

October 13, 2023

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

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

Dear Mr. Myers:

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

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

Actions During Third Quarter 2023

Actions Performed

- Implementation of the Remedial Investigation Work Plan (RIWP) at the Carson Cleaners Site (Figure 1) included the following:
 - From August 8 through 9, 2023, the Third Quarter of groundwater monitoring was completed, including sampling of the newly installed monitoring wells and existing monitoring wells associated with neighboring properties (Figure 2).

- On August 8, 2023, the Third Quarter 2023 indoor air, subslab vapor, and ambient air monitoring was conducted (Figure 3).
- Groundwater potentiometric surface contour figures were developed based on the groundwater elevations measured during Third Quarter 2023 (Figure 4). A groundwater elevation summary is provided in Table 1.

Sampling and Testing Reports

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

- Groundwater monitoring analytical results (Table 2) indicated the following:
 - Tetrachloroethene (PCE) concentrations exceeded the Model Toxics Control Act (MTCA) Method B non-cancer screening level (48 micrograms per liter [$\mu\text{g/L}$]) at four monitoring well locations (CC-MW-01, BP-MW-27, MW-20, and MW-28). PCE concentrations exceeded the MTCA Method B cancer screening level (21 $\mu\text{g/L}$) but was less than the MTCA Method B non-cancer screening level at one monitoring well location (BP-MW-28). PCE concentrations exceeded the MTCA Method A screening level (5 $\mu\text{g/L}$) but was less than the MTCA Method B cancer screening level at two monitoring well locations (BP-MW-8 and MW-25).
 - Trichloroethene (TCE) concentrations exceeded the MTCA Method A screening level (5 $\mu\text{g/L}$) at seven monitoring well locations (CC-MW-01, MW-20, MW-22, MW-23, MW-25, MW-27, and MW-28).
 - Vinyl chloride concentrations exceeded the MTCA Method B noncancer screening level (24 $\mu\text{g/L}$) at two monitoring well locations (MW-23 and MW-25). Vinyl chloride concentrations exceeded the MTCA Method A screening level (0.2 $\mu\text{g/L}$) but was less than the MTCA Method B noncancer screening level at three monitoring well locations (MW-22, MW-27, and MW-28).
 - Cis-1,2-dichloroethene concentrations exceeded the MTCA Method B noncancer screening level (16 $\mu\text{g/L}$) at six monitoring well locations (CC-MW-01, MW-22, MW-23, MW-25, MW-27, and MW-28).
 - Trans-1,2-dichloroethene was detected in seven monitoring well locations but concentrations did not exceed MTCA Method A or B screening levels.
- Indoor and ambient air monitoring analytical results (Table 3) indicated the following:
 - PCE was detected at one location, CC-IA-03B (Carson Cleaners), but did not exceed any MTCA screening levels.

- No other target analytes were detected in any of the indoor or ambient air locations during Second Quarter 2023.
- Subslab vapor monitoring analytical results (Table 4) indicated the following:
 - PCE and TCE were detected one location, CC-SS-03B (Carson Cleaners).
 - No other target analytes were detected in any of the subslab vapor monitoring locations during Second Quarter 2023.
 - As a reminder, subslab vapor sampling was not conducted at Bank of America as access was not granted to penetrate the slab.

Interpolated chlorinated volatile organic compound groundwater analytical results are depicted in Figures 5 through 9. As additional data are available to determine optimized interpolation parameters that best reflect the conceptual site model, the figures will be further revised.

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

Deviations from Approved Work Plans

There were no deviations from approved work plans.

Contacts with Local, State, Federal, or Tribal Representatives

- Ecology was notified a minimum of 7 days in advance of field work, per the AO.

Summary of Problems

Problems Encountered

There were no problems encountered during this reporting period.

Changes in Key Personnel

Jessie Cooper will replace Stephen Strehl as the field lead assigned to this project.

Fourth Quarter 2023 Planned Work

- Implement the RIWP, including the following:
 - Discuss results with Ecology and determine the next steps.
- Anchor QEA, LLC, will share validated data with the neighboring Former Chevron Station Site to begin evaluation of the extent of comingled chlorinated solvent and hydrocarbon plumes from the respective sites.

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

Best regards,

A handwritten signature in black ink, appearing to read 'Halah Voges', with a long horizontal flourish extending to the right.

Halal Voges, PE
Principal Engineer, Anchor QEA, LLC

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

Tables

Table 1
Groundwater Elevation Summary

| Site | Well ID | Deep/Shallow Well | Date | TOC Elevation (NAV88/18) | Measured Depth to GW (feet BTOC) | Groundwater Elevation (NAV88/18) | Measured Total Well Depth (feet BTOC) |
|-----------------|----------|-------------------|-----------|---------------------------|----------------------------------|----------------------------------|---------------------------------------|
| Carson Cleaners | CC-MW-01 | Shallow | 12/5/2022 | 215.83 | 19.21 | 196.62 | 29.20 |
| | | | 2/21/2023 | | 18.43 | 197.40 | 29.23 |
| | | | 6/13/2023 | | 18.70 | 197.13 | 29.23 |
| | | | 8/8/2023 | | 18.80 | 197.03 | 29.23 |
| | CC-MW-2S | Shallow | 12/5/2022 | 223.13 | 26.71 | 196.42 | 35.27 |
| | | | 2/22/2023 | | 25.83 | 197.30 | 35.28 |
| | | | 6/13/2023 | | 26.18 | 196.95 | 35.25 |
| | | | 8/9/2023 | | 26.55 | 196.58 | 35.40 |
| | CC-MW-2D | Deep | 12/5/2022 | 222.94 | 69.10 | 153.84 | 84.50 |
| | | | 2/22/2023 | | 68.75 | 154.19 | 84.51 |
| | | | 6/13/2023 | | 68.88 | 154.06 | 84.51 |
| | | | 8/9/2023 | | 69.05 | 153.89 | 84.48 |
| | CC-MW-03 | Shallow | 12/5/2022 | 212.77 | 17.76 | 195.01 | 29.69 |
| | | | 2/23/2023 | | 17.04 | 195.73 | 29.69 |
| | | | 6/13/2023 | | 16.77 | 196.00 | 29.64 |
| | | | 8/8/2023 | | 17.55 | 195.22 | 29.72 |
| | CC-MW-4D | Deep | 12/5/2022 | 215.31 | 62.37 | 152.94 | 70.80 |
| | | | 2/23/2023 | | 62.25 | 153.06 | 70.80 |
| | | | 6/14/2023 | | 62.25 | 153.06 | 70.84 |
| | | | 8/8/2023 | | 52.32 | 162.99 | 70.71 |
| CC-MW-06 | Shallow | 12/5/2022 | 214.92 | 19.92 | 195.00 | 29.42 | |
| | | 2/23/2023 | | 19.84 | 195.08 | 29.42 | |
| | | 6/12/2023 | | 19.66 | 195.26 | 29.40 | |
| | | 8/9/2023 | | 19.80 | 195.12 | 29.53 | |
| Chevron Site | MW-18 | Shallow | 12/6/2022 | 216.08 | 19.53 | 196.55 | 24.45 |
| | | | 2/21/2023 | | 18.93 | 197.15 | 24.45 |
| | | | 6/12/2023 | | 19.30 | 196.78 | 24.40 |
| | | | 8/9/2023 | | 19.57 | 196.51 | 24.42 |
| | MW-20 | Shallow | 12/6/2022 | 216.01 | 19.46 | 196.55 | 27.61 |
| | | | 2/21/2023 | | 18.74 | 197.27 | 27.61 |
| | | | 6/12/2023 | | 19.05 | 196.96 | 27.60 |
| | | | 8/9/2023 | | 19.32 | 196.69 | 28.00 |
| | MW-22 | Shallow | 12/6/2022 | 213.10 | 17.13 | 195.97 | 25.69 |
| | | | 2/21/2023 | | 17.10 | 196.00 | 25.69 |
| | | | 6/12/2023 | | 17.25 | 195.85 | 25.65 |
| | | | 8/9/2023 | | 17.45 | 195.65 | 26.00 |
| | MW-23 | Shallow | 12/6/2022 | 211.89 | 16.19 | 195.70 | 24.77 |
| | | | 2/21/2023 | | 16.10 | 195.79 | 24.77 |
| | | | 6/12/2023 | | 16.23 | 195.66 | 24.75 |
| | | | 8/9/2023 | | 16.47 | 195.42 | 24.75 |
| | MW-25 | Shallow | 12/7/2022 | 212.98 | 16.86 | 196.12 | 29.91 |
| | | | 2/21/2023 | | 16.71 | 196.27 | 29.91 |
| | | | 6/14/2023 | | 16.90 | 196.08 | 29.90 |
| | | | 8/9/2023 | | 17.10 | 195.88 | 29.90 |
| | MW-27 | Shallow | 12/6/2022 | 214.49 | 18.11 | 196.38 | 23.43 |
| | | | 2/21/2023 | | 17.61 | 196.88 | 23.43 |
| | | | 6/12/2023 | | 17.88 | 196.61 | 23.40 |
| | | | 8/9/2023 | | 18.10 | 196.39 | 23.40 |
| MW-28 | Shallow | 12/6/2022 | 214.54 | 18.15 | 196.39 | 25.07 | |
| | | 2/21/2023 | | 17.61 | 196.93 | 25.07 | |
| | | 6/12/2023 | | 17.91 | 196.63 | 25.05 | |
| | | 8/9/2023 | | 18.21 | 196.33 | 25.20 | |
| BP Site | BP-MW8 | Shallow | 12/5/2022 | 214.17 | 21.00 | 193.17 | 24.29 |
| | | | 2/23/2023 | | 20.23 | 193.94 | 24.29 |
| | | | 6/12/2023 | | 19.38 | 194.79 | 24.24 |
| | | | 8/8/2023 | | 19.36 | 194.81 | 24.30 |
| | BP-MW27 | Shallow | 12/7/2022 | 213.82 | 20.70 | 193.12 | 23.92 |
| | | | 2/23/2023 | | 19.50 | 194.32 | 23.92 |
| | | | 6/13/2023 | | 18.56 | 195.26 | 23.90 |
| | | | 8/9/2023 | | 18.72 | 195.10 | 23.91 |
| | BP-MW28 | Shallow | 12/7/2022 | 214.63 | 20.54 | 194.09 | 24.12 |
| | | | 2/23/2023 | | 19.92 | 194.71 | 24.12 |
| | | | 6/13/2023 | | 19.11 | 195.52 | 24.11 |
| | | | 8/9/2023 | | 19.23 | 195.40 | 24.12 |
| | BP-MW29 | Shallow | 12/7/2022 | 213.10 | NM | NM | NM |
| | | | 2/23/2023 | | 21.83 | 191.27 | 23.95 |
| | | | 6/14/2023 | | 20.34 | 192.76 | 24.00 |
| | | | 8/9/2023 | | 21.16 | 191.94 | 23.80 |

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

Table 2
Groundwater Analytical Results

| | | Property Location | | | Carson Cleaners | | | Carson Cleaners | | | Carson Cleaners | | |
|---------------------------------|---------|-------------------|----------|----------|-----------------|---------------|-------------|-----------------|----------------|-----------|-----------------|-----------|-----------|
| | | Location | | | CC-MW-01 | | | CC-MW-03 | | | CC-MW-06 | | |
| | | Matrix | | | Groundwater | | | Groundwater | | | Groundwater | | |
| | | X | | | 1275477.9 | | | 1275318.1 | | | 1275543.9 | | |
| | | Y | | | 245424.9 | | | 245368.8 | | | 245344.2 | | |
| | | Sample Type | | | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal |
| | | Sample Date | | | 12/5/2022 | 2/21/2023 | 6/13/2023 | 12/5/2022 | 2/23/2023 | 6/13/2023 | 12/5/2022 | 2/23/2023 | 6/12/2023 |
| Chemical | Method | MTCA | | MTCA | | | | | | | | | |
| | | Method A | Method B | Method B | | | | | | | | | |
| | | Noncancer | Cancer | | | | | | | | | | |
| Volatile Organics (µg/L) | | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | 43 J | 1.6 U | 59 | 0.015 U | 0.015 U | 0.020 U | 0.015 U | 0.015 U | 0.033 U |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | 3.5 UJ | 3.5 U | 1.6 U | 0.021 U | 0.021 U | 0.016 U | 0.021 U | 0.021 U | 0.046 U |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | 2800 J | 2100 J | 2300 | 0.023 U | 0.063 J | 0.043 U | 0.023 U | 0.023 U | 0.014 U |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | 190 J | 200 J | 210 | 0.032 U | 0.032 U | 0.030 U | 0.032 U | 0.032 U | 0.0086 U |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | 1.8 UJ | 1.8 U | 1.2 U | 0.017 U | 0.017 U | 0.012 U | 0.017 U | 0.017 U | 0.015 U |

Table 2
Groundwater Analytical Results

| Chemical | Method | Property Location | | | Carson Cleaners | | | Carson Cleaners | | | Carson Cleaners | | |
|---------------------------------|---------|-------------------|-----------|----------|-----------------|-------------|--------------|-----------------|-------------|-------------|-----------------|--------------|-------------|
| | | Method A | Method B | Method B | CC-MW-2D | CC-MW-2S | CC-MW-4D | CC-MW-2D | CC-MW-2S | CC-MW-4D | CC-MW-2D | CC-MW-2S | CC-MW-4D |
| | | MTCA | MTCA | MTCA | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater |
| | | Noncancer | Noncancer | Cancer | 1275417.5 | 1275416.1 | 1275450.1 | 1275417.5 | 1275416.1 | 1275450.1 | 1275417.5 | 1275416.1 | 1275450.1 |
| | | | | | 245488.7 | 245488.9 | 245420.6 | 245488.7 | 245488.9 | 245420.6 | 245488.7 | 245488.9 | 245420.6 |
| | | | | | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal |
| | | | | | 12/5/2022 | 2/23/2023 | 6/13/2023 | 12/5/2022 | 2/23/2023 | 6/13/2023 | 12/5/2022 | 2/23/2023 | 6/14/2023 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Volatile Organics (µg/L) | | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | 0.016 UJ | 0.016 U | 0.020 U | 0.016 UJ | 0.016 U | 0.020 U | 1.2 J | 1.5 | 1.6 |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | 0.035 UJ | 0.035 U | 0.016 U | 0.035 UJ | 0.035 U | 0.016 U | 0.19 J | 0.27 | 0.32 |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | 6.2 J | 1.9 | 2.1 | 0.14 J | 0.14 | 0.23 | 0.38 J | 0.1 J | 0.16 |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | 0.15 J | 0.06 | 0.082 | 0.045 UJ | 0.045 U | 0.030 U | 0.28 J | 0.27 | 0.26 |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | 0.018 UJ | 0.018 U | 0.012 U | 0.018 UJ | 0.018 U | 0.012 U | 0.018 UJ | 0.017 U | 0.012 U |

Table 2
Groundwater Analytical Results

| Chemical | Method | Property Location | | | BP Property | | | BP Property | | | BP Property | | | | |
|---------------------------------|-------------|-------------------|-------------|-------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| | | Method A | Method B | Method B | BP-MW-8 | BP-MW-27 | BP-MW-28 | BP-MW-27 | BP-MW-28 | BP-MW-28 | BP-MW-28 | BP-MW-28 | | | |
| Matrix | Sample Date | MTCA | MTCA | MTCA | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | Groundwater | |
| X | 12/5/2022 | 12/5/2022 | 12/5/2022 | 12/5/2022 | 1275414.0 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | 1275430.7 | |
| Y | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 245363.1 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | 2/23/2023 | |
| Sample Type | Sample Date | Sample Date | Sample Date | Sample Date | Normal | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | |
| Sample Date | 12/5/2022 | 12/5/2022 | 12/5/2022 | 12/5/2022 | 12/5/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | 12/7/2022 | |
| MTCA | MTCA | MTCA | MTCA | MTCA | Normal | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | |
| Method A | Method B | Method B | Method B | Method B | Normal | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | |
| Noncancer | Cancer | Cancer | Cancer | Cancer | Normal | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | |
| Cancer | Cancer | Cancer | Cancer | Cancer | Normal | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | Field Duplicate | |
| Volatile Organics (µg/L) | | | | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | 0.016 UJ | 0.015 U | 0.033 U | 0.015 U | 0.016 UJ | 0.074 | 0.073 | 0.05 | 0.13 | 0.16 | 0.19 |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | 0.035 UJ | 0.021 U | 0.046 U | 0.021 U | 0.021 U | 0.021 U | 0.021 U | 0.016 U | 0.021 U | 0.021 U | 0.016 U |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | 20 J | 18 J | 16 J | 18 | 19 | 48 J | 47 J | 67 | 19 | 25 J | 28 |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | 0.29 J | 0.24 | 0.23 | 0.2 | 0.21 | 0.31 | 0.29 | 0.19 | 0.3 | 0.29 | 0.28 |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | 0.018 UJ | 0.017 U | 0.015 U | 0.024 J | 0.029 J | 0.04 | 0.039 | 0.024 | 0.017 UJ | 0.017 U | 0.012 U |

Table 2
Groundwater Analytical Results

| Chemical | Method | Property Location | | | BP Property | | | Chevron Property | | | | Chevron Property | | |
|---------------------------------|---------|-------------------|-------------|-----------|-------------|-----------|-----------|------------------|-----------|-----------|-----------------|------------------|-----------|-----------|
| | | Location | | | BP-MW-29 | | | MW-18 | | | | MW-20 | | |
| | | Matrix | | | Groundwater | | | Matrix | | | | Matrix | | |
| | | X | | | 1275529.6 | | | 1275536.4 | | | | 1275496.8 | | |
| Y | | | 245288.3 | | | 245474.0 | | | | 245457.4 | | | | |
| | | Sample Type | Sample Date | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Field Duplicate | Normal | Normal | Normal |
| | | Sample Date | Sample Date | 12/7/2022 | 2/23/2023 | 6/12/2023 | 12/6/2022 | 2/21/2023 | 6/12/2023 | 6/12/2023 | 6/12/2023 | 12/6/2022 | 2/21/2023 | 6/12/2023 |
| | | MTCA | MTCA | | | | | | | | | | | |
| | | Method A | Method B | Method B | | | | | | | | | | |
| | | Noncancer | Cancer | | | | | | | | | | | |
| Volatile Organics (µg/L) | | | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | NS | 0.015 U | 0.020 U | 0.015 U | 0.015 UJ | 0.033 U | 0.033 U | 1.1 | 4.4 J | 3.5 |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | NS | 0.021 U | 0.016 U | 0.021 U | 0.021 UJ | 0.046 U | 0.046 U | 0.11 | 0.3 J | 0.28 |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | NS | 0.023 UJ | 0.043 U | 1.4 | 0.023 UJ | 0.86 | 1.6 | 100 | 99 J | 95 |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | NS | 0.032 U | 0.030 U | 0.45 | 0.032 UJ | 0.16 | 0.32 | 5.4 | 14 J | 11 |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | NS | 0.017 U | 0.012 U | 0.017 U | 0.017 UJ | 0.015 U | 0.015 U | 0.017 U | 0.018 U | 0.015 U |

Table 2
Groundwater Analytical Results

| Chemical | Method | Property Location | | | Chevron Property | | | Chevron Property | | | Chevron Property | | |
|---------------------------------|---------|-------------------|-----------|----------|------------------|-------------|-------------|------------------|-------------|-------------|------------------|-------------|-------------|
| | | Method A | Method B | Method B | MW-22 | MW-23 | MW-25 | MW-22 | MW-23 | MW-25 | MW-22 | MW-23 | MW-25 |
| | | MTCA | MTCA | MTCA | Matrix | Matrix | Matrix | Matrix | Matrix | Matrix | Matrix | Matrix | Matrix |
| | | Noncancer | Noncancer | Cancer | X | X | X | X | X | X | X | X | X |
| | | | | | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| | | | | | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type |
| | | | | | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date |
| | | | | | 12/6/2022 | 2/21/2023 | 6/12/2023 | 12/6/2022 | 2/21/2023 | 6/12/2023 | 12/6/2022 | 2/21/2023 | 6/14/2023 |
| | | | | | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal |
| Volatile Organics (µg/L) | | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | 700 | 700 J | 760 | 700 | 380 J | 630 | 310 | 540 J | 350 |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | 12 | 22 J | 28 | 19 | 12 J | 22 | 48 | 100 J | 68 |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | 1.4 | 0.92 J | 0.14 U | 0.47 | 0.98 J | 0.14 U | 45 | 14 J | 17 |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | 410 | 450 J | 500 | 220 | 240 J | 470 | 150 | 120 J | 48 |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | 5.5 J | 9.9 J | 13 | 18 J | 5.1 J | 32 | 6.4 J | 67 J | 66 |

Table 2
Groundwater Analytical Results


| Chemical | Method | Property Location | | | Chevron Property | | | Chevron Property | | |
|---------------------------------|---------|-------------------|-----------|----------|------------------|-------------|-------------|------------------|-------------|-------------|
| | | Method A | Method B | Method B | MW-27 | | | MW-28 | | |
| | | MTCA | MTCA | MTCA | Matrix | Matrix | Matrix | Matrix | Matrix | Matrix |
| | | Noncancer | Noncancer | Cancer | X | X | X | X | X | X |
| | | | | | Y | Y | Y | Y | Y | Y |
| | | | | | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type | Sample Type |
| | | | | | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date | Sample Date |
| | | | | | 12/6/2022 | 2/21/2023 | 6/12/2023 | 12/6/2022 | 2/21/2023 | 6/12/2023 |
| Volatile Organics (µg/L) | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | SW8260D | -- | 16 | -- | 88 | 54 J | 71 | 36 | 150 J | 150 |
| 1,2-Dichloroethene, trans- | SW8260D | -- | 160 | -- | 6.4 | 5 J | 14 | 1.4 | 0.21 UJ | 8.3 |
| Tetrachloroethene (PCE) | SW8260D | 5 | 48 | 21 | 0.21 | 0.079 J | 0.014 U | 2.1 | 250 J | 290 |
| Trichloroethene (TCE) | SW8260D | 5 | 4 | 0.54 | 42 | 7.8 J | 15 | 5.7 | 490 J | 770 |
| Vinyl chloride | SW8260D | 0.2 | 24 | 0.029 | 2 J | 3 J | 5.3 | 0.69 J | 2.3 J | 2.9 |


Table 2
Groundwater Analytical Results


Notes:

USEPA Stage 2B data validation was completed by Laboratory Data Consultants.

All nondetect results are reported at the method detection limit.

 Detected concentration is greater than MTCA Method A screening level

 Detected concentration is greater than MTCA Method B Noncancer screening level

 Detected concentration is greater than MTCA Method B Cancer screening level

Bold: Detected result

Calculated values have been rounded to laboratory-reported significant digits

Italicized : nondetected concentration is above one or more identified screening levels

µg/L: microgram per liter

J: estimated value

MTCA: Model Toxics Control Act

NS: Not Sampled

U: compound analyzed for but not detected above detection limit

UJ: compound analyzed for but not detected above estimated detection limit

USEPA: U.S. Environmental Protection Agency

Table 3
Ambient and Indoor Air Monitoring Analytical Results

| Property Location | | | | Carson Cleaners | | | Episcopal Church | | | Mixed Use Building | | |
|---|--------|--------|------------|-----------------|-----------|-----------|------------------|-----------|-----------|--------------------|-----------|-----------|
| Location | | | | CC-AA-01 | | | CC-IA-01 | | | CC-IA-02 | | |
| Matrix | | | | Ambient Air | | | Indoor Air | | | Indoor Air | | |
| X | | | | -122.314676 | | | -122.3140972 | | | -122.3136028 | | |
| Y | | | | 47.66324732 | | | 47.6629944 | | | 47.6629556 | | |
| Sample Type | | | | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal |
| Sample Date | | | | 12/9/2023 | 2/22/2023 | 6/13/2023 | 12/9/2023 | 2/22/2023 | 6/13/2023 | 12/9/2023 | 2/22/2023 | 6/13/2023 |
| MTCA | | | | | | | | | | | | |
| MTCA Method B | | | | | | | | | | | | |
| Method B Non Cancer | | | | | | | | | | | | |
| Chemical | Method | Cancer | Non Cancer | | | | | | | | | |
| Volatile Organics (µg/m³) | | | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | TO-15 | -- | 18 | 0.036 U | 0.036 U | 0.020 U | 0.036 U | 0.036 U | 0.020 U | 0.036 U | 0.036 U | 0.020 U |
| 1,2-Dichloroethene, trans- | TO-15 | -- | 18 | 0.035 U | 0.035 U | 0.051 U | 0.035 U | 0.035 U | 0.051 U | 0.035 U | 0.035 U | 0.051 U |
| Tetrachloroethene (PCE) | TO-15 | 9.6 | 18 | 0.14 U | 0.14 U | 0.18 U | 0.14 U | 0.14 U | 0.18 U | 0.14 U | 0.14 U | 0.18 U |
| Trichloroethene (TCE) | TO-15 | 0.33 | 0.91 | 0.051 U | 0.051 U | 0.051 U | 0.051 U | 0.051 U | 0.051 U | 0.051 U | 0.051 U | 0.051 U |
| Vinyl chloride | TO-15 | 0.28 | 46 | 0.024 U | 0.024 U | 0.012 U | 0.024 U | 0.024 U | 0.012 U | 0.024 U | 0.024 U | 0.012 U |

Table 3
Ambient and Indoor Air Monitoring Analytical Results


| Property Location | | | | Indoor Air | | | Bank of America | | |
|---|--------|--------|--------|--------------|-----------|------------|-----------------|-------------|-----------|
| Location | | | | CC-IA-03B | | | CC-IA-04 | | |
| Matrix | | | | Indoor Air | | | Indoor Air | | |
| X | | | | -122.3146593 | | | -122.3135833 | | |
| Y | | | | 47.66326392 | | | 47.6632639 | | |
| Sample Type | | | | Normal | Normal | Normal | Normal | Normal | Normal |
| Sample Date | | | | 12/9/2023 | 2/22/2023 | 6/14/2023 | 12/7/2023 | 2/22/2023 | 6/13/2023 |
| MTCA | | | | | | | | | |
| MTCA Method B | | | | | | | | | |
| Method B Non | | | | | | | | | |
| Chemical | Method | Cancer | Cancer | | | | | | |
| Volatile Organics (µg/m³) | | | | | | | | | |
| 1,2-Dichloroethene, cis- | TO-15 | -- | 18 | 0.036 U | 0.036 U | 0.020 U | 0.57 | 0.46 | 0.020 U |
| 1,2-Dichloroethene, trans- | TO-15 | -- | 18 | 0.035 U | 0.035 U | 0.051 U | 0.035 U | 0.035 U | 0.051 U |
| Tetrachloroethene (PCE) | TO-15 | 9.6 | 18 | 0.14 U | 0.14 U | 8.2 | 0.14 U | 0.14 U | 0.18 U |
| Trichloroethene (TCE) | TO-15 | 0.33 | 0.91 | 0.051 U | 0.051 U | 0.051 U | 0.51 | 0.37 | 0.051 U |
| Vinyl chloride | TO-15 | 0.28 | 46 | 0.024 U | 0.024 U | 0.012 U | 0.024 U | 0.024 U | 0.012 U |


Table 3
Ambient and Indoor Air Monitoring Analytical Results

Notes:

All nondetect results are reported at the **method detection limit**.

USEPA Stage 2B data validation was completed by Laboratory Data Consultants.

 : detected concentration is greater than MTCA Method B Cancer screening level

 : detected concentration is greater than MTCA Method B Noncancer screening level

Bold: detected result

$\mu\text{g}/\text{m}^3$: microgram per meters cubed

MTCA: Model Toxics Control Act

U: compound analyzed for but not detected above detection limit

USEPA: U.S. Environmental Protection Agency

Table 4
Subslab Vapor Monitoring Analytical Results

| Property Location | Location | Episcopal Church | | | Mixed Use Building | | | Indoor Air | | |
|---|----------|------------------|-----------|-----------|--------------------|-----------|-----------|----------------|------------|------------|
| | | CC-SS-01 | | | CC-SS-02 | | | CC-SS-03B | | |
| Matrix | | Sub-Slab Vapor | | | Sub-Slab Vapor | | | Sub-Slab Vapor | | |
| X | | -122.3140972 | | | -122.3136028 | | | -122.3146593 | | |
| Y | | 47.6629944 | | | 47.6629556 | | | 47.66326392 | | |
| Sample Type | | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal |
| Sample Date | | 12/9/2023 | 2/22/2023 | 6/13/2023 | 12/9/2023 | 2/22/2023 | 6/13/2023 | 12/9/2023 | 2/22/2023 | 6/14/2023 |
| Chemical | Method | | | | | | | | | |
| Volatile Organics (µg/m³) | | | | | | | | | | |
| 1,2-Dichloroethene, cis- | TO-15 | 0.18 U | 0.18 U | 0.10 U | 2.0 U | 0.18 U | 0.10 U | 0.40 U | 0.27 U | 0.10 U |
| 1,2-Dichloroethene, trans- | TO-15 | 0.17 U | 0.17 U | 0.27 U | 2.0 U | 0.17 U | 0.26 U | 0.38 U | 0.26 U | 0.27 U |
| Tetrachloroethene (PCE) | TO-15 | 0.70 U | 0.69 U | 0.94 U | 7.8 U | 0.69 U | 0.92 U | 1.5 U | 99 | 42 |
| Trichloroethene (TCE) | TO-15 | 0.25 U | 0.25 U | 0.27 U | 2.9 U | 0.25 U | 0.26 U | 0.56 U | 1.5 | 1.7 |
| Vinyl chloride | TO-15 | 0.12 U | 0.12 U | 0.062 U | 1.3 U | 0.12 U | 0.061 U | 0.26 U | 0.18 U | 0.062 U |

Notes:

All nondetect results are reported at the **method detection limit**.

USEPA Stage 2B data validation was completed by Laboratory Data Consultants.

Bold: detected result

µg/m³: microgram per meters cubed


U: compound analyzed for but not detected above detection limit

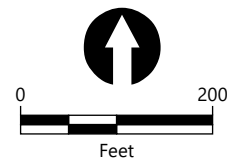
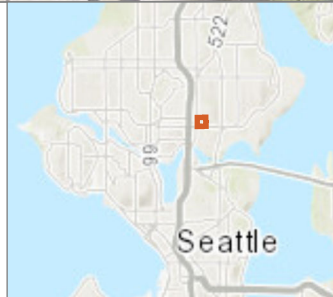
USEPA: U.S. Environmental Protection Agency

Figures



LEGEND:

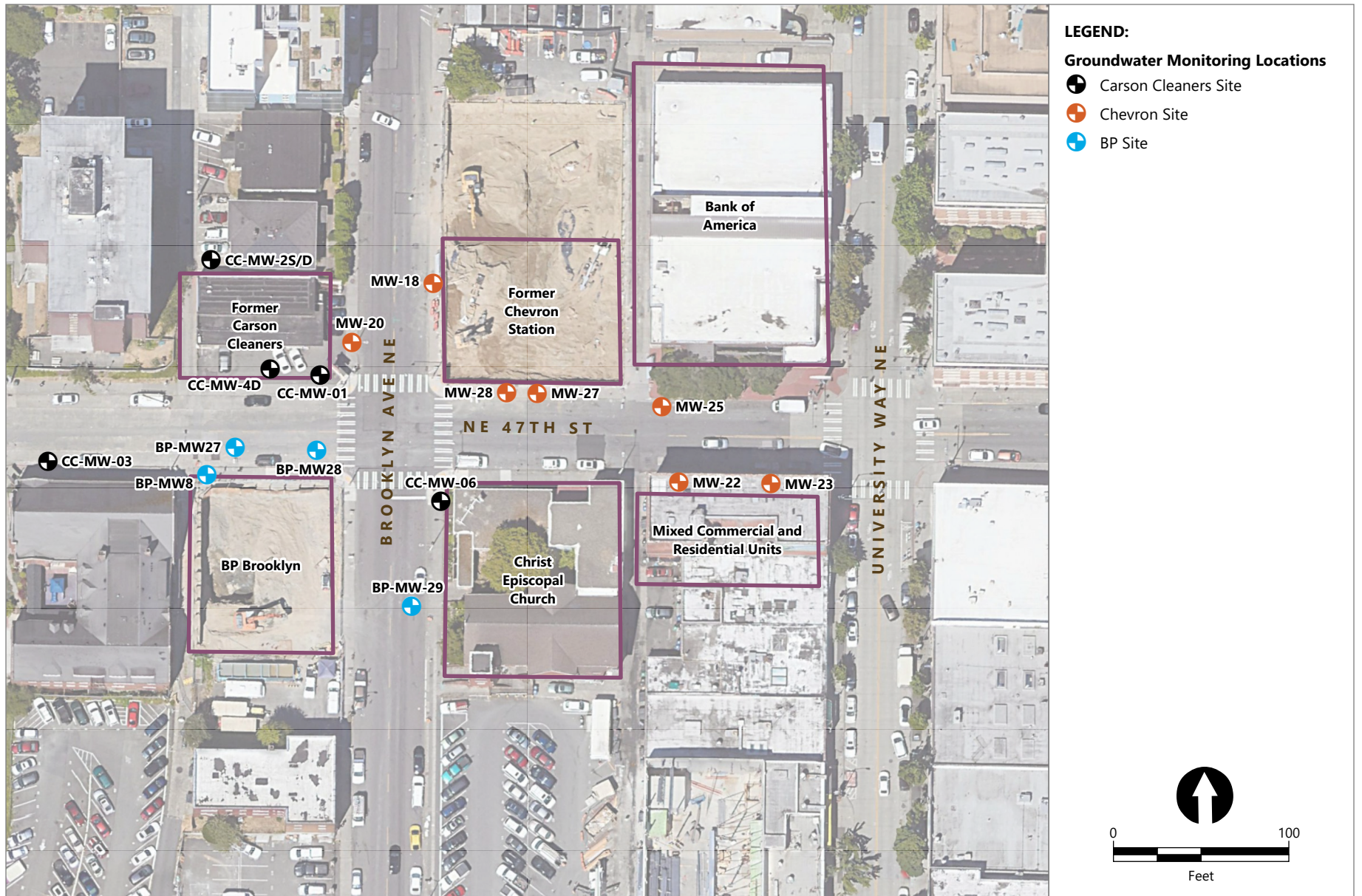
 Former Carson Cleaners Facility



Publish Date: 2023/08/15, 9:29 AM | User: alesueur
 Filepath: \\orcas\gis\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\FormerCarsonCleaners_quarterlyRpts.aprx



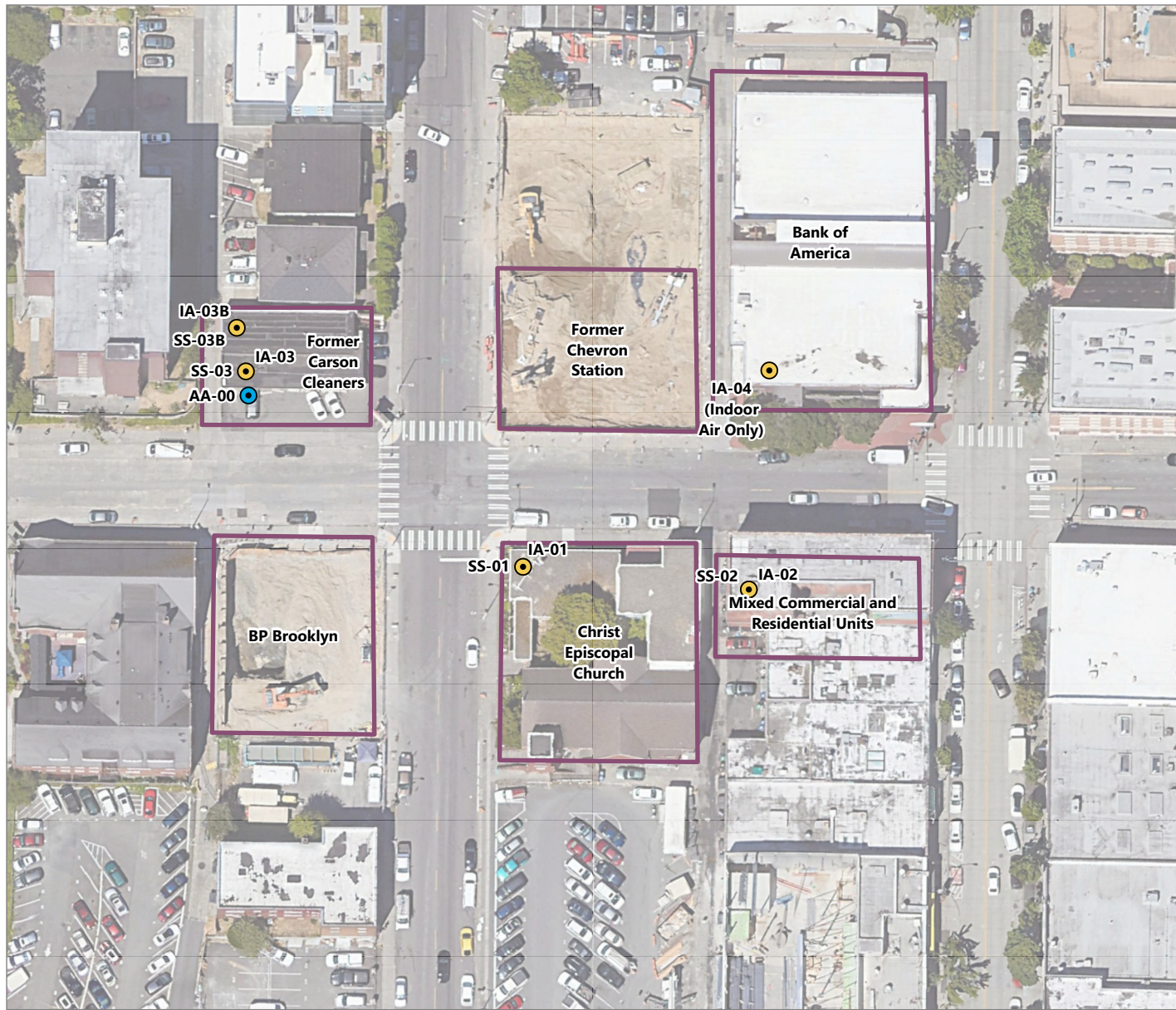
Figure 1
Vicinity Map
 Quarterly Progress Report: Third Quarter 2023
 Carson Cleaners Site



Publish Date: 2023/08/15, 9:30 AM | User: alesueur
 Filepath: \\orcas\gis\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\FormerCarsonCleaners_quarterlyRpts.aprx



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

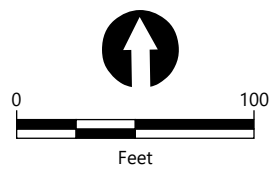


LEGEND:

Vapor Sample Locations:

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

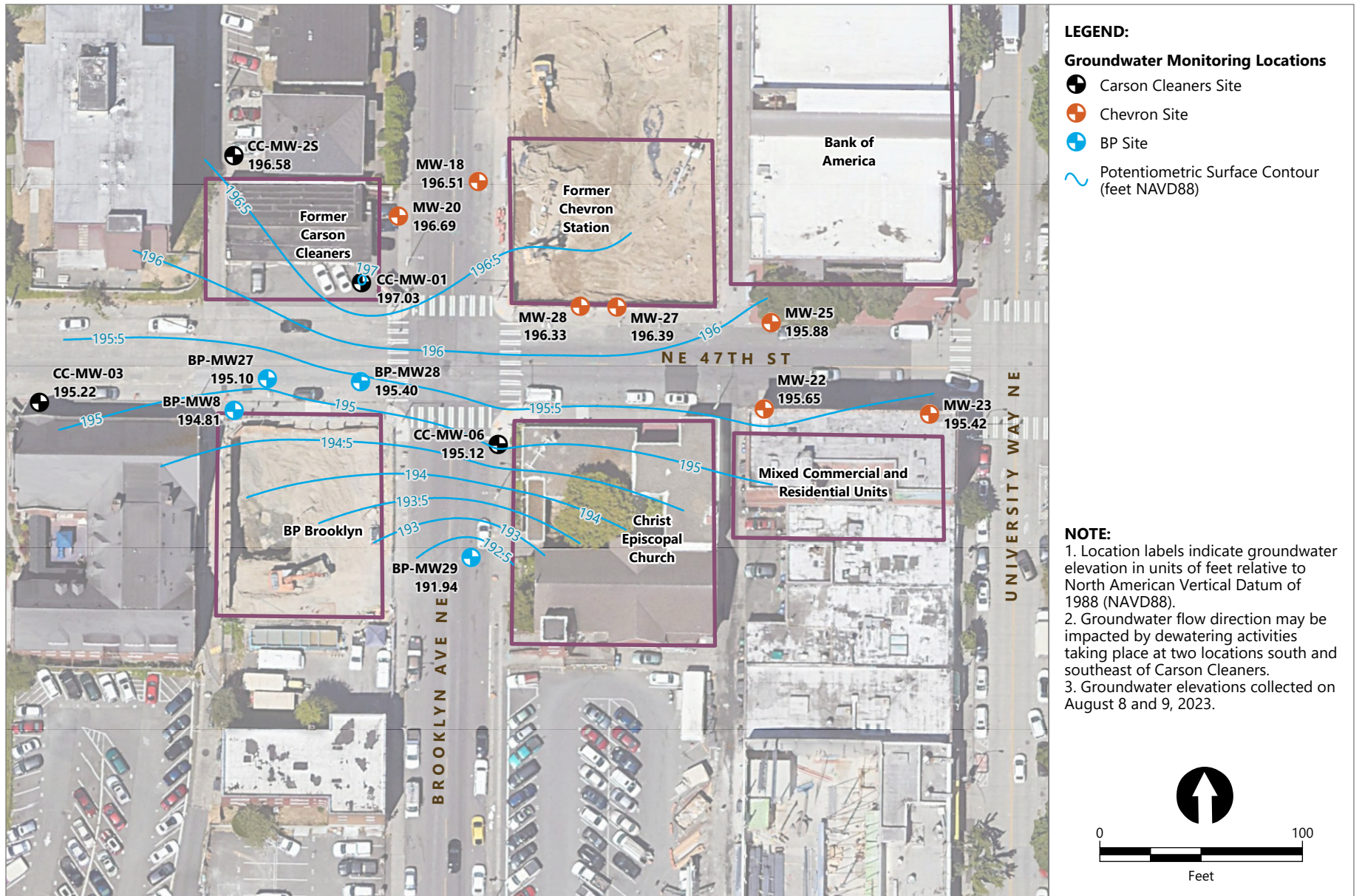
NOTE:
 1. Subslab sample location SS-03 was relocated in First Quarter 2023 to SS-03B.



Publish Date: 2023/08/21, 9:03 AM | User: alesueur
 Filepath: \\orcas\gis\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\FormerCarsonCleaners_quarterlyRpts.aprx



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



Publish Date: 2023/10/05, 10:28 AM | User: cgardner
 Filepath: Q:\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\FormerCarsonCleaners_GW_Elevation_Contours.aprx



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



LEGEND:

- Approximate Site Extent
- Monitoring Well
- Extent of Known Data

Interpolated PCE Concentrations (µg/L)

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

NOTE:

1. Concentrations from second quarter 2023 sampling event
2. MTCA Method A screening level for PCE is 5 µg/L
3. MTCA Method B Noncancer screening level for PCE is 48 µg/L
4. MTCA Method B Cancer screening level for PCE is 21 µg/L
5. Color shading is intended only for visual purposes and is based on the Inverse Distance Weighted data model. Color shading inside the dashed line is interpolated while color shading outside the dashed line is extrapolated based on limited data points.

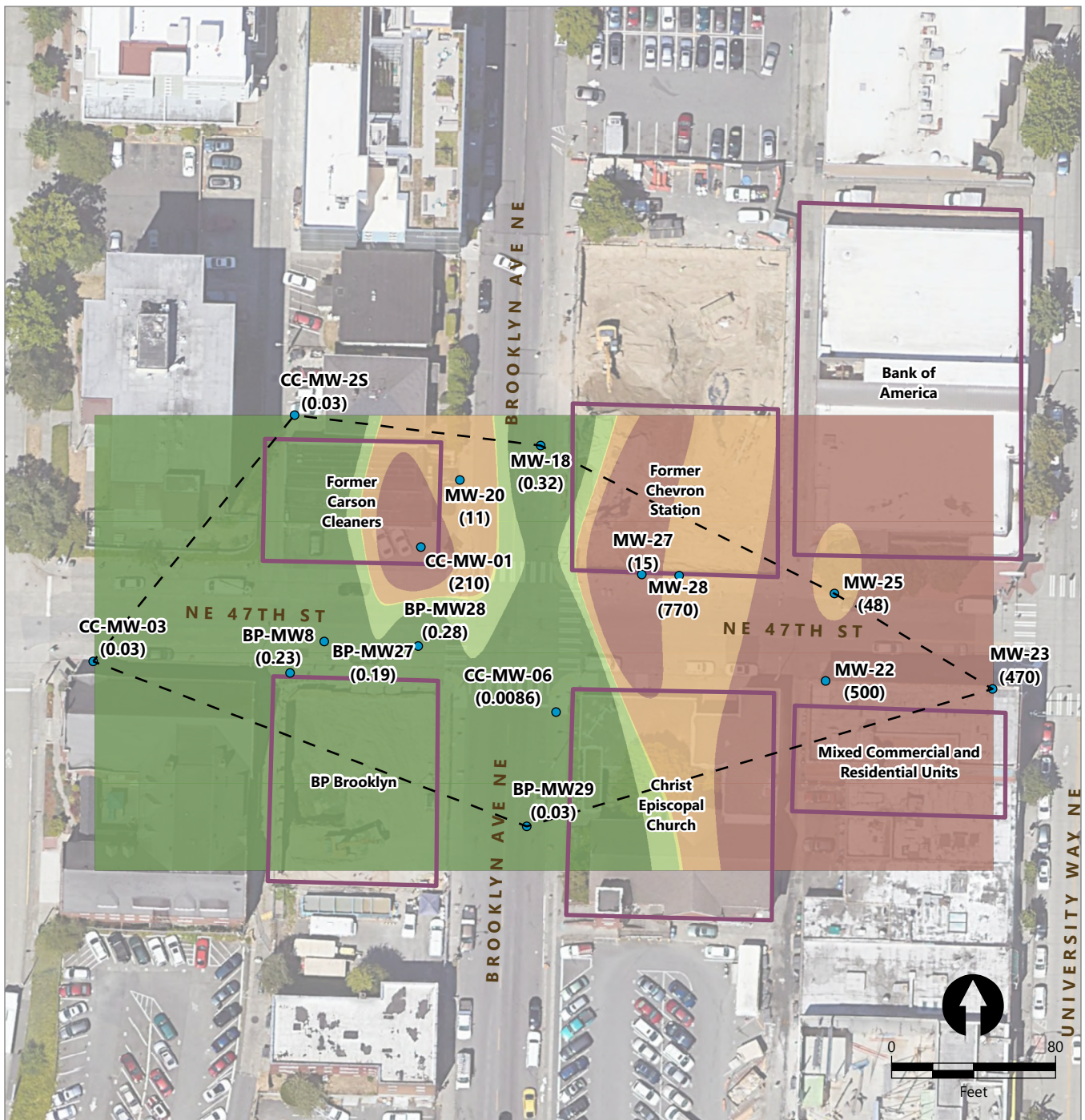
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Filepath: \\orcas\GIS\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\2023\Q3\FormerCarsonCleaners_Fig_5-7_PCE_TCE_VC.aprx



Figure 5
Tetrachloroethene (PCE) Groundwater Isoconcentration

Quarterly Progress Report: Third Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well
- Extent of Known Data

Interpolated Concentrations (ug/L)

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

NOTE:

1. Concentrations from second quarter 2023 sampling event
2. MTCA Method A screening level for TCE is 5 µg/L
3. MTCA Method B Noncancer screening level for TCE is 4 µg/L
4. MTCA Method B Cancer screening level for TCE is 0.54 µg/L
5. Color shading is intended only for visual purposes and is based on the Inverse Distance Weighted data model. Color shading inside the dashed line is interpolated while color shading outside the dashed line is extrapolated based on limited data points.

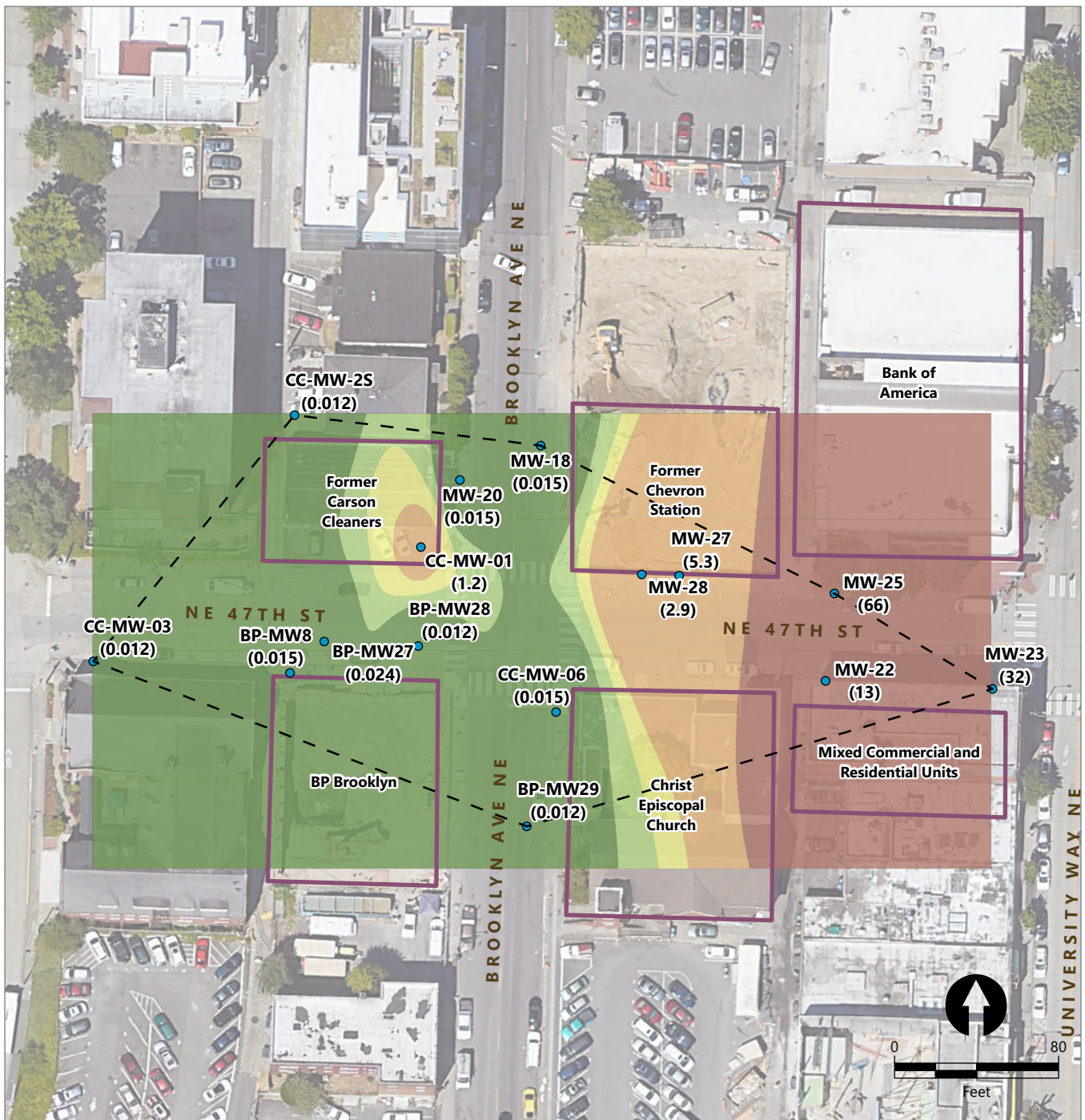
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Figure 6
Trichloroethene (TCE) Groundwater Isoconcentration

Quarterly Progress Report: Third Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well
- Extent of Known Data

Interpolated Concentrations (µg/L)

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

NOTE:

1. Concentrations from second quarter 2023 sampling event
2. MTCA Method A screening level for Vinyl chloride is 0.2 µg/L
3. MTCA Method B Noncancer screening level for Vinyl chloride is 24 µg/L
4. MTCA Method B Cancer screening level for Vinyl chloride is 0.029 µg/L
5. Color shading is intended only for visual purposes and is based on the Inverse Distance Weighted data model. Color shading inside the dashed line is interpolated while color shading outside the dashed line is extrapolated based on limited data points.

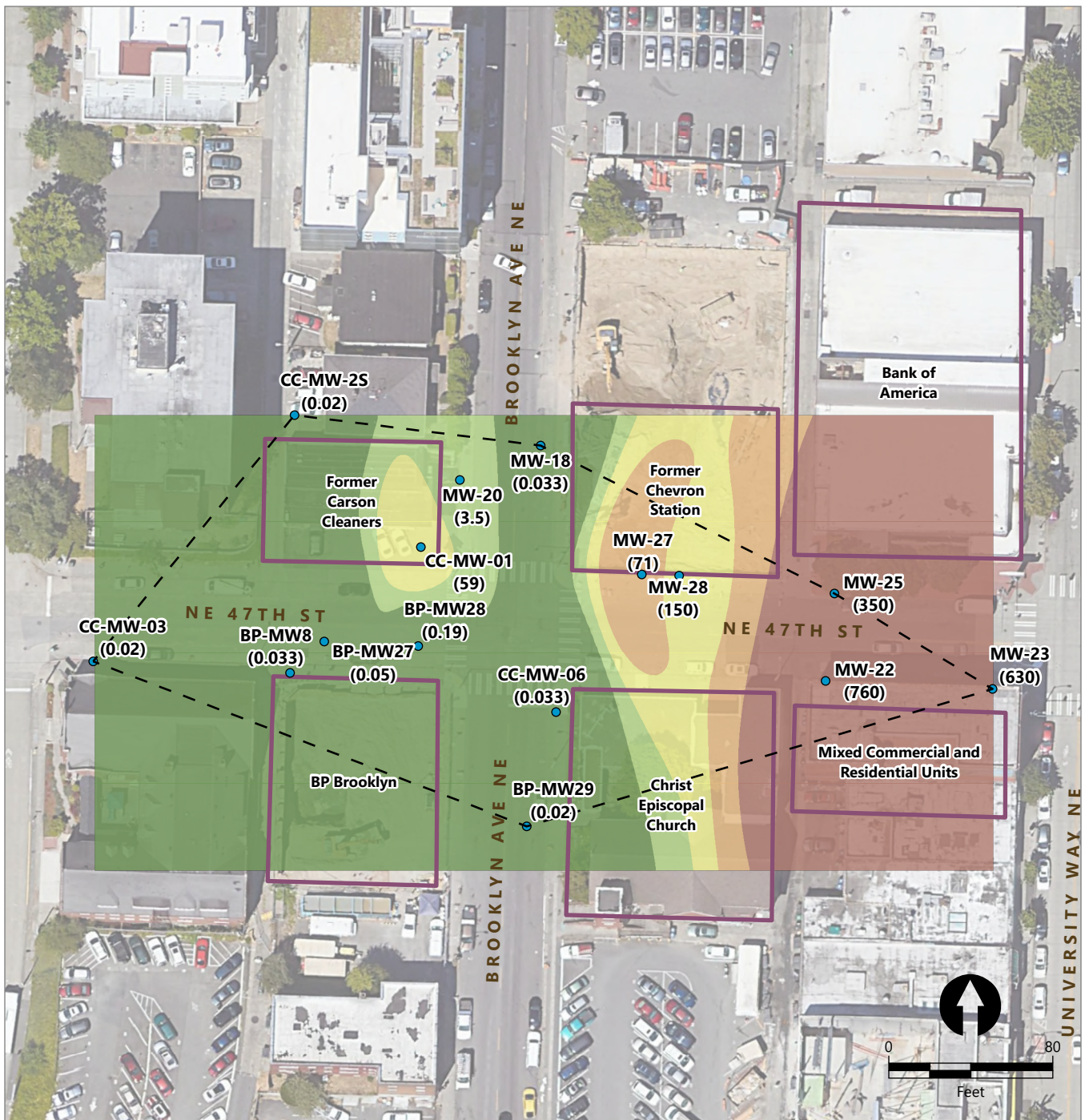
Publish Date: 2023/10/05, 2:40 PM | User: athorvaldsen

Filepath: \\orcas\GIS\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\2023\Q3\FormerCarsonCleaners_Fig_5-7_PCE_TCE_VC.aprx



Figure 7
Vinyl Chloride Groundwater Isoconcentration

Quarterly Progress Report: Third Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well
- Extent of Known Data

Interpolated Concentrations (µg/L)

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

NOTE:

1. Concentrations from second quarter 2023 sampling event
2. MTCA Method B Noncancer screening level for Cis-1,2-dichloroethene is 16 µg/L
3. Color shading is intended only for visual purposes and is based on the Inverse Distance Weighted data model. Color shading inside the dashed line is interpolated while color shading outside the dashed line is extrapolated based on limited data points.

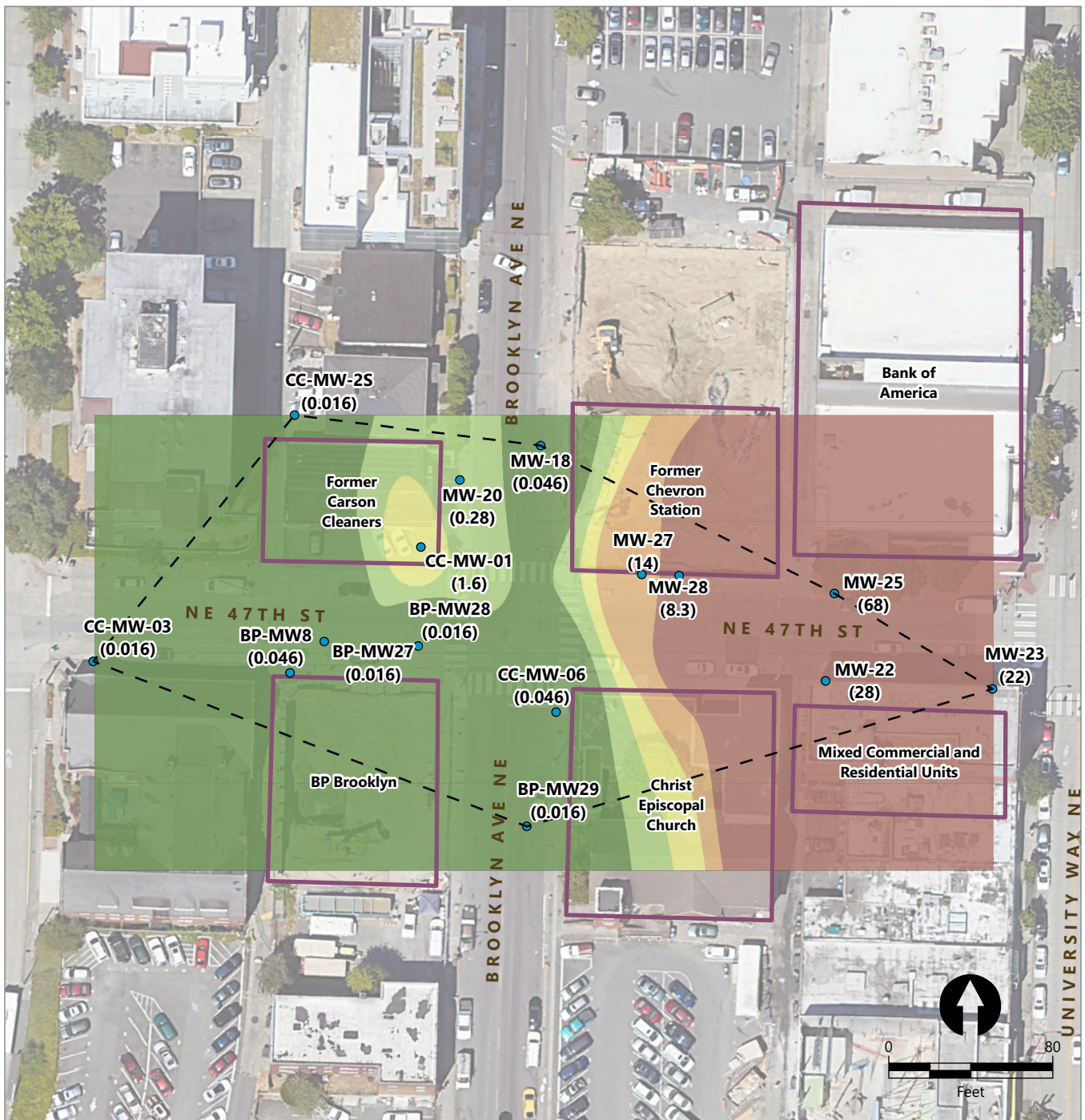
Publish Date: 2023/10/05, 2:39 PM | User: athorvaldsen

Filepath: \\orcas\GIS\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\2023\Q3\FormerCarsonCleaners_Fig_8-9_DCE.aprx



Figure 8
Cis-1,2-dichloroethene Groundwater Isoconcentration

Quarterly Progress Report: First Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well
- Extent of Known Data

Interpolated Concentrations (µg/L)

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

NOTE:

1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method B Noncancer screening level for trans-1,2-dichloroethene is 160 µg/L
3. Color shading inside the dashed line is interpolated while color shading outside the dashed line is extrapolated based on limited data points.

Publish Date: 2023/10/05, 2:40 PM | User: athorvaldsen

Filepath: \\orcas\GIS\Jobs\CascadiaLawGroup_0544\FormerCarsonCleaners\Maps\QuarterlyProgressReports\2023\Q3\FormerCarsonCleaners_Fig_8-9_DCE.aprx



Figure 9
Trans- 1,2-dichloroethene Groundwater Isoconcentration

Quarterly Progress Report: First Quarter 2023
Carson Cleaners Site

Attachment 1

Laboratory Analytical Reports

F&B Project 306191

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

SAMPLE CHAIN OF CUSTODY

06/12/23

WB5

Page # 1 of 1

TURNAROUND TIME
 Standard turnaround
 RUSH
 Rush charges authorized by:

SAMPLE DISPOSAL
 Archive samples
 Other
 Default: Dispose after 30 days

Report To 306191 DENVER WATER MESA RUA
 Company AVCHTR GET
 Address 1201 3RD AVE #2600
 City, State, ZIP SEATTLE, WA 98101
 Phone 206-757-9115 Email LAB DATA ATTACH
AVCHTR GET . COM

| | | |
|--|---------------------------------------|-----------------------------|
| SAMPLERS (signature) <u>Stephen Brown</u> | PROJECT NAME <u>CARSON CEMENTS</u> | PO # <u>212250-01.61</u> |
| REMARKS <u>SEE SAPP</u> | INVOICE TO <u>LAB DATA ATTACH</u> | |
| Project specific RI's? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes | |
|----------------------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|---------------|-------|-------------------------|
| | | | | | | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | |
| Bp-MW-5-GW-20230612 | 01A-F | 6-12-23 | 1400 | H2O | 6 | | | | | | | | | MS/MSO CROSS-SECTION |
| CC-MW-6L-GW-20230612 | 02A-C | | 1350 | H2O | 3 | | | | | X | | | | CHROM WATER |
| FB-20230612 | 03 | | 0800 | H2O | 2 | | | | | X | | | | TOP BUNK |
| MW-20-GW-20230612 | 04 | | 1230 | H2O | 3 | | | | | X | | | | CROSS SECTION |
| MW-15-GW-20230612 | 05 | | 1255 | H2O | 3 | | | | | X | | | | |
| MW-1013-GW-20230612 | 06 | | 1300 | H2O | 3 | | | | | X | | | | |
| MW-28-GW-20230612 | 07 | | 1035 | H2O | 3 | | | | | X | | | | |
| MW-27-GW-20230612 | 08 | | 1100 | H2O | 3 | | | | | X | | | | |
| MW-22-GW-20230612 | 09 | | 1600 | H2O | 3 | | | | | X | | | | |
| MW-23-GW-20230612 | 10 | 6-12-23 | 1600 | H2O | 3 | | | | | X | | | | CROSS SECTION |

| | | | | |
|-------------------------------------|----------------------------------|------------------------------|------------------------|----------------------|
| Relinquished by: <u>[Signature]</u> | PRINT NAME <u>AKHAR AKSAR</u> | COMPANY <u>AVCHTR GET</u> | DATE <u>6-12-23</u> | TIME <u>17:34</u> |
| Received by: <u>[Signature]</u> | <u>JOE MOHAMMED</u> | <u>FBI</u> | <u>06/12/23</u> | <u>17:34</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

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

samples received at 1 °C

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 306191 CLIENT ALQ INITIALS/ DATE: 06/12/23 JM

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

Cooler/Sample temperature _____ °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? YES NO

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

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

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

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

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

| | | | | | |
|--------------|---|-----------------------------|--------------------|---|-----------------------------|
| Sample ID's | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | # of Containers | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Date Sampled | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Relinquished | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Time Sampled | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Requested analysis | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

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

Were appropriate sample containers used? YES NO Unknown

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

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

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

If Yes, number of unused 1L canisters _____
number of unused 6L canisters _____

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

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

Project #: 306191
 Client: Anchor
 QC Batch ID: 03-1112
 Samples checked against COC MD

Date Received: 6/12/23 HT _____
 Date Extracted: JUN 14 '23 10:54
 Date Analyzed: _____ + 6/15
 GCMS 4 11 13, Seq. Date _____

| | | | | |
|---|---|---|--|--|
| Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____ | Requested Analytes: <input type="checkbox"/> 8260 Normal List <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters <input checked="" type="checkbox"/> Historical Data Attached | <input type="checkbox"/> BTEX <input type="checkbox"/> BTEX+N <input type="checkbox"/> Other _____ | Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____ | Extraction Method: <input checked="" type="checkbox"/> 5030 |
| Due Date: <u>6/20</u> | | <input checked="" type="checkbox"/> ve's not Acceptable <input checked="" type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input checked="" type="checkbox"/> Need EDF | | |

| Sample ID | pH Lot: 10D3112 | Sample Volume (mL) | Final Volume (mL) | Dilutions | | Dilution Factor | Foamy Sample | Observations |
|-----------|-----------------|--------------------|-------------------|---------------|-----------------|-----------------|--------------|--------------|
| | | | | Amt. Extract | Amt. Solvent mL | | | |
| 01 | <u>6/2</u> | <u>43</u> | <u>43</u> | | | F.S. | | MS/MD |
| 02 | | | | | | F.S. | | |
| 03 | | | | | | F.S. | | |
| 04 | | | | | | F.S. | | |
| 05 | | | | | | F.S. | | |
| 06 | | | | | | F.S. | | |
| 07 | | | | <u>4.3 mL</u> | | 1/10 | | |
| 08 | | | | | | F.S. | | |
| 09 | | | | <u>4.3 mL</u> | | 1/10 | | |
| 10 | | | | | | 1/10 | | |
| MD | <u>6/14/23</u> | | | | | | | |
| -06 | <u>6/2</u> | | | | | | | |

| | | | | |
|--|-----------|-----------|----------------|-----------|
| Initials | <u>MS</u> | | | |
| | | | | |
| Solvent | ✓ | Volume NA | Conc. (ppm) NA | DI Wa |
| Internal Standard(s)/ Surrogate(s) | Other | 100 µl | 250 | Surrogate |
| 10 ppm Surr/IS Mix spiked 25 ppm Surr/IS Mix spiked at in | | | | |

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

Project Leader Initials: MG
 NOTES: Tier IV
 Calculated by MS 6/16/23 Reviewed by YA 06/16/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 6.14.23 5:00 Technician: MLOD

QA Batch: **03-1112**

Matrix

- Soil
- Water
- Product
- Wipe
- Other _____

Solvent

- Methylene Chloride Solvent
- Acetone Lot # _____
- Methanol
- Hexane
- Other _____

Analysis

- Diesel 8270 SIM PCB
- Gas/BTEX 8270 Organic Lead
- HCID 8260 Methamphetamine
- Other _____

Clean Up: Florsil (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other _____

| Sample ID | pH Waters only | Sample Weight/ Volume | Extraction Solvent Volume | Final Volume | Dilutions | | Clean Up (Circle) | | | Observations |
|-----------|----------------|-----------------------|---------------------------|--------------|--------------|--------------|-------------------|-----------|-----------------------------------|--------------|
| | | | | | Amt. Extract | Amt. Solvent | Silica | FL Filter | Cu H ₂ SO ₄ | |
| MD | | 43 | 43 | | | | | | | |
| LCS | | | | | | | | | | |
| LCSD | | | | | | | | | | |
| MS | | | | | | | | | | 306191-01C |
| MSD | | | | | | | | | | ↓ +B |
| MD | 10/14/23 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Initials _____

Samples in Batch

| | | | | | |
|------------|--|-----|-----------|-----|-------|
| 306174 -02 | | -04 | | -08 | L -02 |
| 306191 -01 | | -05 | | -09 | |
| | | -06 | | -10 | |
| | | -07 | 306227-01 | | |

Date/Initials

Matrix Spikes:

8.6 μL of 50 ppm of 8260 LCS/MS
 Amount Concentration Analytes and Solvent

Lot # 69.76 M 6/14

Matrix Spikes:

_____ μL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Surrogates:

5 μL of 10 ppm of 8260 IS/MS
 Amount Concentration Analytes and Solvent

Lot # 68.199

Internal Standards:

_____ μL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 68-53, 68-93
 Matrix: Water Volume spiked: 17.2 uL (C), 43 uL (C), 8.6 uL (B), 4.3 uL (A)
 Instrument ID: GCMS #11 Date(s) Extracted: 01/04/23, 01/05/23, 01/16/23, 01/17/23, 01/19/23, 01/25/23
 Reporting Units: ug/L Date(s) Analyzed: 01/04/23, 01/05/23, 01/16/23, 01/17/23, 01/19/23, 01/25/23
 Date Calculated: 01/05/23, 01/06/23, 01/17/23, 01/18/23, 01/20/23, 01/26/23
 Calculation Analyst: LM

| Analyte | (StdDev*2.998) | (2*MDL) | (5*MDL) | Std Dev | Mean | Spike Level | % Rec. |
|-----------------------------|----------------|---------|---------|---------|-------|-------------|--------|
| | MDL | PQL | PQL | | | | |
| Ethanol | | | | | | | |
| Dichlorodifluoromethane | 0.055 | 0.110 | 0.275 | 0.018 | 0.175 | 0.200 | 87 |
| Chloromethane | 0.437 | 0.873 | 2.183 | 0.146 | 2.060 | 2.000 | 103 |
| Vinyl chloride | 0.015 | 0.030 | 0.076 | 0.005 | 0.023 | 0.020 | 116 |
| Bromomethane | 0.867 | 1.734 | 4.335 | 0.289 | 2.350 | 2.000 | 117 |
| Chloroethane | 0.043 | 0.086 | 0.216 | 0.014 | 0.232 | 0.200 | 116 |
| Trichlorofluoromethane | 0.087 | 0.174 | 0.436 | 0.029 | 0.214 | 0.200 | 107 |
| 2-Propanol | | | | | | | |
| Acetone | 1.662 | 3.325 | 8.312 | 0.555 | 7.254 | 10.000 | 73 |
| 1,1-Dichloroethene | 0.016 | 0.031 | 0.079 | 0.005 | 0.023 | 0.020 | 113 |
| Hexane | 0.043 | 0.086 | 0.216 | 0.014 | 0.222 | 0.200 | 111 |
| Methylene chloride | 0.329 | 0.658 | 1.646 | 0.110 | 3.106 | 2.000 | 155 |
| t-Butyl alcohol (TBA) | 1.411 | 2.822 | 7.054 | 0.471 | 9.248 | 10.000 | 92 |
| Methyl t-butyl ether (MTBE) | 0.010 | 0.019 | 0.049 | 0.003 | 0.022 | 0.020 | 109 |
| trans-1,2-Dichloroethene | 0.046 | 0.091 | 0.228 | 0.015 | 0.210 | 0.200 | 105 |
| Diisopropyl ether (DIPE) | 0.109 | 0.219 | 0.546 | 0.036 | 0.225 | 0.200 | 112 |
| 1,1-Dichloroethane | 0.010 | 0.020 | 0.049 | 0.003 | 0.023 | 0.020 | 116 |
| Ethyl t-butyl ether (ETBE) | 0.074 | 0.148 | 0.369 | 0.025 | 0.217 | 0.200 | 108 |
| 2,2-Dichloropropane | 0.100 | 0.200 | 0.499 | 0.033 | 0.264 | 0.200 | 132 |
| cis-1,2-Dichloroethene | 0.033 | 0.065 | 0.164 | 0.011 | 0.056 | 0.050 | 112 |
| Chloroform | 0.096 | 0.191 | 0.478 | 0.032 | 0.222 | 0.200 | 111 |
| 2-Butanone (MEK) | 1.366 | 2.733 | 6.832 | 0.456 | 7.171 | 10.000 | 72 |
| t-Amyl methyl ether (TAME) | 0.084 | 0.169 | 0.422 | 0.028 | 0.218 | 0.200 | 109 |
| 1,2-Dichloroethane (EDC) | 0.026 | 0.052 | 0.130 | 0.009 | 0.214 | 0.200 | 107 |
| 1,1,1-Trichloroethane | 0.004 | 0.008 | 0.020 | 0.001 | 0.023 | 0.020 | 113 |
| 1,1-Dichloropropene | 0.075 | 0.151 | 0.377 | 0.025 | 0.219 | 0.200 | 109 |
| Carbon tetrachloride | 0.077 | 0.154 | 0.384 | 0.026 | 0.215 | 0.200 | 107 |
| Benzene | 0.009 | 0.018 | 0.046 | 0.003 | 0.025 | 0.020 | 123 |
| Trichloroethene | 0.009 | 0.017 | 0.043 | 0.003 | 0.025 | 0.020 | 123 |
| 1,2-Dichloropropane | 0.103 | 0.206 | 0.515 | 0.034 | 0.222 | 0.200 | 111 |
| Bromodichloromethane | 0.111 | 0.222 | 0.555 | 0.037 | 0.216 | 0.200 | 108 |
| Dibromomethane | 0.163 | 0.327 | 0.817 | 0.054 | 0.206 | 0.200 | 103 |
| 4-Methyl-2-pentanone | 0.671 | 1.342 | 3.356 | 0.224 | 0.889 | 1.000 | 89 |
| cis-1,3-Dichloropropene | 0.124 | 0.248 | 0.620 | 0.041 | 0.197 | 0.200 | 99 |
| Toluene | 0.016 | 0.033 | 0.082 | 0.005 | 0.032 | 0.020 | 159 |
| trans-1,3-Dichloropropene | 0.080 | 0.159 | 0.398 | 0.027 | 0.204 | 0.200 | 102 |
| 1,1,2-Trichloroethane | 0.037 | 0.075 | 0.186 | 0.012 | 0.210 | 0.200 | 105 |
| 2-Hexanone | 1.374 | 2.748 | 6.869 | 0.458 | 8.005 | 10.000 | 80 |
| 1,3-Dichloropropane | 0.115 | 0.230 | 0.575 | 0.038 | 0.222 | 0.200 | 111 |
| Tetrachloroethene | 0.014 | 0.028 | 0.069 | 0.005 | 0.019 | 0.020 | 94 |
| Dibromochloromethane | 0.081 | 0.162 | 0.405 | 0.027 | 0.223 | 0.200 | 111 |
| 1,2-Dibromoethane (EDB) | 0.005 | 0.010 | 0.025 | 0.002 | 0.024 | 0.020 | 119 |
| Chlorobenzene | 0.077 | 0.154 | 0.386 | 0.026 | 0.205 | 0.200 | 102 |
| Ethylbenzene | 0.009 | 0.018 | 0.044 | 0.003 | 0.026 | 0.020 | 129 |
| 1,1,1,2-Tetrachloroethane | 0.088 | 0.175 | 0.438 | 0.029 | 0.226 | 0.200 | 113 |
| m,p-Xylene | 0.019 | 0.038 | 0.095 | 0.006 | 0.054 | 0.040 | 134 |
| o-Xylene | 0.010 | 0.020 | 0.050 | 0.003 | 0.025 | 0.020 | 124 |
| Styrene | 0.386 | 0.773 | 1.932 | 0.129 | 1.856 | 2.000 | 93 |
| Isopropylbenzene | 0.057 | 0.113 | 0.283 | 0.019 | 0.209 | 0.200 | 104 |
| Bromoform | 0.063 | 0.125 | 0.313 | 0.021 | 0.143 | 0.200 | 72 |
| n-Propylbenzene | 0.045 | 0.091 | 0.227 | 0.015 | 0.214 | 0.200 | 107 |
| Bromobenzene | 0.118 | 0.235 | 0.588 | 0.039 | 0.210 | 0.200 | 105 |
| 1,3,5-Trimethylbenzene | 0.083 | 0.166 | 0.416 | 0.028 | 0.202 | 0.200 | 101 |
| 1,1,1,2-Tetrachloroethane | 0.069 | 0.138 | 0.346 | 0.023 | 0.227 | 0.200 | 113 |
| 1,2,3-Trichloropropane | 0.010 | 0.020 | 0.050 | 0.003 | 0.061 | 0.050 | 122 |
| 2-Chlorotoluene | 0.065 | 0.130 | 0.326 | 0.022 | 0.215 | 0.200 | 108 |
| 4-Chlorotoluene | 0.050 | 0.101 | 0.252 | 0.017 | 0.195 | 0.200 | 97 |
| tert-Butylbenzene | 0.066 | 0.132 | 0.330 | 0.022 | 0.209 | 0.200 | 105 |
| 1,2,4-Trimethylbenzene | 0.050 | 0.101 | 0.252 | 0.017 | 0.211 | 0.200 | 106 |
| sec-Butylbenzene | 0.043 | 0.086 | 0.215 | 0.014 | 0.203 | 0.200 | 101 |
| p-Isopropyltoluene | 0.048 | 0.095 | 0.238 | 0.016 | 0.203 | 0.200 | 101 |
| 1,3-Dichlorobenzene | 0.053 | 0.106 | 0.264 | 0.018 | 0.210 | 0.200 | 105 |
| 1,4-Dichlorobenzene | 0.076 | 0.153 | 0.381 | 0.025 | 0.214 | 0.200 | 107 |
| 1,2-Dichlorobenzene | 0.029 | 0.057 | 0.143 | 0.010 | 0.219 | 0.200 | 110 |
| 1,2-Dibromo-3-chloropropane | 0.327 | 0.655 | 1.637 | 0.109 | 1.926 | 2.000 | 96 |
| 1,2,4-Trichlorobenzene | 0.078 | 0.156 | 0.391 | 0.026 | 0.232 | 0.200 | 116 |
| Hexachlorobutadiene | 0.098 | 0.196 | 0.489 | 0.033 | 0.216 | 0.200 | 108 |
| Naphthalene | 0.065 | 0.130 | 0.326 | 0.022 | 0.209 | 0.200 | 105 |
| 1,2,3-Trichlorobenzene | 0.237 | 0.473 | 1.183 | 0.079 | 1.997 | 2.000 | 100 |

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS11\sequence\05-09-23.sequence.xml

Comment:

Operator:

AWB 5/10

Data Path: D:\GCMS11\GCMS11_Data\05-09-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

| Line | Type | ALS | File | Method | Sample Name/Misc Info |
|------|--------|-----|--------|----------|---------------------------|
| 1) | Sample | 100 | 050901 | VM042423 | rinse |
| 2) | Sample | 100 | 050902 | VM042423 | rinse |
| 3) | Sample | 1 | 050903 | VM042423 | 0.02 ppb test |
| 4) | Sample | 100 | 050904 | VM042423 | 50 ng BFB 69-21a |
| 5) | Sample | 100 | 050905 | VM042423 | rinse |
| 6) | Sample | 100 | 050906 | VM042423 | rinse |
| 7) | Sample | 100 | 050907 | VM042423 | rinse |
| 8) | Sample | 100 | 050908 | VM042423 | rinse |
| 9) | Sample | 100 | 050909 | VM042423 | rinse |
| 10) | Sample | 2 | 050910 | VM042423 | 0.02 ppb 8260 ICAL 69-40F |
| 11) | Sample | 3 | 050911 | VM042423 | 0.04 ppb 8260 ICAL 69-40G |
| 12) | Sample | 4 | 050912 | VM042423 | 0.1 ppb 8260 ICAL 69-40H |
| 13) | Sample | 5 | 050913 | VM042423 | 0.2 ppb 8260 ICAL 69-40I |
| 14) | Sample | 6 | 050914 | VM042423 | 0.5 ppb 8260 ICAL 69-40J |
| 15) | Sample | 7 | 050915 | VM042423 | 1 ppb 8260 ICAL 69-40K |
| 16) | Sample | 8 | 050916 | VM042423 | 2 ppb 8260 ICAL 69-40L |
| 17) | Sample | 9 | 050917 | VM042423 | 5 ppb 8260 ICAL 69-40M |
| 18) | Sample | 10 | 050918 | VM042423 | 10 ppb 8260 ICAL 69-40N |
| 19) | Sample | 11 | 050919 | VM042423 | 20 ppb 8260 ICAL 69-40O |
| 20) | Sample | 12 | 050920 | VM042423 | 50 ppb 8260 ICAL 69-40Q |
| 21) | Sample | 13 | 050921 | VM042423 | 100 ppb 8260 ICAL 69-40S |
| 22) | Sample | 14 | 050922 | VM042423 | 150 ppb 8260 ICAL 69-40T |
| 23) | Sample | 15 | 050923 | VM042423 | 200 ppb 8260 ICAL 69-40U |
| 24) | Sample | 16 | 050924 | VM042423 | rinse vial |
| 25) | Sample | 17 | 050925 | VM042423 | 10 ppb 8260 SCV 69-33c |
| 26) | Sample | 100 | 050926 | VM042423 | rinse |
| 27) | Sample | 100 | 050927 | VM042423 | rinse |
| 28) | Sample | 100 | 050928 | VM042423 | rinse |
| 29) | Sample | 100 | 050929 | VM042423 | rinse |
| 30) | Sample | 100 | 050930 | VM042423 | rinse |

Injection Log

Data Directory: Y:\Proc_GCMS11\05-09-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|---|-----------------------------|------|------------|----------------------|
| 1) 050901.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 12:01 pm |
| 2) 050902.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 01:19 pm |
| 3) 050903.D 0.02 ppb test | VM042423.M | 1 | 1.000 | 09 May 2023 01:51 pm |
| 4) 050904.D 50 ng BFB 67-152a | VM042423.M direct inject | 100 | 1.000 | 09 May 2023 02:17 pm |
| 5) 050905.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 02:54 pm |
| 6) 050906.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 03:17 pm |
| 7) 050907.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 03:39 pm |
| 8) 050908.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 04:01 pm |
| 9) 050909.D rinse | VM042423.M | 100 | 1.000 | 09 May 2023 04:23 pm |
| 10) 050910.D 0.02 ppb 8260 ICAL.. soil/water | VM042423.M | 2 | 1.000 | 09 May 2023 04:46 pm |
| 11) 050911.D 0.04 ppb 8260 ICAL.. soil/water | VM042423.M | 3 | 1.000 | 09 May 2023 05:08 pm |
| 12) 050912.D 0.1 ppb 8260 ICAL .. soil/water | VM042423.M | 4 | 1.000 | 09 May 2023 05:31 pm |
| 13) 050913.D 0.2 ppb 8260 ICAL .. soil/water | VM042423.M | 5 | 1.000 | 09 May 2023 05:53 pm |
| 14) 050914.D 0.5 ppb 8260 ICAL .. soil/water | VM042423.M | 6 | 1.000 | 09 May 2023 06:16 pm |
| 15) 050915.D 1 ppb 8260 ICAL 69.. soil/water | VM042423.M | 7 | 1.000 | 09 May 2023 06:39 pm |
| 16) 050916.D 2 ppb 8260 ICAL 69.. soil/water | VM042423.M | 8 | 1.000 | 09 May 2023 07:01 pm |
| 17) 050917.D 5 ppb 8260 ICAL 69.. soil/water | VM042423.M | 9 | 1.000 | 09 May 2023 07:24 pm |
| 18) 050918.D 10 ppb 8260 ICAL 6.. soil/water | VM042423.M | 10 | 1.000 | 09 May 2023 07:46 pm |
| 19) 050919.D 20 ppb 8260 ICAL 6.. soil/water | VM042423.M | 11 | 1.000 | 09 May 2023 08:09 pm |
| 20) 050920.D 50 ppb 8260 ICAL 6.. soil/water | VM042423.M | 12 | 1.000 | 09 May 2023 08:31 pm |
| 21) 050921.D | VM042423.M | | | |

| | | | | |
|---------------------------------|-----|-------|-------------|----------|
| 100 ppb 8260 ICAL .. soil/water | 13 | 1.000 | 09 May 2023 | 08:54 pm |
| 22) 050922.D VM042423.M | | | | |
| 150 ppb 8260 ICAL .. soil/water | 14 | 1.000 | 09 May 2023 | 09:16 pm |
| 23) 050923.D VM042423.M | | | | |
| 200 ppb 8260 ICAL .. soil/water | 15 | 1.000 | 09 May 2023 | 09:39 pm |
| 24) 050924.D VM042423.M | | | | |
| rinse vial soil/water | 16 | 1.000 | 09 May 2023 | 10:01 pm |
| 25) 050925.D VM042423.M | | | | |
| 10 ppb 8260 SCV 69.. soil/water | 17 | 1.000 | 09 May 2023 | 10:24 pm |
| 26) 050926.D VM042423.M | | | | |
| rinse | 100 | 1.000 | 09 May 2023 | 10:46 pm |
| 27) 050927.D VM042423.M | | | | |
| rinse | 100 | 1.000 | 09 May 2023 | 11:08 pm |
| 28) 050928.D VM042423.M | | | | |
| rinse | 100 | 1.000 | 09 May 2023 | 11:30 pm |
| 29) 050929.D VM042423.M | | | | |
| rinse | 100 | 1.000 | 09 May 2023 | 11:53 pm |
| 30) 050930.D VM042423.M | | | | |
| rinse | 100 | 1.000 | 10 May 2023 | 12:15 am |

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\06-14-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

LM 6/15

Line Type ALS File Method Sample Name/Misc Info

| | | | | | |
|-----|--------|-----|--------|----------|--------------------------------|
| 1) | Sample | 100 | 061401 | VM042423 | rinse |
| 2) | Sample | 100 | 061402 | VM042423 | rinse |
| 3) | Sample | 1 | 061403 | VM042423 | 10 ppb 8260 CCV 69-58N |
| 4) | Sample | 2 | 061404 | VM042423 | 03-1112 lcs |
| 5) | Sample | 3 | 061405 | VM042423 | 03-1112 lcsd |
| 6) | Sample | 100 | 061406 | VM042423 | rinse |
| 7) | Sample | 4 | 061407 | VM042423 | 03-1112 mb |
| 8) | Sample | 5 | 061408 | VM042423 | 03-1300 mb 1/0.5 |
| 9) | Sample | 6 | 061409 | VM042423 | 306057-22 1/0.5 |
| 10) | Sample | 7 | 061410 | VM042423 | 306057-23 1/0.5 |
| 11) | Sample | 8 | 061411 | VM042423 | 306191-06 1/200 |
| 12) | Sample | 9 | 061412 | VM042423 | 306191-03 |
| 13) | Sample | 10 | 061413 | VM042423 | 306174-02 |
| 14) | Sample | 11 | 061414 | VM042423 | 306227-01 |
| 15) | Sample | 12 | 061415 | VM042423 | 306227-02 |
| 16) | Sample | 13 | 061416 | VM042423 | 306191-01 |
| 17) | Sample | 14 | 061417 | VM042423 | 306191-01 ms |
| 18) | Sample | 15 | 061418 | VM042423 | 306191-01 msd |
| 19) | Sample | 16 | 061419 | VM042423 | 306191-01 ms rr msd |
| 20) | Sample | 17 | 061420 | VM042423 | 306191-01 msd rr ms |
| 21) | Sample | 18 | 061421 | VM042423 | 10 ppb 8260 CCV 69-113N |
| 22) | Pause | | | | |
| 23) | Sample | 100 | 061422 | VM042423 | rinse |
| 24) | Sample | 100 | 061423 | VM042423 | rinse |
| 25) | Sample | 19 | 061424 | VM042423 | 306191-02 |
| 26) | Sample | 20 | 061425 | VM042423 | 306191-05 |
| 27) | Sample | 21 | 061426 | VM042423 | 306191-08 |
| 28) | Sample | 22 | 061427 | VM042423 | 306191-07 1/10 |
| 29) | Sample | 100 | 061428 | VM042423 | rinse |
| 30) | Sample | 23 | 061429 | VM042423 | 306191-10 1/10 |
| 31) | Sample | 24 | 061430 | VM042423 | 306191-09 1/10 |
| 32) | Sample | 100 | 061431 | VM042423 | rinse |
| 33) | Sample | 25 | 061432 | VM042423 | 306191-04 |
| 34) | Sample | 26 | 061433 | VM042423 | 306191-06 did not run |

inlet pressure shot down

Sequence Name: D:\GCMS11\sequence\06-14-23:sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\06-14-23\
msb/ky

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

| Line Type | ALS | File | Method | Sample Name/Misc Info |
|-----------|-----|--------|----------|------------------------|
| 1) Sample | 100 | 061401 | VM042423 | rinse |
| 2) Sample | 100 | 061402 | VM042423 | rinse |
| 3) Sample | 1 | 061403 | VM042423 | 10 ppb 8260 CCV 69-58N |
| 4) Sample | 2 | 061404 | VM042423 | 03-1112 lcs |
| 5) Sample | 3 | 061405 | VM042423 | 03-1112 lcsd |
| 6) Sample | 100 | 061406 | VM042423 | rinse |
| 7) Sample | 4 | 061407 | VM042423 | 03-1112 mb |
| 8) Sample | 5 | 061408 | VM042423 | 03-1300 mb 1/0.5 |

Injection Log

Data Directory: Y:\Proc_GCMS11\06-14-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|---|-----------------------|------|------------|----------------------|
| 1) 061401.D rinse | VM042423.M | 100 | 1.000 | 14 Jun 2023 06:28 am |
| 2) 061402.D rinse | VM042423.M | 100 | 1.000 | 14 Jun 2023 06:50 am |
| 3) 061403.D 10 ppb 8260 CCV 69.. | soil/water VM042423.M | 1 | 1.000 | 14 Jun 2023 07:12 am |
| 4) 061404.D 03-1112 lcs | water VM042423.M | 2 | 1.000 | 14 Jun 2023 07:35 am |
| 5) 061405.D 03-1112 lcsd | water VM042423.M | 3 | 1.000 | 14 Jun 2023 07:57 am |
| 6) 061406.D rinse | soil/water VM042423.M | 100 | 1.000 | 14 Jun 2023 08:20 am |
| 7) 061407.D 03-1112 mb | water VM042423.M | 4 | 1.000 | 14 Jun 2023 08:42 am |
| 8) 061408.D 03-1300 mb 1/0.5 | soil VM042423.M | 5 | 1.000 | 14 Jun 2023 09:04 am |
| 9) 061409.D 306057-22 1/0.5 | soil VM042423.M | 6 | 1.000 | 14 Jun 2023 09:40 am |
| 10) 061410.D 306057-23 1/0.5 | soil VM042423.M | 7 | 1.000 | 14 Jun 2023 10:02 am |
| 11) 061411.D 306191-06 1/200 | water VM042423.M | 8 | 1.000 | 14 Jun 2023 10:25 am |
| 12) 061412.D 306191-03 | water VM042423.M | 9 | 1.000 | 14 Jun 2023 11:27 am |
| 13) 061413.D 306174-02 | water VM042423.M | 10 | 1.000 | 14 Jun 2023 11:49 am |
| 14) 061414.D 306227-01 | water VM042423.M | 11 | 1.000 | 14 Jun 2023 12:12 pm |
| 15) 061415.D 306227-02 | water VM042423.M | 12 | 1.000 | 14 Jun 2023 12:34 pm |
| 16) 061416.D 306191-01 | water VM042423.M | 13 | 1.000 | 14 Jun 2023 12:57 pm |
| 17) 061417.D 306191-01 ms | water VM042423.M | 14 | 1.000 | 14 Jun 2023 01:20 pm |
| 18) 061418.D 306191-01 msd | water VM042423.M | 15 | 1.000 | 14 Jun 2023 01:42 pm |
| 19) 061419.D 306191-01 ms <i>MSD rr</i> | water VM042423.M | 16 | 1.000 | 14 Jun 2023 02:07 pm |
| 20) 061420.D 306191-01 msd <i>rr</i> | water VM042423.M | 17 | 1.000 | 14 Jun 2023 02:30 pm |

Injection Log

Data Directory: Y:\Proc_GCMS11\06-14-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|--|------------|------|------------|----------------------|
| 1) 061433.D No data found | VM042423.M | | 0.000 | N/A |
| 2) 061401.D rinse | VM042423.M | 100 | 1.000 | 14 Jun 2023 06:28 am |
| 3) 061402.D rinse | VM042423.M | 100 | 1.000 | 14 Jun 2023 06:50 am |
| 4) 061403.D 10 ppb 8260 CCV 69.. soil/water | VM042423.M | 1 | 1.000 | 14 Jun 2023 07:12 am |
| 5) 061404.D 03-1112 lcs water | VM042423.M | 2 | 1.000 | 14 Jun 2023 07:35 am |
| 6) 061405.D 03-1112 lcsd water | VM042423.M | 3 | 1.000 | 14 Jun 2023 07:57 am |
| 7) 061406.D rinse soil/water | VM042423.M | 100 | 1.000 | 14 Jun 2023 08:20 am |
| 8) 061407.D 03-1112 mb water | VM042423.M | 4 | 1.000 | 14 Jun 2023 08:42 am |
| 9) 061408.D 03-1300 mb 1/0.5 soil | VM042423.M | 5 | 1.000 | 14 Jun 2023 09:04 am |
| 10) 061409.D 306057-22 1/0.5 soil | VM042423.M | 6 | 1.000 | 14 Jun 2023 09:40 am |
| 11) 061410.D 306057-23 1/0.5 soil | VM042423.M | 7 | 1.000 | 14 Jun 2023 10:02 am |
| 12) 061411.D 306191-06 1/200 water | VM042423.M | 8 | 1.000 | 14 Jun 2023 10:25 am |
| 13) 061412.D 306191-03 water | VM042423.M | 9 | 1.000 | 14 Jun 2023 11:27 am |
| 14) 061413.D 306174-02 water | VM042423.M | 10 | 1.000 | 14 Jun 2023 11:49 am |
| 15) 061414.D 306227-01 water | VM042423.M | 11 | 1.000 | 14 Jun 2023 12:12 pm |
| 16) 061415.D 306227-02 water | VM042423.M | 12 | 1.000 | 14 Jun 2023 12:34 pm |
| 17) 061416.D 306191-01 water | VM042423.M | 13 | 1.000 | 14 Jun 2023 12:57 pm |
| 18) 061417.D 306191-01 ms water | VM042423.M | 14 | 1.000 | 14 Jun 2023 01:20 pm |
| 19) 061418.D 306191-01 msd water | VM042423.M | 15 | 1.000 | 14 Jun 2023 01:42 pm |
| 20) 061419.D 306191-01 msd rr water | VM042423.M | 16 | 1.000 | 14 Jun 2023 02:07 pm |
| 21) 061420.D | VM042423.M | | | |

| | | | | | | |
|----------------------|-------|------------|-----|-------|-------------|----------|
| 306191-01 ms rr | water | VM042423.M | 17 | 1.000 | 14 Jun 2023 | 02:30 pm |
| 22) 061421.D | | VM042423.M | | | | |
| 10 ppb 8260 CCV 69.. | water | | 18 | 1.000 | 14 Jun 2023 | 02:53 pm |
| 23) 061422.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 14 Jun 2023 | 03:24 pm |
| 24) 061423.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 14 Jun 2023 | 03:46 pm |
| 25) 061424.D | | VM042423.M | | | | |
| 306191-02 | water | | 19 | 1.000 | 14 Jun 2023 | 04:09 pm |
| 26) 061425.D | | VM042423.M | | | | |
| 306191-05 | water | | 20 | 1.000 | 14 Jun 2023 | 04:31 pm |
| 27) 061426.D | | VM042423.M | | | | |
| 306191-08 | water | | 21 | 1.000 | 14 Jun 2023 | 04:54 pm |
| 28) 061427.D | | VM042423.M | | | | |
| 306191-07 1/10 | water | | 22 | 1.000 | 14 Jun 2023 | 05:16 pm |
| 29) 061428.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 14 Jun 2023 | 05:39 pm |
| 30) 061429.D | | VM042423.M | | | | |
| 306191-10 1/10 | water | | 23 | 1.000 | 14 Jun 2023 | 06:01 pm |
| 31) 061430.D | | VM042423.M | | | | |
| 306191-09 1/10 | water | | 24 | 1.000 | 14 Jun 2023 | 06:24 pm |
| 32) 061431.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 14 Jun 2023 | 06:46 pm |
| 33) 061432.D | | VM042423.M | | | | |
| 306191-04 | water | | 25 | 1.000 | 14 Jun 2023 | 07:09 pm |

Sequence Name: D:\GCMS11\sequence\06-15-23.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\06-15-23\

Amplified

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

| Line Type | ALS | File | Method | Sample Name/Misc Info |
|------------|-----|--------|----------|-------------------------|
| 1) Sample | 100 | 061501 | VM042423 | rinse |
| 2) Sample | 100 | 061502 | VM042423 | rinse |
| 3) Sample | 1 | 061503 | VM042423 | 10 ppb 8260 CCV 69-113N |
| 4) Sample | 2 | 061504 | VM042423 | 03-1440 lcs |
| 5) Sample | 3 | 061505 | VM042423 | 03-1440 lcsd |
| 6) Sample | 100 | 061506 | VM042423 | rinse |
| 7) Sample | 4 | 061507 | VM042423 | 03-1440 mb |
| 8) Sample | 5 | 061508 | VM042423 | 03-1439 mb 1/0.5 |
| 9) Sample | 6 | 061509 | VM042423 | 306191-06 rr |
| 10) Sample | 100 | 061510 | VM042423 | rinse |
| 11) Sample | 7 | 061511 | VM042423 | 10 ppb 8260 CCV 69-113N |
| 12) Sample | 8 | 061512 | VM042423 | 306173-01 ms |
| 13) Sample | 100 | 061513 | VM042423 | rinse |
| 14) Sample | 9 | 061514 | VM042423 | instrument blank |
| 15) Sample | 10 | 061515 | VM042423 | 306173-01 |
| 16) Sample | 11 | 061516 | VM042423 | 306173-02 |
| 17) Sample | 12 | 061517 | VM042423 | 306173-03 |
| 18) Sample | 13 | 061518 | VM042423 | 306173-04 |
| 19) Sample | 14 | 061519 | VM042423 | 306173-05 |
| 20) Sample | 15 | 061520 | VM042423 | 306173-06 |
| 21) Sample | 16 | 061521 | VM042423 | 306173-07 |
| 22) Sample | 17 | 061522 | VM042423 | 306173-08 |
| 23) Sample | 18 | 061523 | VM042423 | 306173-09 |
| 24) Sample | 19 | 061524 | VM042423 | 306173-10 |
| 25) Sample | 20 | 061525 | VM042423 | 306173-11 |
| 26) Sample | 21 | 061526 | VM042423 | 306173-12 |
| 27) Sample | 22 | 061527 | VM042423 | 306173-13 |
| 28) Sample | 23 | 061528 | VM042423 | 306173-14 |
| 29) Sample | 24 | 061529 | VM042423 | 306173-15 |
| 30) Sample | 25 | 061530 | VM042423 | 306173-16 |
| 31) Sample | 26 | 061531 | VM042423 | 306173-17 |
| 32) Sample | 27 | 061532 | VM042423 | 306173-18 |
| 33) Sample | 28 | 061533 | VM042423 | 306173-19 |
| 34) Sample | 100 | 061534 | VM042423 | rinse |
| 35) Sample | 29 | 061535 | VM042423 | 306251-01 |
| 36) Sample | 100 | 061536 | VM042423 | rinse |
| 37) Sample | 100 | 061537 | VM042423 | rinse |

Injection Log

Data Directory: Y:\Proc_GCMS11\06-15-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|---|--------------------------|------|------------|----------------------|
| 1) 061501.D rinse | VM042423.M | 100 | 1.000 | 15 Jun 2023 07:35 am |
| 2) 061502.D rinse | VM042423.M | 100 | 1.000 | 15 Jun 2023 07:57 am |
| 3) 061503.D 10 ppb 8260 CCV 69.. soil/water | VM042423.M | 1 | 1.000 | 15 Jun 2023 08:20 am |
| 4) 061504.D 03-1440 lcs | VM042423.M water | 2 | 1.000 | 15 Jun 2023 08:42 am |
| 5) 061505.D 03-1440 lcsd | VM042423.M water | 3 | 1.000 | 15 Jun 2023 09:05 am |
| 6) 061506.D rinse | VM042423.M soil/water | 100 | 1.000 | 15 Jun 2023 09:27 am |
| 7) 061507.D 03-1440 mb | VM042423.M water | 4 | 1.000 | 15 Jun 2023 09:49 am |
| 8) 061508.D 03-1439 mb 1/0.5 | VM042423.M soil | 5 | 1.000 | 15 Jun 2023 10:12 am |
| 9) 061509.D 306191-06 rr | VM042423.M water | 6 | 1.000 | 15 Jun 2023 10:50 am |
| 10) 061510.D rinse | VM042423.M soil/water | 100 | 1.000 | 15 Jun 2023 11:47 am |
| 11) 061511.D 10 ppb 8260 CCV 69.. soil/water | VM042423.M | 7 | 1.000 | 15 Jun 2023 12:15 pm |
| 12) 061512.D 306173-01 ms | VM042423.M water | 8 | 1.000 | 15 Jun 2023 12:56 pm |
| 13) 061513.D rinse | VM042423.M water | 100 | 1.000 | 15 Jun 2023 01:18 pm |
| 14) 061514.D instrument blank | VM042423.M water | 9 | 1.000 | 15 Jun 2023 01:41 pm |
| 15) 061515.D 306173-01 | VM042423.M water | 10 | 1.000 | 15 Jun 2023 02:04 pm |
| 16) 061516.D 306173-02 | VM042423.M water | 11 | 1.000 | 15 Jun 2023 02:26 pm |
| 17) 061517.D 306173-03 | VM042423.M water | 12 | 1.000 | 15 Jun 2023 02:49 pm |
| 18) 061518.D 306173-04 | VM042423.M water | 13 | 1.000 | 15 Jun 2023 03:12 pm |
| 19) 061519.D 306173-05 | VM042423.M water | 14 | 1.000 | 15 Jun 2023 03:34 pm |
| 20) 061520.D 306173-06 | VM042423.M water | 15 | 1.000 | 15 Jun 2023 03:57 pm |
| 21) 061521.D | VM042423.M | | | |

| | | | | | | |
|--------------|-------|------------|-----|-------|-------------|----------|
| 306173-07 | water | | 16 | 1.000 | 15 Jun 2023 | 04:20 pm |
| 22) 061522.D | | VM042423.M | | | | |
| 306173-08 | water | | 17 | 1.000 | 15 Jun 2023 | 04:42 pm |
| 23) 061523.D | | VM042423.M | | | | |
| 306173-09 | water | | 18 | 1.000 | 15 Jun 2023 | 05:05 pm |
| 24) 061524.D | | VM042423.M | | | | |
| 306173-10 | water | | 19 | 1.000 | 15 Jun 2023 | 05:27 pm |
| 25) 061525.D | | VM042423.M | | | | |
| 306173-11 | water | | 20 | 1.000 | 15 Jun 2023 | 05:50 pm |
| 26) 061526.D | | VM042423.M | | | | |
| 306173-12 | water | | 21 | 1.000 | 15 Jun 2023 | 06:12 pm |
| 27) 061527.D | | VM042423.M | | | | |
| 306173-13 | water | | 22 | 1.000 | 15 Jun 2023 | 06:35 pm |
| 28) 061528.D | | VM042423.M | | | | |
| 306173-14 | water | | 23 | 1.000 | 15 Jun 2023 | 06:57 pm |
| 29) 061529.D | | VM042423.M | | | | |
| 306173-15 | water | | 24 | 1.000 | 15 Jun 2023 | 07:20 pm |
| 30) 061530.D | | VM042423.M | | | | |
| 306173-16 | water | | 25 | 1.000 | 15 Jun 2023 | 07:43 pm |
| 31) 061531.D | | VM042423.M | | | | |
| 306173-17 | water | | 26 | 1.000 | 15 Jun 2023 | 08:05 pm |
| 32) 061532.D | | VM042423.M | | | | |
| 306173-18 | water | | 27 | 1.000 | 15 Jun 2023 | 09:42 pm |
| 33) 061533.D | | VM042423.M | | | | |
| 306173-19 | water | | 28 | 1.000 | 15 Jun 2023 | 10:04 pm |
| 34) 061534.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 15 Jun 2023 | 10:26 pm |
| 35) 061535.D | | VM042423.M | | | | |
| 306251-01 | water | | 29 | 1.000 | 15 Jun 2023 | 10:49 pm |
| 36) 061536.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 15 Jun 2023 | 11:11 pm |
| 37) 061537.D | | VM042423.M | | | | |
| rinse | water | | 100 | 1.000 | 15 Jun 2023 | 11:34 pm |

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 11

Sequence Date: 5.09.23

Shift # 1

| Item | Initial | Date |
|--|---------|--------|
| Shift and Batch | | |
| Initial Calibration Analyzed, Evaluated and Passed | ✓ | m 5/10 |
| 2 nd source passed | ✓ | |
| Analyte retention time checked | ✓ | |
| Tune passed | ✓ | |
| Non-Conformance Report filled out (if needed) | NA | |

Notes:

Attach this sheet to raw data package.

05/16/23 DM
 Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 11

Sequence Date: 6.14.23

Shift # 1

| Item | Initial | Date |
|--|-----------|------|
| Shift and Batch | | |
| All samples analyzed within 12 hour shift | ✓ | 6/15 |
| Internal Standards within limits (50-200% of the CCVs) | ✓ | |
| Surrogate recoveries within limits | ✓ | |
| Laboratory control sample (LCS) recoveries within limits | ✓ | |
| Matrix spike (MS) analyzed | ✓ | |
| RPDs within limits | ✓ | |
| Continuing Calibration Analyzed, Evaluated and Passed | see below | |
| Non-Conformance Report filled out (if needed) | / | |

Notes: Bromonethan P, acet, Carbas test

Attach this sheet to raw data package.

EA 06/15/23
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 11

Sequence Date: 6.14.23

Shift # 2

| Item | Initial | Date |
|--|-----------|------|
| Shift and Batch | | |
| All samples analyzed within 12 hour shift | ✓ | 6/15 |
| Internal Standards within limits (50-200% of the CCVs) | ✓ | |
| Surrogate recoveries within limits | ✓ | |
| Laboratory control sample (LCS) recoveries within limits | ✓ | |
| Matrix spike (MS) analyzed | ✓ | |
| RPDs within limits | ✓ | |
| Continuing Calibration Analyzed, Evaluated and Passed | see below | |
| Non-Conformance Report filled out (if needed) | | |

Notes: anal, MSK, -2-level, 4L methyl-pestane

Attach this sheet to raw data package.

YA 06/16/23
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 11

Sequence Date: 6-15-23

Shift # 1

| Item | Initial | Date |
|--|------------|------|
| Shift and Batch | | |
| All samples analyzed within 12 hour shift | ✓ <i>W</i> | 6/15 |
| Internal Standards within limits (50-200% of the CCVs) | ✓ | |
| Surrogate recoveries within limits | ✓ | |
| Laboratory control sample (LCS) recoveries within limits | ✓ | |
| Matrix spike (MS) analyzed | ✓ | |
| RPDs within limits | ✓ | |
| Continuing Calibration Analyzed, Evaluated and Passed | see below | |
| Non-Conformance Report filled out (if needed) | | |

Notes: acet, TBA, MeK, 2-hex, 73-75

Attach this sheet to raw data package.

YA 06/16/23
Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\05-09-23\050904.D

Tune Time : 09 May 2023 02:17 pm

Daily Calibration File : Y:\Proc_GCMS11\05-09-23\050918.D

(DMF) (DHL) (TOL) (BFB)

147294 108377 56644

| File | Sample | Surrogate Recovery % | | | | Internal Standard Responses | | |
|----------|------------|----------------------|-----|-----|-----|-----------------------------|--------|-------|
| 050910.D | 0.02 ppb 8 | 96 | 96 | 98 | 103 | 155962 | 109449 | 58694 |
| 050911.D | 0.04 ppb 8 | 97 | 95 | 96 | 100 | 152125 | 109296 | 57542 |
| 050912.D | 0.1 ppb 82 | 100 | 109 | 99 | 103 | 148023 | 107692 | 58242 |
| 050913.D | 0.2 ppb 82 | 100 | 87 | 97 | 104 | 151569 | 109431 | 57191 |
| 050914.D | 0.5 ppb 82 | 104 | 105 | 98 | 103 | 145584 | 107187 | 56723 |
| 050915.D | 1 ppb 8260 | 100 | 104 | 97 | 100 | 146486 | 104870 | 57382 |
| 050916.D | 2 ppb 8260 | 103 | 108 | 99 | 99 | 146325 | 104164 | 58092 |
| 050917.D | 5 ppb 8260 | 103 | 101 | 100 | 99 | 144194 | 106674 | 57470 |
| 050918.D | 10 ppb 826 | 97 | 100 | 102 | 103 | 147294 | 108377 | 56644 |
| 050919.D | 20 ppb 826 | 102 | 93 | 106 | 100 | 143821 | 109223 | 58073 |
| 050920.D | 50 ppb 826 | 102 | 104 | 103 | 99 | 150130 | 114113 | 60830 |
| 050921.D | 100 ppb 82 | 97 | 99 | 102 | 98 | 154416 | 113802 | 64521 |
| 050922.D | 150 ppb 82 | 99 | 102 | 102 | 95 | 153896 | 115049 | 65607 |
| 050923.D | 200 ppb 82 | 100 | 98 | 101 | 94 | 153848 | 115808 | 67580 |
| 050925.D | 10 ppb 826 | 93 | 90 | 96 | 101 | 146778 | 104212 | 56387 |

(fails) - fails 12hr time check * - fails criteria

Created: Wed May 10 11:52:32 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\06-14-23\061403.D
 Tune Time : 14 Jun 2023 07:12 am

Daily Calibration File : Y:\Proc_GCMS11\06-14-23\061403.D

(DMF) (DHL) (TOL) (BFB)

90511 70105 35055

| File | Sample | Surrogate Recovery % | | | | Internal Standard Responses | | |
|----------|------------|----------------------|-----|-----|-----|-----------------------------|-------|-------|
| 061404.D | 03-1112 lc | 103 | 105 | 101 | 103 | 94724 | 68658 | 36877 |
| 061405.D | 03-1112 lc | 96 | 93 | 97 | 101 | 93565 | 65843 | 34503 |
| 061407.D | 03-1112 mb | 98 | 102 | 98 | 109 | 94790 | 68429 | 34511 |
| 061408.D | 03-1300 mb | 105 | 100 | 97 | 103 | 94325 | 69294 | 35587 |
| 061409.D | 306057-22 | 93 | 103 | 98 | 101 | 98633 | 71679 | 37824 |
| 061410.D | 306057-23 | 97 | 98 | 96 | 104 | 99573 | 73534 | 36401 |
| 061412.D | 306191-03 | 104 | 101 | 99 | 96 | 93269 | 67346 | 37078 |
| 061413.D | 306174-02 | 97 | 101 | 98 | 104 | 97781 | 68063 | 35390 |
| 061414.D | 306227-01 | 107 | 96 | 97 | 100 | 94573 | 67202 | 35029 |
| 061415.D | 306227-02 | 100 | 91 | 100 | 102 | 92294 | 65569 | 34733 |
| 061416.D | 306191-01 | 101 | 112 | 98 | 107 | 91199 | 68305 | 33599 |
| 061417.D | 306191-01 | 100 | 103 | 103 | 99 | 92733 | 66061 | 34738 |
| 061419.D | 306191-01 | 97 | 92 | 98 | 102 | 91614 | 64293 | 34690 |

(fails) - fails 12hr time check + - fails criteria

Created: Thu Jun 15 08:57:09 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\06-14-23\061421.D
 Tune Time : 14 Jun 2023 02:53 pm

Daily Calibration File : Y:\Proc_GCMS11\06-14-23\061421.D

(DMF) (DHL) (TOL) (BFB)

97433 70321 35295

| File | Sample | Surrogate Recovery % | | | | Internal Standard Responses | | |
|----------|-----------|----------------------|-----|-----|-----|-----------------------------|-------|-------|
| 061424.D | 306191-02 | 101 | 104 | 97 | 111 | 89824 | 64581 | 32747 |
| 061425.D | 306191-05 | 104 | 104 | 96 | 104 | 91511 | 65012 | 33521 |
| 061426.D | 306191-08 | 101 | 101 | 109 | 106 | 89063 | 65465 | 35972 |
| 061427.D | 306191-07 | 101 | 109 | 101 | 112 | 91137 | 68698 | 33337 |
| 061429.D | 306191-10 | 102 | 109 | 98 | 103 | 87851 | 63443 | 33897 |
| 061430.D | 306191-09 | 102 | 103 | 97 | 107 | 90220 | 65786 | 32997 |
| 061432.D | 306191-04 | 109 | 102 | 99 | 110 | 88076 | 64448 | 32065 |

(fails) - fails 12hr time check * - fails criteria

Created: Thu Jun 15 09:01:18 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\06-15-23\061503.D
 Tune Time : 15 Jun 2023 08:20 am

Daily Calibration File : Y:\Proc_GCMS11\06-15-23\061503.D

(DMF) (DHL) (TOL) (BFB)

86944 63979 33190

| File | Sample | Surrogate Recovery % | | | | Internal Standard Responses | | |
|----------|------------|----------------------|-----|-----|-----|-----------------------------|-------|-------|
| 061504.D | 03-1440 lc | 102 | 93 | 102 | 102 | 87750 | 65317 | 33712 |
| 061505.D | 03-1440 lc | 102 | 94 | 103 | 105 | 87952 | 67167 | 33920 |
| 061507.D | 03-1440 mb | 101 | 103 | 98 | 103 | 87851 | 60619 | 31360 |
| 061509.D | 306191-06 | 109 | 95 | 99 | 105 | 87131 | 61527 | 32078 |

(fails) - fails 12hr time check * - fails criteria

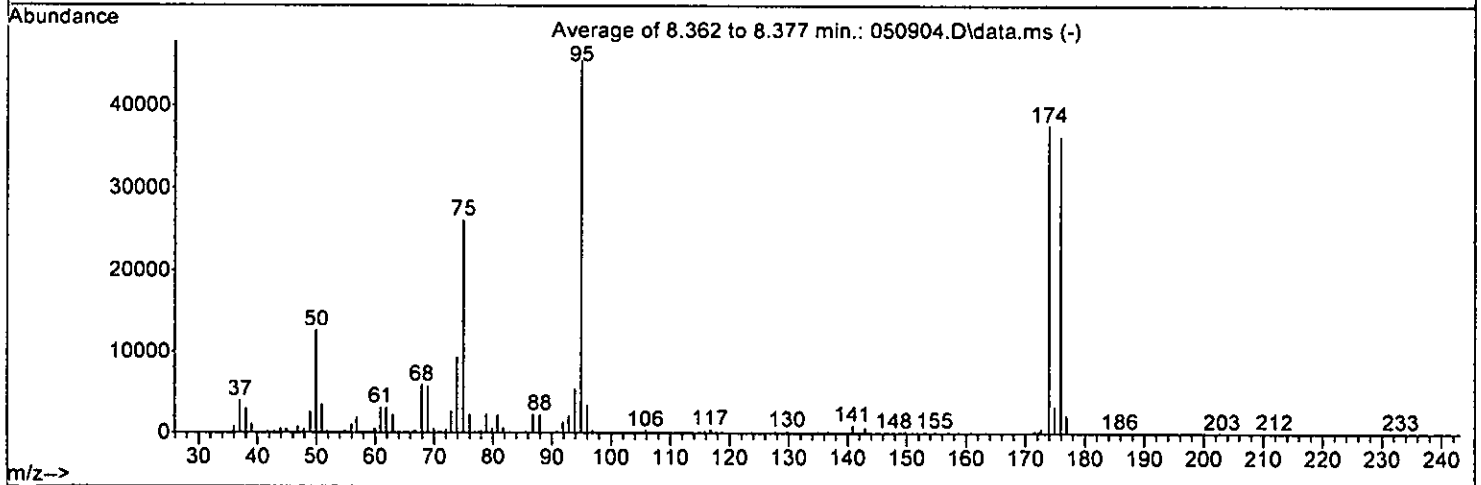
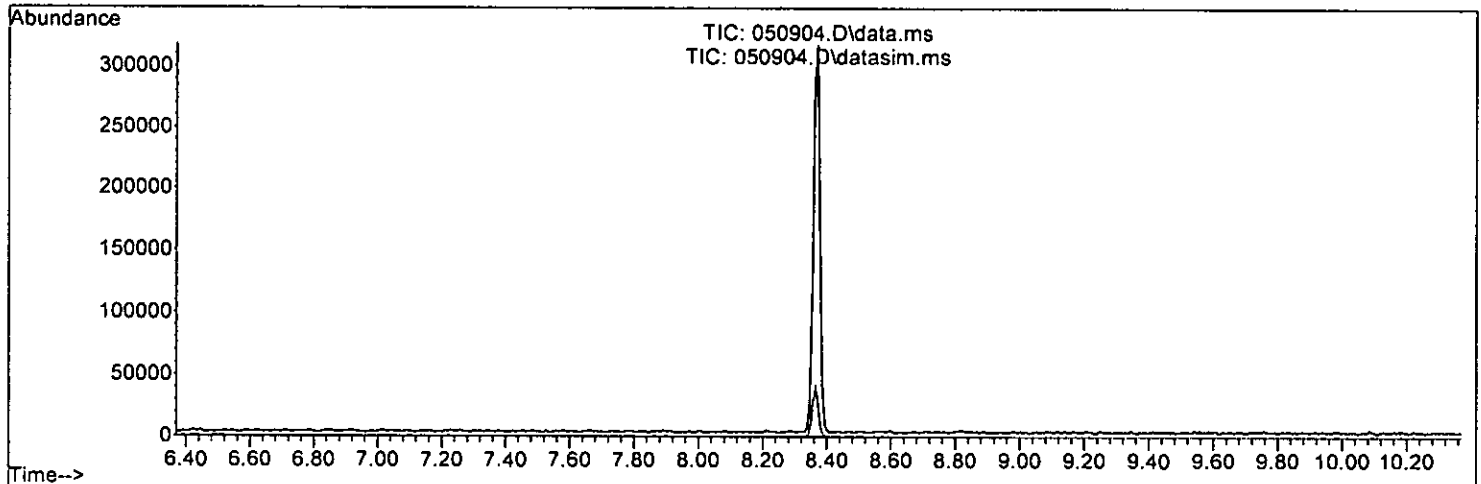
Created: Thu Jun 15 14:06:34 2023 GCMS11

EPA 8260D
Tune Summaries

Data Path : T:\GCMS11\GCMS11_Data\05-09-23\
 Data File : 050904.D
 Acq On : 09 May 2023 02:17 pm
 Operator :
 Sample : 50 ng BFB 67-152a
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst11\VB042423ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon May 01 07:21:56 2023



AutoFind: Scans 883, 884, 885; Background Corrected with Scan 877

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result |
|-------------|--------------|--------------|--------------|-----------|---------|--------|
| 95 | 174 | 50 | 200 | 121.2 | 45531 | PASS |
| 96 | 95 | 5 | 9 | 7.5 | 3403 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 82.5 | 37579 | PASS |
| 175 | 174 | 5 | 9 | 8.5 | 3177 | PASS |
| 176 | 174 | 95 | 105 | 96.1 | 36131 | PASS |
| 177 | 176 | 5 | 10 | 5.8 | 2097 | PASS |

EPA 8260D
Initial Calibrations

Method Path : Y:\Methods\Inst11\
 Method File : VB050923ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed May 10 11:06:40 2023
 Response Via : Initial Calibration

Calibration Files

0.02=050910.D 0.04=050911.D 0.1 =050912.D 0.2 =050913.D 0.5 =050914.D 1 =050915.D 2 =050916.D 5 =050917.D 10 =050918.D 20 =050919.D
 50 =050920.D 100 =050921.D 150 =050922.D 200 =050923.D

| Compound | 0.02 | 0.04 | 0.1 | 0.2 | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 100 | 150 | 200 | Avg | %RSD |
|-----------------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| -----ISTD----- | | | | | | | | | | | | | | | | |
| 1) I Fluorobenzene | | | | | | | | | | | | | | | | |
| 2) TMP Ethanol | | | | | | | | | | | | | | | 0.000# | -1.00 |
| 3) S Dibromofluorom... | 0.272 | 0.276 | 0.283 | 0.284 | 0.295 | 0.283 | 0.291 | 0.293 | 0.275 | 0.290 | 0.289 | 0.274 | 0.282 | 0.284 | 0.284 | 2.61 |
| 4) TMP Dichlorodifluo... | | | | | 0.785 | 0.872 | 0.832 | 0.912 | 0.887 | 0.850 | 0.880 | 0.922 | 0.967 | 0.900 | 0.881 | 5.75 |
| 5) TMP Chloromethane | | | | | 1.329 | 1.187 | 1.097 | 1.054 | 1.014 | 1.032 | 1.027 | 1.034 | 1.125 | 1.036 | 1.094 | 9.06 |
| 6) TMP Vinyl chloride | 0.785 | 0.912 | 0.900 | 0.930 | 0.919 | 0.920 | 0.974 | 0.972 | 0.963 | 0.990 | 0.974 | 0.979 | 1.052 | 0.977 | 0.946 | 6.46 |
| 7) TMP Bromomethane | | | | | | | 0.782 | 0.701 | 0.654 | 0.664 | 0.669 | 0.657 | 0.712 | 0.651 | 0.686 | 6.51 |
| 8) TMP Chloroethane | | | | | 0.601 | 0.621 | 0.644 | 0.629 | 0.614 | 0.602 | 0.586 | 0.596 | 0.643 | 0.590 | 0.612 | 3.46 |
| 9) TMP Trichlorofluor... | | | | 1.378 | 1.082 | 1.125 | 1.164 | 1.093 | 1.007 | 1.029 | 1.030 | 1.048 | 1.135 | 1.060 | 1.105 | 9.34 |
| 10) TMP 2-Propanol | | | | | | | | | | | | | | | 0.000 | -1.00 |
| 11) TMP Acetone | | | | | *0.078 | 0.060 | 0.064 | 0.055 | 0.054 | 0.052 | 0.051 | 0.056 | 0.050 | 0.058 | 0.058 | 14.43 |
| 12) TMP 1,1-Dichloroet... | 0.510 | 0.505 | 0.501 | 0.457 | 0.470 | 0.460 | 0.468 | 0.449 | 0.442 | 0.430 | 0.433 | 0.441 | 0.467 | 0.437 | 0.462 | 5.79 |
| 13) TMP Hexane | | | | | 0.593 | 0.487 | 0.471 | 0.427 | 0.432 | 0.439 | 0.478 | 0.488 | 0.496 | 0.491 | 0.480 | 9.86 |
| 14) TMP Methylene chlo... | | | | | | | 0.397 | 0.323 | 0.296 | 0.289 | 0.282 | 0.289 | 0.315 | 0.292 | 0.310 | 12.17 |
| 15) TMP t-Butyl alcoh... | | | | | 0.047 | 0.051 | 0.042 | 0.040 | 0.040 | 0.039 | 0.036 | 0.040 | 0.040 | 0.038 | 0.041 | 10.45 |
| 16) TMP Methyl t-butyl... | 0.814 | 0.919 | 0.990 | 0.914 | 0.926 | 0.923 | 0.951 | 0.905 | 0.894 | 0.877 | 0.873 | 0.896 | 0.953 | 0.881 | 0.908 | 4.67 |
| 17) TMP trans-1,2-Dich... | 0.439 | 0.347 | 0.357 | 0.334 | 0.309 | 0.311 | 0.317 | 0.302 | 0.297 | 0.291 | 0.290 | 0.299 | 0.319 | 0.297 | 0.322 | 12.24 |
| 18) TMP Diisopropyl et... | | | | | 1.220 | 1.194 | 1.069 | 1.092 | 1.040 | 1.048 | 1.019 | 1.116 | 1.144 | 1.241 | 1.114 | 6.82 |
| 19) TMP 1,1-Dichloroet... | 0.741 | 0.733 | 0.692 | 0.676 | 0.667 | 0.669 | 0.685 | 0.647 | 0.645 | 0.633 | 0.629 | 0.648 | 0.685 | 0.637 | 0.670 | 5.19 |
| 20) TMP Ethyl t-butyl ... | | | | | 0.325 | 0.336 | 0.341 | 0.395 | 0.312 | 0.324 | 0.326 | 0.326 | 0.336 | 0.362 | 0.337 | 6.72 |
| 21) TMP 2,2-Dichloropr... | | | | | 0.534 | 0.440 | 0.445 | 0.396 | 0.364 | 0.371 | 0.354 | 0.345 | 0.343 | 0.364 | 0.334 | 15.52 |
| 22) TMP cis-1,2-Dichlo... | 0.423 | 0.376 | 0.357 | 0.348 | 0.339 | 0.340 | 0.349 | 0.327 | 0.325 | 0.322 | 0.325 | 0.334 | 0.358 | 0.332 | 0.347 | 7.74 |
| 23) TMP Chloroform | | | | | 0.866 | 0.604 | 0.620 | 0.610 | 0.544 | 0.564 | 0.538 | 0.543 | 0.558 | 0.608 | 0.557 | 15.45 |
| 24) TMP 2-Butanone (MEK) | | | | | 0.253 | 0.230 | 0.205 | 0.198 | 0.192 | 0.220 | 0.189 | 0.209 | 0.222 | 0.214 | 0.222 | 8.54 |
| 25) TMP t-Amyl methyl ... | | | | | 1.068 | 0.930 | 0.866 | 0.875 | 0.787 | 0.812 | 0.798 | 0.797 | 0.833 | 0.898 | 0.833 | 9.47 |
| 26) TMP 1,2-Dichloroet... | 1.167 | 0.989 | 0.681 | 0.599 | 0.576 | 0.566 | 0.570 | 0.542 | 0.534 | 0.531 | 0.531 | 0.541 | 0.578 | 0.533 | 0.638 | 30.32 |
| 27) TMP 1,1,1-Trichlor... | 0.542 | 0.546 | 0.531 | 0.513 | 0.498 | 0.510 | 0.530 | 0.496 | 0.496 | 0.494 | 0.495 | 0.512 | 0.551 | 0.510 | 0.516 | 3.92 |
| 28) TMP 1,1-Dichloropr... | | | | | 0.509 | 0.421 | 0.481 | 0.413 | 0.436 | 0.414 | 0.412 | 0.424 | 0.439 | 0.471 | 0.448 | 7.27 |
| 29) TMP Carbon tetrach... | | | | | 0.312 | 0.268 | 0.333 | 0.338 | 0.318 | 0.322 | 0.319 | 0.330 | 0.358 | 0.394 | 0.384 | 10.41 |
| 30) S 1,2-Dichloroet... | 0.059 | 0.058 | 0.067 | 0.053 | 0.064 | 0.064 | 0.066 | 0.062 | 0.061 | 0.057 | 0.064 | 0.061 | 0.063 | 0.060 | 0.061 | 6.18 |
| 31) TMP Benzene | 1.766 | 1.581 | 1.414 | 1.297 | 1.258 | 1.276 | 1.305 | 1.244 | 1.243 | 1.233 | 1.240 | 1.264 | 1.350 | 1.248 | 1.337 | 11.62 |
| 32) TMP Trichloroethene | 0.442 | 0.371 | 0.361 | 0.333 | 0.336 | 0.335 | 0.343 | 0.325 | 0.328 | 0.322 | 0.325 | 0.337 | 0.352 | 0.333 | 0.346 | 9.02 |
| 33) TMP 1,2-Dichloropr... | | | | | 0.303 | 0.333 | 0.342 | 0.296 | 0.319 | 0.303 | 0.311 | 0.317 | 0.320 | 0.349 | 0.324 | 5.16 |
| 34) TMP Bromodichlorom... | | | | | 0.550 | 0.357 | 0.374 | 0.397 | 0.362 | 0.371 | 0.362 | 0.391 | 0.409 | 0.443 | 0.409 | 13.79 |
| 35) S Toluene-d8 | 0.958 | 0.939 | 0.963 | 0.947 | 0.960 | 0.947 | 0.971 | 0.981 | 0.995 | 1.031 | 1.009 | 0.996 | 0.992 | 0.992 | 0.977 | 2.73 |
| 36) TMP Dibromomethane | | | | | 0.151 | 0.218 | 0.207 | 0.220 | 0.183 | 0.183 | 0.189 | 0.186 | 0.192 | 0.204 | 0.191 | 10.08 |
| 37) TMP 4-Methyl-2-pen... | | | | | 0.069 | 0.057 | 0.044 | 0.050 | 0.049 | 0.050 | 0.051 | 0.054 | 0.057 | 0.054 | 0.053 | 12.09 |
| 38) TMP cis-1,3-Dichlo... | | | | | 0.415 | 0.418 | 0.476 | 0.443 | 0.430 | 0.461 | 0.448 | 0.469 | 0.497 | 0.535 | 0.502 | 8.13 |
| -----ISTD----- | | | | | | | | | | | | | | | | |
| 39) I Chlorobenzene-d5 | | | | | | | | | | | | | | | | |
| 40) TMP Toluene | 1.996 | 1.414 | 1.114 | 1.073 | 0.977 | 0.991 | 1.015 | 0.928 | 0.961 | 0.928 | 0.947 | 1.007 | 1.071 | 0.988 | 1.101 | 25.95 |
| 41) TMP trans-1,3-Dich... | | | | | 0.524 | 0.602 | 0.558 | 0.554 | 0.555 | 0.560 | 0.528 | 0.575 | 0.617 | 0.661 | 0.612 | 7.23 |
| 42) TMP 1,1,2-Trichlor... | 0.420 | 0.380 | 0.343 | 0.332 | 0.317 | 0.314 | 0.336 | 0.308 | 0.320 | 0.308 | 0.315 | 0.333 | 0.349 | 0.324 | 0.336 | 9.25 |
| 43) TMP 2-Hexanone | | | | | 0.444 | 0.453 | 0.453 | 0.412 | 0.435 | 0.404 | 0.423 | 0.459 | 0.434 | 0.448 | 0.437 | 4.24 |
| 44) TMP 1,3-Dichloropr... | | | | 0.598 | 0.561 | 0.491 | 0.573 | 0.552 | 0.562 | 0.535 | 0.535 | 0.571 | 0.605 | 0.562 | 0.559 | 5.61 |
| 45) TMP Tetrachloroethene | 0.630 | 0.405 | 0.371 | 0.350 | 0.336 | 0.338 | 0.351 | 0.322 | 0.327 | 0.316 | 0.323 | 0.344 | 0.355 | 0.334 | 0.364 | 21.92 |
| 46) TMP Dibromochlorom... | | | | 0.490 | 0.321 | 0.285 | 0.355 | 0.329 | 0.349 | 0.353 | 0.359 | 0.389 | 0.412 | 0.381 | 0.366 | 14.66 |
| 47) TMP 1,2-Dibromoeth... | 0.439 | 0.494 | 0.397 | 0.386 | 0.367 | 0.374 | 0.397 | 0.366 | 0.382 | 0.369 | 0.372 | 0.395 | 0.411 | 0.381 | 0.395 | 8.78 |
| 48) TMP Chlorobenzene | | | | 0.870 | 1.013 | 0.864 | 1.014 | 0.918 | 0.969 | 0.890 | 0.929 | 0.988 | 1.040 | 0.967 | 0.951 | 6.41 |
| 49) TMP Ethylbenzene | 2.513 | 2.182 | 1.997 | 1.890 | 1.845 | 1.882 | 1.983 | 1.827 | 1.866 | 1.806 | 1.835 | 1.941 | 2.021 | 1.882 | 1.962 | 9.55 |
| 50) TMP 1,1,1,2-Tetrac... | | | | 0.436 | 0.362 | 0.283 | 0.349 | 0.328 | 0.326 | 0.317 | 0.320 | 0.355 | 0.374 | 0.356 | 0.346 | 11.41 |
| 51) TMP m,p-Xylene | 0.937 | 0.778 | 0.729 | 0.684 | 0.662 | 0.681 | 0.716 | 0.657 | 0.676 | 0.652 | 0.672 | 0.728 | 0.781 | 0.735 | 0.721 | 10.42 |
| 52) TMP o-Xylene | 1.005 | 0.828 | 0.729 | 0.692 | 0.669 | 0.704 | 0.728 | 0.663 | 0.678 | 0.659 | 0.676 | 0.731 | 0.786 | 0.730 | 0.734 | 12.48 |
| 53) TMP Styrene | | | | 1.193 | 1.078 | 1.025 | 1.098 | 0.948 | 0.981 | 0.944 | 0.994 | 1.089 | 1.189 | 1.122 | 1.060 | 8.35 |
| 54) TMP Isopropylbenzene | | | | 1.720 | 1.608 | 1.580 | 1.645 | 1.512 | 1.540 | 1.514 | 1.542 | 1.700 | 1.824 | 1.701 | 1.626 | 6.21 |
| 55) TMP Bromoform | | | | 0.235 | 0.204 | 0.243 | 0.207 | 0.226 | 0.233 | 0.230 | 0.249 | 0.275 | 0.297 | 0.275 | 0.243 | 11.98 |
| -----ISTD----- | | | | | | | | | | | | | | | | |
| 56) I 1,4-Dichlorobenzen... | | | | | | | | | | | | | | | | |
| 57) S 4-Bromofluorob... | 0.956 | 0.927 | 0.961 | 0.968 | 0.958 | 0.929 | 0.919 | 0.921 | 0.955 | 0.935 | 0.925 | 0.914 | 0.882 | 0.874 | 0.930 | 3.05 |
| 58) TMP n-Propylbenzene | | | | 3.811 | 3.807 | 3.679 | 3.995 | 3.573 | 3.743 | 3.556 | 3.682 | 3.764 | 3.976 | 3.642 | 3.748 | 3.86 |
| 59) TMP Bromobenzene | | | | 0.796 | 0.806 | 0.713 | 0.753 | 0.763 | 0.751 | 0.712 | 0.747 | 0.754 | 0.799 | 0.733 | 0.757 | 4.28 |
| 60) TMP 1,3,5-Trimethy... | | | | 2.980 | 2.697 | 2.646 | 2.546 | 2.415 | 2.484 | 2.412 | 2.522 | 2.635 | 2.861 | 2.656 | 2.623 | 6.76 |
| 61) TMP 1,1,2,2-Tetrac... | | | | 1.197 | 0.942 | 0.914 | 0.965 | 0.862 | 0.914 | 0.899 | 0.921 | 0.923 | 0.997 | 0.896 | 0.948 | 9.48 |
| 62) TMP 1,2,3-Trichlor... | | 1.208 | 0.943 | 0.873 | 0.823 | 0.837 | 0.854 | 0.800 | 0.850 | 0.807 | 0.805 | 0.804 | 0.839 | 0.754 | 0.861 | 13.16 |
| 63) TMP 2-Chlorotoluene | | | | 2.582 | 2.254 | 2.177 | 2.200 | 2.048 | 2.165 | 2.109 | 2.115 | 2.191 | 2.345 | 2.135 | 2.211 | 6.60 |
| 64) TMP 4-Chlorotoluene | | | | 3.191 | 2.697 | 2.636 | 2.699 | 2.419 | 2.525 | 2.470 | 2.563 | 2.687 | 2.882 | 2.669 | 2.676 | 7.97 |
| 65) TMP tert-Butylbenzene | | | | 2.173 | 2.214 | 2.047 | 2.155 | 2.062 | 2.177 | 2.058 | 2.129 | 2.232 | 2.428 | 2.215 | 2.172 | 4.95 |
| 66) TMP 1,2,4-Trimethy... | | | | 3.075 | 2.987 | 2.525 | 2.640 | 2.485 | 2.596 | 2.540 | 2.641 | 2.763 | 3.002 | | | |

Compound List Report GCMS11

Method Path : Y:\Methods\Inst11\
 Method File : VB050923ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed May 10 11:06:40 2023
 Response Via : Initial Calibration

Total Cpnds : 76

| PK# | Compound Name | QIon | Exp_RT | Rel_RT | Cal | #Qual | A/H | ID |
|-----|-------------------------------|------|--------|--------|-----|-------|-----|----|
| 1 | I Fluorobenzene | 96 | 4.63 | 1.000 | L | 1 | A | B |
| 2 | T Ethanol | 45 | 1.86 | 0.402 | A | 1 | A | B |
| 3 | S Dibromofluoromethane | 113 | 4.08 | 0.881 | A | 0 | A | B |
| 4 | T Dichlorodifluoromethane | 85 | 1.09 | 0.234 | A | 1 | A | B |
| 5 | T Chloromethane | 50 | 1.22 | 0.263 | A | 1 | A | B |
| 6 | T Vinyl chloride | -62 | 1.30 | 0.281 | A | 1 | A | B |
| 7 | T Bromomethane | 94 | 1.52 | 0.329 | A | 1 | A | B |
| 8 | T Chloroethane | -64 | 1.60 | 0.345 | A | 1 | A | B |
| 9 | T Trichlorofluoromethane | 101 | 1.77 | 0.384 | A | 1 | A | B |
| 10 | T 2-Propanol | 45 | 2.39 | 0.517 | A | 1 | A | B |
| 11 | T Acetone | 58 | 2.26 | 0.489 | A | 1 | A | B |
| 12 | T 1,1-Dichloroethene | -96 | 2.19 | 0.474 | A | 2 | A | B |
| 13 | T Hexane | 57 | 3.05 | 0.659 | A | 2 | A | B |
| 14 | T Methylene chloride | 84 | 2.61 | 0.563 | A | 2 | A | B |
| 15 | T t-Butyl alcohol (TBA) | 59 | 2.73 | 0.590 | A | 1 | A | B |
| 16 | T Methyl t-butyl ether (MTBE) | -73 | 2.84 | 0.613 | A | 1 | A | B |
| 17 | T trans-1,2-Dichloroethene | -96 | 2.83 | 0.611 | A | 2 | A | B |
| 18 | T Diisopropyl ether (DIPE) | 45 | 3.24 | 0.701 | A | 3 | A | B |
| 19 | T 1,1-Dichloroethane | -63 | 3.18 | 0.688 | A | 2 | A | B |
| 20 | T Ethyl t-butyl ether (ETBE) | 87 | 3.54 | 0.765 | A | 3 | A | B |
| 21 | T 2,2-Dichloropropane | 77 | 3.66 | 0.791 | A | 1 | A | B |
| 22 | T cis-1,2-Dichloroethene | -96 | 3.67 | 0.793 | A | 2 | A | B |
| 23 | T Chloroform | 83 | 3.94 | 0.851 | A | 1 | A | B |
| 24 | T 2-Butanone (MEK) | 43 | 3.70 | 0.799 | A | 2 | A | B |
| 25 | T t-Amyl methyl ether (TAME) | 73 | 4.49 | 0.970 | A | 2 | A | B |
| 26 | T 1,2-Dichloroethane (EDC) | -62 | 4.41 | 0.953 | L | 1 | A | B |
| 27 | T 1,1,1-Trichloroethane | -97 | 4.08 | 0.882 | A | 2 | A | B |
| 28 | T 1,1-Dichloropropene | 75 | 4.22 | 0.911 | A | 2 | A | B |
| 29 | T Carbon tetrachloride | 117 | 4.21 | 0.909 | A | 1 | A | B |
| 30 | S 1,2-Dichloroethane-d4 | 102 | 4.35 | 0.939 | A | 1 | A | B |
| 31 | T Benzene | -78 | 4.38 | 0.948 | A | 1 | A | B |
| 32 | T Trichloroethene | -95 | 4.93 | 1.065 | A | 3 | A | B |
| 33 | T 1,2-Dichloropropane | 63 | 5.13 | 1.108 | A | 1 | A | B |
| 34 | T Bromodichloromethane | 83 | 5.37 | 1.159 | A | 2 | A | B |
| 35 | S Toluene-d8 | 98 | 5.98 | 1.293 | A | 1 | A | B |
| 36 | T Dibromomethane | 93 | 5.23 | 1.131 | A | 2 | A | B |
| 37 | T 4-Methyl-2-pentanone | 85 | 5.89 | 1.274 | A | 2 | A | B |
| 38 | T cis-1,3-Dichloropropene | 75 | 5.75 | 1.243 | A | 2 | A | B |
| 39 | I Chlorobenzene-d5 | 117 | 7.27 | 1.000 | A | 1 | A | B |
| 40 | T Toluene | -92 | 6.03 | 0.829 | L | 1 | A | B |
| 41 | T trans-1,3-Dichloropropene | 75 | 6.25 | 0.859 | A | 2 | A | B |
| 42 | T 1,1,2-Trichloroethane | -83 | 6.40 | 0.880 | A | 2 | A | B |
| 43 | T 2-Hexanone | 43 | 6.64 | 0.913 | A | 3 | A | B |
| 44 | T 1,3-Dichloropropane | 76 | 6.55 | 0.901 | A | 1 | A | B |
| 45 | T Tetrachloroethene | -164 | 6.51 | 0.896 | L | 3 | A | B |
| 46 | T Dibromochloromethane | 129 | 6.75 | 0.928 | A | 1 | A | B |
| 47 | T 1,2-Dibromoethane (EDB) | -107 | 6.85 | 0.942 | A | 2 | A | B |
| 48 | T Chlorobenzene | 112 | 7.30 | 1.003 | A | 2 | A | B |
| 49 | T Ethylbenzene | -91 | 7.40 | 1.018 | A | 1 | A | B |
| 50 | T 1,1,1,2-Tetrachloroethane | 131 | 7.38 | 1.014 | A | 2 | A | B |
| 51 | T m,p-Xylene | -106 | 7.51 | 1.033 | A | 1 | A | B |
| 52 | T o-Xylene | -106 | 7.88 | 1.084 | A | 1 | A | B |
| 53 | T Styrene | 104 | 7.90 | 1.086 | A | 1 | A | B |
| 54 | T Isopropylbenzene | 105 | 8.23 | 1.131 | A | 1 | A | B |
| 55 | T Bromoform | 173 | 8.07 | 1.109 | A | 2 | A | B |

| | | | | | | | | | |
|----|---|-----------------------------|-----|-------|-------|---|---|---|---|
| 56 | I | 1,4-Dichlorobenzene-d4 | 152 | 9.48 | 1.000 | A | 2 | A | B |
| 57 | S | 4-Bromofluorobenzene | 95 | 8.37 | 0.883 | A | 2 | A | B |
| 58 | T | n-Propylbenzene | 91 | 8.62 | 0.910 | A | 1 | A | B |
| 59 | T | Bromobenzene | 156 | 8.51 | 0.898 | A | 2 | A | B |
| 60 | T | 1,3,5-Trimethylbenzene | 105 | 8.79 | 0.928 | A | 1 | A | B |
| 61 | T | 1,1,2,2-Tetrachloroethane | 83 | 8.53 | 0.900 | A | 2 | A | B |
| 62 | T | 1,2,3-Trichloropropane | -75 | 8.56 | 0.903 | A | 3 | A | R |
| 63 | T | 2-Chlorotoluene | 91 | 8.69 | 0.917 | A | 1 | A | B |
| 64 | T | 4-Chlorotoluene | 91 | 8.80 | 0.929 | A | 1 | A | B |
| 65 | T | tert-Butylbenzene | 119 | 9.10 | 0.960 | A | 2 | A | B |
| 66 | T | 1,2,4-Trimethylbenzene | 105 | 9.15 | 0.965 | A | 1 | A | B |
| 67 | T | sec-Butylbenzene | 105 | 9.32 | 0.983 | A | 1 | A | B |
| 68 | T | p-Isopropyltoluene | 119 | 9.46 | 0.998 | A | 2 | A | B |
| 69 | T | 1,3-Dichlorobenzene | 146 | 9.41 | 0.993 | A | 2 | A | B |
| 70 | T | 1,4-Dichlorobenzene | 146 | 9.50 | 1.002 | A | 2 | A | B |
| 71 | T | 1,2-Dichlorobenzene | 146 | 9.86 | 1.041 | A | 2 | A | B |
| 72 | T | 1,2-Dibromo-3-chloropropane | 75 | 10.63 | 1.122 | A | 2 | A | B |
| 73 | T | 1,2,4-Trichlorobenzene | 180 | 11.44 | 1.207 | A | 2 | A | B |
| 74 | T | Hexachlorobutadiene | 225 | 11.61 | 1.225 | A | 2 | A | B |
| 75 | T | Naphthalene | 128 | 11.68 | 1.232 | A | 2 | A | B |
| 76 | T | 1,2,3-Trichlorobenzene | 180 | 11.92 | 1.257 | A | 2 | A | B |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB050923ms11.M Wed May 10 12:23:02 2023

Calibration Status Report GCMS11

Method Path : Y:\Methods\Inst11\
 Method File : VB050923ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed May 10 11:06:40 2023
 Response Via : Initial Calibration

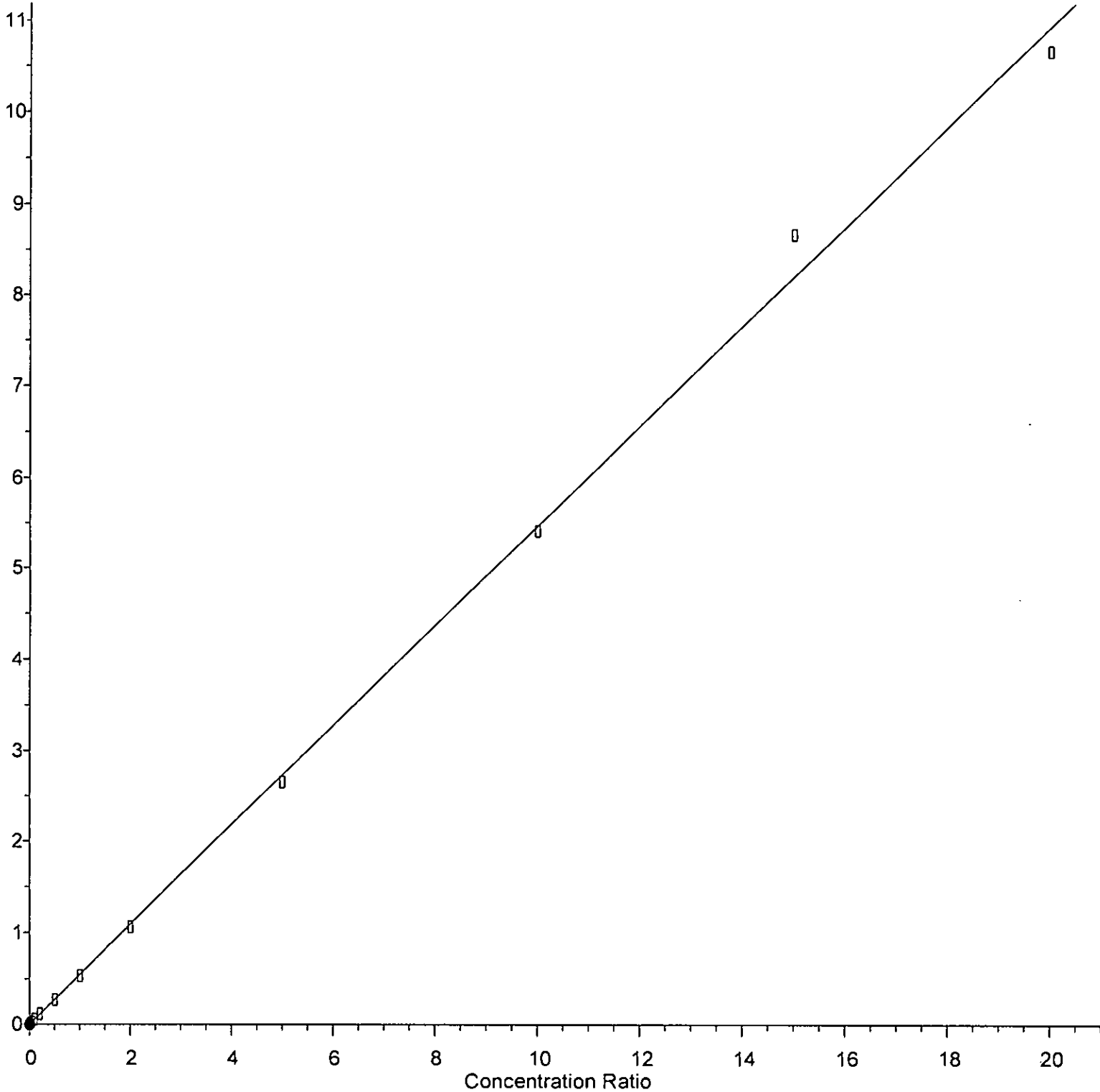
| # | ID | Conc | ISTD Conc | Path\File |
|----|------|------|--------------|----------------------------------|
| 1 | 0.02 | 0 | 10 | Y:\Proc_GCMS11\05-09-23\050910.D |
| 2 | 0.04 | 0 | 10 | Y:\Proc_GCMS11\05-09-23\050911.D |
| 3 | 0.1 | 0 | 10 | Y:\Proc_GCMS11\05-09-23\050912.D |
| 4 | 0.2 | 0 | 10 | Y:\Proc_GCMS11\05-09-23\050913.D |
| 5 | 0.5 | 1 | 10 | Y:\Proc_GCMS11\05-09-23\050914.D |
| 6 | 1 | 1 | 10 | Y:\Proc_GCMS11\05-09-23\050915.D |
| 7 | 2 | 2 | 10 | Y:\Proc_GCMS11\05-09-23\050916.D |
| 8 | 5 | 5 | 10 | Y:\Proc_GCMS11\05-09-23\050917.D |
| 9 | 10 | 10 | 10 | Y:\Proc_GCMS11\05-09-23\050918.D |
| 10 | 20 | 20 | 10 | Y:\Proc_GCMS11\05-09-23\050919.D |
| 11 | 50 | 50 | 10 | Y:\Proc_GCMS11\05-09-23\050920.D |
| 12 | 100 | 100 | 10 | Y:\Proc_GCMS11\05-09-23\050921.D |
| 13 | 150 | 150 | 10 | Y:\Proc_GCMS11\05-09-23\050922.D |
| 14 | 200 | 200 | 10 | Y:\Proc_GCMS11\05-09-23\050923.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|----|------|-------------------|-------------------|----------------------|
| 1 | 0.02 | May 10 09:32 2023 | May 10 09:24 2023 | 09 May 2023 04:46 pm |
| 2 | 0.04 | May 10 09:32 2023 | May 10 09:25 2023 | 09 May 2023 05:08 pm |
| 3 | 0.1 | May 10 09:32 2023 | May 10 09:26 2023 | 09 May 2023 05:31 pm |
| 4 | 0.2 | May 10 09:32 2023 | May 10 09:26 2023 | 09 May 2023 05:53 pm |
| 5 | 0.5 | May 10 09:32 2023 | May 10 09:27 2023 | 09 May 2023 06:16 pm |
| 6 | 1 | May 10 09:32 2023 | May 10 09:28 2023 | 09 May 2023 06:39 pm |
| 7 | 2 | May 10 09:32 2023 | May 10 09:28 2023 | 09 May 2023 07:01 pm |
| 8 | 5 | May 10 09:32 2023 | May 10 09:29 2023 | 09 May 2023 07:24 pm |
| 9 | 10 | May 10 09:32 2023 | May 10 08:50 2023 | 09 May 2023 07:46 pm |
| 10 | 20 | May 10 09:32 2023 | May 10 08:50 2023 | 09 May 2023 08:09 pm |
| 11 | 50 | May 10 09:32 2023 | May 10 08:50 2023 | 09 May 2023 08:31 pm |
| 12 | 100 | May 10 09:32 2023 | May 10 09:32 2023 | 09 May 2023 08:54 pm |
| 13 | 150 | May 10 09:32 2023 | May 10 08:50 2023 | 09 May 2023 09:16 pm |
| 14 | 200 | May 10 09:32 2023 | May 10 09:32 2023 | 09 May 2023 09:39 pm |

VB050923ms11.M Wed May 10 12:23:08 2023

1,2-Dichloroethane (EDC)

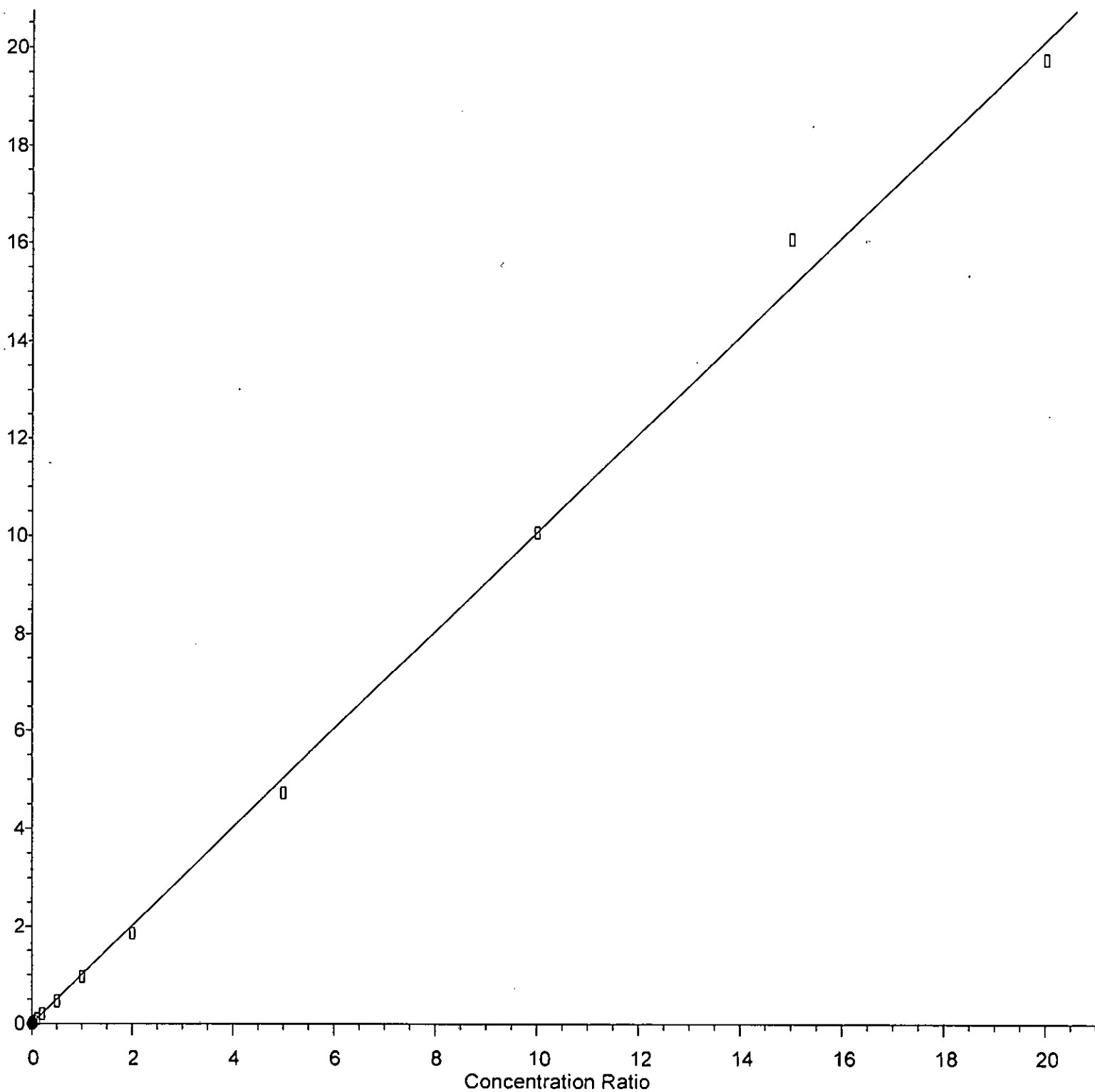
Response Ratio



Response = 5.469e-001 * Amt + 1.366e-003
Coef of Det (r^2) = 0.998722 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB050923ms11.M
Calibration Table Last Updated: Wed May 10 11:06:40 2023

Toluene

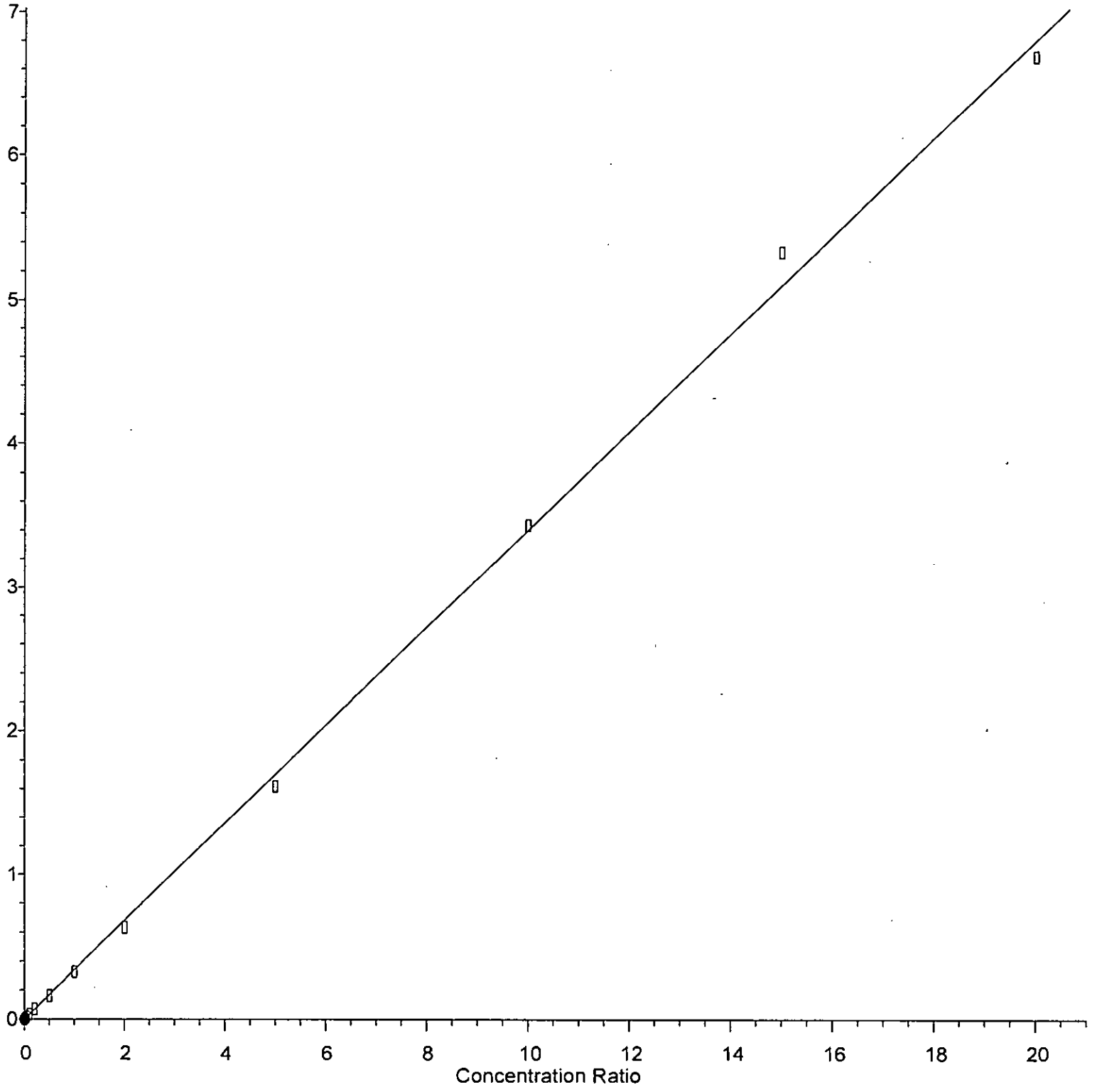
Response Ratio



Response = 1.007e+000 * Amt + 1.392e-003
Coef of Det (r^2) = 0.998065 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB050923ms11.M
Calibration Table Last Updated: Wed May 10 11:06:40 2023

Tetrachloroethene

Response Ratio

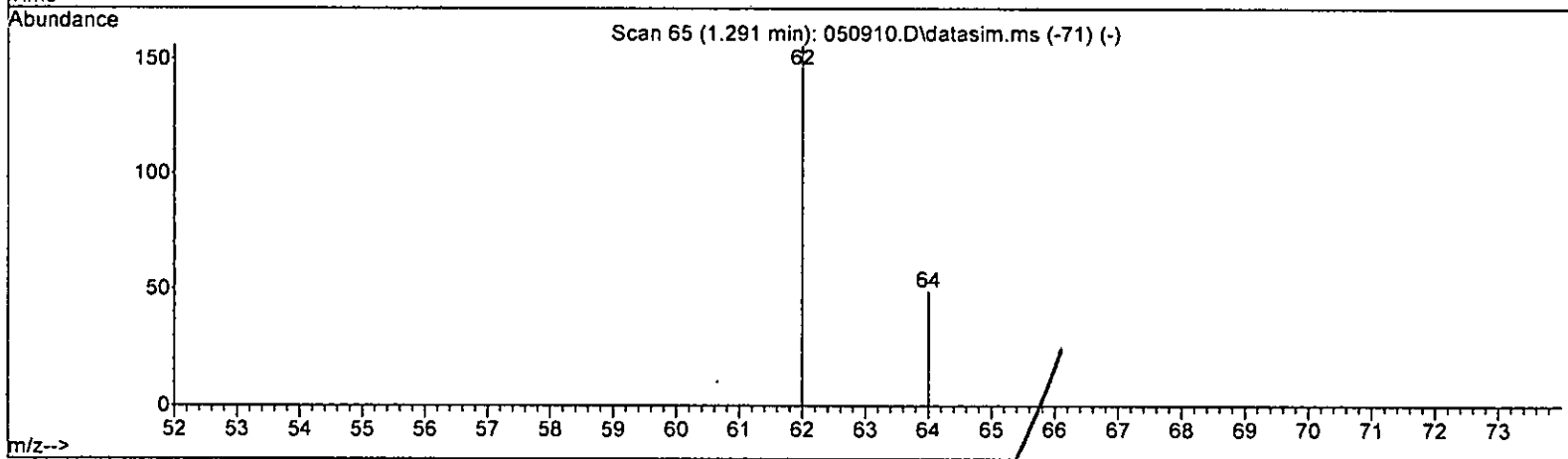
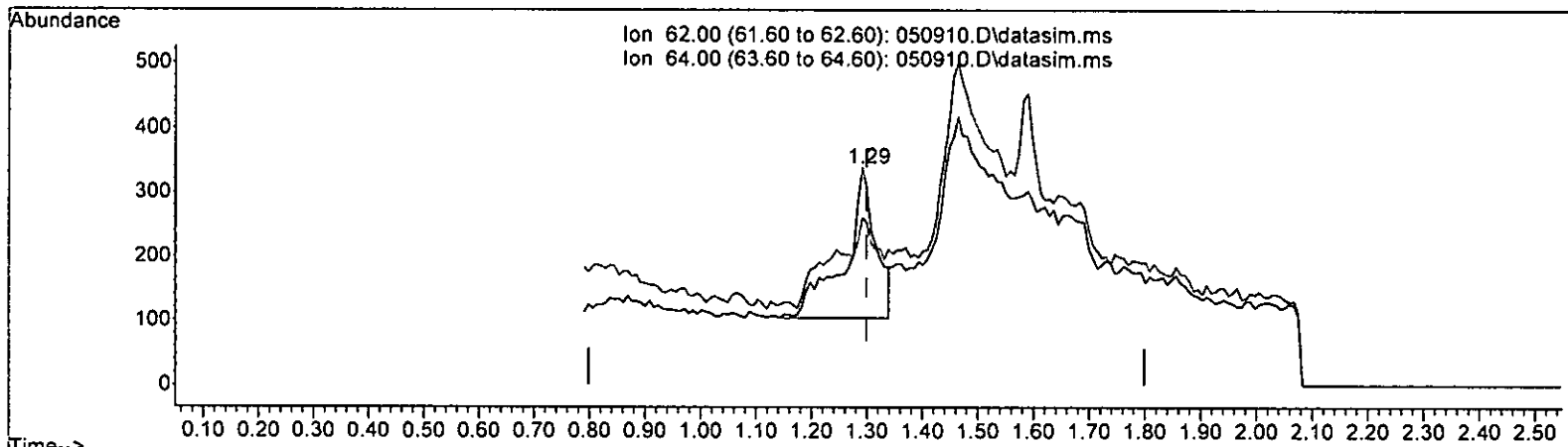


Response = $3.400e-001 * Amt + 3.640e-004$
Coef of Det (r^2) = 0.998822 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB050923ms11.M
Calibration Table Last Updated: Wed May 10 11:06:40 2023

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050910.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.008) 0.062 ppb

response 910

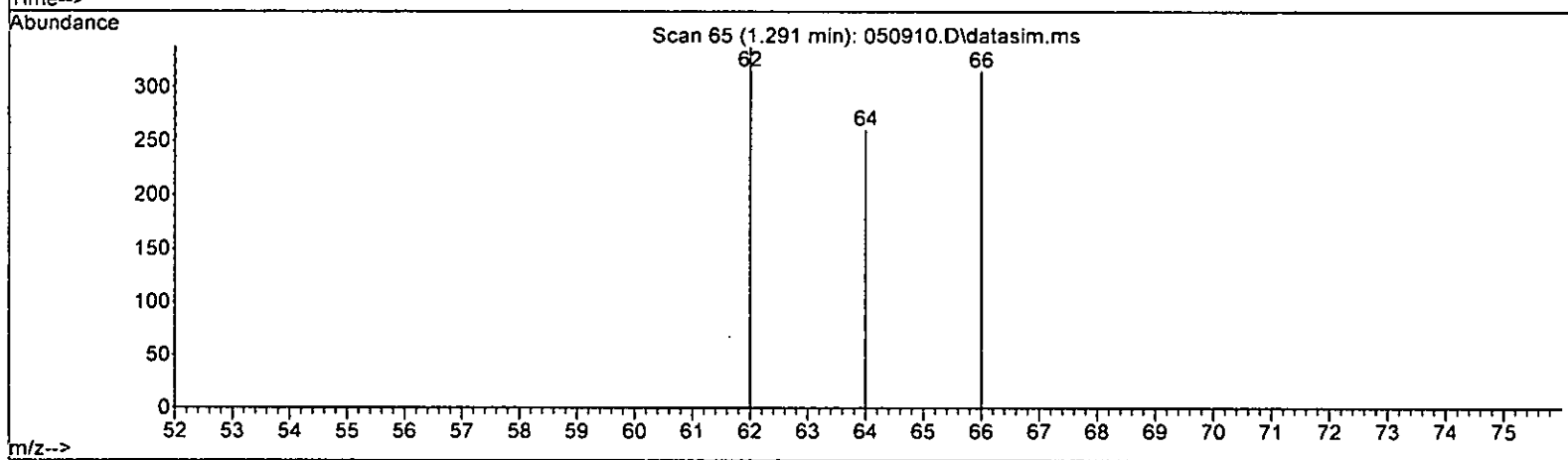
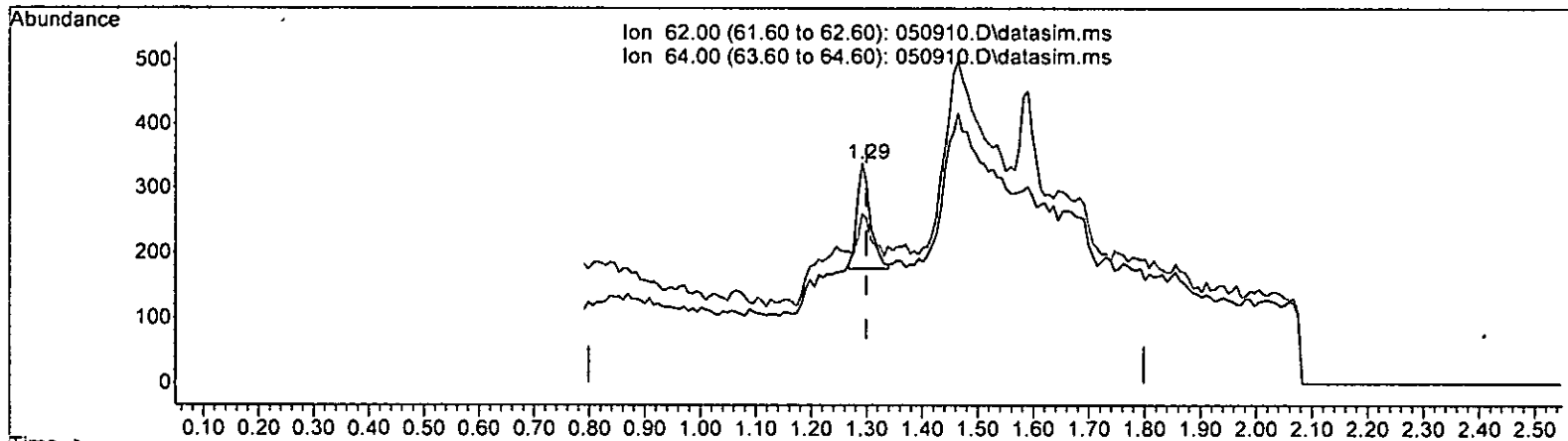
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 57.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050910.D\data.ms

(6) Vinyl chloride (TMP)
 1.291min (-0.008) 0.018 ppb m

response 266

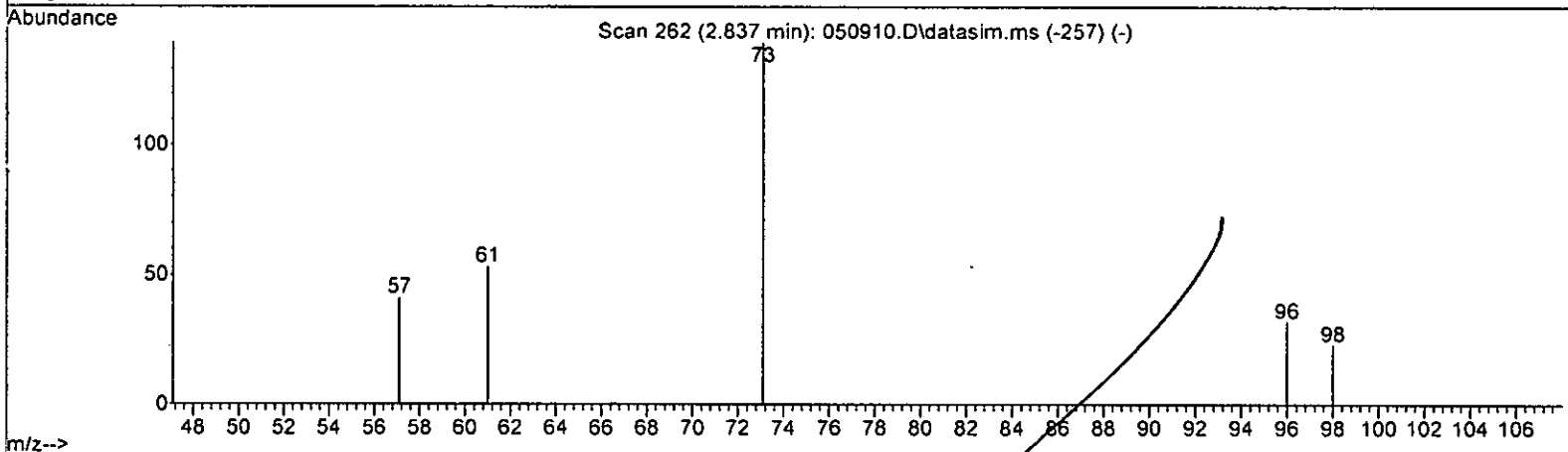
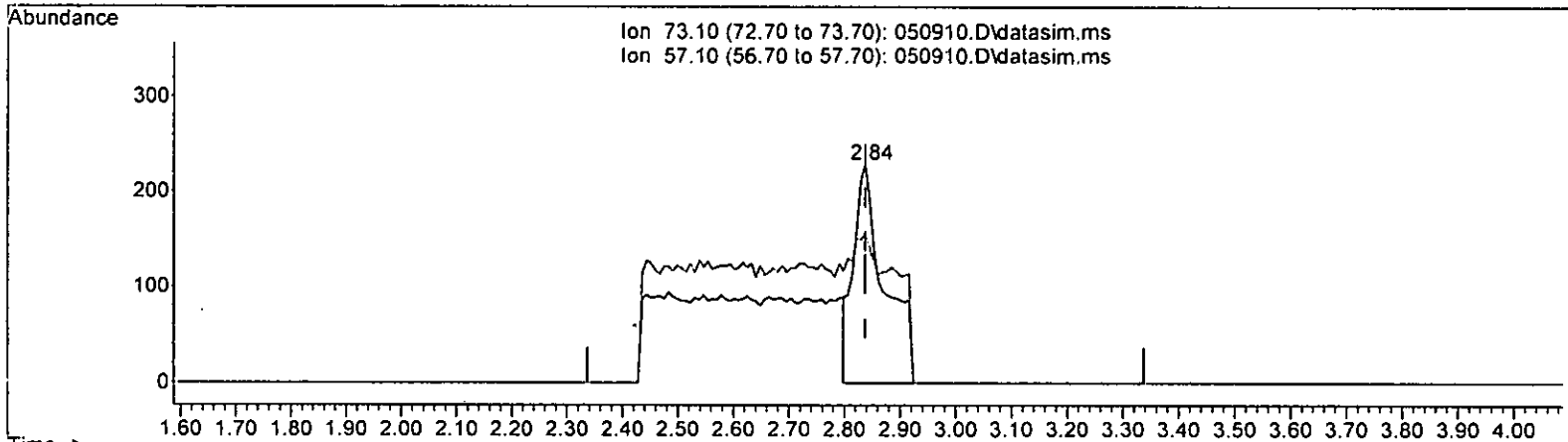
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 76.92# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

ms/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 AL5 Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050910.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.000) 0.062 ppb

response 876

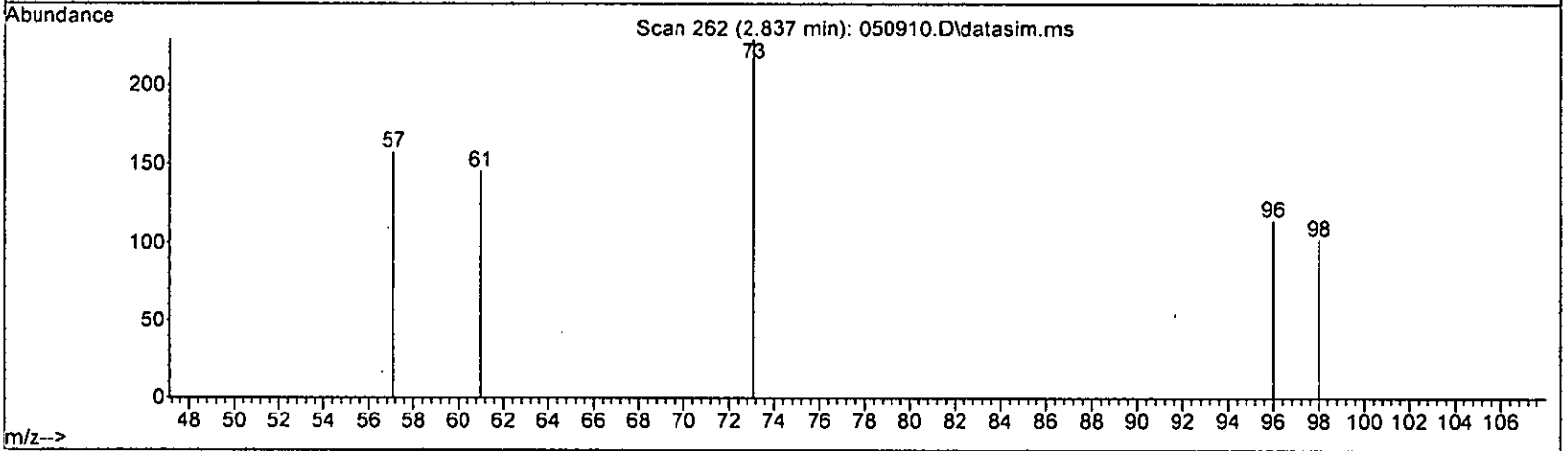
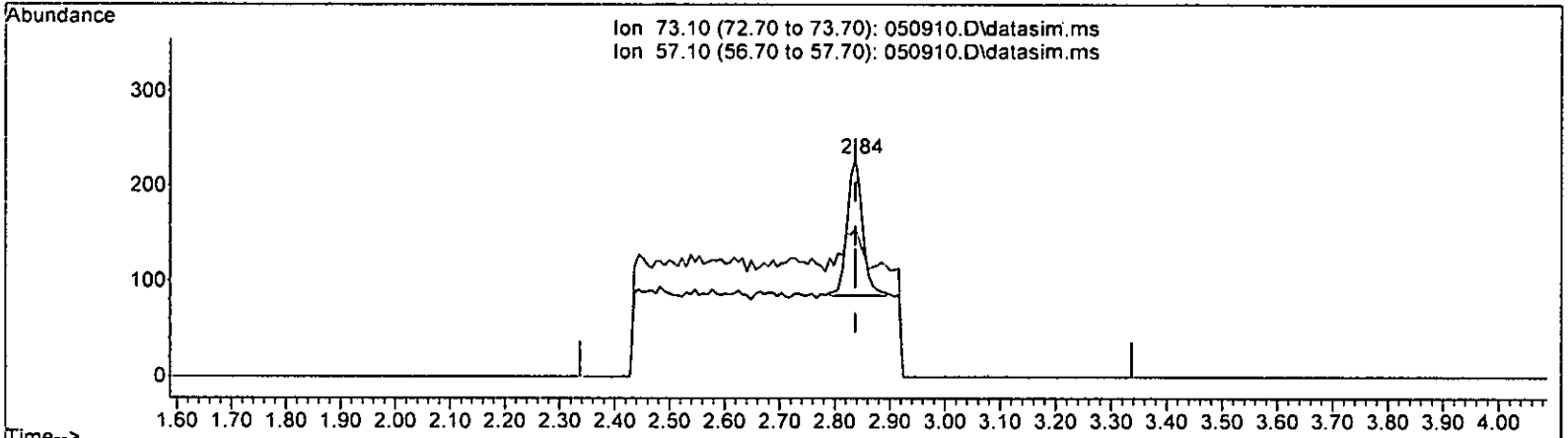
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 68.56# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050910.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.000) 0.019 ppb m

response 276

| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 68.56# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|--------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 155962 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 109449 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 58694 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 42403 | 9.589 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 95.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9167 | 9.571 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 95.70% | | |
| 35) Toluene-d8 | 5.97 | 98 | 149380 | 9.801 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 98.00% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 56193 | 10.291 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 102.90% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | d | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | d | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.29 | 62 | 266m | 0.018 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | d | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | d | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | d | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 159 | 0.022 | ppb | | 86 |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 276m | 0.019 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 137 | 0.027 | ppb | | 81 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | d | | |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 231 | 0.022 | ppb | | 96 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | d | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 132 | 0.024 | ppb | # | 76 |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | d | | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 364 | 0.018 | ppb | | 94 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 169 | 0.021 | ppb | | 90 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | d | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | d | | |
| 31] Benzene | 4.38 | 78 | 551 | 0.026 | ppb | | 92 |
| 32] Trichloroethene | 4.93 | 95 | 138 | 0.026 | ppb | | 96 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | d | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | d | | |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

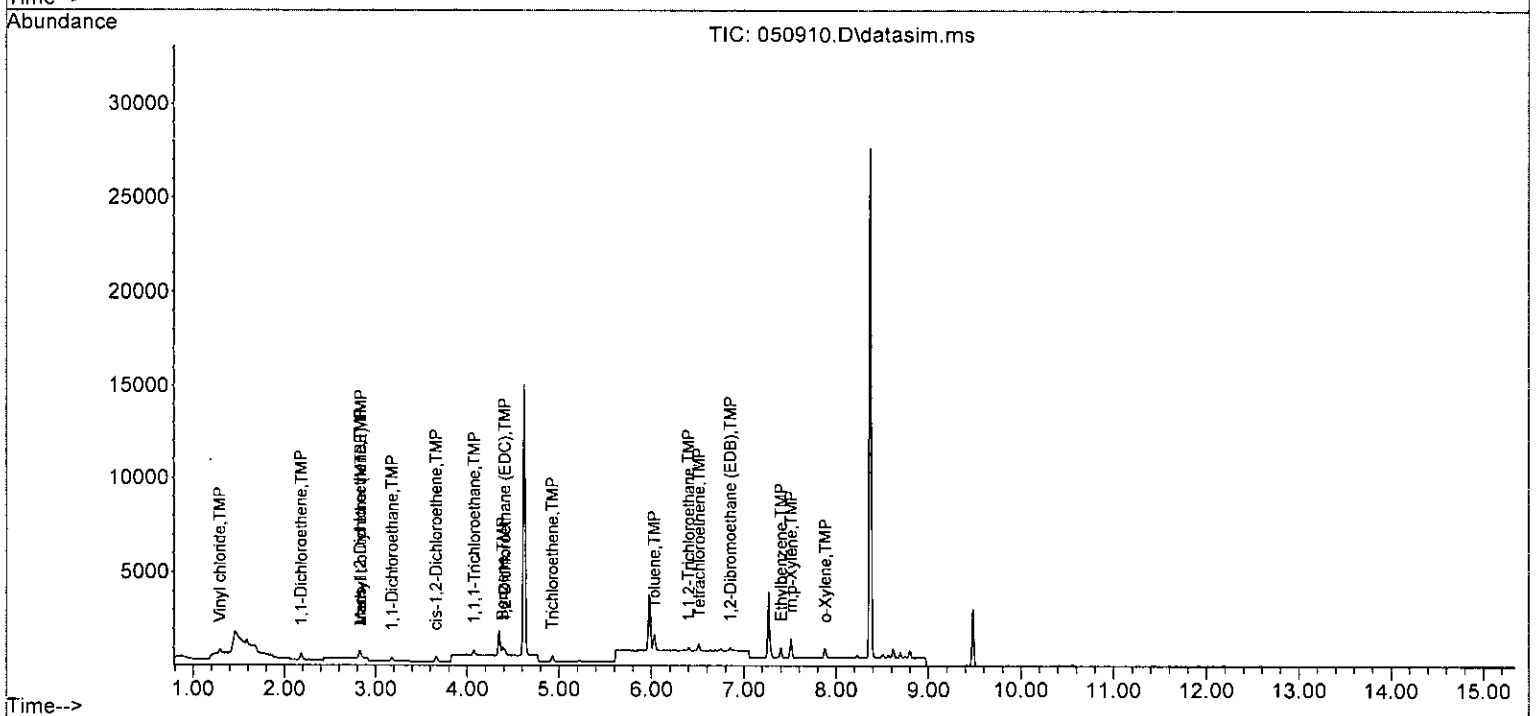
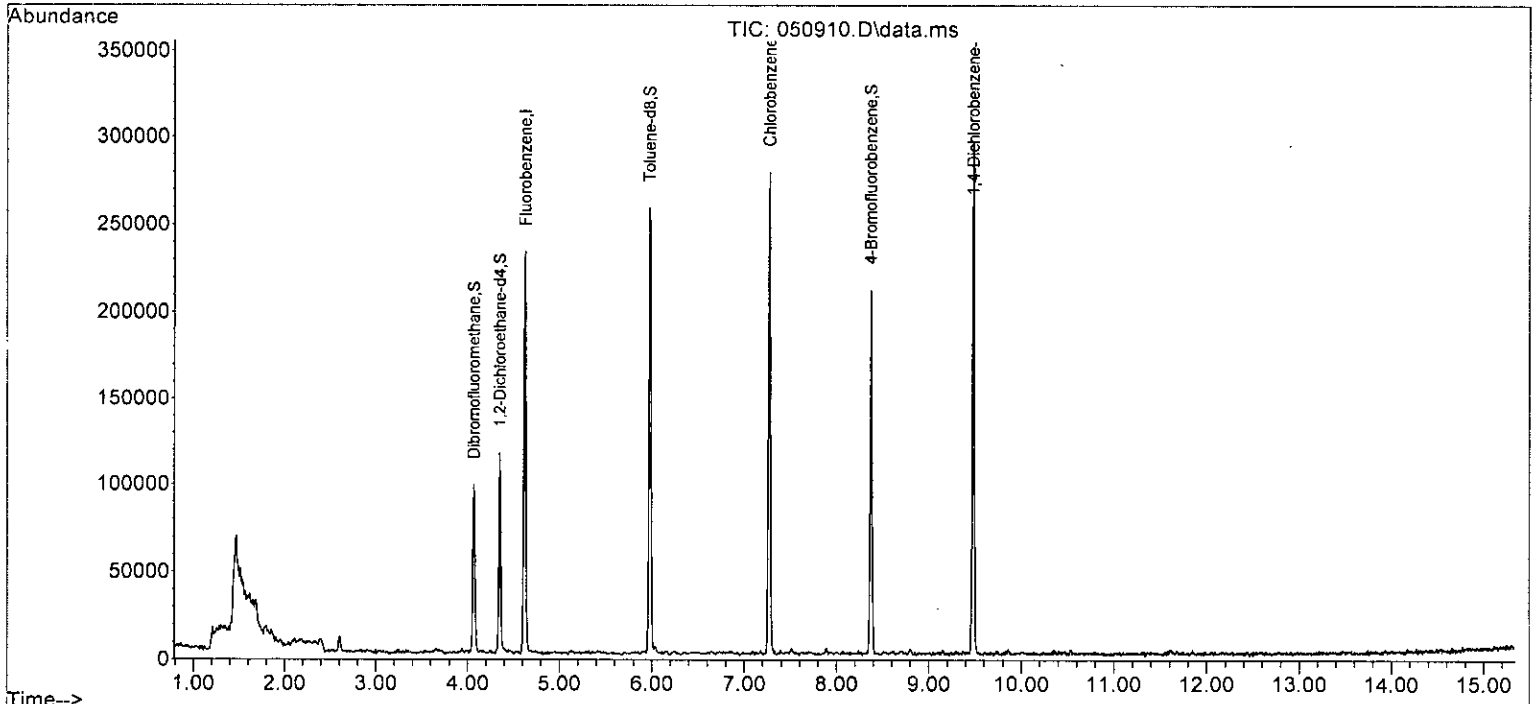
Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 40] Toluene | 6.03 | 92 | 437 | 0.026 | ppb | 98 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 92 | 0.025 | ppb | 90 |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | N.D. | d | |
| 45] Tetrachloroethene | 6.51 | 164 | 138 | 0.026 | ppb | 89 |
| 46) Dibromochloromethane | 0.00 | | 0 | N.D. | d | |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 96 | 0.022 | ppb | 92 |
| 48) Chlorobenzene | 0.00 | | 0 | N.D. | d | |
| 49] Ethylbenzene | 7.40 | 91 | 550 | 0.026 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 51] m,p-Xylene | 7.51 | 106 | 410 | 0.052 | ppb | 97 |
| 52] o-Xylene | 7.88 | 106 | 220 | 0.027 | ppb | 87 |
| 53) Styrene | 0.00 | | 0 | N.D. | d | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 55) Bromoform | 0.00 | | 0 | N.D. | d | |
| 58) n-Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | d | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | d | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | N.D. | d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | d | |
| 75) Naphthalene | 0.00 | | 0 | N.D. | d | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -1.86# |
| 3 S Dibromofluoromethane | 10.000 | 9.589 | 4.1 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.09# |
| 5 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.22# |
| 6 TMP Vinyl chloride | 0.020 | 0.018 | 10.0 | 109 | 0.00 |
| 7 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.60# |
| 9 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.77# |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.39# |
| 11 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 13 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.05# |
| 14 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.020 | 0.019 | 5.0 | 109 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.020 | 0.027 | -35.0# | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.54# |
| 21 TMP 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.020 | 0.024 | -20.0 | 100 | 0.00 |
| 23 TMP Chloroform | -1.000 | 0.000 | 0.0 | 0 | -3.94# |
| 24 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.020 | 0.018 | 10.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.22# |
| 29 TMP Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.571 | 4.3 | 100 | 0.00 |
| 31 TMP Benzene | 0.020 | 0.026 | -30.0# | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.020 | 0.026 | -30.0# | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.13# |
| 34 TMP Bromodichloromethane | -1.000 | 0.000 | 0.0 | 0 | -5.37# |
| 35 S Toluene-d8 | 10.000 | 9.801 | 2.0 | 100 | -0.01 |
| 36 TMP Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -5.75# |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.020 | 0.026 | -30.0# | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.020 | 0.025 | -25.0# | 100 | 0.00 |
| 43 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.55# |
| 45 TMP Tetrachloroethene | 0.020 | 0.026 | -30.0# | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.30# |
| 49 TMP Ethylbenzene | 0.020 | 0.026 | -30.0# | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.38# |
| 51 TMP m,p-Xylene | 0.040 | 0.052 | -30.0# | 100 | 0.00 |
| 52 TMP o-Xylene | 0.020 | 0.027 | -35.0# | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -7.90# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.23# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.291 | -2.9 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.62# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.79# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | -1.000 | 0.000 | 0.0 | 0 | -8.56# |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.69# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.80# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.15# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.32# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.44# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.61# |
| 75 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -11.68# |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.92# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -1.86# |
| 3 S Dibromofluoromethane | 0.284 | 0.272 | 4.2 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.000# | 100.0# | 0# | -1.09# |
| 5 TMP Chloromethane | 1.094 | 0.000# | 100.0# | 0# | -1.22# |
| 6 TMP Vinyl chloride | 0.946 | 0.853 | 9.8 | 109 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.000# | 100.0# | 0# | -1.60# |
| 9 TMP Trichlorofluoromethane | 1.105 | 0.000# | 100.0# | 0# | -1.77# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.39# |
| 11 TMP Acetone | 0.058 | 0.000# | 100.0# | 0# | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.510 | -10.4 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.000# | 100.0# | 0# | -3.05# |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.000# | 100.0# | 0# | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.885 | 2.5 | 109 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.439 | -36.3# | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 0.000# | 100.0# | 0# | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.741 | -10.6 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.000# | 100.0# | 0# | -3.54# |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.000# | 100.0# | 0# | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.423 | -21.9# | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.000# | 100.0# | 0# | -3.94# |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.000# | 100.0# | 0# | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.000# | 100.0# | 0# | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 1.167 | -82.9# | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.542 | -5.0 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.000# | 100.0# | 0# | -4.22# |
| 29 TMP Carbon tetrachloride | 0.334 | 0.000# | 100.0# | 0# | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.059 | 3.3 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.766 | -32.1# | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.442 | -27.7# | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.000# | 100.0# | 0# | -5.13# |
| 34 TMP Bromodichloromethane | 0.402 | 0.000# | 100.0# | 0# | -5.37# |
| 35 S Toluene-d8 | 0.977 | 0.958 | 1.9 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.000# | 100.0# | 0# | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.000# | 100.0# | 0# | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.000# | 100.0# | 0# | -5.75# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.996 | -81.3# | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.000# | 100.0# | 0# | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.420 | -25.0# | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.000# | 100.0# | 0# | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050910.D
 Acq On : 09 May 2023 04:46 pm
 Operator :
 Sample : 0.02 ppb 8260 ICAL 69-40F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:31 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.000# | 100.0# | 0# | -6.55# |
| 45 TMP Tetrachloroethene | 0.364 | 0.630 | -73.1# | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.000# | 100.0# | 0# | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.439 | -11.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.000# | 100.0# | 0# | -7.30# |
| 49 TMP Ethylbenzene | 1.962 | 2.513 | -28.1# | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.000# | 100.0# | 0# | -7.38# |
| 51 TMP m,p-Xylene | 0.721 | 0.937 | -30.0# | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 1.005 | -36.9# | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.000# | 100.0# | 0# | -7.90# |
| 54 TMP Isopropylbenzene | 1.626 | 0.000# | 100.0# | 0# | -8.23# |
| 55 TMP Bromoform | 0.243 | 0.000# | 100.0# | 0# | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.957 | -2.9 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 0.000# | 100.0# | 0# | -8.62# |
| 59 TMP Bromobenzene | 0.757 | 0.000# | 100.0# | 0# | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 0.000# | 100.0# | 0# | -8.79# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.000# | 100.0# | 0# | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.000# | 100.0# | 0# | -8.56# |
| 63 TMP 2-Chlorotoluene | 2.211 | 0.000# | 100.0# | 0# | -8.69# |
| 64 TMP 4-Chlorotoluene | 2.676 | 0.000# | 100.0# | 0# | -8.80# |
| 65 TMP tert-Butylbenzene | 2.172 | 0.000# | 100.0# | 0# | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 0.000# | 100.0# | 0# | -9.15# |
| 67 TMP sec-Butylbenzene | 3.371 | 0.000# | 100.0# | 0# | -9.32# |
| 68 TMP p-Isopropyltoluene | 2.787 | 0.000# | 100.0# | 0# | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 0.000# | 100.0# | 0# | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 0.000# | 100.0# | 0# | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.000# | 100.0# | 0# | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.000# | 100.0# | 0# | -11.44# |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.000# | 100.0# | 0# | -11.61# |
| 75 TMP Naphthalene | 2.446 | 0.000# | 100.0# | 0# | -11.68# |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.000# | 100.0# | 0# | -11.92# |

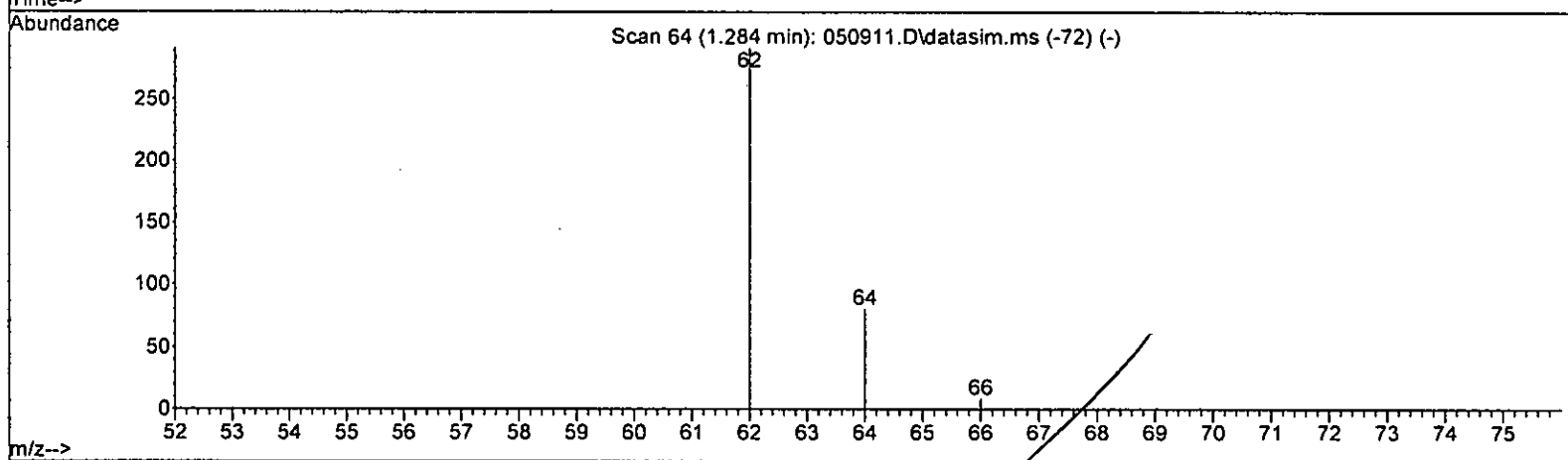
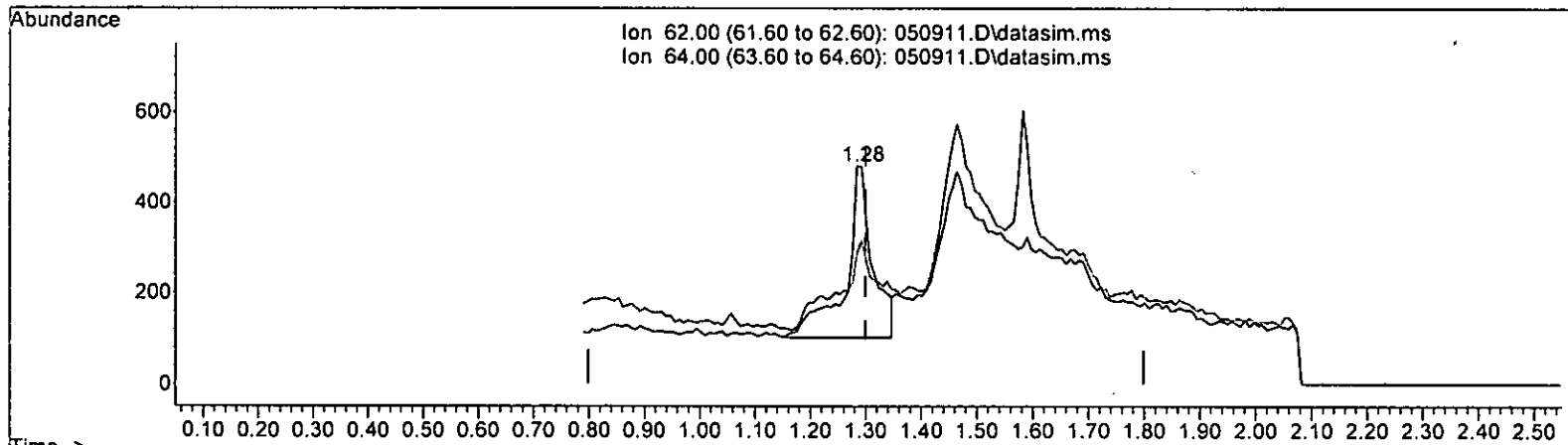
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050911.D\data.ms

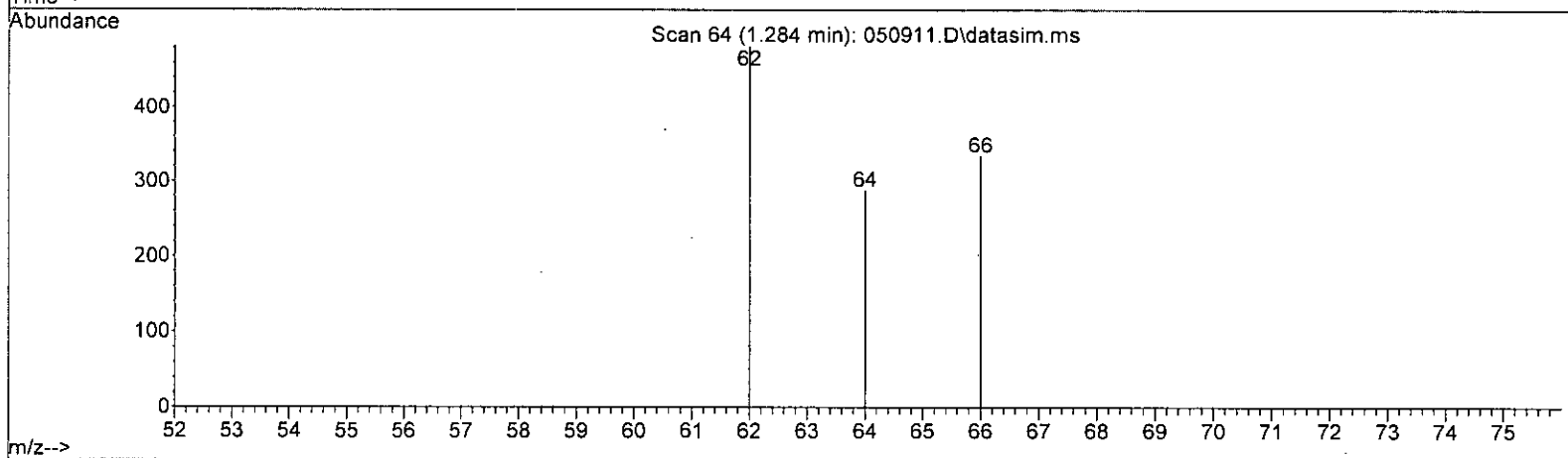
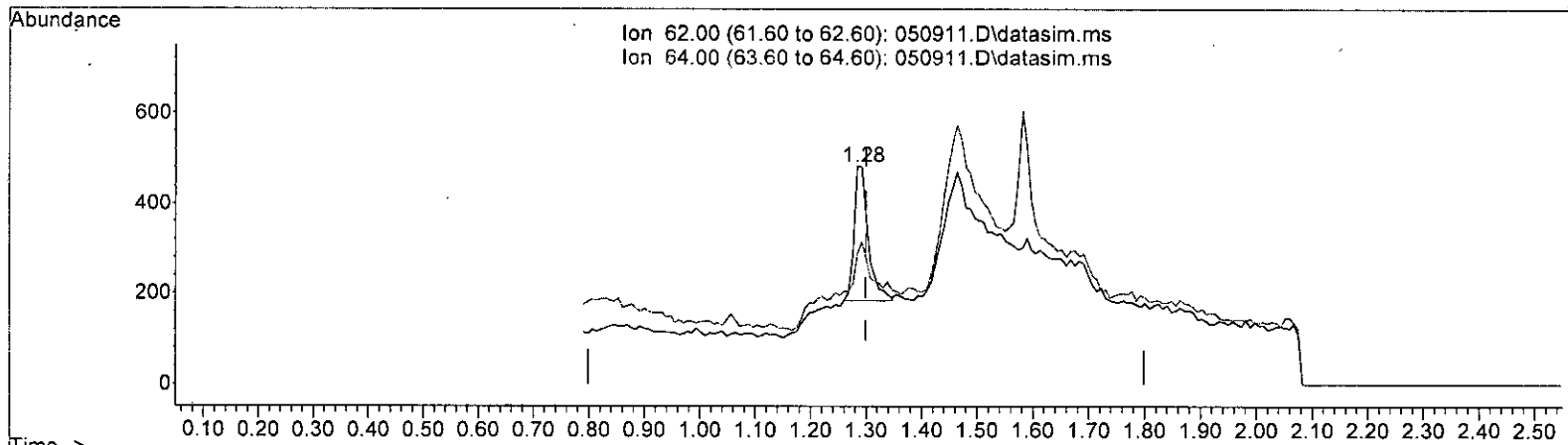
| | | |
|--------------------------|-----------|--------|
| (6) Vinyl chloride (TMP) | | |
| 1.284min (-0.015) | 0.088 ppb | |
| response | 1270 | |
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 43.16 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050911.D\data.ms

(6) Vinyl chloride (TMP)

1.284min (-0.015) 0.036 ppb m

response 518

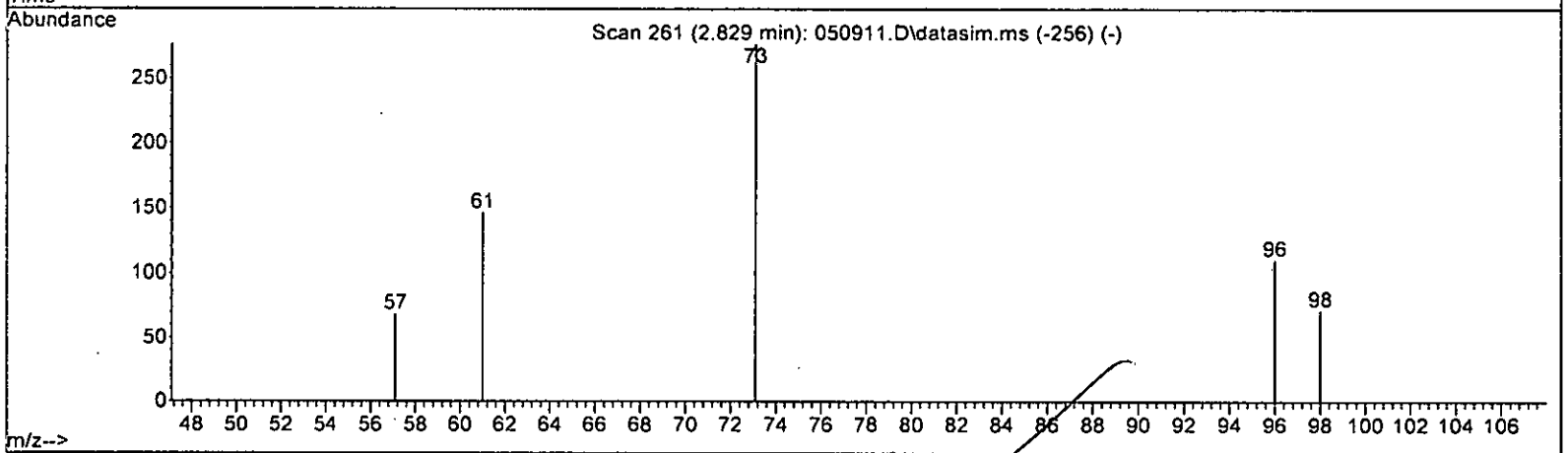
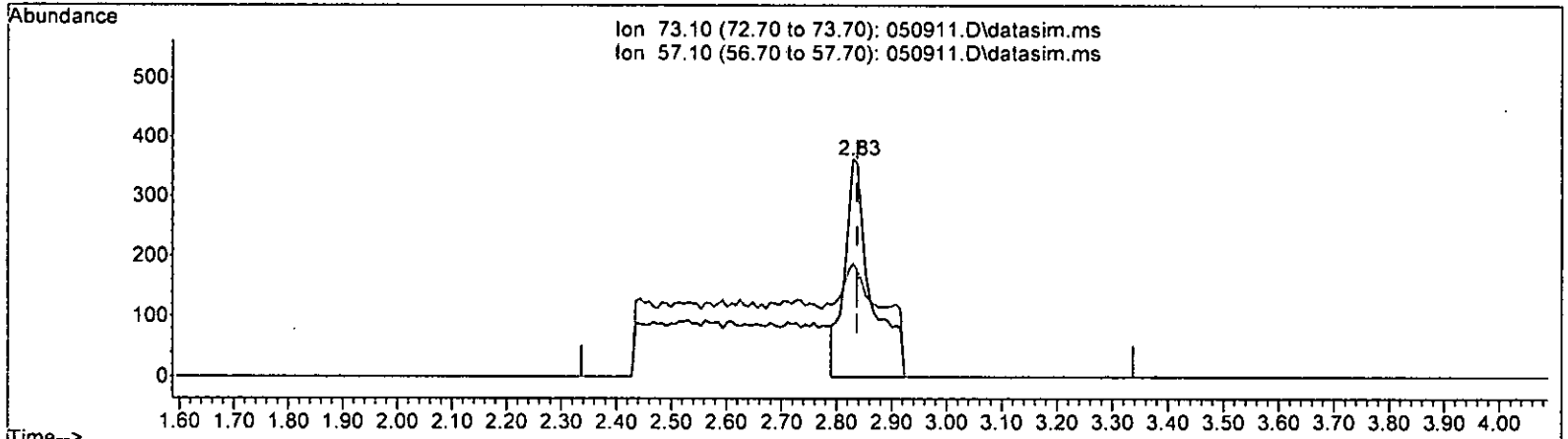
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 59.54 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

W S/W

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050911.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.008) 0.086 ppb

response 1190

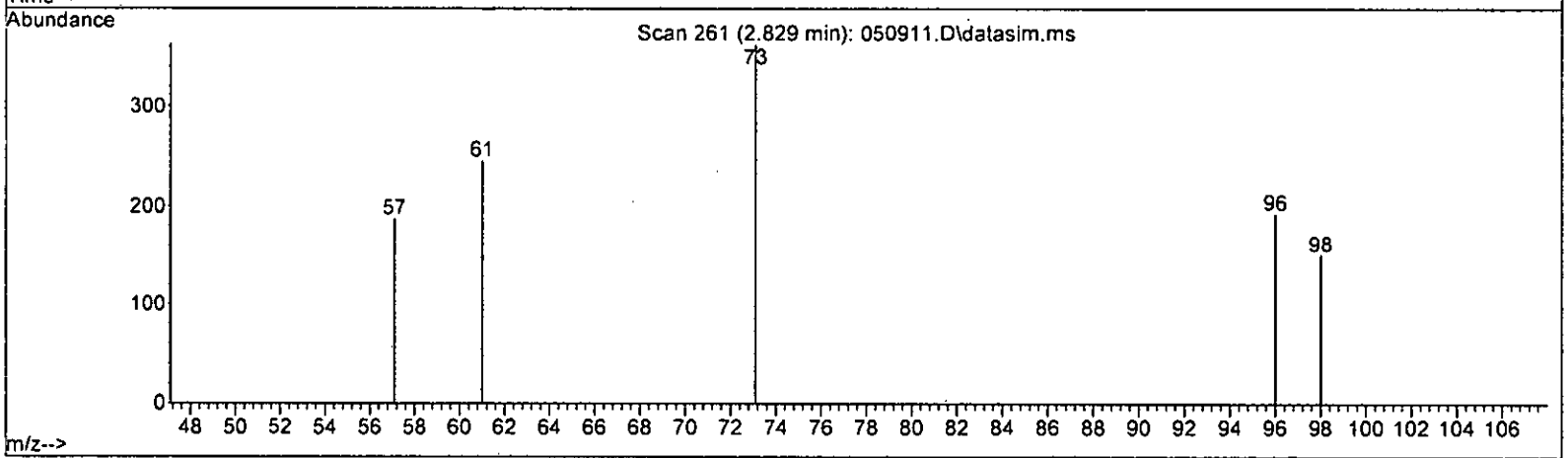
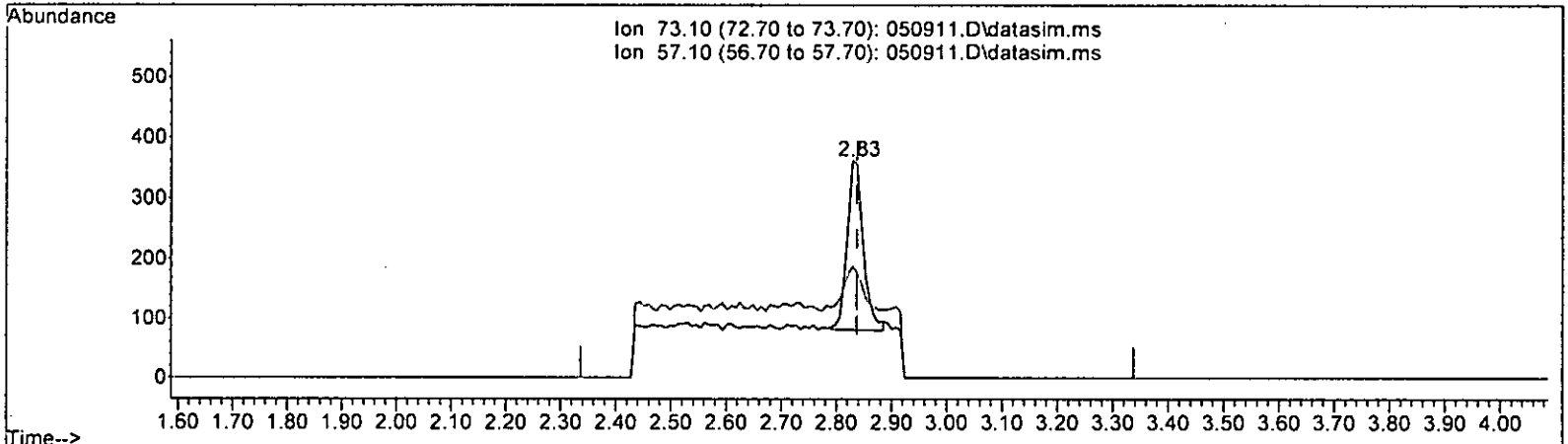
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 51.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

m S/W

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\V8050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050911.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.008) 0.041 ppb m

response 569

| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 51.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|--------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 152125 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 109296 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 57542 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 41911 | 9.717 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 97.20% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 8853 | 9.477 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 94.80% | | |
| 35) Toluene-d8 | 5.97 | 98 | 142880 | 9.611 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 96.10% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 53485 | 9.991 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 99.90% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | d | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | d | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.28 | 62 | 518m | 0.036 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | d | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | d | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | d | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 307 | 0.044 | ppb | | 94 |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 569m | 0.041 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 211 | 0.043 | ppb | | 93 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | d | | |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 446 | 0.044 | ppb | | 98 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | d | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 229 | 0.043 | ppb | | 95 |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | d | | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 602 | 0.047 | ppb | | 96 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 332 | 0.042 | ppb | | 89 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | d | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | d | | |
| 31] Benzene | 4.38 | 78 | 962 | 0.047 | ppb | | 97 |
| 32] Trichloroethene | 4.93 | 95 | 226 | 0.043 | ppb | | 89 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | d | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | d | | |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

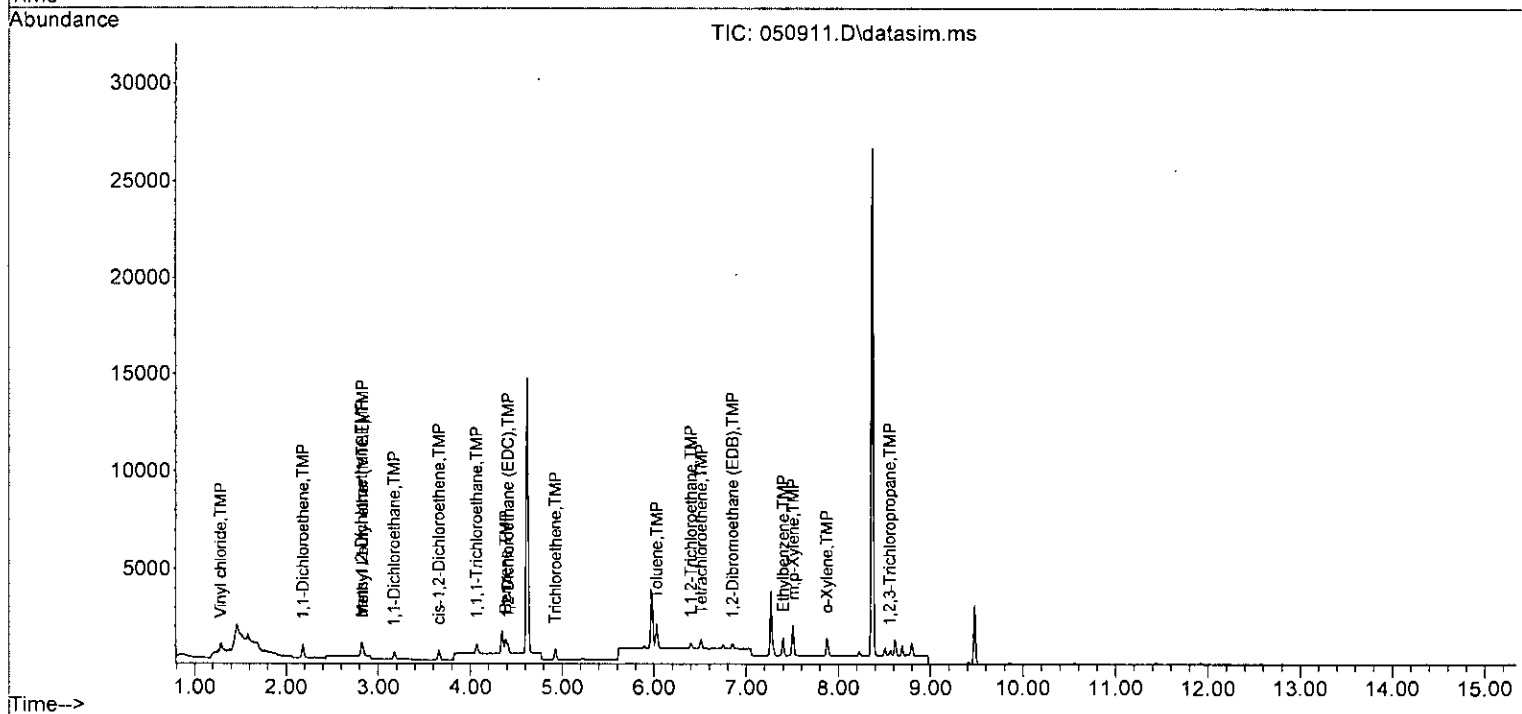
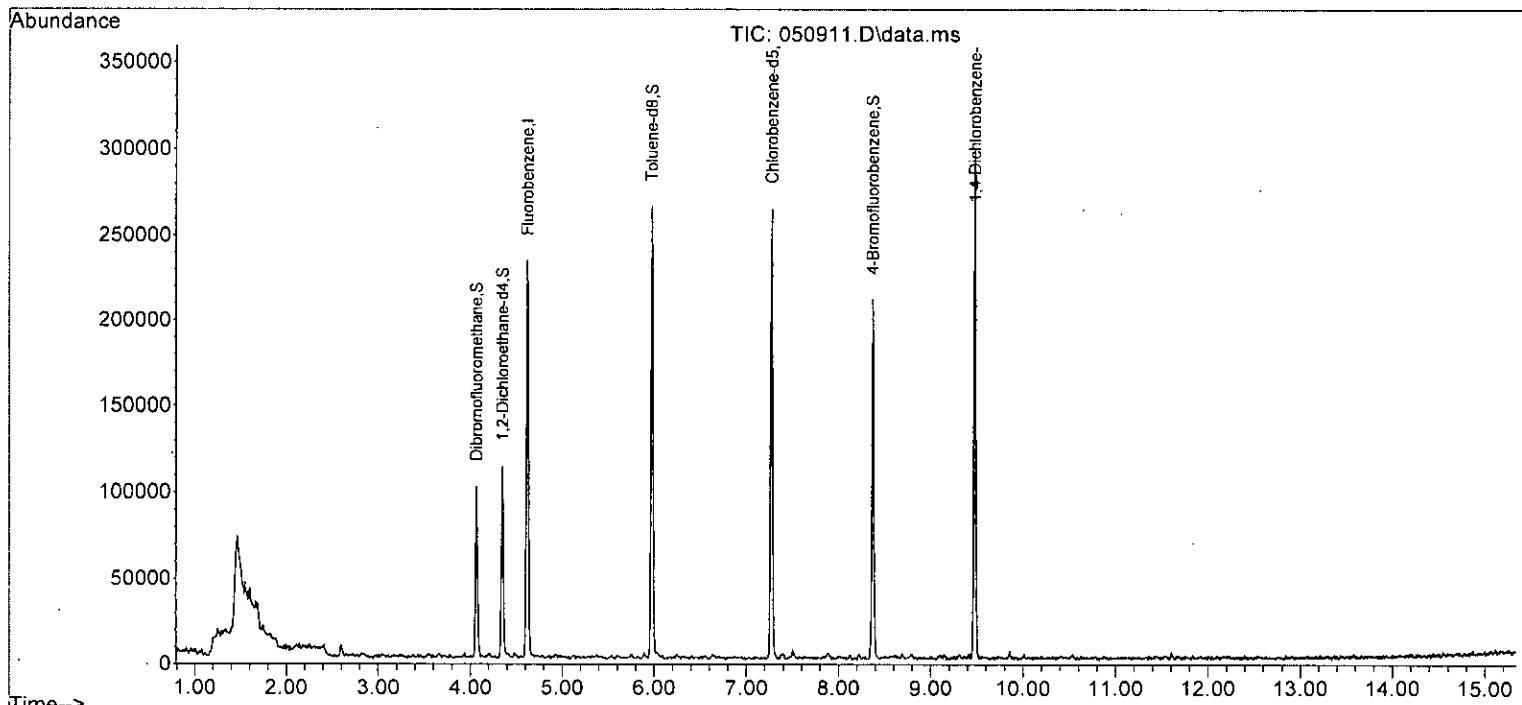
Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 40] Toluene | 6.03 | 92 | 618 | 0.042 | ppb | 95 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 166 | 0.045 | ppb | 83 |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | N.D. | d | |
| 45] Tetrachloroethene | 6.51 | 164 | 177 | 0.037 | ppb | 94 |
| 46) Dibromochloromethane | 0.00 | | 0 | N.D. | d | |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 216 | 0.050 | ppb | 96 |
| 48) Chlorobenzene | 0.00 | | 0 | N.D. | d | |
| 49] Ethylbenzene | 7.40 | 91 | 954 | 0.044 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 51] m,p-Xylene | 7.51 | 106 | 680 | 0.086 | ppb | 94 |
| 52] o-Xylene | 7.87 | 106 | 362 | 0.045 | ppb | 85 |
| 53) Styrene | 0.00 | | 0 | N.D. | d | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 55) Bromoform | 0.00 | | 0 | N.D. | d | |
| 58) n-Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | d | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 278 | 0.056 | ppb | 96 |
| 63) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | N.D. | d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | d | |
| 75) Naphthalene | 0.00 | | 0 | N.D. | d | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCM511

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -1.86# |
| 3 S Dibromofluoromethane | 10.000 | 9.717 | 2.8 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.09# |
| 5 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.22# |
| 6 TMP Vinyl chloride | 0.040 | 0.036 | 10.0 | 93 | -0.02 |
| 7 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.60# |
| 9 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.77# |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.39# |
| 11 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.040 | 0.044 | -10.0 | 100 | 0.00 |
| 13 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.05# |
| 14 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.040 | 0.041 | -2.5 | 102 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.040 | 0.044 | -10.0 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.54# |
| 21 TMP 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 23 TMP Chloroform | -1.000 | 0.000 | 0.0 | 0 | -3.94# |
| 24 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.040 | 0.047 | -17.5 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.040 | 0.042 | -5.0 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.22# |
| 29 TMP Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.477 | 5.2 | 100 | 0.00 |
| 31 TMP Benzene | 0.040 | 0.047 | -17.5 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.13# |
| 34 TMP Bromodichloromethane | -1.000 | 0.000 | 0.0 | 0 | -5.37# |
| 35 S Toluene-d8 | 10.000 | 9.611 | 3.9 | 100 | -0.01 |
| 36 TMP Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -5.75# |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.040 | 0.042 | -5.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.040 | 0.045 | -12.5 | 100 | 0.00 |
| 43 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq Dn : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.55# |
| 45 TMP Tetrachloroethene | 0.040 | 0.037 | 7.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.040 | 0.050 | -25.0# | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.30# |
| 49 TMP Ethylbenzene | 0.040 | 0.044 | -10.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.38# |
| 51 TMP m,p-Xylene | 0.080 | 0.086 | -7.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.040 | 0.045 | -12.5 | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -7.90# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.23# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.991 | 0.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.62# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.79# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | 0.040 | 0.056 | -40.0# | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.69# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.80# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.15# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.32# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.44# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.61# |
| 75 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -11.68# |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.92# |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -1.86# |
| 3 S Dibromofluoromethane | 0.284 | 0.276 | 2.8 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.000# | 100.0# | 0# | -1.09# |
| 5 TMP Chloromethane | 1.094 | 0.000# | 100.0# | 0# | -1.22# |
| 6 TMP Vinyl chloride | 0.946 | 0.851 | 10.0 | 93 | -0.02 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.000# | 100.0# | 0# | -1.60# |
| 9 TMP Trichlorofluoromethane | 1.105 | 0.000# | 100.0# | 0# | -1.77# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.39# |
| 11 TMP Acetone | 0.058 | 0.000# | 100.0# | 0# | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.505 | -9.3 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.000# | 100.0# | 0# | -3.05# |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.000# | 100.0# | 0# | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.935 | -3.0 | 102 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.347 | -7.8 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 0.000# | 100.0# | 0# | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.733 | -9.4 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.000# | 100.0# | 0# | -3.54# |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.000# | 100.0# | 0# | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.376 | -8.4 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.000# | 100.0# | 0# | -3.94# |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.000# | 100.0# | 0# | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.000# | 100.0# | 0# | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.989 | -55.0# | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.546 | -5.8 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.000# | 100.0# | 0# | -4.22# |
| 29 TMP Carbon tetrachloride | 0.334 | 0.000# | 100.0# | 0# | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.058 | 4.9 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.581 | -18.2 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.371 | -7.2 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.000# | 100.0# | 0# | -5.13# |
| 34 TMP Bromodichloromethane | 0.402 | 0.000# | 100.0# | 0# | -5.37# |
| 35 S Toluene-d8 | 0.977 | 0.939 | 3.9 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.000# | 100.0# | 0# | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.000# | 100.0# | 0# | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.000# | 100.0# | 0# | -5.75# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.414 | -28.4# | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.000# | 100.0# | 0# | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.380 | -13.1 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.000# | 100.0# | 0# | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050911.D
 Acq On : 09 May 2023 05:08 pm
 Operator :
 Sample : 0.04 ppb 8260 ICAL 69-40G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:35 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.000# | 100.0# | 0# | -6.55# |
| 45 TMP Tetrachloroethene | 0.364 | 0.405 | -11.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.000# | 100.0# | 0# | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.494 | -25.1# | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.000# | 100.0# | 0# | -7.30# |
| 49 TMP Ethylbenzene | 1.962 | 2.182 | -11.2 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.000# | 100.0# | 0# | -7.38# |
| 51 TMP m,p-Xylene | 0.721 | 0.778 | -7.9 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.828 | -12.8 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.000# | 100.0# | 0# | -7.90# |
| 54 TMP Isopropylbenzene | 1.626 | 0.000# | 100.0# | 0# | -8.23# |
| 55 TMP Bromoform | 0.243 | 0.000# | 100.0# | 0# | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 0.930 | 0.929 | 0.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 0.000# | 100.0# | 0# | -8.62# |
| 59 TMP Bromobenzene | 0.757 | 0.000# | 100.0# | 0# | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 0.000# | 100.0# | 0# | -8.79# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.000# | 100.0# | 0# | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 1.208 | -40.3# | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 0.000# | 100.0# | 0# | -8.69# |
| 64 TMP 4-Chlorotoluene | 2.676 | 0.000# | 100.0# | 0# | -8.80# |
| 65 TMP tert-Butylbenzene | 2.172 | 0.000# | 100.0# | 0# | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 0.000# | 100.0# | 0# | -9.15# |
| 67 TMP sec-Butylbenzene | 3.371 | 0.000# | 100.0# | 0# | -9.32# |
| 68 TMP p-Isopropyltoluene | 2.787 | 0.000# | 100.0# | 0# | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 0.000# | 100.0# | 0# | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 0.000# | 100.0# | 0# | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.000# | 100.0# | 0# | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.000# | 100.0# | 0# | -11.44# |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.000# | 100.0# | 0# | -11.61# |
| 75 TMP Naphthalene | 2.446 | 0.000# | 100.0# | 0# | -11.68# |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.000# | 100.0# | 0# | -11.92# |

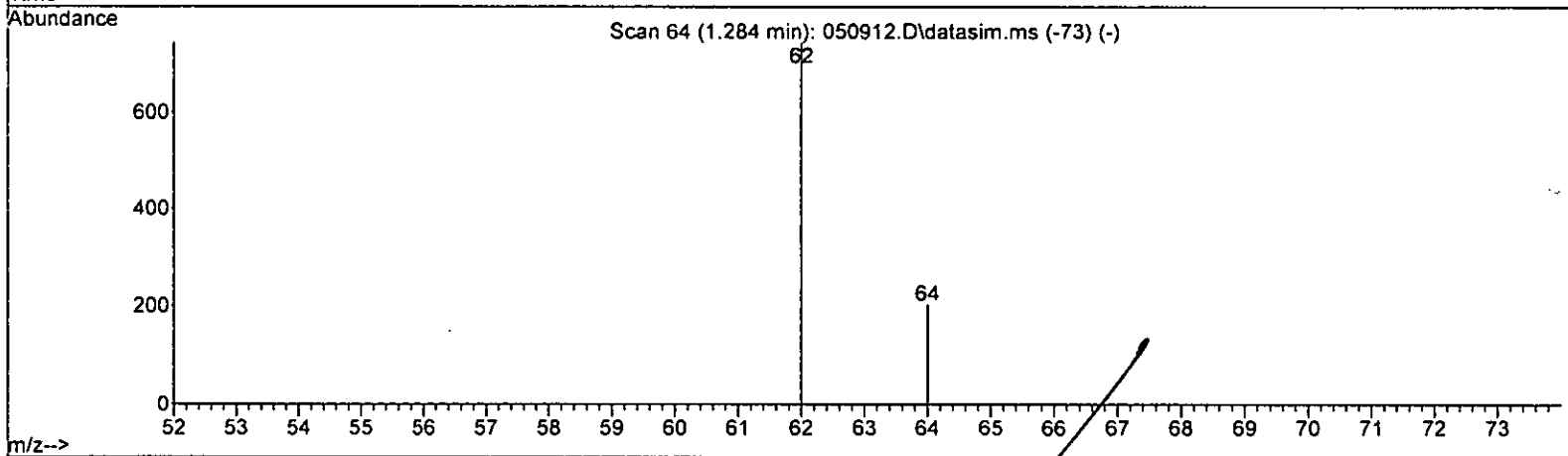
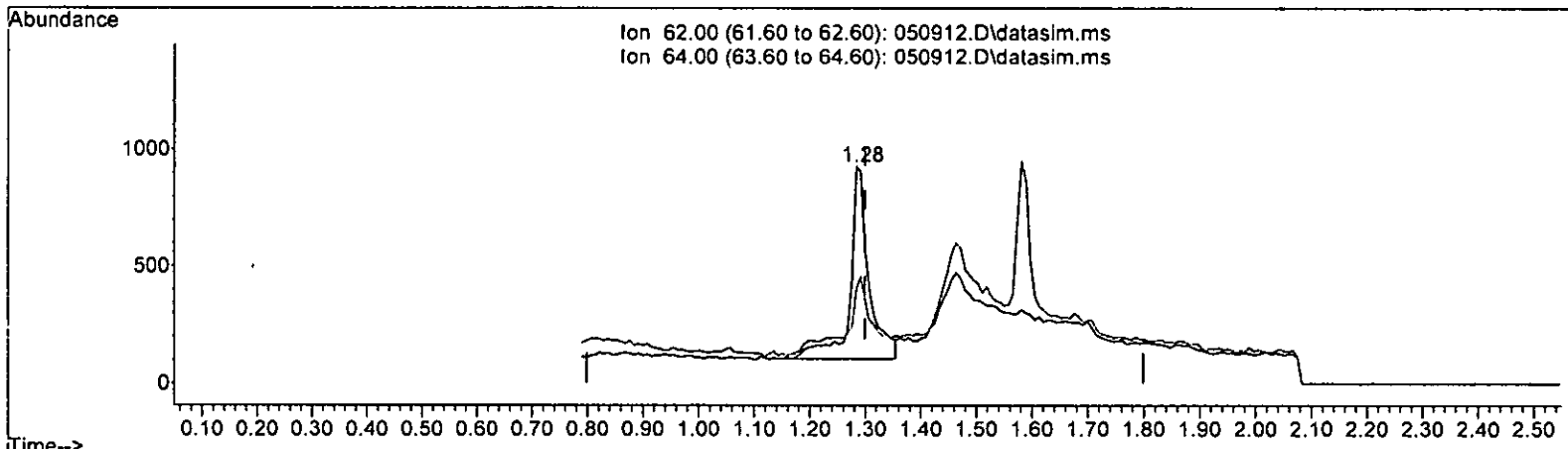
(#) = Out of Range

SPCC's out = 50 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB0S0923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(6) Vinyl chloride (TMP)

1.284min (-0.015) 0.140 ppb

response 1964

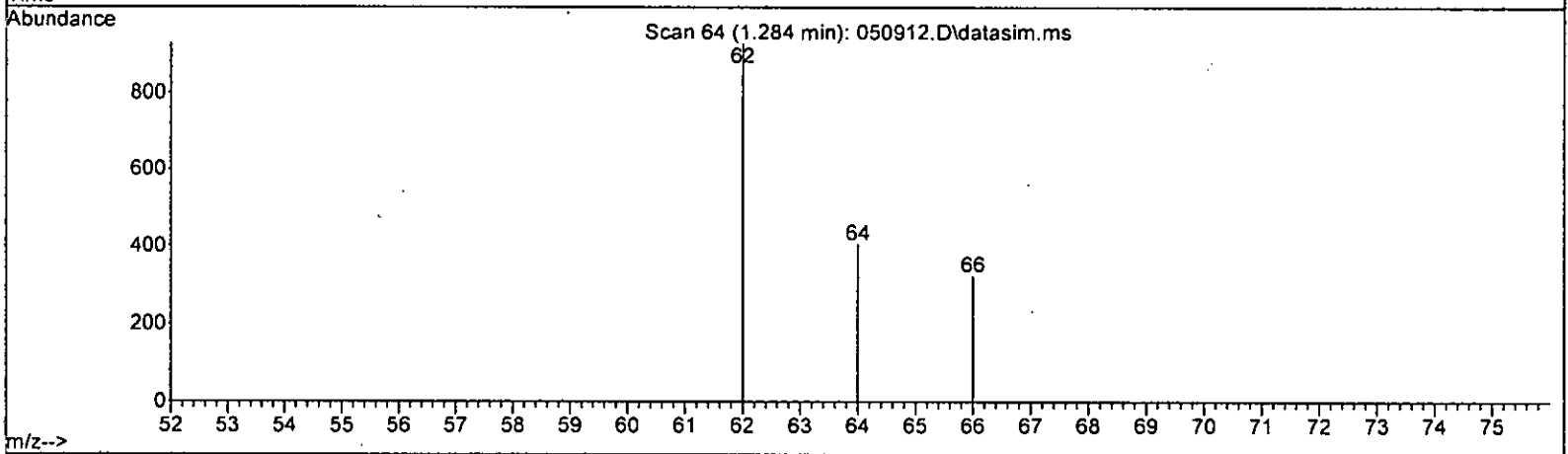
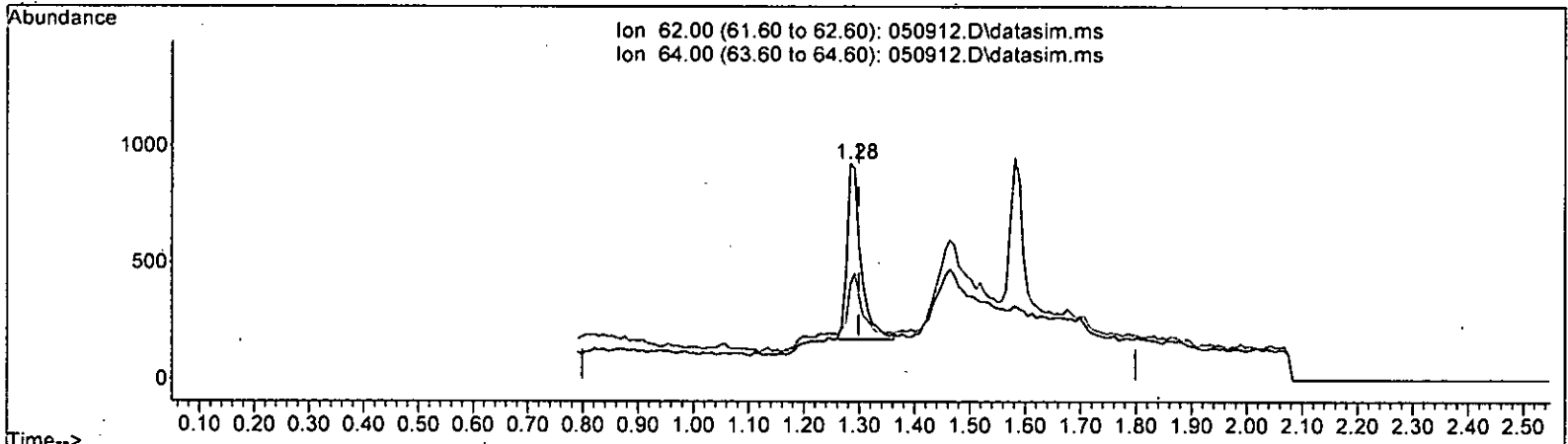
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 34.75 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(6) Vinyl chloride (TMP)

1.284min (-0.015) 0.094 ppb m

response 1316

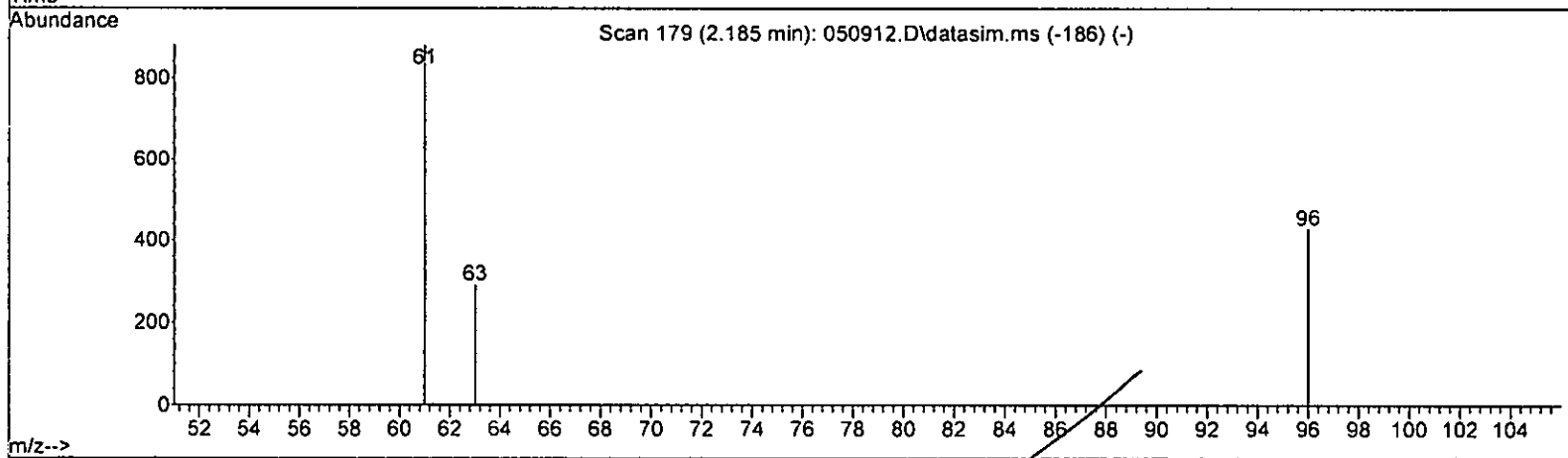
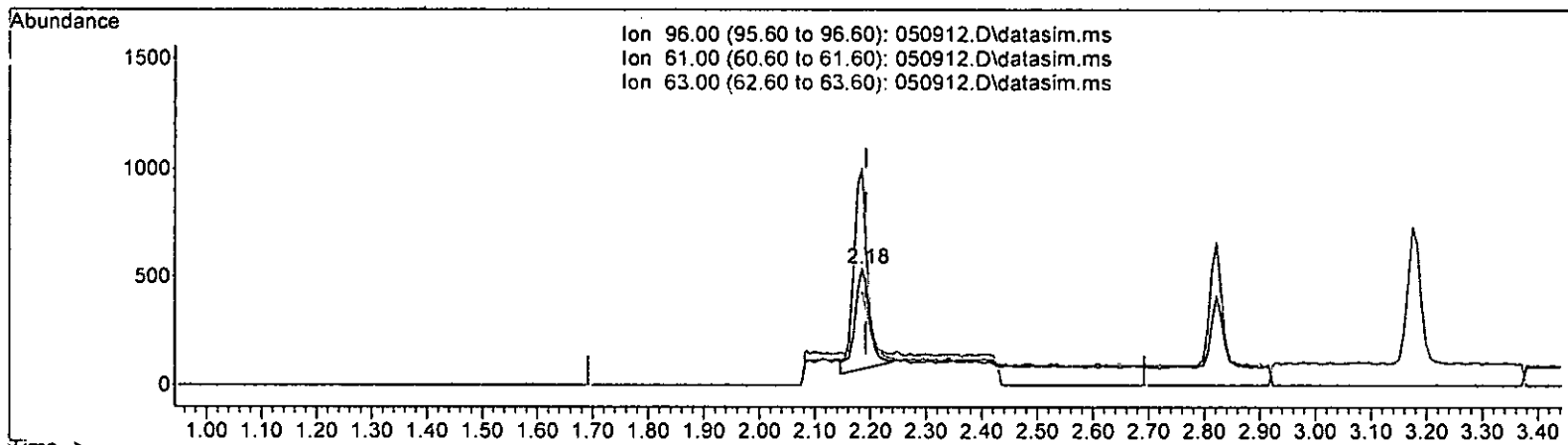
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 43.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/ID

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.007) 0.128 ppb

response 873

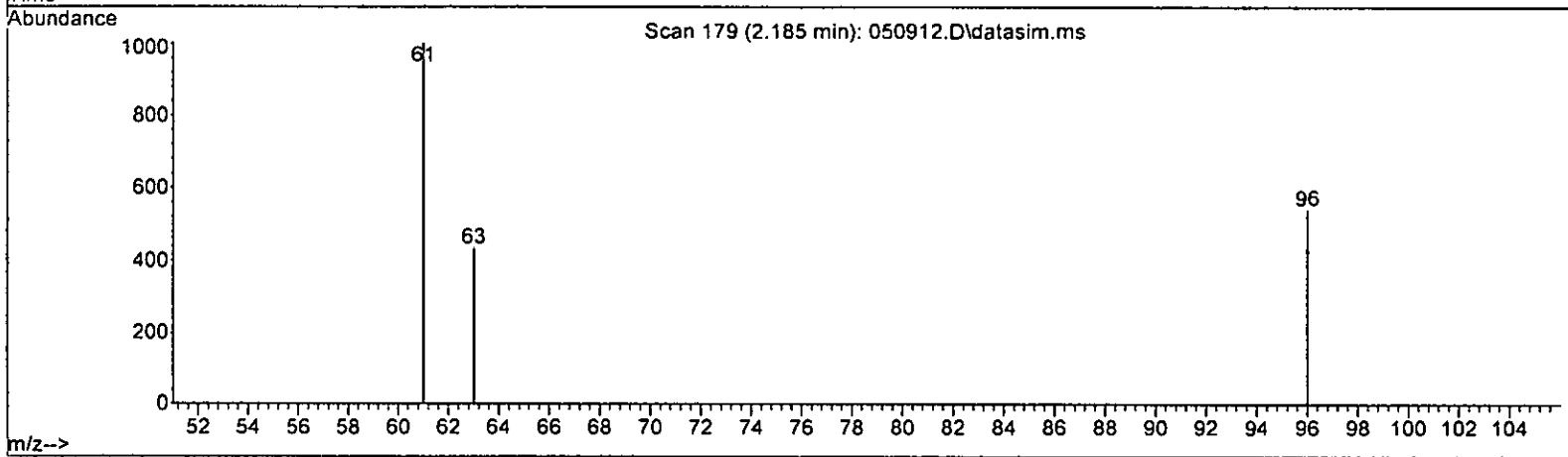
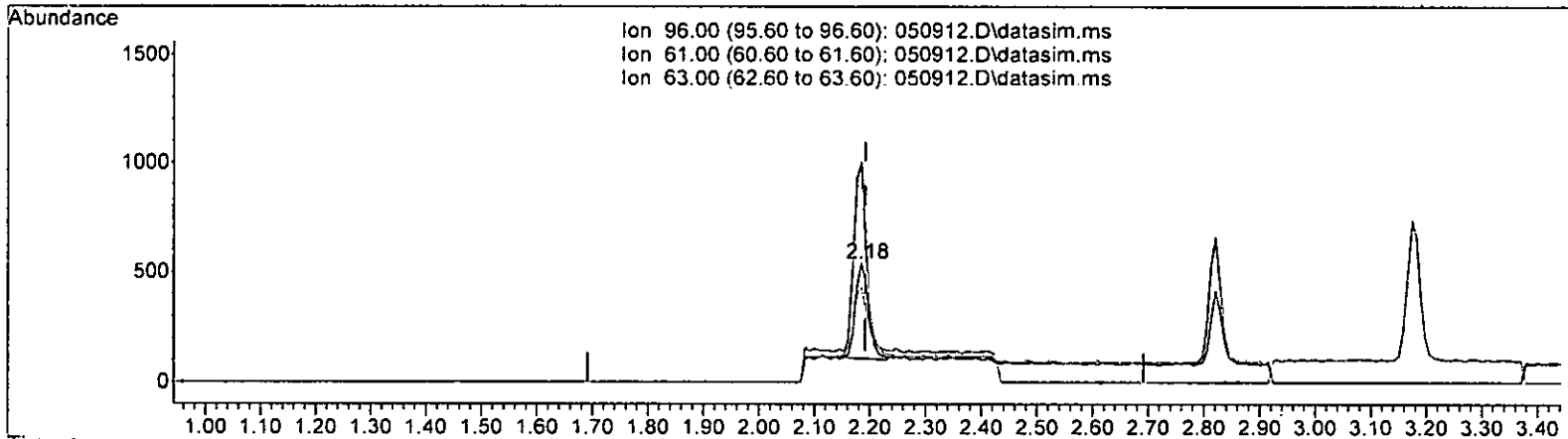
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 188.70 | 203.70 |
| 63.00 | 63.50 | 66.97 |
| 0.00 | 0.00 | 0.00 |

m 5/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.185min (-0.007) 0.104 ppb m

response 709

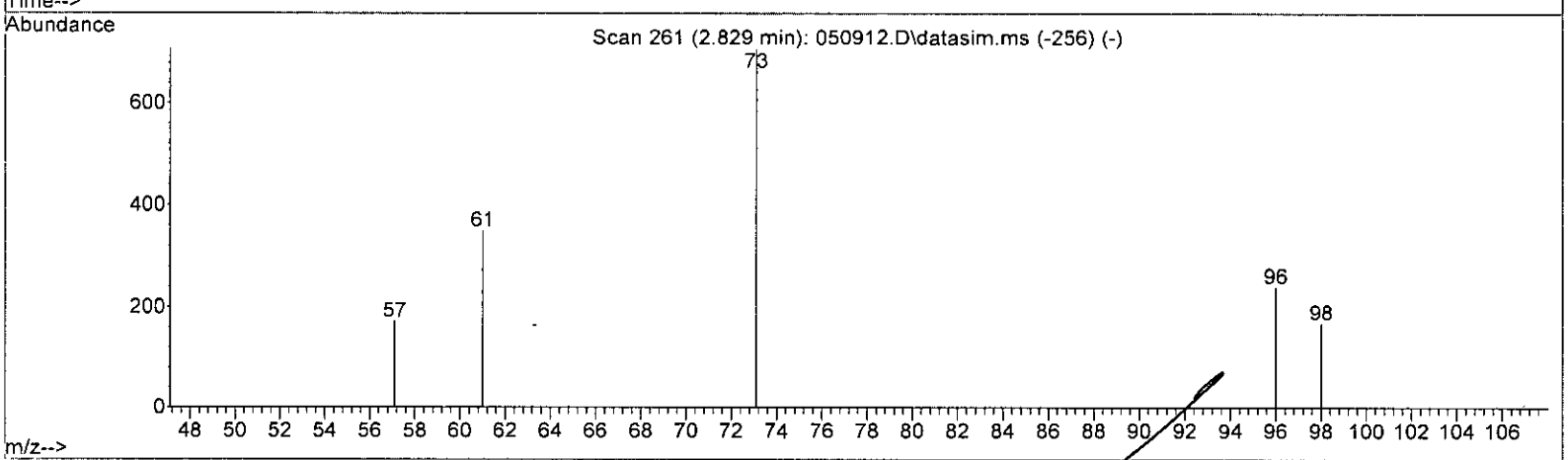
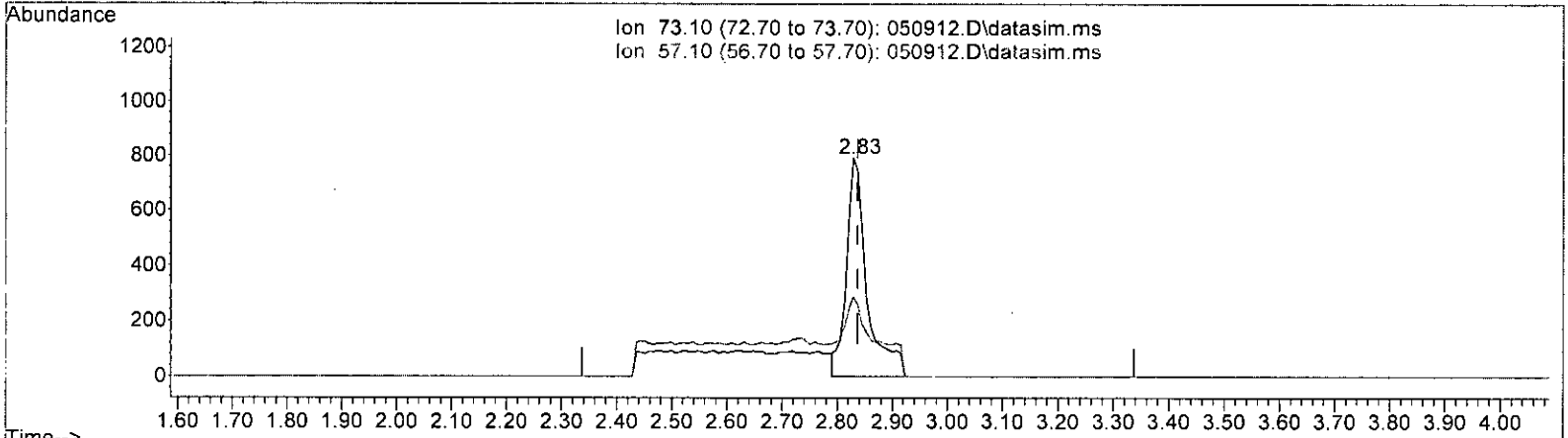
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 188.70 | 185.40 |
| 63.00 | 63.50 | 80.04 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.008) 0.152 ppb

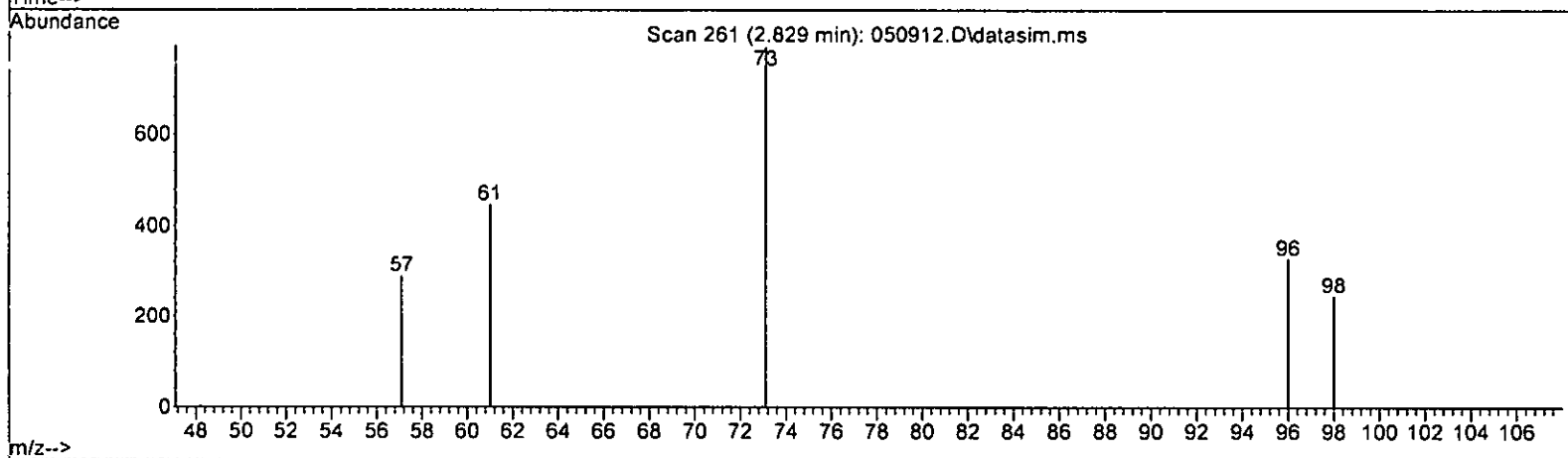
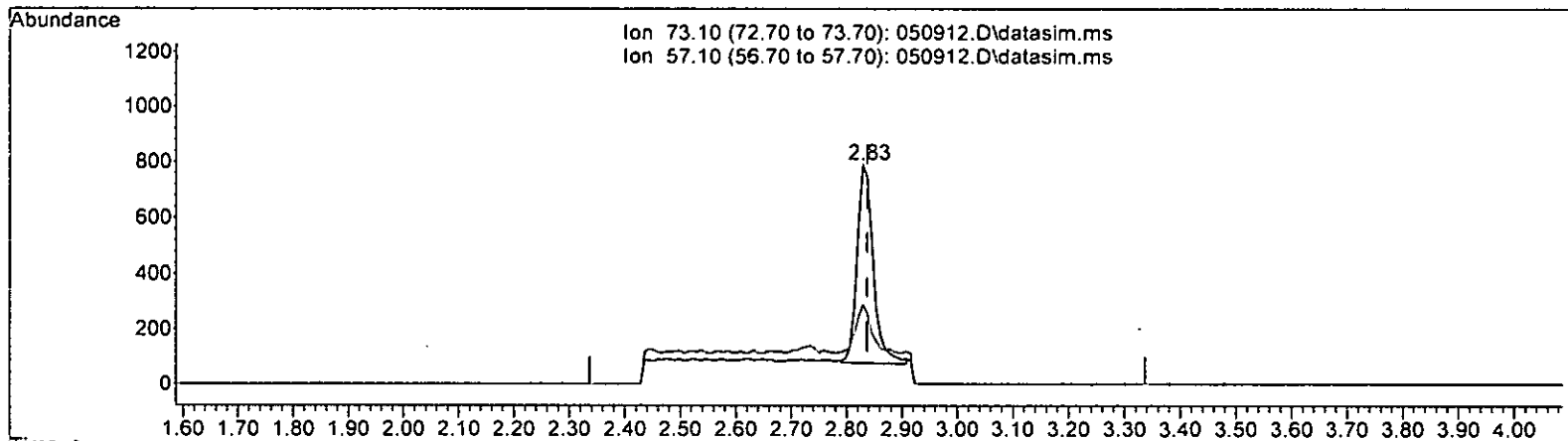
| response | 2043 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 36.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

m 5/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.829min (-0.008) 0.110 ppb m

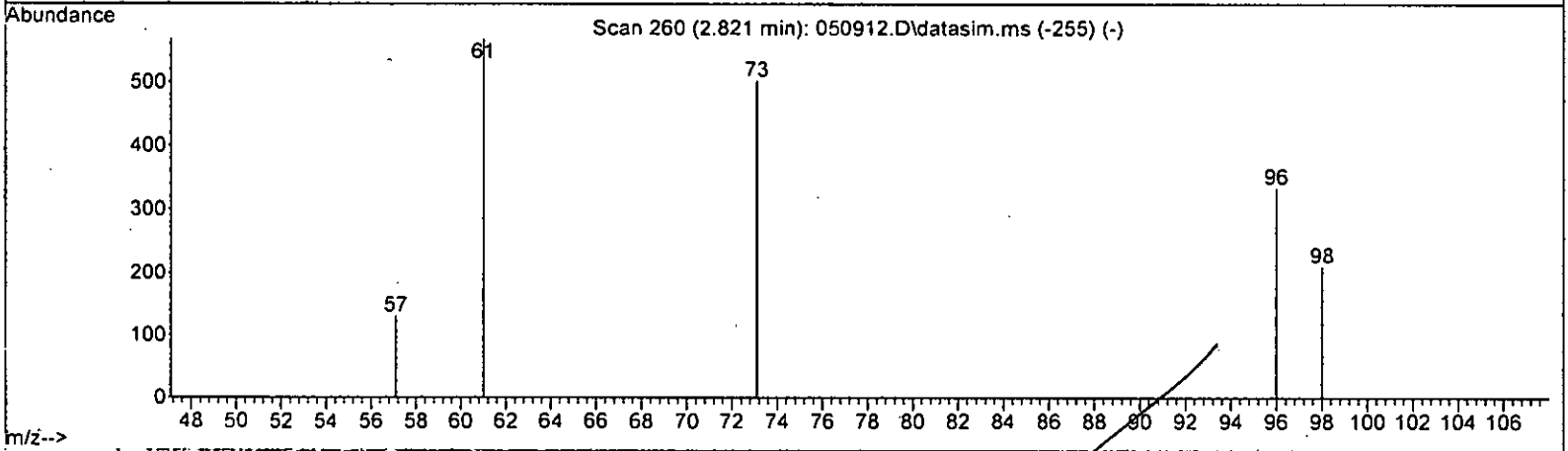
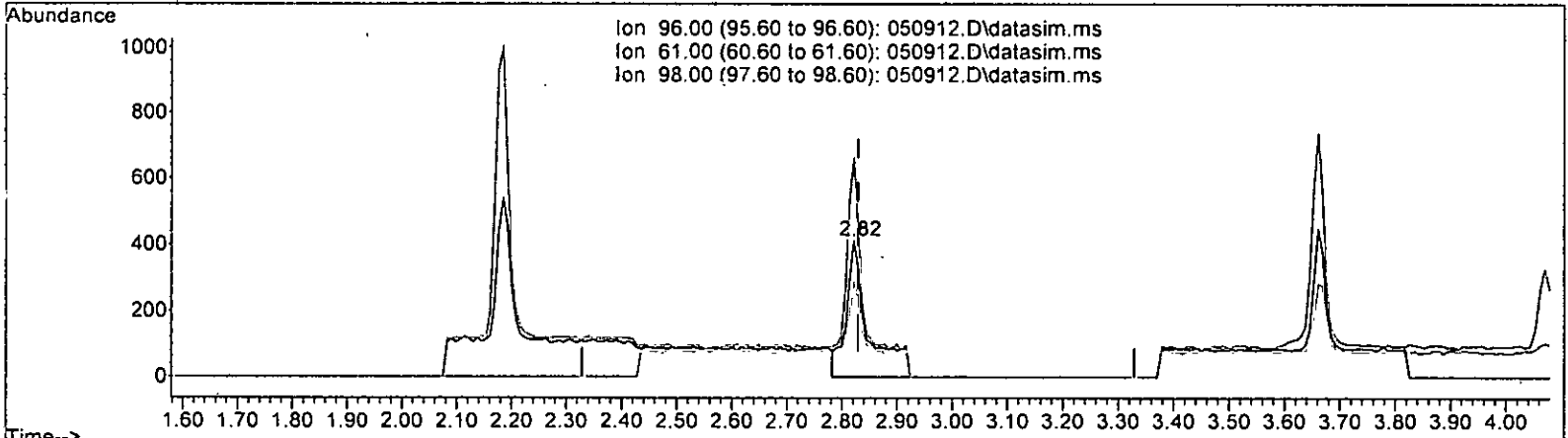
| response | 1473 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 36.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/W

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

(17) trans-1,2-Dichloroethene (TME)

2.821min (-0.008) 0.243 ppb

response 1158

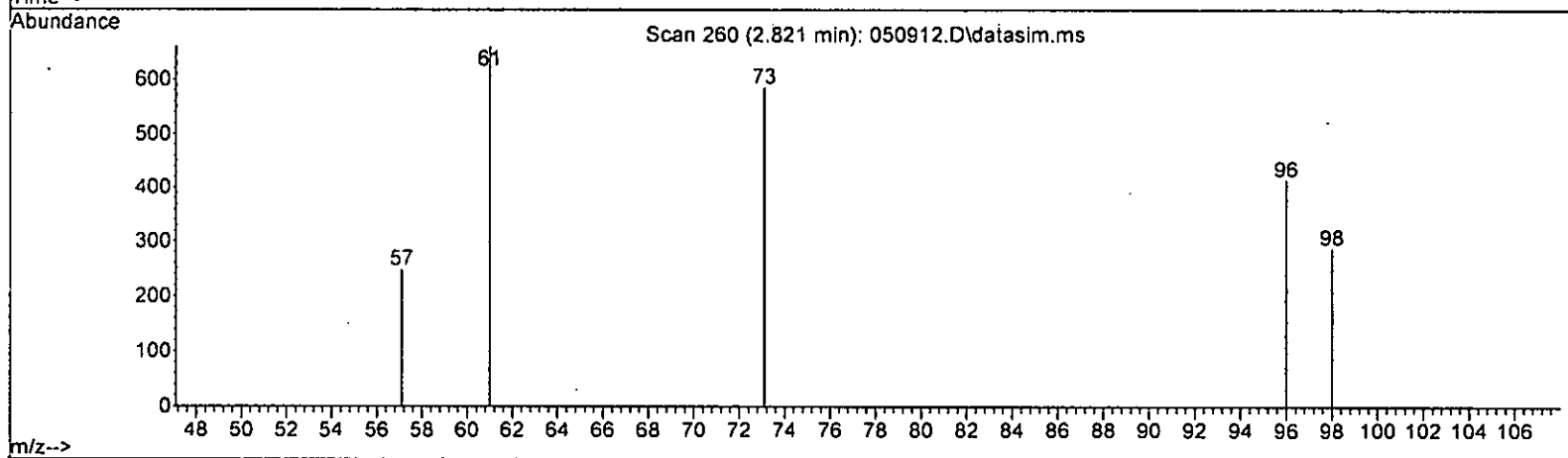
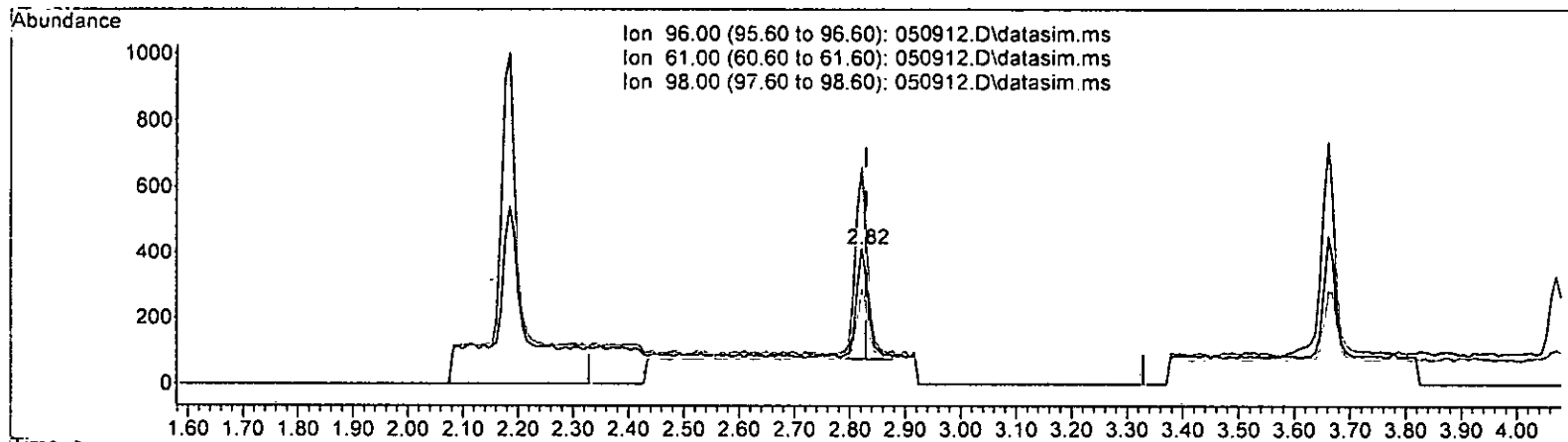
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 159.81 |
| 98.00 | 64.90 | 69.25 |
| 0.00 | 0.00 | 0.00 |

ms 5/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050912.D\data.ms

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

2.821min (-0.008) 0.111 ppb m

response 530

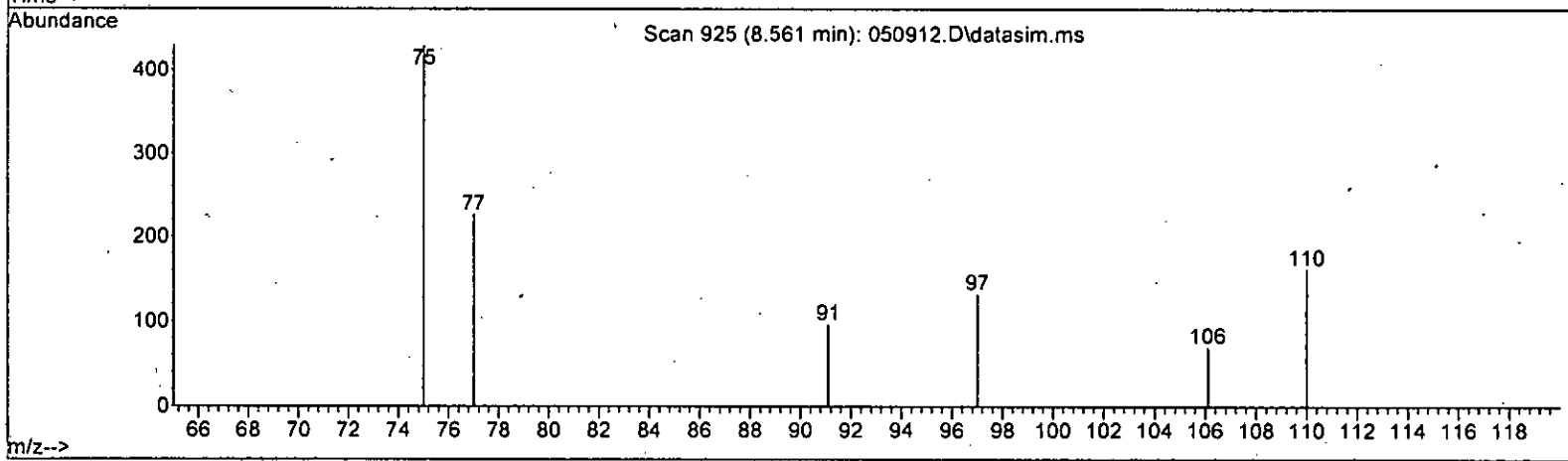
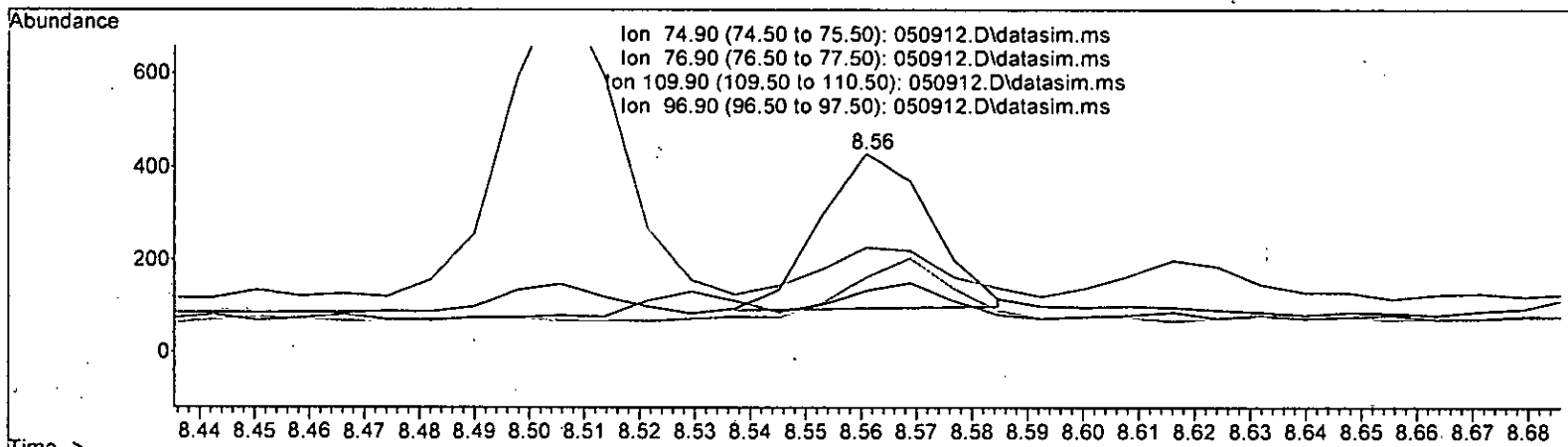
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 159.81 |
| 98.00 | 64.90 | 69.25 |
| 0.00 | 0.00 | 0.00 |

m 9/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



TIC: 050912.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.561min (-0.000) 0.092 ppb m

response 464

| Ion | Exp% | Act% |
|--------|--------|--------|
| 74.90 | 100.00 | 100.00 |
| 76.90 | 28.10 | 52.68 |
| 109.90 | 24.50 | 37.53 |
| 96.90 | 15.90 | 30.77 |

accidental deletion missed

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 148023 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 107692 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 58242 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 41827 | 9.966 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 99.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9933 | 10.927 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 109.30% | |
| 35) Toluene-d8 | 5.97 | 98 | 142523 | 9.853 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 98.50% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 55944 | 10.325 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 103.30% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | d | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | d | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.28 | 62 | 1316m | 0.094 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | d | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | d | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | d | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 709m | 0.104 | ppb | | |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 1473m | 0.110 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 530m | 0.111 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | d | | |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 1025 | 0.103 | ppb | | 96 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | d | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 529 | 0.103 | ppb | | 90 |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | d | | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 1008 | 0.100 | ppb | | 96 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 786 | 0.103 | ppb | | 92 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | d | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | d | | |
| 31] Benzene | 4.38 | 78 | 2093 | 0.106 | ppb | | 96 |
| 32] Trichloroethene | 4.93 | 95 | 535 | 0.104 | ppb | | 92 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | d | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | d | | |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

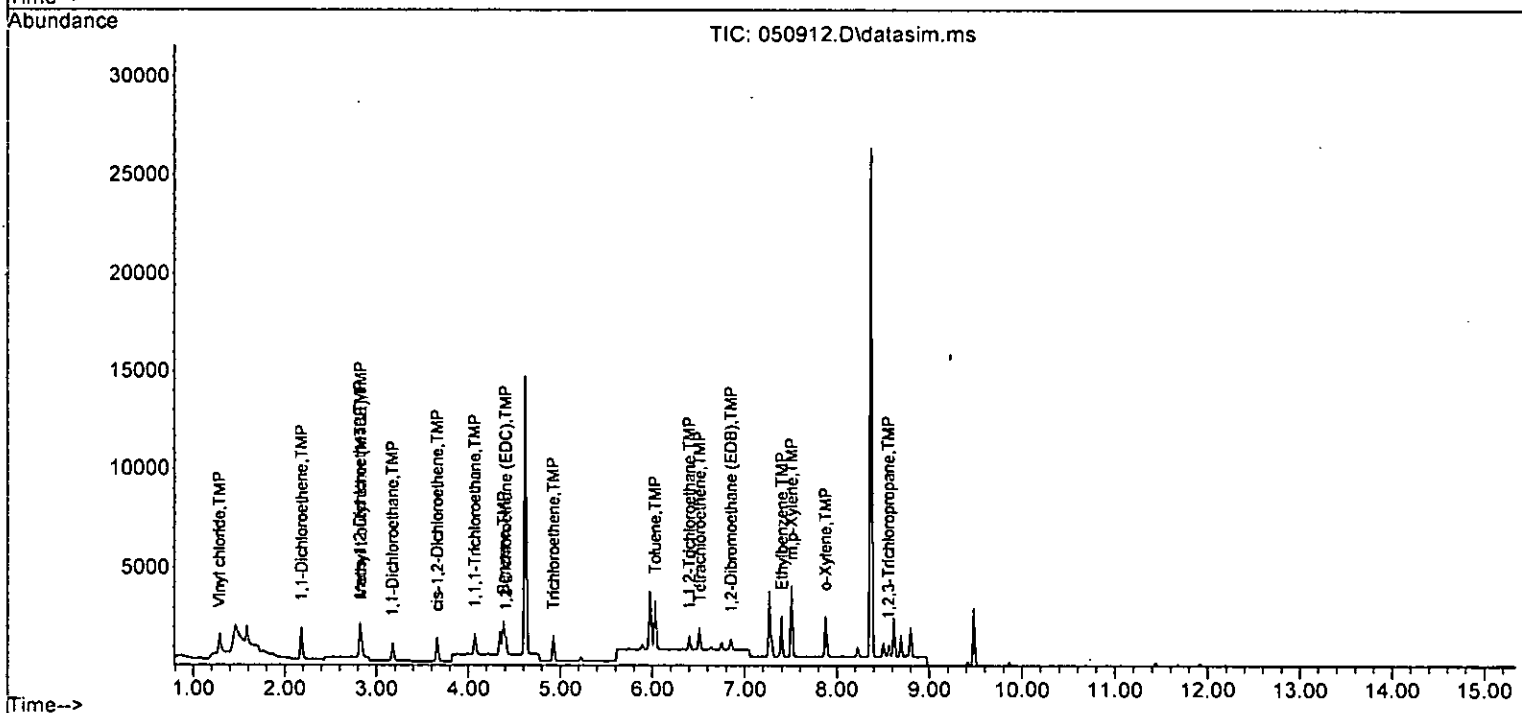
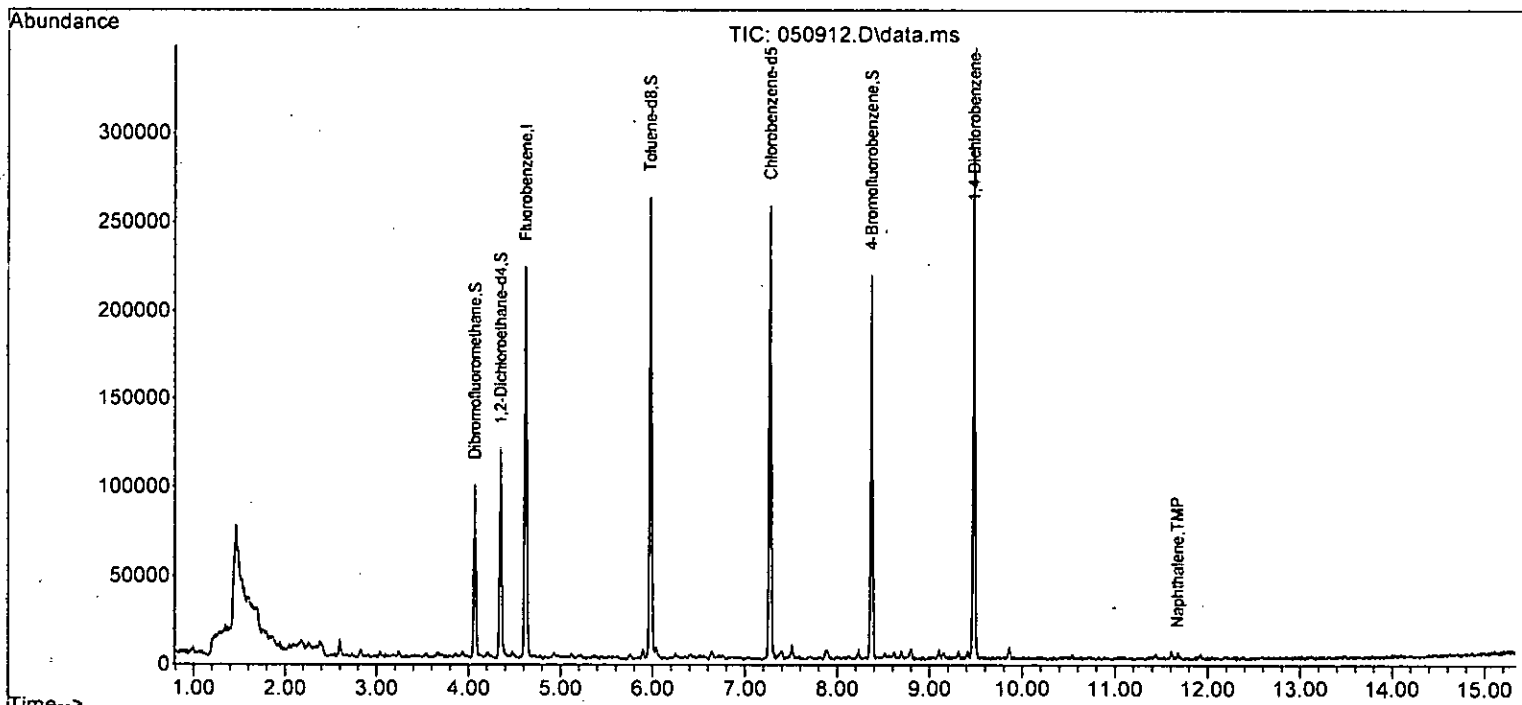
Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 40] Toluene | 6.03 | 92 | 1200 | 0.097 | ppb | 97 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 369 | 0.102 | ppb | 96 |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | N.D. | d | |
| 45] Tetrachloroethene | 6.51 | 164 | 399 | 0.098 | ppb | 95 |
| 46) Dibromochloromethane | 0.00 | | 0 | N.D. | d | |
| 47] 1,2-Dibromoethane (ED8) | 6.85 | 107 | 428 | 0.101 | ppb | 89 |
| 48) Chlorobenzene | 0.00 | | 0 | N.D. | d | |
| 49] Ethylbenzene | 7.40 | 91 | 2151 | 0.102 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 51] m,p-Xylene | 7.51 | 106 | 1571 | 0.202 | ppb | 96 |
| 52] o-Xylene | 7.87 | 106 | 785 | 0.099 | ppb # | 76 |
| 53) Styrene | 0.00 | | 0 | N.D. | d | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 55) Bromoform | 0.00 | | 0 | N.D. | d | |
| 58) n-Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | d | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 464m | 0.092 | ppb | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | N.D. | d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | d | |
| 75) Naphthalene | 11.68 | 128 | 1532 | 0.108 | ppb | 67 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -1.86# |
| 3 S Dibromofluoromethane | 10.000 | 9.966 | 0.3 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.09# |
| 5 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.22# |
| 6 TMP Vinyl chloride | 0.100 | 0.094 | 6.0 | 99 | -0.02 |
| 7 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.60# |
| 9 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.77# |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.39# |
| 11 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.100 | 0.104 | -4.0 | 96 | 0.00 |
| 13 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.05# |
| 14 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.100 | 0.110 | -10.0 | 101 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.100 | 0.111 | -11.0 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.100 | 0.103 | -3.0 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.54# |
| 21 TMP 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.100 | 0.103 | -3.0 | 100 | 0.00 |
| 23 TMP Chloroform | -1.000 | 0.000 | 0.0 | 0 | -3.94# |
| 24 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.100 | 0.100 | 0.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.100 | 0.103 | -3.0 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.22# |
| 29 TMP Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.927 | -9.3 | 100 | 0.00 |
| 31 TMP Benzene | 0.100 | 0.106 | -6.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.100 | 0.104 | -4.0 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.13# |
| 34 TMP Bromodichloromethane | -1.000 | 0.000 | 0.0 | 0 | -5.37# |
| 35 S Toluene-d8 | 10.000 | 9.853 | 1.5 | 100 | -0.01 |
| 36 TMP Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -5.75# |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.100 | 0.097 | 3.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.100 | 0.102 | -2.0 | 100 | 0.00 |
| 43 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.55# |
| 45 TMP Tetrachloroethene | 0.100 | 0.098 | 2.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.100 | 0.101 | -1.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.30# |
| 49 TMP Ethylbenzene | 0.100 | 0.102 | -2.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.38# |
| 51 TMP m,p-Xylene | 0.200 | 0.202 | -1.0 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.100 | 0.099 | 1.0 | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -7.90# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.23# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.325 | -3.2 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.62# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.79# |
| 61 TMP 1,1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | 0.100 | 0.092 | 8.0 | 85 | 0.00 |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.69# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.80# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.15# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.32# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.44# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.61# |
| 75 TMP Naphthalene | 0.100 | 0.108 | -8.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.92# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -1.86# |
| 3 S Dibromofluoromethane | 0.284 | 0.283 | 0.4 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.000# | 100.0# | 0# | -1.09# |
| 5 TMP Chloromethane | 1.094 | 0.000# | 100.0# | 0# | -1.22# |
| 6 TMP Vinyl chloride | 0.946 | 0.889 | 6.0 | 99 | -0.02 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.000# | 100.0# | 0# | -1.60# |
| 9 TMP Trichlorofluoromethane | 1.105 | 0.000# | 100.0# | 0# | -1.77# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.39# |
| 11 TMP Acetone | 0.058 | 0.000# | 100.0# | 0# | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.479 | -3.7 | 96 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.000# | 100.0# | 0# | -3.05# |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.000# | 100.0# | 0# | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.995 | -9.6 | 101 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.358 | -11.2 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 0.000# | 100.0# | 0# | -3.24# |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.692 | -3.3 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.000# | 100.0# | 0# | -3.54# |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.000# | 100.0# | 0# | -3.66# |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.357 | -2.9 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.000# | 100.0# | 0# | -3.94# |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.000# | 100.0# | 0# | -3.70# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.000# | 100.0# | 0# | -4.49# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.681 | -6.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.531 | -2.9 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.000# | 100.0# | 0# | -4.22# |
| 29 TMP Carbon tetrachloride | 0.334 | 0.000# | 100.0# | 0# | -4.21# |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.067 | -9.8 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.414 | -5.8 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.361 | -4.3 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.000# | 100.0# | 0# | -5.13# |
| 34 TMP Bromodichloromethane | 0.402 | 0.000# | 100.0# | 0# | -5.37# |
| 35 S Toluene-d8 | 0.977 | 0.963 | 1.4 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.000# | 100.0# | 0# | -5.23# |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.000# | 100.0# | 0# | -5.89# |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.000# | 100.0# | 0# | -5.75# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.114 | -1.2 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.000# | 100.0# | 0# | -6.25# |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.343 | -2.1 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.000# | 100.0# | 0# | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050912.D
 Acq On : 09 May 2023 05:31 pm
 Operator :
 Sample : 0.1 ppb 8260 ICAL 69-40H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:38 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.000# | 100.0# | 0# | -6.55# |
| 45 TMP Tetrachloroethene | 0.364 | 0.371 | -1.9 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.000# | 100.0# | 0# | -6.75# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.397 | -0.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.000# | 100.0# | 0# | -7.30# |
| 49 TMP Ethylbenzene | 1.962 | 1.997 | -1.8 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.000# | 100.0# | 0# | -7.38# |
| 51 TMP m,p-Xylene | 0.721 | 0.729 | -1.1 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.729 | 0.7 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.000# | 100.0# | 0# | -7.90# |
| 54 TMP Isopropylbenzene | 1.626 | 0.000# | 100.0# | 0# | -8.23# |
| 55 TMP Bromoform | 0.243 | 0.000# | 100.0# | 0# | -8.07# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.961 | -3.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 0.000# | 100.0# | 0# | -8.62# |
| 59 TMP Bromobenzene | 0.757 | 0.000# | 100.0# | 0# | -8.51# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 0.000# | 100.0# | 0# | -8.79# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.000# | 100.0# | 0# | -8.53# |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.797 | 7.4 | 85 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 0.000# | 100.0# | 0# | -8.69# |
| 64 TMP 4-Chlorotoluene | 2.676 | 0.000# | 100.0# | 0# | -8.80# |
| 65 TMP tert-Butylbenzene | 2.172 | 0.000# | 100.0# | 0# | -9.10# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 0.000# | 100.0# | 0# | -9.15# |
| 67 TMP sec-Butylbenzene | 3.371 | 0.000# | 100.0# | 0# | -9.32# |
| 68 TMP p-Isopropyltoluene | 2.787 | 0.000# | 100.0# | 0# | -9.46# |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.41# |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 0.000# | 100.0# | 0# | -9.50# |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 0.000# | 100.0# | 0# | -9.86# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.000# | 100.0# | 0# | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.000# | 100.0# | 0# | -11.44# |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.000# | 100.0# | 0# | -11.61# |
| 75 TMP Naphthalene | 2.446 | 2.630 | -7.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.000# | 100.0# | 0# | -11.92# |

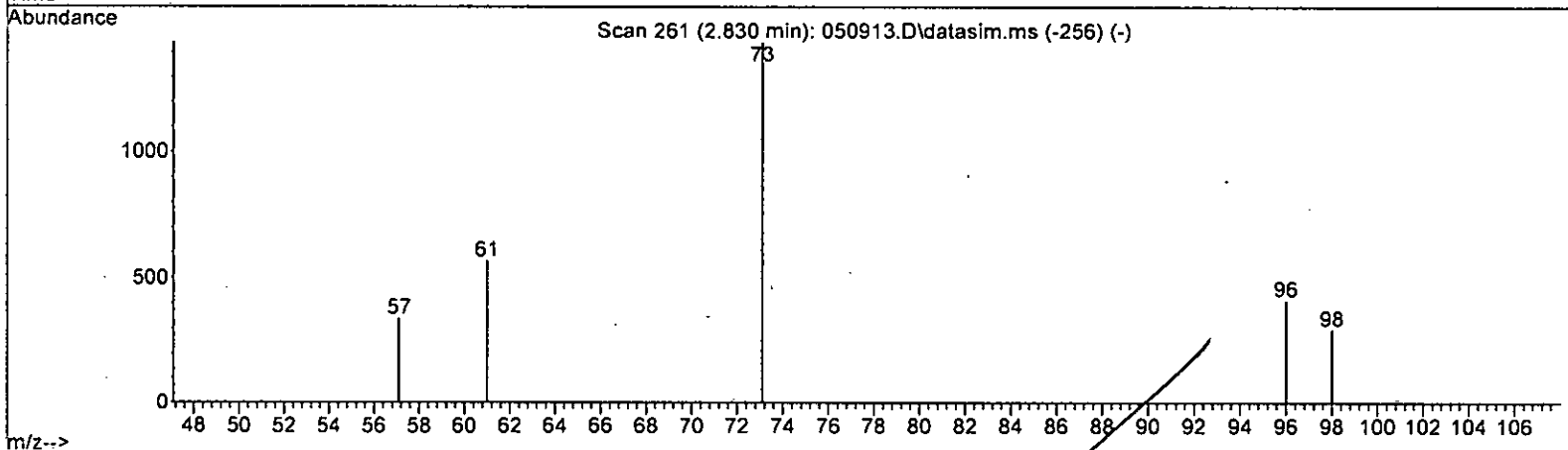
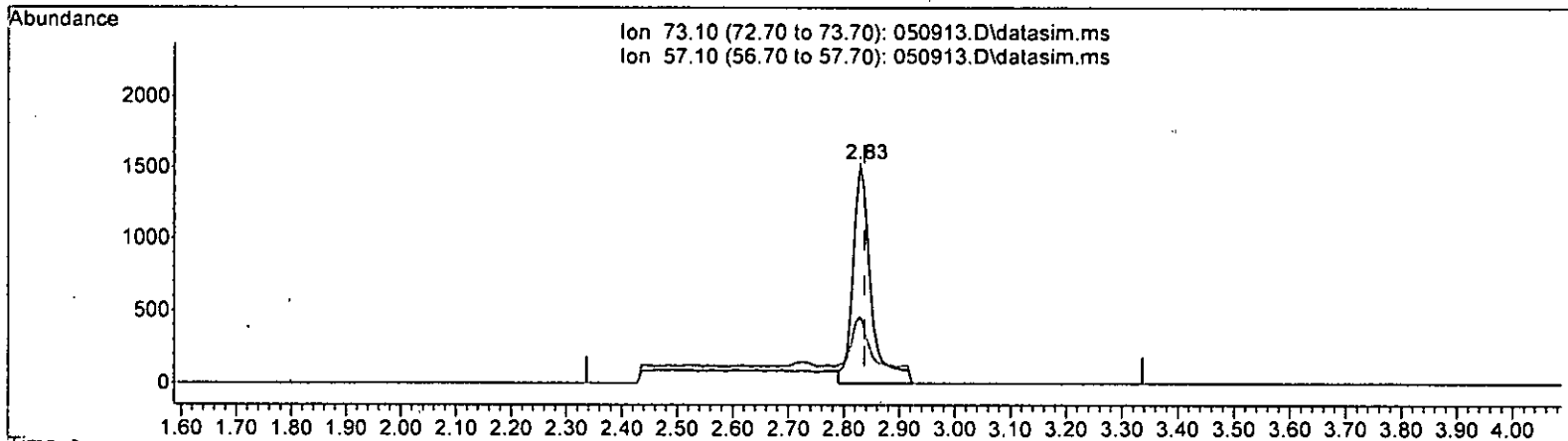
(#) = Out of Range

SPCC's out = 49 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050913.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.830min (-0.007) 0.247 ppb

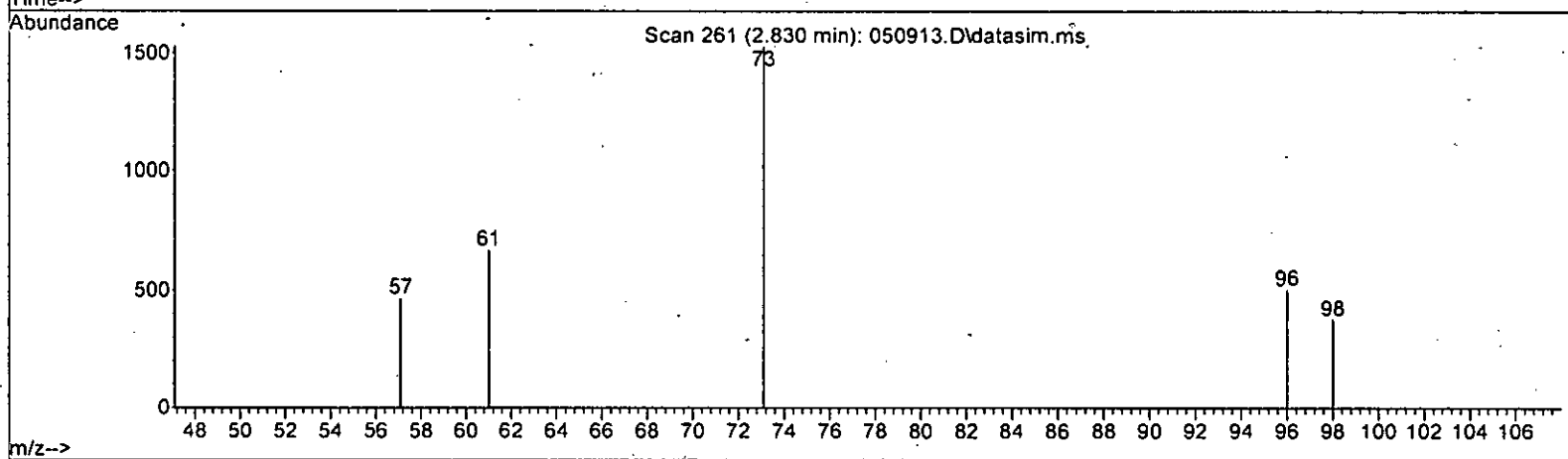
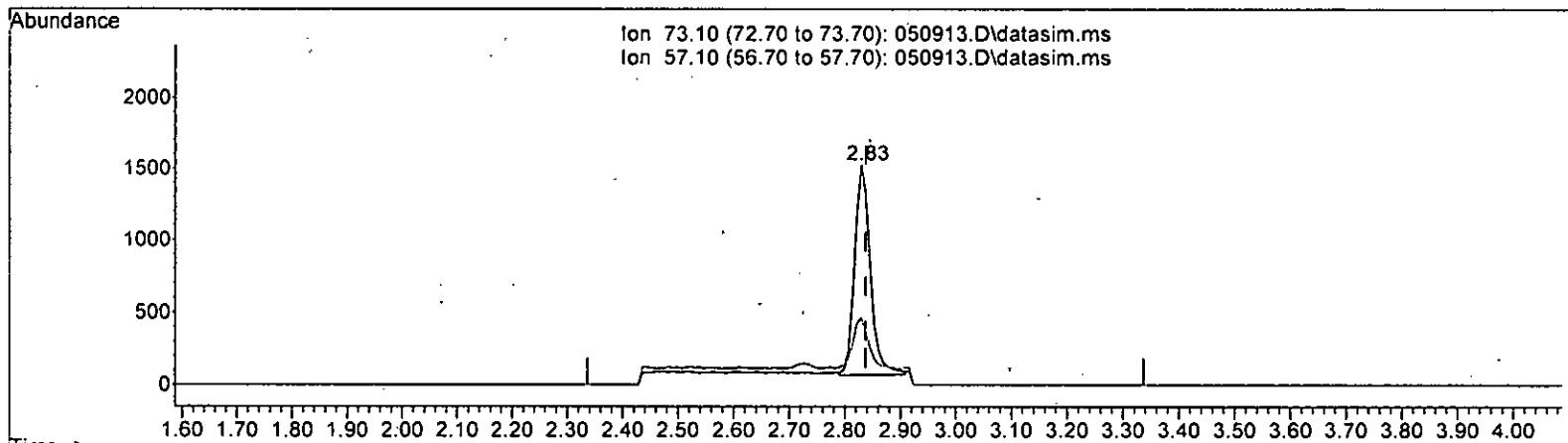
| response | 3400 |
|----------|---------------|
| Ion | Exp% Act% |
| 73.10 | 100.00 100.00 |
| 57.10 | 22.30 30.36 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

m/s/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050913.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.830min (-0.007) 0.207 ppb m

response 2852

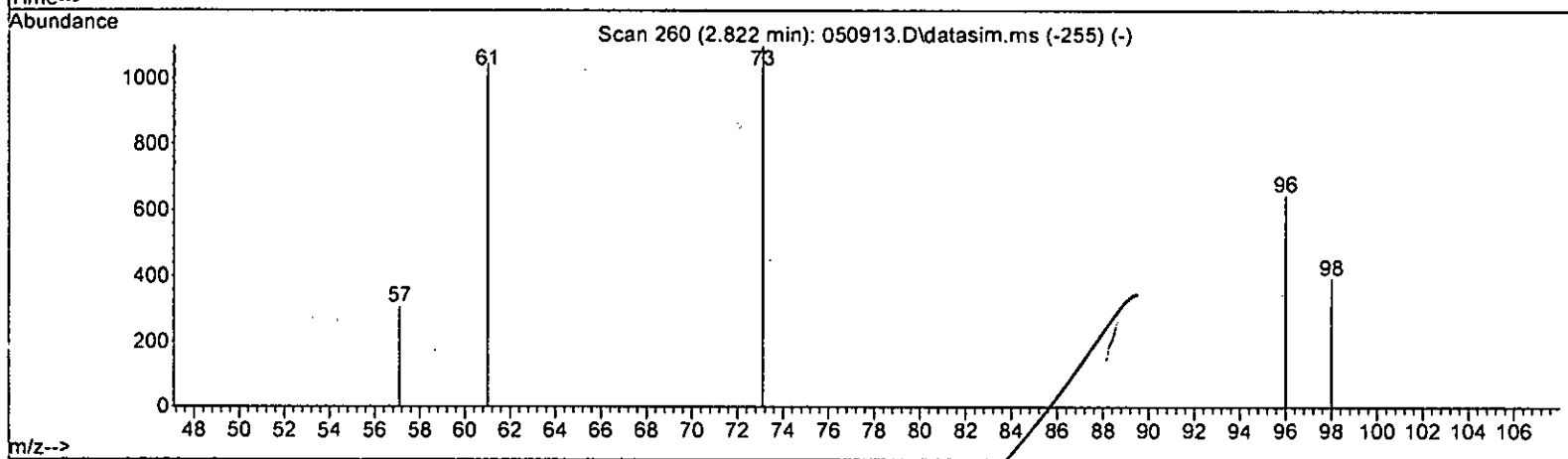
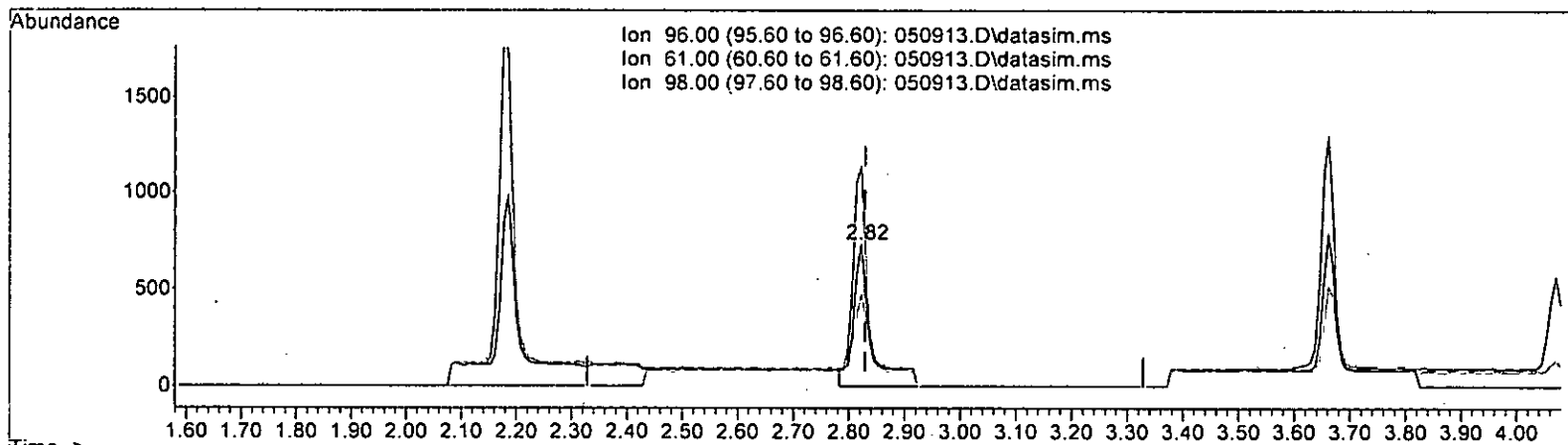
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 30.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050913.D\data.ms

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

2.822min (-0.007) 0.334 ppb

response 1630

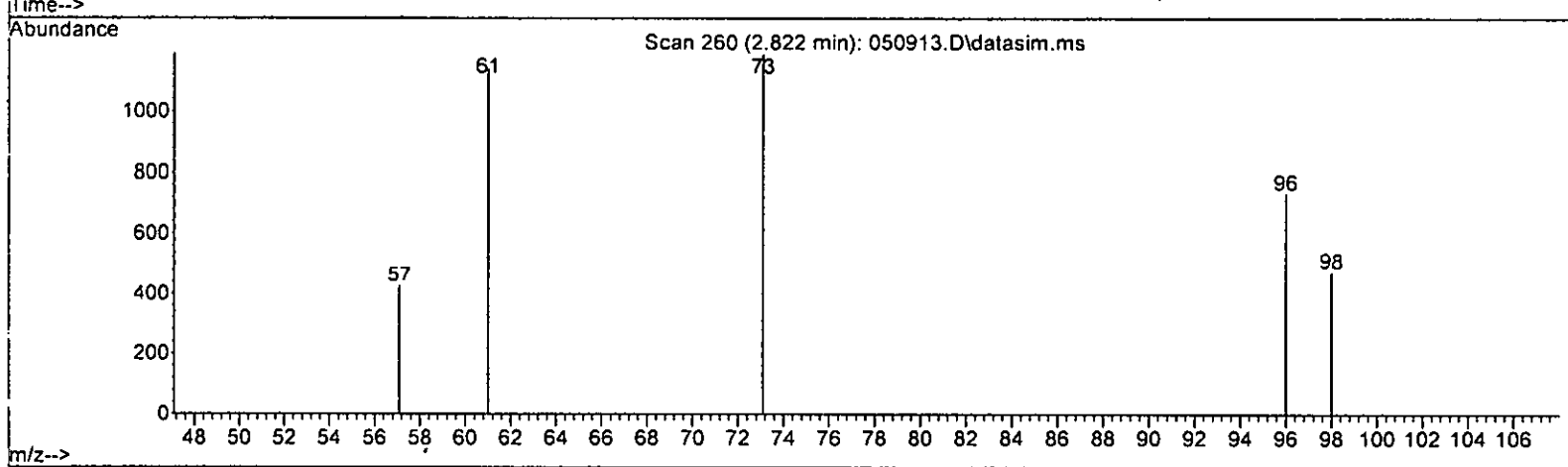
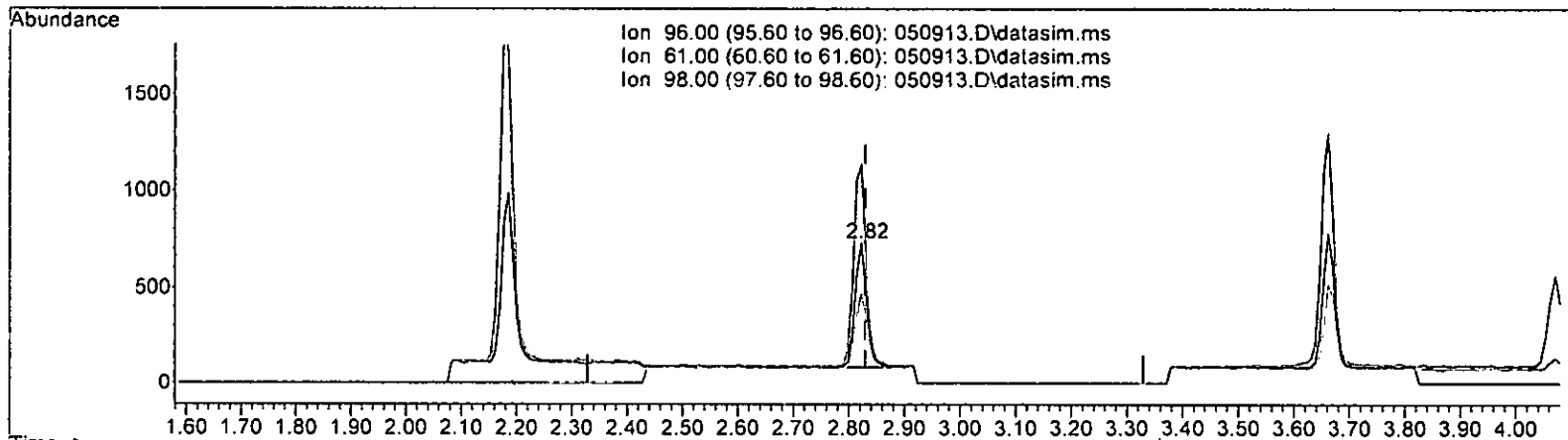
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 155.54 |
| 98.00 | 64.90 | 64.57 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050913.D\data.ms

(17) trans-1,2-Dichloroethene (TMP) *m 5/10*

2.822min (-0.007) 0.194 ppb m

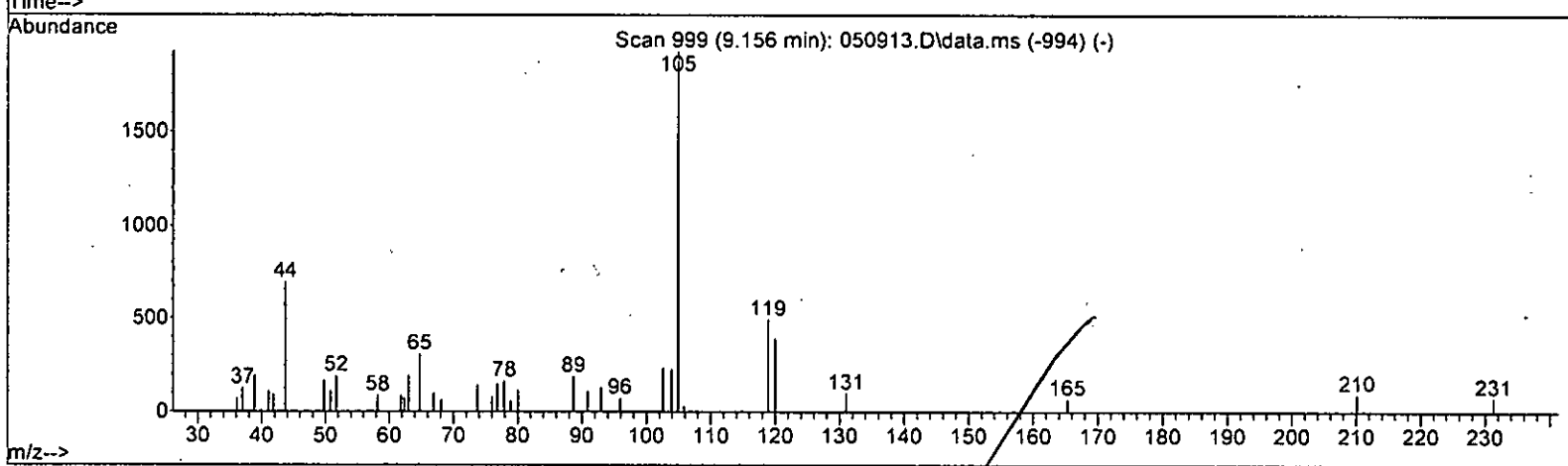
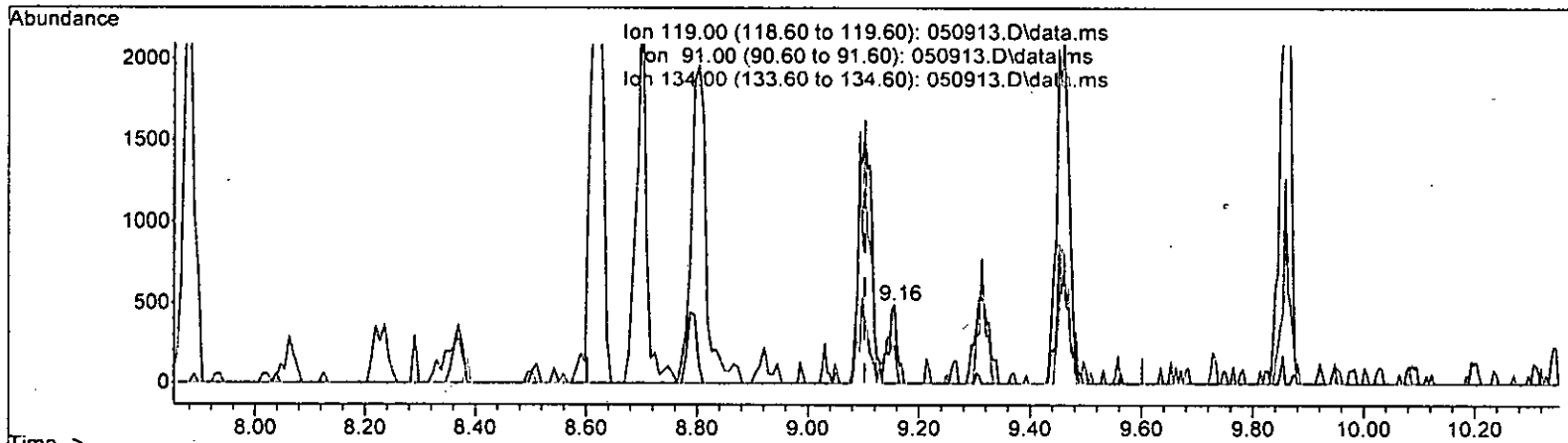
response 949

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 155.54 |
| 98.00 | 64.90 | 64.57 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



TIC: 050913.D\data.ms

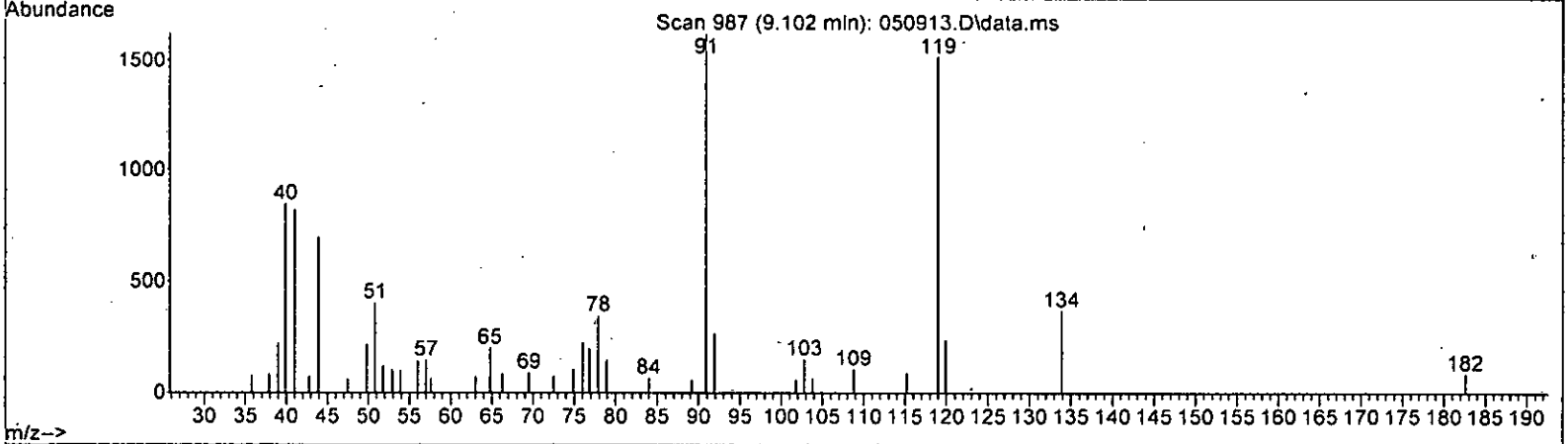
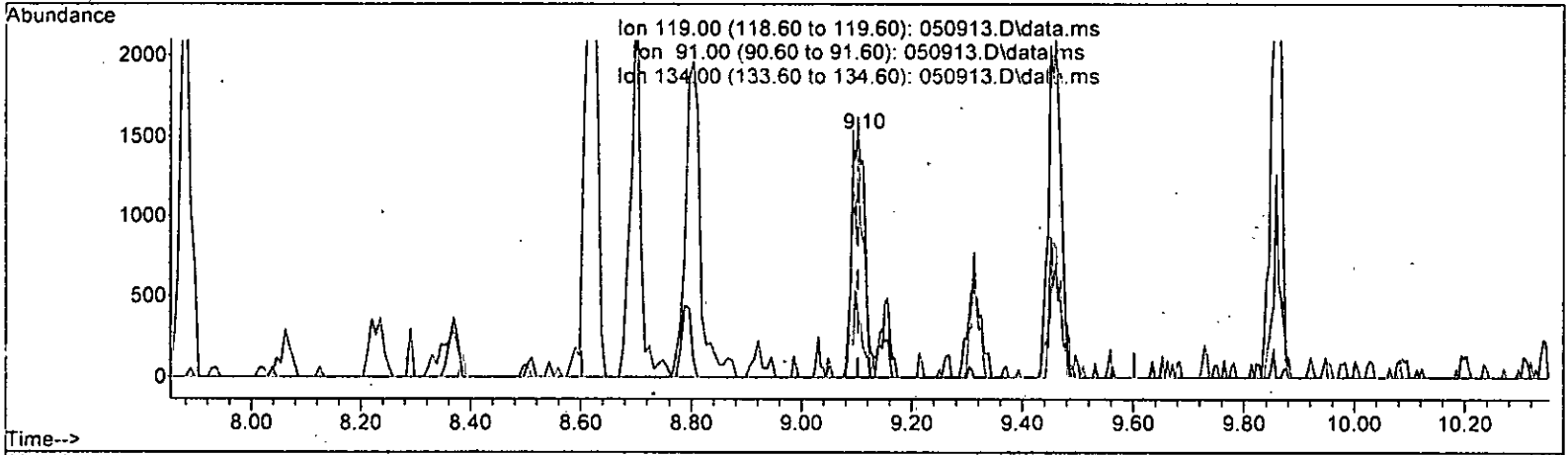
| (65) tert-Butylbenzene (TBP) | | |
|------------------------------|-----------|--------|
| 9.156min (+ 0.054) | 0.042 ppb | |
| response | 524 | |
| Ion | Exp% | Act% |
| 119.00 | 100.00 | 100.00 |
| 91.00 | 70.90 | 48.37 |
| 134.00 | 22.60 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050913.D\data.ms

(65) *tert*-Butylbenzene (TMP)

9.102min (-0.000) 0.200 ppb m

response 2486

| Ion | Exp% | Act% |
|--------|--------|---------|
| 119.00 | 100.00 | 100.00 |
| 91.00 | 70.90 | 106.71# |
| 134.00 | 22.60 | 24.09 |
| 0.00 | 0.00 | 0.00 |

MS/10

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 151569 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 109431 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 57191 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 43095 | 10.028 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 100.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 8065 | 8.665 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 86.60% | |
| 35) Toluene-d8 | 5.97 | 98 | 143580 | 9.694 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 96.90% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 55375 | 10.408 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 104.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 1.87 | 45 | 196 | No Calib | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | d | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.28 | 62 | 2818 | 0.197 | ppb | | 94 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | d | | |
| 9) Trichlorofluoromethane | 1.76 | 101 | 4178 | 0.250 | ppb | | 96 |
| 10) 2-Propanol | 2.39 | 45 | 3667 | No Calib | | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 1385 | 0.198 | ppb | | 97 |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 2852m | 0.207 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 949m | 0.194 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 3699 | 0.219 | ppb | | 81 |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 2049 | 0.202 | ppb | | 100 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 986 | 0.192 | ppb | # | 57 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 1619 | 0.274 | ppb | | 87 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 1054 | 0.201 | ppb | | 95 |
| 23) Chloroform | 3.94 | 83 | 2624 | 0.288 | ppb | | 86 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 3830 | 1.181 | ppb | | 88 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 3239 | 0.247 | ppb | | 93 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 1817 | 0.194 | ppb | | 98 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 1556 | 0.199 | ppb | | 94 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 1544 | 0.230 | ppb | | 76 |
| 29) Carbon tetrachloride | 4.21 | 117 | 945 | 0.187 | ppb | | 92 |
| 31] Benzene | 4.39 | 78 | 3933 | 0.194 | ppb | | 95 |
| 32] Trichloroethene | 4.93 | 95 | 1009 | 0.192 | ppb | | 88 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 920 | 0.190 | ppb | | 77 |
| 34) Bromodichloromethane | 5.37 | 83 | 1667 | 0.273 | ppb | | 73 |
| 36) Dibromomethane | 5.23 | 93 | 506 | 0.173 | ppb | # | 60 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

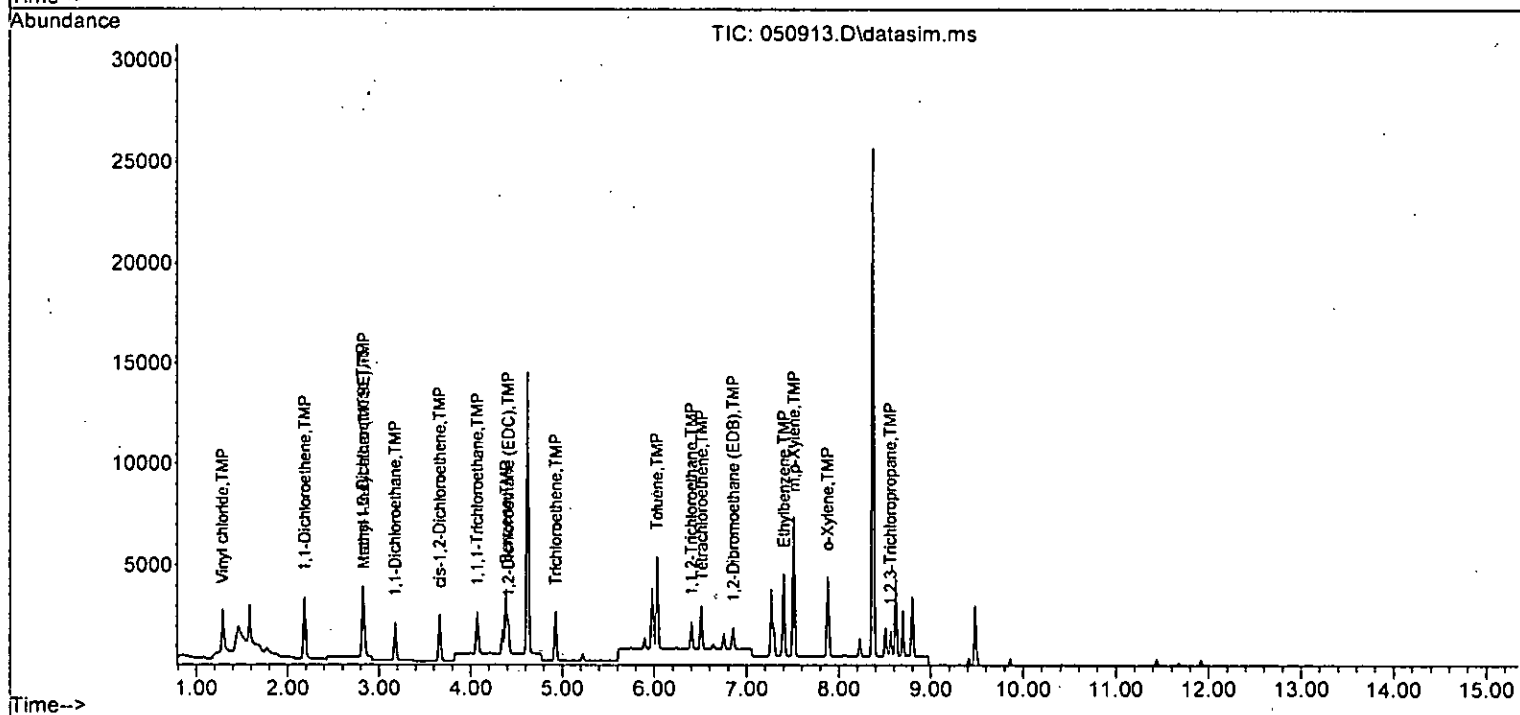
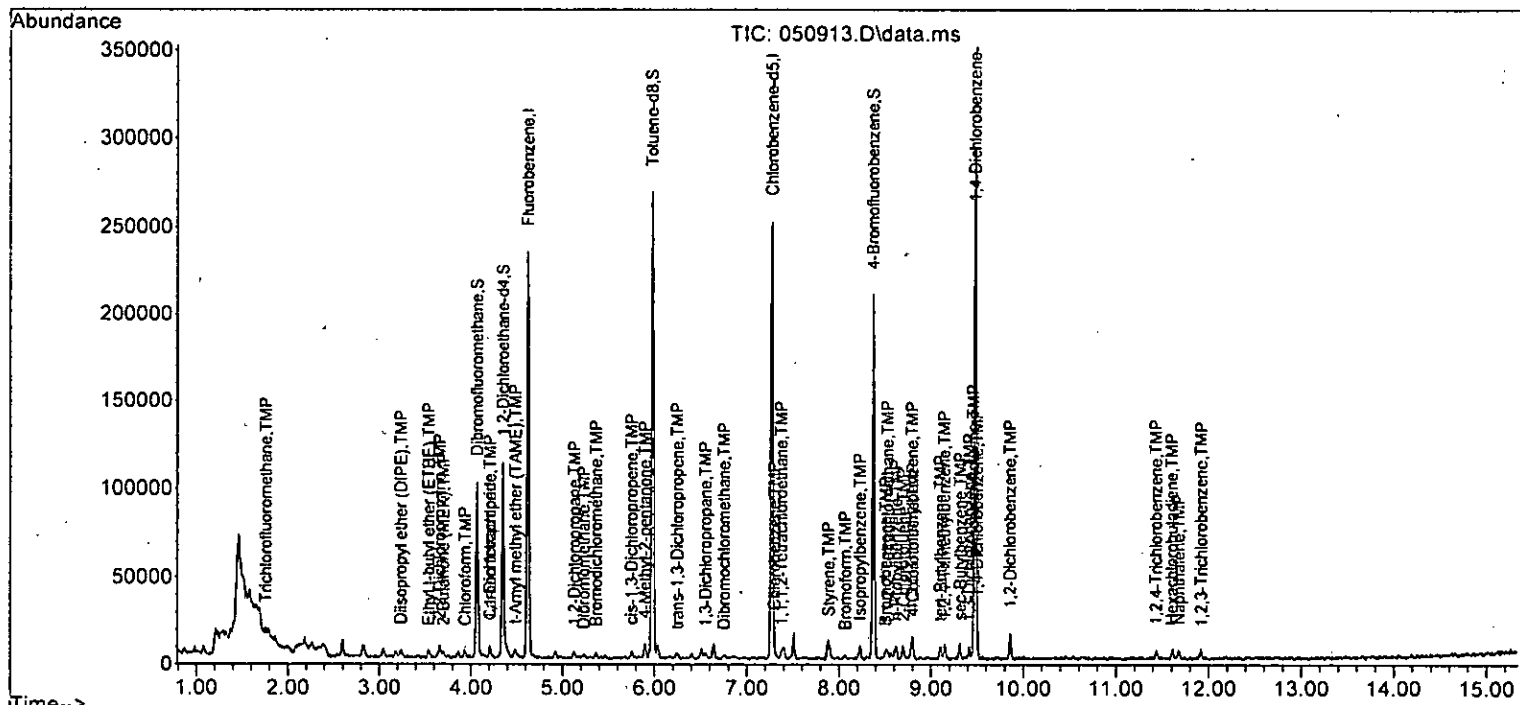
Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 1052 | 1.300 | ppb # | 63 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 1257 | 0.179 | ppb | 86 |
| 40] Toluene | 6.03 | 92 | 2348 | 0.199 | ppb | 96 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 1146 | 0.182 | ppb | 92 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 726 | 0.198 | ppb | 97 |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 1309 | 0.214 | ppb | 54 |
| 45] Tetrachloroethene | 6.51 | 164 | 765 | 0.195 | ppb | 98 |
| 46) Dibromochloromethane | 6.75 | 129 | 1072 | 0.268 | ppb # | 57 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 844 | 0.195 | ppb | 96 |
| 48) Chlorobenzene | 7.30 | 112 | 1905 | 0.183 | ppb # | 59 |
| 49] Ethylbenzene | 7.40 | 91 | 4136 | 0.193 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 954 | 0.252 | ppb # | 58 |
| 51] m,p-Xylene | 7.51 | 106 | 2992 | 0.379 | ppb | 94 |
| 52] o-Xylene | 7.87 | 106 | 1514 | 0.188 | ppb # | 77 |
| 53) Styrene | 7.89 | 104 | 2610 | 0.225 | ppb | 82 |
| 54) Isopropylbenzene | 8.23 | 105 | 3765 | 0.212 | ppb | 66 |
| 55) Bromoform | 8.07 | 173 | 514 | 0.193 | ppb | 77 |
| 58) n-Propylbenzene | 8.62 | 91 | 4359 | 0.203 | ppb | 99 |
| 59) Bromobenzene | 8.50 | 156 | 911 | 0.210 | ppb # | 64 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 3409 | 0.227 | ppb | 96 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 1369 | 0.252 | ppb | 81 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 998 | 0.203 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.70 | 91 | 2953 | 0.234 | ppb | 65 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 3650 | 0.238 | ppb | 85 |
| 65) tert-Butylbenzene | 9.10 | 119 | 2486m | 0.200 | ppb | |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 3517 | 0.225 | ppb | 83 |
| 67) sec-Butylbenzene | 9.32 | 105 | 3999 | 0.207 | ppb | 92 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 3324 | 0.209 | ppb | 80 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 1481 | 0.181 | ppb | 81 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 1929 | 0.229 | ppb | 88 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 2014 | 0.246 | ppb # | 59 |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 1514 | 0.270 | ppb # | 62 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 573 | 0.211 | ppb # | 57 |
| 75) Naphthalene | 11.68 | 128 | 2900 | 0.207 | ppb | 90 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 1202 | 0.233 | ppb # | 69 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCM511

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.028 | -0.3 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.09# |
| 5 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.22# |
| 6 TMP Vinyl chloride | 0.200 | 0.197 | 1.5 | 100 | -0.02 |
| 7 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.60# |
| 9 TMP Trichlorofluoromethane | 0.200 | 0.250 | -25.0# | 100 | -0.02 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 13 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.05# |
| 14 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.200 | 0.207 | -3.5 | 103 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.200 | 0.194 | 3.0 | 94 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.200 | 0.219 | -9.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.200 | 0.202 | -1.0 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.200 | 0.192 | 4.0 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.200 | 0.274 | -37.0# | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.200 | 0.201 | -0.5 | 100 | 0.00 |
| 23 TMP Chloroform | 0.200 | 0.288 | -44.0# | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 1.000 | 1.181 | -18.1 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.200 | 0.247 | -23.5# | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.200 | 0.194 | 3.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.200 | 0.199 | 0.5 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.200 | 0.230 | -15.0 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.200 | 0.187 | 6.5 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 8.665 | 13.4 | 100 | 0.00 |
| 31 TMP Benzene | 0.200 | 0.194 | 3.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.200 | 0.192 | 4.0 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.200 | 0.190 | 5.0 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.200 | 0.273 | -36.5# | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 9.694 | 3.1 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.200 | 0.173 | 13.5 | 111 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 1.000 | 1.300 | -30.0# | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.200 | 0.179 | 10.5 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.200 | 0.199 | 0.5 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.200 | 0.182 | 9.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 43 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.200 | 0.214 | -7.0 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.200 | 0.195 | 2.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.200 | 0.268 | -34.0# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.200 | 0.195 | 2.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.200 | 0.183 | 8.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 0.200 | 0.193 | 3.5 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.200 | 0.252 | -26.0# | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.400 | 0.379 | 5.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.200 | 0.188 | 6.0 | 100 | 0.00 |
| 53 TMP Styrene | 0.200 | 0.225 | -12.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 0.200 | 0.212 | -6.0 | 100 | 0.00 |
| 55 TMP Bromoform | 0.200 | 0.193 | 3.5 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.408 | -4.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 0.200 | 0.227 | -13.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.200 | 0.252 | -26.0# | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 0.200 | 0.234 | -17.0 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 0.200 | 0.238 | -19.0 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 0.200 | 0.200 | 0.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 0.200 | 0.225 | -12.5 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 0.200 | 0.207 | -3.5 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 0.200 | 0.209 | -4.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 0.200 | 0.181 | 9.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 0.200 | 0.229 | -14.5 | 100 | 0.00 |
| 71 TMP 1,2-Oichlorobenzene | 0.200 | 0.246 | -23.0# | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.200 | 0.270 | -35.0# | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.200 | 0.211 | -5.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 0.200 | 0.207 | -3.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.200 | 0.233 | -16.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.284 | 0.0 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.000# | 100.0# | 0# | -1.09# |
| 5 TMP Chloromethane | 1.094 | 0.000# | 100.0# | 0# | -1.22# |
| 6 TMP Vinyl chloride | 0.946 | 0.930 | 1.7 | 100 | -0.02 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.000# | 100.0# | 0# | -1.60# |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.378 | -24.7# | 100 | -0.02 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.000# | 100.0# | 0# | -2.26# |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.457 | 1.1 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.000# | 100.0# | 0# | -3.05# |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.000# | 100.0# | 0# | -2.73# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.941 | -3.6 | 103 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.313 | 2.8 | 94 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.220 | -9.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.676 | -0.9 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.325 | 3.8 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.534 | -36.9# | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.348 | -0.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.866 | -44.1# | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.253 | -18.2 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 1.068 | -23.8# | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.599 | 6.1 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.513 | 0.6 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.509 | -15.2 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.312 | 6.6 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.053 | 13.1 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.297 | 3.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.333 | 3.8 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.303 | 5.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.550 | -36.8# | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.947 | 3.1 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.167 | 13.5 | 111 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.069 | -30.2# | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.415 | 10.4 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.073 | 2.5 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.524 | 9.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.332 | 1.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.000# | 100.0# | 0# | -6.64# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050913.D
 Acq On : 09 May 2023 05:53 pm
 Operator :
 Sample : 0.2 ppb 8260 ICAL 69-40I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:41 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.598 | -7.0 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.350 | 3.8 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.490 | -33.9# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.386 | 2.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.870 | 8.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.890 | 3.7 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.436 | -26.0# | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.684 | 5.1 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.692 | 5.7 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.193 | -12.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.720 | -5.8 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.235 | 3.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.968 | -4.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.811 | -1.7 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.796 | -5.2 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.980 | -13.6 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 1.197 | -26.3# | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.873 | -1.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.582 | -16.8 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 3.191 | -19.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.173 | -0.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 3.075 | -12.6 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.496 | -3.7 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.906 | -4.3 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.295 | 9.6 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.686 | -14.5 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.761 | -23.1# | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.000# | 100.0# | 0# | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 1.324 | -35.1# | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.501 | -5.7 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.535 | -3.6 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 1.051 | -16.4 | 100 | 0.00 |

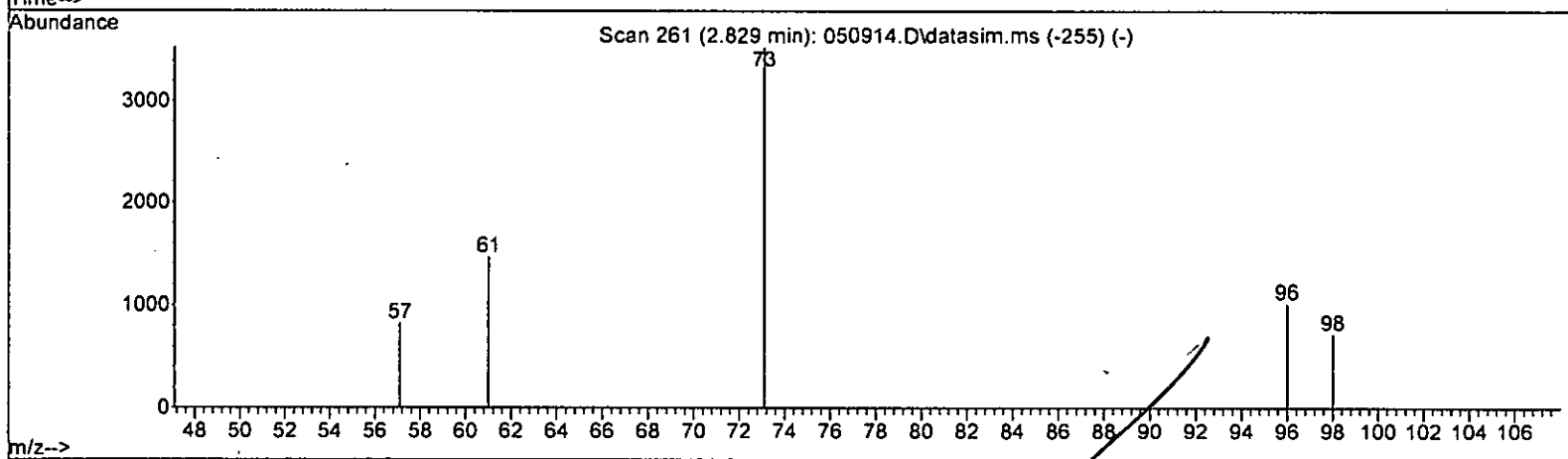
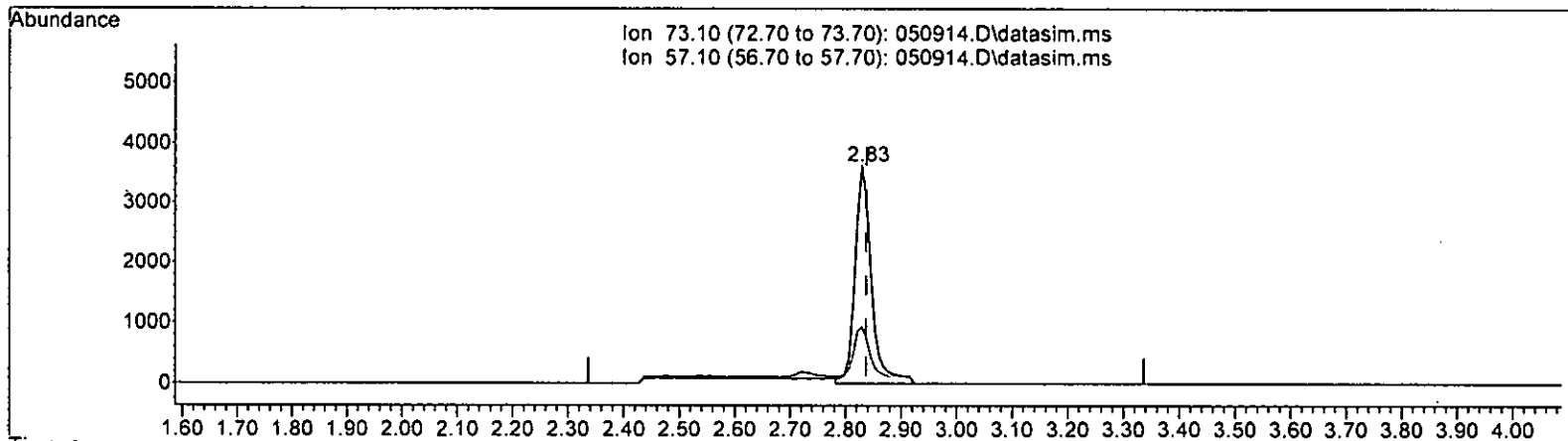
(#) = Out of Range

SPCC's out = 11 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 050914.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.008) 0.559 ppb

response 7395

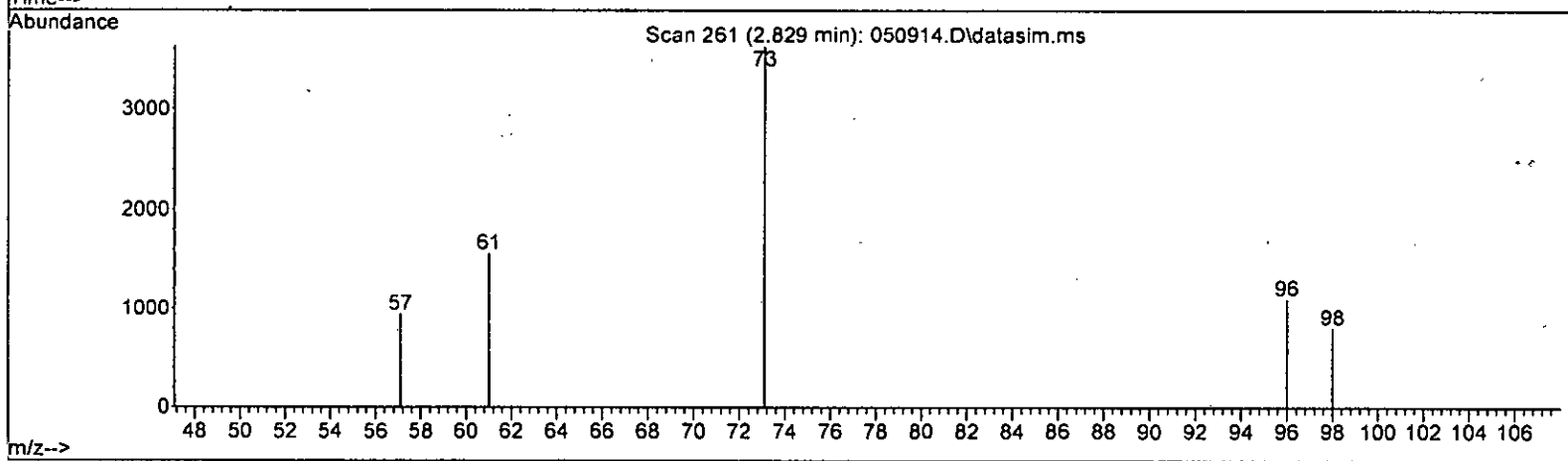
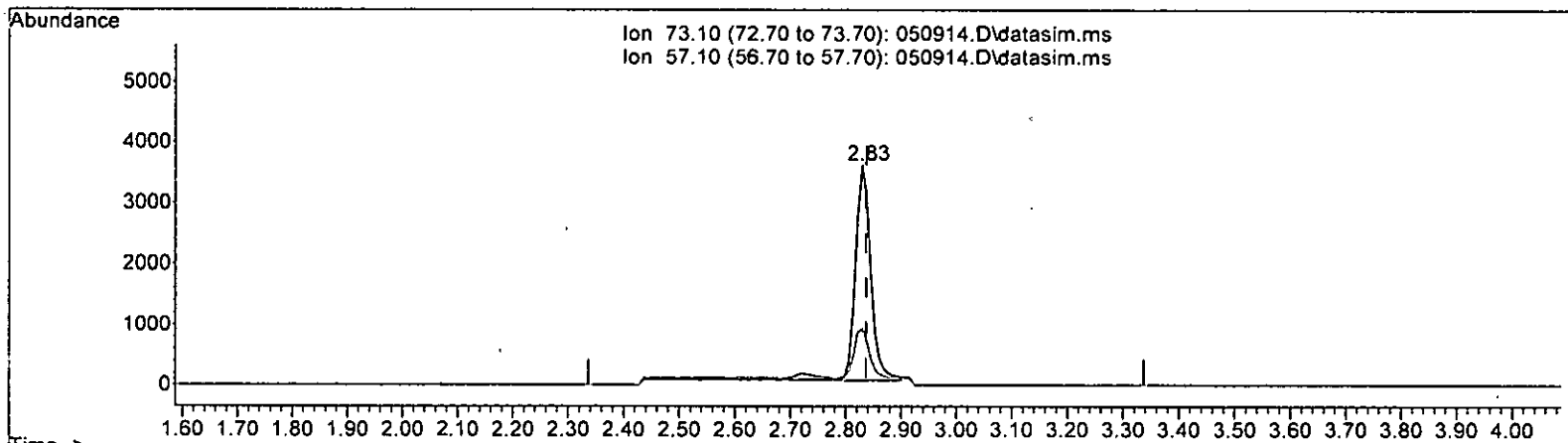
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 22.30 | 25.92 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MS/10

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



TIC: 050914.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.829min (-0.008) 0.510 ppb m

m 5/10

| response | 6748 |
|----------|---------------|
| Ion | Exp% Act% |
| 73.10 | 100.00 100.00 |
| 57.10 | 22.30 25.92 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 145584 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 107187 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 56723 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 42910 | 10.396 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 104.00% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9382 | 10.494 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = 104.90% | | |
| 35) Toluene-d8 | 5.97 | 98 | 139833 | 9.829 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = 98.30% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 54338 | 10.297 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = 103.00% | | |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.85 | 45 | 258 | No Calib | | Qvalue |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 5716 | 0.446 | ppb | 100 |
| 5) Chloromethane | 1.21 | 50 | 9676 | 0.608 | ppb | 81 |
| 6] Vinyl chloride | 1.28 | 62 | 7500 | 0.544 | ppb | 93 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | |
| 8] Chloroethane | 1.58 | 64 | 4891 | 0.549 | ppb | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 7873 | 0.490 | ppb | 83 |
| 10) 2-Propanol | 2.39 | 45 | 3755 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 2847 | 3.377 | ppb | 98 |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 3424 | 0.509 | ppb | 100 |
| 13) Hexane | 3.05 | 57 | 4317 | 0.618 | ppb | # 67 |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 1711 | 2.841 | ppb | 99 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 6748m | 0.510 | ppb | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 2250 | 0.480 | ppb | 98 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 8694 | 0.536 | ppb | 96 |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 4856 | 0.498 | ppb | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 2445 | 0.496 | ppb | # 82 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 3204 | 0.564 | ppb | 74 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 2468 | 0.489 | ppb | 92 |
| 23) Chloroform | 3.94 | 83 | 4395 | 0.502 | ppb | 76 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 8359 | 2.683 | ppb | 93 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 6771 | 0.539 | ppb | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 4190 | 0.501 | ppb | 98 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 3625 | 0.482 | ppb | 93 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 3061 | 0.475 | ppb | 86 |
| 29) Carbon tetrachloride | 4.21 | 117 | 1952 | 0.401 | ppb | 100 |
| 31] Benzene | 4.38 | 78 | 9154 | 0.470 | ppb | 97 |
| 32] Trichloroethene | 4.93 | 95 | 2447 | 0.486 | ppb | 92 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 2425 | 0.521 | ppb | 100 |
| 34) Bromodichloromethane | 5.37 | 83 | 2602 | 0.444 | ppb | # 61 |
| 36) Dibromomethane | 5.22 | 93 | 1590 | 0.566 | ppb | # 71 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

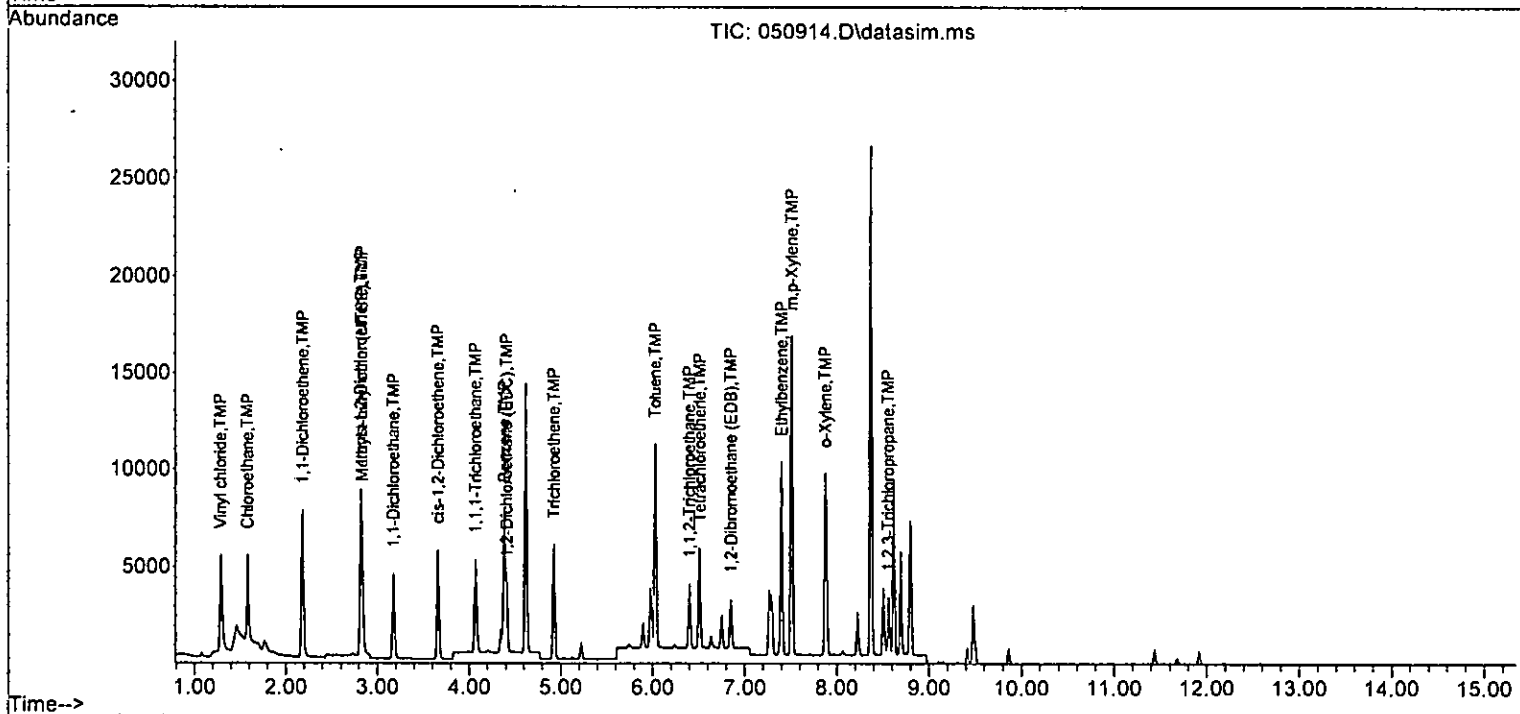
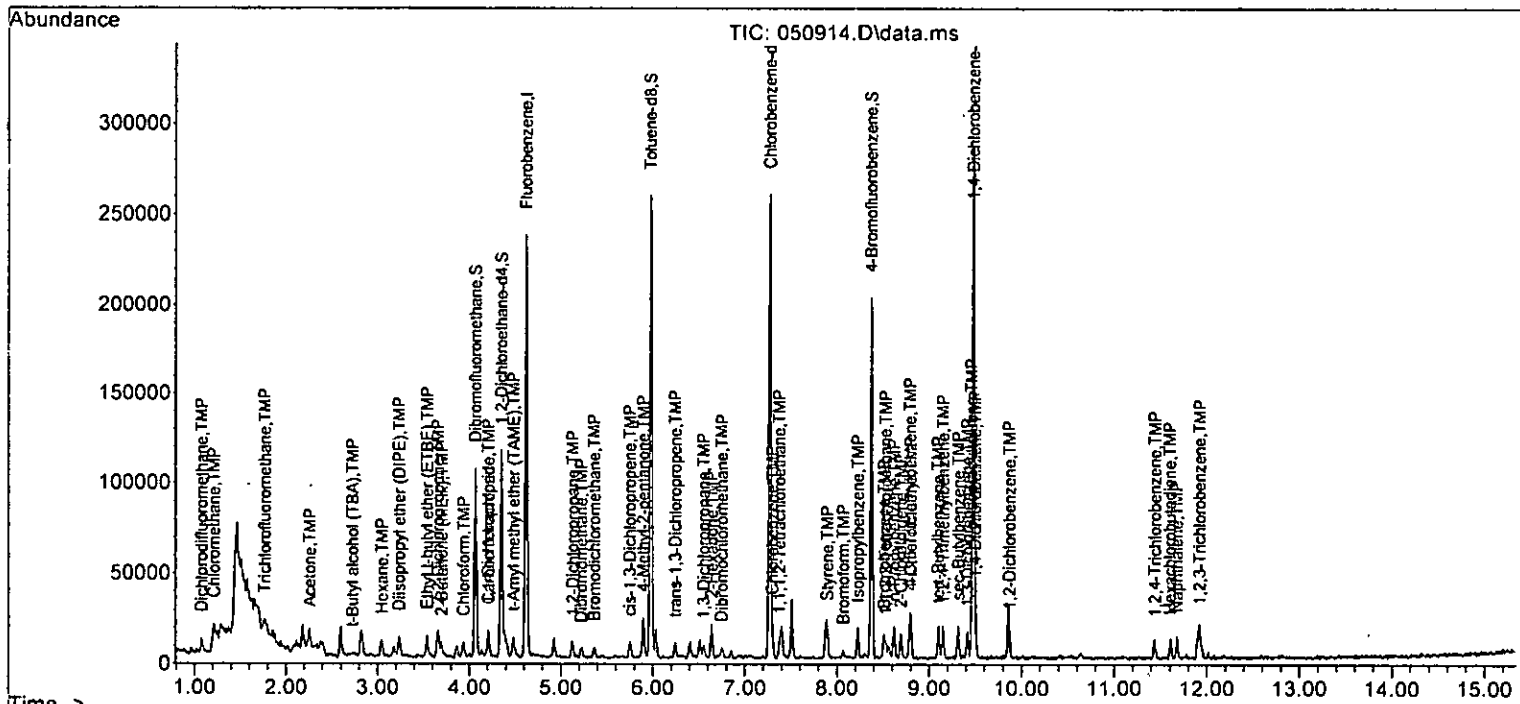
Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 2068 | 2.661 | ppb # | 49 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 3040 | 0.451 | ppb | 83 |
| 40] Toluene | 6.03 | 92 | 5238 | 0.471 | ppb | 98 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 3226 | 0.522 | ppb | 76 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 1699 | 0.472 | ppb | 95 |
| 43) 2-Hexanone | 6.64 | 43 | 11909 | 2.545 | ppb | 84 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 3007 | 0.502 | ppb | 98 |
| 45] Tetrachloroethene | 6.51 | 164 | 1800 | 0.483 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 1723 | 0.439 | ppb | 70 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 1969 | 0.465 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 5428 | 0.532 | ppb | 82 |
| 49] Ethylbenzene | 7.40 | 91 | 9890 | 0.470 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 1939 | 0.523 | ppb # | 62 |
| 51] m,p-Xylene | 7.51 | 106 | 7097 | 0.919 | ppb | 95 |
| 52] o-Xylene | 7.87 | 106 | 3587 | 0.456 | ppb # | 79 |
| 53) Styrene | 7.90 | 104 | 5778 | 0.508 | ppb | 90 |
| 54) Isopropylbenzene | 8.23 | 105 | 8618 | 0.494 | ppb | 96 |
| 55) Bromoform | 8.07 | 173 | 1092 | 0.419 | ppb | 67 |
| 58) n-Propylbenzene | 8.62 | 91 | 10797 | 0.508 | ppb | 99 |
| 59) Bromobenzene | 8.51 | 156 | 2286 | 0.532 | ppb # | 60 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 7648 | 0.514 | ppb | 94 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 2672 | 0.497 | ppb | 89 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 2334 | 0.478 | ppb | 96 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 6394 | 0.510 | ppb | 97 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 7650 | 0.504 | ppb | 81 |
| 65) tert-Butylbenzene | 9.10 | 119 | 6280 | 0.510 | ppb | 93 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 8471 | 0.547 | ppb | 74 |
| 67) sec-Butylbenzene | 9.32 | 105 | 9508 | 0.497 | ppb | 96 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 7784 | 0.492 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 4239 | 0.521 | ppb | 87 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 4425 | 0.529 | ppb | 96 |
| 71) 1,2-Dichlorobenzene | 9.87 | 146 | 3654 | 0.451 | ppb | 87 |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 2793 | 0.503 | ppb | 89 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 1395 | 0.518 | ppb # | 73 |
| 75) Naphthalene | 11.68 | 128 | 6832 | 0.492 | ppb | 92 |
| 76) 1,2,3-Trichlorobenzene | 11.93 | 180 | 2957 | 0.577 | ppb | 71 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 10.396 | -4.0 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.500 | 0.446 | 10.8 | 100 | 0.00 |
| 5 TMP | Chloromethane | 0.500 | 0.608 | -21.6# | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 0.500 | 0.544 | -8.8 | 112 | -0.02 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP | Chloroethane | 0.500 | 0.549 | -9.8 | 112 | -0.02 |
| 9 TMP | Trichlorofluoromethane | 0.500 | 0.490 | 2.0 | 100 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 2.500 | 3.377 | -35.1# | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.500 | 0.509 | -1.8 | 100 | 0.00 |
| 13 TMP | Hexane | 0.500 | 0.618 | -23.6# | 100 | 0.00 |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.61# |
| 15 TMP | t-Butyl alcohol (TBA) | 2.500 | 2.841 | -13.6 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.500 | 0.510 | -2.0 | 100 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 0.500 | 0.480 | 4.0 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.500 | 0.536 | -7.2 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.500 | 0.498 | 0.4 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.500 | 0.496 | 0.8 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.500 | 0.564 | -12.8 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.500 | 0.489 | 2.2 | 100 | 0.00 |
| 23 TMP | Chloroform | 0.500 | 0.502 | -0.4 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 2.500 | 2.683 | -7.3 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.500 | 0.539 | -7.8 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.500 | 0.501 | -0.2 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.500 | 0.482 | 3.6 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.500 | 0.475 | 5.0 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.500 | 0.401 | 19.8 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.494 | -4.9 | 100 | 0.00 |
| 31 TMP | Benzene | 0.500 | 0.470 | 6.0 | 100 | 0.00 |
| 32 TMP | Trichloroethene | 0.500 | 0.486 | 2.8 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.500 | 0.521 | -4.2 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.500 | 0.444 | 11.2 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 9.829 | 1.7 | 100 | -0.01 |
| 36 TMP | Dibromomethane | 0.500 | 0.566 | -13.2 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 2.500 | 2.661 | -6.4 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.500 | 0.451 | 9.8 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.500 | 0.471 | 5.8 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.500 | 0.522 | -4.4 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.500 | 0.472 | 5.6 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 2.500 | 2.545 | -1.8 | 100 | 0.00 |

Evaluate Continuing-Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.500 | 0.502 | -0.4 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.500 | 0.483 | 3.4 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.500 | 0.439 | 12.2 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.500 | 0.465 | 7.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.500 | 0.532 | -6.4 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 0.500 | 0.470 | 6.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.500 | 0.523 | -4.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 1.000 | 0.919 | 8.1 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.500 | 0.456 | 8.8 | 100 | 0.00 |
| 53 TMP Styrene | 0.500 | 0.508 | -1.6 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 0.500 | 0.494 | 1.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.500 | 0.419 | 16.2 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.297 | -3.0 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 0.500 | 0.508 | -1.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.500 | 0.532 | -6.4 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 0.500 | 0.514 | -2.8 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.500 | 0.497 | 0.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.500 | 0.478 | 4.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 0.500 | 0.510 | -2.0 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 0.500 | 0.504 | -0.8 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 0.500 | 0.510 | -2.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 0.500 | 0.547 | -9.4 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 0.500 | 0.497 | 0.6 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 0.500 | 0.492 | 1.6 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 0.500 | 0.521 | -4.2 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 0.500 | 0.529 | -5.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 0.500 | 0.451 | 9.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.500 | 0.503 | -0.6 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.500 | 0.518 | -3.6 | 100 | 0.00 |
| 75 TMP Naphthalene | 0.500 | 0.492 | 1.6 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.500 | 0.577 | -15.4 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.295 | -3.9 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.785 | 10.9 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.329 | -21.5# | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 1.030 | -8.9 | 112 | -0.02 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.672 | -9.8 | 112 | -0.02 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.082 | 2.1 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.078 | -34.5# | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.470 | -1.7 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.593 | -23.5# | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.047 | -14.6 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.927 | -2.1 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.309 | 4.0 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.194 | -7.2 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.667 | 0.4 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.336 | 0.6 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.440 | -12.8 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.339 | 2.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.604 | -0.5 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.230 | -7.5 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.930 | -7.8 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.576 | 9.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.498 | 3.5 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.421 | 4.8 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.268 | 19.8 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.064 | -4.9 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.258 | 5.9 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.336 | 2.9 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.333 | -4.1 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.357 | 11.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.960 | 1.7 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.218 | -13.0 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.057 | -7.5 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.418 | 9.7 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.977 | 11.3 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.602 | -4.3 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.317 | 5.7 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.444 | -1.6 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050914.D
 Acq On : 09 May 2023 06:16 pm
 Operator :
 Sample : 0.5 ppb 8260 ICAL 69-40J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:45 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.561 | -0.4 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.336 | 7.7 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.321 | 12.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.367 | 7.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 1.013 | -6.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.845 | 6.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.362 | -4.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.662 | 8.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.669 | 8.9 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.078 | -1.7 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.608 | 1.1 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.204 | 16.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.958 | -3.0 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.807 | -1.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.806 | -6.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.697 | -2.8 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.942 | 0.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.823 | 4.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.254 | -1.9 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.697 | -0.8 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.214 | -1.9 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.987 | -9.4 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.352 | 0.6 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.745 | 1.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.495 | -4.3 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.560 | -5.9 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.288 | 9.9 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.000# | 100.0# | 0# | -10.63# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.985 | -0.5 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.492 | -3.8 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.409 | 1.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 1.043 | -15.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB0S0923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 146486 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 104870 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 57382 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 41434 | 9.976 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 99.80% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9338 | 10.381 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 103.80% |
| 35) Toluene-d8 | 5.98 | 98 | 138667 | 9.687 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 96.90% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 53318 | 9.988 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 99.90% |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.90 | 45 | 288 | No Calib | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 12769 | 0.990 | ppb | 99 |
| 5) Chloromethane | 1.23 | 50 | 17394 | 1.086 | ppb | 77 |
| 6] Vinyl chloride | 1.30 | 62 | 13829 | 0.998 | ppb | 95 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | |
| 8] Chloroethane | 1.60 | 64 | 10215 | 1.139 | ppb | 96 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 16478 | 1.018 | ppb | 83 |
| 10) 2-Propanol | 2.40 | 45 | 3504 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 4430 | 5.223 | ppb | # 59 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 6737 | 0.995 | ppb | 88 |
| 13) Hexane | 3.05 | 57 | 7137 | 1.015 | ppb | 90 |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 3720 | 6.140 | ppb | 83 |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 14215 | 1.068 | ppb | 95 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 5162 | 1.094 | ppb | 94 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 15659 | 0.959 | ppb | 96 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 9798 | 0.998 | ppb | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.55 | 87 | 4997 | 1.008 | ppb | 93 |
| 21) 2,2-Dichloropropane | 3.67 | 77 | 6516 | 1.140 | ppb | 90 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 4981 | 0.980 | ppb | 96 |
| 23) Chloroform | 3.94 | 83 | 9089 | 1.032 | ppb | 76 |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 15050 | 4.801 | ppb | 96 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 12683 | 1.003 | ppb | 97 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 8288 | 1.010 | ppb | 99 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 7475 | 0.989 | ppb | 98 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 7044 | 1.087 | ppb | 93 |
| 29) Carbon tetrachloride | 4.21 | 117 | 4872 | 0.996 | ppb | 84 |
| 31] Benzene | 4.39 | 78 | 18691 | 0.954 | ppb | 98 |
| 32] Trichloroethene | 4.93 | 95 | 4914 | 0.970 | ppb | 96 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 5005 | 1.068 | ppb | # 88 |
| 34) Bromodichloromethane | 5.37 | 83 | 5474 | 0.929 | ppb | 72 |
| 36) Dibromomethane | 5.23 | 93 | 3025 | 1.070 | ppb | # 75 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

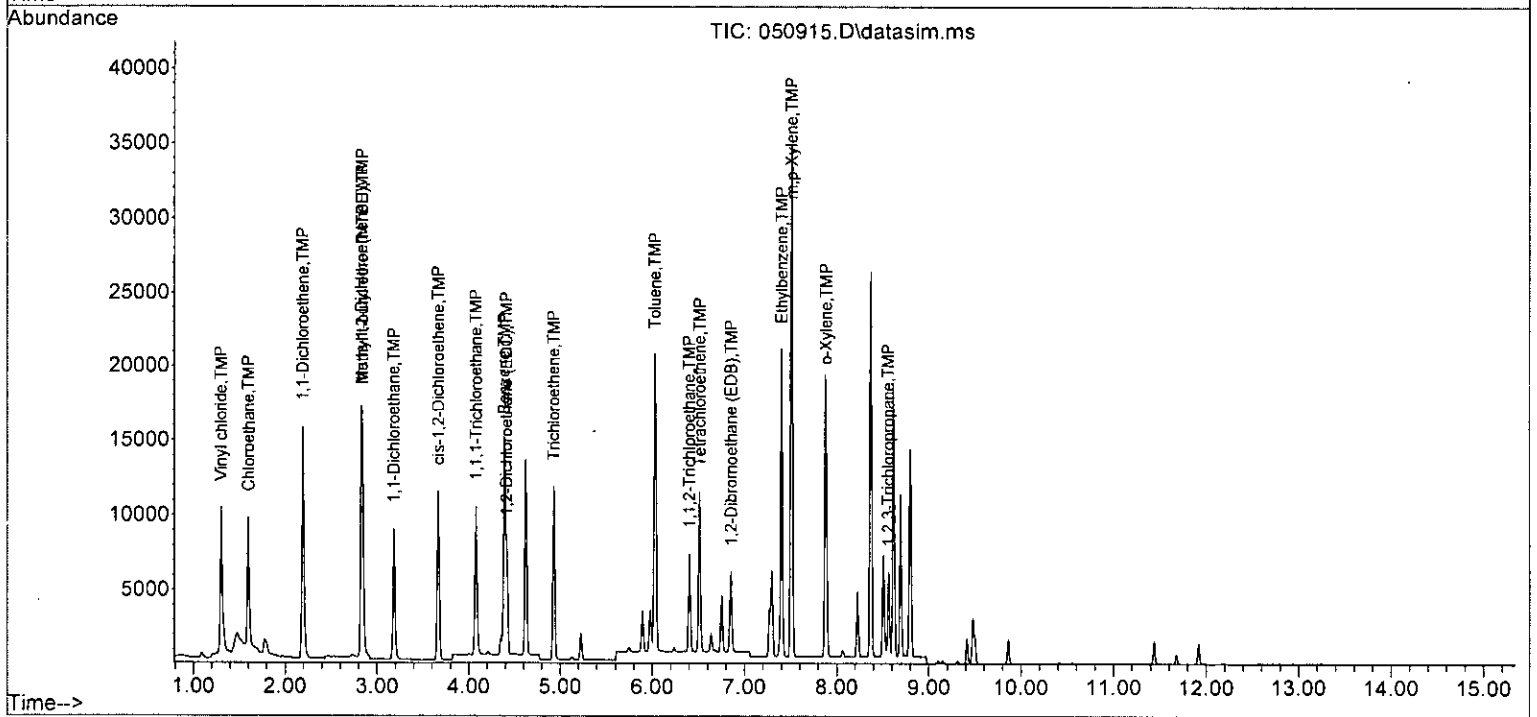
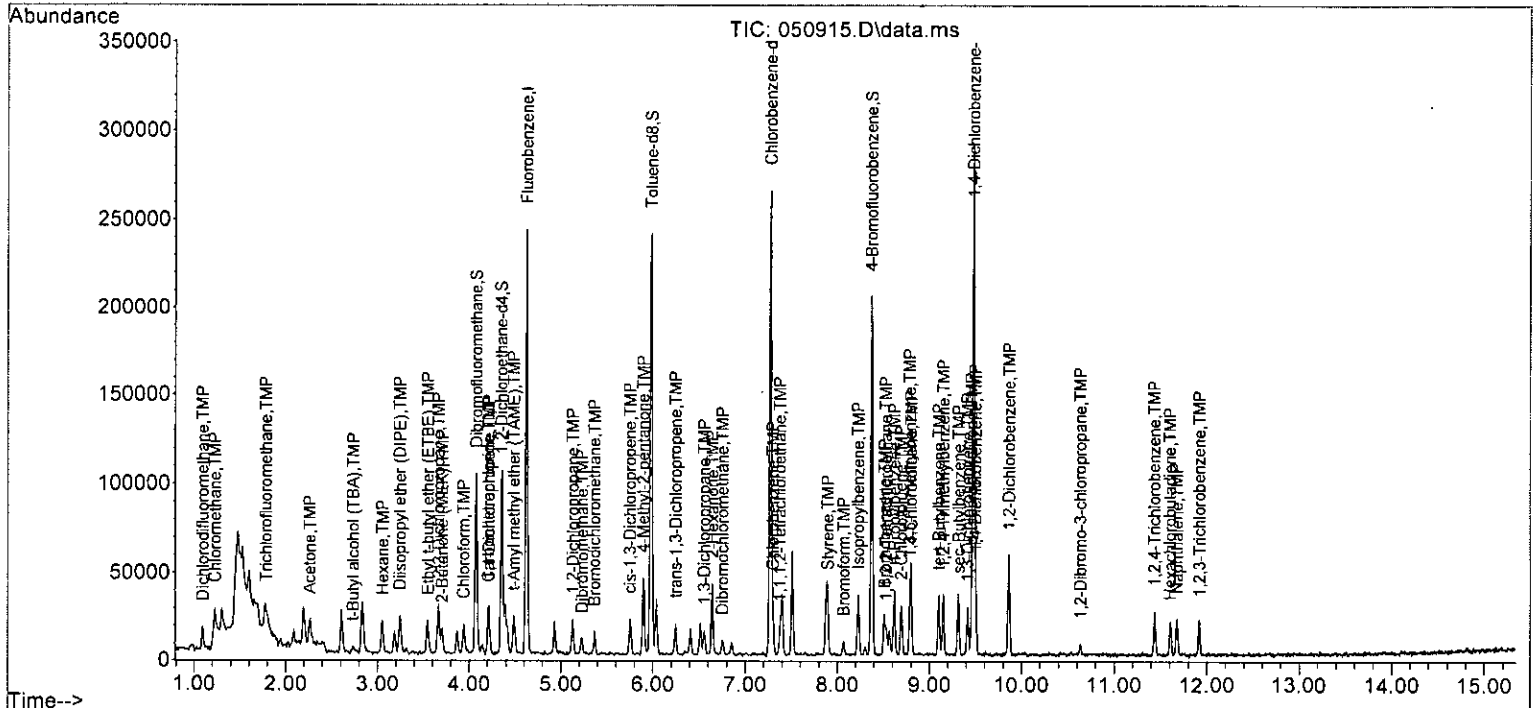
Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 3254 | 4.161 | ppb # | 77 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 6977 | 1.028 | ppb | 75 |
| 40] Toluene | 6.03 | 92 | 10397 | 0.970 | ppb | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 5853 | 0.968 | ppb | 88 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 3295 | 0.936 | ppb | 98 |
| 43) 2-Hexanone | 6.64 | 43 | 23763 | 5.190 | ppb | 95 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 5149 | 0.879 | ppb | 84 |
| 45] Tetrachloroethene | 6.51 | 164 | 3542 | 0.983 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 2991 | 0.780 | ppb | 68 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 3918 | 0.946 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 9056 | 0.908 | ppb | 84 |
| 49] Ethylbenzene | 7.40 | 91 | 19738 | 0.959 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 2963 | 0.816 | ppb | 80 |
| 51] m,p-Xylene | 7.51 | 106 | 14284 | 1.890 | ppb | 99 |
| 52] o-Xylene | 7.88 | 106 | 7383 | 0.959 | ppb | 97 |
| 53) Styrene | 7.90 | 104 | 10752 | 0.967 | ppb | 84 |
| 54) Isopropylbenzene | 8.23 | 105 | 16569 | 0.972 | ppb | 96 |
| 55) Bromoform | 8.07 | 173 | 2547 | 1.000 | ppb | 96 |
| 58) n-Propylbenzene | 8.62 | 91 | 21111 | 0.982 | ppb | 97 |
| 59) Bromobenzene | 8.51 | 156 | 4094 | 0.942 | ppb | 92 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 15183 | 1.009 | ppb | 91 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 5246 | 0.964 | ppb | 96 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 4805 | 0.972 | ppb | 98 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 12490 | 0.984 | ppb | 97 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 15127 | 0.985 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 11746 | 0.942 | ppb | 99 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 14490 | 0.925 | ppb | 84 |
| 67) sec-Butylbenzene | 9.32 | 105 | 18438 | 0.953 | ppb | 96 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 15761 | 0.985 | ppb | 93 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 8510 | 1.035 | ppb | 84 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 8441 | 0.998 | ppb | 94 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 7857 | 0.958 | ppb | 90 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 1208 | 1.039 | ppb # | 64 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 5323 | 0.947 | ppb | 86 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 2629 | 0.966 | ppb | 80 |
| 75) Naphthalene | 11.68 | 128 | 13338 | 0.950 | ppb | 96 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 4934 | 0.952 | ppb | 91 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.04 |
| 3 S Dibromofluoromethane | 10.000 | 9.976 | 0.2 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 1.000 | 0.990 | 1.0 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.000 | 1.086 | -8.6 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.000 | 0.998 | 0.2 | 103 | 0.00 |
| 7 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.52# |
| 8 TMP Chloroethane | 1.000 | 1.139 | -13.9 | 112 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.000 | 1.018 | -1.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 5.000 | 5.223 | -4.5 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 1.000 | 0.995 | 0.5 | 100 | 0.00 |
| 13 TMP Hexane | 1.000 | 1.015 | -1.5 | 100 | 0.00 |
| 14 TMP Methylene chloride | 1.000 | 0.000 | 100.0# | 0 | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 5.000 | 6.140 | -22.8# | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 1.000 | 1.068 | -6.8 | 105 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 1.000 | 1.094 | -9.4 | 113 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.000 | 0.959 | 4.1 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 1.000 | 0.998 | 0.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 1.000 | 1.008 | -0.8 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 1.000 | 1.140 | -14.0 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 1.000 | 0.980 | 2.0 | 100 | 0.00 |
| 23 TMP Chloroform | 1.000 | 1.032 | -3.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 5.000 | 4.801 | 4.0 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 1.000 | 1.003 | -0.3 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 1.000 | 1.010 | -1.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 1.000 | 0.989 | 1.1 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 1.000 | 1.087 | -8.7 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 1.000 | 0.996 | 0.4 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.381 | -3.8 | 100 | 0.00 |
| 31 TMP Benzene | 1.000 | 0.954 | 4.6 | 100 | 0.00 |
| 32 TMP Trichloroethene | 1.000 | 0.970 | 3.0 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 1.000 | 1.068 | -6.8 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 1.000 | 0.929 | 7.1 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 9.687 | 3.1 | 100 | 0.00 |
| 36 TMP Dibromomethane | 1.000 | 1.070 | -7.0 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 5.000 | 4.161 | 16.8 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 1.000 | 1.028 | -2.8 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.000 | 0.970 | 3.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 1.000 | 0.968 | 3.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 1.000 | 0.936 | 6.4 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 5.000 | 5.190 | -3.8 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 1.000 | 0.879 | 12.1 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 1.000 | 0.983 | 1.7 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 1.000 | 0.780 | 22.0# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 1.000 | 0.946 | 5.4 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 1.000 | 0.908 | 9.2 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.000 | 0.959 | 4.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 1.000 | 0.816 | 18.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 2.000 | 1.890 | 5.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 1.000 | 0.959 | 4.1 | 100 | 0.00 |
| 53 TMP Styrene | 1.000 | 0.967 | 3.3 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.000 | 0.972 | 2.8 | 100 | 0.00 |
| 55 TMP Bromoform | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.988 | 0.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 1.000 | 0.982 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 1.000 | 0.942 | 5.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 1.000 | 1.009 | -0.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 1.000 | 0.964 | 3.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 1.000 | 0.972 | 2.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.000 | 0.984 | 1.6 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.000 | 0.985 | 1.5 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.000 | 0.942 | 5.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 1.000 | 0.925 | 7.5 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 1.000 | 0.953 | 4.7 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 1.000 | 0.985 | 1.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.000 | 1.035 | -3.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.000 | 0.998 | 0.2 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.000 | 0.958 | 4.2 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 1.000 | 1.039 | -3.9 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 1.000 | 0.947 | 5.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 1.000 | 0.966 | 3.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 1.000 | 0.950 | 5.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 1.000 | 0.952 | 4.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.04 |
| 3 S Dibromofluoromethane | 0.284 | 0.283 | 0.4 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.872 | 1.0 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.187 | -8.5 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.944 | 0.2 | 103 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.000# | 100.0# | 0# | -1.52# |
| 8 TMP Chloroethane | 0.612 | 0.697 | -13.9 | 112 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.125 | -1.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.060 | -3.4 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.460 | 0.4 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.487 | -1.5 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.000# | 100.0# | 0# | -2.61# |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.051 | -24.4# | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.970 | -6.8 | 105 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.352 | -9.3 | 113 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.069 | 4.0 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.669 | 0.1 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.341 | -0.9 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.445 | -14.1 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.340 | 2.0 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.620 | -3.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.205 | 4.2 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.866 | -0.3 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.566 | 11.3 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.510 | 1.2 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.481 | -8.8 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.333 | 0.3 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.064 | -4.9 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.276 | 4.6 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.335 | 3.2 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.342 | -6.9 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.374 | 7.0 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.947 | 3.1 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.207 | -7.3 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.044 | 17.0 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.476 | -2.8 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.991 | 10.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.558 | 3.3 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.314 | 6.5 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.453 | -3.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050915.D
 Acq On : 09 May 2023 06:39 pm
 Operator :
 Sample : 1 ppb 8260 ICAL 69-40K
 Misc : soil/water
 ALS Vial : 7. Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:48 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.491 | 12.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.338 | 7.1 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.285 | 22.1# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.374 | 5.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.864 | 9.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.882 | 4.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.283 | 18.2 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.681 | 5.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.704 | 4.1 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.025 | 3.3 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.580 | 2.8 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.243 | 0.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.929 | 0.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.679 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.713 | 5.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.646 | -0.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.914 | 3.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.837 | 2.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.177 | 1.5 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.636 | 1.5 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.047 | 5.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.525 | 7.5 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.213 | 4.7 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.747 | 1.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.483 | -3.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.471 | 0.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.369 | 4.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.211 | -3.9 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.928 | 5.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.458 | 3.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.324 | 5.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.860 | 4.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 146325 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 104164 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 58092 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 42595 | 10.267 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 102.70% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9715 | 10.812 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 108.10% |
| 35) Toluene-d8 | 5.98 | 98 | 142084 | 9.937 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 99.40% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 53377 | 9.877 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 98.80% |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.83 | 45 | 643 | No Calib | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 24338 | 1.889 | ppb | 95 |
| 5) Chloromethane | 1.23 | 50 | 32118 | 2.007 | ppb | 96 |
| 6] Vinyl chloride | 1.30 | 62 | 29530 | 2.133 | ppb | 99 |
| 7) Bromomethane | 1.52 | 94 | 22764 | 2.267 | ppb | 73 |
| 8] Chloroethane | 1.60 | 64 | 20300 | 2.265 | ppb | 97 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 34163 | 2.114 | ppb | 99 |
| 10) 2-Propanol | 2.40 | 45 | 3090 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 9403 | 11.099 | ppb | 92 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 13686 | 2.024 | ppb | 97 |
| 13) Hexane | 3.05 | 57 | 13781 | 1.962 | ppb | 90 |
| 14) Methylene chloride | 2.61 | 84 | 11624 | 2.559 | ppb | 97 |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 6101 | 10.081 | ppb | 77 |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 28502 | 2.145 | ppb | 97 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 9818 | 2.084 | ppb | 99 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 31953 | 1.960 | ppb | 92 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 20042 | 2.043 | ppb | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 11567 | 2.337 | ppb | # 80 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 11590 | 2.031 | ppb | 92 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 10199 | 2.010 | ppb | 98 |
| 23) Chloroform | 3.94 | 83 | 17845 | 2.029 | ppb | 85 |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 28966 | 9.251 | ppb | 92 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 25593 | 2.026 | ppb | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 16681 | 2.060 | ppb | 100 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 15524 | 2.056 | ppb | 99 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 12076 | 1.865 | ppb | 86 |
| 29) Carbon tetrachloride | 4.21 | 117 | 9902 | 2.026 | ppb | 77 |
| 31] Benzene | 4.39 | 78 | 38203 | 1.953 | ppb | 99 |
| 32] Trichloroethene | 4.93 | 95 | 10039 | 1.983 | ppb | 99 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 8674 | 1.853 | ppb | 99 |
| 34) Bromodichloromethane | 5.37 | 83 | 11628 | 1.975 | ppb | 82 |
| 36) Dibromomethane | 5.23 | 93 | 6452 | 2.285 | ppb | 84 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

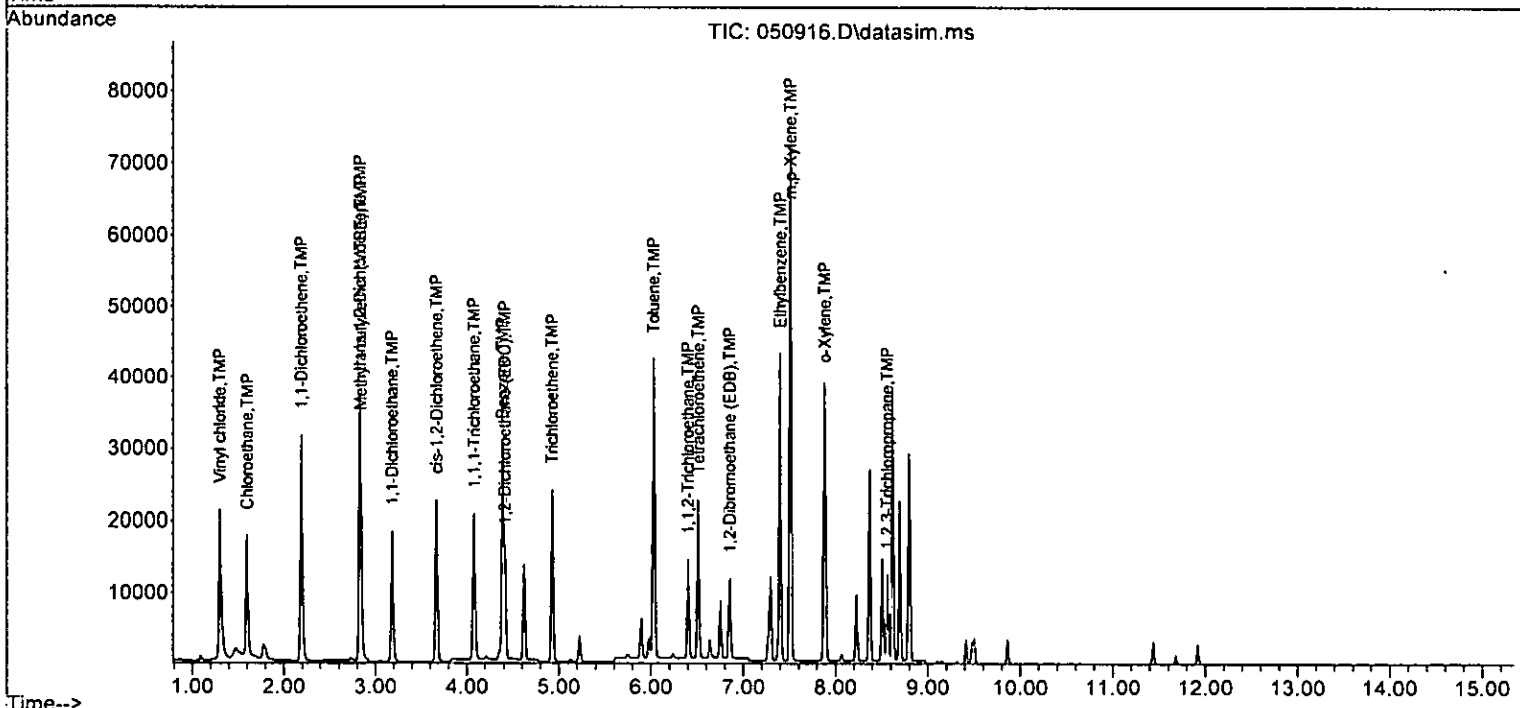
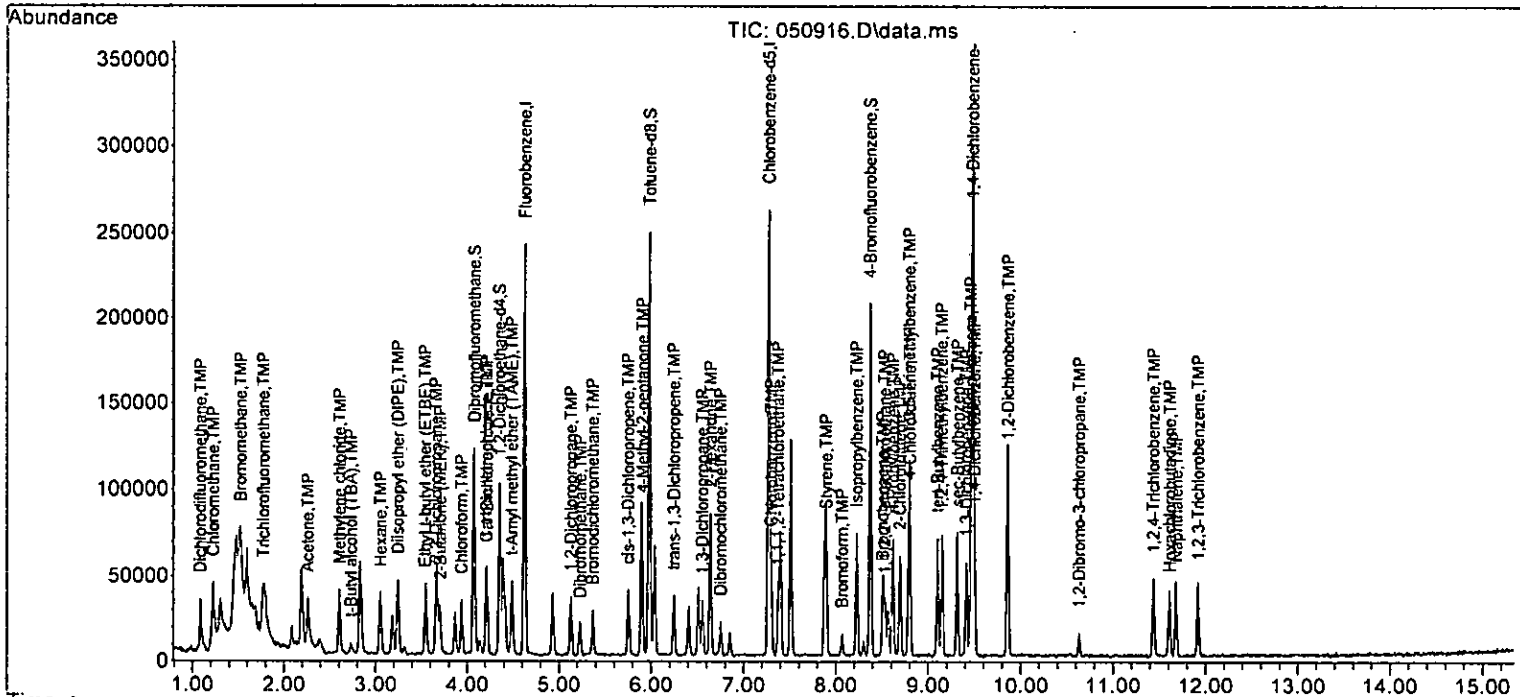
Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | # |
|-------------------------------|-------|------|----------|--------|-------|----------|-----|
| 37) 4-Methyl-2-pentanone | 5.91 | 85 | 7326 | 9.379 | ppb | | 79 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 12979 | 1.915 | ppb | | 83 |
| 40] Toluene | 6.03 | 92 | 21137 | 2.000 | ppb | | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 11532 | 1.919 | ppb | | 79 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 7010 | 2.005 | ppb | | 99 |
| 43) 2-Hexanone | 6.64 | 43 | 47235 | 10.387 | ppb | | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 11936 | 2.051 | ppb | | 87 |
| 45] Tetrachloroethene | 6.51 | 164 | 7318 | 2.055 | ppb | | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 7398 | 1.941 | ppb | | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 8280 | 2.012 | ppb | | 100 |
| 48) Chlorobenzene | 7.30 | 112 | 21117 | 2.132 | ppb | | 91 |
| 49] Ethylbenzene | 7.40 | 91 | 41319 | 2.022 | ppb | | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 7278 | 2.019 | ppb | | 87 |
| 51] m,p-Xylene | 7.51 | 106 | 29849 | 3.977 | ppb | | 99 |
| 52] o-Xylene | 7.88 | 106 | 15175 | 1.984 | ppb | | 99 |
| 53) Styrene | 7.90 | 104 | 22877 | 2.072 | ppb | | 98 |
| 54) Isopropylbenzene | 8.23 | 105 | 34274 | 2.024 | ppb | | 91 |
| 55) Bromoform | 8.07 | 173 | 4320 | 1.707 | ppb | | 86 |
| 58) n-Propylbenzene | 8.62 | 91 | 46421 | 2.132 | ppb | | 96 |
| 59) Bromobenzene | 8.50 | 156 | 8750 | 1.990 | ppb | | 89 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 29584 | 1.941 | ppb | | 100 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 11206 | 2.034 | ppb | | 88 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 9921 | 1.983 | ppb | | 98 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 25563 | 1.990 | ppb | | 97 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 31360 | 2.017 | ppb | | 96 |
| 65) tert-Butylbenzene | 9.10 | 119 | 25033 | 1.984 | ppb | | 92 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 30672 | 1.934 | ppb | | 96 |
| 67) sec-Butylbenzene | 9.32 | 105 | 39071 | 1.995 | ppb | | 96 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 31603 | 1.952 | ppb | | 94 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 17044 | 2.047 | ppb | | 87 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 16636 | 1.944 | ppb | | 95 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 17135 | 2.063 | ppb | | 91 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 2283 | 1.939 | ppb | | 90 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 10552 | 1.854 | ppb | | 92 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 5657 | 2.052 | ppb | | 90 |
| 75) Naphthalene | 11.68 | 128 | 27528 | 1.937 | ppb | | 96 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 10189 | 1.943 | ppb | | 98 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -0.03 |
| 3 S Dibromofluoromethane | 10.000 | 10.267 | -2.7 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 2.000 | 1.889 | 5.5 | 100 | 0.00 |
| 5 TMP Chloromethane | 2.000 | 2.007 | -0.4 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 2.000 | 2.133 | -6.7 | 104 | 0.00 |
| 7 TMP Bromomethane | 2.000 | 2.267 | -13.3 | 100 | 0.00 |
| 8 TMP Chloroethane | 2.000 | 2.265 | -13.3 | 108 | 0.00 |
| 9 TMP Trichlorofluoromethane | 2.000 | 2.114 | -5.7 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 10.000 | 11.099 | -11.0 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 2.000 | 2.024 | -1.2 | 100 | 0.00 |
| 13 TMP Hexane | 2.000 | 1.962 | 1.9 | 100 | 0.00 |
| 14 TMP Methylene chloride | 2.000 | 2.559 | -28.0# | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 10.000 | 10.081 | -0.8 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 2.000 | 2.145 | -7.3 | 102 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 2.000 | 2.084 | -4.2 | 106 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 2.000 | 1.960 | 2.0 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 2.000 | 2.043 | -2.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 2.000 | 2.337 | -16.9 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 2.000 | 2.031 | -1.6 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 2.000 | 2.010 | -0.5 | 100 | 0.00 |
| 23 TMP Chloroform | 2.000 | 2.029 | -1.4 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 10.000 | 9.251 | 7.5 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 2.000 | 2.026 | -1.3 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 2.000 | 2.060 | -3.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 2.000 | 2.056 | -2.8 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 2.000 | 1.865 | 6.8 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 2.000 | 2.026 | -1.3 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.812 | -8.1 | 100 | 0.00 |
| 31 TMP Benzene | 2.000 | 1.953 | 2.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 2.000 | 1.983 | 0.8 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 2.000 | 1.853 | 7.4 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 2.000 | 1.975 | 1.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 9.937 | 0.6 | 100 | 0.00 |
| 36 TMP Dibromomethane | 2.000 | 2.285 | -14.3 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 10.000 | 9.379 | 6.2 | 100 | 0.01 |
| 38 TMP cis-1,3-Dichloropropene | 2.000 | 1.915 | 4.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 2.000 | 2.000 | 0.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 2.000 | 1.919 | 4.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 2.000 | 2.005 | -0.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 10.000 | 10.387 | -3.9 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 2.000 | 2.051 | -2.6 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 2.000 | 2.055 | -2.8 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 2.000 | 1.941 | 2.9 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 2.000 | 2.012 | -0.6 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 2.000 | 2.132 | -6.6 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 2.000 | 2.022 | -1.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 2.000 | 2.019 | -1.0 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 4.000 | 3.977 | 0.6 | 100 | 0.00 |
| 52 TMP o-Xylene | 2.000 | 1.984 | 0.8 | 100 | 0.00 |
| 53 TMP Styrene | 2.000 | 2.072 | -3.6 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 2.000 | 2.024 | -1.2 | 100 | 0.00 |
| 55 TMP Bromoform | 2.000 | 1.707 | 14.6 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.877 | 1.2 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.000 | 2.132 | -6.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 2.000 | 1.990 | 0.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.000 | 1.941 | 2.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 2.000 | 2.034 | -1.7 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 2.000 | 1.983 | 0.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.000 | 1.990 | 0.5 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.000 | 2.017 | -0.8 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.000 | 1.984 | 0.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.000 | 1.934 | 3.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.000 | 1.995 | 0.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.000 | 1.952 | 2.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 2.000 | 2.047 | -2.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 2.000 | 1.944 | 2.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 2.000 | 2.063 | -3.2 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 2.000 | 1.939 | 3.0 | 99 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 2.000 | 1.854 | 7.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 2.000 | 2.052 | -2.6 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.000 | 1.937 | 3.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 2.000 | 1.943 | 2.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | # | -0.03 |
| 3 S Dibromofluoromethane | 0.284 | 0.291 | -2.5 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.832 | 5.6 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.097 | -0.3 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 1.009 | -6.7 | 104 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.778 | -13.4 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.694 | -13.4 | 108 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.167 | -5.6 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | # | 0.00 |
| 11 TMP Acetone | 0.058 | 0.064 | -10.3 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.468 | -1.3 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.471 | 1.9 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.397 | -28.1# | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.042 | -2.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.974 | -7.3 | 102 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.335 | -4.0 | 106 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.092 | 2.0 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.685 | -2.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.395 | -16.9 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.396 | -1.5 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.349 | -0.6 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.610 | -1.5 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.198 | 7.5 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.875 | -1.4 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.570 | 10.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.530 | -2.7 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.413 | 6.6 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.338 | -1.2 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.066 | -8.2 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.305 | 2.4 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.343 | 0.9 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.296 | 7.5 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.397 | 1.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.971 | 0.6 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.220 | -14.0 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.050 | 5.7 | 100 | 0.01 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.443 | 4.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.015 | 7.8 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.554 | 4.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.336 | 0.0 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.453 | -3.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050916.D
 Acq On : 09 May 2023 07:01 pm
 Operator :
 Sample : 2 ppb 8260 ICAL 69-40L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:51 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.573 | -2.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.351 | 3.6 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.355 | 3.0 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.397 | -0.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 1.014 | -6.6 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.983 | -1.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.349 | -0.9 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.716 | 0.7 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.728 | 0.8 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.098 | -3.6 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.645 | -1.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.207 | 14.8 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.919 | 1.2 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.995 | -6.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.753 | 0.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.546 | 2.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.965 | -1.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.854 | 0.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.200 | 0.5 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.699 | -0.9 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.155 | 0.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.640 | 3.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.363 | 0.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.720 | 2.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.467 | -2.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.432 | 2.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.475 | -3.1 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.196 | 3.4 | 99 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.908 | 7.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.487 | -2.7 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.369 | 3.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.877 | 2.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 144194 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 106674 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 57470 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 42233 | 10.330 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 8969 | 10.129 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 101.30% | |
| 35) Toluene-d8 | 5.98 | 98 | 141393 | 10.034 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 100.30% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 52900 | 9.895 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 98.90% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.89 | 45 | 229 | No Calib | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 65772 | 5.179 | ppb | 95 |
| 5) Chloromethane | 1.22 | 50 | 75991 | 4.819 | ppb | 94 |
| 6] Vinyl chloride | 1.30 | 62 | 70072 | 5.136 | ppb | 100 |
| 7) Bromomethane | 1.52 | 94 | 60565 | 6.121 | ppb | 89 |
| 8] Chloroethane | 1.60 | 64 | 45323 | 5.132 | ppb | 100 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 78811 | 4.948 | ppb | 85 |
| 10) 2-Propanol | 2.40 | 45 | 3536 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 19920 | 23.859 | ppb | 99 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 32376 | 4.859 | ppb | 96 |
| 13) Hexane | 3.05 | 57 | 30763 | 4.444 | ppb | 98 |
| 14) Methylene chloride | 2.61 | 84 | 23301 | 5.204 | ppb | 98 |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 14537 | 24.375 | ppb | 89 |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 65228 | 4.981 | ppb | 99 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 21794 | 4.694 | ppb | 98 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 74992 | 4.668 | ppb | 97 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 46639 | 4.824 | ppb | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.55 | 87 | 22495 | 4.612 | ppb | 91 |
| 21) 2,2-Dichloropropane | 3.67 | 77 | 26236 | 4.665 | ppb | 92 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 23572 | 4.713 | ppb | 99 |
| 23) Chloroform | 3.94 | 83 | 39232 | 4.527 | ppb | 95 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 69286 | 22.456 | ppb | 98 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 56751 | 4.558 | ppb | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 39091 | 4.932 | ppb | 100 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 35772 | 4.807 | ppb | 99 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 31435 | 4.928 | ppb | 91 |
| 29) Carbon tetrachloride | 4.21 | 117 | 22895 | 4.753 | ppb | 95 |
| 31] Benzene | 4.38 | 78 | 89716 | 4.653 | ppb | 99 |
| 32] Trichloroethene | 4.93 | 95 | 23445 | 4.700 | ppb | 100 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 22982 | 4.983 | ppb | 98 |
| 34) Bromodichloromethane | 5.37 | 83 | 26091 | 4.497 | ppb | 97 |
| 36) Dibromomethane | 5.23 | 93 | 13185 | 4.738 | ppb | 90 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

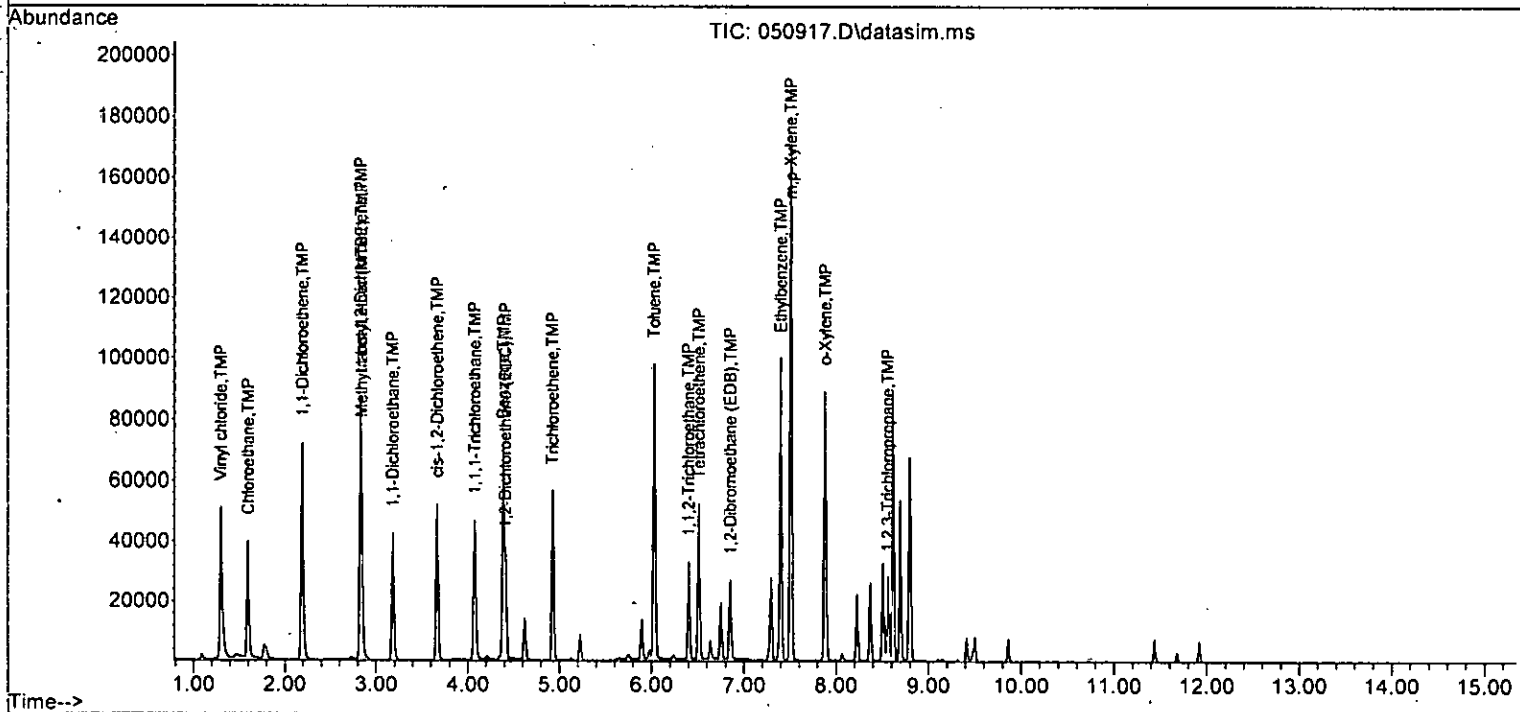
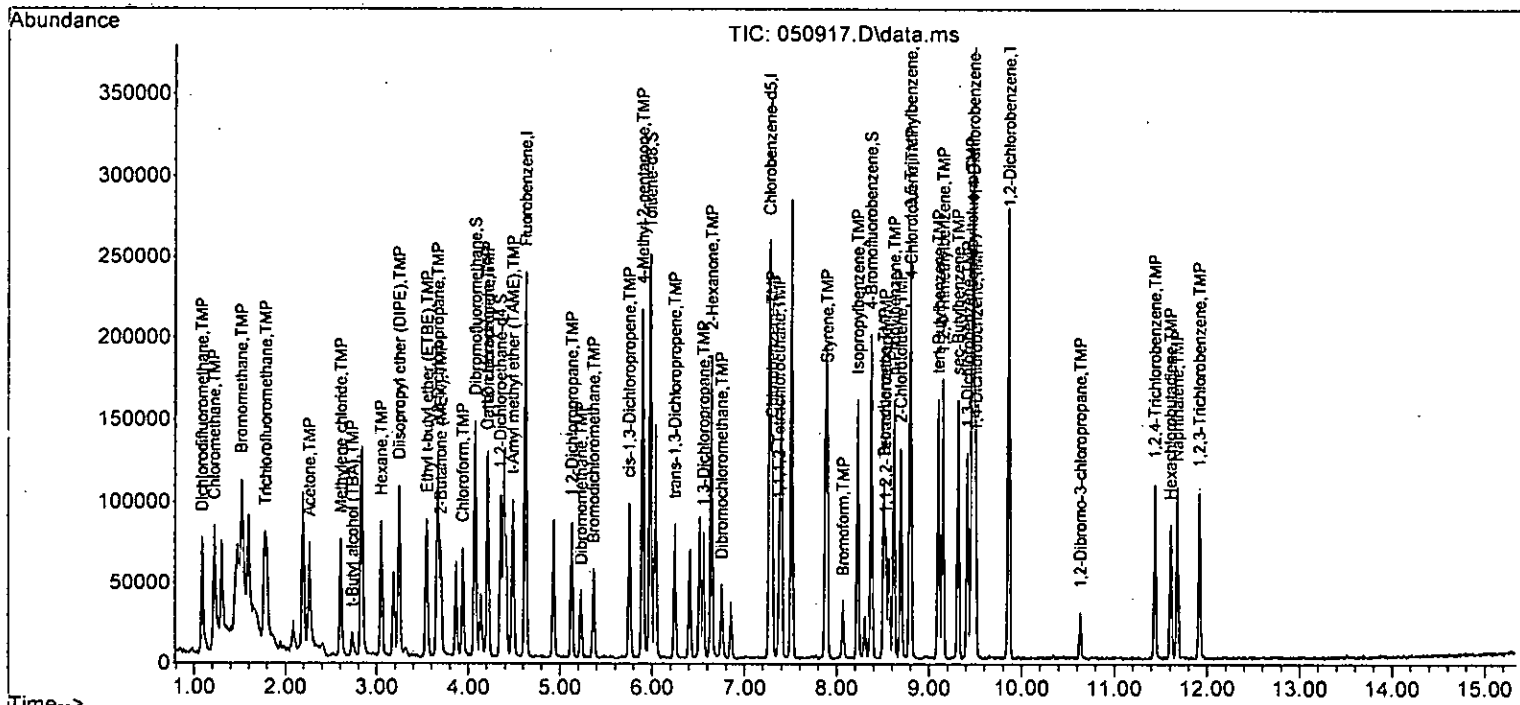
Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 17572 | 22.828 | ppb | 93 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 31012 | 4.644 | ppb | 85 |
| 40] Toluene | 6.03 | 92 | 49499 | 4.592 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 29584 | 4.808 | ppb | 92 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 16434 | 4.590 | ppb | 97 |
| 43) 2-Hexanone | 6.64 | 43 | 109851 | 23.587 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 29464 | 4.944 | ppb | 83 |
| 45] Tetrachloroethene | 6.51 | 164 | 17193 | 4.729 | ppb | 100 |
| 46) Dibromochloromethane | 6.75 | 129 | 17523 | 4.490 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 19541 | 4.636 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 48947 | 4.825 | ppb | 88 |
| 49] Ethylbenzene | 7.40 | 91 | 97426 | 4.655 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 17516 | 4.745 | ppb | 91 |
| 51] m,p-Xylene | 7.51 | 106 | 70097 | 9.119 | ppb | 99 |
| 52] o-Xylene | 7.88 | 106 | 35370 | 4.516 | ppb | 100 |
| 53) Styrene | 7.90 | 104 | 50575 | 4.472 | ppb | 95 |
| 54) Isopropylbenzene | 8.23 | 105 | 80612 | 4.647 | ppb | 99 |
| 55) Bromoform | 8.07 | 173 | 12074 | 4.658 | ppb | 93 |
| 58) n-Propylbenzene | 8.62 | 91 | 102668 | 4.766 | ppb | 99 |
| 59) Bromobenzene | 8.51 | 156 | 21931 | 5.041 | ppb | 91 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 69405 | 4.604 | ppb | 96 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 24783 | 4.548 | ppb | 92 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 23000 | 4.646 | ppb | 99 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 58858 | 4.632 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 69514 | 4.520 | ppb | 100 |
| 65) tert-Butylbenzene | 9.10 | 119 | 59242 | 4.746 | ppb | 99 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 71401 | 4.550 | ppb | 98 |
| 67) sec-Butylbenzene | 9.31 | 105 | 87360 | 4.510 | ppb | 94 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 75212 | 4.695 | ppb | 96 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 38123 | 4.629 | ppb | 94 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 40879 | 4.828 | ppb | 93 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 38231 | 4.653 | ppb | 99 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 5044 | 4.330 | ppb | 83 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 25960 | 4.611 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 12522 | 4.592 | ppb | 83 |
| 75) Naphthalene | 11.68 | 128 | 64781 | 4.608 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 24076 | 4.640 | ppb | 93 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.03 |
| 3 S | Dibromofluoromethane | 10.000 | 10.330 | -3.3 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 5.000 | 5.179 | -3.6 | 100 | 0.00 |
| 5 TMP | Chloromethane | 5.000 | 4.819 | 3.6 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 5.000 | 5.136 | -2.7 | 100 | 0.00 |
| 7 TMP | Bromomethane | 5.000 | 6.121 | -22.4# | 120 | 0.00 |
| 8 TMP | Chloroethane | 5.000 | 5.132 | -2.6 | 100 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 5.000 | 4.948 | 1.0 | 100 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 25.000 | 23.859 | 4.6 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 5.000 | 4.859 | 2.8 | 100 | 0.00 |
| 13 TMP | Hexane | 5.000 | 4.444 | 11.1 | 100 | 0.00 |
| 14 TMP | Methylene chloride | 5.000 | 5.204 | -4.1 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 25.000 | 24.375 | 2.5 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 5.000 | 4.981 | 0.4 | 100 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 5.000 | 4.694 | 6.1 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 5.000 | 4.668 | 6.6 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 5.000 | 4.824 | 3.5 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 5.000 | 4.612 | 7.8 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 5.000 | 4.665 | 6.7 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 5.000 | 4.713 | 5.7 | 100 | 0.00 |
| 23 TMP | Chloroform | 5.000 | 4.527 | 9.5 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 25.000 | 22.456 | 10.2 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 5.000 | 4.558 | 8.8 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 5.000 | 4.932 | 1.4 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 5.000 | 4.807 | 3.9 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 5.000 | 4.928 | 1.4 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 5.000 | 4.753 | 4.9 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.129 | -1.3 | 100 | 0.00 |
| 31 TMP | Benzene | 5.000 | 4.653 | 6.9 | 100 | 0.00 |
| 32 TMP | Trichloroethene | 5.000 | 4.700 | 6.0 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 5.000 | 4.983 | 0.3 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 5.000 | 4.497 | 10.1 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.034 | -0.3 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 5.000 | 4.738 | 5.2 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 25.000 | 22.828 | 8.7 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 5.000 | 4.644 | 7.1 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 5.000 | 4.592 | 8.2 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 5.000 | 4.808 | 3.8 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 5.000 | 4.590 | 8.2 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 25.000 | 23.587 | 5.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 5.000 | 4.944 | 1.1 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 5.000 | 4.729 | 5.4 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 5.000 | 4.490 | 10.2 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 5.000 | 4.636 | 7.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 5.000 | 4.825 | 3.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 5.000 | 4.655 | 6.9 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 5.000 | 4.745 | 5.1 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 10.000 | 9.119 | 8.8 | 100 | 0.00 |
| 52 TMP o-Xylene | 5.000 | 4.516 | 9.7 | 100 | 0.00 |
| 53 TMP Styrene | 5.000 | 4.472 | 10.6 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 5.000 | 4.647 | 7.1 | 100 | 0.00 |
| 55 TMP Bromoform | 5.000 | 4.658 | 6.8 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.895 | 1.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 5.000 | 4.766 | 4.7 | 100 | 0.00 |
| 59 TMP Bromobenzene | 5.000 | 5.041 | -0.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 5.000 | 4.604 | 7.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 5.000 | 4.548 | 9.0 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 5.000 | 4.646 | 7.1 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 5.000 | 4.632 | 7.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 5.000 | 4.520 | 9.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 5.000 | 4.746 | 5.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 5.000 | 4.550 | 9.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 5.000 | 4.510 | 9.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 5.000 | 4.695 | 6.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 5.000 | 4.629 | 7.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 5.000 | 4.828 | 3.4 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 5.000 | 4.653 | 6.9 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 5.000 | 4.330 | 13.4 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 5.000 | 4.611 | 7.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 5.000 | 4.592 | 8.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 5.000 | 4.608 | 7.8 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 5.000 | 4.640 | 7.2 | 100 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF.Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.03 |
| 3 S Dibromofluoromethane | 0.284 | 0.293 | -3.2 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.912 | -3.5 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.054 | 3.7 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.972 | -2.7 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.840 | -22.4# | 120 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.629 | -2.8 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.093 | 1.1 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.055 | 5.2 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.449 | 2.8 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.427 | 11.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.323 | -4.2 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.040 | 2.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.905 | 0.3 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.302 | 6.2 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.040 | 6.6 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.647 | 3.4 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.312 | 7.7 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.364 | 6.7 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.327 | 5.8 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.544 | 9.5 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.192 | 10.3 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.787 | 8.8 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.542 | 15.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.496 | 3.9 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.436 | 1.4 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.318 | 4.8 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.062 | -1.6 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.244 | 7.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.325 | 6.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.319 | 0.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.362 | 10.0 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.981 | -0.4 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.183 | 5.2 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.049 | 7.5 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.430 | 7.1 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.928 | 15.7 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.555 | 3.8 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.308 | 8.3 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.412 | 5.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050917.D
 Acq On : 09 May 2023 07:24 pm
 Operator :
 Sample : 5 ppb 8260 ICAL 69-40M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:54 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.552 | 1.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.322 | 11.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.329 | 10.1 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.366 | 7.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.918 | 3.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.827 | 6.9 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.328 | 5.2 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.657 | 8.9 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.663 | 9.7 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.948 | 10.6 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.511 | 7.1 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.226 | 7.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 0.930 | 0.920 | 1.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.573 | 4.7 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.763 | -0.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.415 | 7.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.862 | 9.1 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.800 | 7.1 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.048 | 7.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.419 | 9.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.062 | 5.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.485 | 9.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.040 | 9.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.617 | 6.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.327 | 7.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.423 | 3.4 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.330 | 7.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.176 | 13.3 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.903 | 7.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.436 | 8.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.254 | 7.8 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.838 | 7.2 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 147294 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 108377 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 56644 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 40458 | 9.688 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 96.90% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9038 | 9.992 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 99.90% | |
| 35) Toluene-d8 | 5.98 | 98 | 146555 | 10.182 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 101.80% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 54107 | 10.268 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 102.70% | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 0.00 | | 0 | N.D. | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 130615 | 10.069 | ppb | 100 | |
| 5) Chloromethane | 1.22 | 50 | 149421 | 9.276 | ppb | 100 | |
| 6] Vinyl chloride | 1.30 | 62 | 141773 | 10.173 | ppb | 100 | |
| 7) Bromomethane | 1.52 | 94 | 96260 | 9.524 | ppb | 100 | |
| 8] Chloroethane | 1.60 | 64 | 90412 | 10.023 | ppb | 100 | |
| 9) Trichlorofluoromethane | 1.77 | 101 | 148357 | 9.119 | ppb | 100 | |
| 10) 2-Propanol | 2.39 | 45 | 3930 | No Calib | | | |
| 11) Acetone | 2.26 | 58 | 39692 | 46.541 | ppb | 100 | |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 65083 | 9.563 | ppb | 100 | |
| 13) Hexane | 3.05 | 57 | 63646 | 9.001 | ppb | 100 | |
| 14) Methylene chloride | 2.61 | 84 | 43789 | 9.575 | ppb | 100 | |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 29591 | 48.572 | ppb | 100 | |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 131754 | 9.849 | ppb | 100 | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 43738 | 9.221 | ppb | 100 | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 154310 | 9.403 | ppb | 100 | |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 94954 | 9.615 | ppb | 100 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 47752 | 9.584 | ppb | 100 | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 54662 | 9.514 | ppb | 100 | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 47927 | 9.382 | ppb | 100 | |
| 23) Chloroform | 3.94 | 83 | 83020 | 9.377 | ppb | 100 | |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 161799 | 51.336 | ppb | 100 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 119611 | 9.405 | ppb | 100 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 78589 | 9.732 | ppb | 100 | |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 73078 | 9.614 | ppb | 100 | |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 60943 | 9.352 | ppb | 100 | |
| 29) Carbon tetrachloride | 4.21 | 117 | 47450 | 9.643 | ppb | 100 | |
| 31] Benzene | 4.38 | 78 | 183147 | 9.299 | ppb | 100 | |
| 32] Trichloroethene | 4.93 | 95 | 48362 | 9.490 | ppb | 100 | |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 44626 | 9.473 | ppb | 100 | |
| 34) Bromodichloromethane | 5.37 | 83 | 54682 | 9.227 | ppb | 100 | |
| 36) Dibromomethane | 5.23 | 93 | 26898 | 9.461 | ppb | 100 | |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

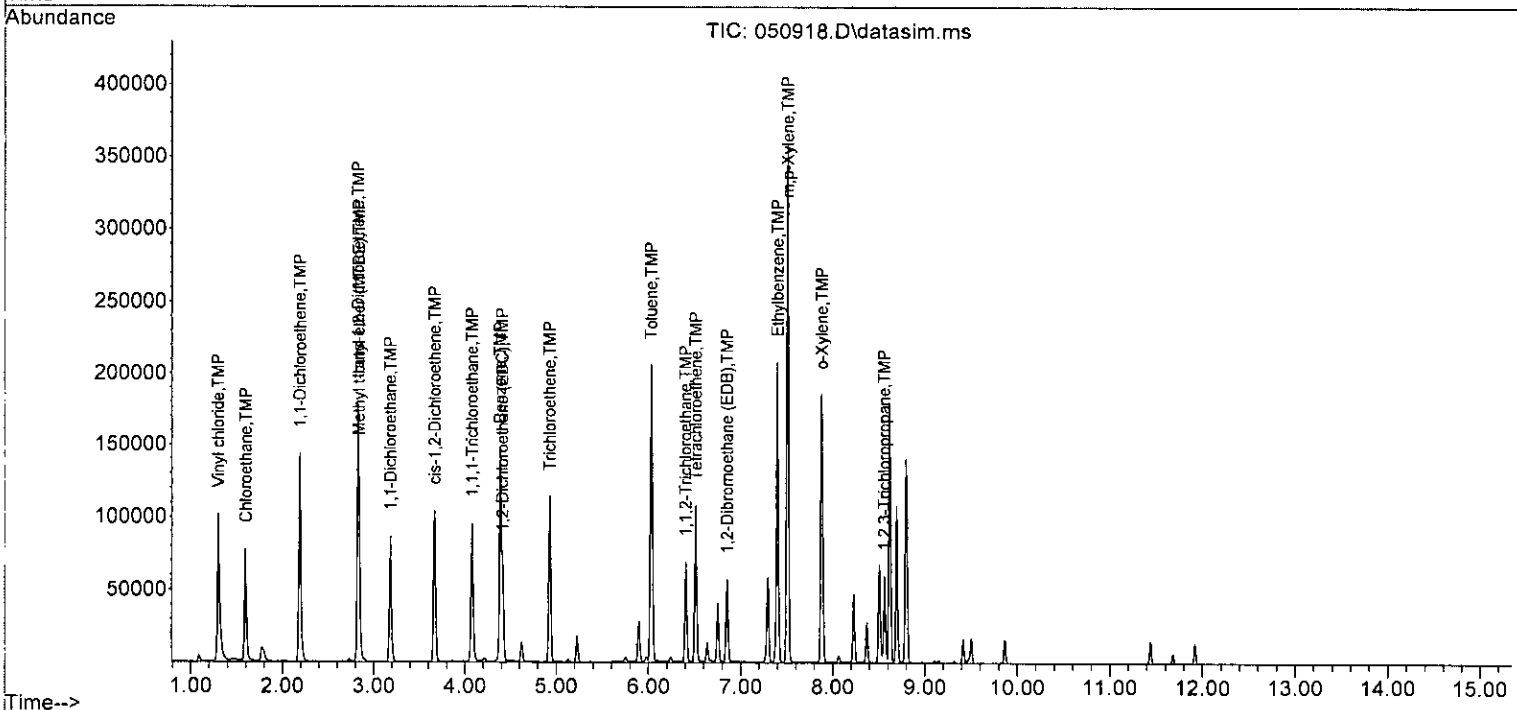
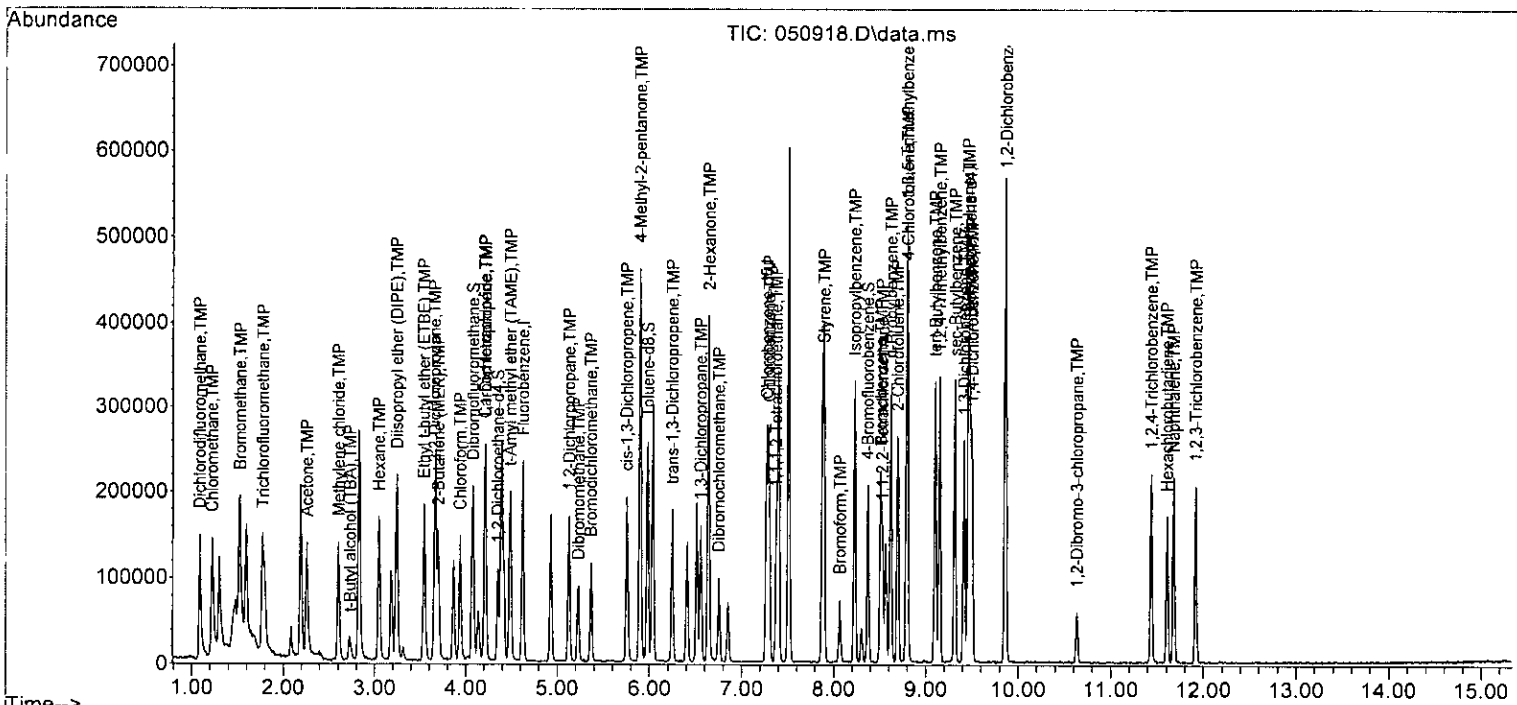
Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 37067 | 47.141 | ppb | 100 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 67934 | 9.958 | ppb | 100 |
| 40] Toluene | 6.03 | 92 | 104140 | 9.524 | ppb | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 60648 | 9.702 | ppb | 100 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 34670 | 9.531 | ppb | 100 |
| 43) 2-Hexanone | 6.64 | 43 | 235895 | 49.856 | ppb | 100 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 60887 | 10.057 | ppb | 100 |
| 45] Tetrachloroethene | 6.51 | 164 | 35451 | 9.609 | ppb | 100 |
| 46) Dibromochloromethane | 6.75 | 129 | 37814 | 9.537 | ppb | 100 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 41409 | 9.670 | ppb | 100 |
| 48) Chlorobenzene | 7.30 | 112 | 105043 | 10.191 | ppb | 100 |
| 49] Ethylbenzene | 7.40 | 91 | 202185 | 9.508 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 35337 | 9.421 | ppb | 100 |
| 51] m,p-Xylene | 7.51 | 106 | 146532 | 18.764 | ppb | 100 |
| 52] o-Xylene | 7.88 | 106 | 73521 | 9.240 | ppb | 100 |
| 53) Styrene | 7.90 | 104 | 106371 | 9.258 | ppb | 100 |
| 54) Isopropylbenzene | 8.23 | 105 | 166933 | 9.473 | ppb | 100 |
| 55) Bromoform | 8.07 | 173 | 25200 | 9.570 | ppb | 100 |
| 58) n-Propylbenzene | 8.62 | 91 | 212006 | 9.986 | ppb | 100 |
| 59) Bromobenzene | 8.51 | 156 | 42524 | 9.917 | ppb | 100 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 140718 | 9.470 | ppb | 100 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 51791 | 9.643 | ppb | 100 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 48167 | 9.873 | ppb | 100 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 122626 | 9.791 | ppb | 100 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 143026 | 9.435 | ppb | 100 |
| 65) tert-Butylbenzene | 9.10 | 119 | 123325 | 10.024 | ppb | 100 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 147075 | 9.510 | ppb | 100 |
| 67) sec-Butylbenzene | 9.32 | 105 | 183622 | 9.617 | ppb | 100 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 151374 | 9.588 | ppb | 100 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 78623 | 9.686 | ppb | 100 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 80027 | 9.589 | ppb | 100 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 80341 | 9.920 | ppb | 100 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 11070 | 9.642 | ppb | 100 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 51691 | 9.314 | ppb | 100 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 26869 | 9.998 | ppb | 100 |
| 75) Naphthalene | 11.68 | 128 | 132914 | 9.593 | ppb | 100 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 48173 | 9.420 | ppb | 100 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -1.86# |
| 3 S Dibromofluoromethane | 10.000 | 9.688 | 3.1 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 10.000 | 10.069 | -0.7 | 100 | 0.00 |
| 5 TMP Chloromethane | 10.000 | 9.276 | 7.2 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 10.000 | 10.173 | -1.7 | 100 | 0.00 |
| 7 TMP Bromomethane | 10.000 | 9.524 | 4.8 | 100 | 0.00 |
| 8 TMP Chloroethane | 10.000 | 10.023 | -0.2 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 10.000 | 9.119 | 8.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 50.000 | 46.541 | 6.9 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 10.000 | 9.563 | 4.4 | 100 | 0.00 |
| 13 TMP Hexane | 10.000 | 9.001 | 10.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 10.000 | 9.575 | 4.3 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 50.000 | 48.572 | 2.9 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 10.000 | 9.849 | 1.5 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 10.000 | 9.221 | 7.8 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 10.000 | 9.403 | 6.0 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 10.000 | 9.615 | 3.8 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 10.000 | 9.584 | 4.2 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 10.000 | 9.514 | 4.9 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 10.000 | 9.382 | 6.2 | 100 | 0.00 |
| 23 TMP Chloroform | 10.000 | 9.377 | 6.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 50.000 | 51.336 | -2.7 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 10.000 | 9.405 | 6.0 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 10.000 | 9.732 | 2.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 10.000 | 9.614 | 3.9 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 10.000 | 9.352 | 6.5 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 10.000 | 9.643 | 3.6 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.992 | 0.1 | 100 | 0.00 |
| 31 TMP Benzene | 10.000 | 9.299 | 7.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 10.000 | 9.490 | 5.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 10.000 | 9.473 | 5.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 10.000 | 9.227 | 7.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.182 | -1.8 | 100 | 0.00 |
| 36 TMP Dibromomethane | 10.000 | 9.461 | 5.4 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 50.000 | 47.141 | 5.7 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 10.000 | 9.958 | 0.4 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 10.000 | 9.524 | 4.8 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 10.000 | 9.702 | 3.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 10.000 | 9.531 | 4.7 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 50.000 | 49.856 | 0.3 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 10.057 | -0.6 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 9.609 | 3.9 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 9.537 | 4.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.670 | 3.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 10.191 | -1.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.508 | 4.9 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 9.421 | 5.8 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 18.764 | 6.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 9.240 | 7.6 | 100 | 0.00 |
| 53 TMP Styrene | 10.000 | 9.258 | 7.4 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 9.473 | 5.3 | 100 | 0.00 |
| 55 TMP Bromoform | 10.000 | 9.570 | 4.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.268 | -2.7 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 9.986 | 0.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 9.917 | 0.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 9.470 | 5.3 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 9.643 | 3.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.873 | 1.3 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 9.791 | 2.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.435 | 5.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 10.024 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.510 | 4.9 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.617 | 3.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.588 | 4.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 9.686 | 3.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.589 | 4.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 9.920 | 0.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 9.642 | 3.6 | 99 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 9.314 | 6.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 9.998 | 0.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 9.593 | 4.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 9.420 | 5.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\V8050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -1.86# |
| 3 S Dibromofluoromethane | 0.284 | 0.275 | 3.2 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.887 | -0.7 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.014 | 7.3 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.963 | -1.8 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.654 | 4.7 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.614 | -0.3 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.007 | 8.9 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.054 | 6.9 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.442 | 4.3 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.432 | 10.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.297 | 4.2 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.040 | 2.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.894 | 1.5 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.297 | 7.8 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.048 | 5.9 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.645 | 3.7 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.324 | 4.1 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.371 | 4.9 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.325 | 6.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.564 | 6.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.220 | -2.8 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.812 | 5.9 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.534 | 16.3 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.496 | 3.9 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.414 | 6.3 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.322 | 3.6 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.061 | 0.0 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.243 | 7.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.328 | 5.2 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.303 | 5.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.371 | 7.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.995 | -1.8 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.183 | 5.2 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.050 | 5.7 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.461 | 0.4 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.961 | 12.7 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.560 | 2.9 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.320 | 4.8 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.435 | 0.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050918.D
 Acq On : 09 May 2023 07:46 pm
 Operator :
 Sample : 10 ppb 8260 ICAL 69-40N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:50:57 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.562 | -0.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.327 | 10.2 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.349 | 4.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.382 | 3.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.969 | -1.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.866 | 4.9 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.326 | 5.8 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.676 | 6.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.678 | 7.6 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.981 | 7.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.540 | 5.3 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.233 | 4.1 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.955 | -2.7 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.743 | 0.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.751 | 0.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.484 | 5.3 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.914 | 3.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.850 | 1.3 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.165 | 2.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.525 | 5.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.177 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.596 | 4.9 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.242 | 3.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.672 | 4.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.388 | 3.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.413 | 4.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.418 | 0.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.195 | 3.9 | 99 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.913 | 6.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.474 | 0.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.346 | 4.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.850 | 5.9 | 100 | 0.00 |

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 143821 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 109223 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 58073 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 41736 | 10.235 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 102.40% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 8173 | 9.254 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 92.50% | |
| 35) Toluene-d8 | 5.98 | 98 | 148350 | 10.555 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 105.60% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 54272 | 10.046 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 100.50% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.83 | 45 | 182 | No Calib | # | Qvalue |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 244583 | 19.310 | ppb | 93 |
| 5) Chloromethane | 1.22 | 50 | 297664 | 18.925 | ppb | 95 |
| 6] Vinyl chloride | 1.29 | 62 | 284867 | 20.934 | ppb | 92 |
| 7) Bromomethane | 1.52 | 94 | 190994 | 19.354 | ppb | 96 |
| 8] Chloroethane | 1.59 | 64 | 173114 | 19.654 | ppb | 96 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 295901 | 18.626 | ppb | 95 |
| 10) 2-Propanol | 2.39 | 45 | 4250 | No Calib | # | |
| 11) Acetone | 2.25 | 58 | 74552 | 89.527 | ppb | 97 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 123570 | 18.595 | ppb | 94 |
| 13) Hexane | 3.05 | 57 | 126218 | 18.280 | ppb | 99 |
| 14) Methylene chloride | 2.60 | 84 | 83206 | 18.633 | ppb | 91 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 55745 | 93.712 | ppb | 83 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 252141 | 19.303 | ppb | 96 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 83582 | 18.047 | ppb | 96 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 293157 | 18.296 | ppb | 96 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 182034 | 18.878 | ppb | 98 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 93858 | 19.292 | ppb | 93 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 101797 | 18.146 | ppb | 95 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 92640 | 18.572 | ppb | 97 |
| 23) Chloroform | 3.94 | 83 | 154740 | 17.900 | ppb | 92 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 272085 | 88.412 | ppb | 99 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 229421 | 18.475 | ppb | 97 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 152812 | 19.404 | ppb | 100 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 142220 | 19.162 | ppb | 99 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 118399 | 18.608 | ppb | 94 |
| 29) Carbon tetrachloride | 4.21 | 117 | 91780 | 19.103 | ppb | 89 |
| 31] Benzene | 4.39 | 78 | 354695 | 18.444 | ppb | 99 |
| 32] Trichloroethene | 4.93 | 95 | 92482 | 18.587 | ppb | 96 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 89424 | 19.441 | ppb | 99 |
| 34) Bromodichloromethane | 5.37 | 83 | 104058 | 17.982 | ppb | 93 |
| 36) Dibromomethane | 5.22 | 93 | 54363 | 19.584 | ppb | 90 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 72720 | 94.718 | ppb | 86 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 128860 | 19.345 | ppb | 97 |
| 40] Toluene | 6.03 | 92 | 202798 | 18.417 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 115408 | 18.318 | ppb | 99 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 67237 | 18.341 | ppb | 98 |
| 43) 2-Hexanone | 6.64 | 43 | 441633 | 92.615 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 116908 | 19.160 | ppb | 100 |
| 45] Tetrachloroethene | 6.51 | 164 | 68937 | 18.551 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 77131 | 19.303 | ppb | 91 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 80700 | 18.700 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 194390 | 18.713 | ppb | 93 |
| 49] Ethylbenzene | 7.40 | 91 | 394535 | 18.409 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 69227 | 18.314 | ppb | 92 |
| 51] m,p-Xylene | 7.51 | 106 | 284818 | 36.189 | ppb | 97 |
| 52] o-Xylene | 7.88 | 106 | 143955 | 17.952 | ppb | 98 |
| 53) Styrene | 7.90 | 104 | 206311 | 17.816 | ppb | 97 |
| 54) Isopropylbenzene | 8.23 | 105 | 330696 | 18.620 | ppb | 91 |
| 55) Bromoform | 8.07 | 173 | 50280 | 18.946 | ppb | 95 |
| 58) n-Propylbenzene | 8.62 | 91 | 413023 | 18.975 | ppb | 98 |
| 59) Bromobenzene | 8.51 | 156 | 82652 | 18.801 | ppb | 96 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 280140 | 18.390 | ppb | 97 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 104421 | 18.963 | ppb | 95 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 93679 | 18.729 | ppb | 98 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 244936 | 19.076 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 286881 | 18.458 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 239075 | 18.955 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 295041 | 18.608 | ppb | 100 |
| 67) sec-Butylbenzene | 9.31 | 105 | 373967 | 19.104 | ppb | 100 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 302352 | 18.679 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 163422 | 19.637 | ppb | 94 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 160051 | 18.706 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 154664 | 18.627 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 23649 | 20.092 | ppb | 94 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 104018 | 18.282 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 52055 | 18.893 | ppb | 99 |
| 75) Naphthalene | 11.68 | 128 | 270195 | 19.022 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 97557 | 18.608 | ppb | 88 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|--------|------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -0.03 |
| 3 S Dibromofluoromethane | 10.000 | 10.235 | -2.3 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 20.000 | 19.310 | 3.5 | 100 | 0.00 |
| 5 TMP Chloromethane | 20.000 | 18.925 | 5.4 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 20.000 | 20.934 | -4.7 | 100 | 0.00 |
| 7 TMP Bromomethane | 20.000 | 19.354 | 3.2 | 100 | 0.00 |
| 8 TMP Chloroethane | 20.000 | 19.654 | 1.7 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 20.000 | 18.626 | 6.9 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 100.000 | 89.527 | 10.5 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 20.000 | 18.595 | 7.0 | 100 | 0.00 |
| 13 TMP Hexane | 20.000 | 18.280 | 8.6 | 100 | 0.00 |
| 14 TMP Methylene chloride | 20.000 | 18.633 | 6.8 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 100.000 | 93.712 | 6.3 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 20.000 | 19.303 | 3.5 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 20.000 | 18.047 | 9.8 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 20.000 | 18.296 | 8.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 20.000 | 18.878 | 5.6 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 20.000 | 19.292 | 3.5 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 20.000 | 18.146 | 9.3 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 20.000 | 18.572 | 7.1 | 100 | 0.00 |
| 23 TMP Chloroform | 20.000 | 17.900 | 10.5 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 100.000 | 88.412 | 11.6 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 20.000 | 18.475 | 7.6 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 20.000 | 19.404 | 3.0 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 20.000 | 19.162 | 4.2 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 20.000 | 18.608 | 7.0 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 20.000 | 19.103 | 4.5 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.254 | 7.5 | 100 | 0.00 |
| 31 TMP Benzene | 20.000 | 18.444 | 7.8 | 100 | 0.00 |
| 32 TMP Trichloroethene | 20.000 | 18.587 | 7.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 20.000 | 19.441 | 2.8 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 20.000 | 17.982 | 10.1 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.555 | -5.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 20.000 | 19.584 | 2.1 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 100.000 | 94.718 | 5.3 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 20.000 | 19.345 | 3.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 20.000 | 18.417 | 7.9 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 20.000 | 18.318 | 8.4 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 20.000 | 18.341 | 8.3 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 100.000 | 92.615 | 7.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 20.000 | 19.160 | 4.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 20.000 | 18.551 | 7.2 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 20.000 | 19.303 | 3.5 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 20.000 | 18.700 | 6.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 20.000 | 18.713 | 6.4 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 20.000 | 18.409 | 8.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 20.000 | 18.314 | 8.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 40.000 | 36.189 | 9.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 20.000 | 17.952 | 10.2 | 100 | 0.00 |
| 53 TMP Styrene | 20.000 | 17.816 | 10.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 20.000 | 18.620 | 6.9 | 100 | 0.00 |
| 55 TMP Bromoform | 20.000 | 18.946 | 5.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.046 | -0.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 20.000 | 18.975 | 5.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 20.000 | 18.801 | 6.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 20.000 | 18.390 | 8.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 20.000 | 18.963 | 5.2 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 20.000 | 18.729 | 6.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 20.000 | 19.076 | 4.6 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 20.000 | 18.458 | 7.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 20.000 | 18.955 | 5.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 20.000 | 18.608 | 7.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 20.000 | 19.104 | 4.5 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 20.000 | 18.679 | 6.6 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 20.000 | 19.637 | 1.8 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 20.000 | 18.706 | 6.5 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 20.000 | 18.627 | 6.9 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 20.000 | 20.092 | -0.5 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 20.000 | 18.282 | 8.6 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 20.000 | 18.893 | 5.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 20.000 | 19.022 | 4.9 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 20.000 | 18.608 | 7.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | # | -0.03 |
| 3 S Dibromofluoromethane | 0.284 | 0.290 | -2.1 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.850 | 3.5 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.035 | 5.4 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.990 | -4.7 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.664 | 3.2 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.602 | 1.6 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.029 | 6.9 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | # | 0.00 |
| 11 TMP Acetone | 0.058 | 0.052 | 10.3 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.430 | 6.9 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.439 | 8.5 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.289 | 6.8 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.039 | 4.9 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.877 | 3.4 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.291 | 9.6 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.019 | 8.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.633 | 5.5 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.326 | 3.6 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.354 | 9.2 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.322 | 7.2 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.538 | 10.5 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.189 | 11.7 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.798 | 7.5 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.531 | 16.8 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.494 | 4.3 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.412 | 6.8 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.319 | 4.5 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.057 | 6.6 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.233 | 7.8 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.322 | 6.9 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.311 | 2.8 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.362 | 10.0 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 1.031 | -5.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.189 | 2.1 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.051 | 3.8 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.448 | 3.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.928 | 15.7 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.528 | 8.5 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.308 | 8.3 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.404 | 7.6 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050919.D
 Acq On : 09 May 2023 08:09 pm
 Operator :
 Sample : 20 ppb 8260 ICAL 69-400
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:00 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.535 | 4.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.316 | 13.2 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.353 | 3.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.369 | 6.6 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.890 | 6.4 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.806 | 8.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.317 | 8.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.652 | 9.6 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.659 | 10.2 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.944 | 10.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.514 | 6.9 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.230 | 5.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.935 | -0.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.556 | 5.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.712 | 5.9 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.412 | 8.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.899 | 5.2 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.807 | 6.3 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.109 | 4.6 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.470 | 7.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.058 | 5.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.540 | 7.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.220 | 4.5 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.603 | 6.6 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.407 | 1.8 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.378 | 6.4 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.332 | 6.9 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.204 | -0.5 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.896 | 8.6 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.448 | 5.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.326 | 4.9 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.840 | 7.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 150130 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 114113 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 60830 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 43330 | 10.180 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 101.80% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9586 | 10.398 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 104.00% |
| 35) Toluene-d8 | 5.97 | 98 | 151439 | 10.322 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 103.20% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 56264 | 9.942 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 99.40% |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.85 | 45 | 89 | No Calib | # | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 660786 | 49.977 | ppb | 96 |
| 5) Chloromethane | 1.21 | 50 | 770260 | 46.914 | ppb | 92 |
| 6] Vinyl chloride | 1.29 | 62 | 731451 | 51.493 | ppb | 99 |
| 7) Bromomethane | 1.52 | 94 | 501846 | 48.716 | ppb | 89 |
| 8] Chloroethane | 1.59 | 64 | 439531 | 47.803 | ppb | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 772938 | 46.610 | ppb | 96 |
| 10) 2-Propanol | 2.39 | 45 | 3755 | No Calib | | |
| 11) Acetone | 2.25 | 58 | 191923 | 220.790 | ppb | # 86 |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 324806 | 46.823 | ppb | 88 |
| 13) Hexane | 3.05 | 57 | 358884 | 49.793 | ppb | 97 |
| 14) Methylene chloride | 2.60 | 84 | 211359 | 45.342 | ppb | 92 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 136094 | 219.170 | ppb | 93 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 655004 | 48.039 | ppb | 98 |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 217528 | 44.996 | ppb | 91 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 837979 | 50.100 | ppb | 99 |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 472424 | 46.936 | ppb | 96 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 244889 | 48.219 | ppb | 94 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 258663 | 44.171 | ppb | 98 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 243786 | 46.820 | ppb | 89 |
| 23) Chloroform | 3.94 | 83 | 407496 | 45.158 | ppb | 93 |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 784179 | 244.105 | ppb | 100 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 598612 | 46.179 | ppb | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 398831 | 48.554 | ppb | 99 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 371520 | 47.952 | ppb | 92 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 317996 | 47.876 | ppb | 95 |
| 29) Carbon tetrachloride | 4.21 | 117 | 247565 | 49.363 | ppb | 90 |
| 31] Benzene | 4.38 | 78 | 930556 | 46.355 | ppb | 98 |
| 32] Trichloroethene | 4.93 | 95 | 243808 | 46.940 | ppb | 93 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 237979 | 49.563 | ppb | 98 |
| 34) Bromodichloromethane | 5.37 | 83 | 293530 | 48.593 | ppb | 97 |
| 36) Dibromomethane | 5.22 | 93 | 139285 | 48.068 | ppb | 91 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

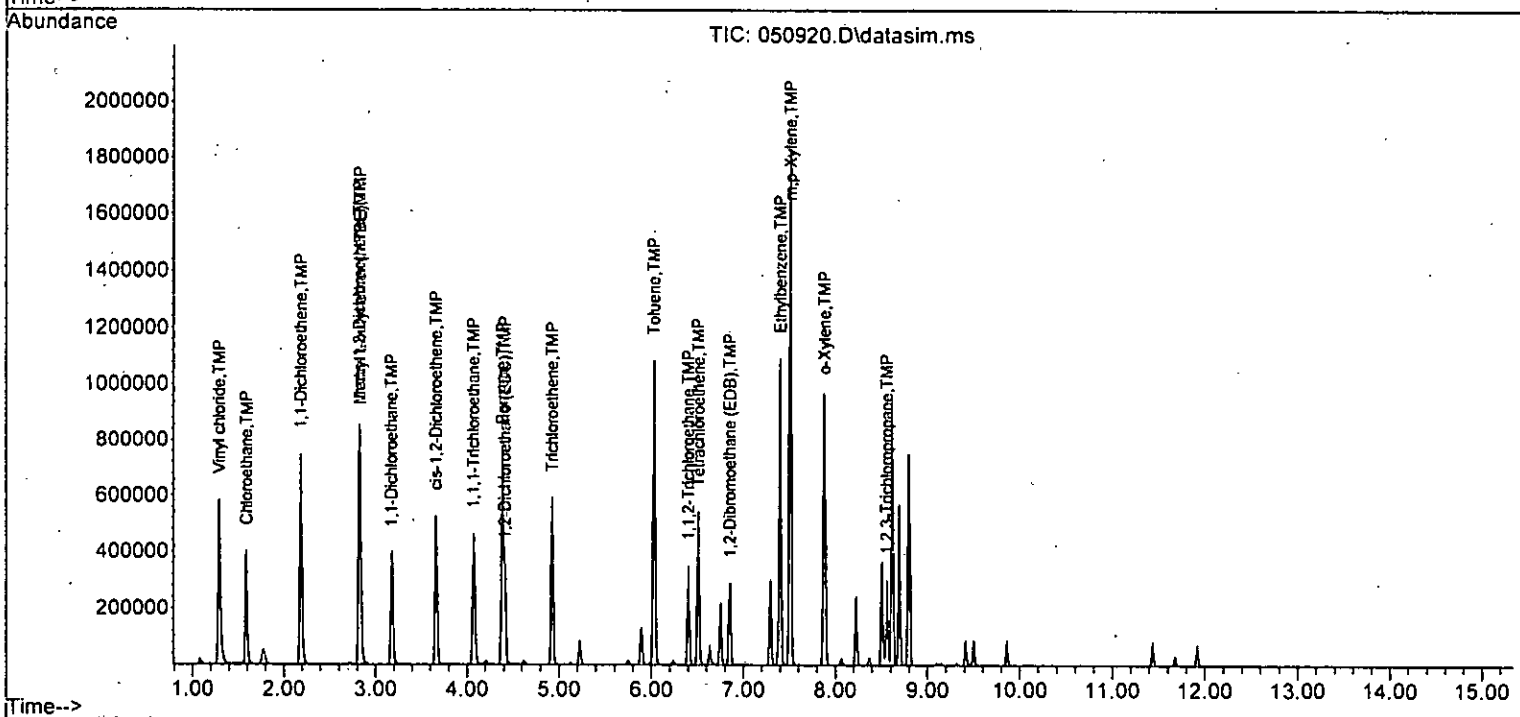
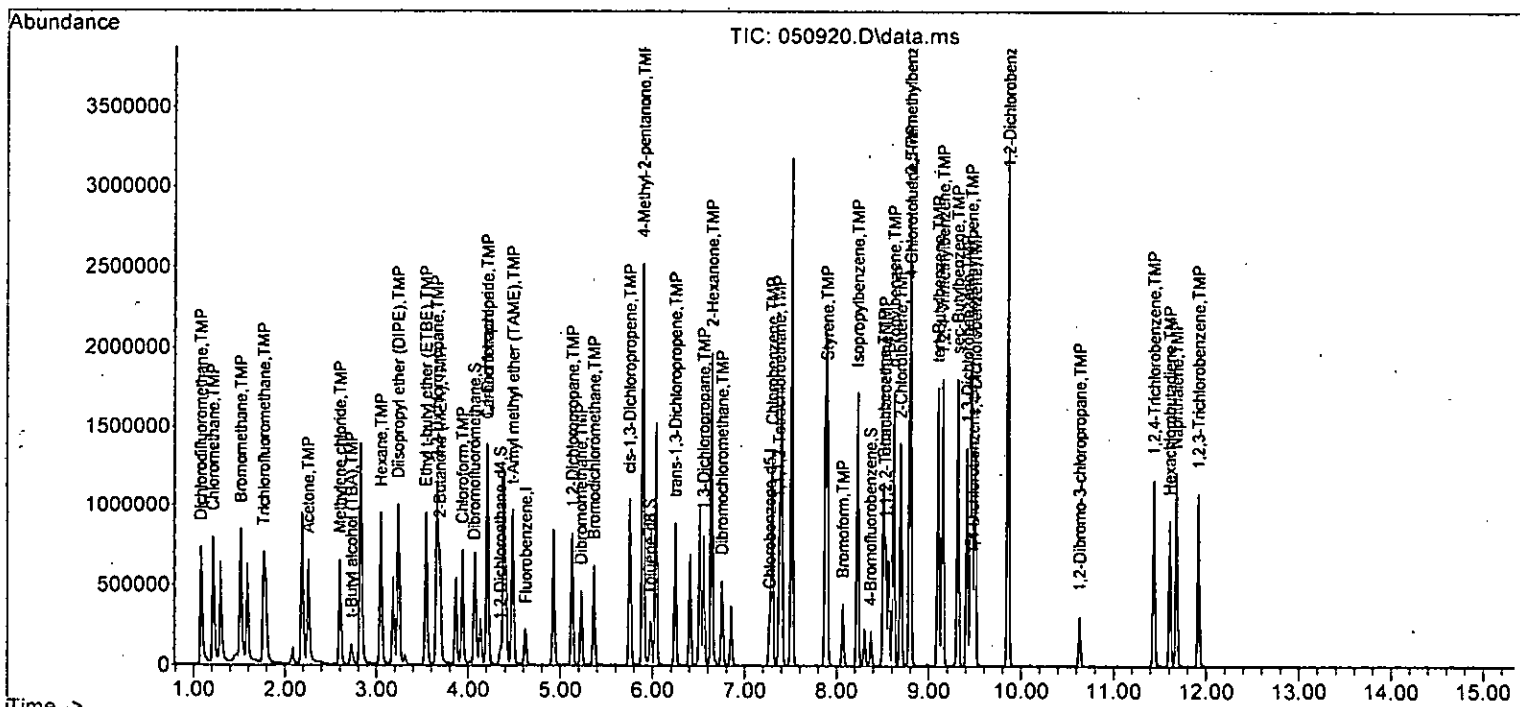
Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 193259 | 241.142 | ppb | 95 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 351969 | 50.618 | ppb | 95 |
| 40] Toluene | 6.03 | 92 | 540268 | 46.983 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 328115 | 49.849 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 179592 | 46.890 | ppb | 97 |
| 43) 2-Hexanone | 6.64 | 43 | 1206654 | 242.204 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 305067 | 47.855 | ppb | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 184563 | 47.554 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 205020 | 49.111 | ppb | 97 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 212325 | 47.093 | ppb | 98 |
| 48) Chlorobenzene | 7.30 | 112 | 530250 | 48.858 | ppb | 91 |
| 49] Ethylbenzene | 7.40 | 91 | 1046994 | 46.760 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 182539 | 46.221 | ppb | 95 |
| 51] m,p-Xylene | 7.51 | 106 | 766635 | 93.235 | ppb | 97 |
| 52] o-Xylene | 7.88 | 106 | 385650 | 46.031 | ppb | 98 |
| 53) Styrene | 7.90 | 104 | 567004 | 46.866 | ppb | 97 |
| 54) Isopropylbenzene | 8.23 | 105 | 879974 | 47.425 | ppb | 95 |
| 55) Bromoform | 8.07 | 173 | 141834 | 51.154 | ppb | 97 |
| 58) n-Propylbenzene | 8.62 | 91 | 1119965 | 49.122 | ppb | 100 |
| 59) Bromobenzene | 8.51 | 156 | 227207 | 49.340 | ppb | 91 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 767184 | 48.079 | ppb | 96 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 279997 | 48.544 | ppb | 98 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 244821 | 46.727 | ppb | 99 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 643354 | 47.833 | ppb | 96 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 779680 | 47.892 | ppb | 100 |
| 65) tert-Butylbenzene | 9.10 | 119 | 647641 | 49.020 | ppb | 95 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 803218 | 48.362 | ppb | 99 |
| 67) sec-Butylbenzene | 9.31 | 105 | 1019516 | 49.722 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 839589 | 49.519 | ppb | 96 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 431388 | 49.488 | ppb | 93 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 426451 | 47.583 | ppb | 95 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 418118 | 48.075 | ppb | 96 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 61678 | 50.025 | ppb | 93 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 287824 | 48.295 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 139423 | 48.309 | ppb | 98 |
| 75) Naphthalene | 11.68 | 128 | 750107 | 50.415 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 261378 | 47.596 | ppb | 95 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.180 | -1.8 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 50.000 | 49.977 | 0.0 | 100 | 0.00 |
| 5 TMP Chloromethane | 50.000 | 46.914 | 6.2 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 50.000 | 51.493 | -3.0 | 100 | 0.00 |
| 7 TMP Bromomethane | 50.000 | 48.716 | 2.6 | 100 | 0.00 |
| 8 TMP Chloroethane | 50.000 | 47.803 | 4.4 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 50.000 | 46.610 | 6.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 250.000 | 220.790 | 11.7 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 50.000 | 46.823 | 6.4 | 100 | 0.00 |
| 13 TMP Hexane | 50.000 | 49.793 | 0.4 | 100 | 0.00 |
| 14 TMP Methylene chloride | 50.000 | 45.342 | 9.3 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 250.000 | 219.170 | 12.3 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 50.000 | 48.039 | 3.9 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 50.000 | 44.996 | 10.0 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 50.000 | 50.100 | -0.2 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 50.000 | 46.936 | 6.1 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 50.000 | 48.219 | 3.6 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 50.000 | 44.171 | 11.7 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 50.000 | 46.820 | 6.4 | 100 | 0.00 |
| 23 TMP Chloroform | 50.000 | 45.158 | 9.7 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 250.000 | 244.105 | 2.4 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 50.000 | 46.179 | 7.6 | 100 | 0.00 |
| 26 TMP 1,2-Oichloroethane (EDC) | 50.000 | 48.554 | 2.9 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 50.000 | 47.952 | 4.1 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 50.000 | 47.876 | 4.2 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 50.000 | 49.363 | 1.3 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.398 | -4.0 | 100 | 0.00 |
| 31 TMP Benzene | 50.000 | 46.355 | 7.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 50.000 | 46.940 | 6.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 50.000 | 49.563 | 0.9 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 50.000 | 48.593 | 2.8 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.322 | -3.2 | 100 | -0.01 |
| 36 TMP Dibromomethane | 50.000 | 48.068 | 3.9 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 250.000 | 241.142 | 3.5 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 50.000 | 50.618 | -1.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 50.000 | 46.983 | 6.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 50.000 | 49.849 | 0.3 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 50.000 | 46.890 | 6.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 250.000 | 242.204 | 3.1 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 50.000 | 47.855 | 4.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 50.000 | 47.554 | 4.9 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 50.000 | 49.111 | 1.8 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 50.000 | 47.093 | 5.8 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 50.000 | 48.858 | 2.3 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 50.000 | 46.760 | 6.5 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 50.000 | 46.221 | 7.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 100.000 | 93.235 | 6.8 | 100 | 0.00 |
| 52 TMP o-Xylene | 50.000 | 46.031 | 7.9 | 100 | 0.00 |
| 53 TMP Styrene | 50.000 | 46.866 | 6.3 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 50.000 | 47.425 | 5.2 | 100 | 0.00 |
| 55 TMP Bromoform | 50.000 | 51.154 | -2.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.942 | 0.6 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 50.000 | 49.122 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 50.000 | 49.340 | 1.3 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 50.000 | 48.079 | 3.8 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 50.000 | 48.544 | 2.9 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 50.000 | 46.727 | 6.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 50.000 | 47.833 | 4.3 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 50.000 | 47.892 | 4.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 50.000 | 49.020 | 2.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 50.000 | 48.362 | 3.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 50.000 | 49.722 | 0.6 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 50.000 | 49.519 | 1.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 50.000 | 49.488 | 1.0 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 50.000 | 47.583 | 4.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 50.000 | 48.075 | 3.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 50.000 | 50.025 | -0.0 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 50.000 | 48.295 | 3.4 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 50.000 | 48.309 | 3.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 50.000 | 50.415 | -0.8 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 50.000 | 47.596 | 4.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | # | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.289 | -1.8 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.880 | 0.1 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.026 | 6.2 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.974 | -3.0 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.669 | 2.5 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.586 | 4.2 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.030 | 6.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | # | 0.00 |
| 11 TMP Acetone | 0.058 | 0.051 | 12.1 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.433 | 6.3 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.478 | 0.4 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.282 | 9.0 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.036 | 12.2 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.873 | 3.9 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.290 | 9.9 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.116 | -0.2 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.629 | 6.1 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.326 | 3.6 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.345 | 11.5 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.325 | 6.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.543 | 9.7 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.209 | 2.3 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.797 | 7.6 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.531 | 16.8 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.495 | 4.1 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.424 | 4.1 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.330 | 1.2 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.064 | -4.9 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.240 | 7.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.325 | 6.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.317 | 0.9 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.391 | 2.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 1.009 | -3.3 | 100 | -0.01 |
| 36 TMP Dibromomethane | 0.193 | 0.186 | 3.6 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.051 | 3.8 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.469 | -1.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.947 | 14.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.575 | 0.3 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.315 | 6.3 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.423 | 3.2 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050920.D
 Acq On : 09 May 2023 08:31 pm
 Operator :
 Sample : 50 ppb 8260 ICAL 69-40Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:04 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.535 | 4.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.323 | 11.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.359 | 1.9 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.372 | 5.8 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.929 | 2.3 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.835 | 6.5 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.320 | 7.5 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.672 | 6.8 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.676 | 7.9 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.994 | 6.2 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.542 | 5.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.249 | -2.5 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.925 | 0.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.682 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.747 | 1.3 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.522 | 3.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.921 | 2.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.805 | 6.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.115 | 4.3 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.563 | 4.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.129 | 2.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.641 | 3.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.352 | 0.6 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.760 | 1.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.418 | 1.0 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.402 | 4.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.375 | 3.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.203 | 0.0 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.946 | 3.5 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.458 | 3.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.466 | -0.8 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.859 | 4.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 154416 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 113802 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 64521 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 42353 | 9.674 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 96.70% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9420 | 9.934 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 99.30% |
| 35) Toluene-d8 | 5.98 | 98 | 153753 | 10.189 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 101.90% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 58981 | 9.826 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 98.30% |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.88 | 45 | 443 | No Calib | # | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 1423752 | 104.693 | ppb | 97 |
| 5) Chloromethane | 1.21 | 50 | 1595926 | 94.505 | ppb | 92 |
| 6] Vinyl chloride | 1.29 | 62 | 1511600 | 103.462 | ppb | 98 |
| 7) Bromomethane | 1.52 | 94 | 1014170 | 95.717 | ppb | 94 |
| 8] Chloroethane | 1.58 | 64 | 920294 | 97.313 | ppb | 92 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 1618610 | 94.897 | ppb | 97 |
| 10) 2-Propanol | 2.39 | 45 | 4758 | No Calib | | |
| 11) Acetone | 2.25 | 58 | 430170 | 481.135 | ppb | 88 |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 681661 | 95.539 | ppb | 90 |
| 13) Hexane | 3.05 | 57 | 753218 | 101.604 | ppb | 96 |
| 14) Methylene chloride | 2.60 | 84 | 445859 | 92.994 | ppb | 96 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 306458 | 479.831 | ppb | 86 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 1383504 | 98.651 | ppb | 98 |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 461309 | 92.773 | ppb | 91 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 1766104 | 102.658 | ppb | 98 |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 999929 | 96.586 | ppb | 97 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 518245 | 99.212 | ppb | 96 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 530351 | 88.053 | ppb | 99 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 515898 | 96.330 | ppb | 88 |
| 23) Chloroform | 3.94 | 83 | 862308 | 92.906 | ppb | 93 |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 1711849 | 518.086 | ppb | 99 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 1285809 | 96.439 | ppb | 98 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 835705 | 98.941 | ppb | 99 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 789938 | 99.127 | ppb | 97 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 678634 | 99.336 | ppb | 97 |
| 29) Carbon tetrachloride | 4.21 | 117 | 552486 | 107.105 | ppb | 92 |
| 31] Benzene | 4.39 | 78 | 1951126 | 94.496 | ppb | 98 |
| 32] Trichloroethene | 4.93 | 95 | 519807 | 97.301 | ppb | 94 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 494638 | 100.157 | ppb | 98 |
| 34) Bromodichloromethane | 5.37 | 83 | 631990 | 101.719 | ppb | 97 |
| 36) Dibromomethane | 5.22 | 93 | 295920 | 99.289 | ppb | 92 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

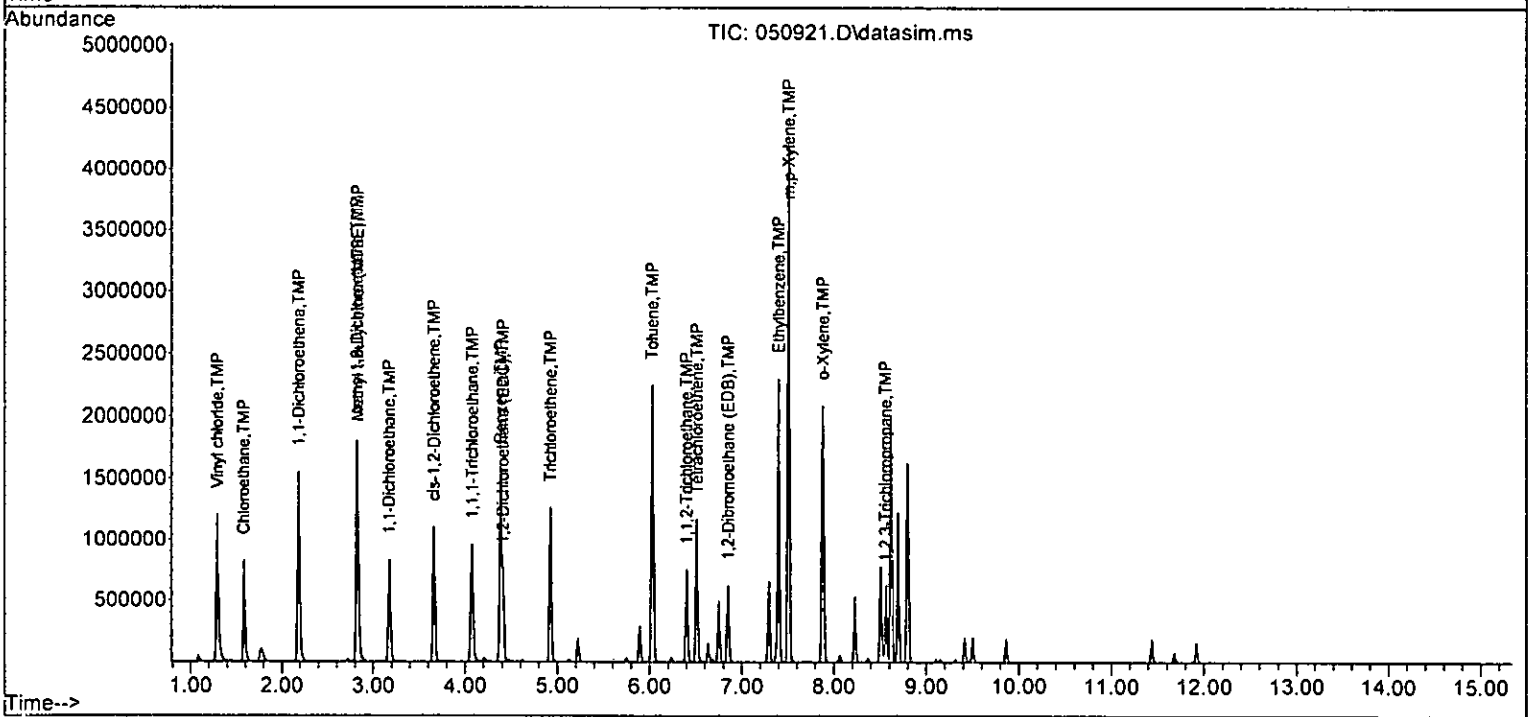
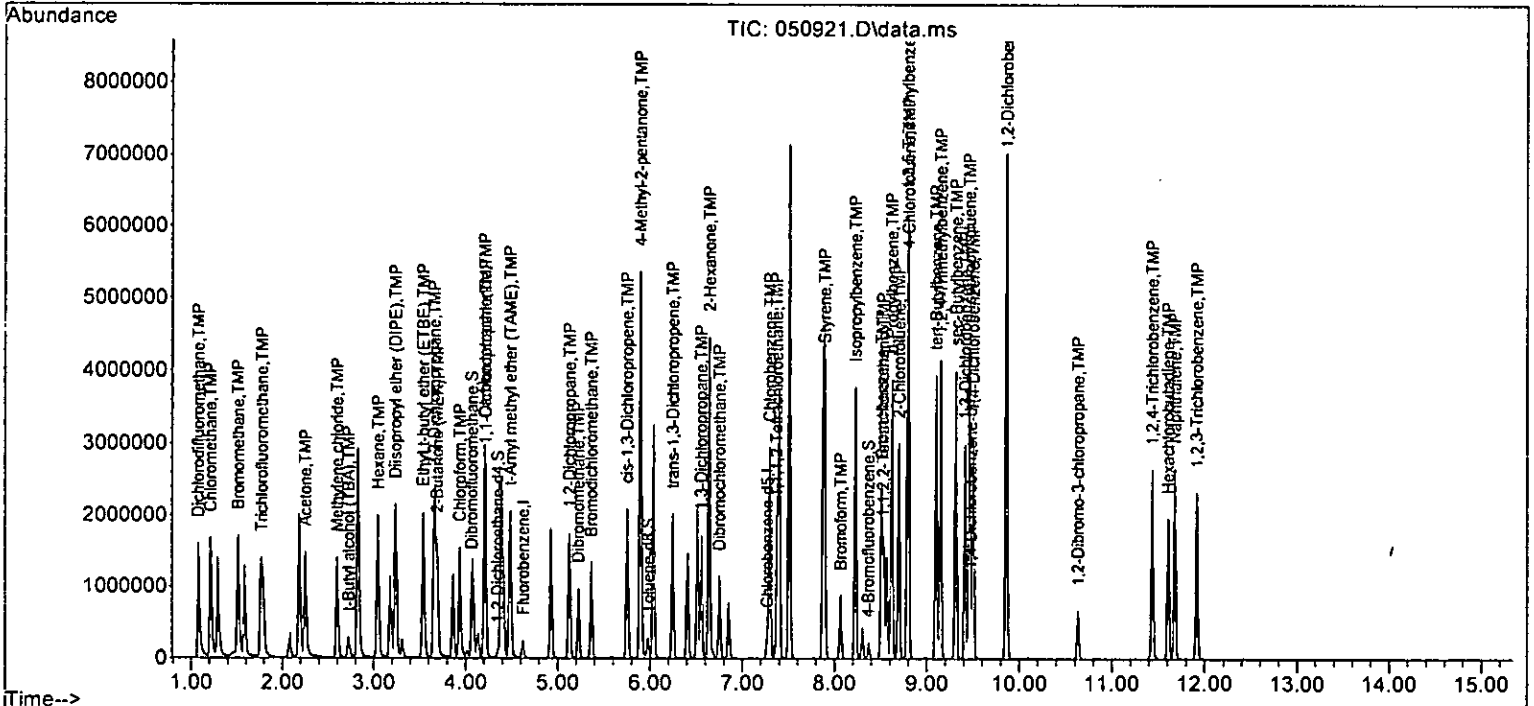
Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\V8050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 417517 | 506.503 | ppb | 92 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 767247 | 107.279 | ppb | 95 |
| 40] Toluene | 6.03 | 92 | 1146466 | 99.986 | ppb | 97 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 702281 | 106.985 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 378528 | 99.100 | ppb | 98 |
| 43) 2-Hexanone | 6.64 | 43 | 2611710 | 525.664 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 649304 | 102.133 | ppb | 98 |
| 45] Tetrachloroethene | 6.51 | 164 | 391125 | 101.063 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 442533 | 106.295 | ppb | 97 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 449594 | 99.991 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 1124119 | 103.861 | ppb | 91 |
| 49] Ethylbenzene | 7.40 | 91 | 2208981 | 98.925 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 404329 | 102.661 | ppb | 93 |
| 51] m,p-Xylene | 7.51 | 106 | 1657938 | 202.182 | ppb | 98 |
| 52] o-Xylene | 7.88 | 106 | 831341 | 99.499 | ppb | 99 |
| 53) Styrene | 7.90 | 104 | 1239590 | 102.739 | ppb | 98 |
| 54) Isopropylbenzene | 8.23 | 105 | 1934789 | 104.557 | ppb | 95 |
| 55) Bromoform | 8.07 | 173 | 313222 | 113.277 | ppb | 98 |
| 58) n-Propylbenzene | 8.62 | 91 | 2428719 | 100.430 | ppb | 100 |
| 59) Bromobenzene | 8.51 | 156 | 486264 | 99.556 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 1700170 | 100.453 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 595745 | 97.377 | ppb | 99 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 518948 | 93.381 | ppb | 100 |
| 63) 2-Chlorotoluene | 8.70 | 91 | 1413934 | 99.112 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 1733801 | 100.407 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 1439952 | 102.756 | ppb | 97 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 1782771 | 101.201 | ppb | 98 |
| 67) sec-Butylbenzene | 9.32 | 105 | 2266417 | 104.210 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 1860326 | 103.446 | ppb | 97 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 946668 | 102.387 | ppb | 94 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 939783 | 98.862 | ppb | 96 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 910338 | 98.681 | ppb | 99 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 132917 | 101.638 | ppb | 96 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 633746 | 100.255 | ppb | 99 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 317994 | 103.879 | ppb | 93 |
| 75) Naphthalene | 11.68 | 128 | 1626137 | 103.040 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 577027 | 99.063 | ppb | 95 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|---------|---------|------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.02 |
| 3 S | Dibromofluoromethane | 10.000 | 9.674 | 3.3 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 100.000 | 104.693 | -4.7 | 100 | 0.00 |
| 5 TMP | Chloromethane | 100.000 | 94.505 | 5.5 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 100.000 | 103.462 | -3.5 | 100 | 0.00 |
| 7 TMP | Bromomethane | 100.000 | 95.717 | 4.3 | 100 | 0.00 |
| 8 TMP | Chloroethane | 100.000 | 97.313 | 2.7 | 100 | -0.02 |
| 9 TMP | Trichlorofluoromethane | 100.000 | 94.897 | 5.1 | 100 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 500.000 | 481.135 | 3.8 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 100.000 | 95.539 | 4.5 | 100 | 0.00 |
| 13 TMP | Hexane | 100.000 | 101.604 | -1.6 | 100 | 0.00 |
| 14 TMP | Methylene chloride | 100.000 | 92.994 | 7.0 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 500.000 | 479.831 | 4.0 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 100.000 | 98.651 | 1.3 | 100 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 100.000 | 92.773 | 7.2 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 100.000 | 102.658 | -2.7 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 100.000 | 96.586 | 3.4 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 100.000 | 99.212 | 0.8 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 100.000 | 88.053 | 11.9 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 100.000 | 96.330 | 3.7 | 100 | 0.00 |
| 23 TMP | Chloroform | 100.000 | 92.906 | 7.1 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 500.000 | 518.086 | -3.6 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 100.000 | 96.439 | 3.6 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 100.000 | 98.941 | 1.1 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 100.000 | 99.127 | 0.9 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 100.000 | 99.336 | 0.7 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 100.000 | 107.105 | -7.1 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.934 | 0.7 | 100 | 0.00 |
| 31 TMP | Benzene | 100.000 | 94.496 | 5.5 | 100 | 0.00 |
| 32 TMP | Trichloroethene | 100.000 | 97.301 | 2.7 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 100.000 | 100.157 | -0.2 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 100.000 | 101.719 | -1.7 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.189 | -1.9 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 100.000 | 99.289 | 0.7 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 500.000 | 506.503 | -1.3 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 100.000 | 107.279 | -7.3 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 100.000 | 99.986 | 0.0 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 100.000 | 106.985 | -7.0 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 100.000 | 99.100 | 0.9 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 500.000 | 525.664 | -5.1 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb-8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 100.000 | 102.133 | -2.1 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 100.000 | 101.063 | -1.1 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 100.000 | 106.295 | -6.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 100.000 | 99.991 | 0.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 100.000 | 103.861 | -3.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 100.000 | 98.925 | 1.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 100.000 | 102.661 | -2.7 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 200.000 | 202.182 | -1.1 | 100 | 0.00 |
| 52 TMP o-Xylene | 100.000 | 99.499 | 0.5 | 100 | 0.00 |
| 53 TMP Styrene | 100.000 | 102.739 | -2.7 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 100.000 | 104.557 | -4.6 | 100 | 0.00 |
| 55 TMP Bromoform | 100.000 | 113.277 | -13.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.826 | 1.7 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 100.000 | 100.430 | -0.4 | 100 | 0.00 |
| 59 TMP Bromobenzene | 100.000 | 99.556 | 0.4 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 100.000 | 100.453 | -0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 100.000 | 97.377 | 2.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 100.000 | 93.381 | 6.6 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 100.000 | 99.112 | 0.9 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 100.000 | 100.407 | -0.4 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 100.000 | 102.756 | -2.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 100.000 | 101.201 | -1.2 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 100.000 | 104.210 | -4.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 100.000 | 103.446 | -3.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 100.000 | 102.387 | -2.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 100.000 | 98.862 | 1.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 100.000 | 98.681 | 1.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 100.000 | 101.638 | -1.6 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 100.000 | 100.255 | -0.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 100.000 | 103.879 | -3.9 | 100 | 0.00 |
| 75 TMP Naphthalene | 100.000 | 103.040 | -3.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 100.000 | 99.063 | 0.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-405
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.02 |
| 3 S Dibromofluoromethane | 0.284 | 0.274 | 3.5 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.922 | -4.7 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.034 | 5.5 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.979 | -3.5 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.657 | 4.2 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.596 | 2.6 | 100 | -0.02 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.048 | 5.2 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.056 | 3.4 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.441 | 4.5 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.488 | -1.7 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.289 | 6.8 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.040 | 2.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.896 | 1.3 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.299 | 7.1 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.144 | -2.7 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.648 | 3.3 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.336 | 0.6 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.343 | 12.1 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.334 | 3.7 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.558 | 7.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.222 | -3.7 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.833 | 3.5 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.541 | 15.2 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.512 | 0.8 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.439 | 0.7 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.358 | -7.2 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.061 | 0.0 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.264 | 5.5 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.337 | 2.6 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.320 | 0.0 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.409 | -1.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.996 | -1.9 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.192 | 0.5 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.054 | -1.9 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.497 | -7.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.007 | 8.5 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.617 | -6.9 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.333 | 0.9 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.459 | -5.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050921.D
 Acq On : 09 May 2023 08:54 pm
 Operator :
 Sample : 100 ppb 8260 ICAL 69-40S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:08 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.571 | -2.1 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.344 | 5.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.389 | -6.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.395 | 0.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.988 | -3.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.941 | 1.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.355 | -2.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.728 | -1.0 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.731 | 0.4 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.089 | -2.7 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.700 | -4.6 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.275 | -13.2 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.914 | 1.7 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.764 | -0.4 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.754 | 0.4 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.635 | -0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.923 | 2.6 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.804 | 6.6 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.191 | 0.9 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.687 | -0.4 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.232 | -2.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.763 | -1.2 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.513 | -4.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.883 | -3.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.467 | -2.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.457 | 1.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.411 | 1.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.206 | -1.5 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.982 | -0.2 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.493 | -4.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.520 | -3.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.894 | 1.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\V8050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 153896 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 115049 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 65607 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 43389 | 9.944 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 99.40% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9622 | 10.181 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 101.80% | |
| 35) Toluene-d8 | 5.98 | 98 | 152711 | 10.154 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 101.50% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 58021 | 9.506 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 95.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 1.86 | 45 | 171 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 2231785 | 164.664 | ppb | 100 | |
| 5) Chloromethane | 1.21 | 50 | 2596441 | 154.271 | ppb | 94 | |
| 6] Vinyl chloride | 1.29 | 62 | 2428636 | 166.790 | ppb | 99 | |
| 7) Bromomethane | 1.52 | 94 | 1644197 | 155.703 | ppb | 96 | |
| 8] Chloroethane | 1.58 | 64 | 1483670 | 157.415 | ppb | 93 | |
| 9) Trichlorofluoromethane | 1.77 | 101 | 2619049 | 154.070 | ppb | 97 | |
| 10) 2-Propanol | 2.39 | 45 | 5328 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 580293 | 651.237 | ppb | 99 | |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 1077636 | 151.548 | ppb | 94 | |
| 13) Hexane | 3.05 | 57 | 1143882 | 154.823 | ppb | 97 | |
| 14) Methylene chloride | 2.60 | 84 | 727752 | 152.303 | ppb | 92 | |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 466825 | 733.393 | ppb | 89 | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 2199516 | 157.367 | ppb | 99 | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 736431 | 148.603 | ppb | 94 | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 2864018 | 167.038 | ppb | 100 | |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 1582128 | 153.339 | ppb | 97 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 835523 | 160.491 | ppb | 98 | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 840896 | 140.084 | ppb | 99 | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 826281 | 154.808 | ppb | 90 | |
| 23) Chloroform | 3.94 | 83 | 1403395 | 151.714 | ppb | 94 | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 2475155 | 751.629 | ppb | 100 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 2073952 | 156.078 | ppb | 98 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 1333654 | 158.443 | ppb | 99 | |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 1271757 | 160.128 | ppb | 92 | |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 1087163 | 159.672 | ppb | 96 | |
| 29) Carbon tetrachloride | 4.21 | 117 | 908485 | 176.714 | ppb | 91 | |
| 31] Benzene | 4.39 | 78 | 3117451 | 151.492 | ppb | 99 | |
| 32] Trichloroethene | 4.93 | 95 | 811870 | 152.484 | ppb | 94 | |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 806117 | 163.779 | ppb | 97 | |
| 34) Bromodichloromethane | 5.37 | 83 | 1023073 | 165.220 | ppb | 97 | |
| 36) Dibromomethane | 5.22 | 93 | 471854 | 158.855 | ppb | 92 | |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

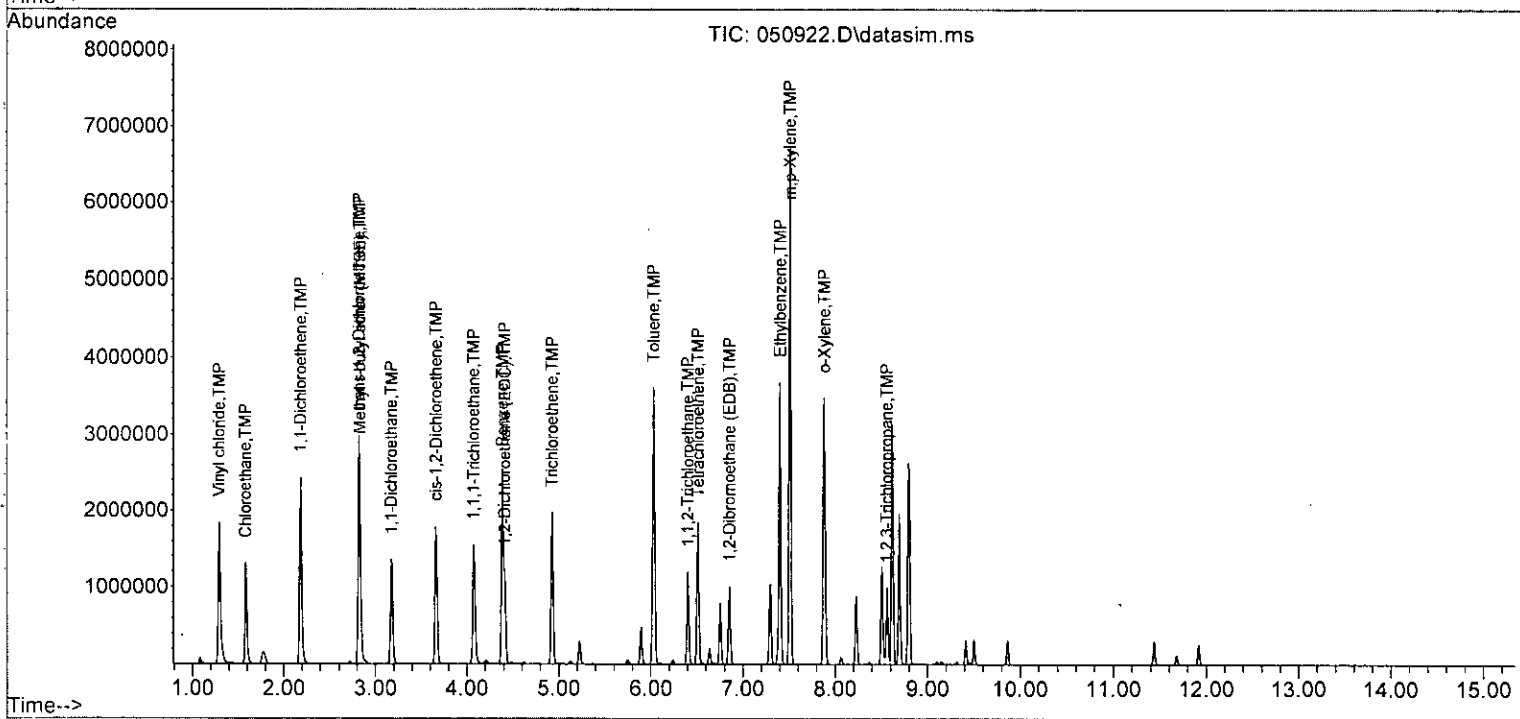
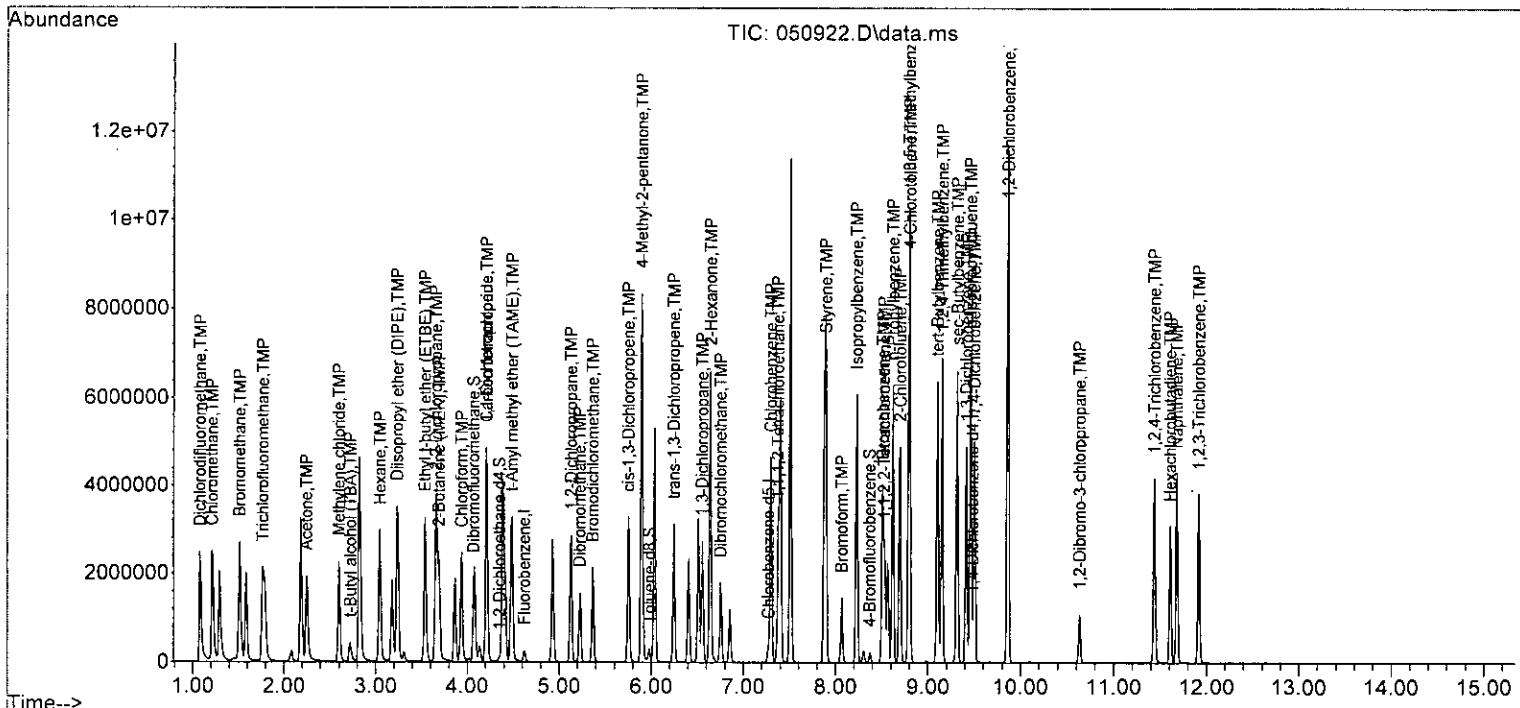
Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 657564 | 800.406 | ppb | 93 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 1235191 | 173.292 | ppb | 96 |
| 40] Toluene | 6.03 | 92 | 1848334 | 159.459 | ppb | 96 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 1140081 | 171.797 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 603069 | 156.174 | ppb | 98 |
| 43) 2-Hexanone | 6.64 | 43 | 3741128 | 744.822 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 1044220 | 162.472 | ppb | 98 |
| 45] Tetrachloroethene | 6.51 | 164 | 613415 | 156.789 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 711534 | 169.055 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 709520 | 156.088 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 1795304 | 164.077 | ppb | 92 |
| 49] Ethylbenzene | 7.40 | 91 | 3487489 | 154.488 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 645894 | 162.218 | ppb | 94 |
| 51] m,p-Xylene | 7.51 | 106 | 2694433 | 325.019 | ppb | 97 |
| 52] o-Xylene | 7.88 | 106 | 1357050 | 160.659 | ppb | 100 |
| 53) Styrene | 7.90 | 104 | 2052190 | 168.245 | ppb | 97 |
| 54) Isopropylbenzene | 8.23 | 105 | 3147440 | 168.246 | ppb | 96 |
| 55) Bromoform | 8.07 | 173 | 512922 | 183.487 | ppb | 99 |
| 58) n-Propylbenzene | 8.62 | 91 | 3913289 | 159.140 | ppb | 100 |
| 59) Bromobenzene | 8.51 | 156 | 786402 | 158.340 | ppb | 95 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 2815856 | 163.618 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 981322 | 157.746 | ppb | 100 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 825603 | 146.103 | ppb | 99 |
| 63) 2-Chlorotoluene | 8.70 | 91 | 2307666 | 159.083 | ppb | 97 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 2836526 | 161.548 | ppb | 99 |
| 65) tert-Butylbenzene | 9.10 | 119 | 2389374 | 167.685 | ppb | 97 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 2953804 | 164.901 | ppb | 99 |
| 67) sec-Butylbenzene | 9.32 | 105 | 3713352 | 167.913 | ppb | 98 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 3064415 | 167.580 | ppb | 97 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 1547873 | 164.639 | ppb | 94 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 1541043 | 159.429 | ppb | 96 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 1527716 | 162.865 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 221490 | 166.564 | ppb | 99 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 1019838 | 158.662 | ppb | 99 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 491267 | 157.826 | ppb | 96 |
| 75) Naphthalene | 11.68 | 128 | 2659522 | 165.731 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 937527 | 158.289 | ppb | 93 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 9.944 | 0.6 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 150.000 | 164.664 | -9.8 | 100 | 0.00 |
| 5 TMP Chloromethane | 150.000 | 154.271 | -2.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 150.000 | 166.790 | -11.2 | 100 | 0.00 |
| 7 TMP Bromomethane | 150.000 | 155.703 | -3.8 | 100 | 0.00 |
| 8 TMP Chloroethane | 150.000 | 157.415 | -4.9 | 100 | -0.02 |
| 9 TMP Trichlorofluoromethane | 150.000 | 154.070 | -2.7 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 750.000 | 651.237 | 13.2 | 100 | -0.02 |
| 12 TMP 1,1-Dichloroethene | 150.000 | 151.548 | -1.0 | 100 | 0.00 |
| 13 TMP Hexane | 150.000 | 154.823 | -3.2 | 100 | 0.00 |
| 14 TMP Methylene chloride | 150.000 | 152.303 | -1.5 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 750.000 | 733.393 | 2.2 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 150.000 | 157.367 | -4.9 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 150.000 | 148.603 | 0.9 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 150.000 | 167.038 | -11.4 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 150.000 | 153.339 | -2.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 150.000 | 160.491 | -7.0 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 150.000 | 140.084 | 6.6 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 150.000 | 154.808 | -3.2 | 100 | 0.00 |
| 23 TMP Chloroform | 150.000 | 151.714 | -1.1 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 750.000 | 751.629 | -0.2 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 150.000 | 156.078 | -4.1 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 150.000 | 158.443 | -5.6 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 150.000 | 160.128 | -6.8 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 150.000 | 159.672 | -6.4 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 150.000 | 176.714 | -17.8 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.181 | -1.8 | 100 | 0.00 |
| 31 TMP Benzene | 150.000 | 151.492 | -1.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 150.000 | 152.484 | -1.7 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 150.000 | 163.779 | -9.2 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 150.000 | 165.220 | -10.1 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.154 | -1.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 150.000 | 158.855 | -5.9 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 750.000 | 800.406 | -6.7 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 150.000 | 173.292 | -15.5 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 150.000 | 159.459 | -6.3 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 150.000 | 171.797 | -14.5 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 150.000 | 156.174 | -4.1 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 750.000 | 744.822 | 0.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 150.000 | 162.472 | -8.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 150.000 | 156.789 | -4.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 150.000 | 169.055 | -12.7 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 150.000 | 156.088 | -4.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 150.000 | 164.077 | -9.4 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 150.000 | 154.488 | -3.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 150.000 | 162.218 | -8.1 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 300.000 | 325.019 | -8.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 150.000 | 160.659 | -7.1 | 100 | 0.00 |
| 53 TMP Styrene | 150.000 | 168.245 | -12.2 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 150.000 | 168.246 | -12.2 | 100 | 0.00 |
| 55 TMP Bromoform | 150.000 | 183.487 | -22.3# | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.506 | 4.9 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 150.000 | 159.140 | -6.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 150.000 | 158.340 | -5.6 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 150.000 | 163.618 | -9.1 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 150.000 | 157.746 | -5.2 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 150.000 | 146.103 | 2.6 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 150.000 | 159.083 | -6.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 150.000 | 161.548 | -7.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 150.000 | 167.685 | -11.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 150.000 | 164.901 | -9.9 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 150.000 | 167.913 | -11.9 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 150.000 | 167.580 | -11.7 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 150.000 | 164.639 | -9.8 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 150.000 | 159.429 | -6.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 150.000 | 162.865 | -8.6 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 150.000 | 166.564 | -11.0 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 150.000 | 158.662 | -5.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 150.000 | 157.826 | -5.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 150.000 | 165.731 | -10.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 150.000 | 158.289 | -5.5 | 100 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | # | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.282 | 0.7 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.967 | -9.8 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.125 | -2.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 1.052 | -11.2 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.712 | -3.8 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.643 | -5.1 | 100 | -0.02 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.135 | -2.7 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | # | 0.00 |
| 11 TMP Acetone | 0.058 | 0.050 | 13.8 | 100 | -0.02 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.467 | -1.1 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.496 | -3.3 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.315 | -1.6 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.040 | 2.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.953 | -5.0 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.319 | 0.9 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.241 | -11.4 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.685 | -2.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.362 | -7.1 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.364 | 6.7 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.358 | -3.2 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.608 | -1.2 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.214 | 0.0 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.898 | -4.1 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.578 | 9.4 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.551 | -6.8 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.471 | -6.6 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.394 | -18.0 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.063 | -3.3 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.350 | -1.0 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.352 | -1.7 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.349 | -9.1 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.443 | -10.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.992 | -1.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.204 | -5.7 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.057 | -7.5 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.535 | -15.6 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 1.071 | 2.7 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.661 | -14.6 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.349 | -3.9 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.434 | 0.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050922.D
 Acq On : 09 May 2023 09:16 pm
 Operator :
 Sample : 150 ppb 8260 ICAL 69-40T
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:12 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.605 | -8.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.355 | 2.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.412 | -12.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.411 | -4.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 1.040 | -9.4 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 2.021 | -3.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.374 | -8.1 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.781 | -8.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.786 | -7.1 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.189 | -12.2 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.824 | -12.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.297 | -22.2# | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.884 | 4.9 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.976 | -6.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.799 | -5.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.861 | -9.1 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.997 | -5.2 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.839 | 2.6 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.345 | -6.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.882 | -7.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.428 | -11.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 3.002 | -10.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.773 | -11.9 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 3.114 | -11.7 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.573 | -9.8 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.566 | -6.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.552 | -8.5 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.225 | -10.8 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 1.036 | -5.7 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.499 | -5.3 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.702 | -10.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.953 | -5.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 153848 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 115808 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 67580 | 10.000 | ppb | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 43656 | 10.008 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 100.10% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 9245 | 9.785 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 97.90% |
| 35) Toluene-d8 | 5.98 | 98 | 152596 | 10.150 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 101.50% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 59038 | 9.391 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 93.90% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Ethanol | 1.85 | 45 | 241 | No Calib | | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 2769038 | 204.367 | ppb | 99 |
| 5) Chloromethane | 1.21 | 50 | 3187237 | 189.433 | ppb | 94 |
| 6] Vinyl chloride | 1.29 | 62 | 3004956 | 206.434 | ppb | 97 |
| 7) Bromomethane | 1.51 | 94 | 2003637 | 189.801 | ppb | 95 |
| 8] Chloroethane | 1.58 | 64 | 1814082 | 192.531 | ppb | 96 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 3262472 | 191.980 | ppb | 96 |
| 10) 2-Propanol | 2.39 | 45 | 5346 | No Calib | | |
| 11) Acetone | 2.24 | 58 | 891066 | 1000.316 | ppb | 94 |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 1344391 | 189.121 | ppb | 98 |
| 13) Hexane | 3.05 | 57 | 1509785 | 204.411 | ppb | 99 |
| 14) Methylene chloride | 2.60 | 84 | 899409 | 188.285 | ppb | 90 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 591547 | 929.624 | ppb | 90 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 2709542 | 193.918 | ppb | 100 |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 915217 | 184.738 | ppb | 98 |
| 18) Diisopropyl ether (DIPE) | 3.23 | 45 | 3299087 | 192.473 | ppb | 100 |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 1959490 | 189.971 | ppb | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 1037819 | 199.411 | ppb | 96 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 1028657 | 171.416 | ppb | 99 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 1022007 | 191.538 | ppb | 93 |
| 23) Chloroform | 3.94 | 83 | 1714391 | 185.393 | ppb | 93 |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 3412331 | 1036.544 | ppb | 99 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 2564321 | 193.042 | ppb | 98 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 1640163 | 194.924 | ppb | 98 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 1570427 | 197.796 | ppb | 93 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 1378006 | 202.452 | ppb | 95 |
| 29) Carbon tetrachloride | 4.21 | 117 | 1181093 | 229.812 | ppb | 92 |
| 31] Benzene | 4.38 | 78 | 3839575 | 186.642 | ppb | 98 |
| 32] Trichloroethene | 4.93 | 95 | 1023418 | 192.277 | ppb | 92 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 997526 | 202.731 | ppb | 98 |
| 34) Bromodichloromethane | 5.37 | 83 | 1258922 | 203.372 | ppb | 96 |
| 36) Dibromomethane | 5.22 | 93 | 587284 | 197.778 | ppb | 92 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

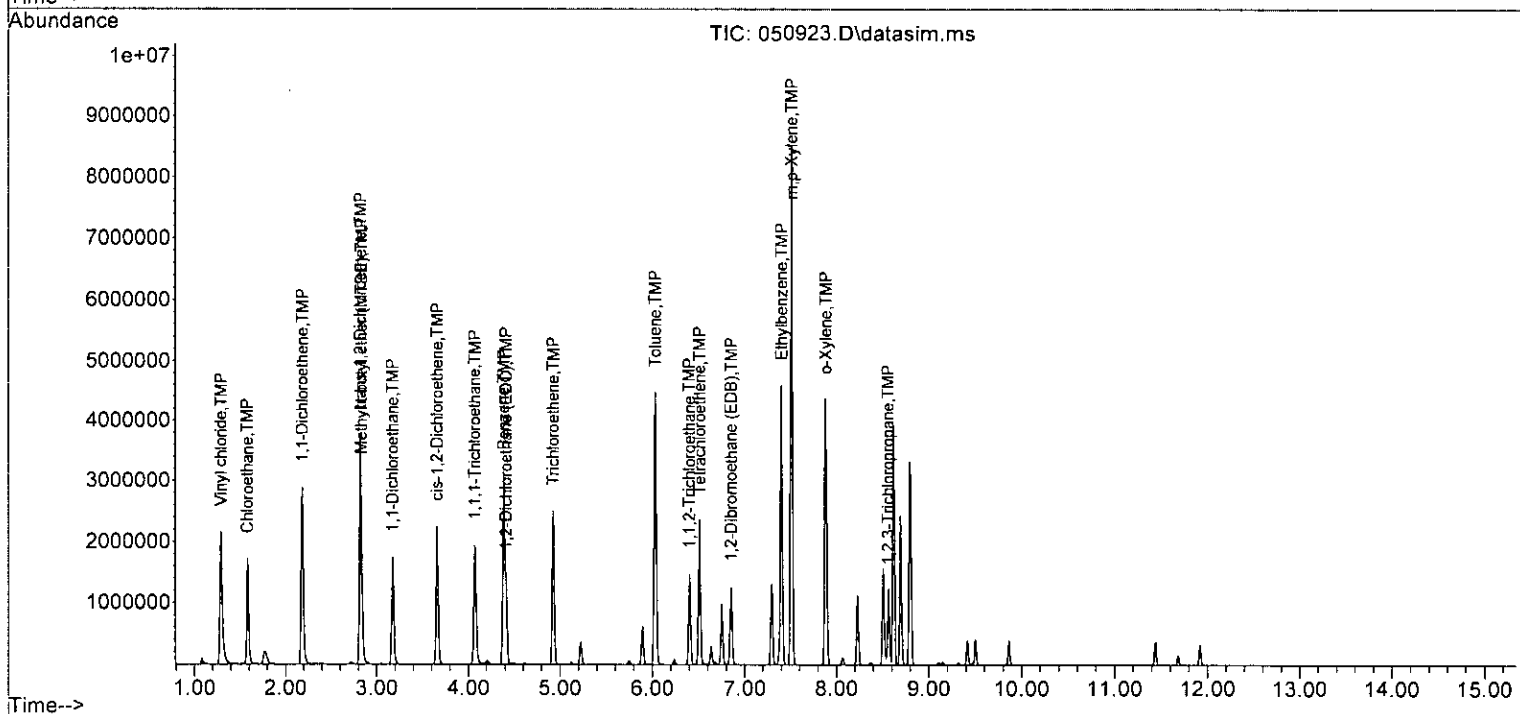
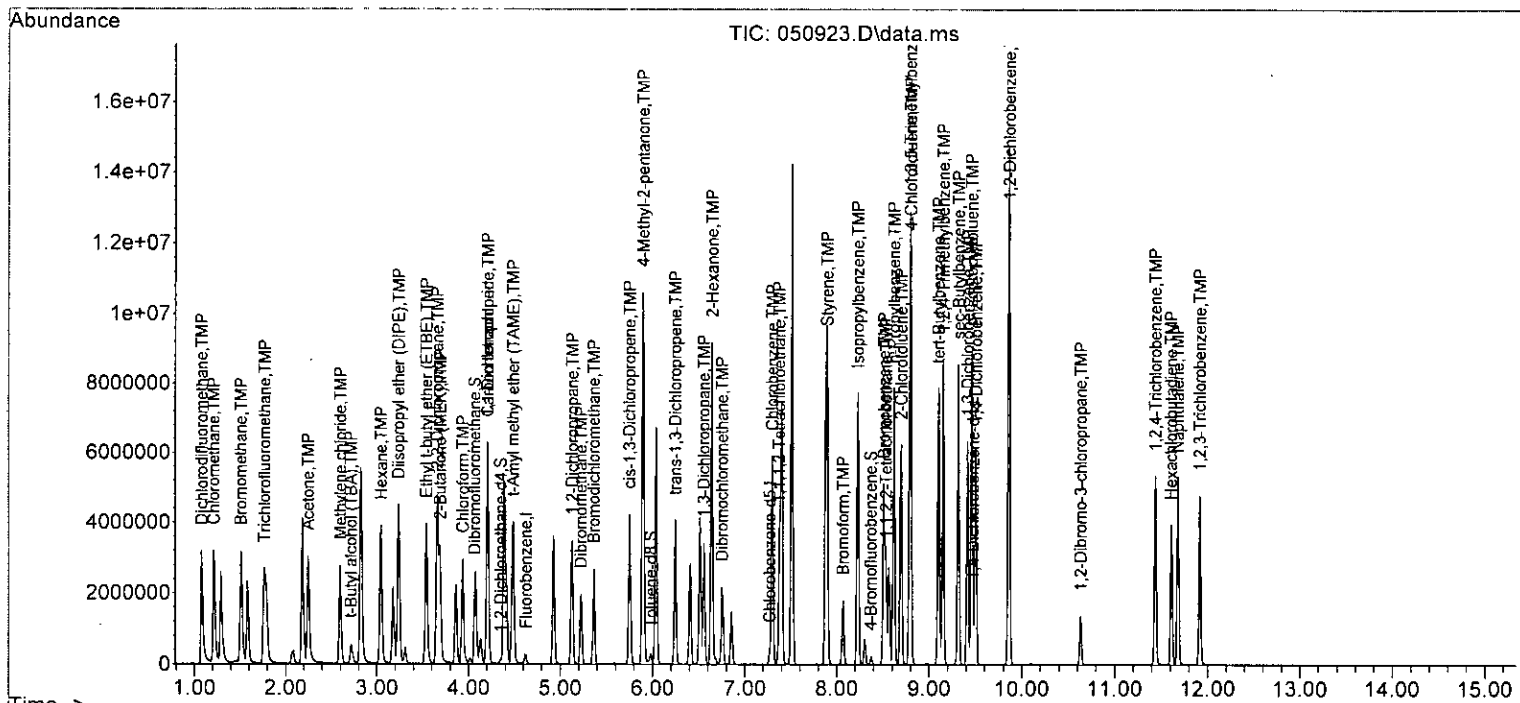
Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 835565 | 1017.392 | ppb | 94 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 1546116 | 216.981 | ppb | 96 |
| 40] Toluene | 6.03 | 92 | 2287905 | 196.092 | ppb | 95 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 1418193 | 212.304 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 750965 | 193.200 | ppb | 98 |
| 43) 2-Hexanone | 6.64 | 43 | 5183619 | 1025.244 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 1302005 | 201.254 | ppb | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 774578 | 196.687 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 883565 | 208.553 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 882574 | 192.886 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 2239510 | 203.332 | ppb | 89 |
| 49] Ethylbenzene | 7.40 | 91 | 4359142 | 191.835 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 825525 | 205.975 | ppb | 93 |
| 51] m,p-Xylene | 7.51 | 106 | 3405885 | 408.146 | ppb | 97 |
| 52] o-Xylene | 7.88 | 106 | 1690332 | 198.804 | ppb | 99 |
| 53) Styrene | 7.90 | 104 | 2598323 | 211.623 | ppb | 99 |
| 54) Isopropylbenzene | 8.23 | 105 | 3939685 | 209.216 | ppb | 96 |
| 55) Bromoform | 8.07 | 173 | 636401 | 226.167 | ppb | 98 |
| 58) n-Propylbenzene | 8.62 | 91 | 4922840 | 194.350 | ppb | 100 |
| 59) Bromobenzene | 8.51 | 156 | 990393 | 193.591 | ppb | 95 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 3589204 | 202.465 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 1210551 | 188.913 | ppb | 100 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 1019686 | 175.181 | ppb | 99 |
| 63) 2-Chlorotoluene | 8.70 | 91 | 2885621 | 193.117 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 3606760 | 199.417 | ppb | 97 |
| 65) tert-Butylbenzene | 9.10 | 119 | 2994243 | 203.999 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 3756630 | 203.598 | ppb | 98 |
| 67) sec-Butylbenzene | 9.32 | 105 | 4749805 | 208.510 | ppb | 98 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 3908397 | 207.494 | ppb | 97 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 1951098 | 201.469 | ppb | 96 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 1917848 | 192.619 | ppb | 95 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 1913595 | 198.046 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 277021 | 202.242 | ppb | 99 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 1292581 | 195.224 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 638344 | 199.089 | ppb | 93 |
| 75) Naphthalene | 11.68 | 128 | 3334164 | 201.706 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 1170003 | 191.773 | ppb | 95 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
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Quant Time: May 10 11:51:16 2023
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|----------|----------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.008 | -0.1 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 200.000 | 204.367 | -2.2 | 100 | 0.00 |
| 5 TMP Chloromethane | 200.000 | 189.433 | 5.3 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 200.000 | 206.434 | -3.2 | 100 | 0.00 |
| 7 TMP Bromomethane | 200.000 | 189.801 | 5.1 | 100 | -0.02 |
| 8 TMP Chloroethane | 200.000 | 192.531 | 3.7 | 100 | -0.02 |
| 9 TMP Trichlorofluoromethane | 200.000 | 191.980 | 4.0 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP Acetone | 1000.000 | 1000.316 | -0.0 | 100 | -0.02 |
| 12 TMP 1,1-Dichloroethene | 200.000 | 189.121 | 5.4 | 100 | 0.00 |
| 13 TMP Hexane | 200.000 | 204.411 | -2.2 | 100 | 0.00 |
| 14 TMP Methylene chloride | 200.000 | 188.285 | 5.9 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 1000.000 | 929.624 | 7.0 | 100 | -0.02 |
| 16 TMP Methyl t-butyl ether (MTBE) | 200.000 | 193.918 | 3.0 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 200.000 | 184.738 | 7.6 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 200.000 | 192.473 | 3.8 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 200.000 | 189.971 | 5.0 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 200.000 | 199.411 | 0.3 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 200.000 | 171.416 | 14.3 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 200.000 | 191.538 | 4.2 | 100 | 0.00 |
| 23 TMP Chloroform | 200.000 | 185.393 | 7.3 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 1000.000 | 1036.544 | -3.7 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 200.000 | 193.042 | 3.5 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 200.000 | 194.924 | 2.5 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 200.000 | 197.796 | 1.1 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 200.000 | 202.452 | -1.2 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 200.000 | 229.812 | -14.9 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.785 | 2.1 | 100 | 0.00 |
| 31 TMP Benzene | 200.000 | 186.642 | 6.7 | 100 | 0.00 |
| 32 TMP Trichloroethene | 200.000 | 192.277 | 3.9 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 200.000 | 202.731 | -1.4 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 200.000 | 203.372 | -1.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.150 | -1.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 200.000 | 197.778 | 1.1 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 1000.000 | 1017.392 | -1.7 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 200.000 | 216.981 | -8.5 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 200.000 | 196.092 | 2.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 200.000 | 212.304 | -6.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 200.000 | 193.200 | 3.4 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 1000.000 | 1025.244 | -2.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 200.000 | 201.254 | -0.6 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 200.000 | 196.687 | 1.7 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 200.000 | 208.553 | -4.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 200.000 | 192.886 | 3.6 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 200.000 | 203.332 | -1.7 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 200.000 | 191.835 | 4.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 200.000 | 205.975 | -3.0 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 400.000 | 408.146 | -2.0 | 100 | 0.00 |
| 52 TMP o-Xylene | 200.000 | 198.804 | 0.6 | 100 | 0.00 |
| 53 TMP Styrene | 200.000 | 211.623 | -5.8 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 200.000 | 209.216 | -4.6 | 100 | 0.00 |
| 55 TMP Bromoform | 200.000 | 226.167 | -13.1 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.391 | 6.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 200.000 | 194.350 | 2.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 200.000 | 193.591 | 3.2 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 200.000 | 202.465 | -1.2 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 200.000 | 188.913 | 5.5 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 200.000 | 175.181 | 12.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 200.000 | 193.117 | 3.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 200.000 | 199.417 | 0.3 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 200.000 | 203.999 | -2.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 200.000 | 203.598 | -1.8 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 200.000 | 208.510 | -4.3 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 200.000 | 207.494 | -3.7 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 200.000 | 201.469 | -0.7 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 200.000 | 192.619 | 3.7 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 200.000 | 198.046 | 1.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 200.000 | 202.242 | -1.1 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 200.000 | 195.224 | 2.4 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 200.000 | 199.089 | 0.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 200.000 | 201.706 | -0.9 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 200.000 | 191.773 | 4.1 | 100 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | # | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.284 | 0.0 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.900 | -2.2 | 100 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.036 | 5.3 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 0.977 | -3.3 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.651 | 5.1 | 100 | -0.02 |
| 8 TMP Chloroethane | 0.612 | 0.590 | 3.6 | 100 | -0.02 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.060 | 4.1 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | # | 0.00 |
| 11 TMP Acetone | 0.058 | 0.058 | 0.0 | 100 | -0.02 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.437 | 5.4 | 100 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.491 | -2.3 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.292 | 5.8 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.038 | 7.3 | 100 | -0.02 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.881 | 3.0 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.297 | 7.8 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.072 | 3.8 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.637 | 4.9 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.337 | 0.3 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.334 | 14.4 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.332 | 4.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.557 | 7.3 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.222 | -3.7 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.833 | 3.5 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.533 | 16.5 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.510 | 1.2 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.448 | -1.4 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.384 | -15.0 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.060 | 1.6 | 100 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.248 | 6.7 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.333 | 3.8 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.324 | -1.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.409 | -1.7 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.992 | -1.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.191 | 1.0 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.054 | -1.9 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.502 | -8.4 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.988 | 10.3 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.612 | -6.1 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.324 | 3.6 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.448 | -2.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050923.D
 Acq On : 09 May 2023 09:39 pm
 Operator :
 Sample : 200 ppb 8260 ICAL 69-40U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:16 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.562 | -0.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.334 | 8.2 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.381 | -4.1 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.381 | 3.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.967 | -1.7 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.882 | 4.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.356 | -2.9 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.735 | -1.9 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.730 | 0.5 | 100 | 0.00 |
| 53 TMP Styrene | 1.060 | 1.122 | -5.8 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.701 | -4.6 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.275 | -13.2 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.874 | 6.0 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.642 | 2.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.733 | 3.2 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.656 | -1.3 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.896 | 5.5 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.754 | 12.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.135 | 3.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.669 | 0.3 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.215 | -2.0 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.779 | -1.8 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.514 | -4.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.892 | -3.8 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.444 | -0.8 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.419 | 3.7 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.416 | 1.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.205 | -1.0 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.956 | 2.4 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.472 | 0.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.467 | -0.9 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.866 | 4.1 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Oev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 146778 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 104212 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 56387 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 38616 | 9.279 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 92.80% |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 8136 | 9.026 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 79 - 128 | Recovery | = | 90.30% |
| 35) Toluene-d8 | 5.98 | 98 | 137207 | 9.566 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 121 | Recovery | = | 95.70% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 53221 | 10.146 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 116 | Recovery | = | 101.50% |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.87 | 45 | 142 | No Calib | | Qvalue |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 127601 | 9.871 | ppb | 100 |
| 5) Chloromethane | 1.23 | 50 | 153019 | 9.533 | ppb | 92 |
| 6] Vinyl chloride | 1.31 | 62 | 148762 | 10.712 | ppb | 97 |
| 7) Bromomethane | 1.52 | 94 | 108105 | 10.734 | ppb | 89 |
| 8] Chloroethane | 1.60 | 64 | 91582 | 10.188 | ppb | 94 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 154844 | 9.551 | ppb | 97 |
| 10) 2-Propanol | 2.40 | 45 | 3610 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 31591 | 37.172 | ppb | 96 |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 66485 | 9.803 | ppb | 93 |
| 13) Hexane | 3.05 | 57 | 61719 | 8.759 | ppb | 97 |
| 14) Methylene chloride | 2.61 | 84 | 46126 | 10.121 | ppb | 85 |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 27975 | 46.081 | ppb | 98 |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 134586 | 10.096 | ppb | 97 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 45312 | 9.587 | ppb | 89 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 166577 | 10.186 | ppb | 97 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 97483 | 9.906 | ppb | 97 |
| 20) Ethyl t-butyl ether (E...) | 3.55 | 87 | 47490 | 9.564 | ppb | 95 |
| 21) 2,2-Dichloropropane | 3.67 | 77 | 51343 | 8.968 | ppb | 90 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 49131 | 9.651 | ppb | 93 |
| 23) Chloroform | 3.95 | 83 | 81484 | 9.236 | ppb | 94 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 136228 | 43.374 | ppb | 97 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 118723 | 9.368 | ppb | 98 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 79034 | 9.821 | ppb | 99 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 74417 | 9.824 | ppb | 97 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 61366 | 9.450 | ppb | 94 |
| 29) Carbon tetrachloride | 4.21 | 117 | 48044 | 9.798 | ppb | 80 |
| 31] Benzene | 4.39 | 78 | 181654 | 9.256 | ppb | 93 |
| 32] Trichloroethene | 4.93 | 95 | 48872 | 9.624 | ppb | 96 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 46134 | 9.828 | ppb | 97 |
| 34) Bromodichloromethane | 5.37 | 83 | 56203 | 9.517 | ppb | 96 |
| 36) Dibromomethane | 5.23 | 93 | 27146 | 9.582 | ppb | 93 |

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

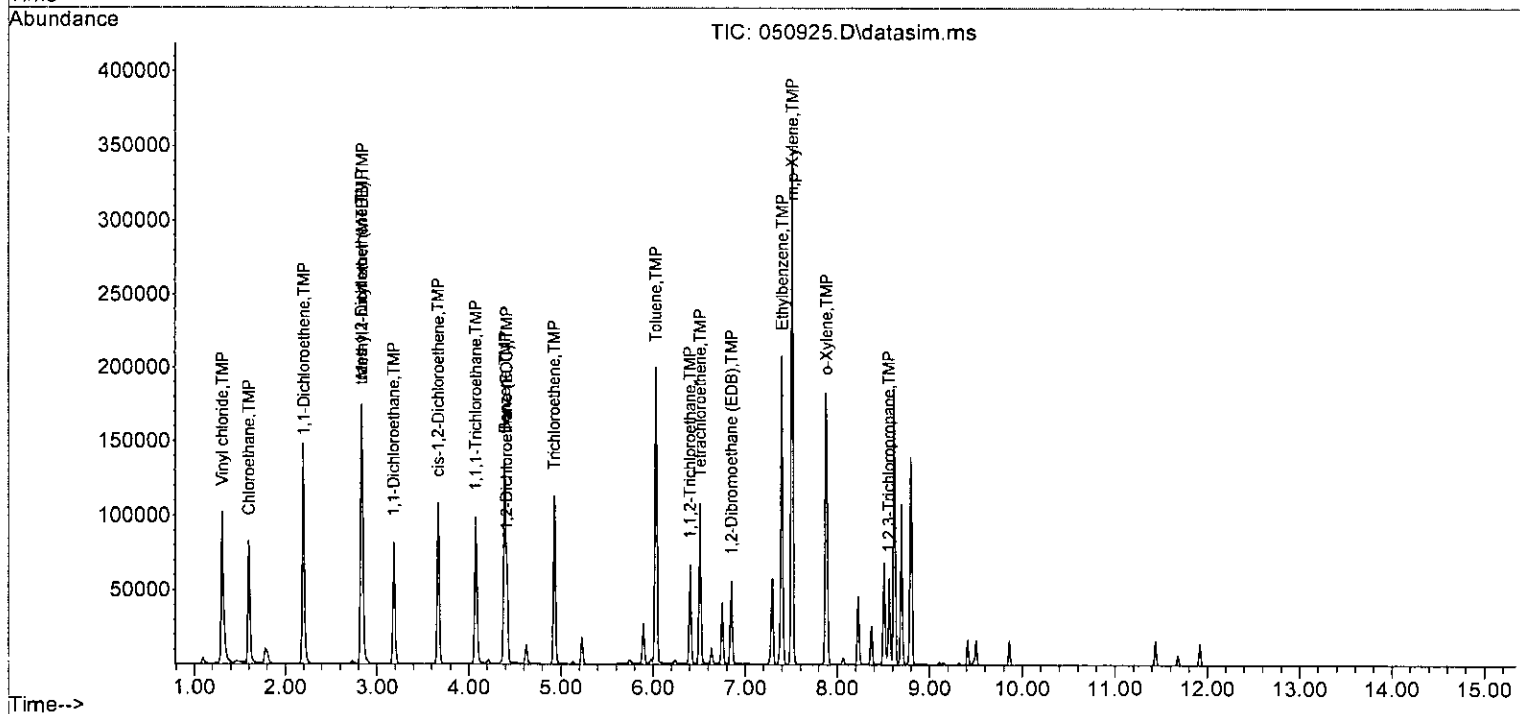
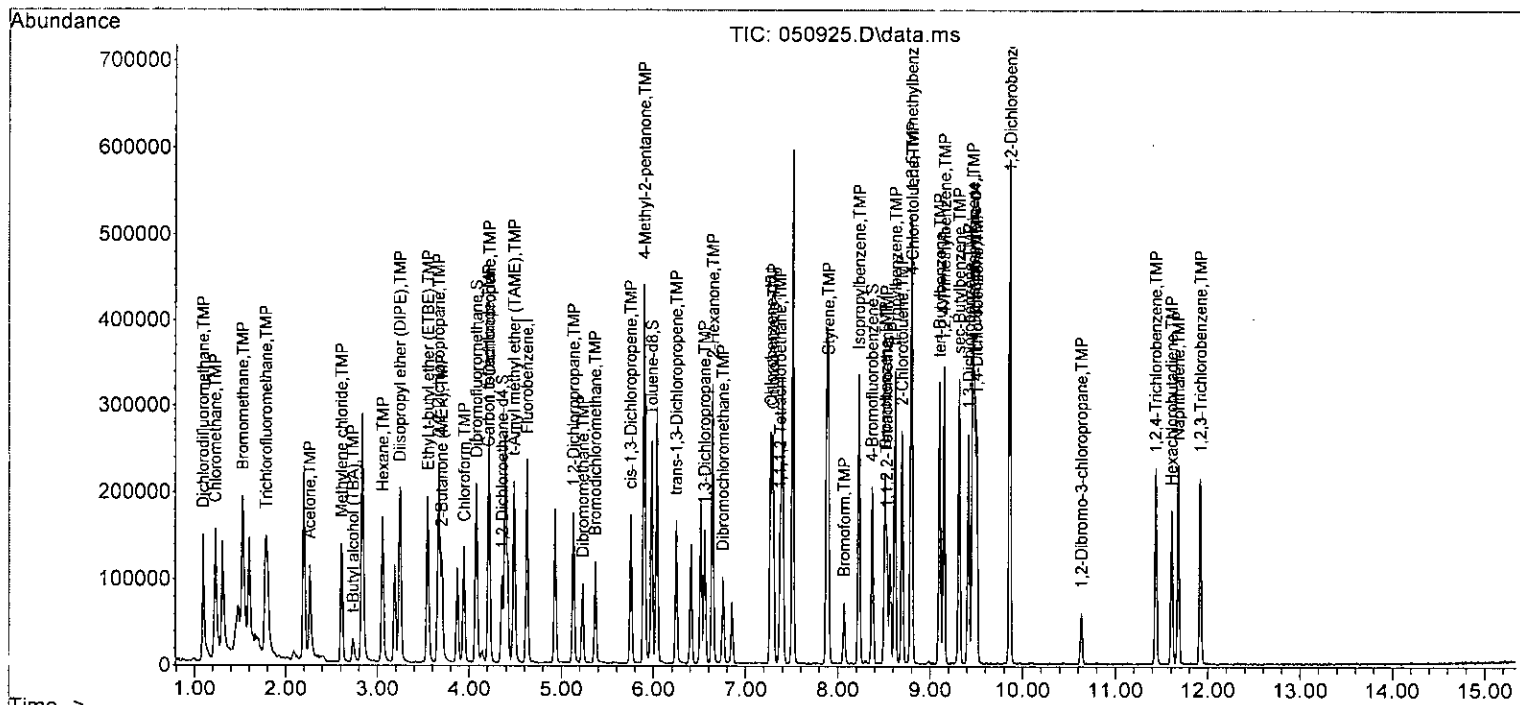
Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 36678 | 46.811 | ppb | # 78 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 68053 | 10.011 | ppb | 96 |
| 40] Toluene | 6.03 | 92 | 102023 | 9.704 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 61675 | 10.260 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 33860 | 9.680 | ppb | 99 |
| 43) 2-Hexanone | 6.64 | 43 | 190293 | 41.825 | ppb | 96 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 55810 | 9.587 | ppb | 95 |
| 45] Tetrachloroethene | 6.51 | 164 | 35073 | 9.887 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 37105 | 9.733 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 40059 | 9.729 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 98645 | 9.953 | ppb | 93 |
| 49] Ethylbenzene | 7.40 | 91 | 199607 | 9.762 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 34773 | 9.642 | ppb | 87 |
| 51] m,p-Xylene | 7.51 | 106 | 142892 | 19.029 | ppb | 98 |
| 52] o-Xylene | 7.88 | 106 | 71459 | 9.340 | ppb | 98 |
| 53) Styrene | 7.90 | 104 | 103831 | 9.398 | ppb | 98 |
| 54) Isopropylbenzene | 8.23 | 105 | 167131 | 9.863 | ppb | 93 |
| 55) Bromoform | 8.07 | 173 | 25765 | 10.175 | ppb | 98 |
| 58) n-Propylbenzene | 8.62 | 91 | 213394 | 10.097 | ppb | 99 |
| 59) Bromobenzene | 8.51 | 156 | 40832 | 9.566 | ppb | 92 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 140135 | 9.474 | ppb | 97 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 53254 | 9.960 | ppb | 99 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 46925 | 9.662 | ppb | 99 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 121991 | 9.785 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 141546 | 9.380 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 120445 | 9.835 | ppb | 95 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 149459 | 9.708 | ppb | 99 |
| 67) sec-Butylbenzene | 9.31 | 105 | 186307 | 9.802 | ppb | 100 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 150656 | 9.586 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 82391 | 10.196 | ppb | 96 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 79838 | 9.610 | ppb | 95 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 79696 | 9.885 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 11405 | 9.979 | ppb | 82 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 54629 | 9.889 | ppb | 91 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 26470 | 9.894 | ppb | 97 |
| 75) Naphthalene | 11.68 | 128 | 142216 | 10.311 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 51712 | 10.159 | ppb | 95 |

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

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
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 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 9.279 | 7.2 | 95 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 9.871 | 1.3 | 98 | 0.00 |
| 5 TMP | Chloromethane | 10.000 | 9.533 | 4.7 | 102 | 0.00 |
| 6 TMP | Vinyl chloride | 10.000 | 10.712 | -7.1 | 105 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 10.734 | -7.3 | 112 | 0.00 |
| 8 TMP | Chloroethane | 10.000 | 10.188 | -1.9 | 101 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 9.551 | 4.5 | 104 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 50.000 | 37.172 | 25.7# | 80 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 9.803 | 2.0 | 102 | 0.00 |
| 13 TMP | Hexane | 10.000 | 8.759 | 12.4 | 97 | 0.00 |
| 14 TMP | Methylene chloride | 10.000 | 10.121 | -1.2 | 106 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 46.081 | 7.8 | 95 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 10.096 | -1.0 | 102 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 9.587 | 4.1 | 104 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 10.000 | 10.186 | -1.9 | 108 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 9.906 | 0.9 | 103 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 9.564 | 4.4 | 99 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 8.968 | 10.3 | 94 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 9.651 | 3.5 | 103 | 0.00 |
| 23 TMP | Chloroform | 10.000 | 9.236 | 7.6 | 98 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 43.374 | 13.3 | 84 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 9.368 | 6.3 | 99 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 9.821 | 1.8 | 101 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 9.824 | 1.8 | 102 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 9.450 | 5.5 | 101 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 9.798 | 2.0 | 101 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.026 | 9.7 | 90 | 0.00 |
| 31 TMP | Benzene | 10.000 | 9.256 | 7.4 | 99 | 0.00 |
| 32 TMP | Trichloroethene | 10.000 | 9.624 | 3.8 | 101 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 9.828 | 1.7 | 103 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 9.517 | 4.8 | 103 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 9.566 | 4.3 | 94 | 0.00 |
| 36 TMP | Dibromomethane | 10.000 | 9.582 | 4.2 | 101 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 46.811 | 6.4 | 99 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 10.011 | -0.1 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 96 | 0.00 |
| 40 TMP | Toluene | 10.000 | 9.704 | 3.0 | 98 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 10.260 | -2.6 | 102 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 9.680 | 3.2 | 98 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 41.825 | 16.3 | 81 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 9.587 | 4.1 | 92 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 9.887 | 1.1 | 99 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 9.733 | 2.7 | 98 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.729 | 2.7 | 97 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 9.953 | 0.5 | 94 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.762 | 2.4 | 99 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 9.642 | 3.6 | 98 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 19.029 | 4.9 | 98 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 9.340 | 6.6 | 97 | 0.00 |
| 53 TMP Styrene | 10.000 | 9.398 | 6.0 | 98 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 9.863 | 1.4 | 100 | 0.00 |
| 55 TMP Bromoform | 10.000 | 10.175 | -1.8 | 102 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.146 | -1.5 | 98 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 10.097 | -1.0 | 101 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 9.566 | 4.3 | 96 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 9.474 | 5.3 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 9.960 | 0.4 | 103 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.662 | 3.4 | 97 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 9.785 | 2.1 | 99 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.380 | 6.2 | 99 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 9.835 | 1.6 | 98 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.708 | 2.9 | 102 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.802 | 2.0 | 101 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.586 | 4.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 10.196 | -2.0 | 105 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.610 | 3.9 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 9.885 | 1.2 | 99 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 9.979 | 0.2 | 102 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 9.889 | 1.1 | 106 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 9.894 | 1.1 | 99 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 10.311 | -3.1 | 107 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 10.159 | -1.6 | 107 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S Dibromofluoromethane | 0.284 | 0.263 | 7.4 | 95 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.881 | 0.869 | 1.4 | 98 | 0.00 |
| 5 TMP Chloromethane | 1.094 | 1.043 | 4.7 | 102 | 0.00 |
| 6 TMP Vinyl chloride | 0.946 | 1.014 | -7.2 | 105 | 0.00 |
| 7 TMP Bromomethane | 0.686 | 0.737 | -7.4 | 112 | 0.00 |
| 8 TMP Chloroethane | 0.612 | 0.624 | -2.0 | 101 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.105 | 1.055 | 4.5 | 104 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP Acetone | 0.058 | 0.043 | 25.9# | 80 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.462 | 0.453 | 1.9 | 102 | 0.00 |
| 13 TMP Hexane | 0.480 | 0.420 | 12.5 | 97 | 0.00 |
| 14 TMP Methylene chloride | 0.310 | 0.314 | -1.3 | 106 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.041 | 0.038 | 7.3 | 95 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.908 | 0.917 | -1.0 | 102 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.322 | 0.309 | 4.0 | 104 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 1.114 | 1.135 | -1.9 | 108 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.670 | 0.664 | 0.9 | 103 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.338 | 0.324 | 4.1 | 99 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.390 | 0.350 | 10.3 | 94 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.347 | 0.335 | 3.5 | 103 | 0.00 |
| 23 TMP Chloroform | 0.601 | 0.555 | 7.7 | 98 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.214 | 0.186 | 13.1 | 84 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.863 | 0.809 | 6.3 | 99 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.638 | 0.538 | 15.7 | 101 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.516 | 0.507 | 1.7 | 102 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.442 | 0.418 | 5.4 | 101 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.334 | 0.327 | 2.1 | 101 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.061 | 0.055 | 9.8 | 90 | 0.00 |
| 31 TMP Benzene | 1.337 | 1.238 | 7.4 | 99 | 0.00 |
| 32 TMP Trichloroethene | 0.346 | 0.333 | 3.8 | 101 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.320 | 0.314 | 1.9 | 103 | 0.00 |
| 34 TMP Bromodichloromethane | 0.402 | 0.383 | 4.7 | 103 | 0.00 |
| 35 S Toluene-d8 | 0.977 | 0.935 | 4.3 | 94 | 0.00 |
| 36 TMP Dibromomethane | 0.193 | 0.185 | 4.1 | 101 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.053 | 0.050 | 5.7 | 99 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.463 | 0.464 | -0.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 40 TMP Toluene | 1.101 | 0.979 | 11.1 | 98 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.577 | 0.592 | -2.6 | 102 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.336 | 0.325 | 3.3 | 98 | 0.00 |
| 43 TMP 2-Hexanone | 0.437 | 0.365 | 16.5 | 81 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\05-09-23\
 Data File : 050925.D
 Acq On : 09 May 2023 10:24 pm
 Operator :
 Sample : 10 ppb 8260 SCV 69-33c
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: May 10 11:51:23 2023
 Quant Method : Y:\Methods\Inst11\VB050923ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.536 | 4.1 | 92 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.337 | 7.4 | 99 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.356 | 2.7 | 98 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.384 | 2.8 | 97 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.947 | 0.4 | 94 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.915 | 2.4 | 99 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.334 | 3.5 | 98 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.686 | 4.9 | 98 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.686 | 6.5 | 97 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.996 | 6.0 | 98 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.604 | 1.4 | 100 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.247 | -1.6 | 102 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.944 | -1.5 | 98 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.784 | -1.0 | 101 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.724 | 4.4 | 96 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.485 | 5.3 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.944 | 0.4 | 103 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.832 | 3.4 | 97 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.163 | 2.2 | 99 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.510 | 6.2 | 99 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.136 | 1.7 | 98 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.651 | 2.9 | 102 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.304 | 2.0 | 101 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.672 | 4.1 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.461 | -2.0 | 105 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.416 | 3.9 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.413 | 1.2 | 99 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.202 | 0.5 | 102 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.969 | 1.1 | 106 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.469 | 1.1 | 99 | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.522 | -3.1 | 107 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.917 | -1.6 | 107 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

EPA 8260D
CCV Summaries

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 90511 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 70105 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 35055 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 28166 | 10.976 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 109.80% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5144 | 9.255 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 92.50% | | |
| 35) Toluene-d8 | 5.97 | 98 | 86279 | 9.755 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 97.50% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32566 | 9.986 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 99.90% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.85 | 45 | 401 | No Calib | # | | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 79353 | 9.955 | ppb | 99 | |
| 5) Chloromethane | 1.22 | 50 | 91917 | 9.286 | ppb | 90 | |
| 6] Vinyl chloride | 1.29 | 62 | 85885 | 10.029 | ppb | 98 | |
| 7) Bromomethane | 1.52 | 94 | 90716 | 14.607 | ppb | 94 | |
| 8] Chloroethane | 1.59 | 64 | 64090 | 11.562 | ppb | 99 | |
| 9) Trichlorofluoromethane | 1.77 | 101 | 103301 | 10.332 | ppb | 90 | |
| 10) 2-Propanol | 2.39 | 45 | 4983 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 45674 | 87.154 | ppb | 95 | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 42196 | 10.090 | ppb | 99 | |
| 13) Hexane | 3.05 | 57 | 41394 | 9.526 | ppb | 87 | |
| 14) Methylene chloride | 2.60 | 84 | 31500 | 11.209 | ppb | 85 | |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 18400 | 49.150 | ppb | 89 | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 86887 | 10.570 | ppb | 100 | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 29553 | 10.140 | ppb | 97 | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 92679 | 9.191 | ppb | 96 | |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 62925 | 10.370 | ppb | 98 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 30432 | 9.939 | ppb | 95 | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 38395 | 10.875 | ppb | 99 | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 33258 | 10.595 | ppb | 95 | |
| 23) Chloroform | 3.94 | 83 | 50805 | 9.339 | ppb | 84 | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 111968 | 57.812 | ppb | 97 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 75806 | 9.700 | ppb | 94 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 50564 | 10.191 | ppb | 98 | |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 49810 | 10.664 | ppb | 95 | |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 37460 | 9.355 | ppb | 97 | |
| 29) Carbon tetrachloride | 4.21 | 117 | 37372 | 12.360 | ppb | 80 | |
| 31] Benzene | 4.39 | 78 | 119952 | 9.911 | ppb | 94 | |
| 32] Trichloroethene | 4.92 | 95 | 31553 | 10.076 | ppb | 90 | |
| 33) 1,2-Dichloropropane | 5.12 | 63 | 28847 | 9.965 | ppb | 97 | |
| 34) Bromodichloromethane | 5.37 | 83 | 36312 | 9.971 | ppb | 97 | |
| 36) Dibromomethane | 5.22 | 93 | 18045 | 10.329 | ppb | 87 | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

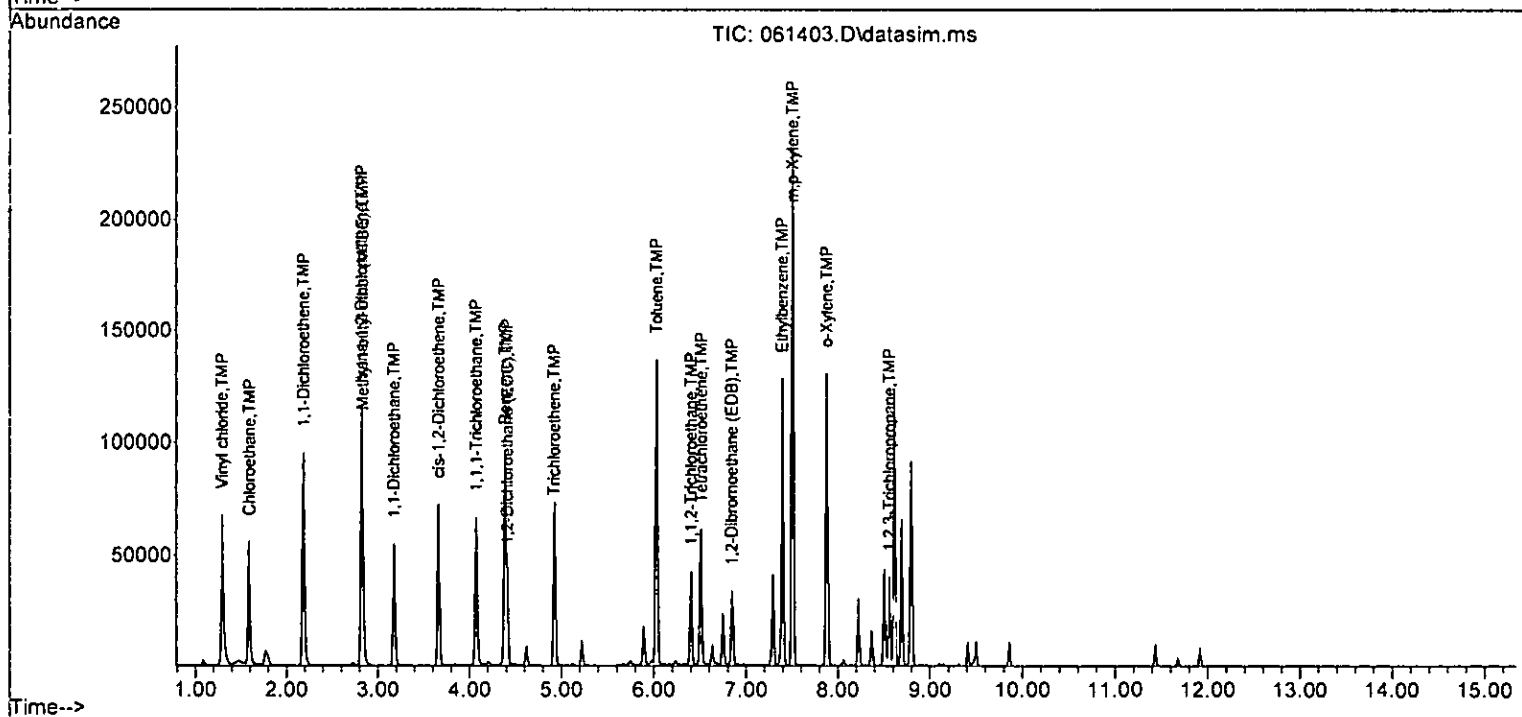
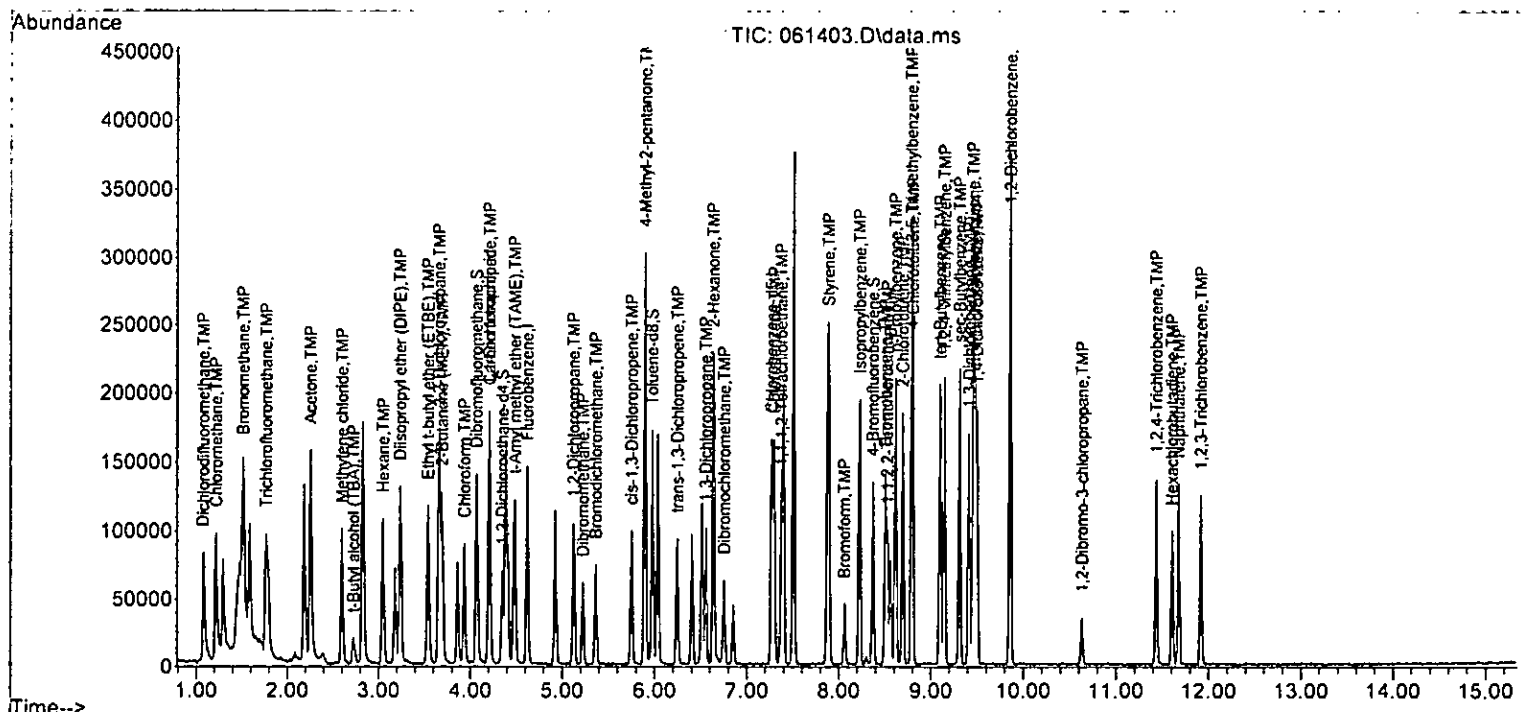
Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 23119 | 47.848 | ppb | # 80 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 38916 | 9.283 | ppb | 98 |
| 40] Toluene | 6.03 | 92 | 67089 | 9.485 | ppb | 97 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 36801 | 9.101 | ppb | 90 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 22501 | 9.563 | ppb | 91 |
| 43) 2-Hexanone | 6.63 | 43 | 149375 | 48.805 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 38011 | 9.706 | ppb | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 22474 | 9.417 | ppb | 98 |
| 46) Dibromochloromethane | 6.75 | 129 | 23758 | 9.264 | ppb | 89 |
| 47] 1,2-Dibromoethane (EDB) | 6.84 | 107 | 26168 | 9.447 | ppb | 94 |
| 48) Chlorobenzene | 7.30 | 112 | 63399 | 9.509 | ppb | 89 |
| 49] Ethylbenzene | 7.39 | 91 | 128313 | 9.328 | ppb | 94 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 24668 | 10.167 | ppb | 88 |
| 51] m,p-Xylene | 7.50 | 106 | 92749 | 18.360 | ppb | 89 |
| 52] o-Xylene | 7.88 | 106 | 47209 | 9.172 | ppb | 85 |
| 53) Styrene | 7.89 | 104 | 65299 | 8.785 | ppb | 100 |
| 54) Isopropylbenzene | 8.23 | 105 | 102234 | 8.968 | ppb | 96 |
| 55) Bromoform | 8.06 | 173 | 14047 | 8.247 | ppb | 89 |
| 58) n-Propylbenzene | 8.61 | 91 | 131041 | 9.973 | ppb | 98 |
| 59) Bromobenzene | 8.50 | 156 | 26553 | 10.006 | ppb | 99 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 86124 | 9.366 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 34930 | 10.509 | ppb | 92 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 30196 | 10.001 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 78948 | 10.186 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 93047 | 9.918 | ppb | 97 |
| 65) tert-Butylbenzene | 9.10 | 119 | 75621 | 9.932 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 93465 | 9.765 | ppb | 99 |
| 67) sec-Butylbenzene | 9.31 | 105 | 118225 | 10.005 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 95017 | 9.725 | ppb | 96 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 48324 | 9.620 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 49423 | 9.569 | ppb | 93 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 48713 | 9.719 | ppb | 92 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 6280 | 8.839 | ppb | 93 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 30476 | 8.874 | ppb | 92 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 14387 | 8.650 | ppb | 86 |
| 75) Naphthalene | 11.68 | 128 | 76756 | 8.952 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 27865 | 8.805 | ppb | 86 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 61 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 10.976 | -9.8 | 70 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 9.955 | 0.4 | 61 | 0.00 |
| 5 TMP | Chloromethane | 10.000 | 9.286 | 7.1 | 62 | 0.00 |
| 6 TMP | Vinyl chloride | 10.000 | 10.029 | -0.3 | 61 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 14.607 | -46.1# | 94 | 0.00 |
| 8 TMP | Chloroethane | 10.000 | 11.562 | -15.6 | 71 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 10.332 | -3.3 | 70 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 50.000 | 87.154 | -74.3# | 115 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 10.090 | -0.9 | 65 | 0.00 |
| 13 TMP | Hexane | 10.000 | 9.526 | 4.7 | 65 | 0.00 |
| 14 TMP | Methylene chloride | 10.000 | 11.209 | -12.1 | 72 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 49.150 | 1.7 | 62 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 10.570 | -5.7 | 66 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 10.140 | -1.4 | 68 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 10.000 | 9.191 | 8.1 | 60 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 10.370 | -3.7 | 66 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 9.939 | 0.6 | 64 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 10.875 | -8.8 | 70 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 10.595 | -6.0 | 69 | 0.00 |
| 23 TMP | Chloroform | 10.000 | 9.339 | 6.6 | 61 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 57.812 | -15.6 | 69 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 9.700 | 3.0 | 63 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 10.191 | -1.9 | 64 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 10.664 | -6.6 | 68 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 9.355 | 6.4 | 61 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 12.360 | -23.6# | 79 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.255 | 7.4 | 57 | 0.00 |
| 31 TMP | Benzene | 10.000 | 9.911 | 0.9 | 65 | 0.00 |
| 32 TMP | Trichloroethene | 10.000 | 10.076 | -0.8 | 65 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 9.965 | 0.4 | 65 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 9.971 | 0.3 | 66 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 9.755 | 2.4 | 59 | -0.01 |
| 36 TMP | Dibromomethane | 10.000 | 10.329 | -3.3 | 67 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 47.848 | 4.3 | 62 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 9.283 | 7.2 | 57 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 65 | 0.00 |
| 40 TMP | Toluene | 10.000 | 9.485 | 5.2 | 64 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 9.101 | 9.0 | 61 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 9.563 | 4.4 | 65 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 48.805 | 2.4 | 63 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Oev(min) |
|----|---------------------------------|--------|--------|------|-------|----------|
| 44 | TMP 1,3-Dichloropropane | 10.000 | 9.706 | 2.9 | 62 | 0.00 |
| 45 | TMP Tetrachloroethene | 10.000 | 9.417 | 5.8 | 63 | 0.00 |
| 46 | TMP Dibromochloromethane | 10.000 | 9.264 | 7.4 | 63 | 0.00 |
| 47 | TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.447 | 5.5 | 63 | -0.01 |
| 48 | TMP Chlorobenzene | 10.000 | 9.509 | 4.9 | 60 | 0.00 |
| 49 | TMP Ethylbenzene | 10.000 | 9.328 | 6.7 | 63 | 0.00 |
| 50 | TMP 1,1,1,2-Tetrachloroethane | 10.000 | 10.167 | -1.7 | 70 | 0.00 |
| 51 | TMP m,p-Xylene | 20.000 | 18.360 | 8.2 | 63 | 0.00 |
| 52 | TMP o-Xylene | 10.000 | 9.172 | 8.3 | 64 | 0.00 |
| 53 | TMP Styrene | 10.000 | 8.785 | 12.1 | 61 | 0.00 |
| 54 | TMP Isopropylbenzene | 10.000 | 8.968 | 10.3 | 61 | 0.00 |
| 55 | TMP Bromoform | 10.000 | 8.247 | 17.5 | 56 | 0.00 |
| 56 | I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 62 | 0.00 |
| 57 | 5 4-Bromofluorobenzene | 10.000 | 9.986 | 0.1 | 60 | 0.00 |
| 58 | TMP n-Propylbenzene | 10.000 | 9.973 | 0.3 | 62 | 0.00 |
| 59 | TMP Bromobenzene | 10.000 | 10.006 | -0.1 | 62 | 0.00 |
| 60 | TMP 1,3,5-Trimethylbenzene | 10.000 | 9.366 | 6.3 | 61 | 0.00 |
| 61 | TMP 1,1,2,2-Tetrachloroethane | 10.000 | 10.509 | -5.1 | 67 | 0.00 |
| 62 | TMP 1,2,3-Trichloropropane | 10.000 | 10.001 | -0.0 | 63 | 0.00 |
| 63 | TMP 2-Chlorotoluene | 10.000 | 10.186 | -1.9 | 64 | 0.00 |
| 64 | TMP 4-Chlorotoluene | 10.000 | 9.918 | 0.8 | 65 | 0.00 |
| 65 | TMP tert-Butylbenzene | 10.000 | 9.932 | 0.7 | 61 | 0.00 |
| 66 | TMP 1,2,4-Trimethylbenzene | 10.000 | 9.765 | 2.3 | 64 | 0.00 |
| 67 | TMP sec-Butylbenzene | 10.000 | 10.005 | -0.1 | 64 | 0.00 |
| 68 | TMP p-Isopropyltoluene | 10.000 | 9.725 | 2.8 | 63 | 0.00 |
| 69 | TMP 1,3-Dichlorobenzene | 10.000 | 9.620 | 3.8 | 61 | 0.00 |
| 70 | TMP 1,4-Dichlorobenzene | 10.000 | 9.569 | 4.3 | 62 | 0.00 |
| 71 | TMP 1,2-Dichlorobenzene | 10.000 | 9.719 | 2.8 | 61 | 0.00 |
| 72 | TMP 1,2-Dibromo-3-chloropropane | 10.000 | 8.839 | 11.6 | 56 | 0.00 |
| 73 | TMP 1,2,4-Trichlorobenzene | 10.000 | 8.874 | 11.3 | 59 | 0.00 |
| 74 | TMP Hexachlorobutadiene | 10.000 | 8.650 | 13.5 | 54 | 0.00 |
| 75 | TMP Naphthalene | 10.000 | 8.952 | 10.5 | 58 | 0.00 |
| 76 | TMP 1,2,3-Trichlorobenzene | 10.000 | 8.805 | 12.0 | 58 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 61 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S | Dibromofluoromethane | 0.284 | 0.311 | -9.5 | 70 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.881 | 0.877 | 0.5 | 61 | 0.00 |
| 5 TMP | Chloromethane | 1.094 | 1.016 | 7.1 | 62 | 0.00 |
| 6 TMP | Vinyl chloride | 0.946 | 0.949 | -0.3 | 61 | 0.00 |
| 7 TMP | Bromomethane | 0.686 | 1.002 | -46.1# | 94 | 0.00 |
| 8 TMP | Chloroethane | 0.612 | 0.708 | -15.7 | 71 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.105 | 1.141 | -3.3 | 70 | 0.00 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP | Acetone | 0.058 | 0.101 | -74.1# | 115 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.462 | 0.466 | -0.9 | 65 | 0.00 |
| 13 TMP | Hexane | 0.480 | 0.457 | 4.8 | 65 | 0.00 |
| 14 TMP | Methylene chloride | 0.310 | 0.348 | -12.3 | 72 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.041 | 0.041 | 0.0 | 62 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.908 | 0.960 | -5.7 | 66 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 0.322 | 0.327 | -1.6 | 68 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 1.114 | 1.024 | 8.1 | 60 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.670 | 0.695 | -3.7 | 66 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.338 | 0.336 | 0.6 | 64 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.390 | 0.424 | -8.7 | 70 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.347 | 0.367 | -5.8 | 69 | 0.00 |
| 23 TMP | Chloroform | 0.601 | 0.561 | 6.7 | 61 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 0.214 | 0.247 | -15.4 | 69 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.863 | 0.838 | 2.9 | 63 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.638 | 0.559 | 12.4 | 64 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.516 | 0.550 | -6.6 | 68 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.442 | 0.414 | 6.3 | 61 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.334 | 0.413 | -23.7# | 79 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.061 | 0.057 | 6.6 | 57 | 0.00 |
| 31 TMP | Benzene | 1.337 | 1.325 | 0.9 | 65 | 0.00 |
| 32 TMP | Trichloroethene | 0.346 | 0.349 | -0.9 | 65 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.320 | 0.319 | 0.3 | 65 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.402 | 0.401 | 0.2 | 66 | 0.00 |
| 35 S | Toluene-d8 | 0.977 | 0.953 | 2.5 | 59 | -0.01 |
| 36 TMP | Dibromomethane | 0.193 | 0.199 | -3.1 | 67 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.053 | 0.051 | 3.8 | 62 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.463 | 0.430 | 7.1 | 57 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 40 TMP | Toluene | 1.101 | 0.957 | 13.1 | 64 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.577 | 0.525 | 9.0 | 61 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.336 | 0.321 | 4.5 | 65 | 0.00 |
| 43 TMP | 2-Hexanone | 0.437 | 0.426 | 2.5 | 63 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061403.D
 Acq On : 14 Jun 2023 07:12 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-58N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:22 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----|---------------------------------|-------|-------|------|-------|----------|
| 44 | TMP 1,3-Dichloropropane | 0.559 | 0.542 | 3.0 | 62 | 0.00 |
| 45 | TMP Tetrachloroethene | 0.364 | 0.321 | 11.8 | 63 | 0.00 |
| 46 | TMP Dibromochloromethane | 0.366 | 0.339 | 7.4 | 63 | 0.00 |
| 47 | TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.373 | 5.6 | 63 | -0.01 |
| 48 | TMP Chlorobenzene | 0.951 | 0.904 | 4.9 | 60 | 0.00 |
| 49 | TMP Ethylbenzene | 1.962 | 1.830 | 6.7 | 63 | 0.00 |
| 50 | TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.352 | -1.7 | 70 | 0.00 |
| 51 | TMP m,p-Xylene | 0.721 | 0.662 | 8.2 | 63 | 0.00 |
| 52 | TMP o-Xylene | 0.734 | 0.673 | 8.3 | 64 | 0.00 |
| 53 | TMP Styrene | 1.060 | 0.931 | 12.2 | 61 | 0.00 |
| 54 | TMP Isopropylbenzene | 1.626 | 1.458 | 10.3 | 61 | 0.00 |
| 55 | TMP Bromoform | 0.243 | 0.200 | 17.7 | 56 | 0.00 |
| 56 | I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 57 | S 4-Bromofluorobenzene | 0.930 | 0.929 | 0.1 | 60 | 0.00 |
| 58 | TMP n-Propylbenzene | 3.748 | 3.738 | 0.3 | 62 | 0.00 |
| 59 | TMP Bromobenzene | 0.757 | 0.757 | 0.0 | 62 | 0.00 |
| 60 | TMP 1,3,5-Trimethylbenzene | 2.623 | 2.457 | 6.3 | 61 | 0.00 |
| 61 | TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.996 | -5.1 | 67 | 0.00 |
| 62 | TMP 1,2,3-Trichloropropane | 0.861 | 0.861 | 0.0 | 63 | 0.00 |
| 63 | TMP 2-Chlorotoluene | 2.211 | 2.252 | -1.9 | 64 | 0.00 |
| 64 | TMP 4-Chlorotoluene | 2.676 | 2.654 | 0.8 | 65 | 0.00 |
| 65 | TMP tert-Butylbenzene | 2.172 | 2.157 | 0.7 | 61 | 0.00 |
| 66 | TMP 1,2,4-Trimethylbenzene | 2.730 | 2.666 | 2.3 | 64 | 0.00 |
| 67 | TMP sec-Butylbenzene | 3.371 | 3.373 | -0.1 | 64 | 0.00 |
| 68 | TMP p-Isopropyltoluene | 2.787 | 2.711 | 2.7 | 63 | 0.00 |
| 69 | TMP 1,3-Dichlorobenzene | 1.433 | 1.379 | 3.8 | 61 | 0.00 |
| 70 | TMP 1,4-Dichlorobenzene | 1.473 | 1.410 | 4.3 | 62 | 0.00 |
| 71 | TMP 1,2-Dichlorobenzene | 1.430 | 1.390 | 2.8 | 61 | 0.00 |
| 72 | TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.179 | 11.8 | 56 | 0.00 |
| 73 | TMP 1,2,4-Trichlorobenzene | 0.980 | 0.869 | 11.3 | 59 | 0.00 |
| 74 | TMP Hexachlorobutadiene | 0.474 | 0.410 | 13.5 | 54 | 0.00 |
| 75 | TMP Naphthalene | 2.446 | 2.190 | 10.5 | 58 | 0.00 |
| 76 | TMP 1,2,3-Trichlorobenzene | 0.903 | 0.795 | 12.0 | 58 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 97433 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.26 | 117 | 70321 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 35295 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 26900 | 9.738 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 97.40% | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5629 | 9.408 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 94.10% | |
| 35) Toluene-d8 | 5.97 | 98 | 91649 | 9.626 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 96.30% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33786 | 10.290 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 102.90% | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.87 | 45 | 194 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 83447 | 9.725 | ppb | 96 | |
| 5) Chloromethane | 1.23 | 50 | 90340 | 8.478 | ppb | 94 | |
| 6] Vinyl chloride | 1.30 | 62 | 87357 | 9.476 | ppb | 93 | |
| 7) Bromomethane | 1.53 | 94 | 76412 | 11.429 | ppb | 99 | |
| 8] Chloroethane | 1.60 | 64 | 60868 | 10.200 | ppb | 92 | |
| 9) Trichlorofluoromethane | 1.78 | 101 | 101770 | 9.456 | ppb | 99 | |
| 10) 2-Propanol | 2.40 | 45 | 4760 | No Calib | | | |
| 11) Acetone | 2.26 | 58 | 19258 | 34.137 | ppb | 97 | |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 40947 | 9.095 | ppb | 87 | |
| 13) Hexane | 3.05 | 57 | 40360 | 8.628 | ppb | 94 | |
| 14) Methylene chloride | 2.61 | 84 | 29964 | 9.905 | ppb | 92 | |
| 15) t-Butyl alcohol (TBA) | 2.73 | 59 | 17386 | 43.142 | ppb | 91 | |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 84794 | 9.582 | ppb | 100 | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 29259 | 9.326 | ppb | 96 | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 92470 | 8.518 | ppb | 99 | |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 60967 | 9.333 | ppb | 98 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 28558 | 8.664 | ppb | 97 | |
| 21] 2,2-Dichloropropane | 3.67 | 77 | 35767 | 9.411 | ppb | 94 | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 32530 | 9.627 | ppb | 99 | |
| 23) Chloroform | 3.94 | 83 | 53074 | 9.063 | ppb | 96 | |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 78530 | 37.667 | ppb | 98 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 69936 | 8.313 | ppb | 97 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 50080 | 9.374 | ppb | 100 | |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 50224 | 9.988 | ppb | 99 | |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 38837 | 9.010 | ppb | 96 | |
| 29) Carbon tetrachloride | 4.21 | 117 | 37159 | 11.417 | ppb | 84 | |
| 31] Benzene | 4.38 | 78 | 120531 | 9.251 | ppb | 99 | |
| 32] Trichloroethene | 4.93 | 95 | 32120 | 9.529 | ppb | 100 | |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 29831 | 9.573 | ppb | 98 | |
| 34) Bromodichloromethane | 5.37 | 83 | 35640 | 9.091 | ppb | 95 | |
| 36) Dibromomethane | 5.22 | 93 | 18192 | 9.674 | ppb | 82 | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

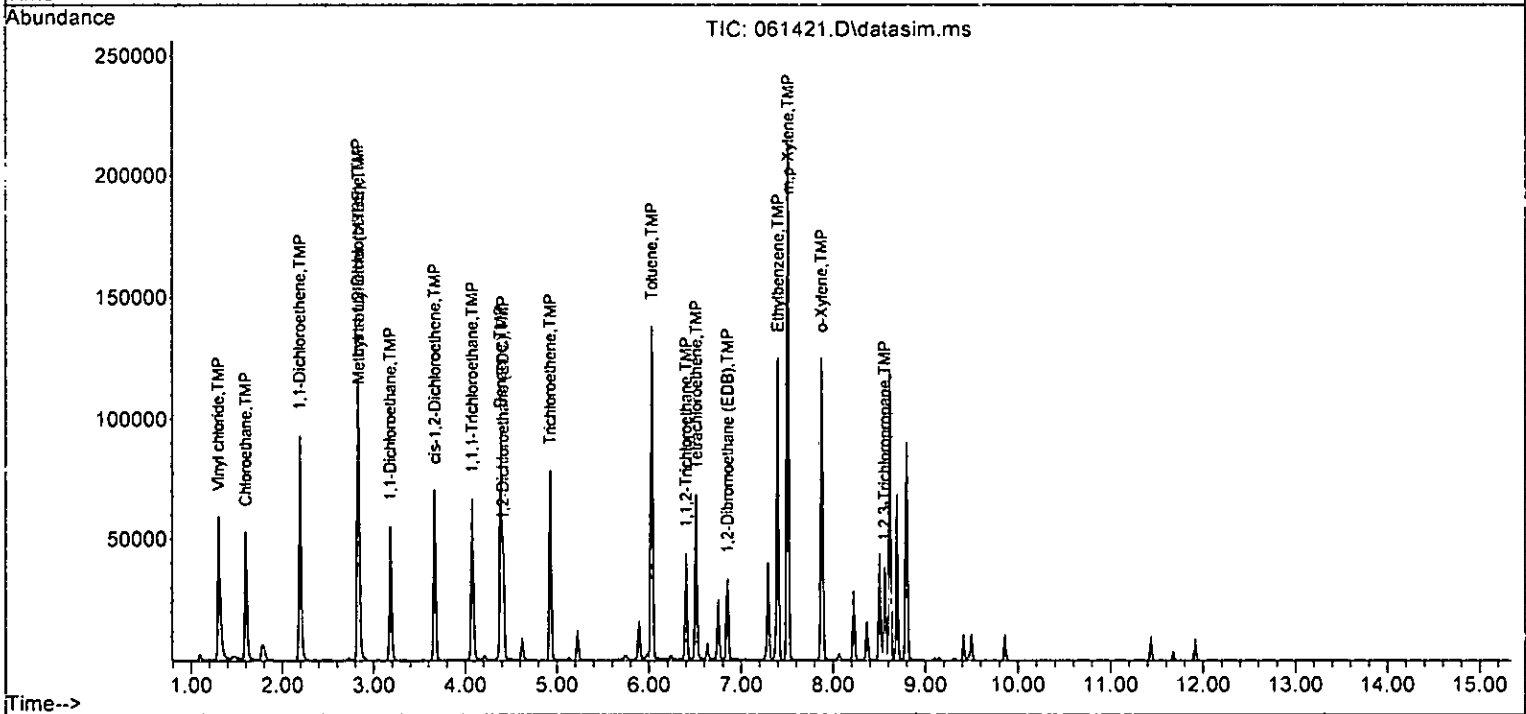
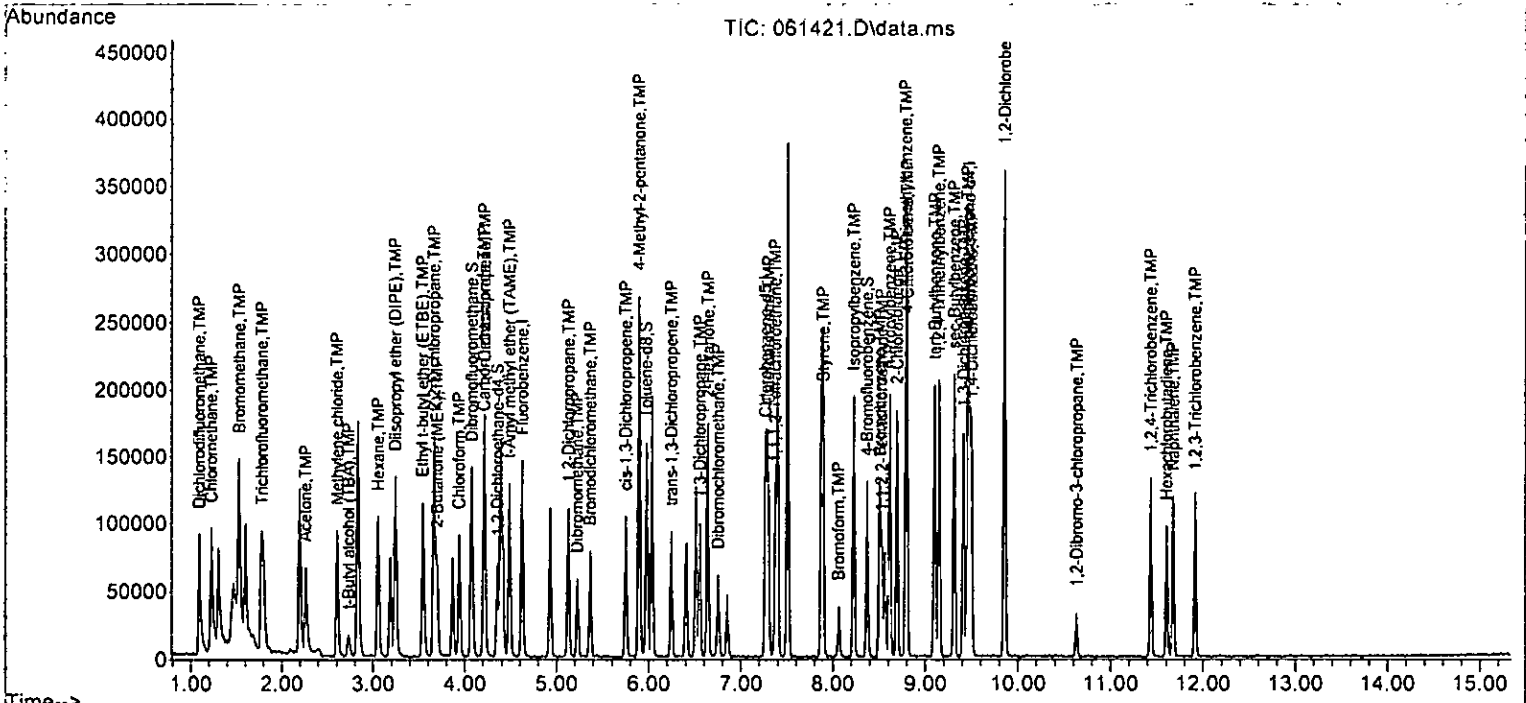
Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 20260 | 38.952 | ppb | 97 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 38647 | 8.564 | ppb | 95 |
| 40] Toluene | 6.03 | 92 | 67265 | 9.481 | ppb | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 35187 | 8.675 | ppb | 95 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 21983 | 9.314 | ppb | 95 |
| 43) 2-Hexanone | 6.64 | 43 | 105003 | 34.202 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 39629 | 10.088 | ppb | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 22434 | 9.371 | ppb | 97 |
| 46) Dibromochloromethane | 6.75 | 129 | 21795 | 8.472 | ppb | 97 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 25496 | 9.176 | ppb | 98 |
| 48) Chlorobenzene | 7.30 | 112 | 62240 | 9.306 | ppb | 85 |
| 49] Ethylbenzene | 7.40 | 91 | 128261 | 9.296 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 23150 | 9.512 | ppb | 96 |
| 51] m,p-Xylene | 7.51 | 106 | 92760 | 18.306 | ppb | 95 |
| 52] o-Xylene | 7.87 | 106 | 46342 | 8.976 | ppb | 81 |
| 53) Styrene | 7.90 | 104 | 64086 | 8.596 | ppb | 100 |
| 54) Isopropylbenzene | 8.23 | 105 | 98869 | 8.647 | ppb | 95 |
| 55) Bromoform | 8.06 | 173 | 13700 | 8.018 | ppb | 92 |
| 58) n-Propylbenzene | 8.61 | 91 | 129921 | 9.821 | ppb | 100 |
| 59) Bromobenzene | 8.50 | 156 | 24859 | 9.304 | ppb | 93 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 87625 | 9.464 | ppb | 89 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 30741 | 9.185 | ppb | 98 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 28423 | 9.350 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 76811 | 9.843 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 90006 | 9.528 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 75433 | 9.840 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 88087 | 9.141 | ppb | 97 |
| 67) sec-Butylbenzene | 9.31 | 105 | 112856 | 9.486 | ppb | 94 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 93004 | 9.454 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 47790 | 9.449 | ppb | 96 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 50589 | 9.728 | ppb | 94 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 46398 | 9.194 | ppb | 94 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 5923 | 8.280 | ppb | 93 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 28958 | 8.374 | ppb | 91 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 13041 | 7.788 | ppb | 89 |
| 75) Naphthalene | 11.68 | 128 | 71938 | 8.333 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 27918 | 8.762 | ppb | 91 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 66 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 9.738 | 2.6 | 66 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 9.725 | 2.8 | 64 | 0.00 |
| 5 TMP | Chloromethane | 10.000 | 8.478 | 15.2 | 60 | 0.00 |
| 6 TMP | Vinyl chloride | 10.000 | 9.476 | 5.2 | 62 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 11.429 | -14.3 | 79 | 0.00 |
| 8 TMP | Chloroethane | 10.000 | 10.200 | -2.0 | 67 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 9.456 | 5.4 | 69 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 50.000 | 34.137 | 31.7# | 49 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 9.095 | 9.0 | 63 | 0.00 |
| 13 TMP | Hexane | 10.000 | 8.628 | 13.7 | 63 | 0.00 |
| 14 TMP | Methylene chloride | 10.000 | 9.905 | 1.0 | 69 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 43.142 | 13.7 | 59 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 9.582 | 4.2 | 64 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 9.326 | 6.7 | 67 | 0.00 |
| 18 TMP | Diisopropyl ether (OIPE) | 10.000 | 8.518 | 14.8 | 60 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 9.333 | 6.7 | 64 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 8.664 | 13.4 | 60 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 9.411 | 5.9 | 65 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 9.627 | 3.7 | 68 | 0.00 |
| 23 TMP | Chloroform | 10.000 | 9.063 | 9.4 | 64 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 37.667 | 24.7# | 49 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 8.313 | 16.9 | 58 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 9.374 | 6.3 | 64 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 9.988 | 0.1 | 69 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 9.010 | 9.9 | 64 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 11.417 | -14.2 | 78 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.408 | 5.9 | 62 | 0.00 |
| 31 TMP | Benzene | 10.000 | 9.251 | 7.5 | 66 | 0.00 |
| 32 TMP | Trichloroethene | 10.000 | 9.529 | 4.7 | 66 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 9.573 | 4.3 | 67 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 9.091 | 9.1 | 65 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 9.626 | 3.7 | 63 | -0.01 |
| 36 TMP | Dibromomethane | 10.000 | 9.674 | 3.3 | 68 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 38.952 | 22.1# | 55 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 8.564 | 14.4 | 57 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 65 | 0.00 |
| 40 TMP | Toluene | 10.000 | 9.481 | 5.2 | 65 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 8.675 | 13.2 | 58 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 9.314 | 6.9 | 63 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 34.202 | 31.6# | 45 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 10.088 | -0.9 | 65 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 9.371 | 6.3 | 63 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 8.472 | 15.3 | 58 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.176 | 8.2 | 62 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 9.306 | 6.9 | 59 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.296 | 7.0 | 63 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 9.512 | 4.9 | 66 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 18.306 | 8.5 | 63 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 8.976 | 10.2 | 63 | 0.00 |
| 53 TMP Styrene | 10.000 | 8.596 | 14.0 | 60 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 8.647 | 13.5 | 59 | 0.00 |
| 55 TMP Bromoform | 10.000 | 8.018 | 19.8 | 54 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 62 | 0.00 |
| 57 5 4-Bromofluorobenzene | 10.000 | 10.290 | -2.9 | 62 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 9.821 | 1.8 | 61 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 9.304 | 7.0 | 58 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 9.464 | 5.4 | 62 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 9.185 | 8.1 | 59 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.350 | 6.5 | 59 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 9.843 | 1.6 | 63 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.528 | 4.7 | 63 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 9.840 | 1.6 | 61 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.141 | 8.6 | 60 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.486 | 5.1 | 61 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.454 | 5.5 | 61 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 9.449 | 5.5 | 61 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.728 | 2.7 | 63 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 9.194 | 8.1 | 58 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 8.280 | 17.2 | 53 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 8.374 | 16.3 | 56 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 7.788 | 22.1# | 49 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 8.333 | 16.7 | 54 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 8.762 | 12.4 | 58 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S | Dibromofluoromethane | 0.284 | 0.276 | 2.8 | 66 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.881 | 0.856 | 2.8 | 64 | 0.00 |
| 5 TMP | Chloromethane | 1.094 | 0.927 | 15.3 | 60 | 0.00 |
| 6 TMP | Vinyl chloride | 0.946 | 0.897 | 5.2 | 62 | 0.00 |
| 7 TMP | Bromomethane | 0.686 | 0.784 | -14.3 | 79 | 0.00 |
| 8 TMP | Chloroethane | 0.612 | 0.625 | -2.1 | 67 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.105 | 1.045 | 5.4 | 69 | 0.00 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP | Acetone | 0.058 | 0.040 | 31.0# | 49# | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.462 | 0.420 | 9.1 | 63 | 0.00 |
| 13 TMP | Hexane | 0.480 | 0.414 | 13.8 | 63 | 0.00 |
| 14 TMP | Methylene chloride | 0.310 | 0.308 | 0.6 | 69 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.041 | 0.036 | 12.2 | 59 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.908 | 0.870 | 4.2 | 64 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 0.322 | 0.300 | 6.8 | 67 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 1.114 | 0.949 | 14.8 | 60 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.670 | 0.626 | 6.6 | 64 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.338 | 0.293 | 13.3 | 60 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.390 | 0.367 | 5.9 | 65 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.347 | 0.334 | 3.7 | 68 | 0.00 |
| 23 TMP | Chloroform | 0.601 | 0.545 | 9.3 | 64 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 0.214 | 0.161 | 24.8# | 49# | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.863 | 0.718 | 16.8 | 58 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.638 | 0.514 | 19.4 | 64 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.516 | 0.515 | 0.2 | 69 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.442 | 0.399 | 9.7 | 64 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.334 | 0.381 | -14.1 | 78 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.061 | 0.058 | 4.9 | 62 | 0.00 |
| 31 TMP | Benzene | 1.337 | 1.237 | 7.5 | 66 | 0.00 |
| 32 TMP | Trichloroethene | 0.346 | 0.330 | 4.6 | 66 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.320 | 0.306 | 4.4 | 67 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.402 | 0.366 | 9.0 | 65 | 0.00 |
| 35 S | Toluene-d8 | 0.977 | 0.941 | 3.7 | 63 | -0.01 |
| 36 TMP | Dibromomethane | 0.193 | 0.187 | 3.1 | 68 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.053 | 0.042 | 20.8# | 55 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.463 | 0.397 | 14.3 | 57 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 40 TMP | Toluene | 1.101 | 0.957 | 13.1 | 65 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.577 | 0.500 | 13.3 | 58 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.336 | 0.313 | 6.8 | 63 | 0.00 |
| 43 TMP | 2-Hexanone | 0.437 | 0.299 | 31.6# | 45# | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061421.D
 Acq On : 14 Jun 2023 02:53 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 15:00:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.564 | -0.9 | 65 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.319 | 12.4 | 63 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.310 | 15.3 | 58 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.363 | 8.1 | 62 | 0.00 |
| 48 TMP Chlorobenzene | 0.951 | 0.885 | 6.9 | 59 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.824 | 7.0 | 63 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.329 | 4.9 | 66 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.660 | 8.5 | 63 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.659 | 10.2 | 63 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.911 | 14.1 | 60 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.406 | 13.5 | 59 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.195 | 19.8 | 54 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.957 | -2.9 | 62 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.681 | 1.8 | 61 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.704 | 7.0 | 58 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.483 | 5.3 | 62 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.871 | 8.1 | 59 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.805 | 6.5 | 59 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.176 | 1.6 | 63 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.550 | 4.7 | 63 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.137 | 1.6 | 61 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.496 | 8.6 | 60 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.198 | 5.1 | 61 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.635 | 5.5 | 61 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.354 | 5.5 | 61 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.433 | 2.7 | 63 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.315 | 8.0 | 58 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.168 | 17.2 | 53 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.820 | 16.3 | 56 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.369 | 22.2# | 49# | 0.00 |
| 75 TMP Naphthalene | 2.446 | 2.038 | 16.7 | 54 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.791 | 12.4 | 58 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 86944 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 63979 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33190 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 27425 | 11.125 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 111.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5379 | 10.075 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 79 - 128 | Recovery | = | 100.70% | |
| 35) Toluene-d8 | 5.97 | 98 | 85296 | 10.039 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 121 | Recovery | = | 100.40% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32603 | 10.559 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 84 - 116 | Recovery | = | 105.60% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.87 | 45 | 158 | No Calib | # | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 78453 | 10.246 | ppb | 93 |
| 5) Chloromethane | 1.22 | 50 | 90320 | 9.499 | ppb | 98 |
| 6] Vinyl chloride | 1.30 | 62 | 84449 | 10.266 | ppb | 98 |
| 7) Bromomethane | 1.52 | 94 | 62502 | 10.477 | ppb | 96 |
| 8] Chloroethane | 1.60 | 64 | 53954 | 10.133 | ppb | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 98442 | 10.250 | ppb | 93 |
| 10) 2-Propanol | 2.39 | 45 | 3625 | No Calib | | |
| 11) Acetone | 2.25 | 58 | 15812 | 31.410 | ppb | 95 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 36238 | 9.021 | ppb | 95 |
| 13] Hexane | 3.05 | 57 | 37996 | 9.103 | ppb | 95 |
| 14) Methylene chloride | 2.60 | 84 | 27672 | 10.251 | ppb | 90 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 13619 | 37.872 | ppb | 81 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 79148 | 10.023 | ppb | 97 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 26873 | 9.598 | ppb | 95 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 87335 | 9.016 | ppb | 100 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 58248 | 9.993 | ppb | 97 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 27720 | 9.425 | ppb | 97 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 33482 | 9.873 | ppb | 98 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 29146 | 9.666 | ppb | 88 |
| 23) Chloroform | 3.94 | 83 | 48574 | 9.295 | ppb | 96 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 61557 | 33.088 | ppb | 94 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 66097 | 8.805 | ppb | 98 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 47019 | 9.864 | ppb | 98 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 47167 | 10.512 | ppb | 97 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 36041 | 9.370 | ppb | 94 |
| 29) Carbon tetrachloride | 4.21 | 117 | 33755 | 11.622 | ppb | 83 |
| 31] Benzene | 4.39 | 78 | 111471 | 9.588 | ppb | 96 |
| 32] Trichloroethene | 4.93 | 95 | 29830 | 9.917 | ppb | 92 |
| 33) 1,2-Dichloropropane | 5.12 | 63 | 27606 | 9.928 | ppb | 99 |
| 34) Bromodichloromethane | 5.37 | 83 | 33897 | 9.690 | ppb | 98 |
| 36) Dibromomethane | 5.22 | 93 | 17112 | 10.197 | ppb | 89 |

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

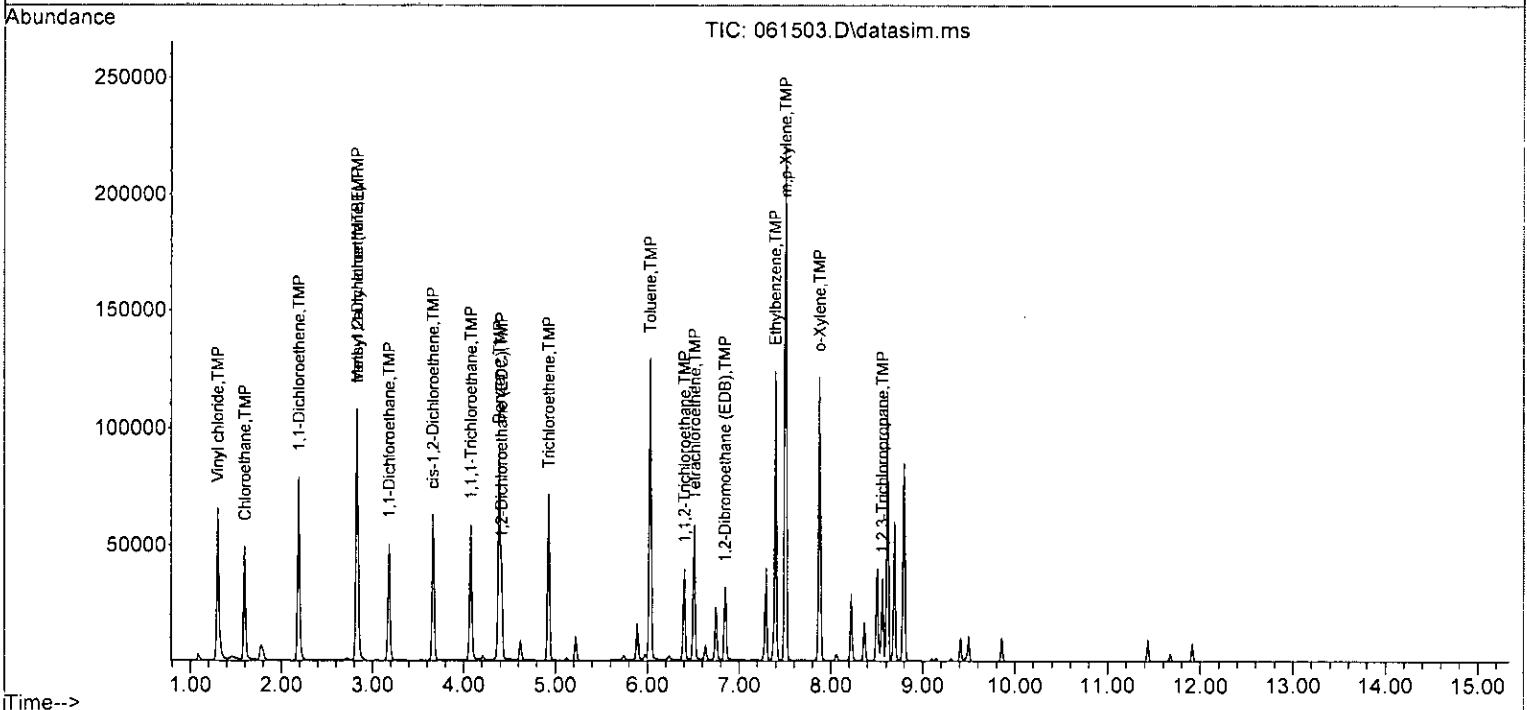
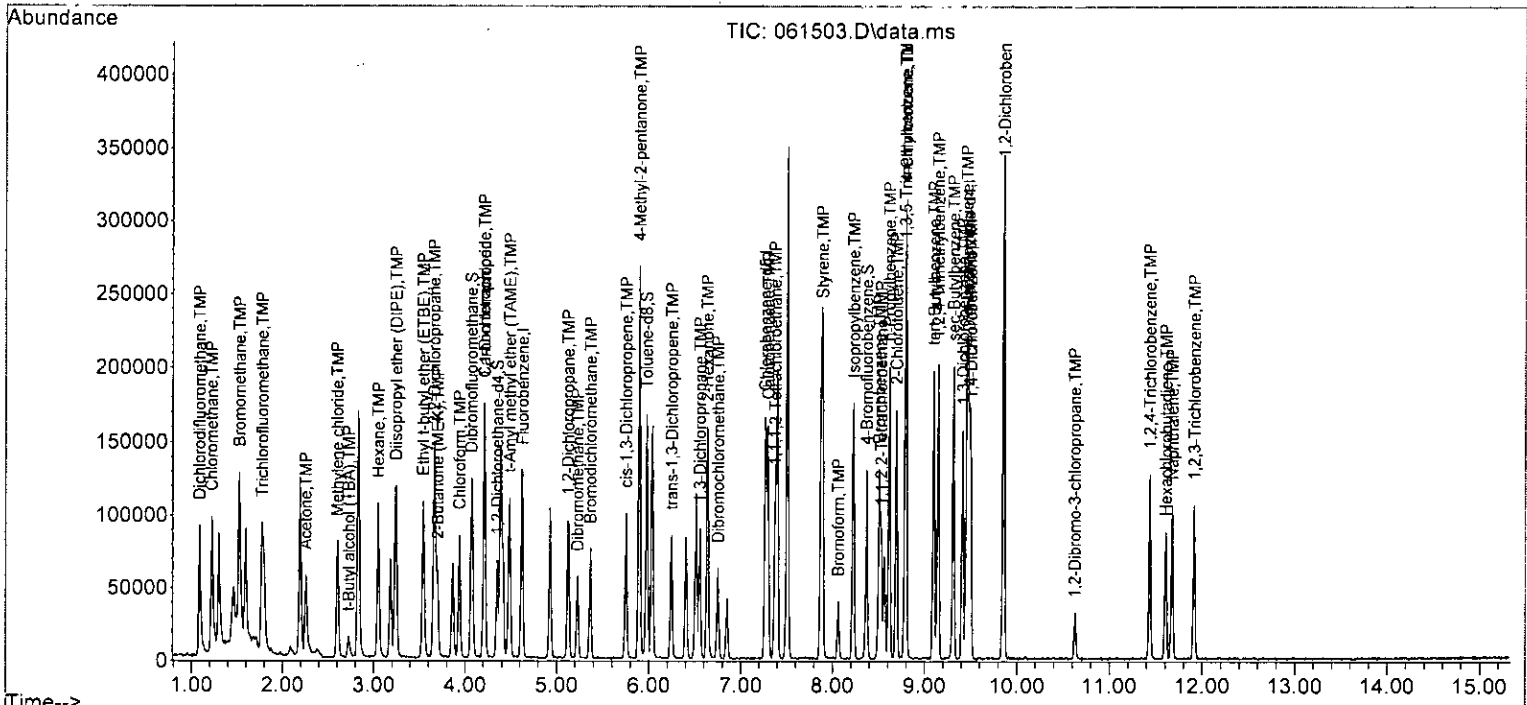
Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 19647 | 42.331 | ppb | 96 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 41059 | 10.196 | ppb | 95 |
| 40] Toluene | 6.03 | 92 | 63567 | 9.849 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 35961 | 9.744 | ppb | 94 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 21072 | 9.813 | ppb | 92 |
| 43) 2-Hexanone | 6.63 | 43 | 104876 | 37.547 | ppb | 97 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 34164 | 9.559 | ppb | 93 |
| 45] Tetrachloroethene | 6.51 | 164 | 20974 | 9.630 | ppb | 98 |
| 46) Dibromochloromethane | 6.75 | 129 | 20553 | 8.781 | ppb | 95 |
| 47] 1,2-Dibromoethane (EDB) | 6.84 | 107 | 24445 | 9.670 | ppb | 94 |
| 48) Chlorobenzene | 7.30 | 112 | 62119 | 10.209 | ppb | 96 |
| 49] Ethylbenzene | 7.39 | 91 | 121419 | 9.672 | ppb | 94 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 21737 | 9.817 | ppb | 89 |
| 51] m,p-Xylene | 7.50 | 106 | 88842 | 19.271 | ppb | 88 |
| 52] o-Xylene | 7.87 | 106 | 43763 | 9.317 | ppb | 86 |
| 53) Styrene | 7.89 | 104 | 60696 | 8.948 | ppb | 94 |
| 54) Isopropylbenzene | 8.23 | 105 | 93511 | 8.989 | ppb | 97 |
| 55) Bromoform | 8.06 | 173 | 12844 | 8.262 | ppb | 93 |
| 58) n-Propylbenzene | 8.61 | 91 | 121998 | 9.807 | ppb | 99 |
| 59) Bromobenzene | 8.50 | 156 | 23830 | 9.484 | ppb | 98 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 80404 | 9.235 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 32035 | 10.179 | ppb | 99 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 27002 | 9.446 | ppb | 91 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 74178 | 10.108 | ppb | 95 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 85971 | 9.679 | ppb | 97 |
| 65) tert-Butylbenzene | 9.10 | 119 | 68645 | 9.523 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 85398 | 9.424 | ppb | 96 |
| 67) sec-Butylbenzene | 9.31 | 105 | 109057 | 9.748 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 84634 | 9.149 | ppb | 95 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 46824 | 9.845 | ppb | 97 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 46722 | 9.555 | ppb | 96 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 45827 | 9.657 | ppb | 94 |
| 72) 1,2-Dibromo-3-chloropr... | 10.62 | 75 | 5838 | 8.678 | ppb # | 61 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 25777 | 7.927 | ppb | 96 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 12474 | 7.922 | ppb | 85 |
| 75) Naphthalene | 11.68 | 128 | 63862 | 7.867 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 25163 | 8.398 | ppb | 96 |

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

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 59 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 11.125 | -11.3 | 68 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 10.246 | -2.5 | 60 | 0.00 |
| 5 TMP | Chloromethane | 10.000 | 9.499 | 5.0 | 60 | 0.00 |
| 6 TMP | Vinyl chloride | 10.000 | 10.266 | -2.7 | 60 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 10.477 | -4.8 | 65 | 0.00 |
| 8 TMP | Chloroethane | 10.000 | 10.133 | -1.3 | 60 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 10.250 | -2.5 | 66 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 11 TMP | Acetone | 50.000 | 31.410 | 37.2# | 40 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 9.021 | 9.8 | 56 | 0.00 |
| 13 TMP | Hexane | 10.000 | 9.103 | 9.0 | 60 | 0.00 |
| 14 TMP | Methylene chloride | 10.000 | 10.251 | -2.5 | 63 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 37.872 | 24.3# | 46 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 10.023 | -0.2 | 60 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 9.598 | 4.0 | 61 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 10.000 | 9.016 | 9.8 | 57 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 9.993 | 0.1 | 61 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 9.425 | 5.7 | 58 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 9.873 | 1.3 | 61 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 9.666 | 3.3 | 61 | 0.00 |
| 23 TMP | Chloroform | 10.000 | 9.295 | 7.1 | 59 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 33.088 | 33.8# | 38 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 8.805 | 12.0 | 55 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 9.864 | 1.4 | 60 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 10.512 | -5.1 | 65 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 9.370 | 6.3 | 59 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 11.622 | -16.2 | 71 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.075 | -0.7 | 60 | 0.00 |
| 31 TMP | Benzene | 10.000 | 9.588 | 4.1 | 61 | 0.00 |
| 32 TMP | Trichloroethene | 10.000 | 9.917 | 0.8 | 62 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 9.928 | 0.7 | 62 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 9.690 | 3.1 | 62 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.039 | -0.4 | 58 | -0.01 |
| 36 TMP | Dibromomethane | 10.000 | 10.197 | -2.0 | 64 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 42.331 | 15.3 | 53 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 10.196 | -2.0 | 60 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 59 | 0.00 |
| 40 TMP | Toluene | 10.000 | 9.849 | 1.5 | 61 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 9.744 | 2.6 | 59 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 9.813 | 1.9 | 61 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 37.547 | 24.9# | 44 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 9.559 | 4.4 | 56 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 9.630 | 3.7 | 59 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 8.781 | 12.2 | 54 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.670 | 3.3 | 59 | -0.01 |
| 48 TMP Chlorobenzene | 10.000 | 10.209 | -2.1 | 59 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.672 | 3.3 | 60 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 9.817 | 1.8 | 62 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 19.271 | 3.6 | 61 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 9.317 | 6.8 | 60 | 0.00 |
| 53 TMP Styrene | 10.000 | 8.948 | 10.5 | 57 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 8.989 | 10.1 | 56 | 0.00 |
| 55 TMP Bromoform | 10.000 | 8.262 | 17.4 | 51 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 59 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.559 | -5.6 | 60 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 9.807 | 1.9 | 58 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 9.484 | 5.2 | 56 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 9.235 | 7.7 | 57 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 10.179 | -1.8 | 62 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.446 | 5.5 | 56 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 10.108 | -1.1 | 60 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.679 | 3.2 | 60 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 9.523 | 4.8 | 56 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.424 | 5.8 | 58 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.748 | 2.5 | 59 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.149 | 8.5 | 56 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 9.845 | 1.5 | 60 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.555 | 4.5 | 58 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 9.657 | 3.4 | 57 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 8.678 | 13.2 | 52 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 7.927 | 20.7# | 50 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 7.922 | 20.8# | 46 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 7.867 | 21.3# | 48 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 8.398 | 16.0 | 52 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | 0.00 |
| 3 S | Dibromofluoromethane | 0.284 | 0.315 | -10.9 | 68 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.881 | 0.902 | -2.4 | 60 | 0.00 |
| 5 TMP | Chloromethane | 1.094 | 1.039 | 5.0 | 60 | 0.00 |
| 6 TMP | Vinyl chloride | 0.946 | 0.971 | -2.6 | 60 | 0.00 |
| 7 TMP | Bromomethane | 0.686 | 0.719 | -4.8 | 65 | 0.00 |
| 8 TMP | Chloroethane | 0.612 | 0.621 | -1.5 | 60 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.105 | 1.132 | -2.4 | 66 | 0.00 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 11 TMP | Acetone | 0.058 | 0.036 | 37.9# | 40# | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.462 | 0.417 | 9.7 | 56 | 0.00 |
| 13 TMP | Hexane | 0.480 | 0.437 | 9.0 | 60 | 0.00 |
| 14 TMP | Methylene chloride | 0.310 | 0.318 | -2.6 | 63 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.041 | 0.031 | 24.4# | 46# | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.908 | 0.910 | -0.2 | 60 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 0.322 | 0.309 | 4.0 | 61 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 1.114 | 1.004 | 9.9 | 57 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.670 | 0.670 | 0.0 | 61 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.338 | 0.319 | 5.6 | 58 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.390 | 0.385 | 1.3 | 61 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.347 | 0.335 | 3.5 | 61 | 0.00 |
| 23 TMP | Chloroform | 0.601 | 0.559 | 7.0 | 59 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 0.214 | 0.142 | 33.6# | 38# | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.863 | 0.760 | 11.9 | 55 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.638 | 0.541 | 15.2 | 60 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.516 | 0.542 | -5.0 | 65 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.442 | 0.415 | 6.1 | 59 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.334 | 0.388 | -16.2 | 71 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.061 | 0.062 | -1.6 | 60 | 0.00 |
| 31 TMP | Benzene | 1.337 | 1.282 | 4.1 | 61 | 0.00 |
| 32 TMP | Trichloroethene | 0.346 | 0.343 | 0.9 | 62 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.320 | 0.318 | 0.6 | 62 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.402 | 0.390 | 3.0 | 62 | 0.00 |
| 35 S | Toluene-d8 | 0.977 | 0.981 | -0.4 | 58 | -0.01 |
| 36 TMP | Dibromomethane | 0.193 | 0.197 | -2.1 | 64 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.053 | 0.045 | 15.1 | 53 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.463 | 0.472 | -1.9 | 60 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 40 TMP | Toluene | 1.101 | 0.994 | 9.7 | 61 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.577 | 0.562 | 2.6 | 59 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.336 | 0.329 | 2.1 | 61 | 0.00 |
| 43 TMP | 2-Hexanone | 0.437 | 0.328 | 24.9# | 44# | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061503.D
 Acq On : 15 Jun 2023 08:20 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:42 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.559 | 0.534 | 4.5 | 56 | 0.00 |
| 45 TMP Tetrachloroethene | 0.364 | 0.328 | 9.9 | 59 | 0.00 |
| 46 TMP Dibromochloromethane | 0.366 | 0.321 | 12.3 | 54 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.395 | 0.382 | 3.3 | 59 | -0.01 |
| 48 TMP Chlorobenzene | 0.951 | 0.971 | -2.1 | 59 | 0.00 |
| 49 TMP Ethylbenzene | 1.962 | 1.898 | 3.3 | 60 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.346 | 0.340 | 1.7 | 62 | 0.00 |
| 51 TMP m,p-Xylene | 0.721 | 0.694 | 3.7 | 61 | 0.00 |
| 52 TMP o-Xylene | 0.734 | 0.684 | 6.8 | 60 | 0.00 |
| 53 TMP Styrene | 1.060 | 0.949 | 10.5 | 57 | 0.00 |
| 54 TMP Isopropylbenzene | 1.626 | 1.462 | 10.1 | 56 | 0.00 |
| 55 TMP Bromoform | 0.243 | 0.201 | 17.3 | 51 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.930 | 0.982 | -5.6 | 60 | 0.00 |
| 58 TMP n-Propylbenzene | 3.748 | 3.676 | 1.9 | 58 | 0.00 |
| 59 TMP Bromobenzene | 0.757 | 0.718 | 5.2 | 56 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.623 | 2.423 | 7.6 | 57 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.948 | 0.965 | -1.8 | 62 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.861 | 0.814 | 5.5 | 56 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.211 | 2.235 | -1.1 | 60 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.676 | 2.590 | 3.2 | 60 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.172 | 2.068 | 4.8 | 56 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.730 | 2.573 | 5.8 | 58 | 0.00 |
| 67 TMP sec-Butylbenzene | 3.371 | 3.286 | 2.5 | 59 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.787 | 2.550 | 8.5 | 56 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.433 | 1.411 | 1.5 | 60 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.473 | 1.408 | 4.4 | 58 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.430 | 1.381 | 3.4 | 57 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.203 | 0.176 | 13.3 | 52 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.980 | 0.777 | 20.7# | 50# | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.474 | 0.376 | 20.7# | 46# | 0.00 |
| 75 TMP Naphthalene | 2.446 | 1.924 | 21.3# | 48# | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.903 | 0.758 | 16.1 | 52 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

EPA 8260D
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst11\050923vms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration

Non-Spiked Sample: 061407.D

| Spike Sample | Spike Duplicate Sample |
|--------------------------------|------------------------|
| File ID : 061404.D | 061405.D |
| Sample : 03-1112 lcs | 03-1112 lcsd |
| Acq Time: 14 Jun 2023 07:35 am | 14 Jun 2023 07:57 am |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|----------------------|-------------|-------------|-----------|---------|------------|----------|-----|---------------|-----------------|
| Ethanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Dichlorodifluorometh | 0.0 | 10 | 9 | 10 | 93 | 99 | 6 | 20 | 46-206 |
| Chloromethane | 0.1 | 10 | 9 | 9 | 87 | 89 | 2 | 20 | 59-132 |
| Vinyl chloride | 0.0 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 64-142 |
| Bromomethane | 0.0 | 10 | 9 | 8 | 86 | 83 | 4 | 20 | 50-197 |
| Chloroethane | 0.0 | 10 | 9 | 9 | 90 | 88 | 2 | 20 | 70-130 |
| Trichlorofluorometha | 0.0 | 10 | 10 | 9 | 97 | 92 | 5 | 20 | 51-159 |
| 2-Propanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Acetone | 2.8 | 50 | 37 | 34 | 68 | 62 | 10 | 20 | 10-140 |
| 1,1-Dichloroethene | 0.0 | 10 | 10 | 10 | 97 | 95 | 2 | 20 | 64-140 |
| Hexane | 0.1 | 10 | 9 | 9 | 91 | 87 | 5 | 20 | 54-136 |
| Methylene chloride | 1.3 | 10 | 11 | 11 | 99 | 96 | 4 | 20 | 43-134 |
| t-Butyl alcohol (TBA | 0.0 | 50 | 46 | 41 | 92 | 83 | 11 | 20 | 66-132 |
| Methyl t-butyl ether | 0.0 | 10 | 10 | 10 | 101 | 100 | 2 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 10 | 10 | 10 | 97 | 96 | 1 | 20 | 70-130 |
| Diisopropyl ether (D | 0.0 | 10 | 9 | 9 | 88 | 89 | 1 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 10 | 10 | 10 | 100 | 99 | 1 | 20 | 70-130 |
| Ethyl t-butyl ether | 0.0 | 10 | 9 | 10 | 94 | 96 | 2 | 20 | 70-130 |
| 2,2-Dichloropropane | 0.0 | 10 | 10 | 11 | 103 | 105 | 2 | 20 | 64-148 |
| cis-1,2-Dichloroethe | 0.0 | 10 | 10 | 10 | 103 | 98 | 5 | 20 | 70-130 |
| Chloroform | 0.0 | 10 | 9 | 9 | 93 | 92 | 1 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.0 | 50 | 36 | 34 | 72 | 69 | 5 | 20 | 47-112 |
| t-Amyl methyl ether | 0.0 | 10 | 9 | 9 | 92 | 90 | 2 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 10 | 10 | 10 | 99 | 97 | 2 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 10 | 10 | 10 | 104 | 102 | 2 | 20 | 70-130 |
| 1,1-Dichloropropene | 0.0 | 10 | 10 | 9 | 96 | 91 | 5 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 10 | 13 | 12 | 129 | 117 | 10 | 20 | 70-130 |
| Benzene | 0.0 | 10 | 10 | 9 | 97 | 95 | 2 | 20 | 70-130 |
| Trichloroethene | 0.0 | 10 | 10 | 10 | 98 | 96 | 2 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 10 | 10 | 9 | 99 | 91 | 8 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 10 | 9 | 9 | 94 | 94 | 0 | 20 | 70-130 |
| Dibromomethane | 0.0 | 10 | 10 | 10 | 101 | 96 | 4 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 50 | 44 | 44 | 88 | 87 | 1 | 20 | 68-130 |
| cis-1,3-Dichloroprop | 0.0 | 10 | 10 | 9 | 95 | 90 | 5 | 20 | 69-131 |
| Toluene | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 10 | 10 | 10 | 95 | 96 | 1 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 10 | 10 | 10 | 102 | 101 | 1 | 20 | 70-130 |

| | | | | | | | | | |
|-----------------------|-----|----|----|----|-----|-----|---|----|--------|
| 2-Hexanone | 0.1 | 50 | 39 | 37 | 78 | 73 | 7 | 20 | 45-138 |
| 1,3-Dichloropropane | 0.0 | 10 | 10 | 11 | 103 | 105 | 2 | 20 | 70-130 |
| Tetrachloroethene | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| Dibromochloromethane | 0.0 | 10 | 9 | 10 | 93 | 97 | 5 | 20 | 60-148 |
| 1,2-Dibromoethane (E) | 0.0 | 10 | 10 | 10 | 102 | 100 | 2 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 10 | 10 | 10 | 101 | 96 | 5 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 10 | 10 | 10 | 100 | 99 | 1 | 20 | 70-130 |
| 1,1,1,2-Tetrachloroe | 0.0 | 10 | 10 | 10 | 103 | 99 | 4 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 20 | 20 | 20 | 99 | 98 | 1 | 20 | 70-130 |
| o-Xylene | 0.0 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 70-130 |
| Styrene | 0.0 | 10 | 9 | 9 | 93 | 90 | 3 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 10 | 10 | 10 | 97 | 97 | 1 | 20 | 70-130 |
| Bromoform | 0.0 | 10 | 9 | 8 | 87 | 80 | 8 | 20 | 69-138 |
| n-Propylbenzene | 0.0 | 10 | 10 | 11 | 101 | 105 | 4 | 20 | 70-130 |
| Bromobenzene | 0.0 | 10 | 10 | 10 | 100 | 97 | 3 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 10 | 10 | 10 | 100 | 98 | 1 | 20 | 70-130 |
| 1,1,2,2-Tetrachloroe | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| 1,2,3-Trichloropropa | 0.0 | 10 | 10 | 10 | 99 | 99 | 1 | 20 | 70-130 |
| 2-Chlorotoluene | 0.0 | 10 | 10 | 11 | 99 | 107 | 7 | 20 | 70-130 |
| 4-Chlorotoluene | 0.0 | 10 | 10 | 10 | 96 | 98 | 2 | 20 | 70-130 |
| tert-Butylbenzene | 0.0 | 10 | 10 | 10 | 97 | 100 | 3 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 10 | 9 | 10 | 93 | 101 | 8 | 20 | 70-130 |
| sec-Butylbenzene | 0.0 | 10 | 10 | 10 | 98 | 99 | 2 | 20 | 70-130 |
| p-Isopropyltoluene | 0.0 | 10 | 10 | 10 | 97 | 95 | 2 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 100 | 104 | 4 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 98 | 100 | 2 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 98 | 102 | 4 | 20 | 70-130 |
| 1,2-Dibromo-3-chloro | 0.0 | 10 | 9 | 9 | 89 | 94 | 6 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.1 | 10 | 9 | 9 | 88 | 89 | 1 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 10 | 8 | 8 | 77 | 81 | 5 | 20 | 70-130 |
| Naphthalene | 0.1 | 10 | 9 | 9 | 88 | 90 | 2 | 20 | 70-130 |
| 1,2,3-Trichlorobenze | 0.0 | 10 | 8 | 9 | 83 | 90 | 9 | 20 | 70-130 |

- Fails Limit Check

050923vms11.M

Wed Jun 14 12:06:21 2023

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst11\050923vms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration

Non-Spiked Sample: 061416.D

| Spike Sample | Spike Duplicate Sample |
|--------------------------------|------------------------|
| File ID : 061417.D | 061419.D |
| Sample : 306191-01 ms | 306191-01 msd rr |
| Acq Time: 14 Jun 2023 01:20 pm | 14 Jun 2023 02:07 pm |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|----------------------|-------------|-------------|-----------|---------|------------|----------|-----|---------------|-----------------|
| Ethanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Dichlorodifluorometh | 0.1 | 10 | 7 | 6 | 70 | 61 | 12 | 20 | 46-206 |
| Chloromethane | 0.2 | 10 | 6 | 6 | 62 | 59# | 5 | 20 | 59-132 |
| Vinyl chloride | 0.0 | 10 | 7 | 6 | 67 | 65 | 4 | 20 | 64-142 |
| Bromomethane | 0.0 | 10 | 6 | 6 | 63 | 57 | 10 | 20 | 50-197 |
| Chloroethane | 0.0 | 10 | 6 | 6 | 64# | 60# | 6 | 20 | 70-130 |
| Trichlorofluorometha | 0.0 | 10 | 7 | 6 | 66 | 63 | 4 | 20 | 51-159 |
| 2-Propanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Acetone | 1.0 | 50 | 30 | 31 | 59 | 59 | 1 | 20 | 10-140 |
| 1,1-Dichloroethene | 0.0 | 10 | 7 | 6 | 65 | 57# | 12 | 20 | 64-140 |
| Hexane | 0.0 | 10 | 6 | 6 | 62 | 60 | 3 | 20 | 54-136 |
| Methylene chloride | 1.1 | 10 | 8 | 7 | 69 | 55 | 22# | 20 | 43-134 |
| t-Butyl alcohol (TBA | 0.0 | 50 | 39 | 42 | 78 | 83 | 7 | 20 | 66-132 |
| Methyl t-butyl ether | 0.0 | 10 | 7 | 6 | 70 | 65# | 8 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 10 | 7 | 6 | 68# | 61# | 10 | 20 | 70-130 |
| Diisopropyl ether (D | 0.0 | 10 | 6 | 5 | 58# | 54# | 8 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 10 | 7 | 6 | 66# | 60# | 10 | 20 | 70-130 |
| Ethyl t-butyl ether | 0.0 | 10 | 6 | 6 | 61# | 57# | 8 | 20 | 70-130 |
| 2,2-Dichloropropane | 0.0 | 10 | 7 | 7 | 70 | 65 | 7 | 20 | 64-148 |
| cis-1,2-Dichloroethe | 0.0 | 10 | 7 | 6 | 66# | 64# | 4 | 20 | 70-130 |
| Chloroform | 0.0 | 10 | 6 | 6 | 58# | 57# | 2 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.1 | 50 | 31 | 31 | 61 | 61 | 0 | 20 | 47-112 |
| t-Amyl methyl ether | 0.0 | 10 | 6 | 5 | 62# | 53# | 16 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 10 | 7 | 6 | 68# | 62# | 9 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 10 | 7 | 7 | 71 | 66# | 8 | 20 | 70-130 |
| 1,1-Dichloropropene | 0.0 | 10 | 6 | 6 | 65# | 61# | 6 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 10 | 8 | 8 | 81 | 76 | 6 | 20 | 70-130 |
| Benzene | 0.0 | 10 | 7 | 6 | 65# | 59# | 10 | 20 | 70-130 |
| Trichloroethene | 0.2 | 10 | 7 | 6 | 65# | 60# | 9 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 10 | 6 | 6 | 65# | 57# | 13 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 10 | 6 | 6 | 63# | 63# | 1 | 20 | 70-130 |
| Dibromomethane | 0.0 | 10 | 7 | 6 | 71 | 63# | 12 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 50 | 34 | 38 | 67# | 76 | 13 | 20 | 68-130 |
| cis-1,3-Dichloroprop | 0.0 | 10 | 6 | 6 | 60# | 55# | 8 | 20 | 69-131 |
| Toluene | 0.0 | 10 | 7 | 6 | 68# | 62# | 8 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 10 | 6 | 6 | 64# | 60# | 6 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 10 | 7 | 7 | 70 | 65# | 7 | 20 | 70-130 |

| | | | | | | | | | |
|-----------------------|------|----|----|----|-----|-----|------|----|--------|
| 2-Hexanone | 0.0 | 50 | 30 | 32 | 61 | 64 | 5 | 20 | 45-138 |
| 1,3-Dichloropropane | 0.0 | 10 | 7 | 6 | 70 | 62# | 12 | 20 | 70-130 |
| Tetrachloroethene | 16.5 | 10 | 19 | 17 | 21# | 7# | 106# | 20 | 70- |
| 130 | | | | | | | | | |
| Dibromochloromethane | 0.0 | 10 | 6 | 6 | 61 | 61 | 1 | 20 | 60-148 |
| 1,2-Dibromoethane (E) | 0.0 | 10 | 7 | 7 | 71 | 66# | 6 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 10 | 7 | 6 | 67# | 63# | 7 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 10 | 7 | 6 | 66# | 61# | 7 | 20 | 70-130 |
| 1,1,1,2-Tetrachloroe | 0.0 | 10 | 7 | 6 | 66# | 60# | 10 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 20 | 13 | 12 | 65# | 61# | 6 | 20 | 70-130 |
| o-Xylene | 0.0 | 10 | 6 | 6 | 63# | 59# | 7 | 20 | 70-130 |
| Styrene | 0.0 | 10 | 6 | 6 | 58# | 56# | 4 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 10 | 6 | 6 | 61# | 55# | 9 | 20 | 70-130 |
| Bromoform | 0.0 | 10 | 6 | 6 | 58# | 57# | 0 | 20 | 69-138 |
| n-Propylbenzene | 0.0 | 10 | 7 | 6 | 66# | 60# | 10 | 20 | 70-130 |
| Bromobenzene | 0.0 | 10 | 7 | 6 | 65# | 58# | 11 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 10 | 6 | 6 | 63# | 56# | 11 | 20 | 70-130 |
| 1,1,2,2-Tetrachloroe | 0.0 | 10 | 7 | 7 | 74 | 72 | 3 | 20 | 70-130 |
| 1,2,3-Trichloropropa | 0.0 | 10 | 7 | 7 | 74 | 71 | 3 | 20 | 70-130 |
| 2-Chlorotoluene | 0.0 | 10 | 7 | 6 | 70# | 58# | 19 | 20 | 70-130 |
| 4-Chlorotoluene | 0.0 | 10 | 6 | 6 | 64# | 58# | 10 | 20 | 70-130 |
| tert-Butylbenzene | 0.0 | 10 | 6 | 6 | 63# | 58# | 7 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 10 | 6 | 6 | 61# | 58# | 5 | 20 | 70-130 |
| sec-Butylbenzene | 0.0 | 10 | 6 | 6 | 62# | 58# | 7 | 20 | 70-130 |
| p-Isopropyltoluene | 0.0 | 10 | 6 | 6 | 62# | 56# | 10 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 10 | 6 | 6 | 64# | 61# | 5 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 10 | 6 | 6 | 62# | 59# | 5 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 10 | 6 | 6 | 62# | 60# | 3 | 20 | 70-130 |
| 1,2-Dibromo-3-chloro | 0.1 | 10 | 8 | 7 | 75 | 72 | 4 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.0 | 10 | 5 | 5 | 52# | 49# | 6 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 10 | 5 | 5 | 50# | 49# | 2 | 20 | 70-130 |
| Naphthalene | 0.0 | 10 | 6 | 6 | 61# | 57# | 7 | 20 | 70-130 |
| 1,2,3-Trichlorobenze | 0.0 | 10 | 5 | 5 | 55# | 51# | 8 | 20 | 70-130 |

- Fails Limit Check

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061404.D
 Acq On : 14 Jun 2023 07:35 am
 Operator : LM
 Sample : 03-1112 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:25 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QI on | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 94724 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68658 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 36877 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 27584 | 10.271 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 102.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 6099 | 10.485 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 104.80% | |
| 35) Toluene-d8 | 5.97 | 98 | 93809 | 10.134 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 101.30% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 35420 | 10.325 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 103.20% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 1.87 | 45 | 205 | No Calib | | Qvalue |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 78077 | 9.359 | ppb | 98 |
| 5) Chloromethane | 1.22 | 50 | 91190 | 8.803 | ppb | 92 |
| 6] Vinyl chloride | 1.29 | 62 | 87122 | 9.721 | ppb | 97 |
| 7) Bromomethane | 1.52 | 94 | 55882 | 8.598 | ppb | 98 |
| 8] Chloroethane | 1.59 | 64 | 52660 | 9.077 | ppb | 93 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 101447 | 9.696 | ppb | 93 |
| 10) 2-Propanol | 2.38 | 45 | 1325 | No Calib | | |
| 11) Acetone | 2.25 | 58 | 20234 | 36.893 | ppb | 89 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 42470 | 9.703 | ppb | 87 |
| 13) Hexane | 3.05 | 57 | 41697 | 9.169 | ppb | 98 |
| 14) Methylene chloride | 2.60 | 84 | 32835 | 11.164 | ppb | 95 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 18033 | 46.028 | ppb | 91 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 87098 | 10.124 | ppb | 99 |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 29644 | 9.719 | ppb | 91 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 92854 | 8.799 | ppb | 98 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 63557 | 10.008 | ppb | 96 |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 30222 | 9.432 | ppb | 91 |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 38148 | 10.325 | ppb | 100 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 33787 | 10.284 | ppb | 91 |
| 23) Chloroform | 3.94 | 83 | 52960 | 9.302 | ppb | 92 |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 73435 | 36.230 | ppb | 100 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 75256 | 9.201 | ppb | 100 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 51302 | 9.879 | ppb | 98 |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 50844 | 10.401 | ppb | 93 |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 40247 | 9.604 | ppb | 92 |
| 29) Carbon tetrachloride | 4.21 | 117 | 40853 | 12.911 | ppb | 93 |
| 31] Benzene | 4.39 | 78 | 122531 | 9.674 | ppb | 95 |
| 32] Trichloroethene | 4.93 | 95 | 32072 | 9.787 | ppb | 92 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 29947 | 9.885 | ppb | 99 |
| 34) Bromodichloromethane | 5.37 | 83 | 36037 | 9.455 | ppb | 98 |
| 36) Dibromomethane | 5.22 | 93 | 18485 | 10.111 | ppb | 90 |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061404.D
 Acq On : 14 Jun 2023 07:35 am
 Operator : LM
 Sample : 03-1112 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:25 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.90 | 85 | 22316 | 44.132 | ppb | 87 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 41767 | 9.520 | ppb | 96 |
| 40] Toluene | 6.03 | 92 | 69289 | 10.004 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 37797 | 9.544 | ppb | 94 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 23595 | 10.239 | ppb | 93 |
| 43) 2-Hexanone | 6.64 | 43 | 117764 | 39.287 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 39622 | 10.330 | ppb | 99 |
| 45] Tetrachloroethene | 6.51 | 164 | 23362 | 9.996 | ppb | 98 |
| 46) Dibromochloromethane | 6.75 | 129 | 23509 | 9.360 | ppb | 97 |
| 47] 1,2-Dibromoethane (EDB) | 6.84 | 107 | 27564 | 10.161 | ppb | 94 |
| 48) Chlorobenzene | 7.30 | 112 | 65789 | 10.075 | ppb | 87 |
| 49] Ethylbenzene | 7.39 | 91 | 134857 | 10.010 | ppb | 93 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 24402 | 10.270 | ppb | 94 |
| 51] m,p-Xylene | 7.51 | 106 | 97793 | 19.767 | ppb | 93 |
| 52] o-Xylene | 7.88 | 106 | 49000 | 9.721 | ppb | 85 |
| 53) Styrene | 7.89 | 104 | 68042 | 9.347 | ppb | 95 |
| 54) Isopropylbenzene | 8.23 | 105 | 108916 | 9.756 | ppb | 93 |
| 55) Bromoform | 8.06 | 173 | 14449 | 8.661 | ppb | 91 |
| 58) n-Propylbenzene | 8.61 | 91 | 139438 | 10.088 | ppb | 97 |
| 59) Bromobenzene | 8.50 | 156 | 27825 | 9.967 | ppb | 89 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 96408 | 9.966 | ppb | 91 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 35970 | 10.287 | ppb | 94 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 31329 | 9.863 | ppb | 93 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 81381 | 9.981 | ppb | 93 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 95194 | 9.645 | ppb | 92 |
| 65) tert-Butylbenzene | 9.10 | 119 | 77729 | 9.705 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 93835 | 9.320 | ppb | 89 |
| 67) sec-Butylbenzene | 9.31 | 105 | 121483 | 9.773 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 99590 | 9.689 | ppb | 97 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 53078 | 10.044 | ppb | 95 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 53544 | 9.855 | ppb | 94 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 51776 | 9.820 | ppb | 96 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 6637 | 8.880 | ppb | 95 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 31936 | 8.839 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 13557 | 7.749 | ppb | 99 |
| 75) Naphthalene | 11.68 | 128 | 80175 | 8.889 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 27548 | 8.275 | ppb | 96 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061405.D
 Acq On : 14 Jun 2023 07:57 am
 Operator : LM
 Sample : 03-1112 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:29 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 93565 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65843 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 34503 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 25588 | 9.646 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 96.50% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5352 | 9.315 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 93.10% | | |
| 35) Toluene-d8 | 5.97 | 98 | 88248 | 9.652 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 96.50% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32330 | 10.072 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 100.70% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 1.85 | 45 | 243 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 81747 | 9.920 | ppb | 94 | |
| 5) Chloromethane | 1.21 | 50 | 91937 | 8.985 | ppb | 91 | |
| 6] Vinyl chloride | 1.29 | 62 | 86359 | 9.755 | ppb | 100 | |
| 7) Bromomethane | 1.52 | 94 | 53043 | 8.262 | ppb | 100 | |
| 8] Chloroethane | 1.59 | 64 | 50754 | 8.857 | ppb | 95 | |
| 9) Trichlorofluoromethane | 1.77 | 101 | 95238 | 9.215 | ppb | 97 | |
| 10) 2-Propanol | 2.38 | 45 | 1444 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 18206 | 33.606 | ppb | 97 | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 41149 | 9.518 | ppb | 89 | |
| 13) Hexane | 3.05 | 57 | 39367 | 8.764 | ppb | 96 | |
| 14) Methylene chloride | 2.60 | 84 | 31397 | 10.808 | ppb | 87 | |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 16006 | 41.360 | ppb | 89 | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 84556 | 9.951 | ppb | 100 | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 29012 | 9.629 | ppb | 94 | |
| 18) Diisopropyl ether (DIPE) | 3.23 | 45 | 92777 | 8.900 | ppb | 97 | |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 62029 | 9.888 | ppb | 97 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 30411 | 9.608 | ppb | 99 | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 38479 | 10.543 | ppb | 100 | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 31728 | 9.777 | ppb | 92 | |
| 23) Chloroform | 3.94 | 83 | 51796 | 9.210 | ppb | 93 | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 68988 | 34.458 | ppb | 92 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 72754 | 9.006 | ppb | 98 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 49861 | 9.720 | ppb | 98 | |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 49441 | 10.239 | ppb | 93 | |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 37748 | 9.119 | ppb | 92 | |
| 29) Carbon tetrachloride | 4.21 | 117 | 36430 | 11.655 | ppb | 85 | |
| 31] Benzene | 4.38 | 78 | 118361 | 9.460 | ppb | 95 | |
| 32] Trichloroethene | 4.93 | 95 | 30995 | 9.575 | ppb | 91 | |
| 33) 1,2-Dichloropropane | 5.12 | 63 | 27370 | 9.146 | ppb | 97 | |
| 34) Bromodichloromethane | 5.37 | 83 | 35512 | 9.433 | ppb | 92 | |
| 36) Dibromomethane | 5.22 | 93 | 17473 | 9.676 | ppb # | 81 | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061405.D
 Acq On : 14 Jun 2023 07:57 am
 Operator : LM
 Sample : 03-1112 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:29 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

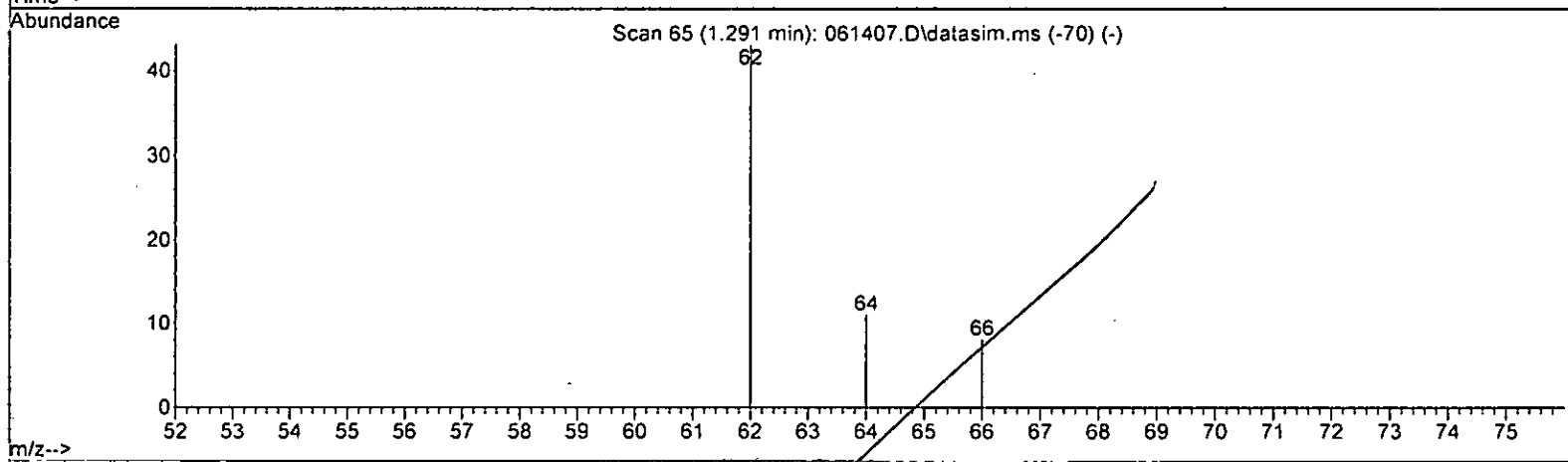
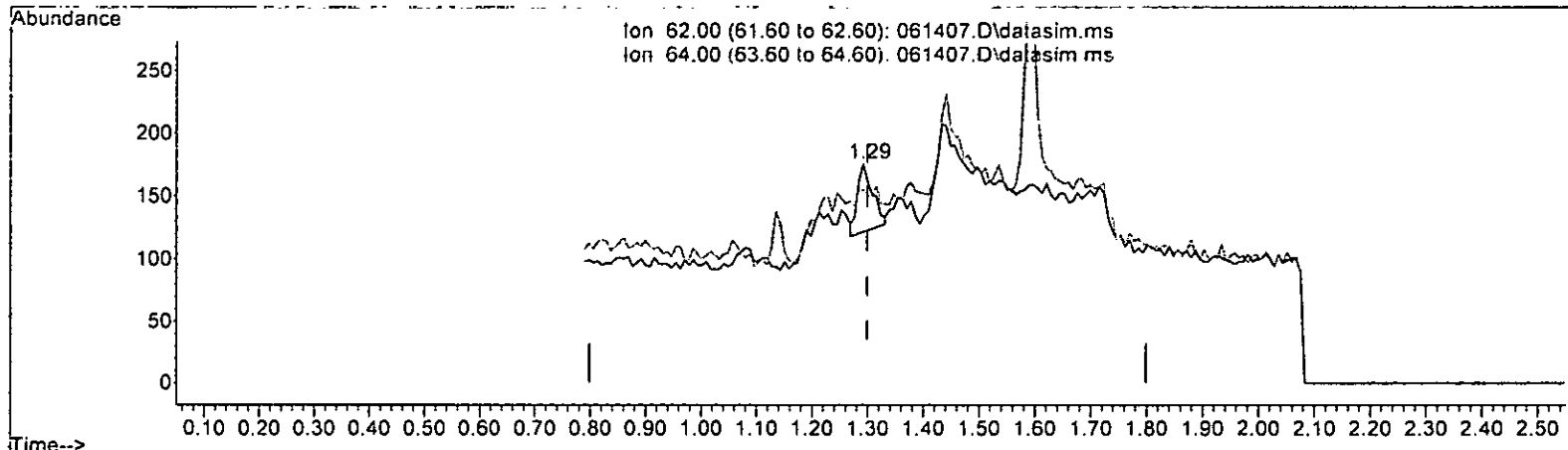
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 21778 | 43.602 | ppb | 90 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 39251 | 9.057 | ppb | 89 |
| 40] Toluene | 6.03 | 92 | 66162 | 9.961 | ppb | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 36713 | 9.667 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 22323 | 10.101 | ppb | 93 |
| 43) 2-Hexanone | 6.64 | 43 | 105095 | 36.560 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 38773 | 10.541 | ppb | 96 |
| 45] Tetrachloroethene | 6.51 | 164 | 22340 | 9.967 | ppb | 98 |
| 46) Dibromochloromethane | 6.75 | 129 | 23598 | 9.797 | ppb | 89 |
| 47] 1,2-Dibromoethane (EDB) | 6.84 | 107 | 25912 | 9.960 | ppb | 93 |
| 48) Chlorobenzene | 7.30 | 112 | 60096 | 9.597 | ppb | 81 |
| 49] Ethylbenzene | 7.39 | 91 | 127768 | 9.890 | ppb | 93 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 22564 | 9.902 | ppb | 94 |
| 51] m,p-Xylene | 7.51 | 106 | 92877 | 19.576 | ppb | 92 |
| 52] o-Xylene | 7.87 | 106 | 47061 | 9.735 | ppb | 84 |
| 53) Styrene | 7.90 | 104 | 63096 | 9.039 | ppb | 93 |
| 54) Isopropylbenzene | 8.23 | 105 | 103703 | 9.686 | ppb | 92 |
| 55) Bromoform | 8.07 | 173 | 12847 | 8.030 | ppb | 88 |
| 58) n-Propylbenzene | 8.61 | 91 | 136313 | 10.541 | ppb | 99 |
| 59) Bromobenzene | 8.50 | 156 | 25223 | 9.657 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 89187 | 9.854 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 33659 | 10.288 | ppb | 98 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 29486 | 9.922 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 81653 | 10.703 | ppb | 96 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 91077 | 9.863 | ppb | 94 |
| 65) tert-Butylbenzene | 9.10 | 119 | 74680 | 9.966 | ppb | 92 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 94994 | 10.084 | ppb | 96 |
| 67) sec-Butylbenzene | 9.31 | 105 | 115493 | 9.930 | ppb | 95 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 91656 | 9.531 | ppb | 93 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 51479 | 10.412 | ppb | 97 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 51034 | 10.039 | ppb | 97 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 50292 | 10.195 | ppb | 93 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 6593 | 9.428 | ppb | 73 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 30214 | 8.938 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.61 | 225 | 13340 | 8.149 | ppb | 91 |
| 75) Naphthalene | 11.68 | 128 | 76582 | 9.074 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 28177 | 9.046 | ppb | 91 |

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

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061407.D\data.ms

(6) Vinyl chloride (TMP) *m 6/14*

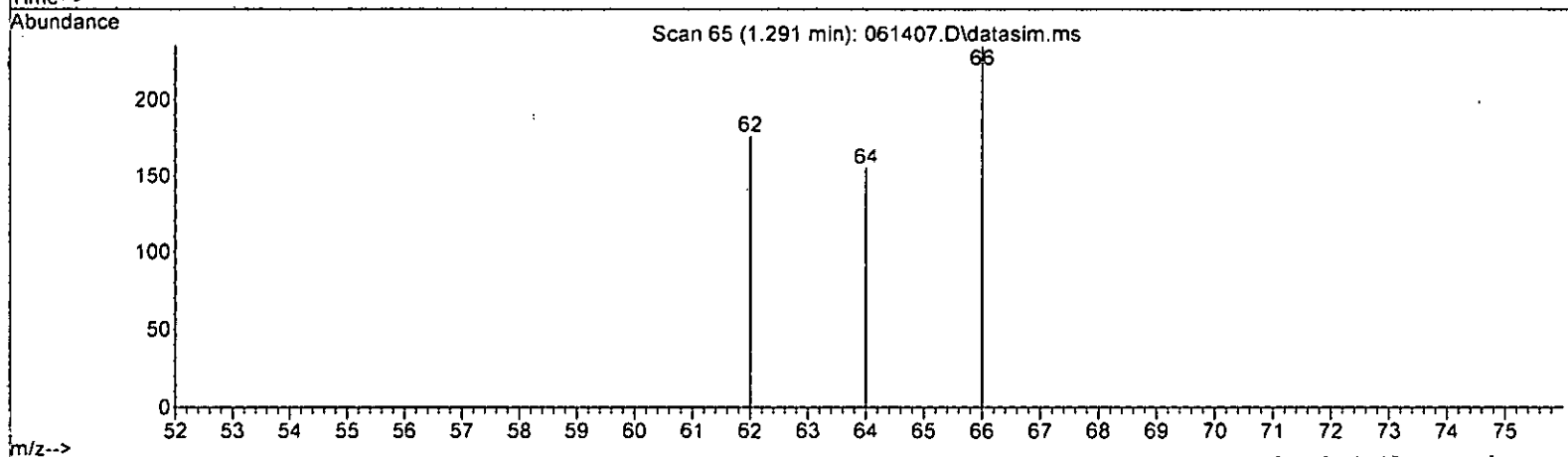
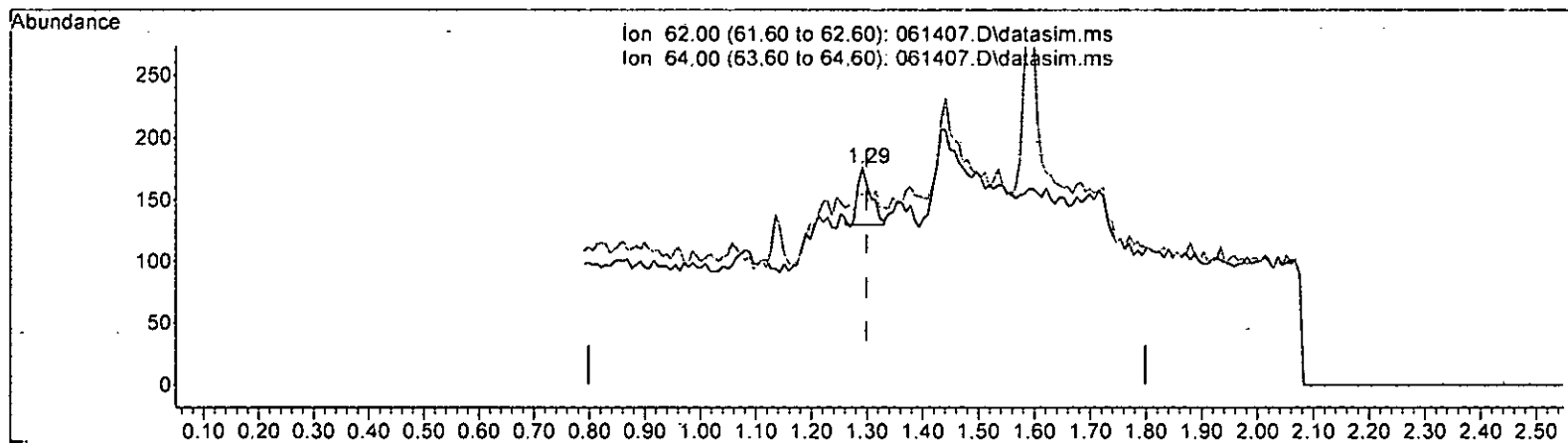
1.291min (-0.008) 0.011 ppb

| response | 102 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 22.92 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061407.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.008) 0.008 ppb m

response 75

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.80 | 88.07# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

m 6/14

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

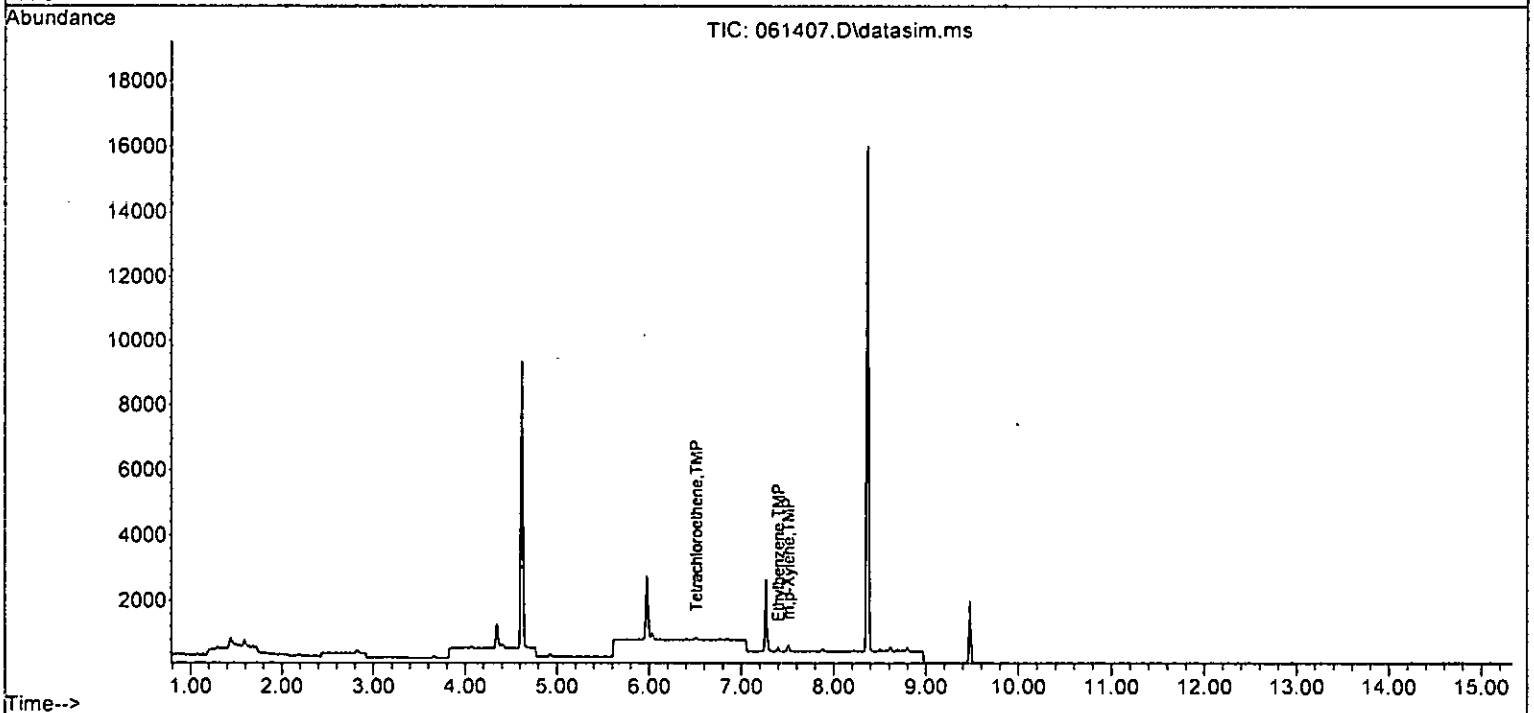
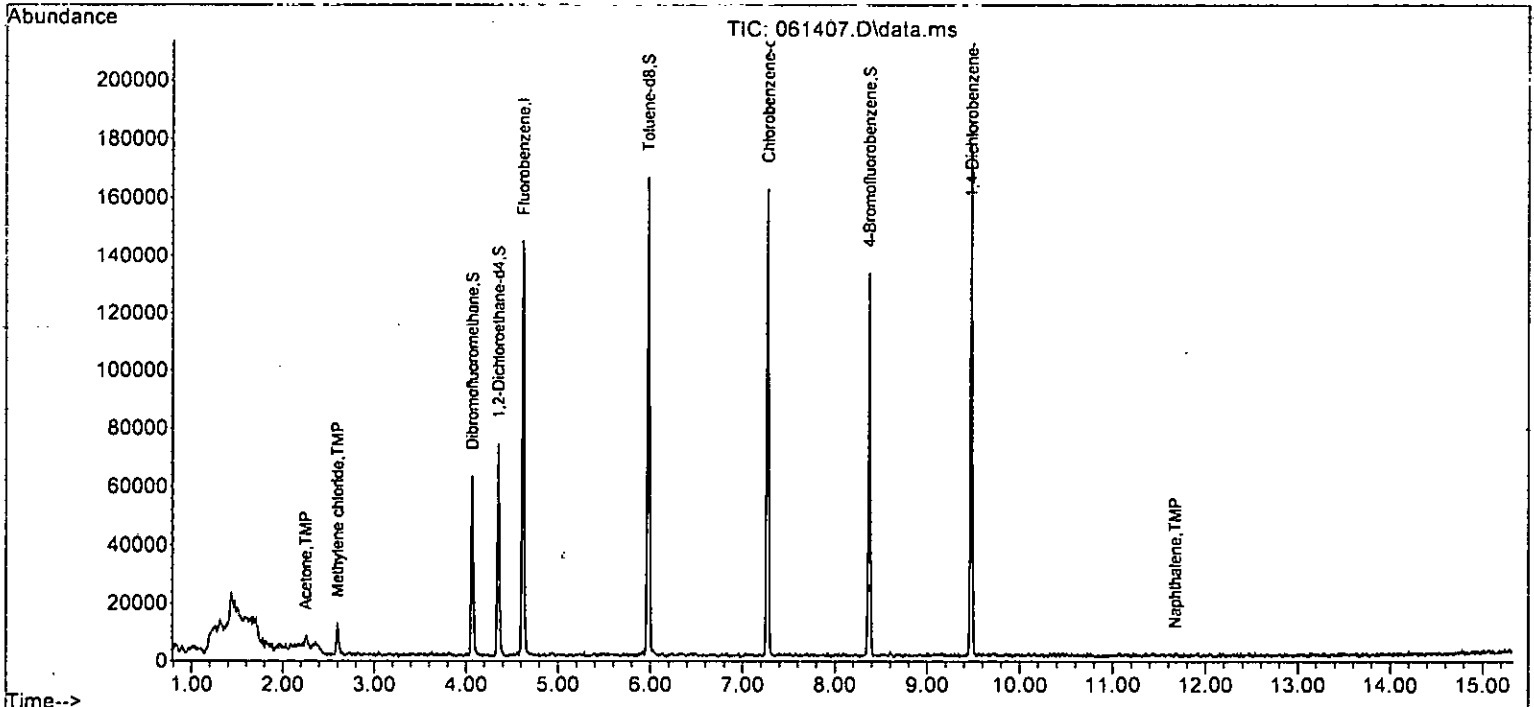
Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

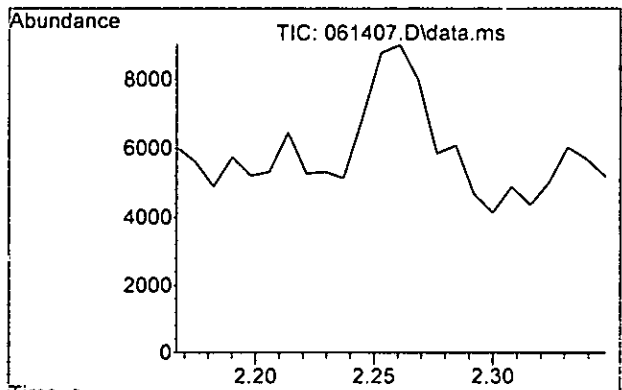
| Compound | R.T. | QI | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 94790 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68429 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 34511 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26411 | 9.827 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.30% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5961 | 10.241 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 102.40% |
| 35) Toluene-d8 | 5.97 | 98 | 90596 | 9.780 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 97.80% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 35089 | 10.929 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 109.30% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Acetone | 2.25 | 58 | 1512 | 2.755 | ppb | # 75 |
| 14) Methylene chloride | 2.60 | 84 | 3691 | 1.254 | ppb | 84 |
| 45] Tetrachloroethene | 6.51 | 164 | 53 | 0.012 | ppb | # 77 |
| 49] Ethylbenzene | 7.40 | 91 | 135 | 0.010 | ppb | 99 |
| 51] m,p-Xylene | 7.51 | 106 | 88 | 0.018 | ppb | 99 |
| 75) Naphthalene | 11.67 | 128 | 496 | 0.059 | ppb | 68 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

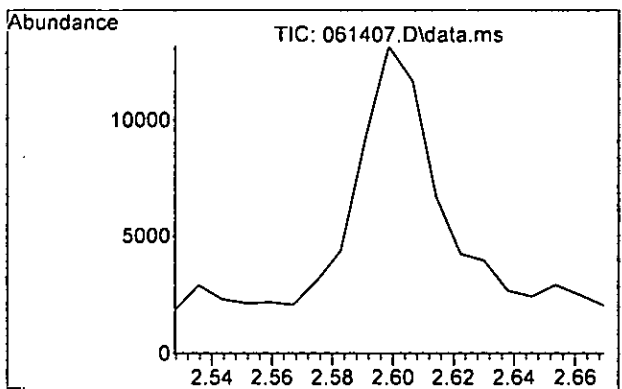
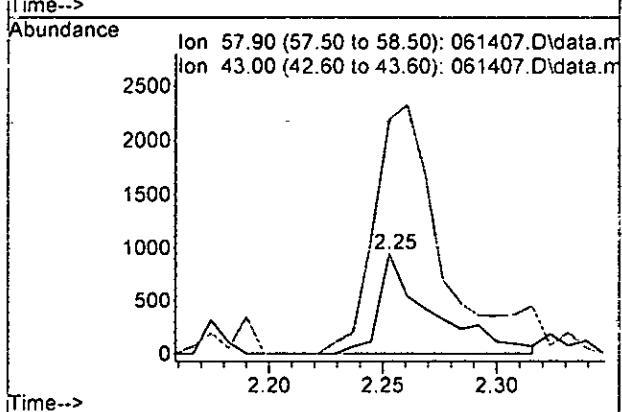
Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





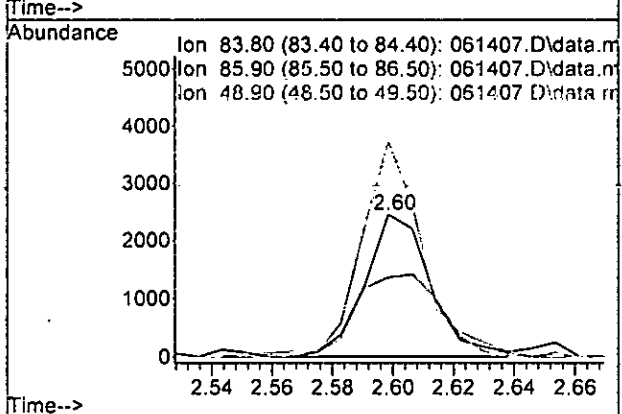
#11
 Acetone
 Concen: 2.755 ppb
 RT: 2.25 min Scan# 185
 Delta R.T. -0.008 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

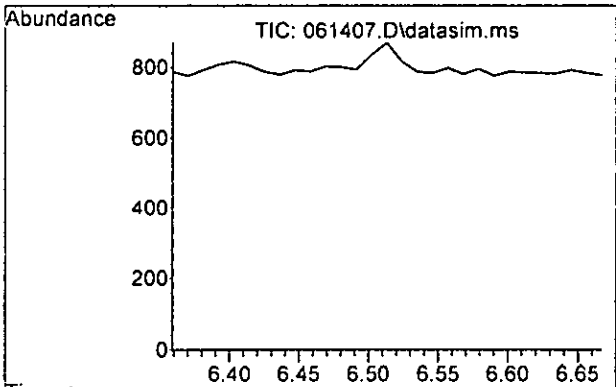
Tgt Ion: 58 Resp: 1512
 Ion Ratio Lower Upper
 58 100
 43 332.6 360.4 420.4#



#14
 Methylene chloride
 Concen: 1.254 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

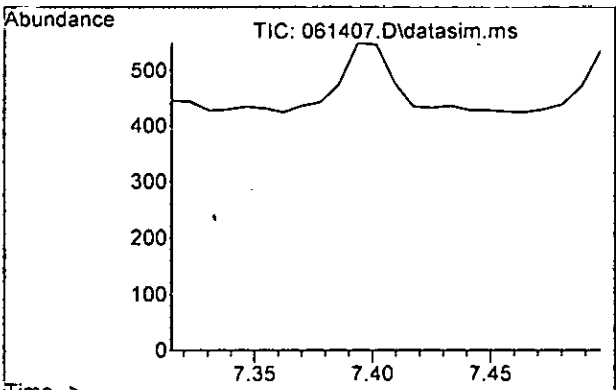
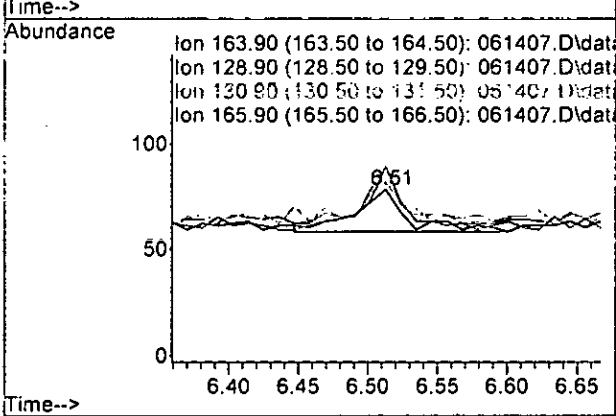
Tgt Ion: 84 Resp: 3691
 Ion Ratio Lower Upper
 84 100
 86 55.6 41.4 101.4
 49 148.1 137.3 197.3





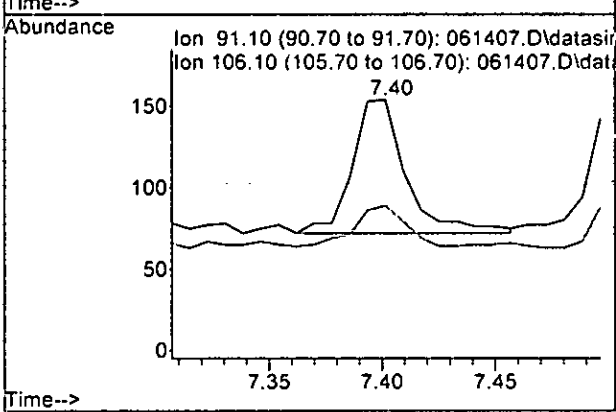
#45
 Tetrachloroethene
 Concen: 0.012 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

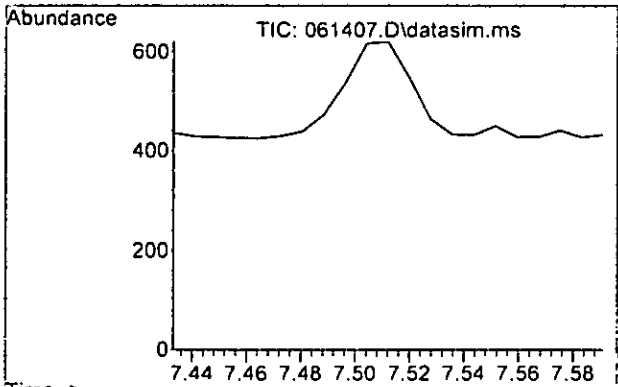
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|--------|
| 164 | 100 | | |
| 129 | 135.0 | 64.7 | 124.7# |
| 131 | 85.0 | 63.9 | 123.9 |
| 166 | 150.0 | 98.3 | 158.3 |



#49
 Ethylbenzene
 Concen: 0.010 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

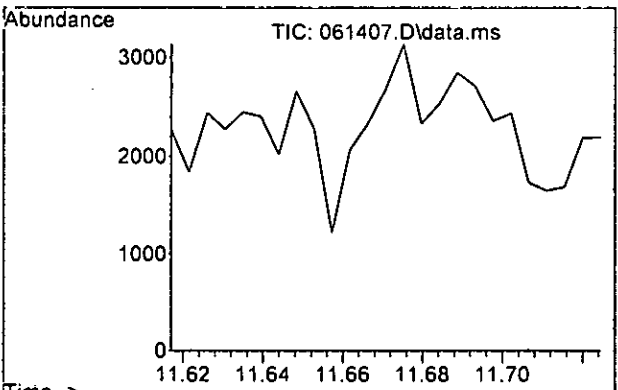
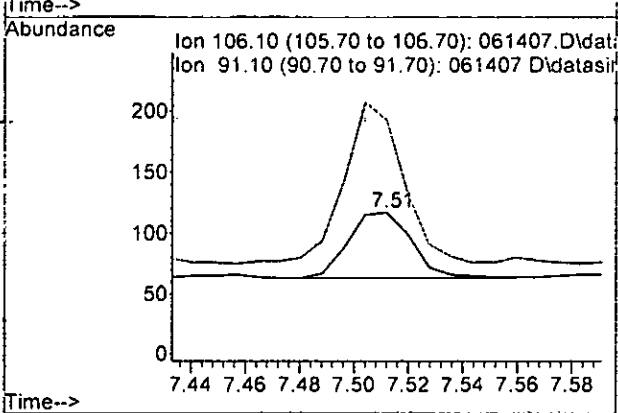
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91 | 100 | | |
| 106 | 30.5 | 1.1 | 61.1 |





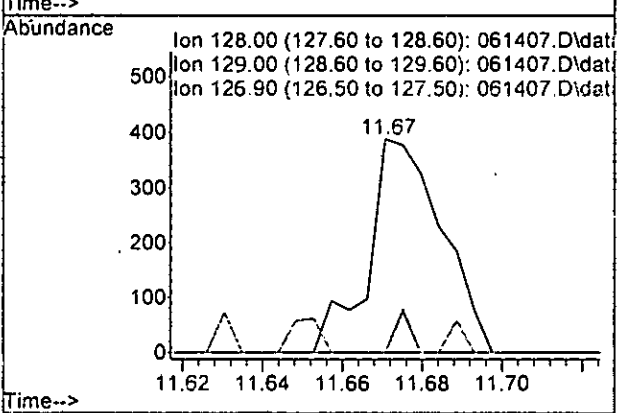
#51
 m,p-Xylene
 Concen: 0.018 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

Tgt Ion:106 Resp: 88
 Ion Ratio Lower Upper
 106 100
 91 209.3 177.1 237.1



#75
 Naphthalene
 Concen: 0.059 ppb
 RT: 11.67 min Scan# 1561
 Delta R.T. -0.004 min
 Lab File: 061407.D
 Acq: 14 Jun 2023 08:42 am

Tgt Ion:128 Resp: 496
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 42.2
 127 0.0 0.0 42.6



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | | | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--|--|--|
| ----- | | | | | | | | | |
| Internal Standards | | | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 94790 | 10.000 | ppb | 0.00 | | | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68429 | 10.000 | ppb | 0.00 | | | |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 34511 | 10.000 | ppb | 0.00 | | | |
| System Monitoring Compounds | | | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26411 | 9.827 | ppb | 0.00 | | | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.30% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5961 | 10.241 | ppb | 0.00 | | | |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 102.40% | | | |
| 35) Toluene-d8 | 5.97 | 98 | 90596 | 9.780 | ppb | -0.01 | | | |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 97.80% | | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 35089 | 10.929 | ppb | 0.00 | | | |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 109.30% | | | |
| Target Compounds | | | | | | | | | |
| 2) Ethanol | 1.87 | 45 | 107 | No Calib | # | | | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 101 | N.D. | | | | | |
| 5) Chloromethane | 1.21 | 50 | 658 | N.D. | | | | | |
| 6) Vinyl chloride | 1.29 | 62 | 75 | N.D. | | | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | | | |
| 8) Chloroethane | 1.59 | 64 | 289 | N.D. | | | | | |
| 9) Trichlorofluoromethane | 1.79 | 101 | 81 | N.D. | | | | | |
| 10) 2-Propanol | 2.37 | 45 | 1298 | No Calib | | | | | |
| 11) Acetone | 2.25 | 58 | 1512 | 2.755 | ppb # | 75 | | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | | | |
| 13) Hexane | 3.05 | 57 | 273 | N.D. | | | | | |
| 14) Methylene chloride | 2.60 | 84 | 3691 | 1.254 | ppb | 84 | | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | | | |
| 18) Diisopropyl ether (DIPE) | 3.23 | 45 | 77 | N.D. | | | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | | | |
| 21) 2,2-Dichloropropane | 3.64 | 77 | 132 | N.D. | | | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | | | |
| 24) 2-Butanone (MEK) | 3.68 | 43 | 100 | N.D. | | | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.41 | 62 | 149 | N.D. | | | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | | | |
| 31) Benzene | 4.38 | 78 | 102 | N.D. | | | | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. | | | | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | | | |
| 34) Bromodichloromethane | 5.44 | 83 | 110 | N.D. | | | | | |
| 36) Dibromomethane | 5.22 | 93 | 87 | N.D. | | | | | |

Data Path : Y:\Proc_GCM511\06-14-23\
 Data File : 061407.D
 Acq On : 14 Jun 2023 08:42 am
 Operator : LM
 Sample : 03-1112 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCM511

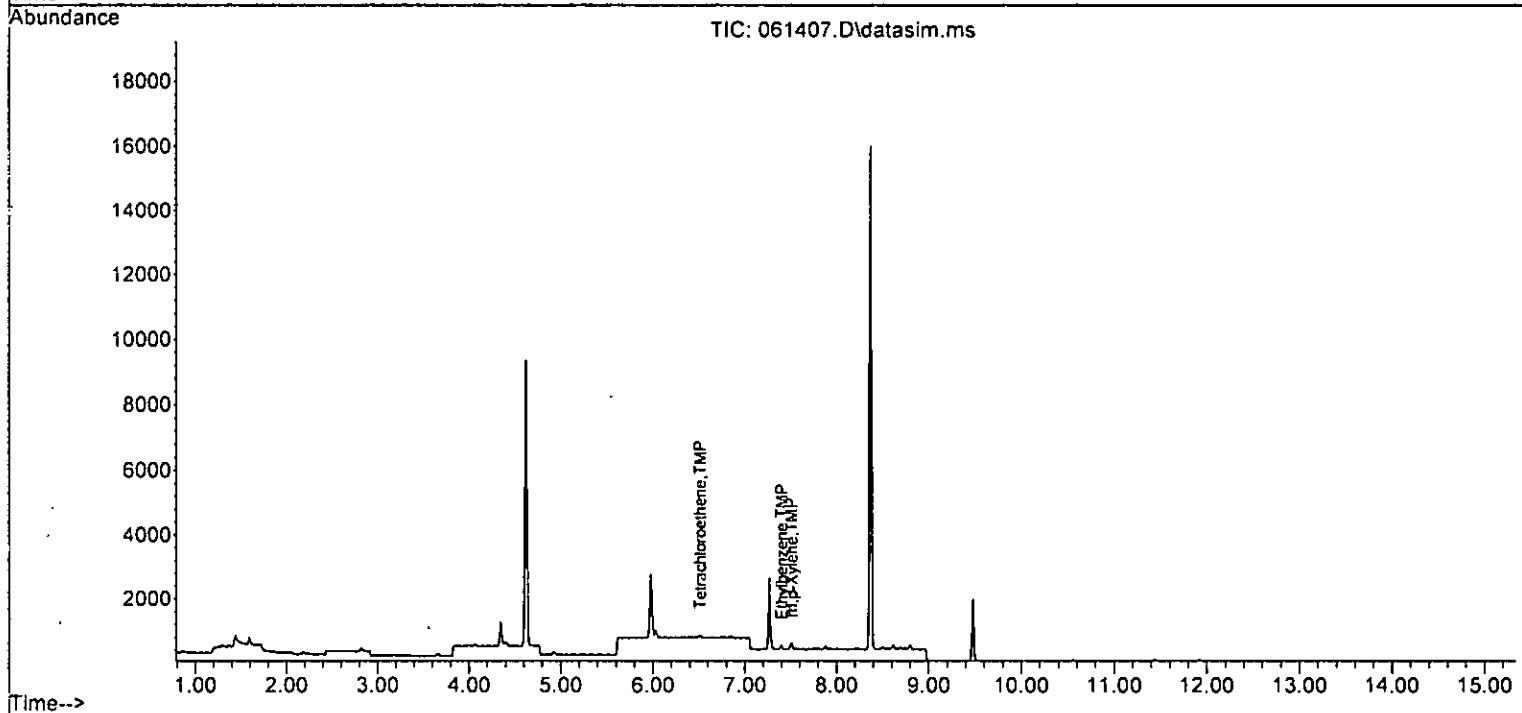
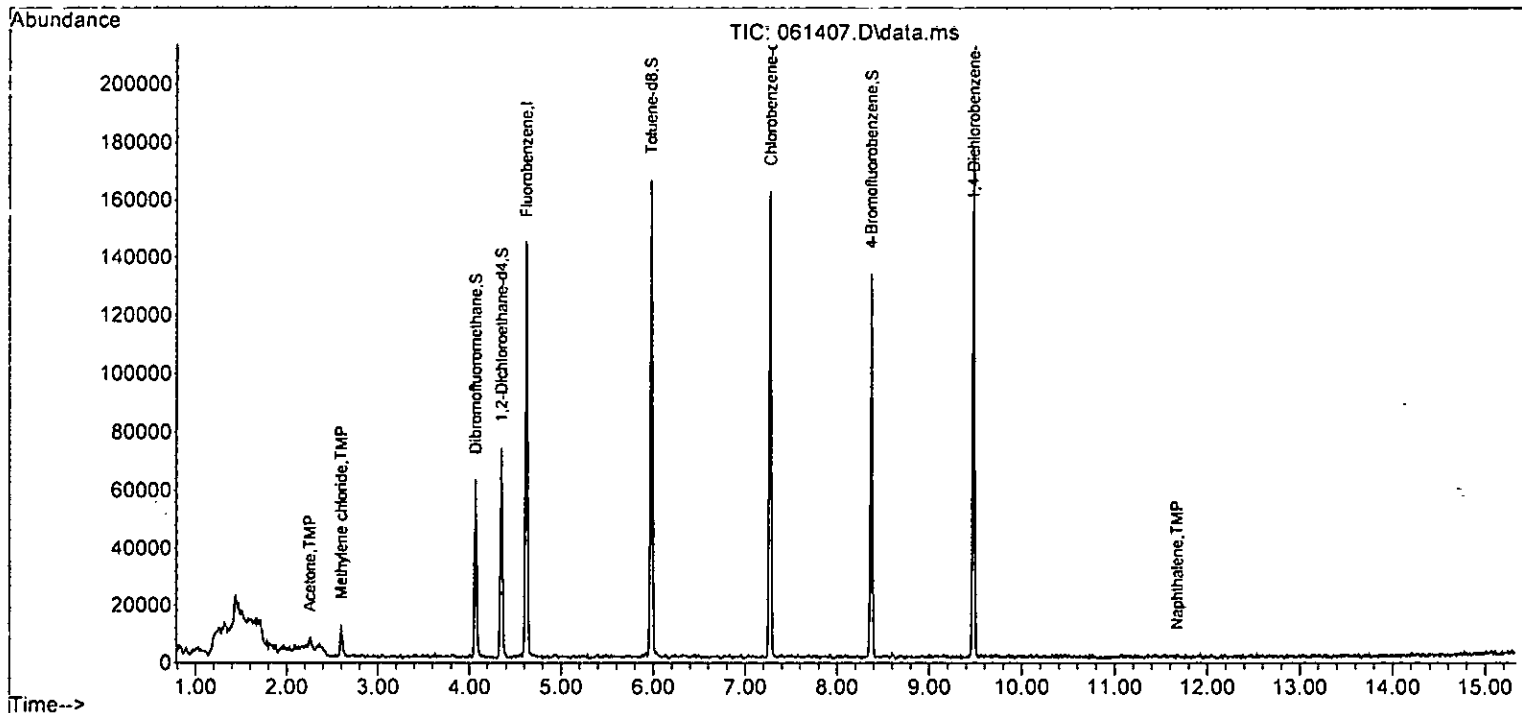
Quant Time: Jun 14 12:02:33 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 142 | N.D. | | |
| 40) Toluene | 6.03 | 92 | 98 | N.D. | | |
| 41) trans-1,3-Dichloropropene | 6.24 | 75 | 102 | N.D. | | |
| 42) 1,1,2-Trichloroethane | 6.40 | 83 | 64 | N.D. | | |
| 43) 2-Hexanone | 6.64 | 43 | 290 | N.D. | | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | N.D. | | |
| 45] Tetrachloroethene | 6.51 | 164 | 53 | 0.012 | ppb # | 77 |
| 46) Dibromochloromethane | 6.84 | 129 | 122 | N.D. | | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | | |
| 48) Chlorobenzene | 7.12 | 112 | 100 | N.D. | | |
| 49] Ethylbenzene | 7.40 | 91 | 135 | 0.010 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | | |
| 51] m,p-Xylene | 7.51 | 106 | 88 | 0.018 | ppb | 99 |
| 52) o-Xylene | 0.00 | | 0 | N.D. | | |
| 53) Styrene | 7.92 | 104 | 68 | N.D. | | |
| 54) Isopropylbenzene | 8.22 | 105 | 95 | N.D. | | |
| 55) Bromoform | 0.00 | | 0 | N.D. | | |
| 58) n-Propylbenzene | 8.62 | 91 | 184 | N.O. | | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | | |
| 60) 1,3,5-Trimethylbenzene | 8.87 | 105 | 70 | N.D. | | |
| 61) 1,1,2,2-Tetrachloroethane | 8.42 | 83 | 75 | N.D. | | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | | |
| 63) 2-Chlorotoluene | 8.70 | 91 | 302 | N.D. | | |
| 64) 4-Chlorotoluene | 8.79 | 91 | 191 | N.D. | | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | | |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 156 | N.D. | | |
| 67) sec-Butylbenzene | 9.15 | 105 | 156 | N.D. | | |
| 68) p-Isopropyltoluene | 9.47 | 119 | 163 | N.D. | | |
| 69) 1,3-Dichlorobenzene | 9.47 | 146 | 52 | N.D. | | |
| 70) 1,4-Dichlorobenzene | 9.49 | 146 | 92 | N.D. | | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | | |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 206 | N.D. | | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |
| 75) Naphthalene | 11.67 | 128 | 496 | 0.059 | ppb | 68 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
Data File : 061407.D
Acq On : 14 Jun 2023 08:42 am
Operator : LM
Sample : 03-1112 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Jun 14 12:02:33 2023
Quant Method : Y:\Methods\Inst11\050923vms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed May 10 11:06:40 2023
Response via : Initial Calibration
DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

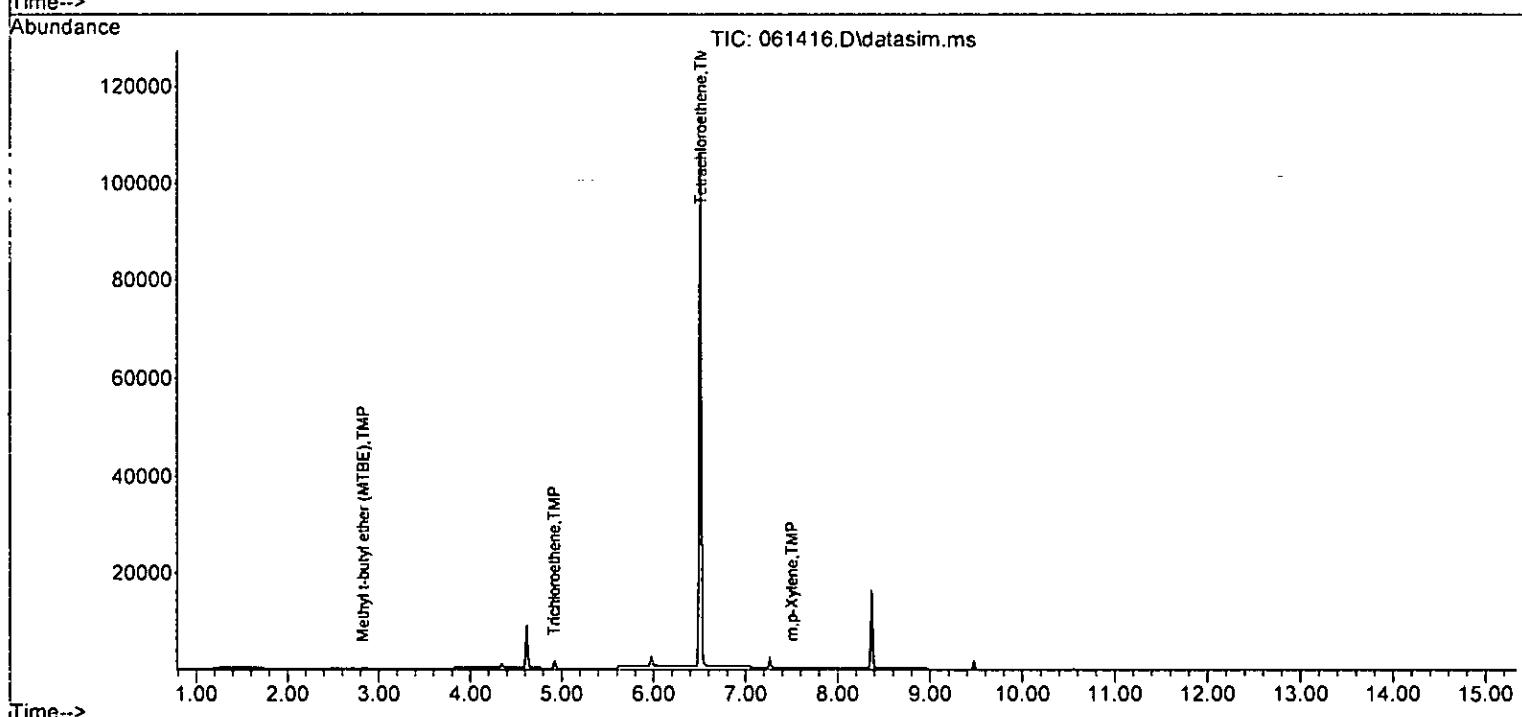
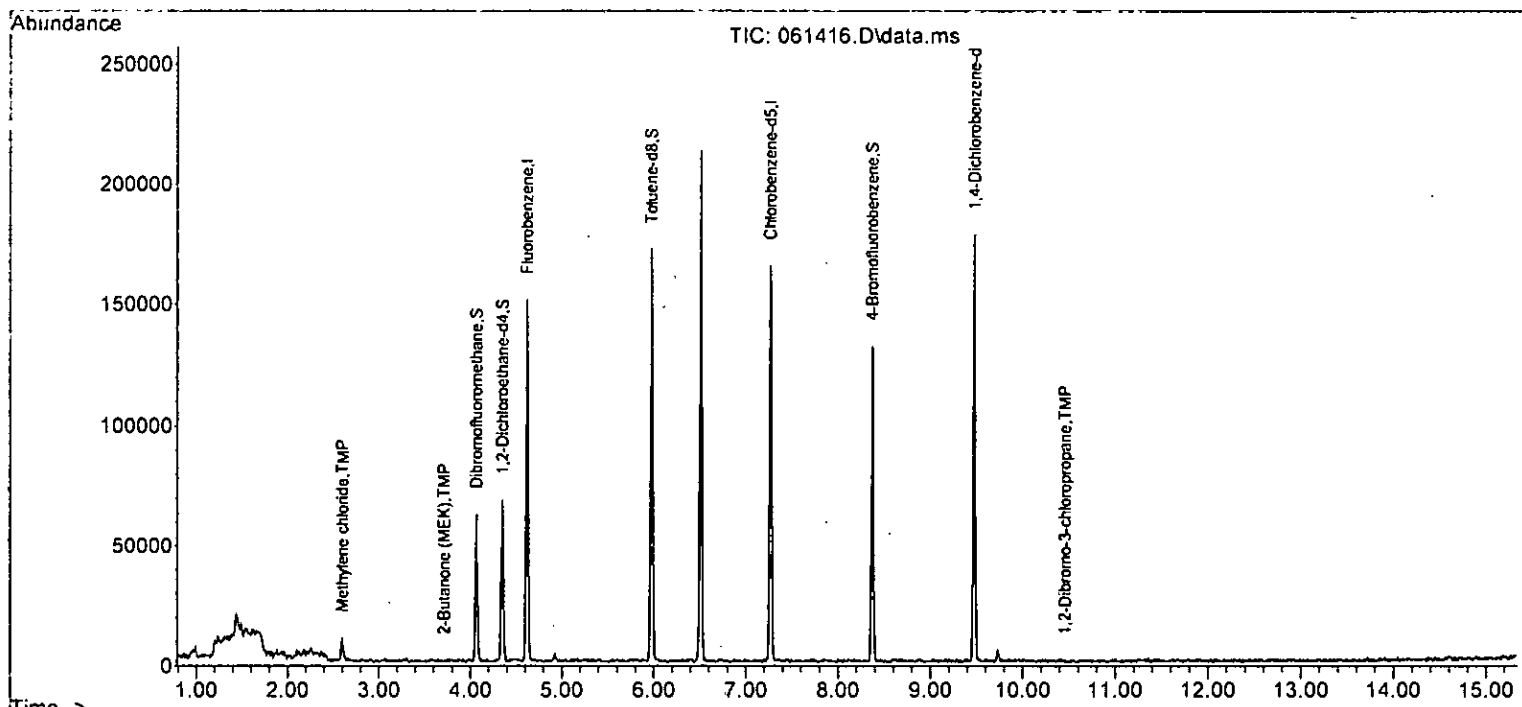
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

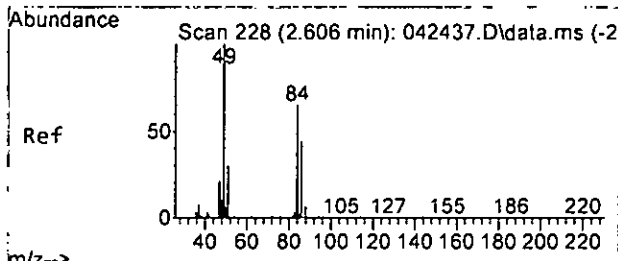
| Compound | R:T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91199 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68305 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33599 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26098 | 10.093 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 100.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 6264 | 11.185 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = 111.80% | | |
| 35) Toluene-d8 | 5.97 | 98 | 87186 | 9.783 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = 97.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33600 | 10.750 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = 107.50% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 14) Methylene chloride | 2.60 | 84 | 2996 | 1.058 | ppb | # 82 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 86 | 0.010 | ppb | 77 |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 260 | 0.133 | ppb | 62 |
| 32] Trichloroethene | 4.92 | 95 | 719 | 0.228 | ppb | 86 |
| 40] Toluene | 6.03 | 92 | 73 | Below Cal | | # 68 |
| 45] Tetrachloroethene | 6.51 | 164 | 38271 | 16.467 | ppb | 98 |
| 51] m,p-Xylene | 7.50 | 106 | 53 | 0.011 | ppb | 90 |
| 72) 1,2-Dibromo-3-chloropr... | 10.46 | 75 | 78 | 0.115 | ppb | # 6 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

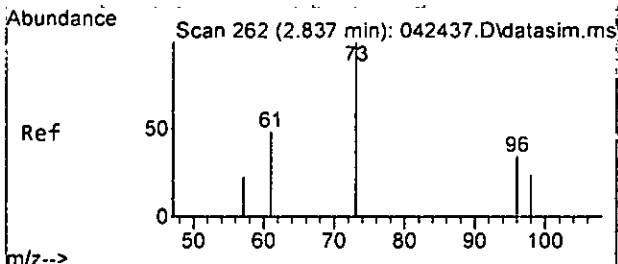
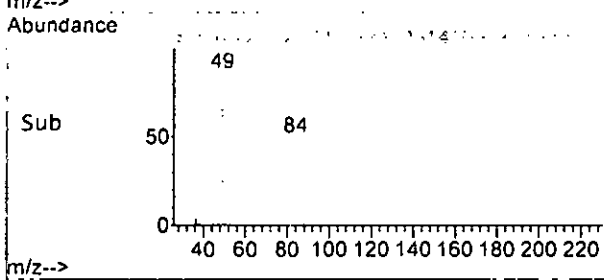
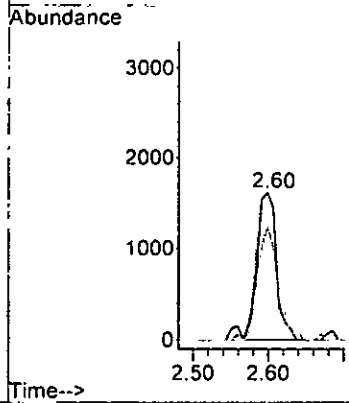
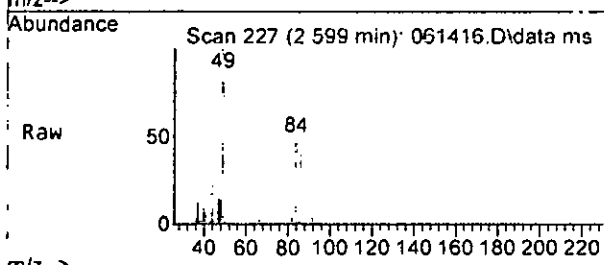
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





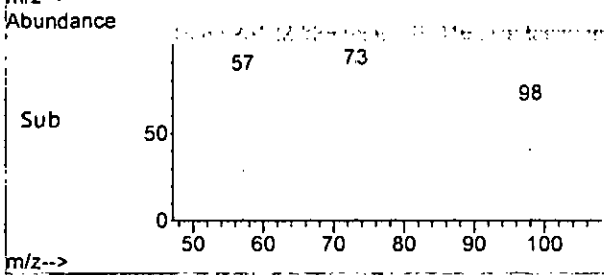
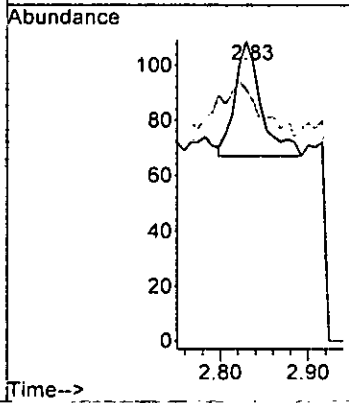
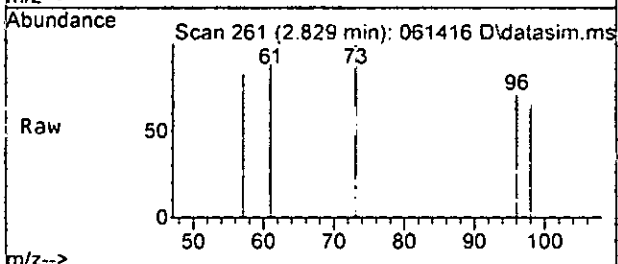
#14
 Methylene chloride
 Concen: 1.058 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

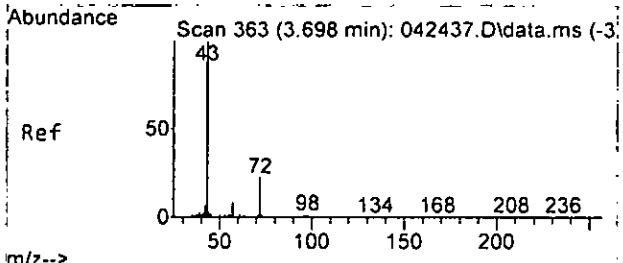
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 100 | | |
| 86 | 76.8 | 41.4 | 101.4 |
| 49 | 198.1 | 137.3 | 197.3# |



#16
 Methyl t-butyl ether (MTBE)
 Concen: 0.010 ppb
 RT: 2.83 min Scan# 261
 Delta R.T. -0.008 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

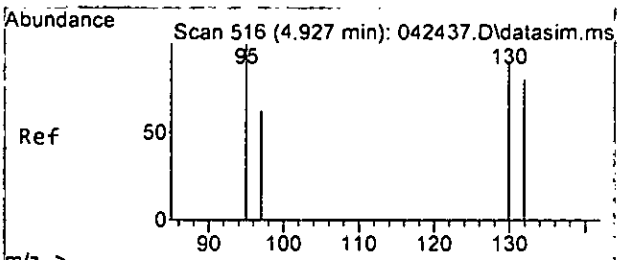
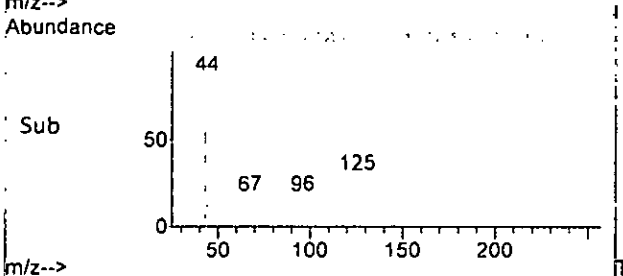
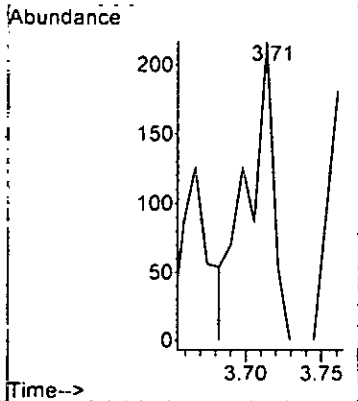
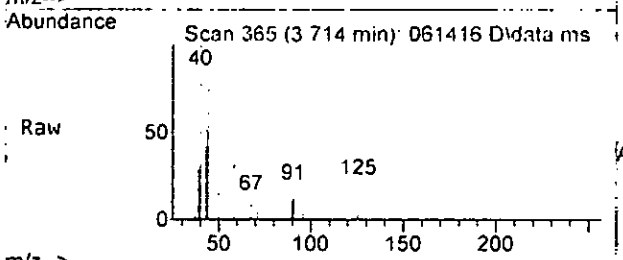
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 33.3 | 0.0 | 52.3 |
| 96 | | | |





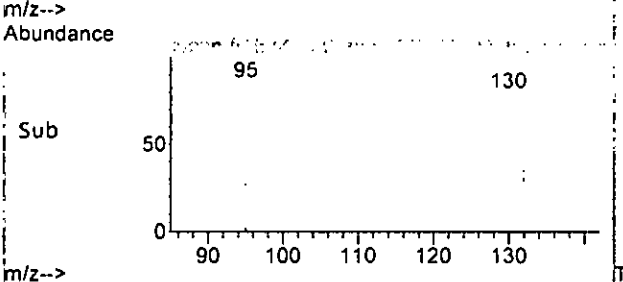
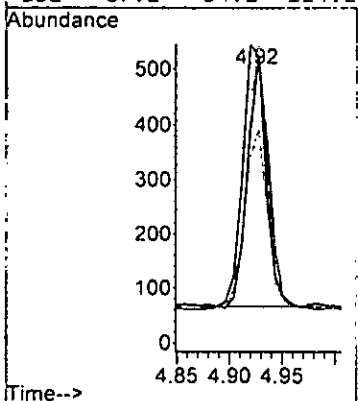
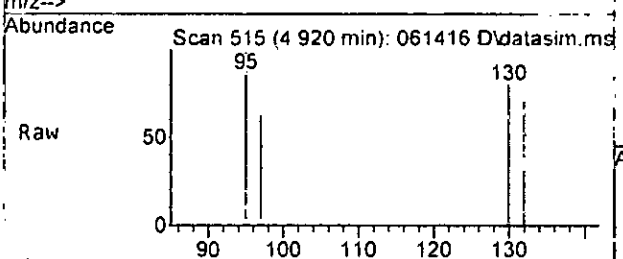
#24
 2-Butanone (MEK)
 Concen: 0.133 ppb
 RT: 3.71 min Scan# 365
 Delta R.T. 0.016 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

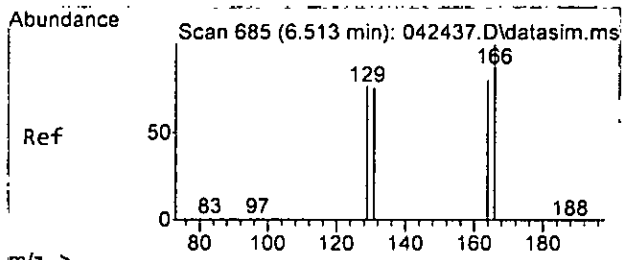
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 0.0 | 0.0 | 50.0 |
| 57 | 0.0 | 0.0 | 26.6 |



#32
 Trichloroethene
 Concen: 0.228 ppb
 RT: 4.92 min Scan# 515
 Delta R.T. -0.007 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

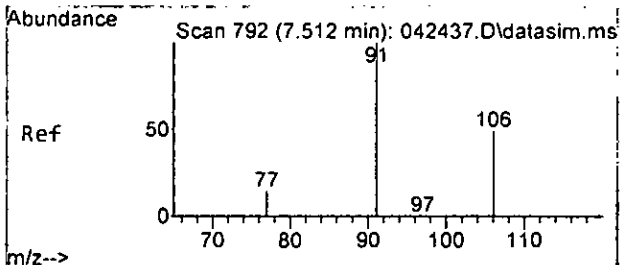
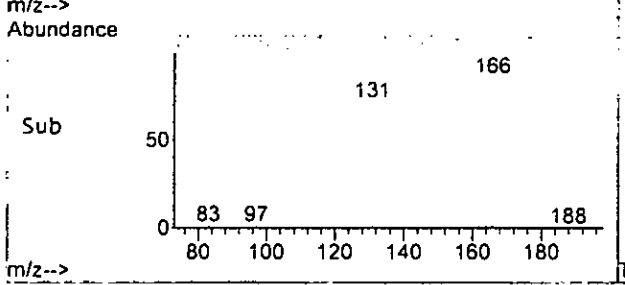
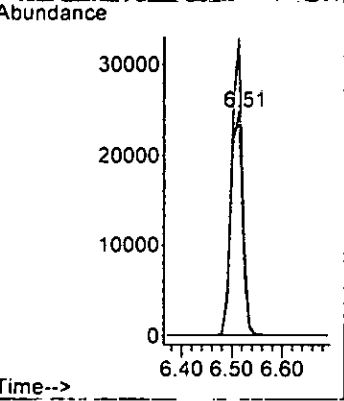
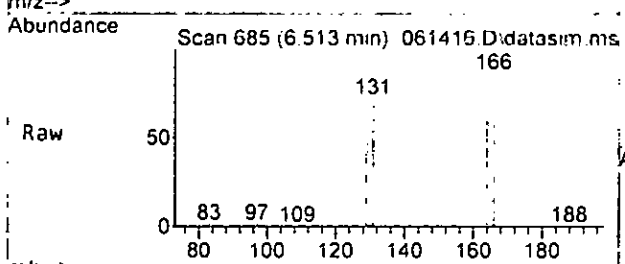
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 100 | | |
| 97 | 57.3 | 33.6 | 93.6 |
| 130 | 78.2 | 62.5 | 122.5 |
| 132 | 67.2 | 54.2 | 114.2 |





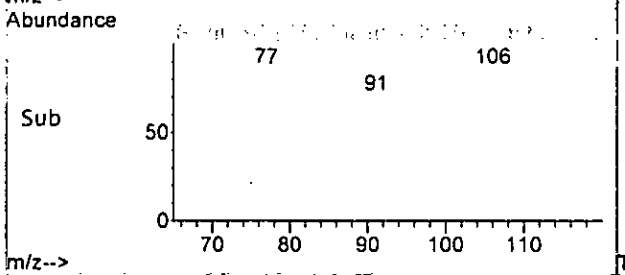
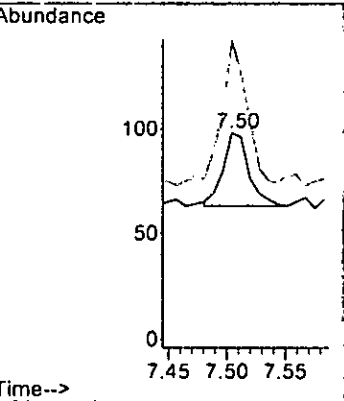
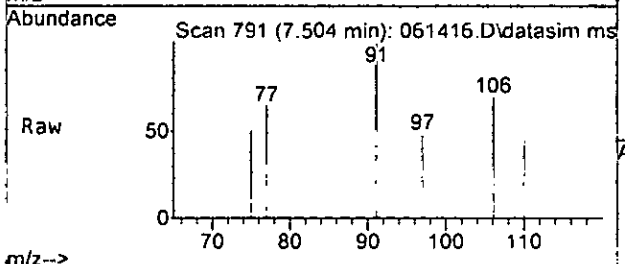
#45
 Tetrachloroethene
 Concen: 16.467 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

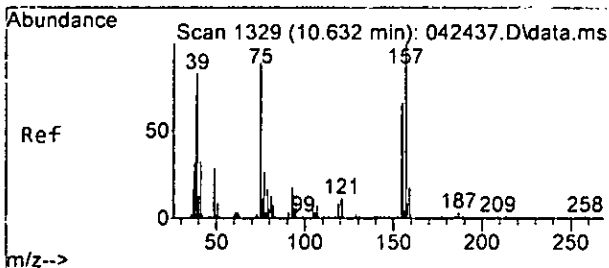
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 93.6 | 64.7 | 124.7 |
| 131 | 95.3 | 63.9 | 123.9 |
| 166 | 132.7 | 98.3 | 158.3 |



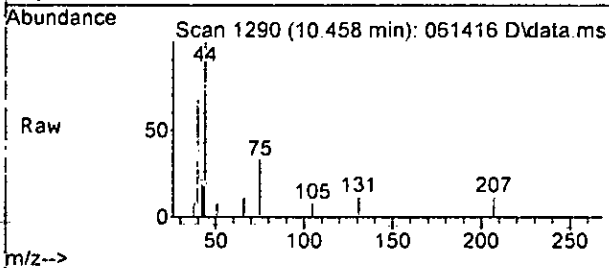
#51
 m,p-Xylene
 Concen: 0.011 ppb
 RT: 7.50 min Scan# 791
 Delta R.T. -0.008 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 191.4 | 177.1 | 237.1 |



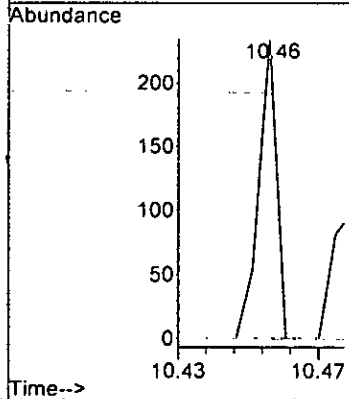
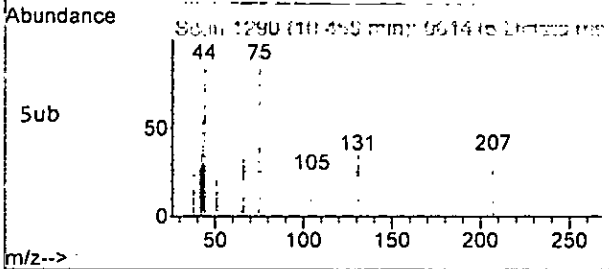


#72
 1,2-Dibromo-3-chloropropane
 Concen: 0.115 ppb
 RT: 10.46 min Scan# 1290
 Delta R.T. -0.174 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm



Tgt Ion: 75 Resp: 78

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|--------|
| 75 | 100 | | |
| 156 | 0.0 | 0.0 | 33.2 |
| 157 | 0.0 | 63.2 | 123.2# |



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91199 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68305 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33599 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26098 | 10.093 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 6264 | 11.185 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 111.80% | | |
| 35) Toluene-d8 | 5.97 | 98 | 87186 | 9.783 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 97.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33600 | 10.750 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 107.50% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.88 | 45 | 177 | No Calib | # | | Qvalue |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 435 | N.D. | | | |
| 5) Chloromethane | 1.21 | 50 | 1505 | N.D. | | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 1.76 | 101 | 143 | N.D. | | | |
| 10) 2-Propanol | 2.38 | 45 | 418 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 528 | N.D. | | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 13) Hexane | 3.07 | 57 | 75 | N.D. | | | |
| 14) Methylene chloride | 2.60 | 84 | 2996 | 1.058 | ppb # | 82 | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 86 | 0.010 | ppb | 77 | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 3.16 | 45 | 237 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 121 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 260 | 0.133 | ppb | 62 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 67 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.41 | 62 | 143 | N.D. | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 4.24 | 75 | 58 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 4.38 | 78 | 83 | N.D. | | | |
| 32] Trichloroethene | 4.92 | 95 | 719 | 0.228 | ppb | 86 | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

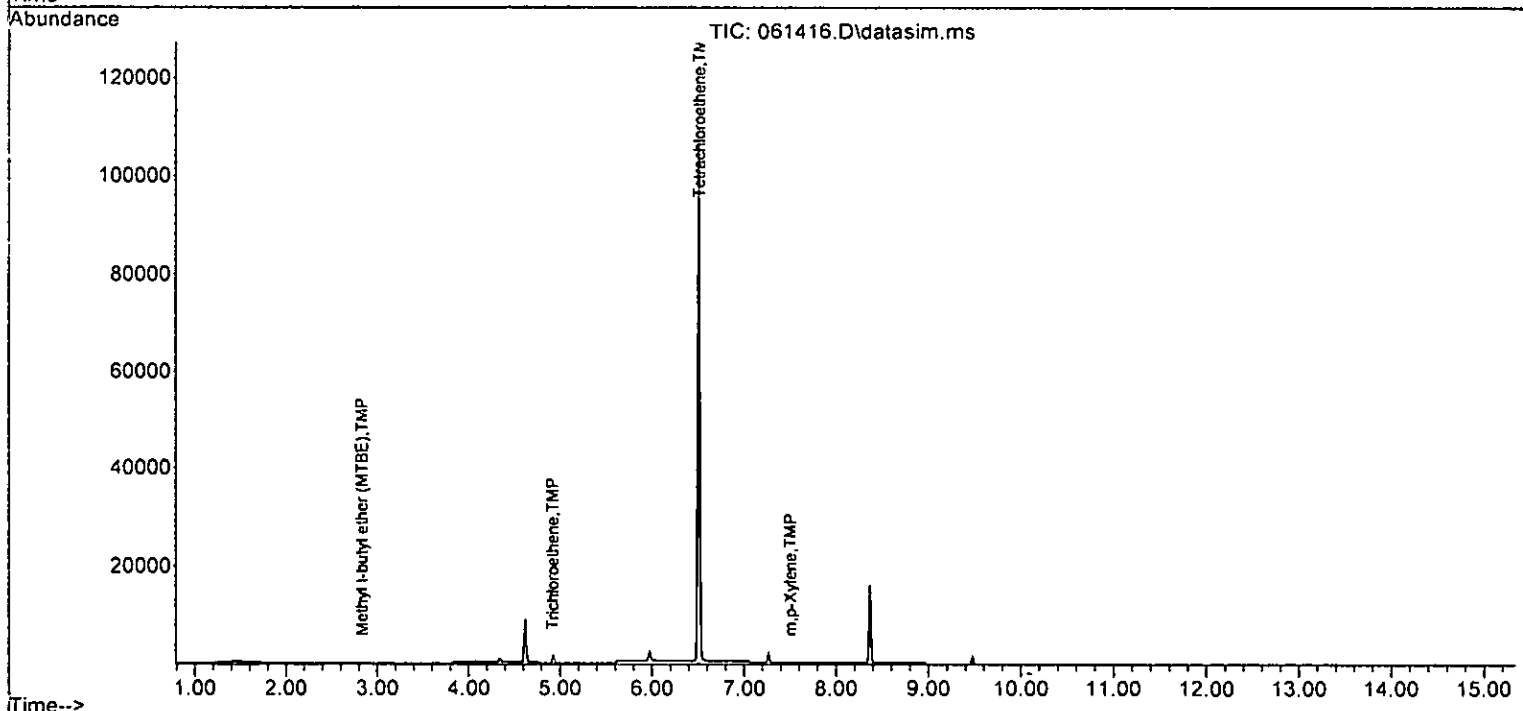
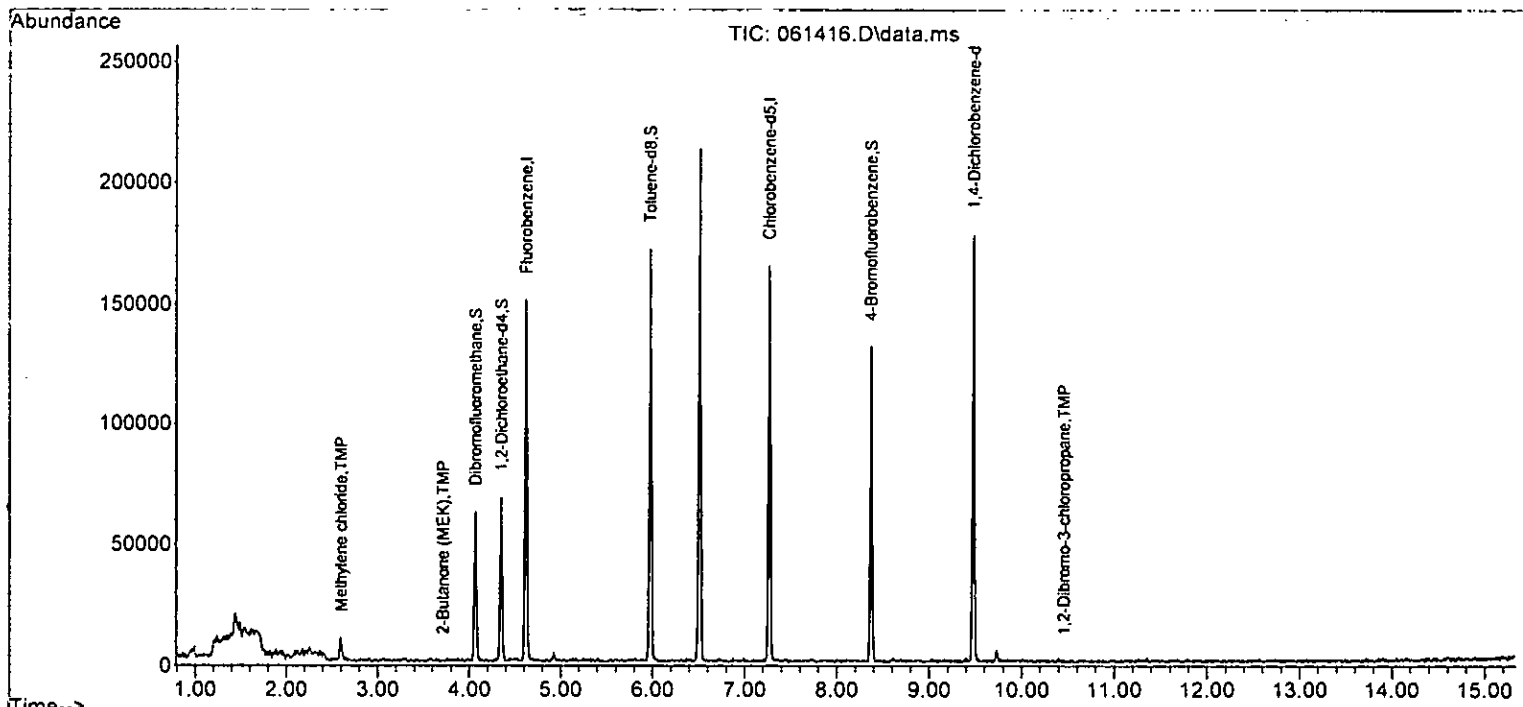
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 40] Toluene | 6.03 | 92 | 73 | Below Cal | # | 68 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | d | |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 6.62 | 76 | 98 | N.D. | | |
| 45] Tetrachloroethene | 6.51 | 164 | 38271 | 16.467 | ppb | 98 |
| 46) Dibromochloromethane | 6.77 | 129 | 96 | N.D. | | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | | |
| 48) Chlorobenzene | 7.29 | 112 | 58 | N.D. | | |
| 49) Ethylbenzene | 7.40 | 91 | 67 | N.D. | | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | | |
| 51] m,p-Xylene | 7.50 | 106 | 53 | 0.011 | ppb | 90 |
| 52) o-Xylene | 0.00 | | 0 | N.D. | | |
| 53) Styrene | 7.80 | 104 | 86 | N.D. | | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | | |
| 55) Bromoform | 7.89 | 173 | 51 | N.D. | | |
| 58) n-Propylbenzene | 8.74 | 91 | 55 | N.D. | | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | | |
| 60) 1,3,5-Trimethylbenzene | 8.61 | 105 | 74 | N.D. | | |
| 61) 1,1,2,2-Tetrachloroethane | 8.36 | 83 | 155 | N.D. | | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | | |
| 63) 2-Chlorotoluene | 8.74 | 91 | 55 | N.D. | | |
| 64) 4-Chlorotoluene | 8.80 | 91 | 195 | N.D. | | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | | |
| 66) 1,2,4-Trimethylbenzene | 9.16 | 105 | 92 | N.D. | | |
| 67) sec-Butylbenzene | 9.31 | 105 | 57 | N.D. | | |
| 68) p-Isopropyltoluene | 9.47 | 119 | 50 | N.D. | | |
| 69) 1,3-Dichlorobenzene | 9.48 | 146 | 143 | N.D. | | |
| 70) 1,4-Dichlorobenzene | 9.48 | 146 | 143 | N.D. | | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 72) 1,2-Dibromo-3-chloropr... | 10.46 | 75 | 78 | 0.115 | ppb # | 6 |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |
| 75) Naphthalene | 0.00 | | 0 | N.D. | | |
| 76) 1,2,3-Trichlorobenzene | 11.85 | 180 | 63 | N.D. | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq Dn : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061419.D
 Acq On : 14 Jun 2023 02:07 pm
 Operator : LM
 Sample : 306191-01 msd rr
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 14:12:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91614 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 64293 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 34690 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 25271 | 9.729 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 97.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5160 | 9.172 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 91.70% | |
| 35) Toluene-d8 | 5.97 | 98 | 87463 | 9.770 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 97.70% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33036 | 10.237 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 102.40% | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 0.00 | | 0 | N.D. | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.08 | 85 | 50028 | 6.200 | ppb | 99 | |
| 5) Chloromethane | 1.21 | 50 | 60298 | 6.018 | ppb | 97 | |
| 6] Vinyl chloride | 1.29 | 62 | 55943 | 6.454 | ppb | 98 | |
| 7) Bromomethane | 1.52 | 94 | 36036 | 5.733 | ppb | 86 | |
| 8] Chloroethane | 1.59 | 64 | 33830 | 6.029 | ppb | 98 | |
| 9) Trichlorofluoromethane | 1.77 | 101 | 64340 | 6.358 | ppb | 84 | |
| 10) 2-Propanol | 2.37 | 45 | 1162 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 16244 | 30.623 | ppb | 91 | |
| 12] 1,1-Dichloroethene | 2.18 | 96 | 24337 | 5.749 | ppb | 96 | |
| 13) Hexane | 3.05 | 57 | 26281 | 5.975 | ppb | 92 | |
| 14) Methylene chloride | 2.60 | 84 | 18659 | 6.560 | ppb | 86 | |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 15808 | 41.718 | ppb | 98 | |
| 16] Methyl t-butyl ether (...) | 2.82 | 73 | 54071 | 6.499 | ppb | 96 | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 18069 | 6.125 | ppb | 98 | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 55099 | 5.398 | ppb | 92 | |
| 19] 1,1-Dichloroethane | 3.17 | 63 | 37062 | 6.034 | ppb | 100 | |
| 20) Ethyl t-butyl ether (E...) | 3.54 | 87 | 17584 | 5.674 | ppb | # 86 | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 23336 | 6.530 | ppb | 89 | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 20258 | 6.376 | ppb | 99 | |
| 23) Chloroform | 3.93 | 83 | 31150 | 5.657 | ppb | 97 | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 60179 | 30.698 | ppb | 98 | |
| 25) t-Amyl methyl ether (T...) | 4.48 | 73 | 41835 | 5.289 | ppb | 96 | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 31246 | 6.212 | ppb | 96 | |
| 27] 1,1,1-Trichloroethane | 4.07 | 97 | 31055 | 6.568 | ppb | 96 | |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 24725 | 6.100 | ppb | 96 | |
| 29) Carbon tetrachloride | 4.20 | 117 | 23211 | 7.584 | ppb | 91 | |
| 31] Benzene | 4.38 | 78 | 72131 | 5.888 | ppb | 93 | |
| 32] Trichloroethene | 4.92 | 95 | 19584 | 6.179 | ppb | 93 | |
| 33) 1,2-Dichloropropane | 5.12 | 63 | 16567 | 5.654 | ppb | 95 | |
| 34) Bromodichloromethane | 5.37 | 83 | 23191 | 6.291 | ppb | 87 | |
| 36) Dibromomethane | 5.22 | 93 | 11073 | 6.262 | ppb | 91 | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061419.D
 Acq On : 14 Jun 2023 02:07 pm
 Operator : LM
 Sample : 306191-01 msd rr
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

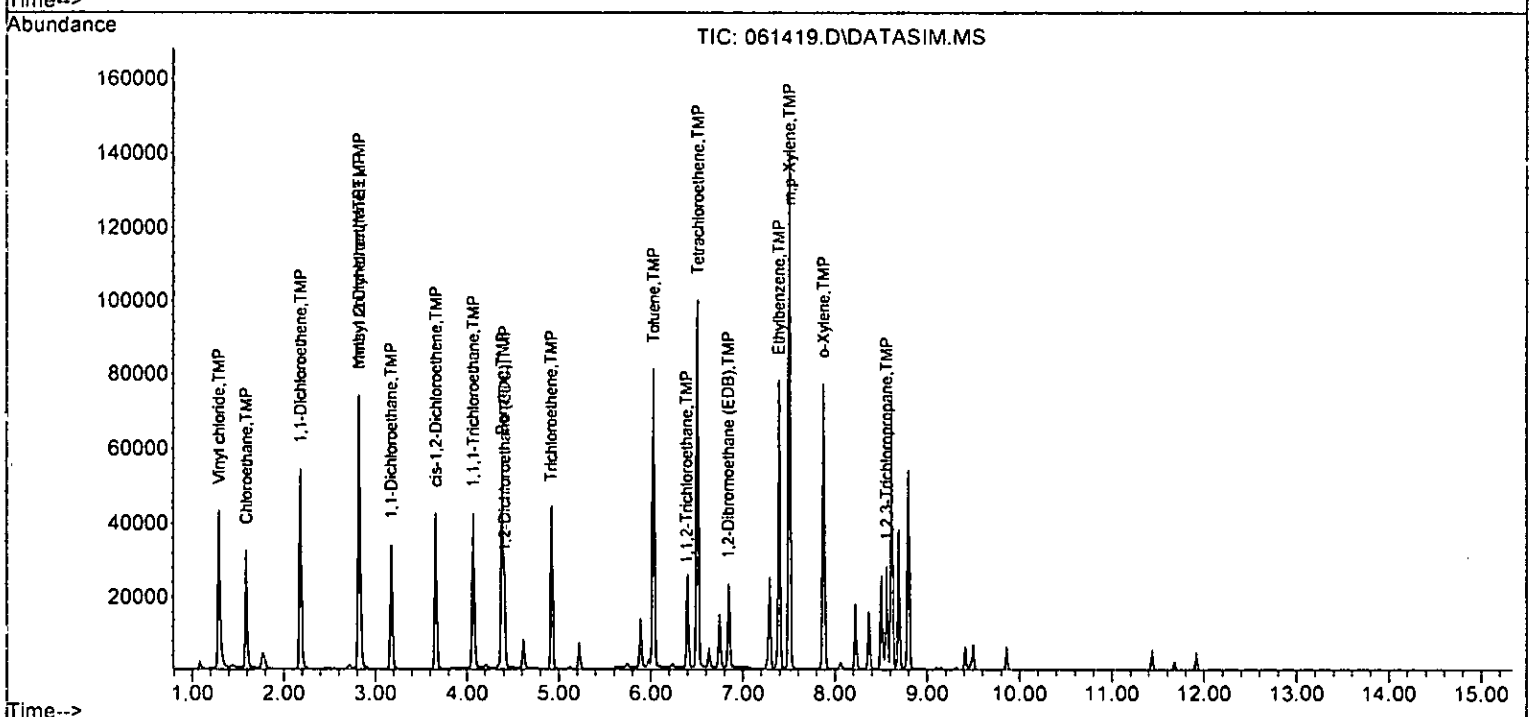
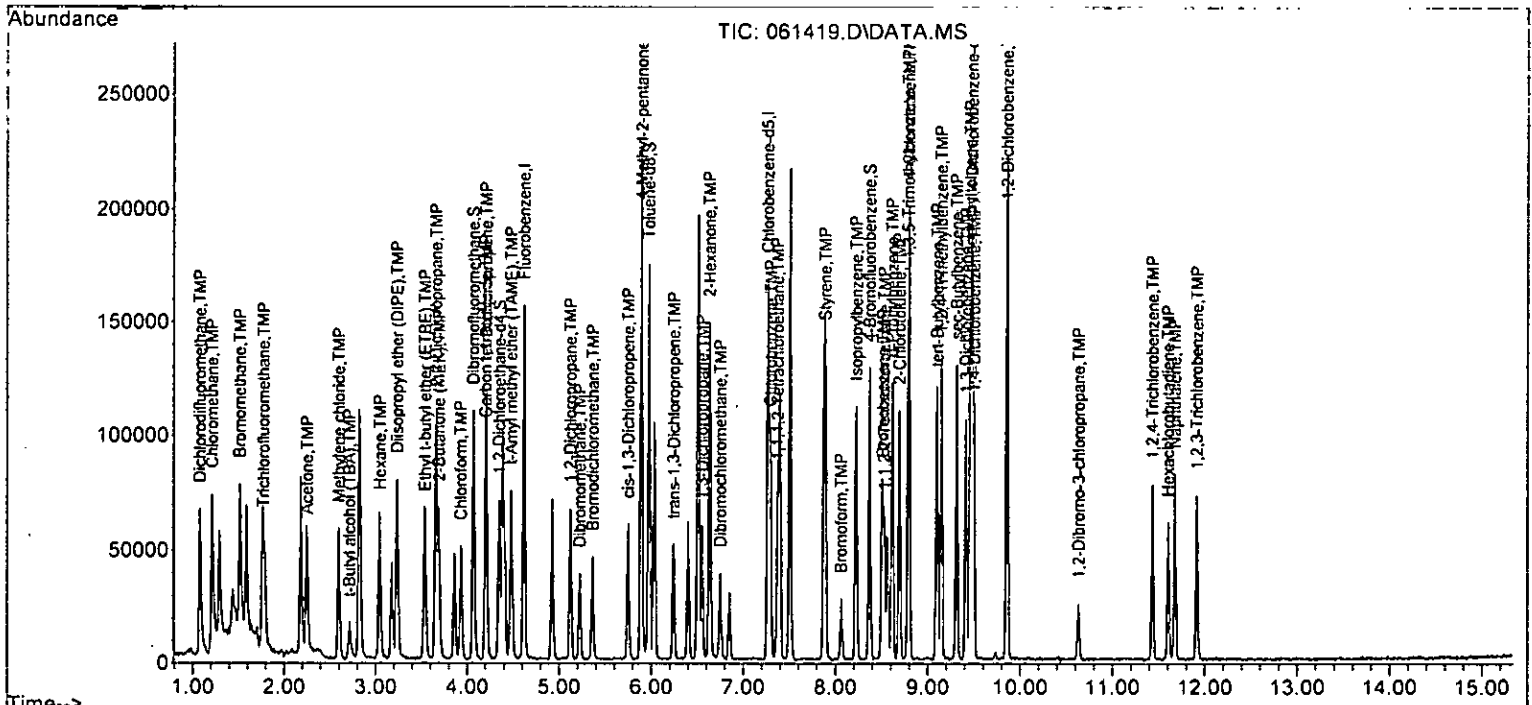
Quant Time: Jun 14 14:12:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 18704 | 38.245 | ppb | # 70 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 23464 | 5.530 | ppb | 88 |
| 40] Toluene | 6.03 | 92 | 40563 | 6.249 | ppb | 97 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 22365 | 6.031 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.39 | 83 | 14100 | 6.534 | ppb | 84 |
| 43) 2-Hexanone | 6.63 | 43 | 90079 | 32.092 | ppb | 95 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 22342 | 6.221 | ppb | 98 |
| 45] Tetrachloroethene | 6.51 | 164 | 37464 | 17.126 | ppb | 97 |
| 46) Dibromochloromethane | 6.75 | 129 | 14373 | 6.111 | ppb | 87 |
| 47] 1,2-Dibromoethane (EDB) | 6.84 | 107 | 16862 | 6.638 | ppb | 95 |
| 48) Chlorobenzene | 7.30 | 112 | 38351 | 6.272 | ppb | 96 |
| 49] Ethylbenzene | 7.39 | 91 | 77499 | 6.143 | ppb | 94 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 13407 | 6.025 | ppb | 89 |
| 51] m,p-Xylene | 7.50 | 106 | 56502 | 12.196 | ppb | 89 |
| 52] o-Xylene | 7.87 | 106 | 28025 | 5.937 | ppb | 88 |
| 53) Styrene | 7.89 | 104 | 38168 | 5.599 | ppb | 90 |
| 54) Isopropylbenzene | 8.23 | 105 | 57962 | 5.544 | ppb | 98 |
| 55) Bromoform | 8.06 | 173 | 9022 | 5.775 | ppb | 88 |
| 58) n-Propylbenzene | 8.61 | 91 | 78050 | 6.003 | ppb | 99 |
| 59) Bromobenzene | 8.51 | 156 | 15297 | 5.825 | ppb | 87 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 51222 | 5.629 | ppb | 97 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 23723 | 7.212 | ppb | 96 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 21326 | 7.137 | ppb | 93 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 44531 | 5.806 | ppb | 96 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 53871 | 5.802 | ppb | 91 |
| 65) tert-Butylbenzene | 9.10 | 119 | 43995 | 5.839 | ppb | 99 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 54583 | 5.763 | ppb | 98 |
| 67) sec-Butylbenzene | 9.31 | 105 | 67673 | 5.787 | ppb | 97 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 54318 | 5.618 | ppb | 95 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 30240 | 6.083 | ppb | 93 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 30301 | 5.929 | ppb | 92 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 29761 | 6.000 | ppb | 91 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 5168 | 7.350 | ppb | 88 |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 16583 | 4.879 | ppb | 92 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 8119 | 4.933 | ppb | 96 |
| 75) Naphthalene | 11.68 | 128 | 48536 | 5.720 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 15890 | 5.074 | ppb | 83 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061419.D
 Acq On : 14 Jun 2023 02:07 pm
 Operator : LM
 Sample : 306191-01 msd rr
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 14:12:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061420.D
 Acq On : 14 Jun 2023 02:30 pm
 Operator : LM
 Sample : 306191-01 ms rr
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 14:35:43 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 91065 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 67160 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 34540 | 10.000 | ppb | 0.00 |

| | | | | | | |
|-----------------------------|--------|----------------|----------|--------|---------|-------|
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 26598 | 10.302 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.00% | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5394 | 9.646 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 96.50% | |
| 35) Toluene-d8 | 5.97 | 98 | 89800 | 10.091 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 100.90% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32967 | 10.260 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 102.60% | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|----------|-------|--------|
| 2) Ethanol | 0.00 | | 0 | N.D. | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 72866 | 9.085 | ppb | 98 |
| 5) Chloromethane | 1.23 | 50 | 82935 | 8.328 | ppb | 90 |
| 6] Vinyl chloride | 1.31 | 62 | 75368 | 8.747 | ppb | 99 |
| 7) Bromomethane | 1.54 | 94 | 48391 | 7.744 | ppb | 96 |
| 8] Chloroethane | 1.60 | 64 | 45169 | 8.099 | ppb | 97 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 88074 | 8.756 | ppb | 88 |
| 10) 2-Propanol | 2.39 | 45 | 649 | No Calib | | |
| 11) Acetone | 2.26 | 58 | 17271 | 32.756 | ppb # | 85 |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 33029 | 7.850 | ppb | 89 |
| 13) Hexane | 3.05 | 57 | 34932 | 7.990 | ppb | 92 |
| 14) Methylene chloride | 2.61 | 84 | 24530 | 8.676 | ppb | 94 |
| 15) t-Butyl alcohol (TBA) | 2.72 | 59 | 16533 | 43.895 | ppb | 72 |
| 16] Methyl t-butyl ether (...) | 2.84 | 73 | 72888 | 8.813 | ppb | 100 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 24435 | 8.333 | ppb | 93 |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 77734 | 7.662 | ppb | 97 |
| 19] 1,1-Dichloroethane | 3.18 | 63 | 50903 | 8.337 | ppb | 98 |
| 20) Ethyl t-butyl ether (E...) | 3.55 | 87 | 24985 | 8.110 | ppb | 98 |
| 21) 2,2-Dichloropropane | 3.67 | 77 | 32150 | 9.051 | ppb | 98 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 26450 | 8.375 | ppb | 97 |
| 23) Chloroform | 3.94 | 83 | 42082 | 7.688 | ppb | 95 |
| 24) 2-Butanone (MEK) | 3.70 | 43 | 68044 | 34.919 | ppb | 95 |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 58770 | 7.474 | ppb | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 42642 | 8.538 | ppb | 100 |
| 27] 1,1,1-Trichloroethane | 4.08 | 97 | 42626 | 9.070 | ppb | 98 |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 32069 | 7.960 | ppb | 95 |
| 29) Carbon tetrachloride | 4.21 | 117 | 32656 | 10.735 | ppb | 93 |
| 31] Benzene | 4.38 | 78 | 100202 | 8.229 | ppb | 100 |
| 32] Trichloroethene | 4.93 | 95 | 27026 | 8.578 | ppb | 99 |
| 33) 1,2-Dichloropropane | 5.13 | 63 | 23617 | 8.109 | ppb | 99 |
| 34) Bromodichloromethane | 5.37 | 83 | 29183 | 7.965 | ppb | 93 |
| 36) Dibromomethane | 5.22 | 93 | 14835 | 8.440 | ppb | 87 |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061420.D
 Acq On : 14 Jun 2023 02:30 pm
 Operator : LM
 Sample : 306191-01 ms rr
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

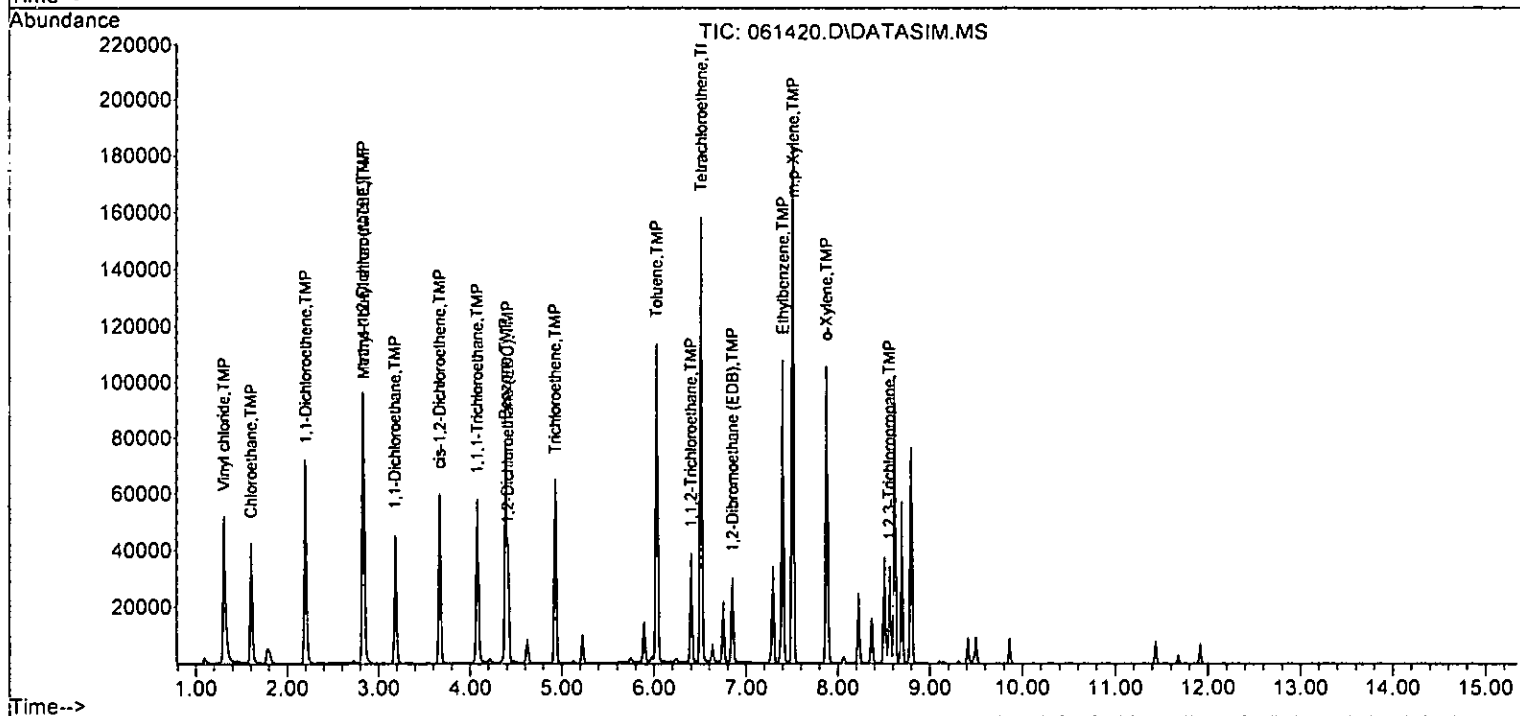
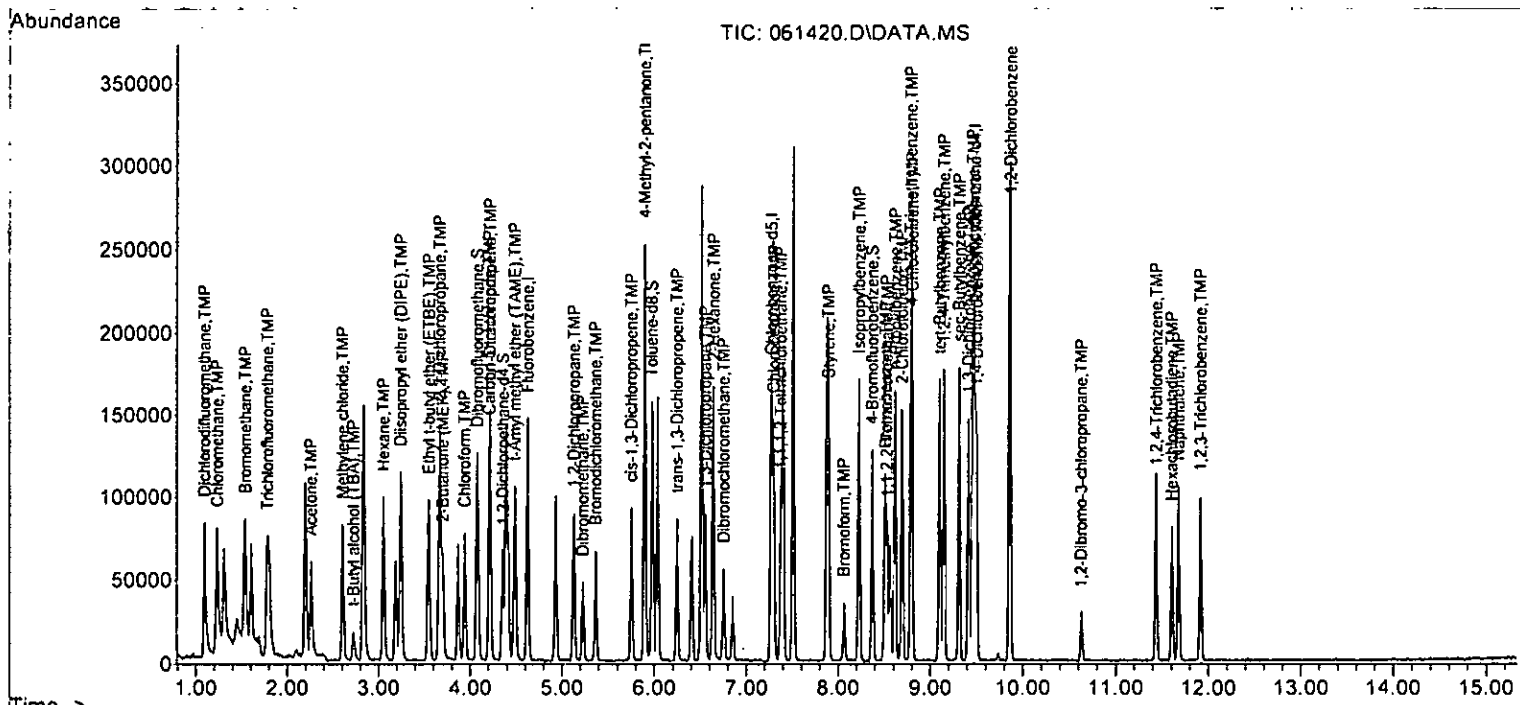
Quant Time: Jun 14 14:35:43 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 5.89 | 85 | 18065 | 37.161 | ppb | 94 |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 33843 | 8.024 | ppb | 99 |
| 40] Toluene | 6.03 | 92 | 56216 | 8.295 | ppb | 100 |
| 41) trans-1,3-Dichloropropene | 6.25 | 75 | 32476 | 8.383 | ppb | 96 |
| 42] 1,1,2-Trichloroethane | 6.40 | 83 | 19114 | 8.479 | ppb | 97 |
| 43) 2-Hexanone | 6.64 | 43 | 101937 | 34.766 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 33711 | 8.985 | ppb | 96 |
| 45] Tetrachloroethene | 6.51 | 164 | 52403 | 22.936 | ppb | 99 |
| 46) Dibromochloromethane | 6.75 | 129 | 18750 | 7.631 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.85 | 107 | 22366 | 8.429 | ppb | 99 |
| 48) Chlorobenzene | 7.30 | 112 | 55480 | 8.686 | ppb | 92 |
| 49] Ethylbenzene | 7.40 | 91 | 107918 | 8.189 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 20071 | 8.635 | ppb | 87 |
| 51] m,p-Xylene | 7.51 | 106 | 78918 | 16.308 | ppb | 94 |
| 52] o-Xylene | 7.87 | 106 | 39254 | 7.961 | ppb | 81 |
| 53) Styrene | 7.90 | 104 | 52834 | 7.420 | ppb | 92 |
| 54) Isopropylbenzene | 8.23 | 105 | 85913 | 7.867 | ppb | 94 |
| 55) Bromoform | 8.06 | 173 | 11729 | 7.188 | ppb | 98 |
| 58) n-Propylbenzene | 8.62 | 91 | 108579 | 8.387 | ppb | 97 |
| 59) Bromobenzene | 8.51 | 156 | 20852 | 7.975 | ppb | 89 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 74682 | 8.243 | ppb | 95 |
| 61) 1,1,2,2-Tetrachloroethane | 8.53 | 83 | 29375 | 8.969 | ppb | 96 |
| 62] 1,2,3-Trichloropropane | 8.56 | 75 | 25833 | 8.683 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.69 | 91 | 65732 | 8.607 | ppb | 95 |
| 64) 4-Chlorotoluene | 8.80 | 91 | 76947 | 8.324 | ppb | 98 |
| 65) tert-Butylbenzene | 9.10 | 119 | 60334 | 8.043 | ppb | 92 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 78471 | 8.321 | ppb | 94 |
| 67) sec-Butylbenzene | 9.31 | 105 | 94853 | 8.147 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 75373 | 7.829 | ppb | 96 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 42702 | 8.627 | ppb | 92 |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 41776 | 8.209 | ppb | 87 |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 42273 | 8.560 | ppb | 95 |
| 72) 1,2-Dibromo-3-chloropr... | 10.63 | 75 | 6157 | 8.795 | ppb | 76 |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 24605 | 7.271 | ppb | 93 |
| 74) Hexachlorobutadiene | 11.60 | 225 | 10937 | 6.674 | ppb | 98 |
| 75) Naphthalene | 11.68 | 128 | 62614 | 7.411 | ppb | 97 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 21369 | 6.853 | ppb | 95 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061420.D
 Acq On : 14 Jun 2023 02:30 pm
 Operator : LM
 Sample : 306191-01 ms rr
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 14:35:43 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



EPA 8260D
Sample Data

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

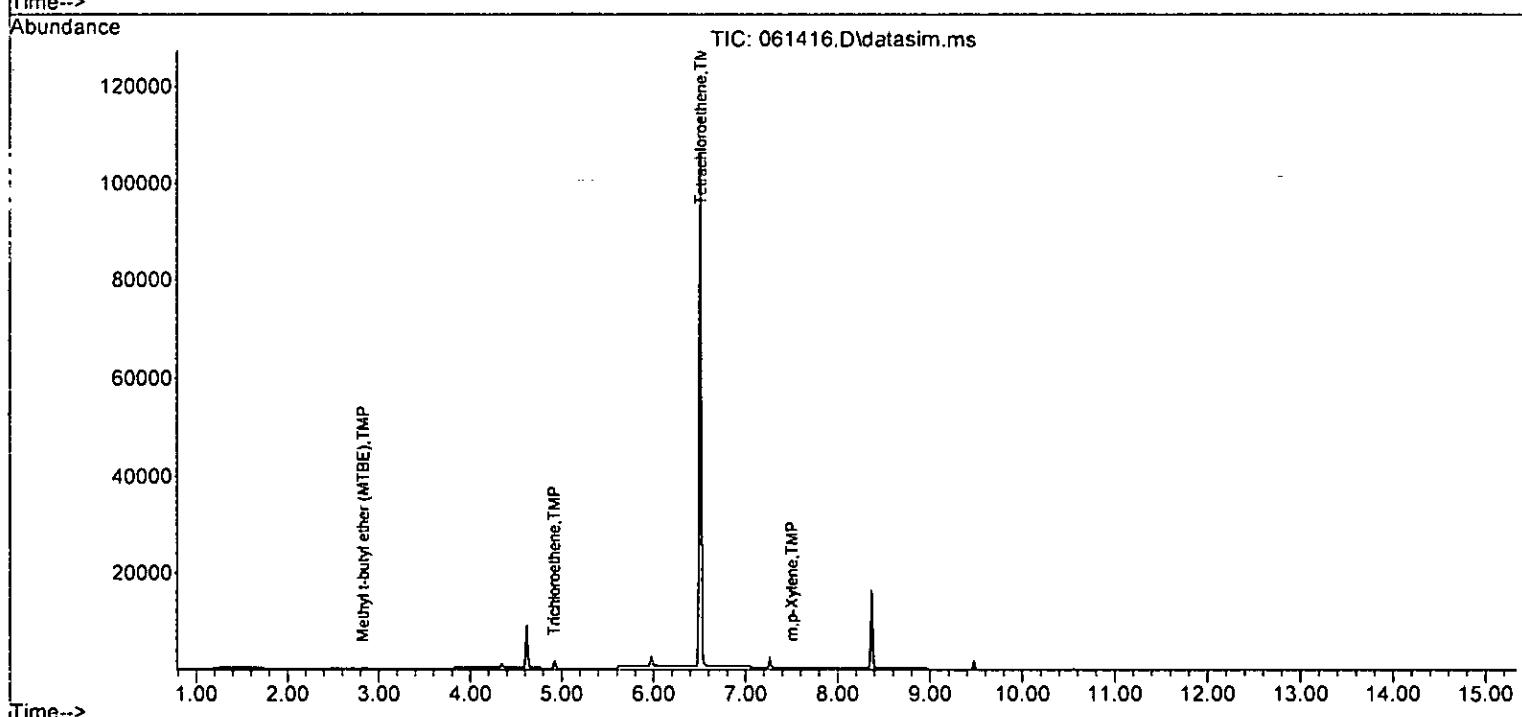
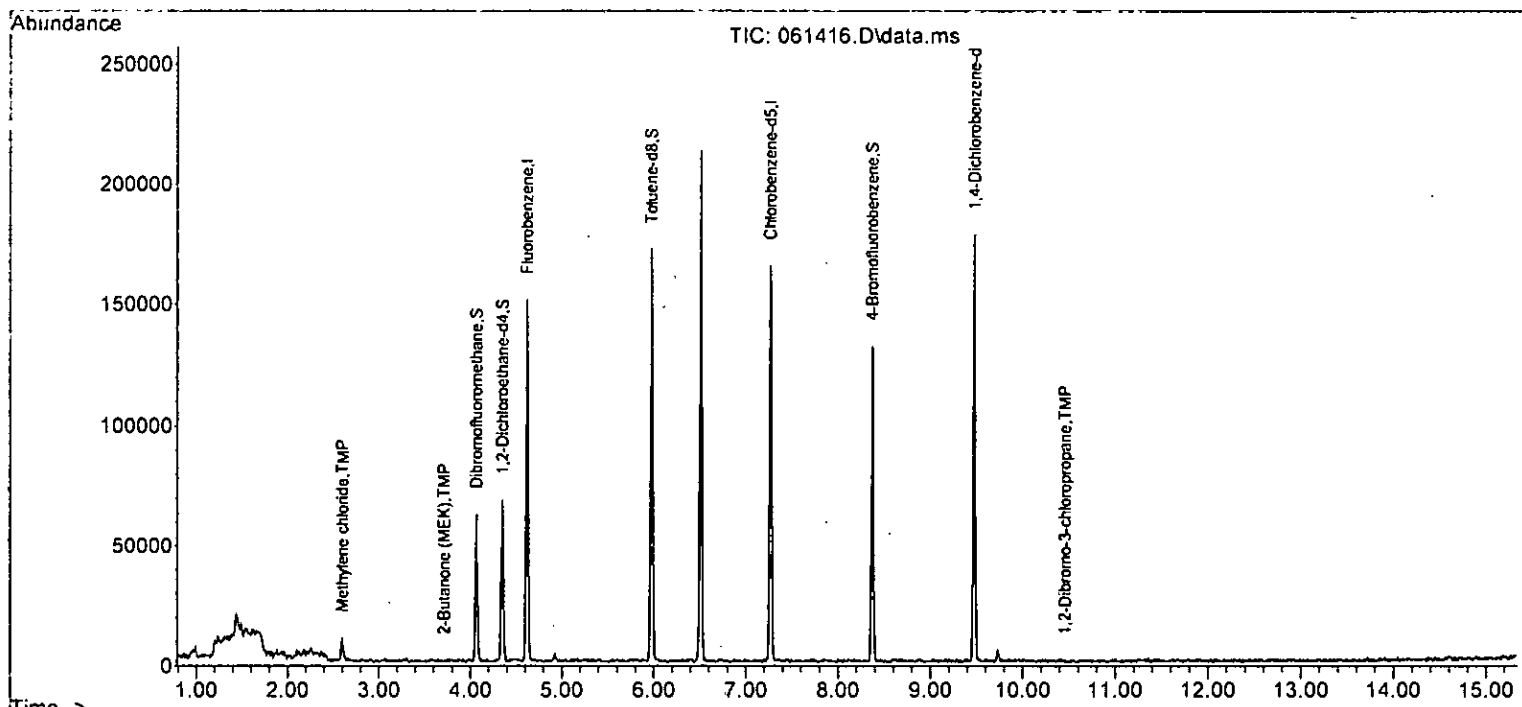
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

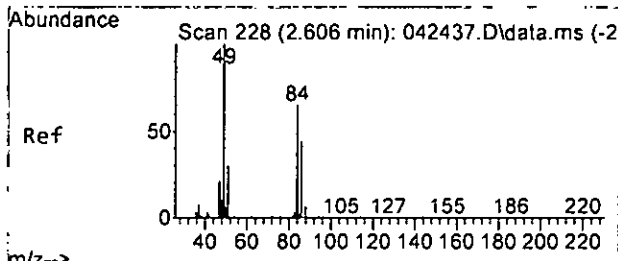
| Compound | R:T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91199 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68305 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33599 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26098 | 10.093 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 100.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 6264 | 11.185 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = 111.80% | | |
| 35) Toluene-d8 | 5.97 | 98 | 87186 | 9.783 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = 97.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33600 | 10.750 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = 107.50% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 14) Methylene chloride | 2.60 | 84 | 2996 | 1.058 | ppb | # 82 |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 86 | 0.010 | ppb | 77 |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 260 | 0.133 | ppb | 62 |
| 32] Trichloroethene | 4.92 | 95 | 719 | 0.228 | ppb | 86 |
| 40] Toluene | 6.03 | 92 | 73 | Below Cal | | # 68 |
| 45] Tetrachloroethene | 6.51 | 164 | 38271 | 16.467 | ppb | 98 |
| 51] m,p-Xylene | 7.50 | 106 | 53 | 0.011 | ppb | 90 |
| 72) 1,2-Dibromo-3-chloropr... | 10.46 | 75 | 78 | 0.115 | ppb | # 6 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

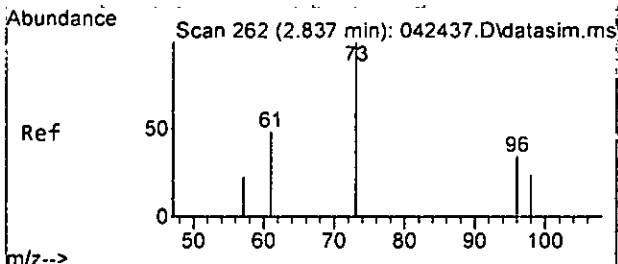
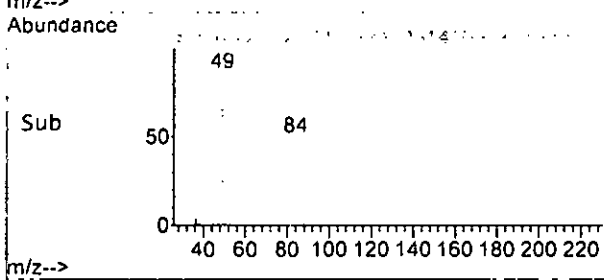
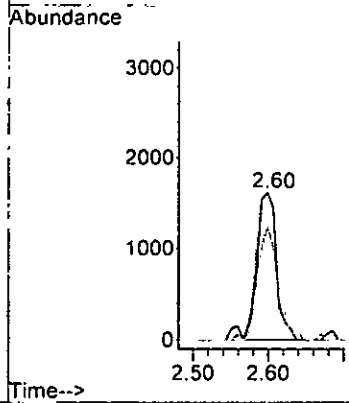
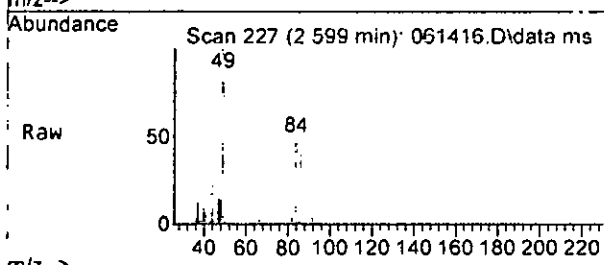
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





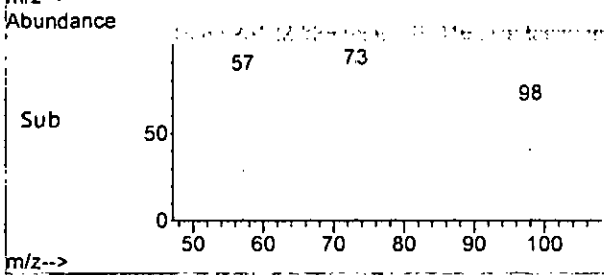
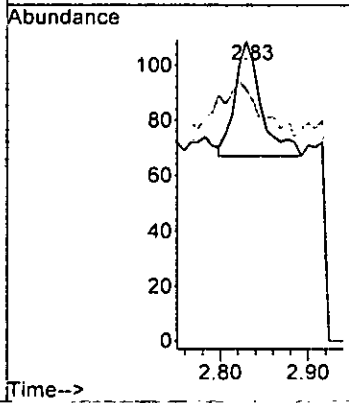
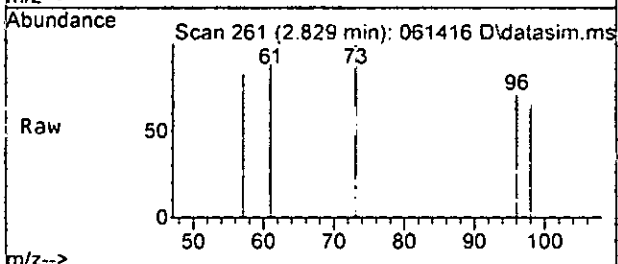
#14
 Methylene chloride
 Concen: 1.058 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

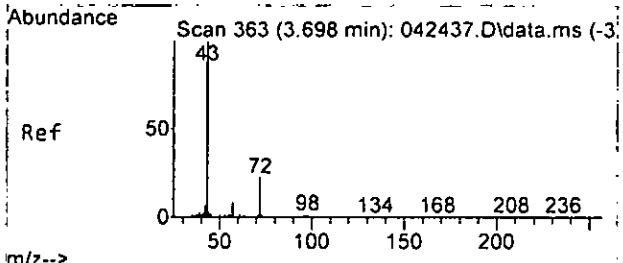
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 100 | | |
| 86 | 76.8 | 41.4 | 101.4 |
| 49 | 198.1 | 137.3 | 197.3# |



#16
 Methyl t-butyl ether (MTBE)
 Concen: 0.010 ppb
 RT: 2.83 min Scan# 261
 Delta R.T. -0.008 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

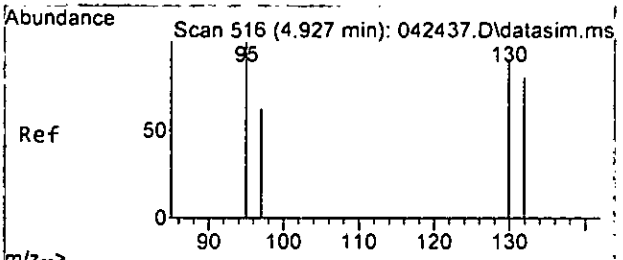
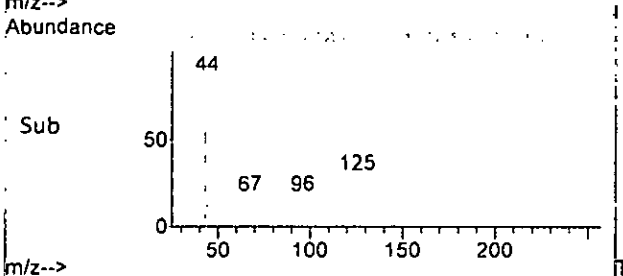
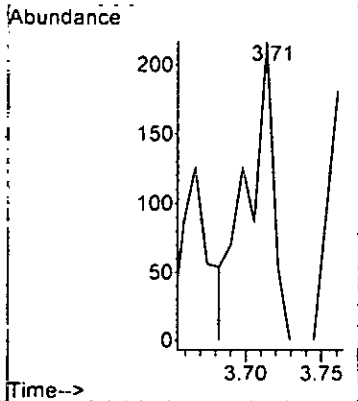
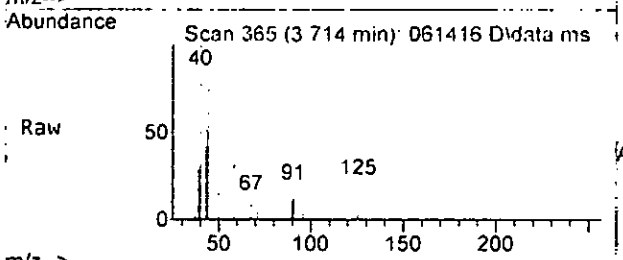
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 33.3 | 0.0 | 52.3 |
| 96 | | | |





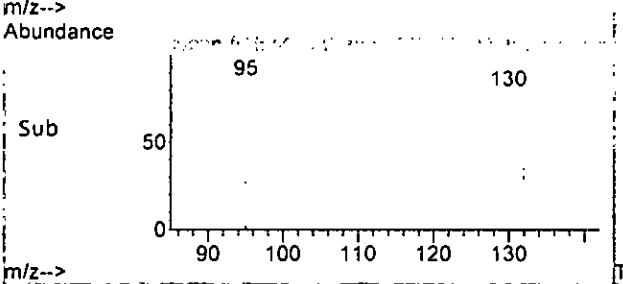
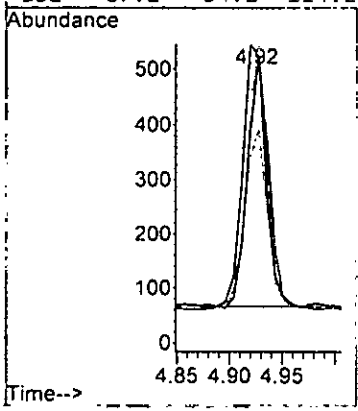
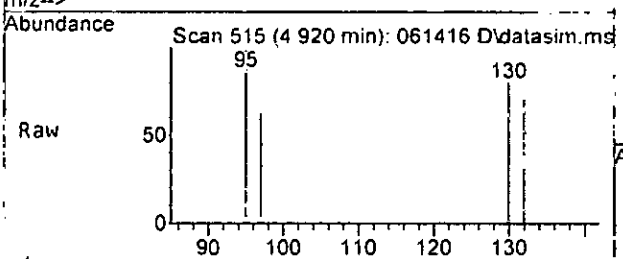
#24
 2-Butanone (MEK)
 Concen: 0.133 ppb
 RT: 3.71 min Scan# 365
 Delta R.T. 0.016 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

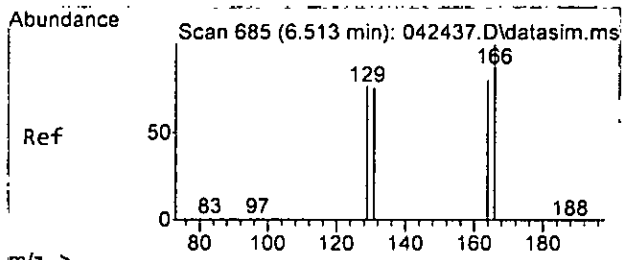
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 0.0 | 0.0 | 50.0 |
| 57 | 0.0 | 0.0 | 26.6 |



#32
 Trichloroethene
 Concen: 0.228 ppb
 RT: 4.92 min Scan# 515
 Delta R.T. -0.007 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

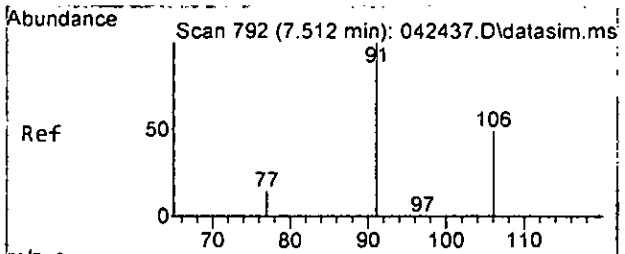
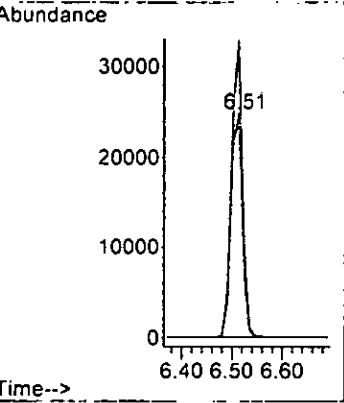
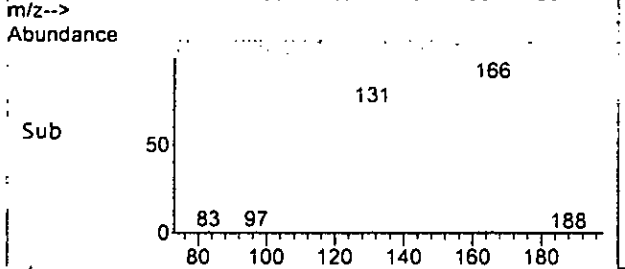
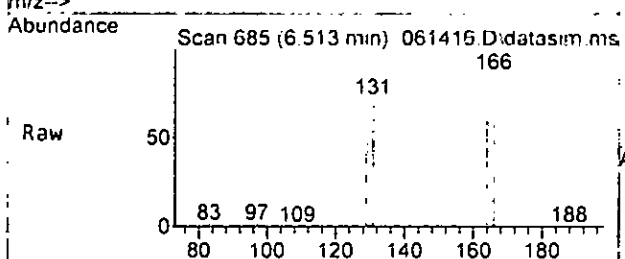
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 100 | | |
| 97 | 57.3 | 33.6 | 93.6 |
| 130 | 78.2 | 62.5 | 122.5 |
| 132 | 67.2 | 54.2 | 114.2 |





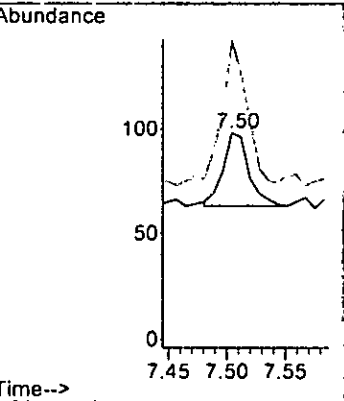
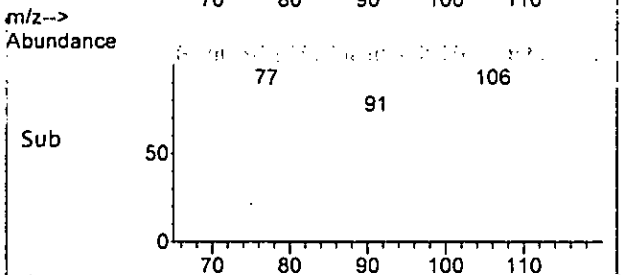
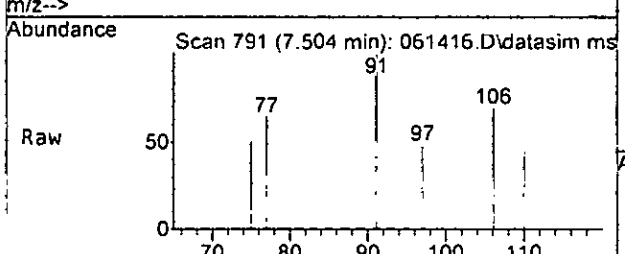
#45
 Tetrachloroethene
 Concen: 16.467 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

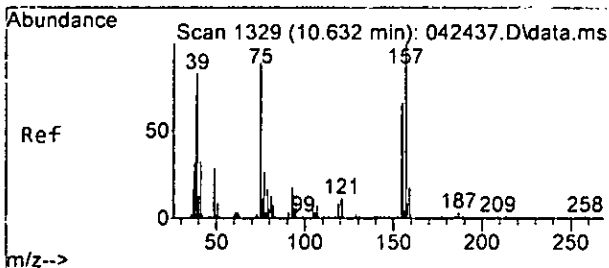
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 93.6 | 64.7 | 124.7 |
| 131 | 95.3 | 63.9 | 123.9 |
| 166 | 132.7 | 98.3 | 158.3 |



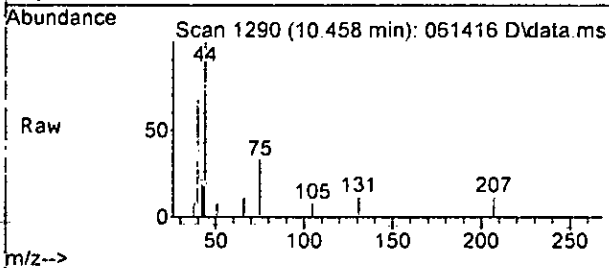
#51
 m,p-Xylene
 Concen: 0.011 ppb
 RT: 7.50 min Scan# 791
 Delta R.T. -0.008 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 191.4 | 177.1 | 237.1 |



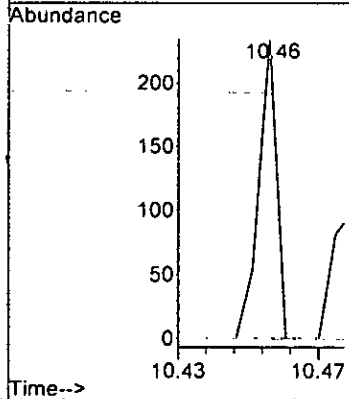
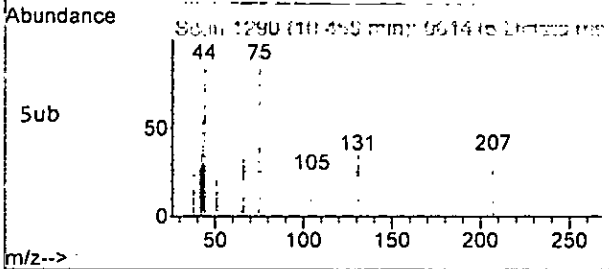


#72
 1,2-Dibromo-3-chloropropane
 Concen: 0.115 ppb
 RT: 10.46 min Scan# 1290
 Delta R.T. -0.174 min
 Lab File: 061416.D
 Acq: 14 Jun 2023 12:57 pm



Tgt Ion: 75 Resp: 78

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|--------|
| 75 | 100 | | |
| 156 | 0.0 | 0.0 | 33.2 |
| 157 | 0.0 | 63.2 | 123.2# |



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91199 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68305 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33599 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26098 | 10.093 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 6264 | 11.185 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 111.80% | | |
| 35) Toluene-d8 | 5.97 | 98 | 87186 | 9.783 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 97.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33600 | 10.750 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 107.50% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.88 | 45 | 177 | No Calib | # | | Qvalue |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 435 | N.D. | | | |
| 5) Chloromethane | 1.21 | 50 | 1505 | N.D. | | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 1.76 | 101 | 143 | N.D. | | | |
| 10) 2-Propanol | 2.38 | 45 | 418 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 528 | N.D. | | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 13) Hexane | 3.07 | 57 | 75 | N.D. | | | |
| 14) Methylene chloride | 2.60 | 84 | 2996 | 1.058 | ppb # | 82 | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16] Methyl t-butyl ether (...) | 2.83 | 73 | 86 | 0.010 | ppb | 77 | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 3.16 | 45 | 237 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.66 | 77 | 121 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 260 | 0.133 | ppb | 62 | |
| 25) t-Amyl methyl ether (T...) | 4.49 | 73 | 67 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.41 | 62 | 143 | N.D. | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 4.24 | 75 | 58 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 4.38 | 78 | 83 | N.D. | | | |
| 32] Trichloroethene | 4.92 | 95 | 719 | 0.228 | ppb | 86 | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq On : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

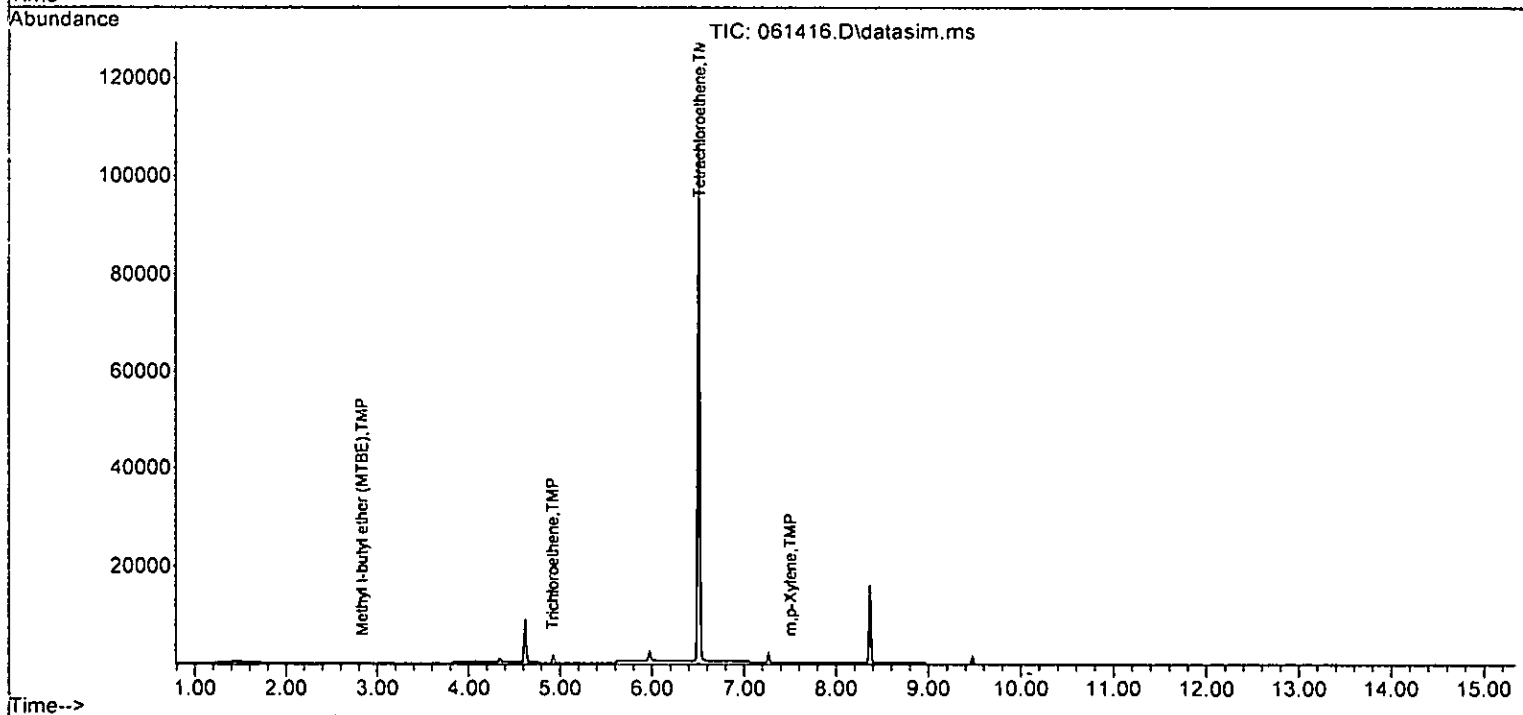
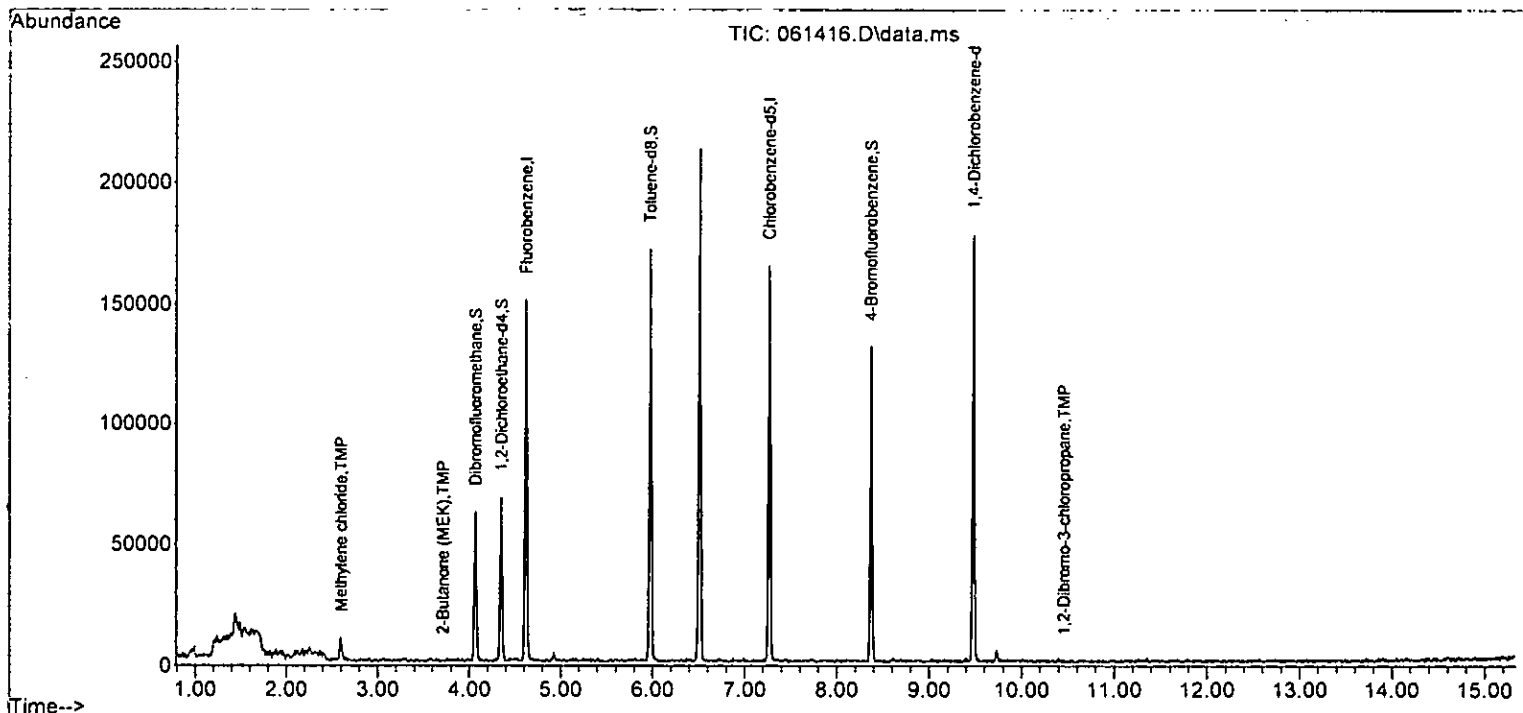
Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 40] Toluene | 6.03 | 92 | 73 | Below Cal | # | 68 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | d | |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 6.62 | 76 | 98 | N.D. | | |
| 45] Tetrachloroethene | 6.51 | 164 | 38271 | 16.467 | ppb | 98 |
| 46) Dibromochloromethane | 6.77 | 129 | 96 | N.D. | | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | | |
| 48) Chlorobenzene | 7.29 | 112 | 58 | N.D. | | |
| 49) Ethylbenzene | 7.40 | 91 | 67 | N.D. | | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | | |
| 51] m,p-Xylene | 7.50 | 106 | 53 | 0.011 | ppb | 90 |
| 52) o-Xylene | 0.00 | | 0 | N.D. | | |
| 53) Styrene | 7.80 | 104 | 86 | N.D. | | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | | |
| 55) Bromoform | 7.89 | 173 | 51 | N.D. | | |
| 58) n-Propylbenzene | 8.74 | 91 | 55 | N.D. | | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | | |
| 60) 1,3,5-Trimethylbenzene | 8.61 | 105 | 74 | N.D. | | |
| 61) 1,1,2,2-Tetrachloroethane | 8.36 | 83 | 155 | N.D. | | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | | |
| 63) 2-Chlorotoluene | 8.74 | 91 | 55 | N.D. | | |
| 64) 4-Chlorotoluene | 8.80 | 91 | 195 | N.D. | | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | | |
| 66) 1,2,4-Trimethylbenzene | 9.16 | 105 | 92 | N.D. | | |
| 67) sec-Butylbenzene | 9.31 | 105 | 57 | N.D. | | |
| 68) p-Isopropyltoluene | 9.47 | 119 | 50 | N.D. | | |
| 69) 1,3-Dichlorobenzene | 9.48 | 146 | 143 | N.D. | | |
| 70) 1,4-Dichlorobenzene | 9.48 | 146 | 143 | N.D. | | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 72) 1,2-Dibromo-3-chloropr... | 10.46 | 75 | 78 | 0.115 | ppb # | 6 |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |
| 75) Naphthalene | 0.00 | | 0 | N.D. | | |
| 76) 1,2,3-Trichlorobenzene | 11.85 | 180 | 63 | N.D. | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061416.D
 Acq Dn : 14 Jun 2023 12:57 pm
 Operator : LM
 Sample : 306191-01
 Misc : water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 14 13:06:26 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061424.D
 Acq On : 14 Jun 2023 04:09 pm
 Operator : LM
 Sample : 306191-02
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

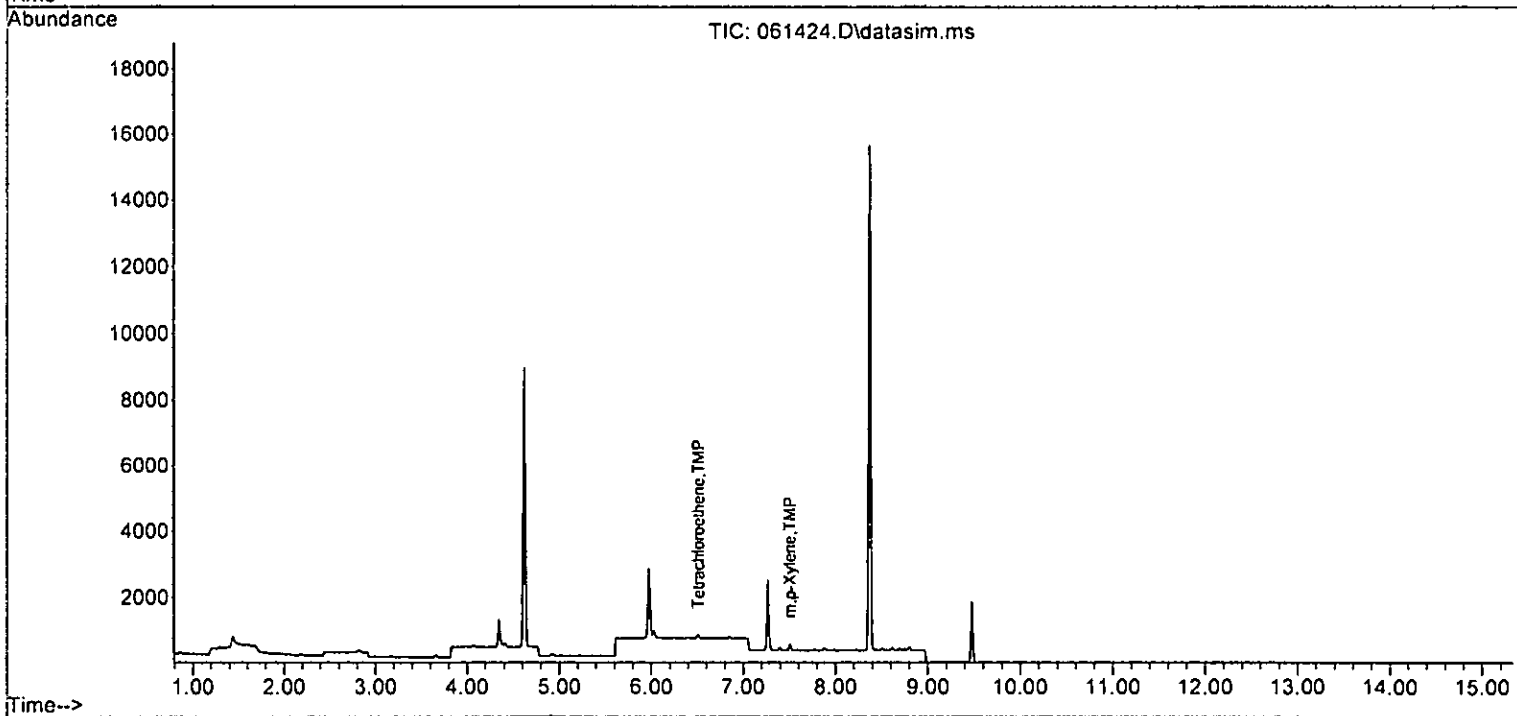
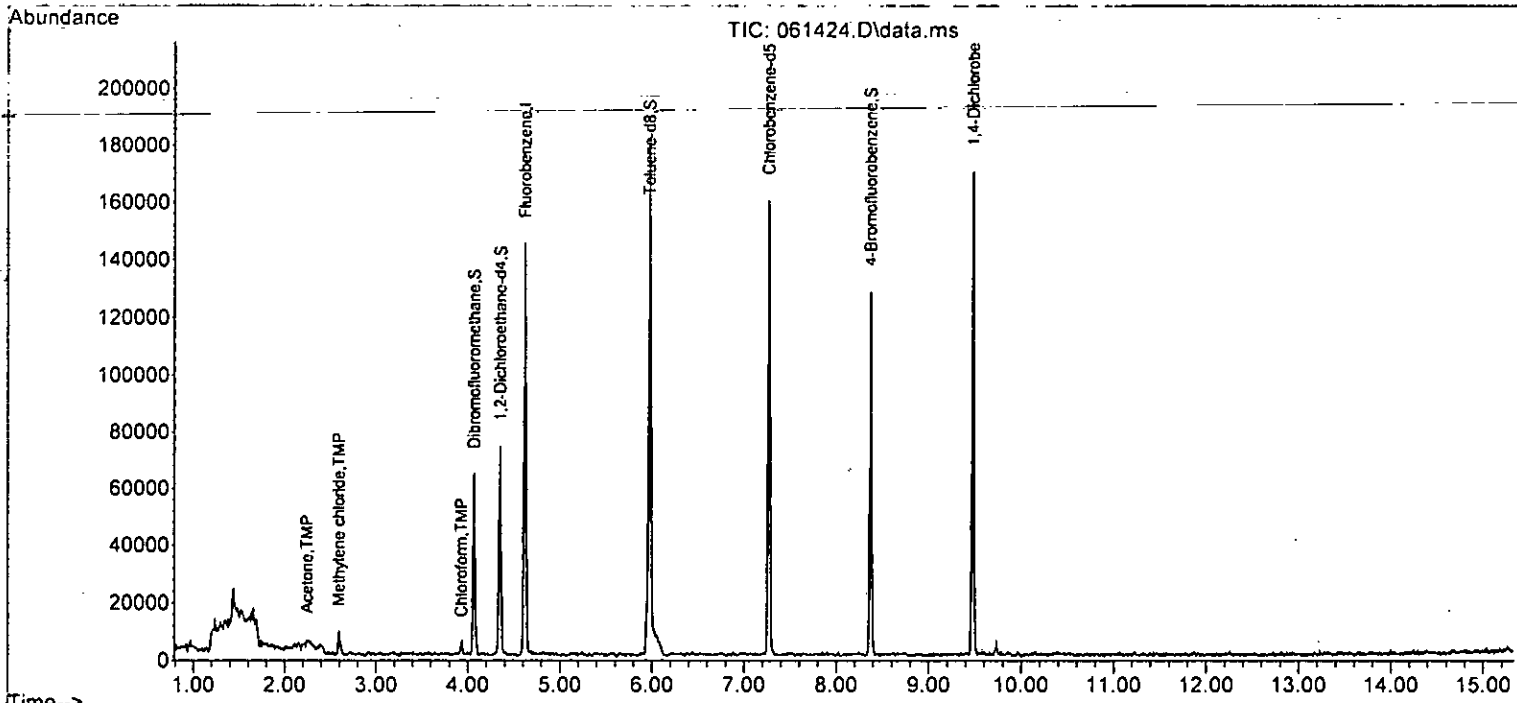
Quant Time: Jun 15 08:59:24 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

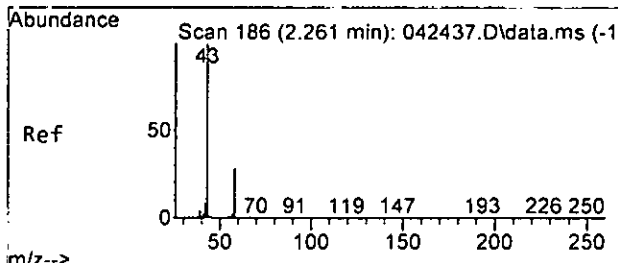
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 89824 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 64581 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32747 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 25667 | 10.078 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.80% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5715 | 10.361 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 103.60% | |
| 35) Toluene-d8 | 5.97 | 98 | 84999 | 9.684 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 96.80% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33835 | 11.106 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 111.10% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Acetone | 2.25 | 58 | 680 | 1.307 | ppb | 91 |
| 14) Methylene chloride | 2.59 | 84 | 2673 | 0.958 | ppb # | 69 |
| 23) Chloroform | 3.93 | 83 | 2512 | 0.465 | ppb | 87 |
| 45] Tetrachloroethene | 6.51 | 164 | 53 | 0.013 | ppb | 90 |
| 51] m,p-Xylene | 7.50 | 106 | 79 | 0.017 | ppb | 93 |
| ----- | | | | | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061424.D
 Acq On : 14 Jun 2023 04:09 pm
 Operator : LM
 Sample : 306191-02
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

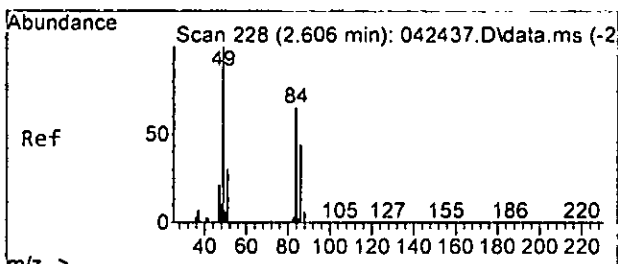
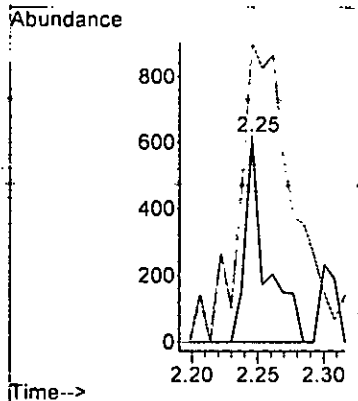
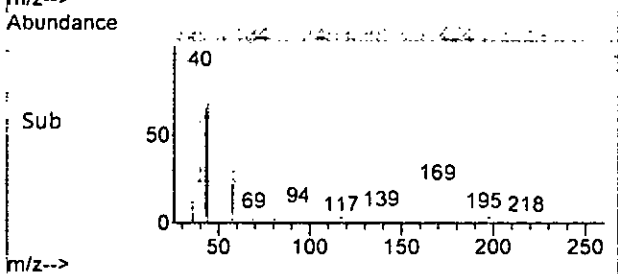
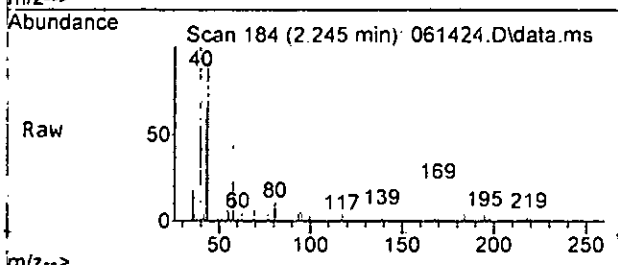
Quant Time: Jun 15 08:59:24 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





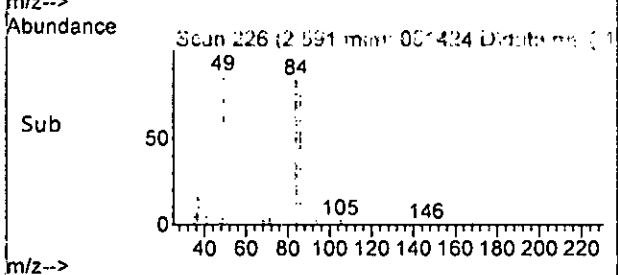
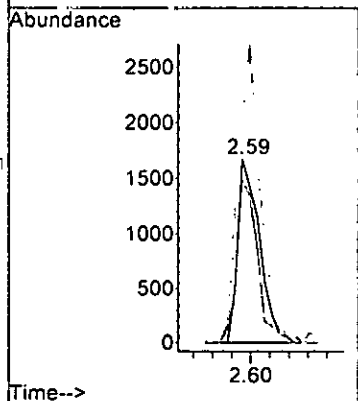
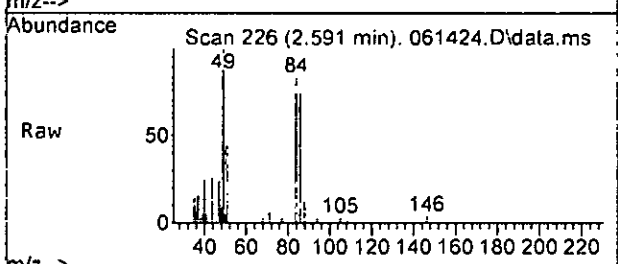
#11
 Acetone
 Concen: 1.307 ppb
 RT: 2.25 min Scan# 184
 Delta R.T. -0.016 min
 Lab File: 061424.D
 Acq: 14 Jun 2023 04:09 pm

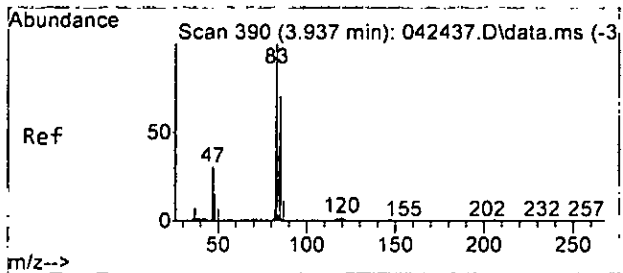
Tgt Ion: 58 Resp: 680
 Ion Ratio Lower Upper
 58 100
 43 370.1 360.4 420.4



#14
 Methylene chloride
 Concen: 0.958 ppb
 RT: 2.59 min Scan# 226
 Delta R.T. -0.015 min
 Lab File: 061424.D
 Acq: 14 Jun 2023 04:09 pm

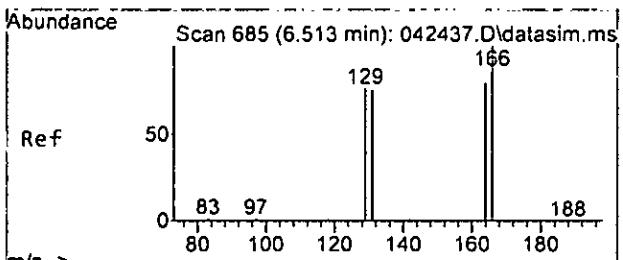
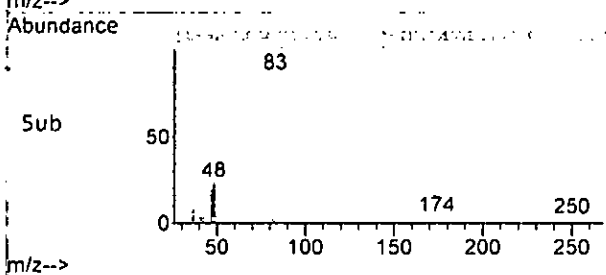
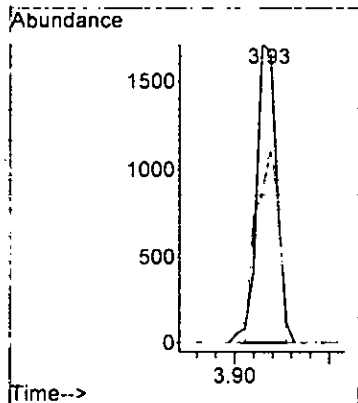
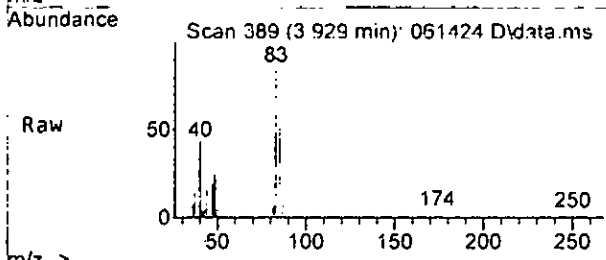
Tgt Ion: 84 Resp: 2673
 Ion Ratio Lower Upper
 84 100
 86 89.0 41.4 101.4
 49 119.4 137.3 197.3#





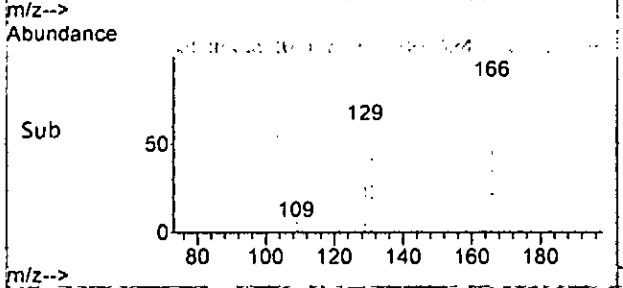
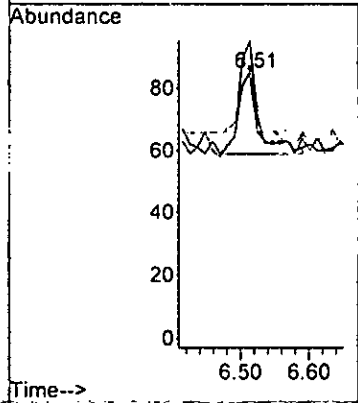
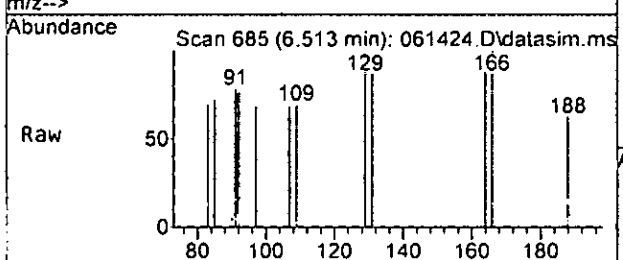
#23
 Chloroform
 Concen: 0.465 ppb
 RT: 3.93 min Scan# 389
 Delta R.T. -0.008 min
 Lab File: 061424.D
 Acq: 14 Jun 2023 04:09 pm

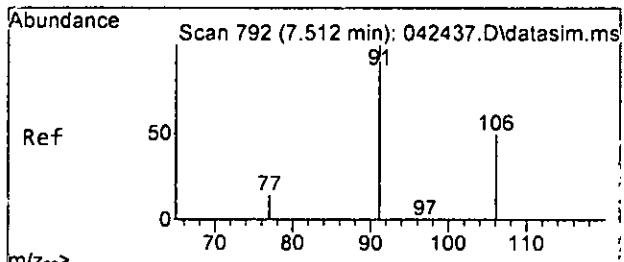
Tgt Ion: 83 Resp: 2512
 Ion Ratio Lower Upper
 83 100
 85 50.2 29.7 89.7



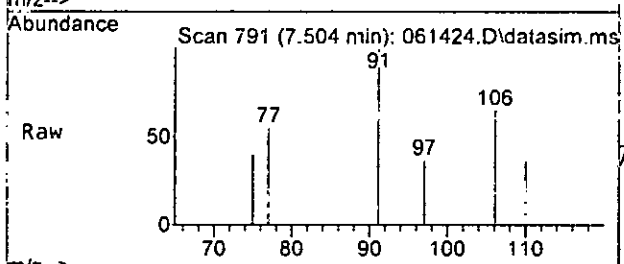
#45
 Tetrachloroethene
 Concen: 0.013 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 061424.D
 Acq: 14 Jun 2023 04:09 pm

Tgt Ion: 164 Resp: 53
 Ion Ratio Lower Upper
 164 100
 129 84.6 64.7 124.7
 131 88.5 63.9 123.9
 166 142.3 98.3 158.3

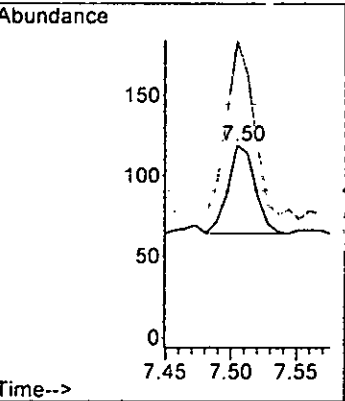
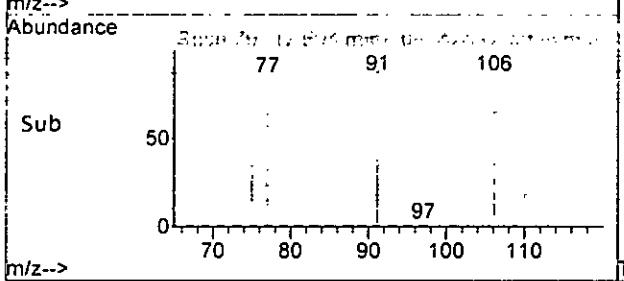




#51
 m,p-Xylene
 Concen: 0.017 ppb
 RT: 7.50 min Scan# 791
 Delta R.T. -0.008 min
 Lab File: 061424.D
 Acq: 14 Jun 2023 04:09 pm



Tgt Ion: 106 Resp: 79
 Ion Ratio Lower Upper
 106 100
 91 196.4 177.1 237.1



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061424.D
 Acq On : 14 Jun 2023 04:09 pm
 Operator : LM
 Sample : 306191-02
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:24 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|----------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 89824 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 64581 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32747 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 25667 | 10.078 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.80% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5715 | 10.361 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 103.60% | | |
| 35) Toluene-d8 | 5.97 | 98 | 84999 | 9.684 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 96.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 33835 | 11.106 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 111.10% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.88 | 45 | 255 | No Calib | | | Qvalue # |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 143 | N.D. | | | |
| 5) Chloromethane | 1.22 | 50 | 2762 | N.D. | | | |
| 6) Vinyl chloride | 1.29 | 62 | 52 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 1.73 | 101 | 114 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 709 | No Calib | | | |
| 11) Acetone | 2.25 | 58 | 680 | 1.307 | ppb | | 91 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 13) Hexane | 3.06 | 57 | 184 | N.D. | | | |
| 14) Methylene chloride | 2.59 | 84 | 2673 | 0.958 | ppb | # | 69 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 3.21 | 45 | 183 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.58 | 77 | 180 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 3.93 | 83 | 2512 | 0.465 | ppb | | 87 |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. d | | | |
| 25) t-Amyl methyl ether (T...) | 4.39 | 73 | 70 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.41 | 62 | 133 | N.D. | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 4.23 | 75 | 61 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 4.38 | 78 | 101 | N.D. | | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. | | | |
| 33) 1,2-Dichloropropane | 5.22 | 63 | 76 | N.D. | | | |
| 34) Bromodichloromethane | 5.38 | 83 | 75 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061424.D
 Acq On : 14 Jun 2023 04:09 pm
 Operator : LM
 Sample : 306191-02
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

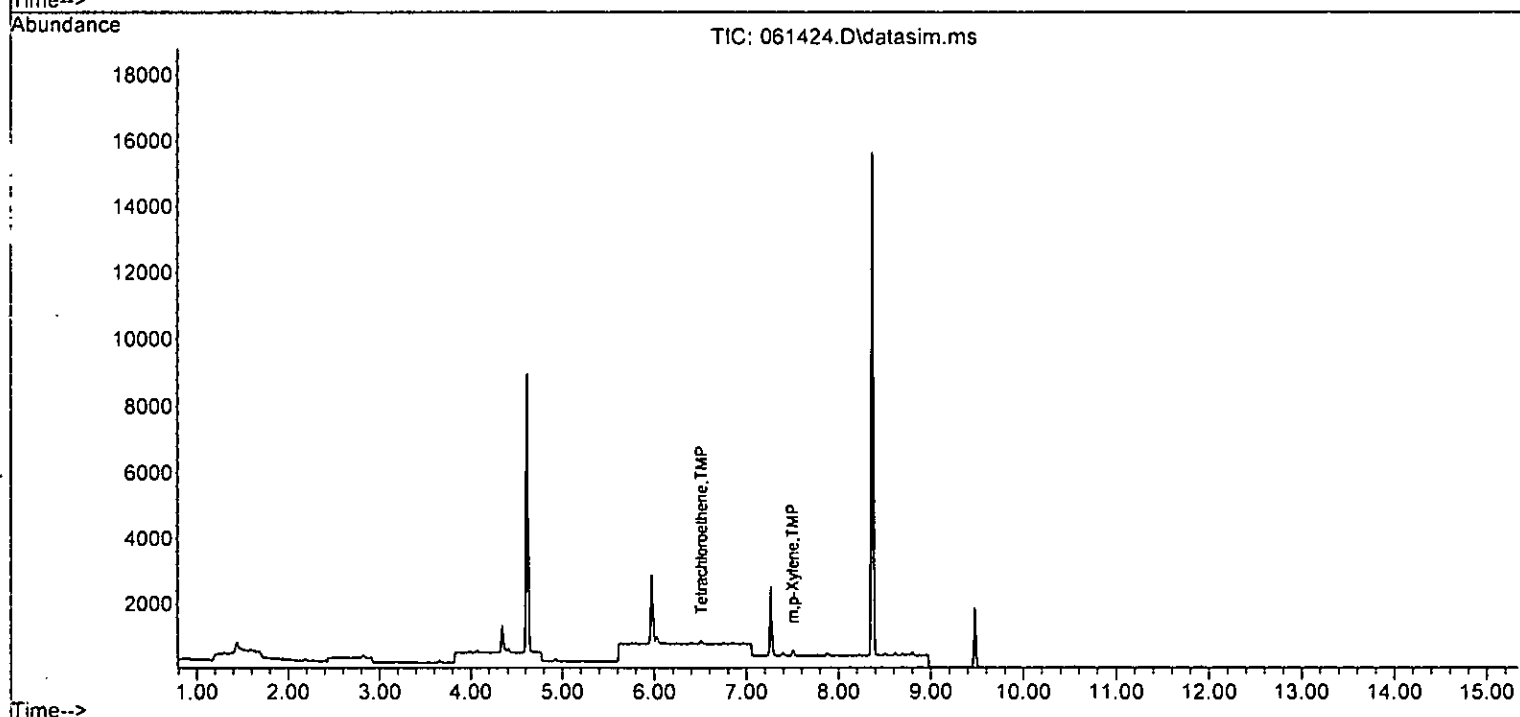
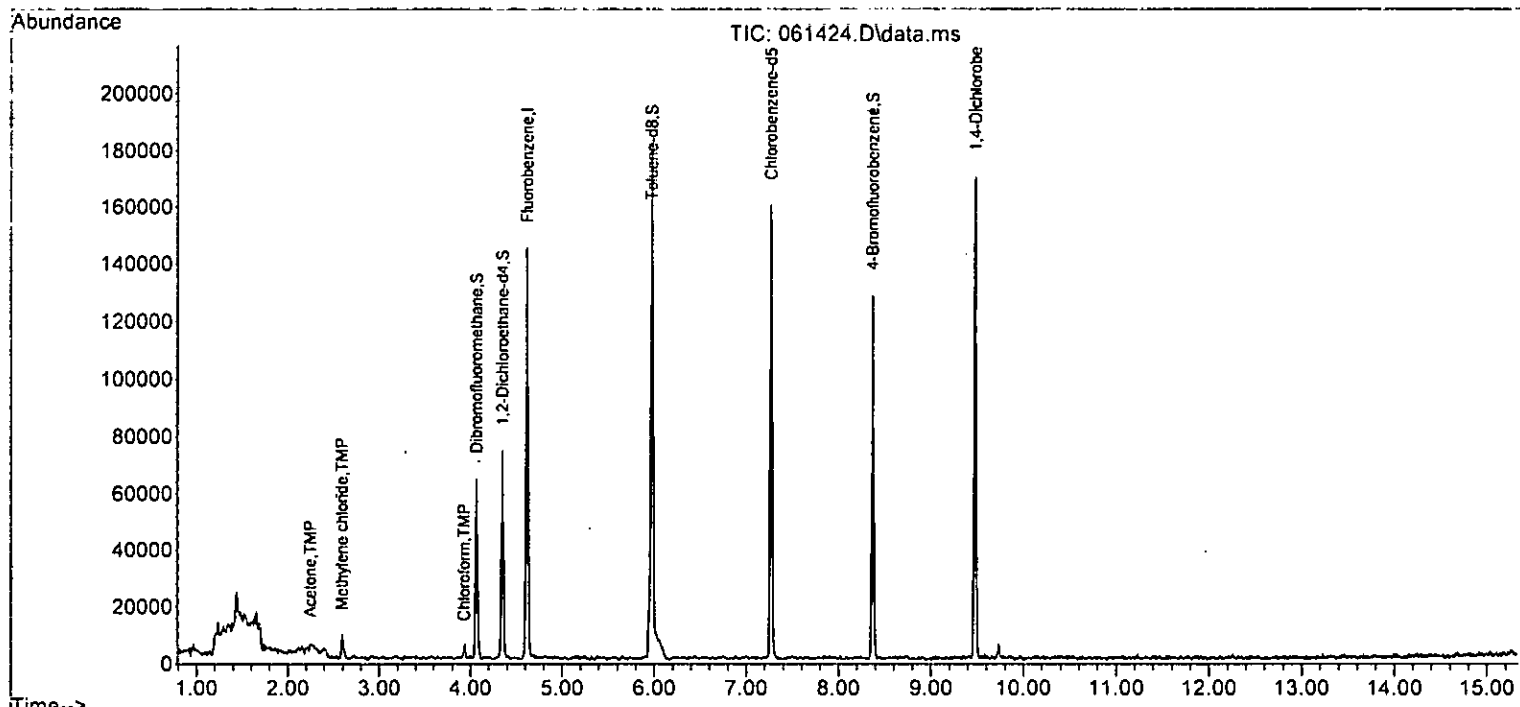
Quant Time: Jun 15 08:59:24 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.03 | 92 | 121 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 6.39 | 75 | 82 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.62 | 43 | 113 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.51 | 164 | 53 | 0.013 | ppb | 90 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.39 | 91 | 88 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.50 | 106 | 79 | 0.017 | ppb | 93 |
| 52) o-Xylene | 0.00 | | 0 | | N.D. | |
| 53) Styrene | 7.90 | 104 | 113 | | N.D. | |
| 54) Isopropylbenzene | 8.23 | 105 | 152 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.62 | 91 | 71 | | N.D. | |
| 59) Bromobenzene | 8.56 | 156 | 78 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 8.58 | 83 | 69 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.68 | 91 | 90 | | N.D. | |
| 64) 4-Chlorotoluene | 8.87 | 91 | 260 | | N.D. | |
| 65) tert-Butylbenzene | 9.09 | 119 | 105 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.27 | 105 | 81 | | N.D. | |
| 67) sec-Butylbenzene | 9.31 | 105 | 159 | | N.D. | |
| 68) p-Isopropyltoluene | 9.46 | 119 | 91 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 50 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.42 | 146 | 50 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 104 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. d | |
| 73) 1,2,4-Trichlorobenzene | 11.44 | 180 | 117 | | N.D. | |
| 74) Hexachlorobutadiene | 11.68 | 225 | 50 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 51 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 11.92 | 180 | 96 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
Data File : 061424.D
Acq On : 14 Jun 2023 04:09 pm
Operator : LM
Sample : 306191-02
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Jun 15 08:59:24 2023
Quant Method : Y:\Methods\Inst11\050923vms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed May 10 11:06:40 2023
Response via : Initial Calibration
DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061412.D
 Acq On : 14 Jun 2023 11:27 am
 Operator : LM
 Sample : 306191-03
 Misc : water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

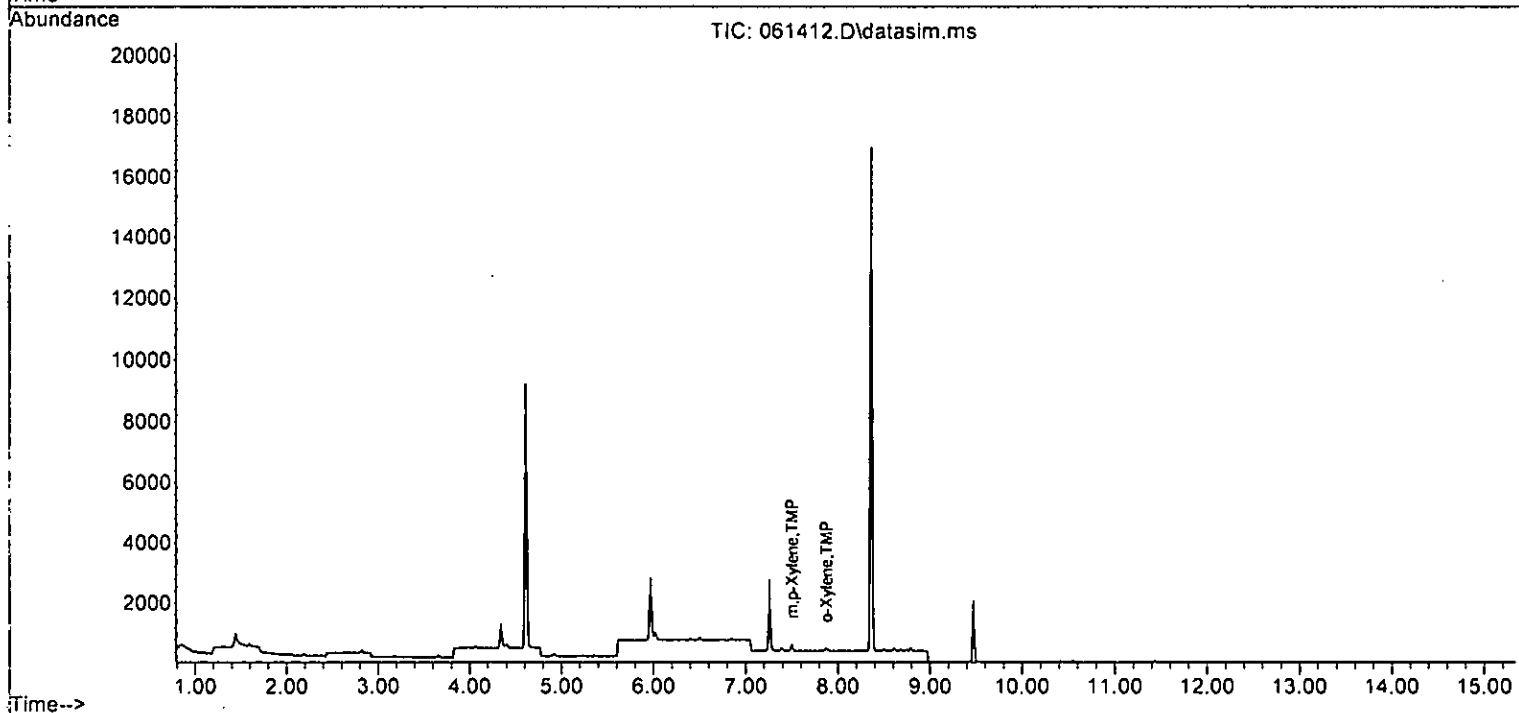
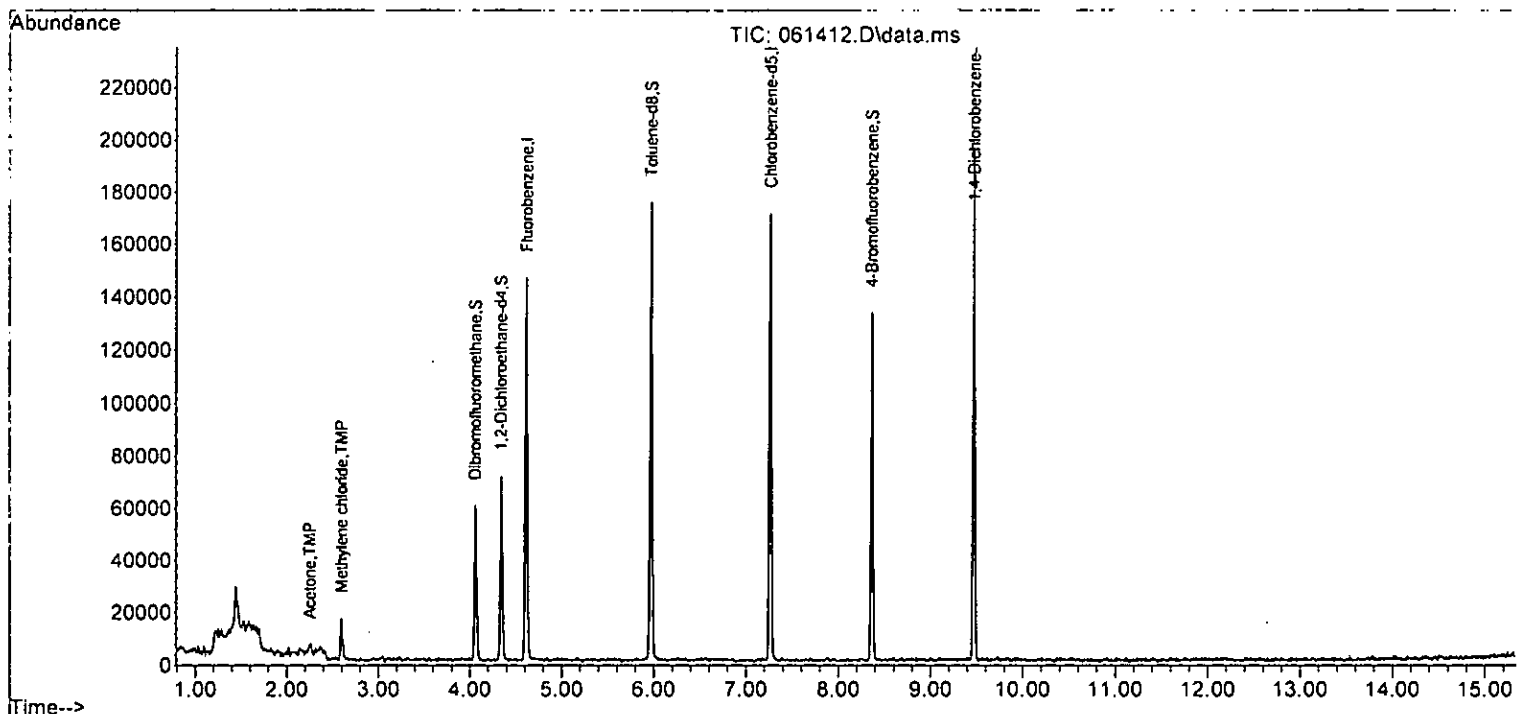
Quant Time: Jun 14 12:02:53 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

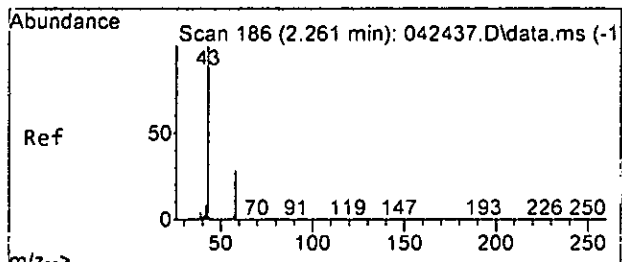
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 93269 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 67346 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 37078 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.06 | 113 | 27409 | 10.365 | ppb | -0.02 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.60% | |
| 30) 1,2-Dichloroethane-d4 | 4.34 | 102 | 5779 | 10.090 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 100.90% | |
| 35) Toluene-d8 | 5.97 | 98 | 90085 | 9.884 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 98.80% | |
| 57) 4-Bromofluorobenzene | 8.36 | 95 | 33169 | 9.616 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 96.20% | |
| Target Compounds | | | | | | |
| 11) Acetone | 2.25 | 58 | 772 | 1.430 | ppb # | 73 |
| 14) Methylene chloride | 2.60 | 84 | 4763 | 1.645 | ppb | 91 |
| 51] m,p-Xylene | 7.50 | 106 | 102 | 0.021 | ppb | 91 |
| 52] o-Xylene | 7.88 | 106 | 53 | 0.011 | ppb # | 72 |
| ----- | | | | | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061412.D
 Acq On : 14 Jun 2023 11:27 am
 Operator : LM
 Sample : 306191-03
 Misc : water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

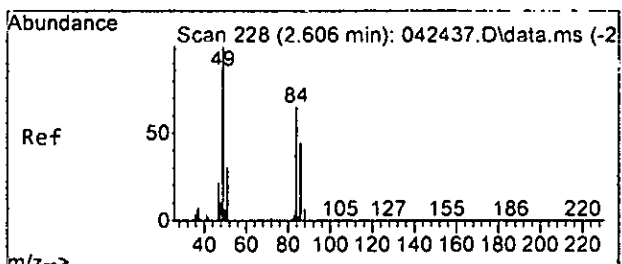
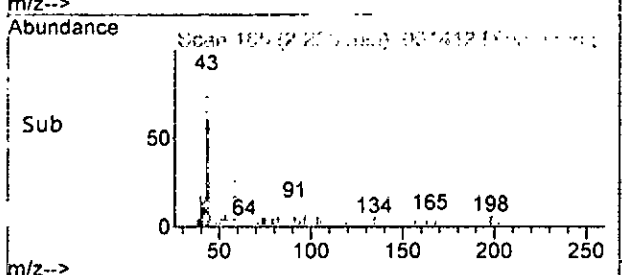
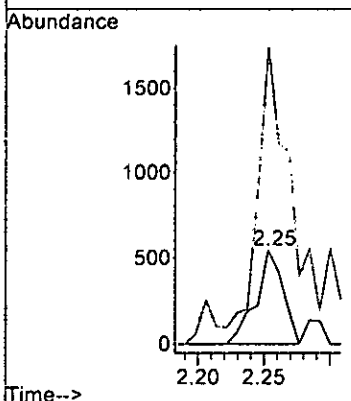
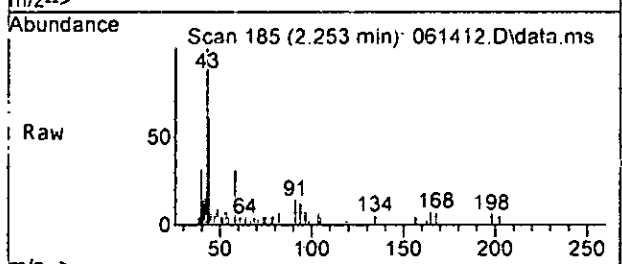
Quant Time: Jun 14 12:02:53 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





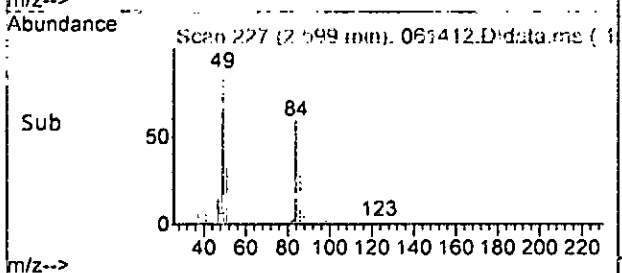
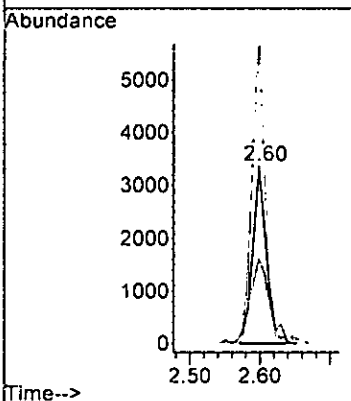
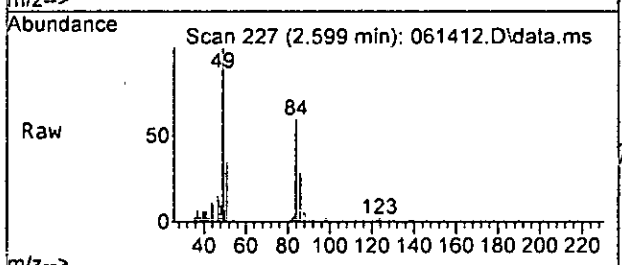
#11
 Acetone
 Concen: 1.430 ppb
 RT: 2.25 min Scan# 185
 Delta R.T. -0.008 min
 Lab File: 061412.D
 Acq: 14 Jun 2023 11:27 am

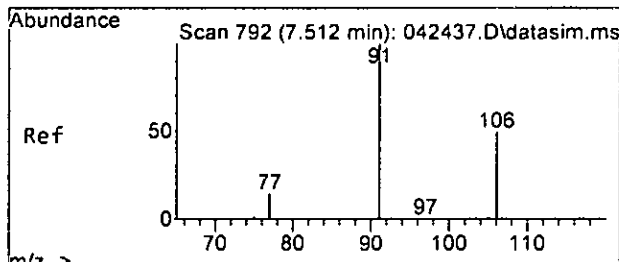
Tgt Ion: 58 Resp: 772
 Ion Ratio Lower Upper
 58 100
 43 453.4 360.4 420.4#



#14
 Methylene chloride
 Concen: 1.645 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061412.D
 Acq: 14 Jun 2023 11:27 am

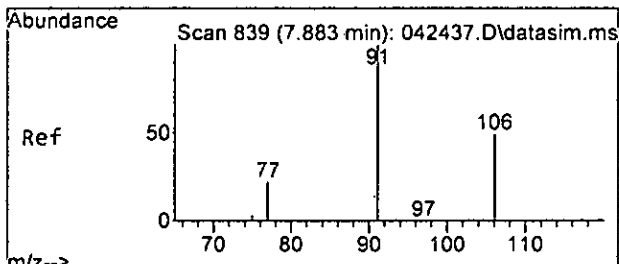
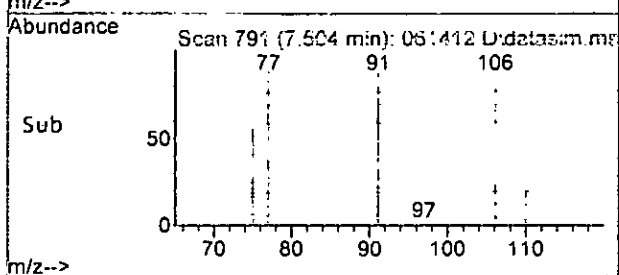
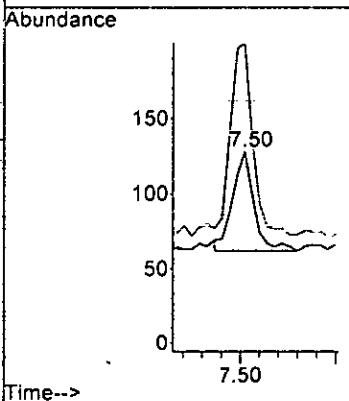
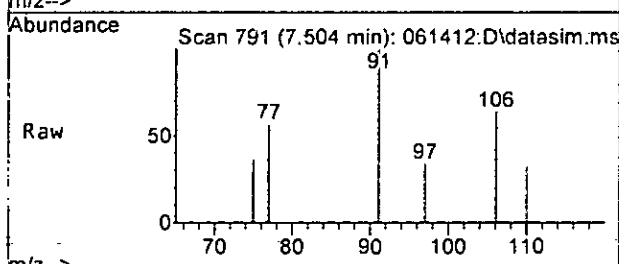
Tgt Ion: 84 Resp: 4763
 Ion Ratio Lower Upper
 84 100
 86 47.8 41.4 101.4
 49 169.1 137.3 197.3





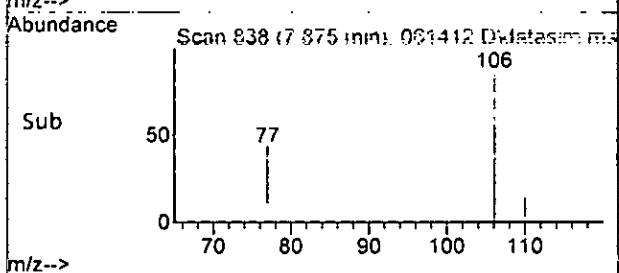
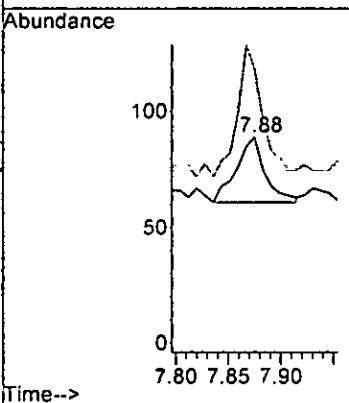
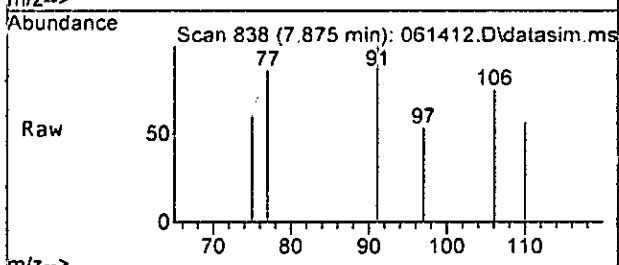
#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.50 min Scan# 791
 Delta R.T. -0.008 min
 Lab File: 061412.D
 Acq: 14 Jun 2023 11:27 am

Tgt Ion:106 Resp: 102
 Ion Ratio Lower Upper
 106 100
 91 192.4 177.1 237.1



#52
 o-Xylene
 Concen: 0.011 ppb
 RT: 7.88 min Scan# 838
 Delta R.T. -0.008 min
 Lab File: 061412.D
 Acq: 14 Jun 2023 11:27 am

Tgt Ion:106 Resp: 53
 Ion Ratio Lower Upper
 106 100
 91 164.3 177.0 237.0#



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061412.D
 Acq On : 14 Jun 2023 11:27 am
 Operator : LM
 Sample : 306191-03
 Misc : water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun '14 12:02:53 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|--------|----------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 93269 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 67346 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 37078 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.06 | 113 | 27409 | 10.365 | ppb | -0.02 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.60% | | |
| 30) 1,2-Dichloroethane-d4 | 4.34 | 102 | 5779 | 10.090 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 100.90% | | |
| 35) Toluene-d8 | 5.97 | 98 | 90085 | 9.884 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 98.80% | | |
| 57) 4-Bromofluorobenzene | 8.36 | 95 | 33169 | 9.616 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 96.20% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | | |
| 5) Chloromethane | 1.23 | 50 | 1308 | | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | | |
| 7) Bromomethane | 1.54 | 94 | 493 | | N.D. | | |
| 8) Chloroethane | 1.60 | 64 | 94 | | N.D. | | |
| 9) Trichlorofluoromethane | 1.75 | 101 | 200 | | N.D. | | |
| 10) 2-Propanol | 2.39 | 45 | 533 | | No Calib | | |
| 11) Acetone | 2.25 | 58 | 772 | 1.430 | ppb | # | 73 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 13) Hexane | 3.05 | 57 | 294 | | N.D. | | |
| 14) Methylene chloride | 2.60 | 84 | 4763 | 1.645 | ppb | | 91 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | d | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 18) Diisopropyl ether (DIPE) | 3.24 | 45 | 81 | | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 3.57 | 87 | 103 | | N.D. | | |
| 21) 2,2-Dichloropropane | 3.68 | 77 | 68 | | N.D. | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 23) Chloroform | 0.00 | | 0 | | N.D. | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | d | |
| 25) t-Amyl methyl ether (T...) | 4.37 | 73 | 78 | | N.D. | | |
| 26) 1,2-Dichloroethane (EDC) | 4.40 | 62 | 143 | | N.D. | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | | |
| 29) Carbon tetrachloride | 4.12 | 117 | 120 | | N.D. | | |
| 31) Benzene | 4.38 | 78 | 107 | | N.D. | | |
| 32) Trichloroethene | 0.00 | | 0 | | N.D. | | |
| 33) 1,2-Dichloropropane | 5.04 | 63 | 114 | | N.D. | | |
| 34) Bromodichloromethane | 5.34 | 83 | 88 | | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061412.D
 Acq On : 14 Jun 2023 11:27 am
 Operator : LM
 Sample : 306191-03
 Misc : water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

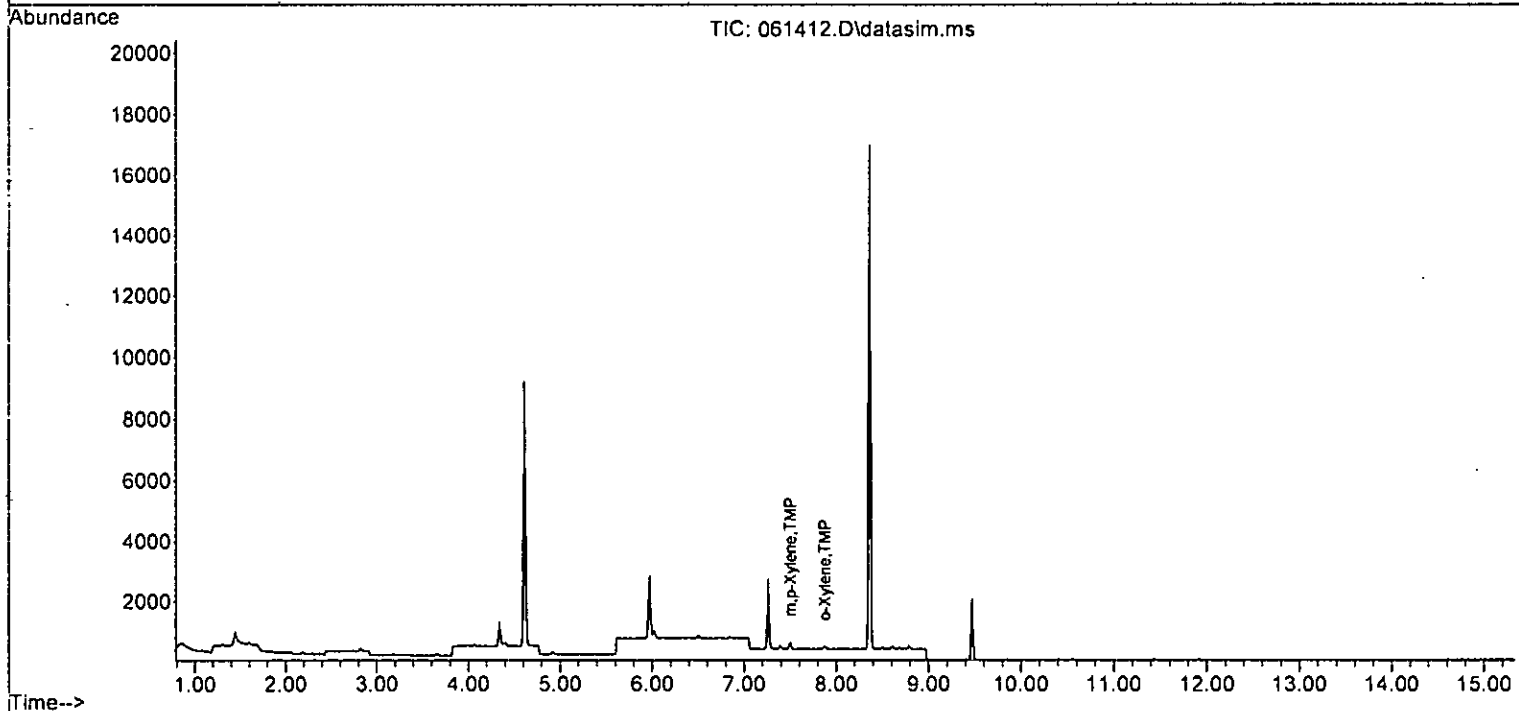
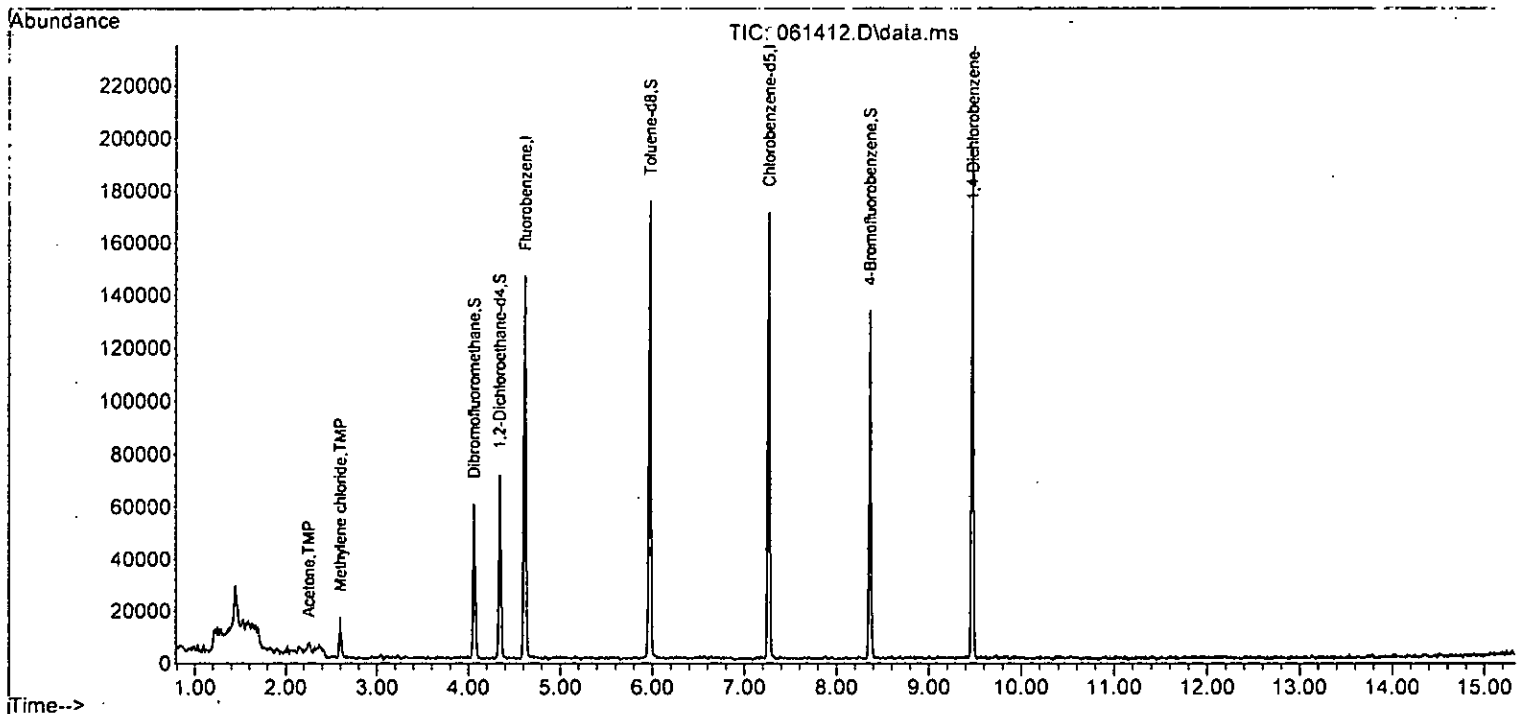
Quant Time: Jun 14 12:02:53 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.02 | 92 | 128 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. | d |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45) Tetrachloroethene | 0.00 | | 0 | | N.D. | |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.39 | 91 | 107 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 7.38 | 131 | 75 | | N.D. | |
| 51] m,p-Xylene | 7.50 | 106 | 102 | 0.021 | ppb | 91 |
| 52] o-Xylene | 7.88 | 106 | 53 | 0.011 | ppb # | 72 |
| 53) Styrene | 7.90 | 104 | 81 | | N.D. | |
| 54) Isopropylbenzene | 8.22 | 105 | 135 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.61 | 91 | 212 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.80 | 91 | 258 | | N.D. | |
| 64) 4-Chlorotoluene | 8.80 | 91 | 258 | | N.D. | |
| 65) tert-Butylbenzene | 8.99 | 119 | 142 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.11 | 105 | 57 | | N.D. | |
| 67) sec-Butylbenzene | 9.30 | 105 | 147 | | N.D. | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.49 | 146 | 208 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.49 | 146 | 208 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 9.71 | 146 | 101 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 10.72 | 75 | 67 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.60 | 128 | 66 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 104 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061412.D
 Acq On : 14 Jun 2023 11:27 am
 Operator : LM
 Sample : 306191-03
 Misc : water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

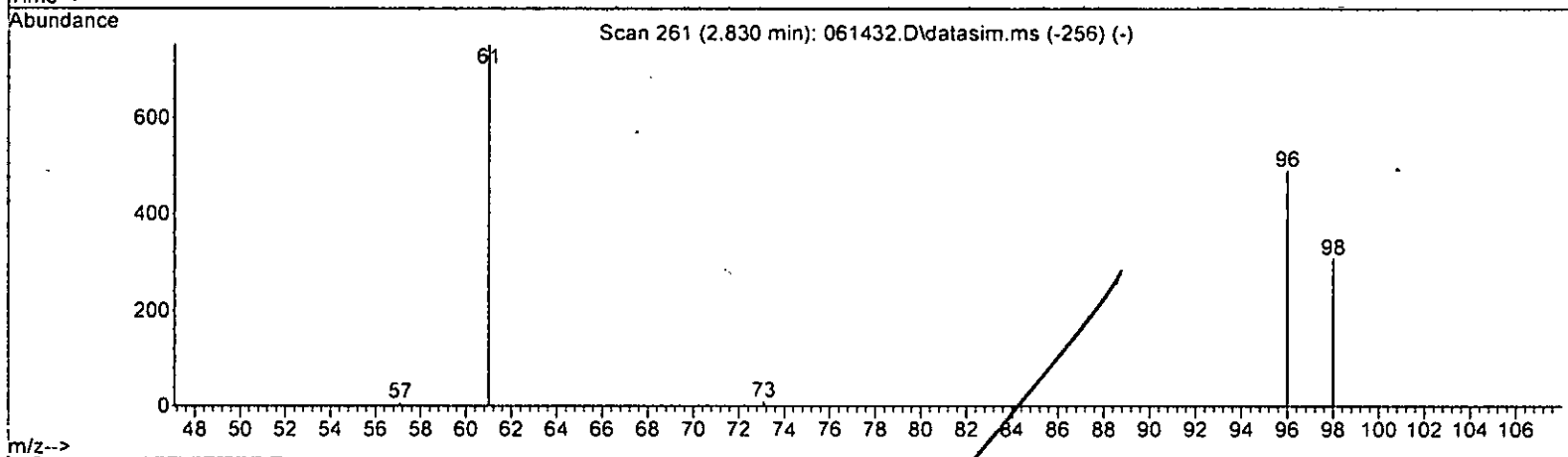
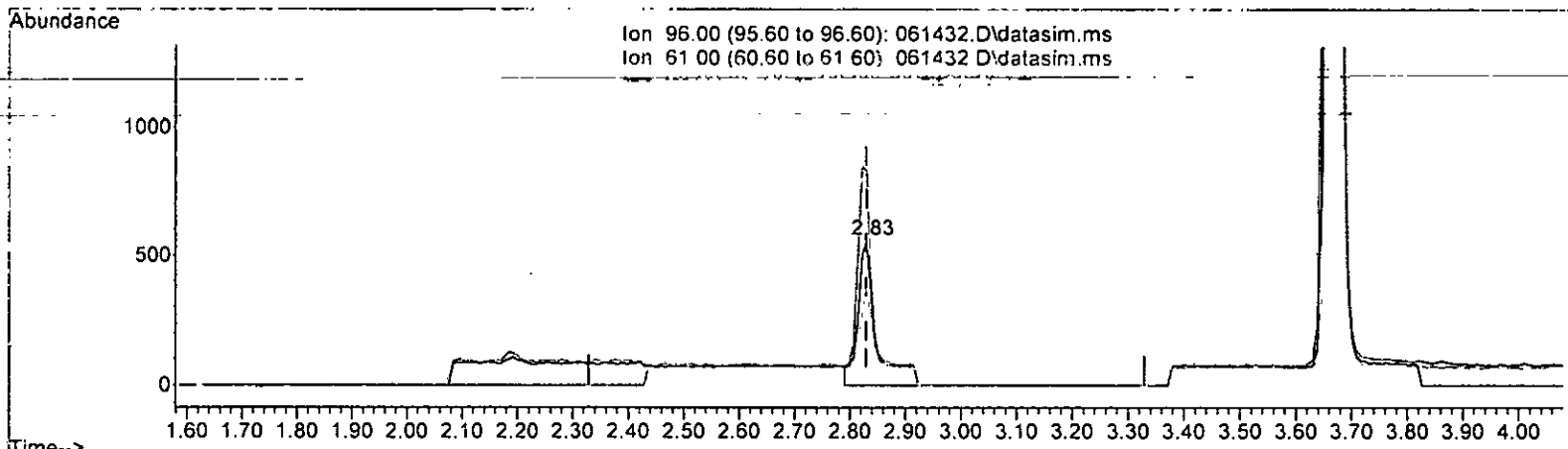
Quant Time: Jun 14 12:02:53 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061432.D\data.ms

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

2.830min (+ 0.001) 0.450 ppb

response 1275

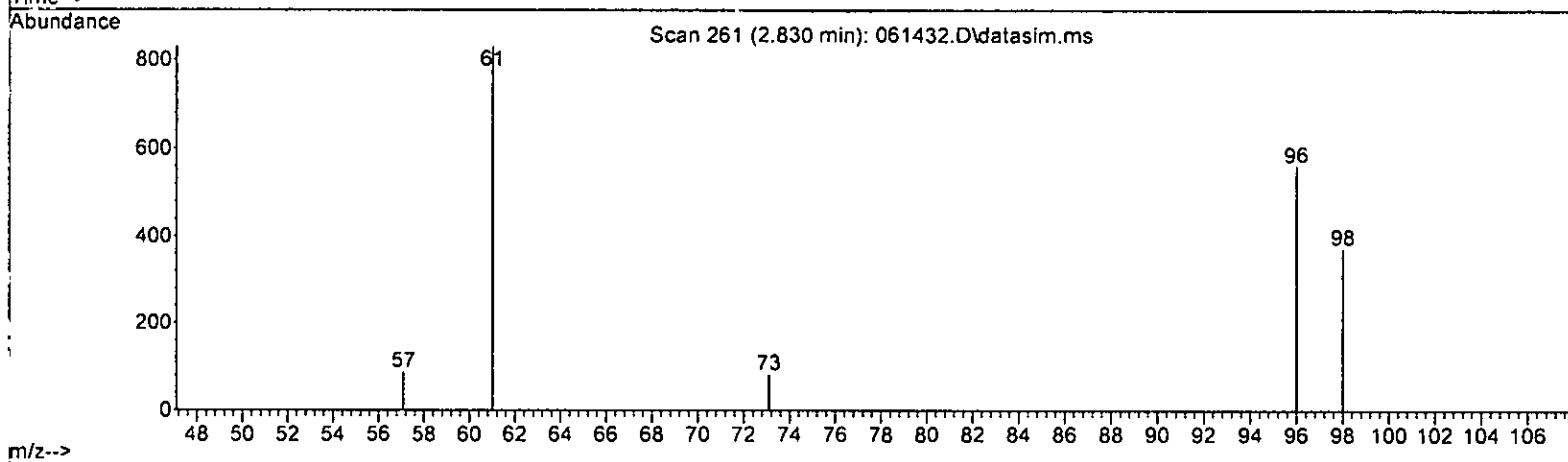
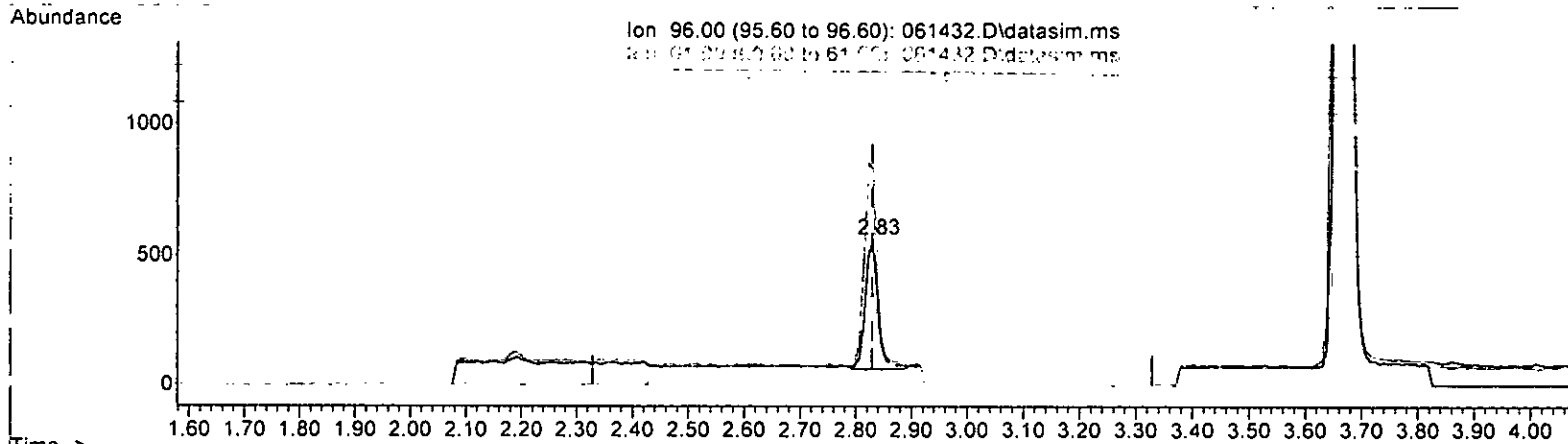
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 148.21 |
| 98.00 | 64.90 | 66.43 |
| 0.00 | 0.00 | 0.00 |

LM 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061432.D\data.ms

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

2.830min (+ 0.001) 0.279 ppb m

response 792

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 148.21 |
| 98.00 | 64.90 | 66.43 |
| 0.00 | 0.00 | 0.00 |

mb/16

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

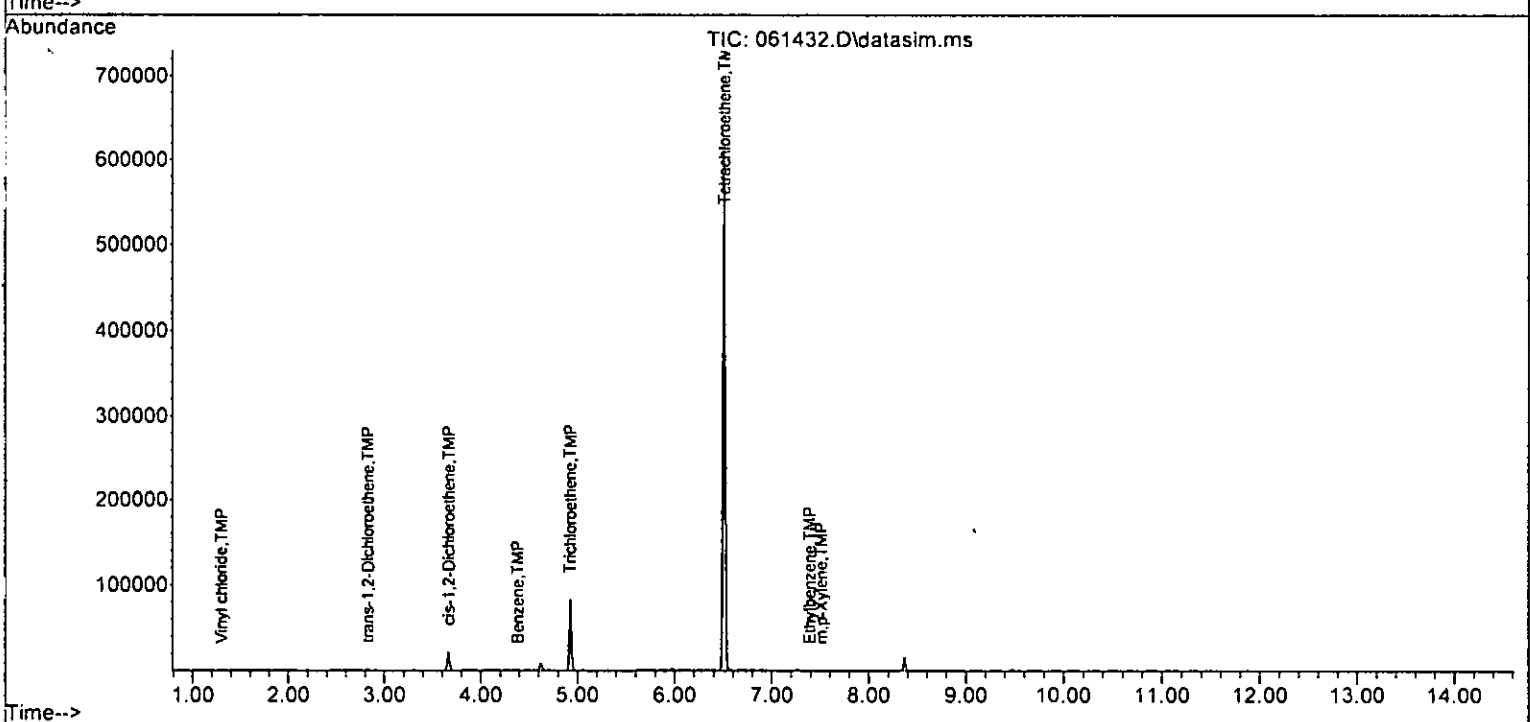
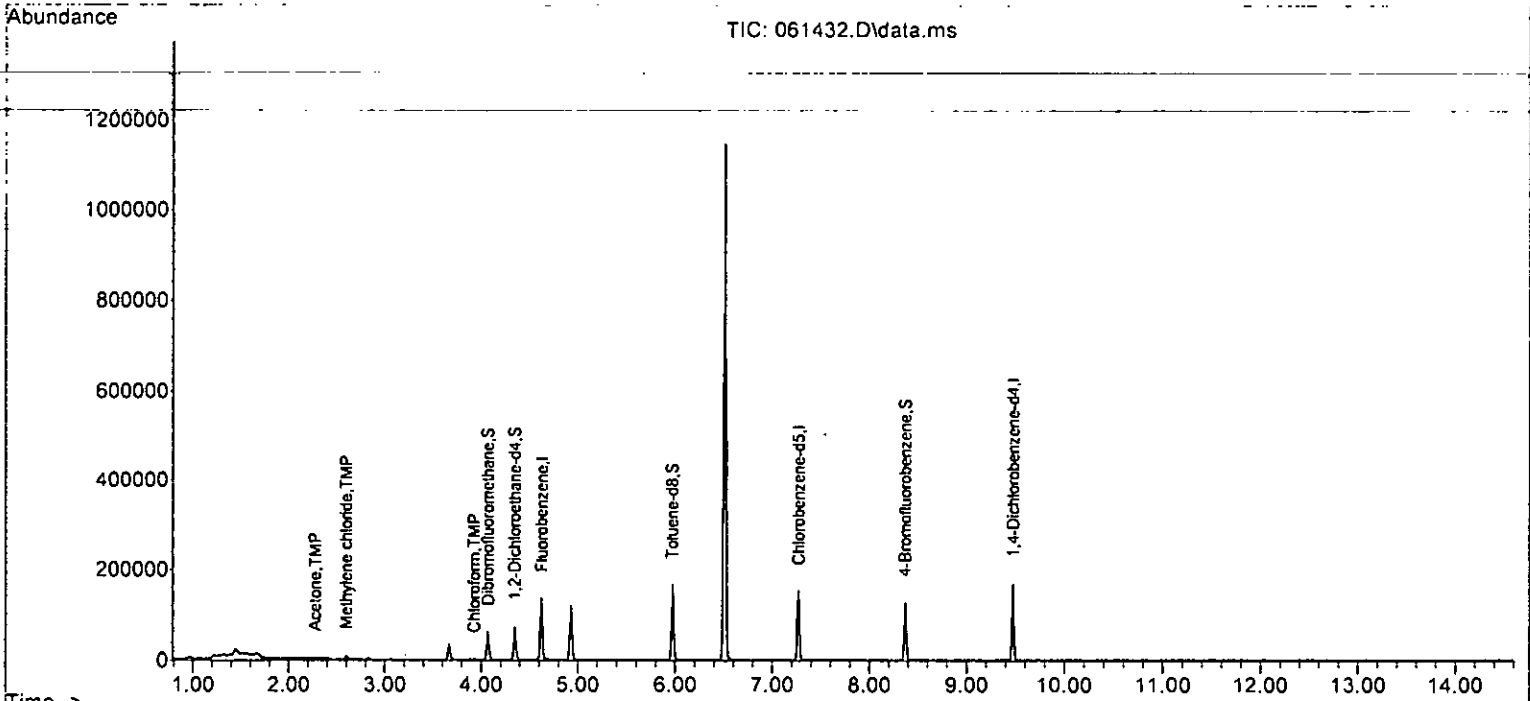
Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

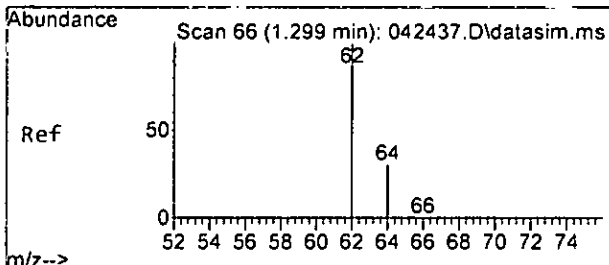
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|-----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 88076 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 64448 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32065 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 27151 | 10.873 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 108.70% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5524 | 10.213 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = 102.10% | | | |
| 35) Toluene-d8 | 5.97 | 98 | 85494 | 9.933 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = 99.30% | | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32740 | 10.976 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = 109.80% | | | |
| Target Compounds | | | | | | | |
| 6] Vinyl chloride | 1.30 | 62 | 92 | 0.011 | ppb | 90 | Qvalue |
| 11) Acetone | 2.28 | 58 | 680 | 1.333 | ppb | 90 | |
| 14) Methylene chloride | 2.60 | 84 | 2837 | 1.037 | ppb | # | 78 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 792m | 0.279 | ppb | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 10751 | 3.520 | ppb | | 89 |
| 23) Chloroform | 3.93 | 83 | 880 | 0.166 | ppb | # | 41 |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 114 | Below Cal | | | 81 |
| 31] Benzene | 4.39 | 78 | 192 | 0.016 | ppb | | 98 |
| 32] Trichloroethene | 4.93 | 95 | 34150 | 11.207 | ppb | | 95 |
| 40] Toluene | 6.03 | 92 | 63 | Below Cal | | | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 207208 | 94.541 | ppb | | 99 |
| 49] Ethylbenzene | 7.39 | 91 | 152 | 0.012 | ppb | | 98 |
| 51] m,p-Xylene | 7.51 | 106 | 62 | 0.013 | ppb | | 84 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

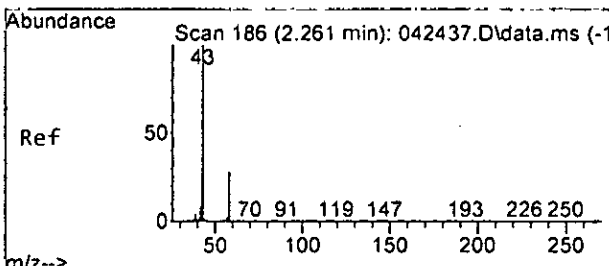
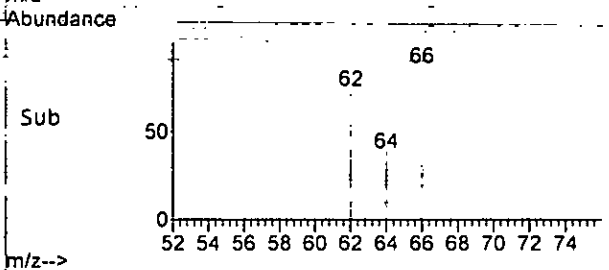
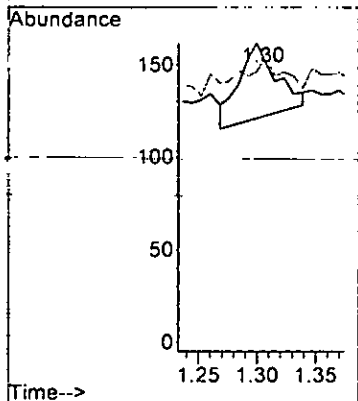
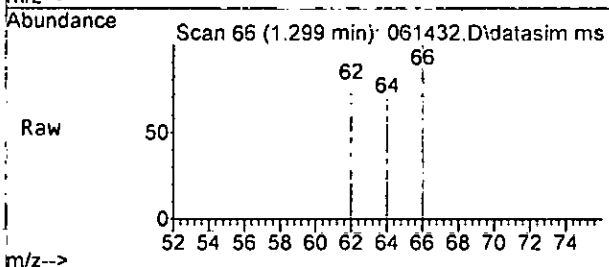
Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





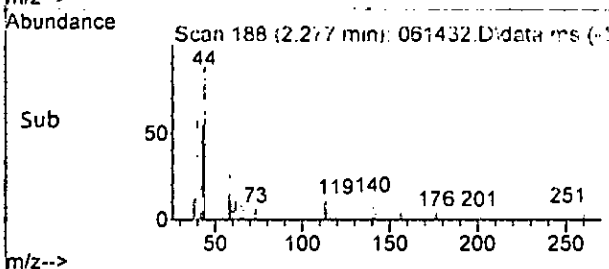
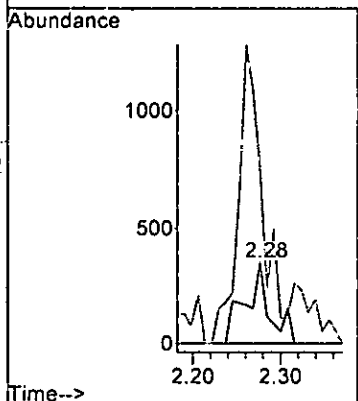
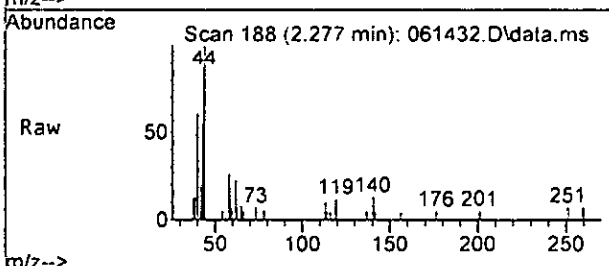
#6
 Vinyl chloride
 Concen: 0.011 ppb
 RT: 1.30 min Scan# 66
 Delta R.T. 0.000 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

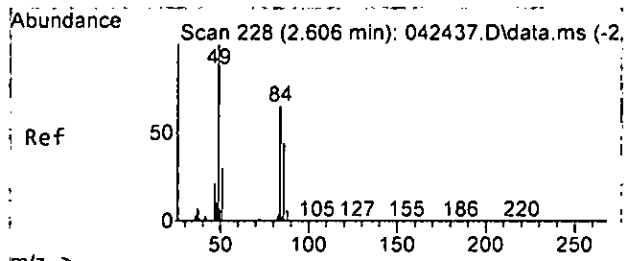
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 26.5 | 1.8 | 61.8 |



#11
 Acetone
 Concen: 1.333 ppb
 RT: 2.28 min Scan# 188
 Delta R.T. 0.016 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

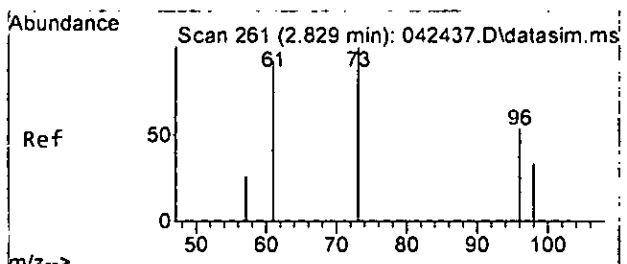
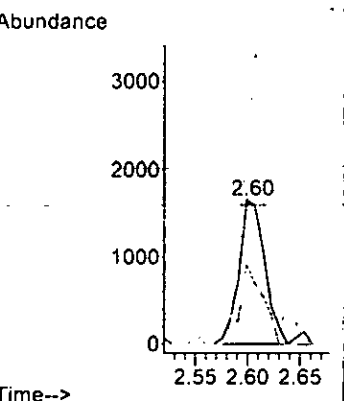
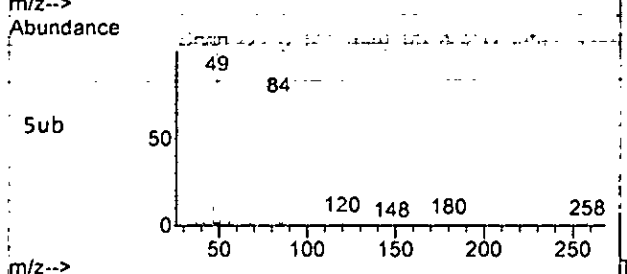
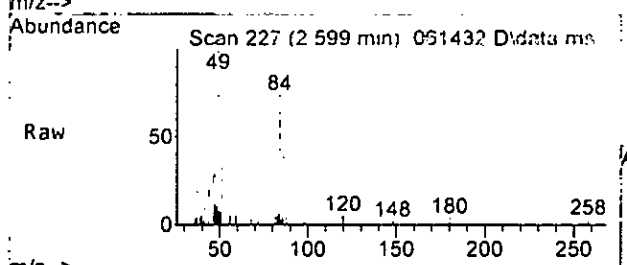
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 58 | 100 | | |
| 43 | 366.8 | 360.4 | 420.4 |





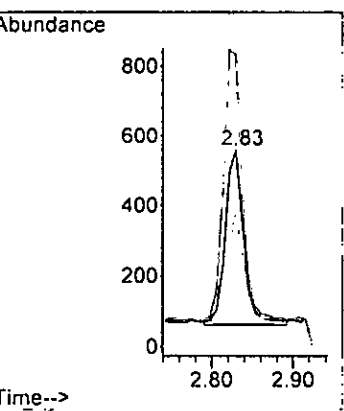
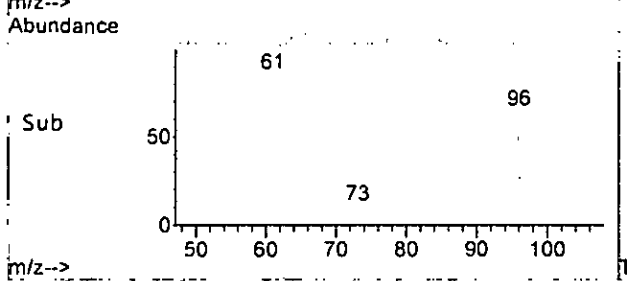
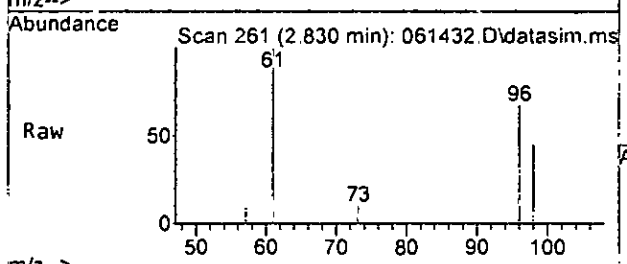
#14
 Methylene chloride
 Concen: 1.037 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

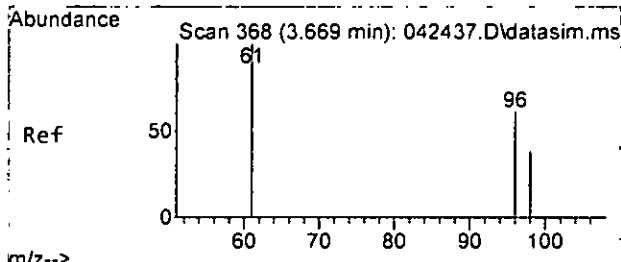
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 100 | | |
| 86 | 55.2 | 41.4 | 101.4 |
| 49 | 136.0 | 137.3 | 197.3# |



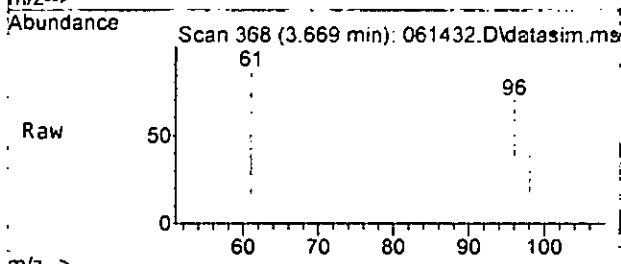
#17
 trans-1,2-Dichloroethene
 Concen: 0.279 ppb m
 RT: 2.83 min Scan# 261
 Delta R.T. 0.001 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 148.2 | 134.1 | 194.1 |
| 98 | 66.4 | 34.9 | 94.9 |

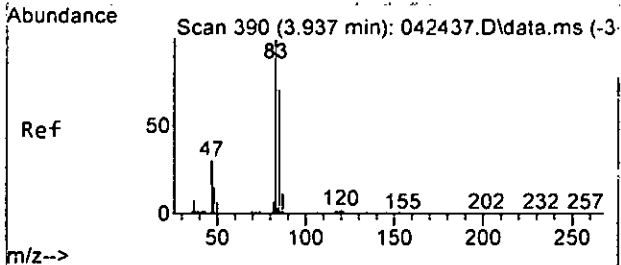
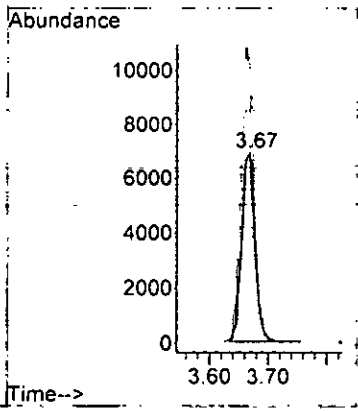
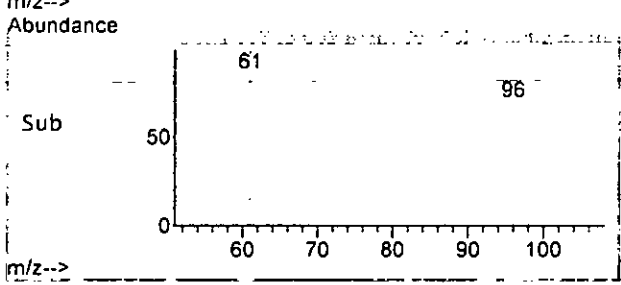




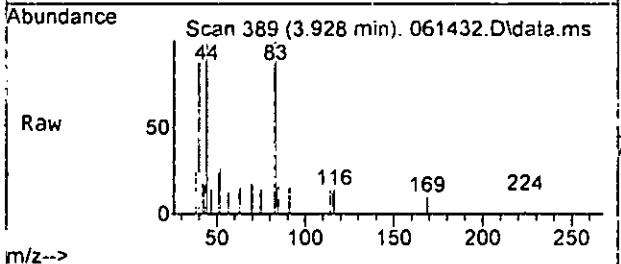
#22
 cis-1,2-Dichloroethene
 Concen: 3.520 ppb
 RT: 3.67 min Scan# 368
 Delta R.T. 0.000 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm



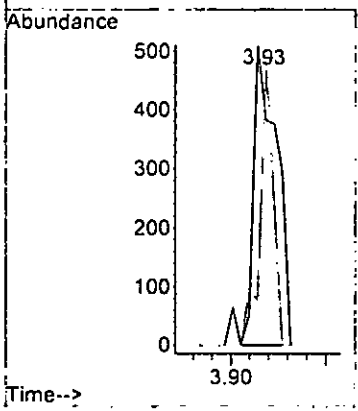
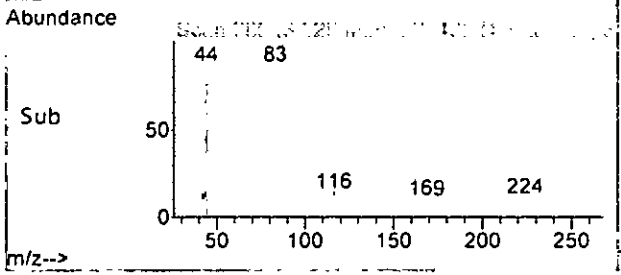
Tgt Ion: 96 Resp: 10751
 Ion Ratio Lower Upper
 96 100
 61 143.1 132.2 192.2
 98 67.4 34.9 94.9

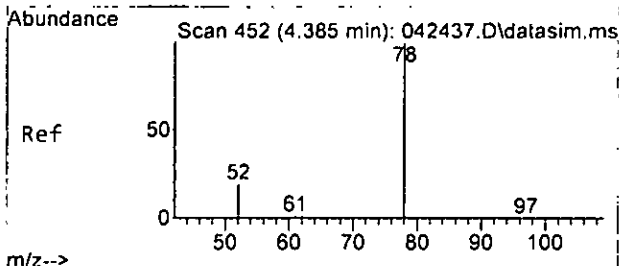


#23
 Chloroform
 Concen: 0.166 ppb
 RT: 3.93 min Scan# 389
 Delta R.T. -0.009 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm



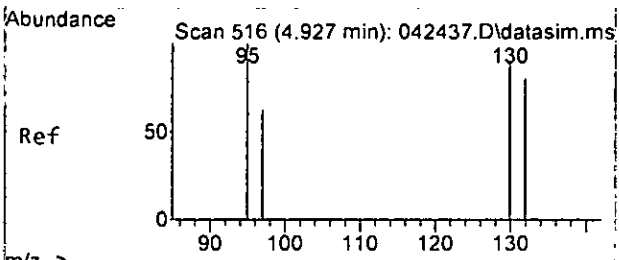
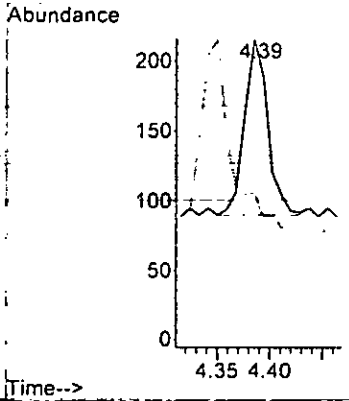
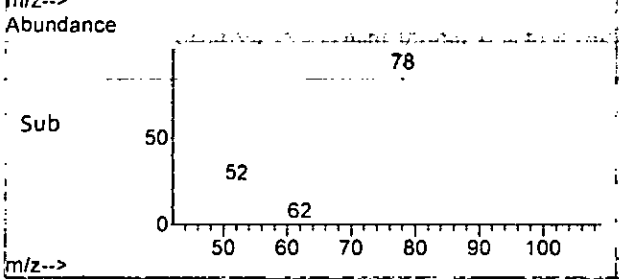
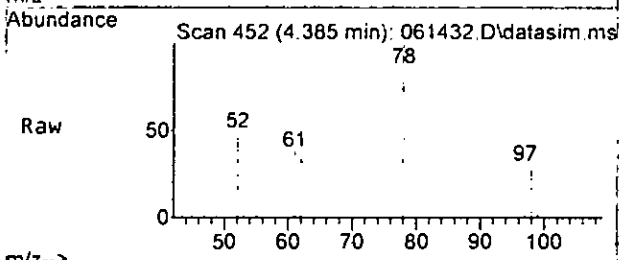
Tgt Ion: 83 Resp: 880
 Ion Ratio Lower Upper
 83 100
 85 15.1 29.7 89.7#





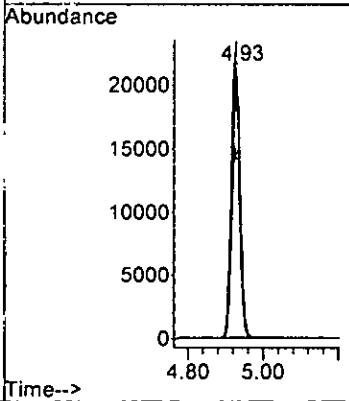
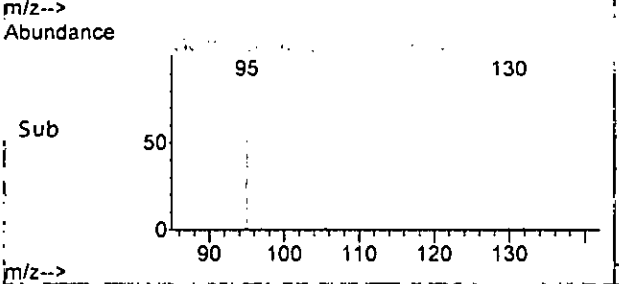
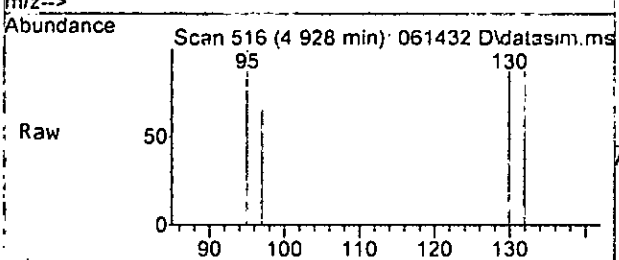
#31
Benzene
Concen: 0.016 ppb
RT: 4.39 min Scan# 452
Delta R.T. 0.000 min
Lab File: 061432.D
Acq: 14 Jun 2023 07:09 pm

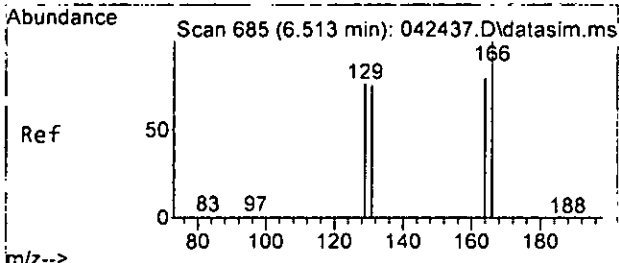
Tgt Ion: 78 Resp: 192
Ion Ratio Lower Upper
78 100
52 18.3 0.0 49.1



#32
Trichloroethene
Concen: 11.207 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.001 min
Lab File: 061432.D
Acq: 14 Jun 2023 07:09 pm

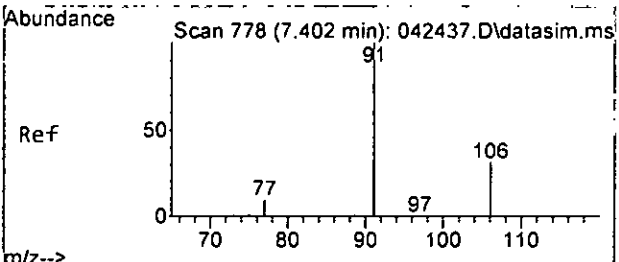
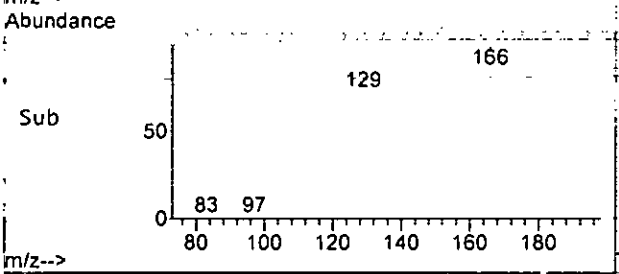
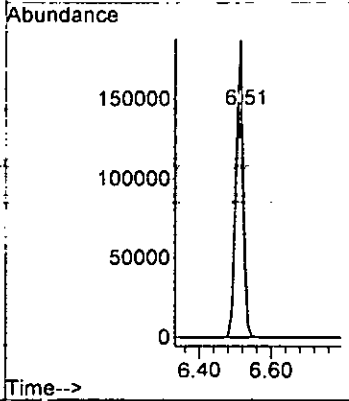
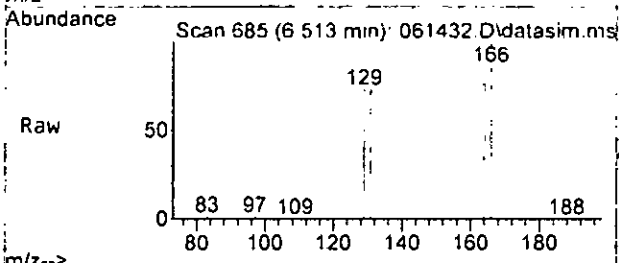
Tgt Ion: 95 Resp: 34150
Ion Ratio Lower Upper
95 100
97 65.2 33.6 93.6
130 96.5 62.5 122.5
132 91.2 54.2 114.2





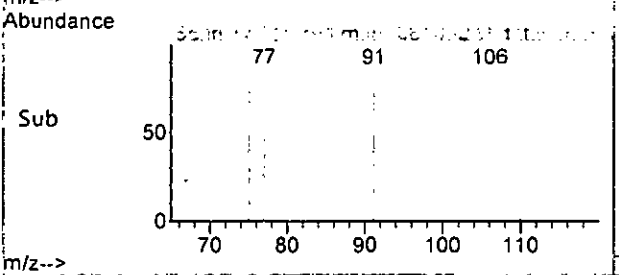
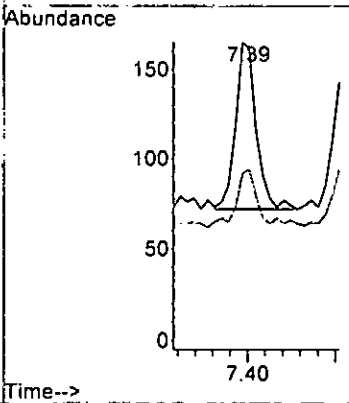
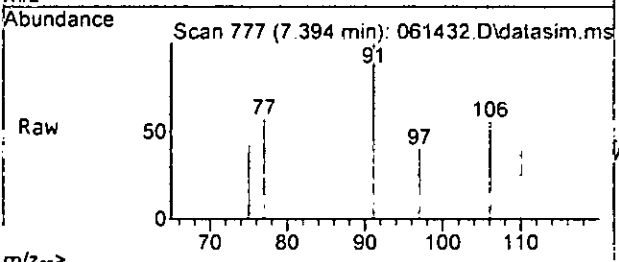
#45
 Tetrachloroethene
 Concen: 94.541 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

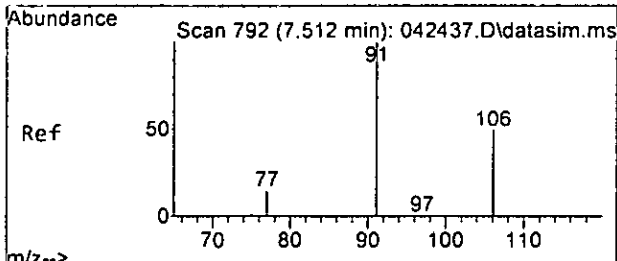
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 95.1 | 64.7 | 124.7 |
| 131 | 95.1 | 63.9 | 123.9 |
| 166 | 130.3 | 98.3 | 158.3 |



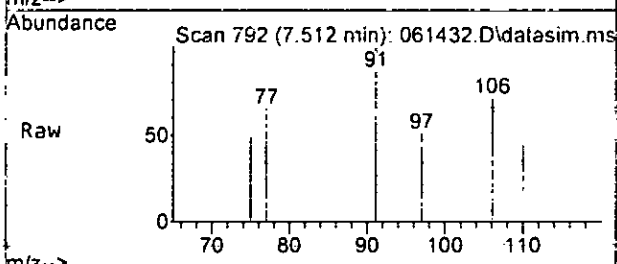
#49
 Ethylbenzene
 Concen: 0.012 ppb
 RT: 7.39 min Scan# 777
 Delta R.T. -0.007 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91 | 100 | | |
| 106 | 30.1 | 1.1 | 61.1 |

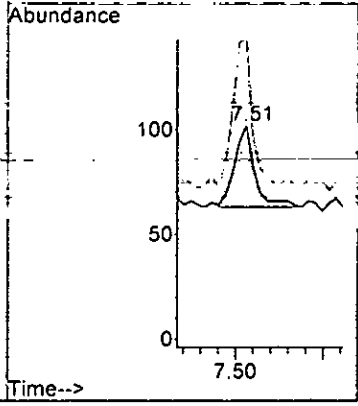
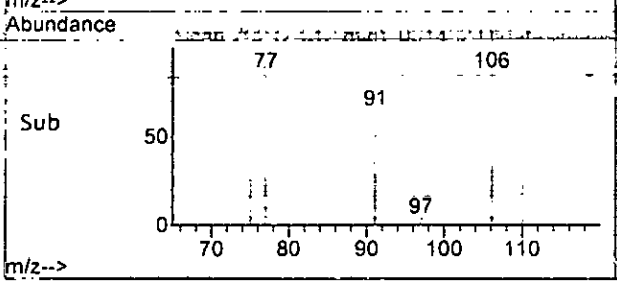




#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: 061432.D
 Acq: 14 Jun 2023 07:09 pm



Tgt Ion: 106 Resp: 62
 Ion Ratio Lower Upper
 106 100
 91 182.1 177.1 237.1



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|-----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 88076 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 64448 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32065 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 27151 | 10.873 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 108.70% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5524 | 10.213 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = 102.10% | | | |
| 35) Toluene-d8 | 5.97 | 98 | 85494 | 9.933 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = 99.30% | | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32740 | 10.976 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = 109.80% | | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.88 | 45 | 205 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.22 | 50 | 3604 | N.D. | | | |
| 6] Vinyl chloride | 1.30 | 62 | 92 | 0.011 | ppb | | 90 |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 975 | No Calib | | | |
| 11) Acetone | 2.28 | 58 | 680 | 1.333 | ppb | | 90 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 13) Hexane | 3.05 | 57 | 172 | N.D. | | | |
| 14) Methylene chloride | 2.60 | 84 | 2837 | 1.037 | ppb | # | 78 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. d | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 792m | 0.279 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.30 | 45 | 135 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 10751 | 3.520 | ppb | | 89 |
| 23) Chloroform | 3.93 | 83 | 880 | 0.166 | ppb | # | 41 |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. d | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.41 | 62 | 114 | Below Cal | | | 81 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.39 | 78 | 192 | 0.016 | ppb | | 98 |
| 32] Trichloroethene | 4.93 | 95 | 34150 | 11.207 | ppb | | 95 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 5.24 | 83 | 113 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

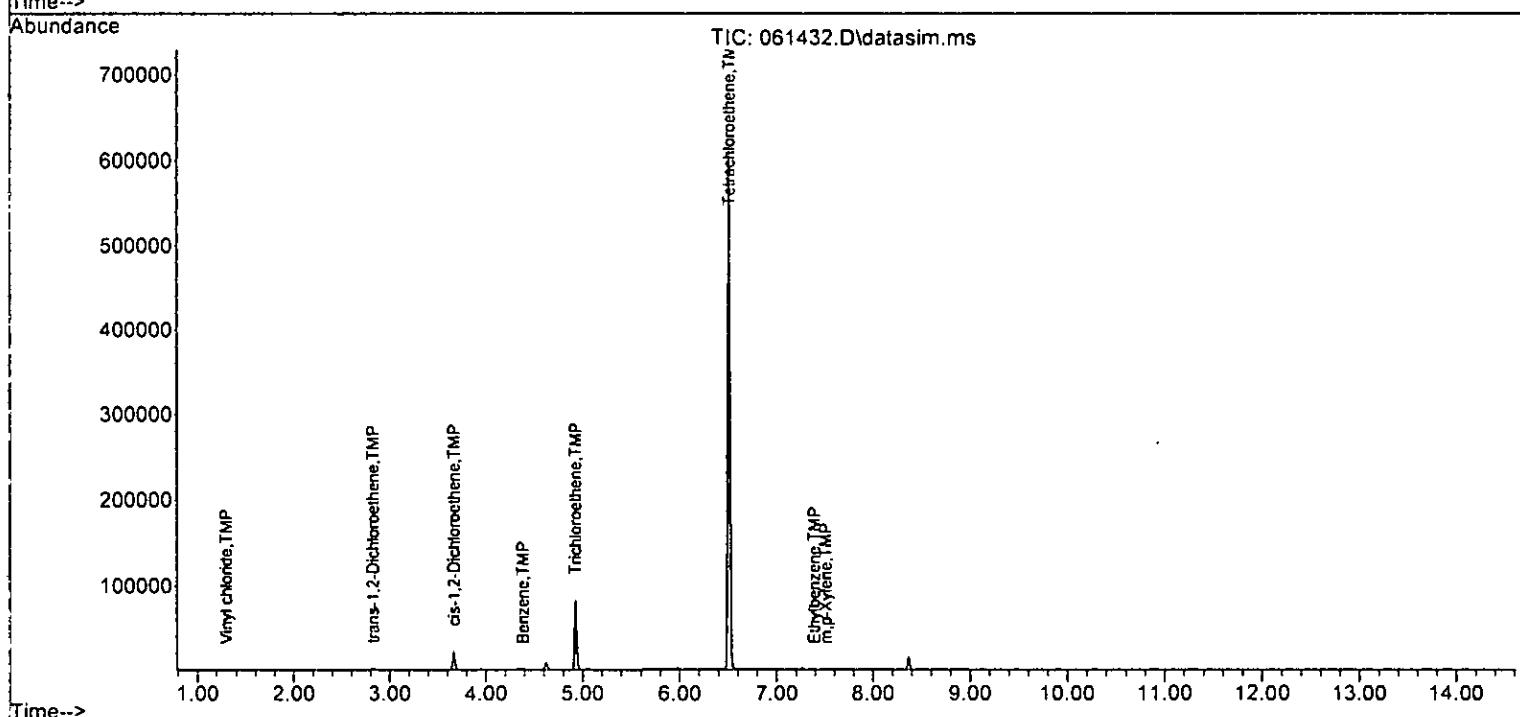
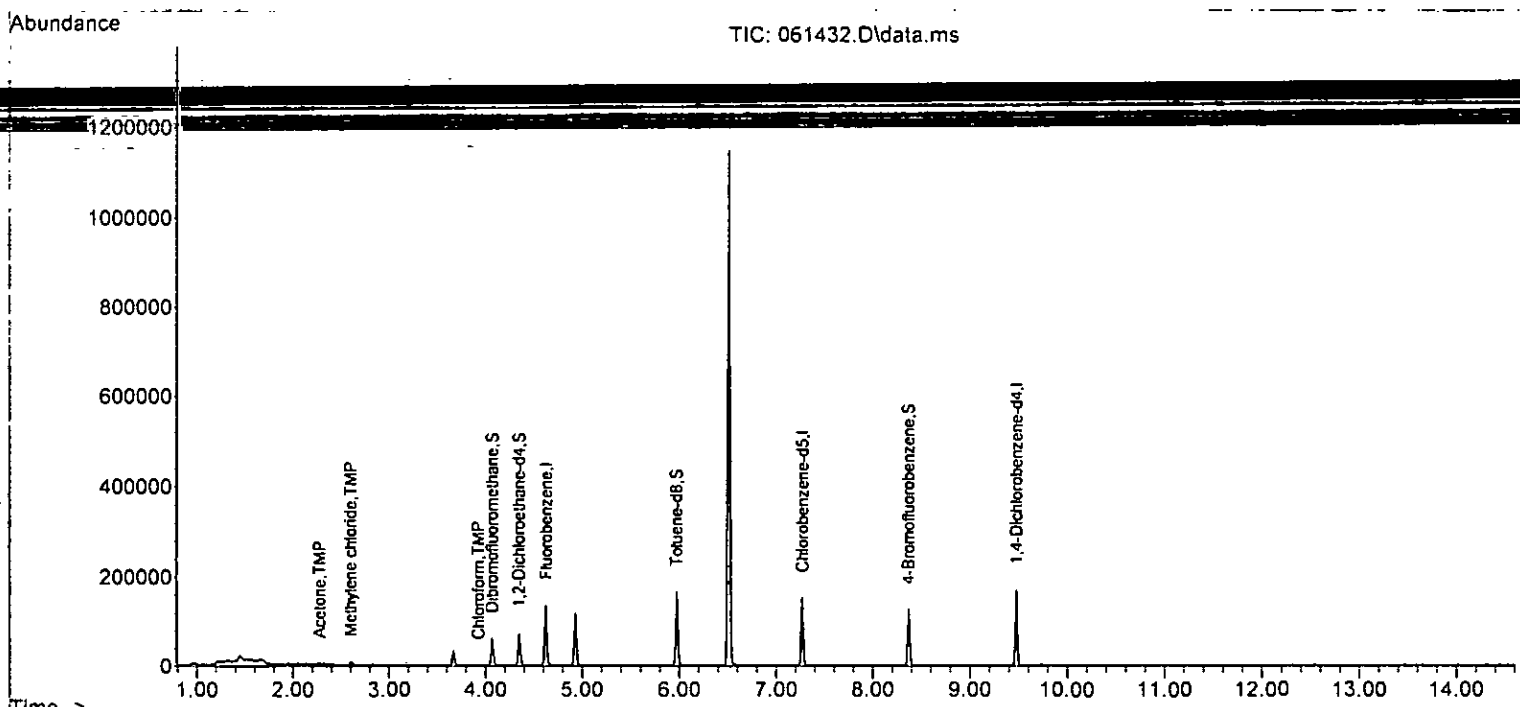
Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 94 | | N.D. | |
| 40] Toluene | 6.03 | 92 | 63 | Below Cal | | 97 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. d | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 6.57 | 76 | 61 | | N.D. | |
| 45] Tetrachloroethene | 6.51 | 164 | 207208 | 94.541 | ppb | 99 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 7.40 | 112 | 73 | | N.D. | |
| 49] Ethylbenzene | 7.39 | 91 | 152 | 0.012 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.51 | 106 | 62 | 0.013 | ppb | 84 |
| 52) o-Xylene | 0.00 | | 0 | | N.D. | |
| 53) Styrene | 7.90 | 104 | 160 | | N.D. | |
| 54) Isopropylbenzene | 8.07 | 105 | 75 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.57 | 91 | 169 | | N.D. | |
| 59) Bromobenzene | 8.68 | 156 | 137 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.72 | 105 | 97 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.57 | 91 | 169 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.12 | 105 | 50 | | N.D. | |
| 67) sec-Butylbenzene | 9.31 | 105 | 102 | | N.D. | |
| 68) p-Isopropyltoluene | 9.46 | 119 | 81 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.50 | 146 | 87 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 87 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 10.70 | 75 | 55 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 90 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061432.D
 Acq On : 14 Jun 2023 07:09 pm
 Operator : LM
 Sample : 306191-04
 Misc : water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:56 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061425.D
 Acq On : 14 Jun 2023 04:31 pm
 Operator : LM
 Sample : 306191-05
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

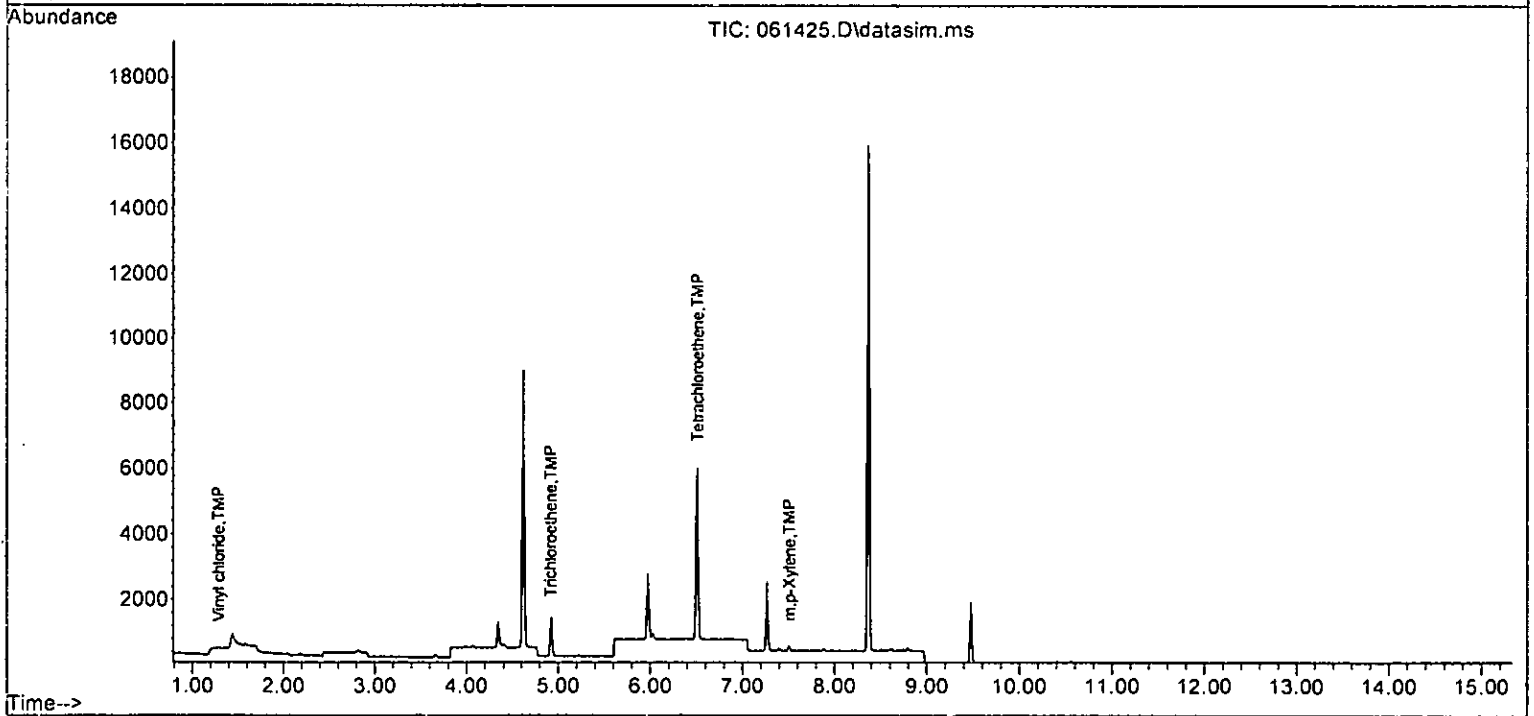
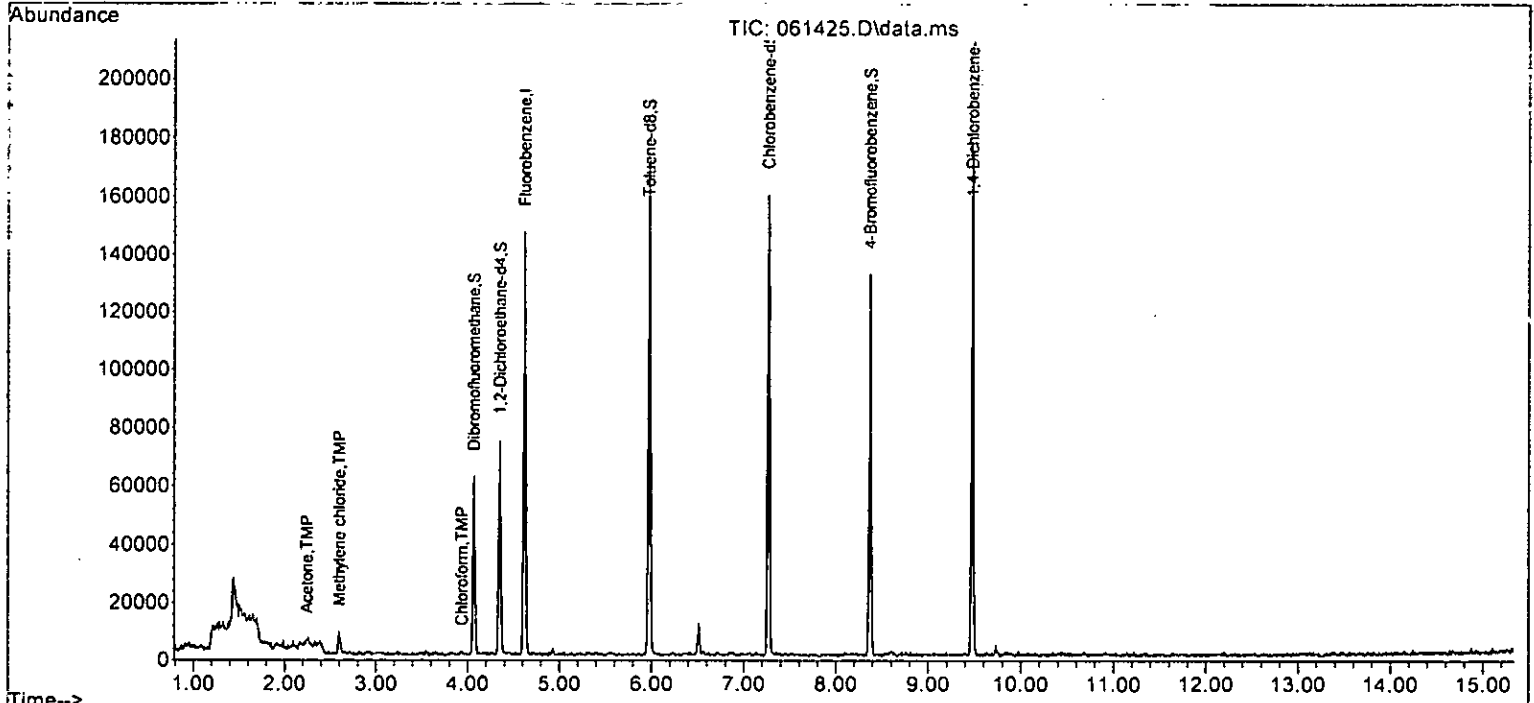
Quant Time: Jun 15 08:59:28 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

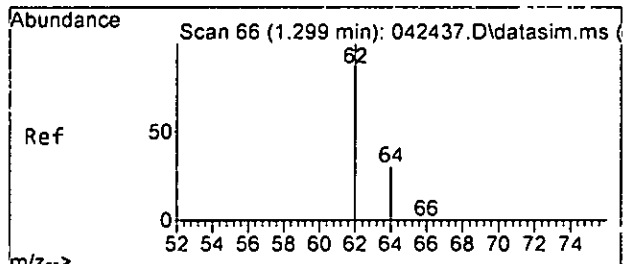
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91511 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65012 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 33521 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26992 | 10.403 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 104.00% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5867 | 10.440 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 104.40% | |
| 35) Toluene-d8 | 5.97 | 98 | 86201 | 9.639 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 96.40% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32334 | 10.369 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 103.70% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 6] Vinyl chloride | 1.29 | 62 | 91 | 0.011 | ppb | 88 |
| 11) Acetone | 2.25 | 58 | 979 | 1.848 | ppb # | 36 |
| 14) Methylene chloride | 2.60 | 84 | 2306 | 0.812 | ppb | 86 |
| 23) Chloroform | 3.94 | 83 | 756 | 0.137 | ppb | 63 |
| 32] Trichloroethene | 4.92 | 95 | 505 | 0.160 | ppb | 89 |
| 40] Toluene | 6.03 | 92 | 80 | Below Cal | | 95 |
| 45] Tetrachloroethene | 6.51 | 164 | 1931 | 0.863 | ppb | 99 |
| 51] m,p-Xylene | 7.51 | 106 | 67 | 0.014 | ppb # | 75 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061425.D
 Acq On : 14 Jun 2023 04:31 pm
 Operator : LM
 Sample : 306191-05
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

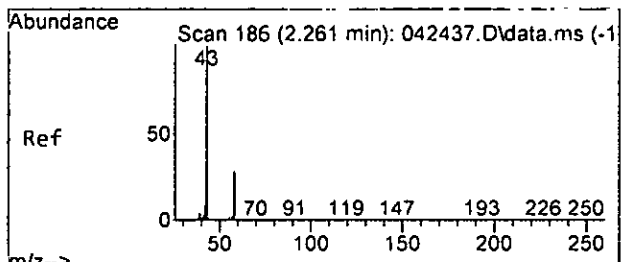
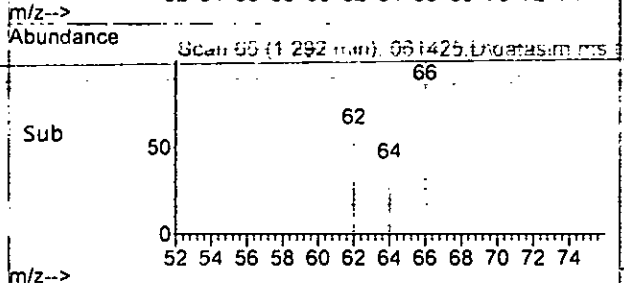
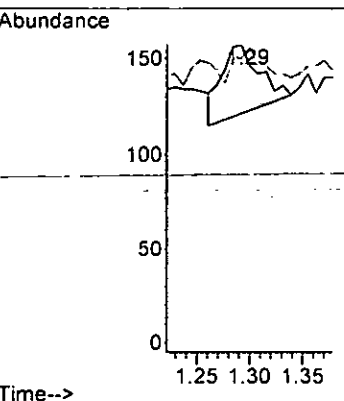
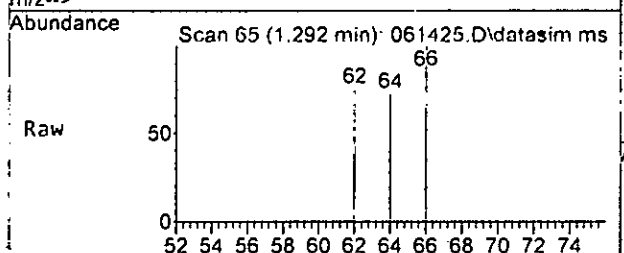
Quant Time: Jun 15 08:59:28 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M





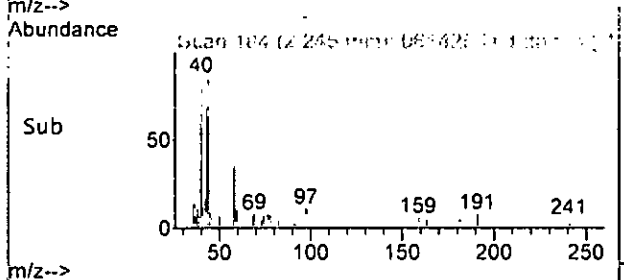
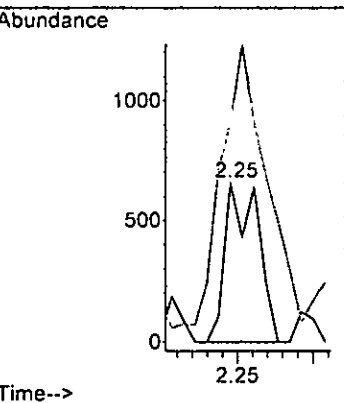
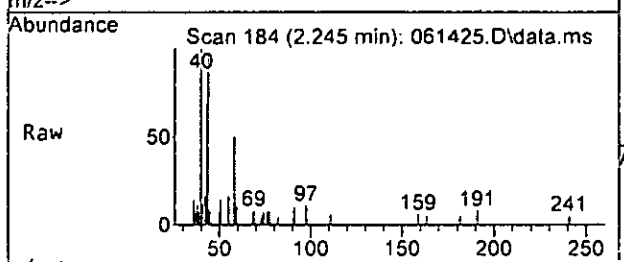
#6
 Vinyl chloride
 Concen: 0.011 ppb
 RT: 1.29 min Scan# 65
 Delta R.T. -0.007 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

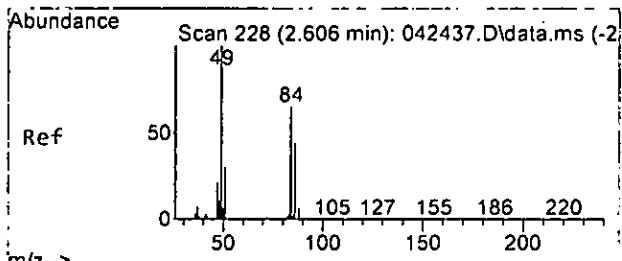
| Tgt Ion: | 62 | 64 | 66 | Resp: | 91 | 38.5 | 1.8 | 61.8 |
|-----------|-----|----|----|-------|----|------|-----|------|
| Ion Ratio | 100 | | | Lower | | | | |
| | | | | Upper | | | | |



#11
 Acetone
 Concen: 1.848 ppb
 RT: 2.25 min Scan# 184
 Delta R.T. -0.016 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

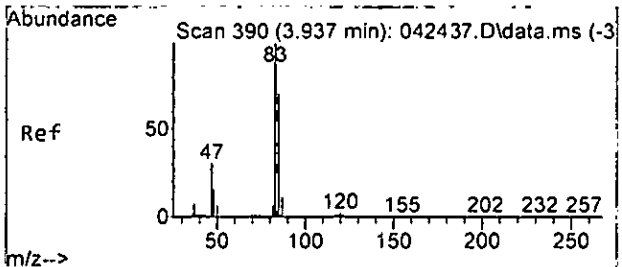
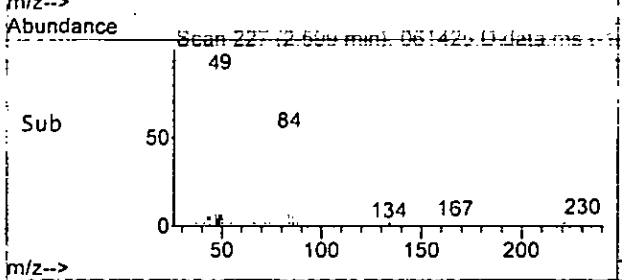
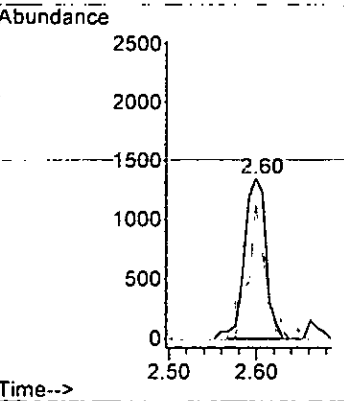
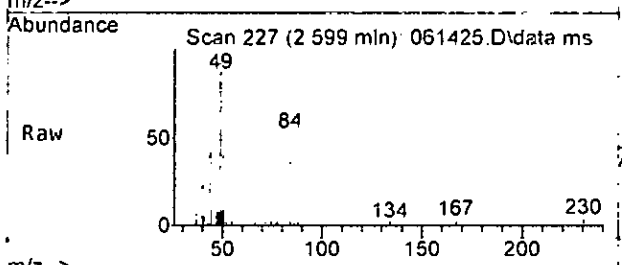
| Tgt Ion: | 58 | 43 | Resp: | 979 | 240.1 | 360.4 | 420.4 |
|-----------|-----|----|-------|-----|-------|-------|-------|
| Ion Ratio | 100 | | Lower | | | | |
| | | | Upper | | | | |





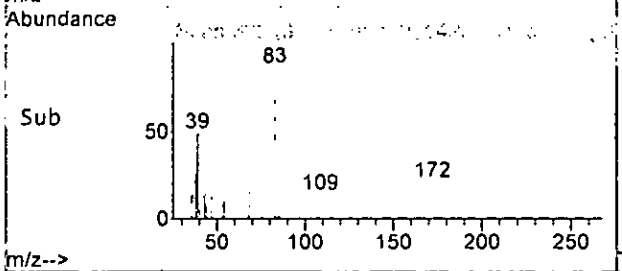
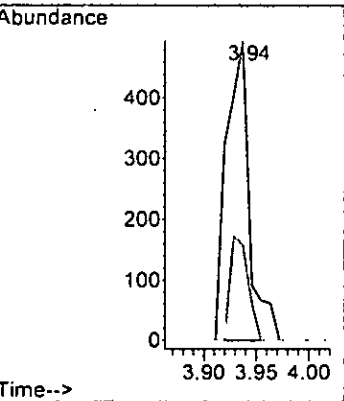
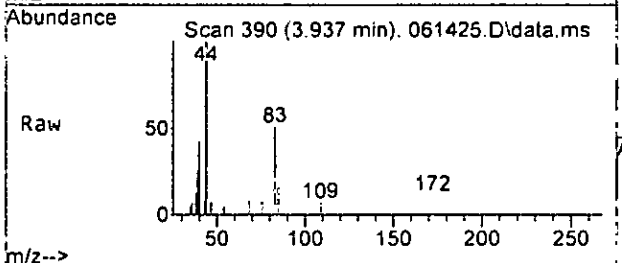
#14
 Methylene chloride
 Concen: 0.812 ppb
 RT: 2.60 min Scan# 227
 Delta R.T. -0.007 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

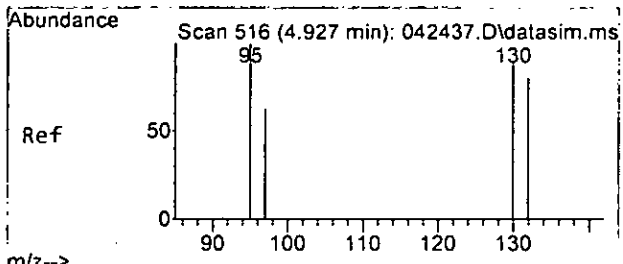
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 86 | 82.7 | 41.4 | 101.4 |
| 49 | 187.0 | 137.3 | 197.3 |



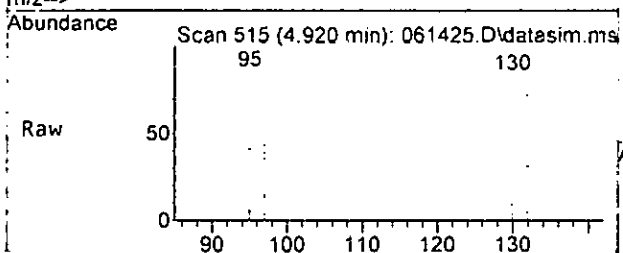
#23
 Chloroform
 Concen: 0.137 ppb
 RT: 3.94 min Scan# 390
 Delta R.T. 0.000 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 32.1 | 29.7 | 89.7 |



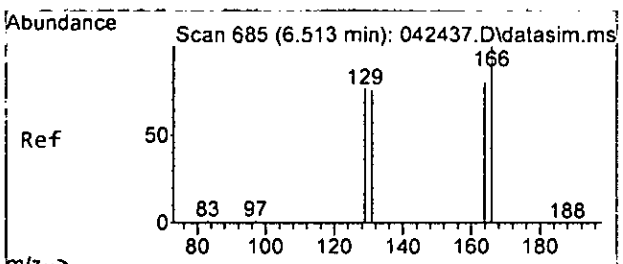
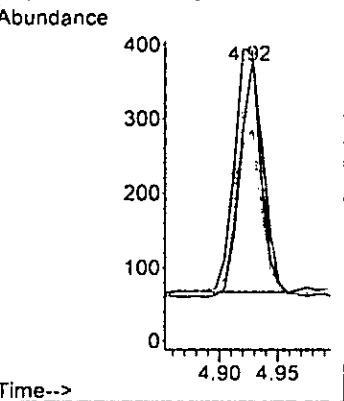
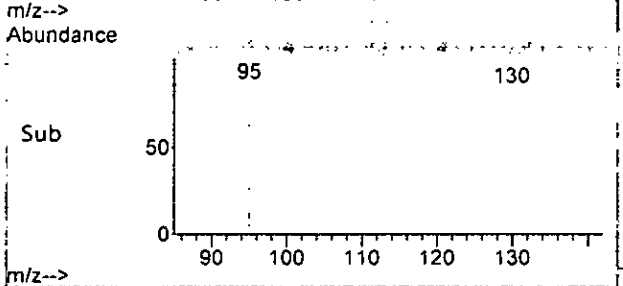


#32
 Trichloroethene
 Concen: 0.160 ppb
 RT: 4.92 min Scan# 515
 Delta R.T. -0.007 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

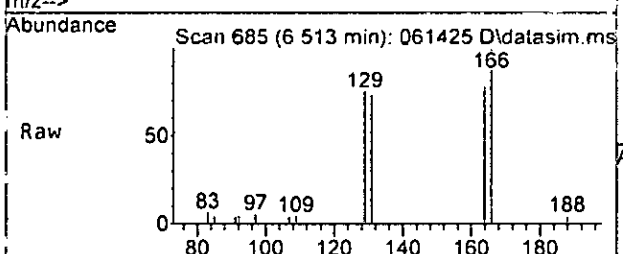


Tgt Ion: 95 Resp: 505

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95 | 100 | | |
| 97 | 61.2 | 33.6 | 93.6 |
| 130 | 82.3 | 62.5 | 122.5 |
| 132 | 69.1 | 54.2 | 114.2 |

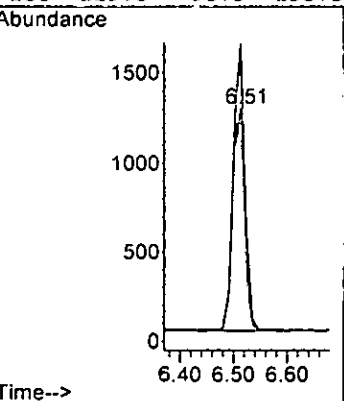
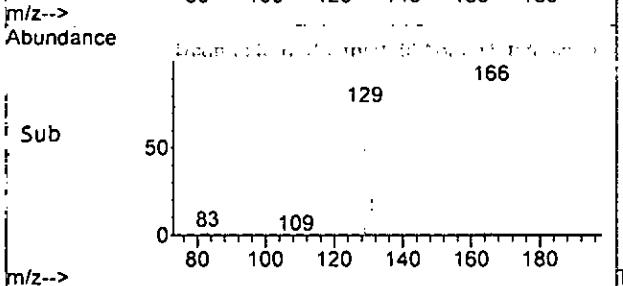


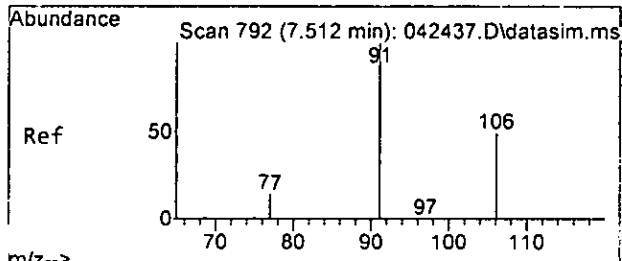
#45
 Tetrachloroethene
 Concen: 0.863 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm



Tgt Ion: 164 Resp: 1931

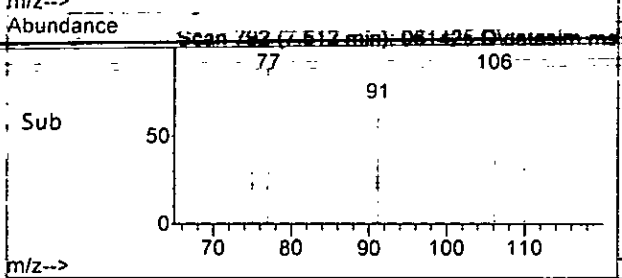
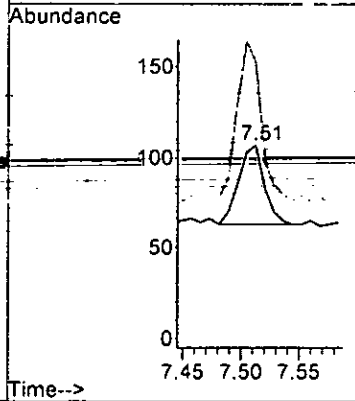
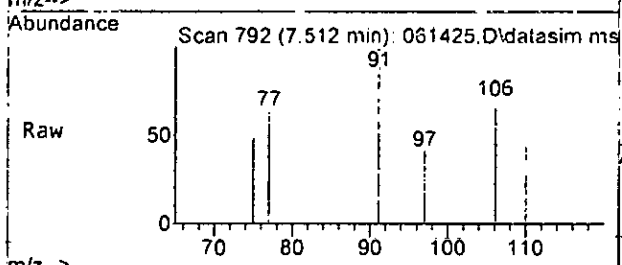
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 129 | 94.9 | 64.7 | 124.7 |
| 131 | 92.8 | 63.9 | 123.9 |
| 166 | 129.0 | 98.3 | 158.3 |





#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: 061425.D
 Acq: 14 Jun 2023 04:31 pm

Tgt Ion: 106 Resp: 67
 Ion Ratio Lower Upper
 106 100
 91 168.2 177.1 237.1#



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061425.D
 Acq On : 14 Jun 2023 04:31 pm
 Operator : LM
 Sample : 306191-05
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:28 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 91511 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65012 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 33521 | 10.000 | ppb | 0.00 |

| System Monitoring Compounds | | | | | | |
|-----------------------------|--------|-------|----------|----------|-----|---------|
| 3) Dibromofluoromethane | 4.07 | 113 | 26992 | 10.403 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 104.00% |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5867 | 10.440 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 104.40% |
| 35) Toluene-d8 | 5.97 | 98 | 86201 | 9.639 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 96.40% |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32334 | 10.369 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 103.70% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|----------|-------|--------|
| 2) Ethanol | 1.85 | 45 | 64 | No Calib | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 5) Chloromethane | 1.21 | 50 | 1136 | N.D. | | |
| 6] Vinyl chloride | 1.29 | 62 | 91 | 0.011 | ppb | 88 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | |
| 9) Trichlorofluoromethane | 1.78 | 101 | 141 | N.D. | | |
| 10) 2-Propanol | 2.39 | 45 | 1206 | No Calib | | |
| 11) Acetone | 2.25 | 58 | 979 | 1.848 | ppb # | 36 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 13) Hexane | 3.04 | 57 | 171 | N.D. | | |
| 14) Methylene chloride | 2.60 | 84 | 2306 | 0.812 | ppb | 86 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 18) Diisopropyl ether (DIPE) | 3.26 | 45 | 157 | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 3.45 | 87 | 57 | N.D. | | |
| 21) 2,2-Dichloropropane | 3.64 | 77 | 98 | N.D. | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 23) Chloroform | 3.94 | 83 | 756 | 0.137 | ppb | 63 |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | |
| 25) t-Amyl methyl ether (T...) | 4.39 | 73 | 85 | N.D. | | |
| 26) 1,2-Dichloroethane (EDC) | 4.41 | 62 | 142 | N.D. | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 28) 1,1-Dichloropropene | 4.21 | 75 | 67 | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | |
| 31) Benzene | 4.39 | 78 | 117 | N.D. | | |
| 32] Trichloroethene | 4.92 | 95 | 505 | 0.160 | ppb | 89 |
| 33) 1,2-Dichloropropane | 5.04 | 63 | 88 | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061425.D
 Acq Dn : 14 Jun 2023 04:31 pm
 Operator : LM
 Sample : 306191-05
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

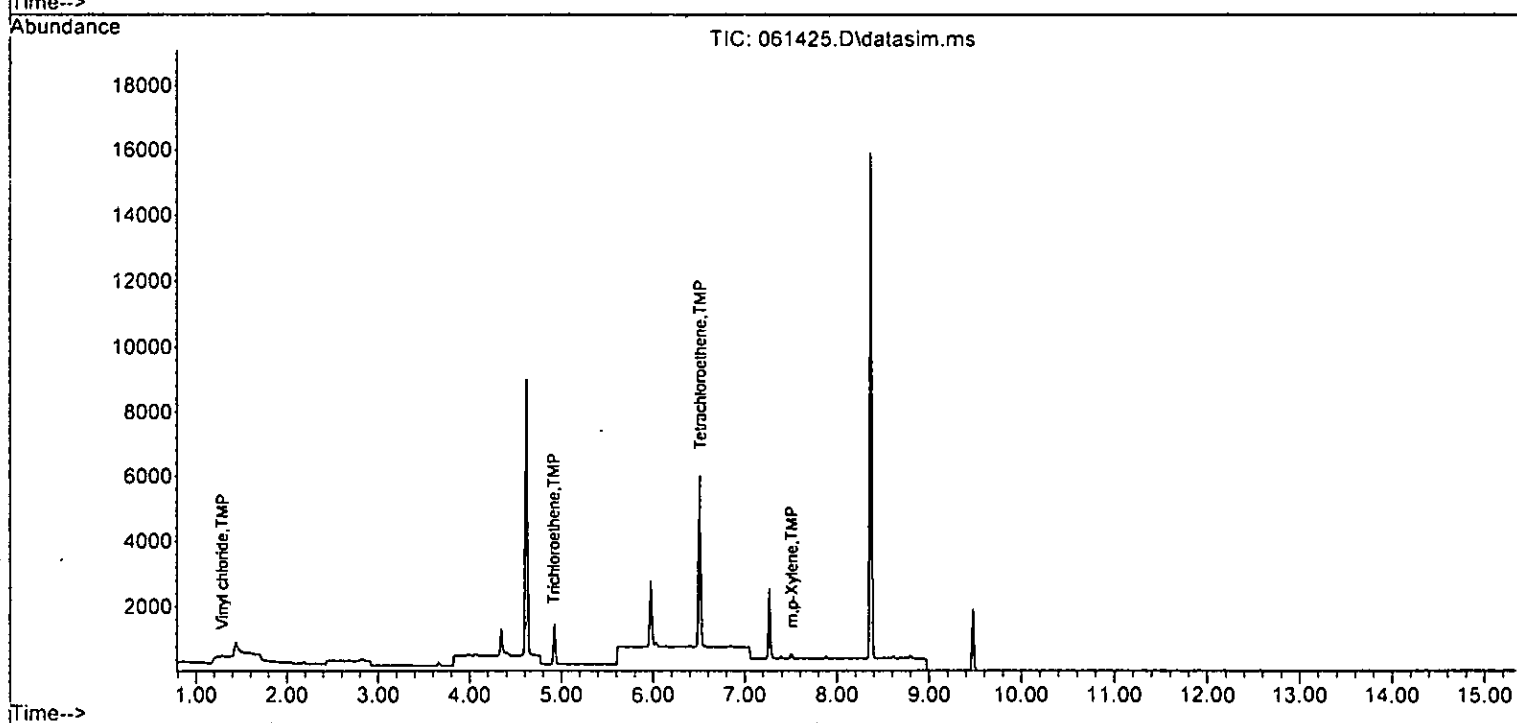
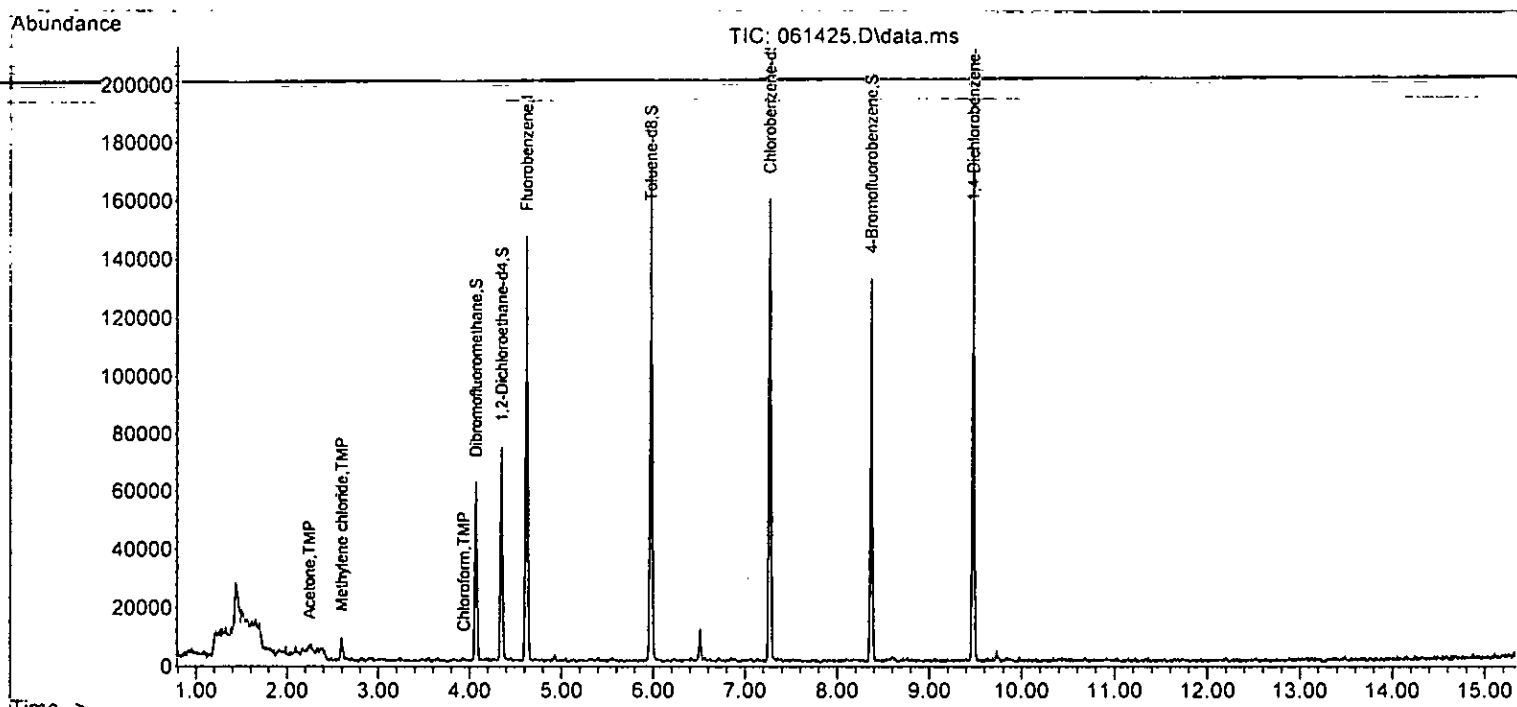
Quant Time: Jun 15 08:59:28 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-----------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 5.65 | 75 | 67 | | N.D. | |
| 40] Toluene | 6.03 | 92 | 80 | | Below Cal | 95 |
| 41) trans-1,3-Dichloropropene | 6.24 | 75 | 76 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.50 | 83 | 71 | | N.D. | |
| 43) 2-Hexanone | 6.55 | 43 | 119 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.51 | 164 | 1931 | 0.863 | ppb | 99 |
| 46) Dibromochloromethane | 6.68 | 129 | 55 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 7.27 | 112 | 56 | | N.D. | |
| 49) Ethylbenzene | 7.39 | 91 | 84 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 7.47 | 131 | 57 | | N.D. | |
| 51] m,p-Xylene | 7.51 | 106 | 67 | 0.014 | ppb # | 75 |
| 52) o-Xylene | 0.00 | | 0 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 8.23 | 105 | 106 | | N.D. | |
| 55) Bromoform | 8.24 | 173 | 74 | | N.D. | |
| 58) n-Propylbenzene | 8.61 | 91 | 416 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.68 | 105 | 132 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 8.38 | 83 | 190 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.68 | 91 | 66 | | N.D. | |
| 64) 4-Chlorotoluene | 8.80 | 91 | 72 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.14 | 105 | 130 | | N.D. | |
| 67) sec-Butylbenzene | 9.14 | 105 | 130 | | N.D. | |
| 68) p-Isopropyltoluene | 9.46 | 119 | 170 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 109 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.54 | 146 | 55 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 147 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061425.D
 Acq On : 14 Jun 2023 04:31 pm
 Operator : LM
 Sample : 306191-05
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:28 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M



Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061509.D
 Acq On : 15 Jun 2023 10:50 am
 Operator : LM
 Sample : 306191-06 rr
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

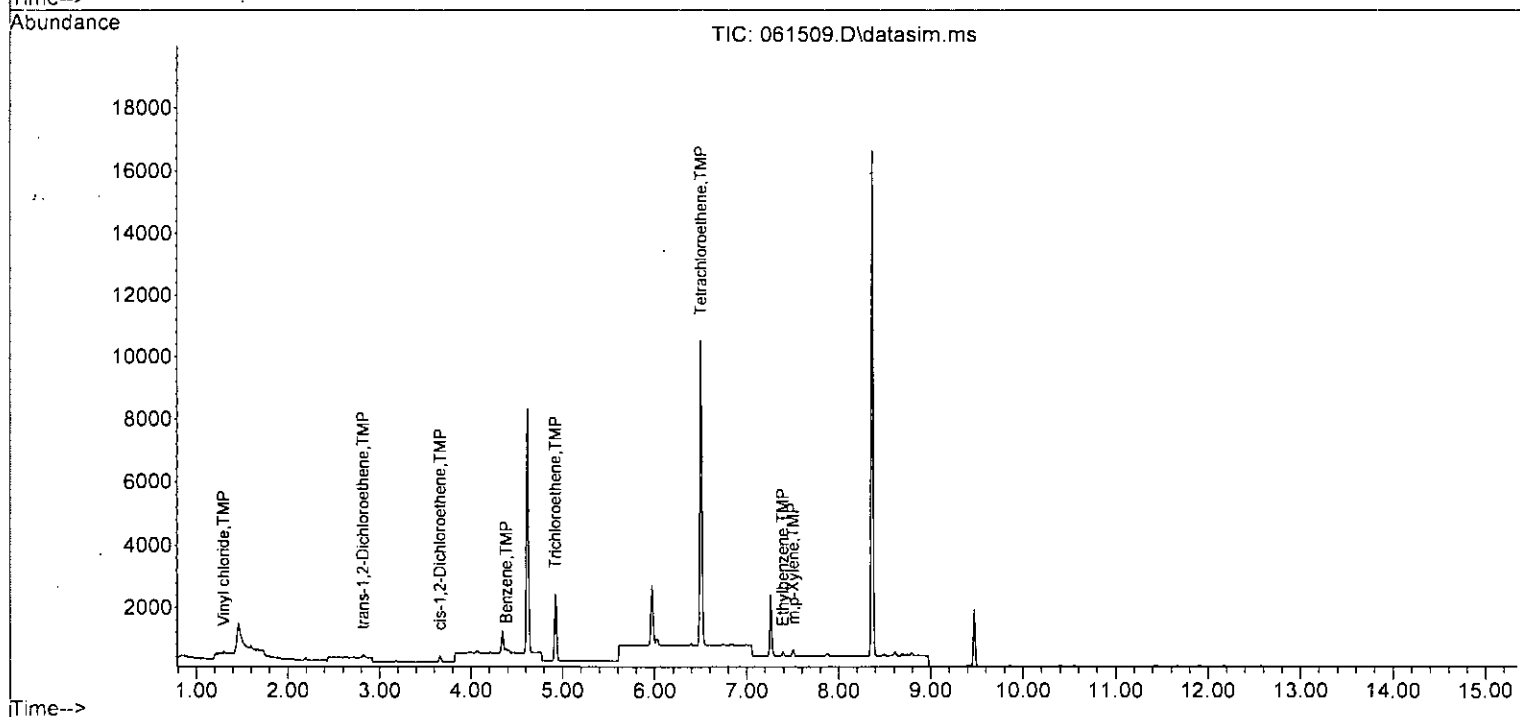
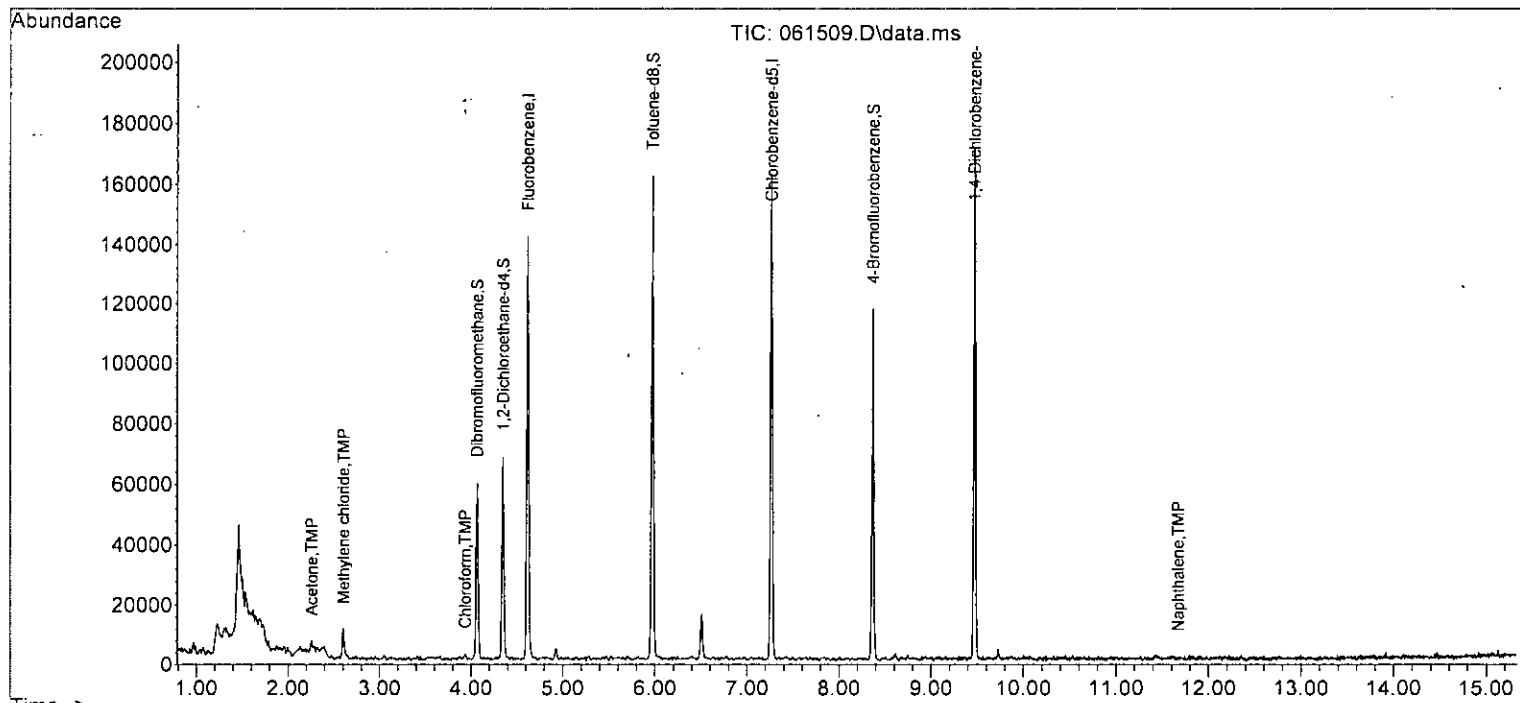
Quant Time: Jun 15 14:00:58 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

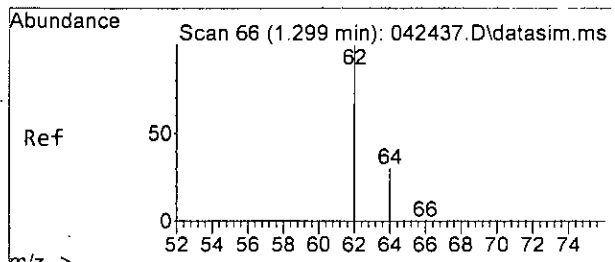
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 87131 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 61527 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 32078 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26873 | 10.878 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 108.80% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5085 | 9.504 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 95.00% | |
| 35) Toluene-d8 | 5.97 | 98 | 84549 | 9.930 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 99.30% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 31216 | 10.460 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 104.60% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 6] Vinyl chloride | 1.30 | 62 | 102 | 0.012 | ppb | 88 |
| 11) Acetone | 2.26 | 58 | 986 | 1.954 | ppb # | 68 |
| 14) Methylene chloride | 2.61 | 84 | 3218 | 1.190 | ppb | 88 |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 50 | 0.018 | ppb # | 72 |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 106 | 0.035 | ppb | 94 |
| 23) Chloroform | 3.94 | 83 | 1151 | 0.220 | ppb | 91 |
| 31] Benzene | 4.39 | 78 | 146 | 0.013 | ppb | 78 |
| 32] Trichloroethene | 4.92 | 95 | 959 | 0.318 | ppb | 92 |
| 45] Tetrachloroethene | 6.50 | 164 | 3399 | 1.614 | ppb | 93 |
| 49] Ethylbenzene | 7.39 | 91 | 177 | 0.015 | ppb | 95 |
| 51] m,p-Xylene | 7.50 | 106 | 91 | 0.021 | ppb | 100 |
| 75) Naphthalene | 11.67 | 128 | 223 | 0.028 | ppb | 68 |

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

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061509.D
 Acq On : 15 Jun 2023 10:50 am
 Operator : LM
 Sample : 306191-06 nr
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

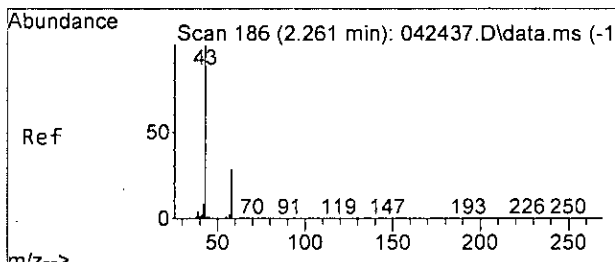
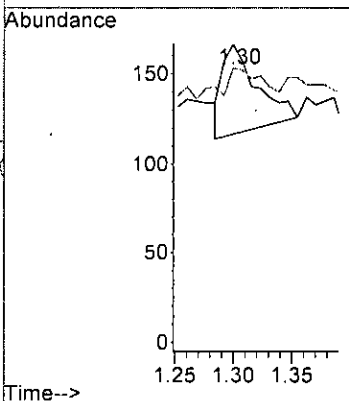
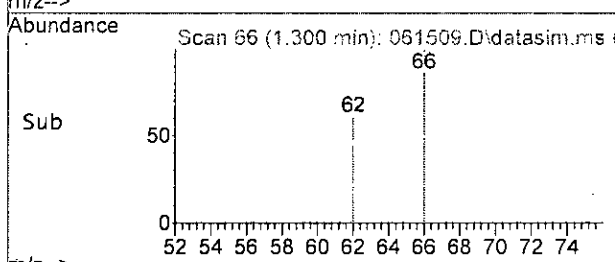
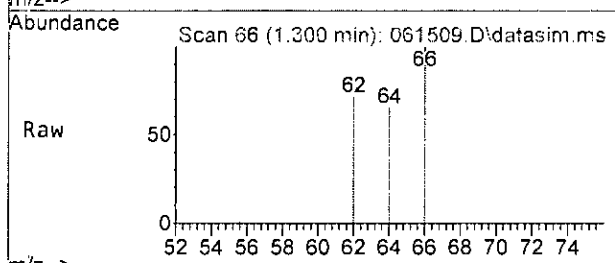
Quant Time: Jun 15 14:00:58 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





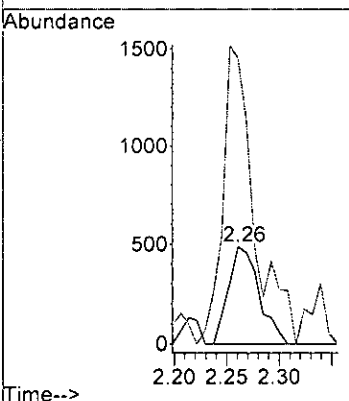
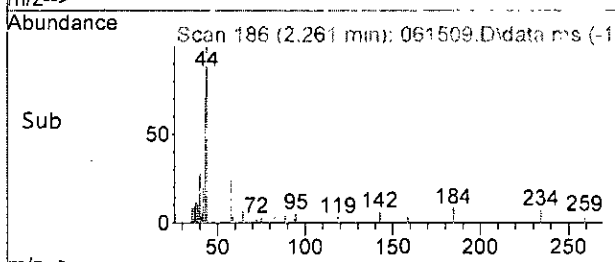
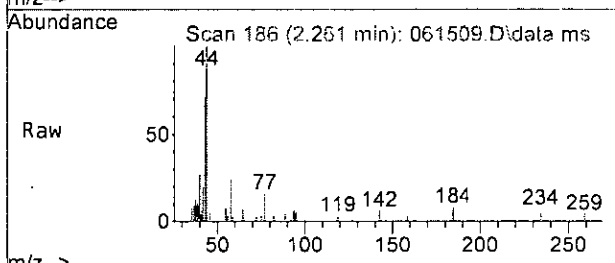
#6
 Vinyl chloride
 Concen: 0.012 ppb
 RT: 1.30 min Scan# 66
 Delta R.T. 0.001 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

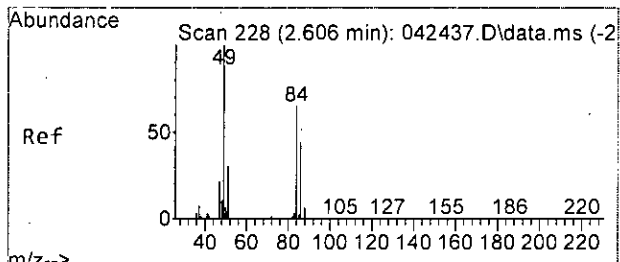
Tgt Ion: 62 Resp: 102
 Ion Ratio Lower Upper
 62 100
 64 25.0 1.8 61.8



#11
 Acetone
 Concen: 1.954 ppb
 RT: 2.26 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

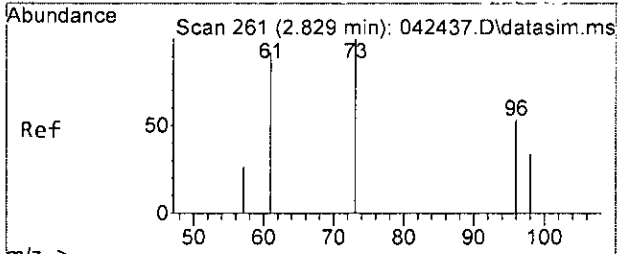
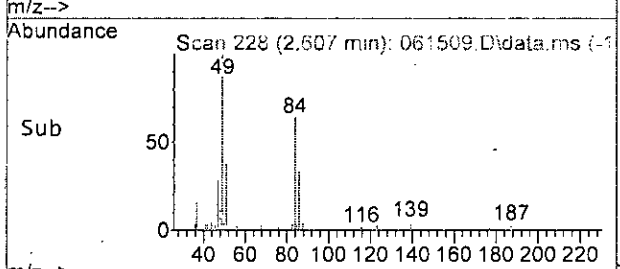
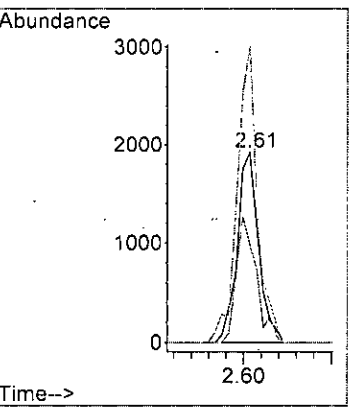
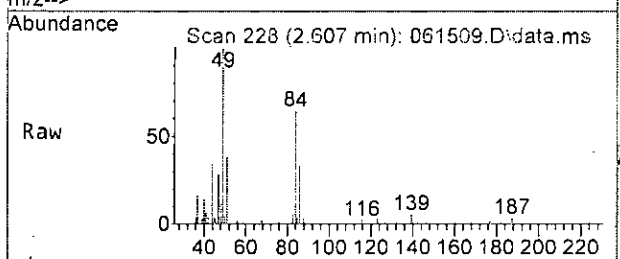
Tgt Ion: 58 Resp: 986
 Ion Ratio Lower Upper
 58 100
 43 316.5 360.4 420.4#





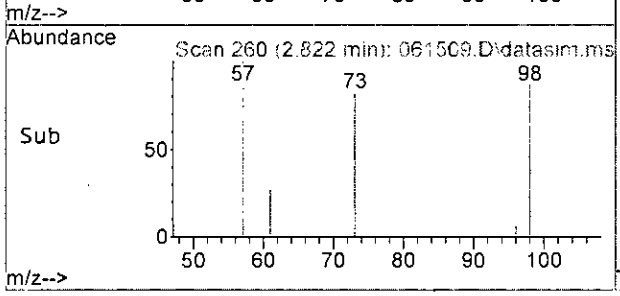
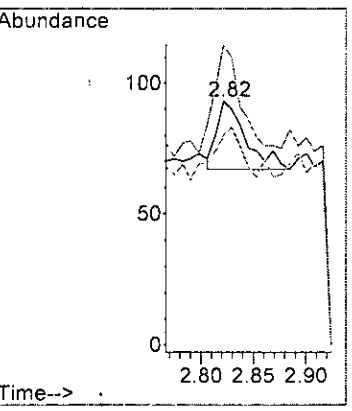
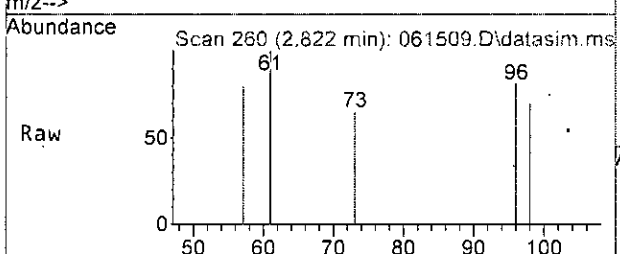
#14
 Methylene chloride
 Concen: 1.190 ppb
 RT: 2.61 min Scan# 228
 Delta R.T. 0.001 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

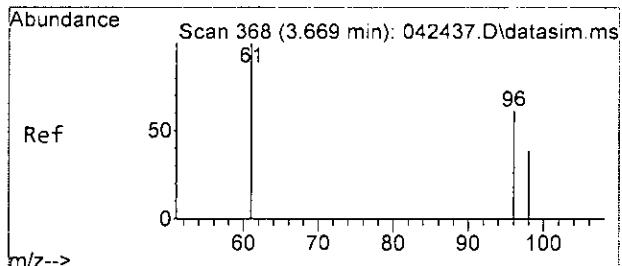
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 86 | 51.5 | 41.4 | 101.4 |
| 49 | 157.1 | 137.3 | 197.3 |



#17
 trans-1,2-Dichloroethene
 Concen: 0.018 ppb
 RT: 2.82 min Scan# 260
 Delta R.T. -0.007 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 96 | 100 | | |
| 61 | 126.9 | 134.1 | 194.1# |
| 98 | 42.3 | 34.9 | 94.9 |

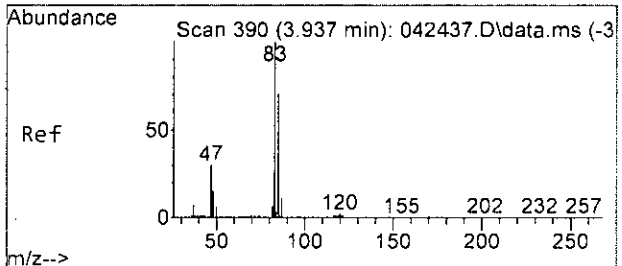
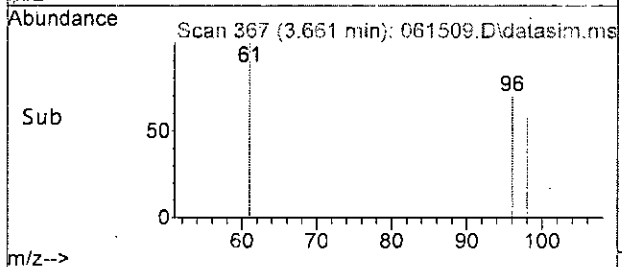
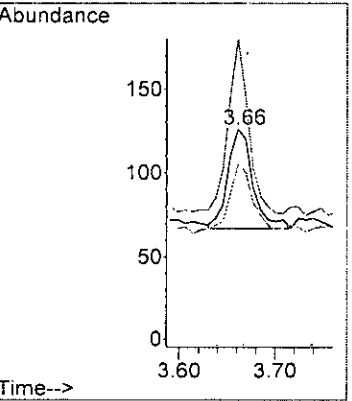
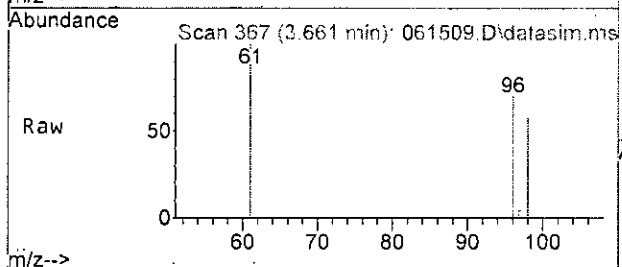




#22
 cis-1,2-Dichloroethene
 Concen: 0.035 ppb
 RT: 3.66 min Scan# 367
 Delta R.T. -0.008 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

Tgt Ion: 96 Resp: 106

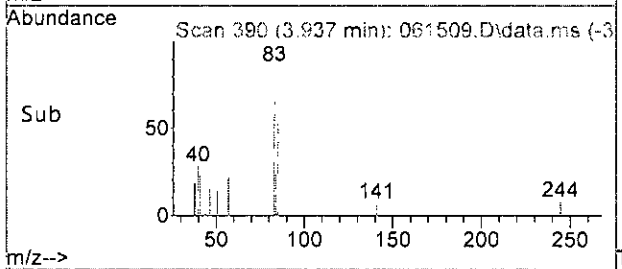
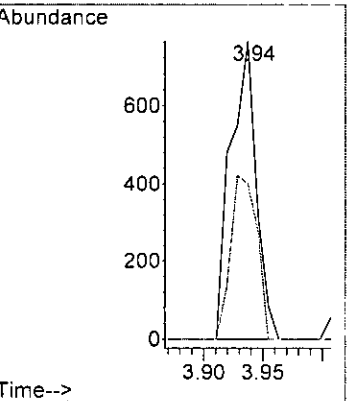
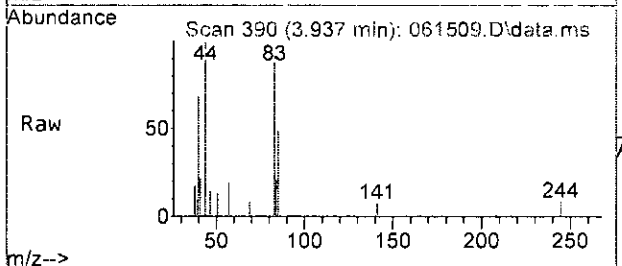
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 172.9 | 132.2 | 192.2 |
| 98 | 64.4 | 34.9 | 94.9 |

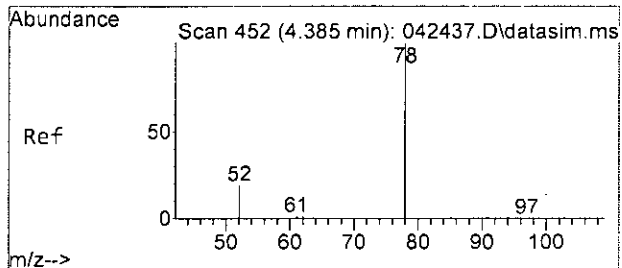


#23
 Chloroform
 Concen: 0.220 ppb
 RT: 3.94 min Scan# 390
 Delta R.T. 0.000 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

Tgt Ion: 83 Resp: 1151

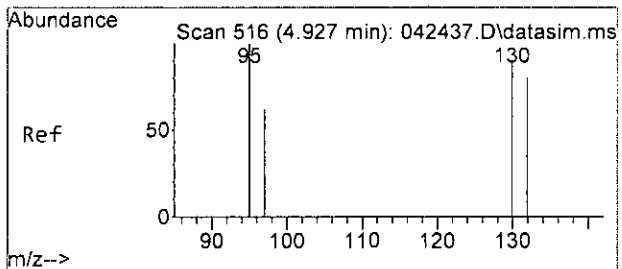
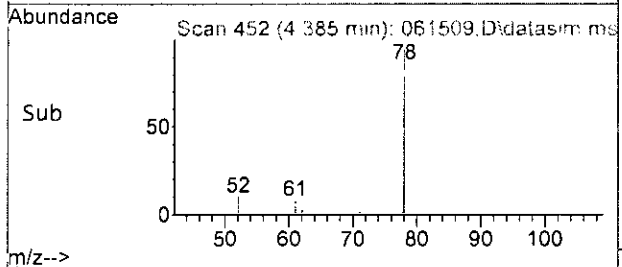
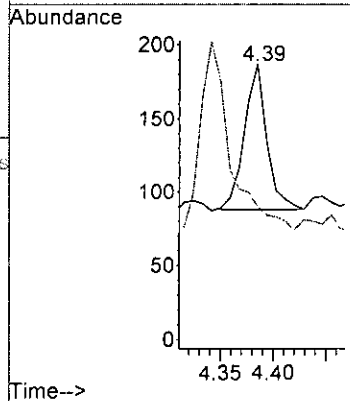
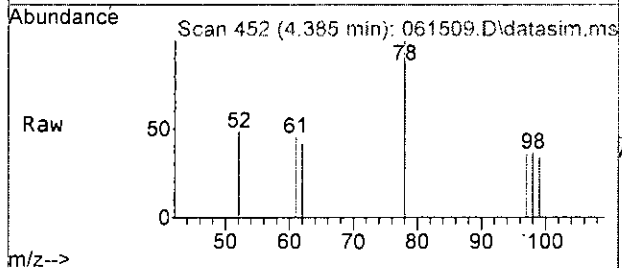
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83 | 100 | | |
| 85 | 52.6 | 29.7 | 89.7 |





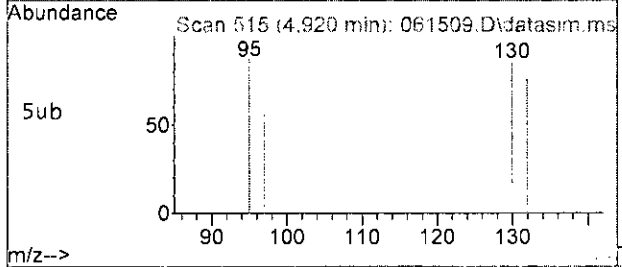
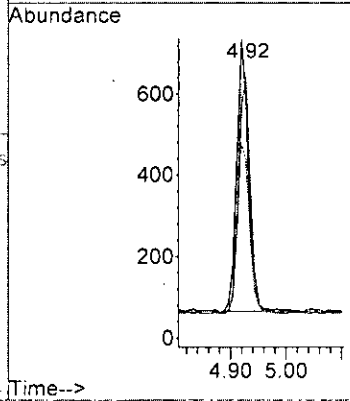
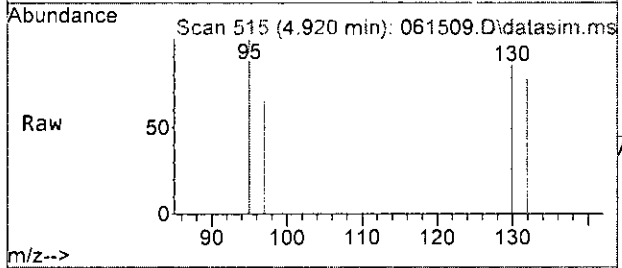
#31
Benzene
Concen: 0.013 ppb
RT: 4.39 min Scan# 452
Delta R.T. 0.000 min
Lab File: 061509.D
Acq: 15 Jun 2023 10:50 am

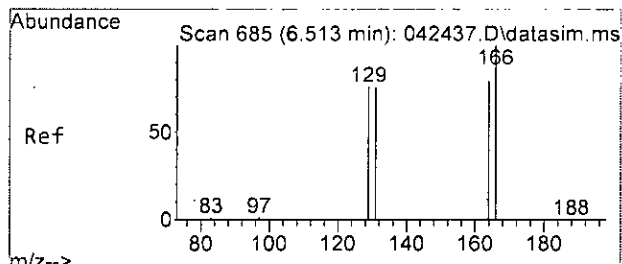
Tgt Ion: 78 Resp: 146
Ion Ratio Lower Upper
78 100
52 9.1 0.0 49.1



#32
Trichloroethene
Concen: 0.318 ppb
RT: 4.92 min Scan# 515
Delta R.T. -0.007 min
Lab File: 061509.D
Acq: 15 Jun 2023 10:50 am

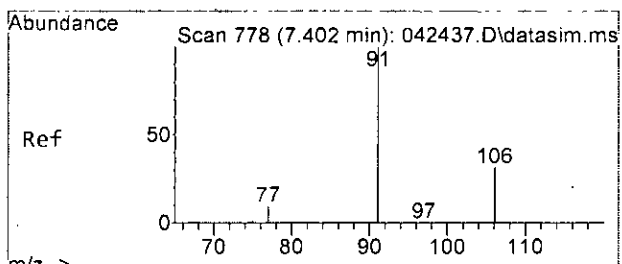
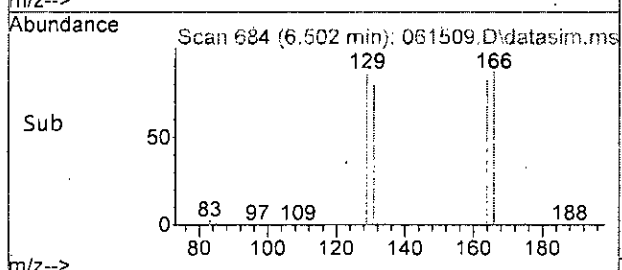
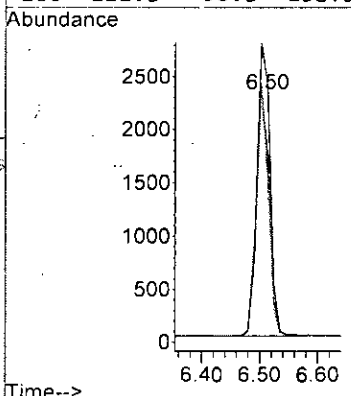
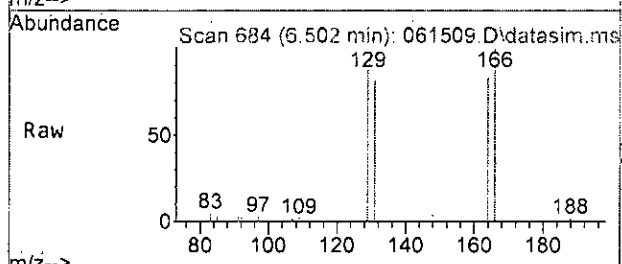
Tgt Ion: 95 Resp: 959
Ion Ratio Lower Upper
95 100
97 61.2 33.6 93.6
130 83.6 62.5 122.5
132 75.4 54.2 114.2





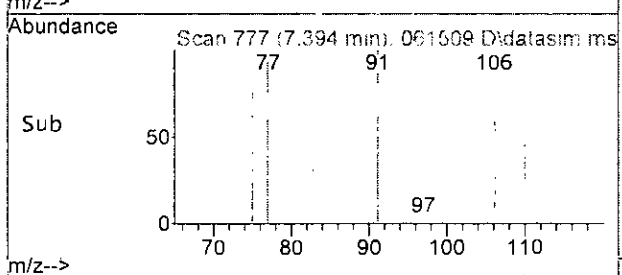
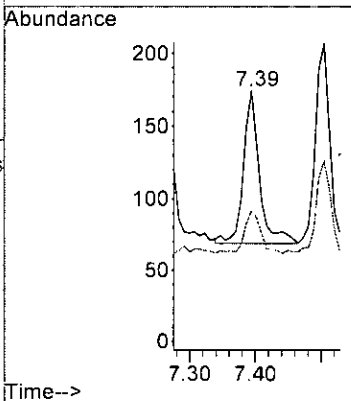
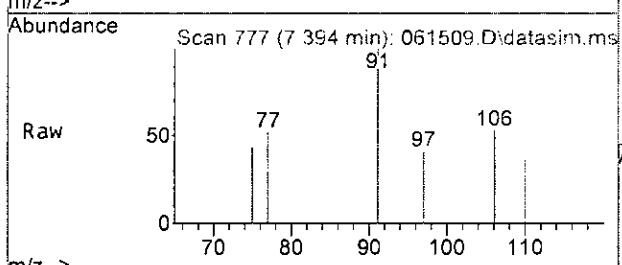
#45
 Tetrachloroethene
 Concen: 1.614 ppb
 RT: 6.50 min Scan# 684
 Delta R.T. -0.011 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

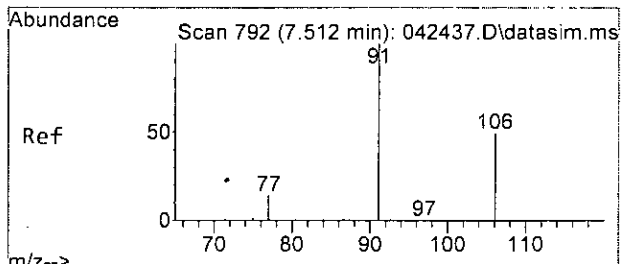
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 104.7 | 64.7 | 124.7 |
| 131 | 98.0 | 63.9 | 123.9 |
| 166 | 121.3 | 98.3 | 158.3 |



#49
 Ethylbenzene
 Concen: 0.015 ppb
 RT: 7.39 min Scan# 777
 Delta R.T. -0.007 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

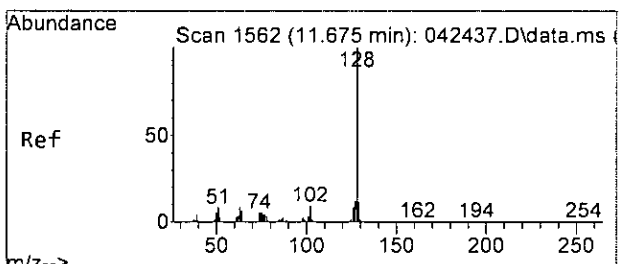
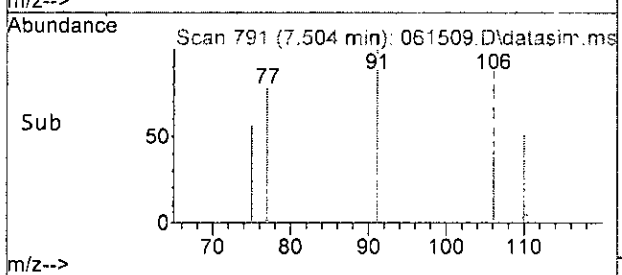
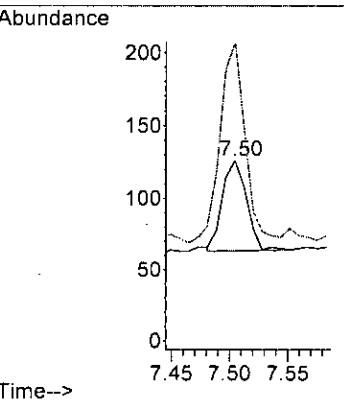
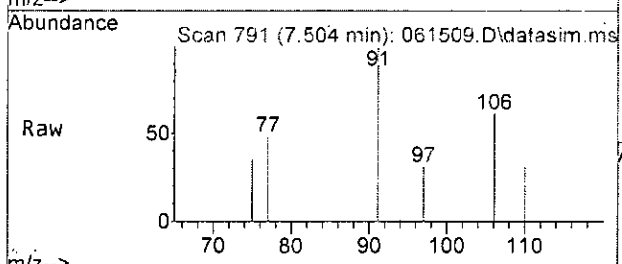
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 106 | 28.6 | 1.1 | 61.1 |





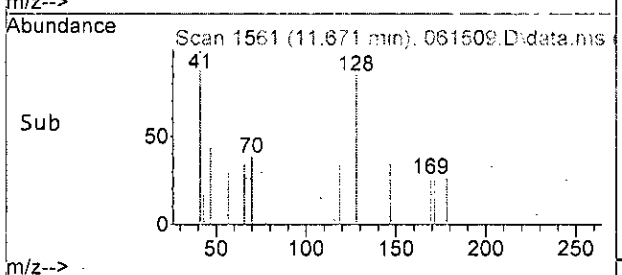
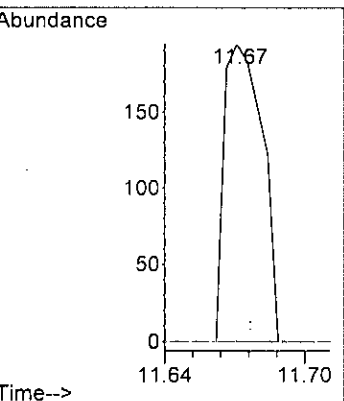
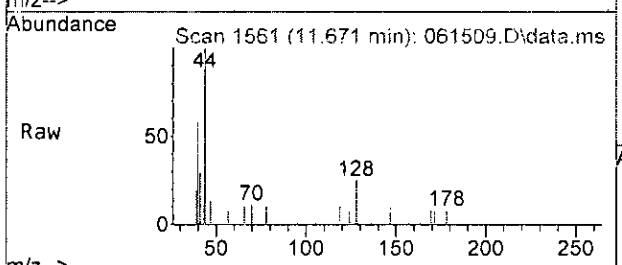
#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.50 min Scan# 791
 Delta R.T. -0.008 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 206.5 | 177.1 | 237.1 |



#75
 Naphthalene
 Concen: 0.028 ppb
 RT: 11.67 min Scan# 1561
 Delta R.T. -0.004 min
 Lab File: 061509.D
 Acq: 15 Jun 2023 10:50 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 0.0 | 0.0 | 42.2 |
| 127 | 0.0 | 0.0 | 42.6 |



Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061509.D
 Acq On : 15 Jun 2023 10:50 am
 Operator : LM
 Sample : 306191-06 nr
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 14:00:58 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.62 | 96 | 87131 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 61527 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.47 | 152 | 32078 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26873 | 10.878 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 108.80% | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5085 | 9.504 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 95.00% | |
| 35) Toluene-d8 | 5.97 | 98 | 84549 | 9.930 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 99.30% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 31216 | 10.460 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 104.60% | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.85 | 45 | 270 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.07 | 85 | 139 | N.D. | | | |
| 5) Chloromethane | 1.23 | 50 | 5364 | N.D. | | | |
| 6] Vinyl chloride | 1.30 | 62 | 102 | 0.012 | ppb | | 88 |
| 7) Bromomethane | 1.53 | 94 | 597 | N.D. | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 1.81 | 101 | 235 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 1571 | No Calib | | | |
| 11) Acetone | 2.26 | 58 | 986 | 1.954 | ppb | # | 68 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 13) Hexane | 3.06 | 57 | 259 | N.D. | | | |
| 14) Methylene chloride | 2.61 | 84 | 3218 | 1.190 | ppb | | 88 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.82 | 96 | 50 | 0.018 | ppb | # | 72 |
| 18) Diisopropyl ether (DIPE) | 3.22 | 45 | 205 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 3.57 | 87 | 54 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.67 | 77 | 68 | N.D. | | | |
| 22] cis-1,2-Dichloroethene | 3.66 | 96 | 106 | 0.035 | ppb | | 94 |
| 23) Chloroform | 3.94 | 83 | 1151 | 0.220 | ppb | | 91 |
| 24) 2-Butanone (MEK) | 3.71 | 43 | 177 | N.D. | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.40 | 62 | 124 | N.D. | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 4.14 | 117 | 71 | N.D. | | | |
| 31] Benzene | 4.39 | 78 | 146 | 0.013 | ppb | | 78 |
| 32] Trichloroethene | 4.92 | 95 | 959 | 0.318 | ppb | | 92 |
| 33) 1,2-Dichloropropane | 5.04 | 63 | 55 | N.D. | | | |
| 34) Bromodichloromethane | 5.38 | 83 | 69 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061509.D
 Acq On : 15 Jun 2023 10:50 am
 Operator : LM
 Sample : 306191-06 rr
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

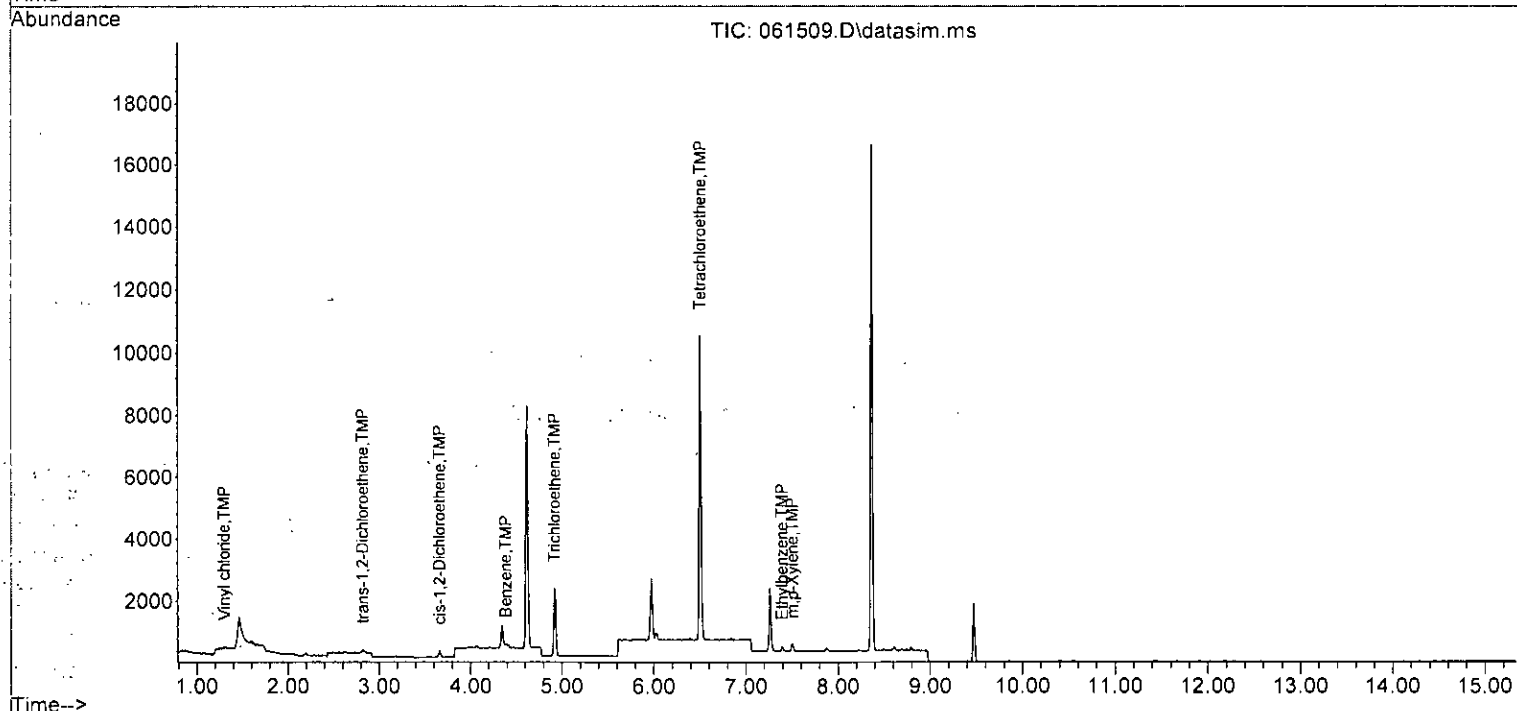
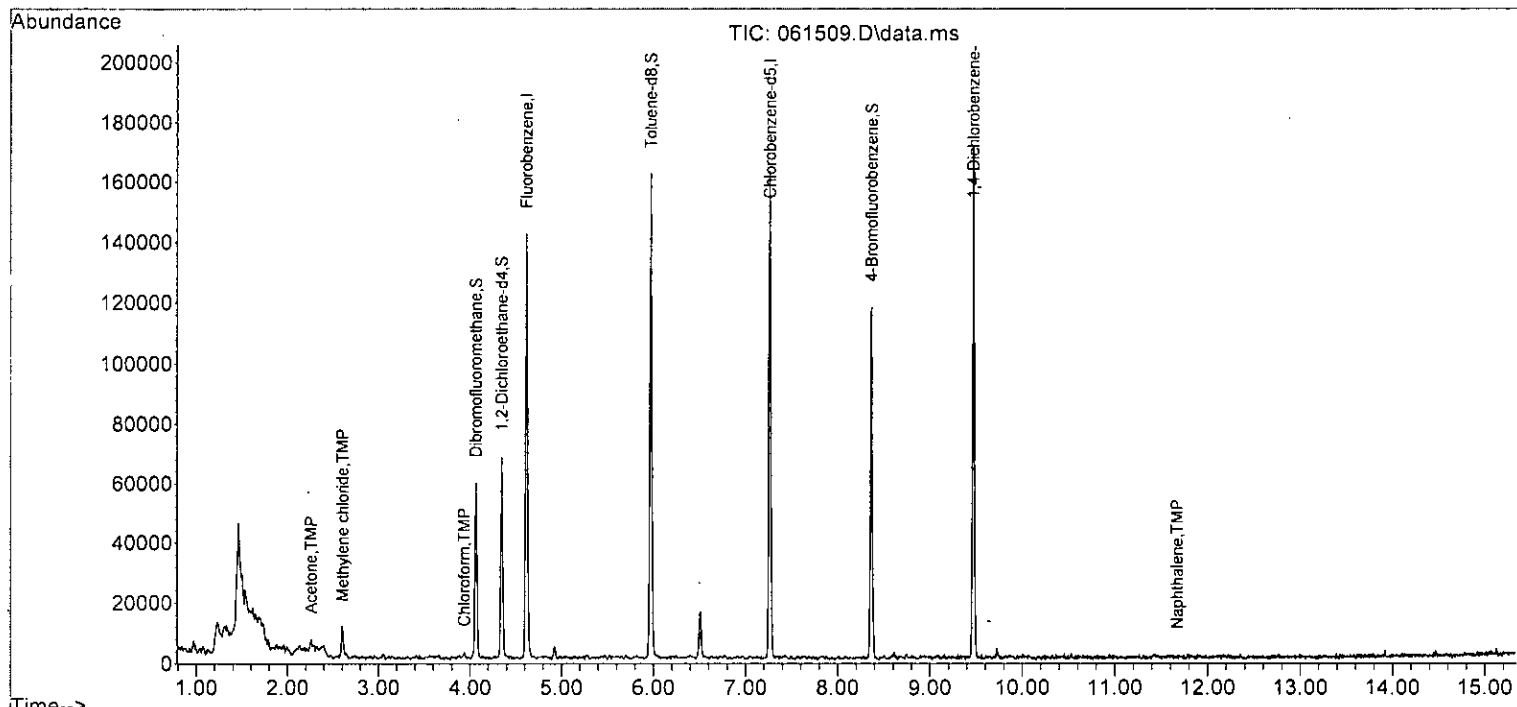
Quant Time: Jun 15 14:00:58 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 5.75 | 75 | 55 | | N.D. | |
| 40) Toluene | 6.03 | 92 | 144 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 6.22 | 75 | 111 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.39 | 83 | 88 | | N.D. | |
| 43) 2-Hexanone | 6.62 | 43 | 210 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.50 | 164 | 3399 | 1.614 | ppb | 93 |
| 46) Dibromochloromethane | 6.76 | 129 | 160 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49] Ethylbenzene | 7.39 | 91 | 177 | 0.015 | ppb | 95 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.50 | 106 | 91 | 0.021 | ppb | 100 |
| 52) o-Xylene | 0.00 | | 0 | | N.D. | |
| 53) Styrene | 7.81 | 104 | 128 | | N.D. | |
| 54) Isopropylbenzene | 8.16 | 105 | 94 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.61 | 91 | 101 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 113 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 8.34 | 83 | 63 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.79 | 91 | 304 | | N.D. | |
| 64) 4-Chlorotoluene | 8.79 | 91 | 304 | | N.D. | |
| 65) tert-Butylbenzene | 9.09 | 119 | 53 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 90 | | N.D. | |
| 67) sec-Butylbenzene | 9.30 | 105 | 62 | | N.D. | |
| 68) p-Isopropyltoluene | 9.46 | 119 | 66 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 51 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 163 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 10.81 | 75 | 62 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 11.43 | 180 | 56 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.67 | 128 | 223 | 0.028 | ppb | 68 |
| 76) 1,2,3-Trichlorobenzene | 11.72 | 180 | 65 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-15-23\
 Data File : 061509.D
 Acq On : 15 Jun 2023 10:50 am
 Operator : LM
 Sample : 306191-06 rr
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS11

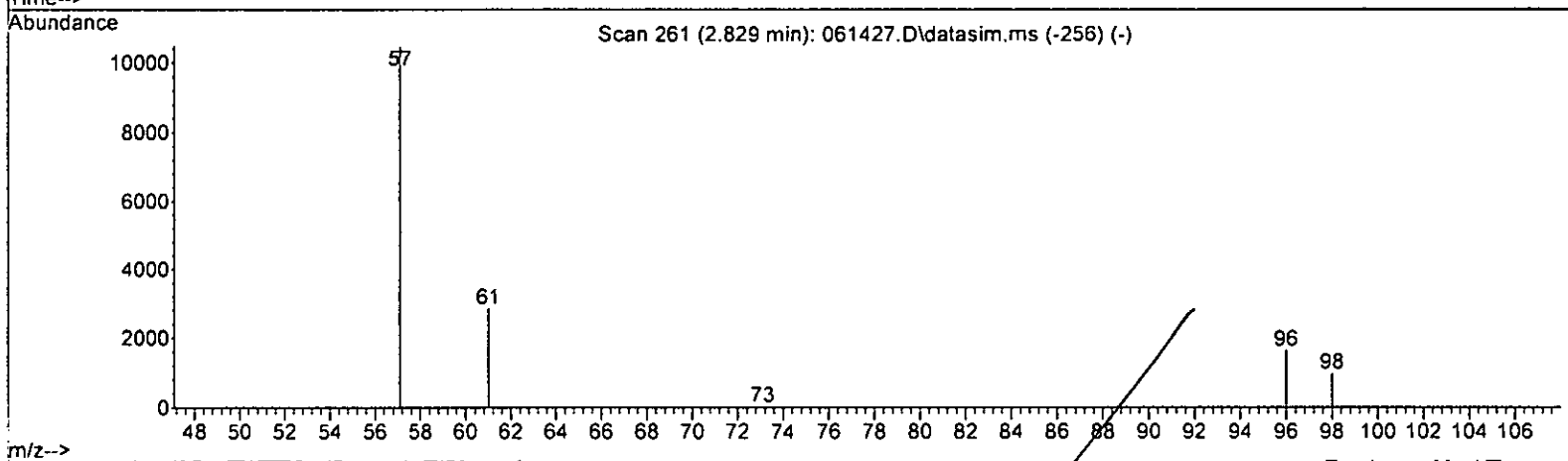
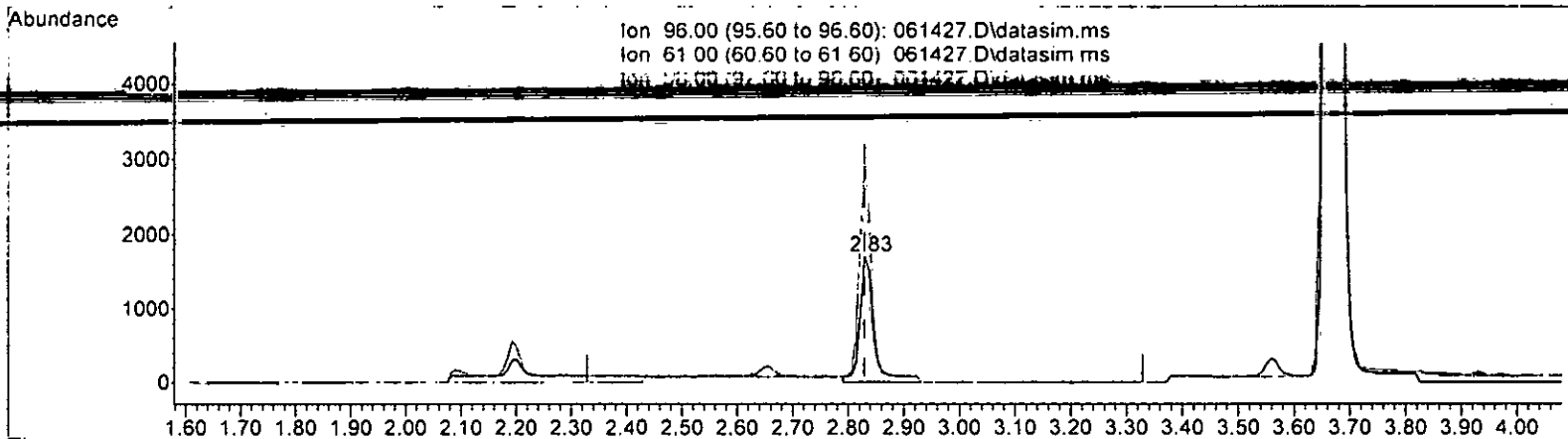
Quant Time: Jun 15 14:00:58 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061427.D\data.ms

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

2.829min (+ 0.000) 1.027 ppb

response 3013

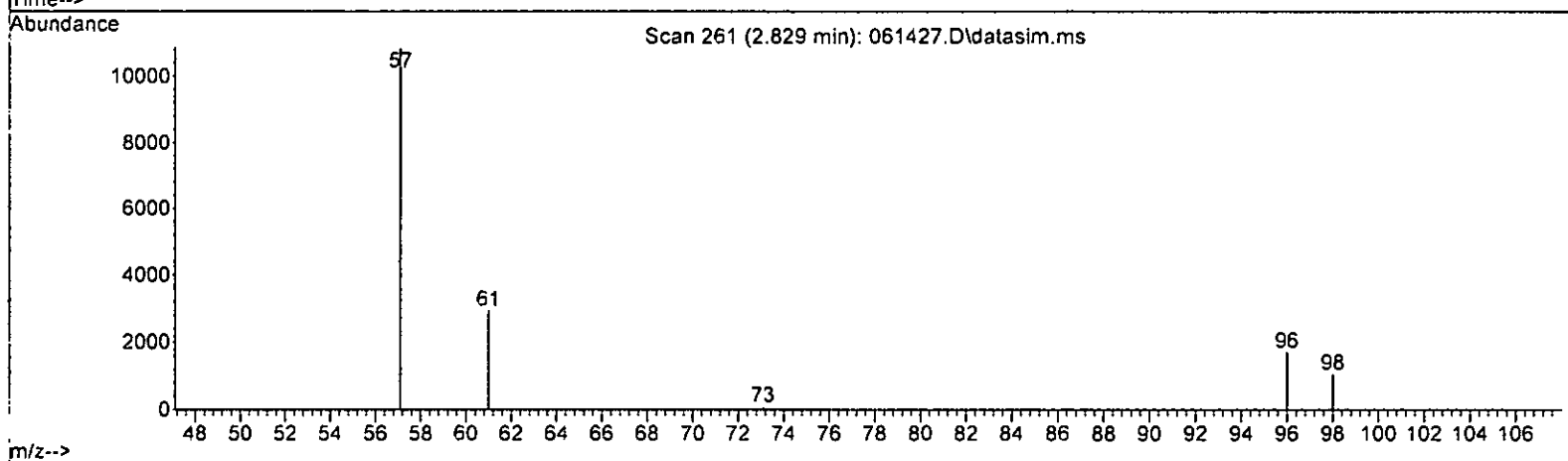
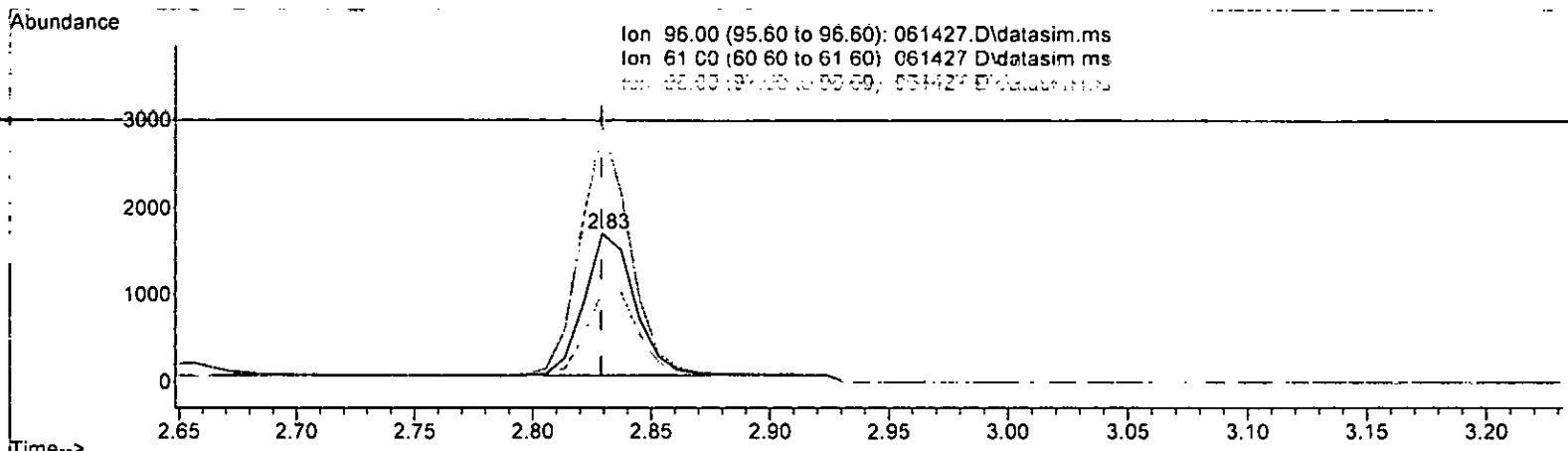
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 172.04 |
| 98.00 | 64.90 | 60.90 |
| 0.00 | 0.00 | 0.00 |

m 6/15

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



TIC: 061427.D\data.ms

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

2.829min (+ 0.000) 0.828 ppb m

response 2429

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 164.10 | 172.04 |
| 98.00 | 64.90 | 60.90 |
| 0.00 | 0.00 | 0.00 |

m/l/s

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

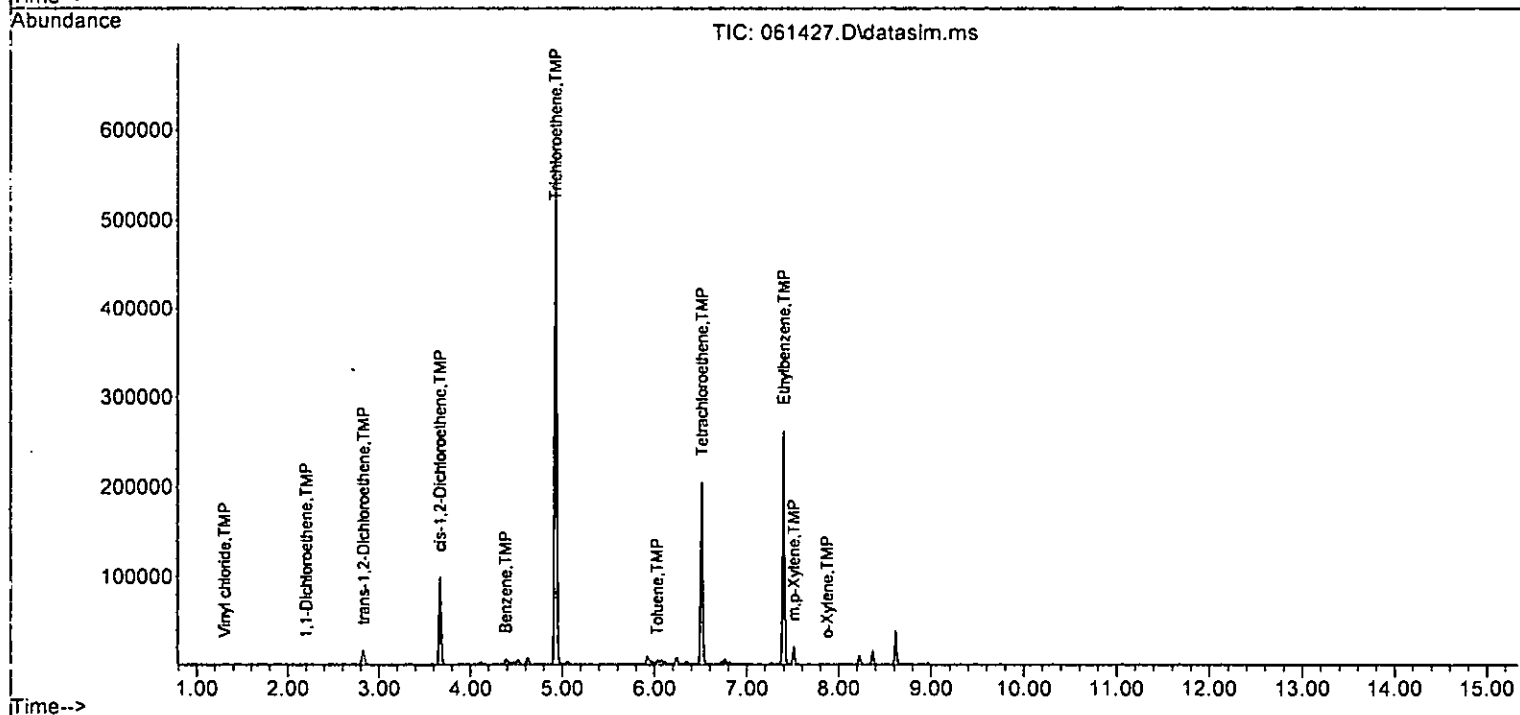
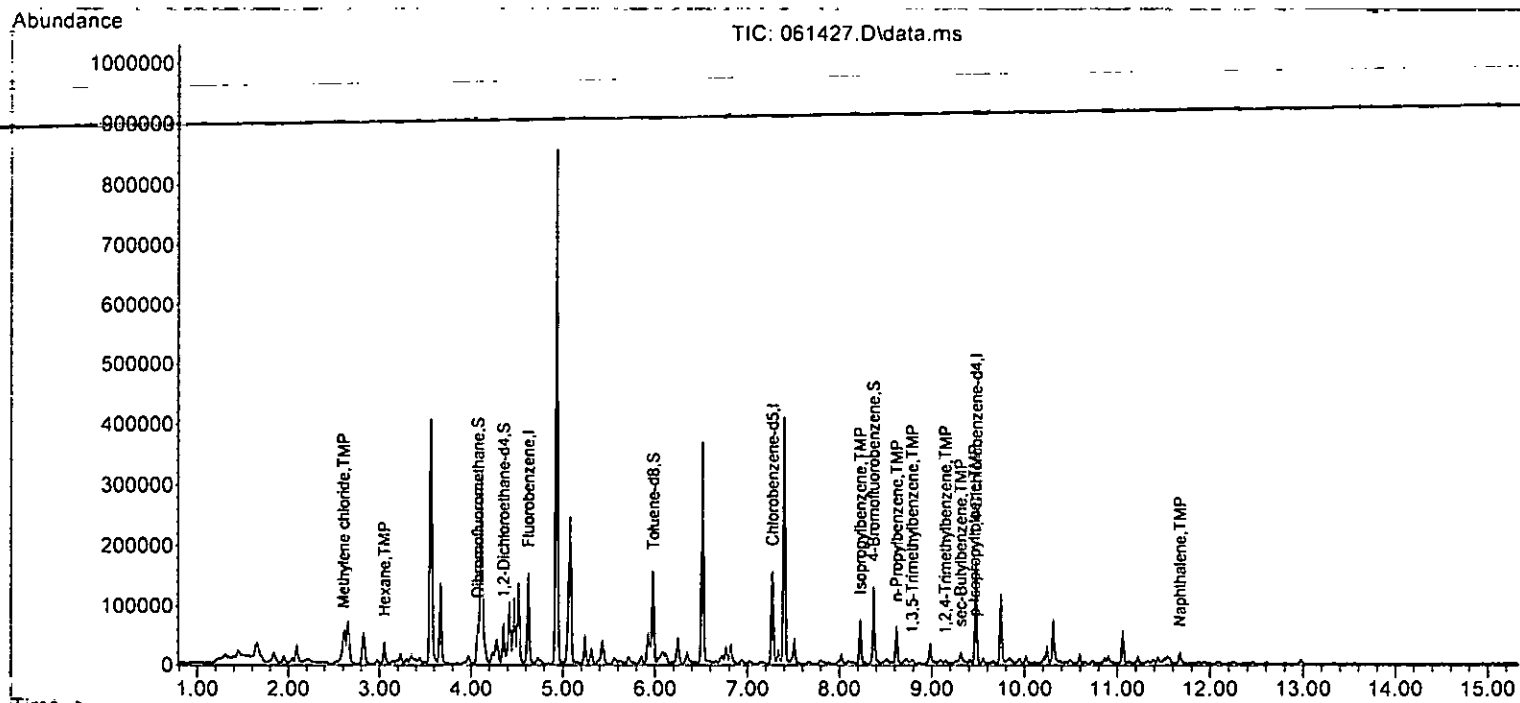
Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

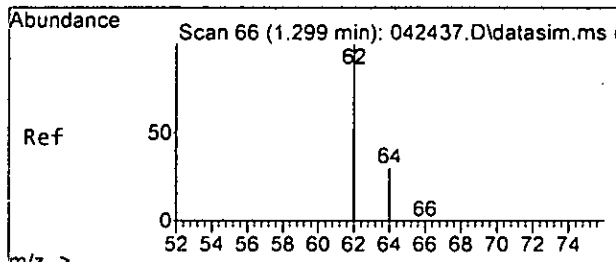
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|----------------|----------|--------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 91137 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68698 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33337 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 26080 | 10.093 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 6105 | 10.908 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 109.10% | | |
| 35) Toluene-d8 | 5.98 | 98 | 89809 | 10.084 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 100.80% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 34870 | 11.244 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 112.40% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.31 | 62 | 2471 | 0.287 | ppb | | 96 |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 367 | 0.087 | ppb | | 89 |
| 13) Hexane | 3.05 | 57 | 13211 | 3.019 | ppb | | 95 |
| 14) Methylene chloride | 2.61 | 84 | 2902 | 1.026 | ppb | | 85 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 2429m | 0.828 | ppb | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 47035 | 14.881 | ppb | | 94 |
| 31] Benzene | 4.38 | 78 | 8496 | 0.697 | ppb | | 96 |
| 32] Trichloroethene | 4.93 | 95 | 243128 | 77.109 | ppb | | 98 |
| 40] Toluene | 6.03 | 92 | 2065 | 0.285 | ppb | | 96 |
| 45] Tetrachloroethene | 6.51 | 164 | 66752 | 28.565 | ppb | | 97 |
| 49] Ethylbenzene | 7.40 | 91 | 261080 | 19.368 | ppb | | 100 |
| 51] m,p-Xylene | 7.51 | 106 | 7810 | 1.578 | ppb | | 98 |
| 52] o-Xylene | 7.87 | 106 | 312 | 0.062 | ppb | # | 78 |
| 54) Isopropylbenzene | 8.23 | 105 | 37169 | 3.327 | ppb | | 91 |
| 58) n-Propylbenzene | 8.62 | 91 | 42400 | 3.393 | ppb | | 91 |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 3076 | 0.352 | ppb | | 73 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 2548 | 0.280 | ppb | | 76 |
| 67) sec-Butylbenzene | 9.31 | 105 | 6992 | 0.622 | ppb | | 95 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 1931 | 0.208 | ppb | | 91 |
| 75) Naphthalene | 11.68 | 128 | 10612 | 1.301 | ppb | | 95 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

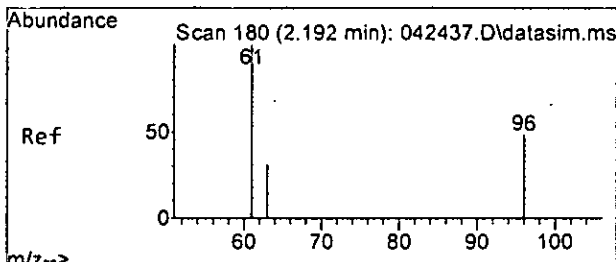
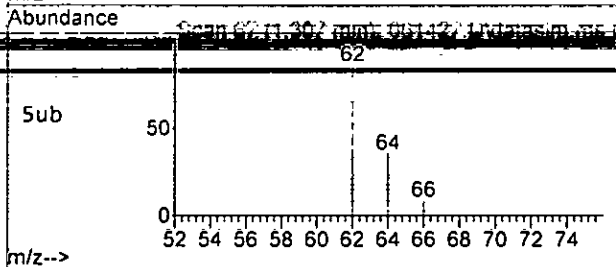
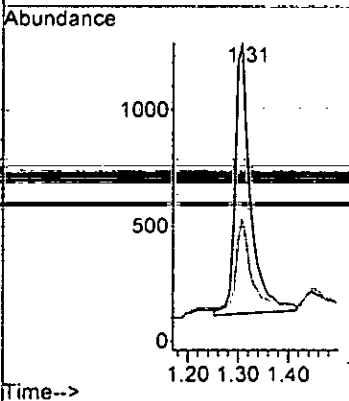
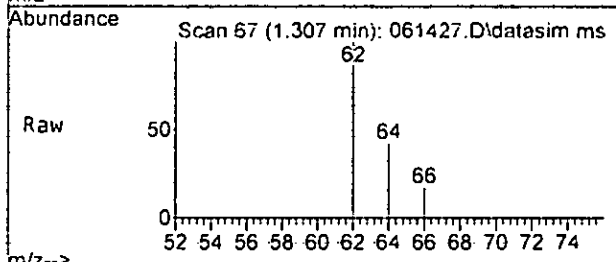
Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





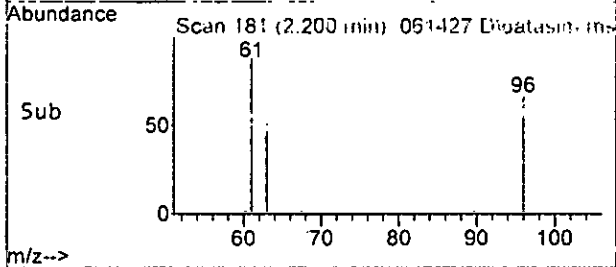
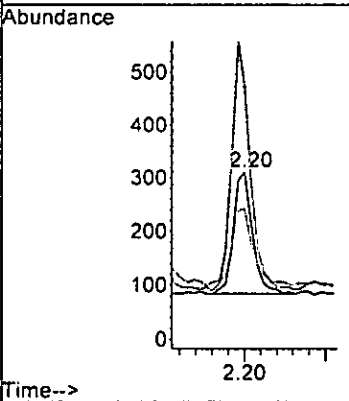
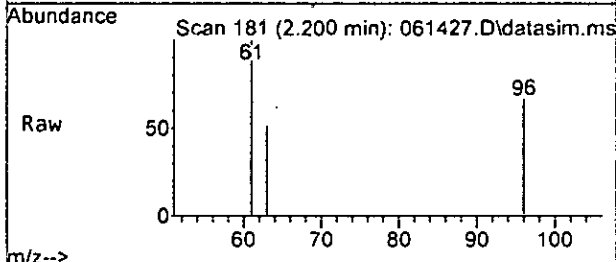
#6
 Vinyl chloride
 Concen: 0.287 ppb
 RT: 1.31 min Scan# 67
 Delta R.T. 0.008 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

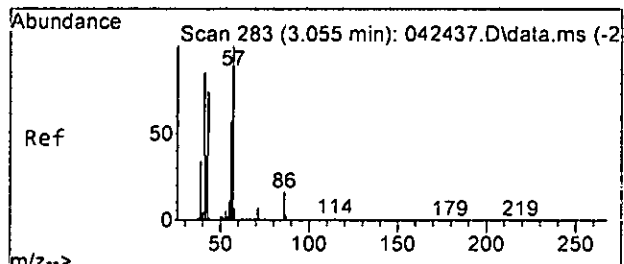
Tgt Ion: 62 Resp: 2471
 Ion Ratio Lower Upper
 62 100
 64 33.8 1.8 61.8



#12
 1,1-Dichloroethene
 Concen: 0.087 ppb
 RT: 2.20 min Scan# 181
 Delta R.T. 0.008 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

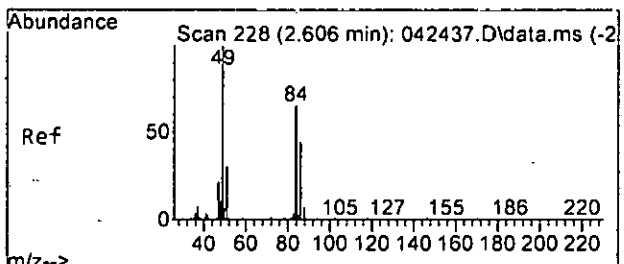
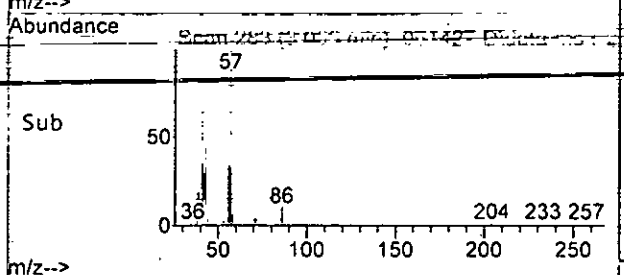
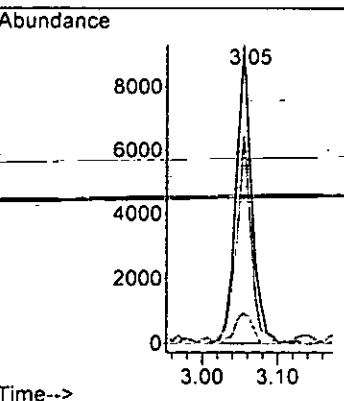
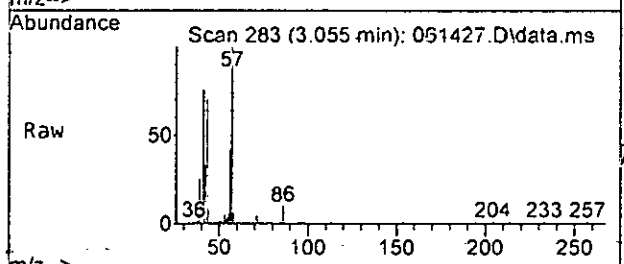
Tgt Ion: 96 Resp: 367
 Ion Ratio Lower Upper
 96 100
 61 168.3 158.7 218.7
 63 61.7 33.5 93.5





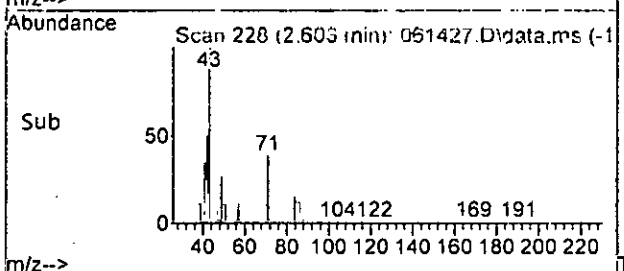
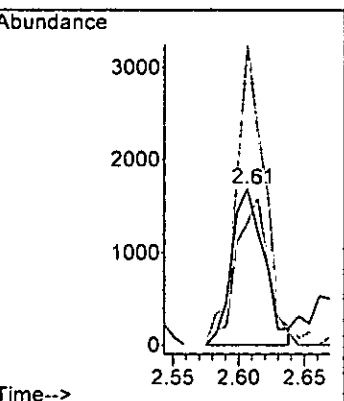
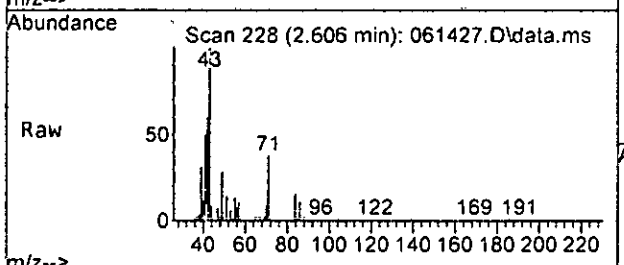
#13
 Hexane
 Concen: 3.019 ppb
 RT: 3.05 min Scan# 283
 Delta R.T. 0.008 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

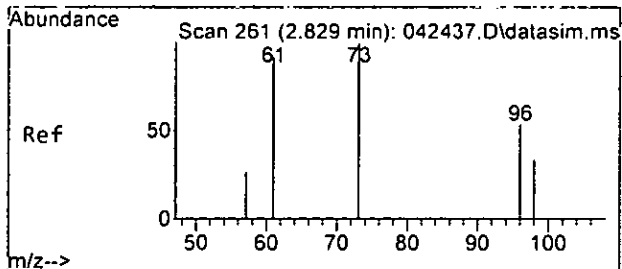
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 57 | 13211 | | |
| 43 | 68.9 | 42.2 | 102.2 |
| 86 | 10.2 | 0.0 | 44.3 |



#14
 Methylene chloride
 Concen: 1.026 ppb
 RT: 2.61 min Scan# 228
 Delta R.T. 0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 2902 | | |
| 86 | 77.5 | 41.4 | 101.4 |
| 49 | 191.8 | 137.3 | 197.3 |

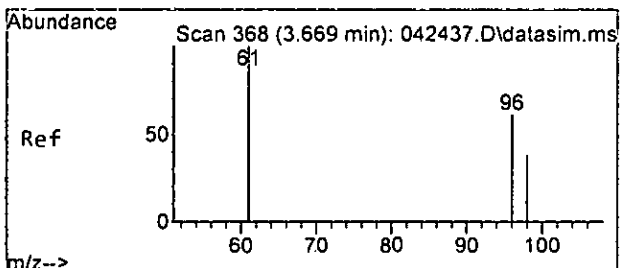
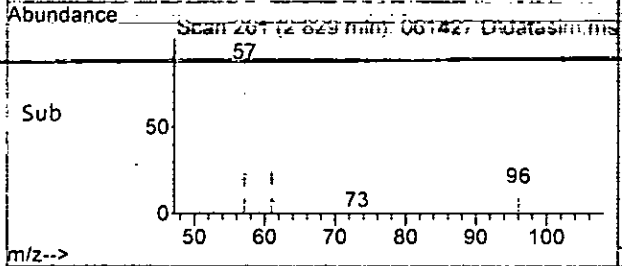
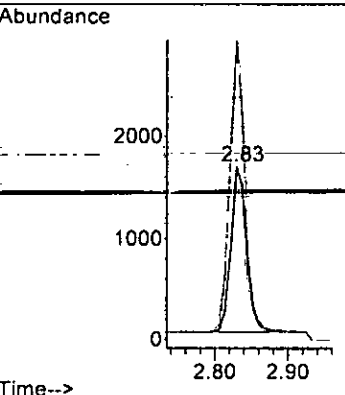
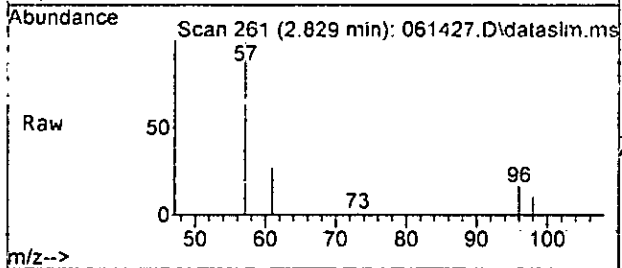




#17
 trans-1,2-Dichloroethene
 Concen: 0.828 ppb m
 RT: 2.83 min Scan# 261
 Delta R.T. 0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

Tgt Ion: 96 Resp: 2429

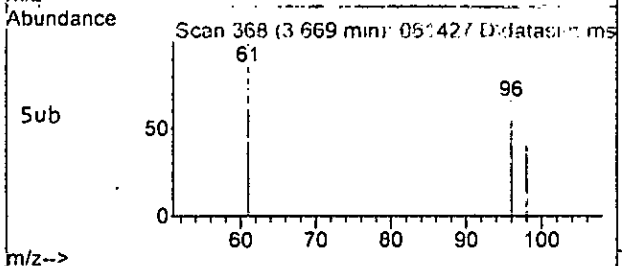
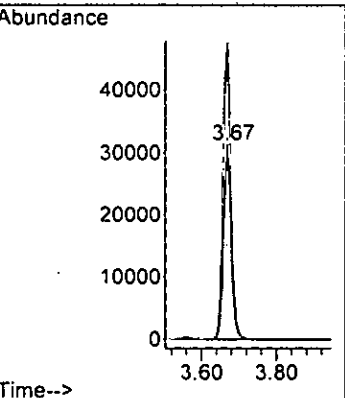
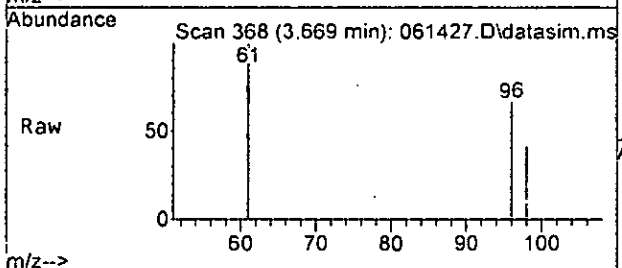
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 172.0 | 134.1 | 194.1 |
| 98 | 60.9 | 34.9 | 94.9 |

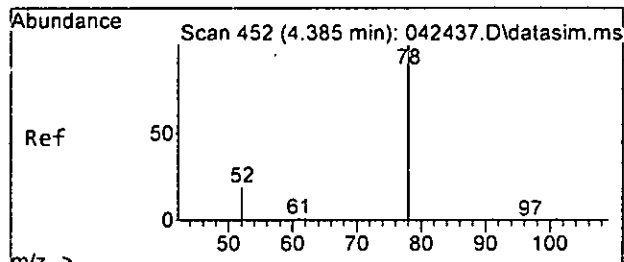


#22
 cis-1,2-Dichloroethene
 Concen: 14.881 ppb
 RT: 3.67 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

Tgt Ion: 96 Resp: 47035

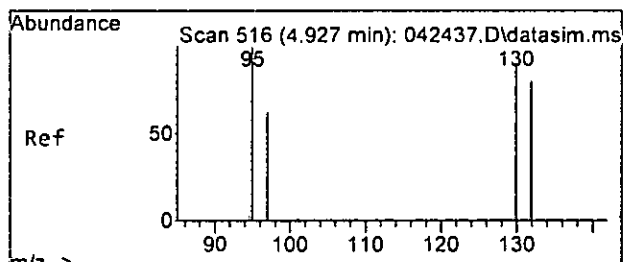
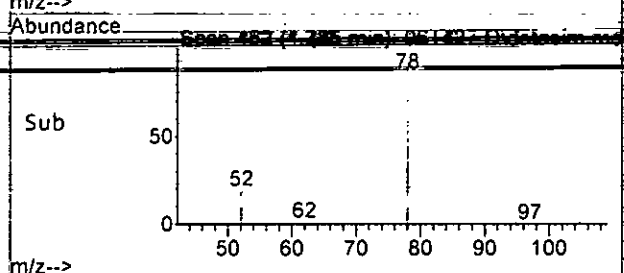
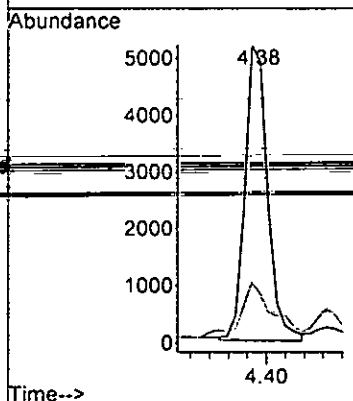
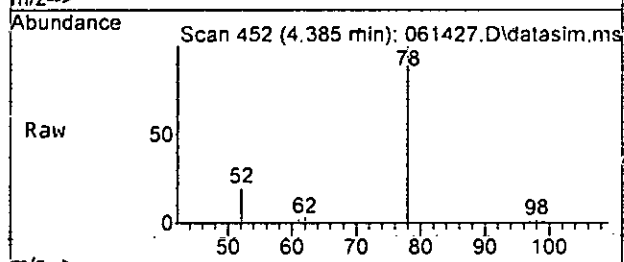
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 152.0 | 132.2 | 192.2 |
| 98 | 62.6 | 34.9 | 94.9 |





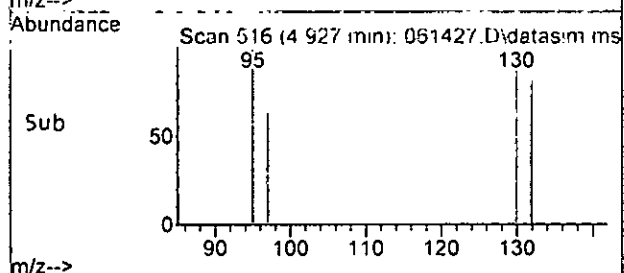
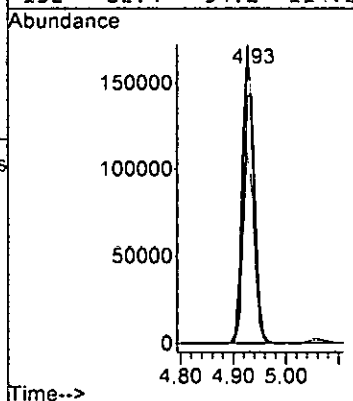
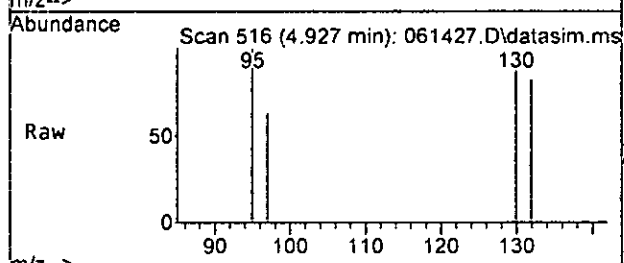
#31
Benzene
Concen: 0.697 ppb
RT: 4.38 min Scan# 452
Delta R.T. -0.000 min
Lab File: 061427.D
Acq: 14 Jun 2023 05:16 pm

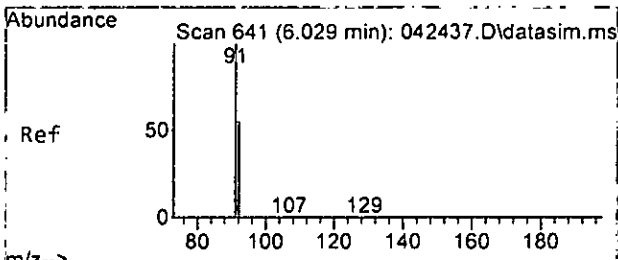
Tgt Ion: 78 Resp: 8496
Ion Ratio Lower Upper
78 100
52 17.1 0.0 49.1



#32
Trichloroethene
Concen: 77.109 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.000 min
Lab File: 061427.D
Acq: 14 Jun 2023 05:16 pm

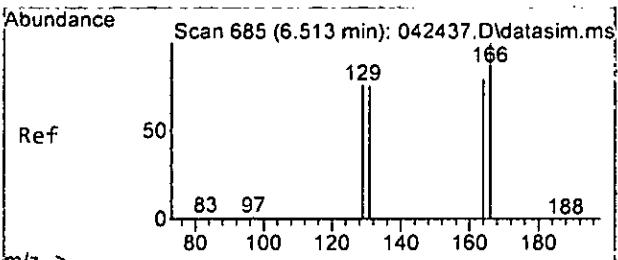
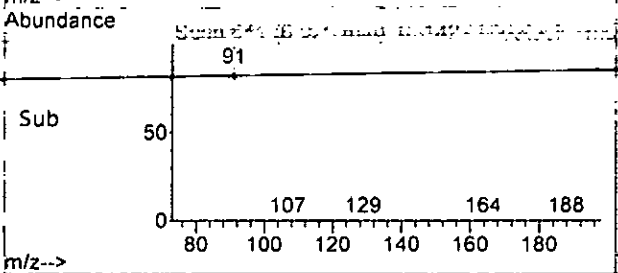
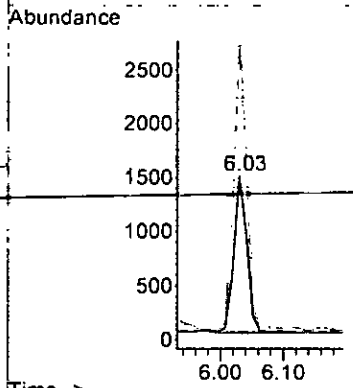
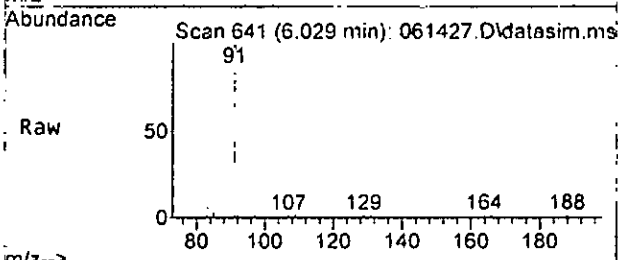
Tgt Ion: 95 Resp: 243128
Ion Ratio Lower Upper
95 100
97 63.3 33.6 93.6
130 90.4 62.5 122.5
132 82.4 54.2 114.2





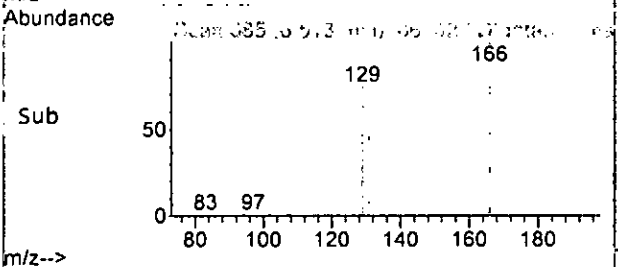
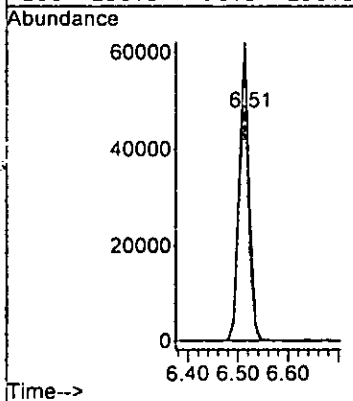
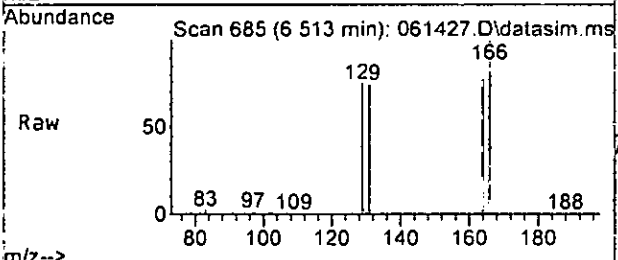
#40
 Toluene
 Concen: 0.285 ppb
 RT: 6.03 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

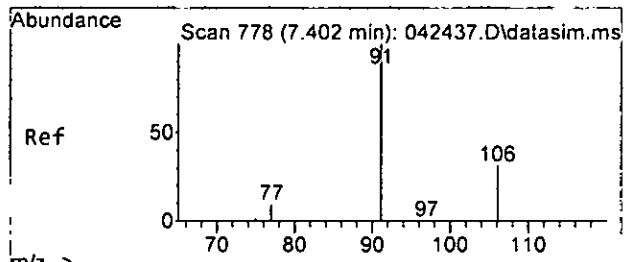
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 92 | 100 | | |
| 91 | 185.4 | 149.2 | 209.2 |



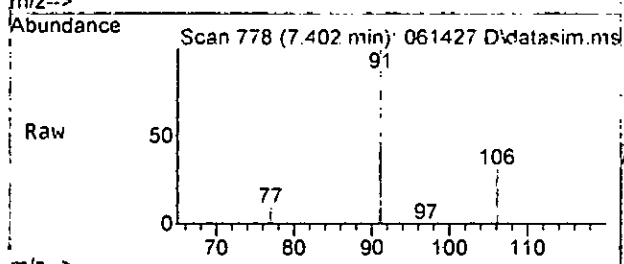
#45
 Tetrachloroethene
 Concen: 28.565 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 98.2 | 64.7 | 124.7 |
| 131 | 97.2 | 63.9 | 123.9 |
| 166 | 130.3 | 98.3 | 158.3 |

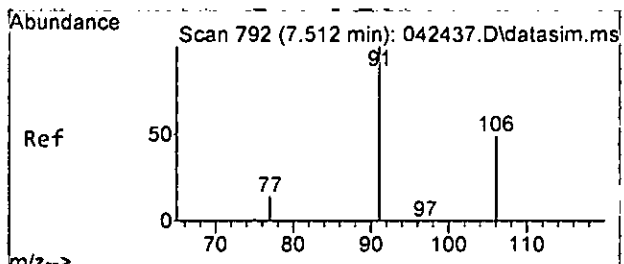
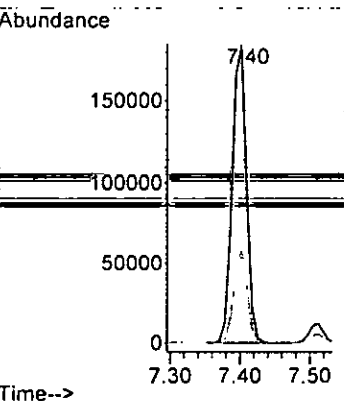
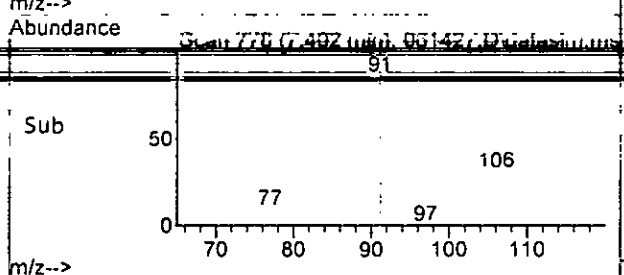




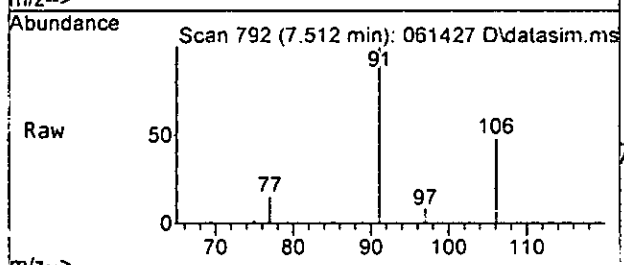
#49
 Ethylbenzene
 Concen: 19.368 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm



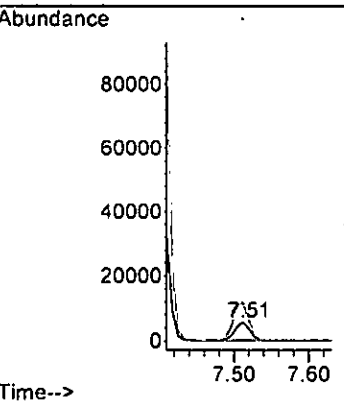
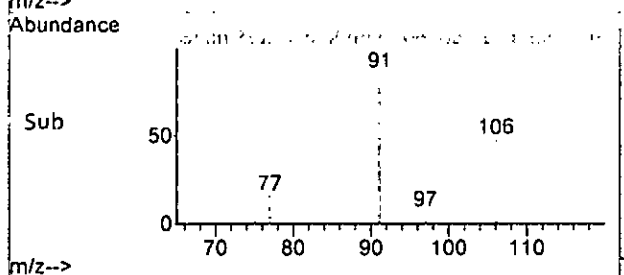
Tgt Ion: 91 Resp: 261080
 Ion Ratio Lower Upper
 91 100
 106 31.1 1.1 61.1

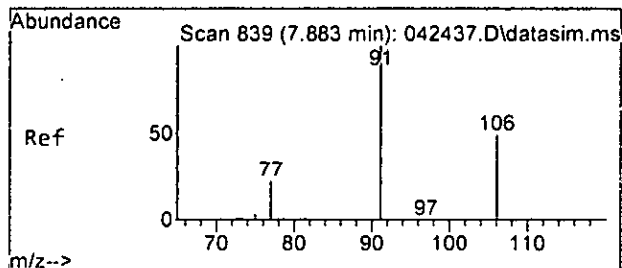


#51
 m,p-Xylene
 Concen: 1.578 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm



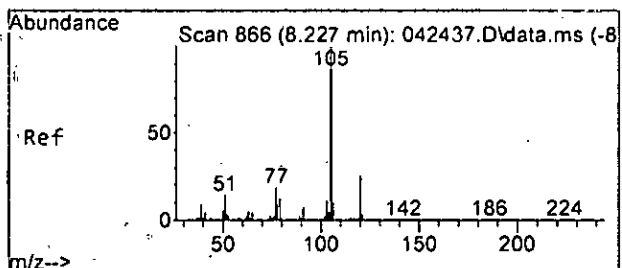
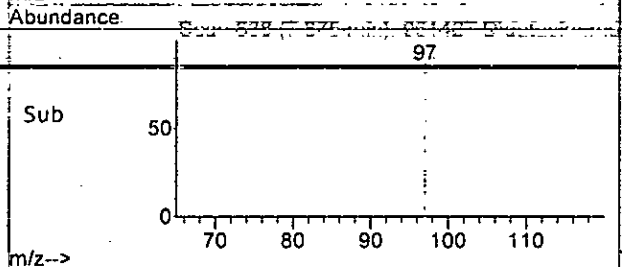
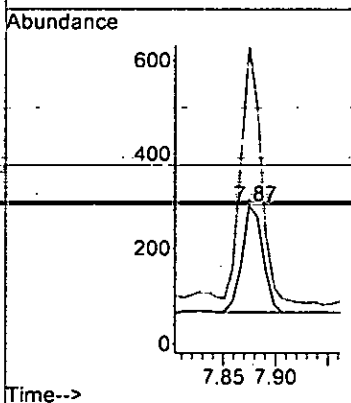
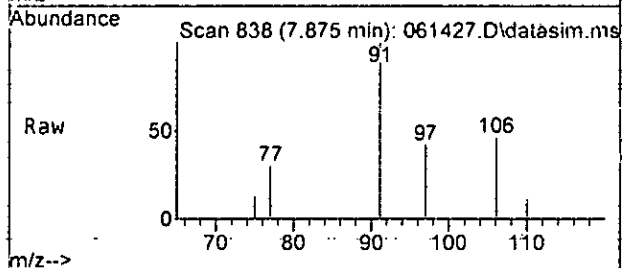
Tgt Ion: 106 Resp: 7810
 Ion Ratio Lower Upper
 106 100
 91 210.5 177.1 237.1





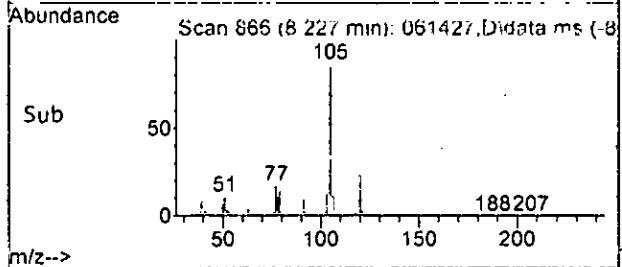
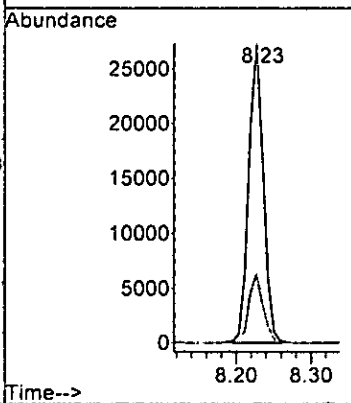
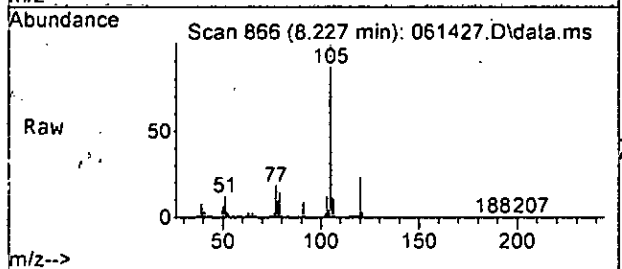
#52
 o-Xylene
 Concen: 0.062 ppb
 RT: 7.87 min Scan# 838
 Delta R.T. -0.008 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

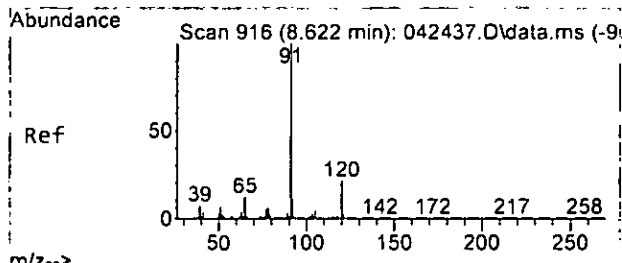
Tgt Ion: 106 Resp: 312
 Ion Ratio Lower Upper
 106 100
 91 241.3 177.0 237.0#



#54
 Isopropylbenzene
 Concen: 3.327 ppb
 RT: 8.23 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

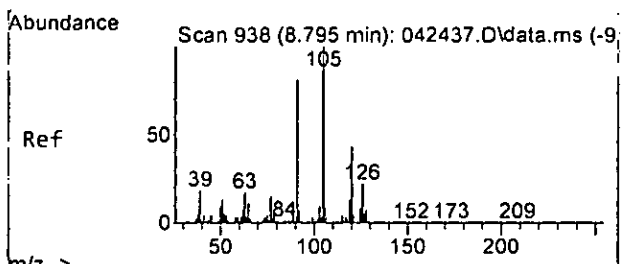
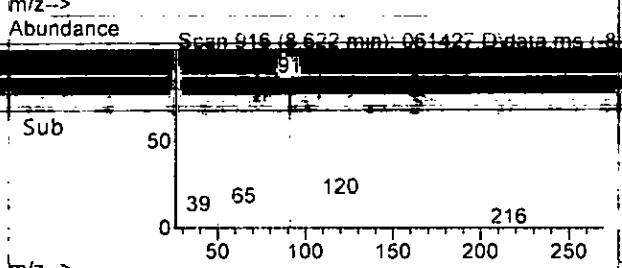
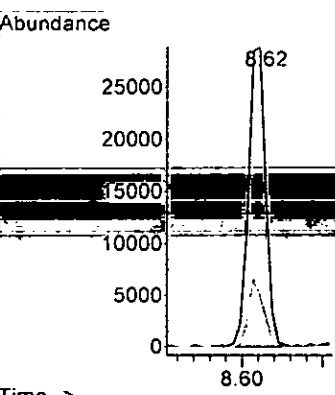
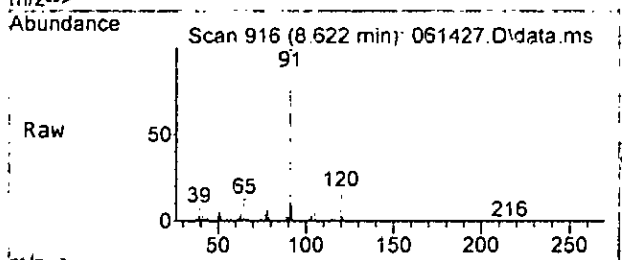
Tgt Ion: 105 Resp: 37169
 Ion Ratio Lower Upper
 105 100
 120 23.1 0.0 57.8





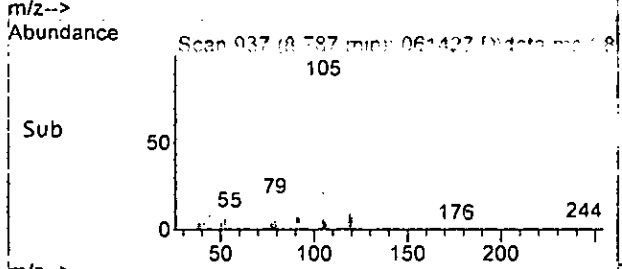
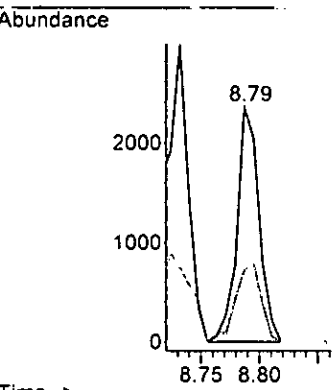
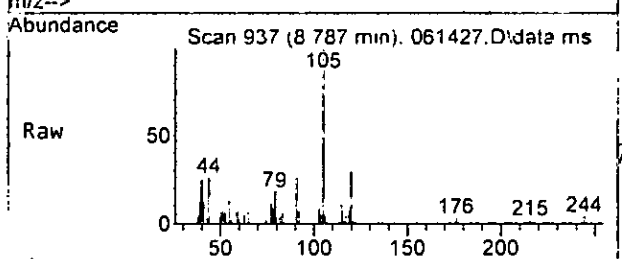
#58
 n-Propylbenzene
 Concen: 3.393 ppb
 RT: 8.62 min Scan# 916
 Delta R.T. 0.001 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

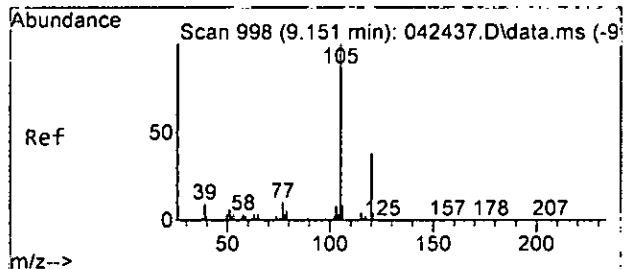
Tgt Ion: 91 Resp: 42400
 Ion Ratio Lower Upper
 91 100
 120 17.4 0.0 51.4



#60
 1,3,5-Trimethylbenzene
 Concen: 0.352 ppb
 RT: 8.79 min Scan# 937
 Delta R.T. -0.008 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

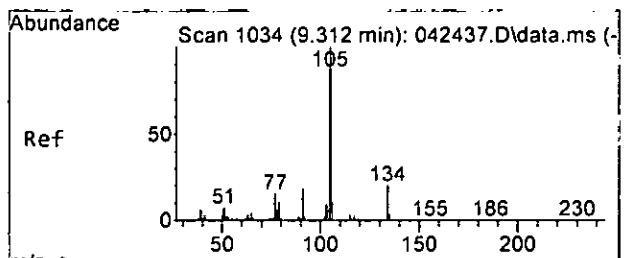
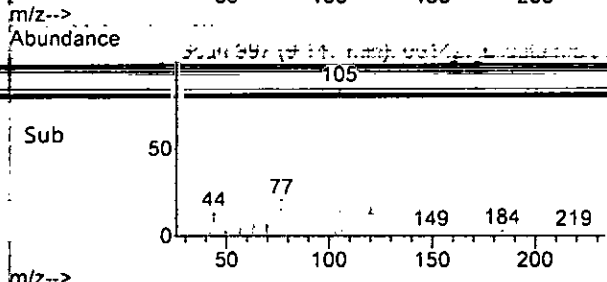
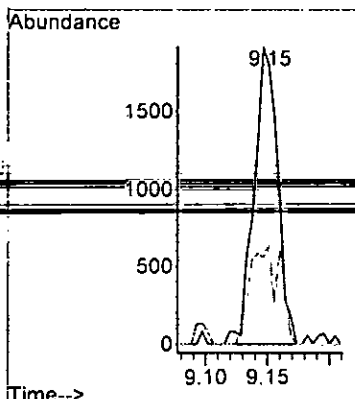
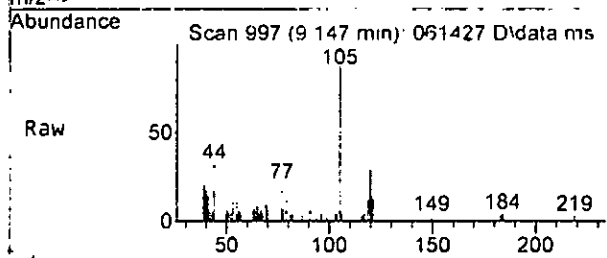
Tgt Ion: 105 Resp: 3076
 Ion Ratio Lower Upper
 105 100
 120 30.5 18.6 78.6





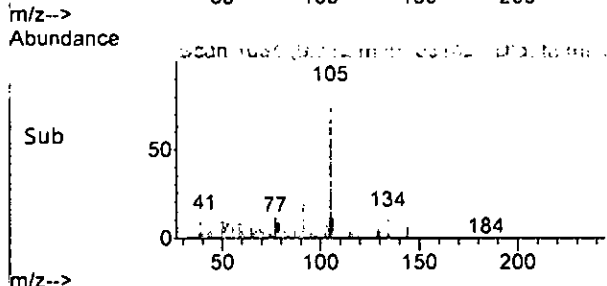
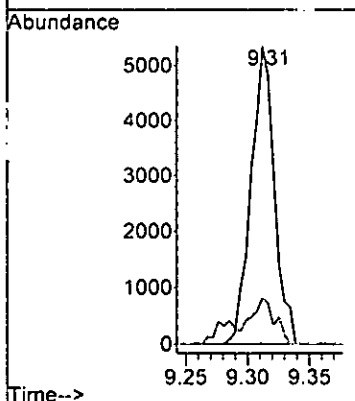
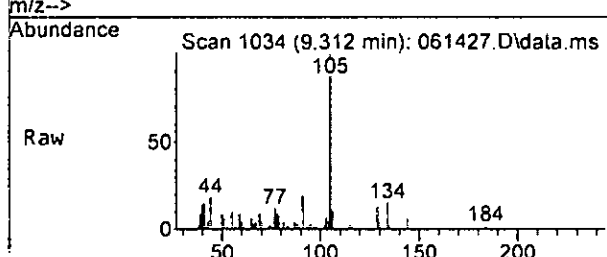
#66
 1,2,4-Trimethylbenzene
 Concen: 0.280 ppb
 RT: 9.15 min Scan# 997
 Delta R.T. -0.004 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

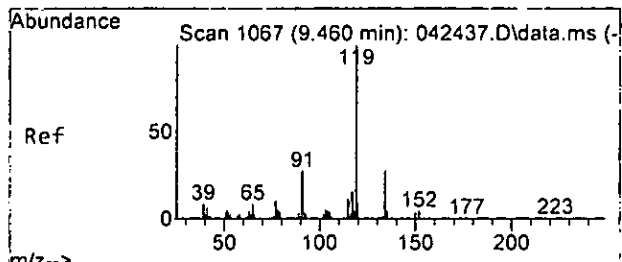
Tgt Ion: 105 Resp: 2548
 Ion Ratio Lower Upper
 105 100
 120 29.3 15.0 75.0



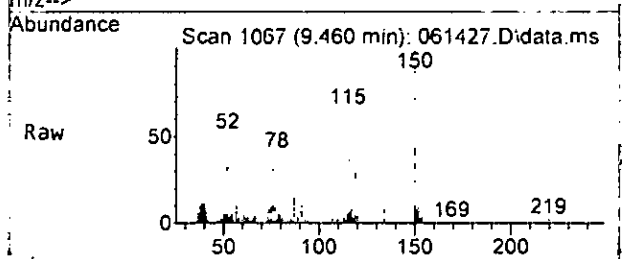
#67
 sec-Butylbenzene
 Concen: 0.622 ppb
 RT: 9.31 min Scan# 1034
 Delta R.T. -0.005 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm

Tgt Ion: 105 Resp: 6992
 Ion Ratio Lower Upper
 105 100
 134 15.3 0.0 47.6

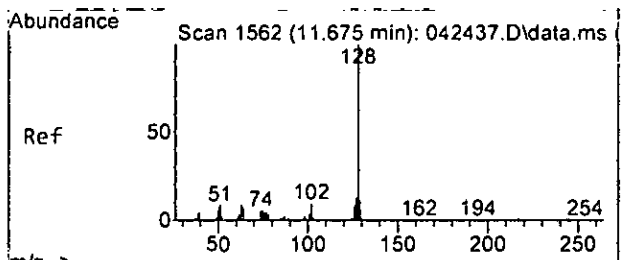
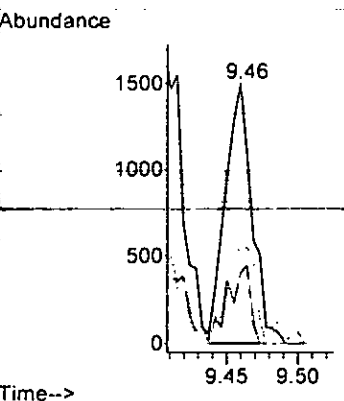
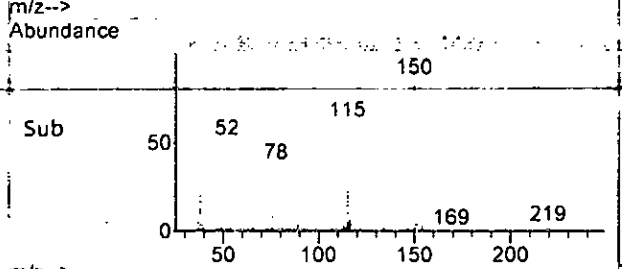




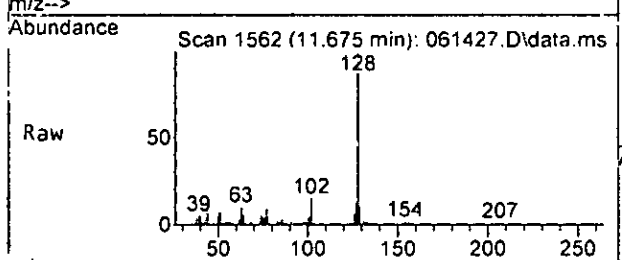
#68
 p-Isopropyltoluene
 Concen: 0.208 ppb
 RT: 9.46 min Scan# 1067
 Delta R.T. -0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm



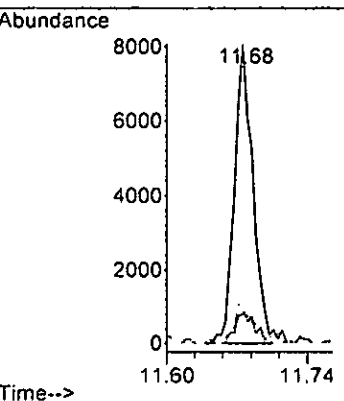
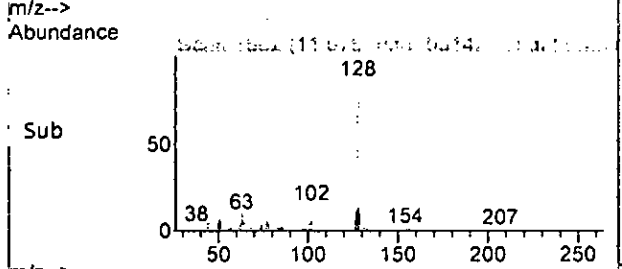
Tgt Ion: 119 Resp: 1931
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 56.7
 91 34.3 0.0 54.8



#75
 Naphthalene
 Concen: 1.301 ppb
 RT: 11.68 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: 061427.D
 Acq: 14 Jun 2023 05:16 pm



Tgt Ion: 128 Resp: 10612
 Ion Ratio Lower Upper
 128 100
 129 9.3 0.0 42.2
 127 11.8 0.0 42.6



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|-----------|-------|----------|--|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 91137 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 68698 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33337 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 26080 | 10.093 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = 100.90% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 6105 | 10.908 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = 109.10% | | | |
| 35) Toluene-d8 | 5.98 | 98 | 89809 | 10.084 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = 100.80% | | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 34870 | 11.244 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = 112.40% | | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.85 | 45 | 203 | No Calib | # | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 205 | N.D. | | | |
| 5) Chloromethane | 1.22 | 50 | 1027 | N.D. | | | |
| 6] Vinyl chloride | 1.31 | 62 | 2471 | 0.287 | ppb | 96 | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 1.60 | 64 | 516 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 619 | No Calib | | | |
| 11) Acetone | 2.26 | 58 | 235 | N.D. | | | |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 367 | 0.087 | ppb | 89 | |
| 13) Hexane | 3.05 | 57 | 13211 | 3.019 | ppb | 95 | |
| 14) Methylene chloride | 2.61 | 84 | 2902 | 1.026 | ppb | 85 | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 2429m | 0.828 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.27 | 45 | 80 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | d | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.64 | 77 | 124 | N.D. | | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 47035 | 14.881 | ppb | 94 | |
| 23) Chloroform | 3.93 | 83 | 444 | N.D. | | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 4.55 | 73 | 87 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | N.D. | d | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 4.13 | 75 | 265 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.38 | 78 | 8496 | 0.697 | ppb | 96 | |
| 32] Trichloroethene | 4.93 | 95 | 243128 | 77.109 | ppb | 98 | |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 243 | N.D. | | | |
| 34) Bromodichloromethane | 5.35 | 83 | 101 | N.D. | | | |
| 36) Dibromomethane | 5.22 | 93 | 84 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

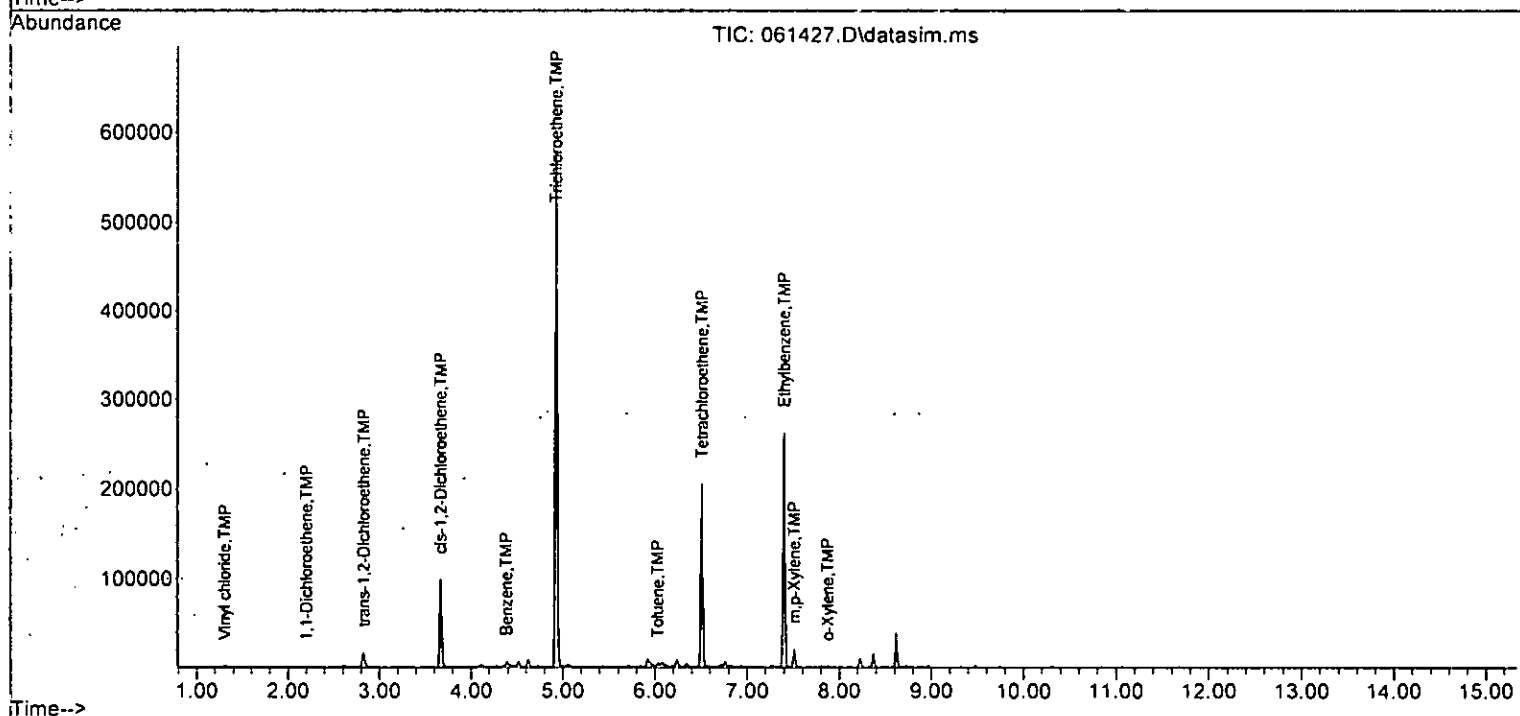
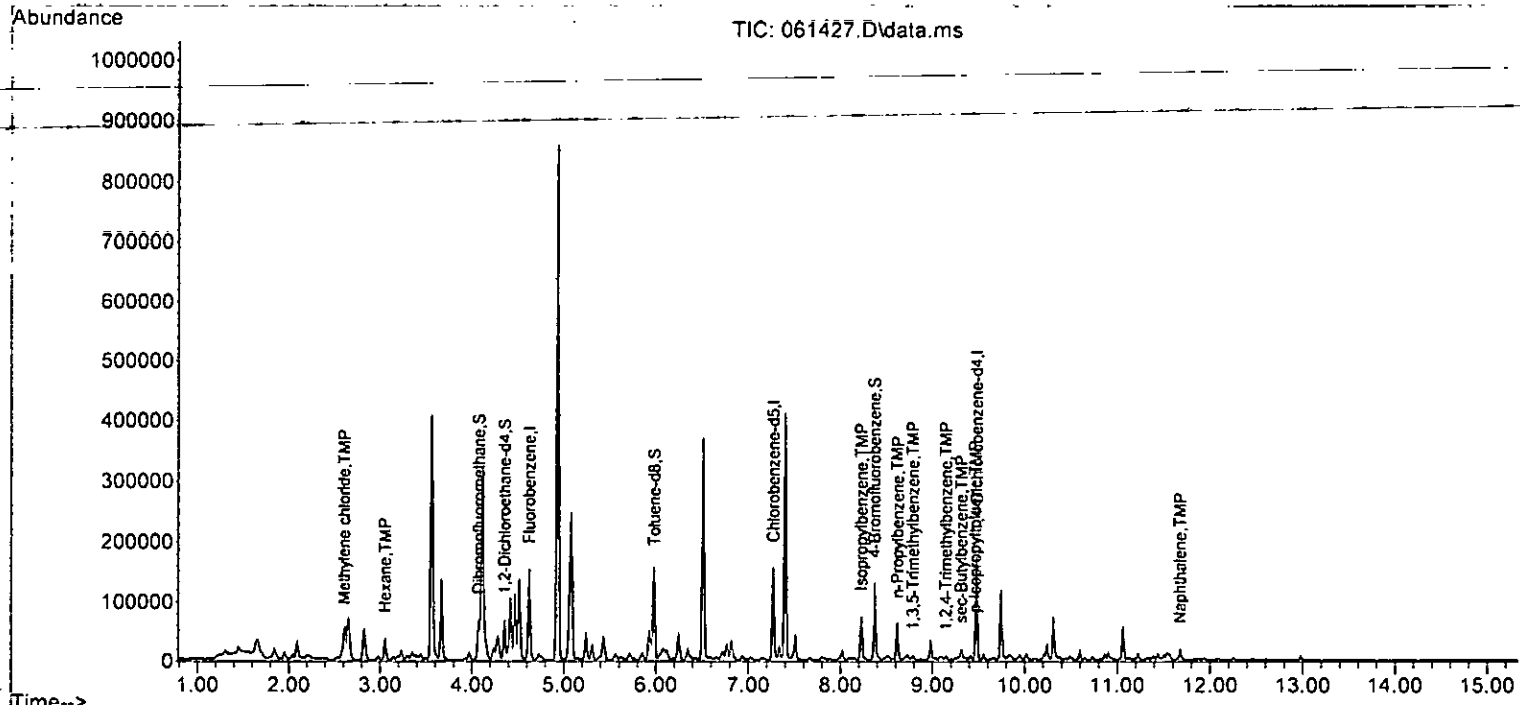
Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 5.84 | 75 | 90 | | N.D. | |
| 40] Toluene | 6.03 | 92 | 2065 | 0.285 | ppb | 96 |
| 41) trans-1,3-Dichloropropene | 6.21 | 75 | 86 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. d | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.51 | 164 | 66752 | 28.565 | ppb | 97 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 7.48 | 112 | 263 | | N.D. | |
| 49] Ethylbenzene | 7.40 | 91 | 261080 | 19.368 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 76 | | N.D. | |
| 51] m,p-Xylene | 7.51 | 106 | 7810 | 1.578 | ppb | 98 |
| 52] o-Xylene | 7.87 | 106 | 312 | 0.062 | ppb # | 78 |
| 53) Styrene | 7.90 | 104 | 301 | | N.D. | |
| 54) Isopropylbenzene | 8.23 | 105 | 37169 | 3.327 | ppb | 91 |
| 55) Bromoform | 8.18 | 173 | 83 | | N.D. | |
| 58) n-Propylbenzene | 8.62 | 91 | 42400 | 3.393 | ppb | 91 |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.79 | 105 | 3076 | 0.352 | ppb | 73 |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. d | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. d | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 64) 4-Chlorotoluene | 8.79 | 91 | 859 | | N.D. | |
| 65) tert-Butylbenzene | 9.10 | 119 | 654 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 2548 | 0.280 | ppb | 76 |
| 67) sec-Butylbenzene | 9.31 | 105 | 6992 | 0.622 | ppb | 95 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 1931 | 0.208 | ppb | 91 |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 80 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 72 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 9.85 | 146 | 55 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 10.59 | 75 | 59 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 10612 | 1.301 | ppb | 95 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061427.D
 Acq On : 14 Jun 2023 05:16 pm
 Operator : LM
 Sample : 306191-07 1/10
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:36 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061426.D
 Acq On : 14 Jun 2023 04:54 pm
 Operator : LM
 Sample : 306191-08
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

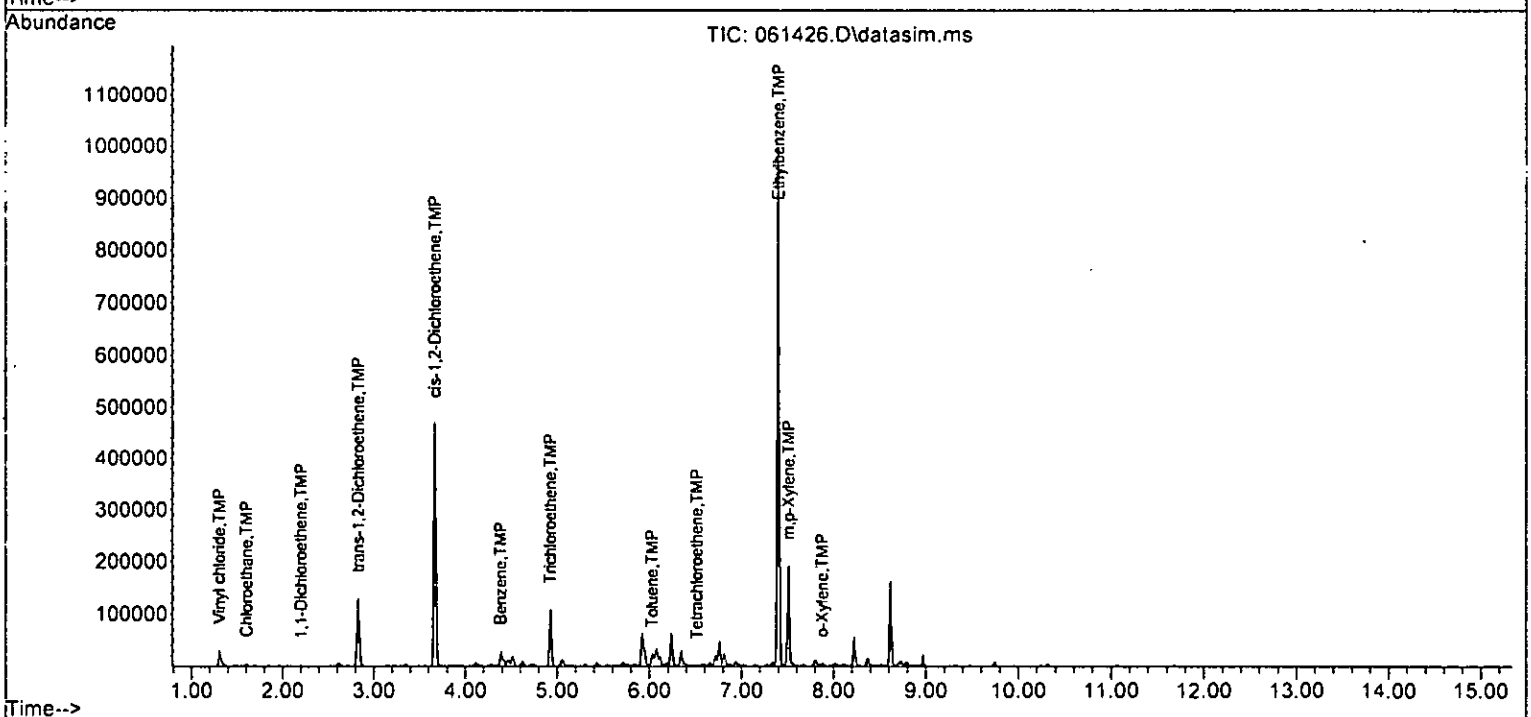
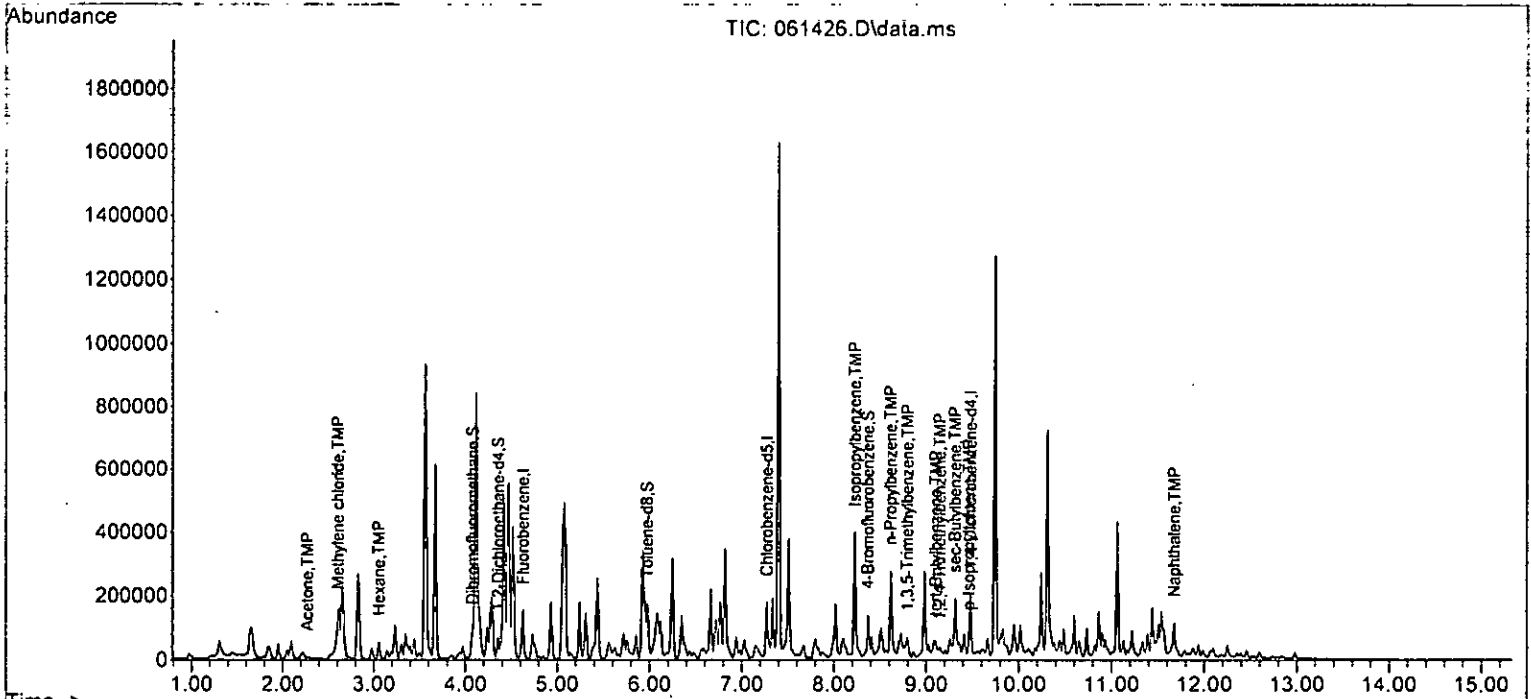
Quant Time: Jun 15 08:59:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

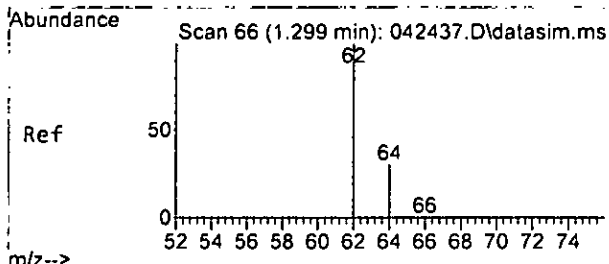
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|-------|----------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 89063 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65465 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 35972 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 25597 | 10.137 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 101.40% | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5528 | 10.107 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 78 - 126 | Recovery | = | 101.10% | |
| 35) Toluene-d8 | 5.97 | 98 | 95227 | 10.941 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range | 84 - 115 | Recovery | = | 109.40% | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 35452 | 10.594 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 72 - 130 | Recovery | = | 105.90% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.31 | 62 | 44413 | 5.270 | ppb | | 99 |
| 8] Chloroethane | 1.60 | 64 | 5397 | 0.989 | ppb | | 100 |
| 11) Acetone | 2.27 | 58 | 562 | 1.090 | ppb | | 96 |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 516 | 0.125 | ppb | | 88 |
| 13) Hexane | 3.05 | 57 | 19055 | 4.456 | ppb | | 98 |
| 14) Methylene chloride | 2.61 | 84 | 3169 | 1.146 | ppb | # | 76 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 41432 | 14.446 | ppb | | 91 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 219176 | 70.956 | ppb | | 94 |
| 31] Benzene | 4.38 | 78 | 36970 | 3.104 | ppb | | 100 |
| 32] Trichloroethene | 4.93 | 95 | 45635 | 14.810 | ppb | | 98 |
| 40] Toluene | 6.03 | 92 | 11206 | 1.685 | ppb | | 99 |
| 45] Tetrachloroethene | 6.51 | 164 | 119 | 0.043 | ppb | | 86 |
| 49] Ethylbenzene | 7.40 | 91 | 977597 | 76.106 | ppb | | 98 |
| 51] m,p-Xylene | 7.51 | 106 | 69165m | 14.662 | ppb | | |
| 52] o-Xylene | 7.87 | 106 | 987 | 0.205 | ppb | # | 80 |
| 54) Isopropylbenzene | 8.23 | 105 | 196711 | 18.480 | ppb | | 92 |
| 58) n-Propylbenzene | 8.61 | 91 | 171874 | 12.748 | ppb | | 99 |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 22689 | 2.404 | ppb | | 90 |
| 65) tert-Butylbenzene | 9.10 | 119 | 8265 | 1.058 | ppb | | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 5138 | 0.523 | ppb | | 85 |
| 67) sec-Butylbenzene | 9.31 | 105 | 50784 | 4.188 | ppb | | 93 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 7604 | 0.758 | ppb | | 92 |
| 75) Naphthalene | 11.68 | 128 | 49350 | 5.609 | ppb | | 98 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061426.D
 Acq On : 14 Jun 2023 04:54 pm
 Operator : LM
 Sample : 306191-08
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

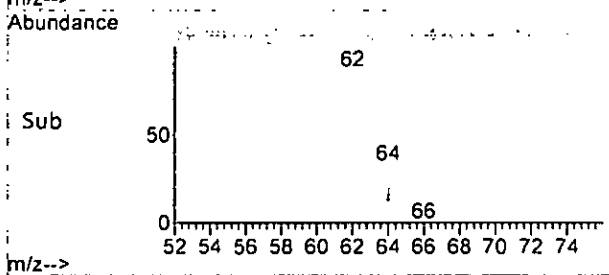
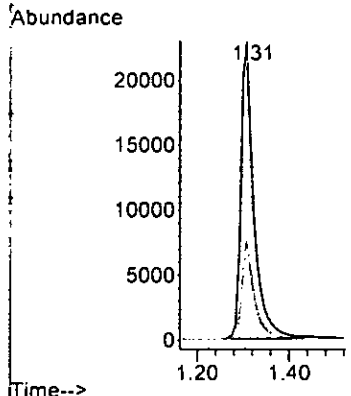
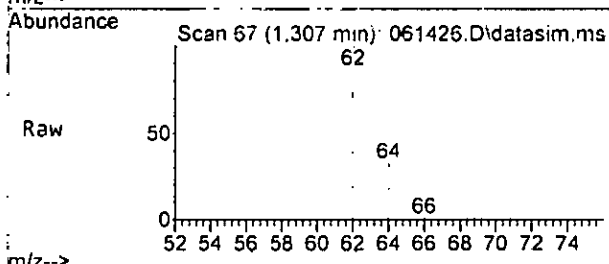
Quant Time: Jun 15 08:59:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





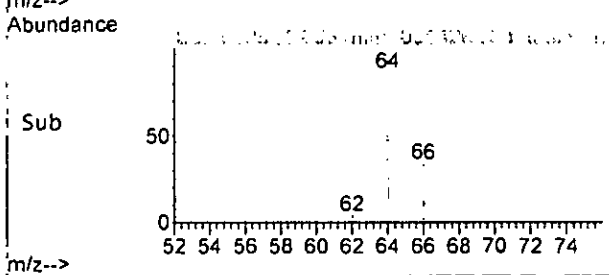
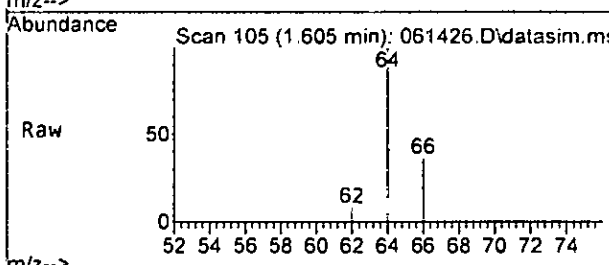
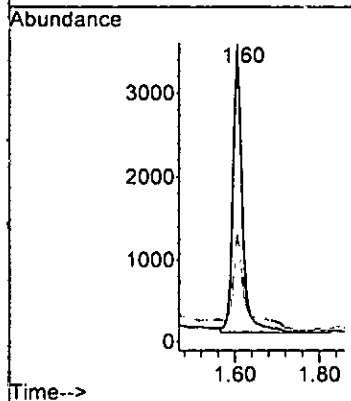
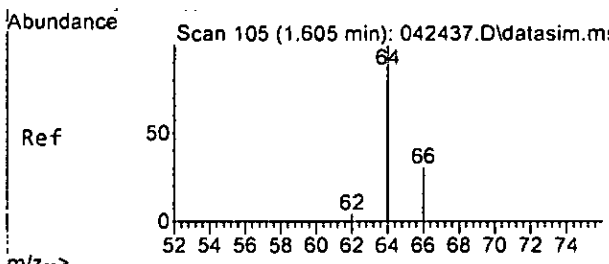
#6
 Vinyl chloride
 Concen: 5.270 ppb
 RT: 1.31 min Scan# 67
 Delta R.T. 0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

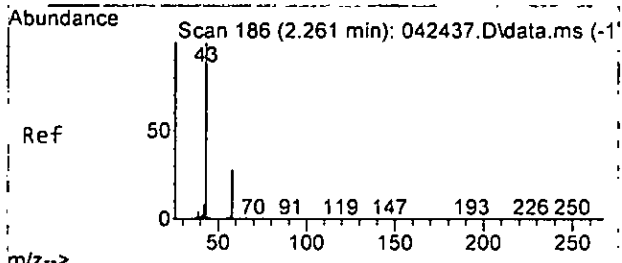
Tgt Ion: 62 Resp: 44413
 Ion Ratio Lower Upper
 62 100
 64 32.4 1.8 61.8



#8
 Chloroethane
 Concen: 0.989 ppb
 RT: 1.60 min Scan# 105
 Delta R.T. 0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

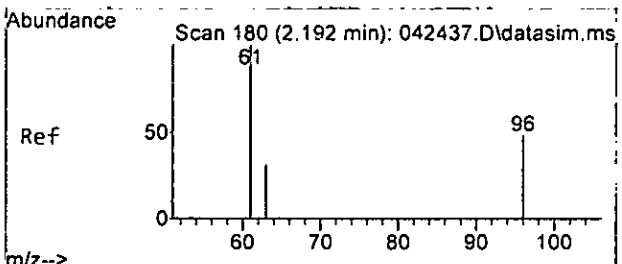
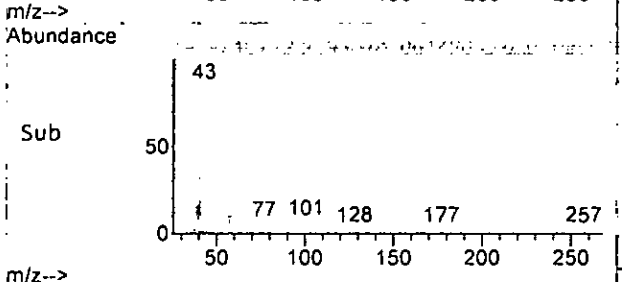
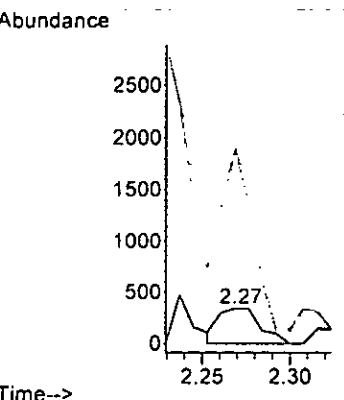
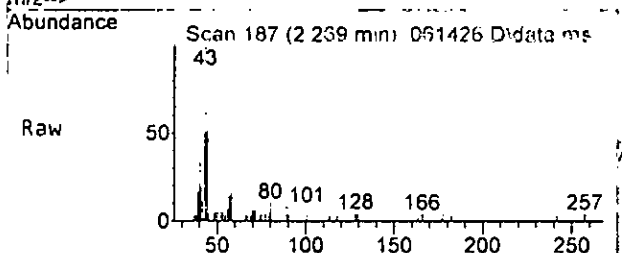
Tgt Ion: 64 Resp: 5397
 Ion Ratio Lower Upper
 64 100
 66 33.4 3.2 63.2





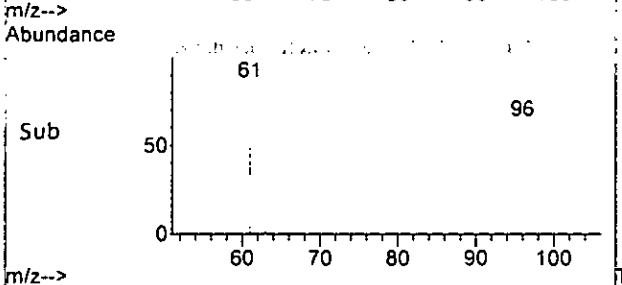
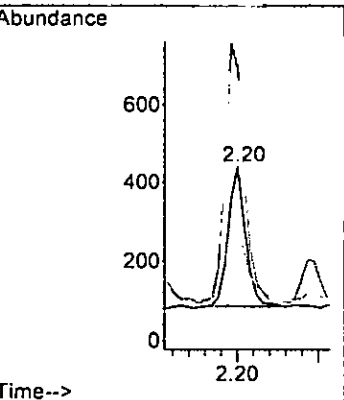
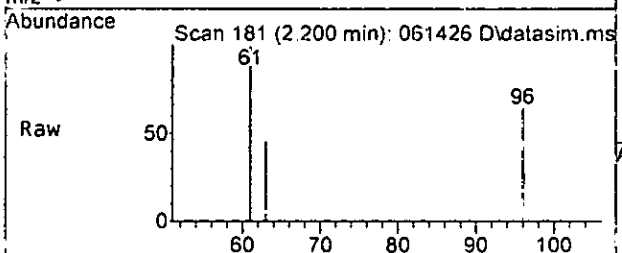
#11
 Acetone
 Concen: 1.090 ppb
 RT: 2.27 min Scan# 187
 Delta R.T. 0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

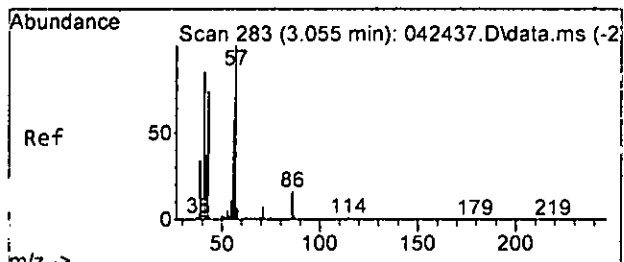
Tgt Ion: 58 Resp: 562
 Ion Ratio Lower Upper
 58 100
 43 399.3 360.4 420.4



#12
 1,1-Dichloroethene
 Concen: 0.125 ppb
 RT: 2.20 min Scan# 181
 Delta R.T. 0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

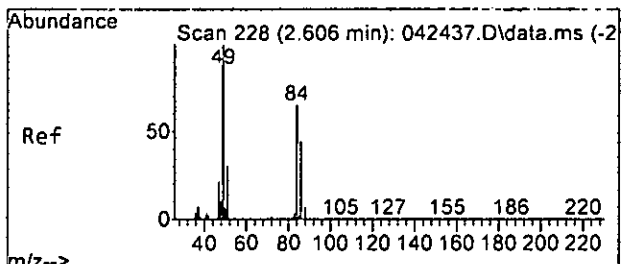
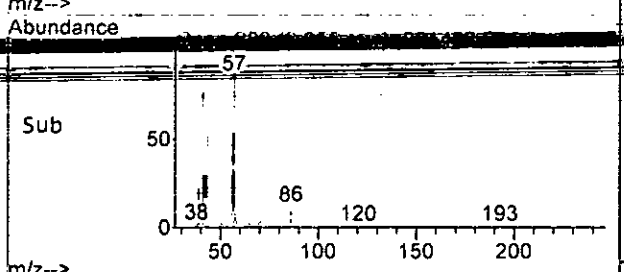
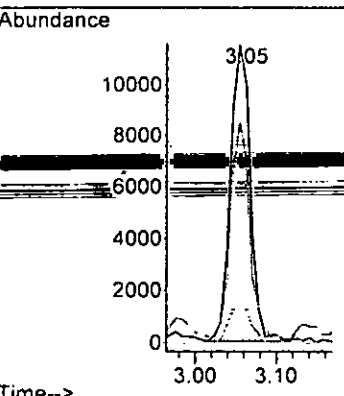
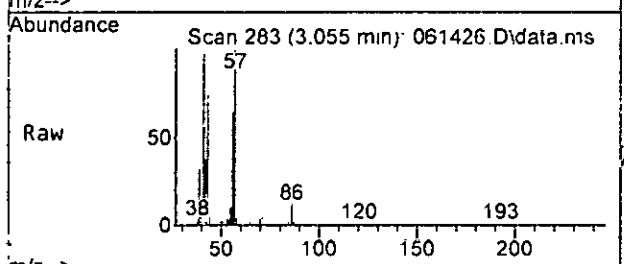
Tgt Ion: 96 Resp: 516
 Ion Ratio Lower Upper
 96 100
 61 168.2 158.7 218.7
 63 59.7 33.5 93.5





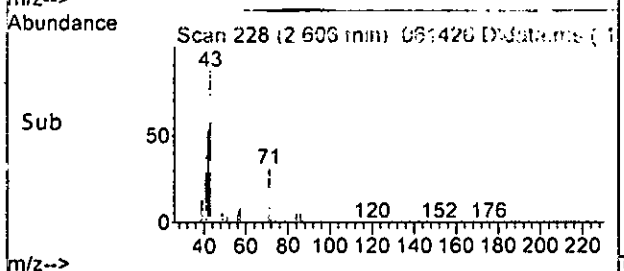
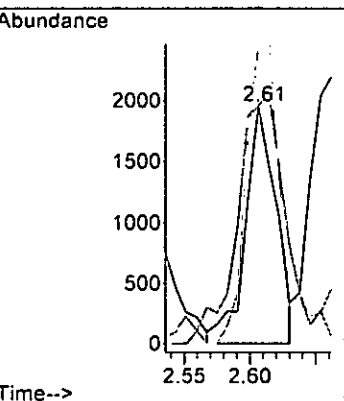
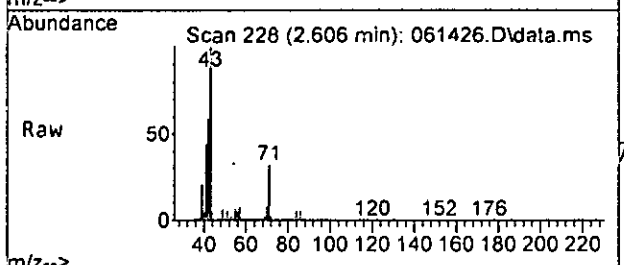
#13
 Hexane
 Concen: 4.456 ppb
 RT: 3.05 min Scan# 283
 Delta R.T. 0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

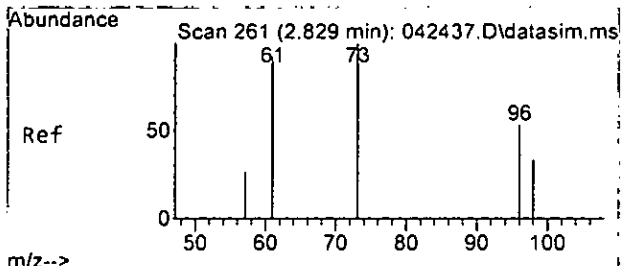
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 57 | 19055 | | |
| 43 | 72.8 | 42.2 | 102.2 |
| 86 | 11.8 | 0.0 | 44.3 |



#14
 Methylene chloride
 Concen: 1.146 ppb
 RT: 2.61 min Scan# 228
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|--------|
| 84 | 3169 | | |
| 86 | 89.1 | 41.4 | 101.4 |
| 49 | 132.8 | 137.3 | 197.3# |

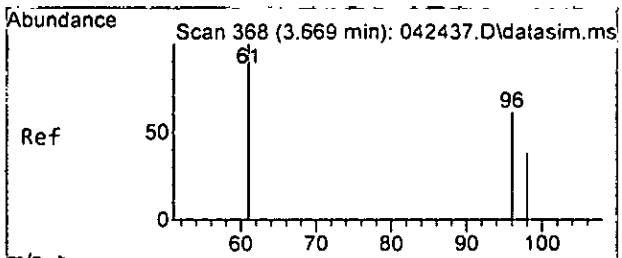
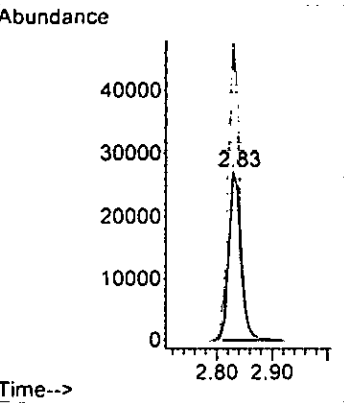
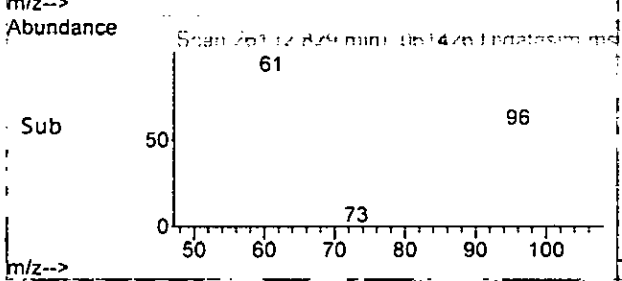
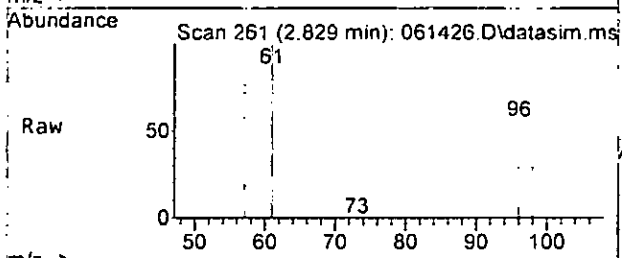




#17
 trans-1,2-Dichloroethene
 Concen: 14.446 ppb
 RT: 2.83 min Scan# 261
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

Tgt Ion: 96 Resp: 41432

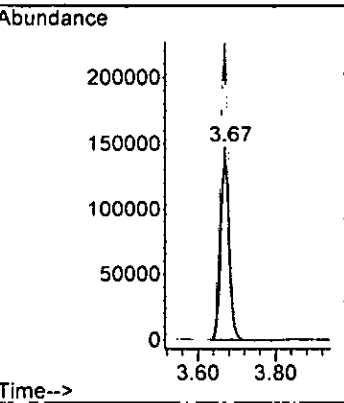
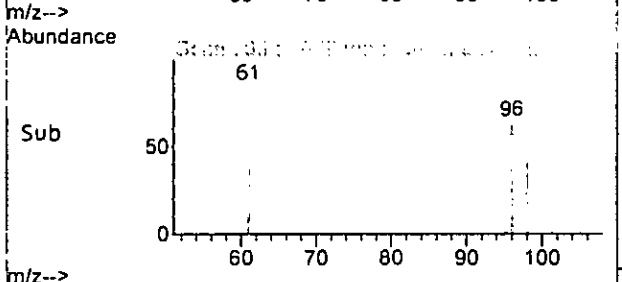
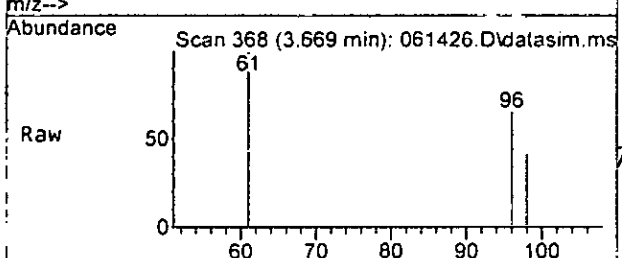
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 177.2 | 134.1 | 194.1 |
| 98 | 60.6 | 34.9 | 94.9 |

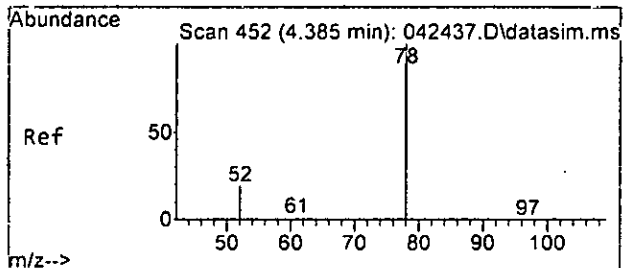


#22
 cis-1,2-Dichloroethene
 Concen: 70.956 ppb
 RT: 3.67 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

Tgt Ion: 96 Resp: 219176

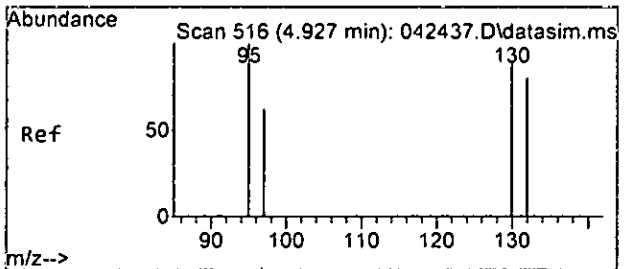
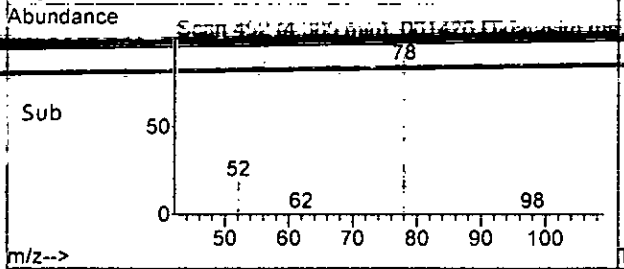
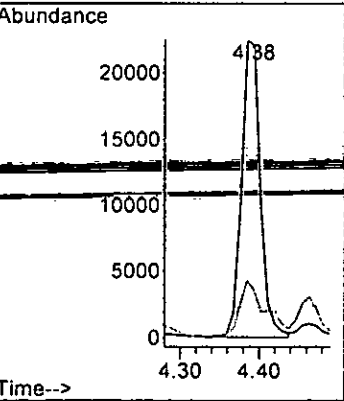
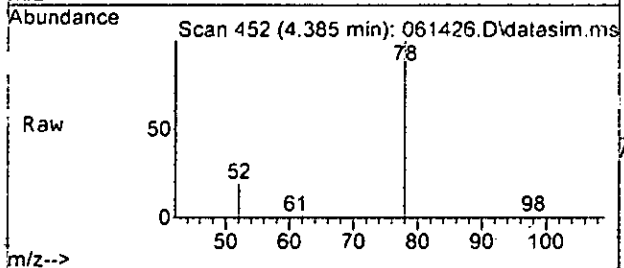
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 152.7 | 132.2 | 192.2 |
| 98 | 62.6 | 34.9 | 94.9 |





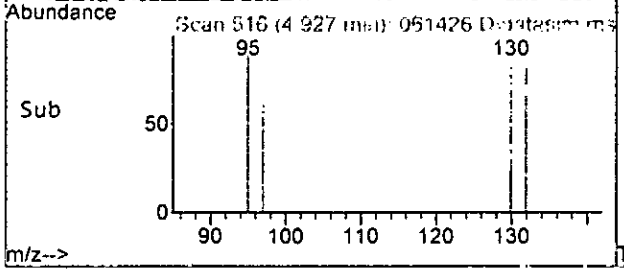
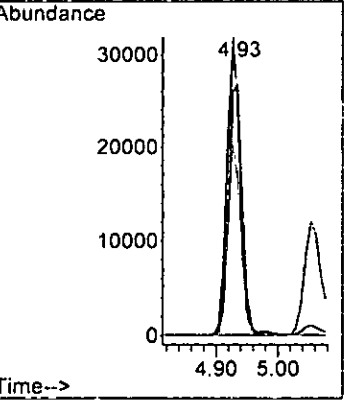
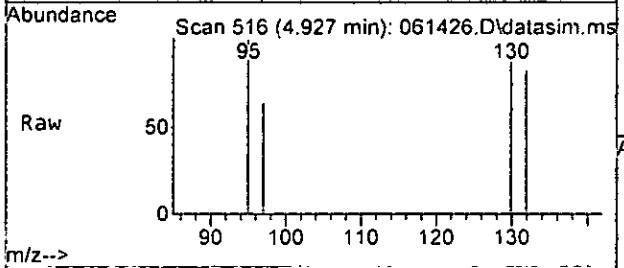
#31
Benzene
Concen: 3.104 ppb
RT: 4.38 min Scan# 452
Delta R.T. -0.000 min
Lab File: 061426.D
Acq: 14 Jun 2023 04:54 pm

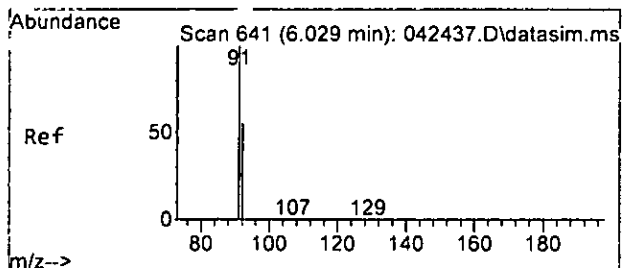
Tgt Ion: 78 Resp: 36970
Ion Ratio Lower Upper
78 100
S2 18.9 0.0 49.1



#32
Trichloroethene
Concen: 14.810 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.000 min
Lab File: 061426.D
Acq: 14 Jun 2023 04:54 pm

Tgt Ion: 95 Resp: 45635
Ion Ratio Lower Upper
95 100
97 63.6 33.6 93.6
130 89.8 62.5 122.5
132 81.8 54.2 114.2

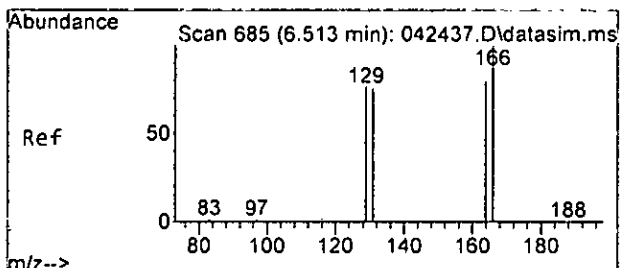
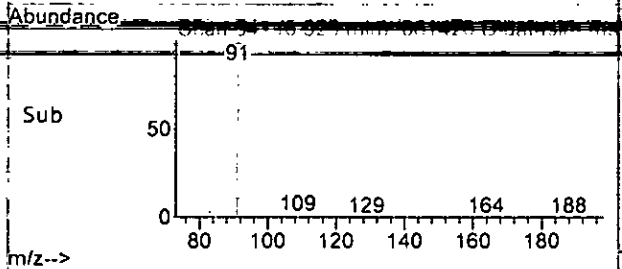
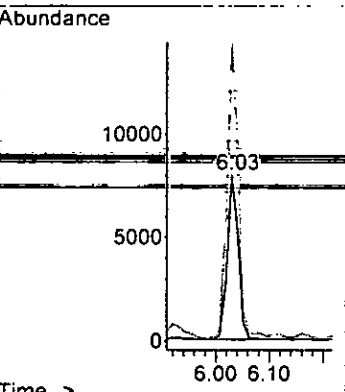
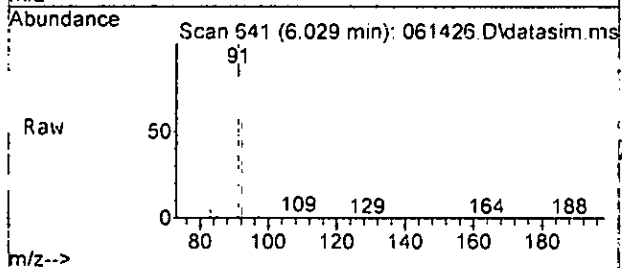




#40
 Toluene
 Concen: 1.685 ppb
 RT: 6.03 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

Tgt Ion: 92 Resp: 11206

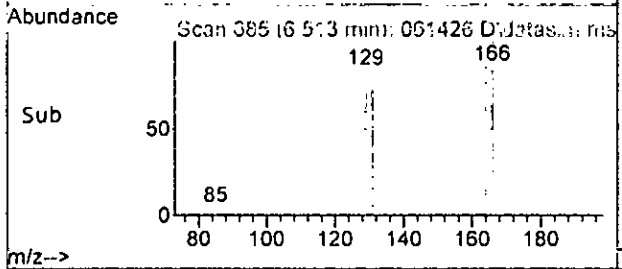
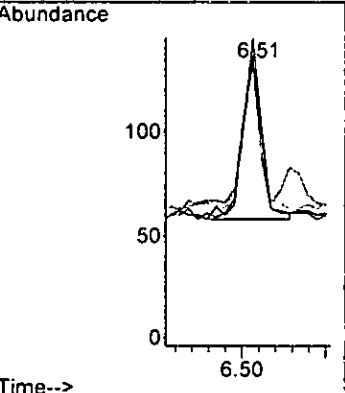
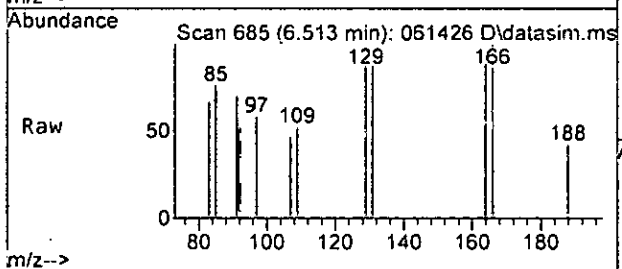
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 92 | 100 | | |
| 91 | 180.6 | 149.2 | 209.2 |

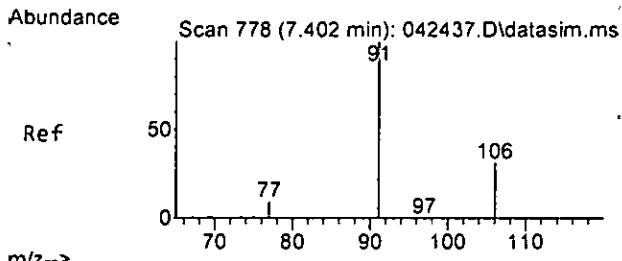


#45
 Tetrachloroethene
 Concen: 0.043 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

Tgt Ion: 164 Resp: 119

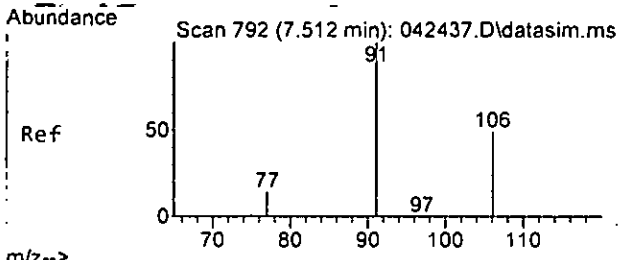
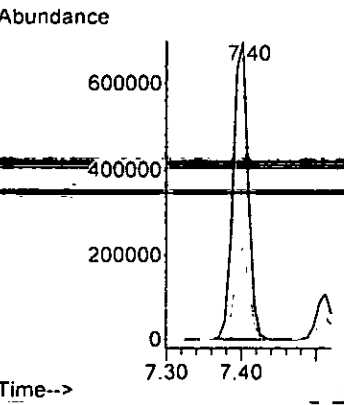
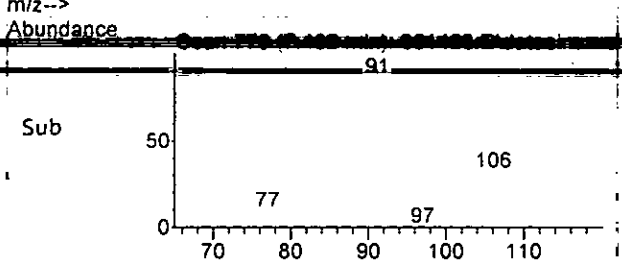
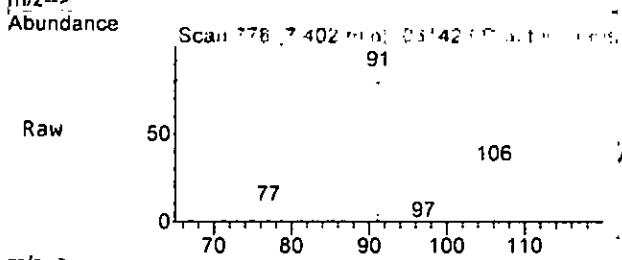
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 129 | 81.8 | 64.7 | 124.7 |
| 131 | 83.1 | 63.9 | 123.9 |
| 166 | 109.1 | 98.3 | 158.3 |





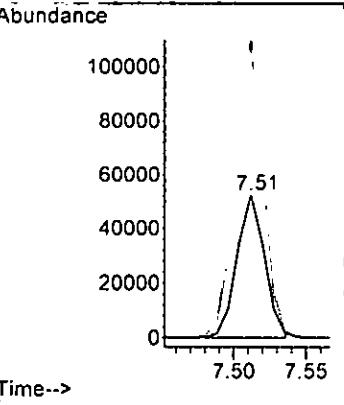
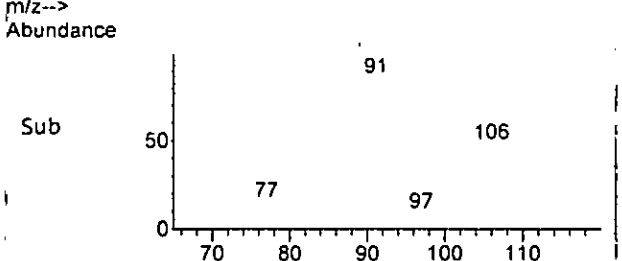
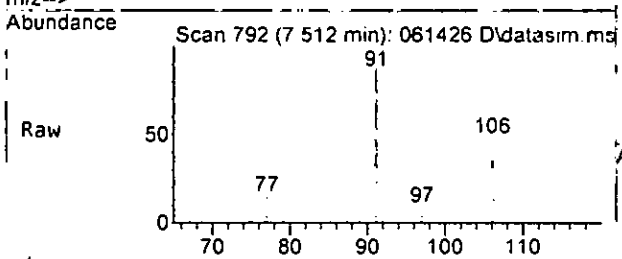
#49
 Ethylbenzene
 Concen: 76.106 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

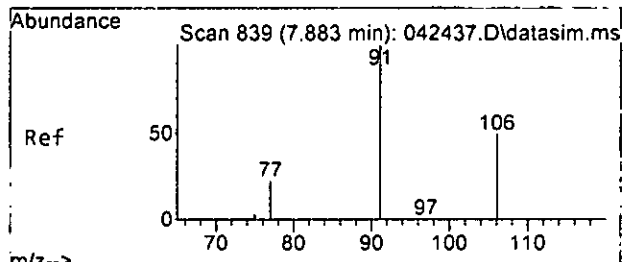
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 91 | 977597 | | |
| 106 | 32.0 | 1.1 | 61.1 |



#51
 m,p-Xylene
 Concen: 14.662 ppb m
 RT: 7.51 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

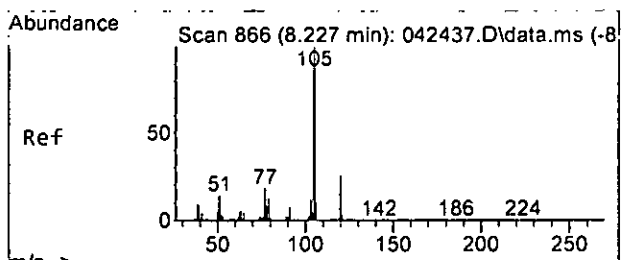
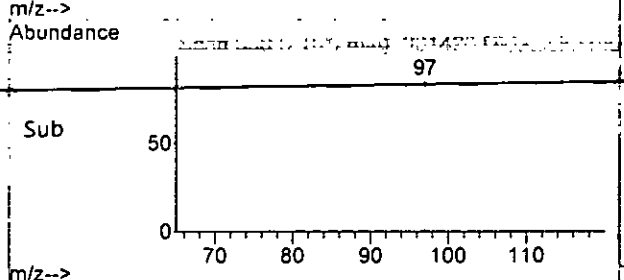
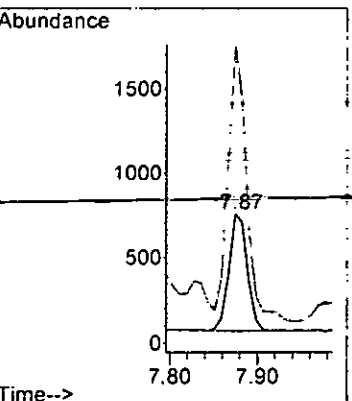
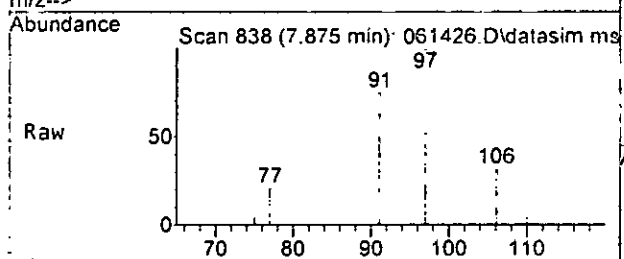
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 69165 | | |
| 91 | 209.0 | 177.1 | 237.1 |





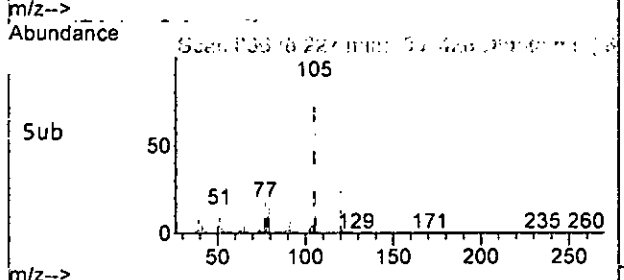
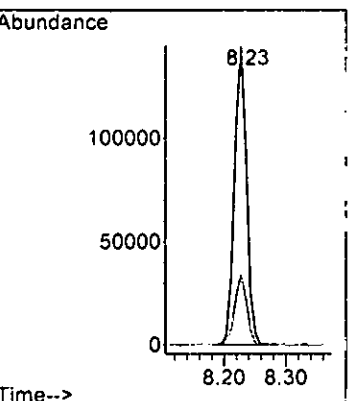
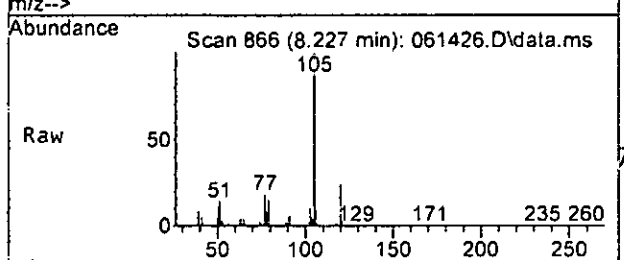
#52
 o-Xylene
 Concen: 0.205 ppb
 RT: 7.87 min Scan# 838
 Delta R.T. -0.008 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

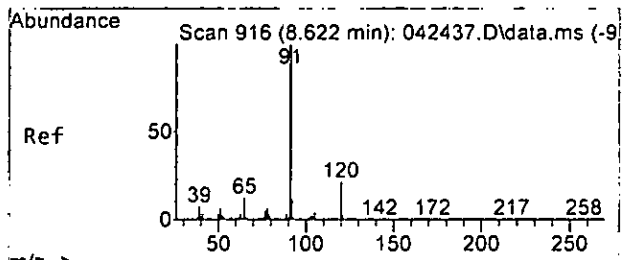
Tgt Ion: 106 Resp: 987
 Ion Ratio Lower Upper
 106 100
 91 237.6 177.0 237.0#



#54
 Isopropylbenzene
 Concen: 18.480 ppb
 RT: 8.23 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

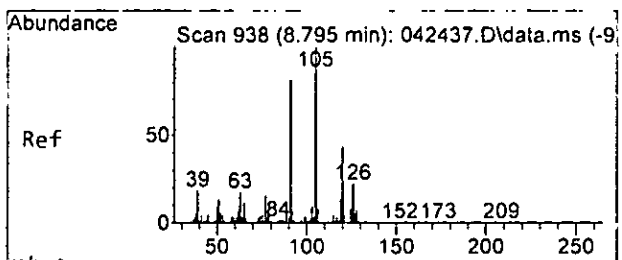
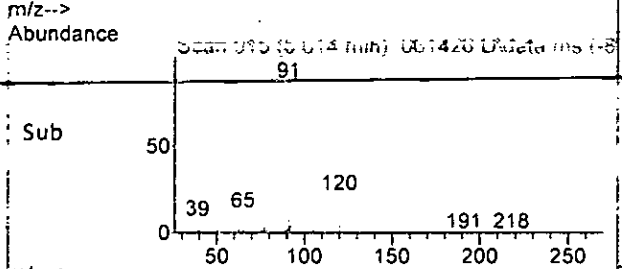
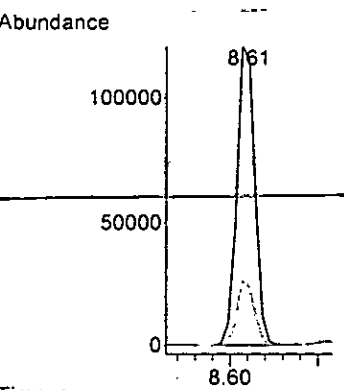
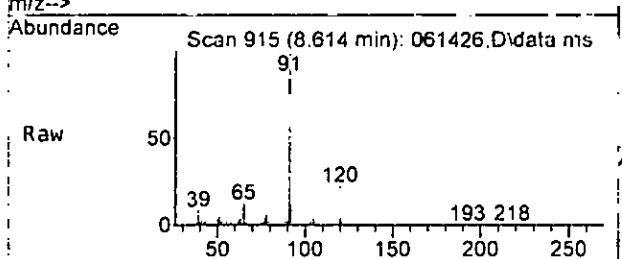
Tgt Ion: 105 Resp: 196711
 Ion Ratio Lower Upper
 105 100
 120 23.5 0.0 57.8





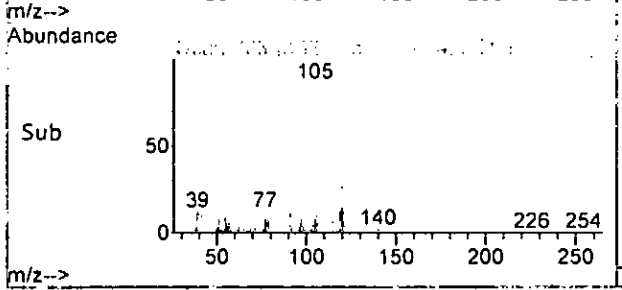
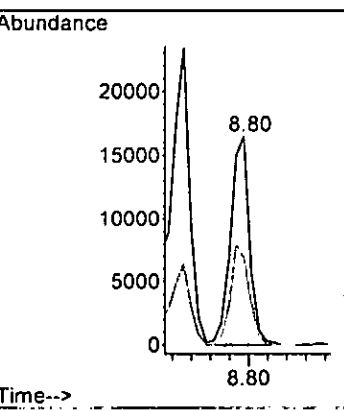
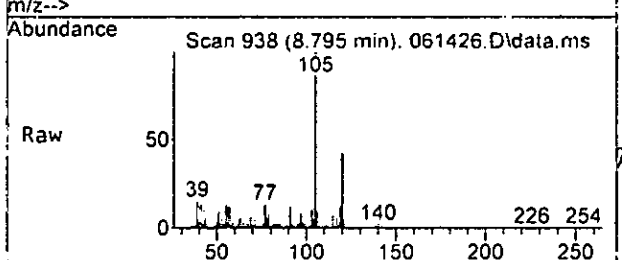
#58
 n-Propylbenzene
 Concen: 12.748 ppb
 RT: 8.61 min Scan# 915
 Delta R.T. -0.007 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

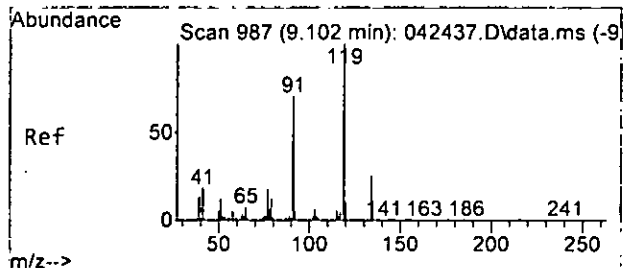
Tgt Ion: 91 Resp: 171874
 Ion Ratio Lower Upper
 91 100
 120 21.7 0.0 51.4



#60
 1,3,5-Trimethylbenzene
 Concen: 2.404 ppb
 RT: 8.80 min Scan# 938
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

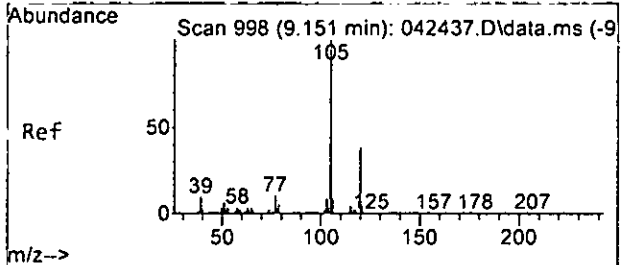
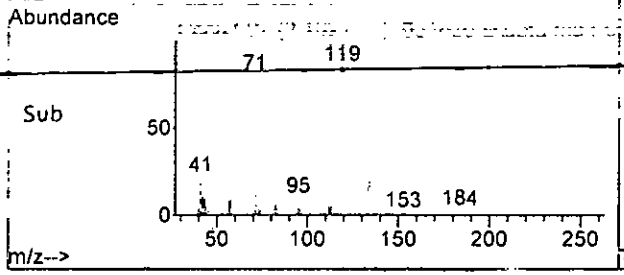
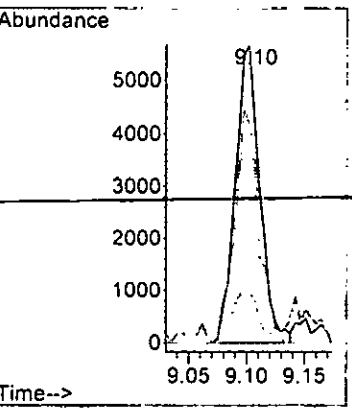
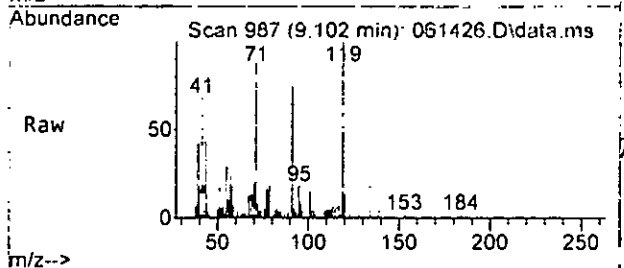
Tgt Ion: 105 Resp: 22689
 Ion Ratio Lower Upper
 105 100
 120 41.6 18.6 78.6





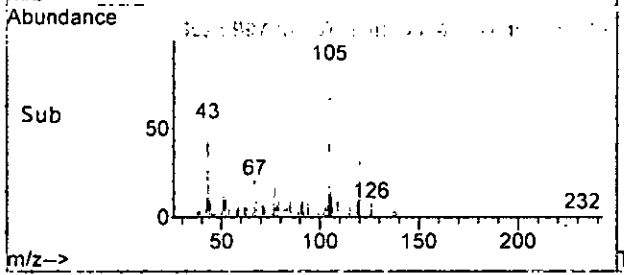
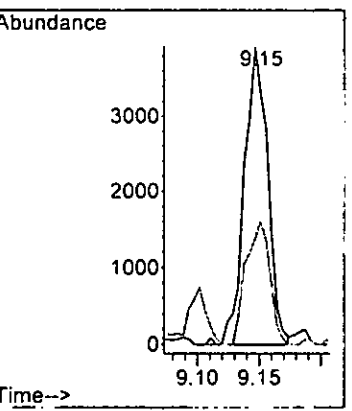
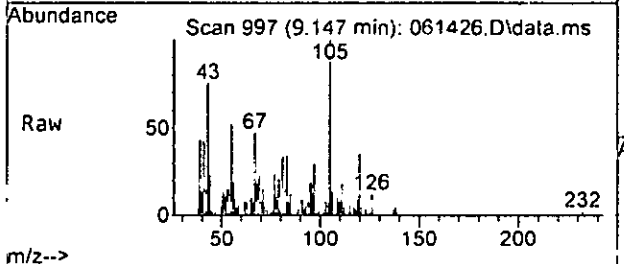
#65
 tert-Butylbenzene
 Concen: 1.058 ppb
 RT: 9.10 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

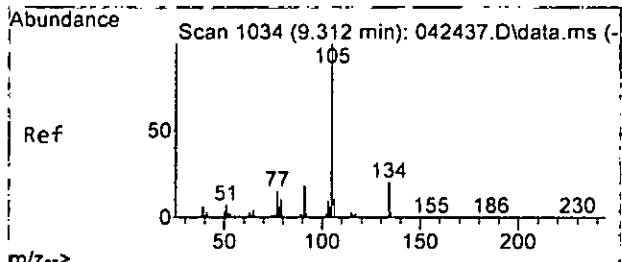
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 119 | 8265 | | |
| 119 | 100 | | |
| 91 | 72.4 | 40.9 | 100.9 |
| 134 | 18.1 | 0.0 | 52.6 |



#66
 1,2,4-Trimethylbenzene
 Concen: 0.523 ppb
 RT: 9.15 min Scan# 997
 Delta R.T. -0.004 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

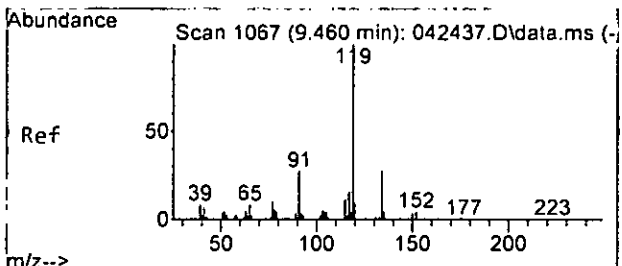
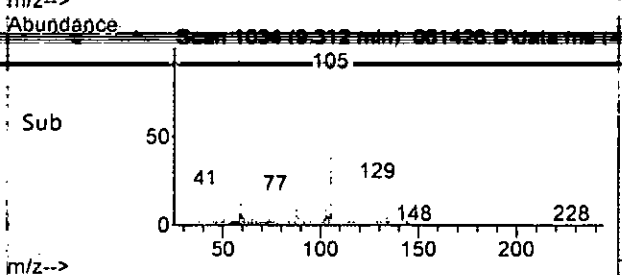
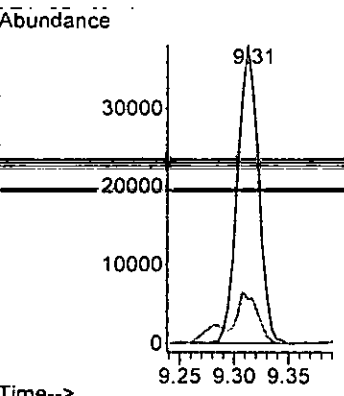
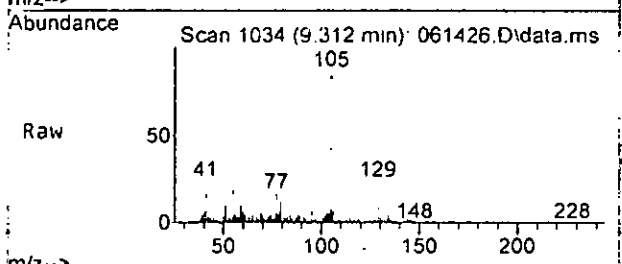
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 5138 | | |
| 105 | 100 | | |
| 120 | 34.9 | 15.0 | 75.0 |





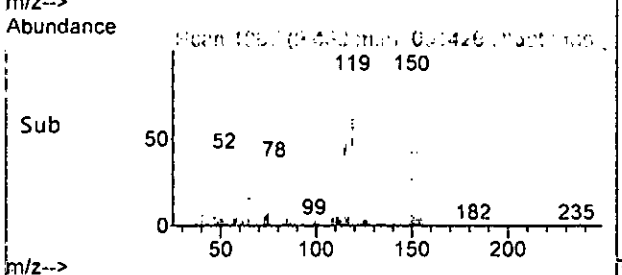
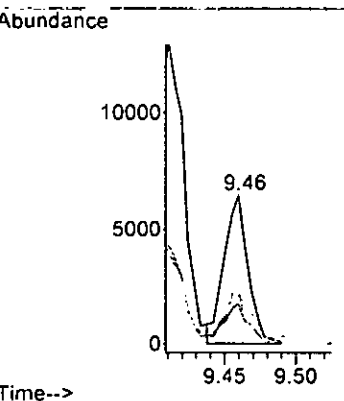
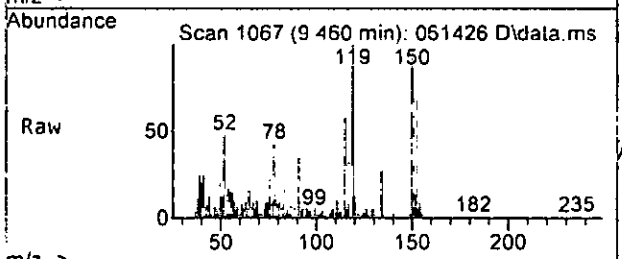
#67
 sec-Butylbenzene
 Concen: 4.188 ppb
 RT: 9.31 min Scan# 1034
 Delta R.T. -0.005 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

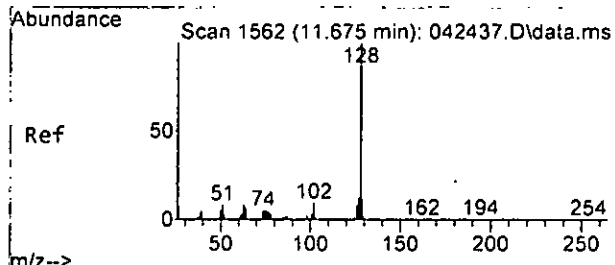
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 105 | 50784 | | |
| 105 | 100 | | |
| 134 | 14.7 | 0.0 | 47.6 |



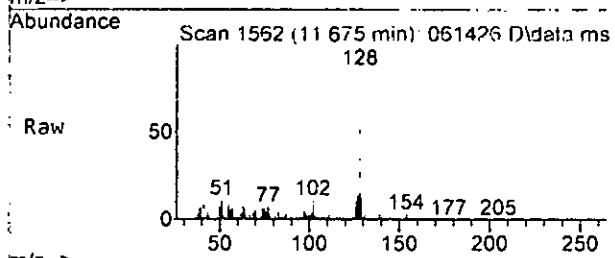
#68
 p-Isopropyltoluene
 Concen: 0.758 ppb
 RT: 9.46 min Scan# 1067
 Delta R.T. -0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 119 | 7604 | | |
| 119 | 100 | | |
| 134 | 27.3 | 0.0 | 56.7 |
| 91 | 32.7 | 0.0 | 54.8 |

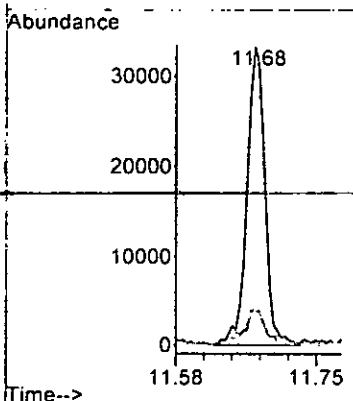
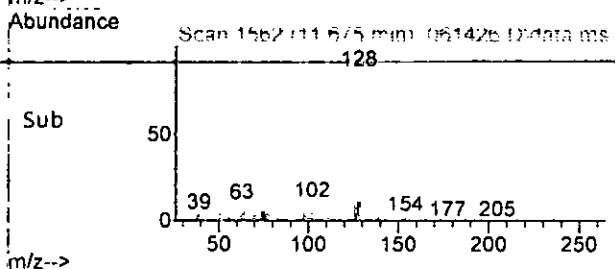




#75
 Naphthalene
 Concen: 5.609 ppb
 RT: 11.68 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: 061426.D
 Acq: 14 Jun 2023 04:54 pm



Tgt Ion: 128 Resp: 49350
 Ion Ratio Lower Upper
 128 100
 129 11.5 0.0 42.2
 127 12.0 0.0 42.6



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061426.D
 Acq On : 14 Jun 2023 04:54 pm
 Operator : LM
 Sample : 306191-08
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 89063 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65465 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 35972 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 25597 | 10.137 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 101.40% | | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5528 | 10.107 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 101.10% | | |
| 35) Toluene-d8 | 5.97 | 98 | 95227 | 10.941 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 109.40% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 35452 | 10.594 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 105.90% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.85 | 45 | 234 | No Calib | # | | Qvalue |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.23 | 50 | 1066 | N.D. | | | |
| 6] Vinyl chloride | 1.31 | 62 | 44413 | 5.270 | ppb | | 99 |
| 7) Bromomethane | 1.56 | 94 | 314 | N.D. | | | |
| 8] Chloroethane | 1.60 | 64 | 5397 | 0.989 | ppb | | 100 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 110 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 691 | No Calib | # | | |
| 11) Acetone | 2.27 | 58 | 562 | 1.090 | ppb | | 96 |
| 12] 1,1-Dichloroethene | 2.20 | 96 | 516 | 0.125 | ppb | | 88 |
| 13) Hexane | 3.05 | 57 | 19055 | 4.456 | ppb | | 98 |
| 14) Methylene chloride | 2.61 | 84 | 3169 | 1.146 | ppb | # | 76 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 41432 | 14.446 | ppb | | 91 |
| 18) Diisopropyl ether (DIPE) | 3.23 | 45 | 104 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | d | | |
| 20) Ethyl t-butyl ether (E...) | 3.53 | 87 | 90 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.71 | 77 | 180 | N.D. | | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 219176 | 70.956 | ppb | | 94 |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 4.52 | 73 | 94 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | N.D. | d | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | d | | |
| 28) 1,1-Dichloropropene | 4.18 | 75 | 86 | N.D. | | | |
| 29) Carbon tetrachloride | 4.31 | 117 | 170 | N.D. | | | |
| 31] Benzene | 4.38 | 78 | 36970 | 3.104 | ppb | | 100 |
| 32] Trichloroethene | 4.93 | 95 | 45635 | 14.810 | ppb | | 98 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | d | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | d | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061426.D
 Acq On : 14 Jun 2023 04:54 pm
 Operator : LM
 Sample : 306191-08
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

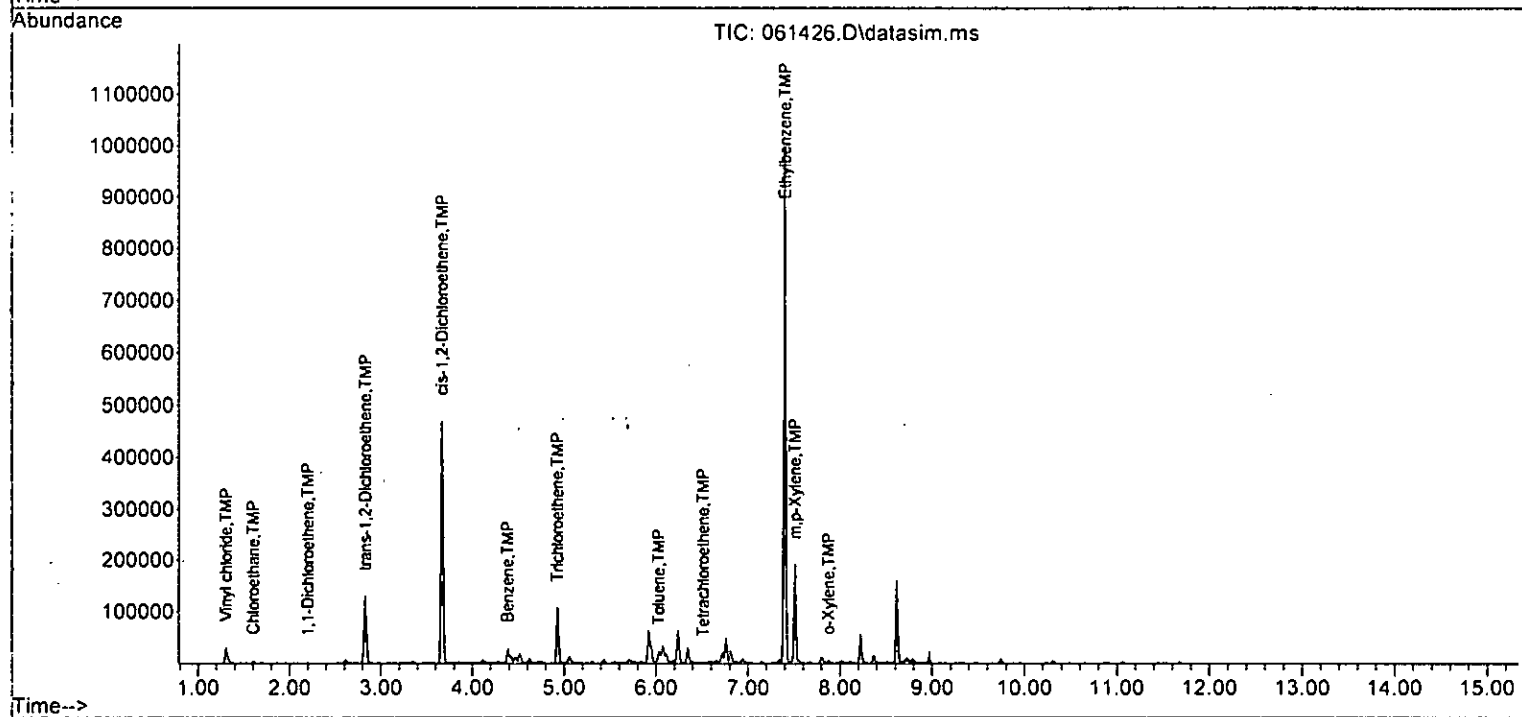
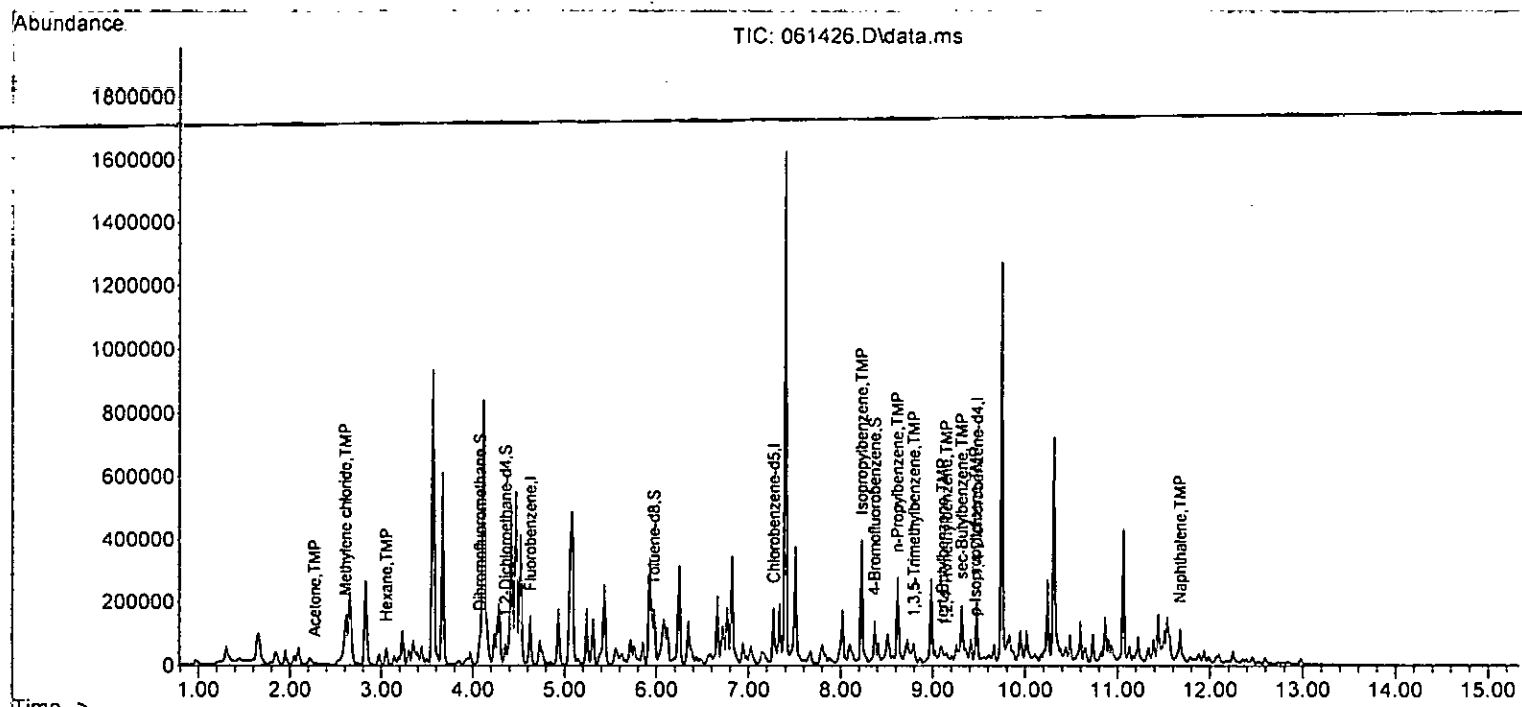
Quant Time: Jun 15 08:59:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--|-----------------|---------------|----------------|--------|-----------------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | d |
| 38) cis-1,3-Dichloropropene | 5.69 | 75 | 138 | | N.D. | |
| 40] Toluene | 6.03 | 92 | 11206 | 1.685 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.26 | 75 | 278 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | d |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. | d |
| 44) 1,3-Dichloropropane | 6.55 | 76 | 134 | | N.D. | |
| 45] Tetrachloroethene | 6.51 | 164 | 119 | 0.043 | ppb | 86 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | d |
| 48) Chlorobenzene | 7.30 | 112 | 174 | | N.D. | |
| 49] Ethylbenzene | 7.40 | 91 | 977597 | 76.106 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 7.39 | 131 | 133 | | N.D. | |
| 51] m,p-Xylene | 7.51 | 106 | 69165m | 14.662 | ppb | |
| 52] o-Xylene | 7.87 | 106 | 987 | 0.205 | ppb | # 80 |
| 53) Styrene | 7.90 | 104 | 590 | | N.D. | |
| 54) Isopropylbenzene | 8.23 | 105 | 196711 | 18.480 | ppb | 92 |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.61 | 91 | 171874 | 12.748 | ppb | 99 |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 22689 | 2.404 | ppb | 90 |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | d |
| 62) 1,2,3-Trichloropropane | 8.56 | 75 | 124 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | d |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | d |
| 65) tert-Butylbenzene | 9.10 | 119 | 8265 | 1.058 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.15 | 105 | 5138 | 0.523 | ppb | 85 |
| 67) sec-Butylbenzene | 9.31 | 105 | 50784 | 4.188 | ppb | 93 |
| 68) p-Isopropyltoluene | 9.46 | 119 | 7604 | 0.758 | ppb | 92 |
| 69) 1,3-Dichlorobenzene | 9.42 | 146 | 182 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.50 | 146 | 59 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 9.86 | 146 | 77 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | d |
| 73) 1,2,4-Trichlorobenzene | 11.72 | 180 | 72 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 49350 | 5.609 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 11.91 | 180 | 70 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061426.D
 Acq On : 14 Jun 2023 04:54 pm
 Operator : LM
 Sample : 306191-08
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:32 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061430.D
 Acq On : 14 Jun 2023 06:24 pm
 Operator : LM
 Sample : 306191-09 1/10
 Misc : water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS11

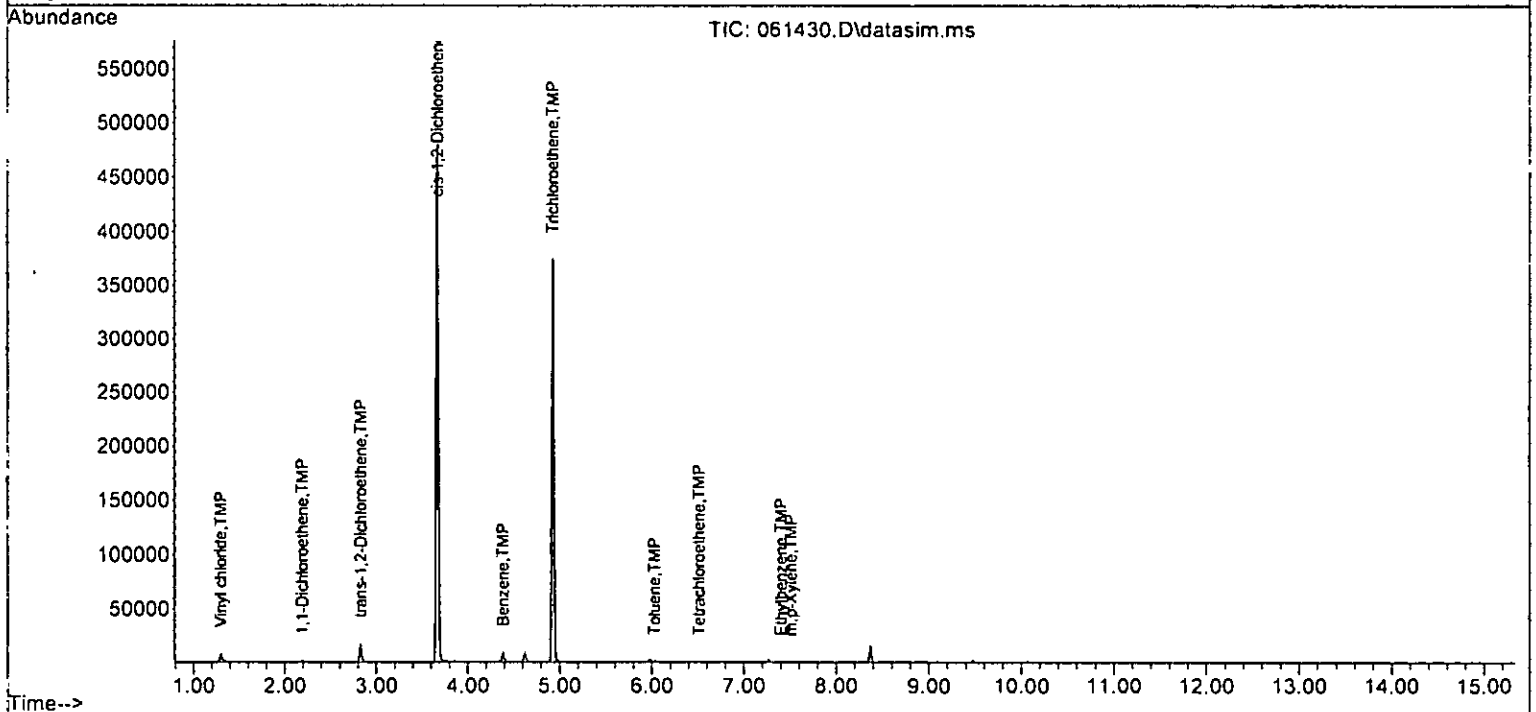
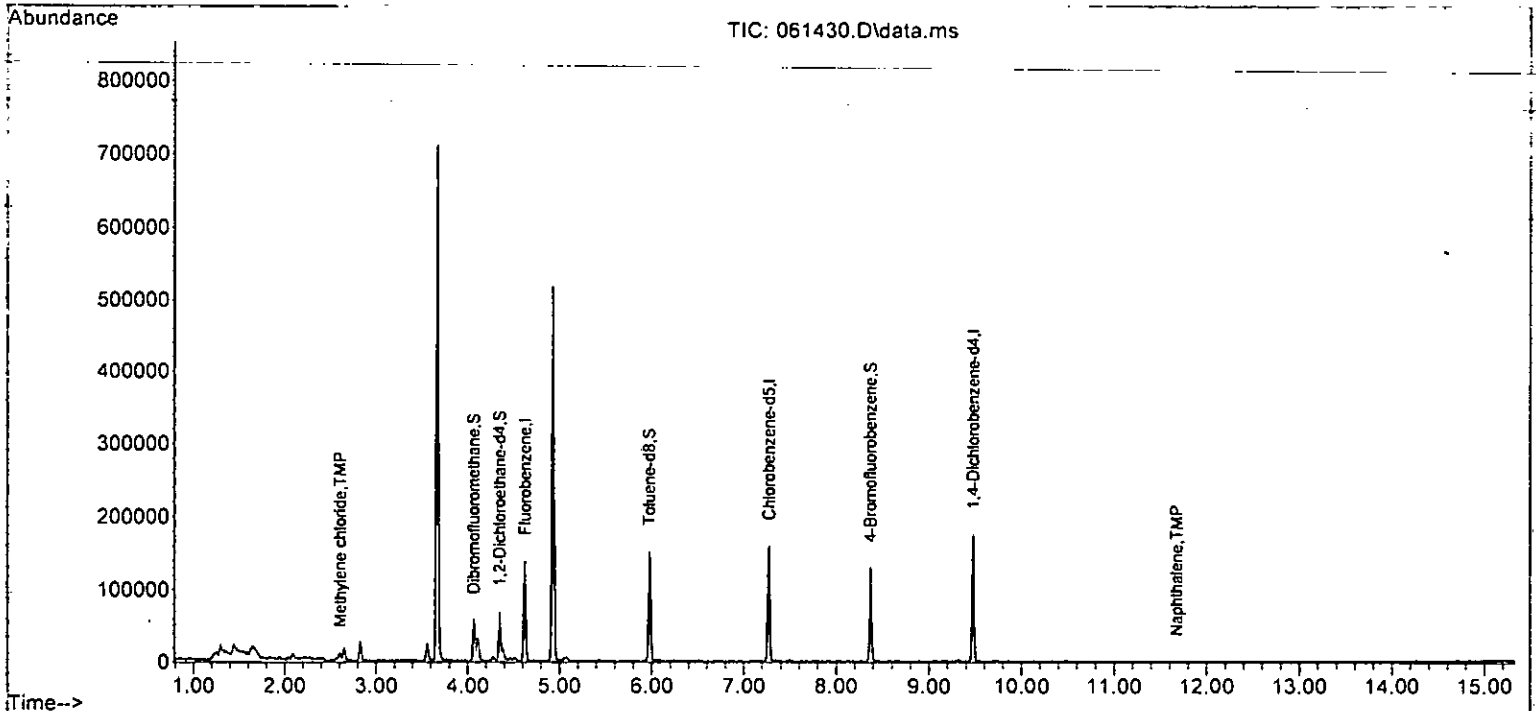
Quant Time: Jun 15 08:59:48 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

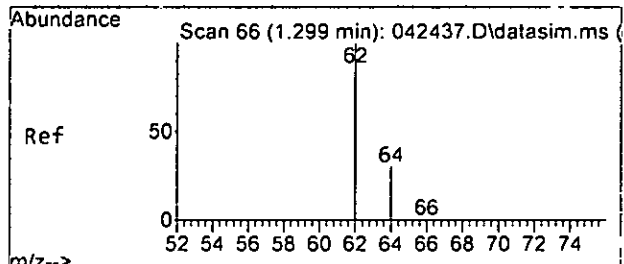
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------------|------------|---------|-------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 90220 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65786 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32997 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26048 | 10.183 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery = | 101.80% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5727 | 10.337 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery = | 103.40% | | |
| 35) Toluene-d8 | 5.97 | 98 | 85170 | 9.660 | ppb | -0.01 |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery = | 96.60% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32925 | 10.726 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery = | 107.30% | | |
| Target Compounds | | | | | | |
| 6] Vinyl chloride | 1.30 | 62 | 11115 | 1.302 | ppb | 98 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 533 | 0.128 | ppb | 98 |
| 14) Methylene chloride | 2.61 | 84 | 3152 | 1.125 | ppb # | 72 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 8138 | 2.801 | ppb | 97 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 237895 | 76.028 | ppb | 91 |
| 31] Benzene | 4.39 | 78 | 11205 | 0.929 | ppb | 98 |
| 32] Trichloroethene | 4.93 | 95 | 154582 | 49.525 | ppb | 97 |
| 40] Toluene | 6.03 | 92 | 364 | 0.041 | ppb | 97 |
| 45] Tetrachloroethene | 6.51 | 164 | 133 | 0.049 | ppb | 98 |
| 49] Ethylbenzene | 7.40 | 91 | 302 | 0.023 | ppb | 100 |
| 51] m,p-Xylene | 7.51 | 106 | 71 | 0.015 | ppb | 87 |
| 75) Naphthalene | 11.68 | 128 | 198 | 0.025 | ppb | 68 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061430.D
 Acq On : 14 Jun 2023 06:24 pm
 Operator : LM
 Sample : 306191-09 1/10
 Misc : water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS11

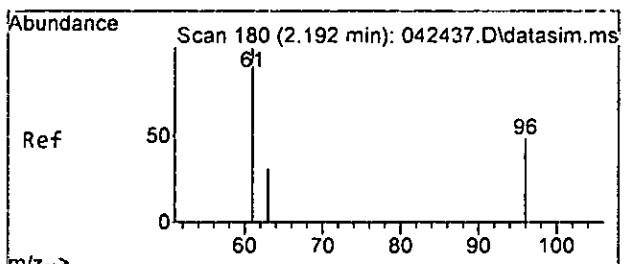
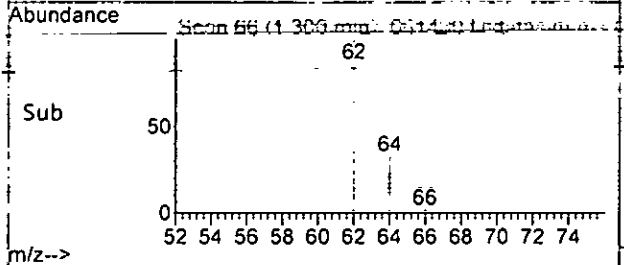
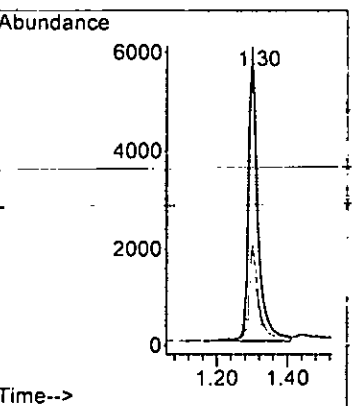
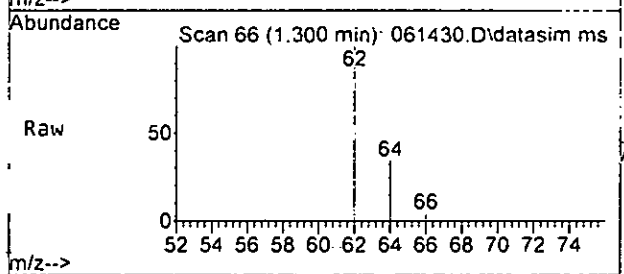
Quant Time: Jun 15 08:59:48 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth: VM042423.M





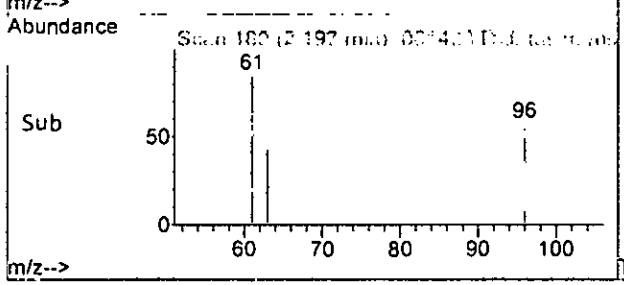
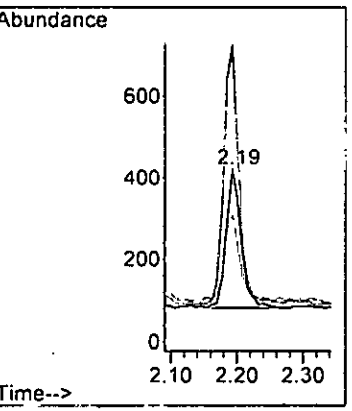
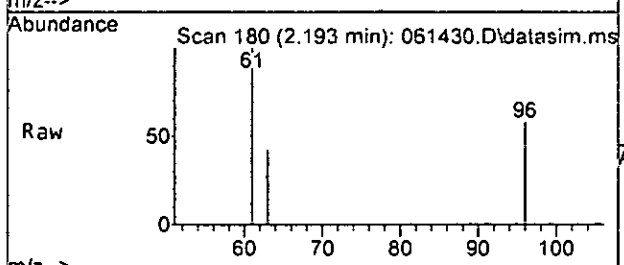
#6
 Vinyl chloride
 Concen: 1.302 ppb
 RT: 1.30 min Scan# 66
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

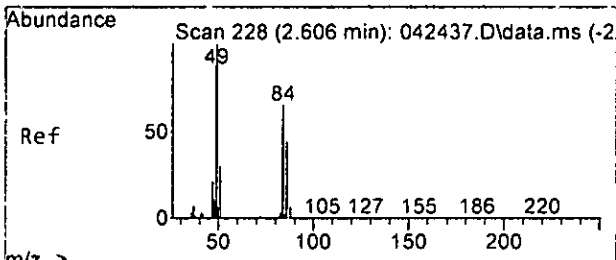
Tgt Ion: 62 Resp: 11115
 Ion Ratio Lower Upper
 62 100
 64 32.9 1.8 61.8



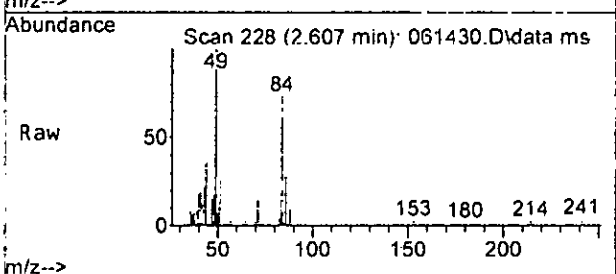
#12
 1,1-Dichloroethene
 Concen: 0.128 ppb
 RT: 2.19 min Scan# 180
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

Tgt Ion: 96 Resp: 533
 Ion Ratio Lower Upper
 96 100
 61 186.5 158.7 218.7
 63 61.2 33.5 93.5



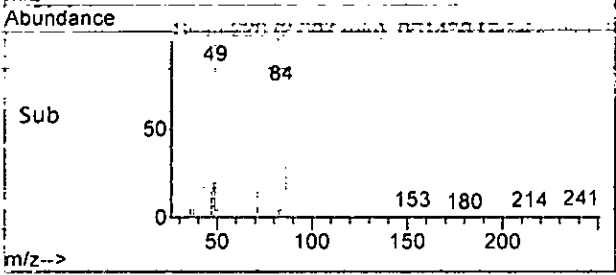
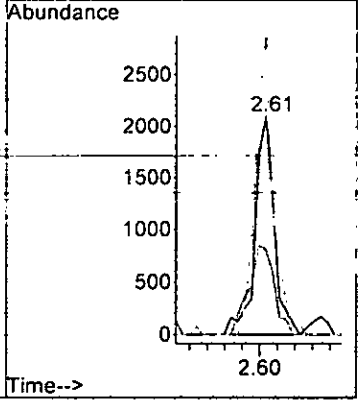


#14
 Methylene chloride
 Concen: 1.125 ppb
 RT: 2.61 min Scan# 228
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

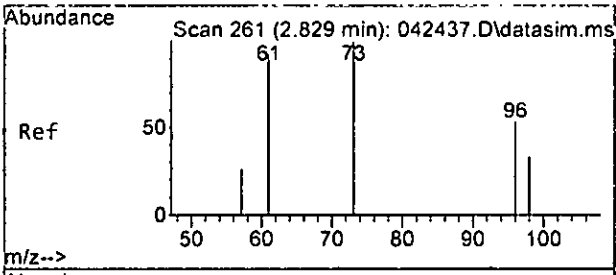


Tgt Ion: 84 Resp: 3152

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|--------|
| 84 | 100 | | |
| 86 | 38.5 | 41.4 | 101.4# |
| 49 | 136.4 | 137.3 | 197.3# |

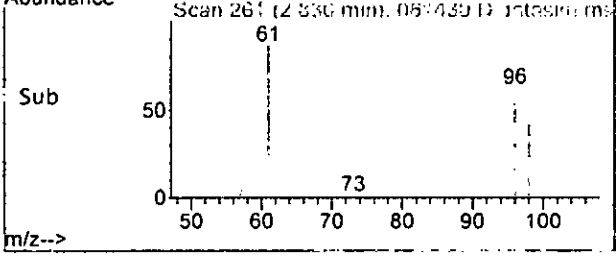
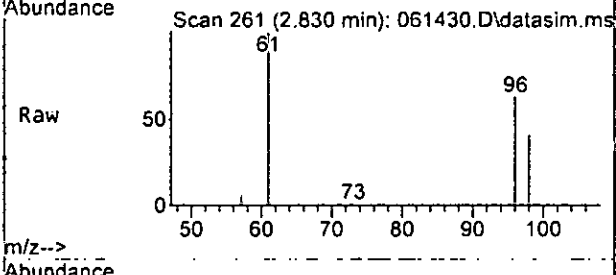
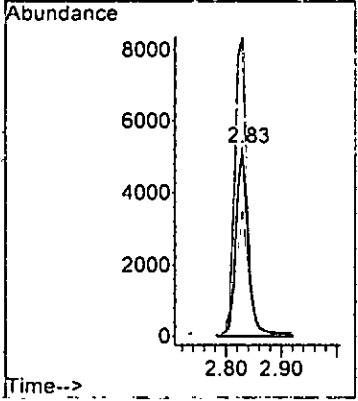


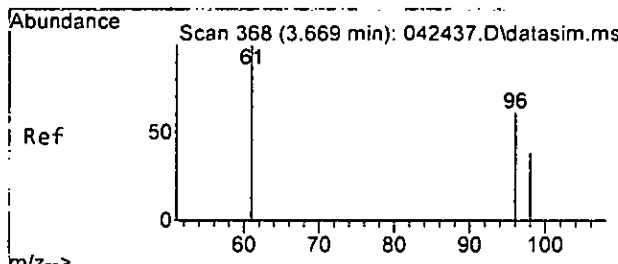
#17
 trans-1,2-Dichloroethene
 Concen: 2.801 ppb
 RT: 2.83 min Scan# 261
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm



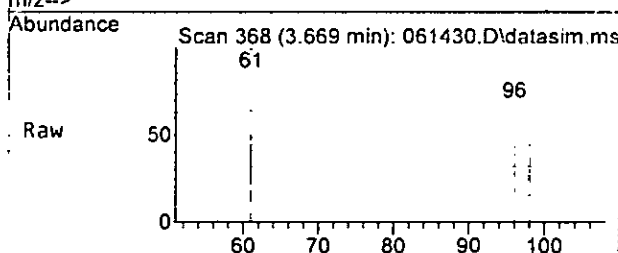
Tgt Ion: 96 Resp: 8138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96 | 100 | | |
| 61 | 159.4 | 134.1 | 194.1 |
| 98 | 65.9 | 34.9 | 94.9 |

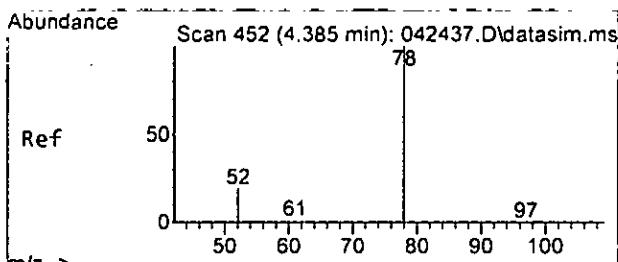
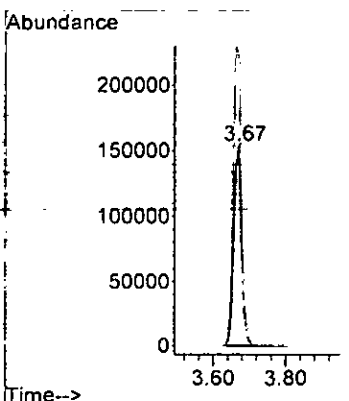
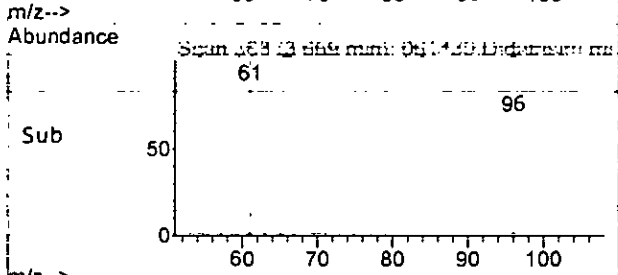




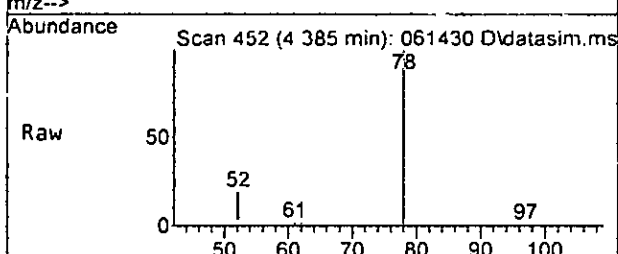
#22
 cis-1,2-Dichloroethene
 Concen: 76.028 ppb
 RT: 3.67 min Scan# 368
 Delta R.T. 0.000 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm



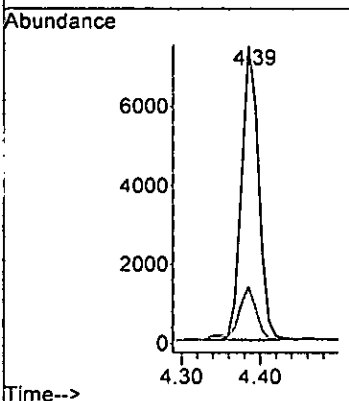
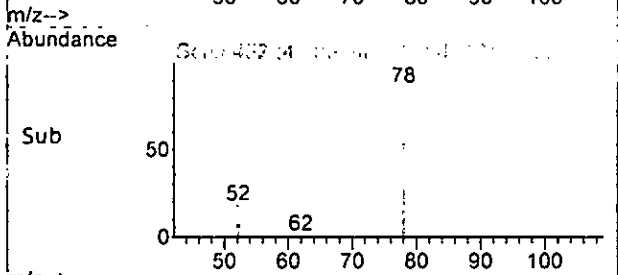
Tgt Ion: 96 Resp: 237895
 Ion Ratio Lower Upper
 96 100
 61 145.5 132.2 192.2
 98 66.3 34.9 94.9

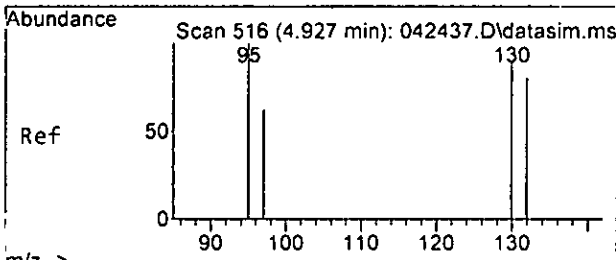


#31
 Benzene
 Concen: 0.929 ppb
 RT: 4.39 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm



Tgt Ion: 78 Resp: 11205
 Ion Ratio Lower Upper
 78 100
 52 18.2 0.0 49.1

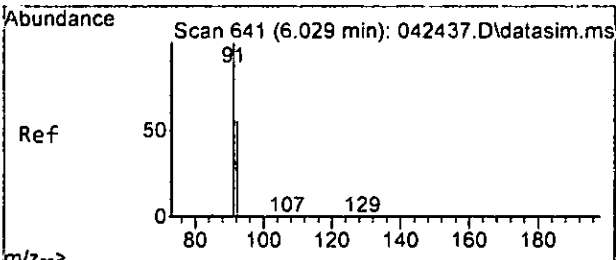
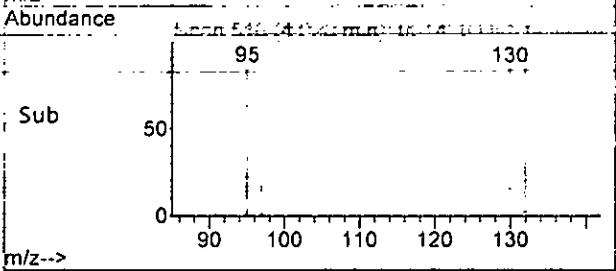
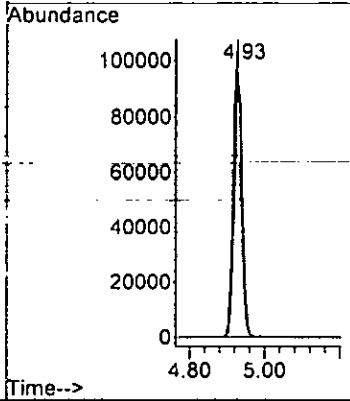
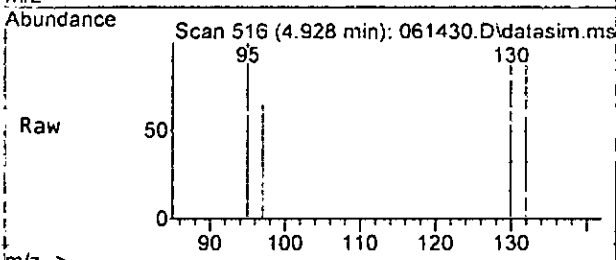




#32
 Trichloroethene
 Concen: 49.525 ppb
 RT: 4.93 min Scan# 516
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

Tgt Ion: 95 Resp: 154582

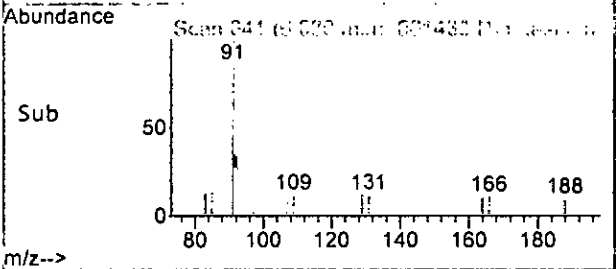
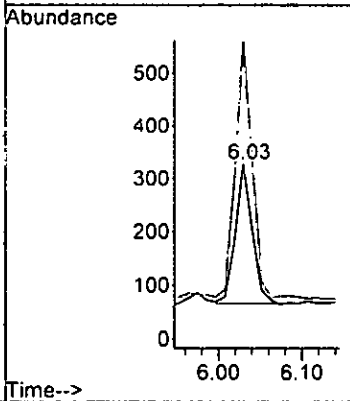
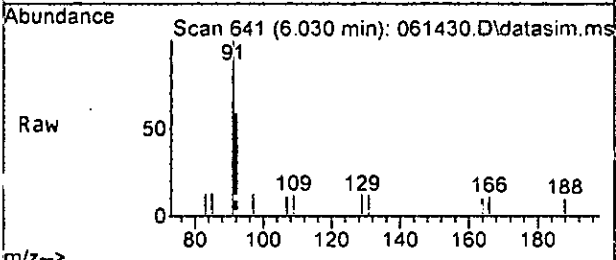
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95 | 100 | | |
| 97 | 65.1 | 33.6 | 93.6 |
| 130 | 94.1 | 62.5 | 122.5 |
| 132 | 88.8 | 54.2 | 114.2 |

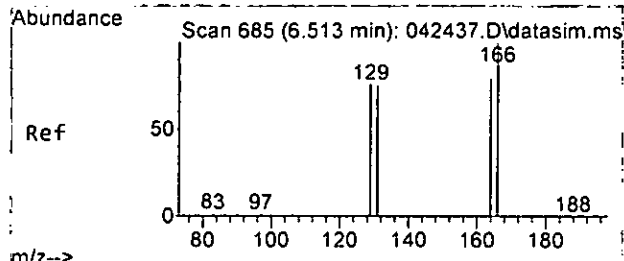


#40
 Toluene
 Concen: 0.041 ppb
 RT: 6.03 min Scan# 641
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

Tgt Ion: 92 Resp: 364

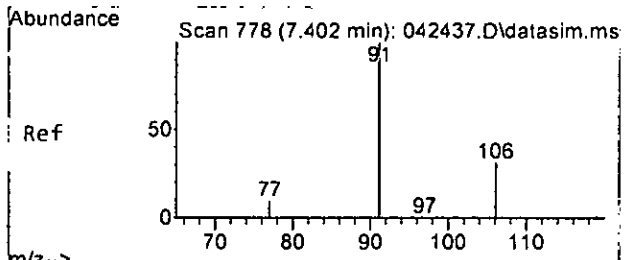
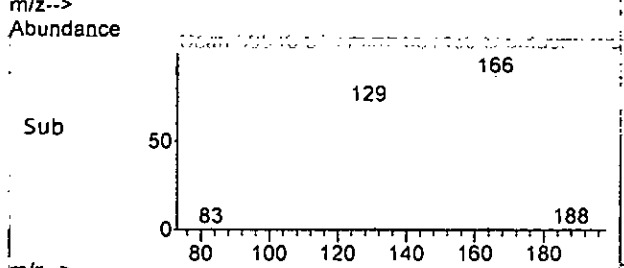
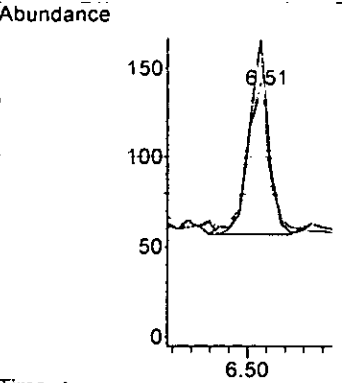
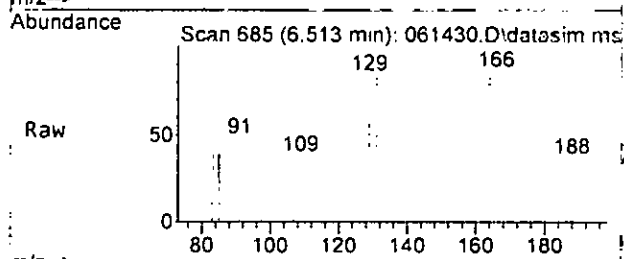
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 92 | 100 | | |
| 91 | 184.0 | 149.2 | 209.2 |





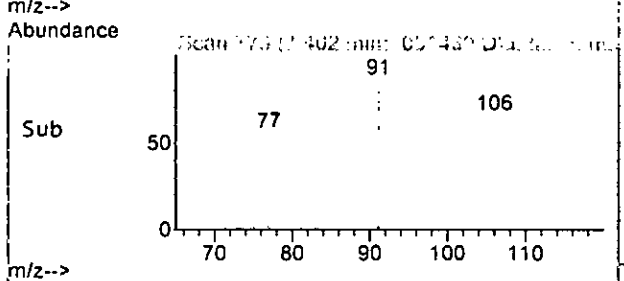
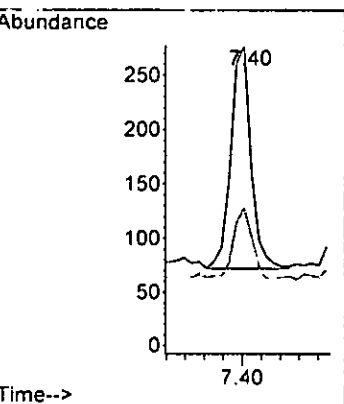
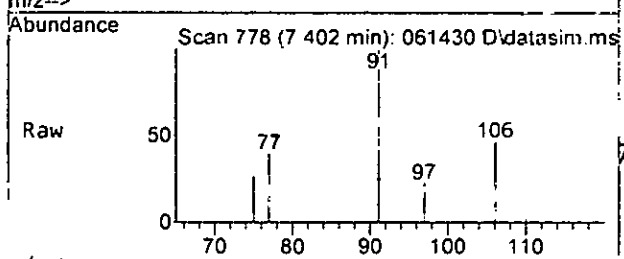
#45
 Tetrachloroethene
 Concen: 0.049 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

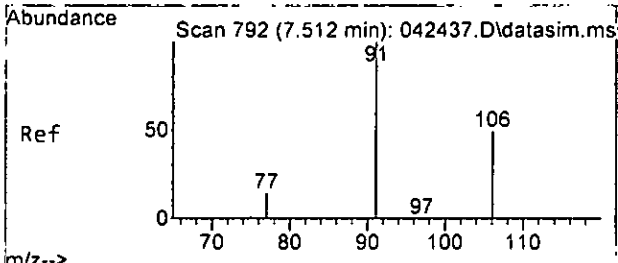
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 92.6 | 64.7 | 124.7 |
| 131 | 96.3 | 63.9 | 123.9 |
| 166 | 130.9 | 98.3 | 158.3 |



#49
 Ethylbenzene
 Concen: 0.023 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

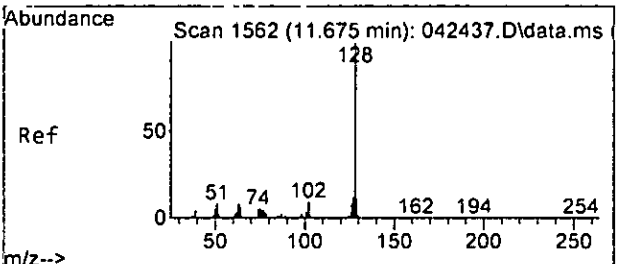
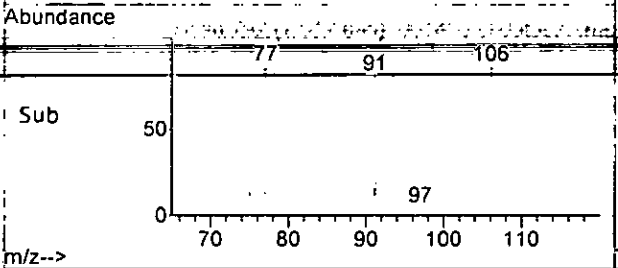
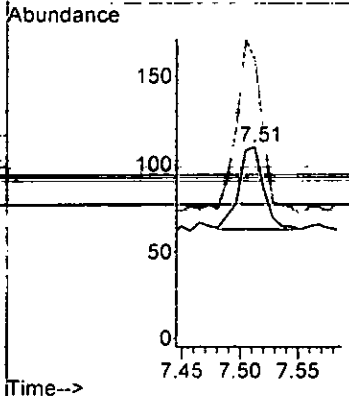
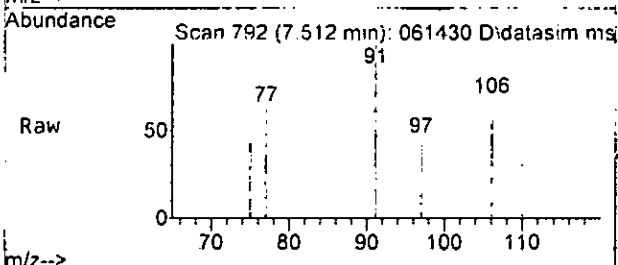
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 106 | 31.2 | 1.1 | 61.1 |





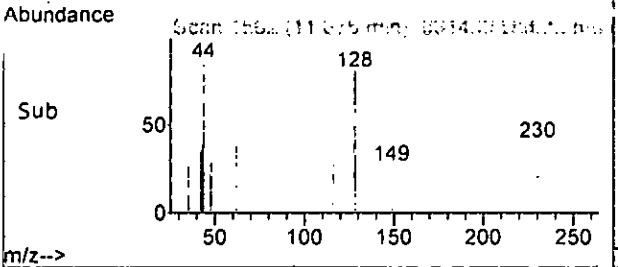
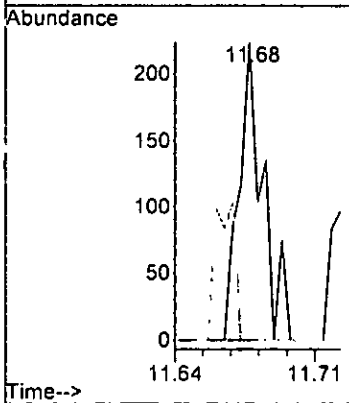
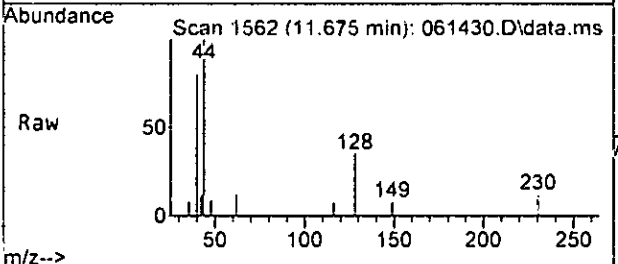
#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

Tgt Ion:106 Resp: 71
 Ion Ratio Lower Upper
 106 100
 91 187.2 177.1 237.1



#75
 Naphthalene
 Concen: 0.025 ppb
 RT: 11.68 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: 061430.D
 Acq: 14 Jun 2023 06:24 pm

Tgt Ion:128 Resp: 198
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 42.2
 127 0.0 0.0 42.6



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061430.D
 Acq On : 14 Jun 2023 06:24 pm
 Operator : LM
 Sample : 306191-09 1/10
 Misc : water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:48 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|--------|----------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 90220 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 65786 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 32997 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.07 | 113 | 26048 | 10.183 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 101.80% | | |
| 30) 1,2-Dichloroethane-d4 | 4.35 | 102 | 5727 | 10.337 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 103.40% | | |
| 35) Toluene-d8 | 5.97 | 98 | 85170 | 9.660 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 96.60% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32925 | 10.726 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 107.30% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | | |
| 5) Chloromethane | 1.22 | 50 | 1270 | | N.D. | | |
| 6) Vinyl chloride | 1.30 | 62 | 11115 | 1.302 | ppb | | 98 |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | | |
| 9) Trichlorofluoromethane | 1.75 | 101 | 104 | | N.D. | | |
| 10) 2-Propanol | 2.37 | 45 | 926 | | No Calib | | |
| 11) Acetone | 2.27 | 58 | 425 | | N.D. | | |
| 12) 1,1-Dichloroethene | 2.19 | 96 | 533 | 0.128 | ppb | | 98 |
| 13) Hexane | 3.05 | 57 | 140 | | N.D. | | |
| 14) Methylene chloride | 2.61 | 84 | 3152 | 1.125 | ppb | # | 72 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. d | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | | |
| 17) trans-1,2-Dichloroethene | 2.83 | 96 | 8138 | 2.801 | ppb | | 97 |
| 18) Diisopropyl ether (DIPE) | 3.27 | 45 | 66 | | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. | | |
| 21) 2,2-Dichloropropane | 3.60 | 77 | 235 | | N.D. | | |
| 22) cis-1,2-Dichloroethene | 3.67 | 96 | 237895 | 76.028 | ppb | | 91 |
| 23) Chloroform | 4.02 | 83 | 80 | | N.D. | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. | | |
| 26) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. d | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. | | |
| 31) Benzene | 4.39 | 78 | 11205 | 0.929 | ppb | | 98 |
| 32) Trichloroethene | 4.93 | 95 | 154582 | 49.525 | ppb | | 97 |
| 33) 1,2-Dichloropropane | 5.25 | 63 | 55 | | N.D. | | |
| 34) Bromodichloromethane | 5.44 | 83 | 99 | | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061430.D
 Acq On : 14 Jun 2023 06:24 pm
 Operator : LM
 Sample : 306191-09 1/10
 Misc : water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS11

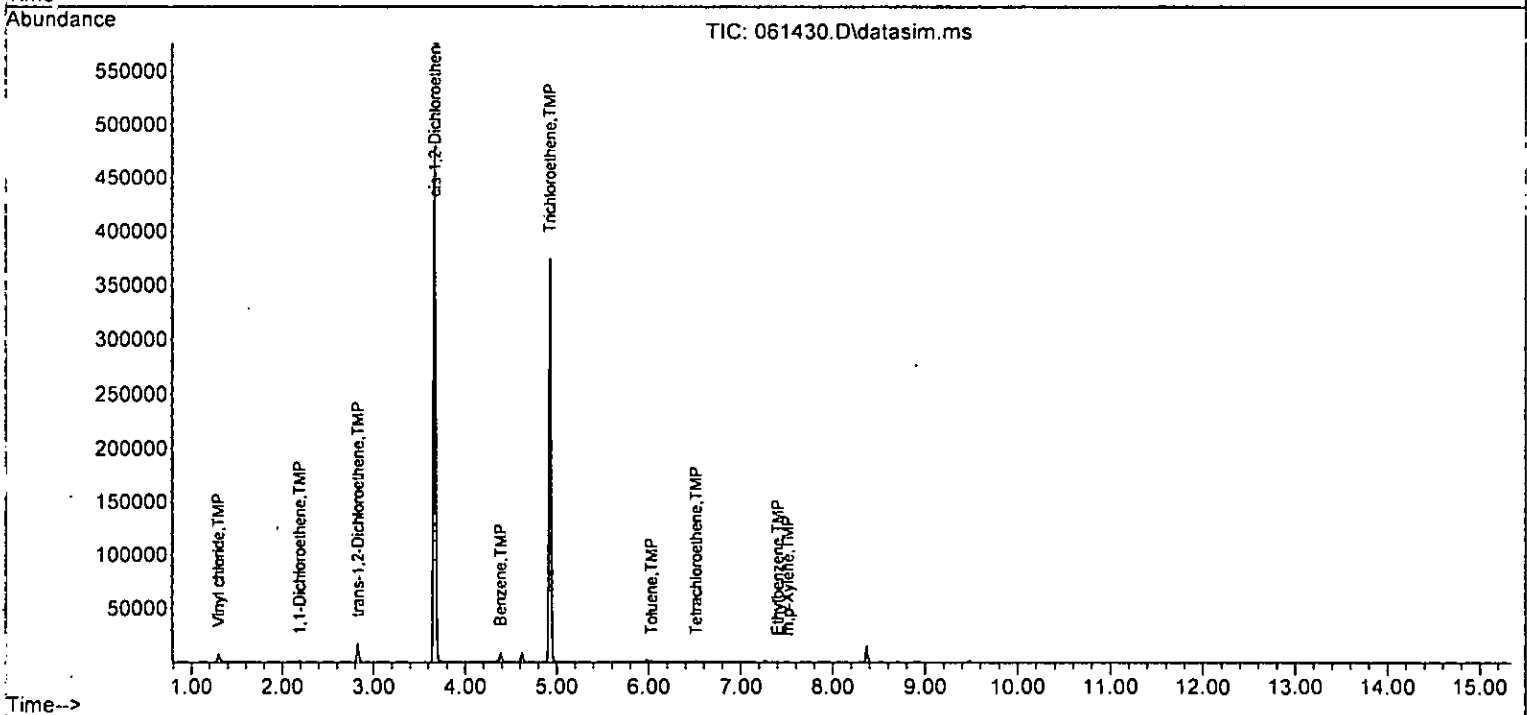
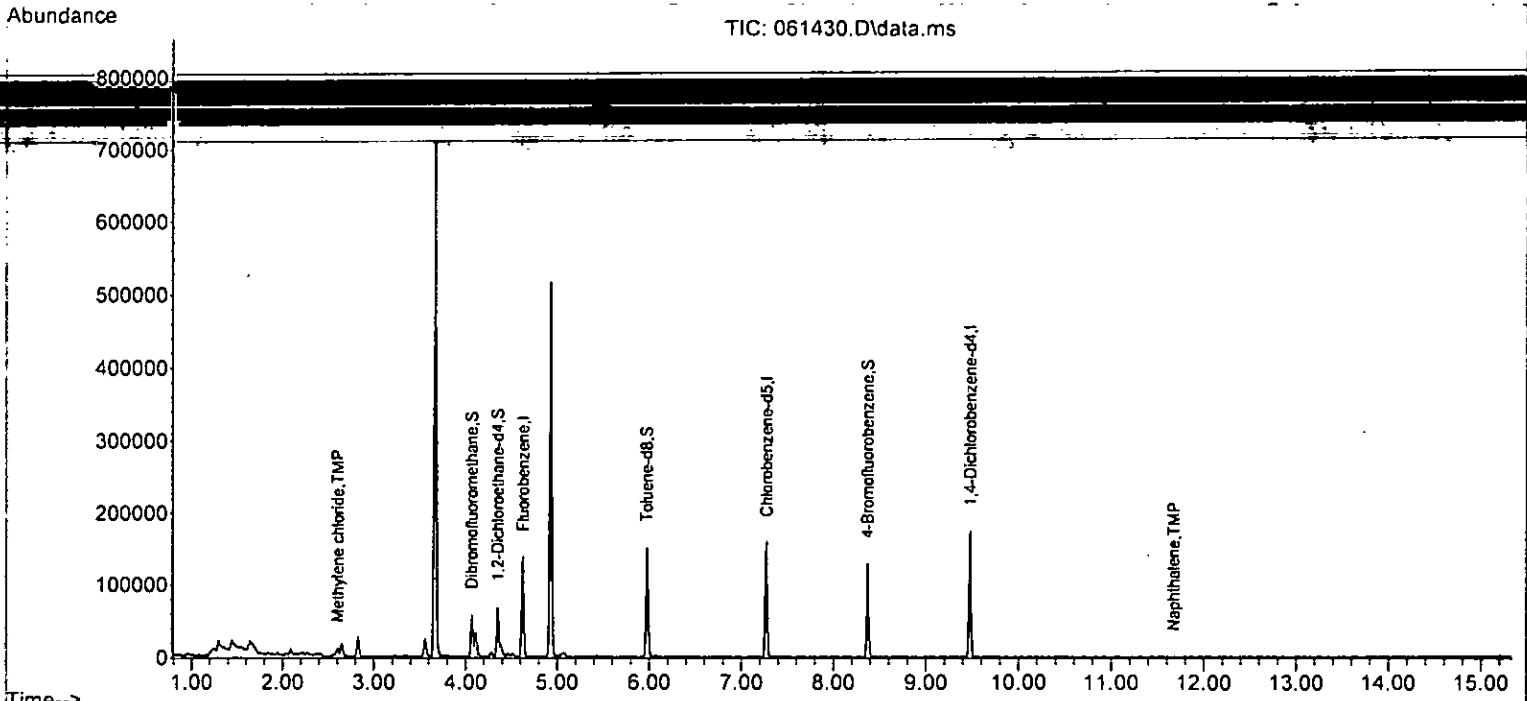
Quant Time: Jun 15 08:59:48 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.03 | 92 | 364 | 0.041 | ppb | 97 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.58 | 43 | 148 | | N.D. | |
| 44) 1,3-Dichloropropane | 6.59 | 76 | 67 | | N.D. | |
| 45) Tetrachloroethene | 6.51 | 164 | 133 | 0.049 | ppb | 98 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 7.30 | 112 | 80 | | N.D. | |
| 49) Ethylbenzene | 7.40 | 91 | 302 | 0.023 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51) m,p-Xylene | 7.51 | 106 | 71 | 0.015 | ppb | 87 |
| 52) o-Xylene | 0.00 | | 0 | | N.D. | |
| 53) Styrene | 7.90 | 104 | 51 | | N.D. | |
| 54) Isopropylbenzene | 8.23 | 105 | 99 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.62 | 91 | 133 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.62 | 91 | 133 | | N.D. | |
| 64) 4-Chlorotoluene | 8.80 | 91 | 113 | | N.D. | |
| 65) tert-Butylbenzene | 9.10 | 119 | 87 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 67) sec-Butylbenzene | 9.46 | 105 | 60 | | N.D. | |
| 68) p-Isopropyltoluene | 9.46 | 119 | 53 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 67 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.41 | 146 | 67 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 9.87 | 146 | 53 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 10.45 | 75 | 53 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.68 | 128 | 198 | 0.025 | ppb | 68 |
| 76) 1,2,3-Trichlorobenzene | 11.94 | 180 | 58 | | N.D. | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061430.D
 Acq On : 14 Jun 2023 06:24 pm
 Operator : LM
 Sample : 306191-09 1/10
 Misc : water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:48 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061429.D
 Acq On : 14 Jun 2023 06:01 pm
 Operator : LM
 Sample : 306191-10 1/10
 Misc : water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

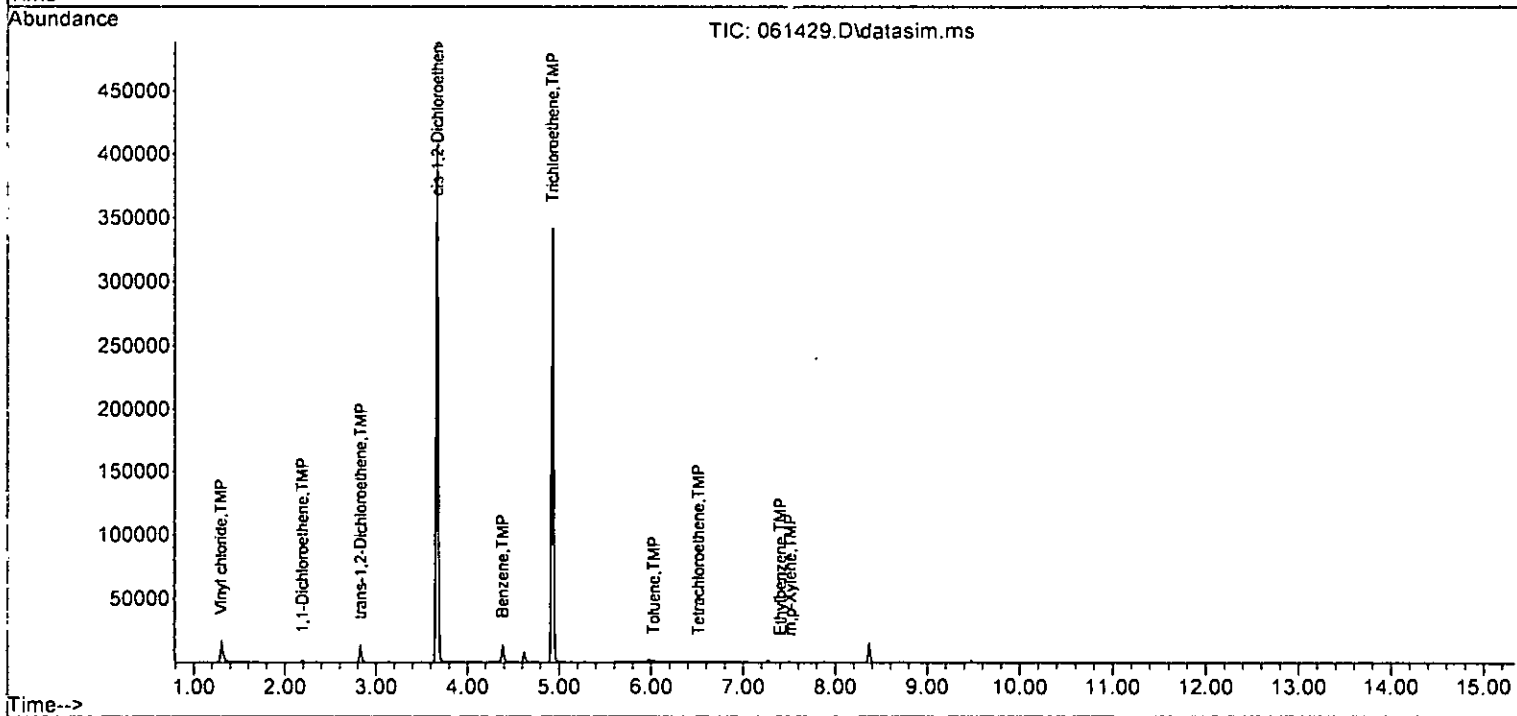
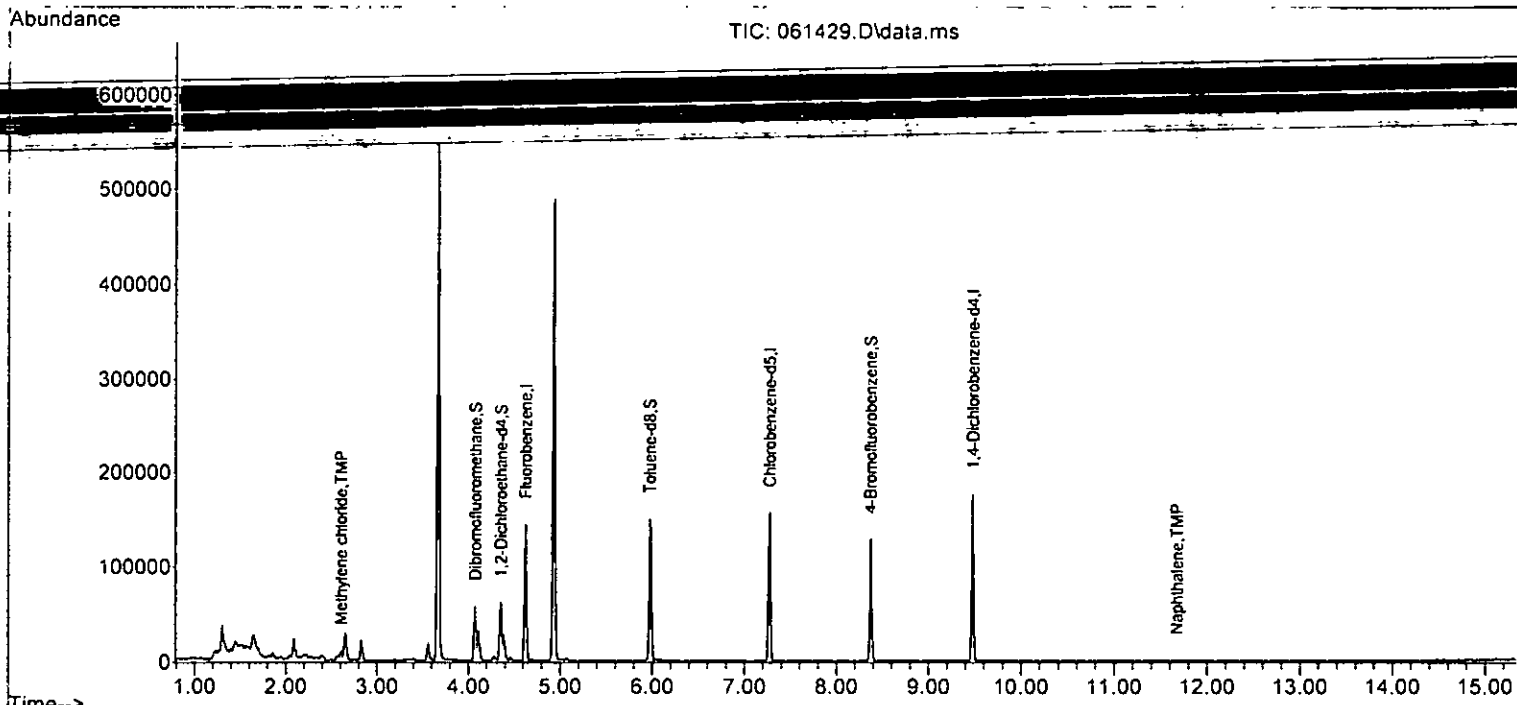
Quant Time: Jun 15 08:59:44 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

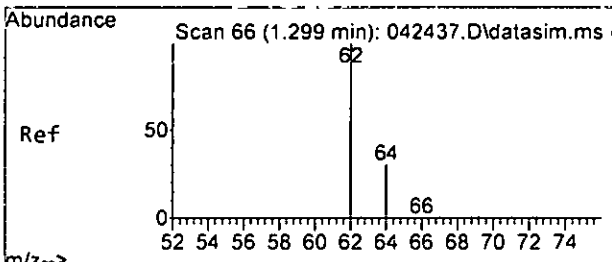
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|--------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 87851 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 63443 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33897 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 25439 | 10.213 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 102.10% | | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5906 | 10.947 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery | = | 109.50% | | |
| 35) Toluene-d8 | 5.97 | 98 | 83862 | 9.769 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery | = | 97.70% | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32518 | 10.312 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery | = | 103.10% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.30 | 62 | 26325 | 3.167 | ppb | | 93 |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 782 | 0.193 | ppb | | 85 |
| 14) Methylene chloride | 2.61 | 84 | 2608 | 0.956 | ppb | # | 78 |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 6129 | 2.167 | ppb | | 96 |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 193076 | 63.369 | ppb | | 93 |
| 31] Benzene | 4.38 | 78 | 17667 | 1.504 | ppb | | 99 |
| 32] Trichloroethene | 4.93 | 95 | 141396 | 46.522 | ppb | | 99 |
| 40] Toluene | 6.03 | 92 | 428 | 0.053 | ppb | | 98 |
| 45] Tetrachloroethene | 6.51 | 164 | 72 | 0.023 | ppb | | 98 |
| 49] Ethylbenzene | 7.40 | 91 | 299 | 0.024 | ppb | | 96 |
| 51] m,p-Xylene | 7.51 | 106 | 79 | 0.017 | ppb | | 89 |
| 75) Naphthalene | 11.68 | 128 | 247 | 0.030 | ppb | | 68 |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061429.D
 Acq On : 14 Jun 2023 06:01 pm
 Operator : LM
 Sample : 306191-10 1/10
 Misc : water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

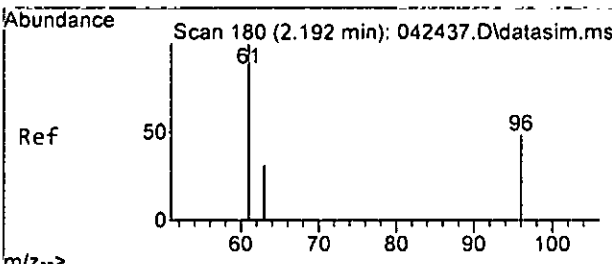
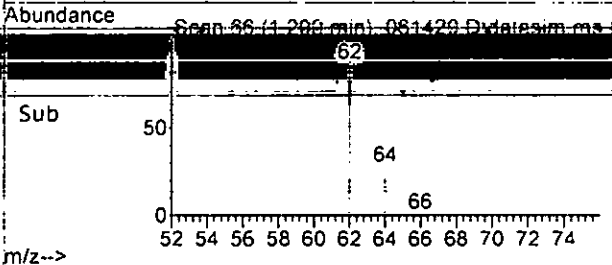
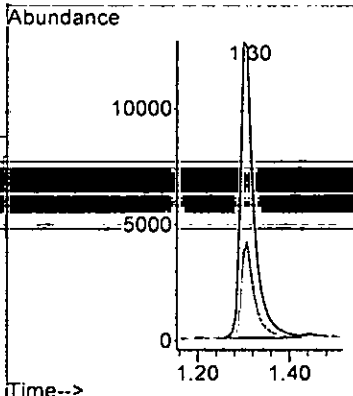
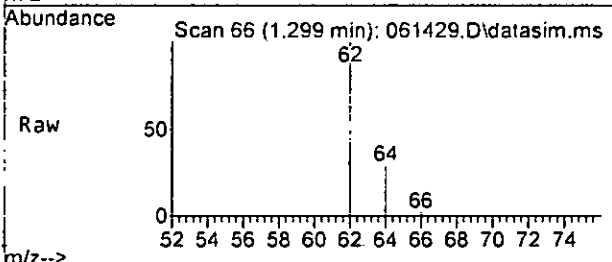
Quant Time: Jun 15 08:59:44 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M





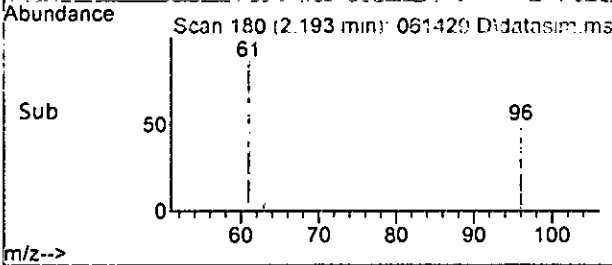
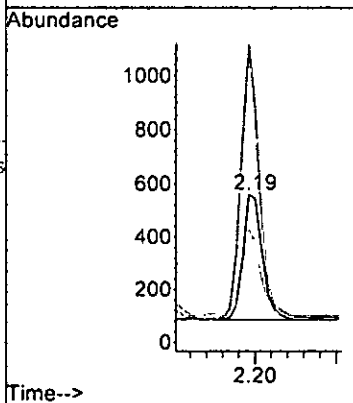
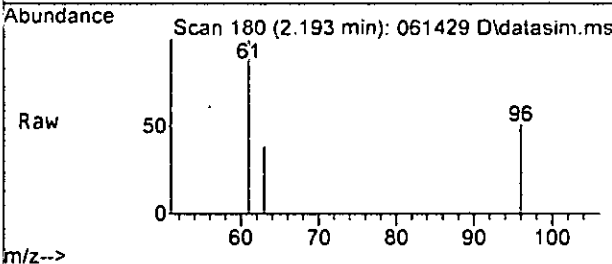
#6
 Vinyl chloride
 Concen: 3.167 ppb
 RT: 1.30 min Scan# 66
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

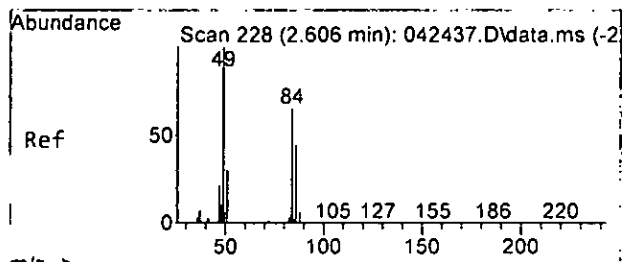
Tgt Ion: 62 Resp: 26325
 Ion Ratio Lower Upper
 62 100
 64 28.1 1.8 61.8



#12
 1,1-Dichloroethene
 Concen: 0.193 ppb
 RT: 2.19 min Scan# 180
 Delta R.T. 0.001 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

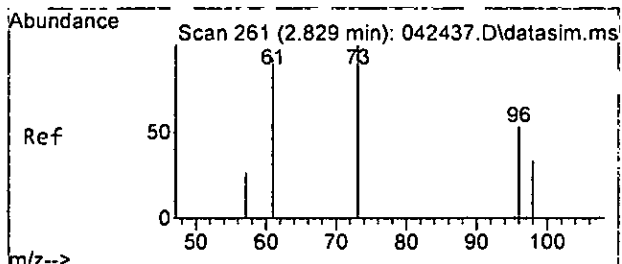
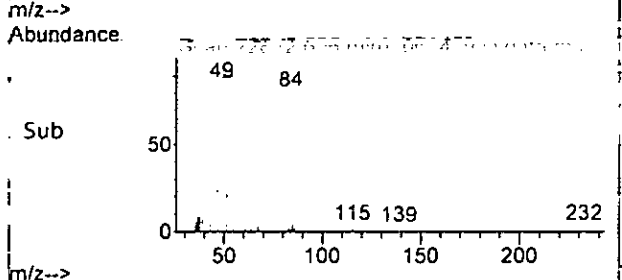
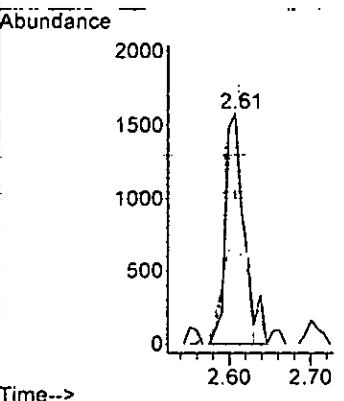
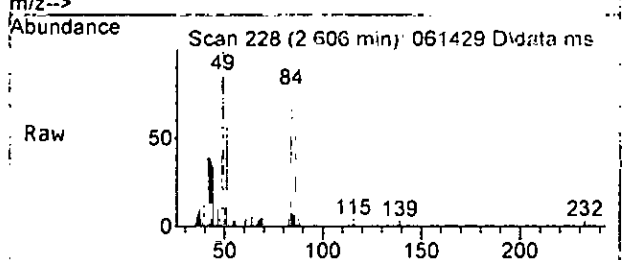
Tgt Ion: 96 Resp: 782
 Ion Ratio Lower Upper
 96 100
 61 214.9 158.7 218.7
 63 69.7 33.5 93.5





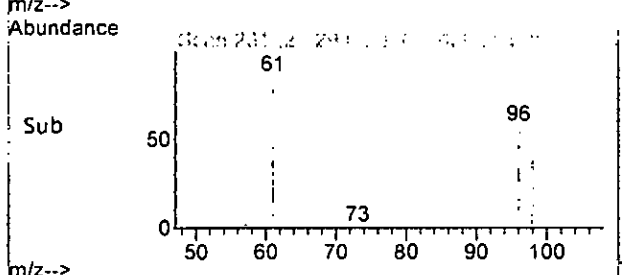
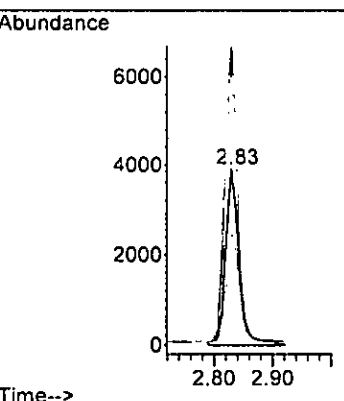
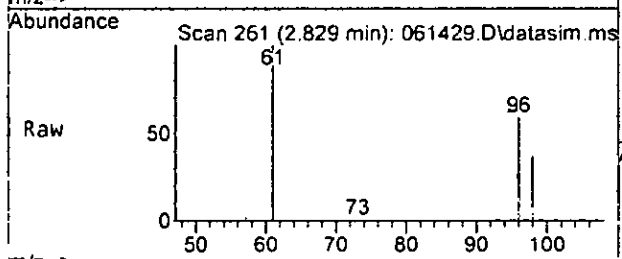
#14
 Methylene chloride
 Concen: 0.956 ppb
 RT: 2.61 min Scan# 228
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

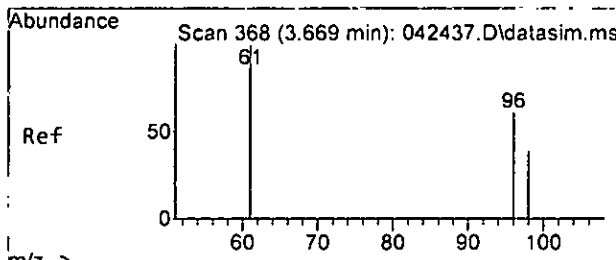
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 100 | | |
| 86 | 67.0 | 41.4 | 101.4 |
| 49 | 128.7 | 137.3 | 197.3# |



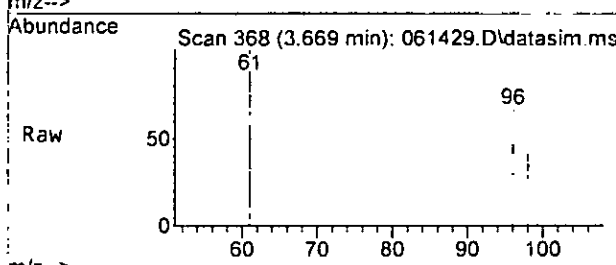
#17
 trans-1,2-Dichloroethene
 Concen: 2.167 ppb
 RT: 2.83 min Scan# 261
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 170.4 | 134.1 | 194.1 |
| 98 | 63.4 | 34.9 | 94.9 |

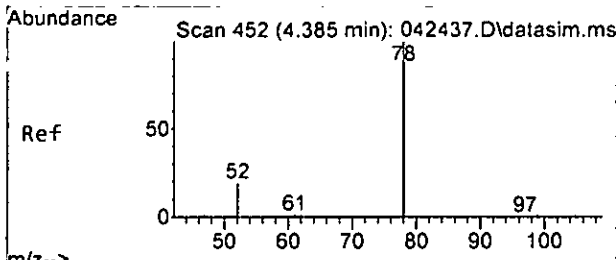
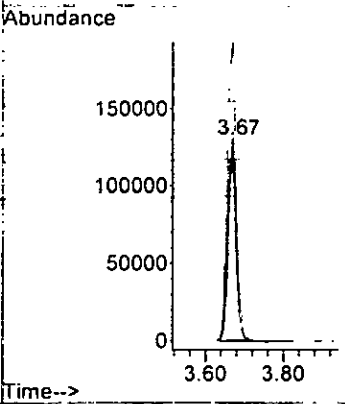
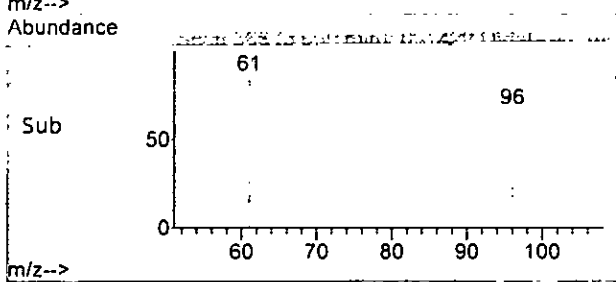




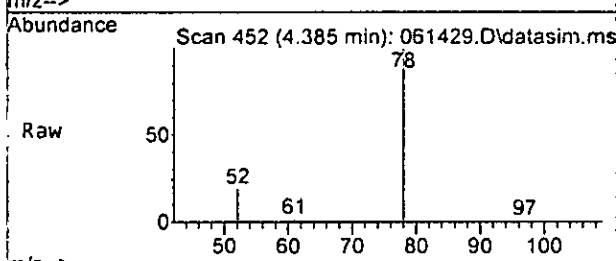
#22
 cis-1,2-Dichloroethene
 Concen: 63.369 ppb
 RT: 3.67 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm



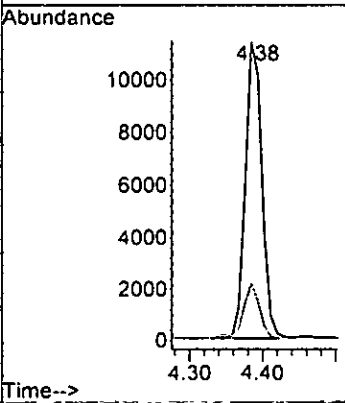
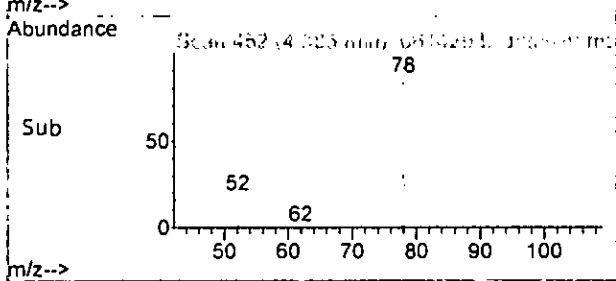
Tgt Ion: 96 Resp: 193076
 Ion Ratio Lower Upper
 96 100
 61 149.2 132.2 192.2
 98 64.0 34.9 94.9

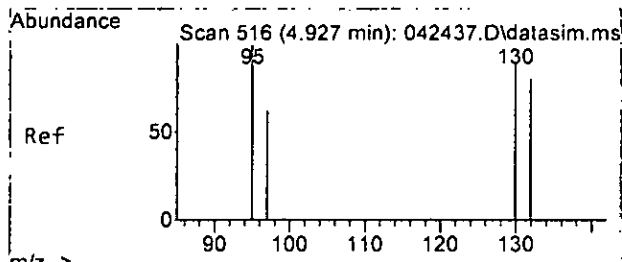


#31
 Benzene
 Concen: 1.504 ppb
 RT: 4.38 min Scan# 452
 Delta R.T. -0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

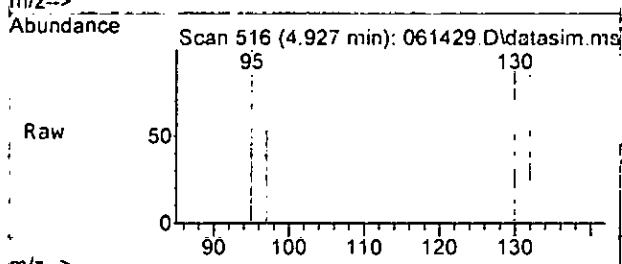


Tgt Ion: 78 Resp: 17667
 Ion Ratio Lower Upper
 78 100
 52 18.6 0.0 49.1

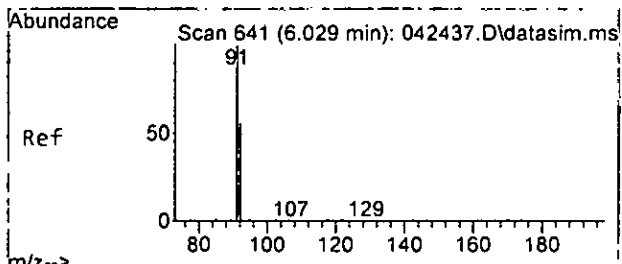
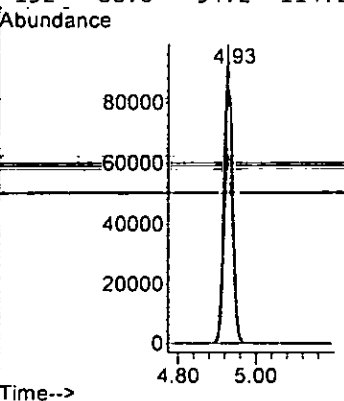
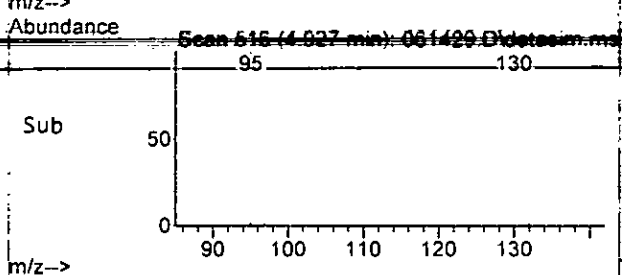




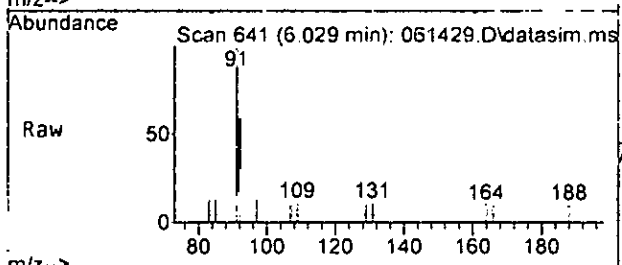
#32
 Trichloroethene
 Concen: 46.522 ppb
 RT: 4.93 min Scan# 516
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm



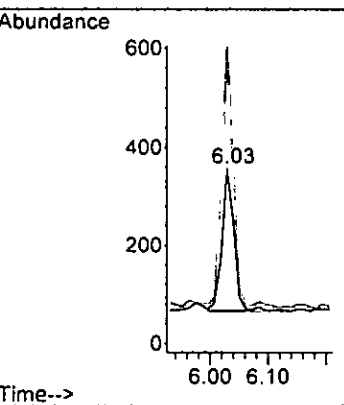
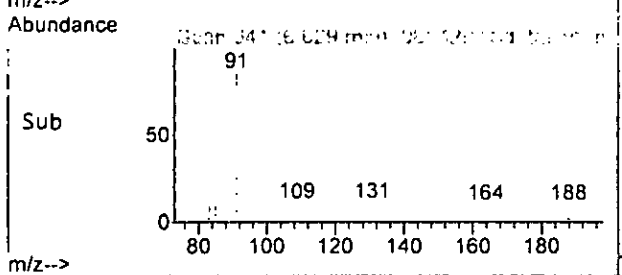
Tgt Ion: 95 Resp: 141396
 Ion Ratio Lower Upper
 95 100
 97 64.7 33.6 93.6
 130 92.9 62.5 122.5
 132 86.0 54.2 114.2

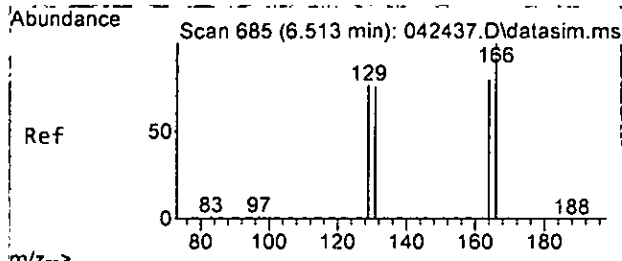


#40
 Toluene
 Concen: 0.053 ppb
 RT: 6.03 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm



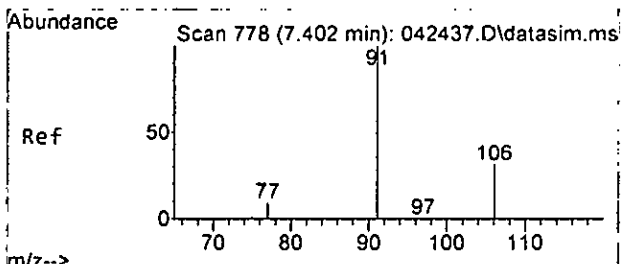
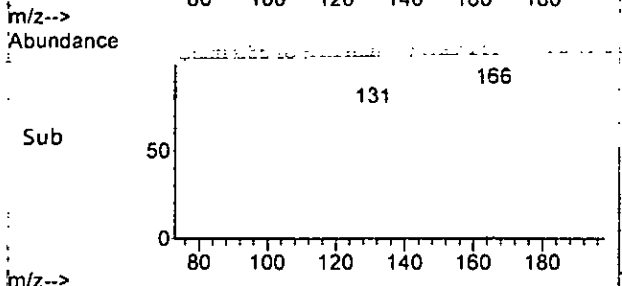
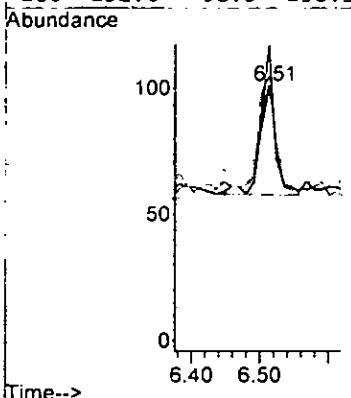
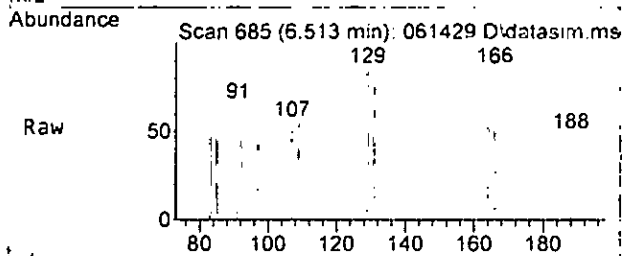
Tgt Ion: 92 Resp: 428
 Ion Ratio Lower Upper
 92 100
 91 181.8 149.2 209.2





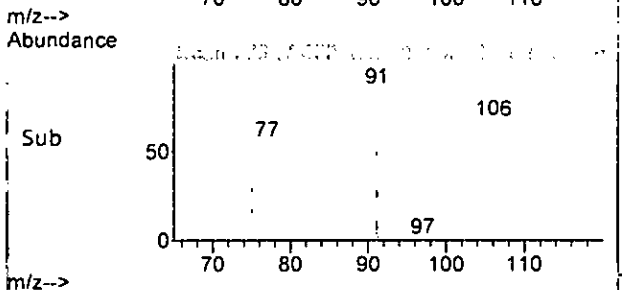
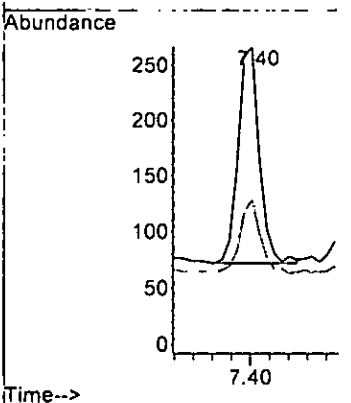
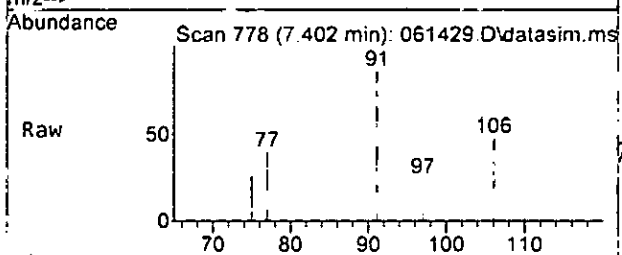
#45
 Tetrachloroethene
 Concen: 0.023 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. -0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

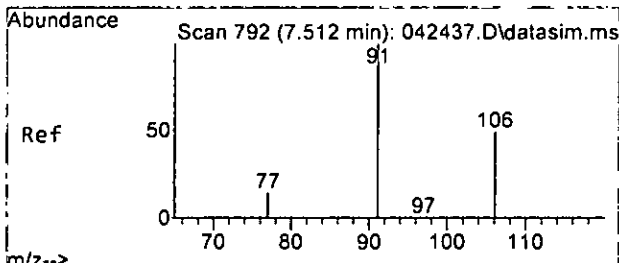
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 95.3 | 64.7 | 124.7 |
| 131 | 93.0 | 63.9 | 123.9 |
| 166 | 132.6 | 98.3 | 158.3 |



#49
 Ethylbenzene
 Concen: 0.024 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

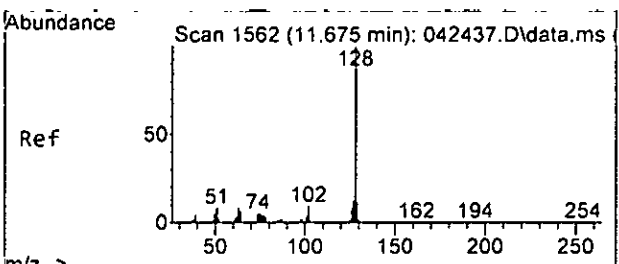
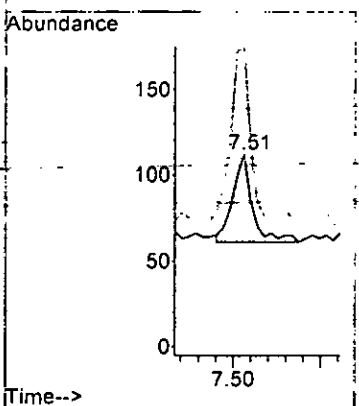
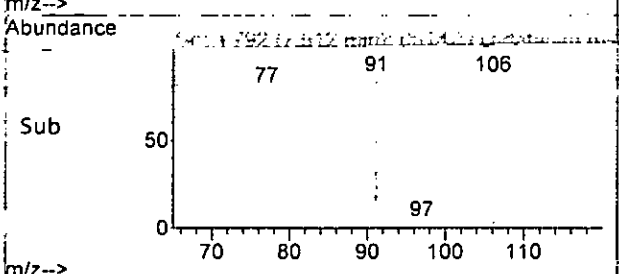
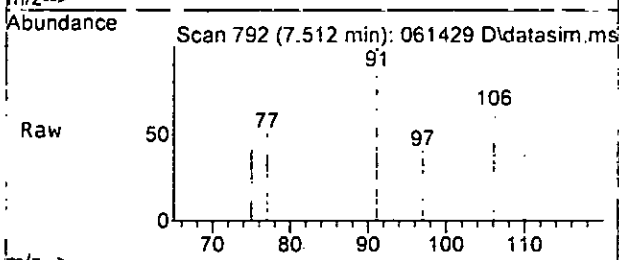
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 106 | 33.3 | 1.1 | 61.1 |





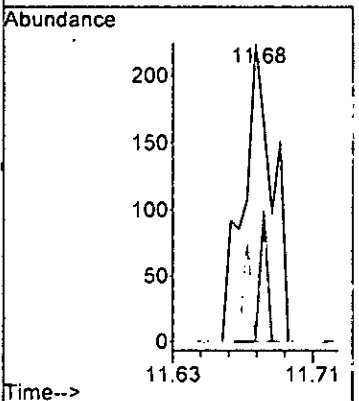
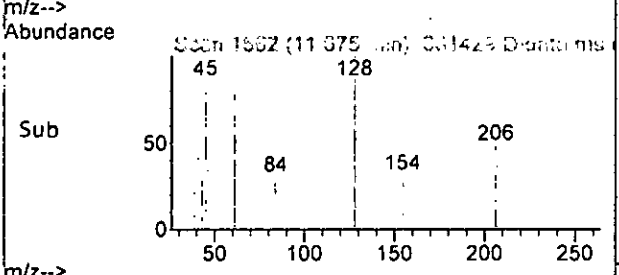
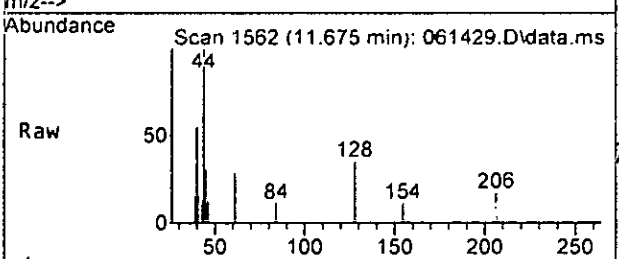
#51
 m,p-Xylene
 Concen: 0.017 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 190.2 | 177.1 | 237.1 |



#75
 Naphthalene
 Concen: 0.030 ppb
 RT: 11.68 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: 061429.D
 Acq: 14 Jun 2023 06:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 0.0 | 0.0 | 42.2 |
| 127 | 0.0 | 0.0 | 42.6 |



Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061429.D
 Acq On : 14 Jun 2023 06:01 pm
 Operator : LM
 Sample : 306191-10 1/10
 Misc : water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:44 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|--------------------|----------|-------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.63 | 96 | 87851 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.27 | 117 | 63443 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.48 | 152 | 33897 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.08 | 113 | 25439 | 10.213 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery = 102.10% | | | | |
| 30) 1,2-Dichloroethane-d4 | 4.36 | 102 | 5906 | 10.947 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 78 - 126 | Recovery = 109.50% | | | | |
| 35) Toluene-d8 | 5.97 | 98 | 83862 | 9.769 | ppb | -0.01 | |
| Spiked Amount | 10.000 | Range 84 - 115 | Recovery = 97.70% | | | | |
| 57) 4-Bromofluorobenzene | 8.37 | 95 | 32518 | 10.312 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 72 - 130 | Recovery = 103.10% | | | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 1.83 | 45 | 169 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.06 | 85 | 249 | N.D. | | | |
| 5) Chloromethane | 1.23 | 50 | 413 | N.D. | | | |
| 6] Vinyl chloride | 1.30 | 62 | 26325 | 3.167 | ppb | | 93 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 1.60 | 64 | 248 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.39 | 45 | 850 | No Calib | | | |
| 11) Acetone | 2.27 | 58 | 371 | N.D. | | | |
| 12] 1,1-Dichloroethene | 2.19 | 96 | 782 | 0.193 | ppb | | 85 |
| 13) Hexane | 3.06 | 57 | 60 | N.D. | | | |
| 14) Methylene chloride | 2.61 | 84 | 2608 | 0.956 | ppb | # | 78 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.83 | 96 | 6129 | 2.167 | ppb | | 96 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.O. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.60 | 77 | 50 | N.D. | | | |
| 22] cis-1,2-Dichloroethene | 3.67 | 96 | 193076 | 63.369 | ppb | | 93 |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 4.39 | 73 | 605 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | N.D. | d | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 4.22 | 75 | 82 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.38 | 78 | 17667 | 1.504 | ppb | | 99 |
| 32] Trichloroethene | 4.93 | 95 | 141396 | 46.522 | ppb | | 99 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 5.29 | 83 | 61 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061429.D
 Acq On : 14 Jun 2023 06:01 pm
 Operator : LM
 Sample : 306191-10 1/10
 Misc : water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

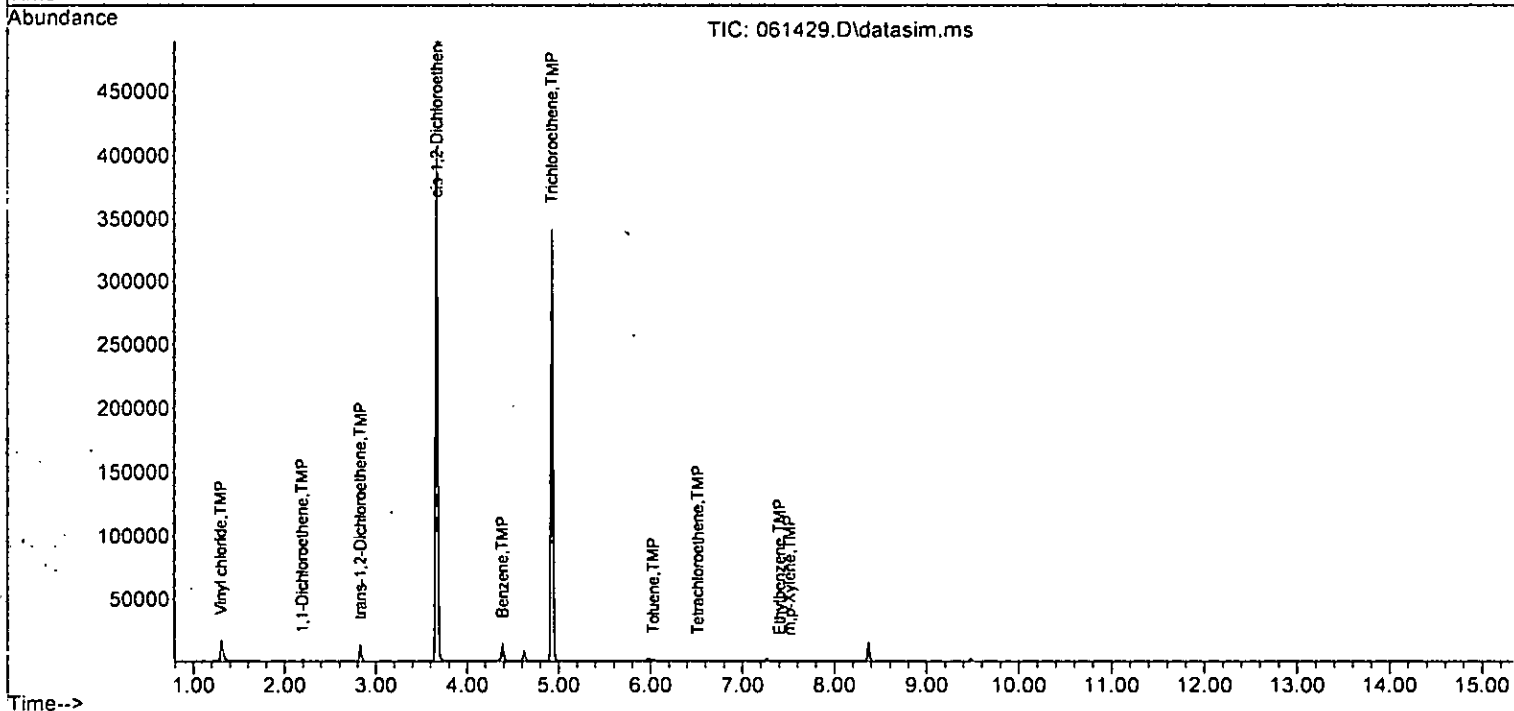
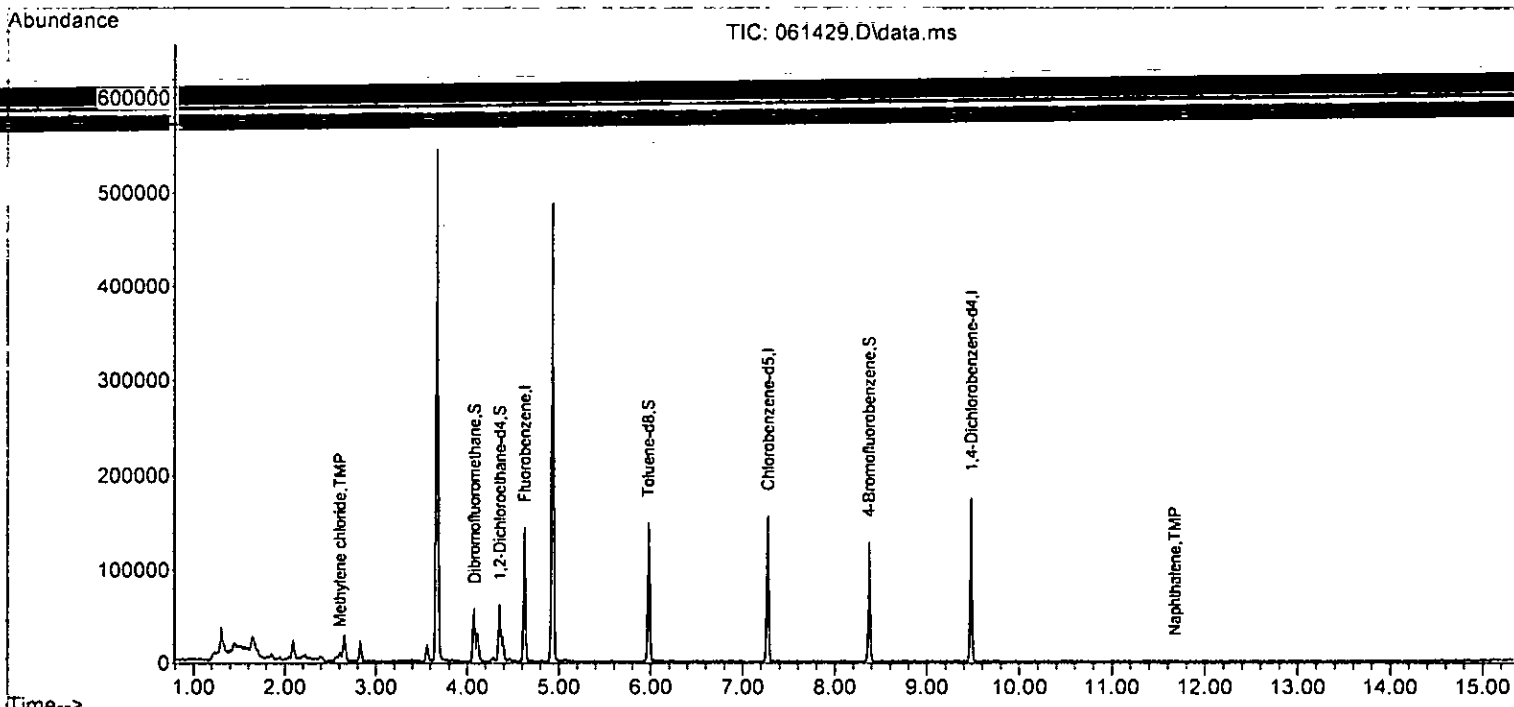
Quant Time: Jun 15 08:59:44 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 5.77 | 75 | 94 | N.D. | | |
| 40) Toluene | 6.03 | 92 | 428 | 0.053 | ppb | 98 |
| 41) trans-1,3-Dichloropropene | 6.19 | 75 | 91 | N.D. | | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 43) 2-Hexanone | 6.65 | 43 | 198 | N.D. | | |
| 44) 1,3-Dichloropropane | 6.68 | 76 | 134 | N.D. | | |
| 45) Tetrachloroethene | 6.51 | 164 | 72 | 0.023 | ppb | 98 |
| 46) Dibromochloromethane | 0.00 | | 0 | N.D. | | |
| 47) 1,2-Dibromoethane (ED8) | 0.00 | | 0 | N.D. | | |
| 48) Chlorobenzene | 0.00 | | 0 | N.D. | | |
| 49) Ethylbenzene | 7.40 | 91 | 299 | 0.024 | ppb | 96 |
| 50) 1,1,1,2-Tetrachloroethane | 7.56 | 131 | 57 | N.D. | | |
| 51) m,p-Xylene | 7.51 | 106 | 79 | 0.017 | ppb | 89 |
| 52) o-Xylene | 0.00 | | 0 | N.D. | | |
| 53) Styrene | 7.84 | 104 | 108 | N.D. | | |
| 54) Isopropylbenzene | 8.39 | 105 | 70 | N.D. | | |
| 55) Bromoform | 8.01 | 173 | 83 | N.D. | | |
| 58) n-Propylbenzene | 8.83 | 91 | 86 | N.D. | | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | | |
| 60) 1,3,5-Trimethylbenzene | 8.80 | 105 | 146 | N.D. | | |
| 61) 1,1,2,2-Tetrachloroethane | 8.54 | 83 | 67 | N.D. | | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | | |
| 63) 2-Chlorotoluene | 8.83 | 91 | 86 | N.D. | | |
| 64) 4-Chlorotoluene | 8.83 | 91 | 86 | N.D. | | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | | |
| 66) 1,2,4-Trimethylbenzene | 9.06 | 105 | 60 | N.D. | | |
| 67) sec-Butylbenzene | 9.29 | 105 | 63 | N.D. | | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | N.D. | | |
| 69) 1,3-Dichlorobenzene | 9.41 | 146 | 67 | N.D. | | |
| 70) 1,4-Dichlorobenzene | 9.48 | 146 | 71 | N.D. | | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | | |
| 73) 1,2,4-Trichlorobenzene | 11.58 | 180 | 57 | N.D. | | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |
| 75) Naphthalene | 11.68 | 128 | 247 | 0.030 | ppb | 68 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | | |

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

Data Path : Y:\Proc_GCMS11\06-14-23\
 Data File : 061429.D
 Acq On : 14 Jun 2023 06:01 pm
 Operator : LM
 Sample : 306191-10 1/10
 Misc : water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Jun 15 08:59:44 2023
 Quant Method : Y:\Methods\Inst11\050923vms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed May 10 11:06:40 2023
 Response via : Initial Calibration
 DataAcq Meth:VM042423.M



F&B Project 306242

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

SAMPLE CHAIN OF CUSTODY

306247

Report To: JENNIFER MARSHALL

Company: ANCHOR OEA

Address: 1201 3rd Ave, #2600

City, State, ZIP: SEATTLE, WA, 98101

Phone: 2062879132 Email: LADATA@ANCHOR.OEA.COM

06/14/23

Page # 1 of 1

SAMPLERS (signature) *SSS*

PROJECT NAME & ADDRESS
CHRYSLER CLEANERS
4701 BAKULYN AVE AVE

NOTES:
See SCAAPP

PO #

211180-01.01

INVOICE TO

LADATA
ANCHOR OEA

TURNAROUND TIME
Standard
RUSH
Rush charges authorized by:

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

SAMPLE INFORMATION

| Sample Name | Lab ID | Canister ID | Flow Cont. ID | Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One) | Date Sampled | Initial Vac. ("Hg) | Field Initial Time | Final Vac. ("Hg) | Field Final Time | TO15 Full Scan | TO15 BTEXN | TO15 cVOCs | APH | Helium | Notes |
|--------------------|--------|-------------|---------------|--|--------------|--------------------|--------------------|------------------|------------------|----------------|------------|------------|-----|--------|-------------|
| CC-IA-01-20230613 | 01 | 20545 | F6606 | IA / SG | 6-13-23 | 21.0 | 7:35 | 5 | 1:535 | | | | | | ENVIRON AFR |
| CC-SS-01-20230613 | 02 | 8532 | 201 | IA / SG | 6-13-23 | 28.5 | 10:38 | 3.0 | 10:45 | | | | | | SUB-SAMS |
| CC-AA-01-20230613 | 03 | 18574 | 06604 | IA / SG | 6-13-23 | 30 | 07:30 | 4.0 | 15:30 | | | | | | AMBIENT AFR |
| CC-IA-02-20230613 | 04 | 40104 | 06602 | IA / SG | 6-13-23 | 30.0 | 09:20 | 3.0 | 17:10 | | | | | | ENVIRON AFR |
| CC-SS-02-20230613 | 05 | 9992 | F206 | IA / SG | 6-13-23 | 29.0 | 10:10 | 3.0 | 10:15 | | | | | | SUB-SAMS |
| CC-IA-04-20230613 | 06 | 21442 | 06602 | IA / SG | 6-13-23 | 30.0 | 9:00 | 5.0 | 17:00 | | | | | | ENVIRON AFR |
| CC-IA-03b-20230614 | 07 | 21484 | 07871 | IA / SG | 6-14-23 | 28.0 | 06:50 | 5.0 | 14:52 | | | | | | ENVIRON AFR |
| CC-SS-03b-20230614 | 08 | 8538 | 228 | IA / SG | 6-14-23 | 29.0 | 07:25 | 4.0 | 07:32 | | | | | | SUB-SAMS |

Sample IDs updated per Ali Jenkins 06/21/23 ME

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044
FORMS\COC\COCTO.15.DOC

| Relinquished by: | Signature | PRINT NAME | COMPANY | DATE | TIME |
|------------------|--------------------|-------------|------------|---------|-------|
| Relinquished by: | <i>[Signature]</i> | SACHS | Anchor OEA | 6-14-23 | 15:55 |
| Received by: | <i>[Signature]</i> | DeDe Webber | Anchor OEA | 6/14/23 | 13:55 |
| Relinquished by: | | | | | |
| Received by: | | | | | |

Samples received at 24 of

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 306242 CLIENT ACC INITIALS/ DATE: BN 6/14

If custody seals are present on cooler, are they intact? [X] NA [] YES [] NO

Cooler/Sample temperature 22 °C Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? [] YES [X] NO

How did samples arrive? [X] Over the Counter [] Picked up by F&BI [] FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 1 days

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

Are the samples clearly identified? (explain "no" answer below) [X] YES [] NO

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

Sample ID's [X] Yes [] No # of Containers [X] Yes [] No Date Sampled [X] Yes [] No Relinquished [X] Yes [] No Time Sampled [X] Yes [] No Requested analysis [X] Yes [] No

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

Were appropriate sample containers used? [X] YES [] NO [] Unknown

If custody seals are present on samples, are they intact? [X] NA [] YES [] NO

Are samples requiring no headspace, headspace free? [X] NA [] YES [] NO

Air Samples: Were any additional canisters received? [] NA [X] YES [] NO

If Yes, number of unused 1L canisters 1 number of unused 6L canisters

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

CANISTER ORDER/TRACKING FORM

PREPARE ON: DATE 6/12 READY TIME: NOON
~~9 AM~~ *ef*

Company Anchor Contact Jennifer Marsalla

Project Name Carson Cleaners Sampling Date: 6/13 Match w/ coolers

Analytes: cVOCs BTEXN Full List APH Unknown Other _____

Ship: Ground 2 Day Overnight F&B courier Pick Up 6/12

Notes/Delivery Address: _____

CANISTERS/FLOW CONTROLLERS REQUESTED

| # | Size/Controller | Certification |
|----------|---|---|
| <u>4</u> | <input checked="" type="checkbox"/> 1L SG | <input checked="" type="checkbox"/> 150 cc/min (red) <input type="checkbox"/> 200 cc/min (yellow) |
| | <input type="checkbox"/> 6L SG | <input type="checkbox"/> OK to sub for 1L |
| <u>5</u> | <input checked="" type="checkbox"/> 6L 8hr IA | <u>6/12 7:10 JB</u> |
| | <input type="checkbox"/> 6L 24hr IA | |
| | <input type="checkbox"/> 6L Purge Can | |
| | <input type="checkbox"/> 1L SG N2 @ 30 PSI | |

*** ONLY 4 6L set out for pickup ef**

(SG = Soil Gas; IA = Indoor Air)

Soil Gas Manifolds: Y N How many? 4 (\$40 each)
 Additional Tubing: Y N How long? _____ ft (\$4 per foot)
 Tedlar Bags: Y N How many? _____ (\$13 each)
 Additional Ferrules: Y N How many? _____ (No fee)
 Other Item: _____ How many? _____ (\$_____ each)

CHECK OUT Time can/controllers assembled 6/12

- Vacuum Check >28" Hg
- Vacuum unchanged after 5 min (15 min IA). Release vacuum and recap
- 0" on gauge after 30 min OK
- Entered Can Controller IDs into Database
- Nuts/Ferrules Included on Ring
- Put Canister in Box Add COC Add ID Tags
- If requested add: Manifolds Extra Tubing Tedlar Bags Ferrules
- Manifold Billing Sheet to Mike's Box

Canisters (# Returned/Date) Flow Controllers (# Returned/Date)

6L 4 6/14 1L _____ | IA 4 6/14 SG _____ | OK Damage MISSING 6L can & controller JB 6/18

6L _____ 1L 4 6/14 | IA _____ SG 4 6/14 | OK Damage _____

Laboratory Worksheets

TO-15 EXTRACTION WORKSHEET (AIR)

Project #: 306242
 Client: Anchor
 QC Batch ID: 03-1454
 Samples checked against COC B

Date Received: 6/14/23 HT _____
 Date Extracted: 6/20/23
 Date Analyzed: _____
 GCMS 7 8, Seq. Date _____

| | | |
|--|--|---|
| Sample Type: | Requested Analytes: | Reporting Units: |
| <input type="checkbox"/> Soil Gas | <input type="checkbox"/> TO-15 Full List (sDF=3.3) | <input checked="" type="checkbox"/> µg/m3 |
| <input checked="" type="checkbox"/> Indoor Air | <input type="checkbox"/> cVOCs (sDF=10) | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> BTEX (sDF=33) | <input type="checkbox"/> ve's not Acceptable |
| | <input type="checkbox"/> Naphthalene (sDF=3.3) | <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects |
| | <input type="checkbox"/> APH (sDF=39) | <input type="checkbox"/> Screen Samples First |
| | <input checked="" type="checkbox"/> Other <u>PCE+Daughters</u> | |
| Due Date: <u>6/28</u> | sDF = Acceptable Dilution Factor For Soil Gas | |
| | iDF = Acceptable Dilution Factor For Indoor Air | |

| Sample ID | Canister ID | Initial Vacuum (Pi) | Final Vacuum (Pf) | Initial Dilution Factor | Volume Injected (cc) | Final Dilution Factor | Observations |
|-----------|----------------|---------------------|-------------------|-------------------------|----------------------|-----------------------|--------------|
| 01 | 20545 | | | | 250 | F-5 | |
| 03 | 18574 | | | | | | |
| 04 | 40704 | | | | | | |
| 06 | 21442 | | | | | | |
| 07 | 21484 | | | | | | |
| | <u>6/20/23</u> | _____ | | | | | |
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Initials _____

| ✓ | Volume | Conc. (ppm) | Compound(s) | Lot # | Initials | Date |
|------------------------------------|--------|-------------|-------------------|---------|----------|------|
| | NA | NA | NA | | | |
| Other | | | | | | |
| Internal Standard(s)/ Surrogate(s) | 50 cc | 50 ppbv | TO-15 IS/Surr Mix | 69-114A | K | 6/20 |
| Other | | | | | | |

Project Leader Initials: ML NOTES: -04 Rec'd w/valve wide open - receiving note 6/22
Tier IV Deliverable.

Calculated by MD 6/21/23 Reviewed by YA 6/21/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 06-20-23 13:40

Technician: Bl

QA Batch: **03-1454**

Matrix

- Soil
- Water
- Product
- Wipe
- Other Air

Solvent

- Methylene Chloride
- Acetone
- Methanol
- Hexane
- Other _____

Analysis

- Diesel
- Gas/BTEX
- HCID
- 8270 SIM
- 8270
- 8260
- PCB
- Organic Lead
- Methamphetamine
- Other TO15/APH

Clean Up: Florsil (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other _____

| Sample ID | pH Waters only | Sample Weight/ Volume | Extraction Solvent Volume | Final Volume | Dilutions | | Clean Up (Circle) | | | Observations |
|---------------|----------------|-----------------------|---------------------------|--------------|--------------|--------------|-------------------|-----------|-----------------------------------|--------------|
| | | | | | Amt. Extract | Amt. Solvent | Silica | FL Filter | Cu H ₂ SO ₄ | |
| MB | | 250 | | | | | | | | |
| LCS (TO15) | | 25 | | | | | | | | |
| LCS (APH) | | 150 | | | | | | | | |
| 306242-04 | | 250 | | | | | | | | |
| 306242-04 dup | | 250 | | | | | | | | |
| <u>1/2</u> | <u>6/20/23</u> | ← | | | | | | | | |
| | | | | | | | | | | |
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Initials _____

Samples in Batch

| | | | | |
|------------------|------------------|--|--|--|
| <u>306242-01</u> | <u>306242-07</u> | | | |
| <u>-03</u> | | | | |
| <u>-04</u> | | | | |
| <u>-06</u> | | | | |

-06 56/w

Matrix Spikes:

25cc μ L of 25 ppbv ppm of TO15 ccv/LCS
 Amount Concentration Analytes and Solvent

Lot # 69-105-A 6/20/23 Bl

Matrix Spikes:

150cc μ L of 112.5ug/L ppm of APH LCS
 Amount Concentration Analytes and Solvent

Lot # 69-117 B

Surrogates:

_____ μ L of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Internal Standards:

50cc μ L of 50 ppbv ppm of TO15 IS/SURR/BFB
 Amount Concentration Analytes and Solvent

Lot # 69-114 A

Notes: _____

TO-15 EXTRACTION WORKSHEET (AIR)

HT _____

Project #: 306242
 Client: Anchor
 QC Batch ID: 03-1448
 Samples checked against COC MD

Date Received: 6/14/23
 Date Extracted: 06/16/23
 Date Analyzed: _____
 GCMS 7 8, Seq. Date _____

| | | |
|--|--|---|
| Sample Type: <input checked="" type="checkbox"/> Soil Gas <input type="checkbox"/> Indoor Air <input type="checkbox"/> Other _____ | Requested Analytes: <input type="checkbox"/> TO-15 Full List (sDF=3.3) <input type="checkbox"/> BTEX (sDF=33) <input type="checkbox"/> cVOCs (sDF=10) <input type="checkbox"/> Naphthalene (sDF=3.3) <input type="checkbox"/> APH (sDF=39) <input type="checkbox"/> EDB,EDC,Hex,MTBE (sDF=10) <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Other <u>PCE+Daughters</u> | Reporting Units: <input checked="" type="checkbox"/> µg/m3 <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input checked="" type="checkbox"/> Screen Samples First |
| Due Date: <u>6/28</u> | sDF = Acceptable Dilution Factor For Soil Gas iDF = Acceptable Dilution Factor For Indoor Air | |

| Sample ID | Canister ID | Initial Vacuum (Pi) | Final Vacuum (Pf) | Initial Dilution Factor | Volume Injected (cc) | Final Dilution Factor | Observations | |
|-----------|-------------|---------------------|-------------------|-------------------------|----------------------|-----------------------|--------------|--|
| 02 | 8532 | 13.10 | 20.00 | 1.57 | 75 | 15.2 | | |
| 05 | 992 | 13.30 | 20.61 | 1.55 | 75 | 15.1 | | |
| 08 | 8538 | 13.04 | 20.51 | 1.57 | 75 | 15.2 | | |
| MD | 0/10/23 | | | | | | | |
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Initials _____

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

Project Leader Initials: µC NOTES: screened 0/15

Calculated by RB 6/20/23 Reviewed by YA 06/23/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 6-16-23 10:08 Technician: MO

QA Batch: **03-1448**

| | | | | | |
|--|---|----------------|---|-------------------------------------|--|
| Matrix | Solvent | Solvent | Analysis | | |
| <input type="checkbox"/> Soil | <input type="checkbox"/> Methylene Chloride | Lot # _____ | <input type="checkbox"/> Diesel | <input type="checkbox"/> 8270 SIM | <input type="checkbox"/> PCB |
| <input type="checkbox"/> Water | <input type="checkbox"/> Acetone | | <input type="checkbox"/> Gas/BTEX | <input type="checkbox"/> 8270 | <input type="checkbox"/> Organic Lead |
| <input type="checkbox"/> Product | <input type="checkbox"/> Methanol | | <input type="checkbox"/> HCID | <input type="checkbox"/> 8260 | <input type="checkbox"/> Methamphetamine |
| <input type="checkbox"/> Wipe | <input type="checkbox"/> Hexane | | | | <input checked="" type="checkbox"/> Other <u>TCIS</u> |
| <input checked="" type="checkbox"/> Other <u>Air</u> | <input type="checkbox"/> Other _____ | | Clean Up: <input type="checkbox"/> Florsil (FL) <input type="checkbox"/> Copper (Cu) | | |
| | | | <input type="checkbox"/> Silica | <input type="checkbox"/> Filtration | <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Other |

| Sample ID | pH Waters only | Sample Weight/Volume | Extraction Solvent Volume | Final Volume | Dilutions | | Clean Up (Circle) | | | Observations |
|--------------------|----------------|----------------------|---------------------------|--------------|--------------|--------------|-------------------|-----------|-----------------------------------|--------------------------------|
| | | | | | Amt. Extract | Amt. Solvent | Silica | FL Filter | Cu H ₂ SO ₄ | |
| <u>TCIS</u> LCS | | <u>25</u> | | | | | | | | |
| <u>AAT</u> LCS | | <u>150</u> | | | | | | | | |
| <u>MB</u> | | <u>250</u> | | | | | | | | |
| <u>DUP</u> | | <u>75</u> | | <u>75</u> | | | | | | <u>306244-01</u> <u>DUP</u> |
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Initials

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Samples in Batch

| | | | |
|--------------------|-------------------|--|--------------|
| <u>3062100 -01</u> | <u>↓ -08</u> | | <u>-02</u> |
| <u>↓ -02</u> | <u>306244 -01</u> | | <u>-03</u> |
| <u>306242 -02</u> | <u>↓ -03</u> | | <u>-04</u> |
| <u>1 -05</u> | <u>306188 -01</u> | | <u>↓ -05</u> |

| | | | |
|-----------------------|-------------------------------------|---|-------------------------------------|
| Matrix Spikes: | | | Date/Initials |
| <u>25</u> μ L of | <u>29 ppb</u> ppm of | <u>TCIS CCS/LCS</u> Analytes and Solvent | Lot # <u>69-02 A</u> <u>6/16 MO</u> |
| Amount CC | Concentration | | |
| Matrix Spikes: | | | |
| <u>150</u> μ L of | <u>1125 ug/m³</u> ppm of | <u>AAT LCS</u> Analytes and Solvent | Lot # <u>69-59 B</u> |
| Amount CC | Concentration | | |
| Surrogates: | | | |
| _____ μ L of | _____ ppm of | _____ Analytes and Solvent | Lot # _____ |
| Amount | Concentration | | |
| Internal Standards: | | | |
| <u>50</u> μ L of | <u>50 ppb</u> ppm of | <u>TCIS ZS/SU/MB</u> Analytes and Solvent | Lot # <u>69-61 A</u> |
| Amount CC | Concentration | | |

Notes: _____

EPA TO-15
MDLs

Reported MDL Data and Calculations

Converted from Reported Air MDLs ppbv

Analysis: TO-15
 Matrix: Air
 Instrument ID: GCMS #7
 Reporting Units: ug/m3

Standard(s) spiked:
 Volume spiked:
 Date(s) Extracted: 5/31/2022; 6/1/2022; 8/31/2022; 9/1/2022; 1/30/2023; 2/1/2023; 2/2/2023; 2/3/2023
 Date(s) Analyzed: 6/2/2022; 6/3/2022; 9/1/2022; 9/2/2022; 1/31/2023; 2/2/2023; 2/3/2023; 2/4/2023
 Date Calculated: 6/8/2022; 6/8/2022; 9/8/2022; 1/31/2023; 2/2/2023; 2/9/2023; 3/2/2023
 Calculation Analyst: BAT; JLM

| Analyte | (StdDev*2.998) MDL | (2*MDL) PQL | (5*MDL) PQL | Std Dev | Mean | Spike Level | % Rec. |
|----------------------------|-----------------------|----------------|----------------|------------|---------|----------------|-----------|
| Propene | 0.1992 | 0.3984 | 0.9960 | 0.0664 | 0.1712 | 0.1721 | 100 |
| Dichlorodifluoromethane | 0.1402 | 0.2804 | 0.7010 | 0.0468 | 0.4673 | 0.4945 | 95 |
| Chloromethane | 0.0720 | 0.1441 | 0.3602 | 0.0240 | 0.2210 | 0.2065 | 107 |
| F-114 | 0.3214 | 0.6427 | 1.6068 | 0.1072 | 0.6964 | 0.6991 | 100 |
| Vinyl chloride | 0.0116 | 0.0232 | 0.0579 | 0.0039 | 0.0550 | 0.0511 | 108 |
| 1,3-Butadiene | 0.0240 | 0.0480 | 0.1199 | 0.0080 | 0.0470 | 0.0442 | 106 |
| Butane | 0.4766 | 0.9533 | 2.3832 | 0.1590 | 5.1761 | 4.7542 | 109 |
| Bromomethane | 1.2733 | 2.5466 | 6.3666 | 0.4247 | 8.8669 | 7.7661 | 114 |
| Chloroethane | 0.0378 | 0.0756 | 0.1891 | 0.0126 | 0.2520 | 0.2638 | 96 |
| Vinyl Bromide | 0.0343 | 0.0686 | 0.1715 | 0.0114 | 0.4008 | 0.4375 | 92 |
| Ethanol | 1.3042 | 2.6083 | 6.5209 | 0.4350 | 3.7054 | 3.7685 | 98 |
| Acrolein | 0.1011 | 0.2022 | 0.5054 | 0.0337 | 0.1184 | 0.1146 | 103 |
| Pentane | 1.1097 | 2.2194 | 5.5484 | 0.3701 | 6.1615 | 5.9018 | 104 |
| Trichlorofluoromethane | 0.2069 | 0.4137 | 1.0344 | 0.0690 | 0.4979 | 0.5618 | 89 |
| Acetone | 1.3289 | 2.6578 | 6.6445 | 0.4433 | 5.1708 | 4.7509 | 109 |
| 2-Propanol | 0.7099 | 1.4197 | 3.5494 | 0.2368 | 4.9245 | 4.9162 | 100 |
| 1,1-Dichloroethene | 0.0444 | 0.0889 | 0.2222 | 0.0148 | 0.0857 | 0.0793 | 108 |
| trans-1,2-Dichloroethene | 0.0514 | 0.1028 | 0.2570 | 0.0171 | 0.0917 | 0.0793 | 116 |
| Methylene chloride | 1.2549 | 2.5097 | 6.2743 | 0.4186 | 7.3489 | 6.9472 | 106 |
| t-Butyl alcohol (TBA) | 0.3265 | 0.6530 | 1.6325 | 0.1089 | 6.3286 | 6.0630 | 104 |
| 3-Chloropropene | 0.6642 | 1.3284 | 3.3211 | 0.2216 | 6.4424 | 6.2601 | 103 |
| CFC-113 | 0.2832 | 0.5664 | 1.4160 | 0.0945 | 0.8181 | 0.7664 | 107 |
| Carbon disulfide | 0.9593 | 1.9186 | 4.7964 | 0.3200 | 6.7479 | 6.2282 | 108 |
| Methyl t-butyl ether (...) | 0.6951 | 1.3903 | 3.4757 | 0.2319 | 7.5000 | 7.2106 | 104 |
| Vinyl acetate | 0.9106 | 1.8213 | 4.5531 | 0.3037 | 7.1381 | 7.0421 | 101 |
| 1,1-Dichloroethane | 0.0243 | 0.0485 | 0.1213 | 0.0081 | 0.0870 | 0.0809 | 108 |
| cis-1,2-Dichloroethene | 0.0200 | 0.0401 | 0.1001 | 0.0067 | 0.0857 | 0.0793 | 108 |
| Hexane | 0.9218 | 1.8435 | 4.6088 | 0.3075 | 7.1579 | 7.0495 | 102 |
| Chloroform | 0.0375 | 0.0749 | 0.1874 | 0.0125 | 0.1007 | 0.0977 | 103 |
| Ethyl acetate | 1.2747 | 2.5494 | 6.3734 | 0.4252 | 7.2749 | 7.2074 | 101 |
| Tetrahydrofuran | 0.1496 | 0.2993 | 0.7482 | 0.0499 | 0.2776 | 0.2949 | 94 |
| 2-Butanone (MEK) | 1.0642 | 2.1284 | 5.3211 | 0.3550 | 6.5633 | 5.8986 | 111 |
| 1,2-Dichloroethane (EDC) | 0.0243 | 0.0485 | 0.1213 | 0.0081 | 0.0809 | 0.0809 | 100 |
| 1,1,1-Trichloroethane | 0.0426 | 0.0852 | 0.2130 | 0.0142 | 0.1187 | 0.1091 | 109 |
| Carbon tetrachloride | 0.0403 | 0.0807 | 0.2016 | 0.0135 | 0.1353 | 0.1258 | 108 |
| Benzene | 0.0382 | 0.0765 | 0.1911 | 0.0128 | 0.0855 | 0.0639 | 134 |
| Cyclohexane | 0.7601 | 1.5203 | 3.8006 | 0.2535 | 7.1721 | 6.8843 | 104 |
| 1,2-Dichloropropane | 0.0863 | 0.1726 | 0.4314 | 0.0288 | 0.4517 | 0.4621 | 98 |
| 1,4-Dioxane | 0.0606 | 0.1211 | 0.3028 | 0.0202 | 0.3509 | 0.3604 | 97 |
| 2,2,4-Trimethylpentane | 0.6582 | 1.3164 | 3.2910 | 0.2195 | 9.5933 | 9.3440 | 103 |
| Methyl Methacrylate | 1.2679 | 2.5358 | 6.3396 | 0.4229 | 8.4232 | 8.1898 | 103 |
| Heptane | 0.5954 | 1.1909 | 2.9772 | 0.1986 | 8.4810 | 8.1971 | 103 |
| Bromodichloromethane | 0.0635 | 0.1271 | 0.3176 | 0.0212 | 0.1407 | 0.1340 | 105 |
| Trichloroethene | 0.0509 | 0.1018 | 0.2545 | 0.0170 | 0.1162 | 0.1075 | 108 |
| cis-1,3-Dichloropropene | 0.1458 | 0.2916 | 0.7289 | 0.0486 | 0.4754 | 0.4539 | 105 |
| 4-Methyl-2-pentanone | 2.2119 | 4.4238 | 11.0595 | 0.7378 | 8.8418 | 8.1930 | 108 |
| trans-1,3-Dichloropropene | 0.1048 | 0.2095 | 0.5238 | 0.0349 | 0.4488 | 0.4539 | 99 |
| Toluene | 0.0945 | 0.1890 | 0.4726 | 0.0315 | 0.3792 | 0.3769 | 101 |
| 1,1,2-Trichloroethane | 0.0466 | 0.0933 | 0.2331 | 0.0156 | 0.1207 | 0.1091 | 111 |
| 2-Hexanone | 2.3092 | 4.6184 | 11.5459 | 0.7702 | 8.2883 | 8.1930 | 101 |
| Tetrachloroethene | 0.1822 | 0.3643 | 0.9109 | 0.0608 | 0.7028 | 0.6782 | 104 |
| Dibromochloromethane | 0.0759 | 0.1519 | 0.3796 | 0.0253 | 0.1757 | 0.1704 | 103 |
| 1,2-Dibromoethane (EDB) | 0.0583 | 0.1166 | 0.2916 | 0.0195 | 0.1700 | 0.1537 | 111 |
| Chlorobenzene | 0.1096 | 0.2192 | 0.5481 | 0.0366 | 0.4776 | 0.4604 | 104 |
| Ethylbenzene | 0.0462 | 0.0923 | 0.2308 | 0.0154 | 0.3865 | 0.4342 | 89 |
| 1,1,2,2-Tetrachloroethane | 0.0600 | 0.1200 | 0.3000 | 0.0200 | 0.1459 | 0.1373 | 106 |
| Nonane | 0.7575 | 1.5150 | 3.7875 | 0.2527 | 10.3474 | 10.4916 | 99 |
| Isopropylbenzene | 2.0458 | 4.0916 | 10.2290 | 0.6824 | 10.7483 | 9.8315 | 109 |
| 2-Chlorotoluene | 1.1881 | 2.3763 | 5.9406 | 0.3963 | 11.2397 | 10.3550 | 109 |
| Propylbenzene | 0.9155 | 1.8311 | 4.5777 | 0.3054 | 10.6727 | 9.8315 | 109 |
| 4-Ethyltoluene | 1.7847 | 3.5694 | 8.9235 | 0.5953 | 10.0724 | 9.8315 | 102 |
| m,p-Xylene | 0.1363 | 0.2726 | 0.6816 | 0.0455 | 0.7588 | 0.8685 | 87 |
| o-Xylene | 0.0576 | 0.1151 | 0.2878 | 0.0192 | 0.3772 | 0.4342 | 87 |
| Styrene | 0.2847 | 0.5693 | 1.4233 | 0.0950 | 0.4473 | 0.4260 | 105 |
| Bromoform | 0.6521 | 1.3042 | 3.2604 | 0.2175 | 1.0724 | 1.0337 | 104 |
| Benzyl chloride | 0.0319 | 0.0637 | 0.1593 | 0.0106 | 0.0919 | 0.1035 | 89 |
| 1,3,5-Trimethylbenzene | 0.3462 | 0.6923 | 1.7308 | 0.1155 | 10.4583 | 9.8315 | 106 |
| 1,2,4-Trimethylbenzene | 1.6437 | 3.2874 | 8.2185 | 0.5483 | 10.1695 | 9.8315 | 103 |
| 1,3-Dichlorobenzene | 0.2188 | 0.4376 | 1.0940 | 0.0730 | 0.5186 | 0.6012 | 86 |
| 1,4-Dichlorobenzene | 0.1458 | 0.2916 | 0.7289 | 0.0486 | 0.5148 | 0.6012 | 86 |
| 1,2-Dichlorobenzene | 0.1701 | 0.3402 | 0.8506 | 0.0567 | 0.5396 | 0.6012 | 90 |
| 1,2,4-Trichlorobenzene | 0.5348 | 1.0695 | 2.6738 | 0.1784 | 0.8952 | 0.7421 | 121 |
| Naphthalene | 0.0177 | 0.0354 | 0.0885 | 0.0059 | 0.0845 | 0.1048 | 81 |
| Hexachlorobutadiene | 0.0916 | 0.1833 | 0.4582 | 0.0306 | 0.2426 | 0.2133 | 114 |

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: TO-15
 Matrix: Air
 Instrument ID: GCMS #7
 Reporting Units: ppbv

Standard(s) spiked:
 Volume spiked:
 Date(s) Extracted: 5/31/2022; 6/1/2022; 8/31/2022; 9/1/2022; 1/30/2023; 2/1/2023; 2/2/2023; 2/3/2023 04/10/23, 04/11/23, 04/12/23
 Date(s) Analyzed: 6/2/2022; 6/3/2022; 9/1/2022; 9/2/2022; 1/31/2023; 2/2/2023; 2/3/2023; 2/4/2023 04/10/23, 04/11/23, 04/12/23
 Date Calculated: 6/8/2022; 6/8/2022; 9/8/2022; 1/31/2023; 2/2/2023; 2/9/2023; 3/2/2023 04/12/23, 04/12/23, 04/13/23
 Calculation Analyst: BAT; JLM

| Analyte | (StdDev*2.998) MDL | (2*MDL) PQL | (5*MDL) PQL | Std Dev | Mean | Spike Level | % Rec. |
|----------------------------|-----------------------|----------------|----------------|------------|--------|----------------|-----------|
| Propene | 0.1157 | 0.2315 | 0.5787 | 0.0386 | 0.0995 | 0.1000 | 100 |
| Dichlorodifluoromethane | 0.0284 | 0.0567 | 0.1418 | 0.0095 | 0.0945 | 0.1000 | 95 |
| Chloromethane | 0.0349 | 0.0698 | 0.1744 | 0.0116 | 0.1070 | 0.1000 | 107 |
| F-114 | 0.0460 | 0.0919 | 0.2299 | 0.0153 | 0.0996 | 0.1000 | 100 |
| Vinyl chloride | 0.0045 | 0.0091 | 0.0227 | 0.0015 | 0.0215 | 0.0200 | 108 |
| 1,3-Butadiene | 0.0108 | 0.0217 | 0.0542 | 0.0036 | 0.0213 | 0.0200 | 106 |
| Butane | 0.2005 | 0.4010 | 1.0026 | 0.0669 | 2.1775 | 2.0000 | 109 |
| Bromomethane | 0.3279 | 0.6558 | 1.6396 | 0.1094 | 2.2835 | 2.0000 | 114 |
| Chloroethane | 0.0143 | 0.0287 | 0.0717 | 0.0048 | 0.0955 | 0.1000 | 96 |
| Vinyl Bromide | 0.0078 | 0.0157 | 0.0392 | 0.0026 | 0.0916 | 0.1000 | 92 |
| Ethanol | 0.6921 | 1.3843 | 3.4607 | 0.2309 | 1.9665 | 2.0000 | 98 |
| Acrolein | 0.0441 | 0.0882 | 0.2204 | 0.0147 | 0.0516 | 0.0500 | 103 |
| Pentane | 0.3760 | 0.7521 | 1.8802 | 0.1254 | 2.0880 | 2.0000 | 104 |
| Trichlorofluoromethane | 0.0368 | 0.0736 | 0.1841 | 0.0123 | 0.0886 | 0.1000 | 89 |
| Acetone | 0.5594 | 1.1189 | 2.7971 | 0.1866 | 2.1768 | 2.0000 | 109 |
| 2-Propanol | 0.2888 | 0.5776 | 1.4440 | 0.0963 | 2.0034 | 2.0000 | 100 |
| 1,1-Dichloroethene | 0.0112 | 0.0224 | 0.0561 | 0.0037 | 0.0216 | 0.0200 | 108 |
| trans-1,2-Dichloroethene | 0.0130 | 0.0259 | 0.0648 | 0.0043 | 0.0231 | 0.0200 | 116 |
| Methylene chloride | 0.3613 | 0.7225 | 1.8063 | 0.1205 | 2.1156 | 2.0000 | 106 |
| t-Butyl alcohol (TBA) | 0.1077 | 0.2154 | 0.5385 | 0.0359 | 2.0876 | 2.0000 | 104 |
| 3-Chloropropene | 0.2122 | 0.4244 | 1.0610 | 0.0708 | 2.0583 | 2.0000 | 103 |
| CFC-113 | 0.0370 | 0.0739 | 0.1848 | 0.0123 | 0.1068 | 0.1000 | 107 |
| Carbon disulfide | 0.3080 | 0.6161 | 1.5402 | 0.1027 | 2.1669 | 2.0000 | 108 |
| Methyl t-butyl ether (...) | 0.1928 | 0.3856 | 0.9641 | 0.0643 | 2.0803 | 2.0000 | 104 |
| Vinyl acetate | 0.2586 | 0.5172 | 1.2931 | 0.0863 | 2.0273 | 2.0000 | 101 |
| 1,1-Dichloroethane | 0.0060 | 0.0120 | 0.0300 | 0.0020 | 0.0215 | 0.0200 | 108 |
| cis-1,2-Dichloroethene | 0.0051 | 0.0101 | 0.0253 | 0.0017 | 0.0216 | 0.0200 | 108 |
| Hexane | 0.2615 | 0.5230 | 1.3076 | 0.0872 | 2.0308 | 2.0000 | 102 |
| Chloroform | 0.0077 | 0.0153 | 0.0384 | 0.0026 | 0.0206 | 0.0200 | 103 |
| Ethyl acetate | 0.3537 | 0.7074 | 1.7686 | 0.1180 | 2.0188 | 2.0000 | 101 |
| Tetrahydrofuran | 0.0507 | 0.1015 | 0.2537 | 0.0169 | 0.0941 | 0.1000 | 94 |
| 2-Butanone (MEK) | 0.3608 | 0.7217 | 1.8042 | 0.1204 | 2.2254 | 2.0000 | 111 |
| 1,2-Dichloroethane (EDC) | 0.0060 | 0.0120 | 0.0300 | 0.0020 | 0.0200 | 0.0200 | 100 |
| 1,1,1-Trichloroethane | 0.0078 | 0.0156 | 0.0390 | 0.0026 | 0.0218 | 0.0200 | 109 |
| Carbon tetrachloride | 0.0064 | 0.0128 | 0.0320 | 0.0021 | 0.0215 | 0.0200 | 108 |
| Benzene | 0.0120 | 0.0239 | 0.0598 | 0.0040 | 0.0268 | 0.0200 | 134 |
| Cyclohexane | 0.2208 | 0.4417 | 1.1042 | 0.0737 | 2.0836 | 2.0000 | 104 |
| 1,2-Dichloropropane | 0.0187 | 0.0373 | 0.0934 | 0.0062 | 0.0978 | 0.1000 | 98 |
| 1,4-Dioxane | 0.0168 | 0.0336 | 0.0840 | 0.0056 | 0.0974 | 0.1000 | 97 |
| 2,2,4-Trimethylpentane | 0.1409 | 0.2818 | 0.7044 | 0.0470 | 2.0534 | 2.0000 | 103 |
| Methyl Methacrylate | 0.3096 | 0.6193 | 1.5482 | 0.1033 | 2.0570 | 2.0000 | 103 |
| Heptane | 0.1453 | 0.2906 | 0.7264 | 0.0485 | 2.0693 | 2.0000 | 103 |
| Bromodichloromethane | 0.0095 | 0.0190 | 0.0474 | 0.0032 | 0.0210 | 0.0200 | 105 |
| Trichloroethene | 0.0095 | 0.0189 | 0.0474 | 0.0032 | 0.0216 | 0.0200 | 108 |
| cis-1,3-Dichloropropene | 0.0321 | 0.0642 | 0.1606 | 0.0107 | 0.1048 | 0.1000 | 105 |
| 4-Methyl-2-pentanone | 0.5399 | 1.0799 | 2.6997 | 0.1801 | 2.1584 | 2.0000 | 108 |
| trans-1,3-Dichloropropene | 0.0231 | 0.0462 | 0.1154 | 0.0077 | 0.0989 | 0.1000 | 99 |
| Toluene | 0.0251 | 0.0502 | 0.1254 | 0.0084 | 0.1006 | 0.1000 | 101 |
| 1,1,2-Trichloroethane | 0.0085 | 0.0171 | 0.0427 | 0.0029 | 0.0221 | 0.0200 | 111 |
| 2-Hexanone | 0.5637 | 1.1274 | 2.8185 | 0.1880 | 2.0233 | 2.0000 | 101 |
| Tetrachloroethene | 0.0269 | 0.0537 | 0.1343 | 0.0090 | 0.1036 | 0.1000 | 104 |
| Dibromochloromethane | 0.0089 | 0.0178 | 0.0446 | 0.0030 | 0.0206 | 0.0200 | 103 |
| 1,2-Dibromoethane (EDB) | 0.0076 | 0.0152 | 0.0380 | 0.0025 | 0.0221 | 0.0200 | 111 |
| Chlorobenzene | 0.0238 | 0.0476 | 0.1190 | 0.0079 | 0.1038 | 0.1000 | 104 |
| Ethylbenzene | 0.0106 | 0.0213 | 0.0531 | 0.0035 | 0.0890 | 0.1000 | 89 |
| 1,1,2,2-Tetrachloroethane | 0.0087 | 0.0175 | 0.0437 | 0.0029 | 0.0213 | 0.0200 | 106 |
| Nonane | 0.1444 | 0.2888 | 0.7220 | 0.0482 | 1.9725 | 2.0000 | 99 |
| Isopropylbenzene | 0.4162 | 0.8323 | 2.0809 | 0.1388 | 2.1865 | 2.0000 | 109 |
| 2-Chlorotoluene | 0.2295 | 0.4590 | 1.1474 | 0.0765 | 2.1709 | 2.0000 | 109 |
| Propylbenzene | 0.1862 | 0.3725 | 0.9312 | 0.0621 | 2.1711 | 2.0000 | 109 |
| 4-Ethyltoluene | 0.3631 | 0.7261 | 1.8153 | 0.1211 | 2.0490 | 2.0000 | 102 |
| m,p-Xylene | 0.0314 | 0.0628 | 0.1570 | 0.0105 | 0.1748 | 0.2000 | 87 |
| o-Xylene | 0.0133 | 0.0265 | 0.0663 | 0.0044 | 0.0869 | 0.1000 | 87 |
| Styrene | 0.0668 | 0.1337 | 0.3341 | 0.0223 | 0.1050 | 0.1000 | 105 |
| Bromoform | 0.0631 | 0.1262 | 0.3154 | 0.0210 | 0.1038 | 0.1000 | 104 |
| Benzyl chloride | 0.0062 | 0.0123 | 0.0308 | 0.0021 | 0.0178 | 0.0200 | 89 |
| 1,3,5-Trimethylbenzene | 0.0704 | 0.1408 | 0.3521 | 0.0235 | 2.1275 | 2.0000 | 106 |
| 1,2,4-Trimethylbenzene | 0.3344 | 0.6687 | 1.6719 | 0.1115 | 2.0688 | 2.0000 | 103 |
| 1,3-Dichlorobenzene | 0.0364 | 0.0728 | 0.1820 | 0.0121 | 0.0863 | 0.1000 | 86 |
| 1,4-Dichlorobenzene | 0.0242 | 0.0485 | 0.1212 | 0.0081 | 0.0856 | 0.1000 | 86 |
| 1,2-Dichlorobenzene | 0.0283 | 0.0566 | 0.1415 | 0.0094 | 0.0898 | 0.1000 | 90 |
| 1,2,4-Trichlorobenzene | 0.0721 | 0.1441 | 0.3603 | 0.0240 | 0.1206 | 0.1000 | 121 |
| Naphthalene | 0.0034 | 0.0068 | 0.0169 | 0.0011 | 0.0161 | 0.0200 | 81 |
| Hexachlorobutadiene | 0.0086 | 0.0172 | 0.0430 | 0.0029 | 0.0228 | 0.0200 | 114 |

EPA TO-15
Sequence Tables

Sequence Name: D:\GCMS7\GCMS7_Data\06-01-23.s

Comment:

Operator: bat

Data Path: D:\GCMS7\GCMS7_DATA\06-01-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
(X) Full Method (X) Inject Anyway
() Reprocessing Only () Don't Inject

| Line | Sample Name/Misc Info |
|------------|---|
| 1) Sample | 1 060101 TO15DC bake rinse |
| 2) Sample | 2 060102 TO15DC 0.02 std check |
| 3) Sample | 3 060103 TO15DC bake rinse |
| 4) Sample | 4 060104 TO15DC rinse |
| 5) Sample | 5 060105 TO15DC BFB 69-61a |
| 6) Sample | 6 060106 TO15DC 25 ppbv std prime |
| 7) Sample | 7 060107 TO15DC 25 ppbv scv prime |
| 8) Sample | 8 060108 TO15DC 1.0 ppbv std prime |
| 9) Sample | 9 060109 TO15DC 0.1 ppbv std prime |
| 10) Sample | 10 060110 TO15DC 0.05 ppbv std prime |
| 11) Sample | 11 060111 TO15DC 0.02 ppbv std prime |
| 12) Sample | 12 060112 SRINSE rinse, short |
| 13) Sample | 13 060113 SRINSE rinse, short |
| 14) Sample | 14 060114 SRINSE rinse, short |
| 15) Sample | 15 060115 TO15DC rinse |
| 16) Sample | 16 060116 TO15DC rinse |
| 17) Sample | 17 060117 TO15DC rinse |
| 18) Sample | 18 060118 TO15DC 0.01 ppbv TO15 69-62-f |
| 19) Sample | 19 060119 TO15DC 0.01 ppbv TO15 69-62-f |
| 20) Sample | 20 060120 TO15DC 0.02 ppbv TO15 69-62-f |
| 21) Sample | 21 060121 TO15DC 0.05 ppbv TO15 69-62-d |
| 22) Sample | 22 060122 TO15DC 0.1 ppbv TO15 69-62-c |
| 23) Sample | 23 060123 TO15DC 0.2 ppbv TO15 69-62-b |
| 24) Sample | 24 060124 TO15DC 0.5 ppbv TO15 69-62-b |
| 25) Sample | 25 060125 TO15DC 1.0 ppbv TO15 69-62-b |
| 26) Sample | 26 060126 TO15DC 2.5 ppbv TO15 69-62-a |
| 27) Sample | 27 060127 TO15DC 4.0 ppbv TO15 69-62-a |
| 28) Sample | 28 060128 TO15DC 5.0 ppbv TO15 69-62-a |
| 29) Sample | 29 060129 TO15DC 8.0 ppbv TO15 69-62-a |
| 30) Sample | 30 060130 TO15DC 10 ppbv TO15 69-62-a |
| 31) Sample | 31 060131 TO15DC 15 ppbv TO15 69-62-a |
| 32) Sample | 32 060132 TO15DC rinse |
| 33) Sample | 33 060133 TO15DC rinse |
| 34) Sample | 34 060134 TO15DC 2.5 ppbv TO15 SCV 69-41 -a |
| 35) Sample | 35 060135 TO15DC rinse |

Injection Log

Data Directory: D:\Proc_GCMS7\06-01-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|--------------------------------------|-------------------|------|------------|---------------------|
| 1) 060135.D No data found | TO15DC.M | | 0.000 | N/A |
| 2) 060101.D bake rinse | T1 TO15DC.M | 1 | 1.000 | 1 Jun 2023 12:41 pm |
| 3) 060102.D 0.02 std check | T2 TO15DC.M | 2 | 1.000 | 1 Jun 2023 1:23 pm |
| 4) 060103.D bake rinse | T1 TO15DC.M | 3 | 1.000 | 1 Jun 2023 2:03 pm |
| 5) 060104.D rinse | T1 TO15DC.M | 4 | 1.000 | 1 Jun 2023 2:45 pm |
| 6) 060105.D BFB 69-61a | T1 TO15DC.M | 5 | 1.000 | 1 Jun 2023 3:19 pm |
| 7) 060106.D 25 ppbv std prime | Cal line TO15DC.M | 6 | 1.000 | 1 Jun 2023 3:54 pm |
| 8) 060107.D 25 ppbv scv prime | T6 TO15DC.M | 7 | 1.000 | 1 Jun 2023 4:28 pm |
| 9) 060108.D 1.0 ppbv std prime | T5 TO15DC.M | 8 | 1.000 | 1 Jun 2023 5:06 pm |
| 10) 060109.D 0.1 ppbv std prime | T4 TO15DC.M | 9 | 1.000 | 1 Jun 2023 5:44 pm |
| 11) 060110.D 0.05 ppbv std prime | T3 TO15DC.M | 10 | 1.000 | 1 Jun 2023 6:22 pm |
| 12) 060111.D 0.02 ppbv std prime | T2 TO15DC.M | 11 | 1.000 | 1 Jun 2023 7:00 pm |
| 13) 060112.D rinse, short | T1 SRINSE.M | 12 | 1.000 | 1 Jun 2023 7:38 pm |
| 14) 060113.D rinse, short | T1 SRINSE.M | 13 | 1.000 | 1 Jun 2023 8:15 pm |
| 15) 060114.D rinse, short | T1 SRINSE.M | 14 | 1.000 | 1 Jun 2023 8:52 pm |
| 16) 060115.D rinse | T1 TO15DC.M | 15 | 1.000 | 1 Jun 2023 9:34 pm |
| 17) 060116.D rinse | T1 TO15DC.M | 16 | 1.000 | 1 Jun 2023 10:18 pm |
| 18) 060117.D rinse | T1 TO15DC.M | 17 | 1.000 | 1 Jun 2023 11:02 pm |
| 19) 060118.D 0.01 ppbv TO15 69-.. | T2 TO15DC.M | 18 | 1.000 | 1 Jun 2023 11:40 pm |
| 20) 060119.D 0.01 ppbv TO15 69-.. | T2 TO15DC.M | 19 | 1.000 | 2 Jun 2023 12:18 am |
| 21) 060120.D | TO15DC.M | | | |

| | | | | | |
|-------------------------------|----------|----|-------|------------|----------|
| 0.02 ppbv TO15 69-.. T2 | | 20 | 1.000 | 2 Jun 2023 | 1:02 am |
| 22) 060121.D | TO15DC.M | | | | |
| 0.05 ppbv TO15 69-.. T3 | | 21 | 1.000 | 2 Jun 2023 | 1:46 am |
| 23) 060122.D | TO15DC.M | | | | |
| 0.1 ppbv TO15 69-6.. T4 | | 22 | 1.000 | 2 Jun 2023 | 2:31 am |
| 24) 060123.D | TO15DC.M | | | | |
| 0.2 ppbv TO15 69-6.. T5 | | 23 | 1.000 | 2 Jun 2023 | 3:05 am |
| 25) 060124.D | TO15DC.M | | | | |
| 0.5 ppbv TO15 69-6.. T5 | | 24 | 1.000 | 2 Jun 2023 | 3:43 am |
| 26) 060125.D | TO15DC.M | | | | |
| 1.0 ppbv TO15 69-6.. T5 | | 25 | 1.000 | 2 Jun 2023 | 4:27 am |
| 27) 060126.D | TO15DC.M | | | | |
| 2.5 ppbv TO15 69-6.. cal line | | 26 | 1.000 | 2 Jun 2023 | 5:01 am |
| 28) 060127.D | TO15DC.M | | | | |
| 4.0 ppbv TO15 69-6.. cal line | | 27 | 1.000 | 2 Jun 2023 | 5:35 am |
| 29) 060128.D | TO15DC.M | | | | |
| 5.0 ppbv TO15 69-6.. cal line | | 28 | 1.000 | 2 Jun 2023 | 6:09 am |
| 30) 060129.D | TO15DC.M | | | | |
| 8.0 ppbv TO15 69-6.. cal line | | 29 | 1.000 | 2 Jun 2023 | 6:45 am |
| 31) 060130.D | TO15DC.M | | | | |
| 10 ppbv TO15 69-62-a cal line | | 30 | 1.000 | 2 Jun 2023 | 7:21 am |
| 32) 060131.D | TO15DC.M | | | | |
| 15 ppbv TO15 69-62-a cal line | | 31 | 1.000 | 2 Jun 2023 | 8:01 am |
| 33) 060132.D | TO15DC.M | | | | |
| rinse | T1 | 32 | 1.000 | 2 Jun 2023 | 8:45 am |
| 34) 060133.D | TO15DC.M | | | | |
| rinse | T1 | 33 | 1.000 | 2 Jun 2023 | 9:29 am |
| 35) 060134.D | TO15DC.M | | | | |
| 2.5 ppbv TO15 SCV .. T6 | | 34 | 1.000 | 2 Jun 2023 | 10:03 am |

Sequence Name: D:\GCMS7\GCMS7_Data\06-16-23.s

Comment:

Operator: bat

Data Path: D:\GCMS7\GCMS7_DATA\06-16-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

2 6/19/27

| Line | Sample Name/Misc Info |
|------------|--|
| 1) Sample | 1 061601 TO15DC rinse |
| 2) Sample | 2 061602 TO15DC rinse |
| 3) Sample | 3 061603 TO15DC BFB 69-114a |
| 4) Sample | 4 061604 TO15DC 03-1448 lcs/ 2.5 ppbv 96-62a |
| 5) Sample | 5 061605 TO15DC 5 ppbv APH 69-88a |
| 6) Sample | 6 061606 TO15DC 03-1448 lcs/ 67 ug/ml 69-59b |
| 7) Sample | 7 061607 SRINSE rinse, short |
| 8) Sample | 8 061608 SRINSE rinse, short |
| 9) Sample | 9 061609 TO15DC rinse |
| 10) Sample | 10 061610 TO15DC rinse |
| 11) Sample | 11 061611 TO15DC rinse |
| 12) Sample | 12 061612 TO15DC 03-1448 MB |
| 13) Sample | 13 061613 TO15DC 306260-01 1/1.3 |
| 14) Sample | 14 061614 TO15DC 306260-02 |
| 15) Sample | 15 061615 TO15DC rinse |
| 16) Sample | 16 061616 TO15DC 306242-02 1/5.2 |
| 17) Sample | 17 061617 TO15DC 306242-08 1/5.2 |
| 18) Sample | 18 061618 TO15DC 306242-05 1/5.1 |
| 19) Sample | 19 061619 TO15DC rinse |
| 20) Sample | 20 061620 TO15DC 306244-01 dup 1/5.5 |
| 21) Sample | 21 061621 TO15DC 306244-01 1/5.5 |
| 22) Sample | 22 061622 TO15DC 306244-03 1/5.5 |
| 23) Sample | 23 061623 TO15DC rinse |
| 24) Sample | 24 061624 TO15DC 306188-01 1/8.1 |
| 25) Sample | 25 061625 TO15DC 306188-02 1/16 |
| 26) Sample | 26 061626 TO15DC 306188-03 1/16 |
| 27) Sample | 27 061627 TO15DC 306188-04 1/17 |
| 28) Sample | 28 061628 TO15DC 306188-05 1/16 |
| 29) Sample | 29 061629 TO15DC rinse |
| 30) Sample | 30 061630 TO15DC rinse |
| 31) Sample | 31 061631 TO15DC 38349 |
| 32) Sample | 32 061632 TO15DC 37203 |
| 33) Sample | 33 061633 TO15DC 20557 |
| 34) Sample | 34 061634 TO15DC 40707 |
| 35) Sample | 35 061635 TO15DC rinse |

Injection Log

Data Directory: V:\Proc_GCMS7\06-16-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|--|--------------------|------|------------|----------------------|
| 1) 061601.D rinse | TO15DC.M T1 | 1 | 1.000 | 16 Jun 2023 9:29 am |
| 2) 061602.D rinse | TO15DC.M T1 | 2 | 1.000 | 16 Jun 2023 10:03 am |
| 3) 061603.D BFB 69-114a | TO15DC.M T1 | 3 | 1.000 | 16 Jun 2023 10:38 am |
| 4) 061604.D 03-1448 lcs/ 2.5 p.. Cal line | TO15DC.M | 4 | 1.000 | 16 Jun 2023 11:12 am |
| 5) 061605.D 5 ppbv APH 69-88a line 2 | TO15DC.M line 2 | 5 | 1.000 | 16 Jun 2023 11:47 am |
| 6) 061606.D 03-1448 lcs/ 67 ug.. line 3 | TO15DC.M line 3 | 6 | 1.000 | 16 Jun 2023 12:26 pm |
| 7) 061607.D rinse, short | SRINSE.M T1 | 7 | 1.000 | 16 Jun 2023 1:05 pm |
| 8) 061608.D rinse, short | SRINSE.M T1 | 8 | 1.000 | 16 Jun 2023 1:41 pm |
| 9) 061609.D rinse | TO15DC.M T1 | 9 | 1.000 | 16 Jun 2023 2:23 pm |
| 10) 061610.D rinse | TO15DC.M T1 | 10 | 1.000 | 16 Jun 2023 3:08 pm |
| 11) 061611.D rinse | TO15DC.M T1 | 11 | 1.000 | 16 Jun 2023 3:52 pm |
| 12) 061612.D 03-1448 MB | TO15DC.M T1 | 12 | 1.000 | 16 Jun 2023 4:36 pm |
| 13) 061613.D 306260-01 1/1.3 | TO15DC.M T2 | 13 | 1.000 | 16 Jun 2023 5:20 pm |
| 14) 061614.D 306260-02 | TO15DC.M T3 | 14 | 1.000 | 16 Jun 2023 6:27 pm |
| 15) 061615.D rinse | TO15DC.M T1 | 15 | 1.000 | 16 Jun 2023 7:11 pm |
| 16) 061616.D 306242-02 1/5.2 | TO15DC.M T4 | 16 | 1.000 | 16 Jun 2023 7:47 pm |
| 17) 061617.D 306242-08 1/5.2 | TO15DC.M T5 | 17 | 1.000 | 16 Jun 2023 8:22 pm |
| 18) 061618.D 306242-05 1/5.1 | TO15DC.M T6 | 18 | 1.000 | 16 Jun 2023 8:58 pm |
| 19) 061619.D rinse | TO15DC.M T1 | 19 | 1.000 | 16 Jun 2023 9:42 pm |
| 20) 061620.D 306244-01 dup 1/5.5 | TO15DC.M T7 | 20 | 1.000 | 16 Jun 2023 10:18 pm |
| 21) 061621.D | TO15DC.M | | | |

| | | | | | | | |
|-----------|----------|-----|----------|----|-------|-------------|----------|
| 306244-01 | 1/5.5 | T7 | | 21 | 1.000 | 16 Jun 2023 | 10:53 pm |
| 22) | 061622.D | | TO15DC.M | | | | |
| 306244-03 | 1/5.5 | T8 | | 22 | 1.000 | 16 Jun 2023 | 11:28 pm |
| 23) | 061623.D | | TO15DC.M | | | | |
| rinse | | T1 | | 23 | 1.000 | 17 Jun 2023 | 12:13 am |
| 24) | 061624.D | | TO15DC.M | | | | |
| 306188-01 | 1/8.1 | T9 | | 24 | 1.000 | 17 Jun 2023 | 12:47 am |
| 25) | 061625.D | | TO15DC.M | | | | |
| 306188-02 | 1/16 | T10 | | 25 | 1.000 | 17 Jun 2023 | 1:21 am |
| 26) | 061626.D | | TO15DC.M | | | | |
| 306188-03 | 1/16 | T11 | | 26 | 1.000 | 17 Jun 2023 | 1:56 am |
| 27) | 061627.D | | TO15DC.M | | | | |
| 306188-04 | 1/17 | T12 | | 27 | 1.000 | 17 Jun 2023 | 2:30 am |
| 28) | 061628.D | | TO15DC.M | | | | |
| 306188-05 | 1/16 | T13 | | 28 | 1.000 | 17 Jun 2023 | 3:04 am |
| 29) | 061629.D | | TO15DC.M | | | | |
| rinse | | T1 | | 29 | 1.000 | 17 Jun 2023 | 3:49 am |
| 30) | 061630.D | | TO15DC.M | | | | |
| rinse | | T1 | | 30 | 1.000 | 17 Jun 2023 | 4:33 am |
| 31) | 061631.D | | TO15DC.M | | | | |
| 38349 | | T14 | | 31 | 1.000 | 17 Jun 2023 | 5:17 am |
| 32) | 061632.D | | TO15DC.M | | | | |
| 37203 | | T5 | | 32 | 1.000 | 17 Jun 2023 | 6:01 am |
| 33) | 061633.D | | TO15DC.M | | | | |
| 20557 | | T6 | | 33 | 1.000 | 17 Jun 2023 | 6:45 am |
| 34) | 061634.D | | TO15DC.M | | | | |
| 40707 | | s4 | | 34 | 1.000 | 17 Jun 2023 | 7:30 am |
| 35) | 061635.D | | TO15DC.M | | | | |
| rinse | | T1 | | 35 | 1.000 | 17 Jun 2023 | 8:14 am |

W
6/17/21

By
6/17/23

Sequence Name: D:\GCMS7\GCMS7_Data\06-20-23.s

Comment:

Operator: bat

Data Path: D:\GCMS7\GCMS7_DATA\06-20-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

MD 6/21/23

| Line | Sample Name/Misc Info |
|------------|---|
| 1) Sample | 1 062001 TO15DC rinse |
| 2) Sample | 2 062002 TO15DC rinse |
| 3) Sample | 3 062003 TO15DC BFB 69-114a |
| 4) Sample | 4 062004 TO15DC 03-1454 lcs/ 2.5 ppbv 96-62a |
| 5) Sample | 5 062005 TO15DC 5 ppbv APH 69-107a |
| 6) Sample | 6 062006 TO15DC 03-1454 lcs/ 67 ug/ml 69-117b |
| 7) Sample | 7 062007 SRINSE rinse, short |
| 8) Sample | 8 062008 SRINSE rinse, short |
| 9) Sample | 9 062009 SRINSE rinse, short |
| 10) Sample | 10 062010 TO15DC rinse |
| 11) Sample | 11 062011 TO15DC rinse |
| 12) Sample | 12 062012 TO15DC 03-1454 MB |
| 13) Sample | 13 062013 TO15DC 306187-13 1/1.2 |
| 14) Sample | 14 062014 TO15DC rinse |
| 15) Sample | 15 062015 TO15DC 306242-03 |
| 16) Sample | 16 062016 TO15DC 306242-01 |
| 17) Sample | 17 062017 TO15DC 306242-06 |
| 18) Sample | 18 062018 TO15DC 306242-07 |
| 19) Sample | 19 062019 TO15DC 306242-04 |
| 20) Sample | 20 062020 TO15DC 306242-04 dup |
| 21) Sample | 21 062021 TO15DC rinse |
| 22) Sample | 22 062022 TO15DC rinse |
| 23) Sample | 23 062023 TO15DC rinse |
| 24) Sample | 24 062024 TO15DC 8211 |
| 25) Sample | 25 062025 TO15DC 35333 |
| 26) Sample | 26 062026 TO15DC 35335 |
| 27) Sample | 27 062027 TO15DC 37235 |

Injection Log

Data Directory: V:\Proc_GCMS7\06-20-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|--|-------------|------|------------|----------------------|
| 1) 062027.D No data found | TO15DC.M | | 0.000 | N/A |
| 2) 062001.D rinse | T1 TO15DC.M | 1 | 1.000 | 20 Jun 2023 12:53 pm |
| 3) 062002.D rinse | T1 TO15DC.M | 2 | 1.000 | 20 Jun 2023 1:35 pm |
| 4) 062003.D BFB 69-114a | T1 TO15DC.M | 3 | 1.000 | 20 Jun 2023 2:10 pm |
| 5) 062004.D 03-1454 lcs/ 2.5 p.. Cal line | T1 TO15DC.M | 4 | 1.000 | 20 Jun 2023 2:44 pm |
| 6) 062005.D 5 ppbv APH 69-107a line 2 | T1 TO15DC.M | 5 | 1.000 | 20 Jun 2023 3:18 pm |
| 7) 062006.D 03-1454 lcs/ 67 ug.. line 3 | T1 TO15DC.M | 6 | 1.000 | 20 Jun 2023 3:57 pm |
| 8) 062007.D rinse, short | T1 SRINSE.M | 7 | 1.000 | 20 Jun 2023 4:36 pm |
| 9) 062008.D rinse, short | T1 SRINSE.M | 8 | 1.000 | 20 Jun 2023 5:12 pm |
| 10) 062009.D rinse, short | T1 SRINSE.M | 9 | 1.000 | 20 Jun 2023 5:49 pm |
| 11) 062010.D rinse | T1 TO15DC.M | 10 | 1.000 | 20 Jun 2023 6:31 pm |
| 12) 062011.D rinse | T1 TO15DC.M | 11 | 1.000 | 20 Jun 2023 7:15 pm |
| 13) 062012.D 03-1454 MB | T1 TO15DC.M | 12 | 1.000 | 20 Jun 2023 7:59 pm |
| 14) 062013.D 306187-13 1/1.2 | T2 TO15DC.M | 13 | 1.000 | 20 Jun 2023 8:46 pm |
| 15) 062014.D rinse | T1 TO15DC.M | 14 | 1.000 | 20 Jun 2023 9:30 pm |
| 16) 062015.D 306242-03 | T3 TO15DC.M | 15 | 1.000 | 20 Jun 2023 10:16 pm |
| 17) 062016.D 306242-01 | T4 TO15DC.M | 16 | 1.000 | 20 Jun 2023 11:04 pm |
| 18) 062017.D 306242-06 | T5 TO15DC.M | 17 | 1.000 | 20 Jun 2023 11:53 pm |
| 19) 062018.D 306242-07 | T6 TO15DC.M | 18 | 1.000 | 21 Jun 2023 12:43 am |
| 20) 062019.D 306242-04 | T7 TO15DC.M | 19 | 1.000 | 21 Jun 2023 1:33 am |
| 21) 062020.D | TO15DC.M | | | |

| | | | | | | |
|-----------------------|-----|----------|----|-------|-------------|---------|
| 306242-04 dup | T7 | | 20 | 1.000 | 21 Jun 2023 | 2:25 am |
| 22) 062021.D rinse | T1 | TO15DC.M | 21 | 1.000 | 21 Jun 2023 | 3:02 am |
| 23) 062022.D rinse | T1 | TO15DC.M | 22 | 1.000 | 21 Jun 2023 | 3:39 am |
| 24) 062023.D rinse | T1 | TO15DC.M | 23 | 1.000 | 21 Jun 2023 | 4:23 am |
| 25) 062024.D 8211 | T8 | TO15DC.M | 24 | 1.000 | 21 Jun 2023 | 5:07 am |
| 26) 062025.D 35333 | T9 | TO15DC.M | 25 | 1.000 | 21 Jun 2023 | 5:51 am |
| 27) 062026.D 35335 | T10 | TO15DC.M | 26 | 1.000 | 21 Jun 2023 | 6:35 am |

Sequence Name: D:\GCMS7\GCMS7_Data\06-21-23.s

Comment:

Operator: bat

Data Path: D:\GCMS7\GCMS7_DATA\06-21-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
(X) Full Method (X) Inject Anyway
() Reprocessing Only () Don't Inject

MO 6/22/23

| Line | Sample Name/Misc Info |
|------------|---|
| 1) Sample | 1 062101 TO15DC rinse |
| 2) Sample | 2 062102 TO15DC rinse |
| 3) Sample | 3 062103 TO15DC BFB 69-114a |
| 4) Sample | 4 062104 TO15DC 03-1456 lcs/ 2.5 ppbv 69-119a |
| 5) Sample | 5 062105 TO15DC 5 ppbv APH 69-120a |
| 6) Sample | 6 062106 TO15DC 03-1456 lcs/ 2.5 ppbv 69-119a |
| 7) Sample | 7 062107 TO15DC 5 ppbv APH 69-107a |
| 8) Sample | 8 062108 TO15DC 03-1456 lcs/ 67 ug/ml 69-123b |
| 9) Sample | 9 062109 SRINSE rinse, short |
| 10) Sample | 10 062110 SRINSE rinse, short |
| 11) Sample | 12 062112 TO15DC rinse |
| 12) Sample | 13 062113 TO15DC rinse |
| 13) Sample | 14 062114 TO15DC 03-1456 MB |
| 14) Sample | 15 062115 TO15DC 4181 |
| 15) Sample | 16 062116 TO15DC 8537 |
| 16) Sample | 17 062117 TO15DC 3416 |
| 17) Sample | 18 062118 TO15DC 8529 |
| 18) Sample | 19 062119 TO15DC 9562 |
| 19) Sample | 20 062120 TO15DC 8346 |
| 20) Sample | 21 062121 TO15DC 20556 |
| 21) Sample | 22 062122 TO15DC 18565 |
| 22) Sample | 23 062123 TO15DC 35339 |
| 23) Sample | 24 062124 TO15DC 20550 |
| 24) Sample | 25 062125 TO15DC 37228 |
| 25) Sample | 26 062126 TO15DC 18569 |
| 26) Sample | 27 062127 TO15DC 20547 |
| 27) Sample | 28 062128 TO15DC 35337 |
| 28) Sample | 29 062129 TO15DC 18563 |
| 29) Sample | 30 062130 TO15DC rinse |

EPA TO-15 Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 7

Sequence Date: 06/01/23

Shift # 1

| Item | Initial | Date |
|--|---------|----------|
| Shift and Batch | | |
| Initial Calibration Analyzed, Evaluated and Passed | DM | 06/06/23 |
| 2 nd source passed | | |
| Analyte retention time checked | | |
| Tune passed | | |
| Non-Conformance Report filled out (if needed) | | |

Notes: 1, 3 BUTADIENE LOW POINT 0.06 ppb - "" REQUIRED.

Attach this sheet to raw data package.

YA 06/06/23
Supervisor Initials and Date

**TO-15/TO-17
Daily Checklist**

Instrument: GC/MS 7

Sequence Date: 6/16/27

Shift # 1

| Item | Initial | Date |
|--|---------|---------|
| Shift and Batch | | |
| All samples analyzed within 24 hour shift | ✓ RT | 6/19/27 |
| Internal Standards within limits 60%-140% of the CCV | ✓ | |
| Surrogate recoveries within limits (TO-15 only) | ✓ | |
| Laboratory control sample (LCS) recoveries within limits | ✓ | |
| Tune Analyzed and Passed | ✓ | |
| Continuing Calibration Analyzed, Evaluated and Passed | ✓ | |
| Non-Conformance Report filled out (if needed) | NSA | |

Notes: ethanol high in cv/ics

Attach this sheet to raw data package.

YA 06/23/23
Supervisor Initials and Date

TO-15/TO-17 Daily Checklist

Instrument: GC/MS 7

Sequence Date: 6/20/23

Shift # 1

| Item | Initial | Date |
|--|---------|---------|
| Shift and Batch | | |
| All samples analyzed within 24 hour shift | ✓ MD | 6/21/23 |
| Internal Standards within limits 60%-140% of the CCV | ✓ MD | |
| Surrogate recoveries within limits (TO-15 only) | ✓ MD | |
| Laboratory control sample (LCS) recoveries within limits | ✓ MD | |
| Tune Analyzed and Passed | ✓ MD | |
| Continuing Calibration Analyzed, Evaluated and Passed | ✓ MD | |
| Non-Conformance Report filled out (if needed) | NA | |

Notes: Napthalene ↓

Attach this sheet to raw data package.

YA 06/21/23
Supervisor Initials and Date

EPA TO-15
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : I:\Proc_GCMS7\06-01-23\060105.D

Tune Time : 1 Jun 2023 3:19 pm

Daily Calibration File : I:\Proc_GCMS7\06-01-23\060126.D

(BFB)

20453 87285 77219

| File | Sample | Surrogate Recovery % | Internal | Standard | Responses |
|----------|------------|----------------------|----------|----------|-----------|
| 060119.D | 0.01 ppbv | 100 | 23612 | 101289 | 85010 |
| 060120.D | 0.02 ppbv | 97 | 23953 | 102896 | 85614 |
| 060121.D | 0.05 ppbv | 95 | 23024 | 98261 | 82960 |
| 060122.D | 0.1 ppbv T | 95 | 22377 | 98782 | 83138 |
| 060123.D | 0.2 ppbv T | 100 | 21956 | 95351 | 80725 |
| 060124.D | 0.5 ppbv T | 97 | 22556 | 95381 | 82391 |
| 060125.D | 1.0 ppbv T | 99 | 22206 | 93785 | 79821 |
| 060126.D | 2.5 ppbv T | 101 | 20453 | 87285 | 77219 |
| 060127.D | 4.0 ppbv T | 99 | 20404 | 86156 | 78654 |
| 060128.D | 5.0 ppbv T | 104 | 21309 | 84905 | 76321 |
| 060129.D | 8.0 ppbv T | 106 | 20766 | 85523 | 75097 |
| 060130.D | 10 ppbv TO | 104 | 20901 | 85226 | 77247 |
| 060131.D | 15 ppbv TO | 104 | 21366 | 84519 | 78084 |
| 060134.D | 2.5 ppbv T | 103 | 21758 | 91830 | 80605 |

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

Created: Tue Jun 06 16:34:37 2023 GCMS7

GC/MS QA-QC Check Report

Tune File : V:\Proc_GCMS7\06-16-23\061603.D

Tune Time : 16 Jun 2023 10:38 am

Daily Calibration File : V:\Proc_GCMS7\06-16-23\061604.D

(BFB)

18984 70949 67257

| File | Sample | Surrogate Recovery % | Internal Standard Responses |
|------|--------|----------------------|-----------------------------|
|------|--------|----------------------|-----------------------------|

No Quant Results for V:\Proc_GCMS7\06-16-23\061609.D

| | | | | | |
|----------|------------|----|-------|-------|-------|
| 061610.D | rinse | 90 | 20329 | 74223 | 68535 |
| 061611.D | rinse | 90 | 20078 | 73169 | 69009 |
| 061612.D | 03-1448 MB | 89 | 20295 | 72992 | 69196 |
| 061613.D | 306260-01 | 91 | 20364 | 74656 | 67654 |
| 061614.D | 306260-02 | 93 | 17954 | 69777 | 64105 |
| 061615.D | rinse | 94 | 19042 | 70243 | 64452 |
| 061616.D | 306242-02 | 91 | 19887 | 69140 | 65902 |
| 061617.D | 306242-08 | 93 | 19319 | 72910 | 68170 |
| 061618.D | 306242-05 | 91 | 20421 | 72390 | 70056 |
| 061619.D | rinse | 89 | 20019 | 73818 | 68170 |
| 061620.D | 306244-01 | 91 | 19566 | 70296 | 68346 |
| 061621.D | 306244-01 | 90 | 19465 | 71817 | 67823 |
| 061622.D | 306244-03 | 90 | 19830 | 71419 | 68384 |
| 061623.D | rinse | 90 | 19272 | 74037 | 67198 |
| 061624.D | 306188-01 | 93 | 19554 | 72022 | 65158 |
| 061625.D | 306188-02 | 94 | 19514 | 69979 | 62811 |
| 061626.D | 306188-03 | 93 | 19009 | 70605 | 63407 |
| 061627.D | 306188-04 | 93 | 19432 | 69600 | 61950 |

| | | | | | |
|----------|-----------|----|-------|-------|-------|
| 061628.D | 306188-05 | 92 | 19003 | 70439 | 65994 |
| 061629.D | rinse | 91 | 19262 | 70038 | 65115 |
| 061630.D | rinse | 90 | 20233 | 68432 | 62930 |
| 061631.D | 38349 | 90 | 20068 | 69978 | 66192 |
| 061632.D | 37203 | 90 | 19419 | 72061 | 66787 |
| 061633.D | 20557 | 91 | 19512 | 69081 | 65439 |
| 061634.D | 40707 | 89 | 19291 | 71323 | 65918 |
| 061635.D | rinse | 93 | 19423 | 69217 | 62545 |

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

Created: Mon Jun 19 13:09:52 2023 GCMS7

GC/MS QA-QC Check Report

Tune File : V:\Proc_GCMS7\06-20-23\062003.D

Tune Time : 20 Jun 2023 2:10 pm

Daily Calibration File : V:\Proc_GCMS7\06-20-23\062004.D

(BFB)

| File | Sample | Surrogate Recovery % | 19062 | 70380 | 65893 |
|----------|------------|----------------------|-------|-------|-------|
| 062012.D | 03-1454 MB | 93 | 20158 | 71634 | 65996 |
| 062013.D | 306187-13 | 88 | 19701 | 69562 | 64275 |
| 062015.D | 306242-03 | 88 | 19405 | 69597 | 65416 |
| 062016.D | 306242-01 | 90 | 19538 | 68668 | 64792 |
| 062017.D | 306242-06 | 90 | 19393 | 68466 | 63992 |
| 062018.D | 306242-07 | 89 | 19039 | 66883 | 63656 |
| 062019.D | 306242-04 | 91 | 19120 | 71183 | 64199 |
| 062020.D | 306242-04 | 93 | 18725 | 70994 | 64363 |
| 062024.D | 8211 | 91 | 19658 | 69466 | 65428 |
| 062025.D | 35333 | 91 | 19560 | 69593 | 64842 |
| 062026.D | 35335 | 89 | 19275 | 70552 | 66681 |
| 062027.D | 37235 | 91 | 19609 | 70241 | 65221 |

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

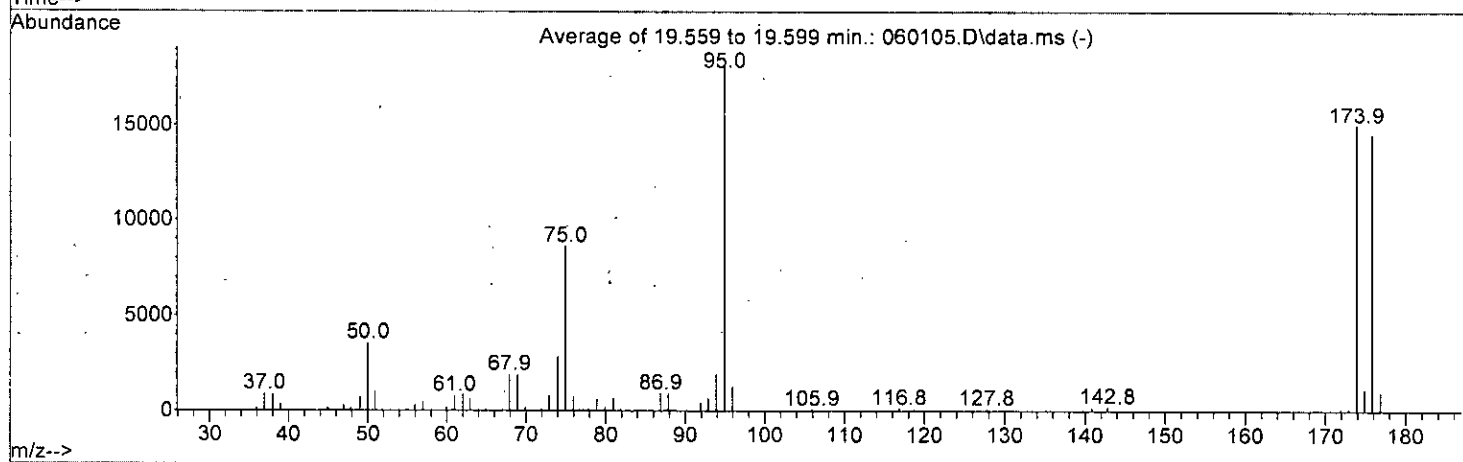
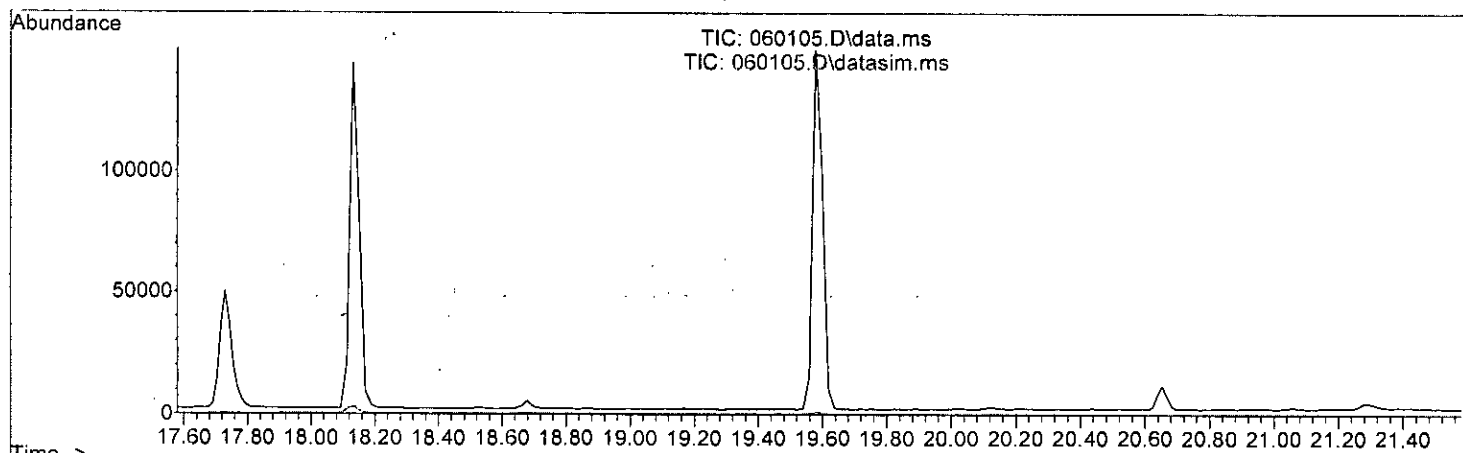
Created: Wed Jun 21 07:56:11 2023 GCMS7

**EPA TO-15
Tune Summaries**

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060105.D
 Acq On : 1 Jun 2023 3:19 pm
 Operator : bat
 Sample : BFB 69-61a
 Misc : T1
 ALS Vial : 5 Sample Multiplier: 1

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

Method : I:\GCMS7 Methods\0601T015ss7.M
 Title : T0-15 SS method
 Last Update : Fri Jun 02 18:46:29 2023



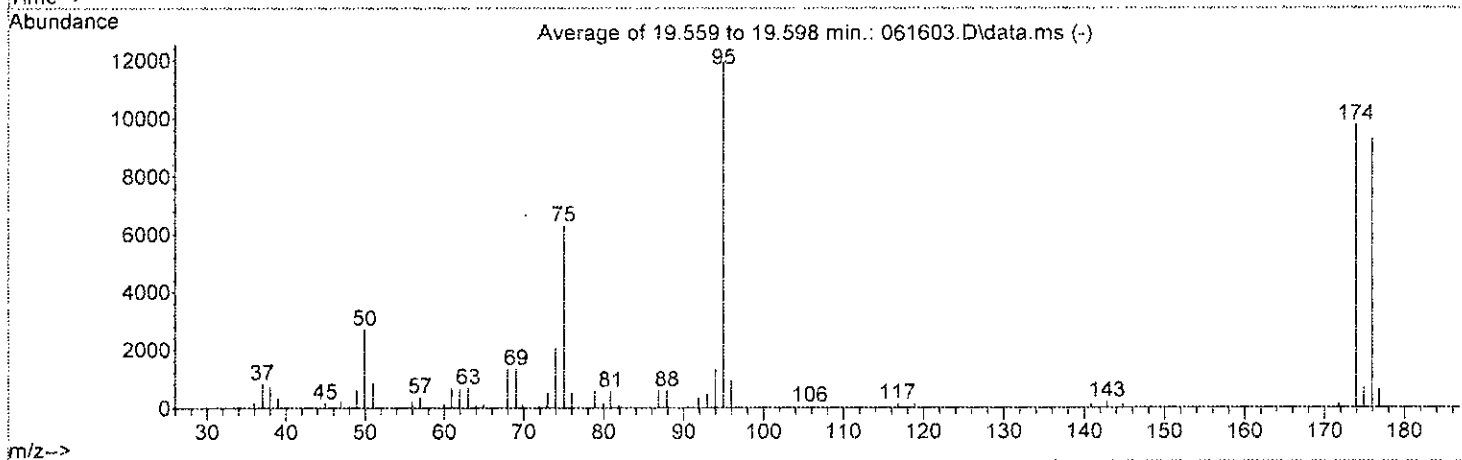
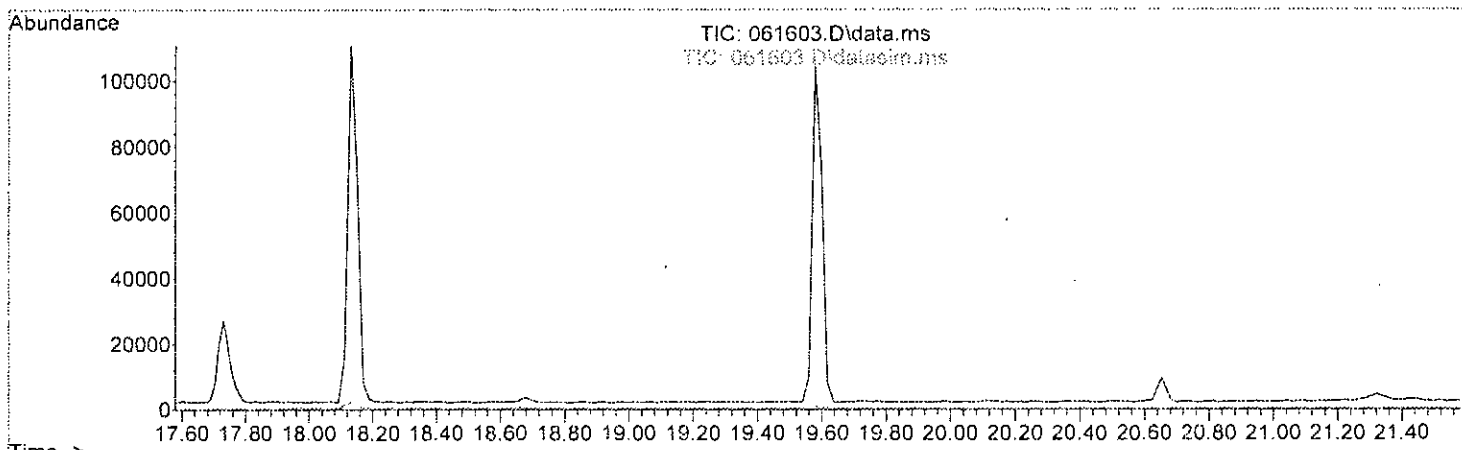
AutoFind: Scans 784, 785, 786; Background Corrected with Scan 781

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 8 | 40 | 19.4 | 3533 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 8571 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 18171 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 1275 | PASS |
| 173 | 174 | 0.00 | 2 | 0.6 | 91 | PASS |
| 174 | 95 | 50 | 120 | 82.3 | 14963 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 1106 | PASS |
| 176 | 174 | 93 | 101 | 96.8 | 14488 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 947 | PASS |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061603.D
 Acq On : 16 Jun 2023 10:38 am
 Operator : bat
 Sample : BFB 69-114a
 Misc : T1
 ALS Vial : 3 Sample Multiplier: 1

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

Method : D:\GCMS7 Methods\0601T015ss7.M
 Title : TO-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023



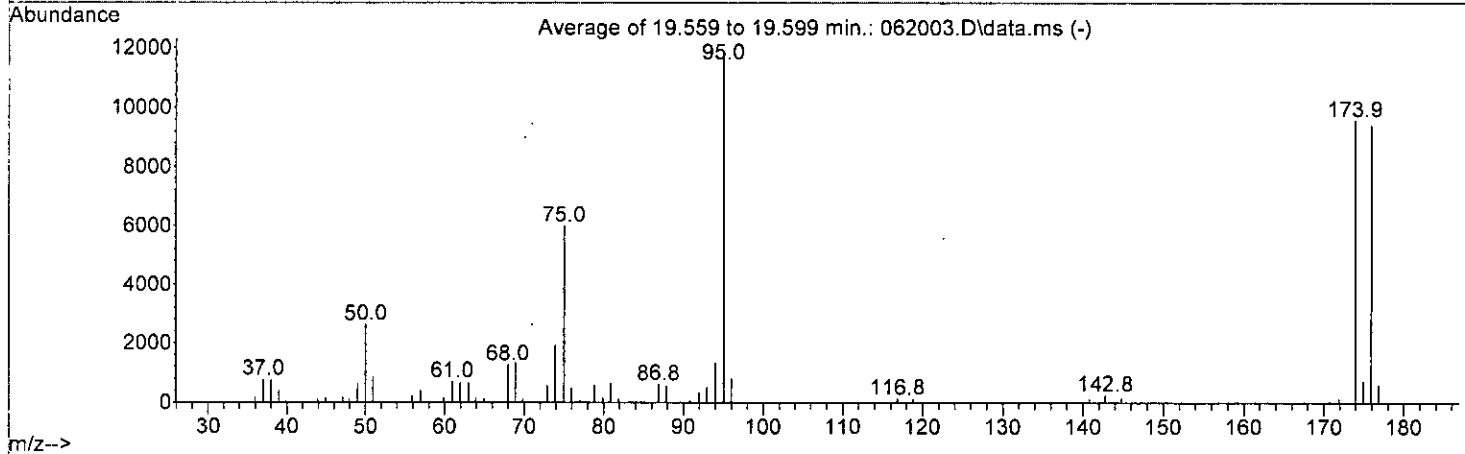
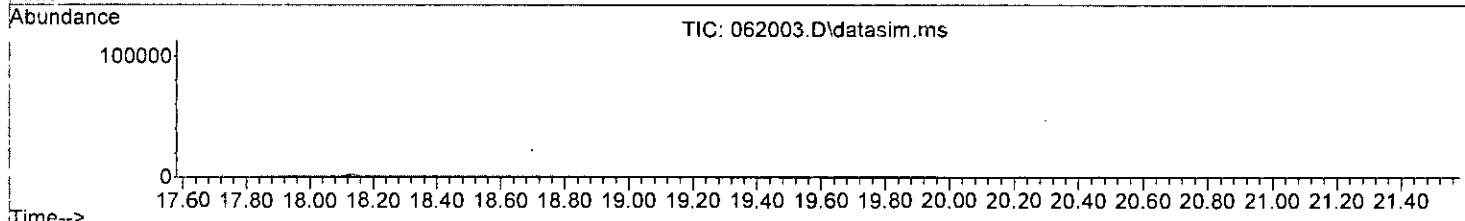
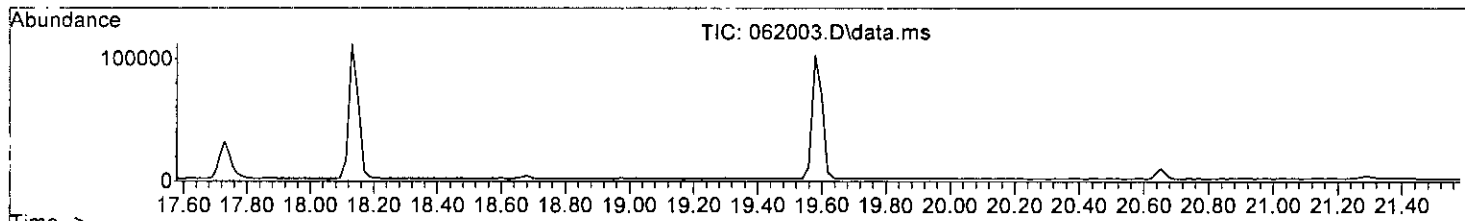
AutoFind: Scans 784, 785, 786; Background Corrected with Scan 781

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 8 | 40 | 22.6 | 2698 | PASS |
| 75 | 95 | 30 | 66 | 52.6 | 6285 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 11946 | PASS |
| 96 | 95 | 5 | 9 | 7.6 | 911 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 81.7 | 9758 | PASS |
| 175 | 174 | 4 | 9 | 6.8 | 668 | PASS |
| 176 | 174 | 93 | 101 | 95.0 | 9268 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 614 | PASS |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 2:10 pm
 Operator : bat
 Sample : BFB 69-114a
 Misc : T1
 ALS Vial : 3 Sample Multiplier: 1

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

Method : V:\GCMS7 Methods\0601T015ss7.M
 Title : T0-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023



AutoFind: Scans 784, 785, 786; Background Corrected with Scan 781

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 8 | 40 | 22.4 | 2612 | PASS |
| 75 | 95 | 30 | 66 | 51.1 | 5969 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 11679 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 786 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 81.7 | 9545 | PASS |
| 175 | 174 | 4 | 9 | 7.2 | 683 | PASS |
| 176 | 174 | 93 | 101 | 98.3 | 9378 | PASS |
| 177 | 176 | 5 | 9 | 6.1 | 571 | PASS |

EPA TO-15
Initial Calibrations

Response Factor Report GCMS7

Method Path : I:\GCMS7 Methods\
 Method File : 0601T015SS7.M
 Title : T0-15 55 method
 Last Update : Tue Jun 06 12:26:23 2023
 Response Via : Initial Calibration

Calibration Files
 0.01=060119.D 0.02=060120.D 0.05=060121.D 0.1=060122.D 0.2=060123.D 0.5=060124.D 1=060125.D 2.5=060126.D 4=060127.D 5=060128.D
 8=060129.D 10=060130.D 15=060131.D

| Compound | 0.01 | 0.02 | 0.05 | 0.1 | 0.2 | 0.5 | 1 | 2.5 | 4 | 5 | 8 | 10 | 15 | Avg | %RSD |
|---------------------------|------|------|------|-----|-----|-----|---|-----|---|---|---|----|----|-----|------|
| 1) I Bromochloromethane | | | | | | | | | | | | | | | |
| 2) TMP Propene | | | | | | | | | | | | | | | |
| 3) TMP Dichlorodifluo... | | | | | | | | | | | | | | | |
| 4) TMP Chloromethane | | | | | | | | | | | | | | | |
| 5) TMP F-114 | | | | | | | | | | | | | | | |
| 6) TMP Vinyl chloride | | | | | | | | | | | | | | | |
| 7) TMP 1,3-Butadiene | | | | | | | | | | | | | | | |
| 8) TMP Butane | | | | | | | | | | | | | | | |
| 9) TMP Bromomethane | | | | | | | | | | | | | | | |
| 10) TMP Chloroethane | | | | | | | | | | | | | | | |
| 11) TMP Vinyl bromide | | | | | | | | | | | | | | | |
| 12) TMP Ethanol | | | | | | | | | | | | | | | |
| 13) TMP Acrolein | | | | | | | | | | | | | | | |
| 14) TMP Pentane | | | | | | | | | | | | | | | |
| 15) TMP Trichlorofluor... | | | | | | | | | | | | | | | |
| 16) TMP Acetone | | | | | | | | | | | | | | | |
| 17) TMP 2-Propanol | | | | | | | | | | | | | | | |
| 18) TMP 1,1-Dichloroet... | | | | | | | | | | | | | | | |
| 19) TMP trans-1,2-Dich... | | | | | | | | | | | | | | | |
| 20) TMP Methylene chlo... | | | | | | | | | | | | | | | |
| 21) TMP t-Butyl alcoh... | | | | | | | | | | | | | | | |
| 22) TMP 3-Chloropropene | | | | | | | | | | | | | | | |
| 23) TMP CFC-113 | | | | | | | | | | | | | | | |
| 24) TMP Carbon disulfide | | | | | | | | | | | | | | | |
| 25) TMP Methyl t-butyl... | | | | | | | | | | | | | | | |
| 26) TMP Vinyl acetate | | | | | | | | | | | | | | | |
| 27) TMP 1,1-Dichloroet... | | | | | | | | | | | | | | | |
| 28) TMP cis-1,2-Dichlo... | | | | | | | | | | | | | | | |
| 29) TMP Hexane | | | | | | | | | | | | | | | |
| 30) TMP Chloroform | | | | | | | | | | | | | | | |
| 31) TMP Ethyl acetate | | | | | | | | | | | | | | | |
| 32) TMP Tetrahydrofuran | | | | | | | | | | | | | | | |
| 33) TMP 2-Butanone (MEK) | | | | | | | | | | | | | | | |
| 34) TMP 1,2-Dichloroet... | | | | | | | | | | | | | | | |
| 35) TMP 1,1,1-Trichlor... | | | | | | | | | | | | | | | |
| 36) TMP Carbon tetrach... | | | | | | | | | | | | | | | |
| 37) TMP Benzene | | | | | | | | | | | | | | | |

Response Factor Report GCMS7

Method Path : I:\GCMS7 Methods\
 Method File : 0601T0155S7.M
 Title : T0-15 SS method
 38) TMP Cyclohexane

1.193 1.210 1.586 1.447 1.408 1.375 1.354 1.266 1.355 9.67

| | | -----ISTD----- | | | | | | | | | | | | | | |
|-----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 39) | I 1,4-Difluorobenzene | | | | | | | | | | | | | | | |
| 40) | TMP 1,2-Dichloropr... | 0.790 | 0.554 | 0.586 | 0.557 | 0.595 | 0.560 | 0.557 | 0.653 | 0.621 | 0.622 | 0.572 | 0.580 | 0.574 | 0.601 | 10.65 |
| 41) | TMP 1,4-Dioxane | | | 0.271 | 0.257 | 0.280 | 0.255 | 0.255 | 0.285 | 0.272 | 0.270 | 0.257 | 0.258 | 0.253 | 0.265 | 4.20 |
| 42) | TMP 2,2,4-Trimethy... | | | | | | 1.679 | 1.599 | 2.023 | 1.881 | 1.878 | 1.808 | 1.831 | 1.762 | 1.808 | 7.23 |
| 43) | TMP Methyl methacr... | | | | | | 0.539 | 0.483 | 0.604 | 0.562 | 0.580 | 0.541 | 0.560 | 0.549 | 0.552 | 6.39 |
| 44) | TMP Heptane | | | | | | 0.567 | 0.528 | 0.682 | 0.645 | 0.649 | 0.625 | 0.632 | 0.659 | 0.623 | 8.19 |
| 45) | TMP Bromodichlorom... | 1.076 | 0.967 | 0.946 | 0.903 | 0.991 | 0.943 | 0.924 | 1.081 | 1.011 | 1.000 | 0.944 | 0.943 | 0.927 | 0.974 | 5.74 |
| 46) | TMP Trichloroethene | 0.711 | 0.651 | 0.635 | 0.578 | 0.619 | 0.586 | 0.575 | 0.674 | 0.623 | 0.618 | 0.575 | 0.577 | 0.566 | 0.615 | 7.23 |
| 47) | TMP cis-1,3-Dichlo... | | | | | 0.494 | 0.726 | 0.670 | 0.625 | 0.773 | 0.749 | 0.731 | 0.702 | 0.712 | 0.710 | 0.689 |
| 48) | TMP 4-Methyl-2-pen... | | | | | | 0.038 | 0.050 | 0.046 | 0.048 | 0.046 | 0.051 | 0.049 | 0.047 | | 9.17 |
| 49) | TMP trans-1,3-Dich... | | | 0.807 | 0.700 | 0.644 | 0.676 | 0.648 | 0.639 | 0.746 | 0.715 | 0.709 | 0.681 | 0.686 | 0.695 | 6.79 |
| 50) | TMP Toluene | | | 1.181 | 0.859 | 0.775 | 0.782 | 0.697 | 0.660 | 0.804 | 0.778 | 0.767 | 0.738 | 0.732 | 0.733 | 0.792 |
| 51) | TMP 1,1,2-Trichlor... | 0.652 | 0.617 | 0.556 | 0.535 | 0.565 | 0.523 | 0.518 | 0.608 | 0.619 | 0.601 | 0.559 | 0.559 | 0.544 | 0.573 | 7.27 |
| 52) | TMP 2-Hexanone | | | | | | 0.916 | 0.899 | 1.001 | 1.003 | 0.964 | 0.945 | 0.949 | 0.938 | 0.952 | 3.86 |
| 53) | TMP Tetrachloroethene | | | | | | 0.458 | 0.509 | 0.464 | 0.443 | 0.561 | 0.520 | 0.508 | 0.468 | 0.472 | 7.61 |
| 54) | TMP Dibromochlorom... | 1.007 | 0.996 | 0.910 | 0.872 | 0.956 | 0.913 | 0.901 | 1.028 | 0.975 | 0.965 | 0.912 | 0.926 | 0.913 | 0.944 | 5.01 |
| 55) | TMP 1,2-Dibromoeth... | 1.214 | 0.996 | 0.957 | 0.905 | 0.958 | 0.868 | 0.841 | 0.994 | 0.933 | 0.927 | 0.857 | 0.850 | 0.828 | 0.933 | 10.96 |

| | | -----ISTD----- | | | | | | | | | | | | | | |
|-----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 56) | I Chlorobenzene-d5 | | | | | | | | | | | | | | | |
| 57) | TMP Chlorobenzene | | | 1.046 | 0.988 | 1.007 | 1.042 | 1.233 | 1.117 | 1.115 | 1.076 | 1.063 | 1.011 | 1.070 | | 6.71 |
| 58) | TMP Ethylbenzene | 2.212 | 1.886 | 1.755 | 1.673 | 1.798 | 1.609 | 1.571 | 1.841 | 1.689 | 1.709 | 1.659 | 1.631 | 1.555 | 1.738 | 10.02 |
| 59) | TMP 1,1,2,2-Tetrac... | 1.882 | 1.664 | 1.562 | 1.500 | 1.614 | 1.456 | 1.425 | 1.657 | 1.502 | 1.498 | 1.430 | 1.383 | 1.333 | 1.531 | 9.53 |
| 60) | TMP Nonane | | | | | 0.741 | 0.761 | 0.836 | 0.739 | 0.764 | 0.737 | 0.728 | 0.698 | 0.750 | | 5.38 |
| 61) | TMP Isopropylbenzene | | | 1.494 | 1.573 | 1.473 | 1.343 | 1.652 | 1.529 | 1.551 | 1.509 | 1.449 | 1.396 | 1.497 | | 5.93 |
| 62) | TMP 2-Chlorotoluene | | | | | 0.372 | 0.389 | 0.443 | 0.402 | 0.411 | 0.407 | 0.406 | 0.381 | 0.401 | | 5.39 |
| 63) | TMP Propylbenzene | | | 2.787 | 2.909 | 2.785 | 2.832 | 3.334 | 3.180 | 3.188 | 3.163 | 3.068 | 2.946 | 3.019 | | 6.42 |
| 64) | TMP 4-Ethyltoluene | | | | | 1.308 | 1.273 | 1.591 | 1.527 | 1.567 | 1.528 | 1.511 | 1.443 | 1.468 | | 8.06 |
| 65) | TMP m,p-Xylene | 0.876 | 0.730 | 0.612 | 0.615 | 0.557 | 0.539 | 0.635 | 0.589 | 0.596 | 0.580 | 0.569 | 0.547 | 0.620 | | 15.34 |
| 66) | TMP o-Xylene | 0.549 | 0.557 | 0.506 | 0.551 | 0.506 | 0.486 | 0.571 | 0.532 | 0.541 | 0.523 | 0.512 | 0.486 | 0.527 | | 5.30 |
| 67) | TMP Styrene | | | 0.600 | 0.741 | 0.650 | 0.701 | 0.858 | 0.811 | 0.845 | 0.845 | 0.820 | 0.797 | 0.767 | | 11.71 |
| 68) | TMP Bromoform | | | 0.754 | 1.042 | 1.017 | 0.946 | 1.005 | 0.960 | 0.968 | 0.925 | 0.912 | 0.874 | 0.940 | | 8.80 |
| 69) | S 4-Bromofluorob... | 0.705 | 0.684 | 0.677 | 0.674 | 0.711 | 0.684 | 0.701 | 0.719 | 0.704 | 0.734 | 0.748 | 0.737 | 0.736 | 0.709 | 3.51 |
| 70) | TMP Benzyl chloride | 1.282 | 1.209 | 1.261 | 1.238 | 1.293 | 1.240 | 1.241 | 1.499 | 1.444 | 1.478 | 1.486 | 1.473 | 1.447 | 1.353 | 8.60 |
| 71) | TMP 1,3,5-Trimethy... | | | 1.215 | 1.273 | 1.263 | 1.173 | 1.453 | 1.401 | 1.430 | 1.430 | 1.397 | 1.370 | 1.279 | 1.325 | 7.30 |
| 72) | TMP 1,2,4-Trimethy... | | | 0.989 | 1.039 | 1.014 | 1.009 | 1.312 | 1.248 | 1.286 | 1.290 | 1.270 | 1.252 | 1.171 | | 11.76 |
| 73) | TMP 1,3-Dichlorobe... | | | 1.039 | 1.009 | 1.026 | 0.963 | 0.957 | 1.172 | 1.102 | 1.122 | 1.097 | 1.065 | 1.028 | 1.053 | 6.32 |
| 74) | TMP 1,4-Dichlorobe... | | | 1.016 | 0.967 | 0.978 | 0.957 | 0.893 | 0.899 | 1.081 | 1.021 | 1.046 | 1.026 | 0.999 | 0.967 | 5.67 |
| 75) | TMP 1,2-Dichlorobe... | | | 0.969 | 0.974 | 0.971 | 0.977 | 0.920 | 0.925 | 1.135 | 1.100 | 1.111 | 1.077 | 1.044 | 1.007 | 7.26 |
| 76) | TMP 1,2,4-Trichlor... | | | 0.775 | 0.676 | 0.640 | 0.693 | 0.825 | 0.824 | 0.824 | 0.862 | 0.890 | 0.893 | 0.902 | 0.798 | 12.20 |
| 77) | TMP Naphthalene | | | 0.923 | 1.092 | 1.374 | 0.896 | 0.909 | 0.992 | 1.256 | 1.312 | 1.411 | 1.489 | 1.526 | 1.574 | 20.79 |
| 78) | TMP Hexachlorobuta... | 1.168 | 1.097 | 1.046 | 1.112 | 1.039 | 1.026 | 1.218 | 1.133 | 1.144 | 1.119 | 1.085 | 1.043 | 1.103 | | 5.31 |

(#) = Out of Range

Compound List Report GCMS7

Method Path : I:\GCMS7 Methods\
 Method File : 0601TO15ss7.M
 Title : TO-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023
 Response Via : Initial Calibration

Total Cpnds : 78

| PK# | Compound Name | QIon | Exp_RT | Rel_RT | Cal | #Qual | A/H | ID |
|-----|-------------------------------|------|--------|--------|-----|-------|-----|----|
| 1 | I Bromochloromethane | 128 | 9.86 | 1.000 | A | 2 | A | B |
| 2 | T Propene | 41 | 3.41 | 0.345 | A | 2 | A | B |
| 3 | T Dichlorodifluoromethane | 85 | 3.48 | 0.353 | A | 1 | A | B |
| 4 | T Chloromethane | -50 | 3.69 | 0.374 | A | 1 | A | B |
| 5 | T F-114 | 85 | 3.88 | 0.394 | A | 2 | A | B |
| 6 | T Vinyl chloride | -62 | 4.01 | 0.406 | A | 1 | A | B |
| 7 | T 1,3-Butadiene | -54 | 4.21 | 0.426 | A | 3 | A | B |
| 8 | T Butane | 43 | 4.28 | 0.434 | A | 1 | A | B |
| 9 | T Bromomethane | 94 | 4.56 | 0.462 | A | 1 | A | B |
| 10 | T Chloroethane | -64 | 4.80 | 0.487 | A | 1 | A | B |
| 11 | T Vinyl bromide | -106 | 5.26 | 0.533 | A | 1 | A | B |
| 12 | T Ethanol | 45 | 4.96 | 0.502 | A | 1 | A | B |
| 13 | T Acrolein | -56 | 5.38 | 0.545 | A | 1 | A | B |
| 14 | T Pentane | 43 | 6.25 | 0.634 | A | 2 | A | B |
| 15 | T Trichlorofluoromethane | 101 | 5.82 | 0.590 | A | 1 | A | B |
| 16 | T Acetone | 58 | 5.54 | 0.562 | A | 1 | A | B |
| 17 | T 2-Propanol | 45 | 5.78 | 0.586 | A | 2 | A | B |
| 18 | T 1,1-Dichloroethene | -96 | 6.65 | 0.674 | A | 2 | A | B |
| 19 | T trans-1,2-Dichloroethene | -96 | 8.07 | 0.818 | A | 2 | A | B |
| 20 | T Methylene chloride | 84 | 6.75 | 0.684 | A | 2 | A | B |
| 21 | T t-Butyl alcohol (TBA) | 59 | 6.57 | 0.666 | A | 1 | A | B |
| 22 | T 3-Chloropropene | 41 | 6.93 | 0.703 | A | 1 | A | B |
| 23 | T CFC-113 | 101 | 7.15 | 0.724 | A | 2 | A | B |
| 24 | T Carbon disulfide | 76 | 7.25 | 0.735 | A | 2 | A | B |
| 25 | T Methyl t-butyl ether (MTBE) | 73 | 8.41 | 0.852 | A | 1 | A | B |
| 26 | T Vinyl acetate | 43 | 8.51 | 0.863 | A | 1 | A | B |
| 27 | T 1,1-Dichloroethane | -63 | 8.33 | 0.845 | A | 2 | A | B |
| 28 | T cis-1,2-Dichloroethene | -96 | 9.60 | 0.973 | A | 2 | A | B |
| 29 | T Hexane | 57 | 9.99 | 1.013 | A | 2 | A | B |
| 30 | T Chloroform | -83 | 10.07 | 1.020 | A | 1 | A | B |
| 31 | T Ethyl acetate | 43 | 9.90 | 1.004 | A | 1 | A | B |
| 32 | T Tetrahydrofuran | 42 | 10.72 | 1.086 | A | 1 | A | B |
| 33 | T 2-Butanone (MEK) | 72 | 8.88 | 0.900 | A | 3 | A | B |
| 34 | T 1,2-Dichloroethane (EDC) | -62 | 11.30 | 1.146 | A | 2 | A | B |
| 35 | T 1,1,1-Trichloroethane | -97 | 11.79 | 1.196 | A | 2 | A | B |
| 36 | T Carbon tetrachloride | -117 | 12.83 | 1.300 | A | 1 | A | B |
| 37 | T Benzene | -78 | 12.58 | 1.275 | A | 1 | A | B |
| 38 | T Cyclohexane | 84 | 13.05 | 1.323 | A | 2 | A | B |
| 39 | I 1,4-Difluorobenzene | 114 | 13.11 | 1.000 | A | 2 | A | B |
| 40 | T 1,2-Dichloropropane | -63 | 13.78 | 1.051 | A | 1 | A | B |
| 41 | T 1,4-Dioxane | -88 | 14.07 | 1.073 | A | 1 | A | B |
| 42 | T 2,2,4-Trimethylpentane | 57 | 14.21 | 1.084 | A | 2 | A | B |
| 43 | T Methyl methacrylate | 41 | 14.34 | 1.094 | A | 2 | A | B |
| 44 | T Heptane | 43 | 14.53 | 1.109 | A | 3 | A | B |
| 45 | T Bromodichloromethane | -83 | 14.02 | 1.070 | A | 2 | A | B |
| 46 | T Trichloroethene | -95 | 14.12 | 1.077 | A | 3 | A | B |
| 47 | T cis-1,3-Dichloropropene | 75 | 15.18 | 1.158 | A | 2 | A | B |
| 48 | T 4-Methyl-2-pentanone | 100 | 15.21 | 1.160 | A | 3 | A | B |
| 49 | T trans-1,3-Dichloropropene | -75 | 15.78 | 1.204 | A | 2 | A | B |
| 50 | T Toluene | -92 | 16.31 | 1.245 | A | 1 | A | B |
| 51 | T 1,1,2-Trichloroethane | -83 | 15.98 | 1.219 | A | 2 | A | B |
| 52 | T 2-Hexanone | 43 | 16.56 | 1.263 | A | 3 | A | B |
| 53 | T Tetrachloroethene | -164 | 17.52 | 1.336 | A | 3 | A | B |
| 54 | T Dibromochloromethane | -129 | 16.76 | 1.279 | A | 2 | A | B |
| 55 | T 1,2-Dibromoethane (EDB) | -107 | 17.01 | 1.298 | A | 2 | A | B |

| | | | | | | | | | |
|----|---|---------------------------|------|-------|-------|----|---|---|---|
| 56 | I | Chlorobenzene-d5 | 117 | 18.13 | 1.000 | A | 2 | A | B |
| 57 | T | Chlorobenzene | 112 | 18.17 | 1.002 | A | 2 | A | B |
| 58 | T | Ethylbenzene | -91 | 18.53 | 1.022 | A | 1 | A | B |
| 59 | T | 1,1,2,2-Tetrachloroethane | -83 | 19.14 | 1.055 | A | 2 | A | B |
| 60 | T | Nonane | 43 | 19.32 | 1.066 | A | 3 | A | B |
| 61 | T | Isopropylbenzene | 105 | 19.72 | 1.087 | A | 1 | A | B |
| 62 | T | 2-Chlorotoluene | 126 | 20.17 | 1.113 | A | 1 | A | B |
| 63 | T | Propylbenzene | 91 | 20.19 | 1.113 | A | 1 | A | B |
| 64 | T | 4-Ethyltoluene | 105 | 20.33 | 1.121 | A | 1 | A | B |
| 65 | T | m,p-Xylene | -106 | 18.70 | 1.032 | A | 1 | A | B |
| 66 | T | o-Xylene | -106 | 19.15 | 1.056 | A | 1 | A | B |
| 67 | T | Styrene | 104 | 19.05 | 1.051 | A | 1 | A | B |
| 68 | T | Bromoform | 173 | 18.80 | 1.037 | A | 2 | A | B |
| 69 | S | 4-Bromofluorobenzene | 95 | 19.58 | 1.080 | A | 2 | A | B |
| 70 | T | Benzyl chloride | -91 | 20.95 | 1.155 | A | 1 | A | B |
| 71 | T | 1,3,5-Trimethylbenzene | 105 | 20.39 | 1.125 | A | 1 | A | B |
| 72 | T | 1,2,4-Trimethylbenzene | 105 | 20.81 | 1.148 | A | 1 | A | B |
| 73 | T | 1,3-Dichlorobenzene | -146 | 20.99 | 1.158 | A | 2 | A | B |
| 74 | T | 1,4-Dichlorobenzene | -146 | 21.05 | 1.161 | A | 2 | A | B |
| 75 | T | 1,2-Dichlorobenzene | -146 | 21.41 | 1.181 | A | 2 | A | B |
| 76 | T | 1,2,4-Trichlorobenzene | 180 | 23.67 | 1.305 | A | 2 | A | B |
| 77 | T | Naphthalene | -128 | 23.86 | 1.316 | QO | 2 | A | B |
| 78 | T | Hexachlorobutadiene | -225 | 24.44 | 1.348 | A | 2 | A | B |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

0601T015ss7.M Tue Jun 06 16:31:53 2023

Calibration Status Report GCMS7

Method Path : I:\GCMS7 Methods\
 Method File : 0601TO15ss7.M
 Title : TO-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023
 Response Via : Initial Calibration

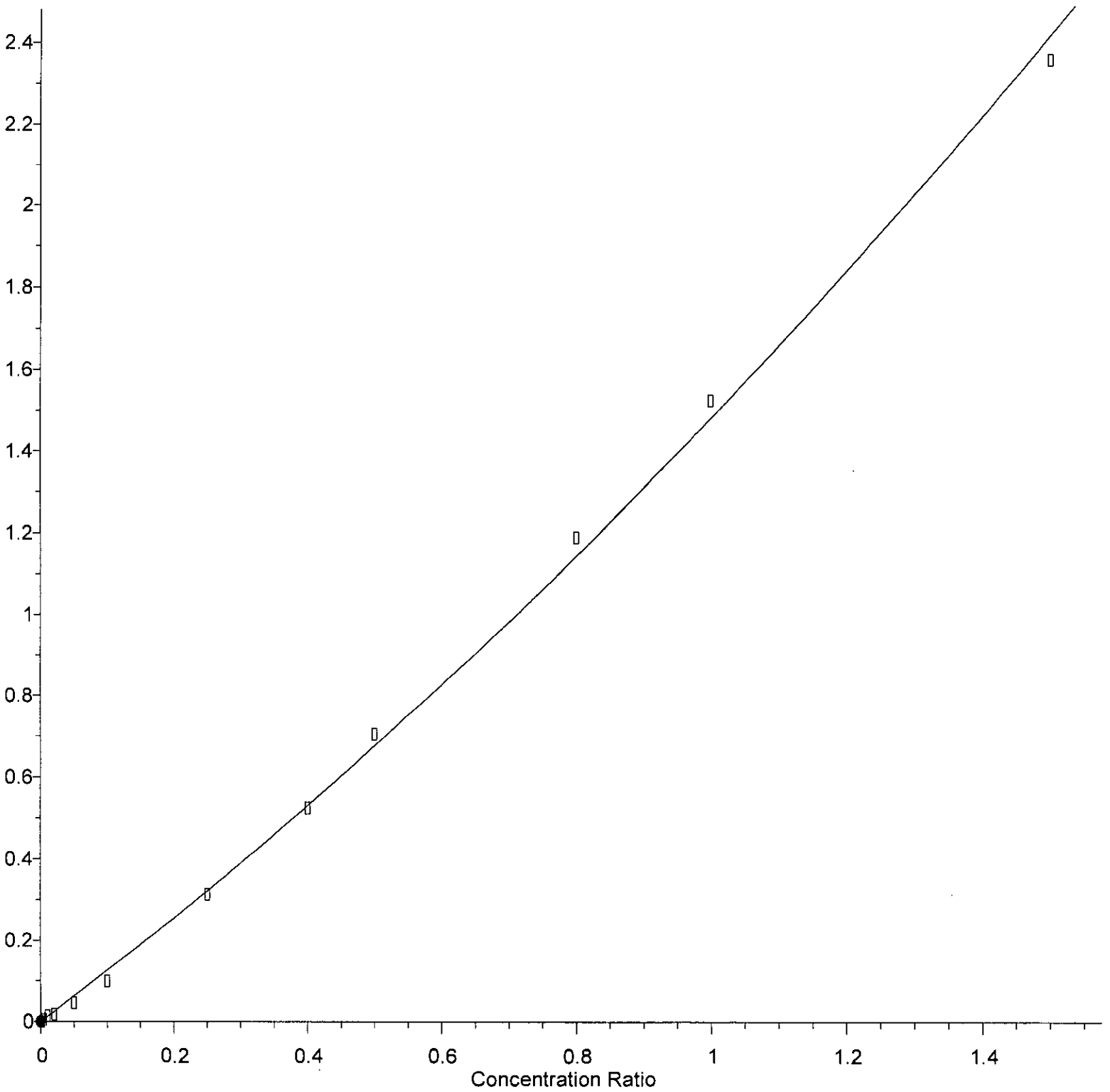
| # | ID | Conc | ISTD Conc | Path\File |
|----|------|------|--------------|---------------------------------|
| 1 | 0.01 | -1 | 10 | D:\Proc_GCMS7\06-01-23\060119.D |
| 2 | 0.02 | 0 | 10 | D:\Proc_GCMS7\06-01-23\060120.D |
| 3 | 0.05 | 0 | 10 | D:\Proc_GCMS7\06-01-23\060121.D |
| 4 | 0.1 | 0 | 10 | D:\Proc_GCMS7\06-01-23\060122.D |
| 5 | 0.2 | 0 | 10 | D:\Proc_GCMS7\06-01-23\060123.D |
| 6 | 0.5 | 1 | 10 | D:\Proc_GCMS7\06-01-23\060124.D |
| 7 | 1 | 1 | 10 | D:\Proc_GCMS7\06-01-23\060125.D |
| 8 | 2.5 | 3 | 10 | D:\Proc_GCMS7\06-01-23\060126.D |
| 9 | 4 | 4 | 10 | D:\Proc_GCMS7\06-01-23\060127.D |
| 10 | 5 | 5 | 10 | D:\Proc_GCMS7\06-01-23\060128.D |
| 11 | 8 | 8 | 10 | D:\Proc_GCMS7\06-01-23\060129.D |
| 12 | 10 | 10 | 10 | D:\Proc_GCMS7\06-01-23\060130.D |
| 13 | 15 | 15 | 10 | D:\Proc_GCMS7\06-01-23\060131.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|----|------|-------------------|-------------------|---------------------|
| 1 | 0.01 | Jun 02 17:47 2023 | Jun 02 17:20 2023 | 2 Jun 2023 12:18 am |
| 2 | 0.02 | Jun 02 17:47 2023 | Jun 02 17:23 2023 | 2 Jun 2023 1:02 am |
| 3 | 0.05 | Jun 02 17:47 2023 | Jun 02 17:25 2023 | 2 Jun 2023 1:46 am |
| 4 | 0.1 | Jun 02 17:47 2023 | Jun 02 17:28 2023 | 2 Jun 2023 2:31 am |
| 5 | 0.2 | Jun 02 17:47 2023 | Jun 02 17:30 2023 | 2 Jun 2023 3:05 am |
| 6 | 0.5 | Jun 02 17:47 2023 | Jun 02 17:32 2023 | 2 Jun 2023 3:43 am |
| 7 | 1 | Jun 02 17:47 2023 | Jun 02 17:35 2023 | 2 Jun 2023 4:27 am |
| 8 | 2.5 | Jun 02 17:47 2023 | Jun 02 17:38 2023 | 2 Jun 2023 5:01 am |
| 9 | 4 | Jun 02 17:47 2023 | Jun 02 17:39 2023 | 2 Jun 2023 5:35 am |
| 10 | 5 | Jun 02 17:47 2023 | Jun 02 17:40 2023 | 2 Jun 2023 6:09 am |
| 11 | 8 | Jun 02 17:47 2023 | Jun 02 17:42 2023 | 2 Jun 2023 6:45 am |
| 12 | 10 | Jun 02 17:47 2023 | Jun 02 17:43 2023 | 2 Jun 2023 7:21 am |
| 13 | 15 | Jun 02 17:47 2023 | Jun 02 17:45 2023 | 2 Jun 2023 8:01 am |

0601TO15ss7.M Tue Jun 06 16:31:59 2023

Naphthalene

Response Ratio

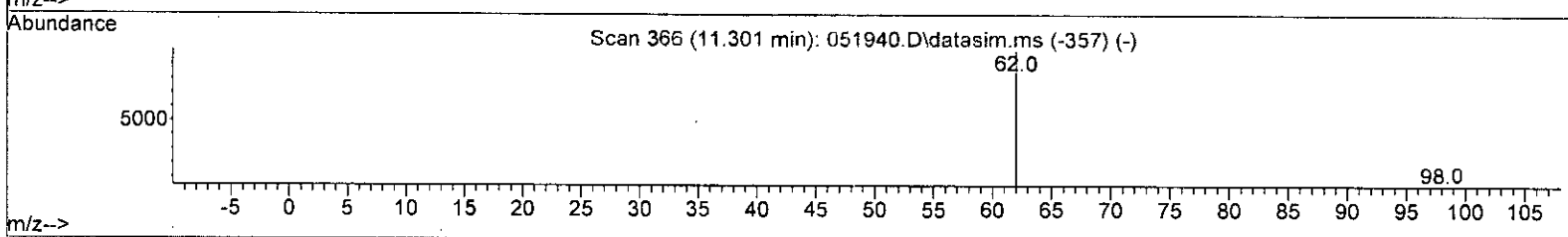
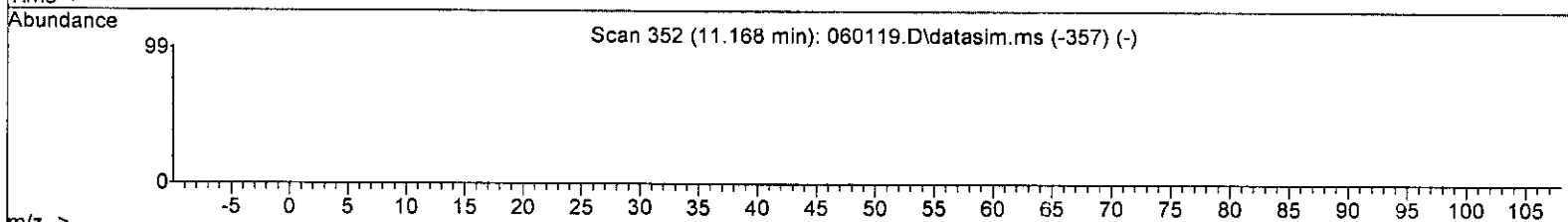
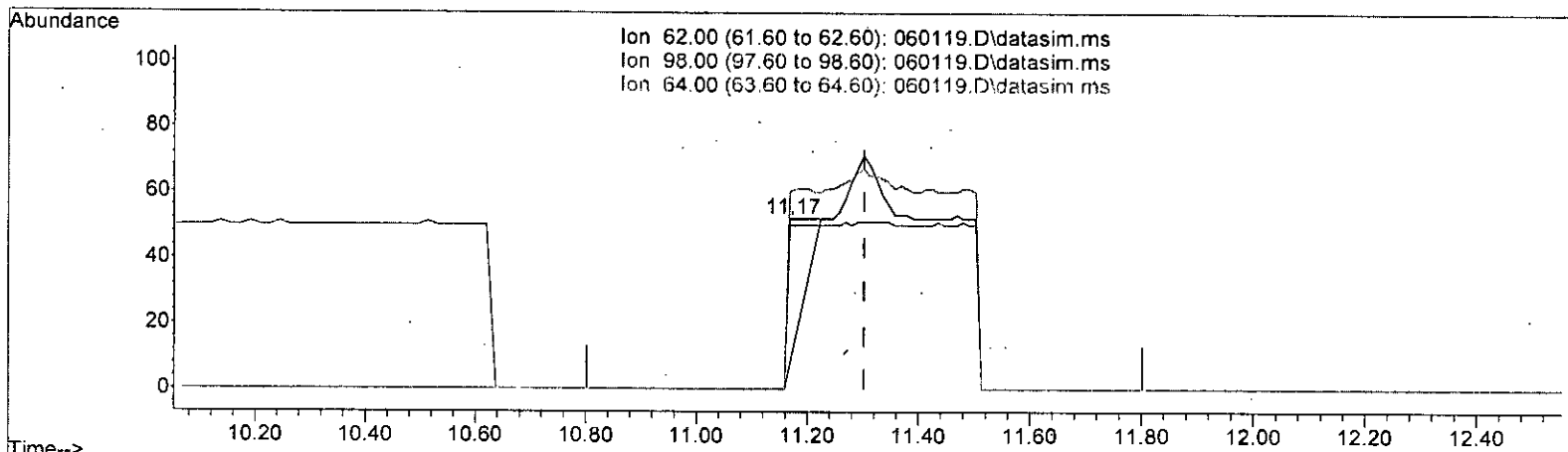


$R = 2.619e-001 A^2 + 1.221e+000 A + 0.000e+000$
Coef of Det (r^2) = 0.997762 Curve Fit: Quad w(1/a)/(0,0)
Method Name: I:\GCMS7 Methods\0601TO15ss7.M
Calibration Table Last Updated: Tue Jun 06 12:26:23 2023

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060119.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.168min (-0.134) 0.017 ppbv

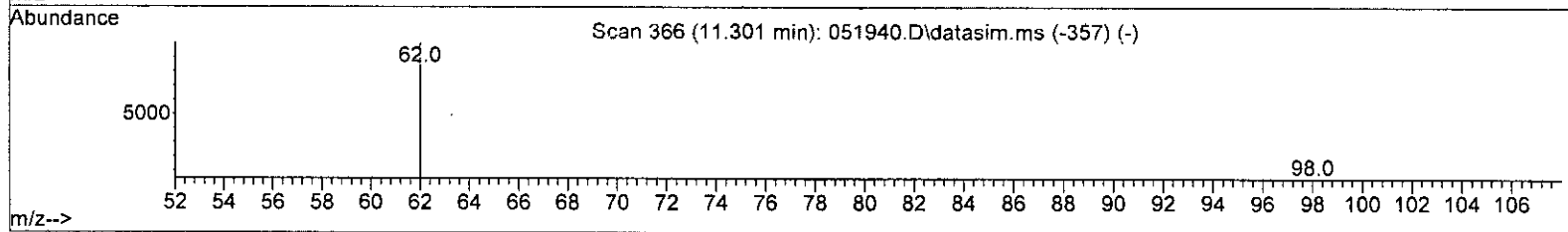
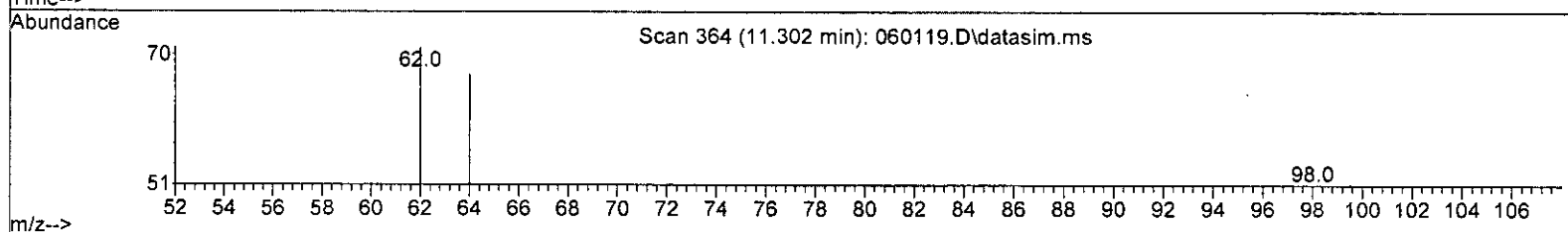
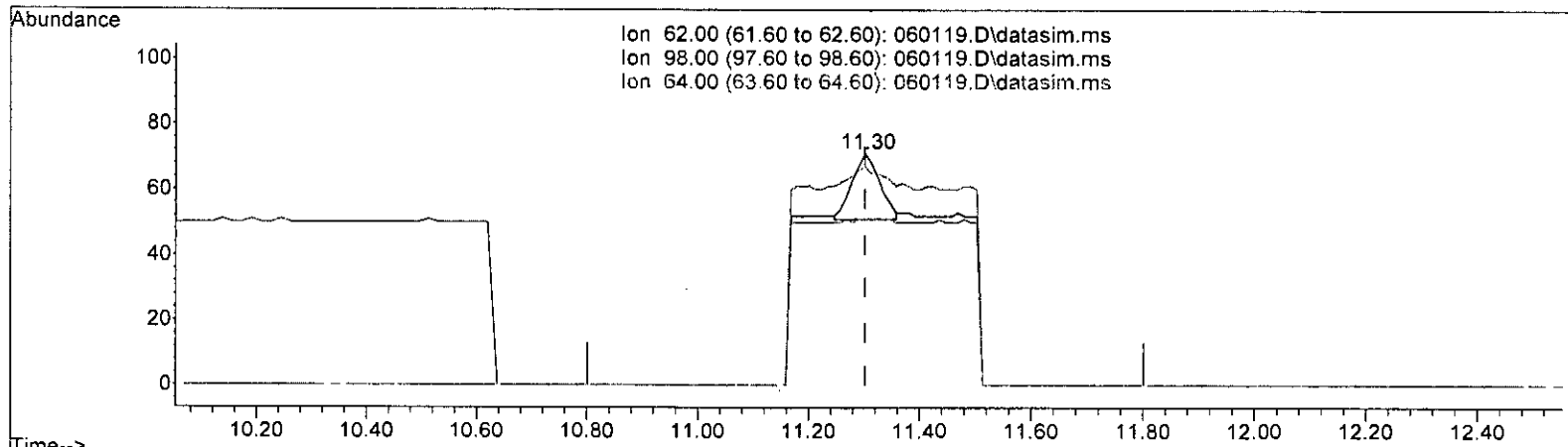
| response | 102 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 96.15# |
| 64.00 | 33.00 115.38# |
| 0.00 | 0.00 0.00 |

g/c Rm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060119.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (-0.000) 0.011 ppbv m

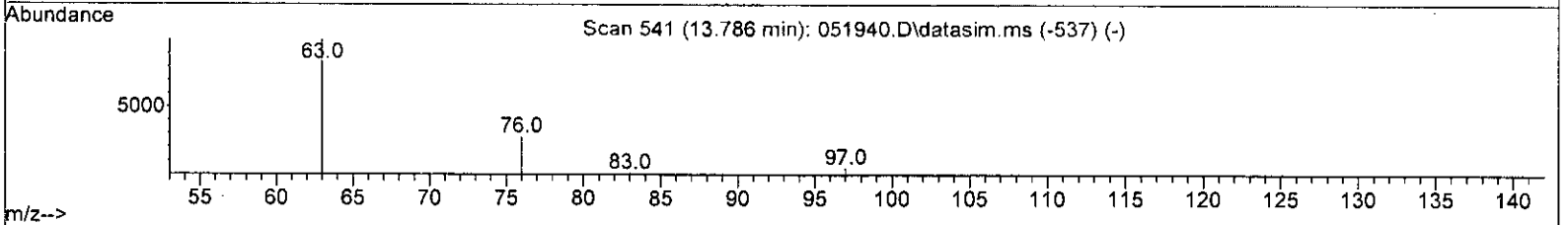
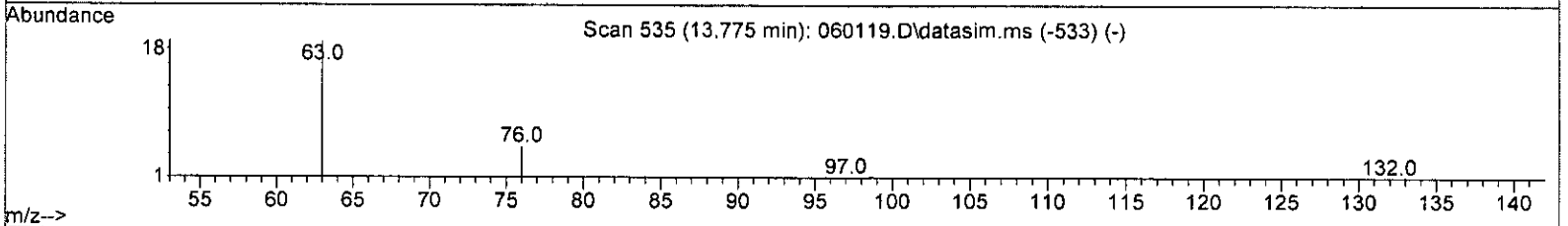
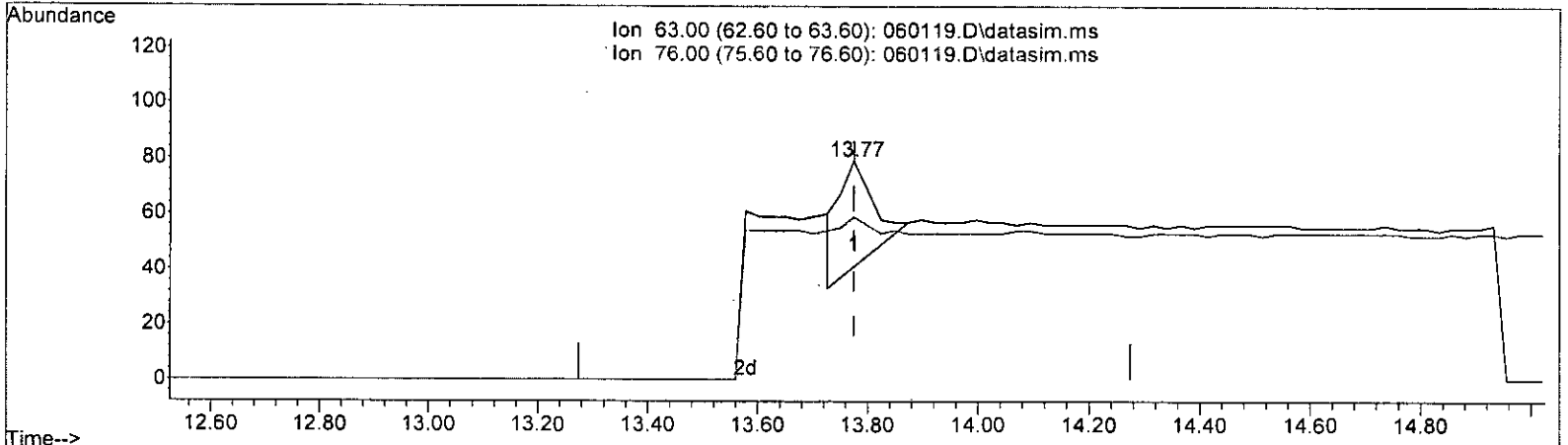
| response | 69 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 71.83# |
| 64.00 | 33.00 | 94.37# |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



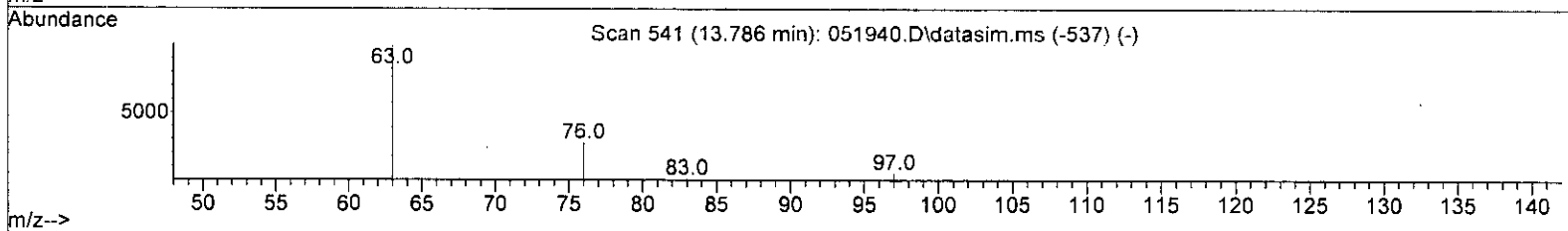
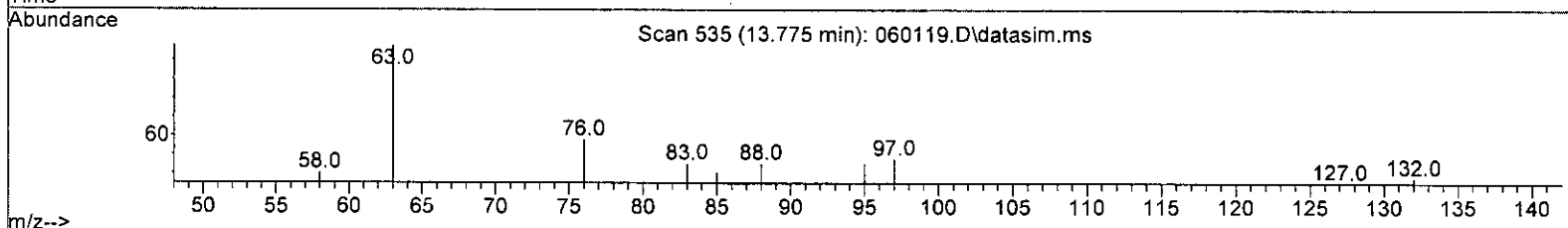
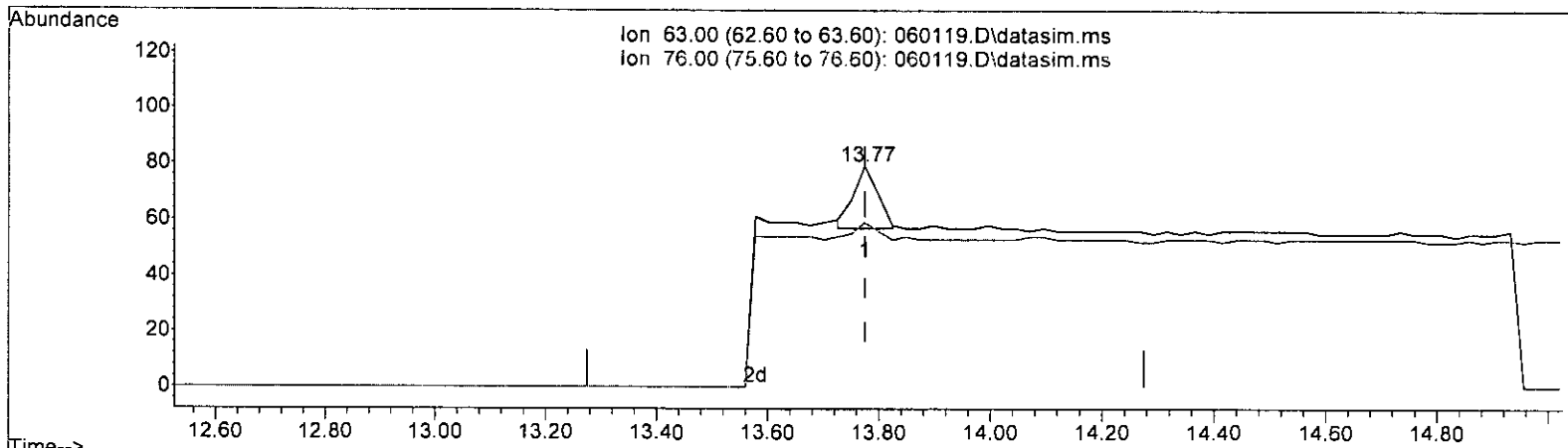
TIC: 060119.D\data.ms

| (40) 1,2-Dichloropropane (TMP) | | | |
|--------------------------------|--------|--------|----------------|
| 13.775min (-0.000) 0.028 ppbv | | | |
| response | 173 | | |
| Ion | Exp% | Act% | 6/6 <i>bat</i> |
| 63.00 | 100.00 | 100.00 | |
| 76.00 | 25.70 | 27.27 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060119.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 0.011 ppbv m

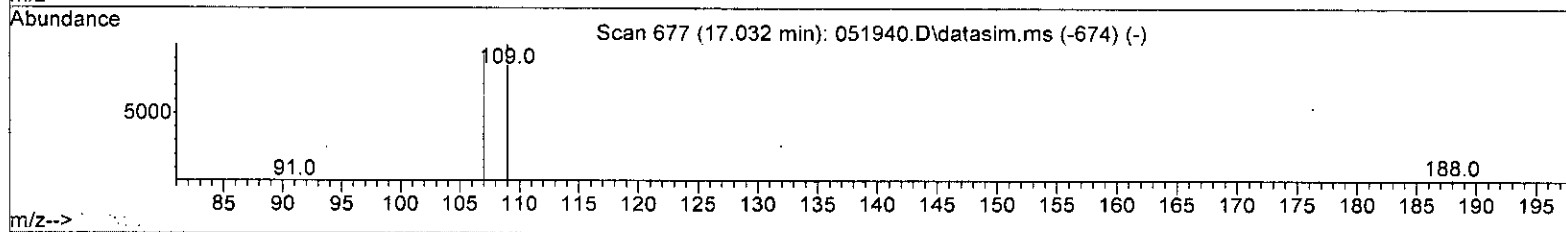
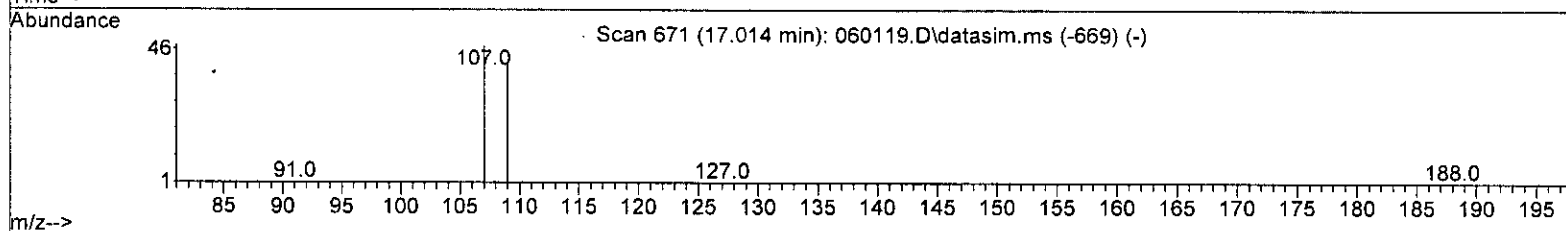
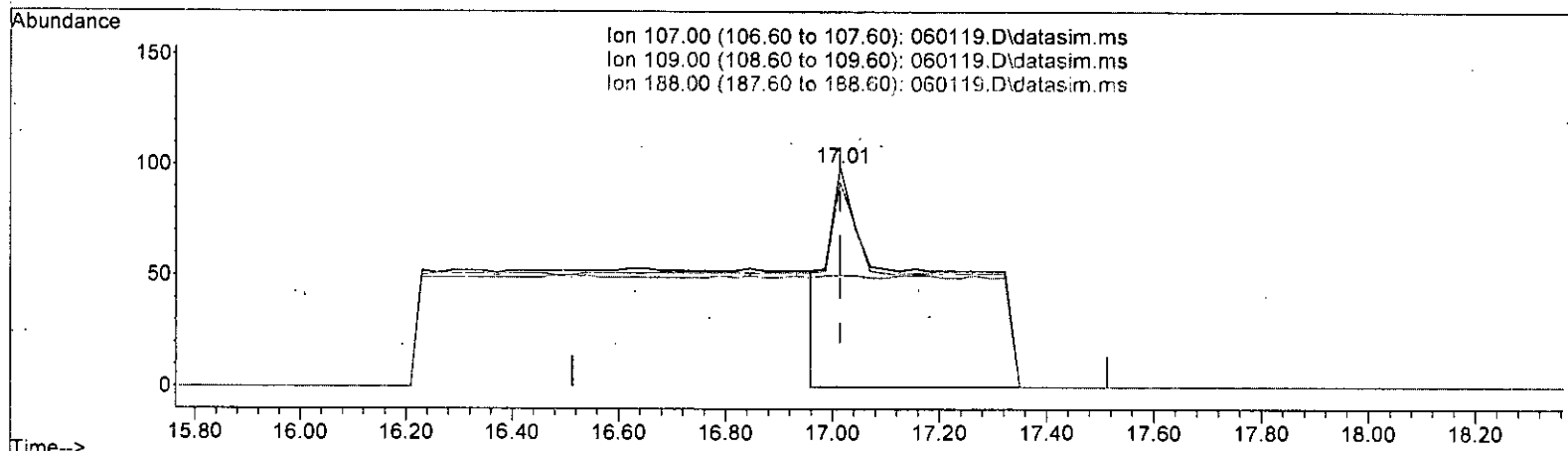
| response | 66 |
|----------|---------------|
| Ion | Exp% Act% |
| 63.00 | 100.00 100.00 |
| 76.00 | 25.70 74.68# |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060119.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (0.000) 0.128 ppbv

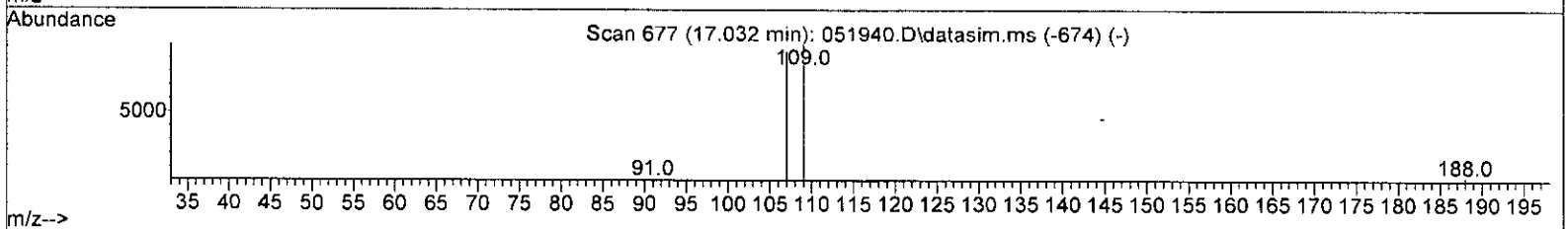
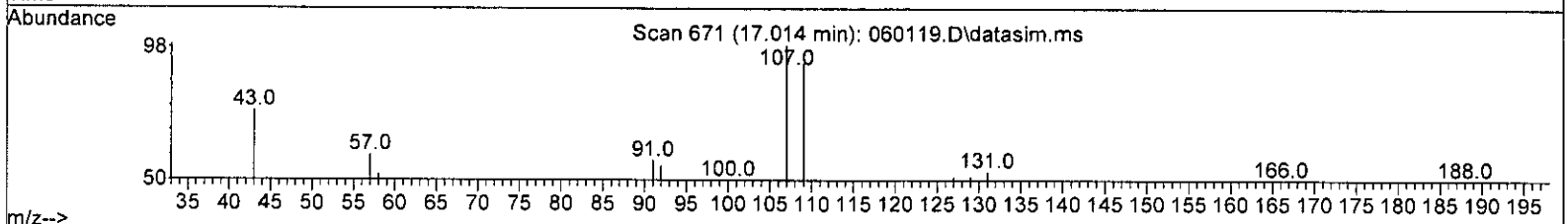
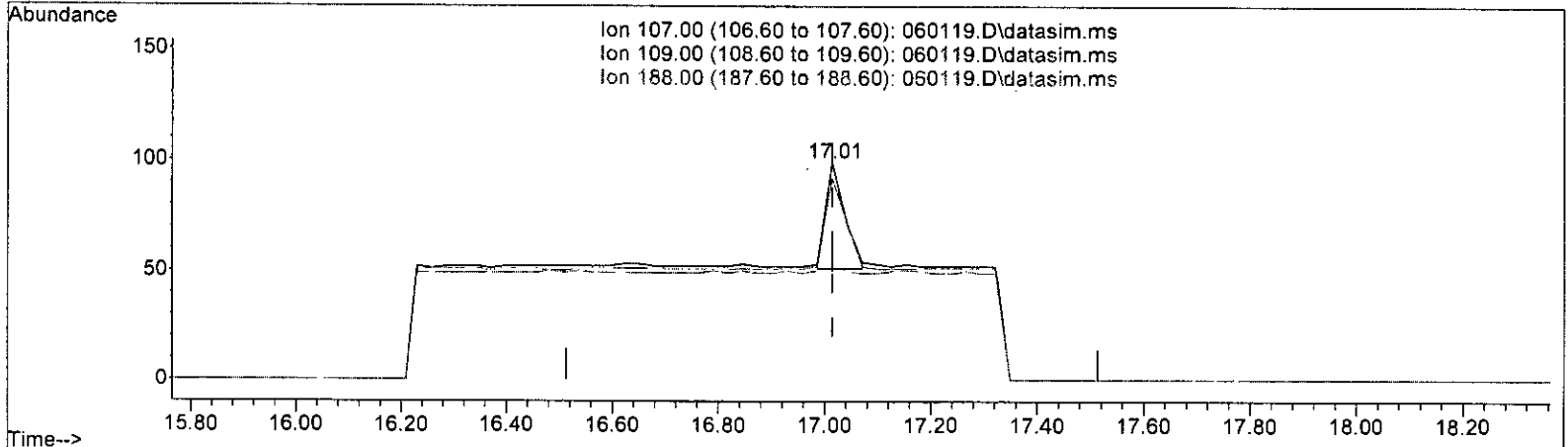
| response | 1209 |
|----------|---------------|
| Ion | Exp% Act% |
| 107.00 | 100.00 100.00 |
| 109.00 | 104.60 92.93 |
| 188.00 | 2.70 50.51# |
| 0.00 | 0.00 0.00 |

6/6 SM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv TO15 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601TO15ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060119.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (0.000) 0.013 ppbv m

| response | 119 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 92.93 |
| 188.00 | 2.70 | 50.51# |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: dlo

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | -1.000 | 0.000 | 0.0 | 0 | -3.41# |
| 3 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -3.48# |
| 4 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -3.69# |
| 5 TMP F-114 | -1.000 | 0.000 | 0.0 | 0 | -3.88# |
| 6 TMP Vinyl chloride | -1.000 | 0.000 | 0.0 | 0 | -4.01# |
| 7 TMP 1,3-Butadiene | -1.000 | 0.000 | 0.0 | 0 | -4.21# |
| 8 TMP Butane | -1.000 | 0.000 | 0.0 | 0 | -4.28# |
| 9 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -4.56# |
| 10 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -4.80# |
| 11 TMP Vinyl bromide | -1.000 | 0.000 | 0.0 | 0 | -5.26# |
| 12 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -4.96# |
| 13 TMP Acrolein | -1.000 | 0.000 | 0.0 | 0 | -5.38# |
| 14 TMP Pentane | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 15 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -5.82# |
| 16 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -5.54# |
| 17 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -5.78# |
| 18 TMP 1,1-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -6.65# |
| 19 TMP trans-1,2-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -8.07# |
| 20 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -6.57# |
| 22 TMP 3-Chloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.93# |
| 23 TMP CFC-113 | -1.000 | 0.000 | 0.0 | 0 | -7.15# |
| 24 TMP Carbon disulfide | -1.000 | 0.000 | 0.0 | 0 | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | -1.000 | 0.000 | 0.0 | 0 | -8.41# |
| 26 TMP Vinyl acetate | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 27 TMP 1,1-Dichloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.33# |
| 28 TMP cis-1,2-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -9.60# |
| 29 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -9.99# |
| 30 TMP Chloroform | 0.010 | 0.012 | -20.0 | 100 | 0.00 |
| 31 TMP Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | -9.90# |
| 32 TMP Tetrahydrofuran | -1.000 | 0.000 | 0.0 | 0 | -10.72# |
| 33 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.010 | 0.011 | -10.0 | 108 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -11.79# |
| 36 TMP Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -12.83# |
| 37 TMP Benzene | -1.000 | 0.000 | 0.0 | 0 | -12.58# |
| 38 TMP Cyclohexane | -1.000 | 0.000 | 0.0 | 0 | -13.05# |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.010 | 0.011 | -10.0 | 83 | 0.00 |
| 41 TMP 1,4-Dioxane | -1.000 | 0.000 | 0.0 | 0 | -14.07# |
| 42 TMP 2,2,4-Trimethylpentane | -1.000 | 0.000 | 0.0 | 0 | -14.21# |
| 43 TMP Methyl methacrylate | -1.000 | 0.000 | 0.0 | 0 | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 S5 method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | -1.000 | 0.000 | 0.0 | 0 | -14.53# |
| 45 TMP Bromodichloromethane | 0.010 | 0.011 | -10.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.010 | 0.012 | -20.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -15.78# |
| 50 TMP Toluene | -1.000 | 0.000 | 0.0 | 0 | -16.31# |
| 51 TMP 1,1,2-Trichloroethane | 0.010 | 0.011 | -10.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -16.56# |
| 53 TMP Tetrachloroethene | -1.000 | 0.000 | 0.0 | 0 | -17.52# |
| 54 TMP Dibromochloromethane | 0.010 | 0.011 | -10.0 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.010 | 0.013 | -30.0 | 97 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -18.17# |
| 58 TMP Ethylbenzene | 0.010 | 0.013 | -30.0 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.010 | 0.012 | -20.0 | 100 | 0.00 |
| 60 TMP Nonane | -1.000 | 0.000 | 0.0 | 0 | -19.32# |
| 61 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -19.72# |
| 62 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -20.17# |
| 63 TMP Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.19# |
| 64 TMP 4-Ethyltoluene | -1.000 | 0.000 | 0.0 | 0 | -20.33# |
| 65 TMP m,p-Xylene | -1.000 | 0.000 | 0.0 | 0 | -18.70# |
| 66 TMP o-Xylene | -1.000 | 0.000 | 0.0 | 0 | -19.15# |
| 67 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -19.05# |
| 68 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -18.80# |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.951 | 0.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.010 | 0.009 | 10.0 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -20.99# |
| 74 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -21.05# |
| 75 TMP 1,2-Dichlorobenzene | -1.000 | 0.011 | 0.0 | 0 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -23.67# |
| 77 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -23.86# |
| 78 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -24.44# |

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

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCM57 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 0.000 | 100.0# | 0# | -3.41# |
| 3 TMP Dichlorodifluoromethane | 4.308 | 0.000# | 100.0# | 0# | -3.48# |
| 4 TMP Chloromethane | 1.772 | 0.000# | 100.0# | 0# | -3.69# |
| 5 TMP F-114 | 4.259 | 0.000 | 100.0# | 0# | -3.88# |
| 6 TMP Vinyl chloride | 1.849 | 0.000# | 100.0# | 0# | -4.01# |
| 7 TMP 1,3-Butadiene | 1.211 | 0.000 | 100.0# | 0# | -4.21# |
| 8 TMP Butane | 2.441 | 0.000 | 100.0# | 0# | -4.28# |
| 9 TMP Bromomethane | 1.588 | 0.000# | 100.0# | 0# | -4.56# |
| 10 TMP Chloroethane | 0.685 | 0.000# | 100.0# | 0# | -4.80# |
| 11 TMP Vinyl bromide | 1.655 | 0.000 | 100.0# | 0# | -5.26# |
| 12 TMP Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP Acrolein | 0.664 | 0.000 | 100.0# | 0# | -5.38# |
| 14 TMP Pentane | 2.765 | 0.000# | 100.0# | 0# | -6.25# |
| 15 TMP Trichlorofluoromethane | 4.466 | 0.000# | 100.0# | 0# | -5.82# |
| 16 TMP Acetone | 0.652 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP 2-Propanol | 3.342 | 0.000 | 100.0# | 0# | -5.78# |
| 18 TMP 1,1-Dichloroethene | 1.587 | 0.000# | 100.0# | 0# | -6.65# |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 0.000 | 100.0# | 0# | -8.07# |
| 20 TMP Methylene chloride | 1.485 | 0.000# | 100.0# | 0# | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 0.000 | 100.0# | 0# | -6.57# |
| 22 TMP 3-Chloropropene | 2.167 | 0.000 | 100.0# | 0# | -6.93# |
| 23 TMP CFC-113 | 3.396 | 0.000 | 100.0# | 0# | -7.15# |
| 24 TMP Carbon disulfide | 5.043 | 0.000 | 100.0# | 0# | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 0.000# | 100.0# | 0# | -8.41# |
| 26 TMP Vinyl acetate | 4.333 | 0.000# | 100.0# | 0# | -8.51# |
| 27 TMP 1,1-Dichloroethane | 3.411 | 0.000# | 100.0# | 0# | -8.33# |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 0.000# | 100.0# | 0# | -9.60# |
| 29 TMP Hexane | 2.070 | 0.000 | 100.0# | 0# | -9.99# |
| 30 TMP Chloroform | 4.005 | 4.913 | -22.7 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 0.000 | 100.0# | 0# | -9.90# |
| 32 TMP Tetrahydrofuran | 1.847 | 0.000 | 100.0# | 0# | -10.72# |
| 33 TMP 2-Butanone (MEK) | 0.554 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.922 | -13.9 | 108 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 0.000# | 100.0# | 0# | -11.79# |
| 36 TMP Carbon tetrachloride | 3.536 | 0.000# | 100.0# | 0# | -12.83# |
| 37 TMP Benzene | 5.466 | 0.000# | 100.0# | 0# | -12.58# |
| 38 TMP Cyclohexane | 1.355 | 0.000 | 100.0# | 0# | -13.05# |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.652 | -8.5 | 83 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.000 | 100.0# | 0# | -14.07# |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 0.000 | 100.0# | 0# | -14.21# |
| 43 TMP Methyl methacrylate | 0.552 | 0.000 | 100.0# | 0# | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv TO15 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601TO15ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.000 | 100.0# | 0# | -14.53# |
| 45 TMP Bromodichloromethane | 0.974 | 1.076 | -10.5 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.711 | -15.6 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.000 | 100.0# | 0# | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.000 | 100.0# | 0# | -15.78# |
| 50 TMP Toluene | 0.792 | 0.000 | 100.0# | 0# | -16.31# |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.652 | -13.8 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.000# | 100.0# | 0# | -16.56# |
| 53 TMP Tetrachloroethene | 0.486 | 0.000# | 100.0# | 0# | -17.52# |
| 54 TMP Dibromochloromethane | 0.944 | 1.007 | -6.7 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.175 | -25.9 | 97 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 0.000# | 100.0# | 0# | -18.17# |
| 58 TMP Ethylbenzene | 1.738 | 2.212 | -27.3 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.882 | -22.9 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.000 | 100.0# | 0# | -19.32# |
| 61 TMP Isopropylbenzene | 1.497 | 0.000 | 100.0# | 0# | -19.72# |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.000 | 100.0# | 0# | -20.17# |
| 63 TMP Propylbenzene | 3.019 | 0.000 | 100.0# | 0# | -20.19# |
| 64 TMP 4-Ethyltoluene | 1.468 | 0.000 | 100.0# | 0# | -20.33# |
| 65 TMP m,p-Xylene | 0.620 | 0.000# | 100.0# | 0# | -18.70# |
| 66 TMP o-Xylene | 0.527 | 0.000# | 100.0# | 0# | -19.15# |
| 67 TMP Styrene | 0.767 | 0.000# | 100.0# | 0# | -19.05# |
| 68 TMP Bromoform | 0.940 | 0.000# | 100.0# | 0# | -18.80# |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.705 | 0.6 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.282 | 5.2 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 0.000 | 100.0# | 0# | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.000 | 100.0# | 0# | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 0.000 | 100.0# | 0# | -20.99# |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.000 | 100.0# | 0# | -21.05# |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.000 | 100.0# | 0# | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.000 | 100.0# | 0# | -23.67# |
| 77 TMP Naphthalene | 1.229 | 0.000 | 100.0# | 0# | -23.86# |
| 78 TMP Hexachlorobutadiene | 1.103 | 0.000 | 100.0# | 0# | -24.44# |

(#) = Out of Range

SPCC's out = 24 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 23612 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 101289 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 85010 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 59960 | 9.951 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 99.50% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 4) Chloromethane | 0.00 | | 0 | N.D. | d | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | d | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 0.00 | | 0 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13) Acrolein | 0.00 | | 0 | N.D. | | |
| 14) Pentane | 0.00 | | 0 | N.D. | | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 16) Acetone | 0.00 | | 0 | N.D. | | |
| 17) 2-Propanol | 0.00 | | 0 | N.D. | d | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 20) Methylene chloride | 0.00 | | 0 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 0.00 | | 0 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 0.00 | | 0 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | d | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 116 | 0.012 | ppbv | 97 |
| 31) Ethyl acetate | 0.00 | | 0 | N.D. | | |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 69m | 0.011 | ppbv | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | d | |
| 36) Carbon tetrachloride | 0.00 | | 0 | N.D. | d | |
| 37) Benzene | 0.00 | | 0 | N.D. | d | |
| 38) Cyclohexane | 0.00 | | 0 | N.D. | d | |
| 40) 1,2-Dichloropropane | 13.77 | 63 | 66 | N.D. | | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

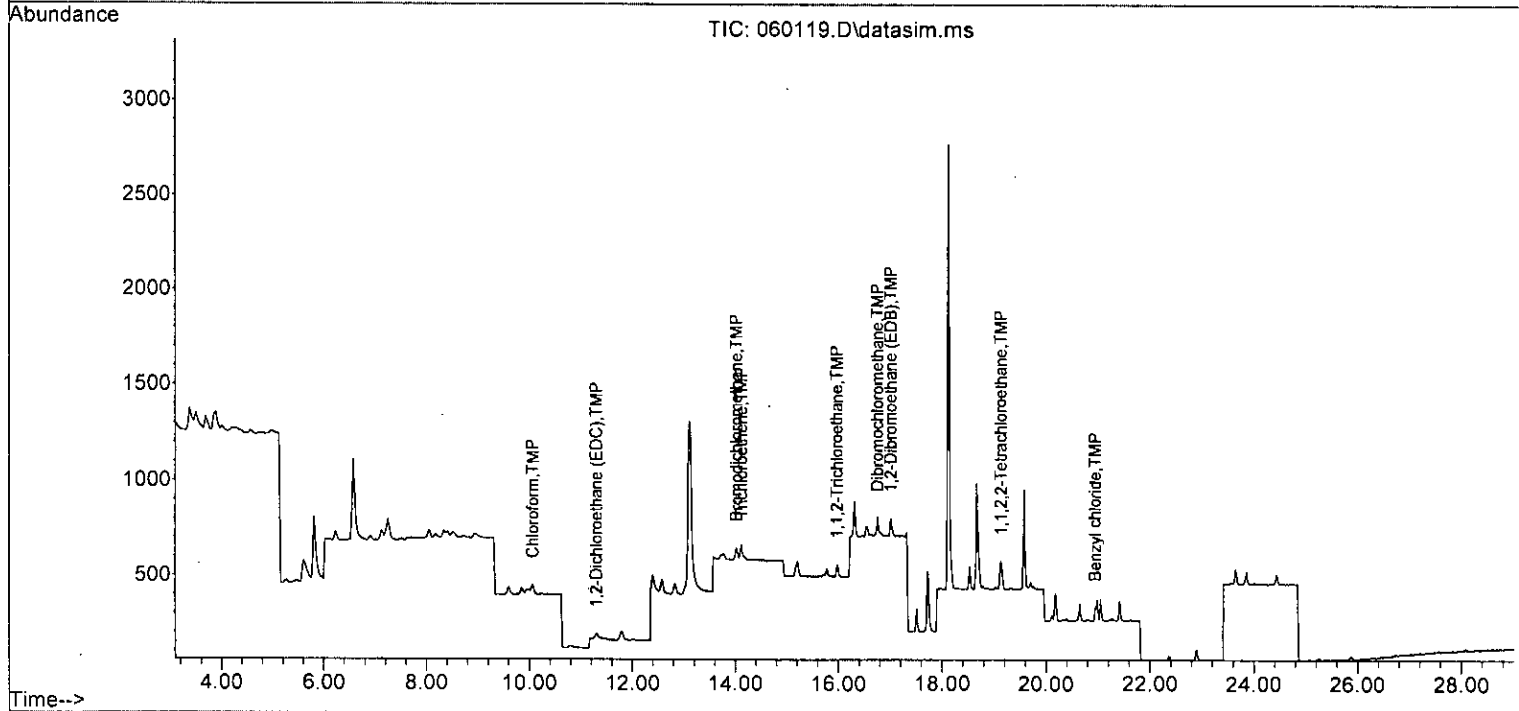
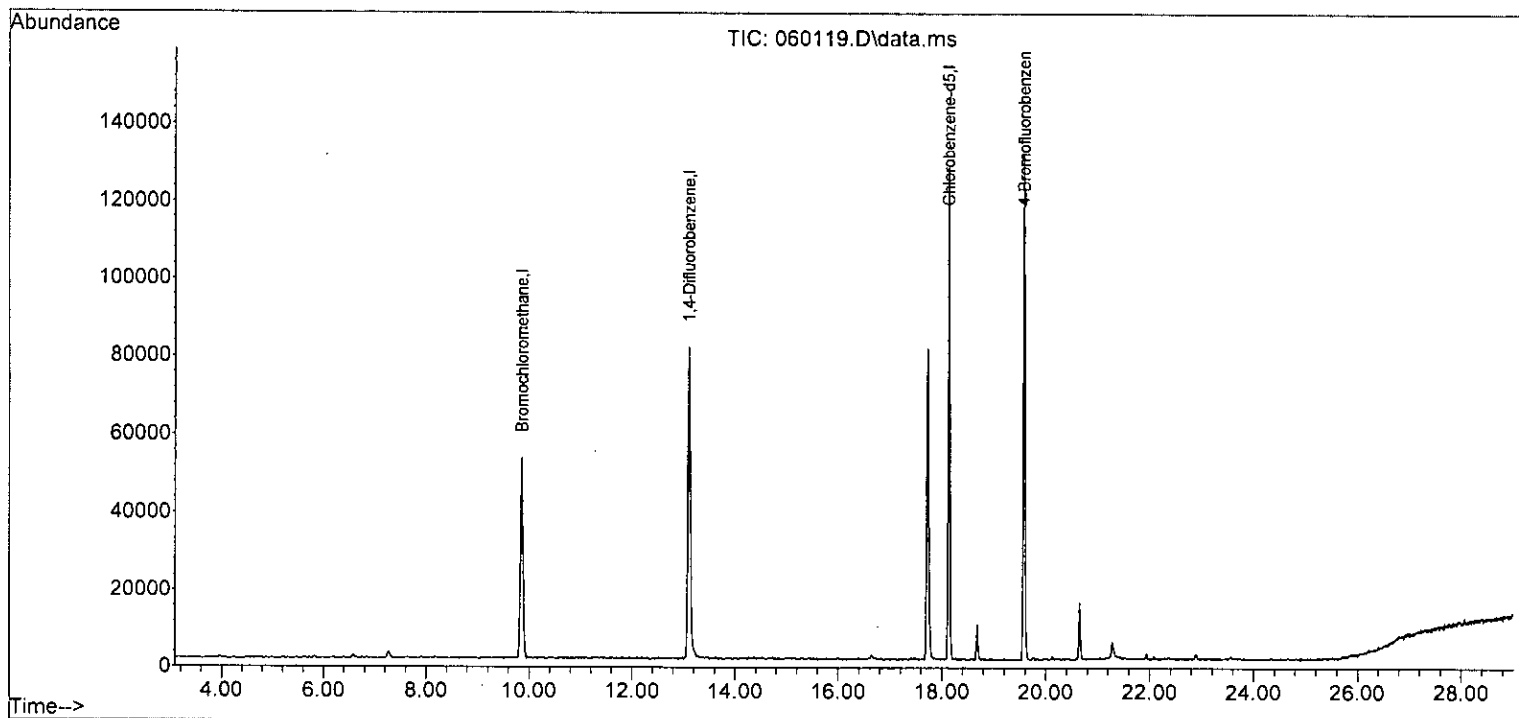
Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | N.D. | d | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | | |
| 44) Heptane | 0.00 | | 0 | N.D. | | |
| 45] Bromodichloromethane | 14.02 | 83 | 109 | 0.011 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 72 | 0.012 | ppbv | 94 |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 50) Toluene | 0.00 | | 0 | N.D. | d | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 66 | 0.011 | ppbv | 93 |
| 52) 2-Hexanone | 0.00 | | 0 | N.D. | | |
| 53) Tetrachloroethene | 0.00 | | 0 | N.D. | d | |
| 54] Dibromochloromethane | 16.76 | 129 | 102 | 0.011 | ppbv | 97 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 119m | 0.013 | ppbv | |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | | |
| 58) Ethylbenzene | 18:53 | 91 | 188 | N.D. | | |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 160 | 0.012 | ppbv | 95 |
| 60) Nonane | 0.00 | | 0 | N.D. | | |
| 61) Isopropylbenzene | 0.00 | | 0 | N.D. | | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | | |
| 63) Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Ethyltoluene | 0.00 | | 0 | N.D. | d | |
| 65) m,p-Xylene | 0.00 | | 0 | N.D. | d | |
| 66) o-Xylene | 0.00 | | 0 | N.D. | d | |
| 67) Styrene | 0.00 | | 0 | N.D. | | |
| 68) Bromoform | 0.00 | | 0 | N.D. | | |
| 70] Benzyl chloride | 20.95 | 91 | 109 | 0.009 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 73) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 75) 1,2-Dichlorobenzene | 21.41 | 146 | 98 | N.D. | | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 77) Naphthalene | 0.00 | | 0 | N.D. | d | |
| 78) Hexachlorobutadiene | 0.00 | | 0 | N.D. | d | |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060119.D
 Acq On : 2 Jun 2023 12:18 am
 Operator : bat
 Sample : 0.01 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

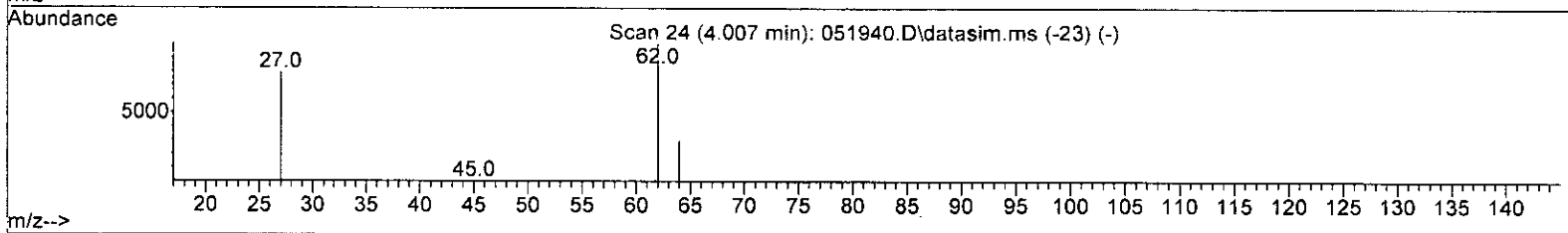
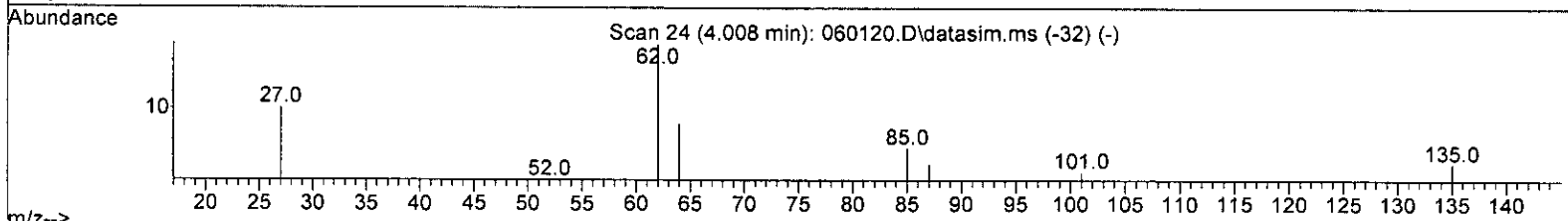
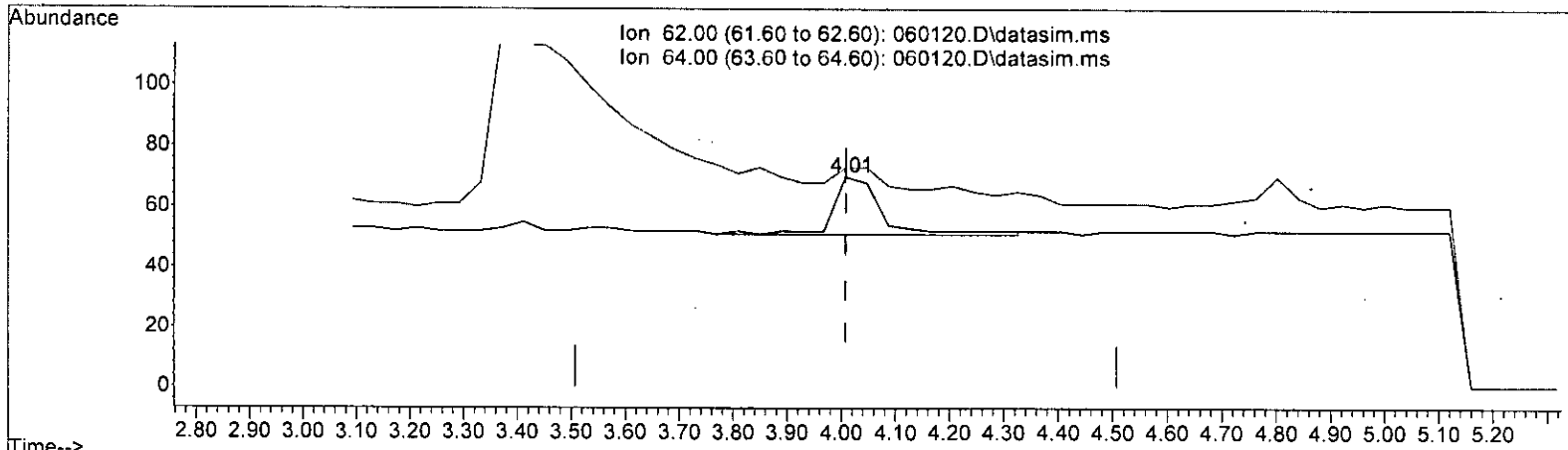
Quant Time: Jun 06 12:00:04 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7.Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(6) Vinyl chloride (TMP)

4.008min (-0.000) 0.027 ppbv *6/6 Jun*

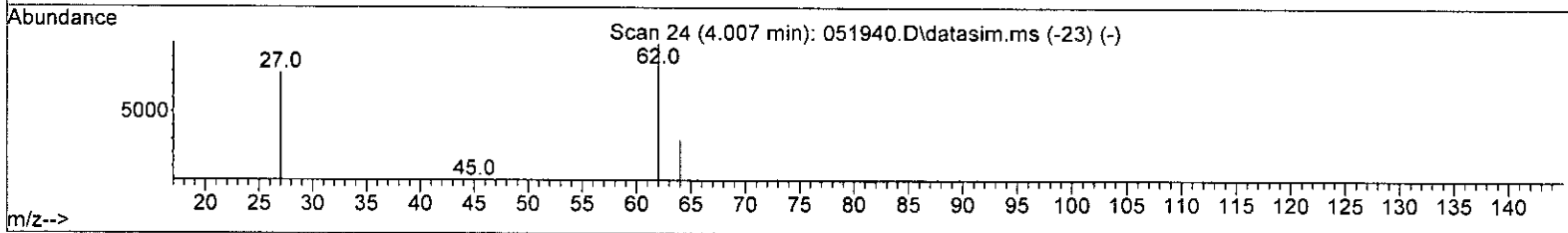
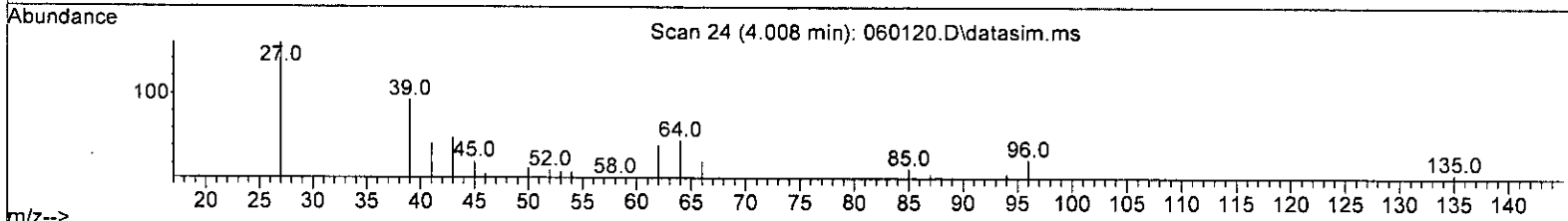
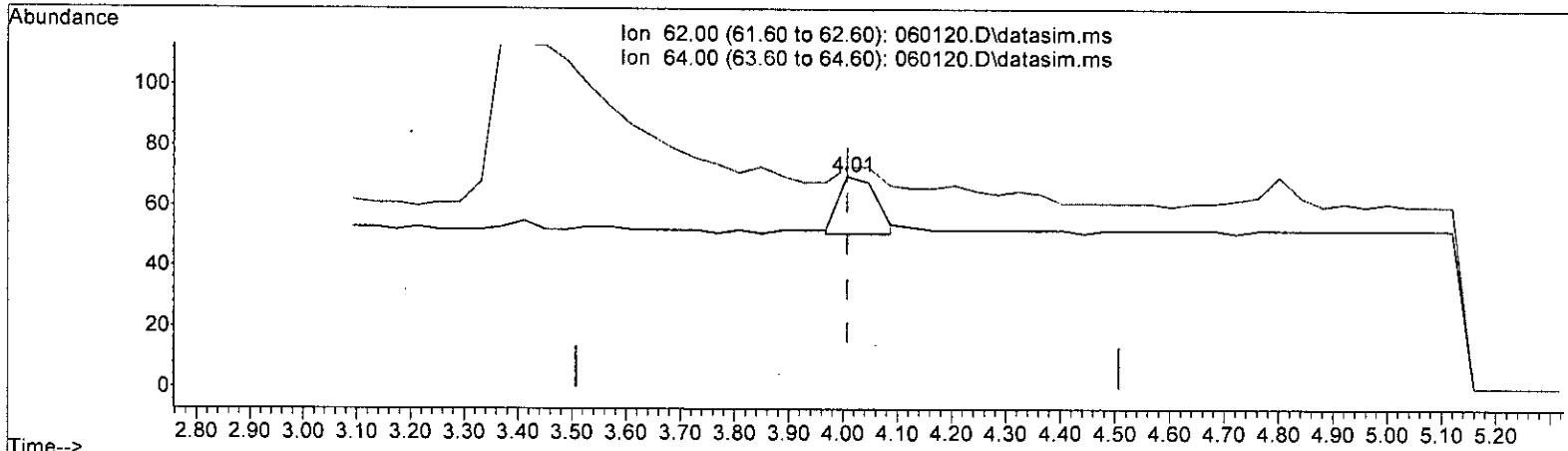
response 119

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.50 | 42.11 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(6) Vinyl chloride (TMP)

4.008min (-0.000) 0.021 ppbv m

response 93

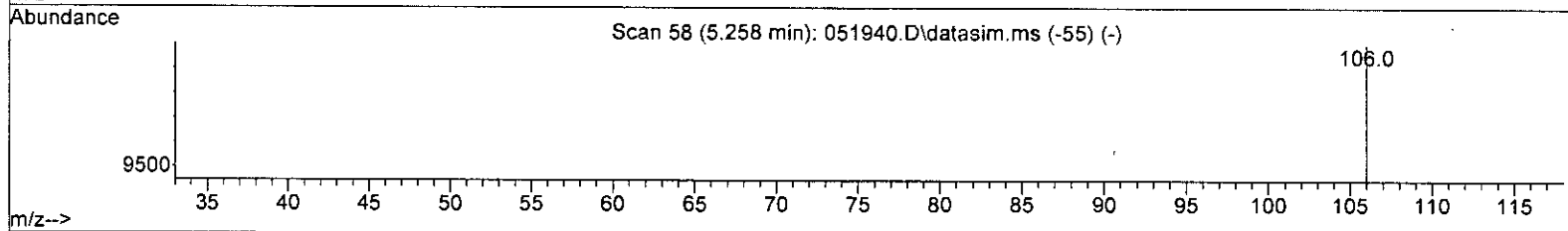
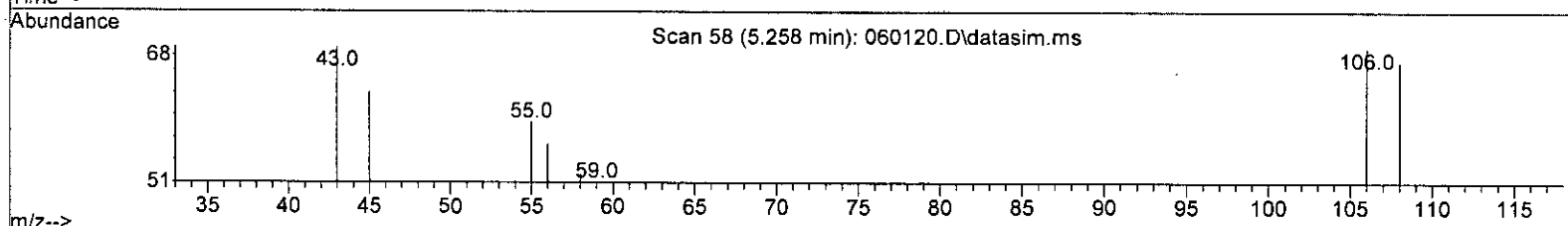
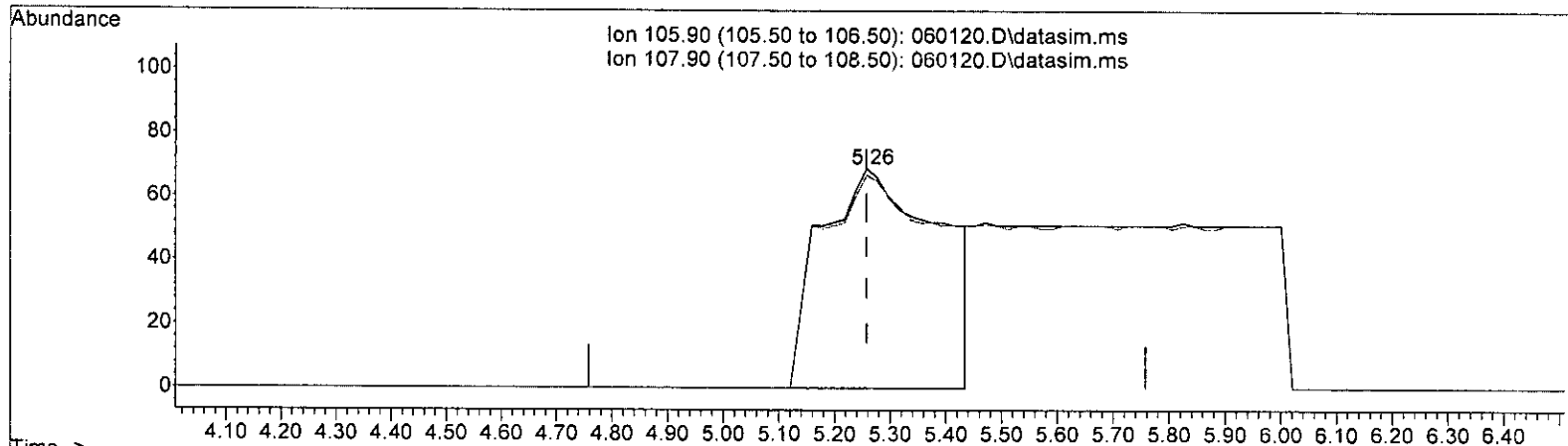
| Ion | Exp% | Act% |
|-------|--------|---------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 31.50 | 104.29# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/6 GM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(11) Vinyl bromide (TMP)

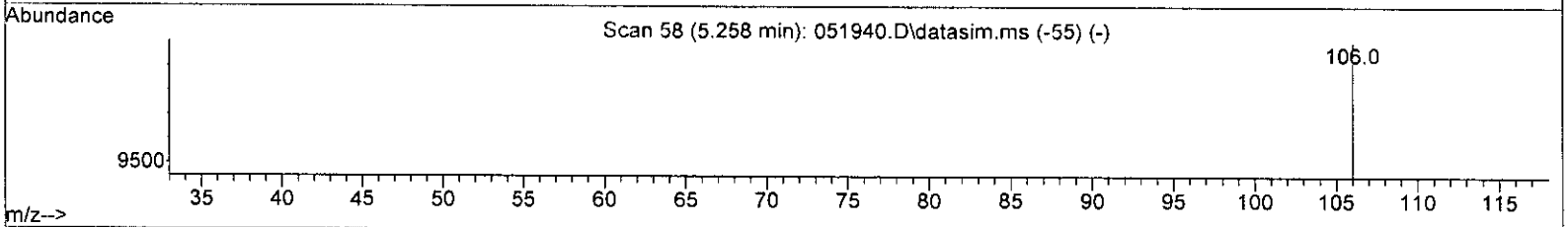
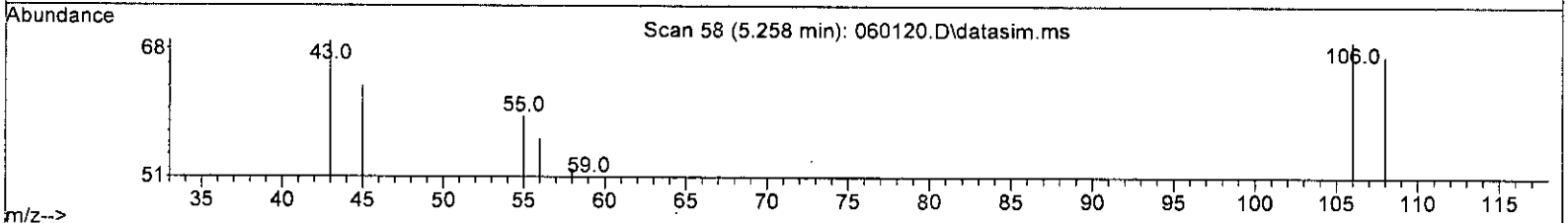
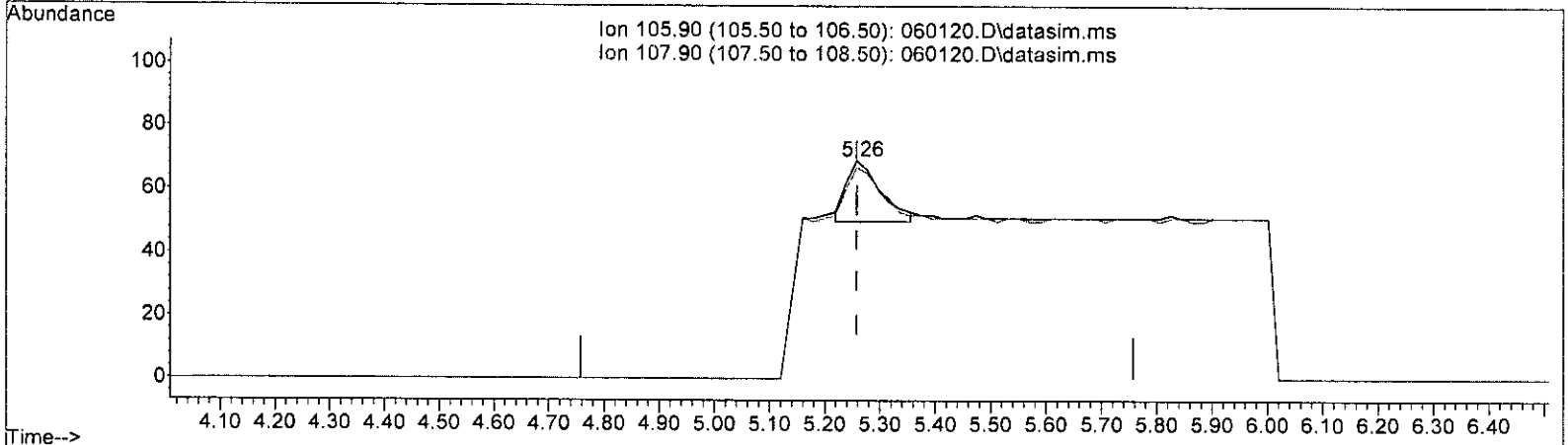
5.258min (-0.000) 0.279 ppbv *6/6 Jun*

| response | 1104 |
|----------|---------------|
| Ion | Exp% Act% |
| 105.90 | 100.00 100.00 |
| 107.90 | 94.10 93.39 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(11) Vinyl bromide (TMP)
 5.258min (-0.000) 0.021 ppbv m

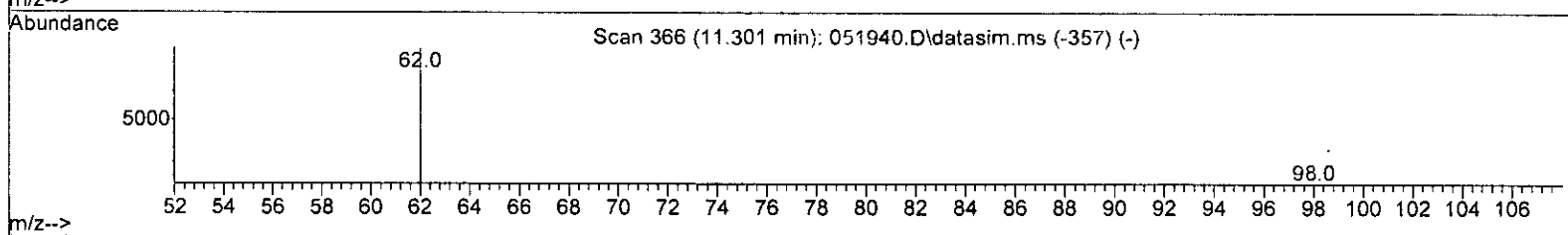
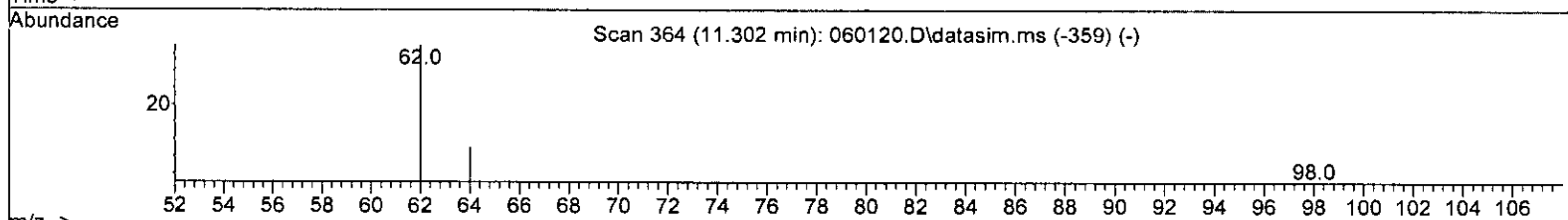
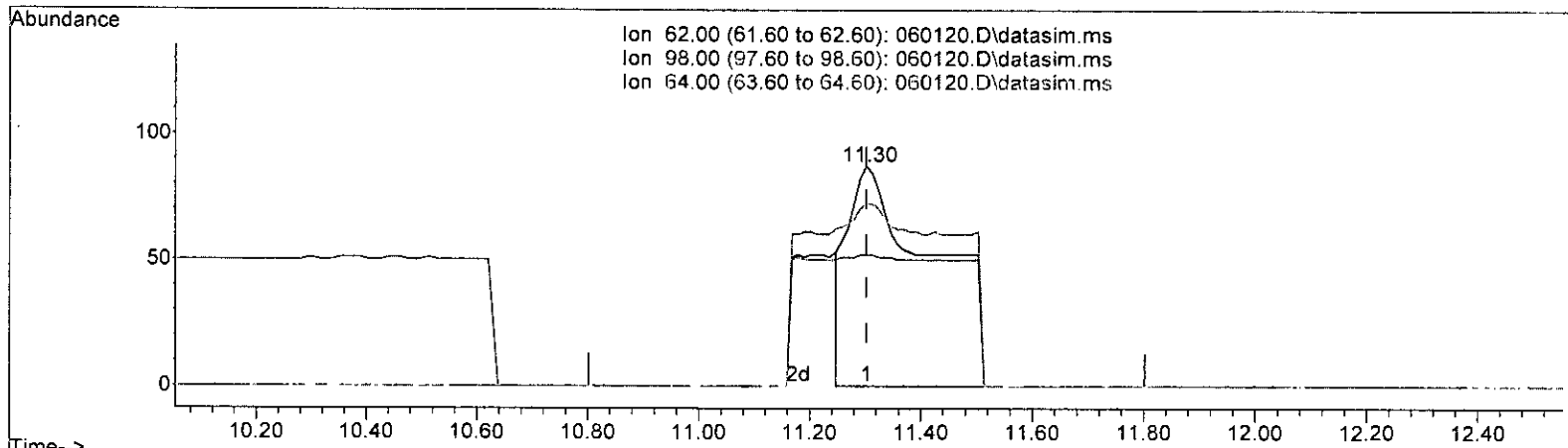
| Ion | Exp% | Act% |
|--------|--------|----------|
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 1257.32# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

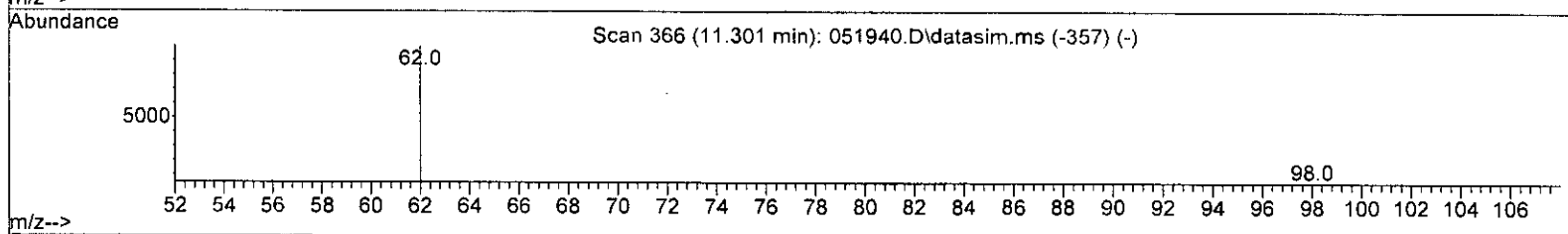
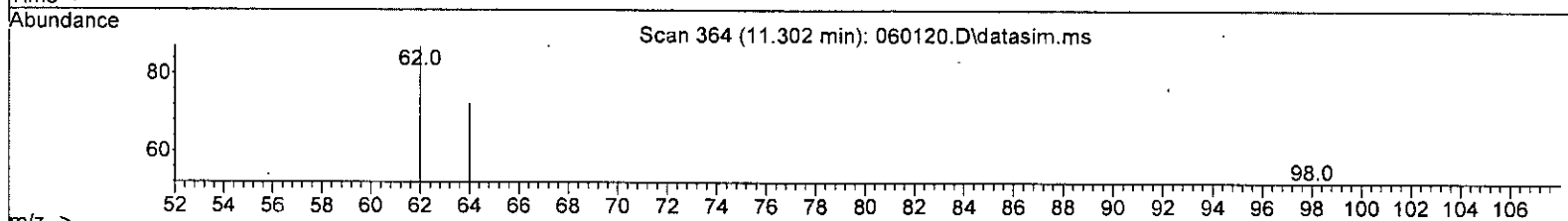
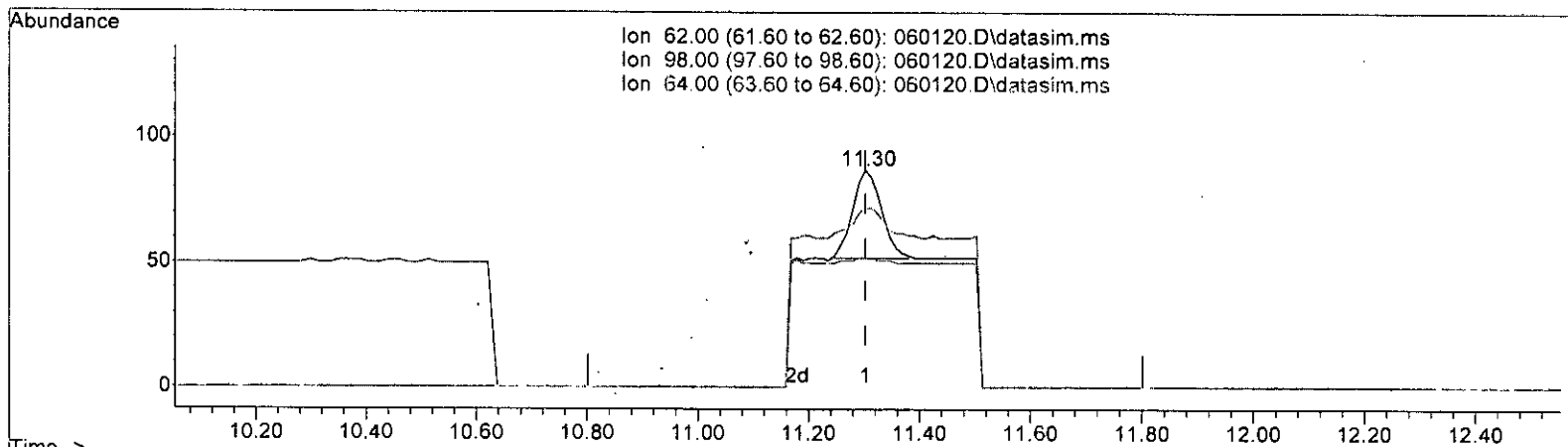
| (34) 1,2-Dichloroethane (EDC) (TMP) | | |
|-------------------------------------|--------|--------|
| 11.302min (+ 0.000) | 0.151 | ppbv |
| response | 926 | |
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 59.77# |
| 64.00 | 33.00 | 82.76# |
| 0.00 | 0.00 | 0.00 |

6/6 BM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.020 ppbv m

response 126

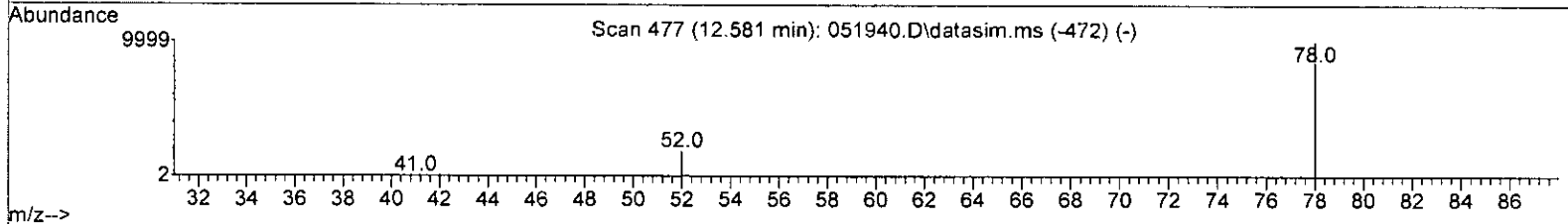
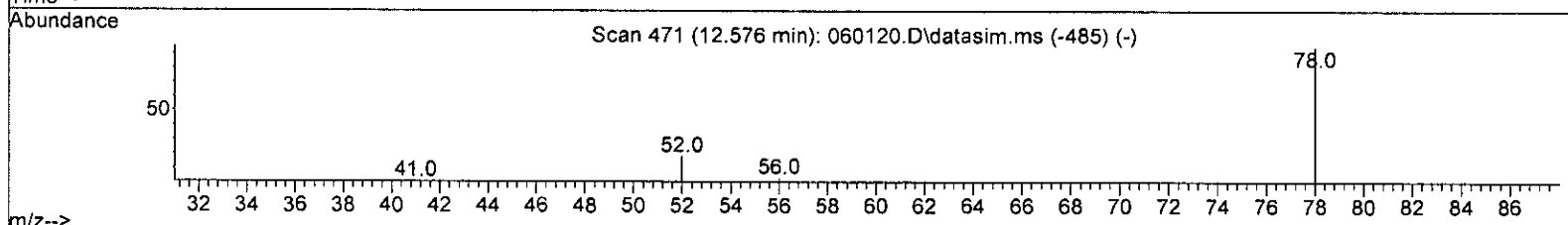
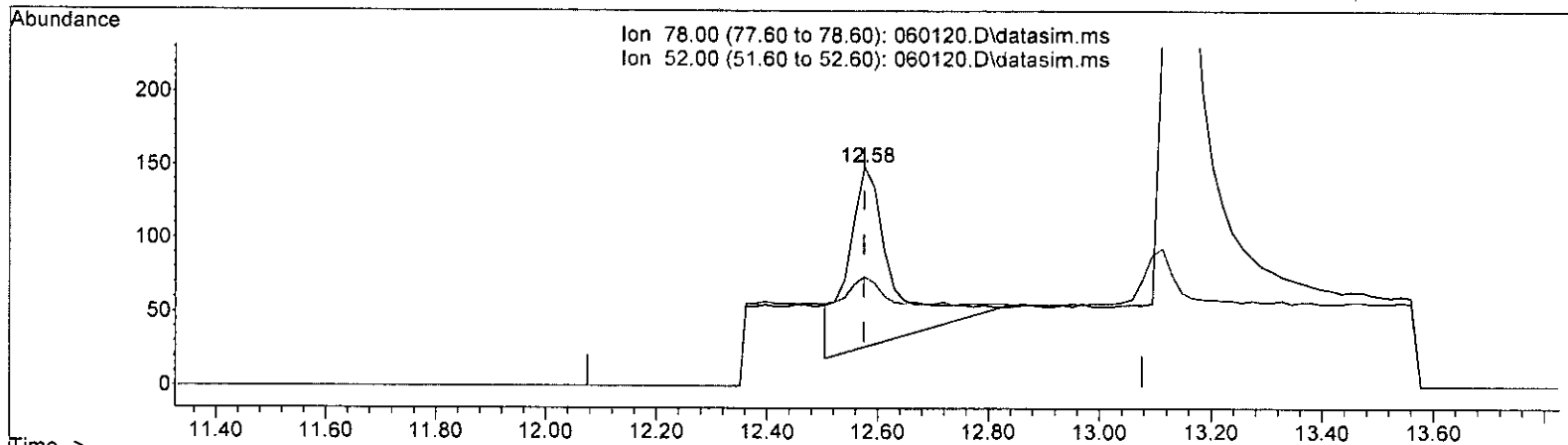
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 59.77# |
| 64.00 | 33.00 | 82.76# |
| 0.00 | 0.00 | 0.00 |

6/6 SM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



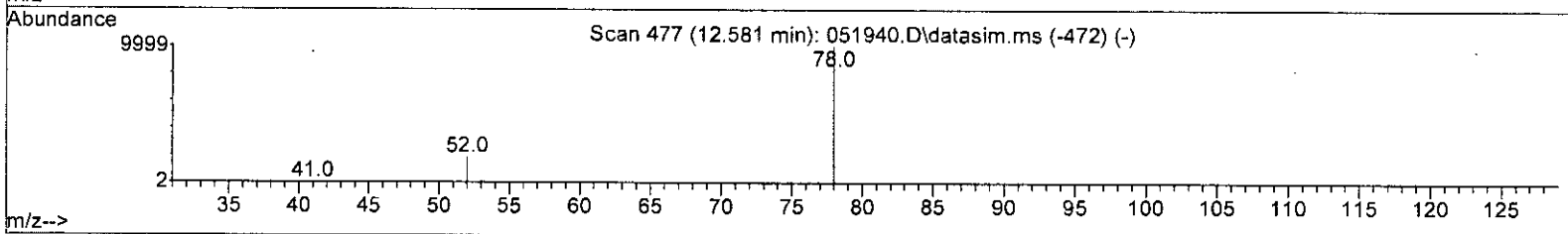
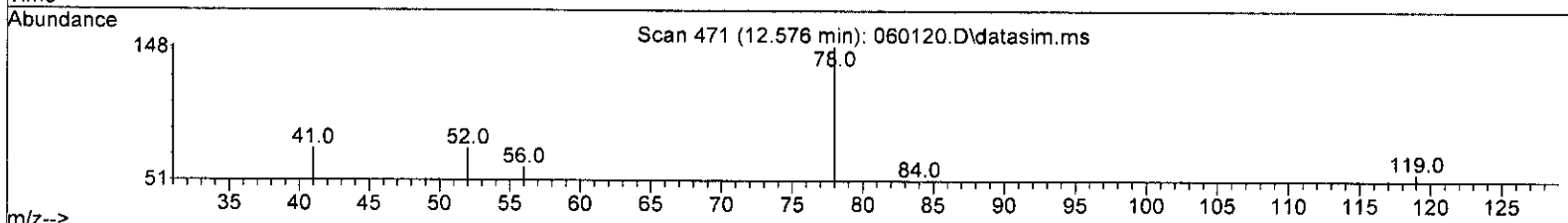
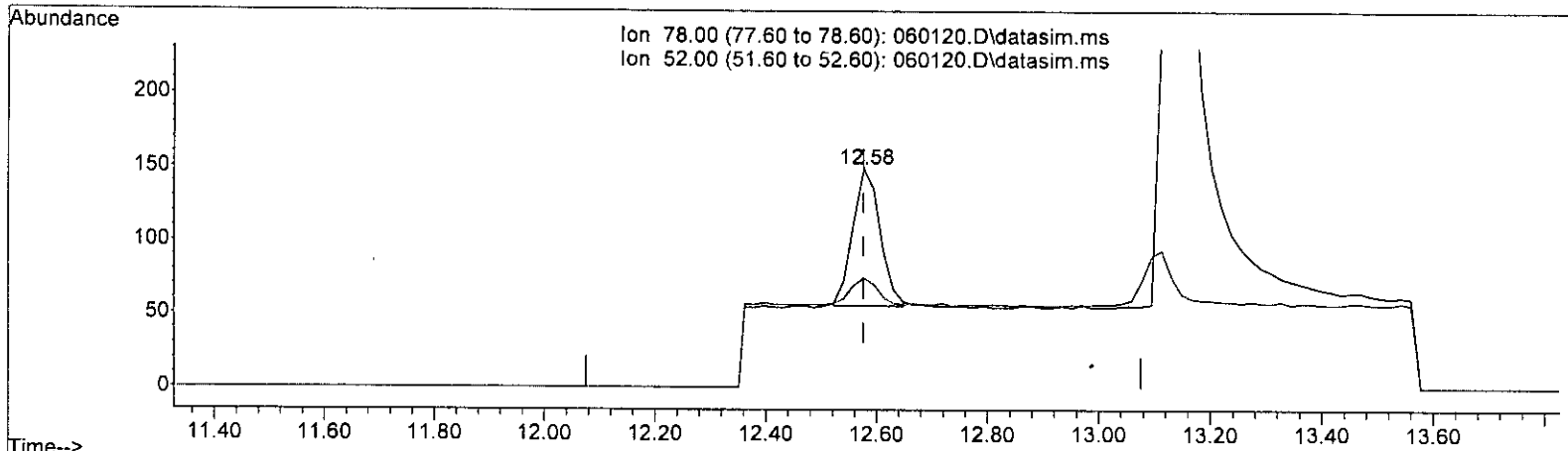
TIC: 060120.D\data.ms

| (37) Benzene (TMP) | | |
|---------------------|------------|---------------|
| 12.576min (+ 0.000) | 0.052 ppbv | <i>6/6 Am</i> |
| response | 680 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 18.95 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

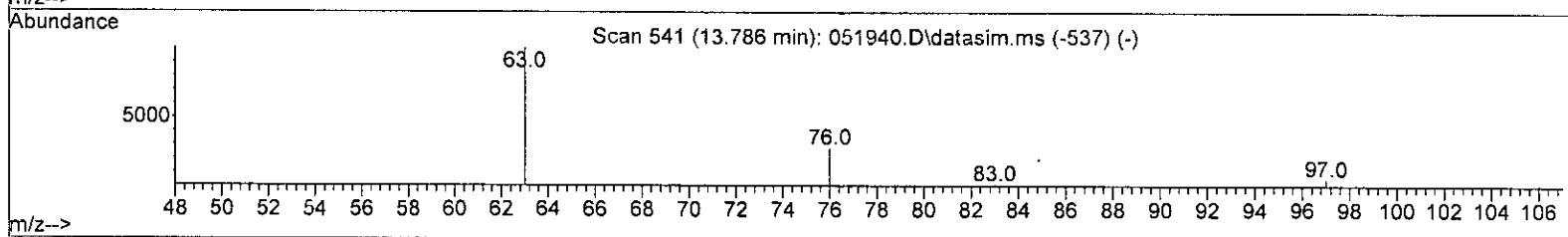
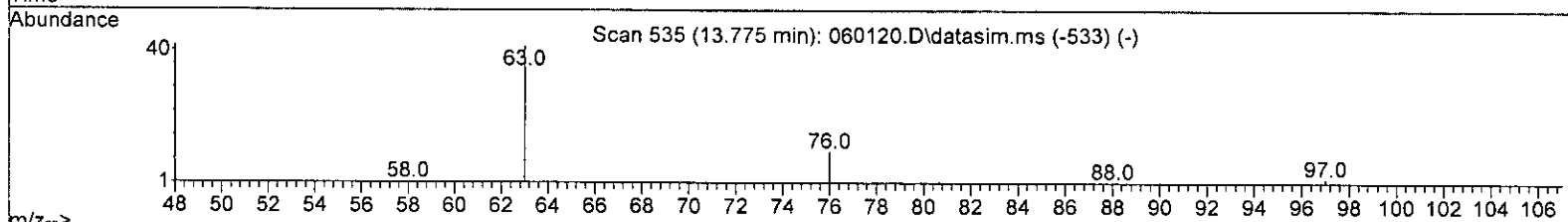
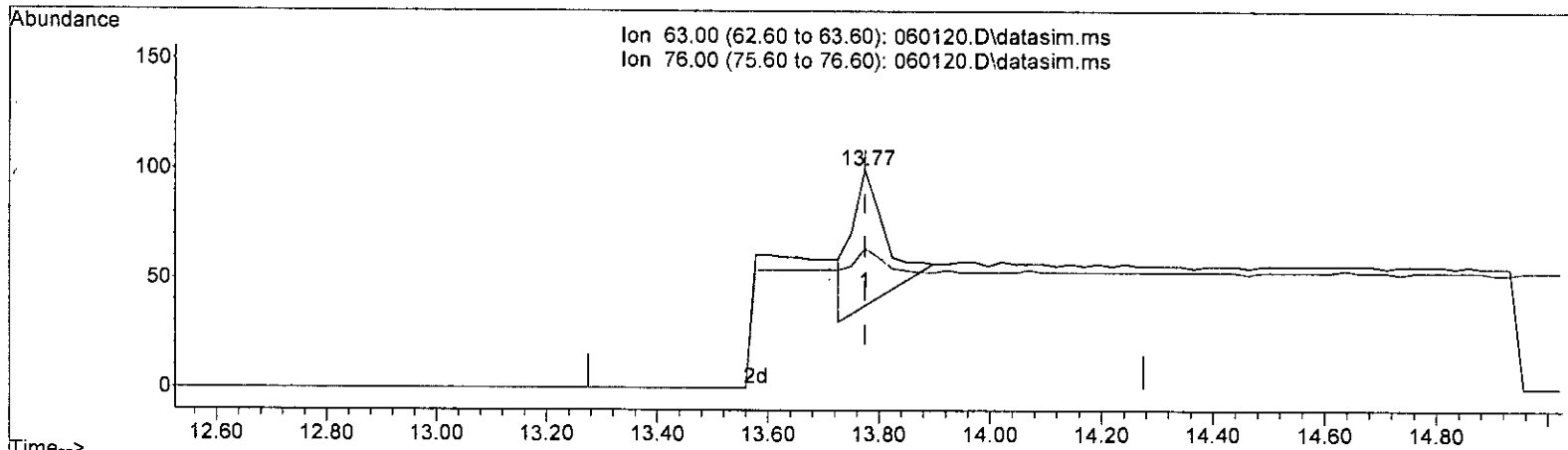
| (37) Benzene (TMP) | | | |
|---------------------|--------------|--------|--|
| 12.576min (+ 0.000) | 0.025 ppbv m | | |
| response | 322 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 49.66 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

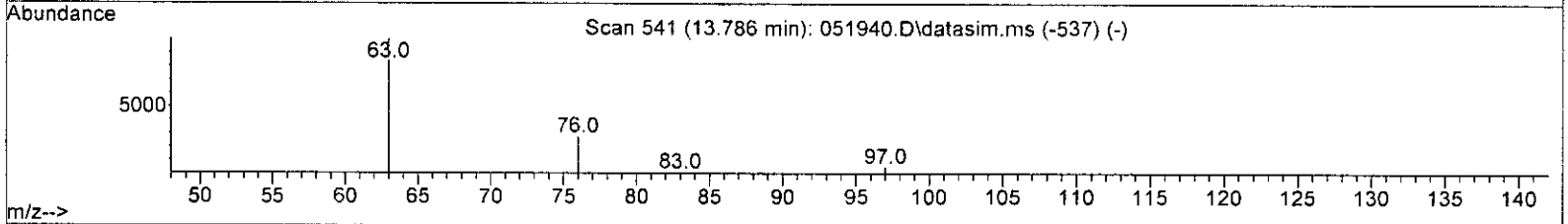
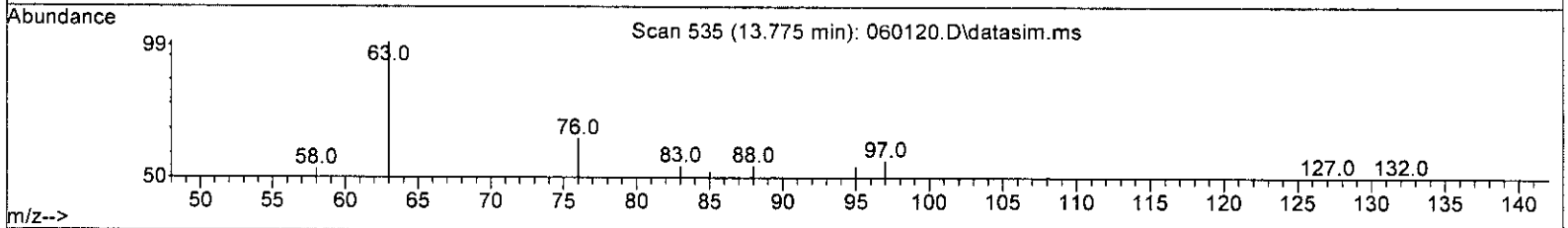
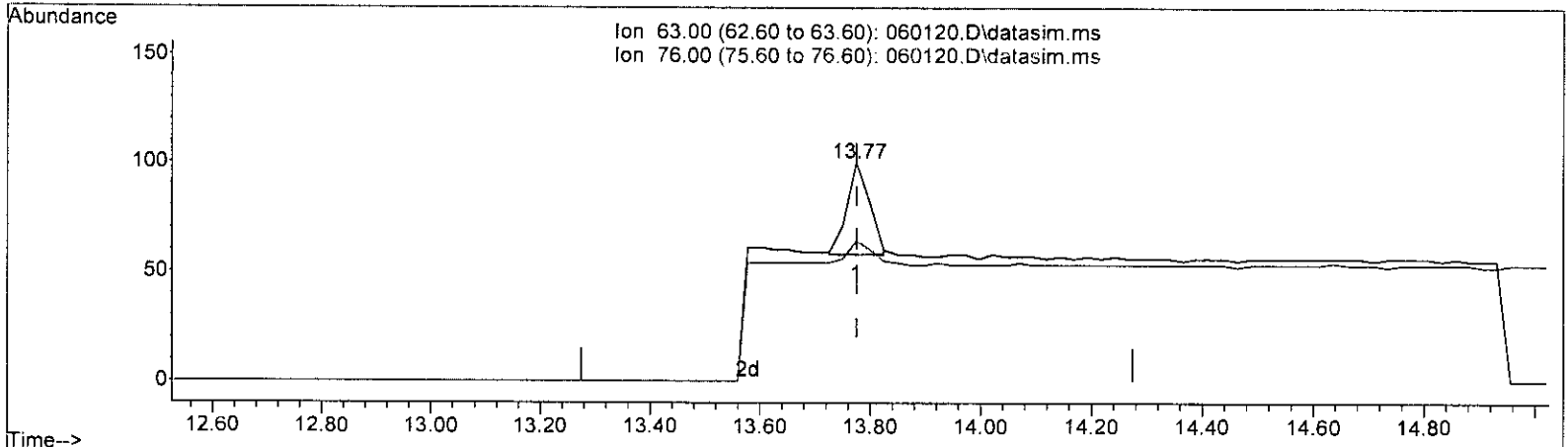
| | | |
|--------------------|---------------------------|--------|
| (40) | 1,2-Dichloropropane (TMP) | |
| 13.775min (-0.000) | 0.043 | ppbv |
| response | 267 | |
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 25.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

0601

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv TO15 69-62-F
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601TO15ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060120.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 0.019 ppbv m

response 118

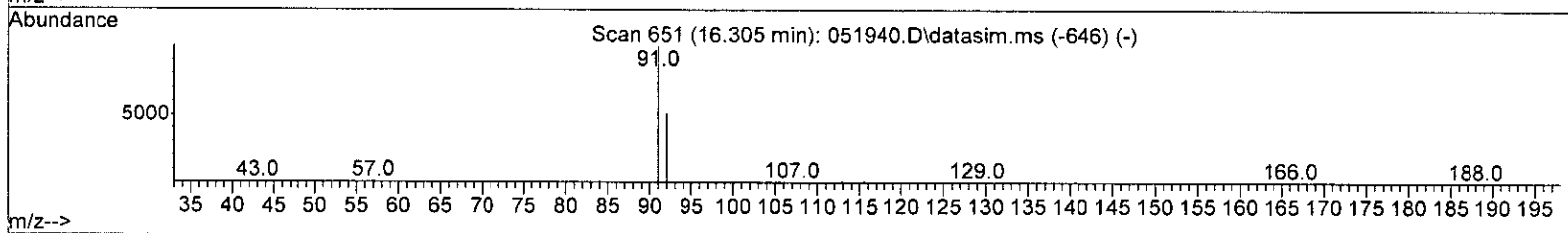
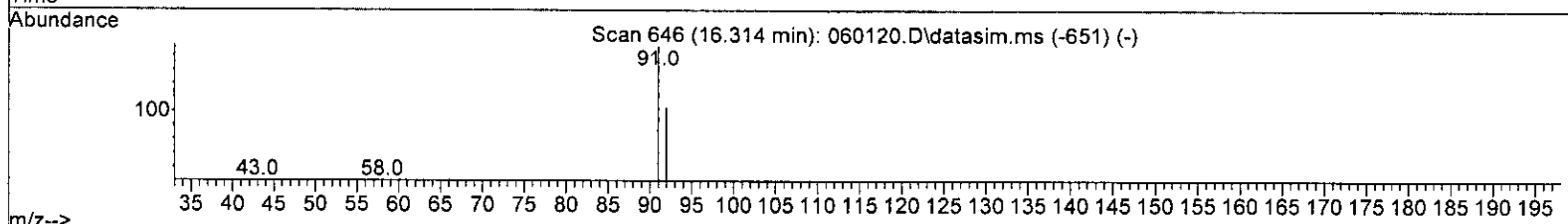
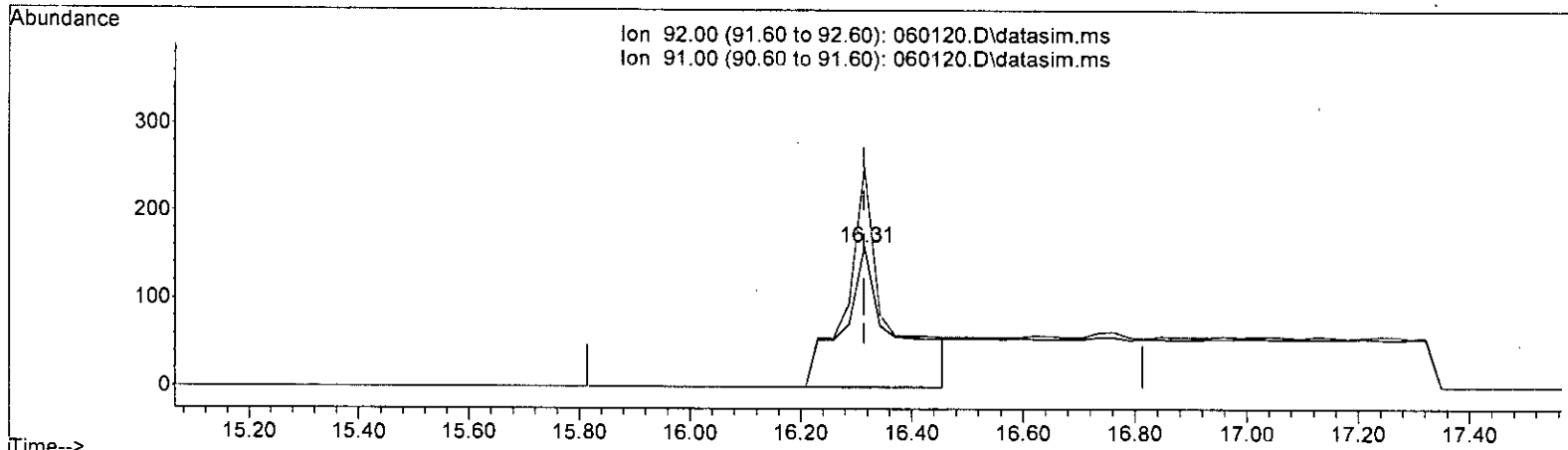
| Ion | Exp% | Act% |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 64.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



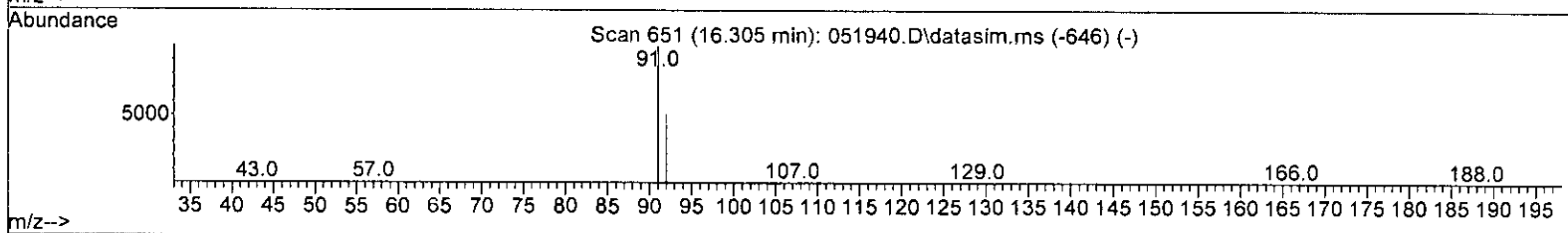
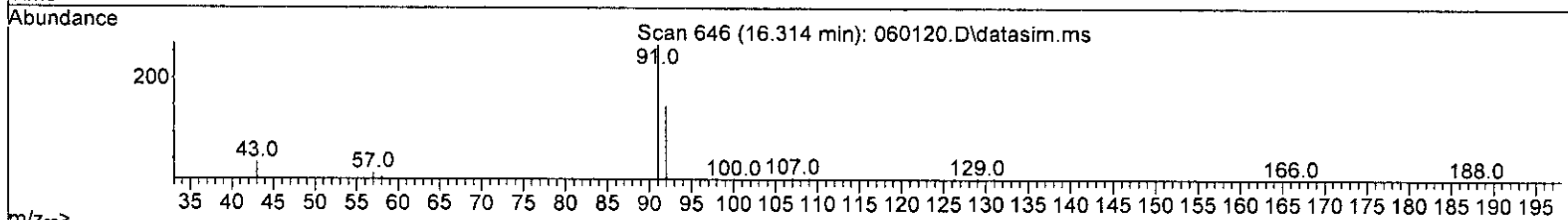
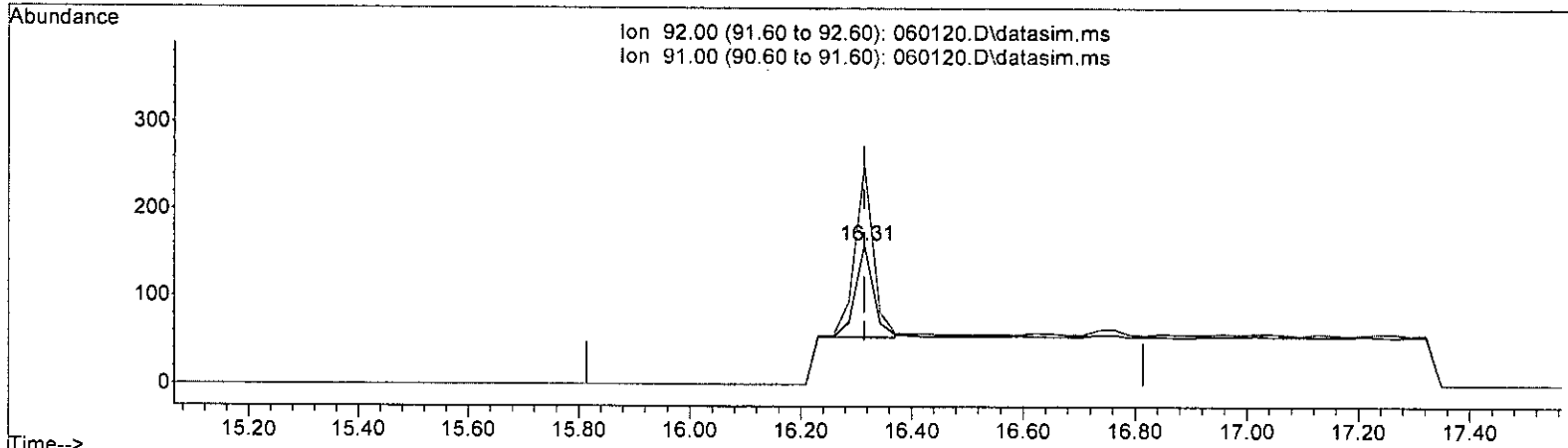
TIC: 060120.D\data.ms

| (50) Toluene (TMP) | | |
|---------------------|------------|------------|
| 16.314min (+ 0.000) | 0.124 ppbv | <i>6/6</i> |
| response | 1009 | <i>SM</i> |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 157.86# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

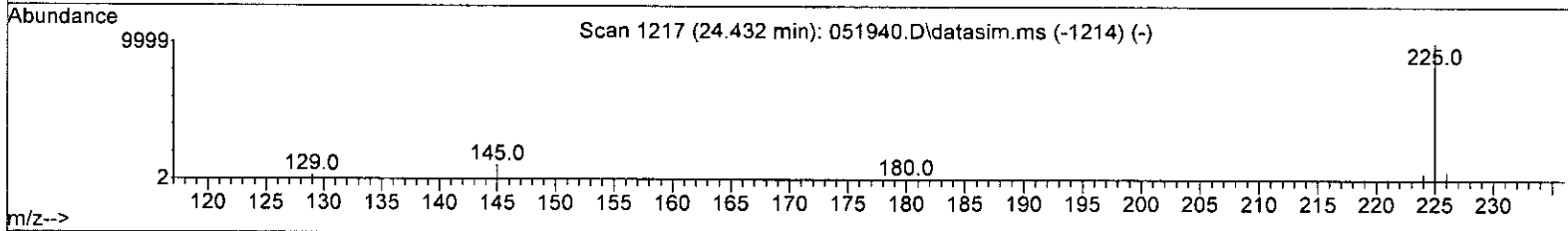
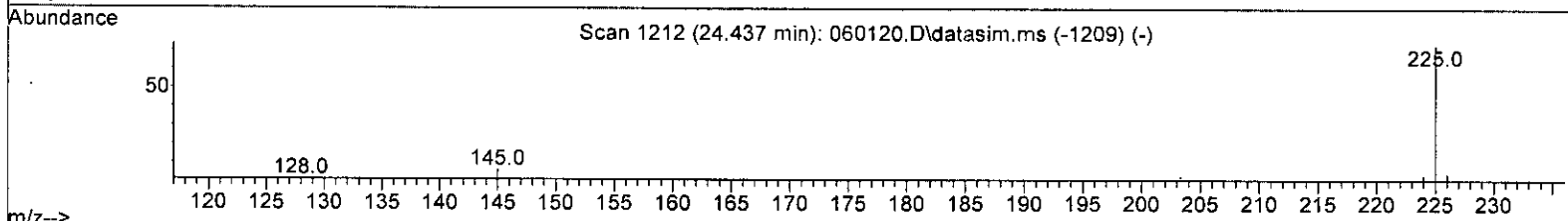
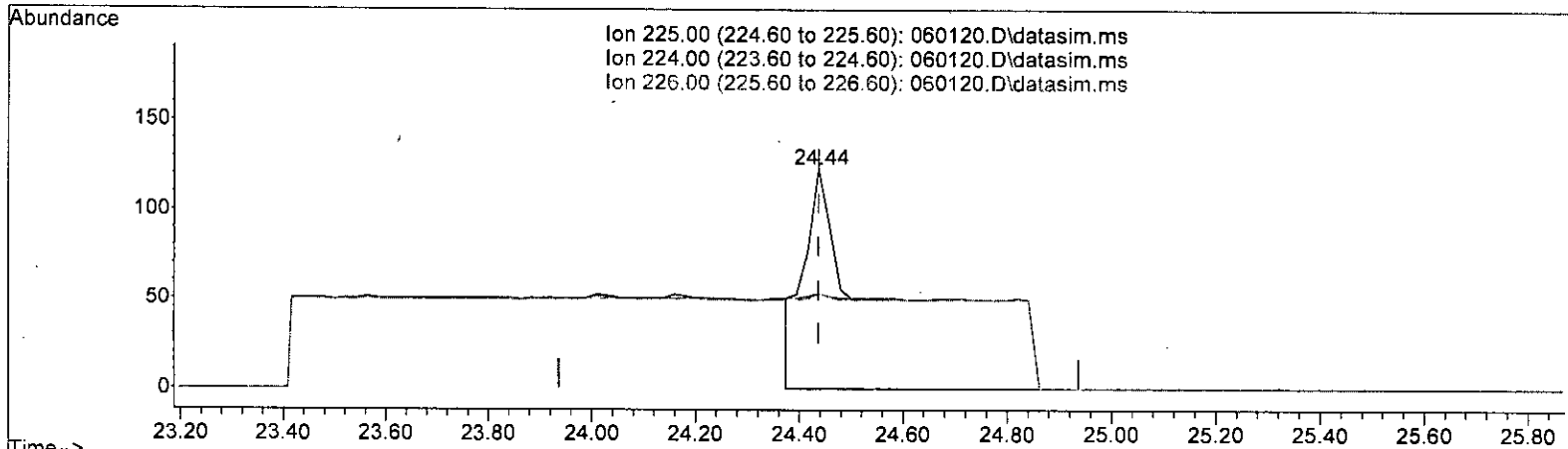
| (50) Toluene (TMP) | | |
|---------------------|--------------|---------|
| 16.314min (+ 0.000) | 0.029 ppbv m | |
| response | 237 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 157.86# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



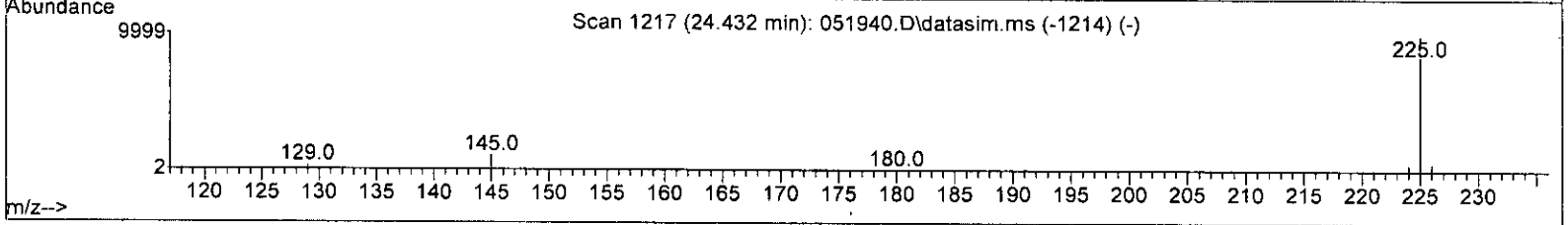
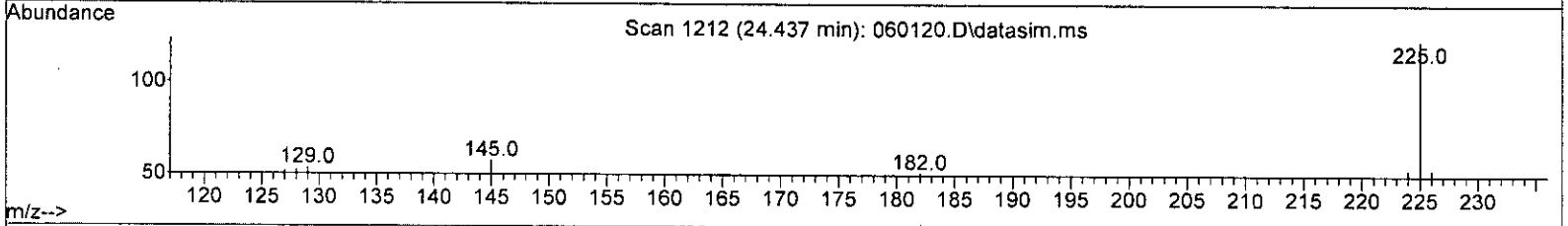
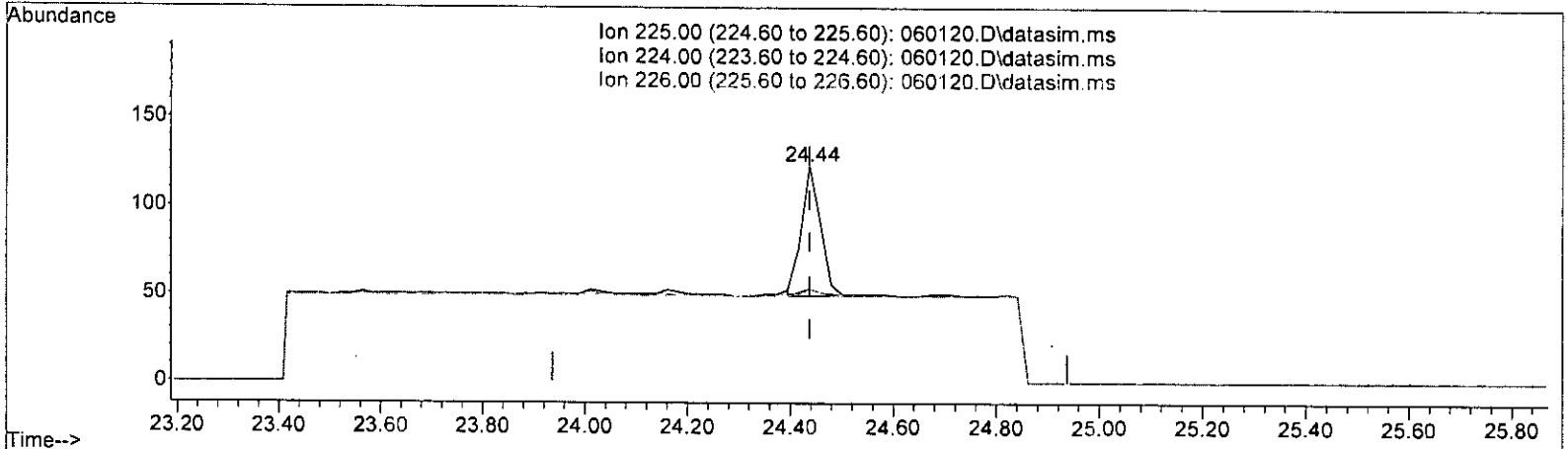
TIC: 060120.D\data.ms

| (78) Hexachlorobutadiene (TMP) | | |
|--------------------------------|------------|----------------|
| 24.437min (-0.000) | 0.162 ppbv | <i>6/6 Jan</i> |
| response | 1530 | |
| Ion | Exp% | Act% |
| 225.00 | 100.00 | 100.00 |
| 224.00 | 3.70 | 43.09# |
| 226.00 | 5.20 | 43.09# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060120.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.437min (-0.000) 0.020 ppbv m

response 191

| Ion | Exp% | Act% |
|--------|--------|--------|
| 225.00 | 100.00 | 100.00 |
| 224.00 | 3.70 | 43.09# |
| 226.00 | 5.20 | 43.09# |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. G. G.

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | -1.000 | 0.000 | 0.0 | 0 | -3.41# |
| 3 TMP Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -3.48# |
| 4 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -3.69# |
| 5 TMP F-114 | -1.000 | 0.000 | 0.0 | 0 | -3.88# |
| 6 TMP Vinyl chloride | 0.020 | 0.021 | -5.0 | 93 | 0.00 |
| 7 TMP 1,3-Butadiene | 0.020 | 0.000 | 100.0# | 0 | -4.21# |
| 8 TMP Butane | -1.000 | 0.000 | 0.0 | 0 | -4.28# |
| 9 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -4.56# |
| 10 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -4.80# |
| 11 TMP Vinyl bromide | 0.020 | 0.021 | -5.0 | 106 | 0.00 |
| 12 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -4.96# |
| 13 TMP Acrolein | 0.020 | 0.000 | 100.0# | 0 | -5.38# |
| 14 TMP Pentane | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 15 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -5.82# |
| 16 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -5.54# |
| 17 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -5.78# |
| 18 TMP 1,1-Dichloroethene | 0.020 | 0.000 | 100.0# | 0 | -6.65# |
| 19 TMP trans-1,2-Dichloroethene | 0.020 | 0.000 | 100.0# | 0 | -8.07# |
| 20 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -6.57# |
| 22 TMP 3-Chloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.93# |
| 23 TMP CFC-113 | 0.020 | 0.000 | 100.0# | 0 | -7.15# |
| 24 TMP Carbon disulfide | -1.000 | 0.000 | 0.0 | 0 | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | -1.000 | 0.000 | 0.0 | 0 | -8.41# |
| 26 TMP Vinyl acetate | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 27 TMP 1,1-Dichloroethane | 0.020 | 0.019 | 5.0 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 0.020 | 0.023 | -15.0 | 100 | 0.00 |
| 29 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -9.99# |
| 30 TMP Chloroform | 0.020 | 0.023 | -15.0 | 112 | 0.00 |
| 31 TMP Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | -9.90# |
| 32 TMP Tetrahydrofuran | -1.000 | 0.000 | 0.0 | 0 | -10.72# |
| 33 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.020 | 0.020 | 0.0 | 91 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 0.020 | 0.020 | 0.0 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 0.020 | 0.020 | 0.0 | 100 | 0.00 |
| 37 TMP Benzene | 0.020 | 0.025 | -25.0 | 94 | 0.00 |
| 38 TMP Cyclohexane | -1.000 | 0.000 | 0.0 | 0 | -13.05# |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.020 | 0.019 | 5.0 | 104 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.020 | 0.000 | 100.0# | 0 | -14.07# |
| 42 TMP 2,2,4-Trimethylpentane | -1.000 | 0.000 | 0.0 | 0 | -14.21# |
| 43 TMP Methyl methacrylate | -1.000 | 0.000 | 0.0 | 0 | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|--------|-------|----------|
| 44 TMP Heptane | -1.000 | 0.000 | 0.0 | 0 | -14.53# |
| 45 TMP Bromodichloromethane | 0.020 | 0.020 | 0.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.020 | 0.023 | -15.0 | 100 | 0.00 |
| 50 TMP Toluene | 0.020 | 0.029 | -45.0# | 98 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -16.56# |
| 53 TMP Tetrachloroethene | -1.000 | 0.000 | 0.0 | 0 | -17.52# |
| 54 TMP Dibromochloromethane | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -18.17# |
| 58 TMP Ethylbenzene | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 60 TMP Nonane | -1.000 | 0.000 | 0.0 | 0 | -19.32# |
| 61 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -19.72# |
| 62 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -20.17# |
| 63 TMP Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.19# |
| 64 TMP 4-Ethyltoluene | -1.000 | 0.000 | 0.0 | 0 | -20.33# |
| 65 TMP m,p-Xylene | 0.040 | 0.056 | -40.0# | 100 | -0.02 |
| 66 TMP o-Xylene | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 67 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -19.05# |
| 68 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -18.80# |
| 69 5 4-Bromofluorobenzene | 10.000 | 9.653 | 3.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.020 | 0.018 | 10.0 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -20.99# |
| 74 TMP 1,4-Dichlorobenzene | 0.020 | 0.021 | -5.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 0.020 | 0.019 | 5.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -23.67# |
| 77 TMP Naphthalene | 0.020 | 0.015 | 25.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 0.020 | 0.020 | 0.0 | 96 | 0.00 |

(#) = Out of Range

5PCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 1.293 | 0.000 | 100.0# | 0# | -3.41# |
| 3 TMP | Dichlorodifluoromethane | 4.308 | 0.000# | 100.0# | 0# | -3.48# |
| 4 TMP | Chloromethane | 1.772 | 0.000# | 100.0# | 0# | -3.69# |
| 5 TMP | F-114 | 4.259 | 0.000 | 100.0# | 0# | -3.88# |
| 6 TMP | Vinyl chloride | 1.849 | 1.941 | -5.0 | 93 | 0.00 |
| 7 TMP | 1,3-Butadiene | 1.211 | 0.000 | 100.0# | 0# | -4.21# |
| 8 TMP | Butane | 2.441 | 0.000 | 100.0# | 0# | -4.28# |
| 9 TMP | Bromomethane | 1.588 | 0.000# | 100.0# | 0# | -4.56# |
| 10 TMP | Chloroethane | 0.685 | 0.000# | 100.0# | 0# | -4.80# |
| 11 TMP | Vinyl bromide | 1.655 | 1.712 | -3.4 | 106 | 0.00 |
| 12 TMP | Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP | Acrolein | 0.664 | 0.000 | 100.0# | 0# | -5.38# |
| 14 TMP | Pentane | 2.765 | 0.000# | 100.0# | 0# | -6.25# |
| 15 TMP | Trichlorofluoromethane | 4.466 | 0.000# | 100.0# | 0# | -5.82# |
| 16 TMP | Acetone | 0.652 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP | 2-Propanol | 3.342 | 0.000 | 100.0# | 0# | -5.78# |
| 18 TMP | 1,1-Dichloroethene | 1.587 | 0.000# | 100.0# | 0# | -6.65# |
| 19 TMP | trans-1,2-Dichloroethene | 1.568 | 0.000 | 100.0# | 0# | -8.07# |
| 20 TMP | Methylene chloride | 1.485 | 0.000# | 100.0# | 0# | -6.75# |
| 21 TMP | t-Butyl alcohol (TBA) | 2.946 | 0.000 | 100.0# | 0# | -6.57# |
| 22 TMP | 3-Chloropropene | 2.167 | 0.000 | 100.0# | 0# | -6.93# |
| 23 TMP | CFC-113 | 3.396 | 0.000 | 100.0# | 0# | -7.15# |
| 24 TMP | Carbon disulfide | 5.043 | 0.000 | 100.0# | 0# | -7.25# |
| 25 TMP | Methyl t-butyl ether (MTBE) | 3.565 | 0.000# | 100.0# | 0# | -8.41# |
| 26 TMP | Vinyl acetate | 4.333 | 0.000# | 100.0# | 0# | -8.51# |
| 27 TMP | 1,1-Dichloroethane | 3.411 | 3.256 | 4.5 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 1.704 | 1.920 | -12.7 | 100 | 0.00 |
| 29 TMP | Hexane | 2.070 | 0.000 | 100.0# | 0# | -9.99# |
| 30 TMP | Chloroform | 4.005 | 4.530 | -13.1 | 112 | 0.00 |
| 31 TMP | Ethyl acetate | 3.933 | 0.000 | 100.0# | 0# | -9.90# |
| 32 TMP | Tetrahydrofuran | 1.847 | 0.000 | 100.0# | 0# | -10.72# |
| 33 TMP | 2-Butanone (MEK) | 0.554 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.566 | 2.630 | -2.5 | 91 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 3.477 | 3.402 | 2.2 | 100 | 0.00 |
| 36 TMP | Carbon tetrachloride | 3.536 | 3.549 | -0.4 | 100 | 0.00 |
| 37 TMP | Benzene | 5.466 | 6.721 | -23.0 | 94 | 0.00 |
| 38 TMP | Cyclohexane | 1.355 | 0.000 | 100.0# | 0# | -13.05# |
| 39 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 0.601 | 0.573 | 4.7 | 104 | 0.00 |
| 41 TMP | 1,4-Dioxane | 0.265 | 0.000 | 100.0# | 0# | -14.07# |
| 42 TMP | 2,2,4-Trimethylpentane | 1.808 | 0.000 | 100.0# | 0# | -14.21# |
| 43 TMP | Methyl methacrylate | 0.552 | 0.000 | 100.0# | 0# | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.000 | 100.0# | 0# | -14.53# |
| 45 TMP Bromodichloromethane | 0.974 | 0.967 | 0.7 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.651 | -5.9 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.000 | 100.0# | 0# | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.807 | -16.1 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 1.152 | -45.5# | 98 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.617 | -7.7 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.000# | 100.0# | 0# | -16.56# |
| 53 TMP Tetrachloroethene | 0.486 | 0.000# | 100.0# | 0# | -17.52# |
| 54 TMP Dibromochloromethane | 0.944 | 0.996 | -5.5 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.996 | -6.8 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 0.000# | 100.0# | 0# | -18.17# |
| 58 TMP Ethylbenzene | 1.738 | 1.886 | -8.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.664 | -8.7 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.000 | 100.0# | 0# | -19.32# |
| 61 TMP Isopropylbenzene | 1.497 | 0.000 | 100.0# | 0# | -19.72# |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.000 | 100.0# | 0# | -20.17# |
| 63 TMP Propylbenzene | 3.019 | 0.000 | 100.0# | 0# | -20.19# |
| 64 TMP 4-Ethyltoluene | 1.468 | 0.000 | 100.0# | 0# | -20.33# |
| 65 TMP m,p-Xylene | 0.620 | 0.876 | -41.3# | 100 | -0.02 |
| 66 TMP o-Xylene | 0.527 | 0.549 | -4.2 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.000# | 100.0# | 0# | -19.05# |
| 68 TMP Bromoform | 0.940 | 0.000# | 100.0# | 0# | -18.80# |
| 69 5 4-Bromofluorobenzene | 0.709 | 0.684 | 3.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.209 | 10.6 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 0.000 | 100.0# | 0# | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.000 | 100.0# | 0# | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 0.000 | 100.0# | 0# | -20.99# |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.016 | -2.8 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.969 | 4.7 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.000 | 100.0# | 0# | -23.67# |
| 77 TMP Naphthalene | 1.229 | 0.923 | 24.9 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.115 | -1.1 | 96 | 0.00 |

(#) = Out of Range

SPCC's out = 16 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 23953 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 102896 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 85614 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 58576 | 9.653 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 96.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 4) Chloromethane | 0.00 | | 0 | N.D. | d | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6] Vinyl chloride | 4.01 | 62 | 93m | 0.021 | ppbv | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 0.00 | | 0 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11] Vinyl bromide | 5.26 | 106 | 82m | 0.021 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13) Acrolein | 0.00 | | 0 | N.D. | d | |
| 14) Pentane | 0.00 | | 0 | N.D. | | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 16) Acetone | 0.00 | | 0 | N.D. | | |
| 17) 2-Propanol | 0.00 | | 0 | N.D. | d | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 20) Methylene chloride | 0.00 | | 0 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 0.00 | | 0 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 0.00 | | 0 | N.D. | | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 156 | 0.019 | ppbv | 96 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 92 | 0.023 | ppbv | 94 |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 217 | 0.023 | ppbv | 96 |
| 31) Ethyl acetate | 0.00 | | 0 | N.D. | | |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 126m | 0.020 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 163 | 0.020 | ppbv | 97 |
| 36] Carbon tetrachloride | 12.83 | 117 | 170 | 0.020 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 322m | 0.025 | ppbv | |
| 38) Cyclohexane | 0.00 | | 0 | N.D. | | |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 118m | 0.019 | ppbv | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

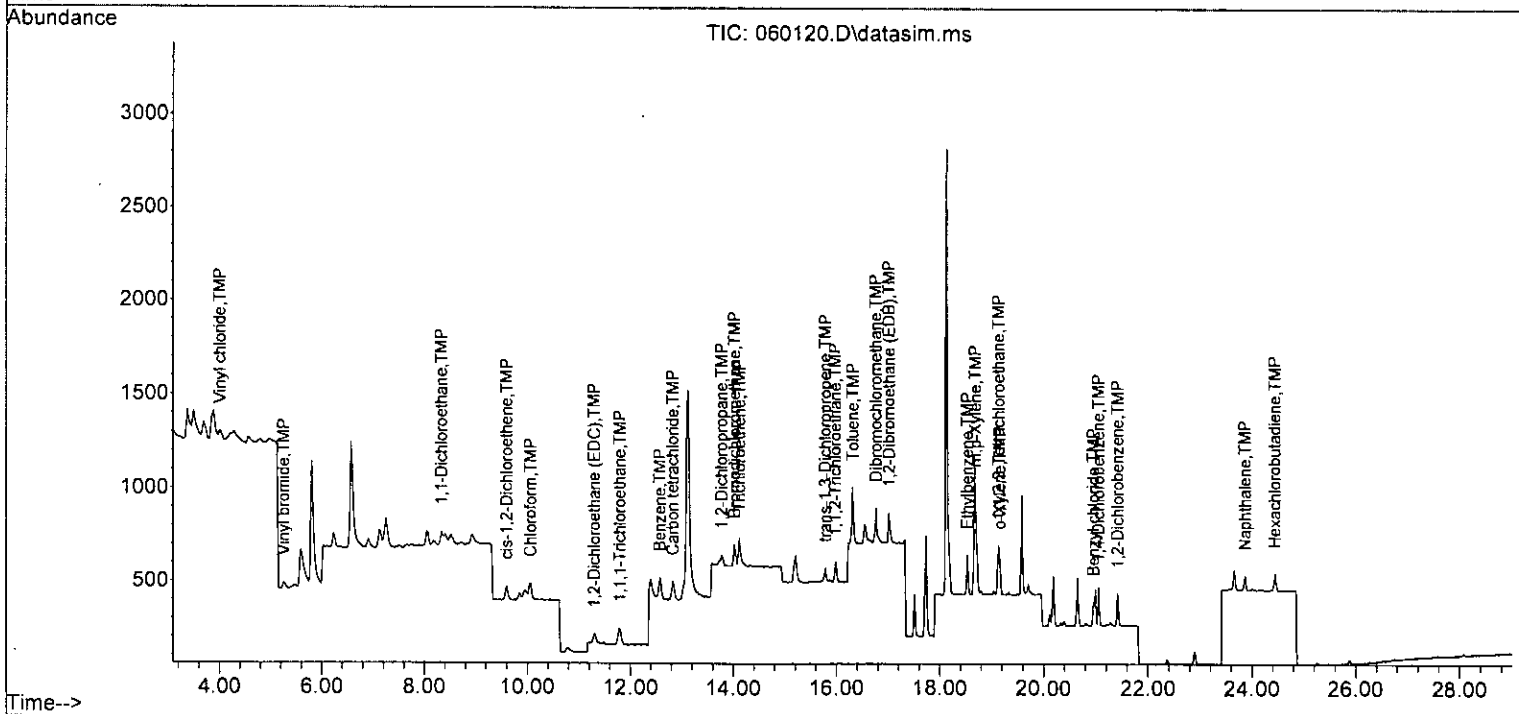
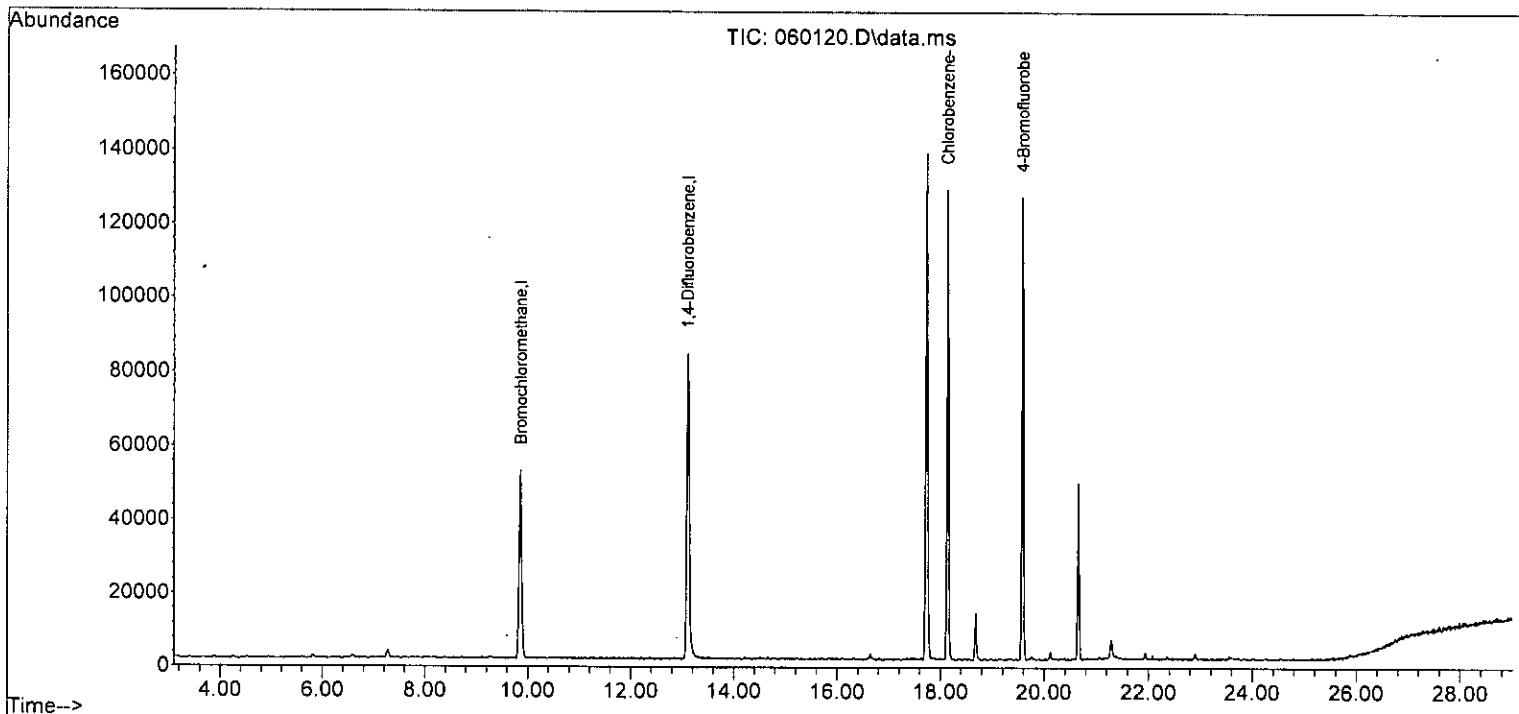
Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | N.D. | d | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | d | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | | |
| 44) Heptane | 0.00 | | 0 | N.D. | | |
| 45] Bromodichloromethane | 14.02 | 83 | 199 | 0.020 | ppbv | 92 |
| 46] Trichloroethene | 14.12 | 95 | 134 | 0.021 | ppbv | 96 |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 166 | 0.023 | ppbv | 96 |
| 50] Toluene | 16.31 | 92 | 237m | 0.029 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 127 | 0.022 | ppbv | 96 |
| 52) 2-Hexanone | 0.00 | | 0 | N.D. | | |
| 53) Tetrachloroethene | 0.00 | | 0 | N.D. | d | |
| 54] Dibromochloromethane | 16.76 | 129 | 205 | 0.021 | ppbv | 95 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 205 | 0.021 | ppbv | 82 |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | | |
| 58] Ethylbenzene | 18.53 | 91 | 323 | 0.022 | ppbv | 99 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 285 | 0.022 | ppbv | 96 |
| 60) Nonane | 0.00 | | 0 | N.D. | d | |
| 61) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | | |
| 63) Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Ethyltoluene | 0.00 | | 0 | N.D. | d | |
| 65] m,p-Xylene | 18.68 | 106 | 300 | 0.056 | ppbv | 84 |
| 66] o-Xylene | 19.15 | 106 | 94 | 0.021 | ppbv | 89 |
| 67) Styrene | 0.00 | | 0 | N.D. | | |
| 68) Bromoform | 0.00 | | 0 | N.D. | | |
| 70] Benzyl chloride | 20.95 | 91 | 207 | 0.018 | ppbv | 88 |
| 71) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 73) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 174 | 0.021 | ppbv | 90 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 166 | 0.019 | ppbv | 96 |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 77] Naphthalene | 23.86 | 128 | 158 | 0.015 | ppbv | 96 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 191m | 0.020 | ppbv | |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060120.D
 Acq On : 2 Jun 2023 1:02 am
 Operator : bat
 Sample : 0.02 ppbv T015 69-62-f
 Misc : T2
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

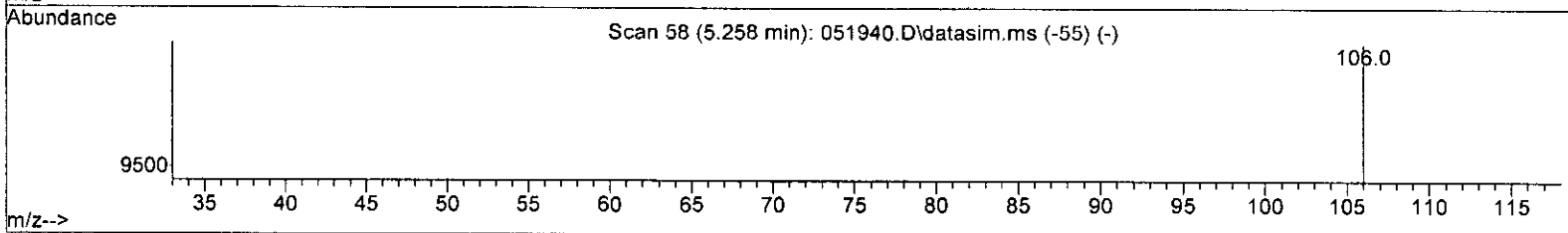
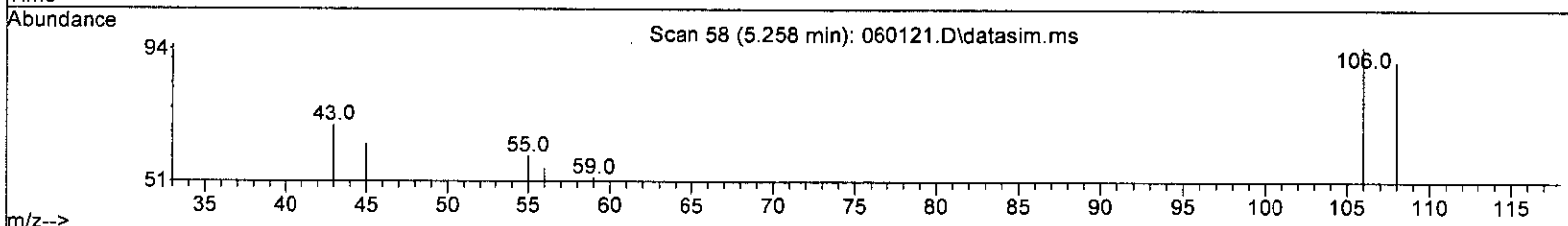
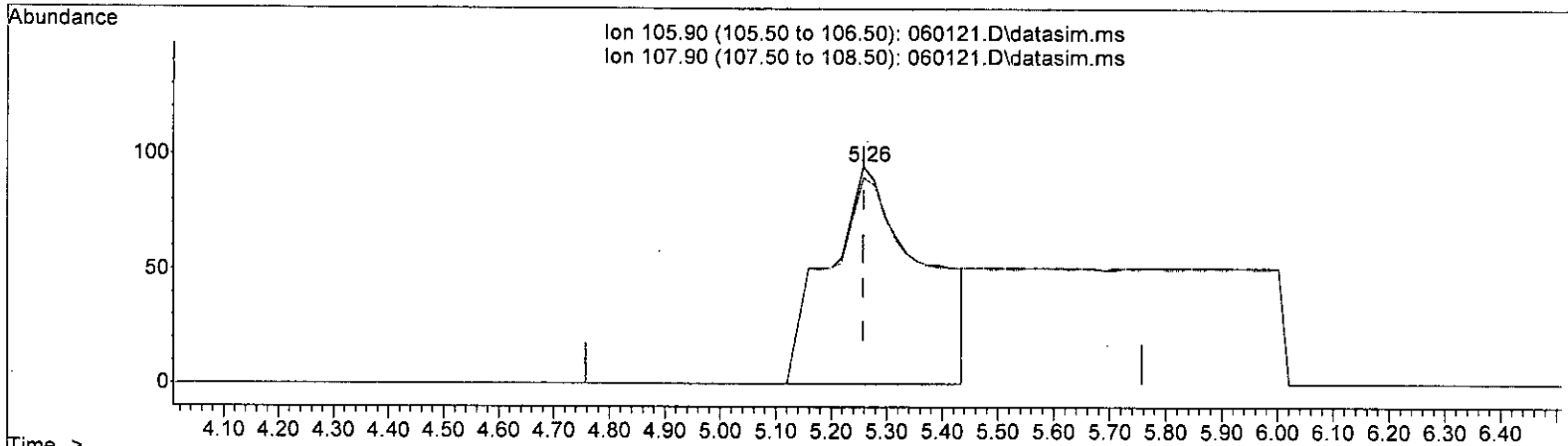
Quant Time: Jun 06 12:00:21 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(11) Vinyl bromide (TMP)

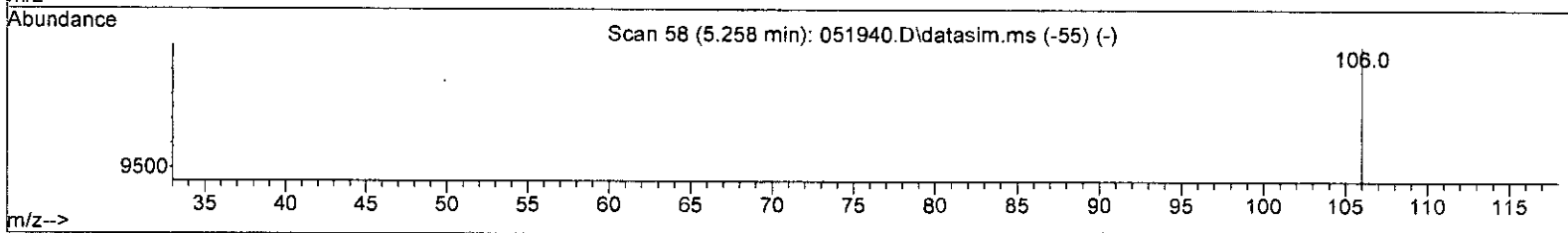
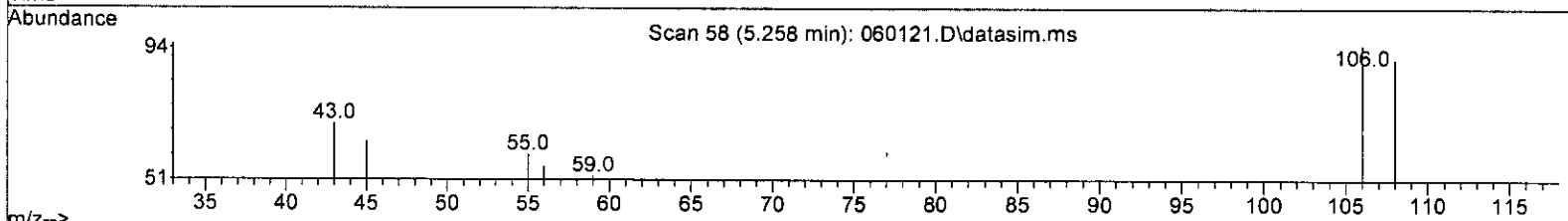
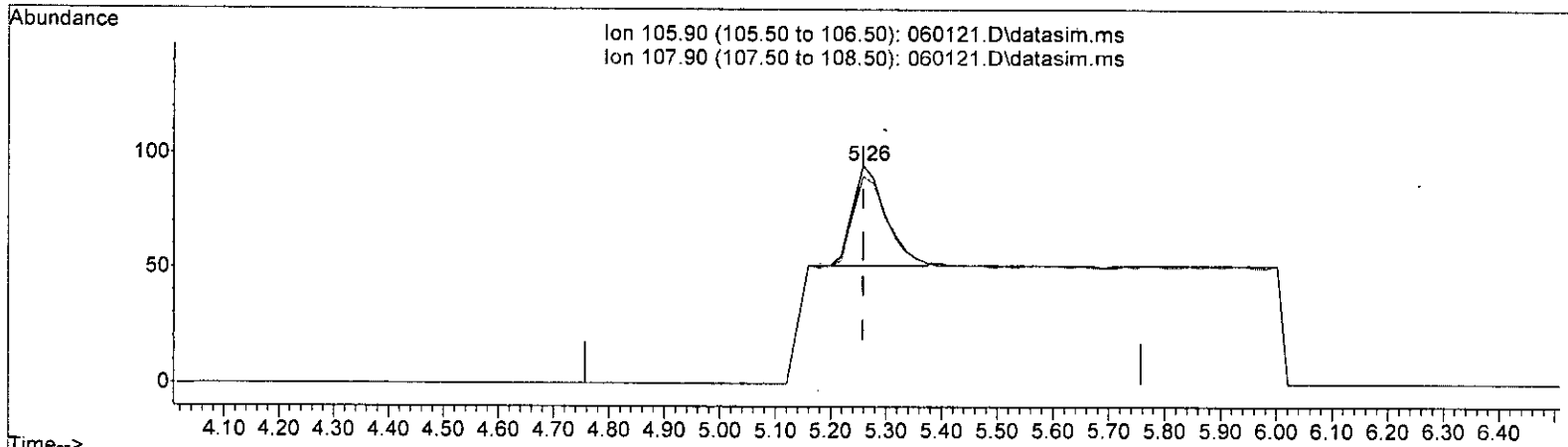
5.258min (-0.000) 0.320 ppbv *6/6 0.01*

| response | 1220 |
|----------|---------------|
| Ion | Exp% Act% |
| 105.90 | 100.00 100.00 |
| 107.90 | 94.10 93.69 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 0.048 ppbv m

response 182

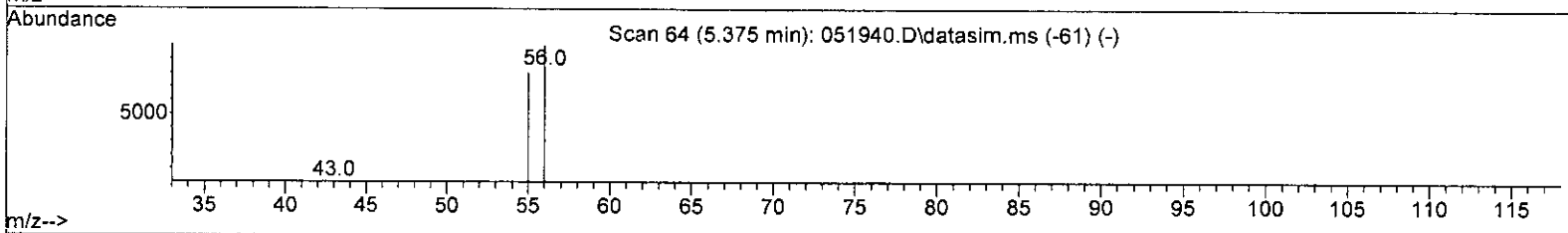
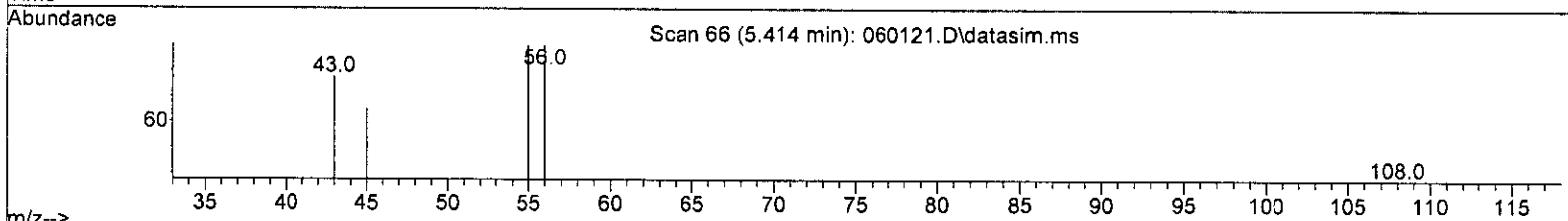
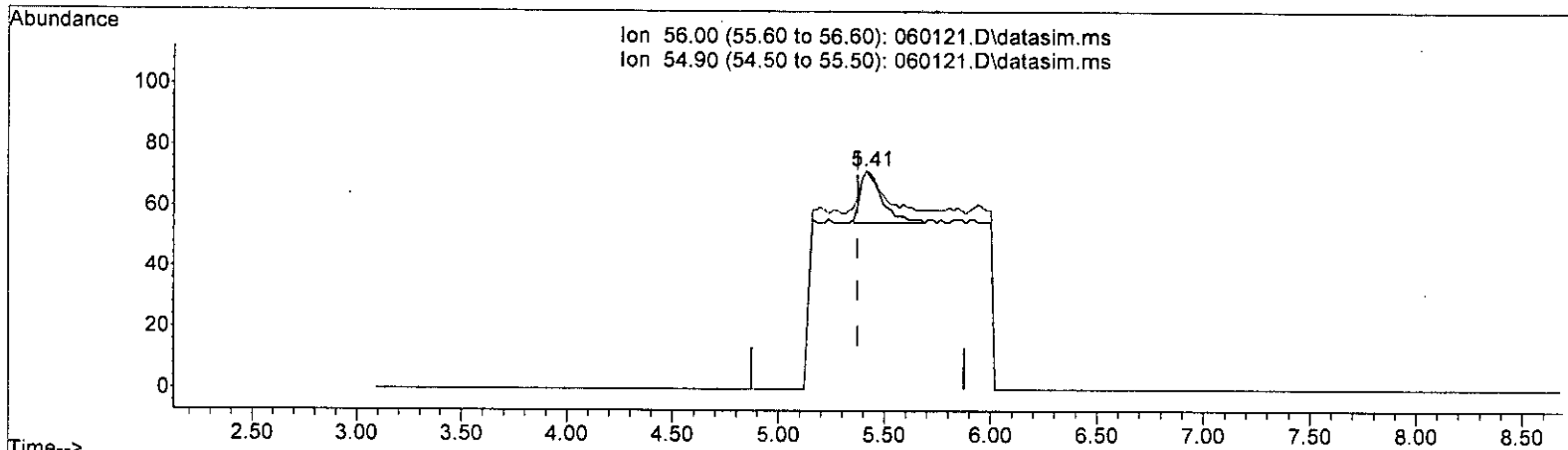
| Ion | Exp% | Act% |
|--------|--------|---------|
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 628.02# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: Y/S

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

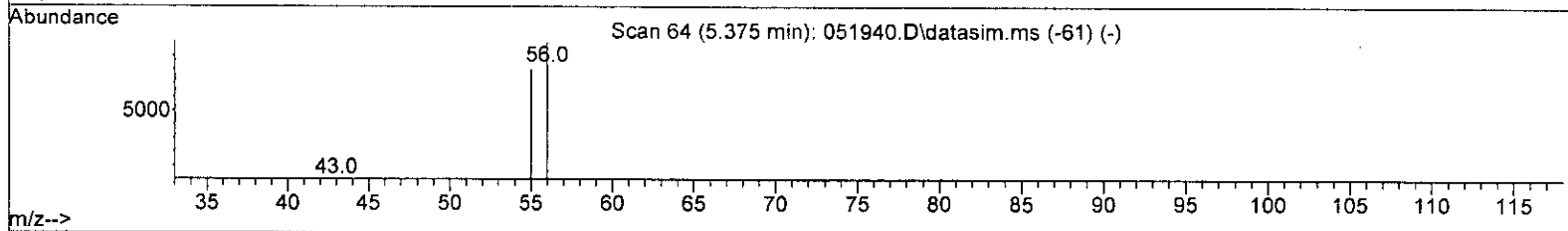
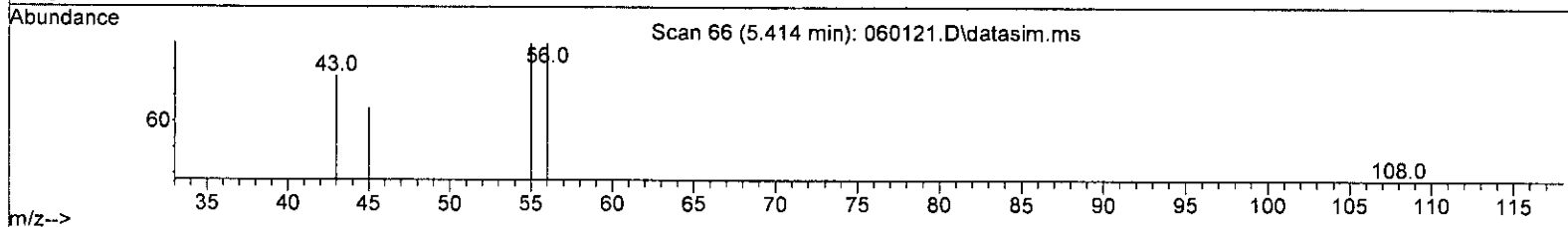
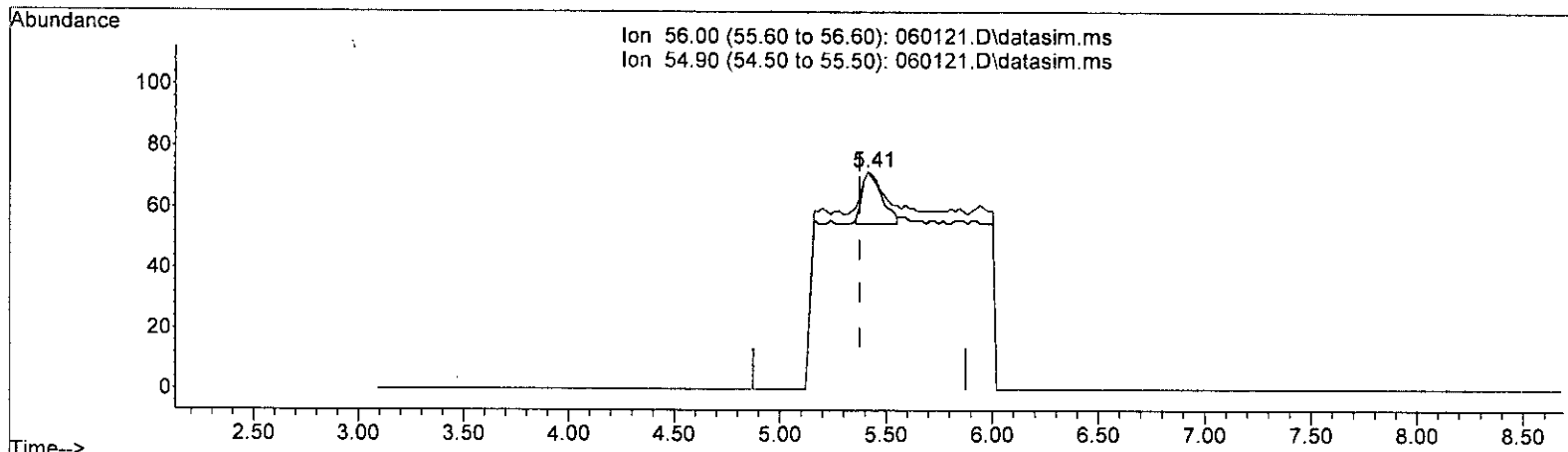
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.414min (+ 0.039) | 0.075 | ppbv |
| response | 117 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: b/g sm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(13) Acrolein (TMP)

5.414min (+ 0.039) 0.071 ppbv m

response 108

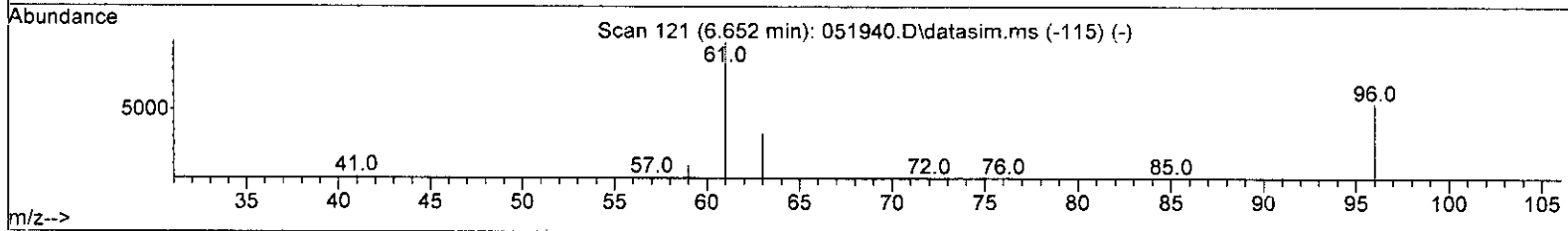
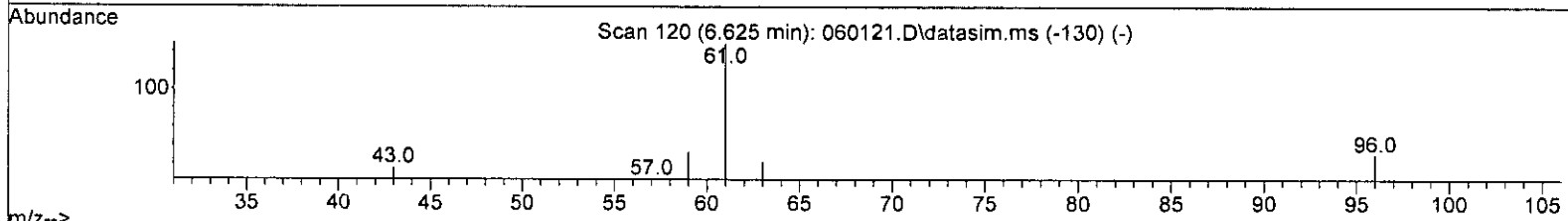
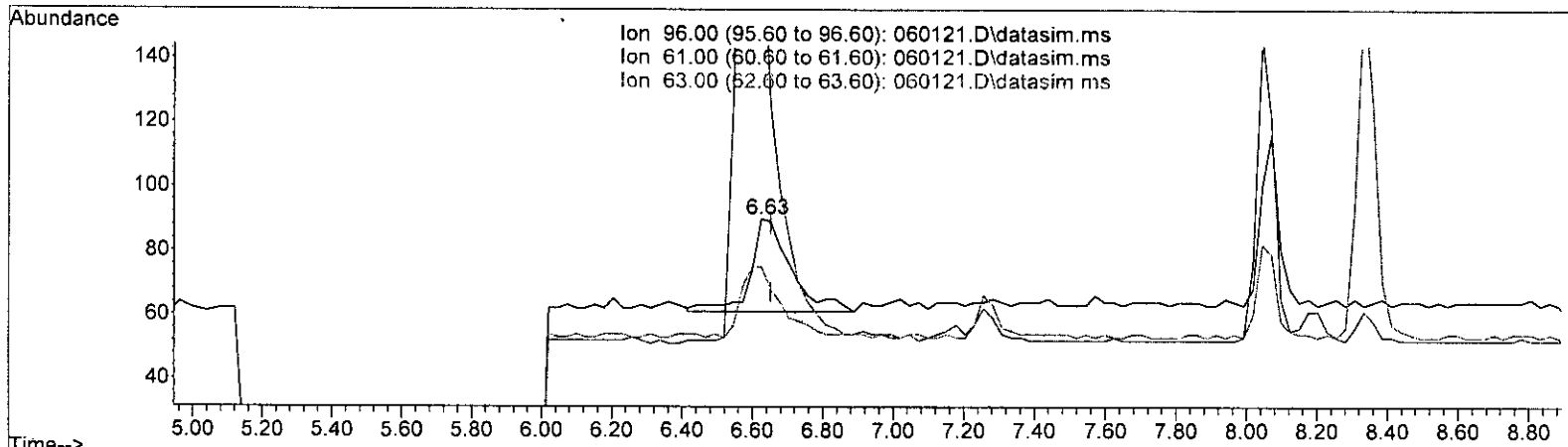
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 *bat*

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

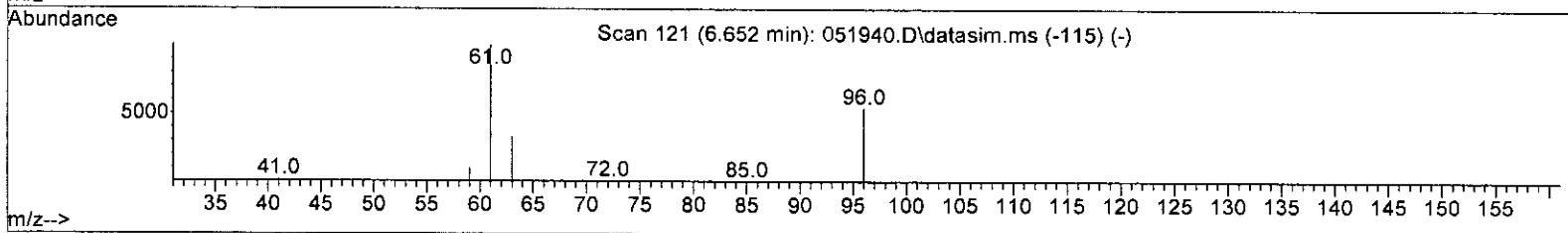
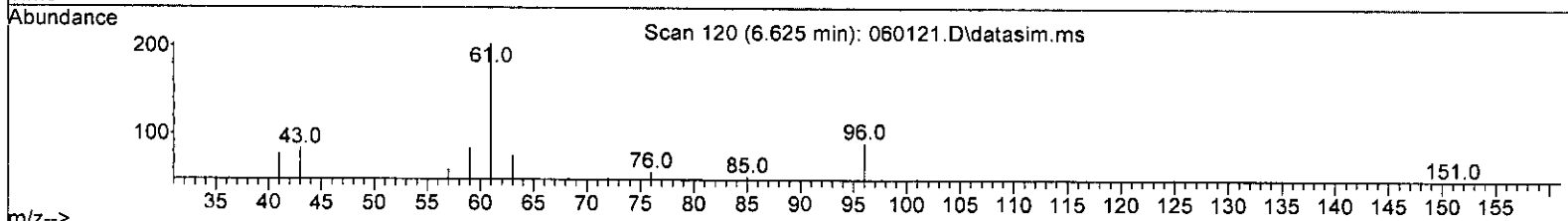
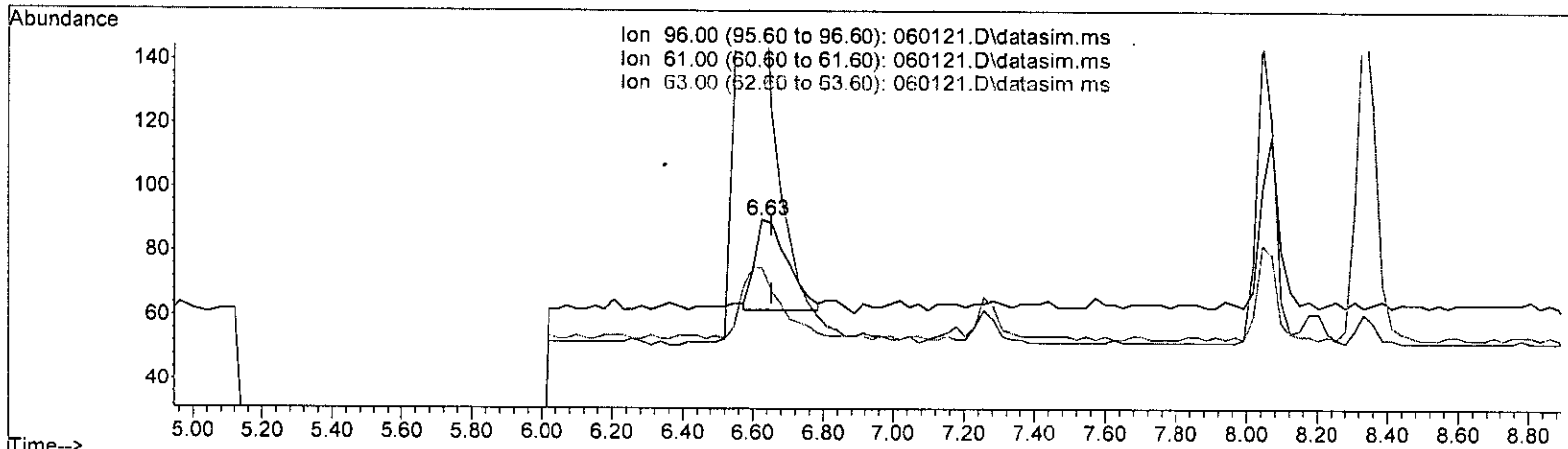
| | | | |
|-------------------|--------------------------|---------|--|
| (18) | 1,1-Dichloroethene (TMP) | | |
| 6.625min (-0.027) | 0.063 ppbv | | |
| response | 230 | | |
| Ion | Exp% | Act% | |
| 96.00 | 100.00 | 100.00 | |
| 61.00 | 189.00 | 520.69# | |
| 63.00 | 62.00 | 72.41 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: 6/6/23

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(18) 1,1-Dichloroethene (TMP)
 6.625min (-0.027) 0.049 ppbv m

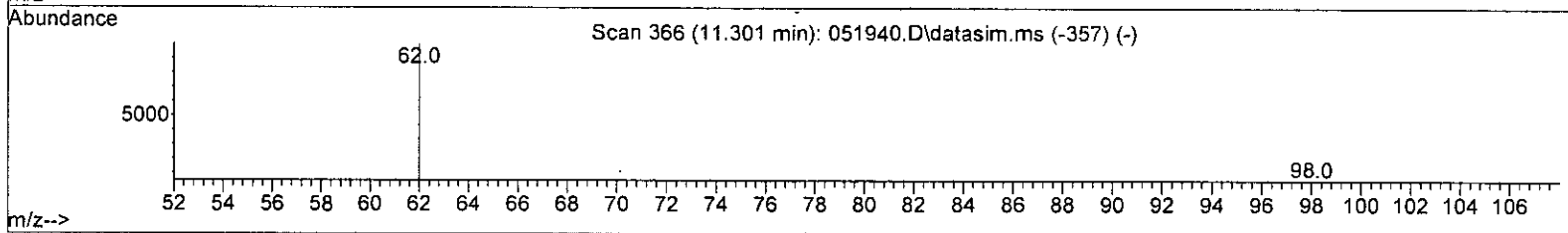
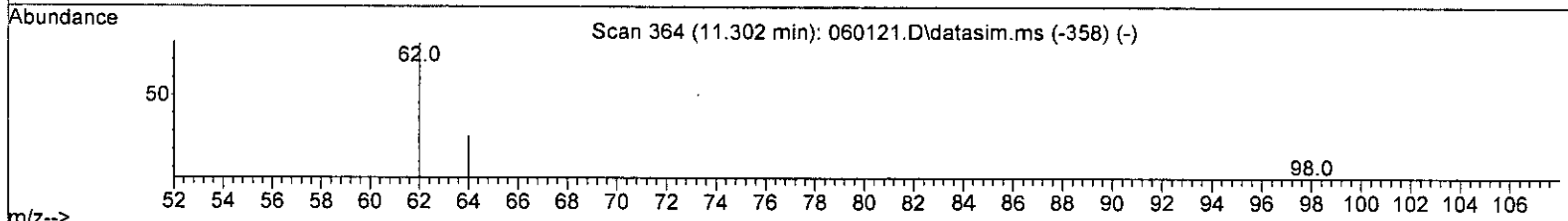
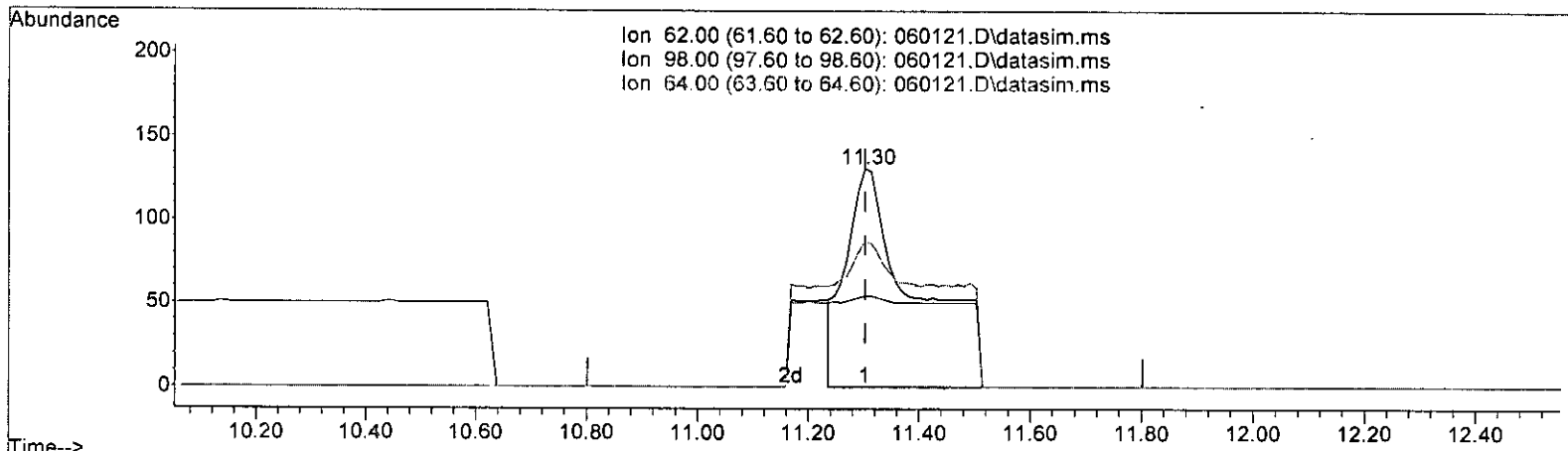
| response | 180 |
|----------|----------------|
| Ion | Exp% Act% |
| 96.00 | 100.00 100.00 |
| 61.00 | 189.00 225.56# |
| 63.00 | 62.00 83.33 |
| 0.00 | 0.00 0.00 |

Handwritten note: 6/6 JCM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

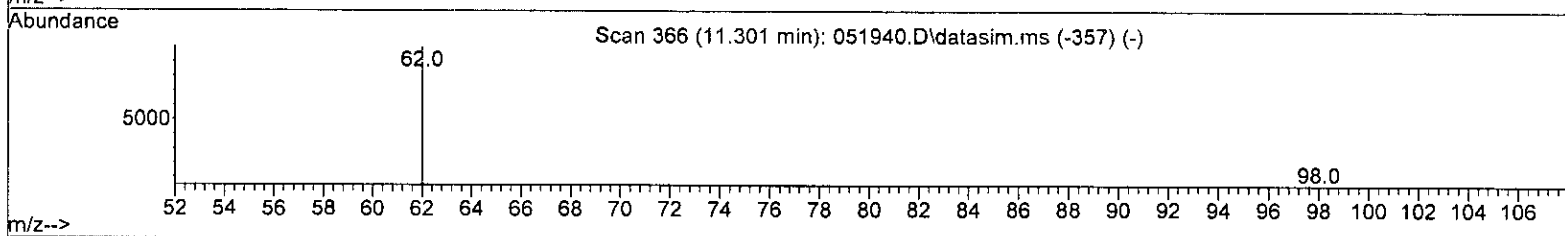
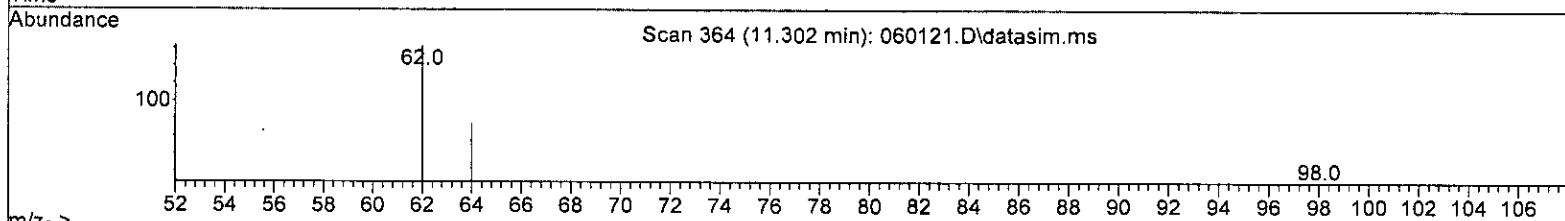
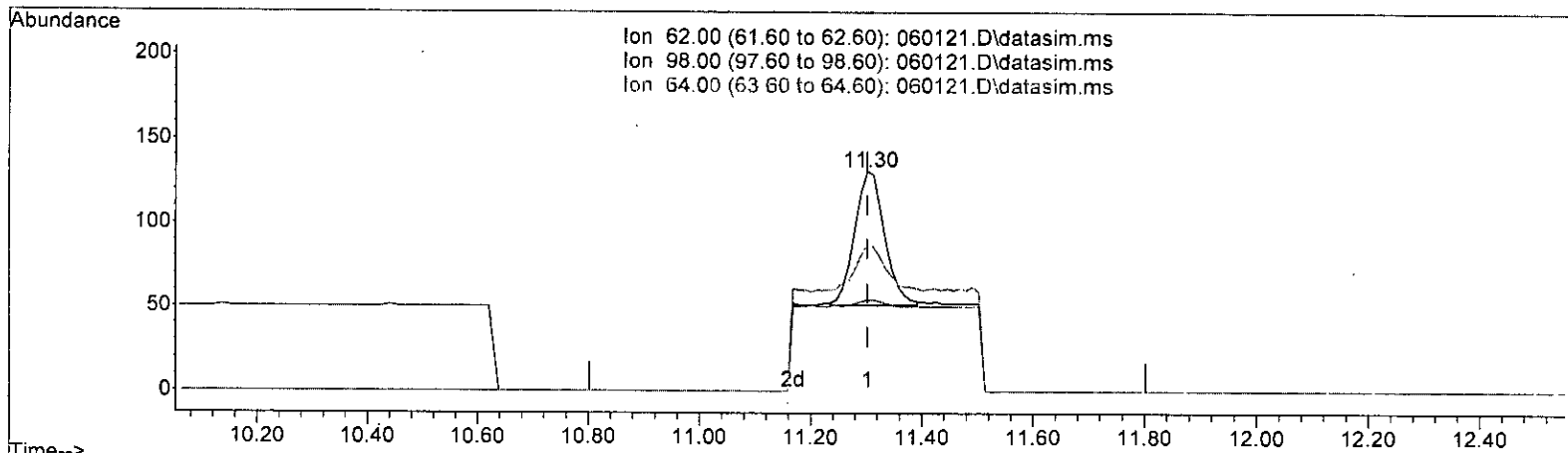
| (34) 1,2-Dichloroethane (EDC) (TMP) | | | |
|-------------------------------------|--------|--------|--|
| 11.302min (+ 0.000) | 0.191 | ppbv | |
| response | 1127 | | |
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 41.22# | |
| 64.00 | 33.00 | 66.41# | |
| 0.00 | 0.00 | 0.00 | |

6/6 sum

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.051 ppbv m

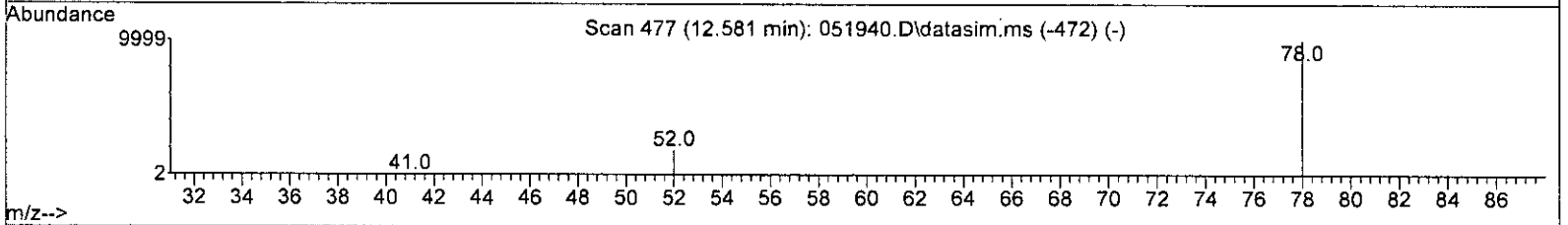
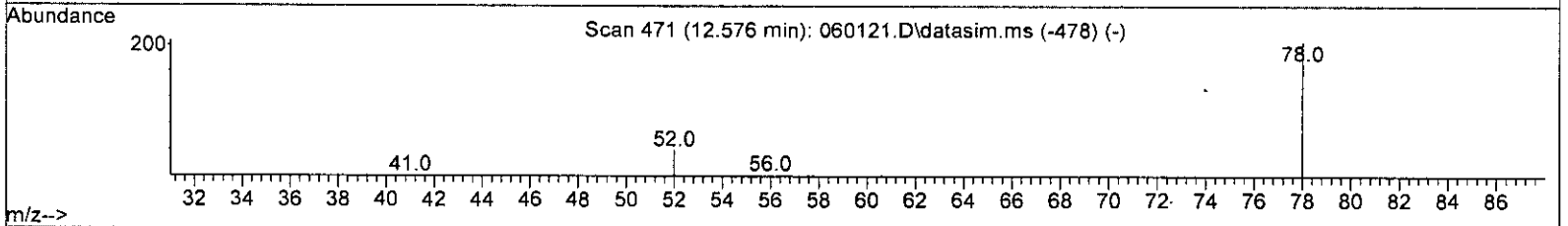
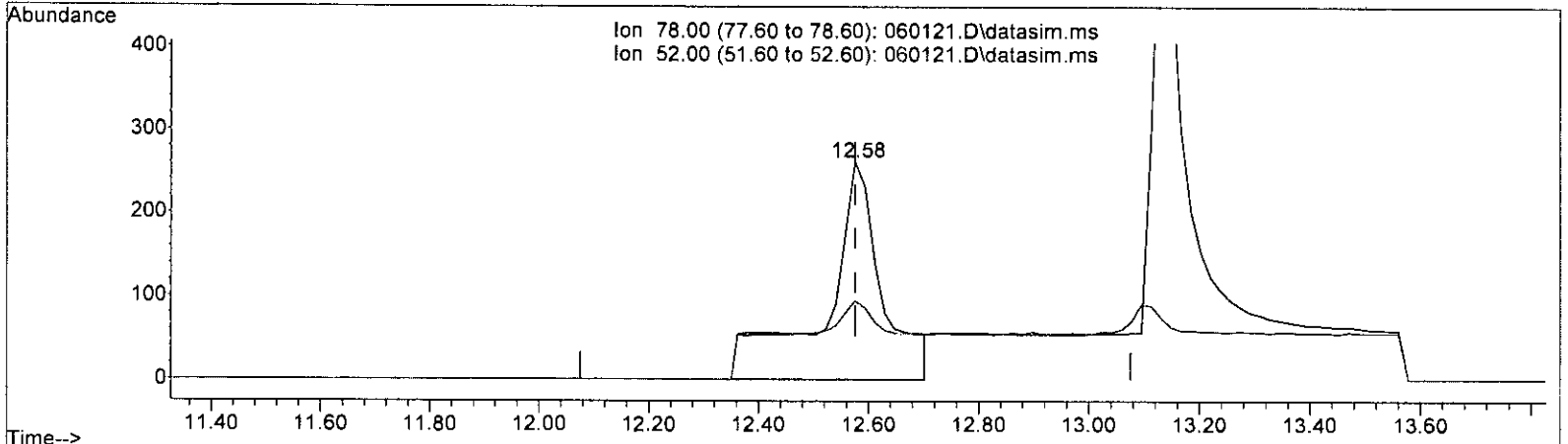
| response | 300 |
|----------|---------------|
| Ion | Exp% .Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 41.22# |
| 64.00 | 33.00 66.41# |
| 0.00 | 0.00 0.00 |

6/6 SM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

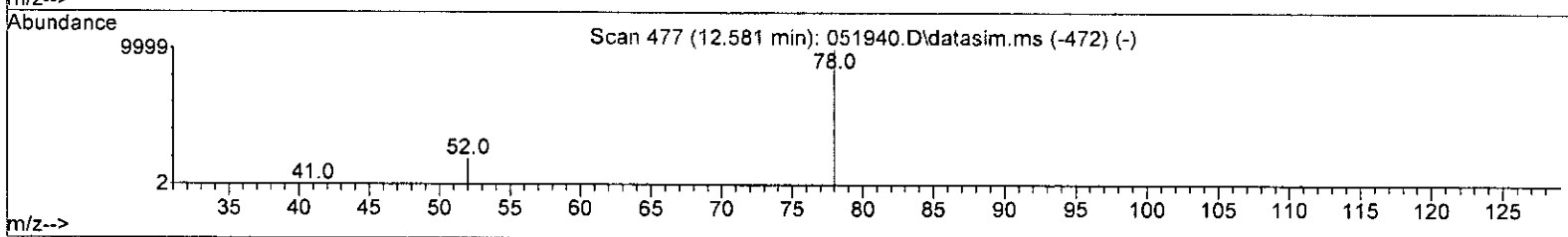
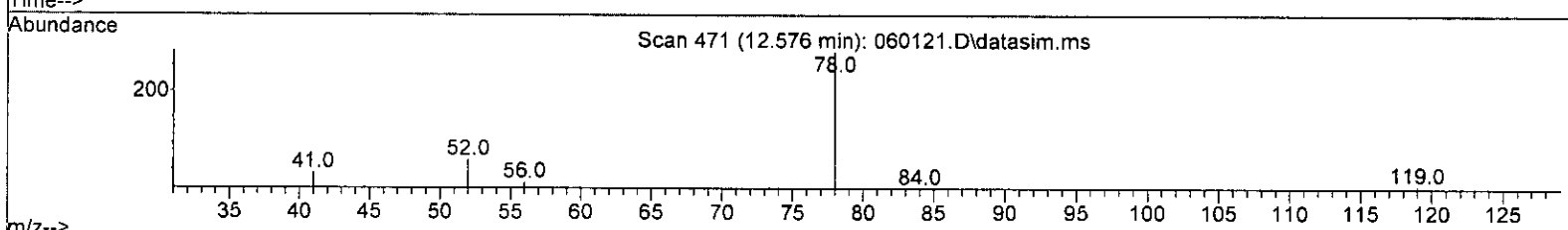
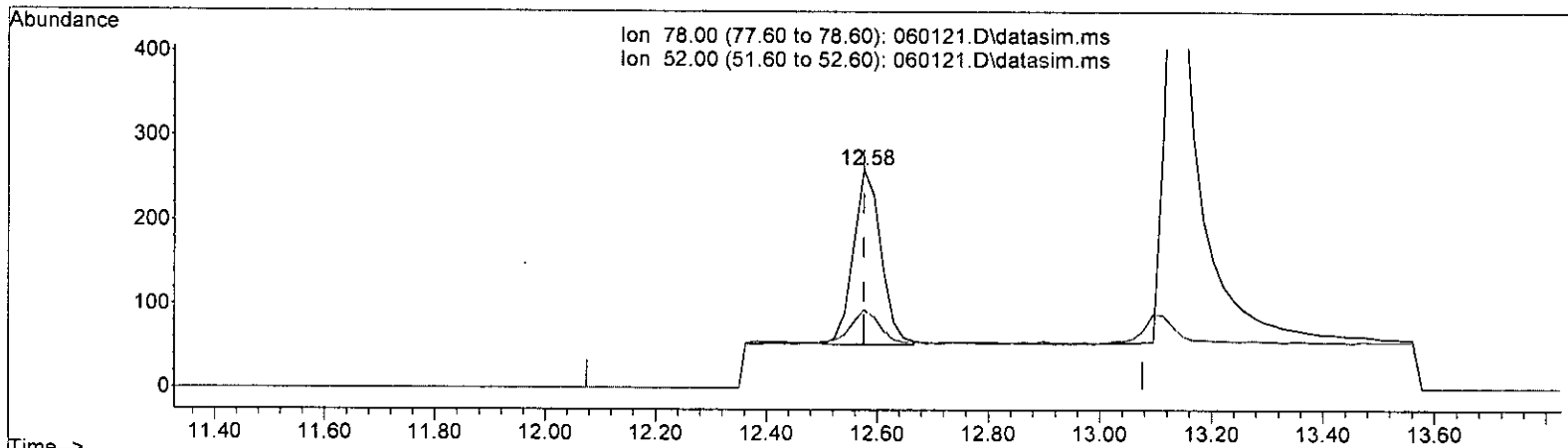
| (37) Benzene (TMP) | | |
|---------------------|--------|--------|
| 12.576min (+ 0.000) | 0.144 | ppbv |
| response | 1812 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 36.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

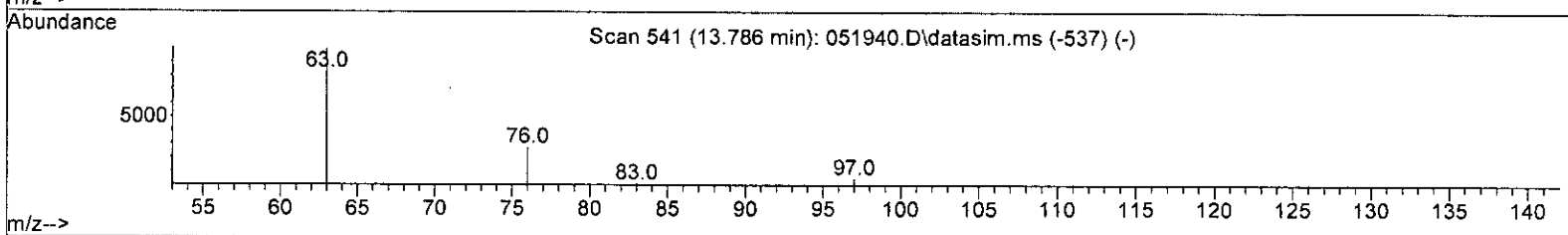
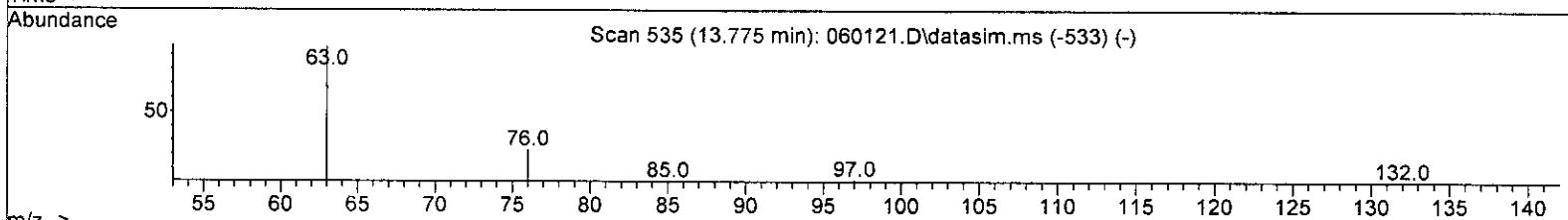
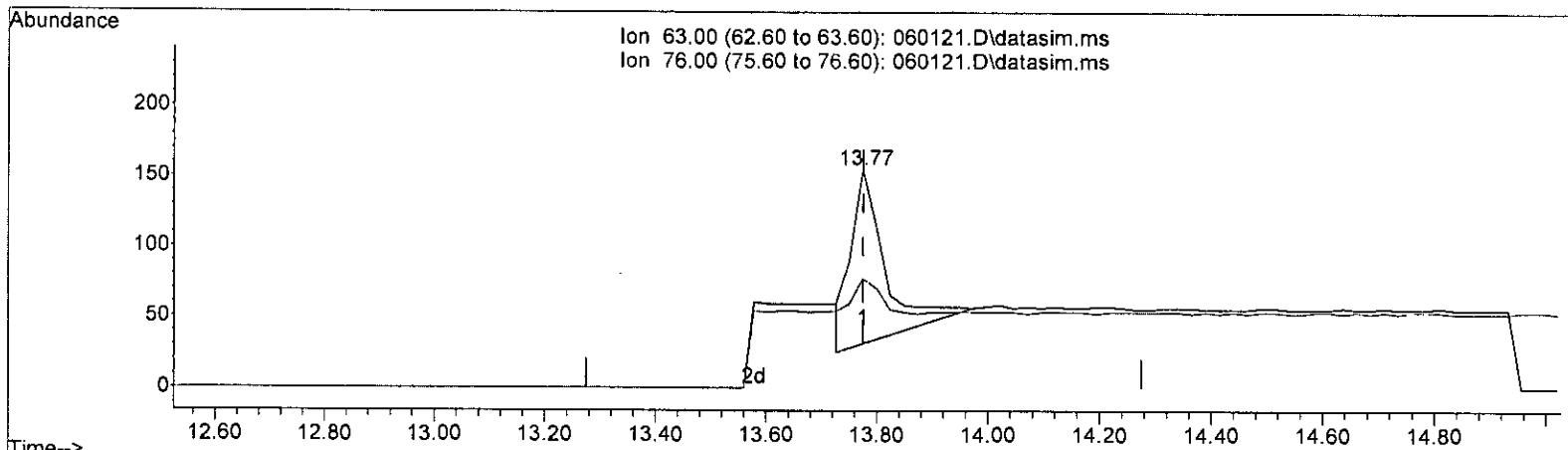
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.058 ppbv m | |
| response | 726 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 36.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 sum

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

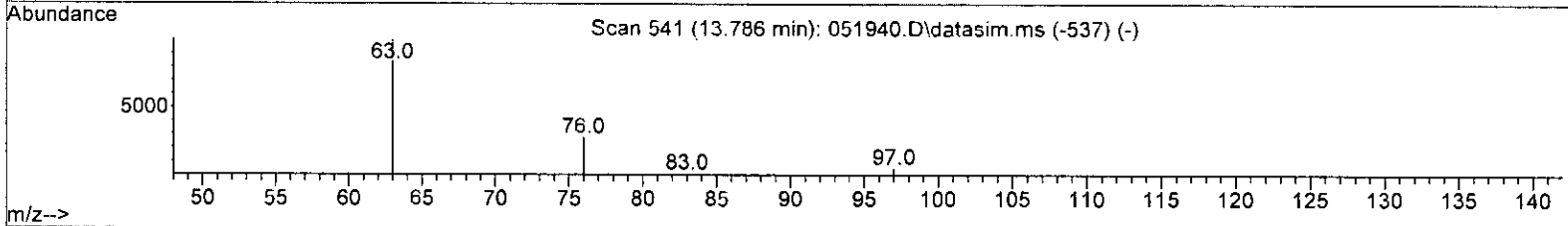
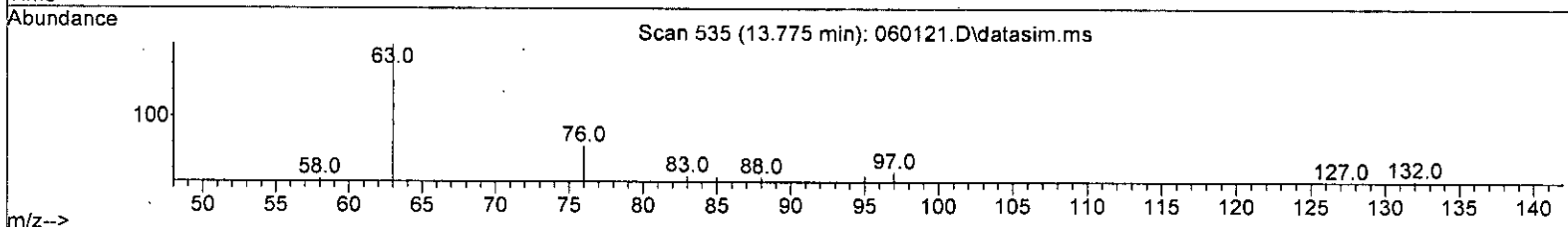
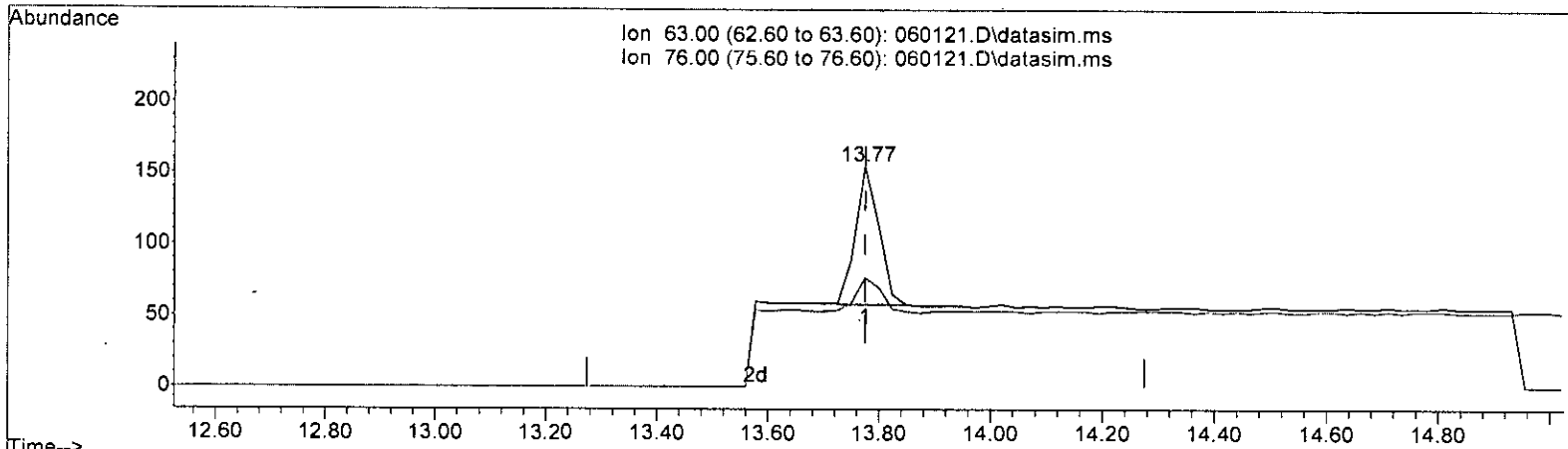
| (40) 1,2-Dichloropropane (TMP) | | |
|--------------------------------|--------|--------|
| 13.775min (-0.000) | 0.090 | ppbv |
| response | 530 | |
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 24.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 DM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 0.048 ppbv m

response 281

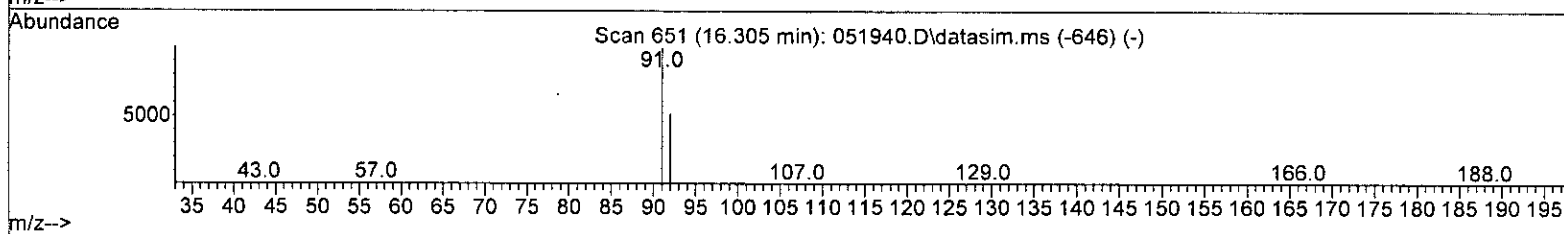
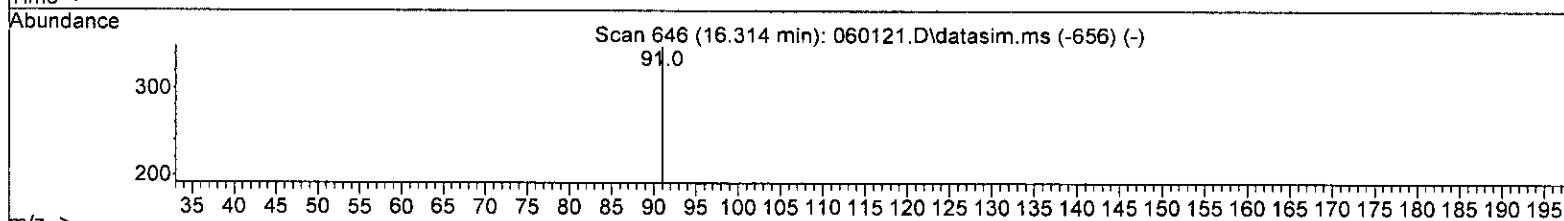
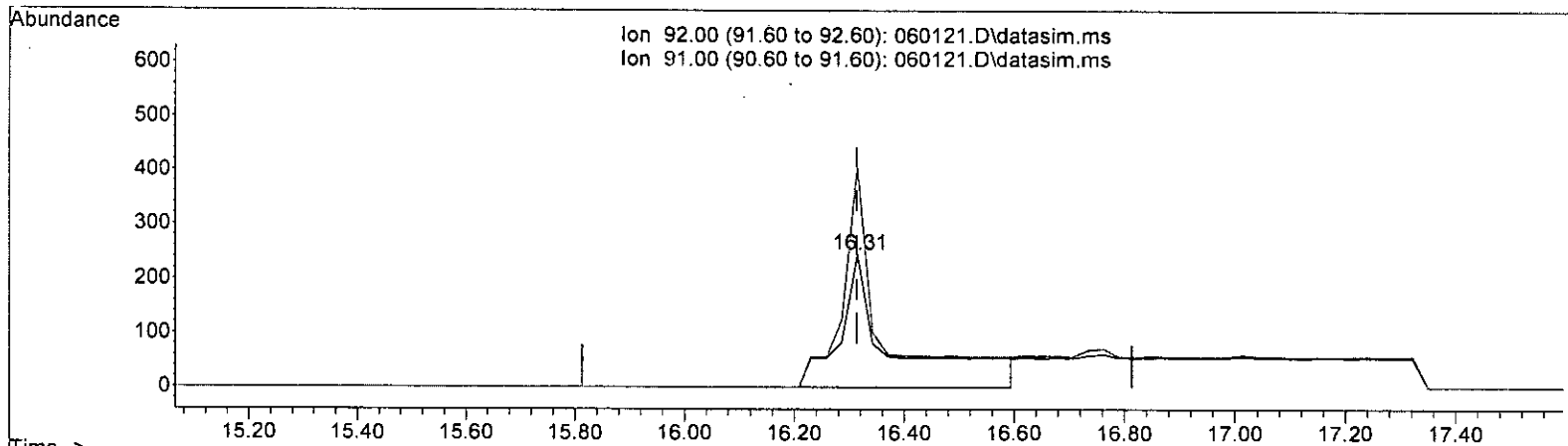
| Ion | Exp% | Act% |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 49.68 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 AM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

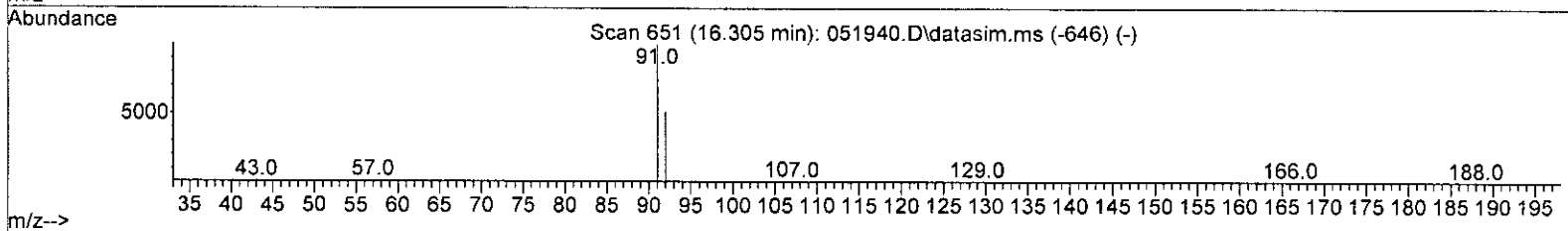
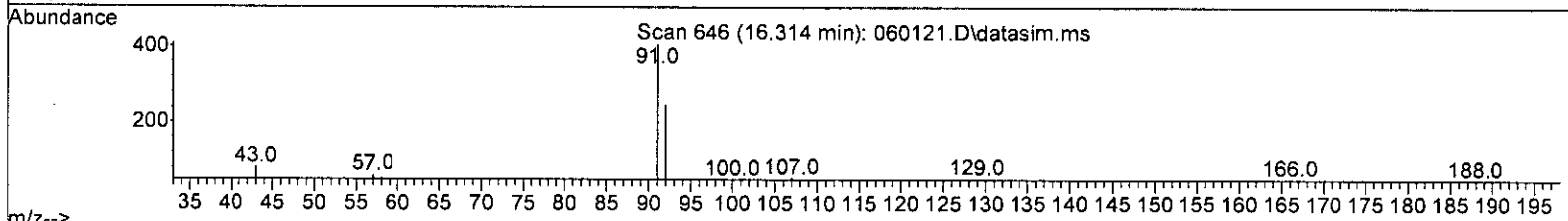
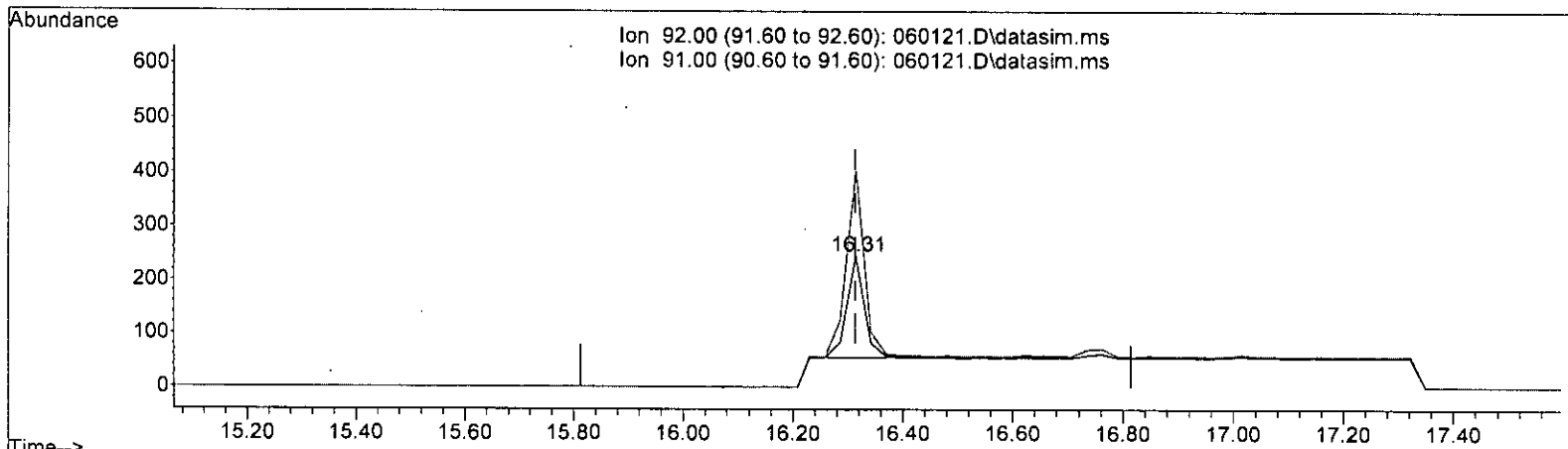
| (50) Toluene (TMP) | | |
|---------------------|--------|---------|
| 16.314min (+ 0.000) | 0.212 | ppbv |
| response | 1647 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 165.71# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten note: 8/6 sm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

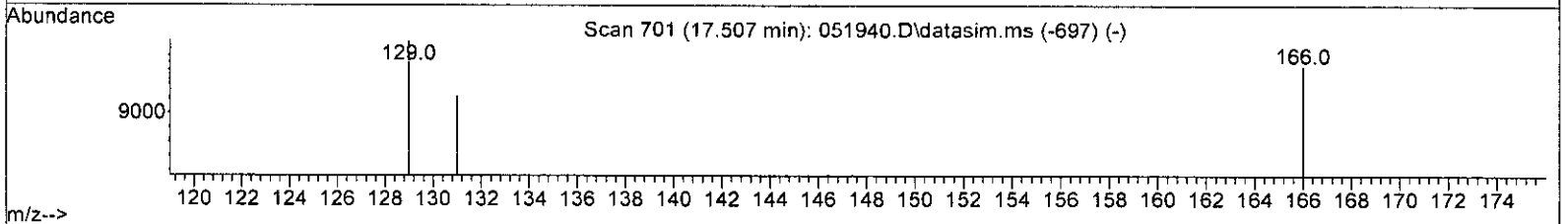
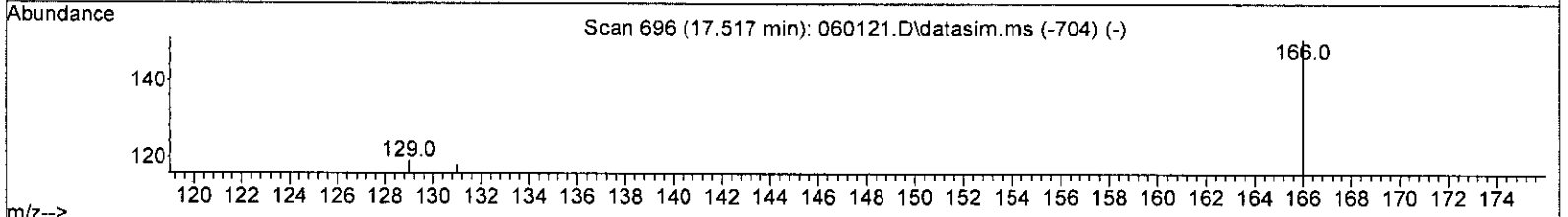
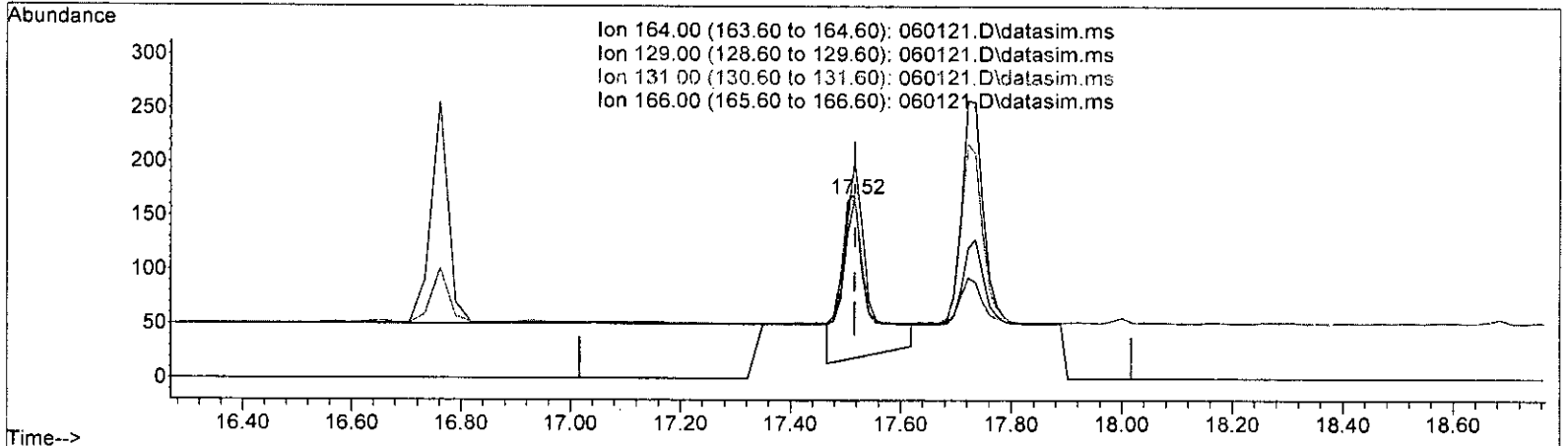
| (50) Toluene (TMP) | | | |
|---------------------|--------------|---------|--|
| 16.314min (+ 0.000) | 0.053 ppbv m | | |
| response | 413 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 165.71# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

1/6 Bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv TO15 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060121.D\data.ms

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.59 |
| 131.00 | 100.70 | 102.59 |
| 166.00 | 137.50 | 130.17 |

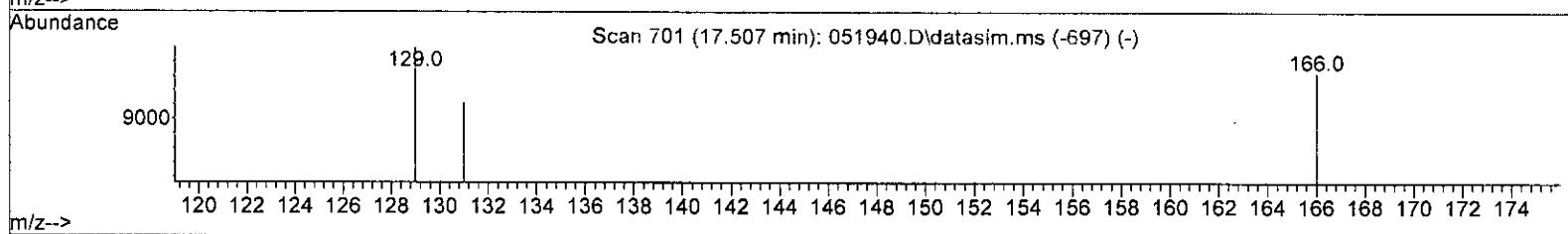
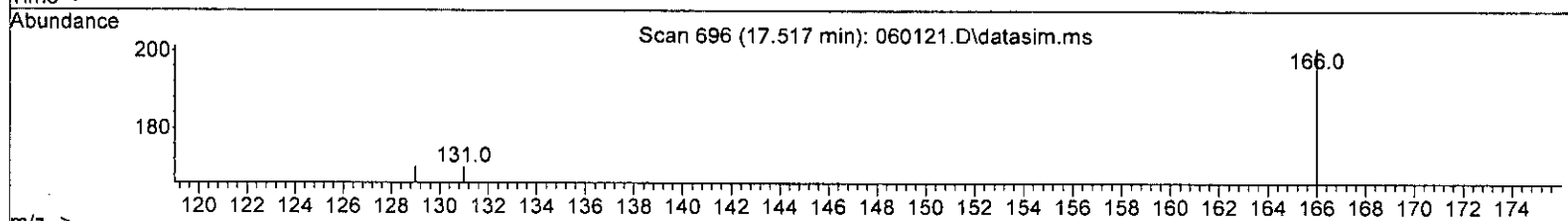
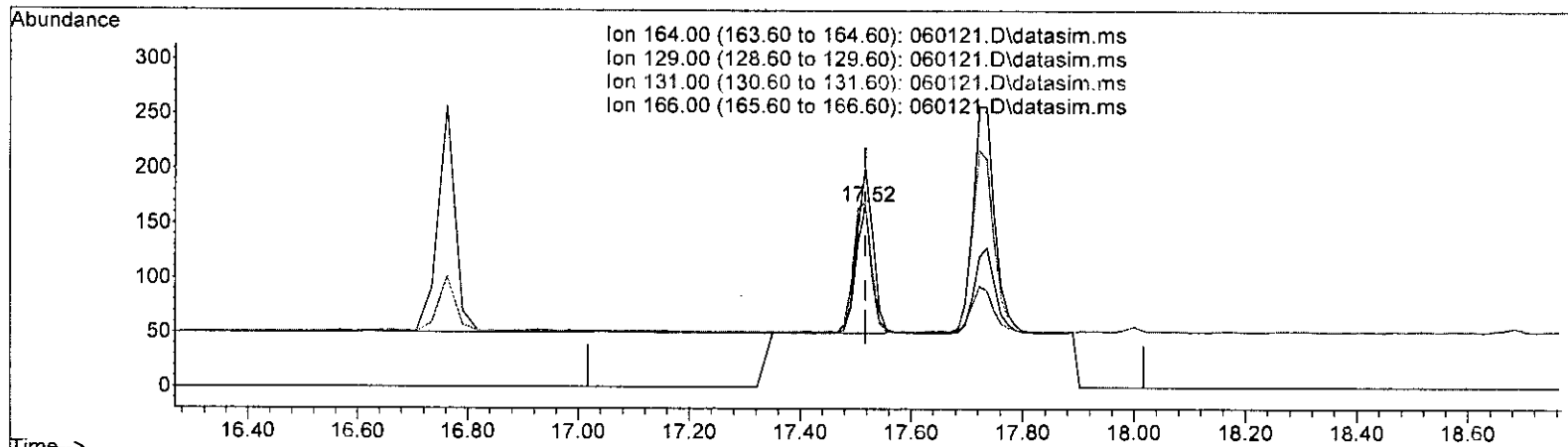
(53) Tetrachloroethene (TCE)
 17.517min (-0.000) 0.103 ppbv
 response 494

Handwritten note: 4/6 0.07

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.049 ppbv m

response 233

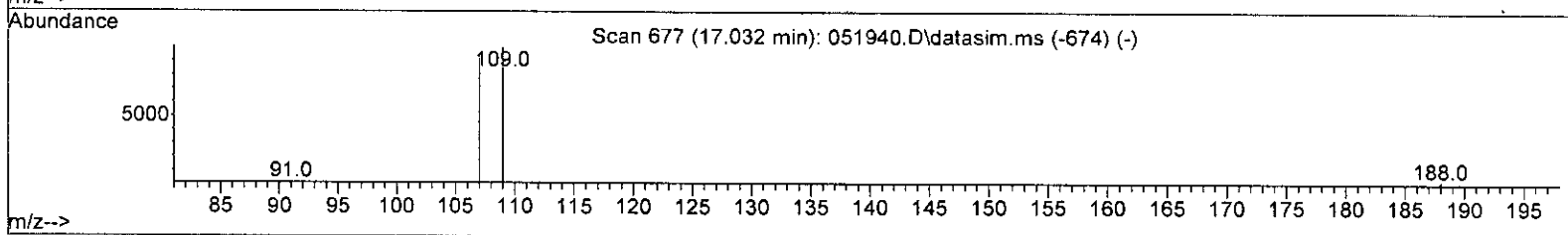
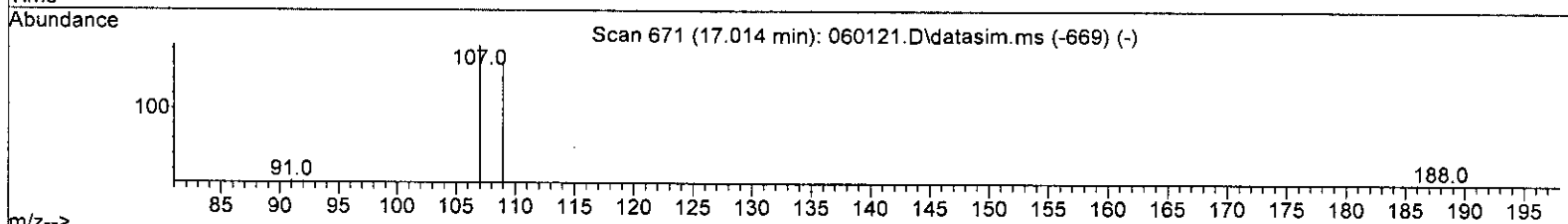
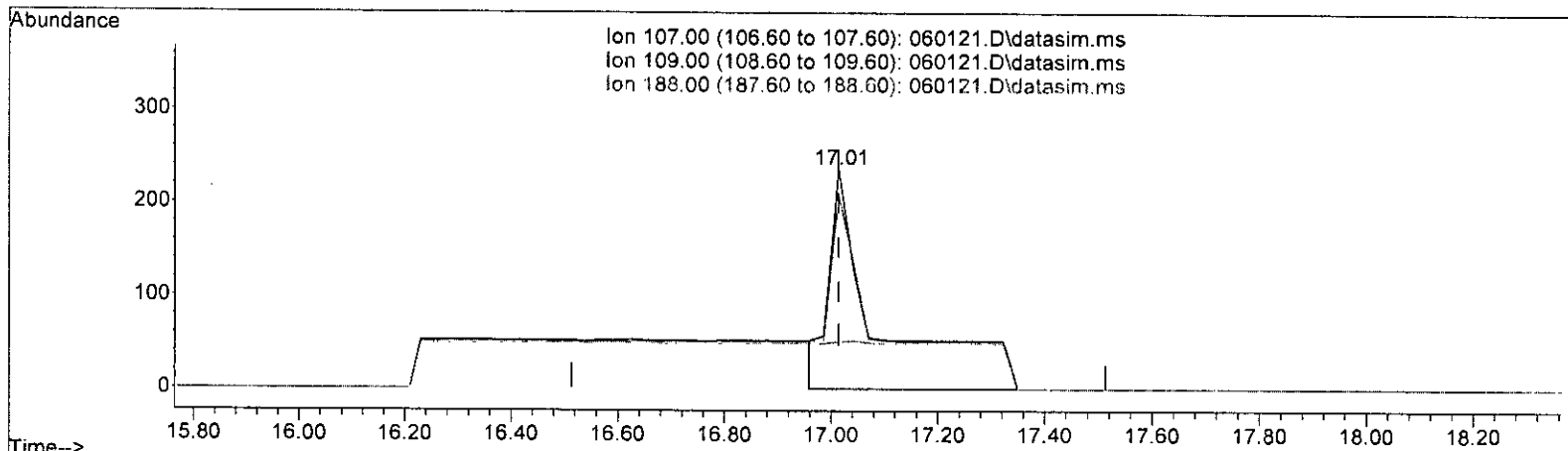
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.41 |
| 131.00 | 100.70 | 102.41 |
| 166.00 | 137.50 | 121.08 |

6/6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T01S 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

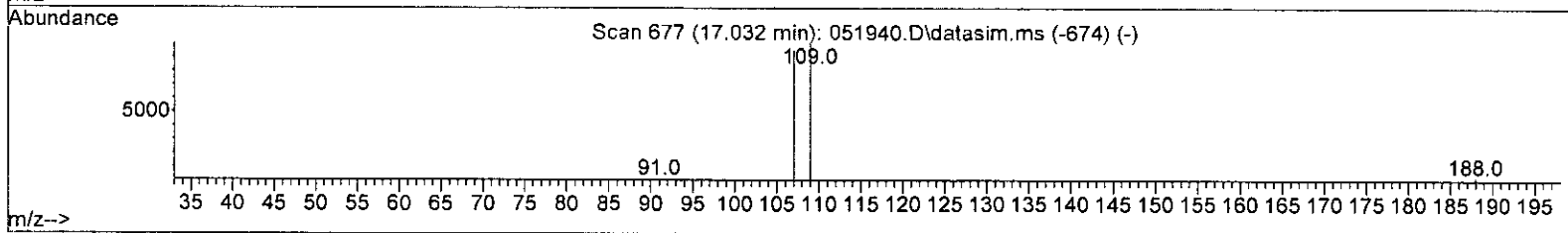
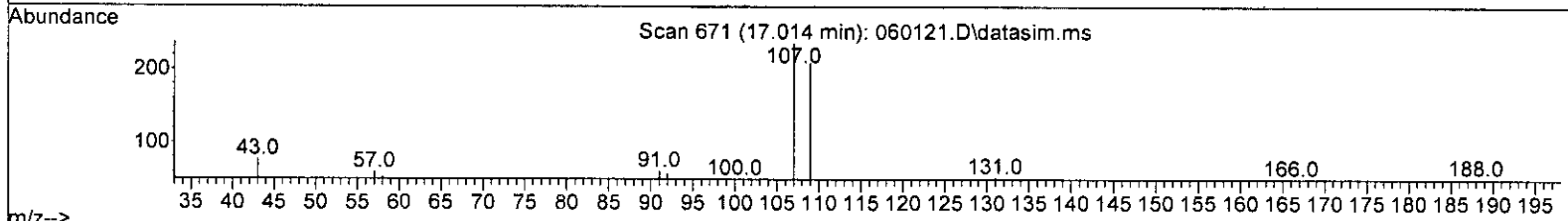
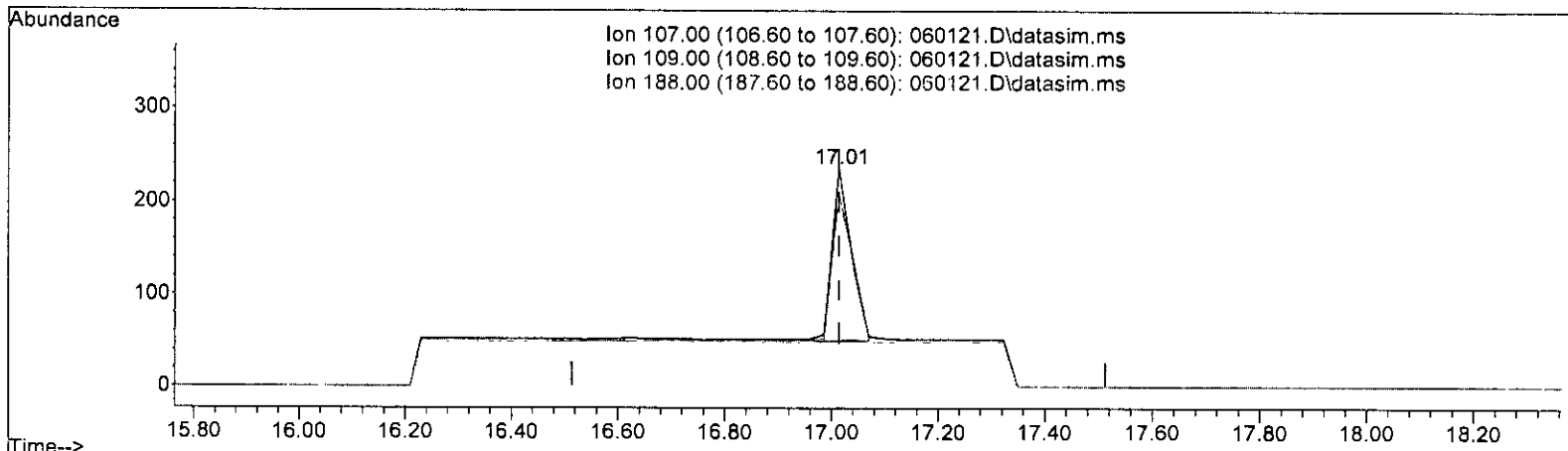
| (55) 1,2-Dibromoethane (EDB) (TMP) | | |
|------------------------------------|------------|--------|
| 17.014min (+ 0.000) | 0.167 ppbv | |
| response | 1528 | |
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 88.56 |
| 188.00 | 2.70 | 21.61 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060121.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.050 ppbv m

response 462

| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 88.56 |
| 188.00 | 2.70 | 21.61 |
| 0.00 | 0.00 | 0.00 |

6/6

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | -1.000 | 0.000 | 0.0 | 0 | -3.41# |
| 3 TMP Dichlorodifluoromethane | 0.050 | 0.000 | 100.0# | 0 | -3.48# |
| 4 TMP Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -3.69# |
| 5 TMP F-114 | 0.050 | 0.000 | 100.0# | 0 | -3.88# |
| 6 TMP Vinyl chloride | 0.050 | 0.052 | -4.0 | 107 | 0.00 |
| 7 TMP 1,3-Butadiene | 0.050 | 0.052 | -4.0 | 100 | 0.00 |
| 8 TMP Butane | -1.000 | 0.000 | 0.0 | 0 | -4.28# |
| 9 TMP Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -4.56# |
| 10 TMP Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -4.80# |
| 11 TMP Vinyl bromide | 0.050 | 0.048 | 4.0 | 93 | 0.00 |
| 12 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -4.96# |
| 13 TMP Acrolein | 0.050 | 0.071 | -42.0# | 99 | 0.04 |
| 14 TMP Pentane | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 15 TMP Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -5.82# |
| 16 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -5.54# |
| 17 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -5.78# |
| 18 TMP 1,1-Dichloroethene | 0.050 | 0.049 | 2.0 | 91 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 0.050 | 0.054 | -8.0 | 114 | 0.00 |
| 20 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -6.57# |
| 22 TMP 3-Chloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.93# |
| 23 TMP CFC-113 | 0.050 | 0.000 | 100.0# | 0 | -7.15# |
| 24 TMP Carbon disulfide | -1.000 | 0.000 | 0.0 | 0 | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | -1.000 | 0.000 | 0.0 | 0 | -8.41# |
| 26 TMP Vinyl acetate | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 27 TMP 1,1-Dichloroethane | 0.050 | 0.051 | -2.0 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 0.050 | 0.054 | -8.0 | 100 | 0.00 |
| 29 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -9.99# |
| 30 TMP Chloroform | 0.050 | 0.052 | -4.0 | 100 | 0.00 |
| 31 TMP Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | -9.90# |
| 32 TMP Tetrahydrofuran | -1.000 | 0.000 | 0.0 | 0 | -10.72# |
| 33 TMP 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.050 | 0.051 | -2.0 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 0.050 | 0.052 | -4.0 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 0.050 | 0.049 | 2.0 | 100 | 0.00 |
| 37 TMP Benzene | 0.050 | 0.058 | -16.0 | 101 | 0.00 |
| 38 TMP Cyclohexane | -1.000 | 0.000 | 0.0 | 0 | -13.05# |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.050 | 0.048 | 4.0 | 98 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.050 | 0.051 | -2.0 | 100 | 0.07 |
| 42 TMP 2,2,4-Trimethylpentane | -1.000 | 0.000 | 0.0 | 0 | -14.21# |
| 43 TMP Methyl methacrylate | -1.000 | 0.000 | 0.0 | 0 | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 AL5 Vial : 21 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | -1.000 | 0.000 | 0.0 | 0 | -14.53# |
| 45 TMP Bromodichloromethane | 0.050 | 0.049 | 2.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.050 | 0.052 | -4.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.050 | 0.050 | 0.0 | 100 | 0.00 |
| 50 TMP Toluene | 0.050 | 0.053 | -6.0 | 98 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.050 | 0.048 | 4.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -16.56# |
| 53 TMP Tetrachloroethene | -1.000 | 0.049 | 0.0 | 0 | 0.00 |
| 54 TMP Dibromochloromethane | 0.050 | 0.048 | 4.0 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.050 | 0.050 | 0.0 | 98 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -18.17# |
| 58 TMP Ethylbenzene | 0.050 | 0.051 | -2.0 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.050 | 0.051 | -2.0 | 100 | 0.00 |
| 60 TMP Nonane | -1.000 | 0.000 | 0.0 | 0 | -19.32# |
| 61 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -19.72# |
| 62 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -20.17# |
| 63 TMP Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.19# |
| 64 TMP 4-Ethyltoluene | -1.000 | 0.000 | 0.0 | 0 | -20.33# |
| 65 TMP m,p-Xylene | 0.100 | 0.118 | -18.0 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.050 | 0.053 | -6.0 | 100 | 0.00 |
| 67 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -19.05# |
| 68 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -18.80# |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.546 | 4.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.050 | 0.047 | 6.0 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | 0.050 | 0.049 | 2.0 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.050 | 0.049 | 2.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 0.050 | 0.048 | 4.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -23.67# |
| 77 TMP Naphthalene | 0.050 | 0.045 | 10.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 0.050 | 0.050 | 0.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 0.000 | 100.0# | 0# | -3.41# |
| 3 TMP Dichlorodifluoromethane | 4.308 | 0.000# | 100.0# | 0# | -3.48# |
| 4 TMP Chloromethane | 1.772 | 0.000# | 100.0# | 0# | -3.69# |
| 5 TMP F-114 | 4.259 | 0.000 | 100.0# | 0# | -3.88# |
| 6 TMP Vinyl chloride | 1.849 | 1.928 | -4.3 | 107 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.260 | -4.0 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 0.000 | 100.0# | 0# | -4.28# |
| 9 TMP Bromomethane | 1.588 | 0.000# | 100.0# | 0# | -4.56# |
| 10 TMP Chloroethane | 0.685 | 0.000# | 100.0# | 0# | -4.80# |
| 11 TMP Vinyl bromide | 1.655 | 1.581 | 4.5 | 93 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP Acrolein | 0.664 | 0.938 | -41.3# | 99 | 0.04 |
| 14 TMP Pentane | 2.765 | 0.000# | 100.0# | 0# | -6.25# |
| 15 TMP Trichlorofluoromethane | 4.466 | 0.000# | 100.0# | 0# | -5.82# |
| 16 TMP Acetone | 0.652 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP 2-Propanol | 3.342 | 0.000 | 100.0# | 0# | -5.78# |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.564 | 1.4 | 91 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.685 | -7.5 | 114 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 0.000# | 100.0# | 0# | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 0.000 | 100.0# | 0# | -6.57# |
| 22 TMP 3-Chloropropene | 2.167 | 0.000 | 100.0# | 0# | -6.93# |
| 23 TMP CFC-113 | 3.396 | 0.000 | 100.0# | 0# | -7.15# |
| 24 TMP Carbon disulfide | 5.043 | 0.000 | 100.0# | 0# | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 0.000# | 100.0# | 0# | -8.41# |
| 26 TMP Vinyl acetate | 4.333 | 0.000# | 100.0# | 0# | -8.51# |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.449 | -1.1 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.842 | -8.1 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 0.000 | 100.0# | 0# | -9.99# |
| 30 TMP Chloroform | 4.005 | 4.126 | -3.0 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 0.000 | 100.0# | 0# | -9.90# |
| 32 TMP Tetrahydrofuran | 1.847 | 0.000 | 100.0# | 0# | -10.72# |
| 33 TMP 2-Butanone (MEK) | 0.554 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.606 | -1.6 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.614 | -3.9 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.475 | 1.7 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 6.306 | -15.4 | 101 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 0.000 | 100.0# | 0# | -13.05# |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.572 | 4.8 | 98 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.271 | -2.3 | 100 | 0.07 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 0.000 | 100.0# | 0# | -14.21# |
| 43 TMP Methyl methacrylate | 0.552 | 0.000 | 100.0# | 0# | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.000 | 100.0# | 0# | -14.53# |
| 45 TMP Bromodichloromethane | 0.974 | 0.946 | 2.9 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.635 | -3.3 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.000 | 100.0# | 0# | -15.18# |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.700 | -0.7 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.841 | -6.2 | 98 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.556 | 3.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.000# | 100.0# | 0# | -16.56# |
| 53 TMP Tetrachloroethene | 0.486 | 0.000# | 100.0# | 0# | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.910 | 3.6 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.940 | -0.8 | 98 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 0.000# | 100.0# | 0# | -18.17# |
| 58 TMP Ethylbenzene | 1.738 | 1.755 | -1.0 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.562 | -2.0 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.000 | 100.0# | 0# | -19.32# |
| 61 TMP Isopropylbenzene | 1.497 | 0.000 | 100.0# | 0# | -19.72# |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.000 | 100.0# | 0# | -20.17# |
| 63 TMP Propylbenzene | 3.019 | 0.000 | 100.0# | 0# | -20.19# |
| 64 TMP 4-Ethyltoluene | 1.468 | 0.000 | 100.0# | 0# | -20.33# |
| 65 TMP m,p-Xylene | 0.620 | 0.730 | -17.7 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.557 | -5.7 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.000# | 100.0# | 0# | -19.05# |
| 68 TMP Bromoform | 0.940 | 0.000# | 100.0# | 0# | -18.80# |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.677 | 4.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.261 | 6.8 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 0.000 | 100.0# | 0# | -20.39# |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.000 | 100.0# | 0# | -20.81# |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.039 | 1.3 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.967 | 2.1 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.974 | 4.2 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.000 | 100.0# | 0# | -23.67# |
| 77 TMP Naphthalene | 1.229 | 1.092 | 11.1 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.097 | 0.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 15 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 23024 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 98261 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 82960 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56130 | 9.546 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 95.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 4) Chloromethane | 0.00 | | 0 | N.D. | d | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6] Vinyl chloride | 4.01 | 62 | 222 | 0.052 | ppbv | 92 |
| 7] 1,3-Butadiene | 4.21 | 54 | 145 | 0.052 | ppbv # | 82 |
| 8) Butane | 0.00 | | 0 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11] Vinyl bromide | 5.26 | 106 | 182m | 0.048 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13] Acrolein | 5.41 | 56 | 108m | 0.071 | ppbv | |
| 14) Pentane | 0.00 | | 0 | N.D. | d | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 16) Acetone | 0.00 | | 0 | N.D. | d | |
| 17) 2-Propanol | 0.00 | | 0 | N.D. | d | |
| 18] 1,1-Dichloroethene | 6.63 | 96 | 180m | 0.049 | ppbv | |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 194 | 0.054 | ppbv # | 74 |
| 20) Methylene chloride | 0.00 | | 0 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | d | |
| 23) CFC-113 | 0.00 | | 0 | N.D. | d | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | d | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | d | |
| 26) Vinyl acetate | 0.00 | | 0 | N.D. | d | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 397 | 0.051 | ppbv | 98 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 212 | 0.054 | ppbv | 90 |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 475 | 0.052 | ppbv | 100 |
| 31) Ethyl acetate | 0.00 | | 0 | N.D. | d | |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 300m | 0.051 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 416 | 0.052 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 400 | 0.049 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 726m | 0.058 | ppbv | |
| 38) Cyclohexane | 0.00 | | 0 | N.D. | d | |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 281m | 0.048 | ppbv | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

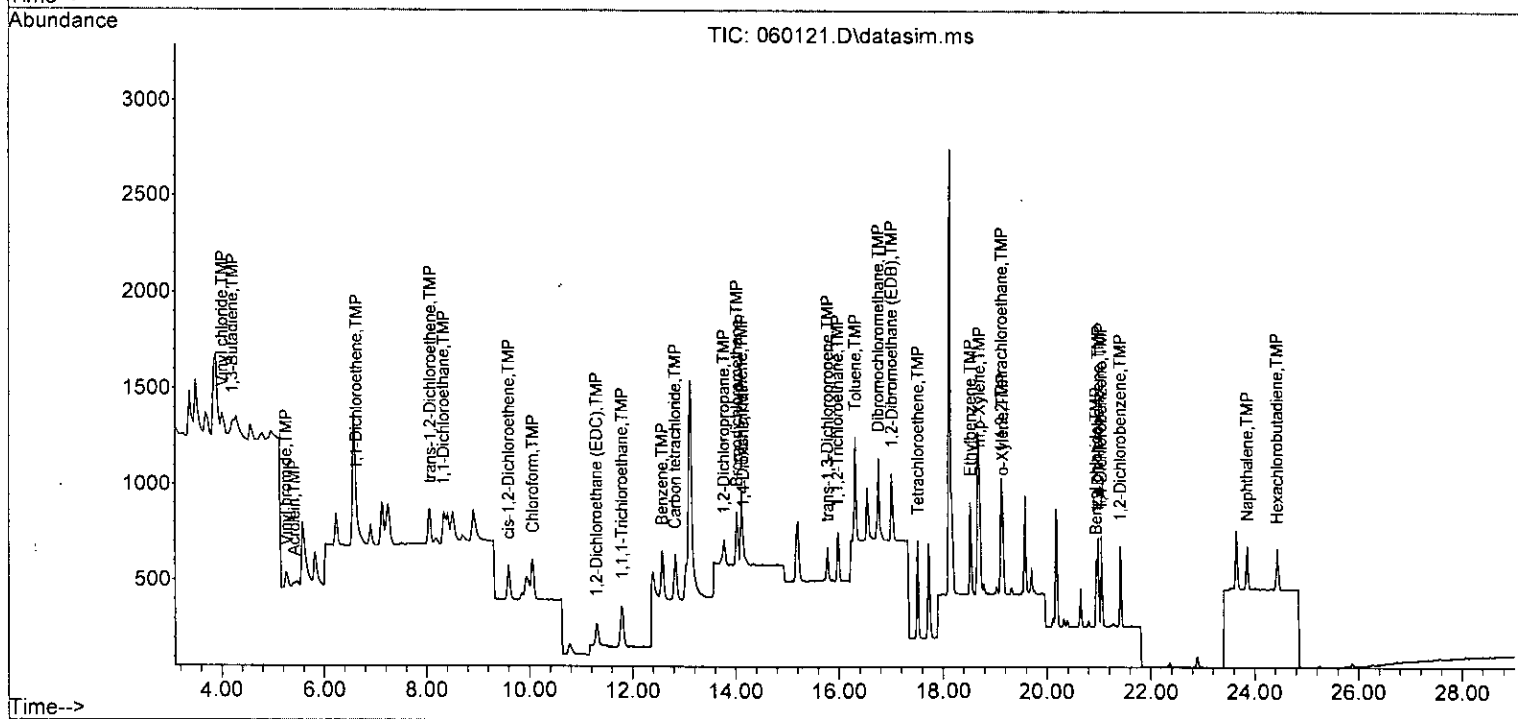
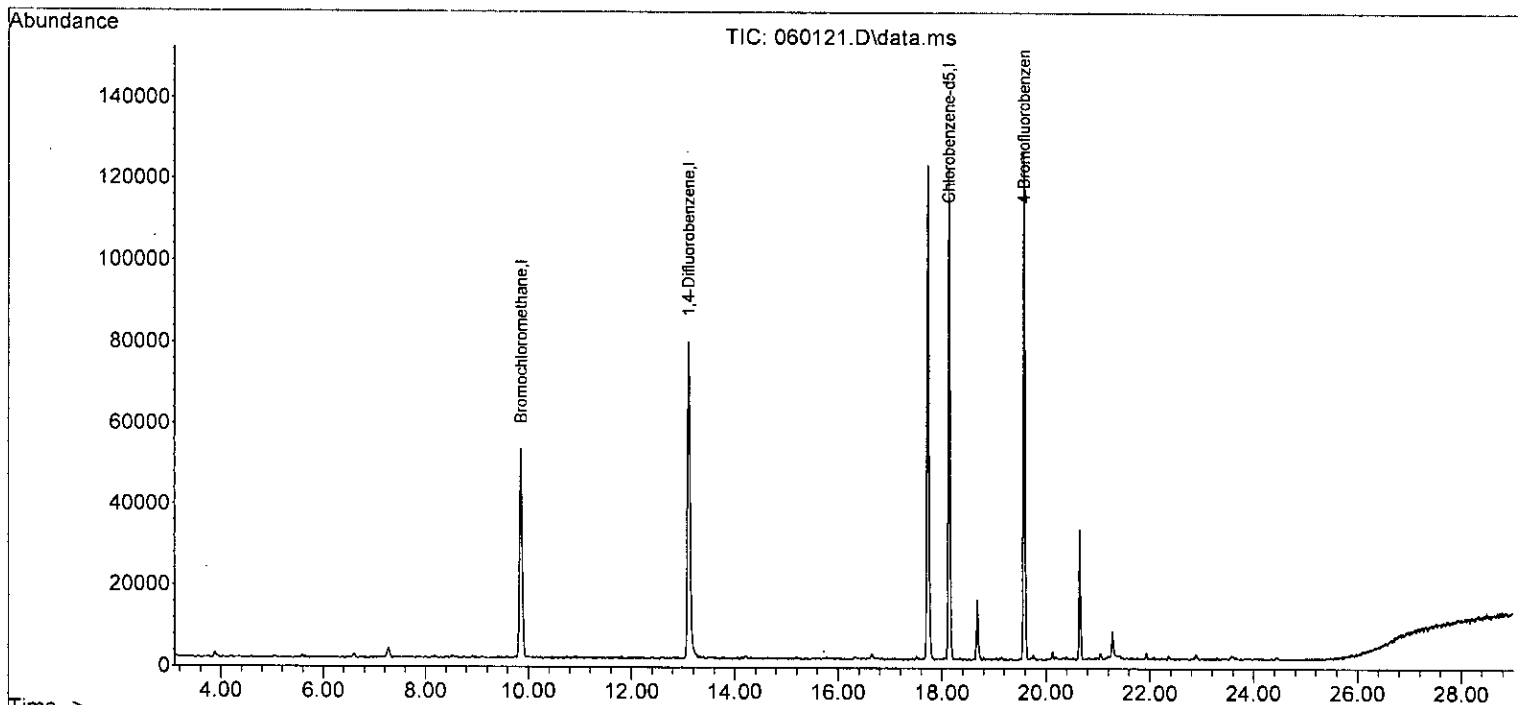
Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41] 1,4-Dioxane | 14.14 | 88 | 133 | 0.051 | ppbv | 92 |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | d | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | d | |
| 44) Heptane | 0.00 | | 0 | N.D. | d | |
| 45] Bromodichloromethane | 14.02 | 83 | 465 | 0.049 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 312 | 0.052 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 344 | 0.050 | ppbv | 93 |
| 50] Toluene | 16.31 | 92 | 413m | 0.053 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 273 | 0.048 | ppbv | 96 |
| 52) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 53] Tetrachloroethene | 17.52 | 164 | 233m | 0.049 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 447 | 0.048 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 462m | 0.050 | ppbv | |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | d | |
| 58] Ethylbenzene | 18.53 | 91 | 728 | 0.051 | ppbv | 99 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 648 | 0.051 | ppbv | 93 |
| 60) Nonane | 0.00 | | 0 | N.D. | d | |
| 61) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 63) Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Ethyltoluene | 0.00 | | 0 | N.D. | d | |
| 65] m,p-Xylene | 18.70 | 106 | 606 | 0.118 | ppbv | 98 |
| 66] o-Xylene | 19.15 | 106 | 231 | 0.053 | ppbv | 91 |
| 67) Styrene | 0.00 | | 0 | N.D. | d | |
| 68) Bromoform | 0.00 | | 0 | N.D. | d | |
| 70] Benzyl chloride | 20.95 | 91 | 523 | 0.047 | ppbv | 91 |
| 71) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 431 | 0.049 | ppbv | 91 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 401 | 0.049 | ppbv | 89 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 404 | 0.048 | ppbv | 94 |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 77] Naphthalene | 23.86 | 128 | 453 | 0.045 | ppbv | 98 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 455 | 0.050 | ppbv | 98 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060121.D
 Acq On : 2 Jun 2023 1:46 am
 Operator : bat
 Sample : 0.05 ppbv T015 69-62-d
 Misc : T3
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

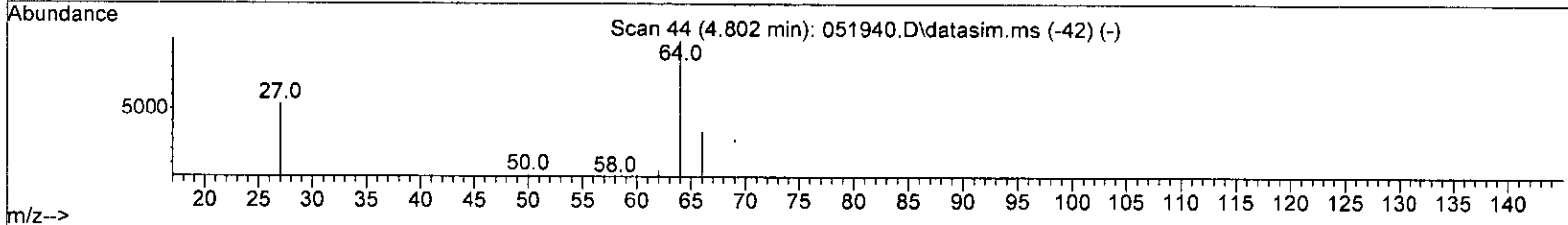
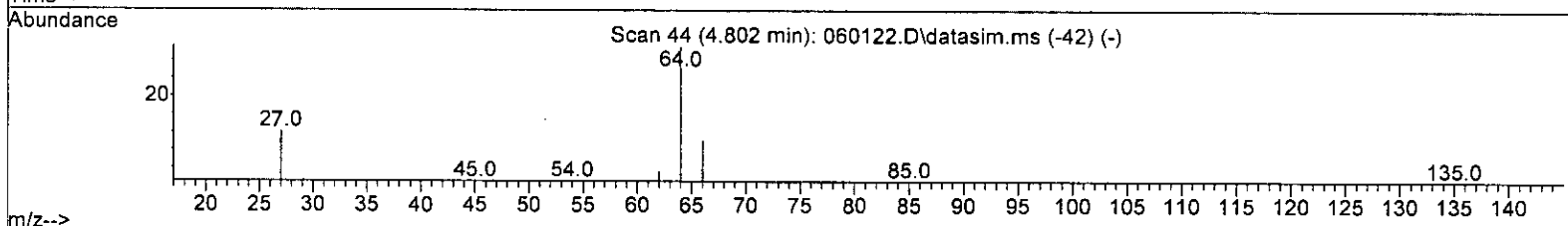
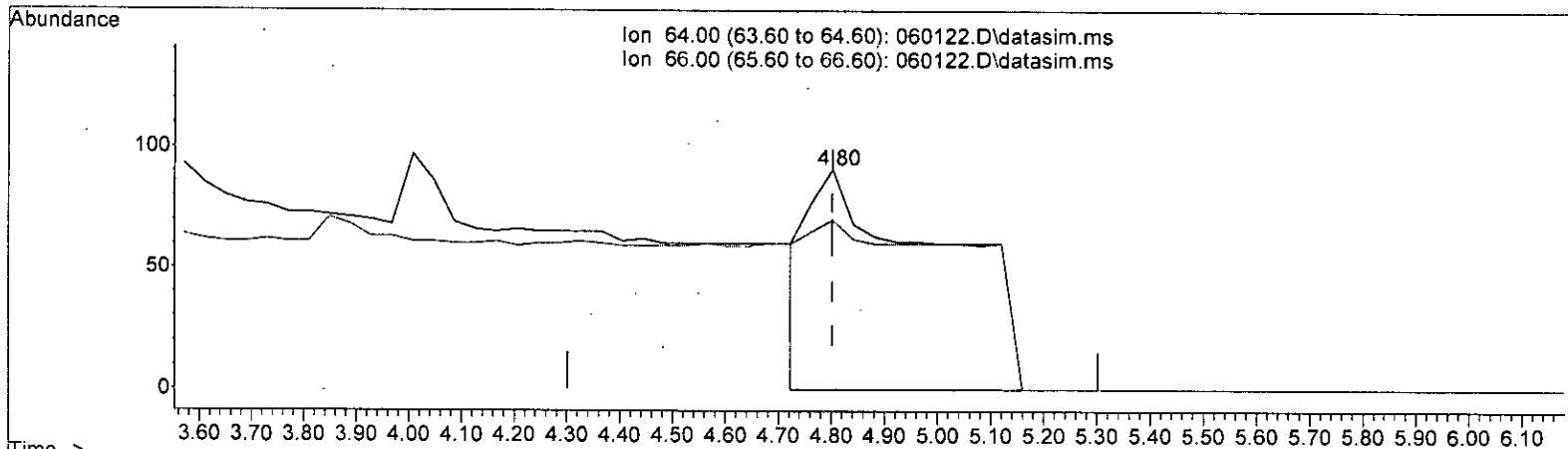
Quant Time: Jun 06 12:00:37 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 Qlast Update : Fri Jun 02 18:46:29 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

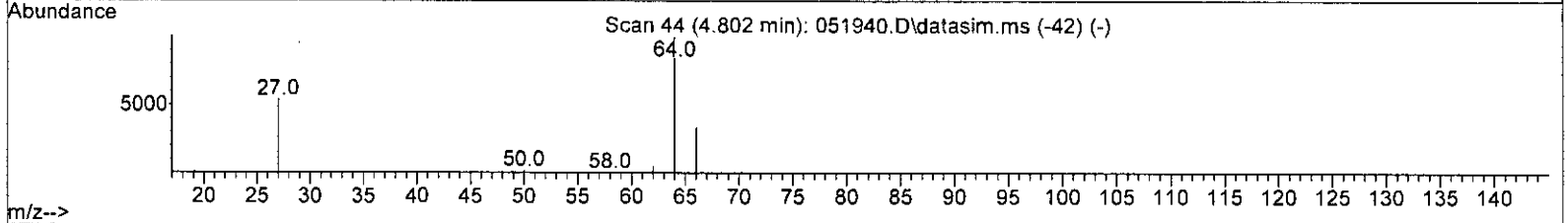
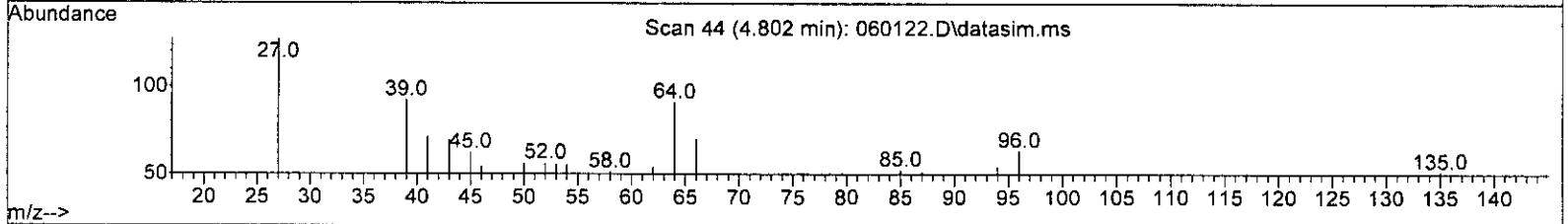
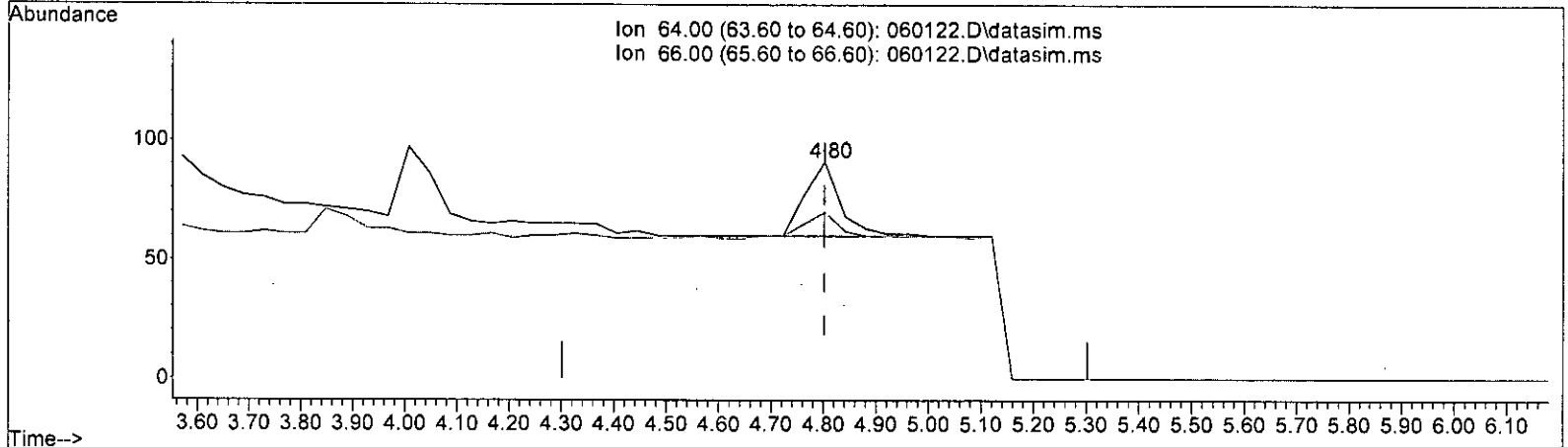
| (10) Chloroethane (TMP) | | |
|-------------------------|--------|--------|
| 4.802min (+ 0.000) | 0.984 | ppbv |
| response | 1509 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 76.92# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 JLM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv TO15 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060122.D\data.ms

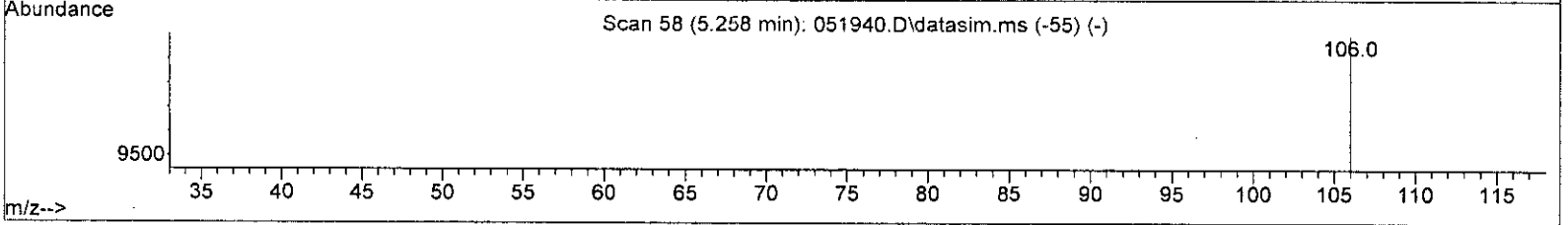
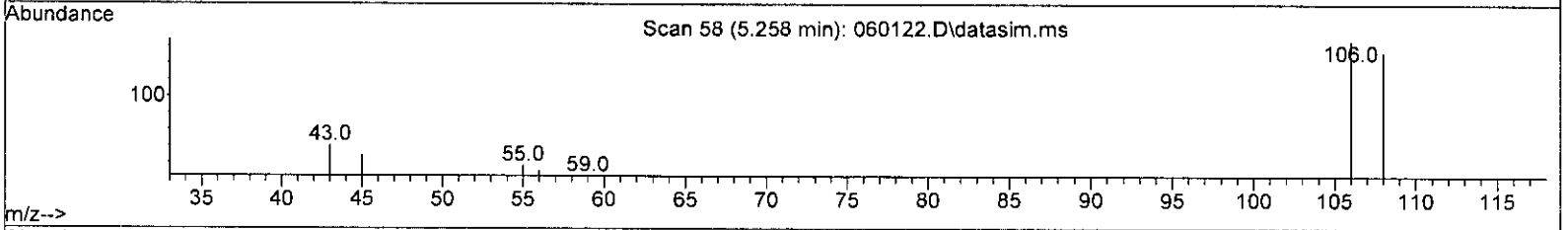
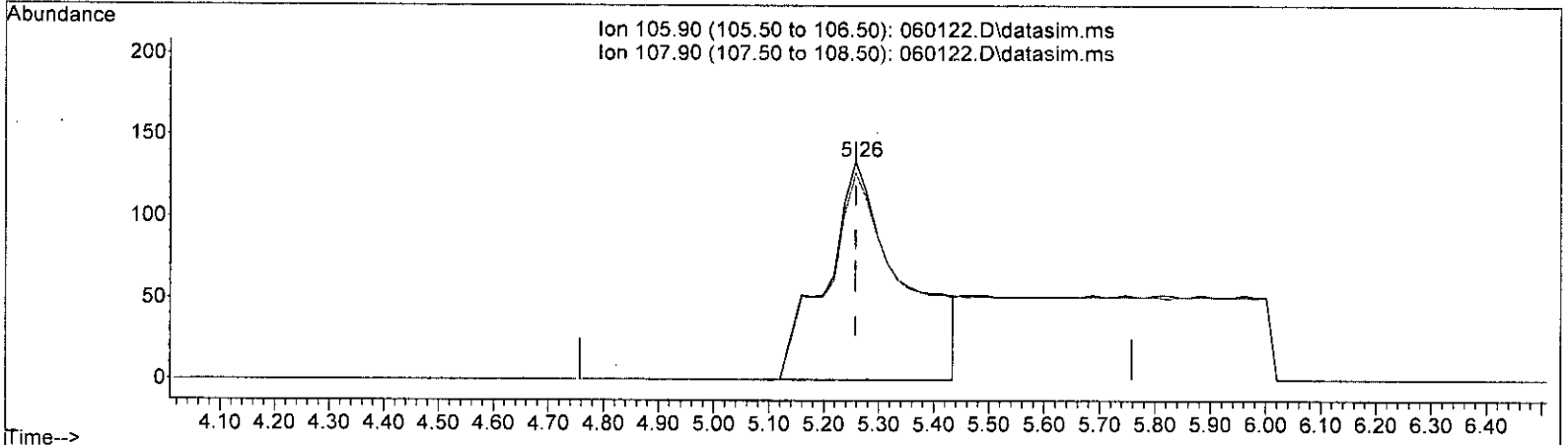
| (10) Chloroethane (TMP) | | |
|-------------------------|--------------|--------|
| Retention Time | Expected | Actual |
| 4.802min (+ 0.000) | 0.093 ppbv m | |
| response | 143 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 76.92# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

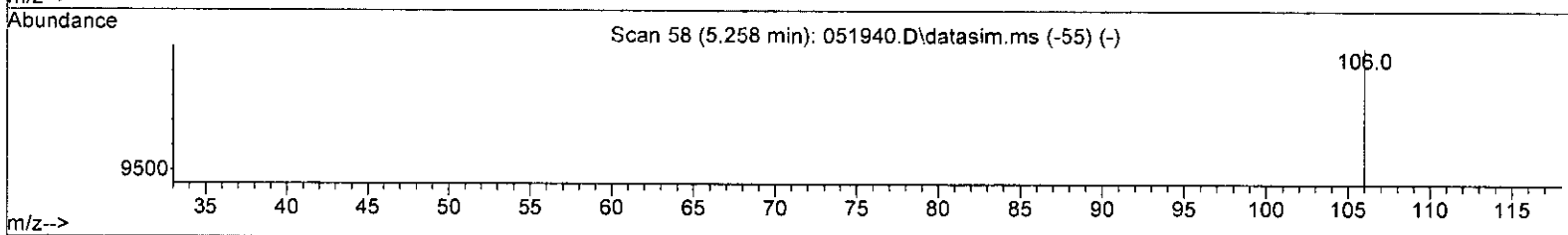
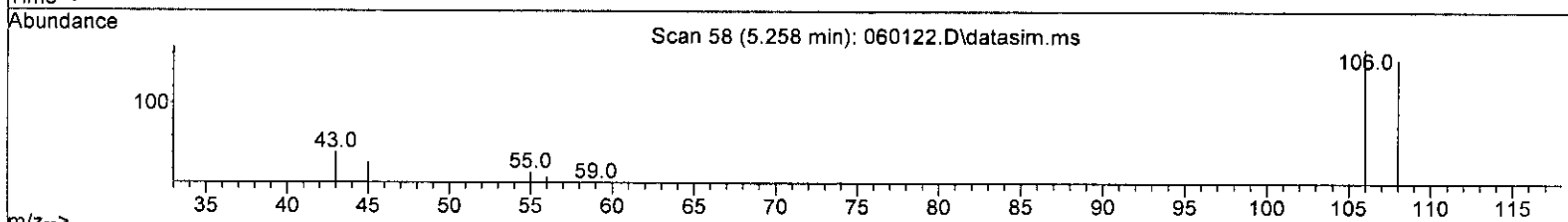
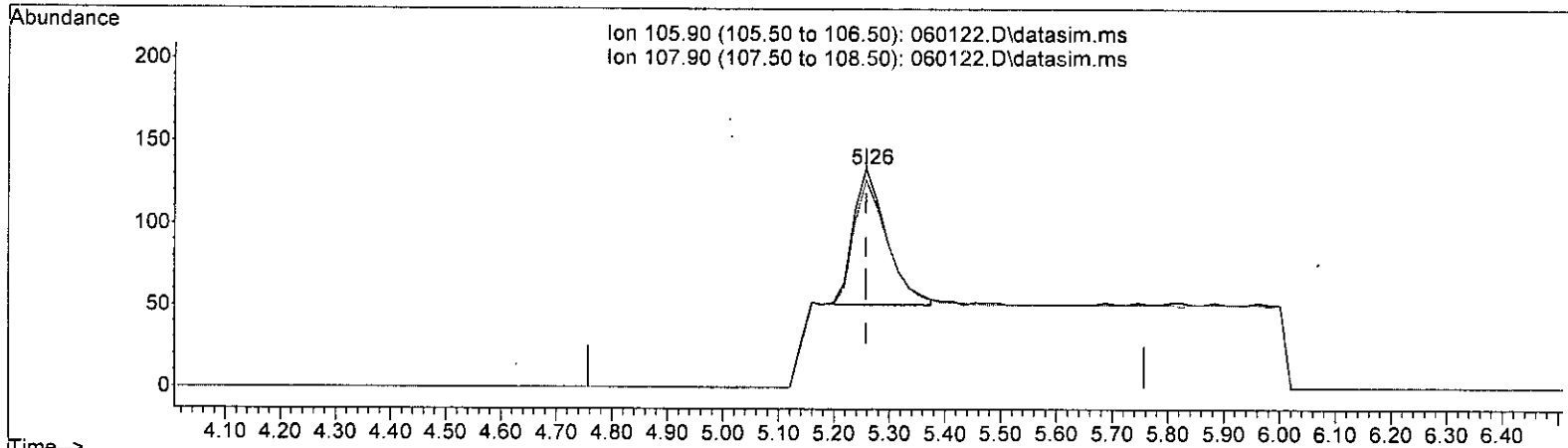
| | | |
|---|--------|--------|
| (11) Vinyl bromide (TMP) | | |
| 5.258min (-0.000) 0.381 ppbv | | |
| response | 1412 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 105.81 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 Jm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 0.093 ppbv m

response 346

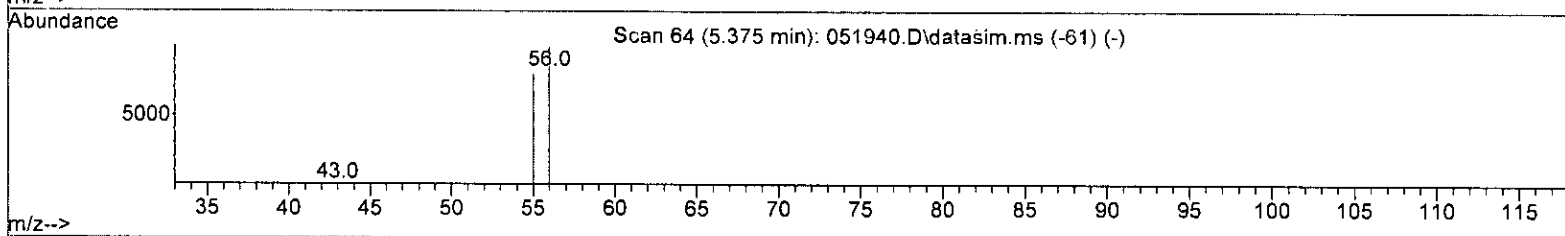
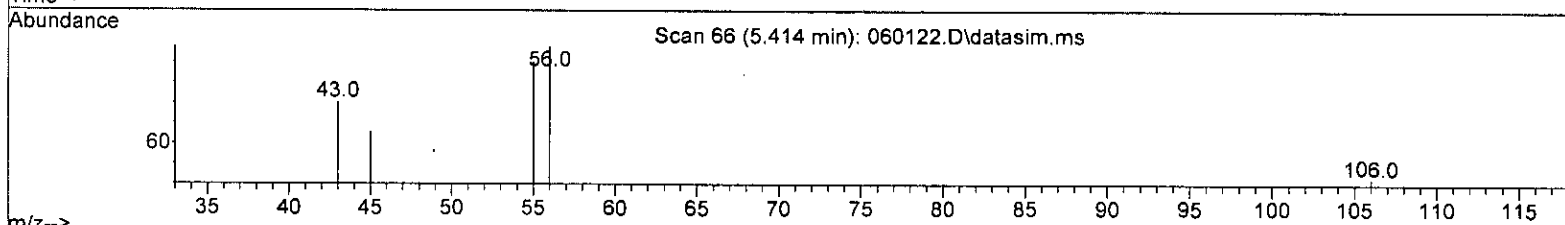
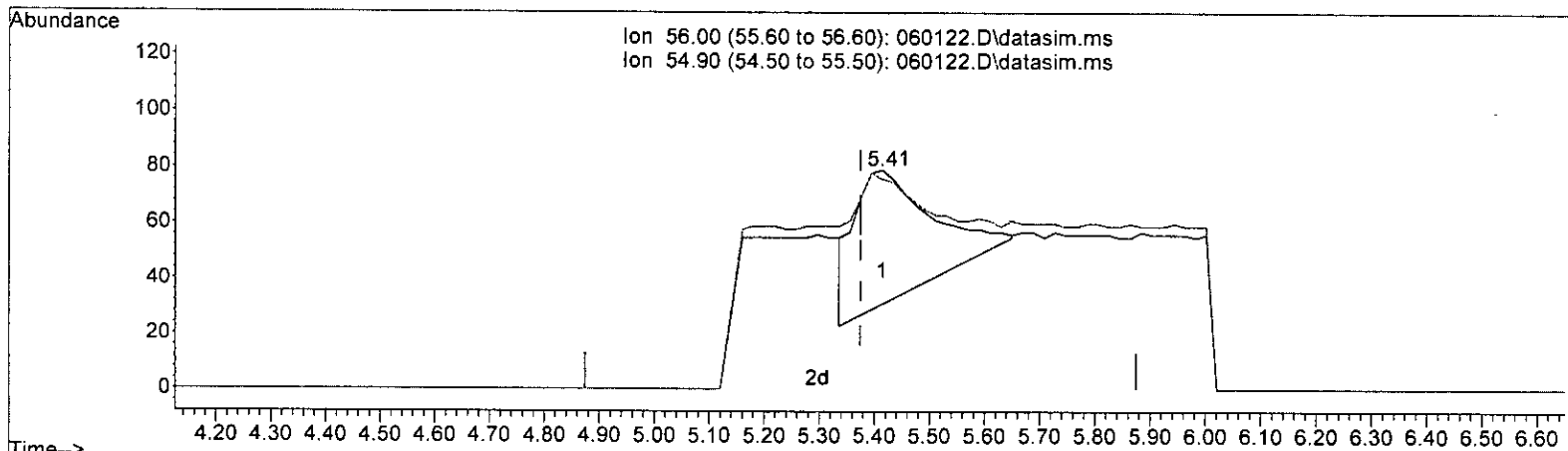
| Ion | Exp% | Act% |
|--------|--------|---------|
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 431.79# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 DM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

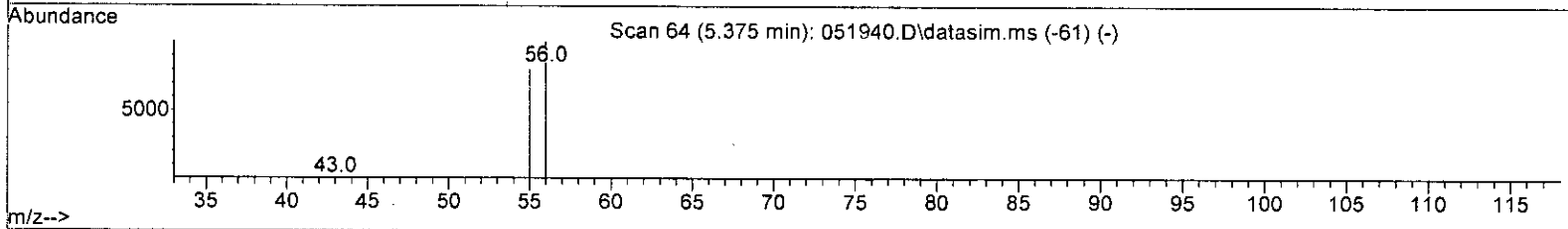
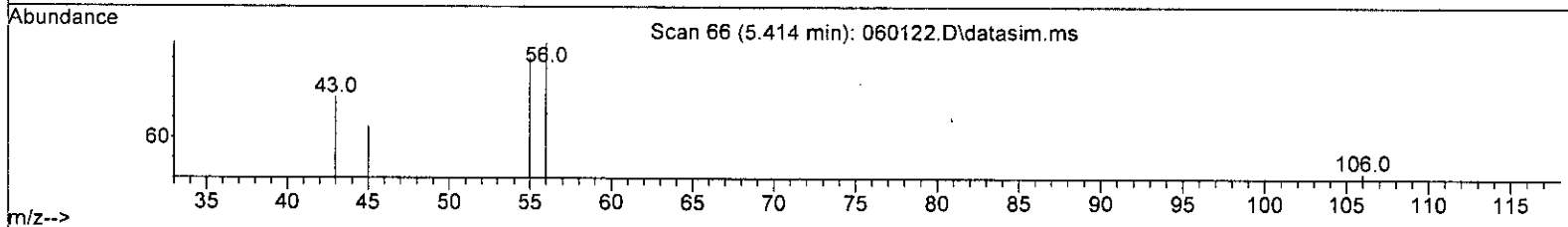
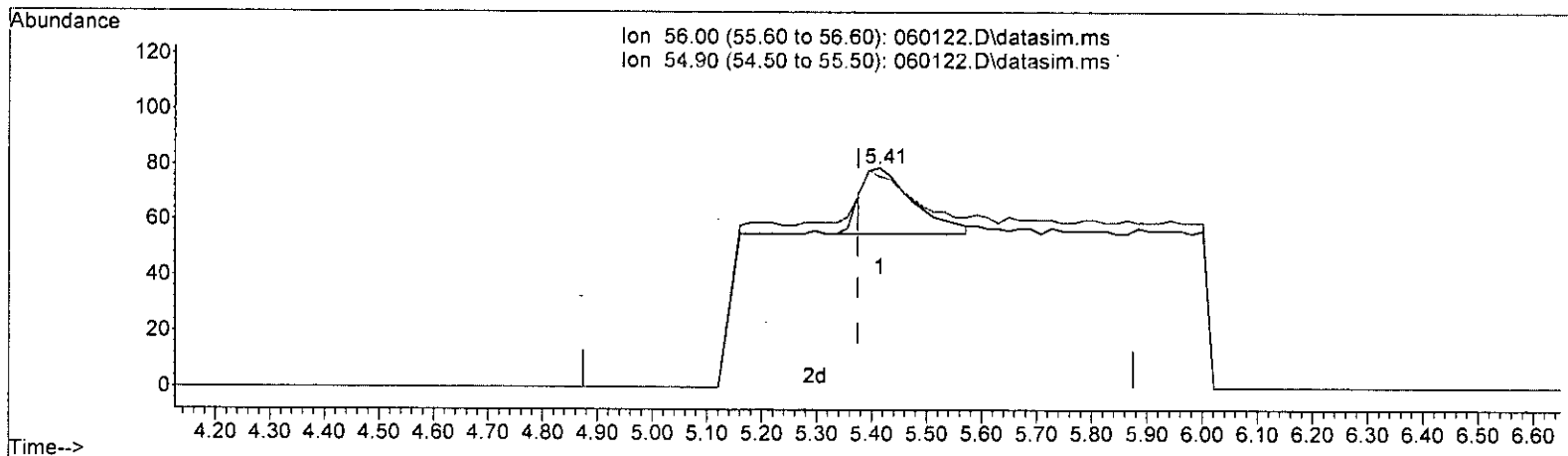
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.414min (+ 0.039) | 0.318 | ppbv |
| response | 473 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 26.22# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 Jm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

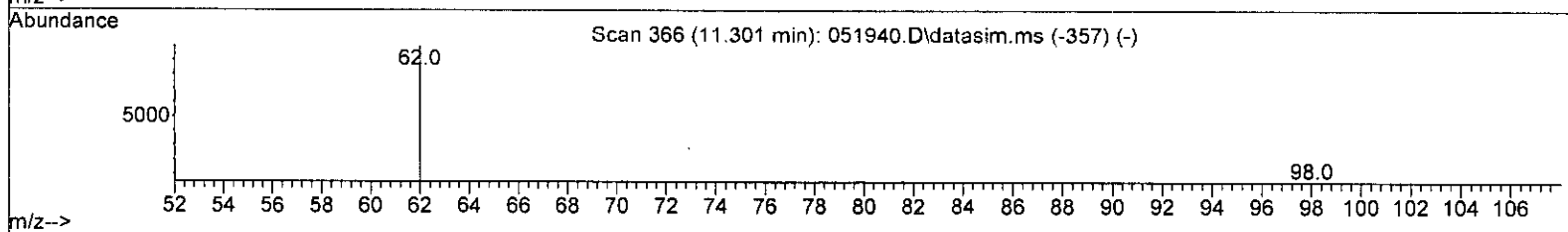
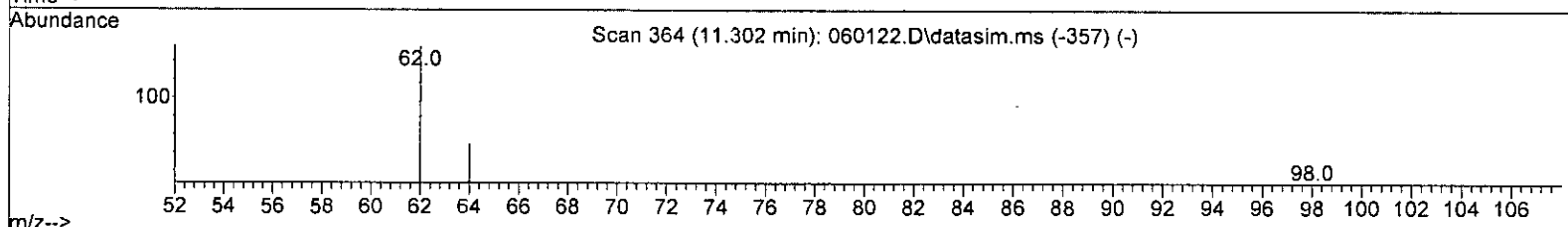
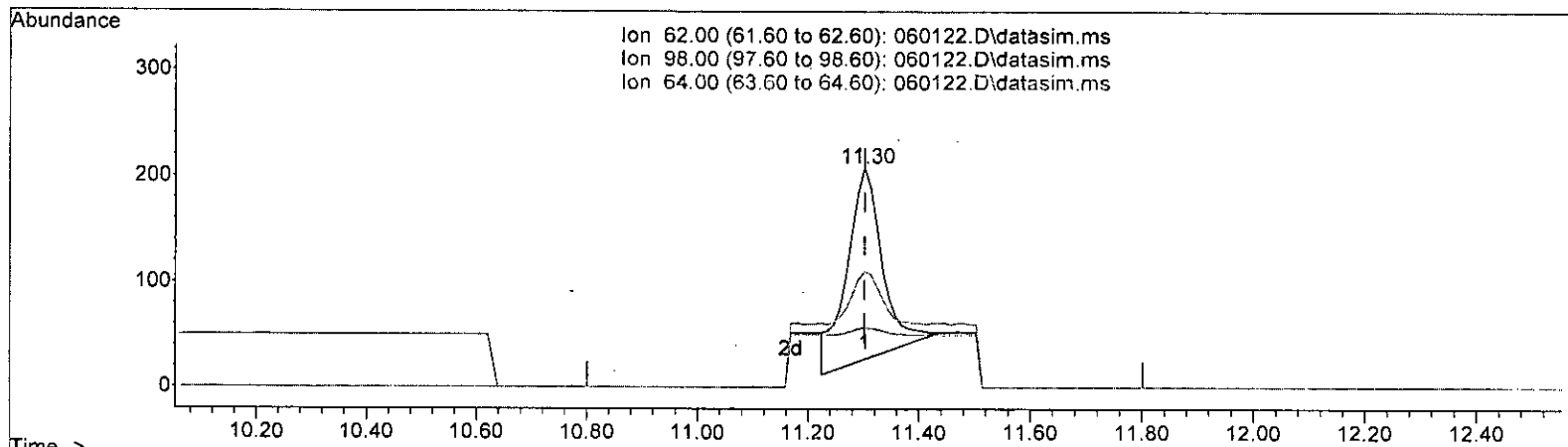
| (13) Acrolein (TMP) | | |
|---------------------|--------------|--------|
| 5.414min (+ 0.039) | 0.110 ppbv m | |
| response | 163 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 76.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 [Signature]

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(34): 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.141 ppbv

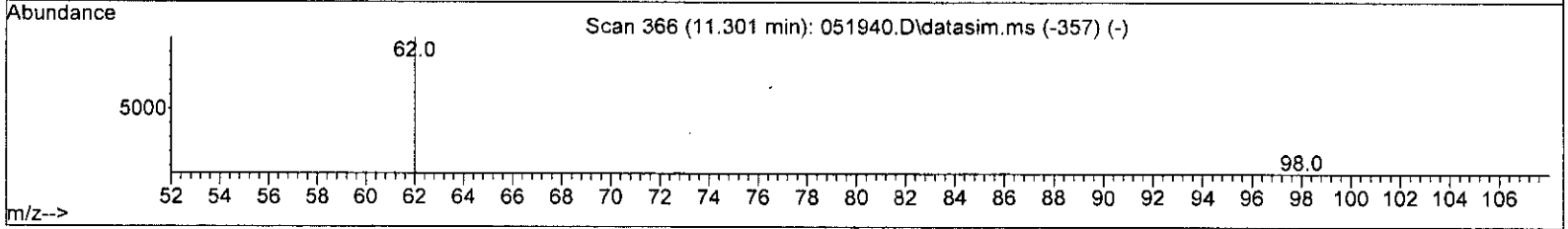
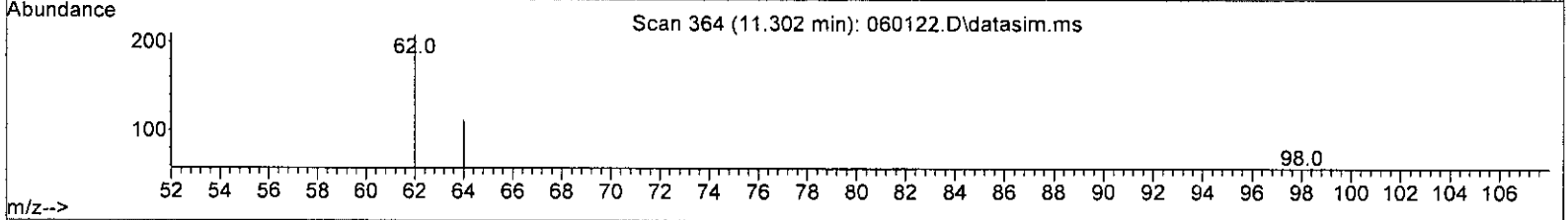
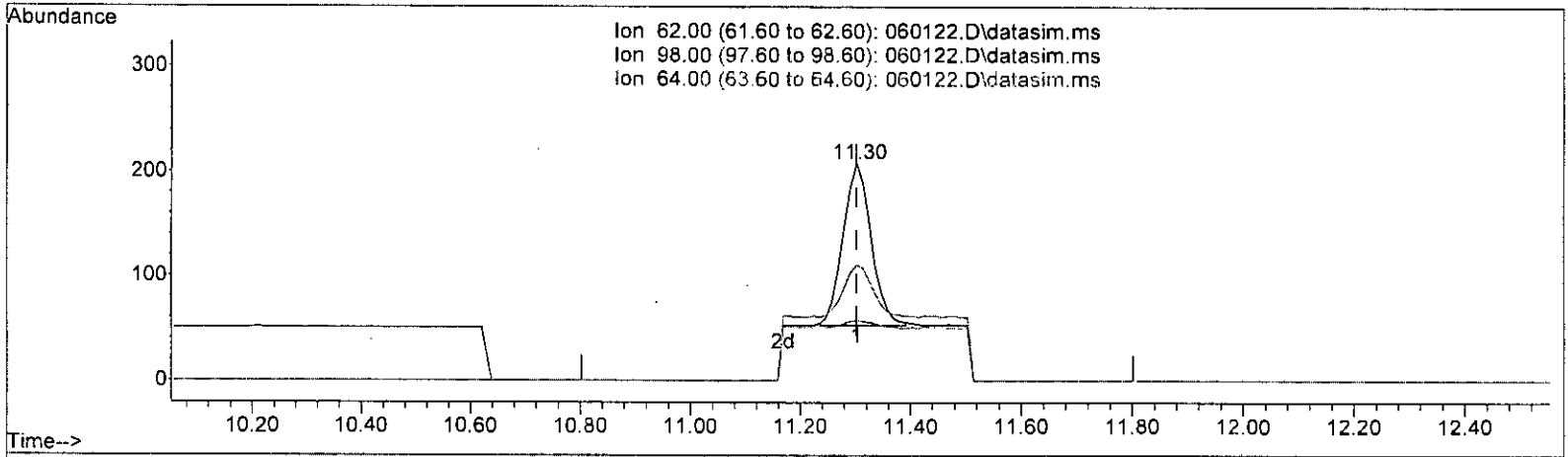
| response | 809 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 4.49 |
| 64.00 | 33.00 | 31.41 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.096 ppbv m

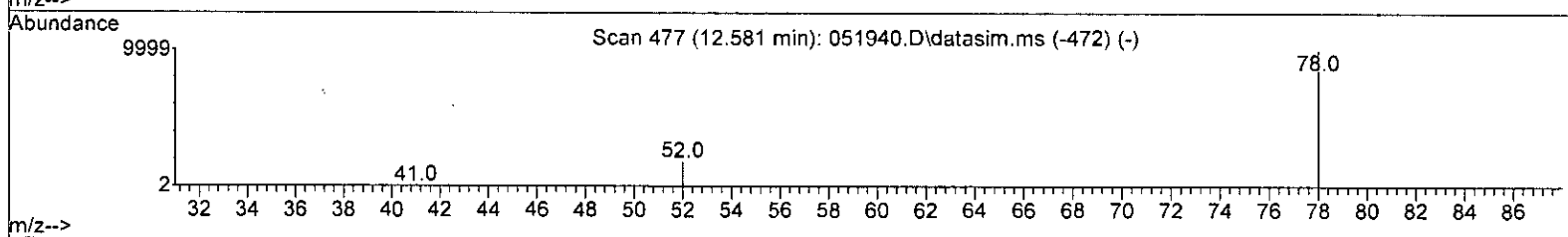
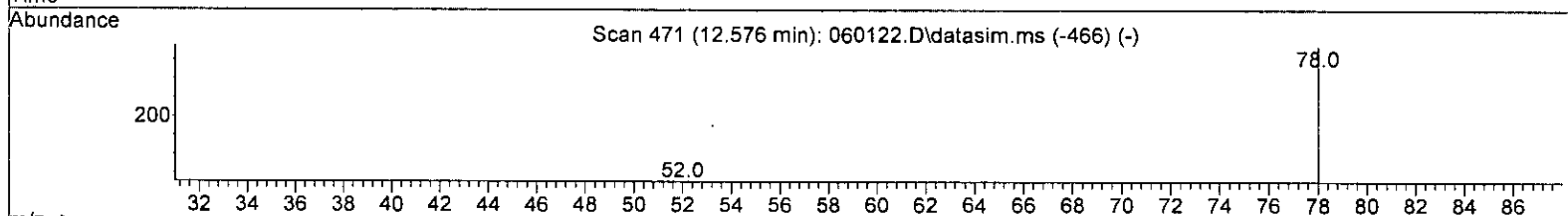
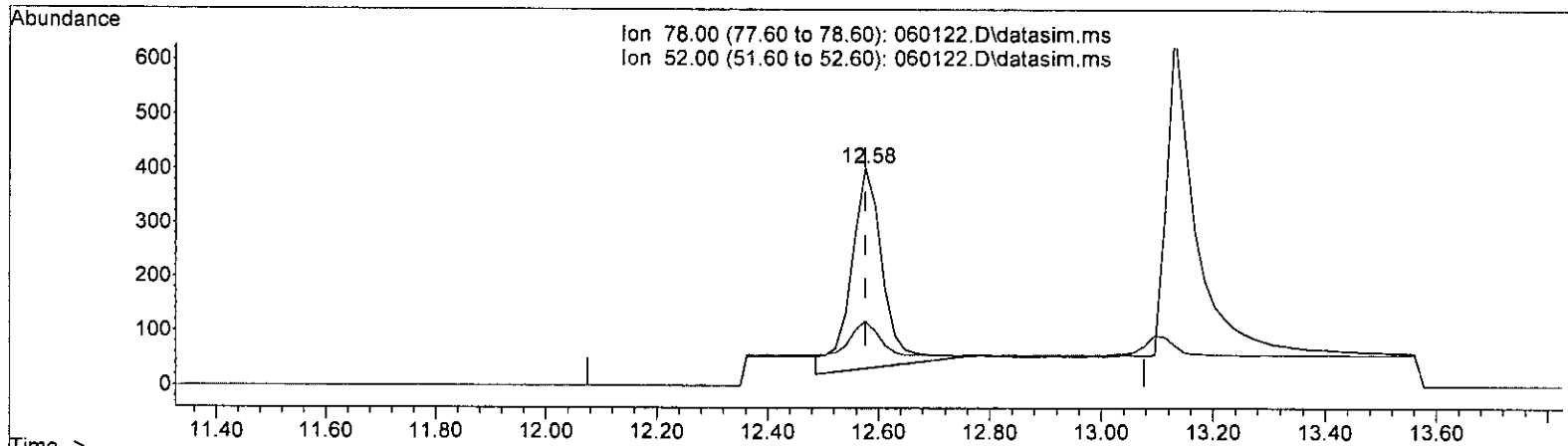
| response | 551 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 27.40 |
| 64.00 | 33.00 52.88 |
| 0.00 | 0.00 0.00 |

6/6/23

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

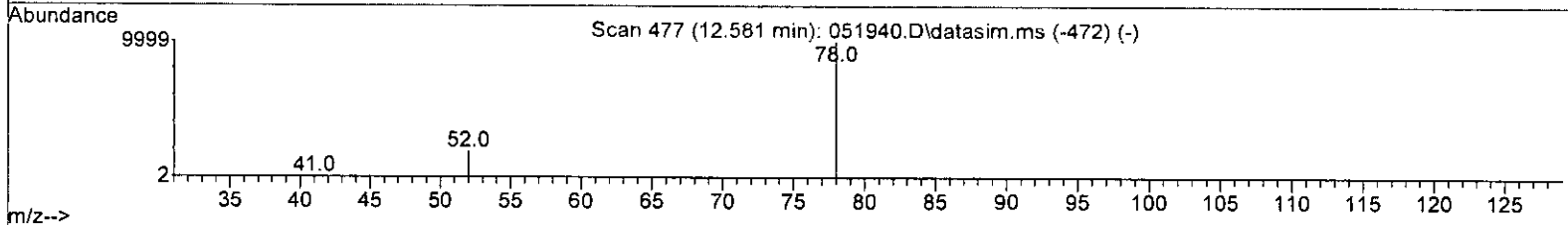
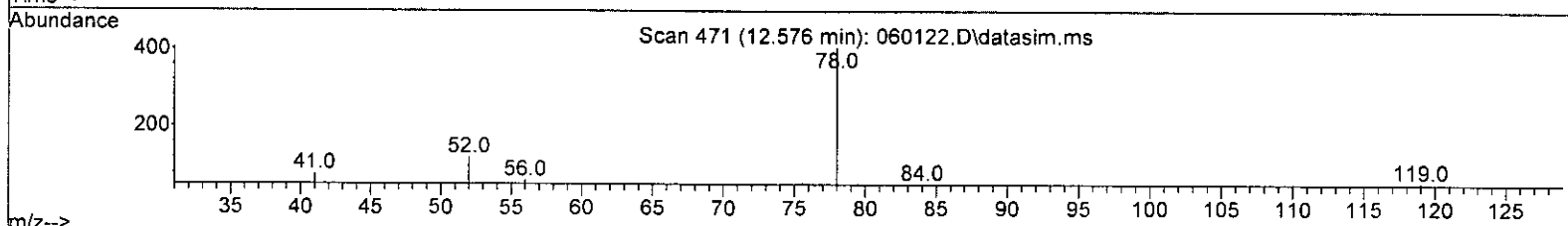
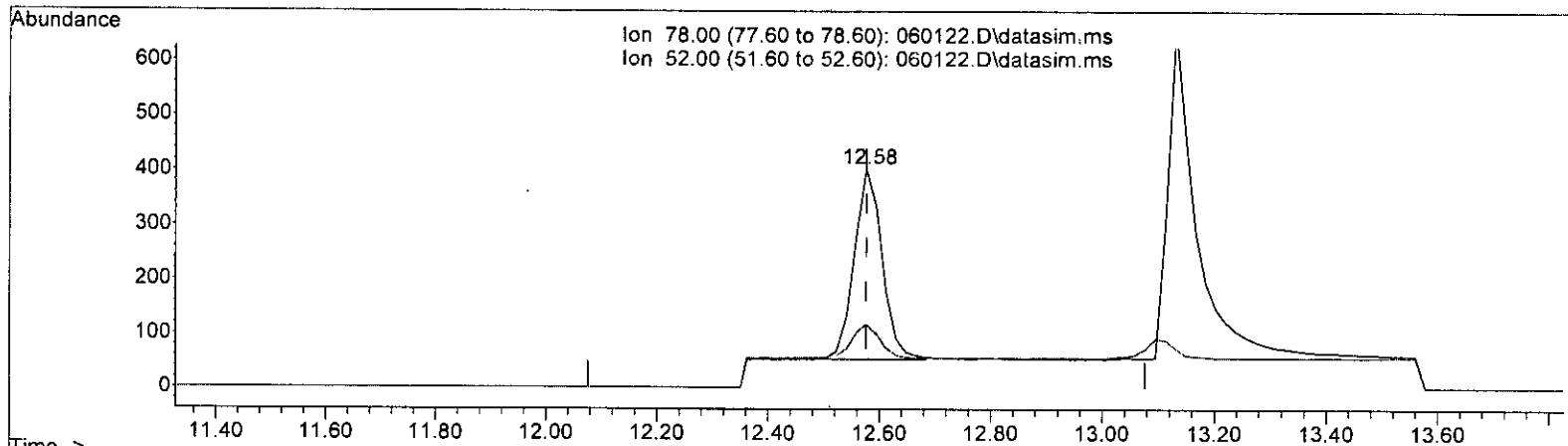
| (37) Benzene (TMP) | | |
|---------------------|------------|--------|
| 12.576min (+ 0.000) | 0.122 ppbv | |
| response | 1488 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 17.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

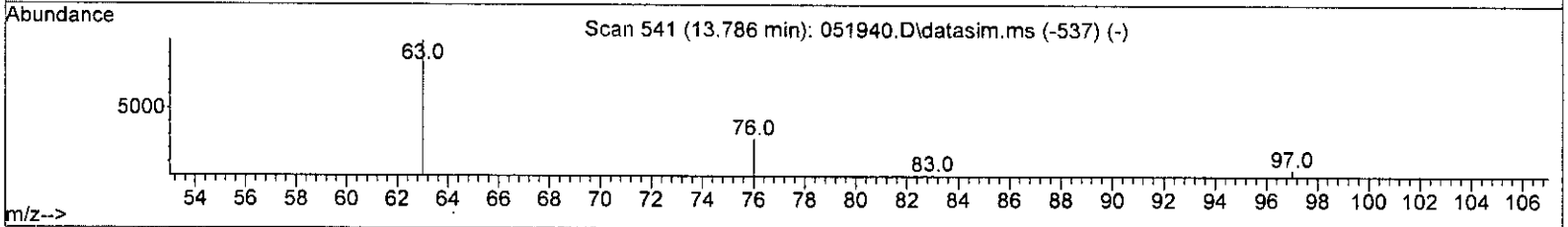
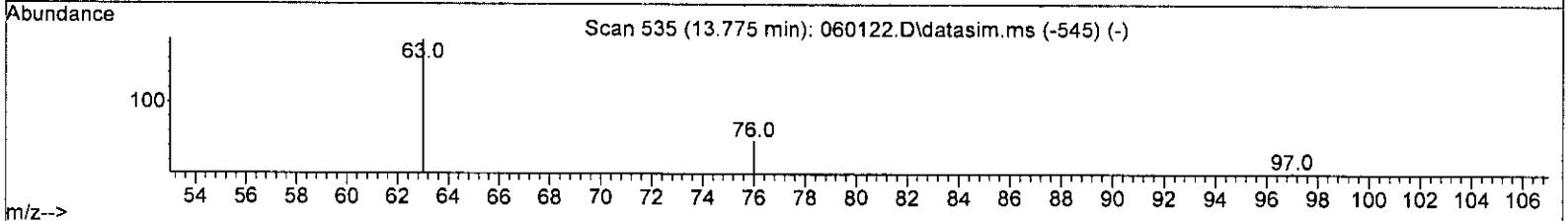
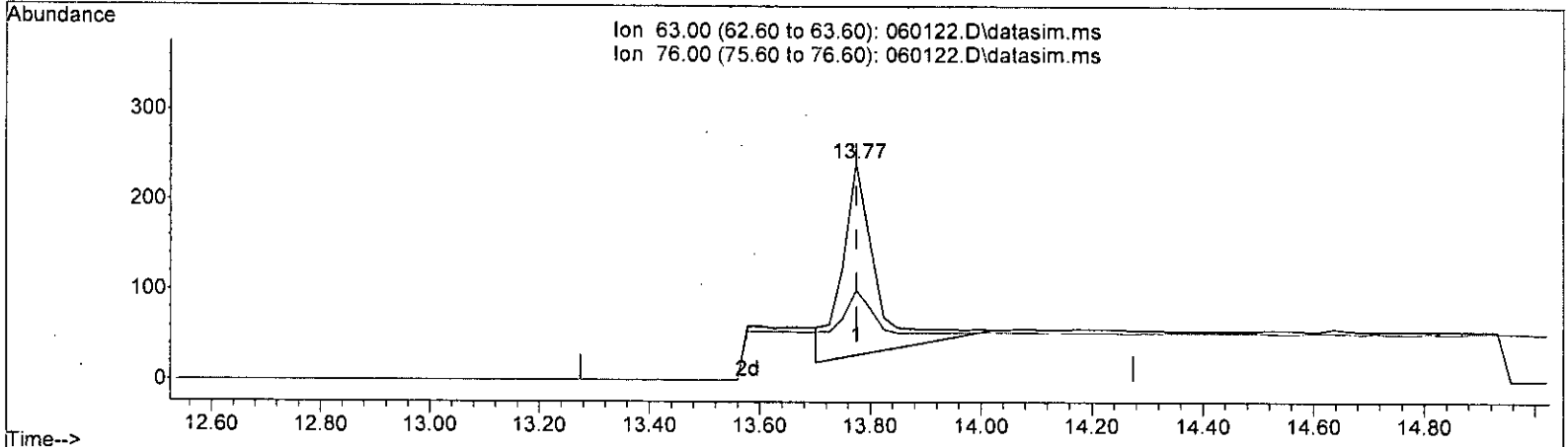
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.099 ppbv m | |
| response | 1214 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 29.28 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: H6 An

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

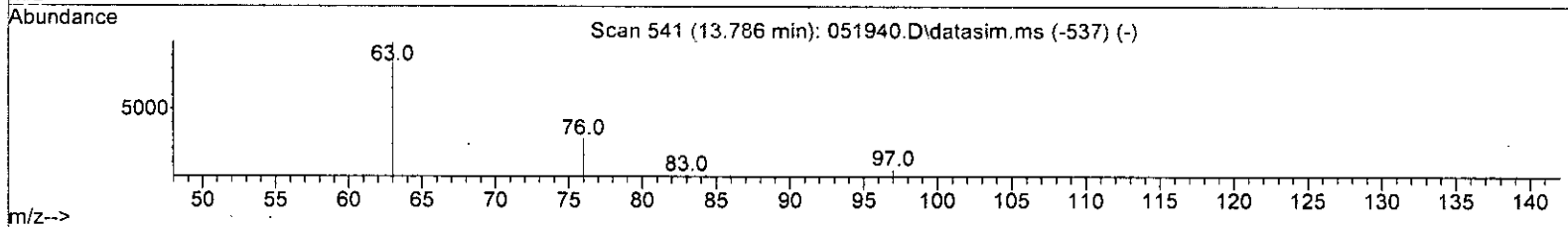
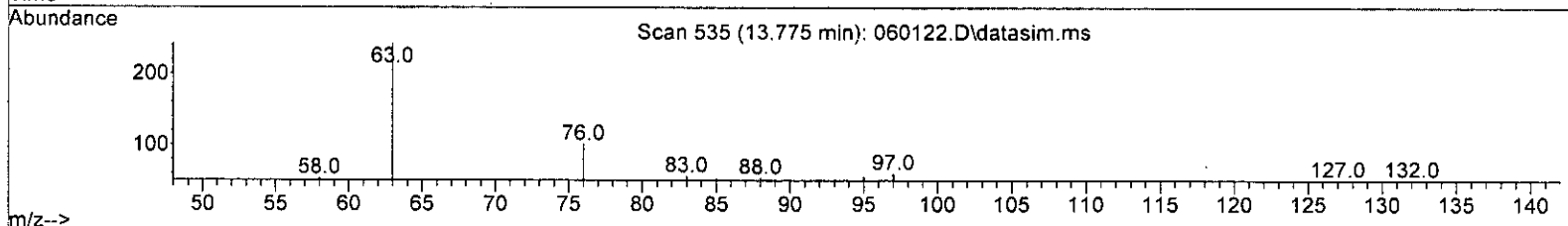
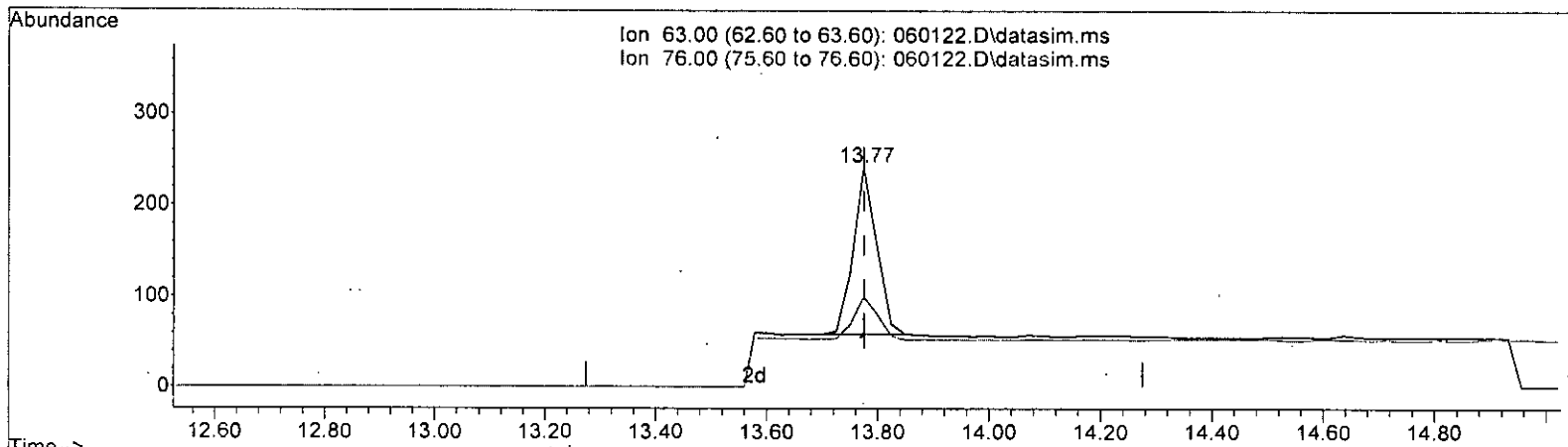
| (40) 1,2-Dichloropropane (TMP) | | | |
|--------------------------------|--------|--------|--|
| 13.775min (-0.000) 0.153 ppbv | | | |
| response | 907 | | |
| Ion | Exp% | Act% | |
| 63.00 | 100.00 | 100.00 | |
| 76.00 | 25.70 | 25.27 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 0.089 ppbv m

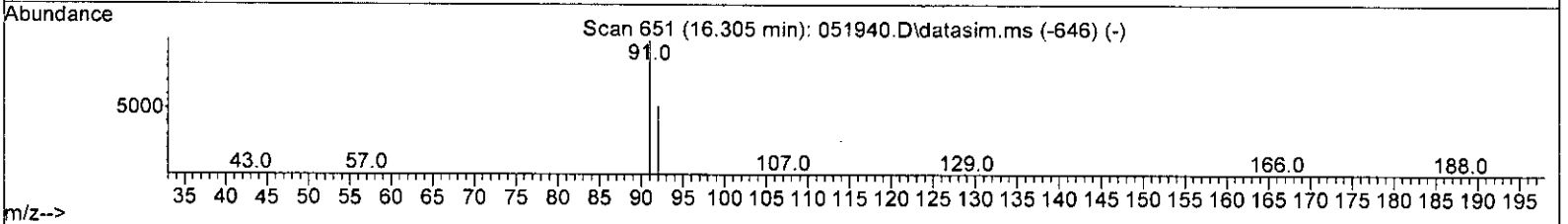
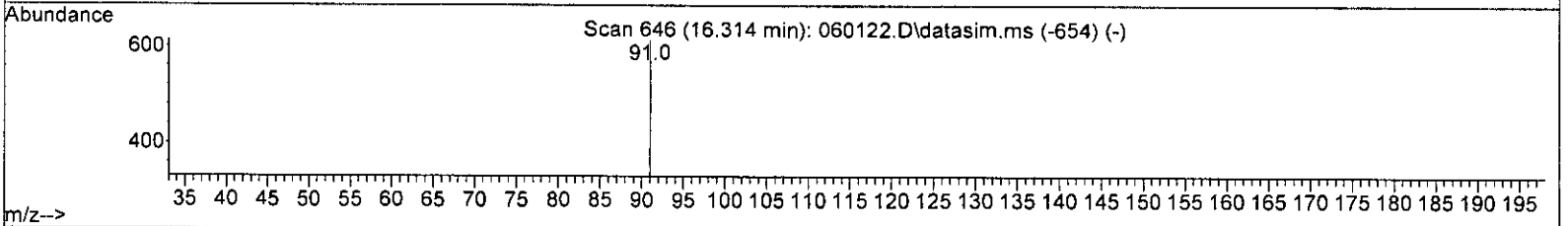
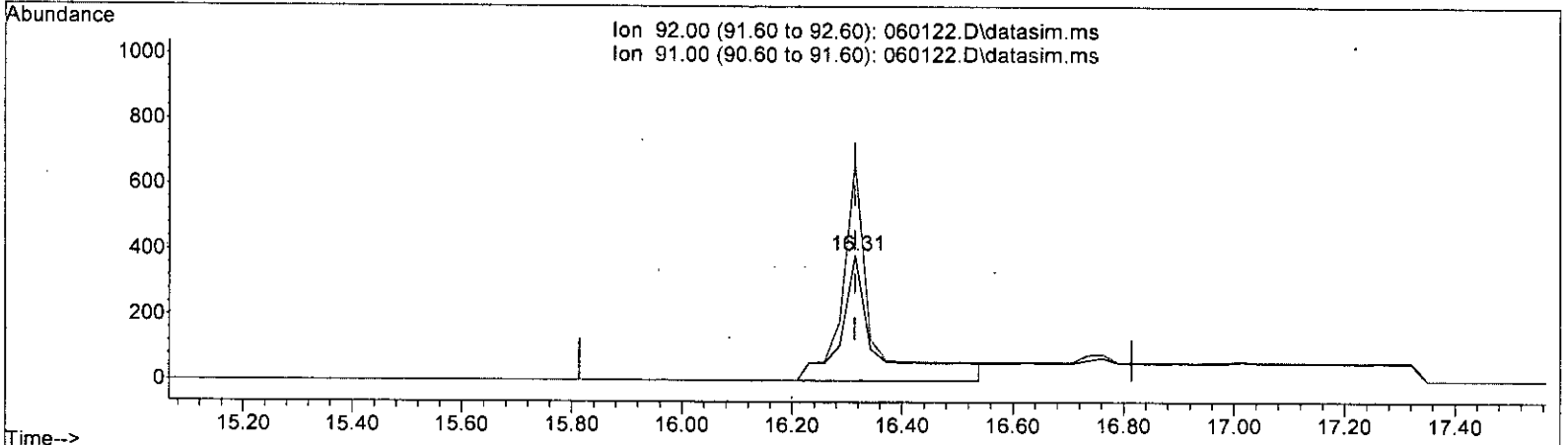
| response | 526 |
|----------|---------------|
| Ion | Exp% Act% |
| 63.00 | 100.00 100.00 |
| 76.00 | 25.70 41.32 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

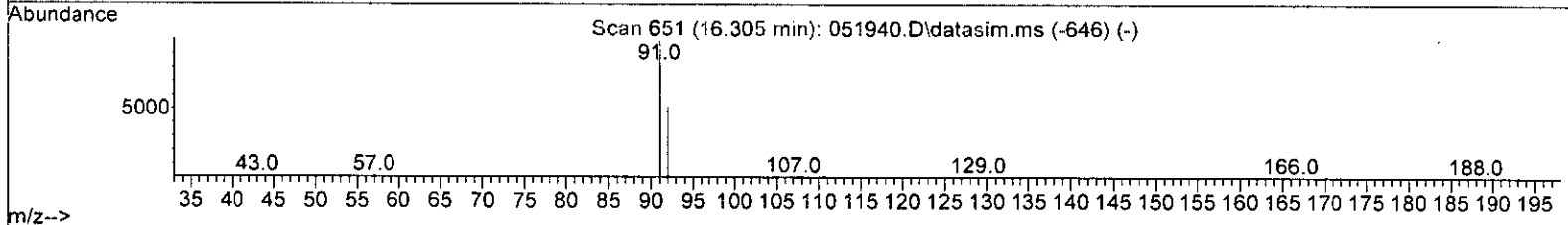
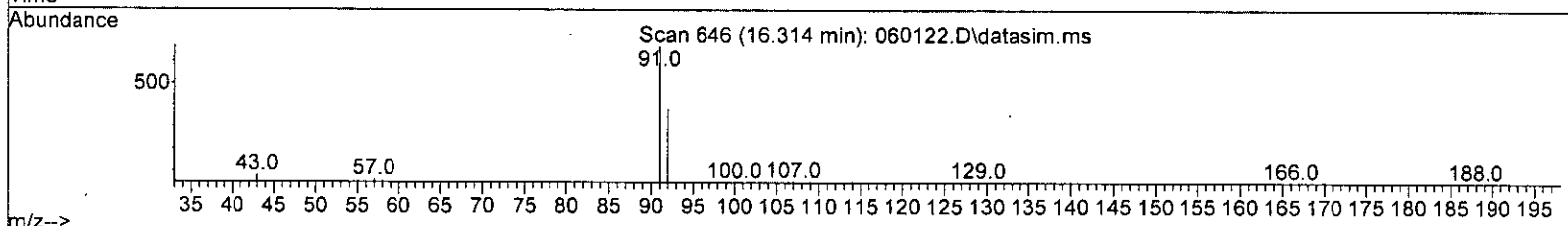
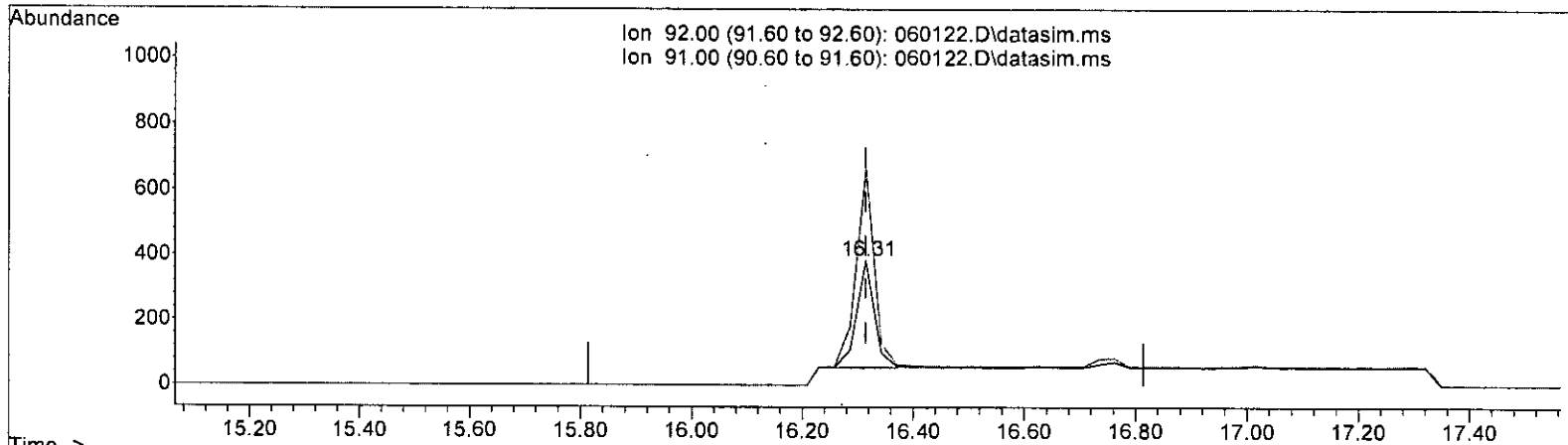
| (50) Toluene (TMP) | | |
|---------------------|--------|------------|
| 16.314min (+ 0.000) | | 0.225 ppbv |
| response | 1763 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 173.77# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

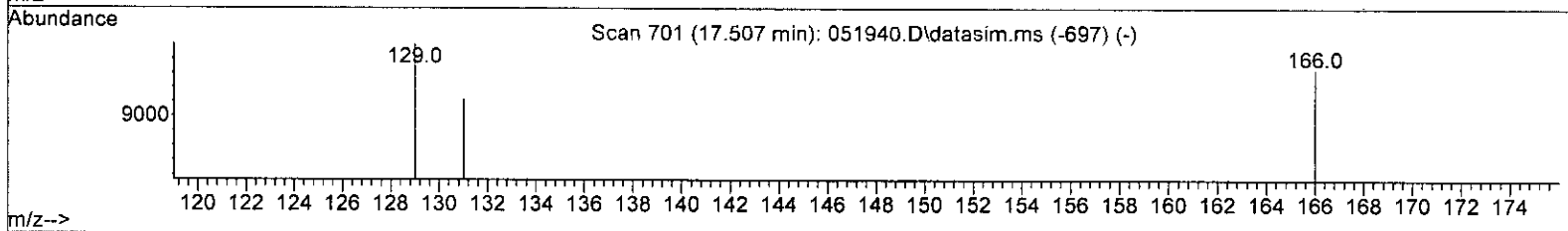
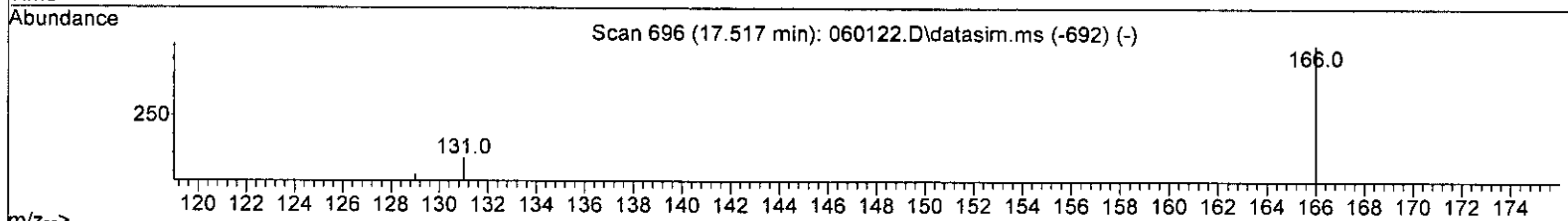
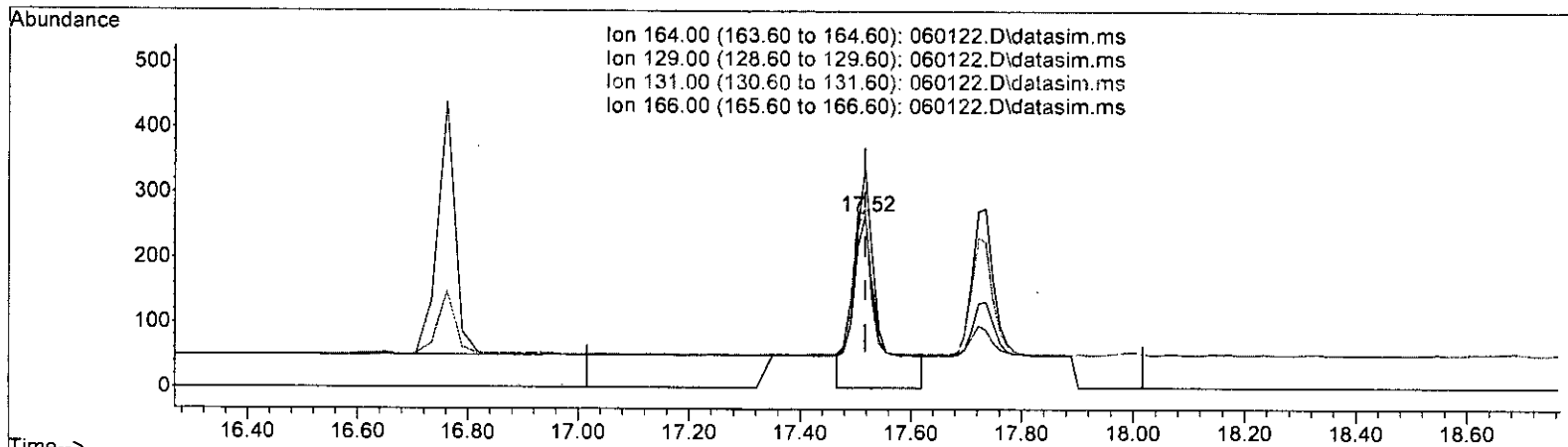
| (50) Toluene (TMP) | | | |
|---------------------|--------------|---------|--|
| 16.314min (+ 0.000) | 0.093 ppbv m | | |
| response | 729 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 173.77# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.189 ppbv

response 906

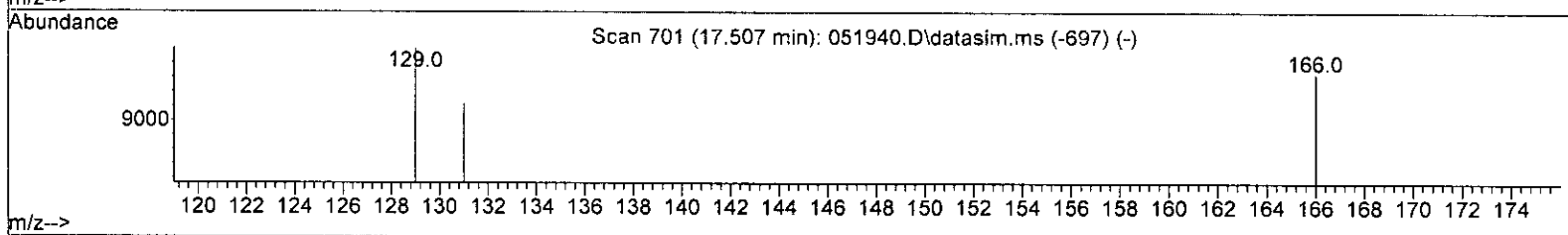
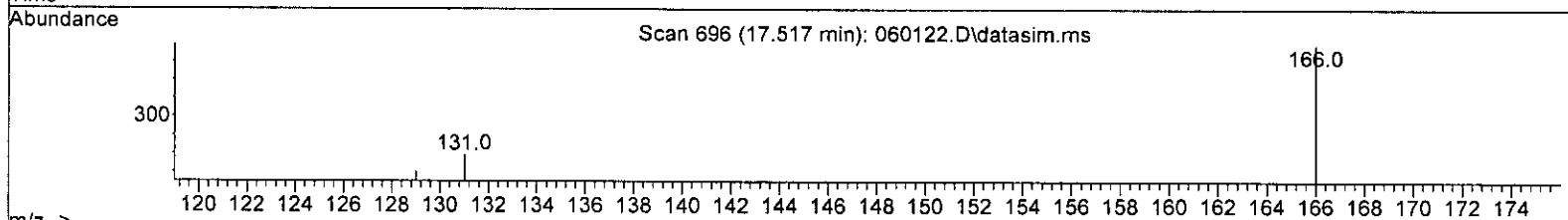
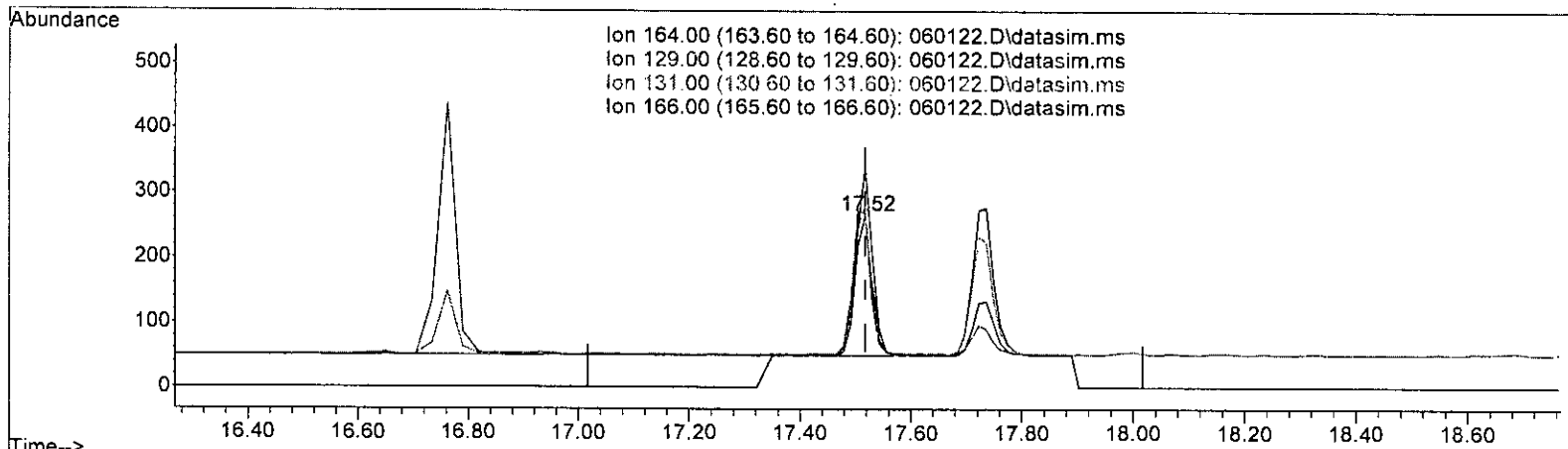
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 101.40 |
| 131.00 | 100.70 | 106.05 |
| 166.00 | 137.50 | 134.42 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.092 ppbv m

response 443

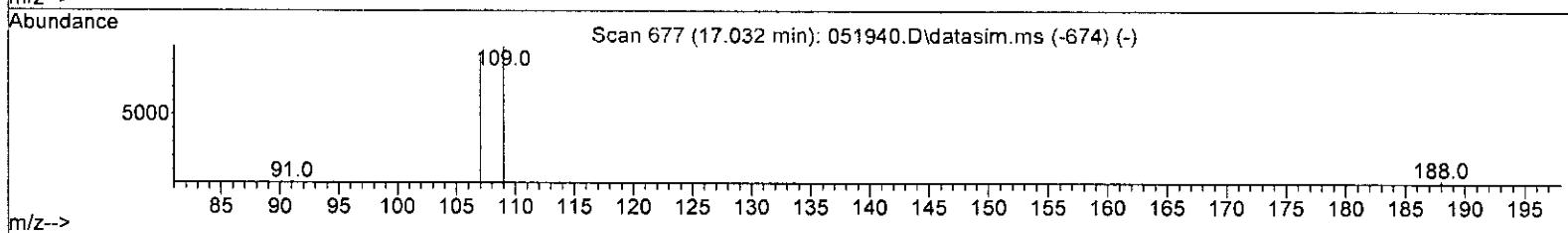
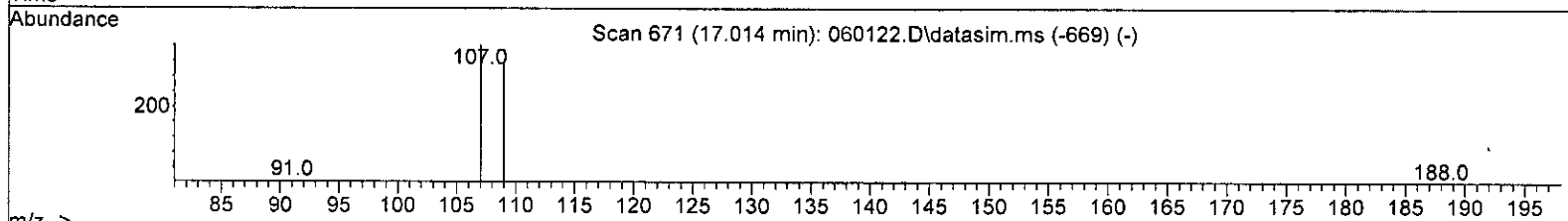
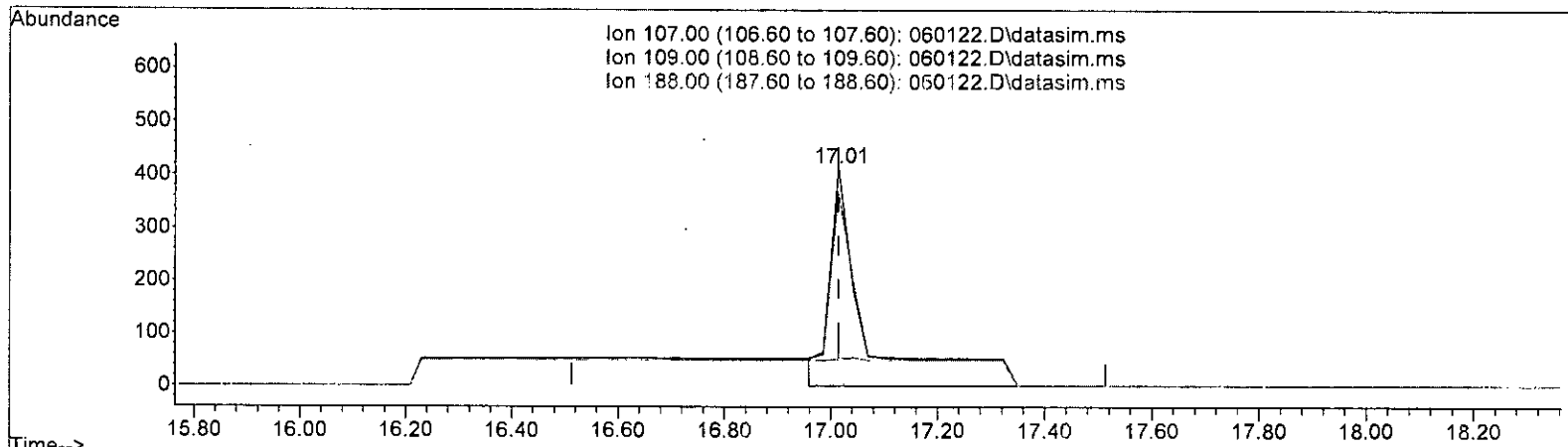
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 101.89 |
| 131.00 | 100.70 | 105.28 |
| 166.00 | 137.50 | 127.92 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.208 ppbv

response 1921

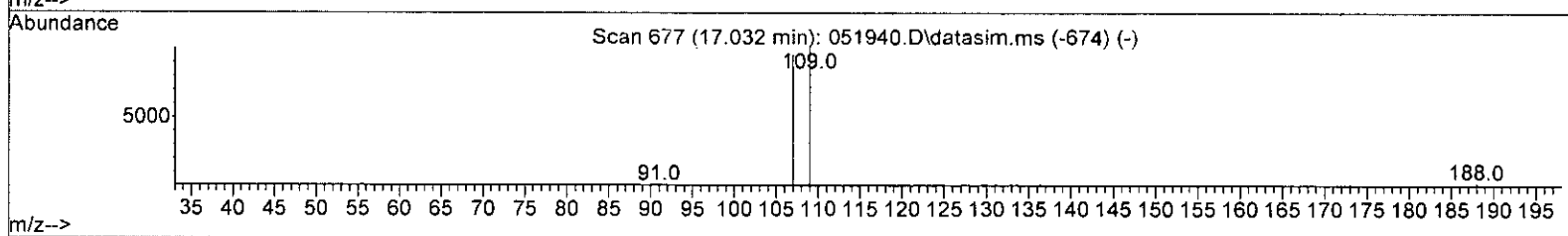
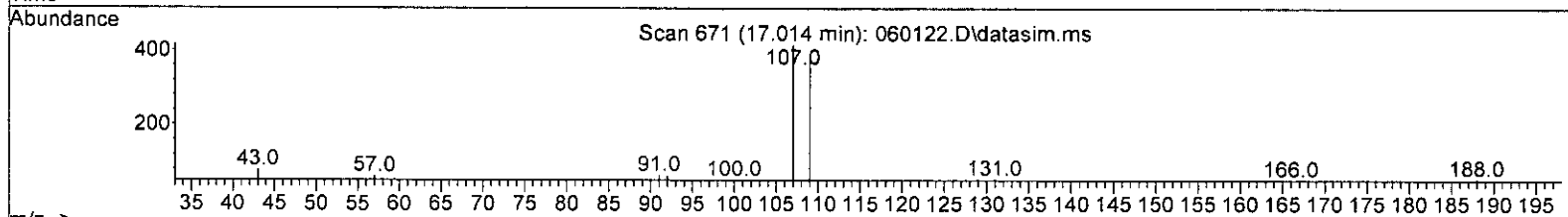
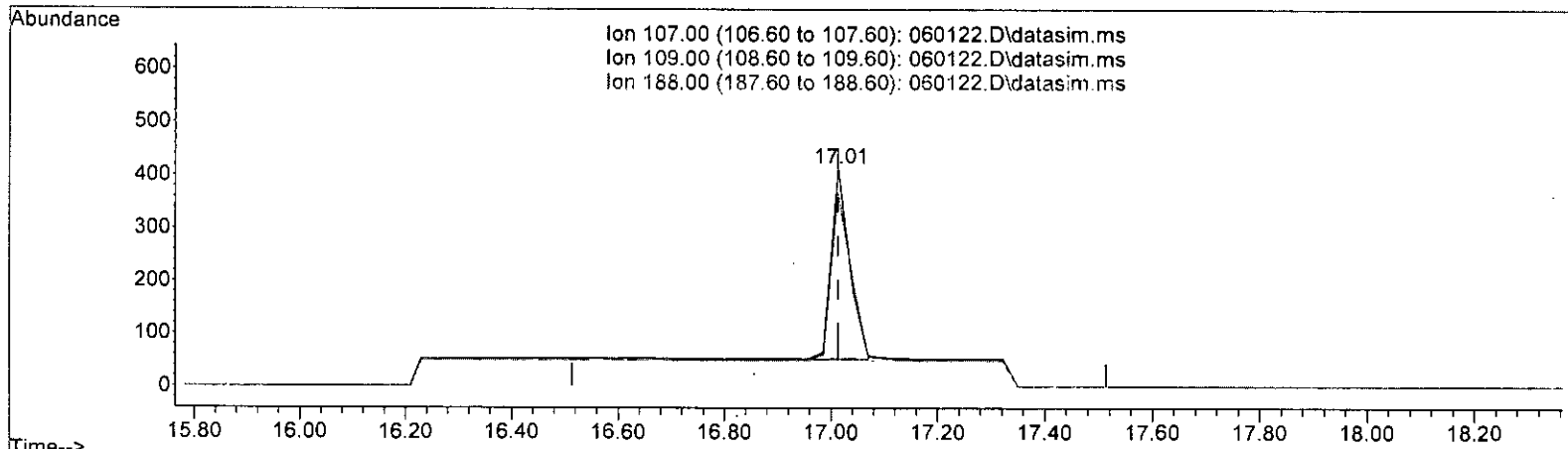
| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 88.65 |
| 188.00 | 2.70 | 12.56 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.093 ppbv m

response 853

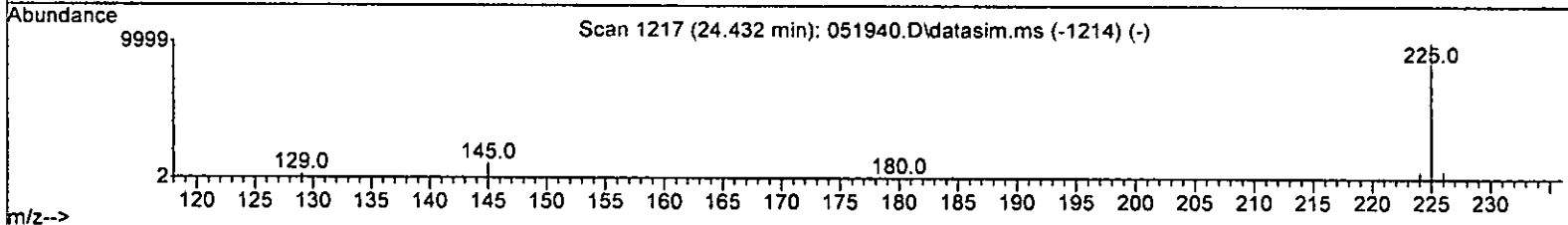
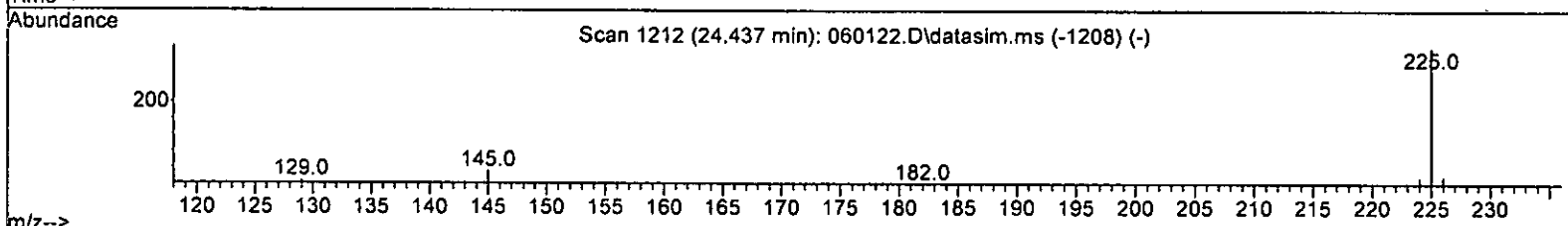
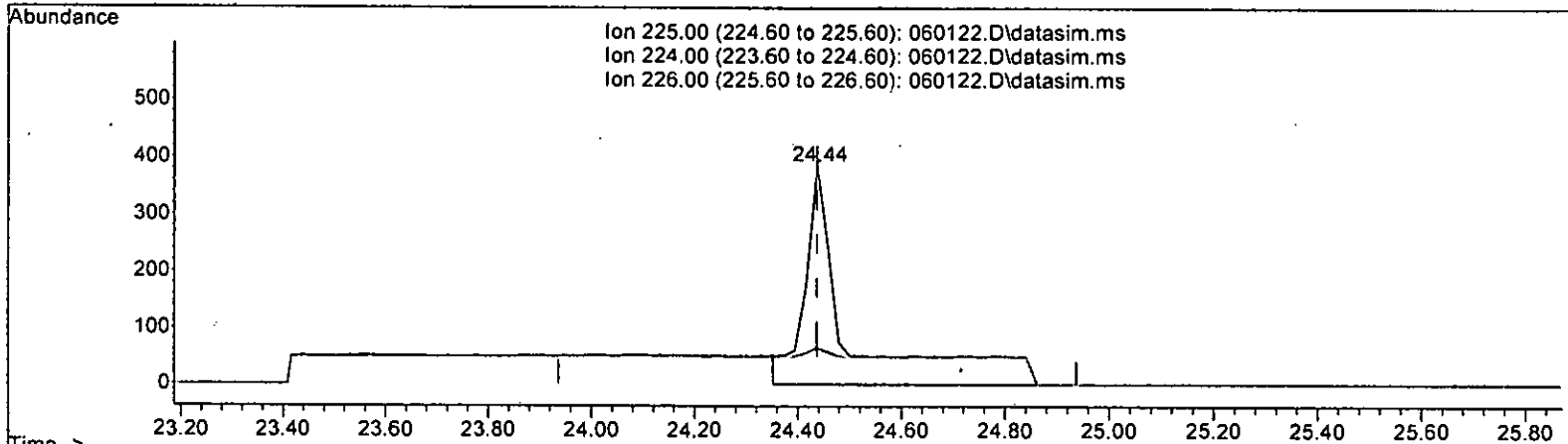
| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 88.65 |
| 188.00 | 2.70 | 12.56 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.437min (-0.000) 0.247 ppbv

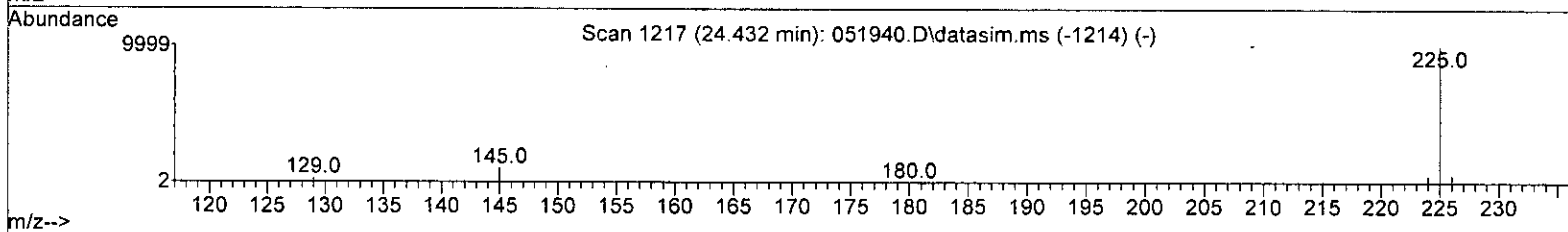
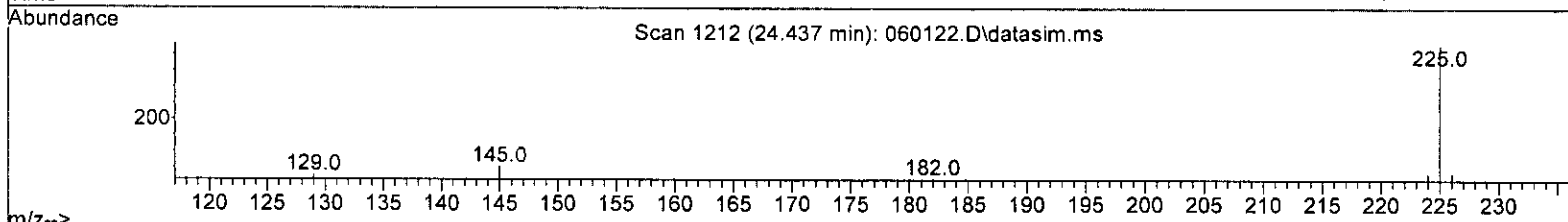
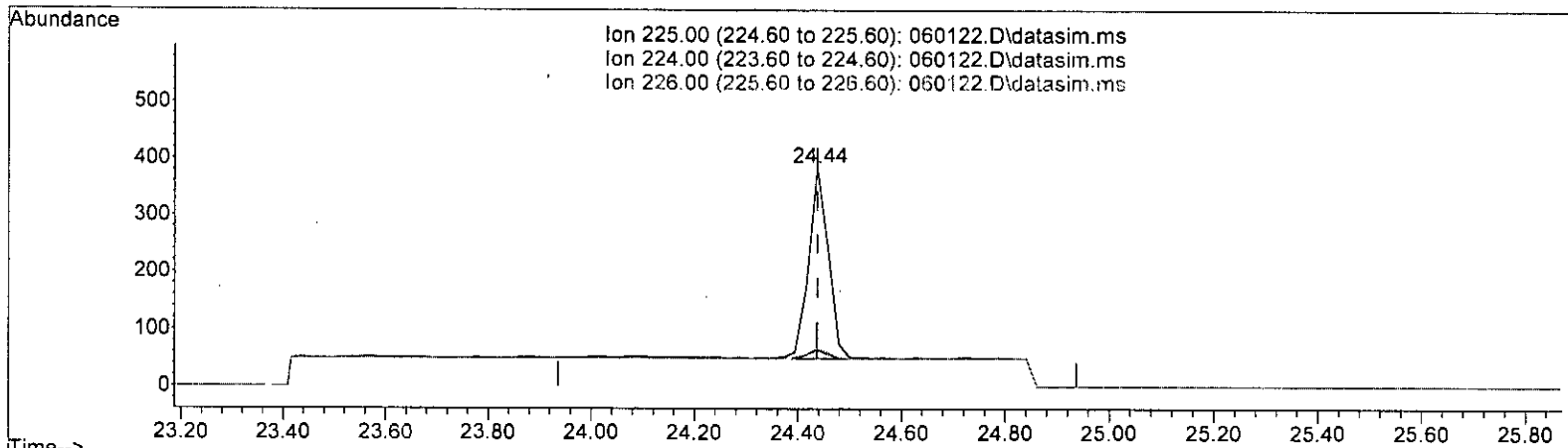
| response | 2261 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 225.00 | 100.00 | 100.00 | |
| 224.00 | 3.70 | 16.62 | |
| 226.00 | 5.20 | 17.14 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060122.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.437min (-0.000) 0.096 ppbv m

response 880

| Ion | Exp% | Act% |
|--------|--------|--------|
| 225.00 | 100.00 | 100.00 |
| 224.00 | 3.70 | 16.62 |
| 226.00 | 5.20 | 17.14 |
| 0.00 | 0.00 | 0.00 |

bat

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 AL5 Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 0.100 | 0.000 | 100.0# | 0 | -3.41# |
| 3 TMP Dichlorodifluoromethane | 0.100 | 0.050 | 50.0# | 100 | 0.00 |
| 4 TMP Chloromethane | 0.100 | 0.000 | 100.0# | 0 | -3.69# |
| 5 TMP F-114 | 0.100 | 0.029 | 71.0# | 0 | 0.00 |
| 6 TMP Vinyl chloride | 0.100 | 0.092 | 8.0 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 0.100 | 0.098 | 2.0 | 100 | 0.00 |
| 8 TMP Butane | -1.000 | 0.056 | 0.0 | 0 | 0.00 |
| 9 TMP Bromomethane | 0.100 | 0.000 | 100.0# | 0 | -4.56# |
| 10 TMP Chloroethane | 0.100 | 0.093 | 7.0 | 92 | 0.00 |
| 11 TMP Vinyl bromide | 0.100 | 0.093 | 7.0 | 96 | 0.00 |
| 12 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -4.96# |
| 13 TMP Acrolein | 0.100 | 0.110 | -10.0 | 98 | 0.04 |
| 14 TMP Pentane | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 15 TMP Trichlorofluoromethane | 0.100 | 0.064 | 36.0# | 100 | -0.02 |
| 16 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -5.54# |
| 17 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -5.78# |
| 18 TMP 1,1-Dichloroethene | 0.100 | 0.100 | 0.0 | 100 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 0.100 | 0.104 | -4.0 | 100 | 0.00 |
| 20 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -6.57# |
| 22 TMP 3-Chloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.93# |
| 23 TMP CFC-113 | 0.100 | 0.070 | 30.0 | 100 | -0.03 |
| 24 TMP Carbon disulfide | -1.000 | 0.000 | 0.0 | 0 | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | -1.000 | 0.000 | 0.0 | 0 | -8.41# |
| 26 TMP Vinyl acetate | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 27 TMP 1,1-Dichloroethane | 0.100 | 0.099 | 1.0 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 0.100 | 0.103 | -3.0 | 100 | 0.00 |
| 29 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -9.99# |
| 30 TMP Chloroform | 0.100 | 0.098 | 2.0 | 100 | -0.02 |
| 31 TMP Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | -9.90# |
| 32 TMP Tetrahydrofuran | 0.100 | 0.000 | 100.0# | 0 | -10.72# |
| 33 TMP 2-Butanone (MEK) | 0.100 | 0.000 | 100.0# | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.100 | 0.096 | 4.0 | 96 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 0.100 | 0.097 | 3.0 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 0.100 | 0.098 | 2.0 | 100 | 0.00 |
| 37 TMP Benzene | 0.100 | 0.099 | 1.0 | 101 | 0.00 |
| 38 TMP Cyclohexane | -1.000 | 0.000 | 0.0 | 0 | -13.05# |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.100 | 0.089 | 11.0 | 96 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.100 | 0.097 | 3.0 | 100 | 0.05 |
| 42 TMP 2,2,4-Trimethylpentane | -1.000 | 0.000 | 0.0 | 0 | -14.21# |
| 43 TMP Methyl methacrylate | -1.000 | 0.000 | 0.0 | 0 | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | -1.000 | 0.000 | 0.0 | 0 | -14.53# |
| 45 TMP Bromodichloromethane | 0.100 | 0.093 | 7.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.100 | 0.094 | 6.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.100 | 0.072 | 28.0 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.100 | 0.098 | 2.0 | 106 | 0.00 |
| 50 TMP Toluene | 0.100 | 0.093 | 7.0 | 95 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.100 | 0.093 | 7.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -16.56# |
| 53 TMP Tetrachloroethene | 0.100 | 0.092 | 8.0 | 98 | 0.00 |
| 54 TMP Dibromochloromethane | 0.100 | 0.092 | 8.0 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.100 | 0.093 | 7.0 | 95 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 0.100 | 0.098 | 2.0 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 0.100 | 0.096 | 4.0 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.100 | 0.098 | 2.0 | 100 | 0.00 |
| 60 TMP Nonane | -1.000 | 0.000 | 0.0 | 0 | -19.32# |
| 61 TMP Isopropylbenzene | 0.100 | 0.100 | 0.0 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -20.17# |
| 63 TMP Propylbenzene | 0.100 | 0.092 | 8.0 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | -1.000 | 0.000 | 0.0 | 0 | -20.33# |
| 65 TMP m,p-Xylene | 0.200 | 0.197 | 1.5 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.100 | 0.096 | 4.0 | 100 | 0.00 |
| 67 TMP Styrene | 0.100 | 0.078 | 22.0 | 100 | 0.00 |
| 68 TMP Bromoform | 0.100 | 0.080 | 20.0 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.506 | 4.9 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.100 | 0.091 | 9.0 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 0.100 | 0.092 | 8.0 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 0.100 | 0.084 | 16.0 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 0.100 | 0.096 | 4.0 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.100 | 0.099 | 1.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 0.100 | 0.095 | 5.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.100 | 0.097 | 3.0 | 100 | 0.00 |
| 77 TMP Naphthalene | 0.100 | 0.112 | -12.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 0.100 | 0.096 | 4.0 | 101 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCM57\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCM57 Methods\0601T015ss7.M
 Quant Title : TO-15 55 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 0.000 | 100.0# | 0# | -3.41# |
| 3 TMP Dichlorodifluoromethane | 4.308 | 2.141 | 50.3# | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 0.000# | 100.0# | 0# | -3.69# |
| 5 TMP F-114 | 4.259 | 1.238 | 70.9# | 0# | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.703 | 7.9 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.184 | 2.2 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 0.000 | 100.0# | 0# | 0.00 |
| 9 TMP Bromomethane | 1.588 | 0.000# | 100.0# | 0# | -4.56# |
| 10 TMP Chloroethane | 0.685 | 0.639 | 6.7 | 92 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.546 | 6.6 | 96 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP Acrolein | 0.664 | 0.728 | -9.6 | 98 | 0.04 |
| 14 TMP Pentane | 2.765 | 0.000# | 100.0# | 0# | -6.25# |
| 15 TMP Trichlorofluoromethane | 4.466 | 2.878 | 35.6# | 100 | -0.02 |
| 16 TMP Acetone | 0.689 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP 2-Propanol | 3.342 | 0.000 | 100.0# | 0# | -5.78# |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.586 | 0.1 | 100 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.627 | -3.8 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 0.000# | 100.0# | 0# | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 0.000 | 100.0# | 0# | -6.57# |
| 22 TMP 3-Chloropropene | 2.167 | 0.000 | 100.0# | 0# | -6.93# |
| 23 TMP CFC-113 | 3.396 | 2.382 | 29.9 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 5.043 | 0.000 | 100.0# | 0# | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 0.000# | 100.0# | 0# | -8.41# |
| 26 TMP Vinyl acetate | 4.333 | 0.000# | 100.0# | 0# | -8.51# |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.374 | 1.1 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.752 | -2.8 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 0.000 | 100.0# | 0# | -9.99# |
| 30 TMP Chloroform | 4.005 | 3.906 | 2.5 | 100 | -0.02 |
| 31 TMP Ethyl acetate | 3.933 | 0.000 | 100.0# | 0# | -9.90# |
| 32 TMP Tetrahydrofuran | 1.847 | 0.000 | 100.0# | 0# | -10.72# |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.462 | 4.1 | 96 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.387 | 2.6 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.459 | 2.2 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.425 | 0.8 | 101 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 0.000 | 100.0# | 0# | -13.05# |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.532 | 11.5 | 96 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.257 | 3.0 | 100 | 0.05 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 0.000 | 100.0# | 0# | -14.21# |
| 43 TMP Methyl methacrylate | 0.552 | 0.000 | 100.0# | 0# | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.000 | 100.0# | 0# | -14.53# |
| 45 TMP Bromodichloromethane | 0.974 | 0.903 | 7.3 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.578 | 6.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.494 | 28.3 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.682 | 1.9 | 106 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.738 | 6.8 | 95 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.535 | 6.6 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.000# | 100.0# | 0# | -16.56# |
| 53 TMP Tetrachloroethene | 0.486 | 0.448 | 7.8 | 98 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.872 | 7.6 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.864 | 7.4 | 95 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.046 | 2.2 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.673 | 3.7 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.500 | 2.0 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.000 | 100.0# | 0# | -19.32# |
| 61 TMP Isopropylbenzene | 1.497 | 1.494 | 0.2 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.000 | 100.0# | 0# | -20.17# |
| 63 TMP Propylbenzene | 3.019 | 2.787 | 7.7 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 0.000 | 100.0# | 0# | -20.33# |
| 65 TMP m,p-Xylene | 0.620 | 0.612 | 1.3 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.506 | 4.0 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.600 | 21.8 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.754 | 19.8 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.674 | 4.9 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.238 | 8.5 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.215 | 8.3 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.989 | 15.5 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.009 | 4.2 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.978 | 1.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.971 | 4.5 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.775 | 2.9 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.374 | -11.8 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.058 | 4.1 | 101 | 0.00 |

(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 22377 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 98782 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 83138 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56015 | 9.506 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 95.10% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 479 | 0.050 | ppbv # | 42 |
| 4) Chloromethane | 0.00 | | 0 | N.D. | d | |
| 5) F-114 | 3.88 | 85 | 277 | 0.029 | ppbv # | 25 |
| 6] Vinyl chloride | 4.01 | 62 | 381 | 0.092 | ppbv | 95 |
| 7] 1,3-Butadiene | 4.21 | 54 | 265 | 0.098 | ppbv # | 86 |
| 8) Butane | 4.28 | 43 | 305 | 0.056 | ppbv # | 80 |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10] Chloroethane | 4.80 | 64 | 143m | 0.093 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 346m | 0.093 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13] Acrolein | 5.41 | 56 | 163m | 0.110 | ppbv | |
| 14) Pentane | 0.00 | | 0 | N.D. | d | |
| 15) Trichlorofluoromethane | 5.80 | 101 | 644 | 0.064 | ppbv # | 18 |
| 16) Acetone | 0.00 | | 0 | N.D. | | |
| 17) 2-Propanol | 0.00 | | 0 | N.D. | d | |
| 18] 1,1-Dichloroethene | 6.63 | 96 | 355 | 0.100 | ppbv # | 32 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 364 | 0.104 | ppbv # | 65 |
| 20) Methylene chloride | 0.00 | | 0 | N.D. | d | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | d | |
| 23) CFC-113 | 7.12 | 101 | 533 | 0.070 | ppbv | 86 |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | d | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | d | |
| 26) Vinyl acetate | 0.00 | | 0 | N.D. | d | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 755 | 0.099 | ppbv | 98 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 392 | 0.103 | ppbv | 96 |
| 29) Hexane | 0.00 | | 0 | N.D. | d | |
| 30] Chloroform | 10.05 | 83 | 874 | 0.098 | ppbv | 96 |
| 31) Ethyl acetate | 0.00 | | 0 | N.D. | d | |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 551m | 0.096 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 758 | 0.097 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 774 | 0.098 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 1214m | 0.099 | ppbv | |
| 38) Cyclohexane | 0.00 | | 0 | N.D. | d | |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 526m | 0.089 | ppbv | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

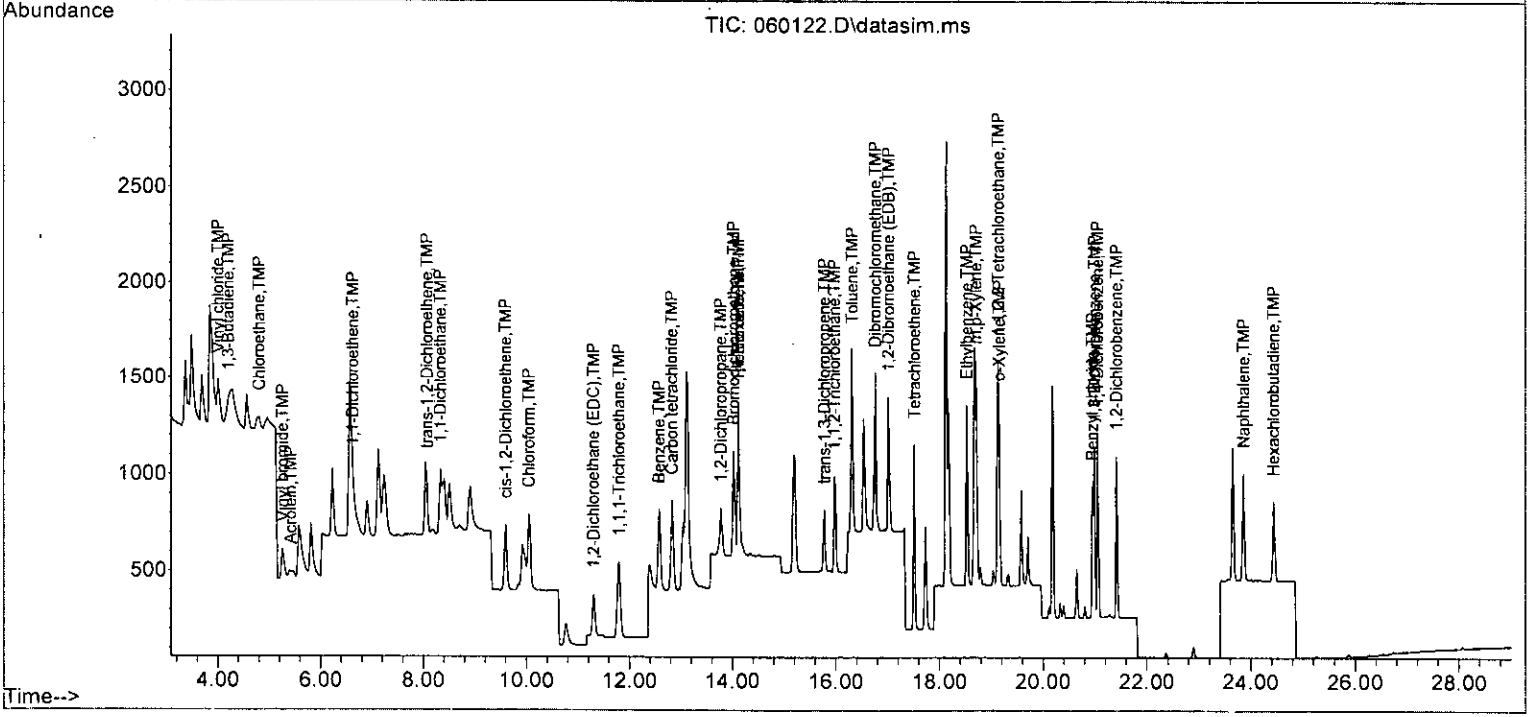
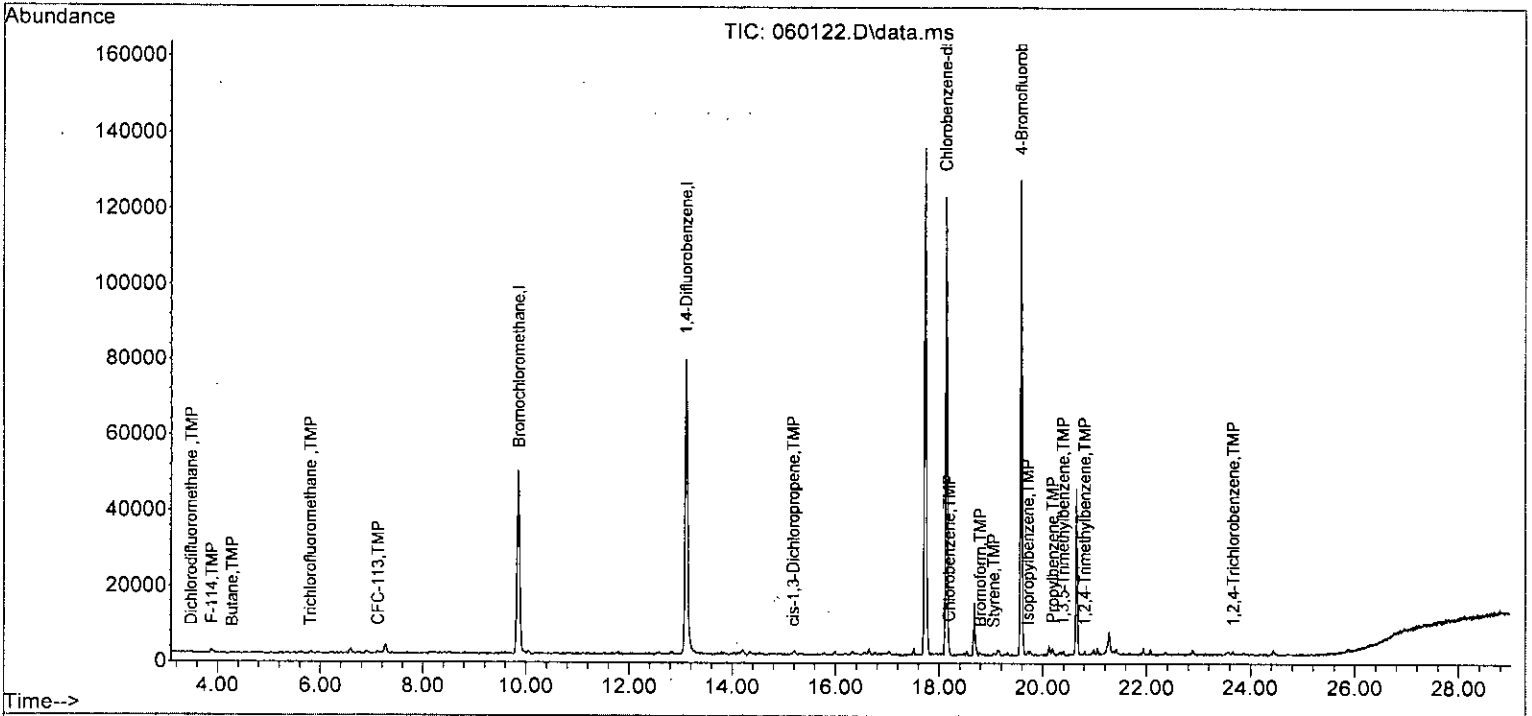
Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.12 | 88 | 254 | 0.097 | ppbv | 96 |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | d | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | d | |
| 44) Heptane | 0.00 | | 0 | N.D. | d | |
| 45] Bromodichloromethane | 14.02 | 83 | 892 | 0.093 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 571 | 0.094 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 488 | 0.072 | ppbv | 63 |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 674 | 0.098 | ppbv | 94 |
| 50] Toluene | 16.31 | 92 | 729m | 0.093 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 528 | 0.093 | ppbv | 98 |
| 52) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 53] Tetrachloroethene | 17.52 | 164 | 443m | 0.092 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 861 | 0.092 | ppbv | 93 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 853m | 0.093 | ppbv | |
| 57) Chlorobenzene | 18.19 | 112 | 870 | 0.098 | ppbv # | 77 |
| 58] Ethylbenzene | 18.53 | 91 | 1391 | 0.096 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 1247 | 0.098 | ppbv | 95 |
| 60) Nonane | 0.00 | | 0 | N.D. | d | |
| 61] Isopropylbenzene | 19.72 | 105 | 1242 | 0.100 | ppbv # | 53 |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 63) Propylbenzene | 20.19 | 91 | 2317 | 0.092 | ppbv | 98 |
| 64) 4-Ethyltoluene | 0.00 | | 0 | N.D. | d | |
| 65] m,p-Xylene | 18.70 | 106 | 1018 | 0.197 | ppbv | 97 |
| 66] o-Xylene | 19.15 | 106 | 421 | 0.096 | ppbv | 92 |
| 67) Styrene | 19.05 | 104 | 499 | 0.078 | ppbv | 98 |
| 68) Bromoform | 18.80 | 173 | 627 | 0.080 | ppbv | 81 |
| 70] Benzyl chloride | 20.95 | 91 | 1029 | 0.091 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 1010 | 0.092 | ppbv | 97 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 822 | 0.084 | ppbv | 87 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 839 | 0.096 | ppbv | 91 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 813 | 0.099 | ppbv | 90 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 807 | 0.095 | ppbv | 95 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 644 | 0.097 | ppbv # | 85 |
| 77] Naphthalene | 23.86 | 128 | 1142 | 0.112 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 880m | 0.096 | ppbv | |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060122.D
 Acq On : 2 Jun 2023 2:31 am
 Operator : bat
 Sample : 0.1 ppbv T015 69-62-c
 Misc : T4
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS7

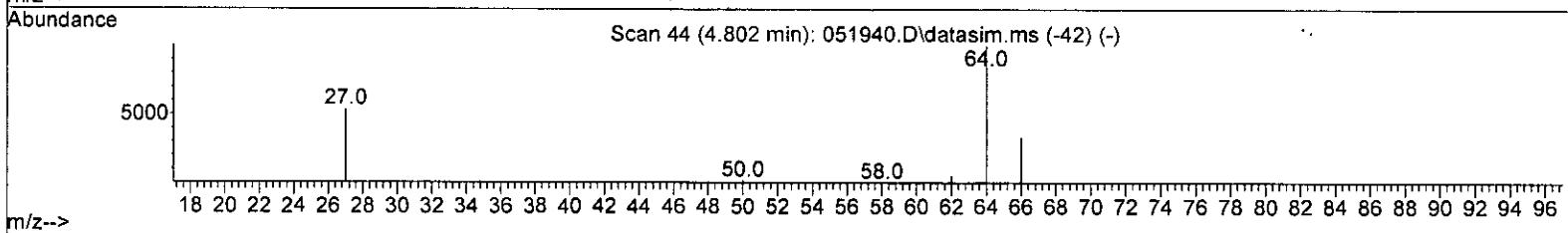
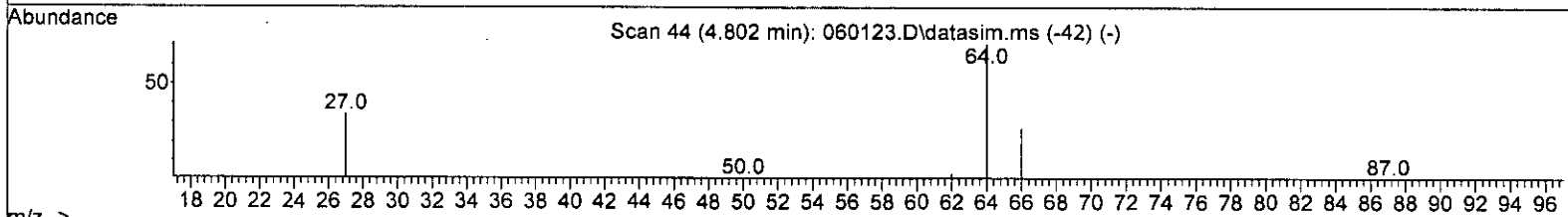
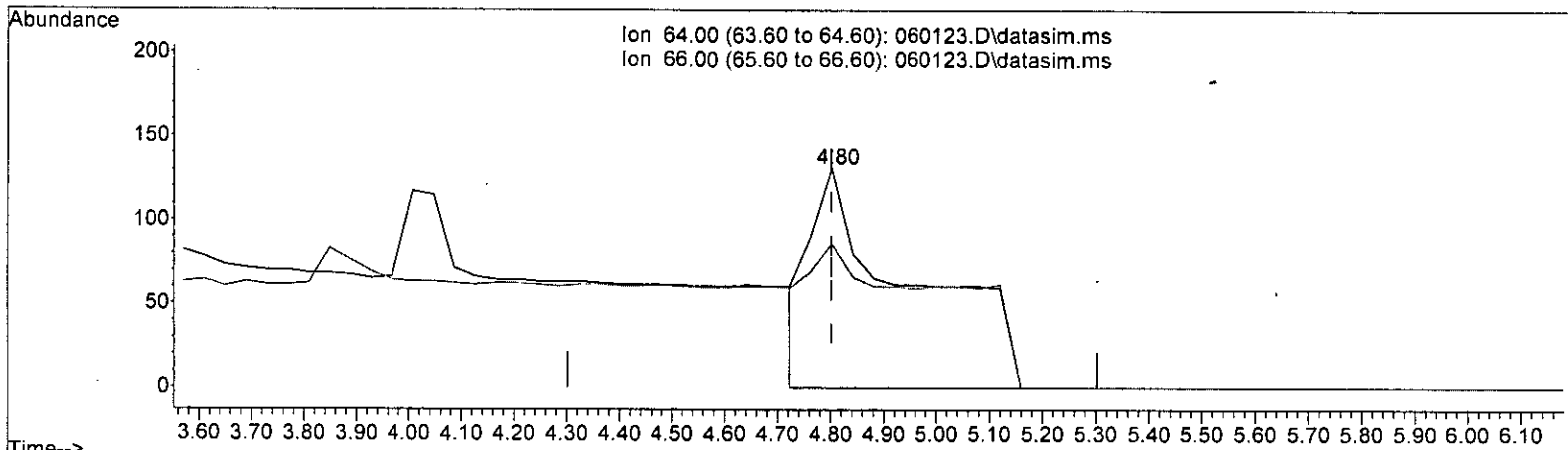
Quant Time: Jun 06 13:06:39 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

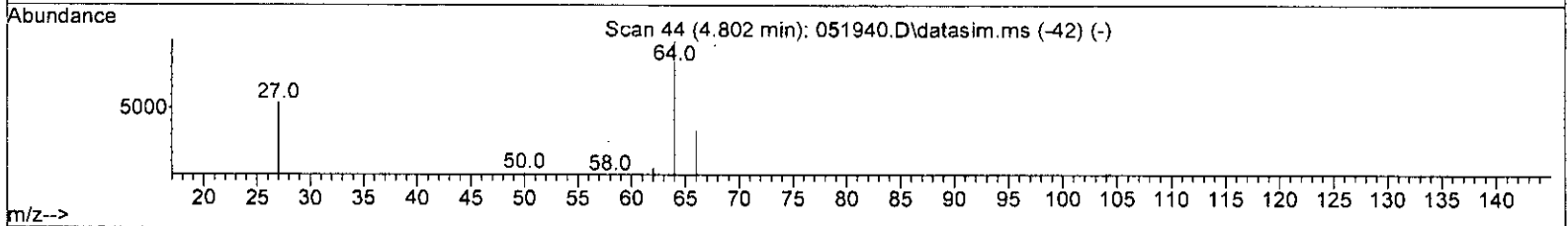
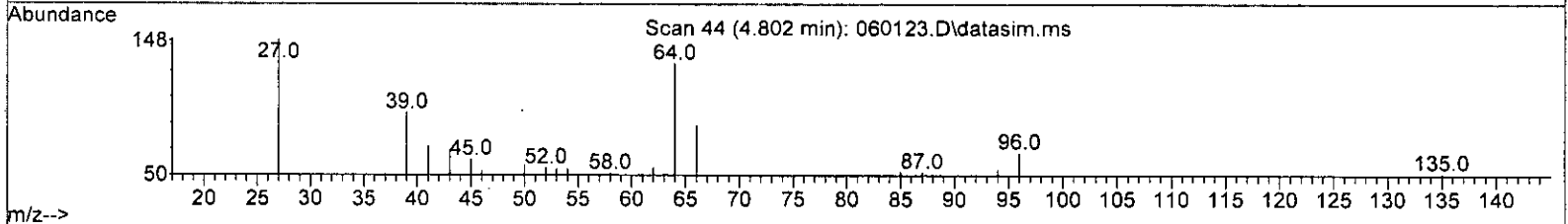
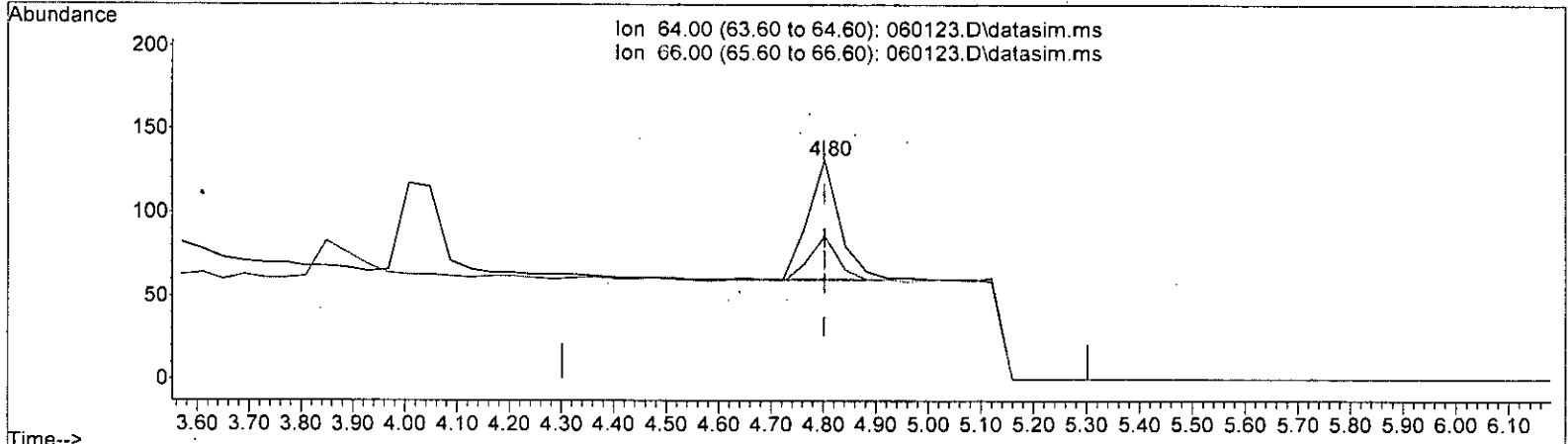
| (10) Chloroethane (TMP) | | |
|-------------------------|--------|----------|
| 4.802min (+ 0.000) | 1 | 103 ppbv |
| response | 1660 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 65.65# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

06 Jun

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv TO15 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060123.D\data.ms

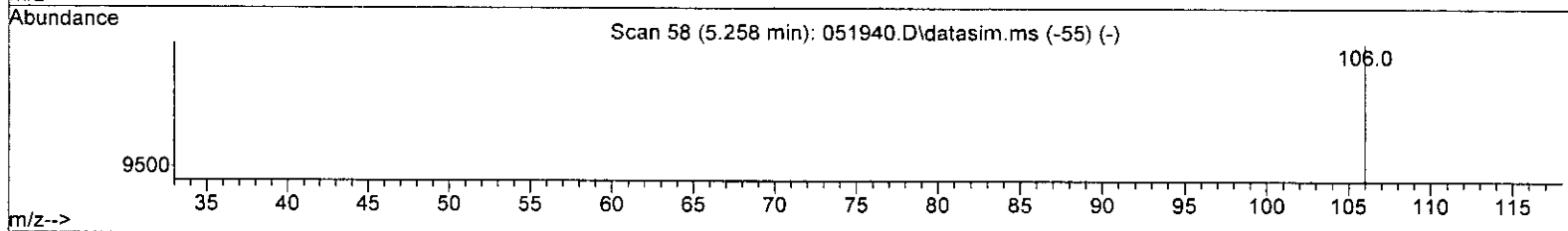
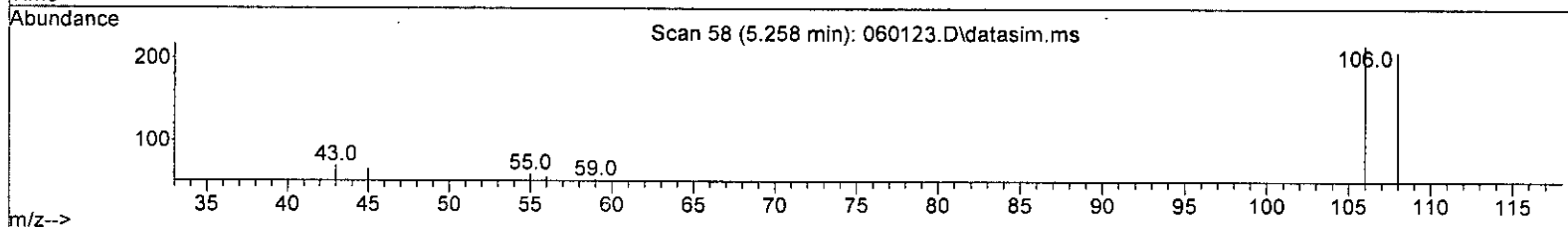
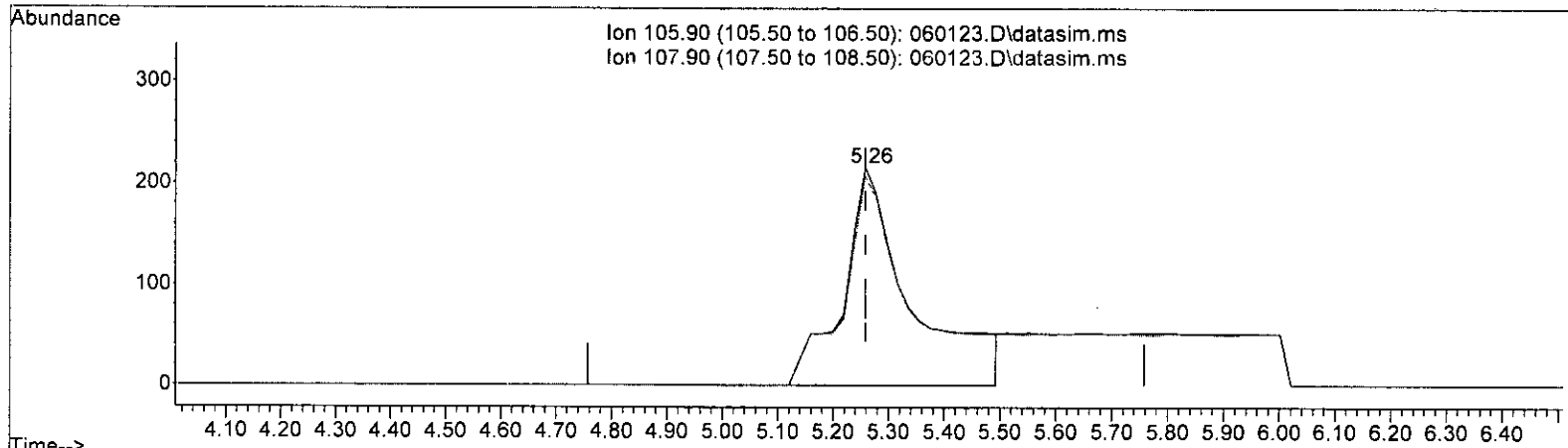
| (10) Chloroethane (TMP) | | |
|-------------------------|--------------|--------|
| Retention Time | Expected | Actual |
| 4.802min (+ 0.000) | 0.201 ppbv m | |
| response | 303 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 65.65# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(11) Vinyl bromide (TMB)

5.258min (-0.000) 0.552 ppbv

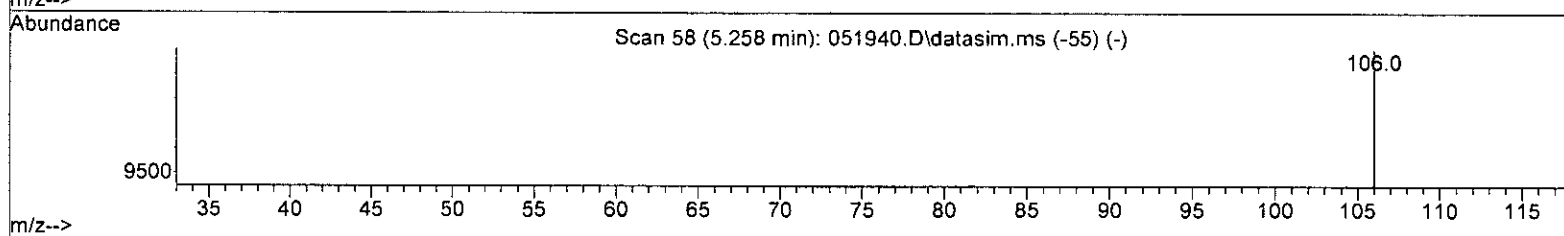
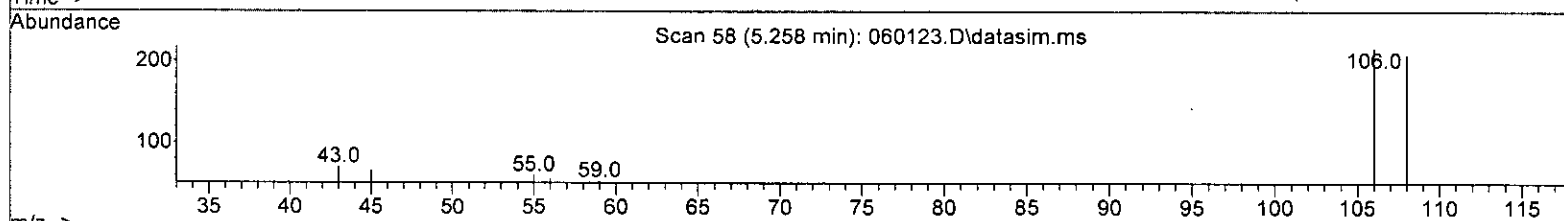
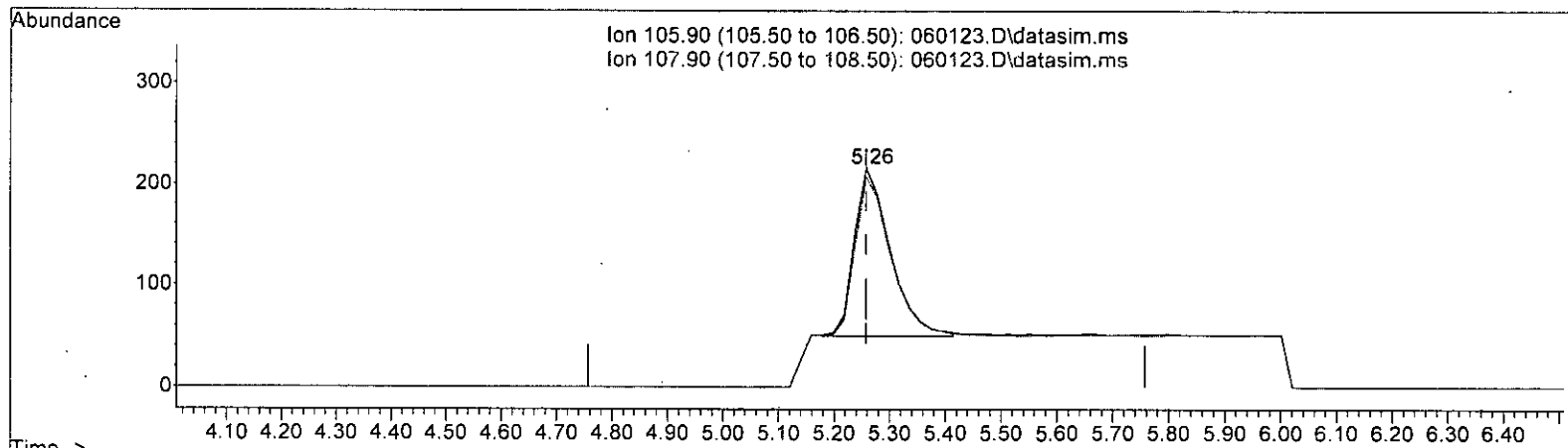
| response | 2004 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 105.74 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 060123.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 0.204 ppbv m

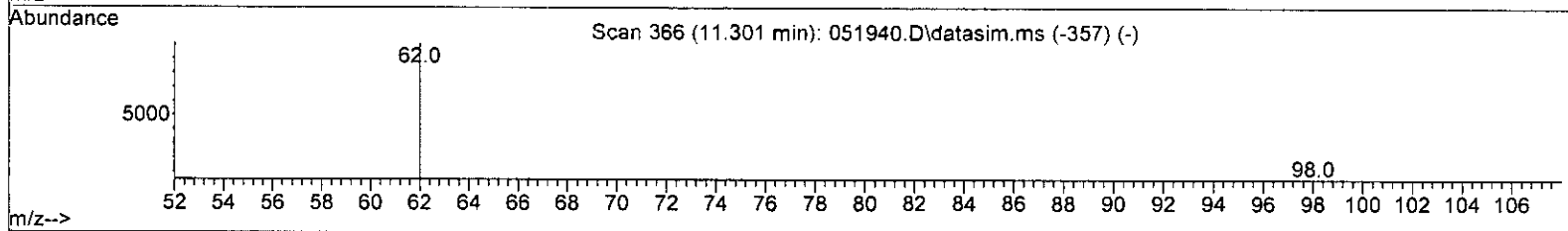
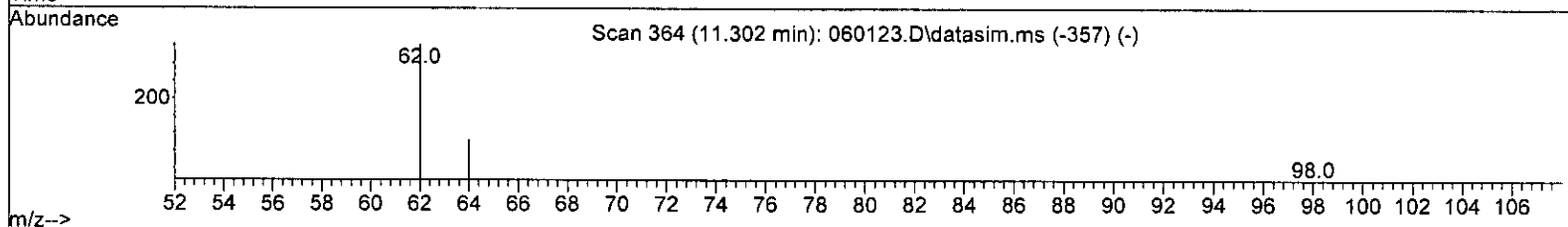
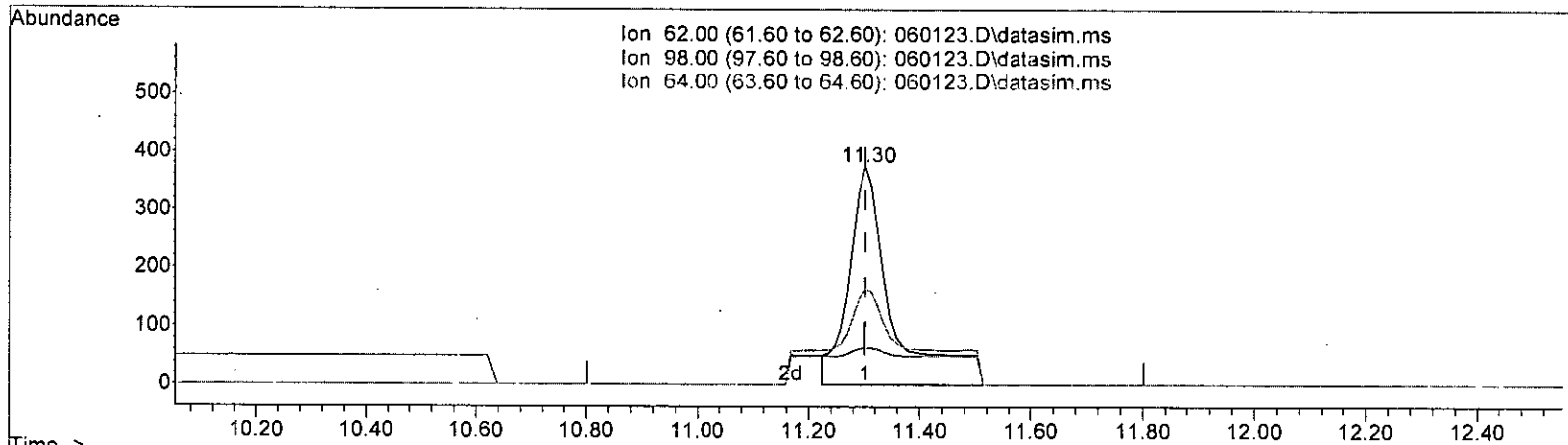
| response | 741 | | |
|----------|--------|---------|--|
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 285.96# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.360 ppbv

response 2026

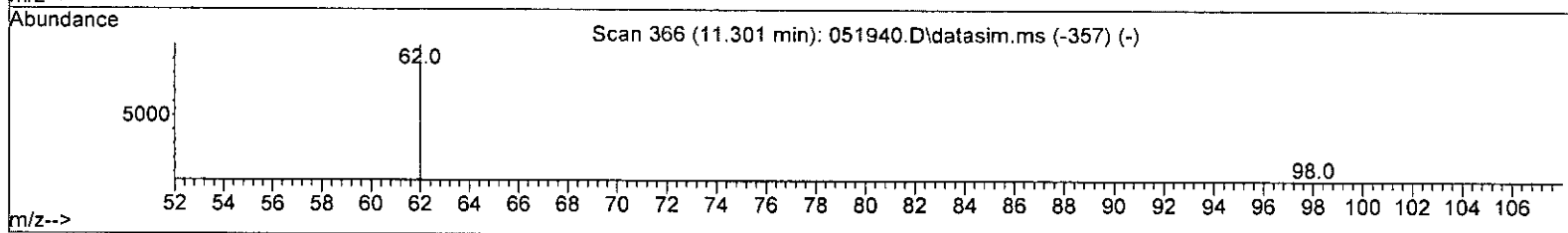
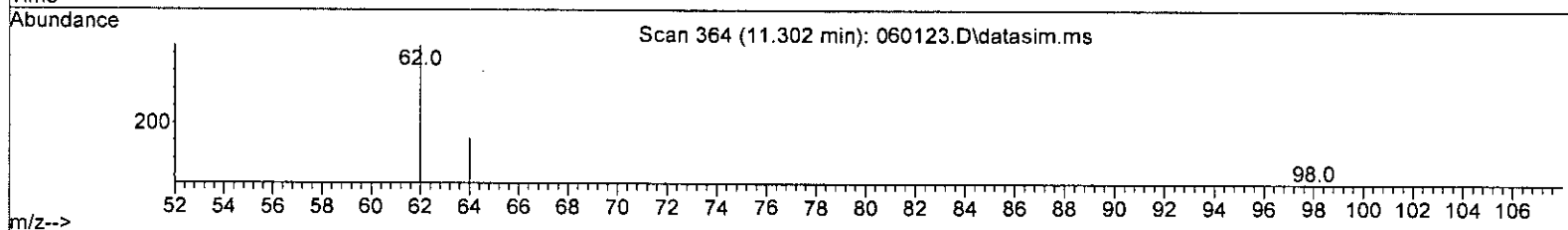
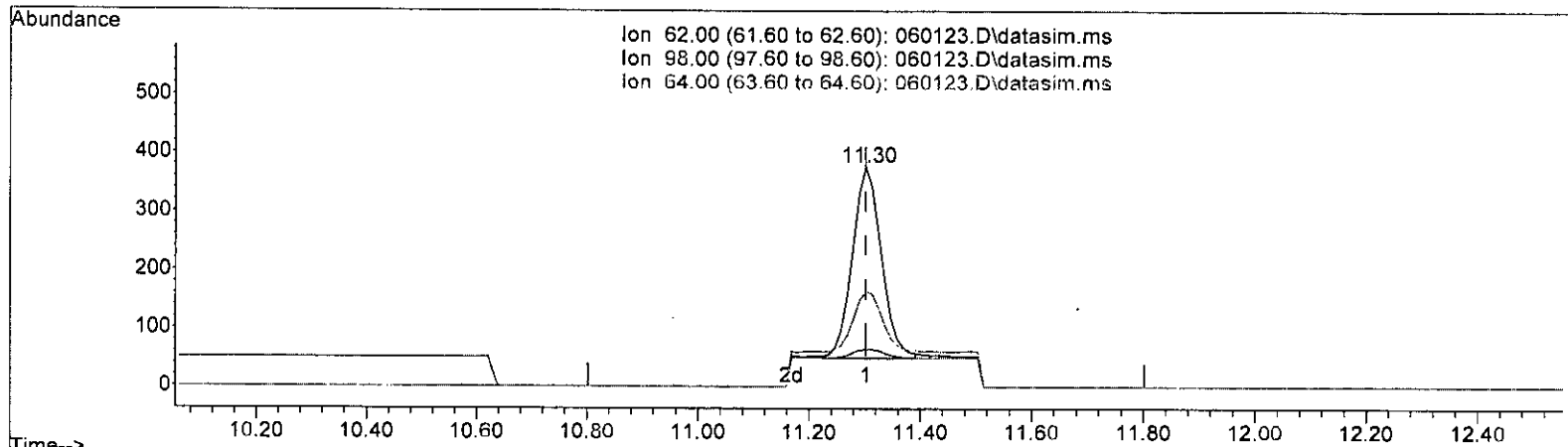
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 17.02 |
| 64.00 | 33.00 | 43.62 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.209 ppbv m

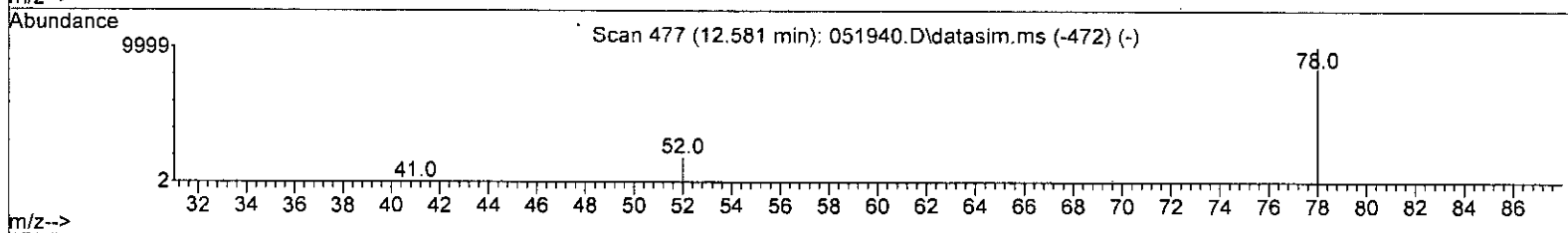
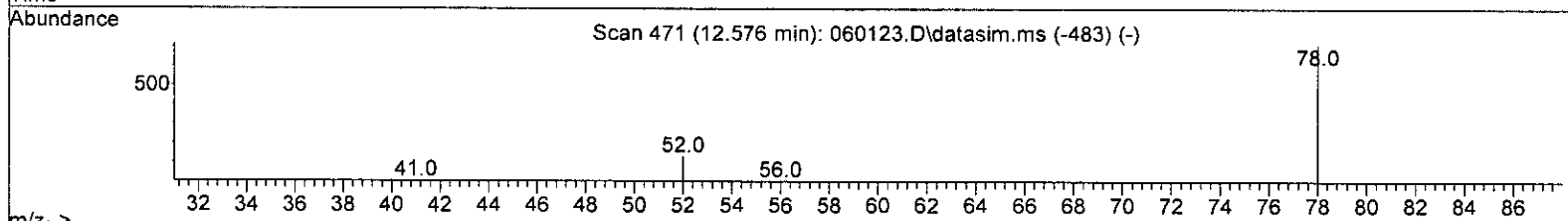
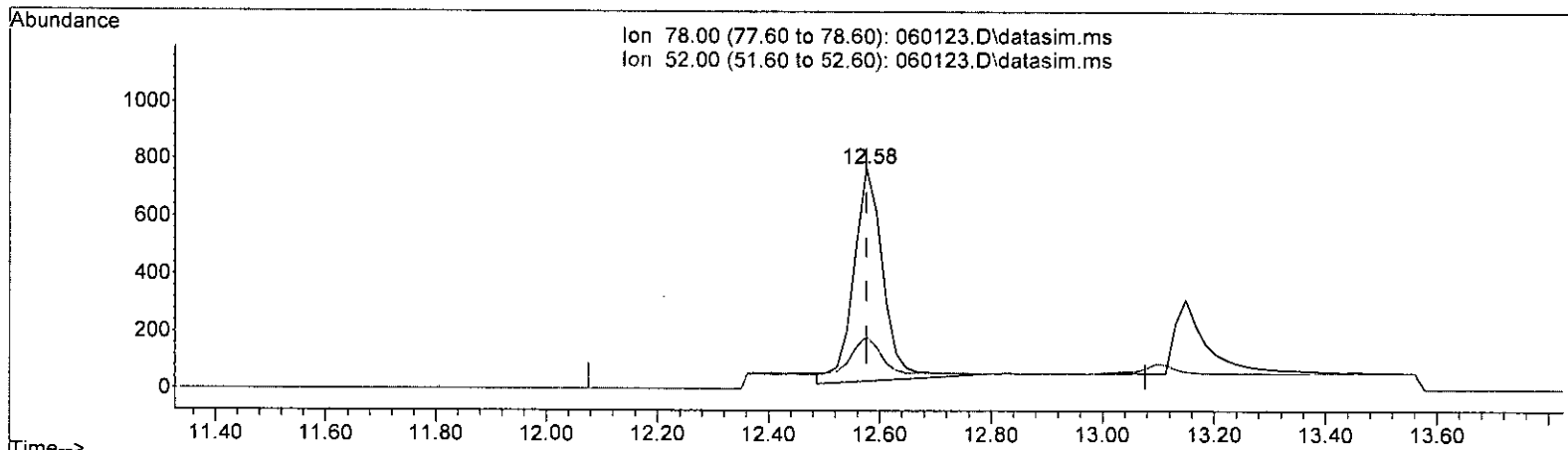
| response | 1179 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 17.02 |
| 64.00 | 33.00 43.62 |
| 0.00 | 0.00 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

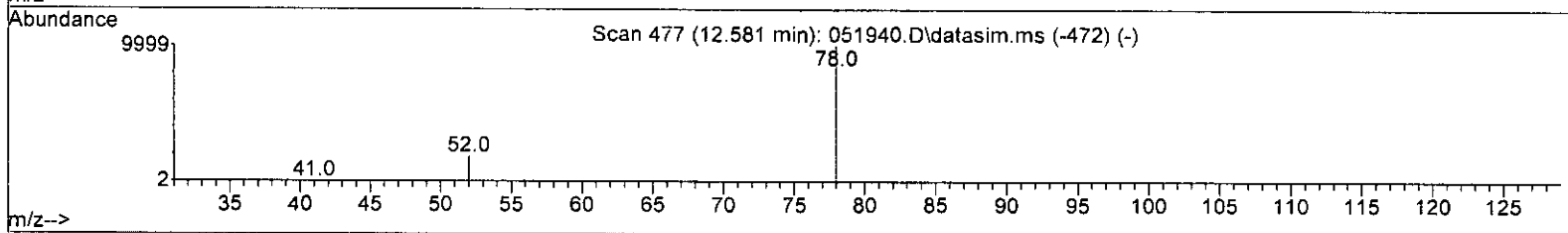
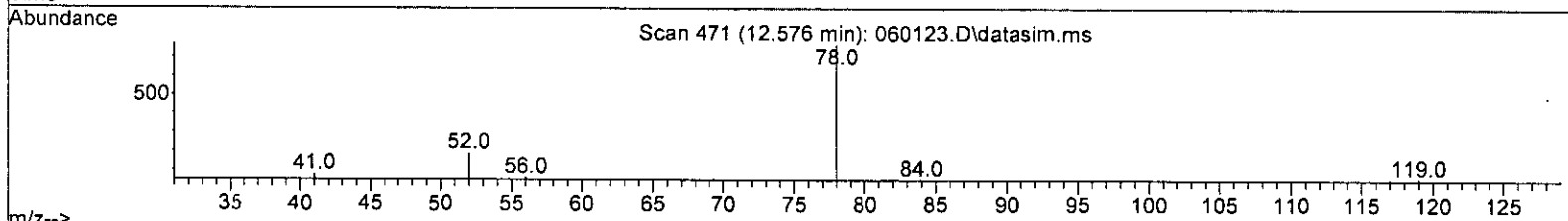
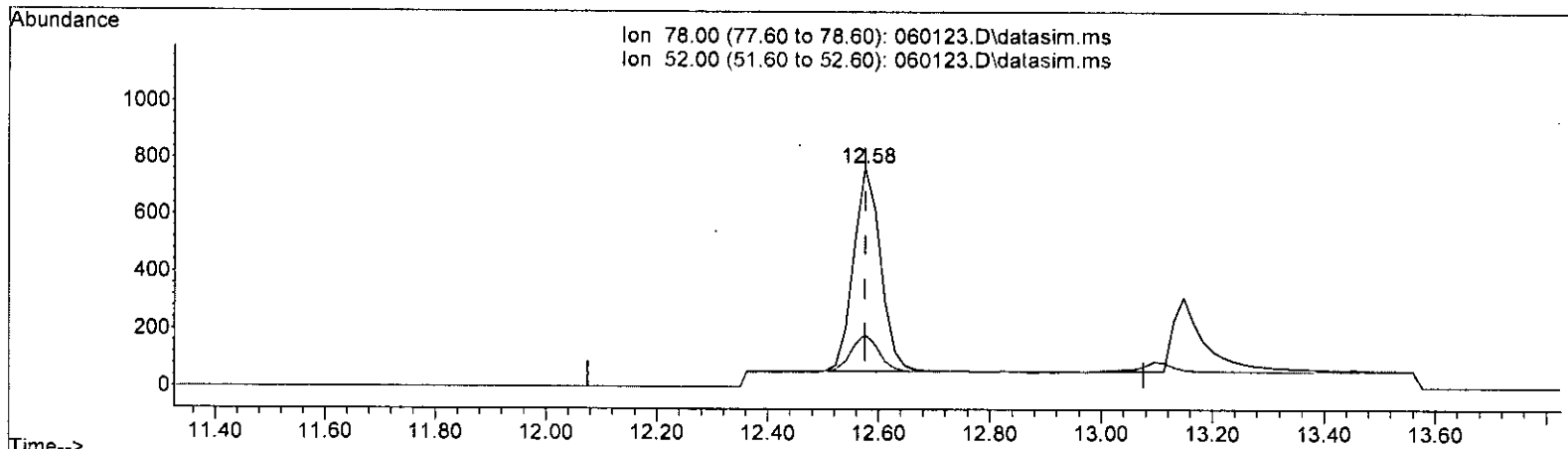
| (37) Benzene (TMP) | | |
|---------------------|------------|--------|
| 12.576min (+ 0.000) | 0.231 ppbv | |
| response | 2773 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 18.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

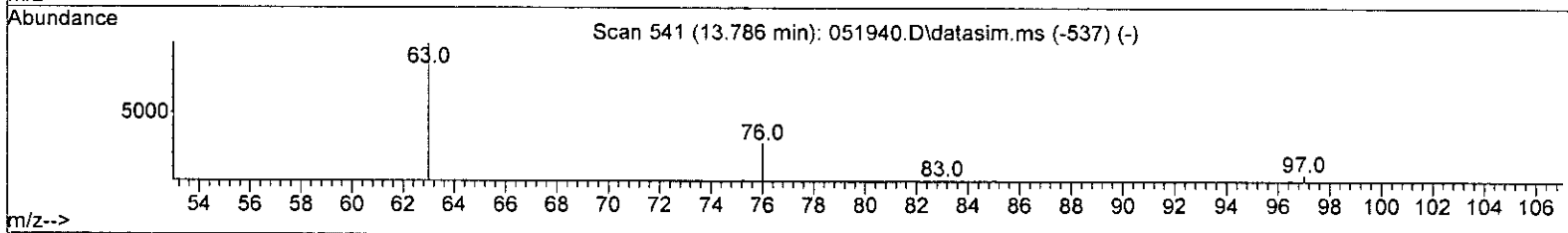
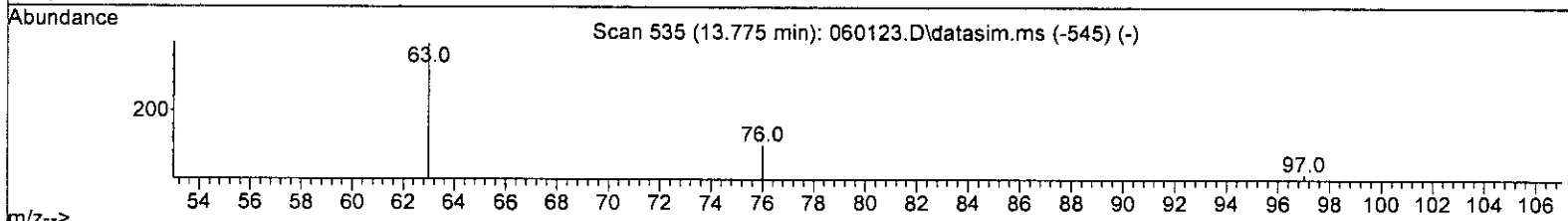
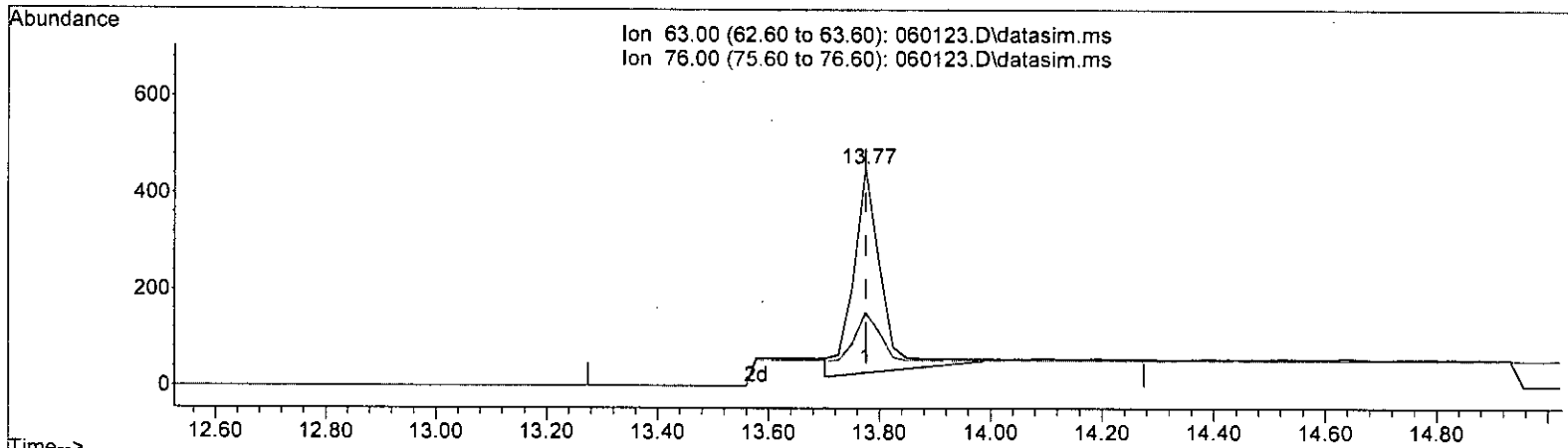
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.201 ppbv m | |
| response | 2416 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 24.06 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(40) 1,2-Dichloropropane (TMP)

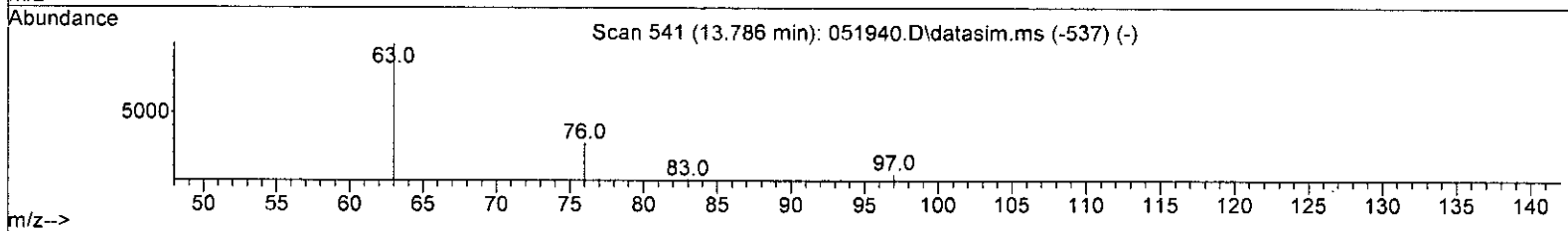
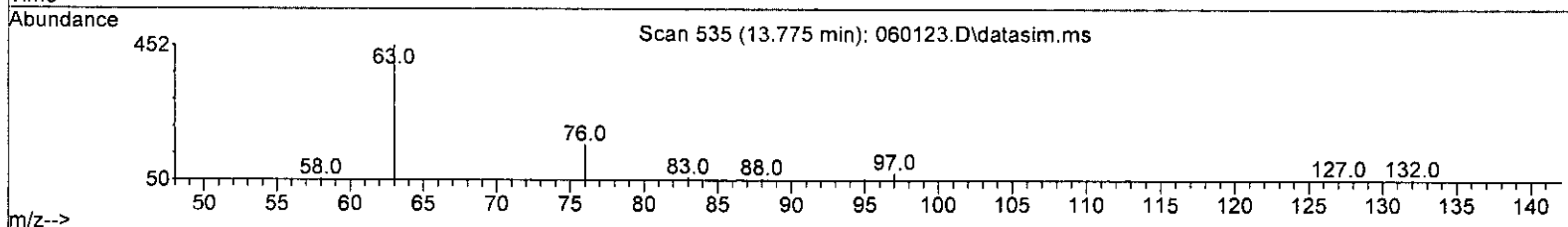
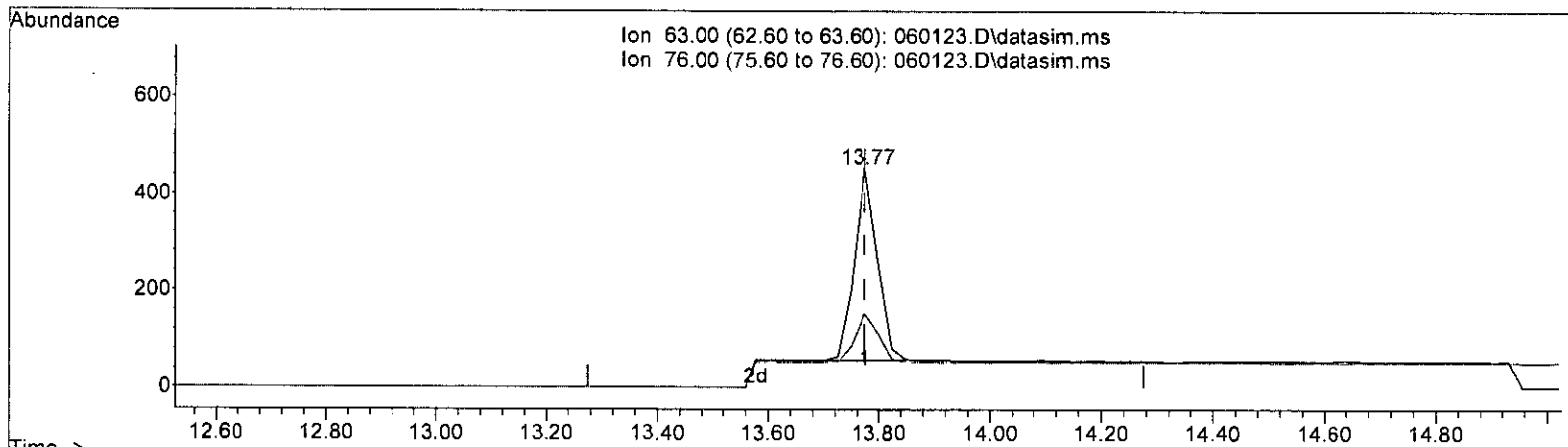
13.775min (-0.000) 0.260 ppbv

| response | 1493 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 63.00 | 100.00 | 100.00 | |
| 76.00 | 25.70 | 25.19 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M



TIC: 060123.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 0.198 ppbv m

response 1134

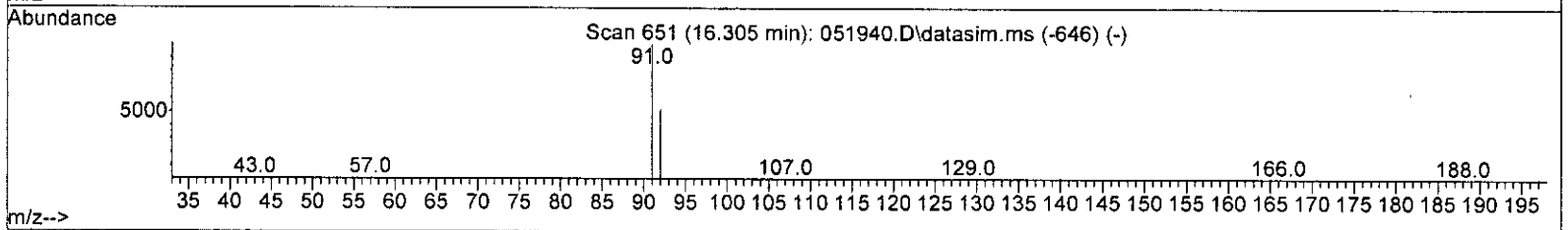
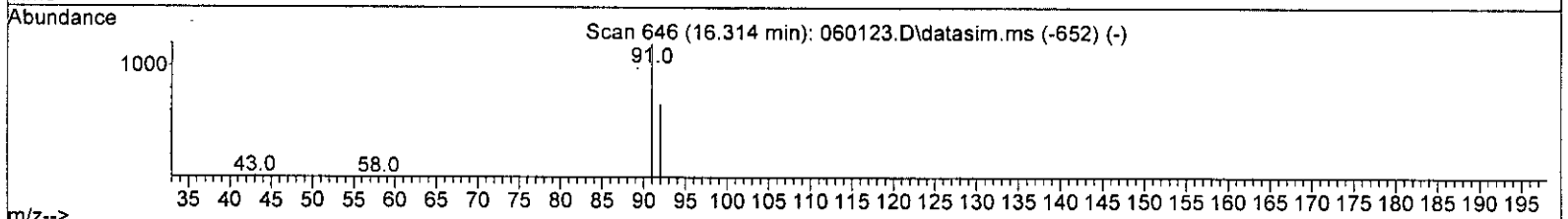
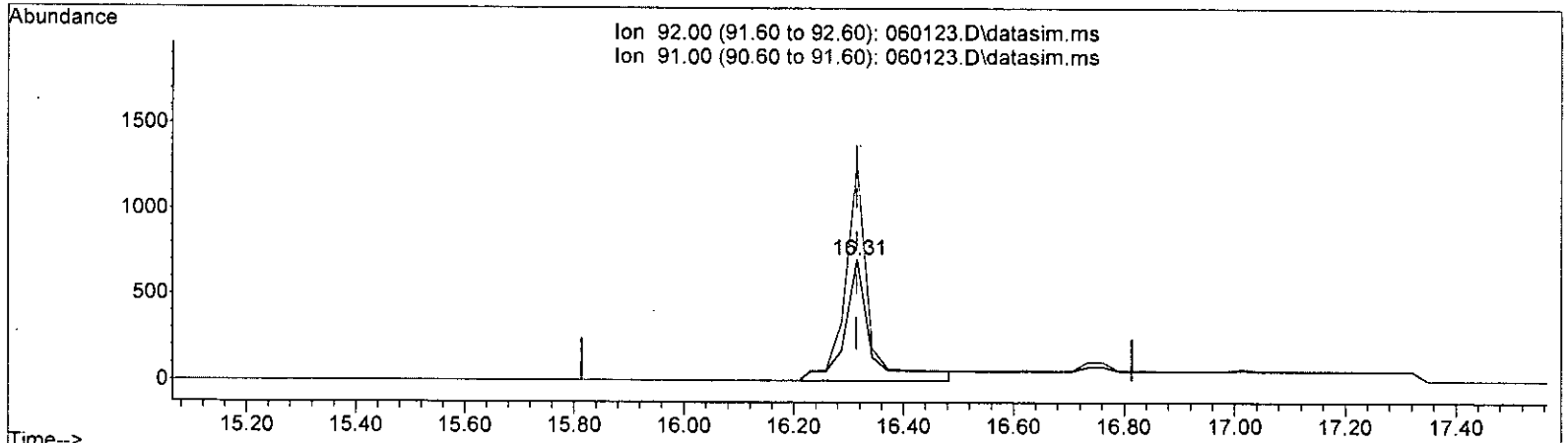
| Ion | Exp% | Act% |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 33.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

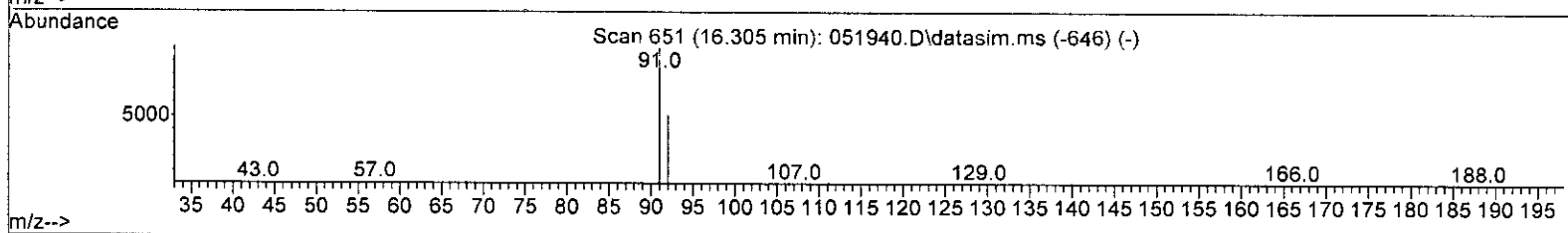
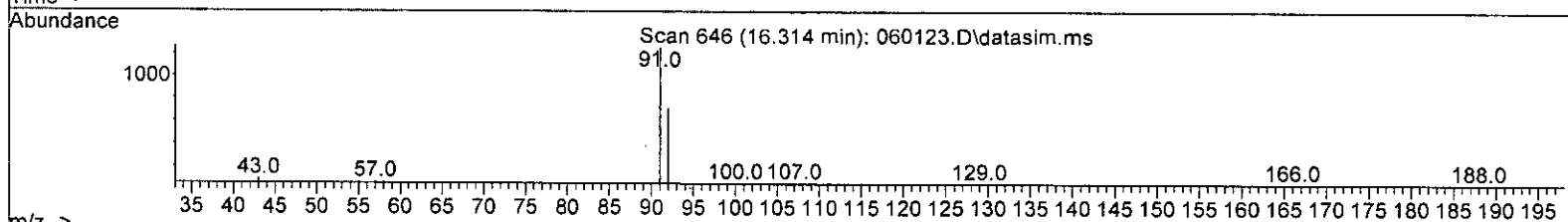
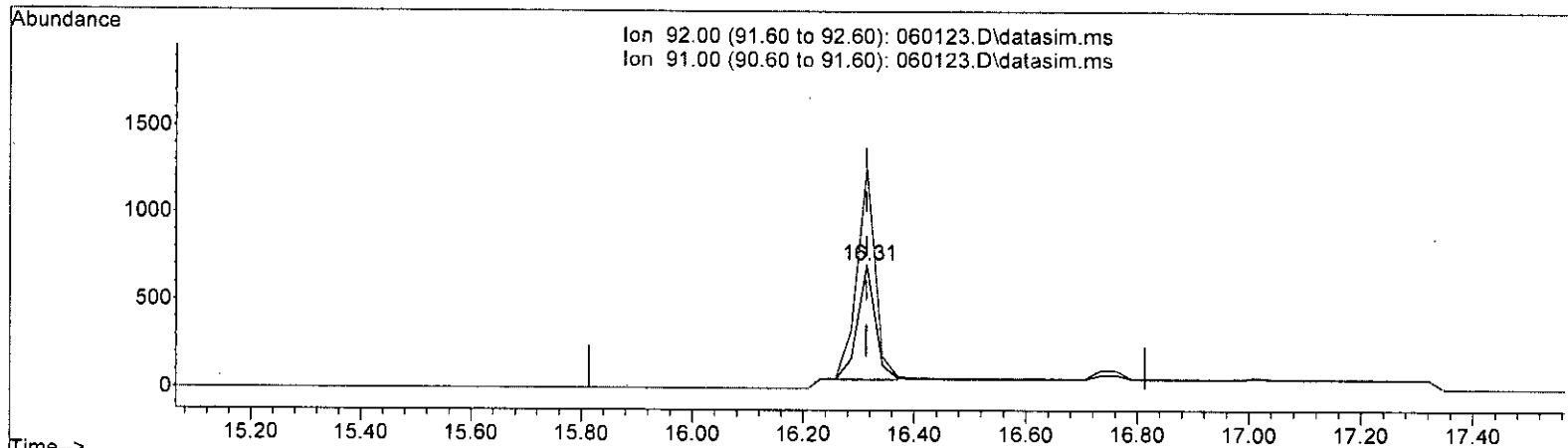
| Retention Time (min) | Compound | Response | Exp% | Act% |
|----------------------|---------------|----------|--------|--------|
| 16.314 | Toluene (TMP) | 2261 | 100.00 | 100.00 |
| 16.314 | | 0.299 | 204.60 | 178.50 |
| 0.00 | | 0.00 | 0.00 | 0.00 |
| 0.00 | | 0.00 | 0.00 | 0.00 |

Handwritten signature: H. J. Kim

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : TS
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(50) Toluene (TMP)

16.314min (+ 0.000) 0.192 ppbv m

response 1449

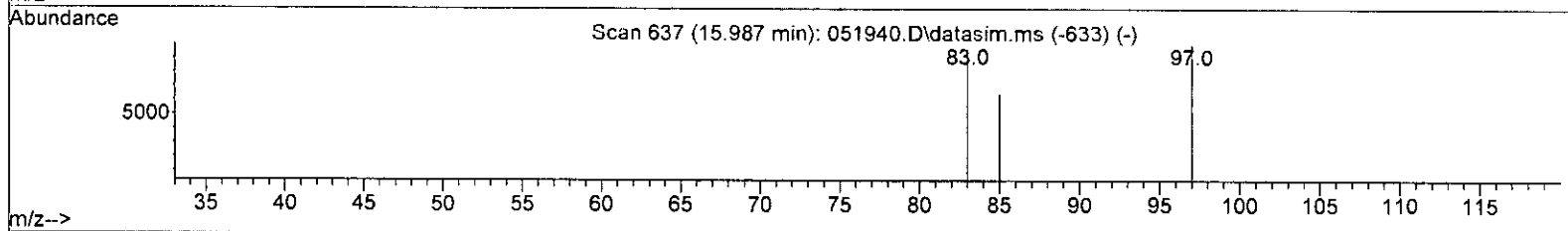
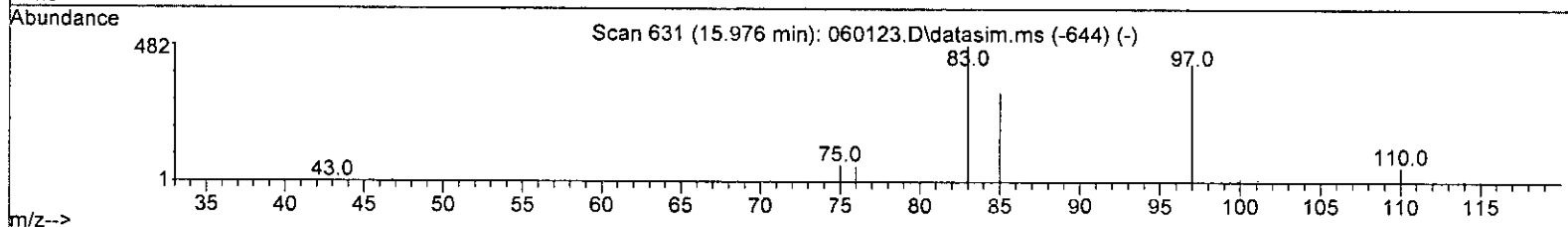
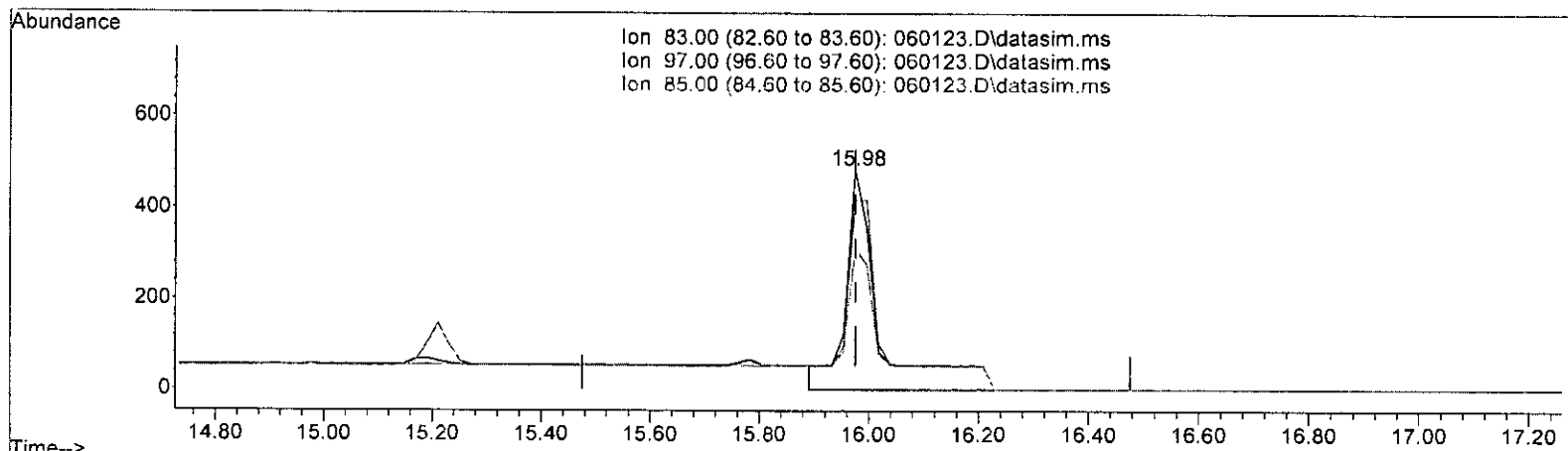
| Ion | Exp% | Act% |
|-------|--------|--------|
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 178.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

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

15.976min (-0.000) 0.387 ppbv

response 2118

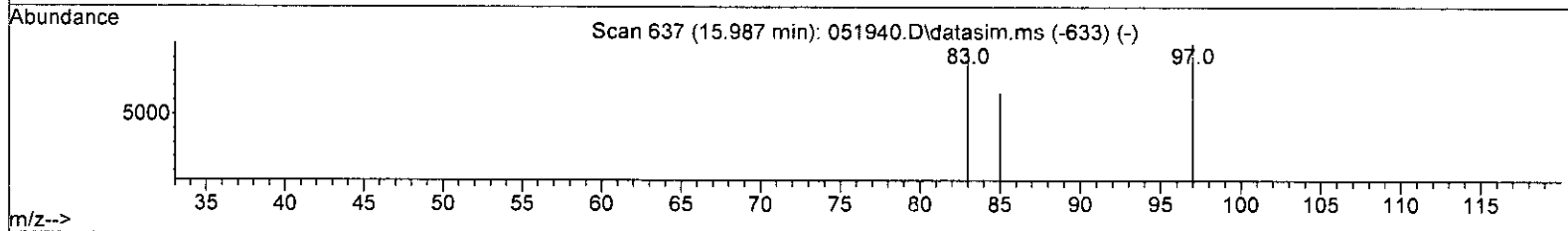
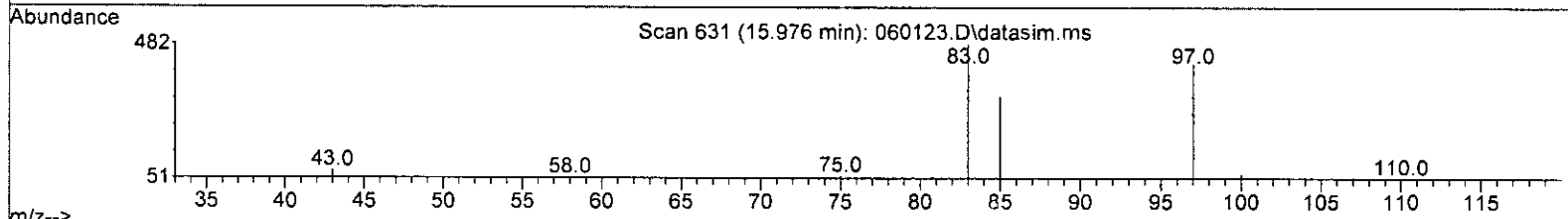
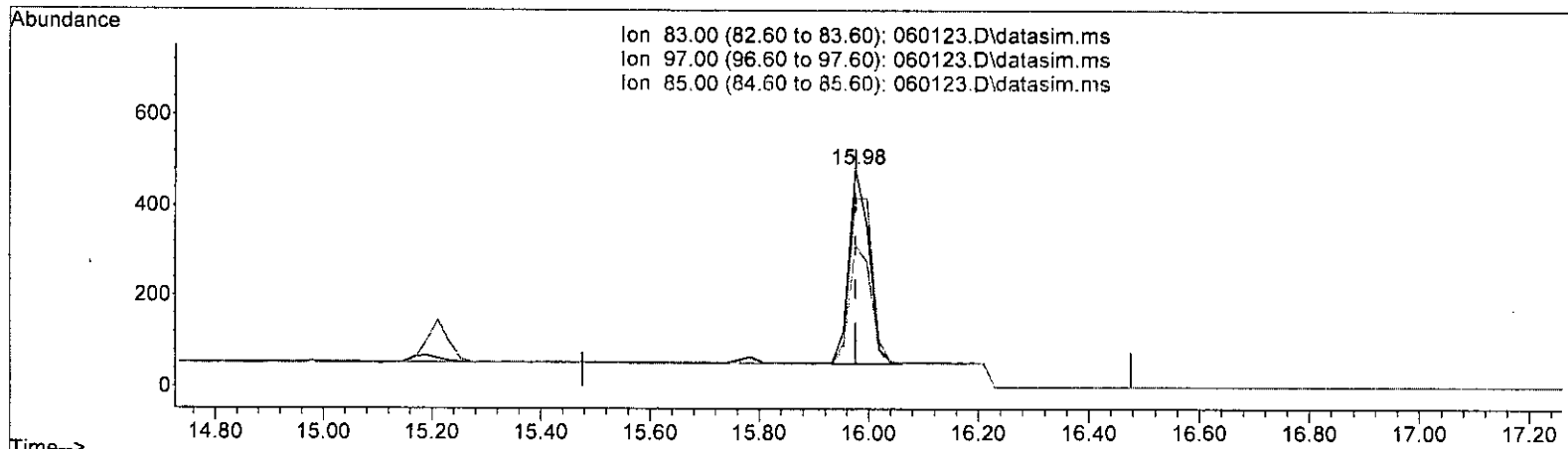
| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 86.34 |
| 85.00 | 60.50 | 84.80 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. J. Smith

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

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

15.976min (-0.000) 0.198 ppbv m

response 1082

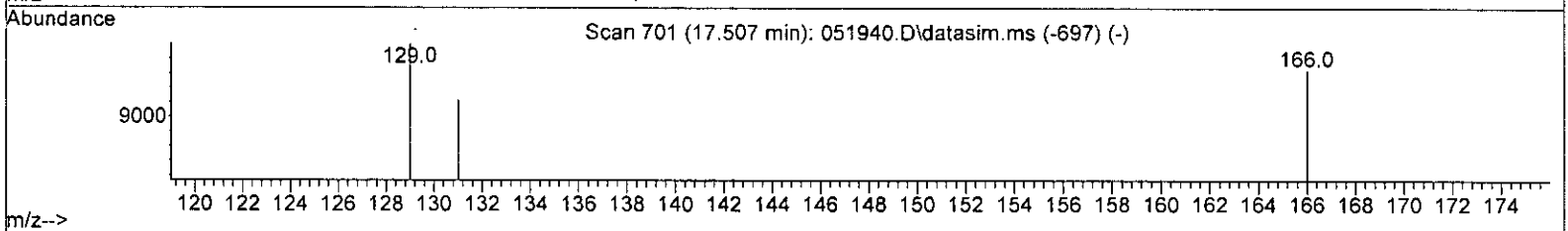
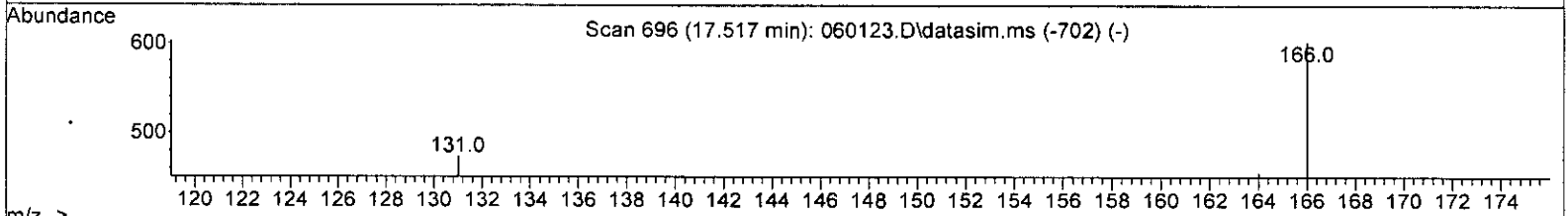
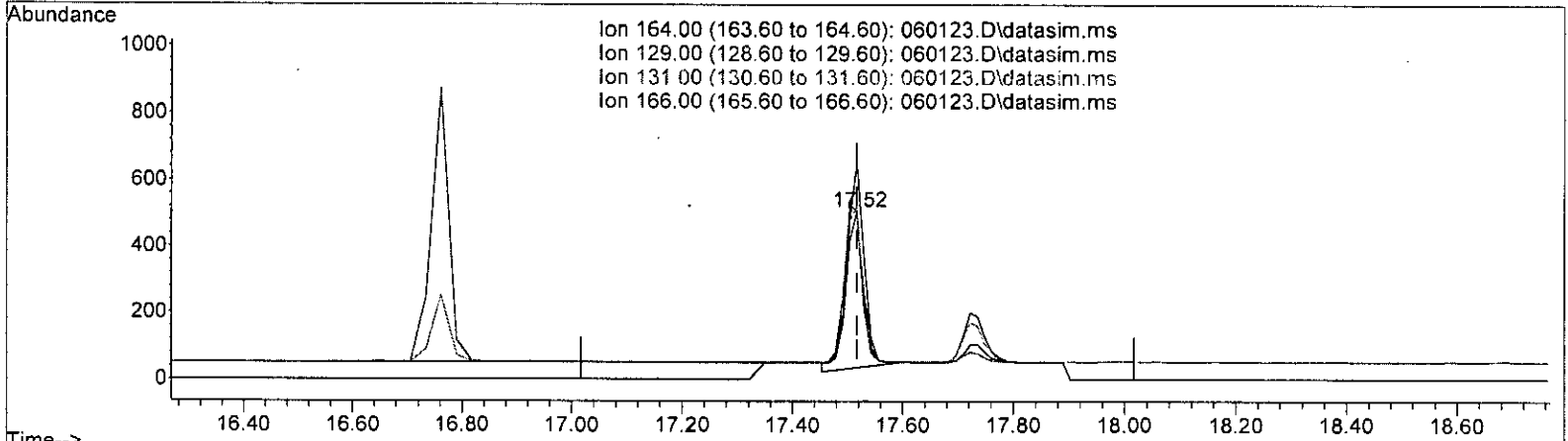
| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 86.34 |
| 85.00 | 60.50 | 64.80 |
| 0.00 | 0.00 | 0.00 |

6/6 JAM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.228 ppbv

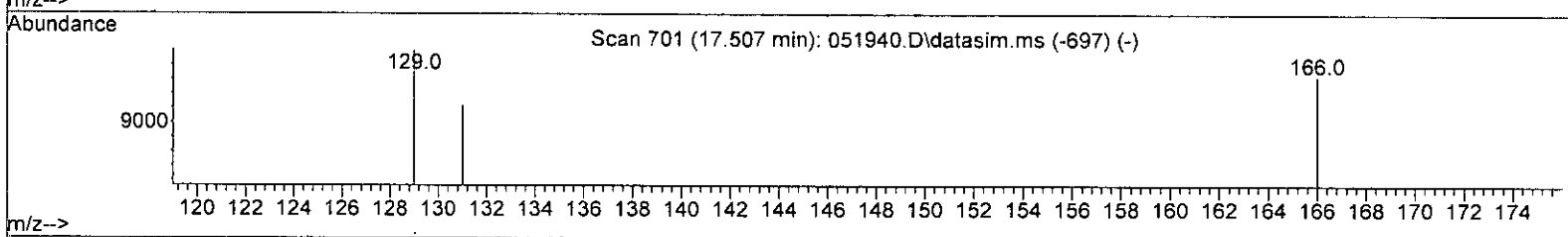
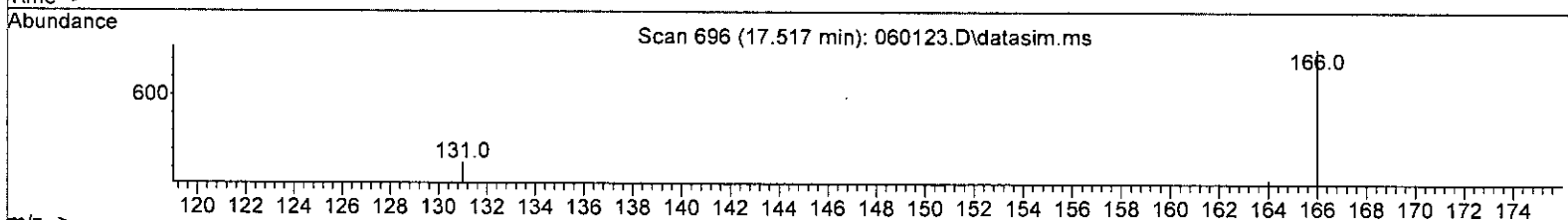
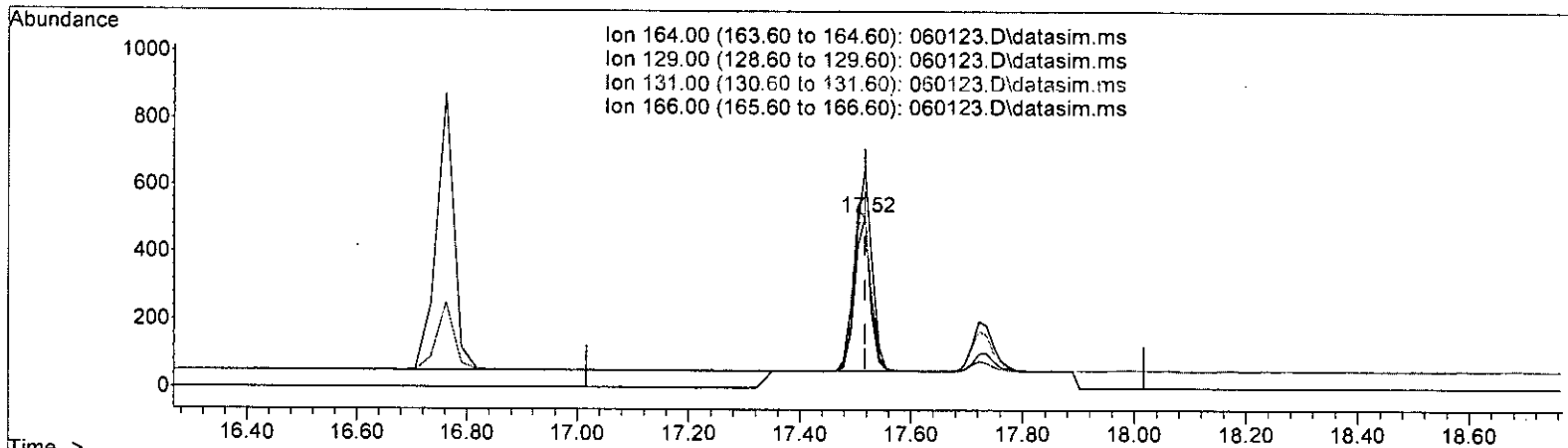
| response | Ion | Exp% | Act% |
|----------|--------|--------|--------|
| 1054 | 164.00 | 100.00 | 100.00 |
| | 129.00 | 93.20 | 98.91 |
| | 131.00 | 100.70 | 103.72 |
| | 166.00 | 137.50 | 131.95 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M



TIC: 060123.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.201 ppbv m

response 931

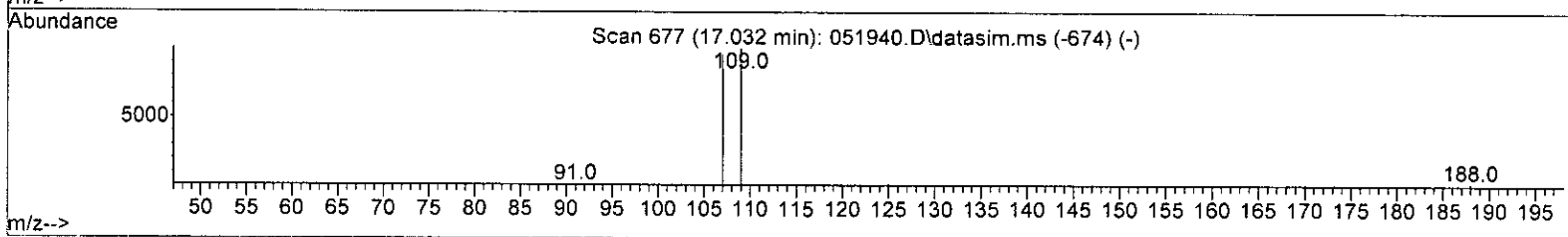
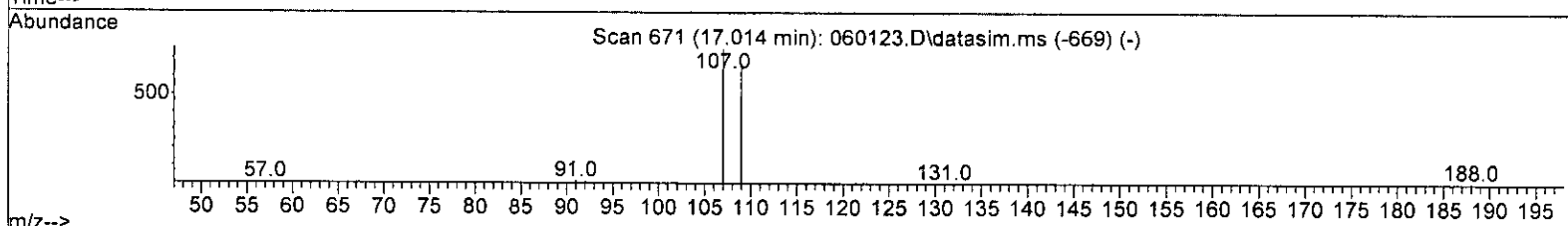
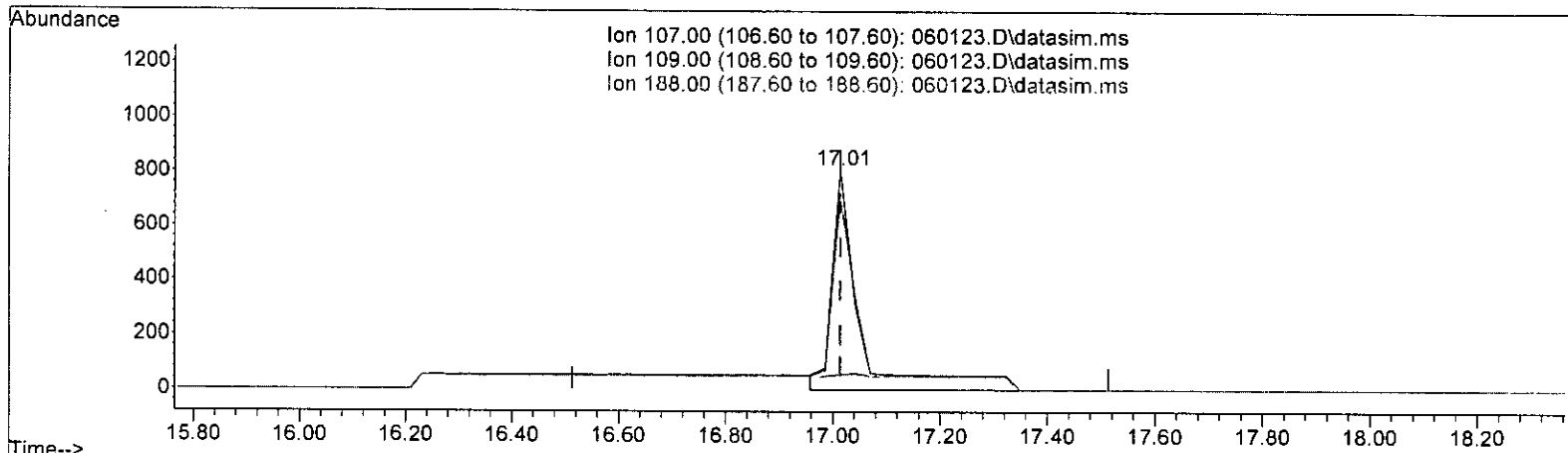
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 99.21 |
| 131.00 | 100.70 | 103.55 |
| 166.00 | 137.50 | 128.80 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

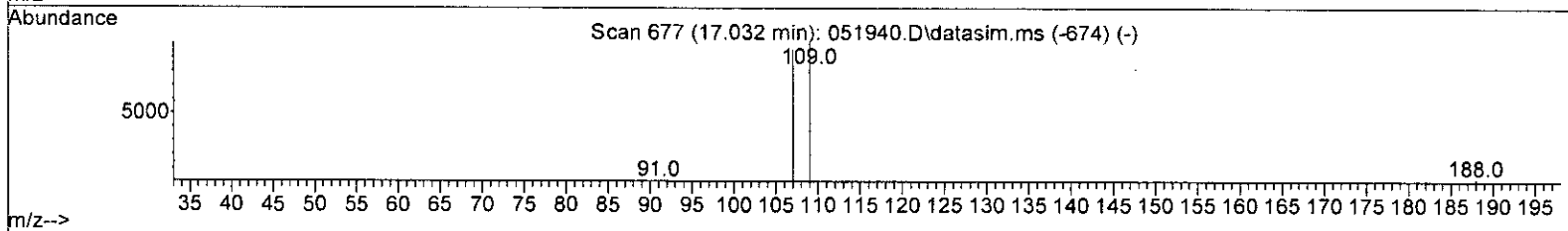
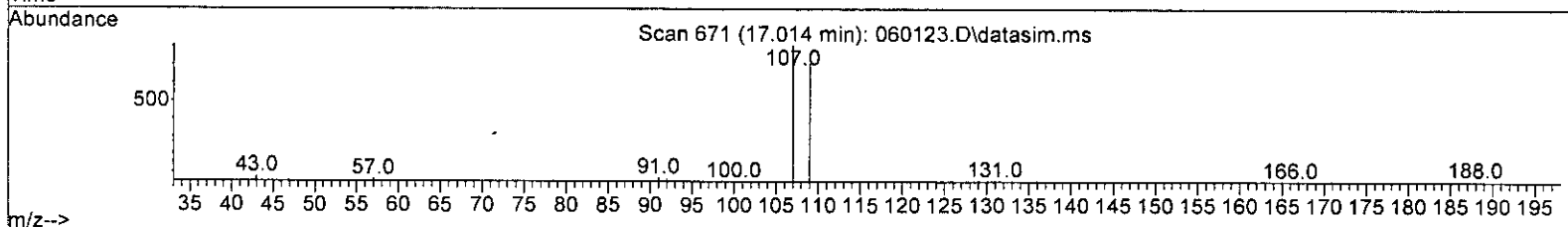
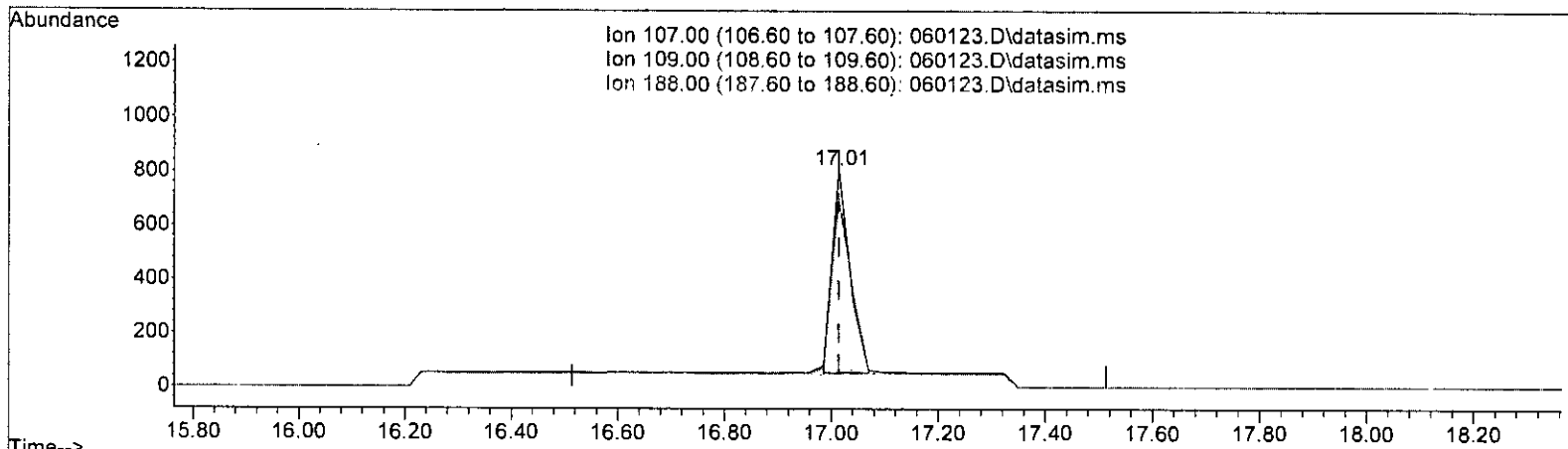
| (55) 1,2-Dibromoethane (EDB) (TMP) | | |
|------------------------------------|--------|--------|
| 17.014min (+ 0.000) | 0.345 | ppbv |
| response | 2799 | |
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.27 |
| 188.00 | 2.70 | 6.92 |
| 0.00 | 0.00 | 0.00 |

6/6 05m

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060123.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.192 ppbv m

response 1710

| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.27 |
| 188.00 | 2.70 | 6.92 |
| 0.00 | 0.00 | 0.00 |

6/6

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 0.200 | 0.000 | 100.0# | 0 | -3.41# |
| 3 TMP Dichlorodifluoromethane | 0.200 | 0.208 | -4.0 | 100 | 0.00 |
| 4 TMP Chloromethane | 0.200 | 0.229 | -14.5 | 100 | 0.00 |
| 5 TMP F-114 | 0.200 | 0.174 | 13.0 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.200 | 0.204 | -2.0 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 0.200 | 0.201 | -0.5 | 100 | 0.00 |
| 8 TMP Butane | -1.000 | 0.000 | 0.0 | 0 | -4.28# |
| 9 TMP Bromomethane | 0.200 | 0.206 | -3.0 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.200 | 0.201 | -0.5 | 93 | 0.00 |
| 11 TMP Vinyl bromide | 0.200 | 0.204 | -2.0 | 100 | 0.00 |
| 12 TMP Ethanol | -1.000 | 0.000 | 0.0 | 0 | -4.96# |
| 13 TMP Acrolein | 0.200 | 0.204 | -2.0 | 105 | 0.04 |
| 14 TMP Pentane | -1.000 | 0.000 | 0.0 | 0 | -6.25# |
| 15 TMP Trichlorofluoromethane | 0.200 | 0.164 | 18.0 | 100 | 0.00 |
| 16 TMP Acetone | -1.000 | 0.000 | 0.0 | 0 | -5.54# |
| 17 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -5.78# |
| 18 TMP 1,1-Dichloroethene | 0.200 | 0.213 | -6.5 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 0.200 | 0.208 | -4.0 | 100 | 0.00 |
| 20 TMP Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -6.57# |
| 22 TMP 3-Chloropropene | 0.200 | 0.163 | 18.5 | 100 | -0.03 |
| 23 TMP CFC-113 | 0.200 | 0.214 | -7.0 | 100 | -0.03 |
| 24 TMP Carbon disulfide | -1.000 | 0.000 | 0.0 | 0 | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 26 TMP Vinyl acetate | -1.000 | 0.000 | 0.0 | 0 | -8.51# |
| 27 TMP 1,1-Dichloroethane | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 29 TMP Hexane | -1.000 | 0.000 | 0.0 | 0 | -9.99# |
| 30 TMP Chloroform | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 31 TMP Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | -9.90# |
| 32 TMP Tetrahydrofuran | 0.200 | 0.175 | 12.5 | 100 | 0.03 |
| 33 TMP 2-Butanone (MEK) | 0.200 | 0.000 | 100.0# | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.200 | 0.209 | -4.5 | 102 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 0.200 | 0.212 | -6.0 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 0.200 | 0.211 | -5.5 | 100 | 0.00 |
| 37 TMP Benzene | 0.200 | 0.201 | -0.5 | 96 | 0.00 |
| 38 TMP Cyclohexane | -1.000 | 0.000 | 0.0 | 0 | -13.05# |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.200 | 0.211 | -5.5 | 100 | 0.05 |
| 42 TMP 2,2,4-Trimethylpentane | -1.000 | 0.000 | 0.0 | 0 | -14.21# |
| 43 TMP Methyl methacrylate | -1.000 | 0.000 | 0.0 | 0 | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | -1.000 | 0.000 | 0.0 | 0 | -14.53# |
| 45 TMP Bromodichloromethane | 0.200 | 0.204 | -2.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.200 | 0.201 | -0.5 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.200 | 0.211 | -5.5 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.200 | 0.195 | 2.5 | 100 | 0.00 |
| 50 TMP Toluene | 0.200 | 0.192 | 4.0 | 97 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -16.56# |
| 53 TMP Tetrachloroethene | 0.200 | 0.201 | -0.5 | 96 | 0.00 |
| 54 TMP Dibromochloromethane | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.200 | 0.192 | 4.0 | 94 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 0.200 | 0.185 | 7.5 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 0.200 | 0.207 | -3.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.200 | 0.211 | -5.5 | 100 | 0.00 |
| 60 TMP Nonane | -1.000 | 0.000 | 0.0 | 0 | -19.32# |
| 61 TMP Isopropylbenzene | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -20.17# |
| 63 TMP Propylbenzene | 0.200 | 0.193 | 3.5 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | -1.000 | 0.000 | 0.0 | 0 | -20.33# |
| 65 TMP m,p-Xylene | 0.400 | 0.397 | 0.8 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.200 | 0.209 | -4.5 | 100 | 0.00 |
| 67 TMP Styrene | 0.200 | 0.193 | 3.5 | 100 | 0.00 |
| 68 TMP Bromoform | 0.200 | 0.222 | -11.0 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.024 | -0.2 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.200 | 0.191 | 4.5 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 0.200 | 0.192 | 4.0 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 0.200 | 0.178 | 11.0 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 0.200 | 0.195 | 2.5 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.200 | 0.194 | 3.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 0.200 | 0.192 | 4.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.200 | 0.169 | 15.5 | 100 | 0.00 |
| 77 TMP Naphthalene | 0.200 | 0.146 | 27.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 0.200 | 0.202 | -1.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 0.000 | 100.0# | 0# | -3.41# |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.484 | -4.1 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.888 | -14.7 | 100 | 0.00 |
| 5 TMP F-114 | 4.259 | 3.714 | 12.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.890 | -2.2 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.216 | -0.4 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 0.000 | 100.0# | 0# | -4.28# |
| 9 TMP Bromomethane | 1.588 | 1.640 | -3.3 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.690 | -0.7 | 93 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.687 | -1.9 | 100 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP Acrolein | 0.664 | 0.679 | -2.3 | 105 | 0.04 |
| 14 TMP Pentane | 2.765 | 0.000# | 100.0# | 0# | -6.25# |
| 15 TMP Trichlorofluoromethane | 4.466 | 3.664 | 18.0 | 100 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP 2-Propanol | 3.342 | 0.000 | 100.0# | 0# | -5.78# |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.692 | -6.6 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.631 | -4.0 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 0.000# | 100.0# | 0# | -6.75# |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 0.000 | 100.0# | 0# | -6.57# |
| 22 TMP 3-Chloropropene | 2.167 | 1.767 | 18.5 | 100 | -0.03 |
| 23 TMP CFC-113 | 3.396 | 3.630 | -6.9 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 5.043 | 0.000 | 100.0# | 0# | -7.25# |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.534 | 0.9 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 0.000# | 100.0# | 0# | -8.51# |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.578 | -4.9 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.728 | -1.4 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 0.000 | 100.0# | 0# | -9.99# |
| 30 TMP Chloroform | 4.005 | 4.206 | -5.0 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 0.000 | 100.0# | 0# | -9.90# |
| 32 TMP Tetrahydrofuran | 1.847 | 1.615 | 12.6 | 100 | 0.03 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.685 | -4.6 | 102 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.691 | -6.2 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.735 | -5.6 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.502 | -0.7 | 96 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 0.000 | 100.0# | 0# | -13.05# |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.595 | 1.0 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.279 | -5.3 | 100 | 0.05 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 0.000 | 100.0# | 0# | -14.21# |
| 43 TMP Methyl methacrylate | 0.552 | 0.000 | 100.0# | 0# | -14.34# |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.000 | 100.0# | 0# | -14.53# |
| 45 TMP Bromodichloromethane | 0.974 | 0.991 | -1.7 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.619 | -0.7 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.726 | -5.4 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.676 | 2.7 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.760 | 4.0 | 97 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.567 | 1.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.000# | 100.0# | 0# | -16.56# |
| 53 TMP Tetrachloroethene | 0.486 | 0.488 | -0.4 | 96 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.956 | -1.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.897 | 3.9 | 94 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 0.988 | 7.7 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.798 | -3.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.614 | -5.4 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.000 | 100.0# | 0# | -19.32# |
| 61 TMP Isopropylbenzene | 1.497 | 1.573 | -5.1 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.000 | 100.0# | 0# | -20.17# |
| 63 TMP Propylbenzene | 3.019 | 2.909 | 3.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 0.000 | 100.0# | 0# | -20.33# |
| 65 TMP m,p-Xylene | 0.620 | 0.615 | 0.8 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.551 | -4.6 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.741 | 3.4 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 1.042 | -10.9 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.711 | -0.3 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.293 | 4.4 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.273 | 3.9 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.039 | 11.3 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.026 | 2.6 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.957 | 3.1 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.977 | 3.9 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.676 | 15.3 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.896 | 27.1 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.112 | -0.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 5 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 21956 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 95351 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 80725 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 57358 | 10.024 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 100.20% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 1969 | 0.208 | ppbv | 91 |
| 4) Chloromethane | 3.69 | 50 | 829 | 0.229 | ppbv | 95 |
| 5) F-114 | 3.88 | 85 | 1631 | 0.174 | ppbv | 71 |
| 6] Vinyl chloride | 4.01 | 62 | 830 | 0.204 | ppbv | 99 |
| 7] 1,3-Butadiene | 4.21 | 54 | 534 | 0.201 | ppbv # | 88 |
| 8) Butane | 0.00 | | 0 | N.D. | d | |
| 9) Bromomethane | 4.60 | 94 | 720 | 0.206 | ppbv | 85 |
| 10] Chloroethane | 4.80 | 64 | 303m | 0.201 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 741m | 0.204 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13] Acrolein | 5.41 | 56 | 298 | 0.204 | ppbv # | 1 |
| 14) Pentane | 0.00 | | 0 | N.D. | d | |
| 15) Trichlorofluoromethane | 5.82 | 101 | 1609 | 0.164 | ppbv | 74 |
| 16) Acetone | 0.00 | | 0 | N.D. | | |
| 17) 2-Propanol | 0.00 | | 0 | N.D. | d | |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 743 | 0.213 | ppbv | 95 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 716 | 0.208 | ppbv # | 71 |
| 20) Methylene chloride | 0.00 | | 0 | N.D. | d | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | |
| 22) 3-Chloropropene | 6.91 | 41 | 776 | 0.163 | ppbv # | 46 |
| 23) CFC-113 | 7.12 | 101 | 1594 | 0.214 | ppbv | 95 |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | d | |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 1552 | 0.198 | ppbv | 99 |
| 26) Vinyl acetate | 0.00 | | 0 | N.D. | d | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 1571 | 0.210 | ppbv | 98 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 759 | 0.203 | ppbv | 90 |
| 29) Hexane | 0.00 | | 0 | N.D. | d | |
| 30] Chloroform | 10.07 | 83 | 1847 | 0.210 | ppbv | 99 |
| 31) Ethyl acetate | 0.00 | | 0 | N.D. | d | |
| 32) Tetrahydrofuran | 10.75 | 42 | 709 | 0.175 | ppbv # | 41 |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 1179m | 0.209 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 1621 | 0.212 | ppbv | 99 |
| 36] Carbon tetrachloride | 12.83 | 117 | 1640 | 0.211 | ppbv | 97 |
| 37] Benzene | 12.58 | 78 | 2416m | 0.201 | ppbv | |
| 38) Cyclohexane | 0.00 | | 0 | N.D. | d | |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 1134m | 0.198 | ppbv | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

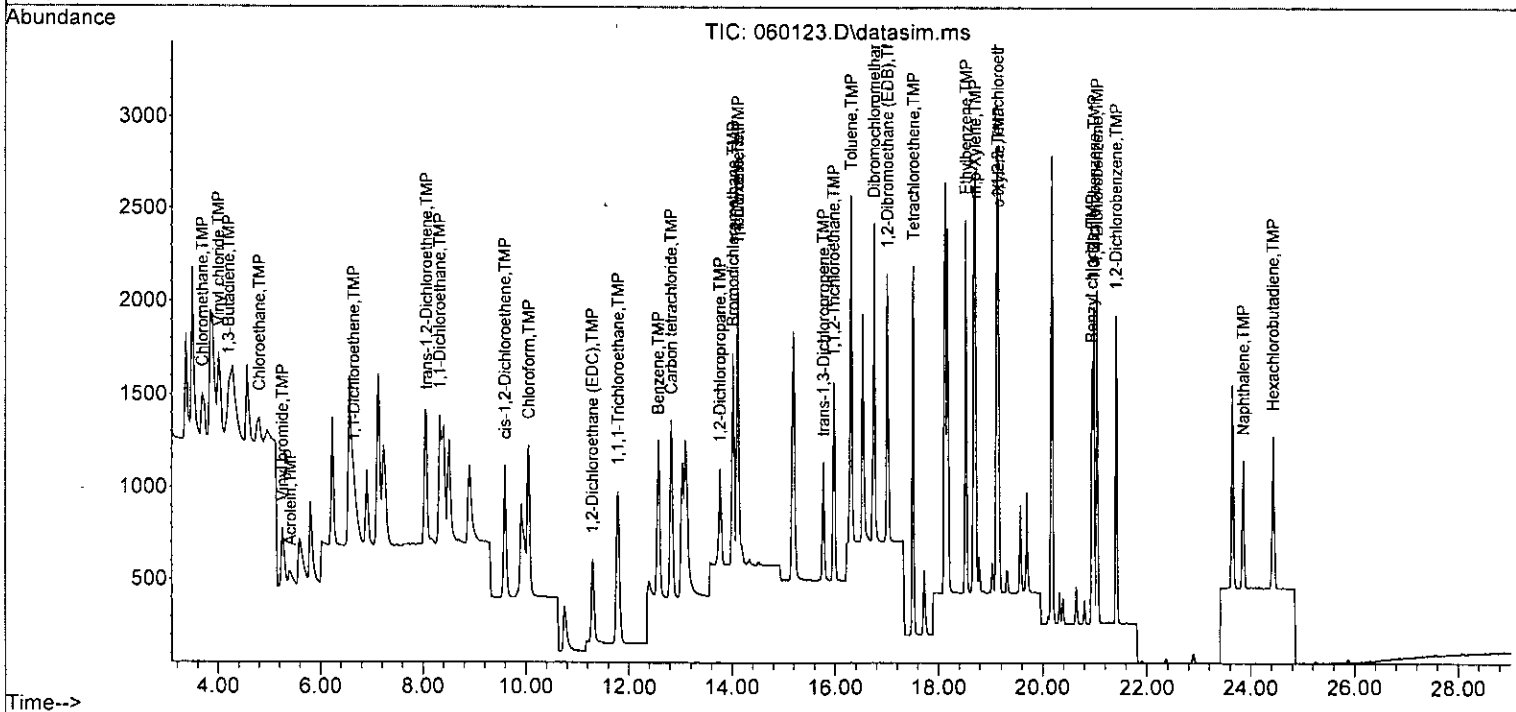
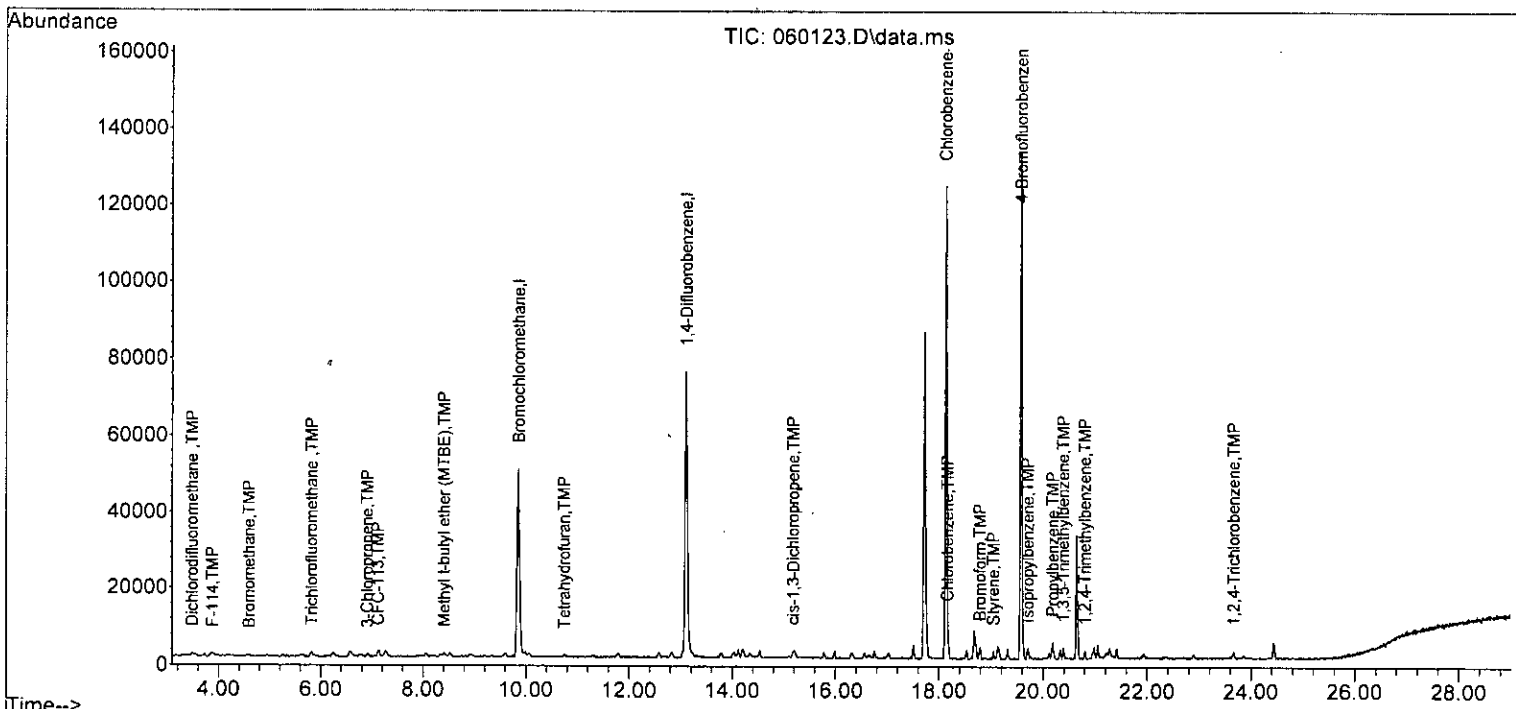
Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41] 1,4-Dioxane | 14.12 | 88 | 533 | 0.211 | ppbv | 84 |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | d | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | d | |
| 44) Heptane | 0.00 | | 0 | N.D. | d | |
| 45] Bromodichloromethane | 14.02 | 83 | 1890 | 0.204 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 1180 | 0.201 | ppbv | 97 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 1384 | 0.211 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 1290 | 0.195 | ppbv | 89 |
| 50] Toluene | 16.31 | 92 | 1449m | 0.192 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 1082m | 0.198 | ppbv | |
| 52) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 53] Tetrachloroethene | 17.52 | 164 | 931m | 0.201 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 1824 | 0.203 | ppbv | 93 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 1710m | 0.192 | ppbv | |
| 57) Chlorobenzene | 18.17 | 112 | 1595 | 0.185 | ppbv | 87 |
| 58] Ethylbenzene | 18.53 | 91 | 2903 | 0.207 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 2605 | 0.211 | ppbv | 93 |
| 60) Nonane | 0.00 | | 0 | N.D. | d | |
| 61) Isopropylbenzene | 19.72 | 105 | 2540 | 0.210 | ppbv | 95 |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 63) Propylbenzene | 20.19 | 91 | 4697 | 0.193 | ppbv | 96 |
| 64) 4-Ethyltoluene | 0.00 | | 0 | N.D. | d | |
| 65] m,p-Xylene | 18.70 | 106 | 1987 | 0.397 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 890 | 0.209 | ppbv | 98 |
| 67) Styrene | 19.05 | 104 | 1197 | 0.193 | ppbv | 97 |
| 68) Bromoform | 18.80 | 173 | 1683 | 0.222 | ppbv | 94 |
| 70] Benzyl chloride | 20.95 | 91 | 2087 | 0.191 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 2056 | 0.192 | ppbv | 93 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 1678 | 0.178 | ppbv | 97 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 1657 | 0.195 | ppbv | 91 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 1545 | 0.194 | ppbv | 92 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 1577 | 0.192 | ppbv | 95 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 1091 | 0.169 | ppbv | 83 |
| 77] Naphthalene | 23.86 | 128 | 1446 | 0.146 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 1795 | 0.202 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060123.D
 Acq On : 2 Jun 2023 3:05 am
 Operator : bat
 Sample : 0.2 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS7

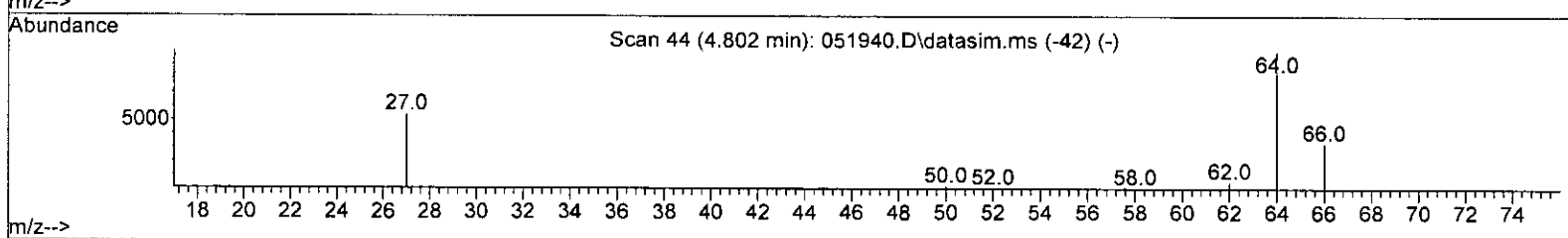
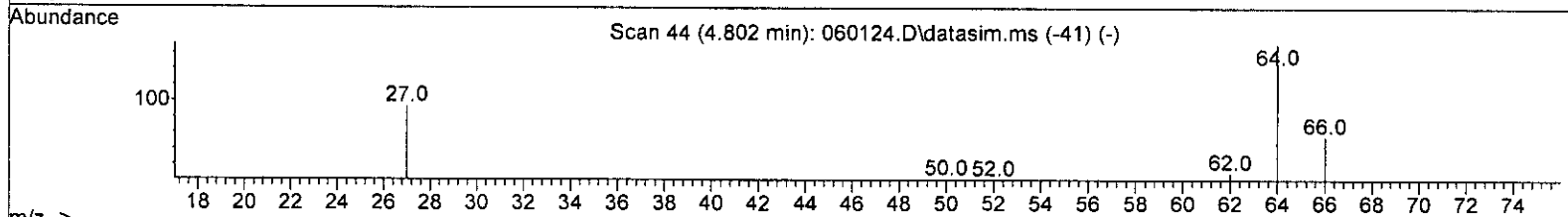
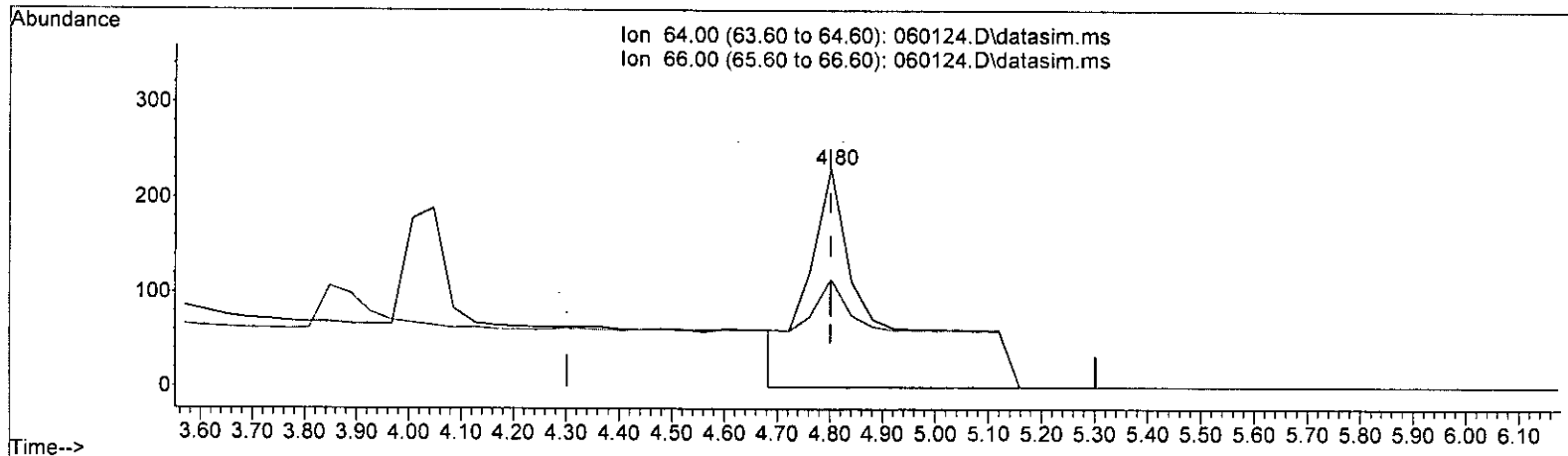
Quant Time: Jun 06 13:06:43 2023
 Quant Method : I:\GCM57 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCM57 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

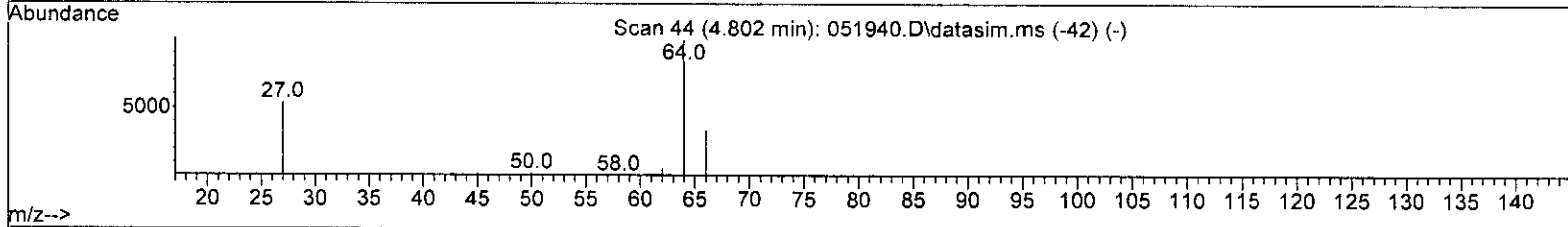
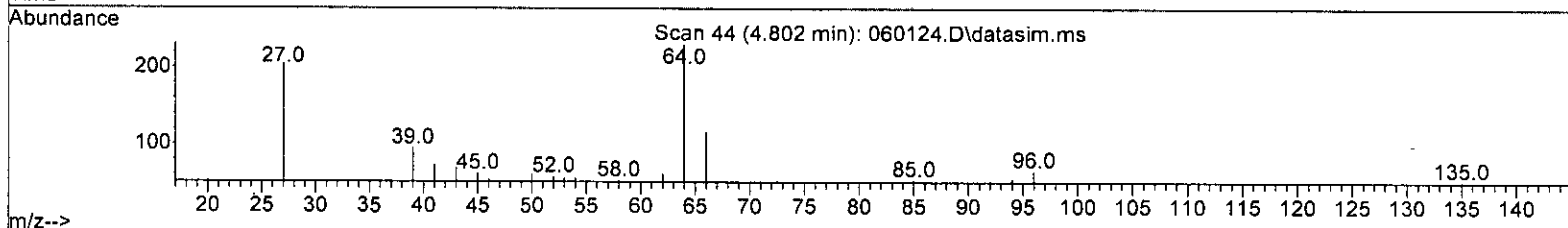
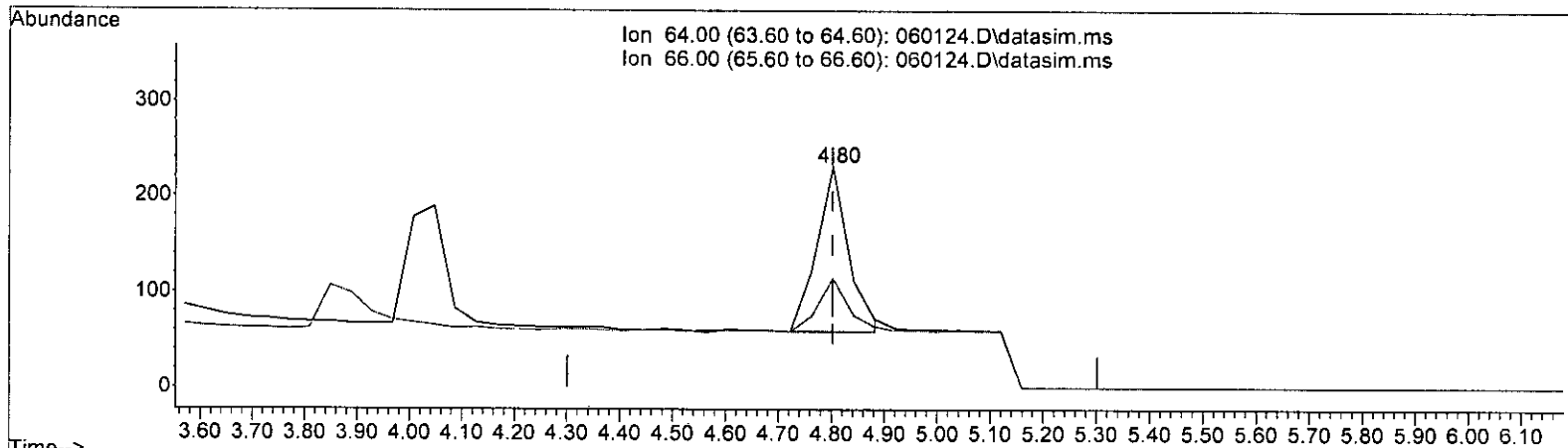
| (10) Chloroethane (TM ²) | | |
|--------------------------------------|------------|--------|
| 4.802min (+ 0.000) | 1.421 ppbv | |
| response | 2197 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 49.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

of 6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

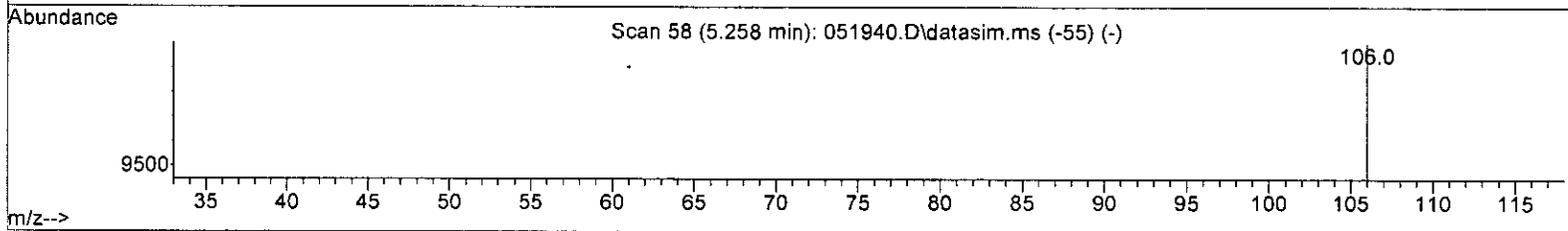
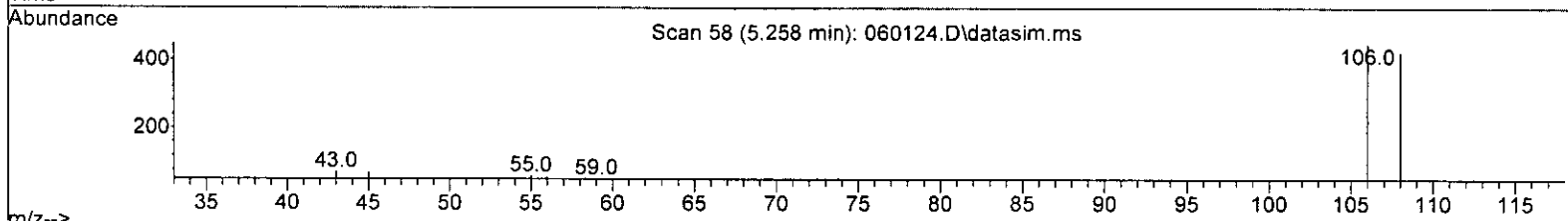
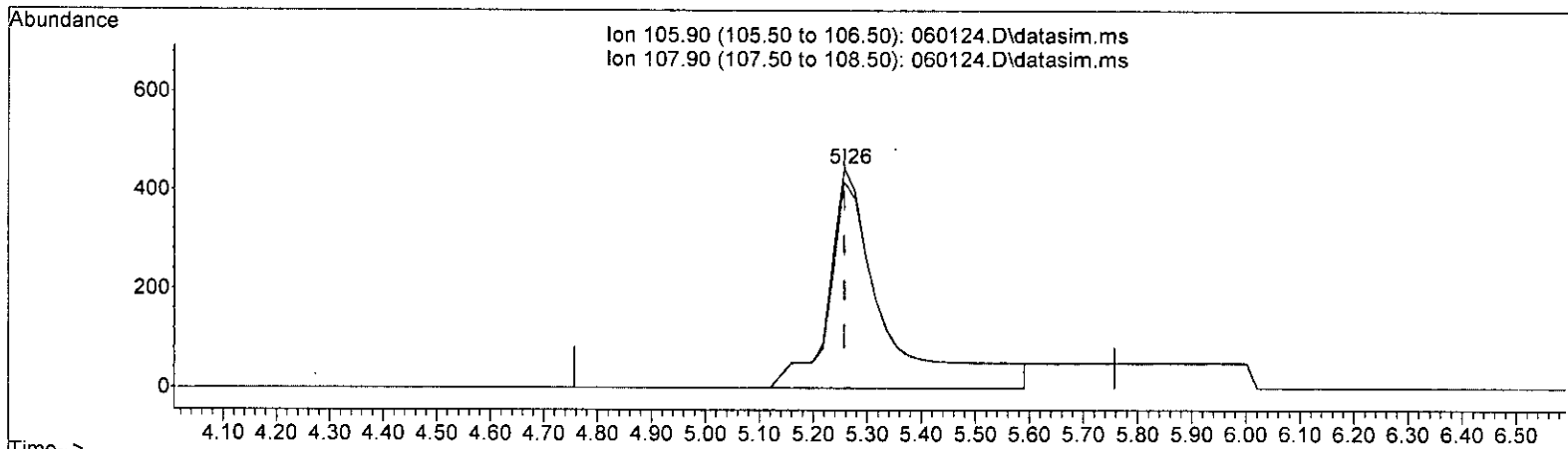
| (10) Chloroethane (TMP) | | | |
|---------------------------------|--------|--------|--|
| 4.802min (+ 0.000) 0.464 ppbv m | | | |
| response | 718 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 49.78 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

6/6 Jun

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



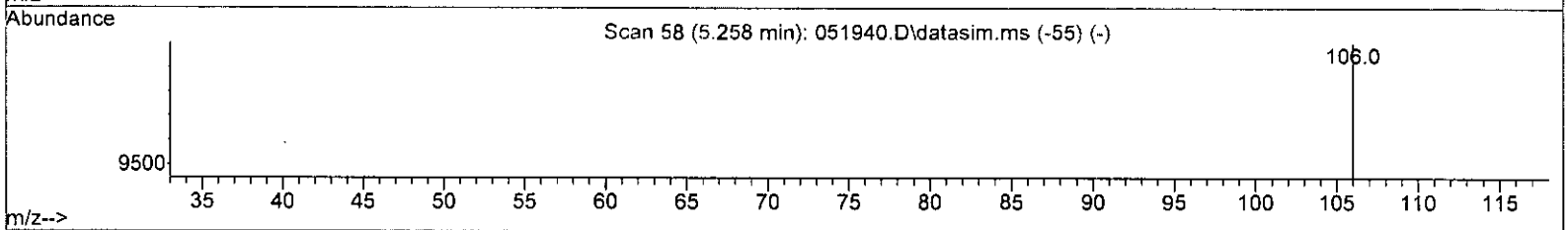
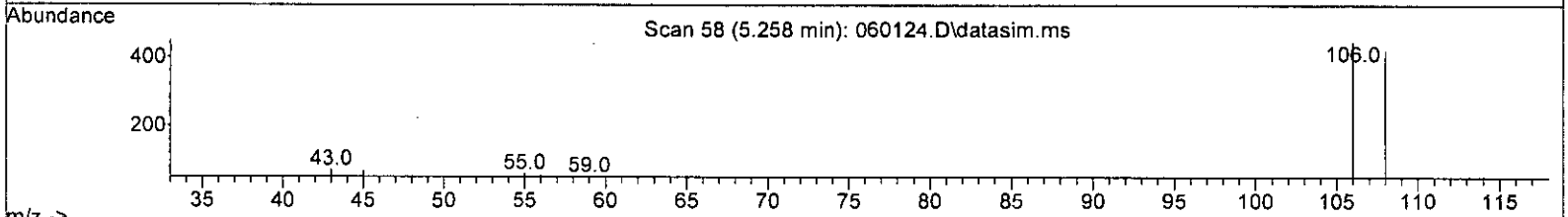
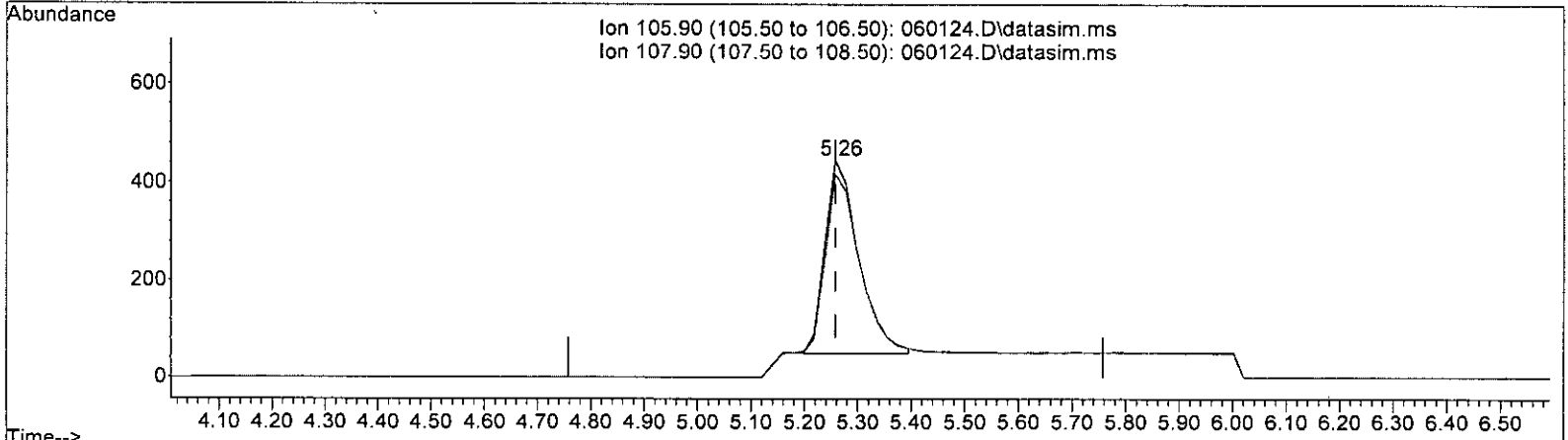
TIC: 060124.D\data.ms

| (11) Vinyl bromide (TMP) | | | |
|--------------------------|--------|--------|---------------|
| 5.258min (-0.000) | 0.909 | ppbv | |
| response | 3393 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | <i>6/6 DM</i> |
| 107.90 | 94.10 | 90.16 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

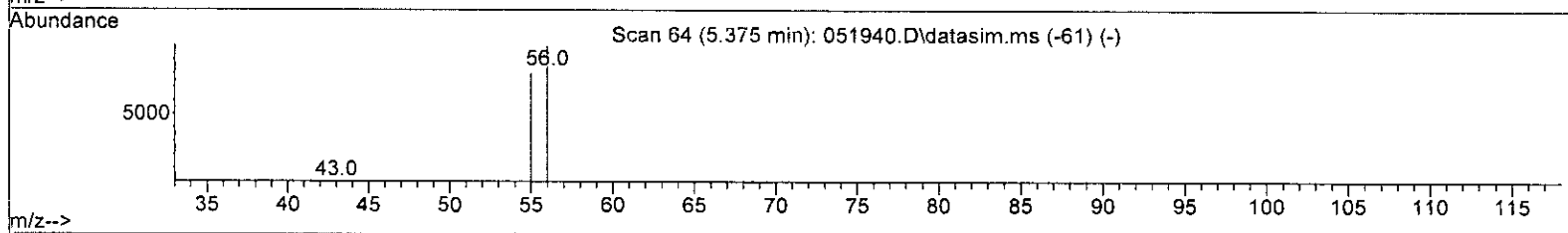
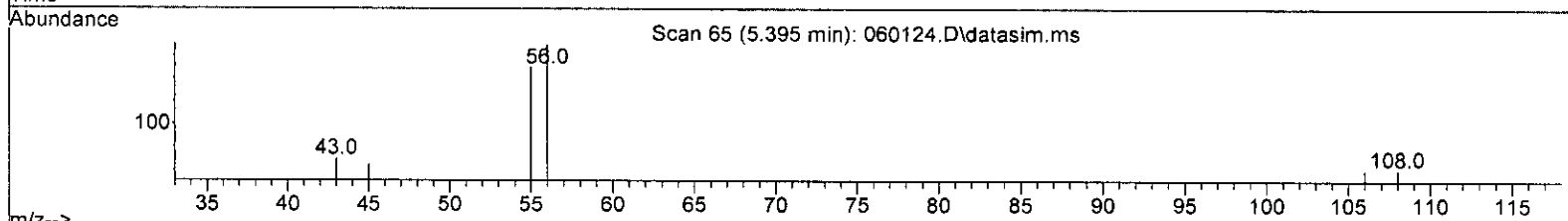
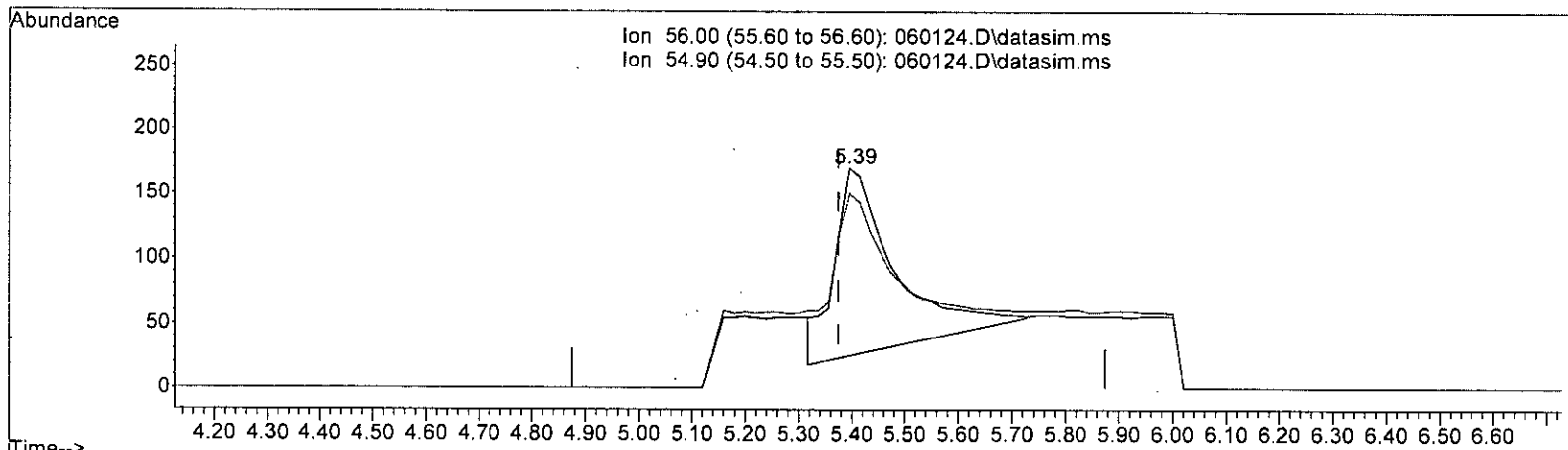
| (11) Vinyl bromide (TMP) | | | |
|--------------------------------|--------|---------|--|
| 5.258min (-0.000) 0.466 ppbv m | | | |
| response | 1738 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 176.01# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

6/6 Jun

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

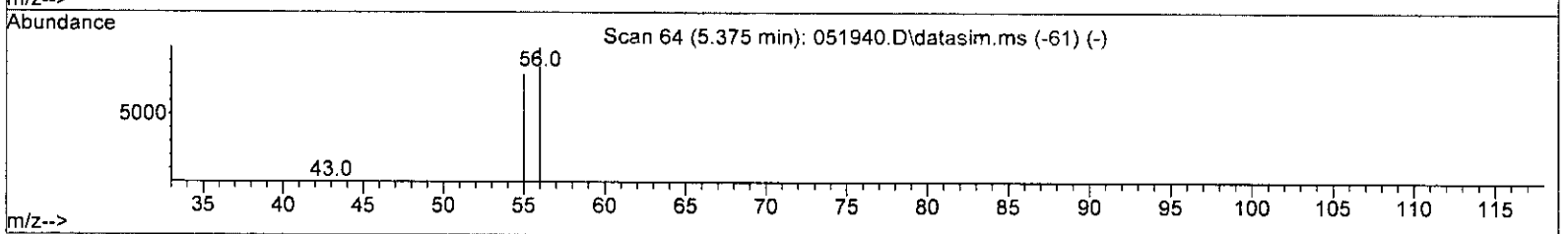
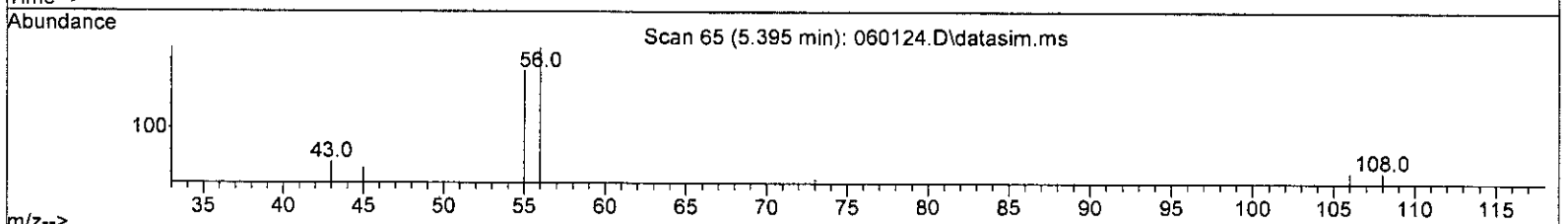
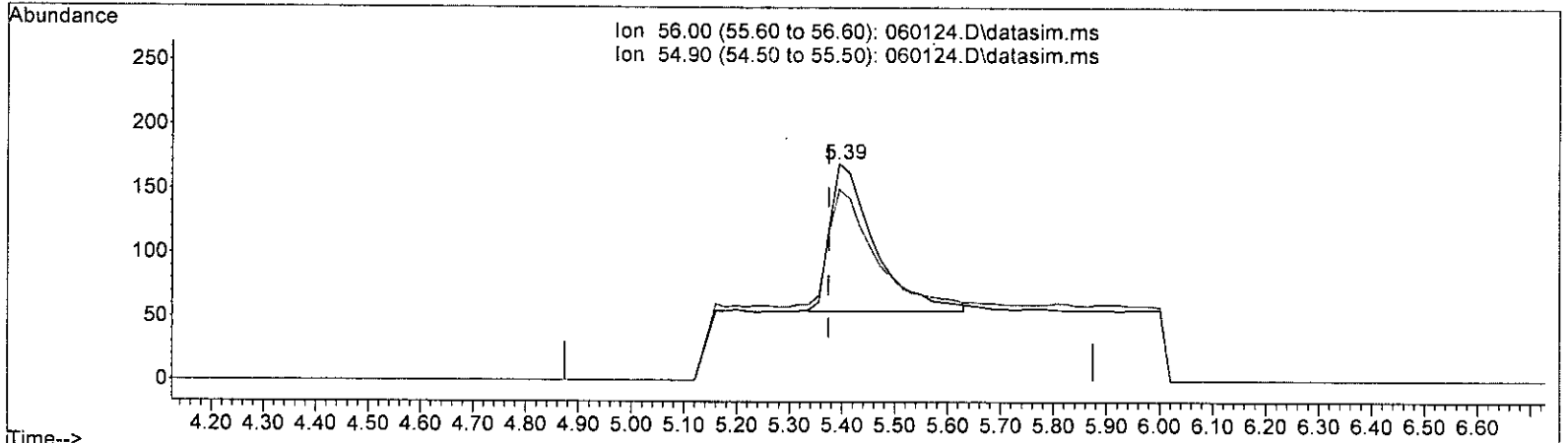
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.395min (+ 0.020) | 0.766 | ppbv |
| response | 1148 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 45.47# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.452 ppbv m

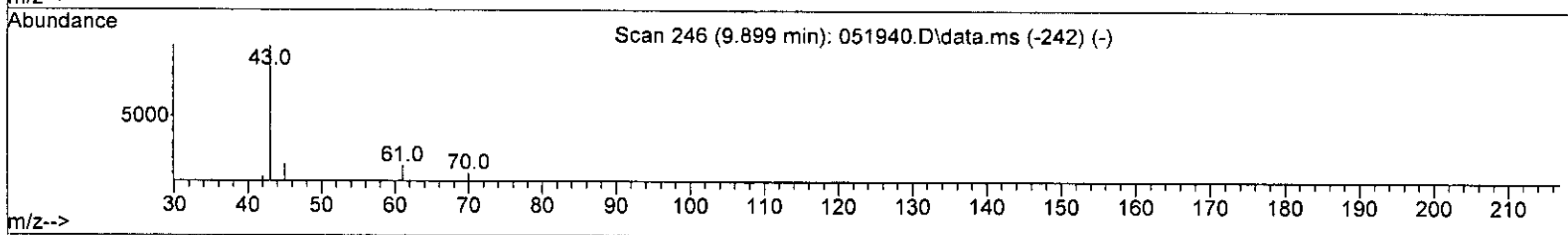
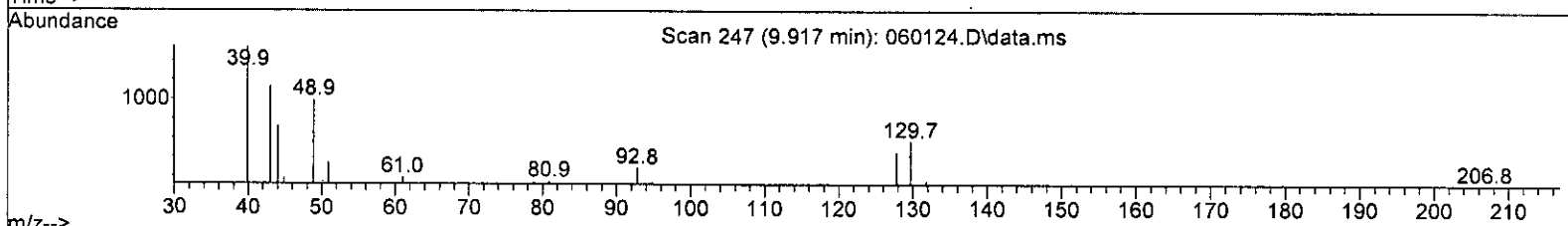
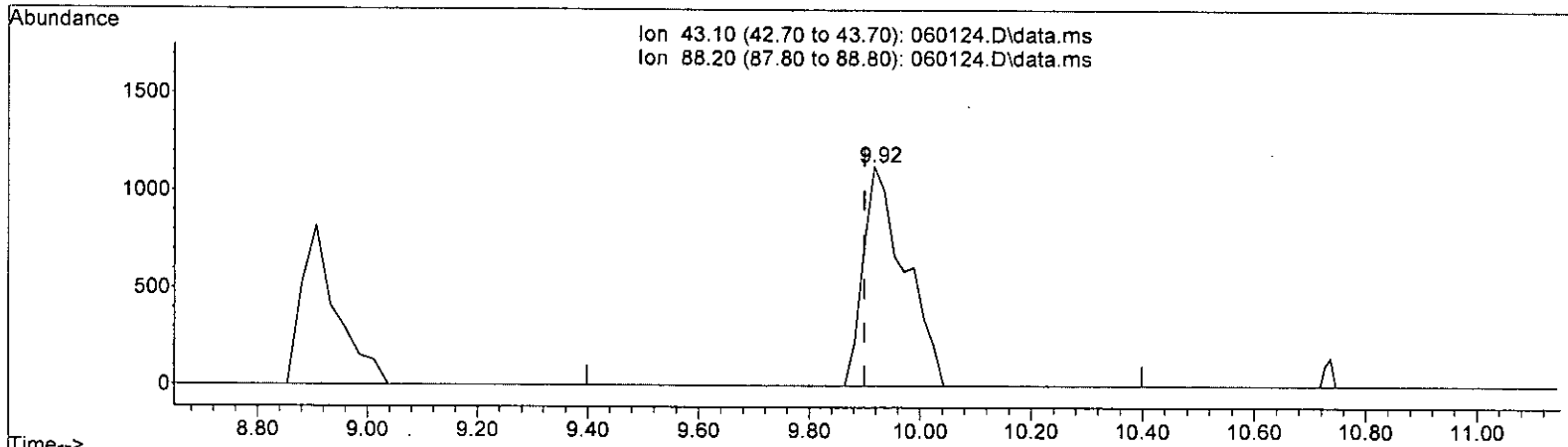
| response | 677 |
|----------|---------------|
| Ion | Exp% Act% |
| 56.00 | 100.00 100.00 |
| 54.90 | 81.00 77.10 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

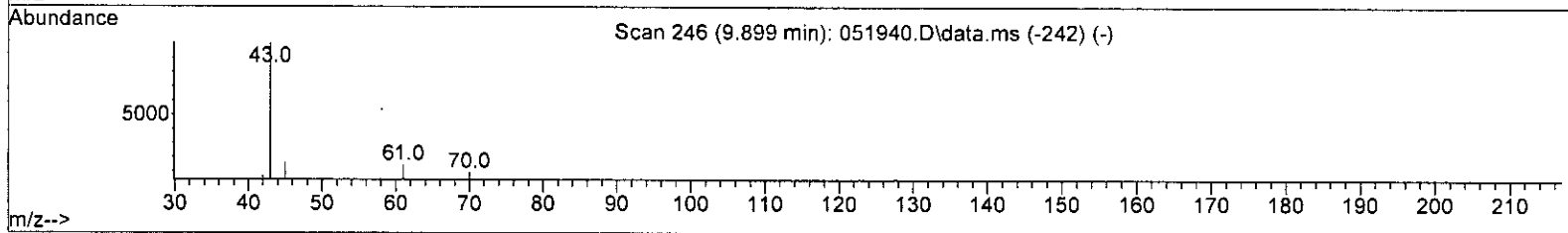
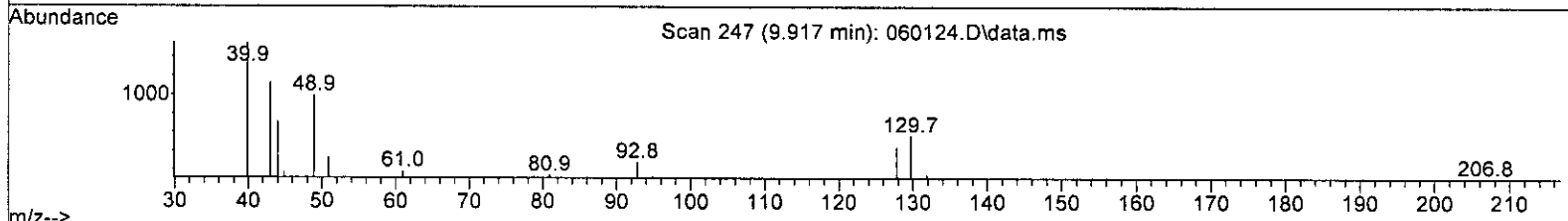
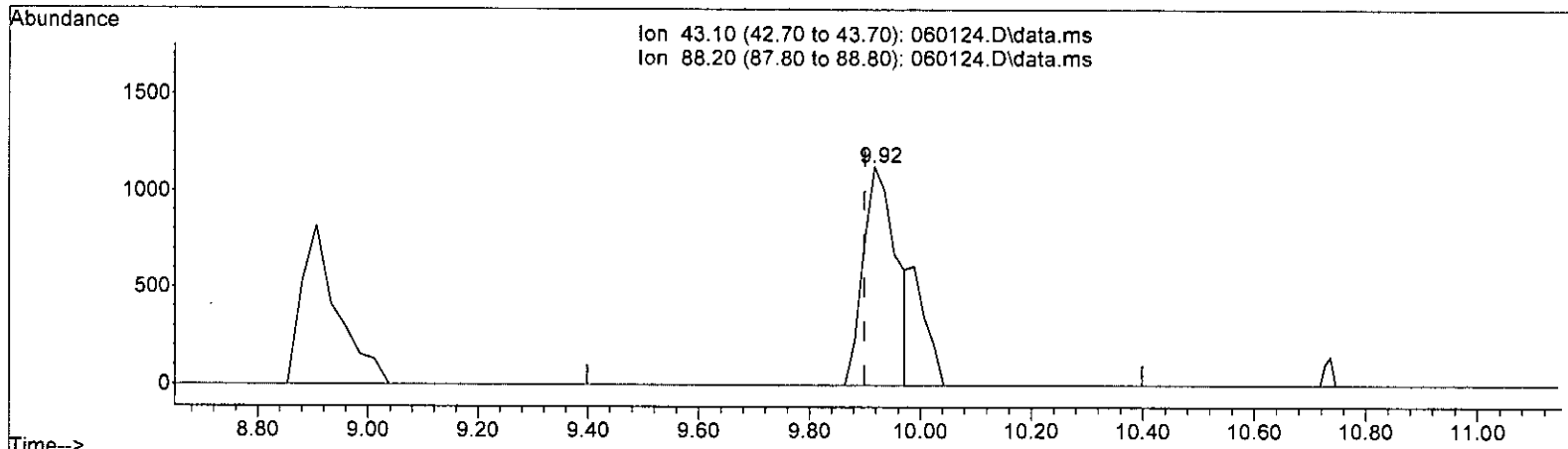
| (31) Ethyl acetate (TMP) | | |
|--------------------------|--------|--------|
| 9.917min (+ 0.018) | 0.668 | ppbv |
| response | 5927 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G/L JRM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(31) Ethyl acetate (TMP)

9.917min (+ 0.018) 0.527 ppbv m

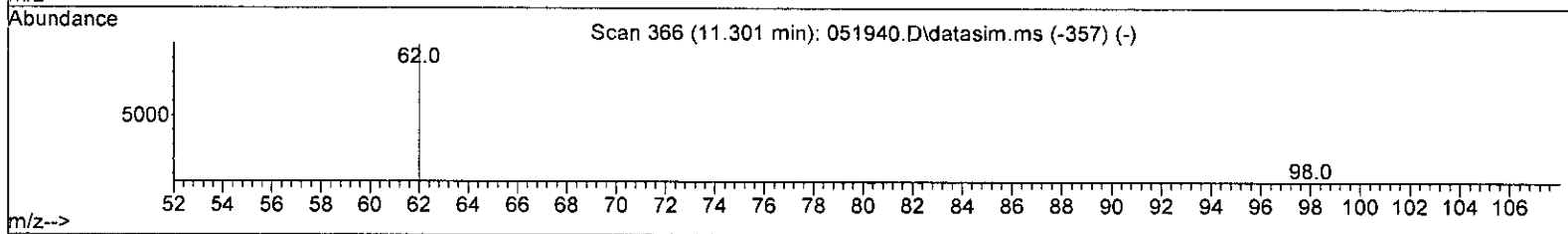
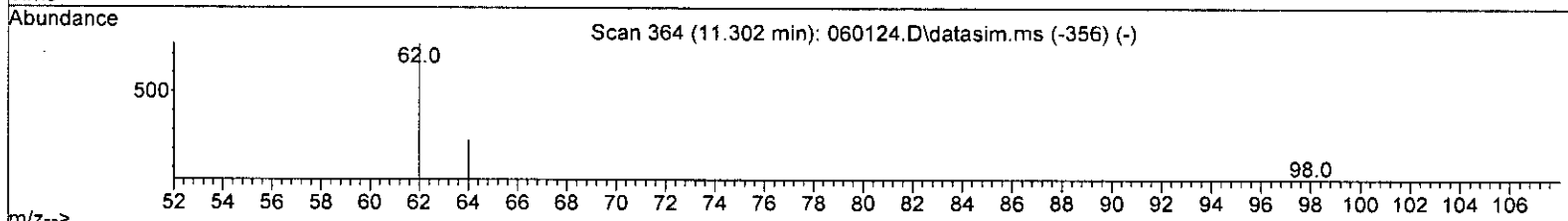
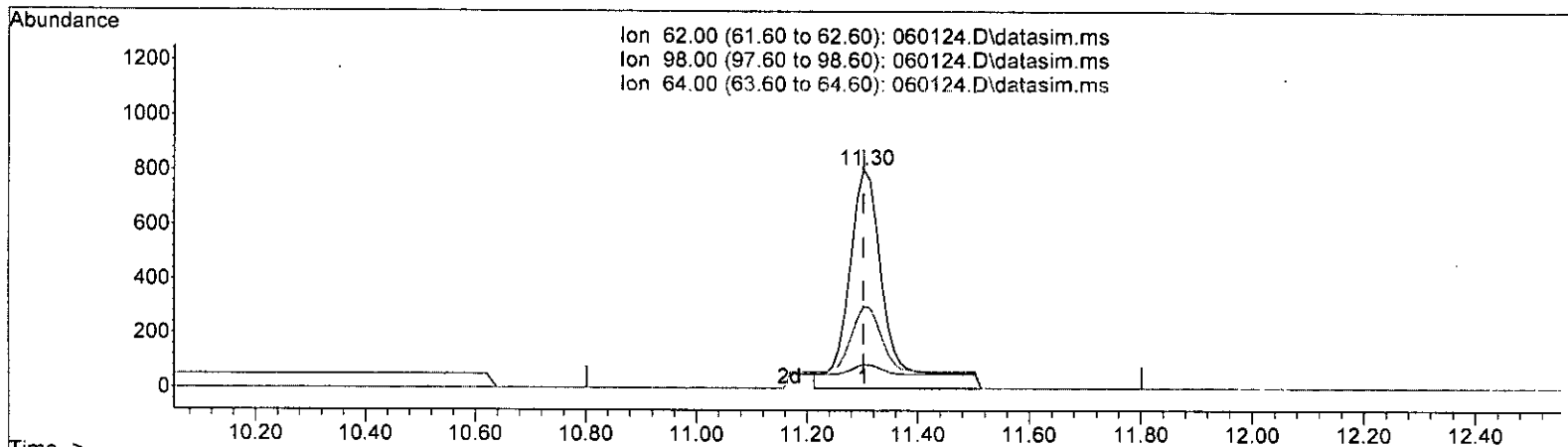
| response | 4674 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

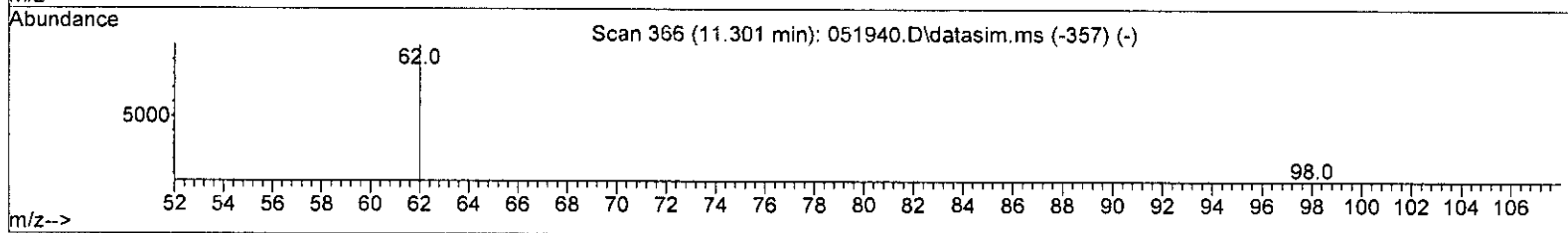
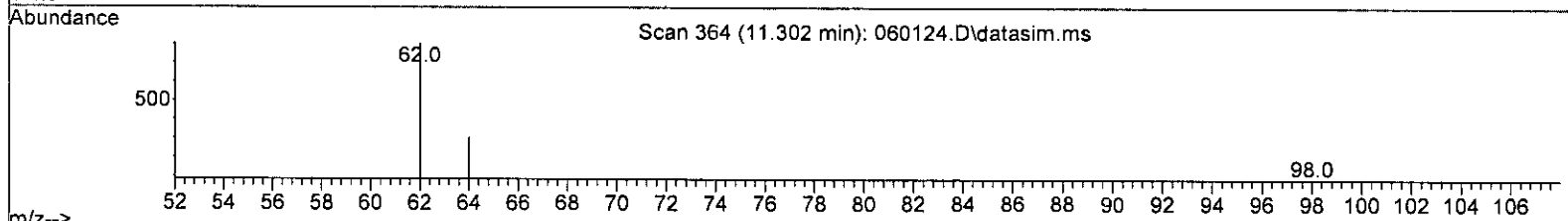
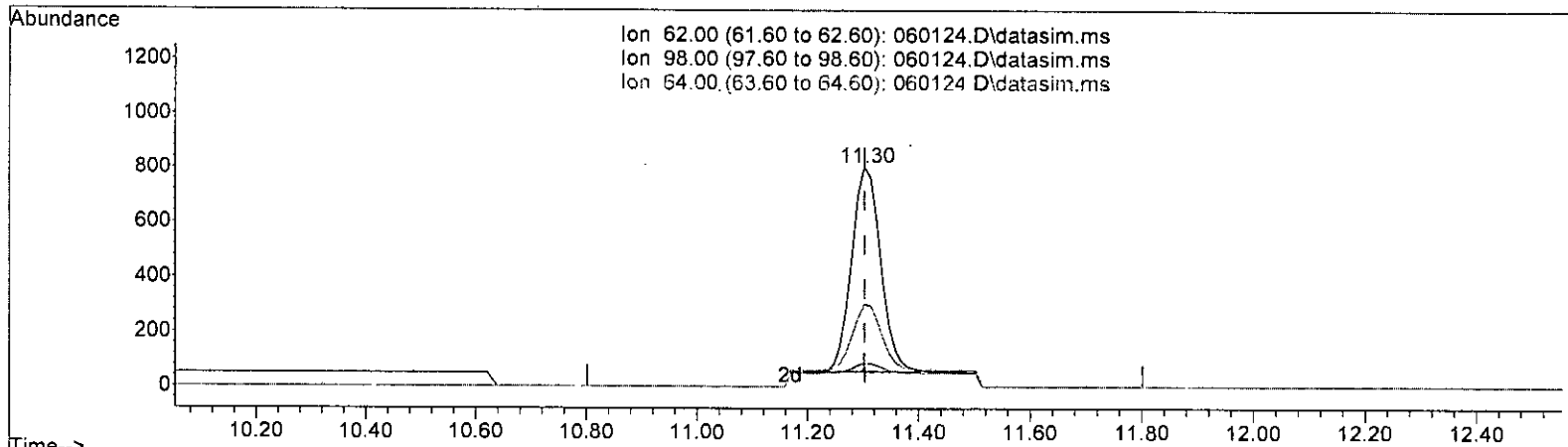
| (34) 1,2-Dichloroethane (ZDC) (TMP) | | | |
|-------------------------------------|--------|--------|--|
| 11.302min (+ 0.000) | 0.633 | ppbv | |
| response | 3667 | | |
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 10.70 | |
| 64.00 | 33.00 | 37.44 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.467 ppbv m

response 2701

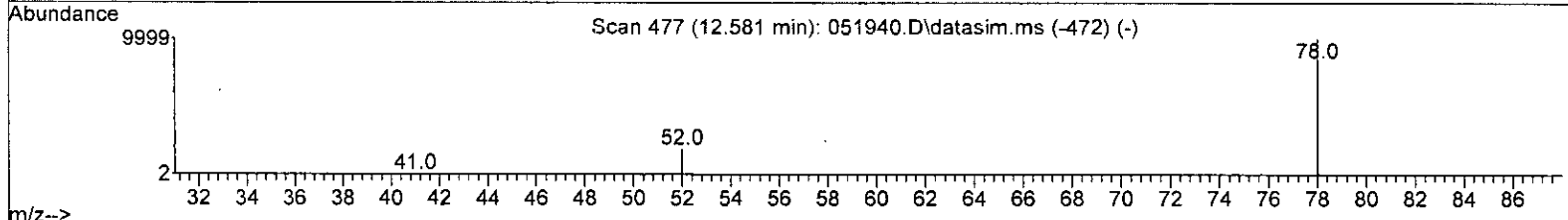
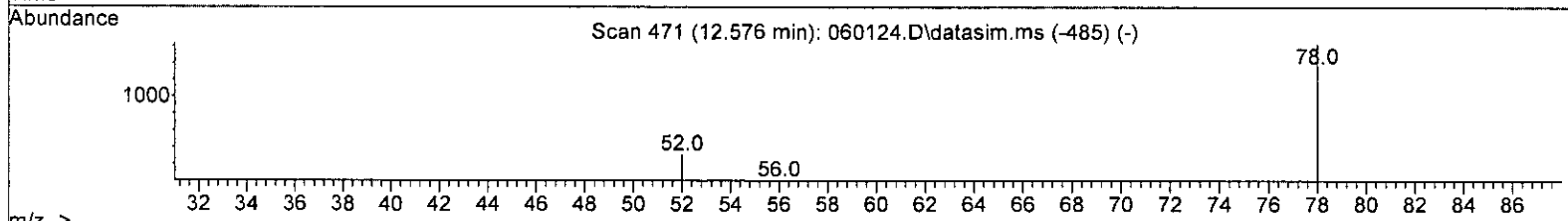
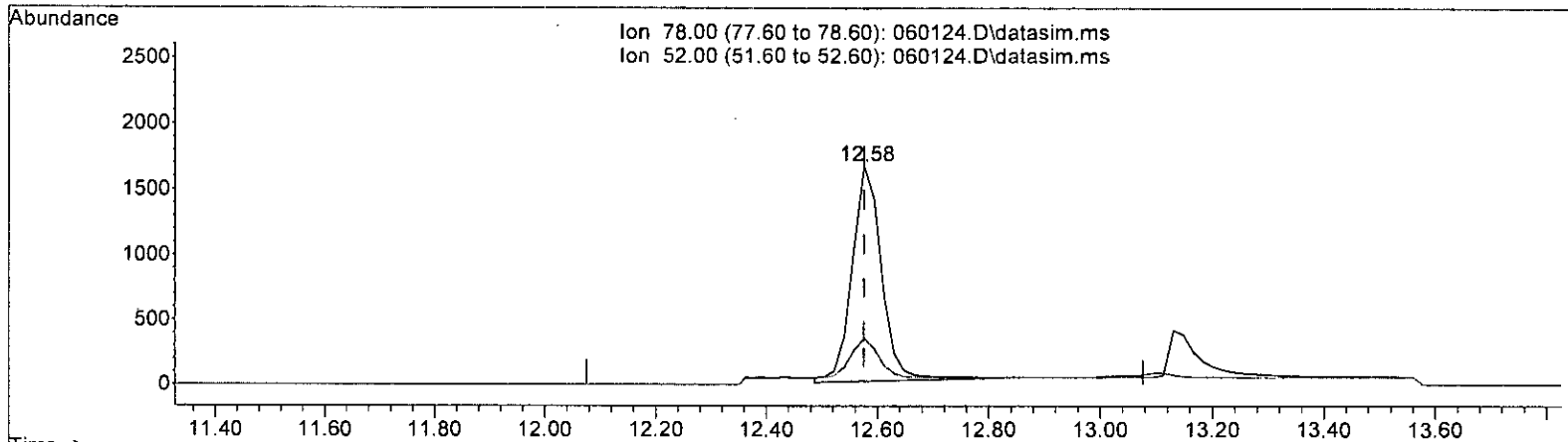
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 10.70 |
| 64.00 | 33.00 | 37.44 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T01S 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

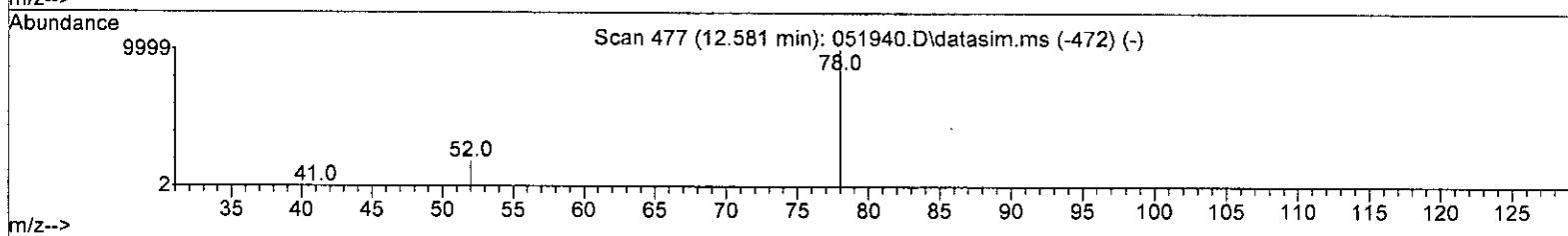
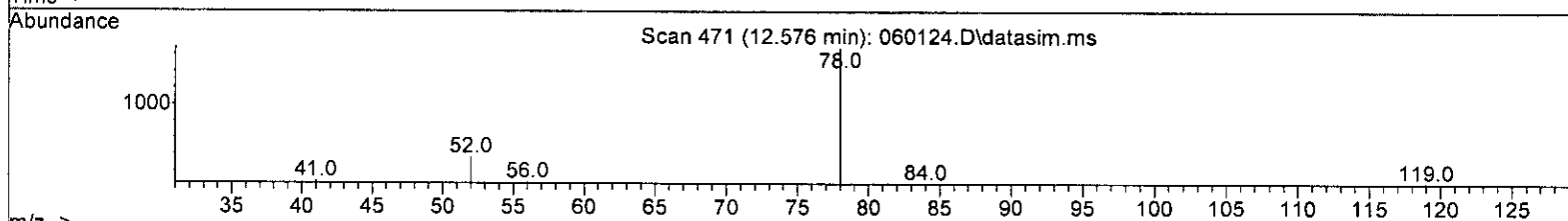
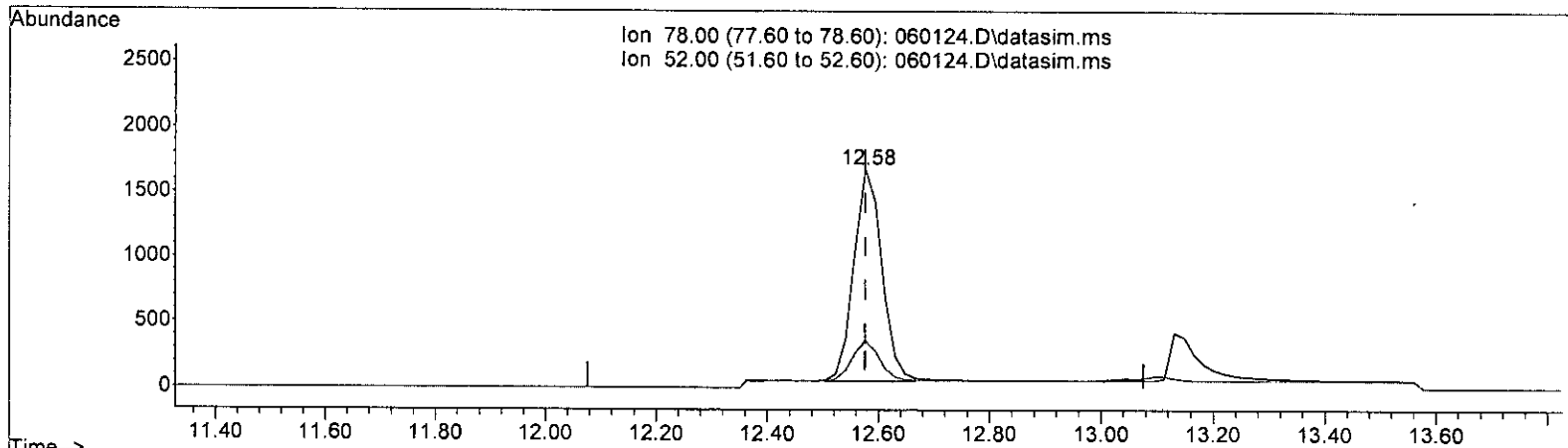
| (37) Benzene (TMP) | | | |
|---------------------|------------|--------|--|
| 12.576min (+ 0.000) | 0.495 ppbv | | |
| response | 6102 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 18.80 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



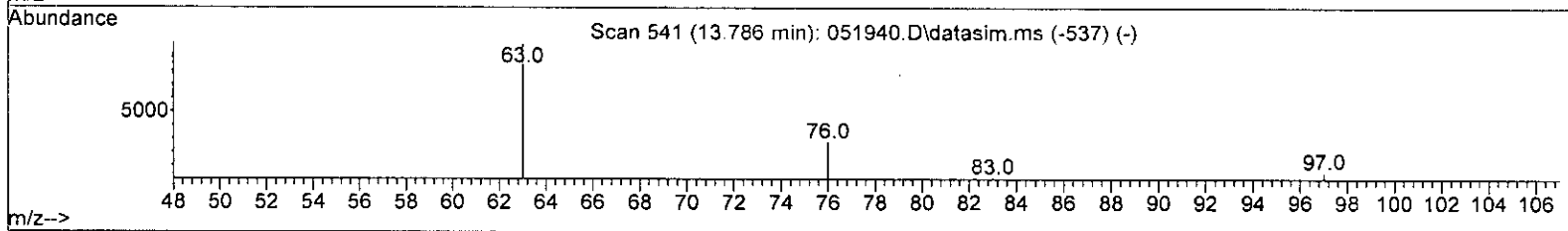
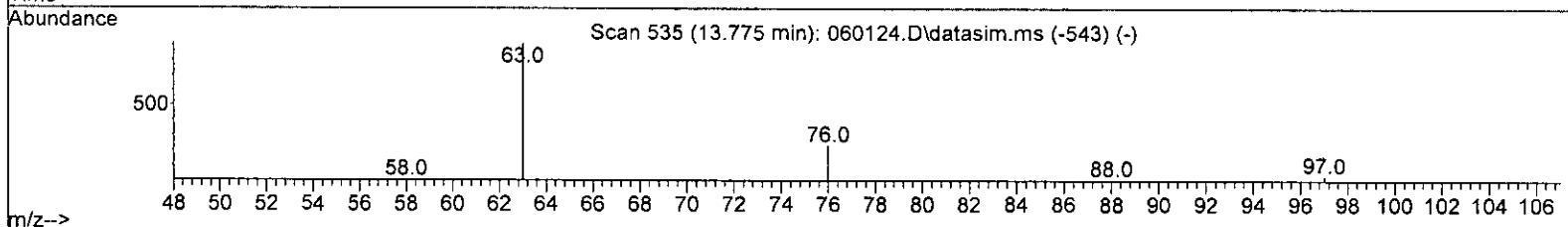
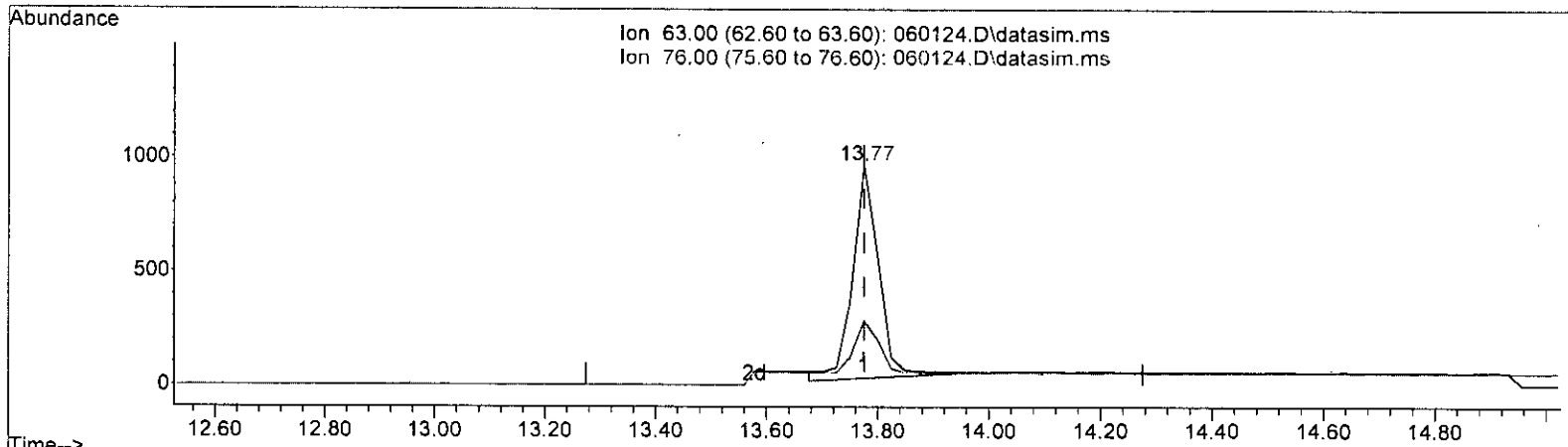
TIC: 060124.D\data.ms

| (37) Benzene (TMP) | | | |
|---------------------|--------------|--------|----------------|
| 12.576min (+ 0.000) | 0.463 ppbv m | | |
| response | 5705 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | <i>ole son</i> |
| 52.00 | 19.70 | 21.46 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

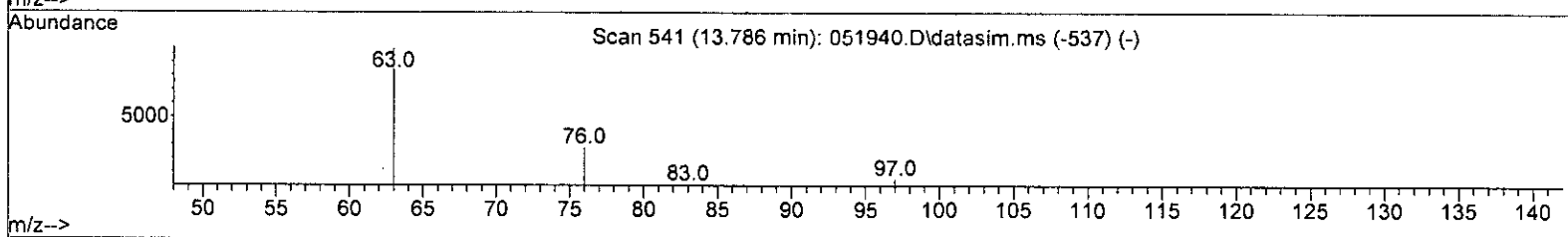
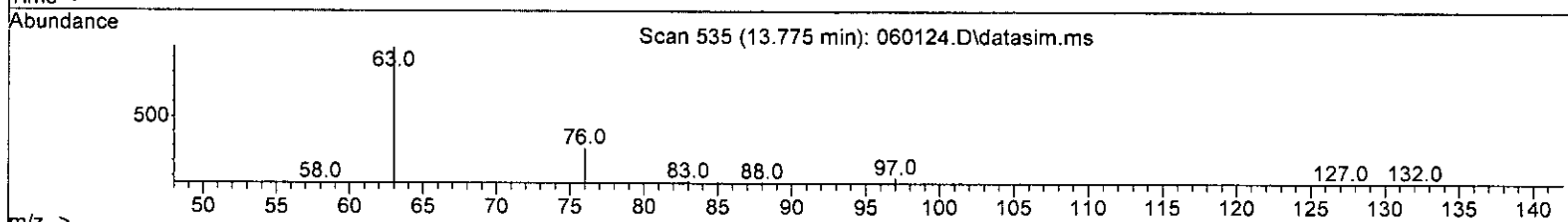
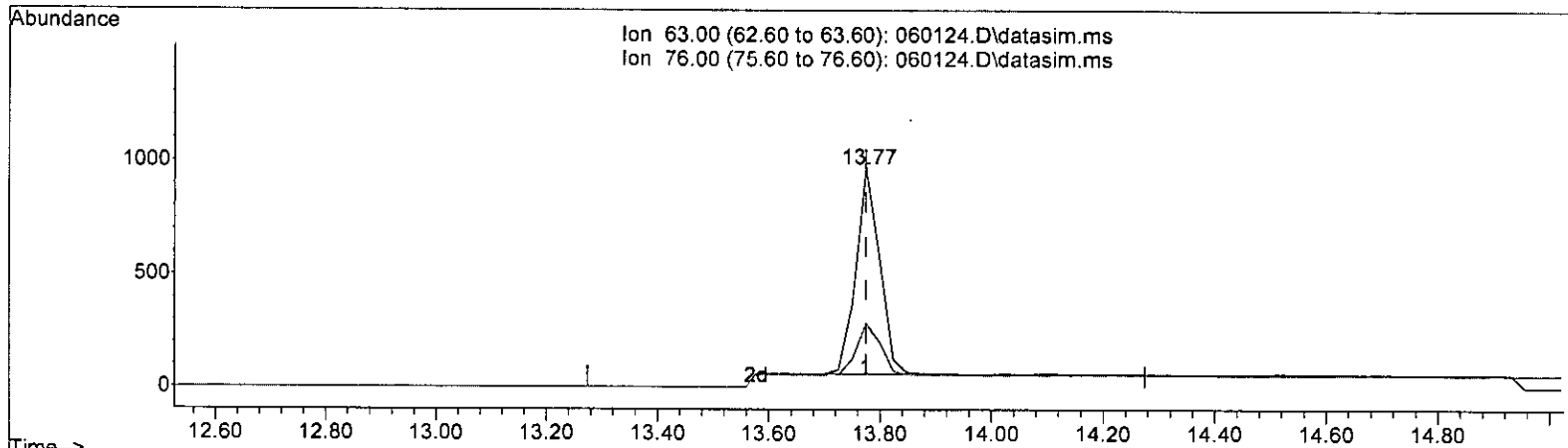
| | | |
|--------------------|---------------------------|--------|
| (40) | 1,2-Dichloropropane (TMP) | |
| 13.775min (-0.000) | 0.530 ppbv | |
| response | 3040 | |
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 25.25 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M



TIC: 060124.D\data.ms

(40) 1,2-Dichloropropane (TMP)

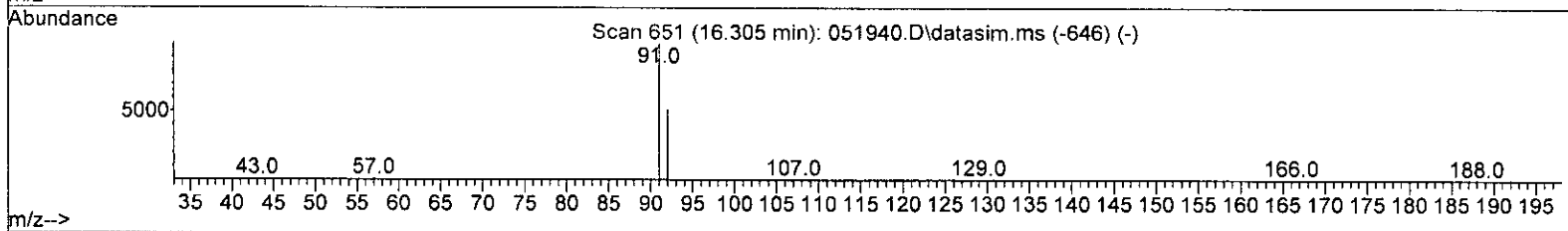
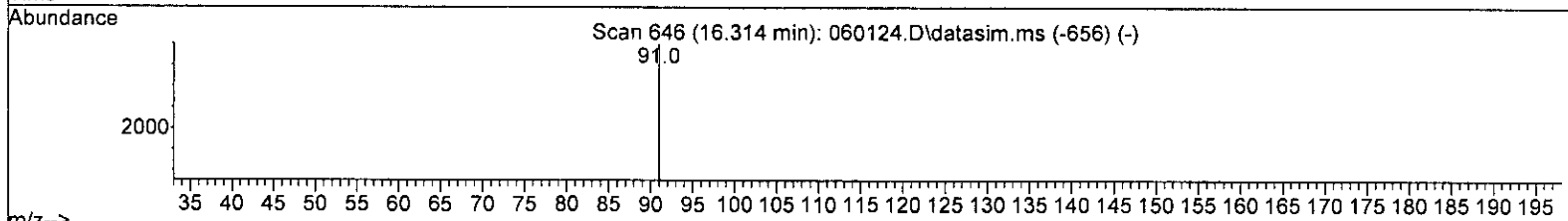
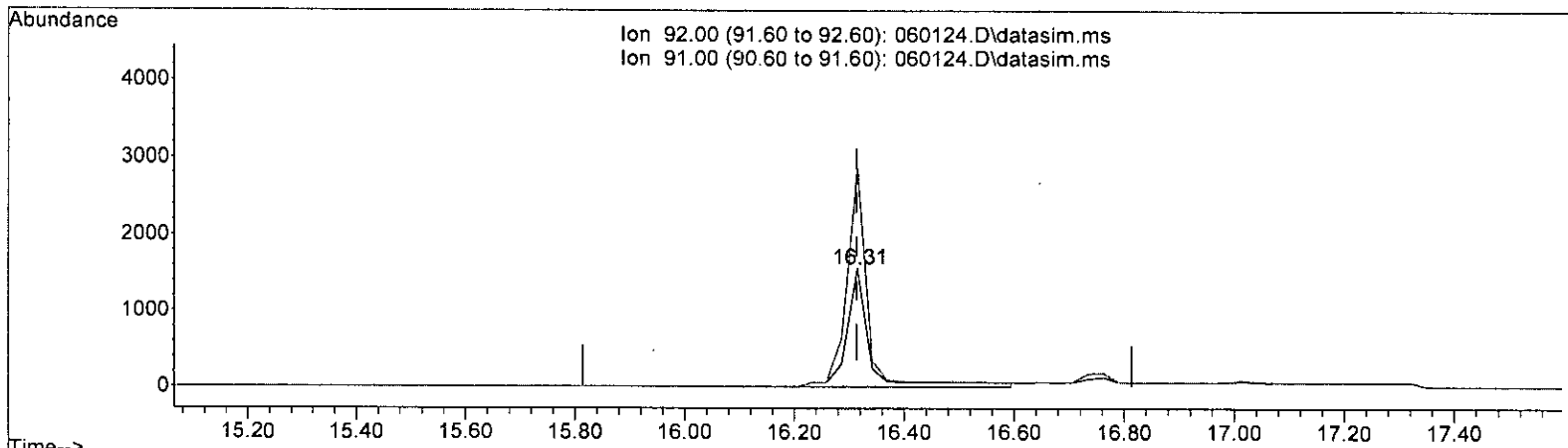
13.775min (-0.000) 0.465 ppbv m .

| response | 2668 | | |
|----------|--------|--------|---------------|
| Ion | Exp% | Act% | |
| 63.00 | 100.00 | 100.00 | <i>6/6 Jm</i> |
| 76.00 | 25.70 | 29.27 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M



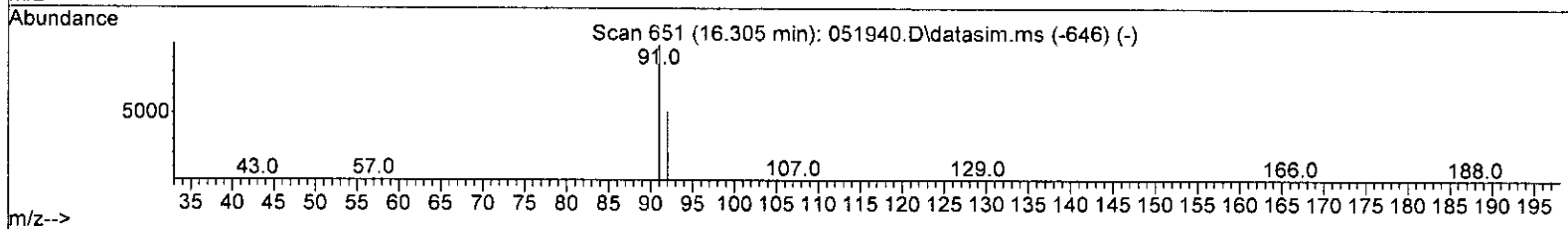
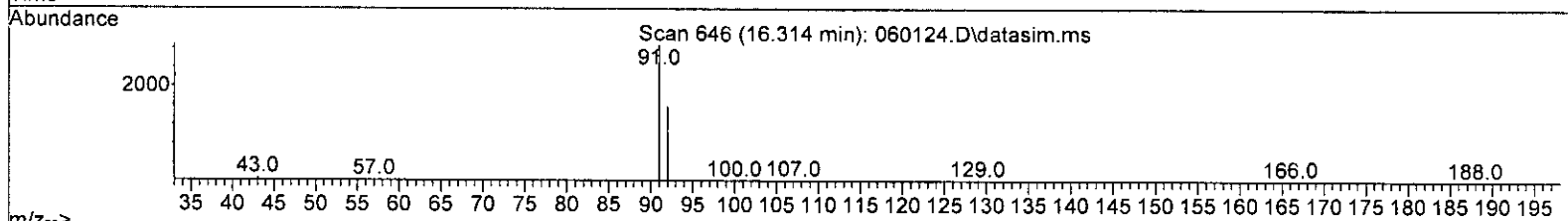
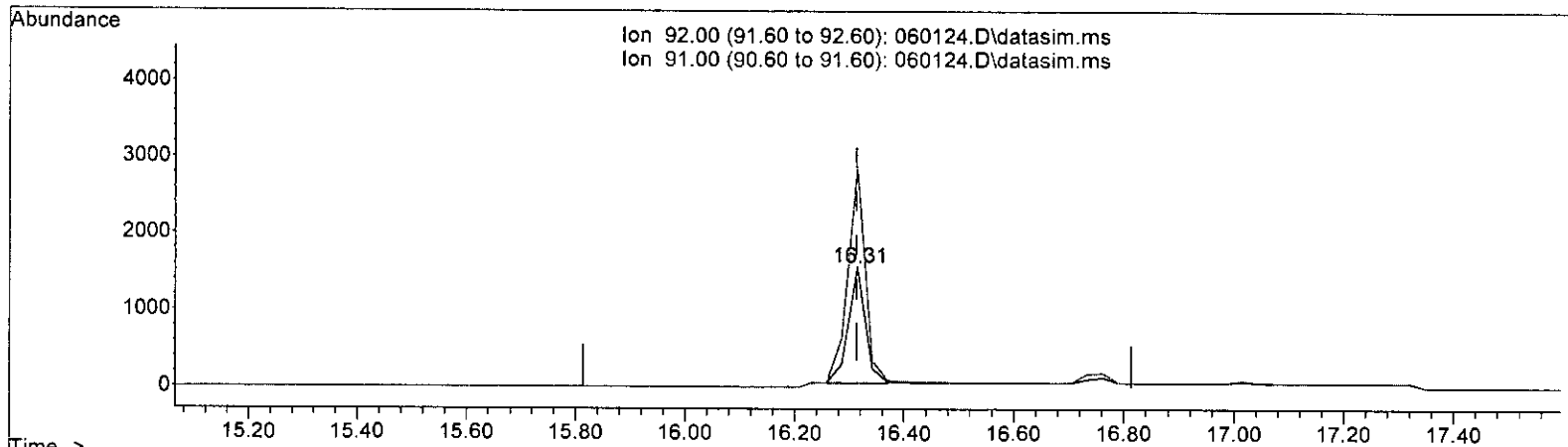
TIC: 060124.D\data.ms

| | | | |
|---------------------|---------------|--------|------------------------------|
| (50) | Toluene (TMP) | | |
| 16.314min (+ 0.000) | 0.589 ppbv | | |
| response | 4449 | | |
| Ion | Exp% | Act% | <i>Handwritten signature</i> |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 183.53 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

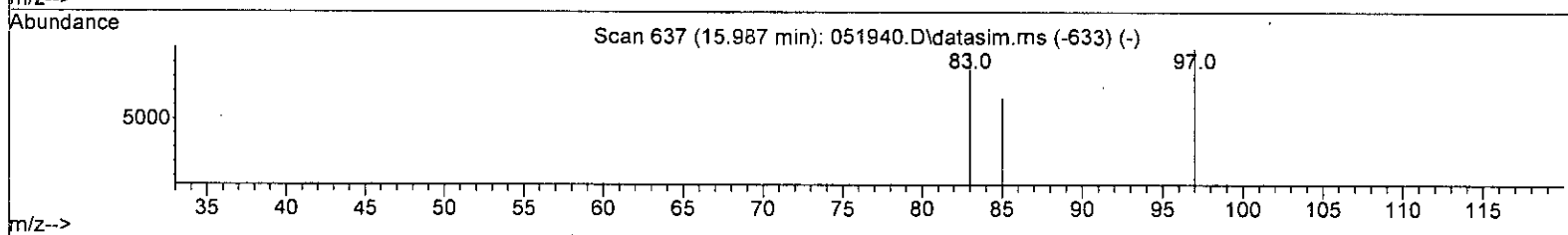
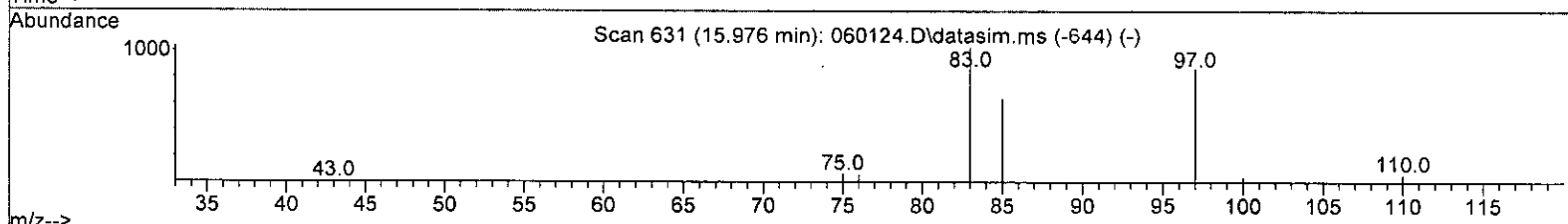
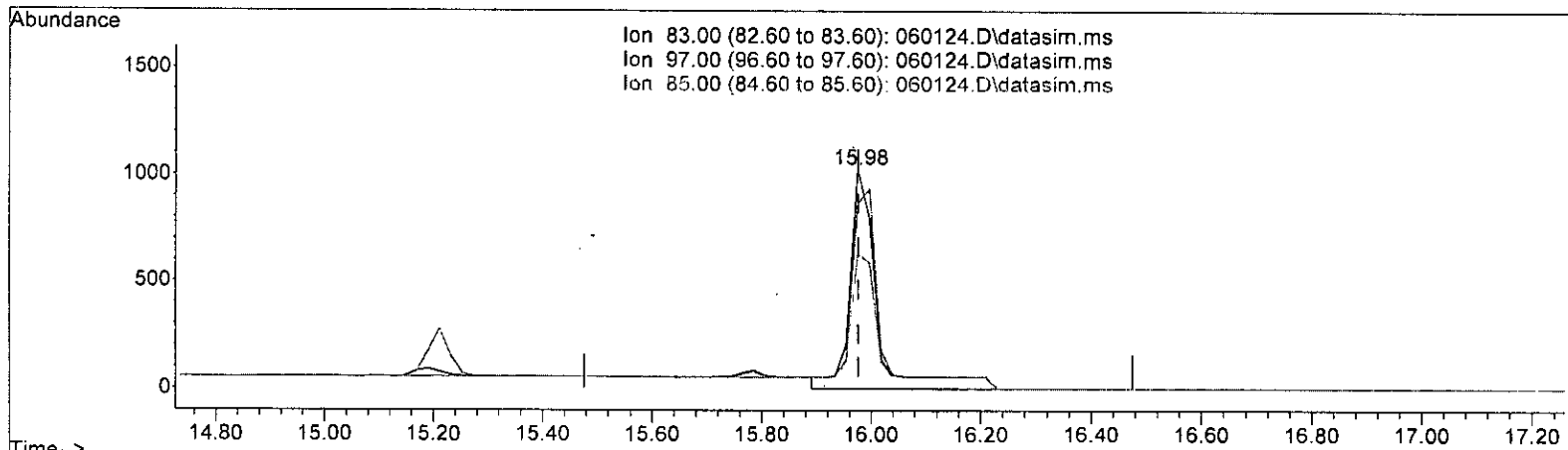
| (50) Toluene (TMP) | | | |
|---------------------|--------------|--------|--|
| 16.314min (+ 0.000) | 0.436 ppbv m | | |
| response | 3291 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 183.53 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: 06/06

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

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

15.976min (-0.000) 0.654 ppbv

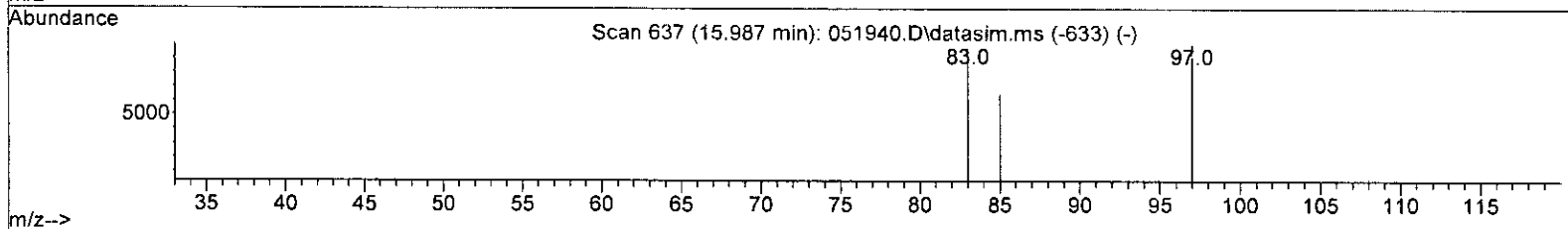
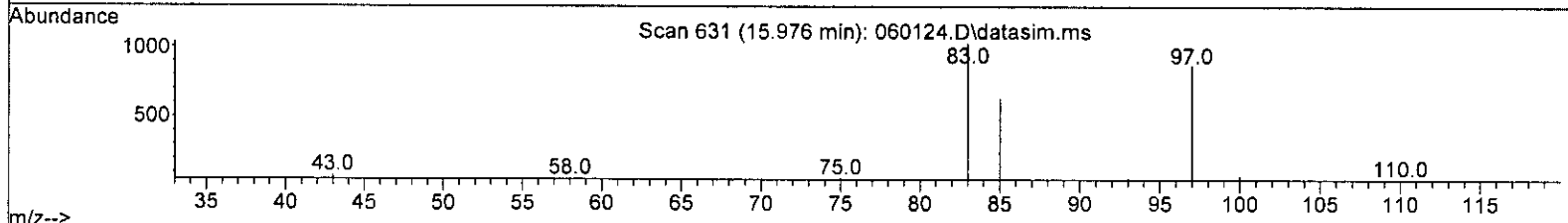
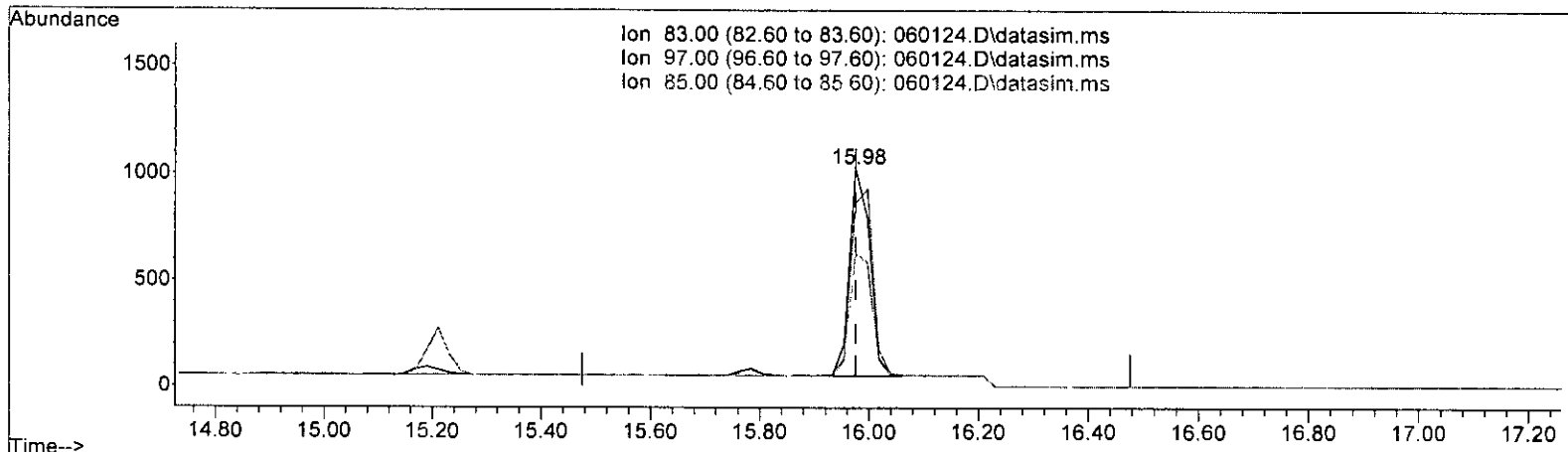
| response | 3577 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 84.23 |
| 85.00 | 60.50 61.44 |
| 0.00 | 0.00 0.00 |

Handwritten signature: bto

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

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

15.976min (-0.000) 0.459 ppbv m

response 2508

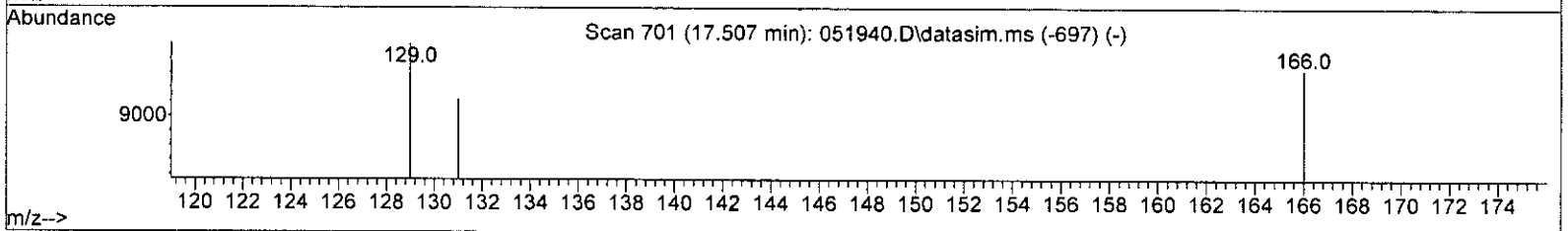
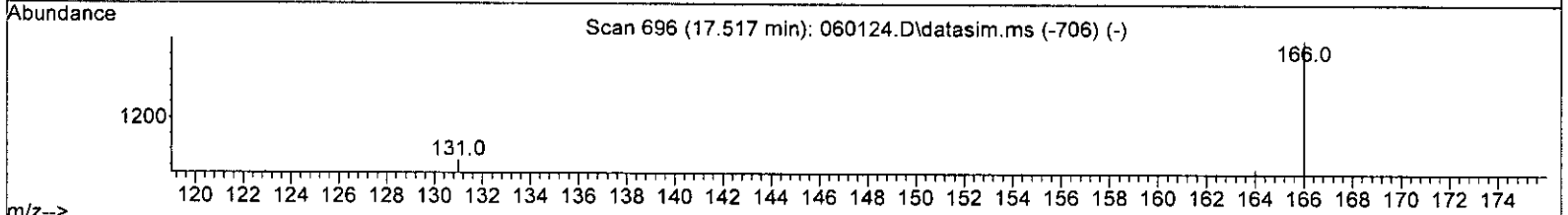
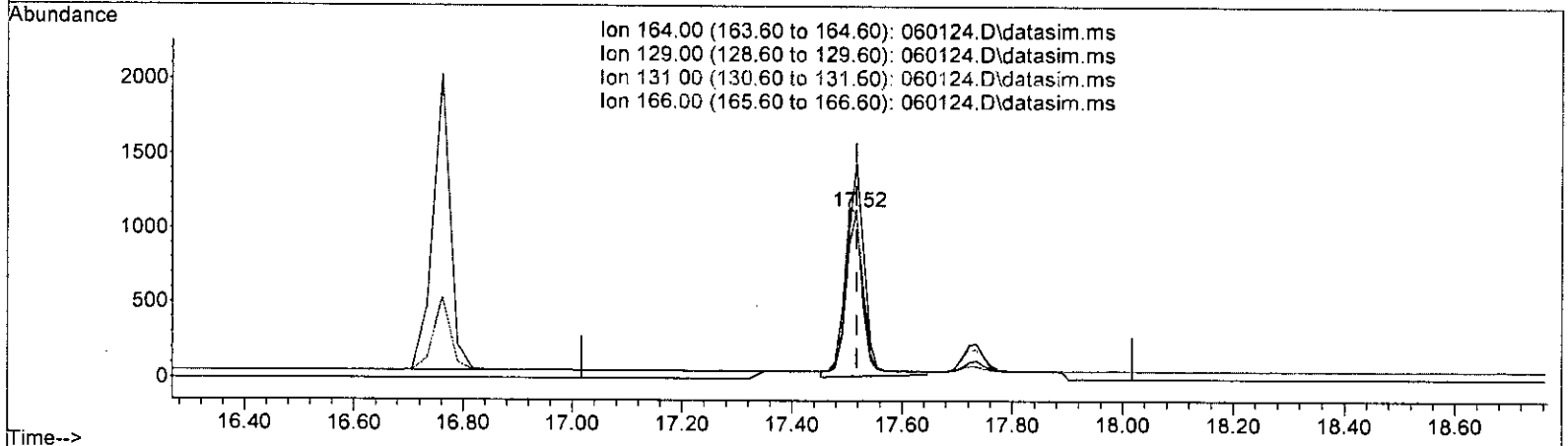
| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 84.23 |
| 85.00 | 60.50 | 61.44 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: W. J. Smith

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.547 ppbv

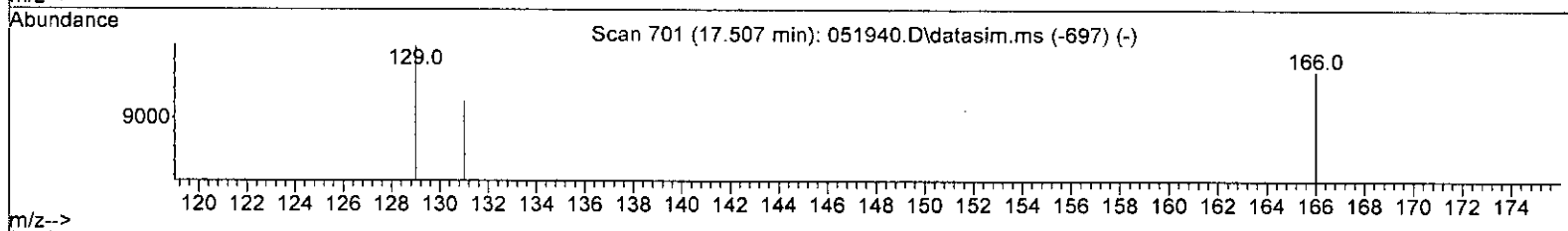
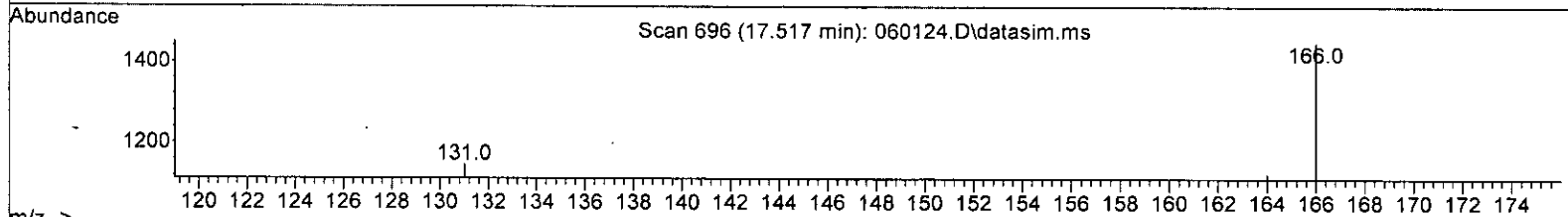
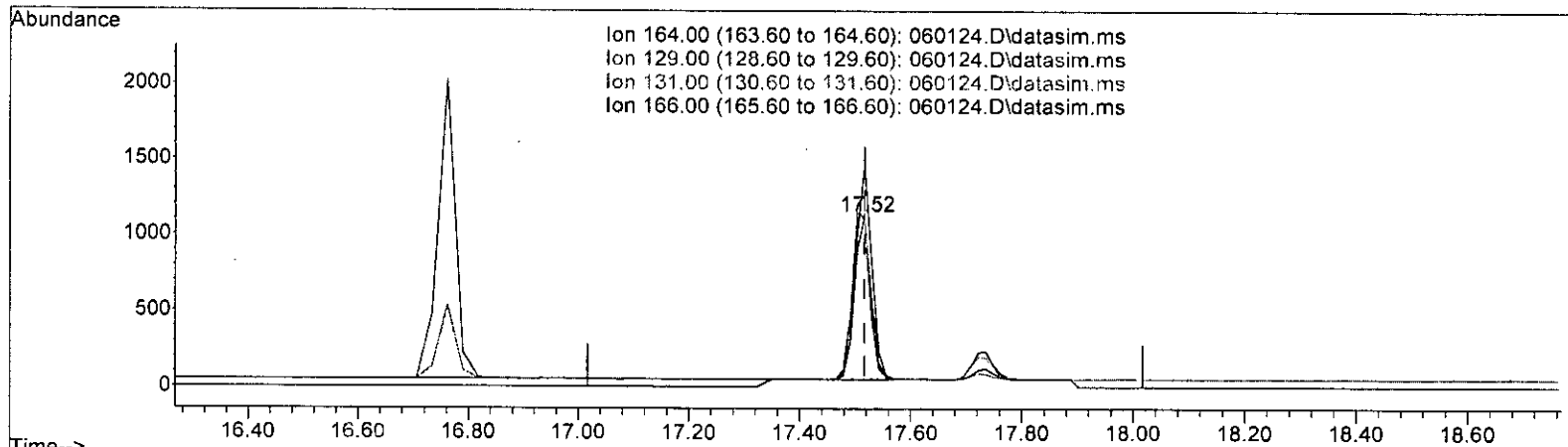
| response | Exp% | Act% |
|----------|--------|--------|
| 2533 | | |
| Ion | Exp% | Act% |
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 98.97 |
| 131.00 | 100.70 | 101.96 |
| 166.00 | 137.50 | 130.60 |

Handwritten signature: S/B Con

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.473 ppbv m

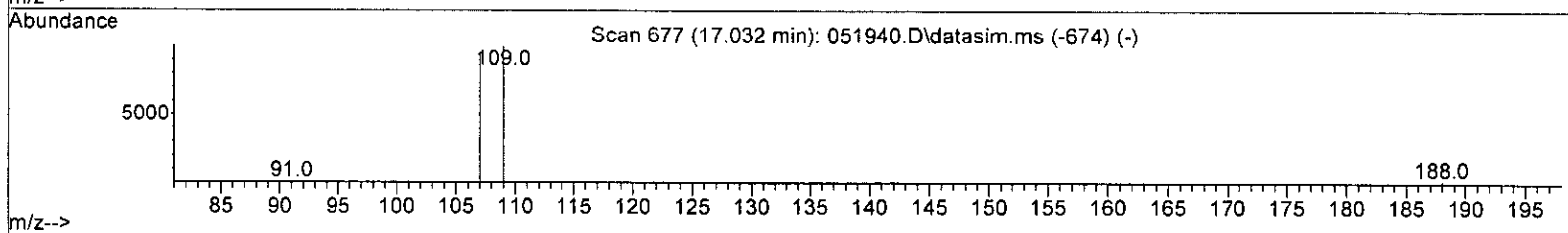
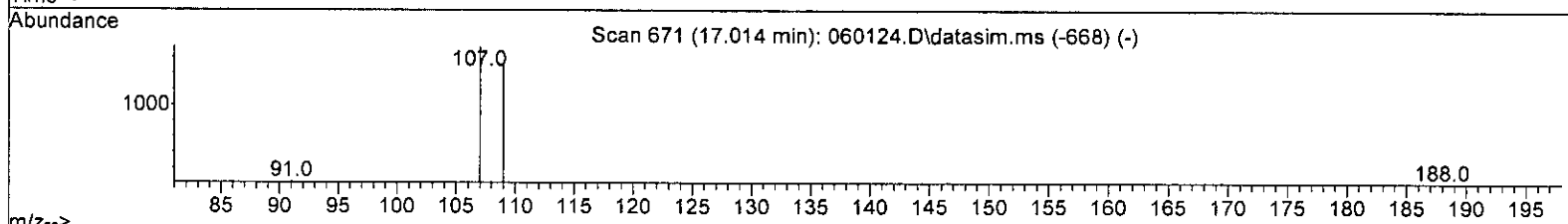
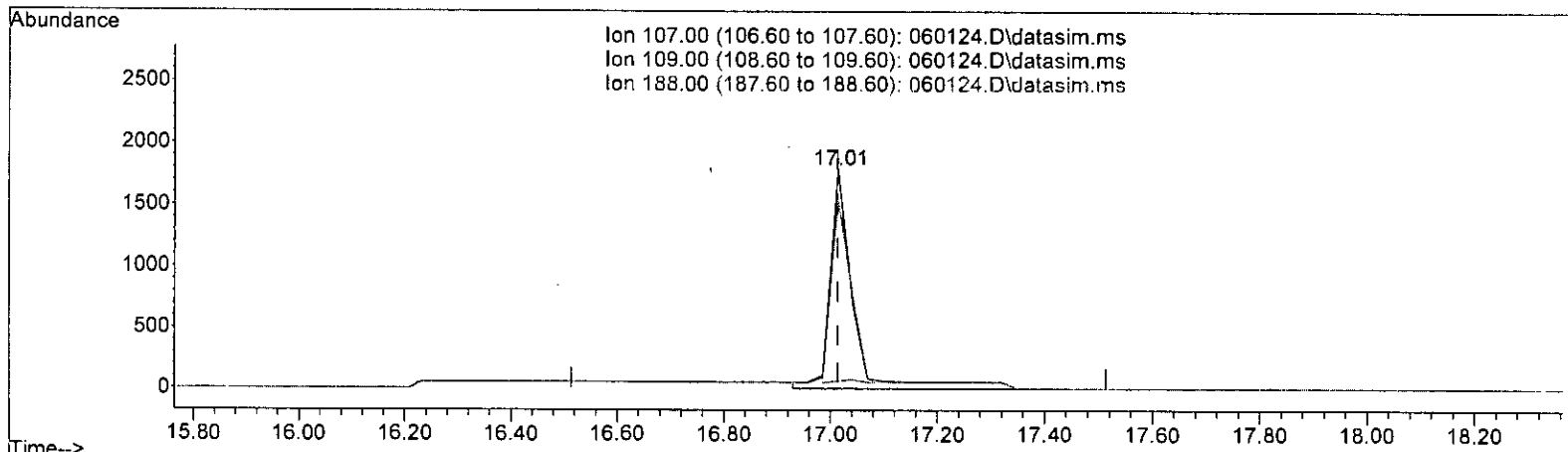
| response | 2192 |
|----------|---------------|
| Ion | Exp% Act% |
| 164.00 | 100.00 100.00 |
| 129.00 | 93.20 99.11 |
| 131.00 | 100.70 101.96 |
| 166.00 | 137.50 129.23 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

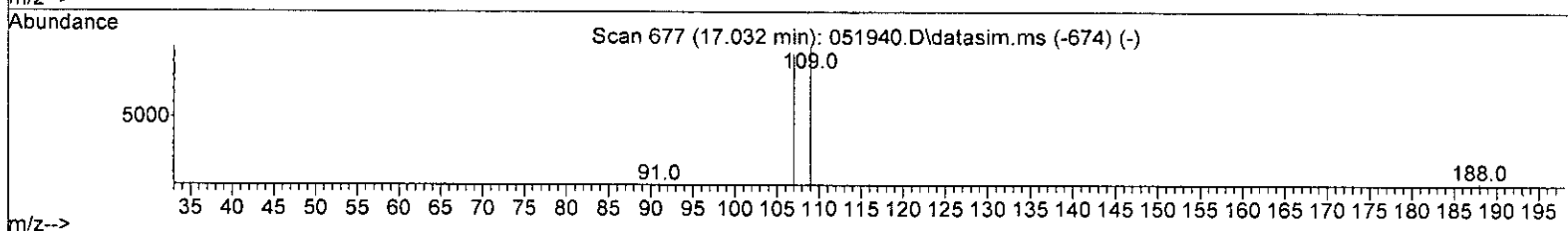
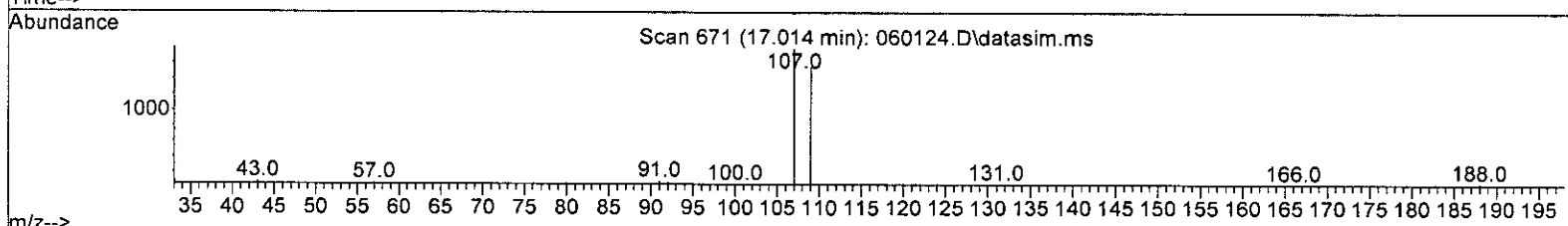
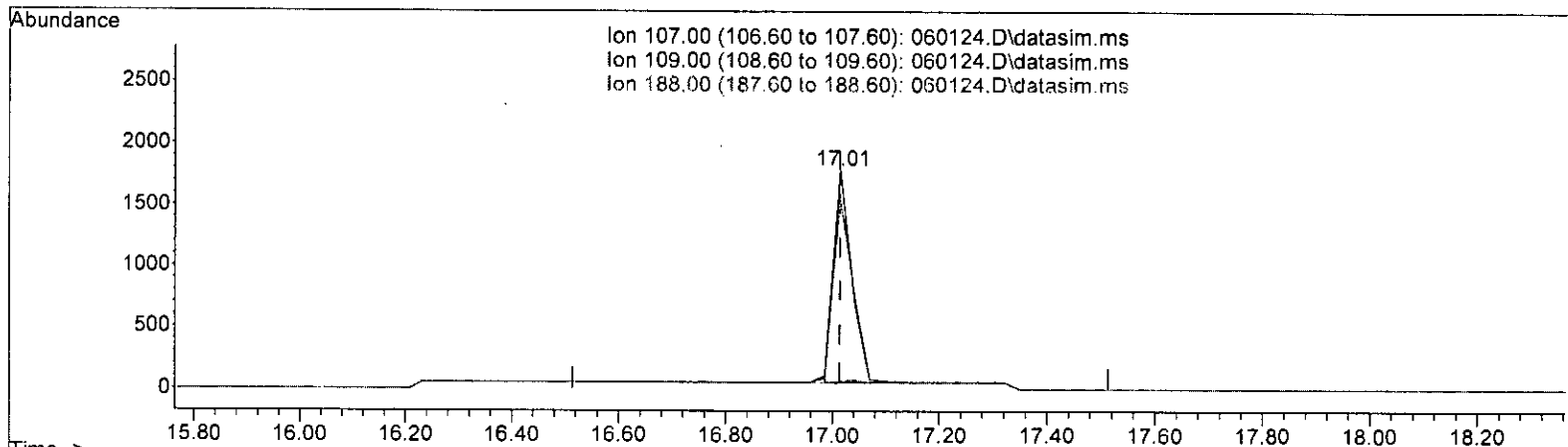
| (55) 1,2-Dibromoethane (EDB) (TMP) | | |
|------------------------------------|--------|----------|
| 17.014min (+ 0.000) | 0 | 583 ppbv |
| response | 5189 | |
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 86.97 |
| 188.00 | 2.70 | 3.52 |
| 0.00 | 0.00 | 0.00 |

6/6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060124.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.453 ppbv m

| response | 4027 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 86.97 |
| 188.00 | 2.70 | 3.52 |
| 0.00 | 0.00 | 0.00 |

bat

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 0.500 | 0.420 | 16.0 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 0.500 | 0.464 | 7.2 | 100 | 0.00 |
| 4 TMP Chloromethane | 0.500 | 0.493 | 1.4 | 100 | 0.00 |
| 5 TMP F-114 | 0.500 | 0.447 | 10.6 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.500 | 0.474 | 5.2 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 0.500 | 0.468 | 6.4 | 100 | 0.00 |
| 8 TMP Butane | 0.500 | 0.419 | 16.2 | 100 | 0.04 |
| 9 TMP Bromomethane | 0.500 | 0.421 | 15.8 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.500 | 0.464 | 7.2 | 101 | 0.00 |
| 11 TMP Vinyl bromide | 0.500 | 0.466 | 6.8 | 100 | 0.00 |
| 12 TMP Ethanol | 0.500 | 0.000 | 100.0# | 0 | -4.96# |
| 13 TMP Acrolein | 0.500 | 0.452 | 9.6 | 107 | 0.02 |
| 14 TMP Pentane | 0.500 | 0.470 | 6.0 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 0.500 | 0.420 | 16.0 | 100 | 0.00 |
| 16 TMP Acetone | 0.500 | 0.000 | 100.0# | 0 | -5.54# |
| 17 TMP 2-Propanol | 0.500 | 0.366 | 26.8 | 100 | 0.02 |
| 18 TMP 1,1-Dichloroethene | 0.500 | 0.480 | 4.0 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 0.500 | 0.489 | 2.2 | 100 | 0.00 |
| 20 TMP Methylene chloride | 0.500 | 0.463 | 7.4 | 100 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 0.500 | 0.458 | 8.4 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 0.500 | 0.488 | 2.4 | 100 | 0.00 |
| 23 TMP CFC-113 | 0.500 | 0.464 | 7.2 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 0.500 | 0.481 | 3.8 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 0.500 | 0.422 | 15.6 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 0.500 | 0.461 | 7.8 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 0.500 | 0.485 | 3.0 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 0.500 | 0.473 | 5.4 | 100 | 0.00 |
| 29 TMP Hexane | 0.500 | 0.436 | 12.8 | 100 | 0.00 |
| 30 TMP Chloroform | 0.500 | 0.478 | 4.4 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 0.500 | 0.527 | -5.4 | 100 | 0.02 |
| 32 TMP Tetrahydrofuran | 0.500 | 0.438 | 12.4 | 100 | 0.02 |
| 33 TMP 2-Butanone (MEK) | 0.500 | 0.000 | 100.0# | 0 | -8.88# |
| 34 TMP 1,2-Dichloroethane (EDC) | 0.500 | 0.467 | 6.6 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 0.500 | 0.484 | 3.2 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 0.500 | 0.490 | 2.0 | 100 | 0.00 |
| 37 TMP Benzene | 0.500 | 0.463 | 7.4 | 100 | 0.00 |
| 38 TMP Cyclohexane | 0.500 | 0.556 | -11.2 | 126 | -0.02 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.500 | 0.465 | 7.0 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.500 | 0.479 | 4.2 | 100 | 0.02 |
| 42 TMP 2,2,4-Trimethylpentane | 0.500 | 0.464 | 7.2 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.500 | 0.488 | 2.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|--------|-------|----------|
| 44 TMP Heptane | 0.500 | 0.454 | 9.2 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.500 | 0.484 | 3.2 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.500 | 0.477 | 4.6 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.500 | 0.486 | 2.8 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.500 | 0.000 | 100.0# | 0 | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.500 | 0.466 | 6.8 | 100 | 0.00 |
| 50 TMP Toluene | 0.500 | 0.436 | 12.8 | 99 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.500 | 0.459 | 8.2 | 101 | 0.00 |
| 52 TMP 2-Hexanone | 0.500 | 0.481 | 3.8 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.500 | 0.473 | 5.4 | 99 | 0.00 |
| 54 TMP Dibromochloromethane | 0.500 | 0.484 | 3.2 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.500 | 0.453 | 9.4 | 97 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 0.500 | 0.470 | 6.0 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 0.500 | 0.463 | 7.4 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 0.500 | 0.475 | 5.0 | 100 | 0.00 |
| 60 TMP Nonane | 0.500 | 0.494 | 1.2 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 0.500 | 0.492 | 1.6 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.500 | 0.463 | 7.4 | 100 | 0.00 |
| 63 TMP Propylbenzene | 0.500 | 0.461 | 7.8 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 0.500 | 0.445 | 11.0 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 1.000 | 0.898 | 10.2 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.500 | 0.481 | 3.8 | 100 | 0.00 |
| 67 TMP Styrene | 0.500 | 0.424 | 15.2 | 100 | 0.00 |
| 68 TMP Bromoform | 0.500 | 0.541 | -8.2 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.650 | 3.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 0.500 | 0.458 | 8.4 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 0.500 | 0.477 | 4.6 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 0.500 | 0.433 | 13.4 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 0.500 | 0.457 | 8.6 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.500 | 0.452 | 9.6 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 0.500 | 0.452 | 9.6 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.500 | 0.401 | 19.8 | 100 | 0.00 |
| 77 TMP Naphthalene | 0.500 | 0.370 | 26.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 0.500 | 0.471 | 5.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 1.293 | 1.087 | 15.9 | 100 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 4.308 | 3.994 | 7.3 | 100 | 0.00 |
| 4 TMP | Chloromethane | 1.646 | 1.624 | 1.3 | 100 | 0.00 |
| 5 TMP | F-114 | 4.259 | 3.809 | 10.6 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 1.849 | 1.753 | 5.2 | 100 | 0.00 |
| 7 TMP | 1,3-Butadiene | 1.211 | 1.133 | 6.4 | 100 | 0.00 |
| 8 TMP | Butane | 2.441 | 2.046 | 16.2 | 100 | 0.04 |
| 9 TMP | Bromomethane | 1.588 | 1.338 | 15.7 | 100 | 0.04 |
| 10 TMP | Chloroethane | 0.685 | 0.637 | 7.0 | 101 | 0.00 |
| 11 TMP | Vinyl bromide | 1.655 | 1.541 | 6.9 | 100 | 0.00 |
| 12 TMP | Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP | Acrolein | 0.664 | 0.600 | 9.6 | 107 | 0.02 |
| 14 TMP | Pentane | 2.765 | 2.598 | 6.0 | 100 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 4.466 | 3.749 | 16.1 | 100 | 0.00 |
| 16 TMP | Acetone | 0.689 | 0.000# | 100.0# | 0# | -5.54# |
| 17 TMP | 2-Propanol | 3.342 | 2.449 | 26.7 | 100 | 0.02 |
| 18 TMP | 1,1-Dichloroethene | 1.587 | 1.522 | 4.1 | 100 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 1.568 | 1.533 | 2.2 | 100 | 0.00 |
| 20 TMP | Methylene chloride | 1.485 | 1.373 | 7.5 | 100 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.946 | 2.696 | 8.5 | 100 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.167 | 2.115 | 2.4 | 100 | 0.00 |
| 23 TMP | CFC-113 | 3.396 | 3.149 | 7.3 | 100 | 0.00 |
| 24 TMP | Carbon disulfide | 5.043 | 4.853 | 3.8 | 100 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 3.565 | 3.010 | 15.6 | 100 | 0.00 |
| 26 TMP | Vinyl acetate | 4.333 | 3.995 | 7.8 | 100 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 3.411 | 3.309 | 3.0 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 1.704 | 1.611 | 5.5 | 100 | 0.00 |
| 29 TMP | Hexane | 2.070 | 1.806 | 12.8 | 100 | 0.00 |
| 30 TMP | Chloroform | 4.005 | 3.828 | 4.4 | 100 | 0.00 |
| 31 TMP | Ethyl acetate | 3.933 | 4.144 | -5.4 | 100 | 0.02 |
| 32 TMP | Tetrahydrofuran | 1.847 | 1.616 | 12.5 | 100 | 0.02 |
| 33 TMP | 2-Butanone (MEK) | 0.606 | 0.000 | 100.0# | 0# | -8.88# |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.566 | 2.395 | 6.7 | 99 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 3.477 | 3.369 | 3.1 | 100 | 0.00 |
| 36 TMP | Carbon tetrachloride | 3.536 | 3.462 | 2.1 | 100 | 0.00 |
| 37 TMP | Benzene | 5.466 | 5.059 | 7.4 | 100 | 0.00 |
| 38 TMP | Cyclohexane | 1.355 | 1.507 | -11.2 | 126 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 0.601 | 0.559 | 7.0 | 100 | 0.00 |
| 41 TMP | 1,4-Dioxane | 0.265 | 0.254 | 4.2 | 100 | 0.02 |
| 42 TMP | 2,2,4-Trimethylpentane | 1.808 | 1.679 | 7.1 | 100 | 0.00 |
| 43 TMP | Methyl methacrylate | 0.552 | 0.539 | 2.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|--------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.567 | 9.0 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 0.943 | 3.2 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.586 | 4.7 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.670 | 2.8 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.000 | 100.0# | 0# | -15.21# |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.648 | 6.8 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.690 | 12.9 | 99 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.526 | 8.2 | 101 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.916 | 3.8 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.460 | 5.3 | 99 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.913 | 3.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.844 | 9.5 | 97 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.007 | 5.9 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.609 | 7.4 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.456 | 4.9 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.741 | 1.2 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.473 | 1.6 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.372 | 7.2 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 2.785 | 7.8 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.308 | 10.9 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.557 | 10.2 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.506 | 4.0 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.650 | 15.3 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 1.017 | -8.2 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.684 | 3.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.240 | 8.4 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.263 | 4.7 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.014 | 13.4 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 0.963 | 8.5 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.893 | 9.6 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.920 | 9.5 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.640 | 19.8 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.909 | 26.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.039 | 5.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 22556 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 95381 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 82391 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56355 | 9.650 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 96.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 1226 | 0.420 | ppbv | 97 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 4504 | 0.464 | ppbv | 98 |
| 4] Chloromethane | 3.69 | 50 | 1832 | 0.493 | ppbv | 98 |
| 5) F-114 | 3.88 | 85 | 4296 | 0.447 | ppbv | 92 |
| 6] Vinyl chloride | 4.01 | 62 | 1977 | 0.474 | ppbv | 98 |
| 7] 1,3-Butadiene | 4.21 | 54 | 1278 | 0.468 | ppbv # | 87 |
| 8) Butane | 4.32 | 43 | 2308 | 0.419 | ppbv # | 80 |
| 9) Bromomethane | 4.60 | 94 | 1509 | 0.421 | ppbv | 89 |
| 10] Chloroethane | 4.80 | 64 | 718m | 0.464 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 1738m | 0.466 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | | |
| 13] Acrolein | 5.39 | 56 | 677m | 0.452 | ppbv | |
| 14) Pentane | 6.25 | 43 | 2930 | 0.470 | ppbv | 94 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 4228 | 0.420 | ppbv | 90 |
| 16) Acetone | 0.00 | | 0 | N.D. | d | |
| 17) 2-Propanol | 5.80 | 45 | 2762 | 0.366 | ppbv | 89 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 1717 | 0.480 | ppbv | 97 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 1729 | 0.489 | ppbv # | 75 |
| 20) Methylene chloride | 6.78 | 84 | 1549 | 0.463 | ppbv | 90 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 3041 | 0.458 | ppbv # | 76 |
| 22) 3-Chloropropene | 6.94 | 41 | 2385 | 0.488 | ppbv | 96 |
| 23) CFC-113 | 7.15 | 101 | 3552 | 0.464 | ppbv | 88 |
| 24) Carbon disulfide | 7.25 | 76 | 5473 | 0.481 | ppbv | 94 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 3395 | 0.422 | ppbv | 97 |
| 26) Vinyl acetate | 8.51 | 43 | 4506 | 0.461 | ppbv | 87 |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 3732 | 0.485 | ppbv | 97 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 1817 | 0.473 | ppbv | 90 |
| 29) Hexane | 9.99 | 57 | 2037 | 0.436 | ppbv # | 64 |
| 30] Chloroform | 10.07 | 83 | 4317 | 0.478 | ppbv | 99 |
| 31) Ethyl acetate | 9.92 | 43 | 4674m | 0.527 | ppbv | |
| 32) Tetrahydrofuran | 10.74 | 42 | 1823 | 0.438 | ppbv | 81 |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 2701m | 0.467 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 3799 | 0.484 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 3905 | 0.490 | ppbv | 98 |
| 37] Benzene | 12.58 | 78 | 5705m | 0.463 | ppbv | |
| 38) Cyclohexane | 13.04 | 84 | 1700 | 0.556 | ppbv | 83 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 2668m | 0.465 | ppbv | |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060124.D
 Acq On : 2 Jun 2023 3:43 am
 Operator : bat
 Sample : 0.5 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCM57

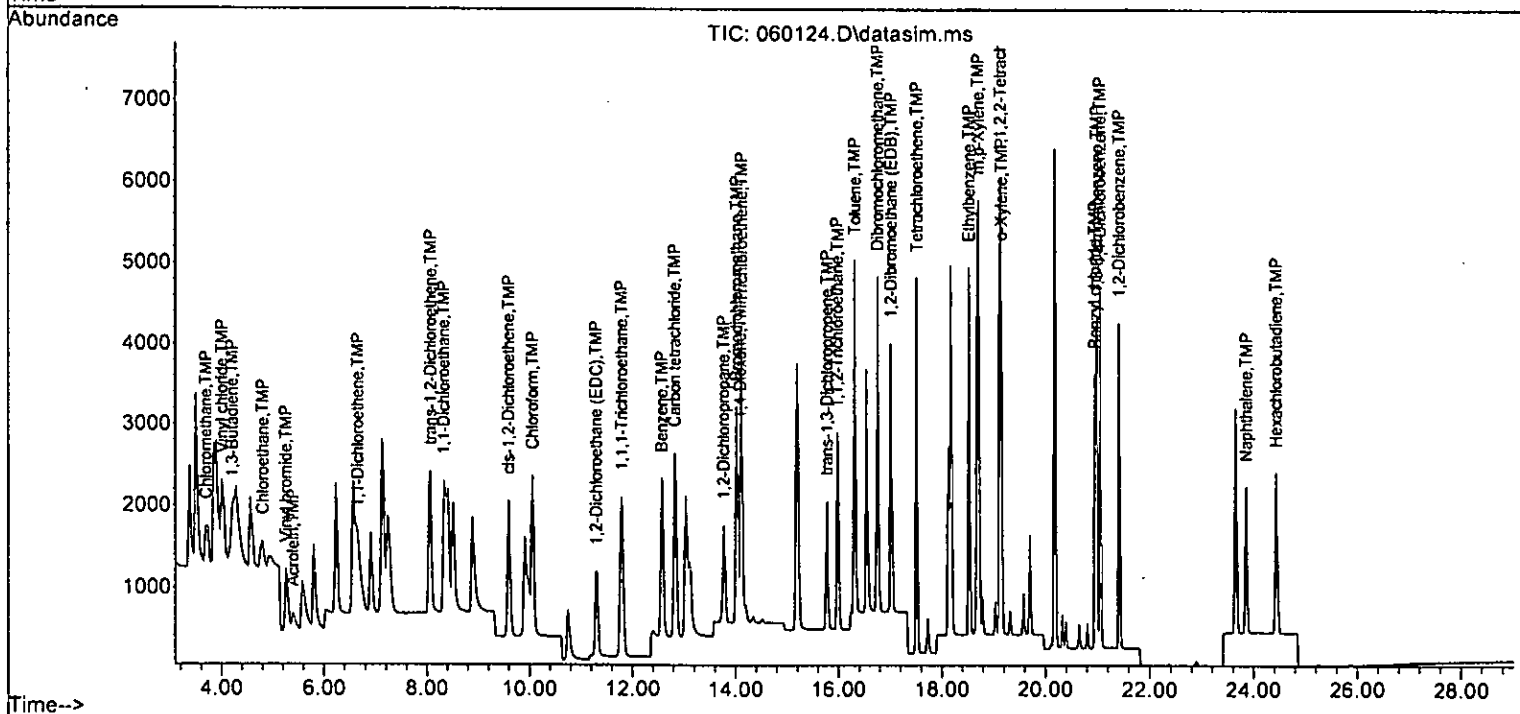
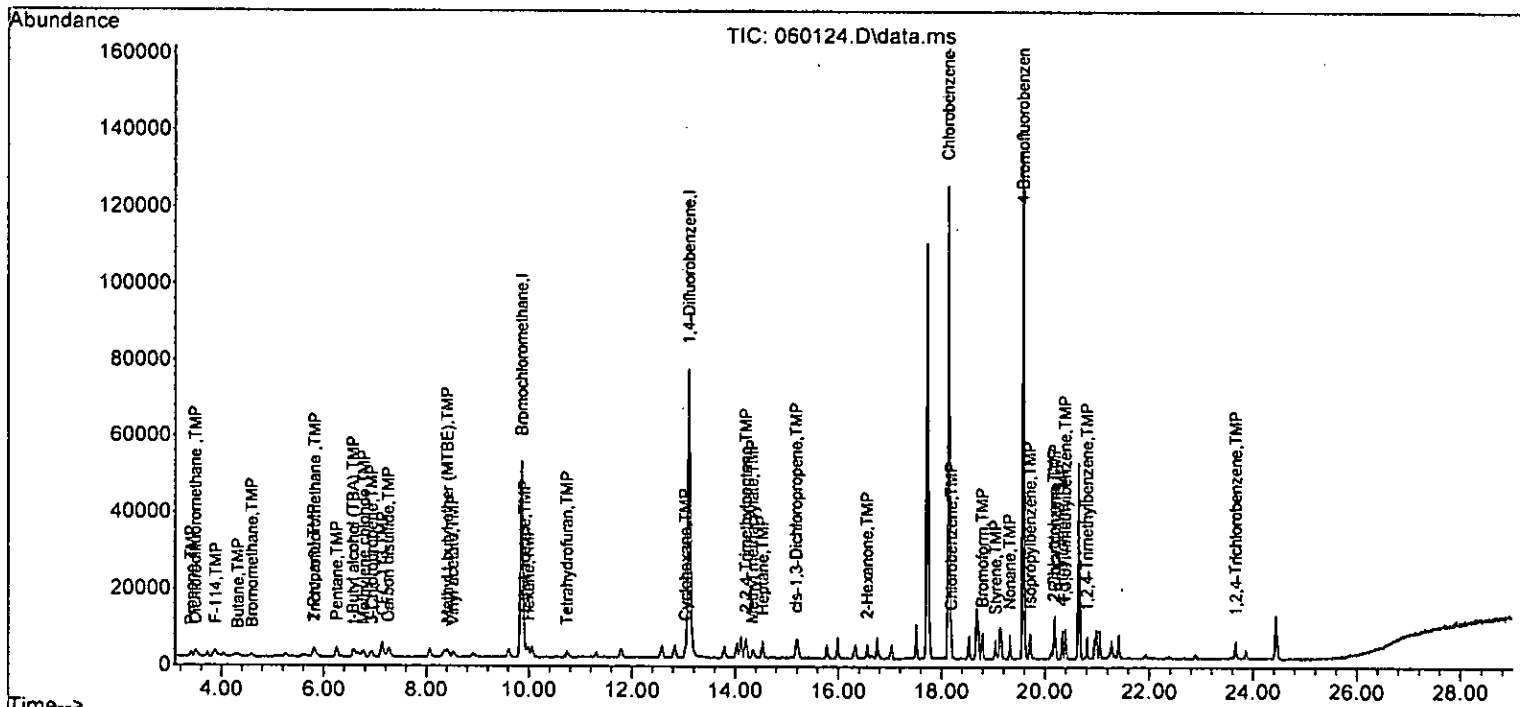
Quant Time: Jun 06 13:06:47 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.09 | 88 | 1211 | 0.479 | ppbv | 91 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 8008 | 0.464 | ppbv # | 95 |
| 43) Methyl methacrylate | 14.33 | 41 | 2571 | 0.488 | ppbv # | 84 |
| 44) Heptane | 14.53 | 43 | 2702 | 0.454 | ppbv # | 92 |
| 45] Bromodichloromethane | 14.02 | 83 | 4497 | 0.484 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 2795 | 0.477 | ppbv | 100 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 3196 | 0.486 | ppbv | 94 |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 3088 | 0.466 | ppbv | 93 |
| 50] Toluene | 16.31 | 92 | 3291m | 0.436 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 2508m | 0.459 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 4370 | 0.481 | ppbv | 87 |
| 53] Tetrachloroethene | 17.52 | 164 | 2192m | 0.473 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 4354 | 0.484 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 4027m | 0.453 | ppbv | |
| 57) Chlorobenzene | 18.19 | 112 | 4147 | 0.470 | ppbv | 99 |
| 58] Ethylbenzene | 18.53 | 91 | 6630 | 0.463 | ppbv | 99 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 5999 | 0.475 | ppbv | 92 |
| 60) Nonane | 19.32 | 43 | 3052 | 0.494 | ppbv # | 89 |
| 61) Isopropylbenzene | 19.72 | 105 | 6070 | 0.492 | ppbv | 98 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 1532 | 0.463 | ppbv | 84 |
| 63) Propylbenzene | 20.19 | 91 | 11472 | 0.461 | ppbv | 98 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 5387 | 0.445 | ppbv | 95 |
| 65] m,p-Xylene | 18.70 | 106 | 4591 | 0.898 | ppbv | 98 |
| 66] o-Xylene | 19.15 | 106 | 2086 | 0.481 | ppbv | 97 |
| 67) Styrene | 19.05 | 104 | 2678 | 0.424 | ppbv | 91 |
| 68) Bromoform | 18.80 | 173 | 4188 | 0.541 | ppbv | 94 |
| 70] Benzyl chloride | 20.95 | 91 | 5110 | 0.458 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 5204 | 0.477 | ppbv | 95 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 4179 | 0.433 | ppbv | 98 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 3967 | 0.457 | ppbv | 90 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 3679 | 0.452 | ppbv | 91 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 3789 | 0.452 | ppbv | 96 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 2638 | 0.401 | ppbv | 97 |
| 77] Naphthalene | 23.86 | 128 | 3746 | 0.370 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 4279 | 0.471 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
Data File : 060124.D
Acq On : 2 Jun 2023 3:43 am
Operator : bat
Sample : 0.5 ppbv T015 69-62-b
Misc : T5
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

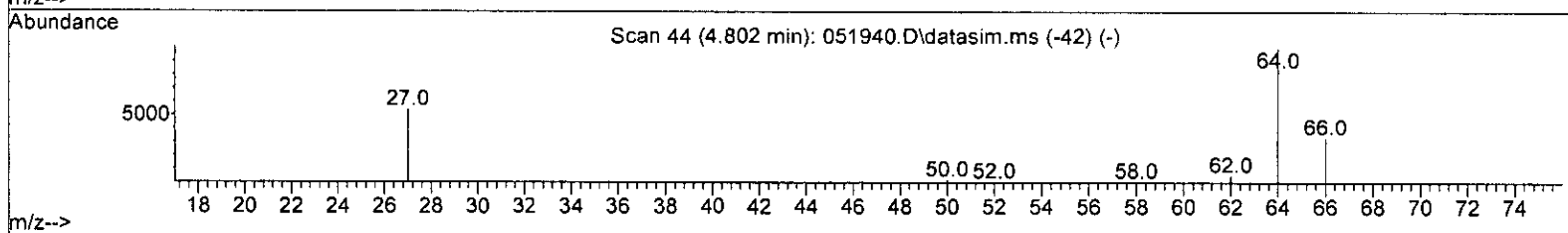
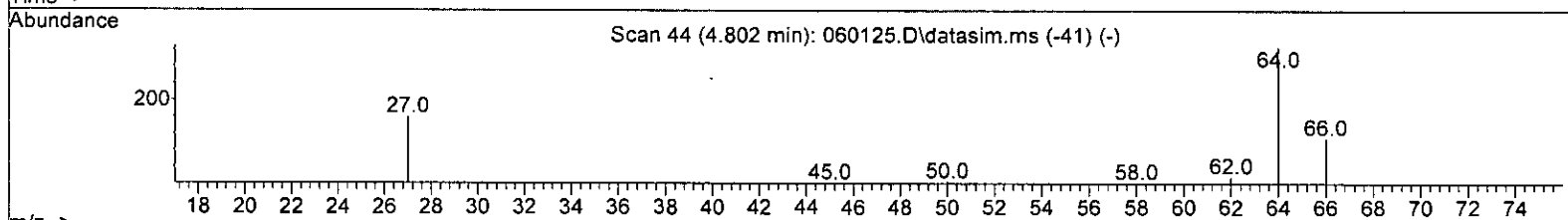
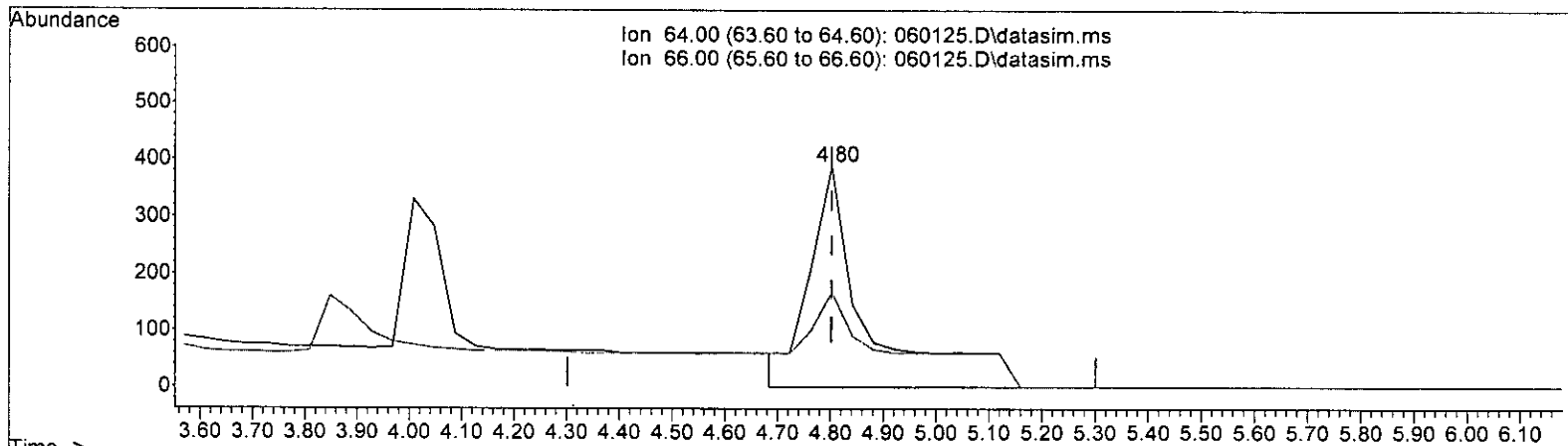
Quant Time: Jun 06 13:06:47 2023
Quant Method : I:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

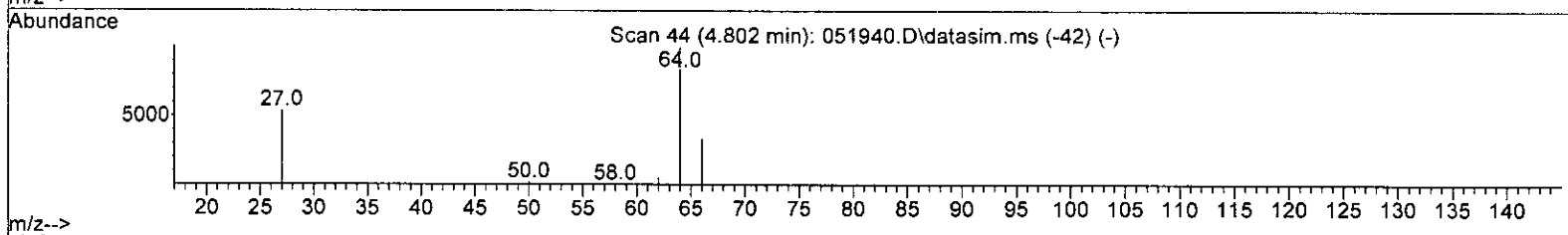
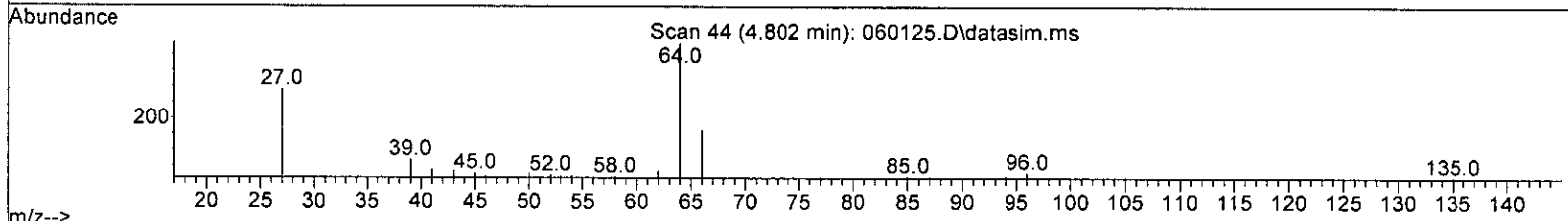
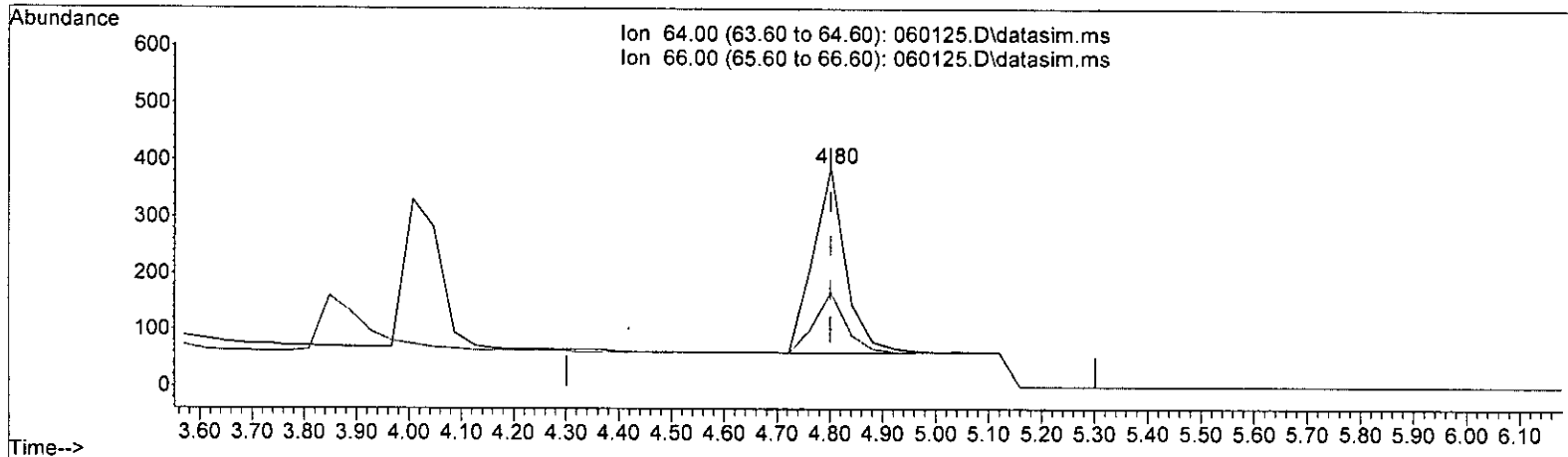
| (10) Chloroethane (TMP) | | | |
|-------------------------|--------|--------|--|
| 4.802min (+ 0.000) | 1.817 | ppbv | |
| response | 2857 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 43.30 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : TS
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

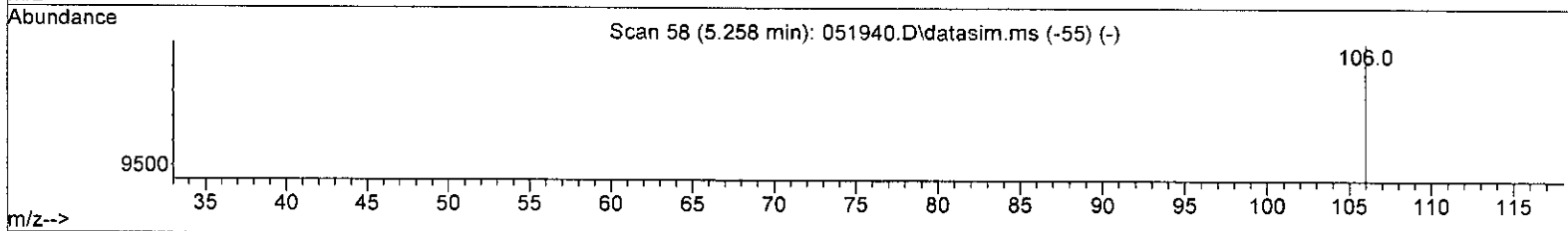
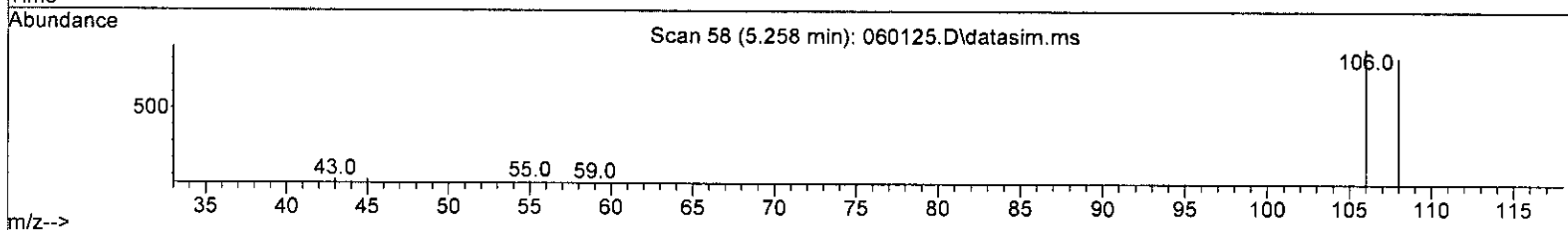
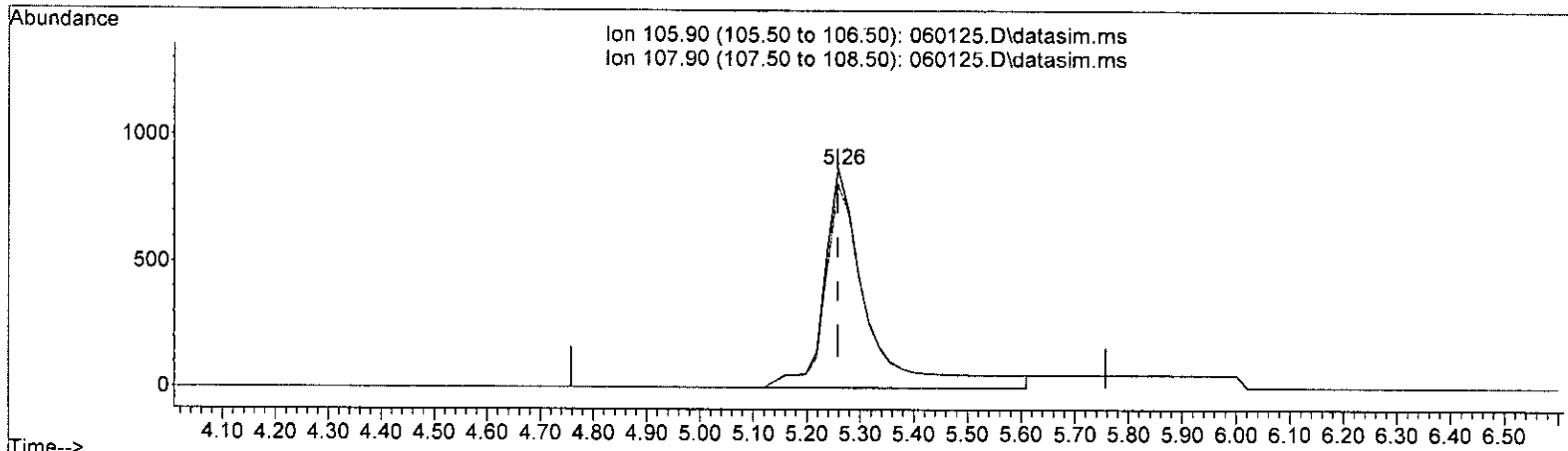
| (10) Chloroethane (TMP) | | | |
|-------------------------|-----------|--------------|--------|
| Retention Time | Abundance | Expected | Actual |
| 4.802min (+ 0.000) | 1414 | 0.929 ppbv m | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 43.30 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



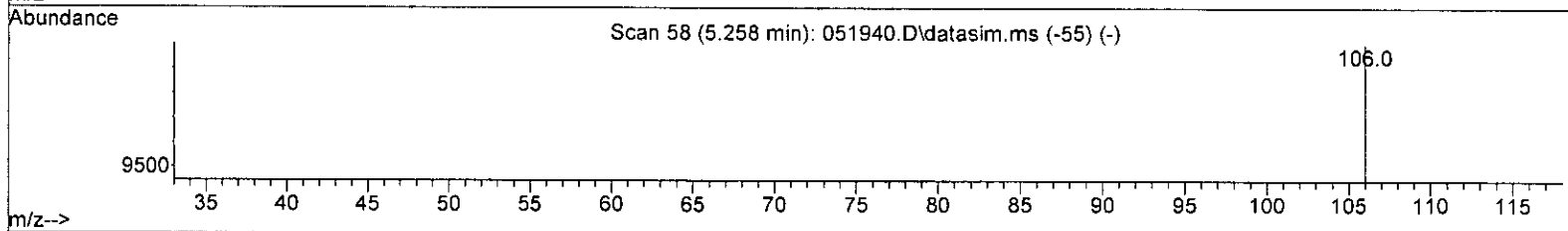
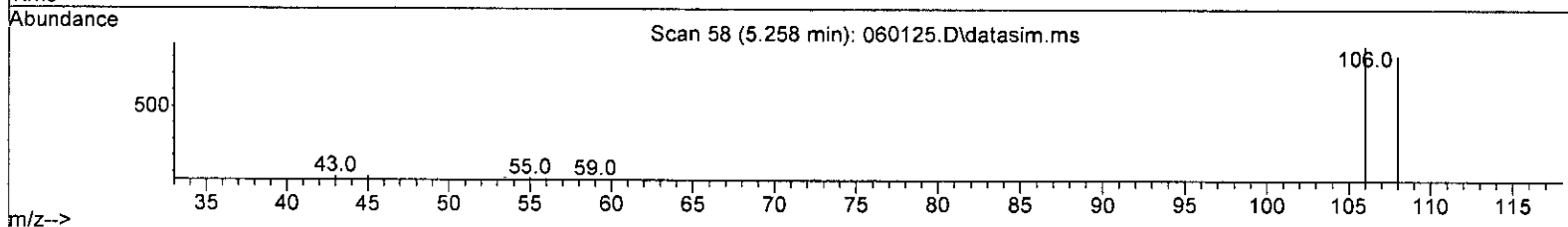
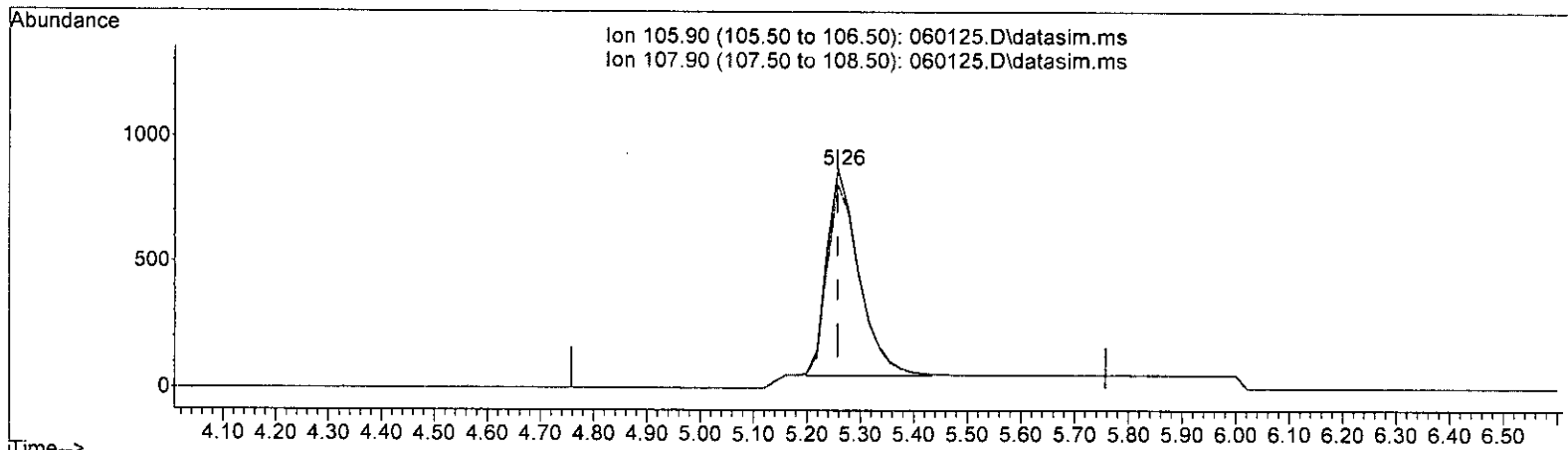
TIC: 060125.D\data.ms

| | | | |
|------------------------------|--------|--------|---------------|
| (11) Vinyl bromide (TMP) | | | |
| 5.258min (-0.000) 1.434 ppbv | | | |
| response | 5270 | | |
| Ion | Exp% | Act% | <i>slc am</i> |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 93.70 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 0.932 ppbv m

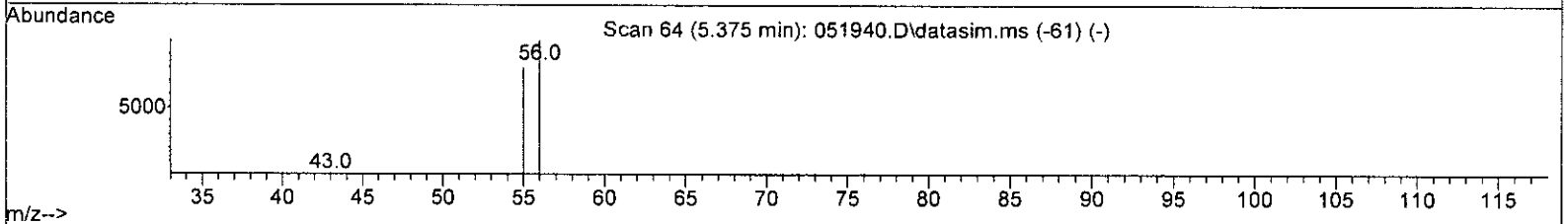
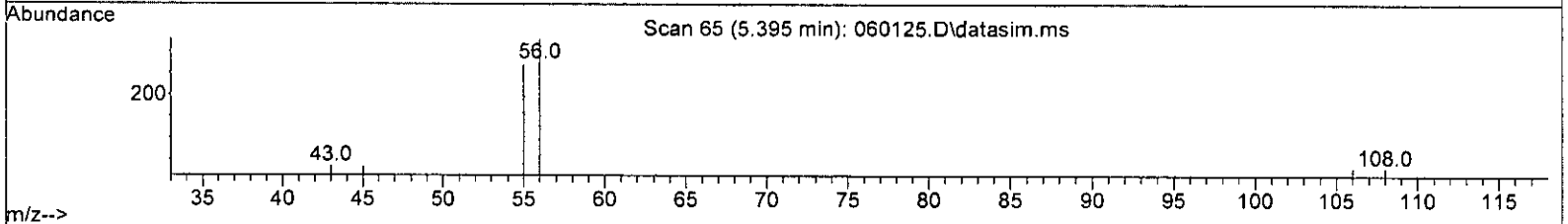
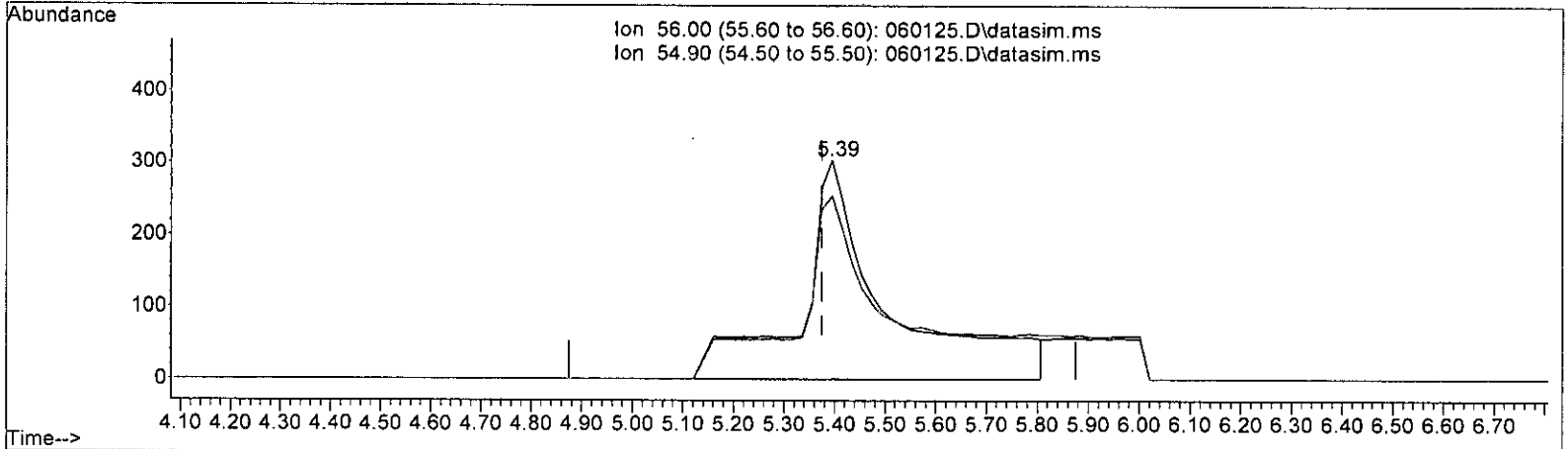
| response | 3425 |
|----------|---------------|
| Ion | Exp% Act% |
| 105.90 | 100.00 100.00 |
| 107.90 | 94.10 144.18# |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

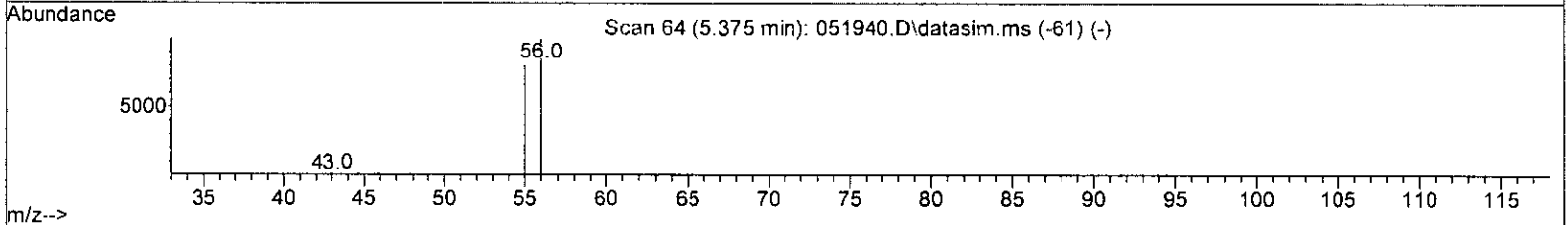
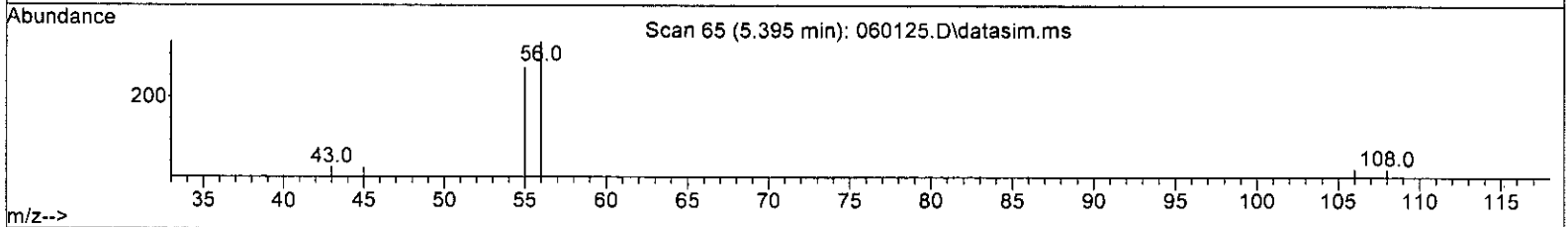
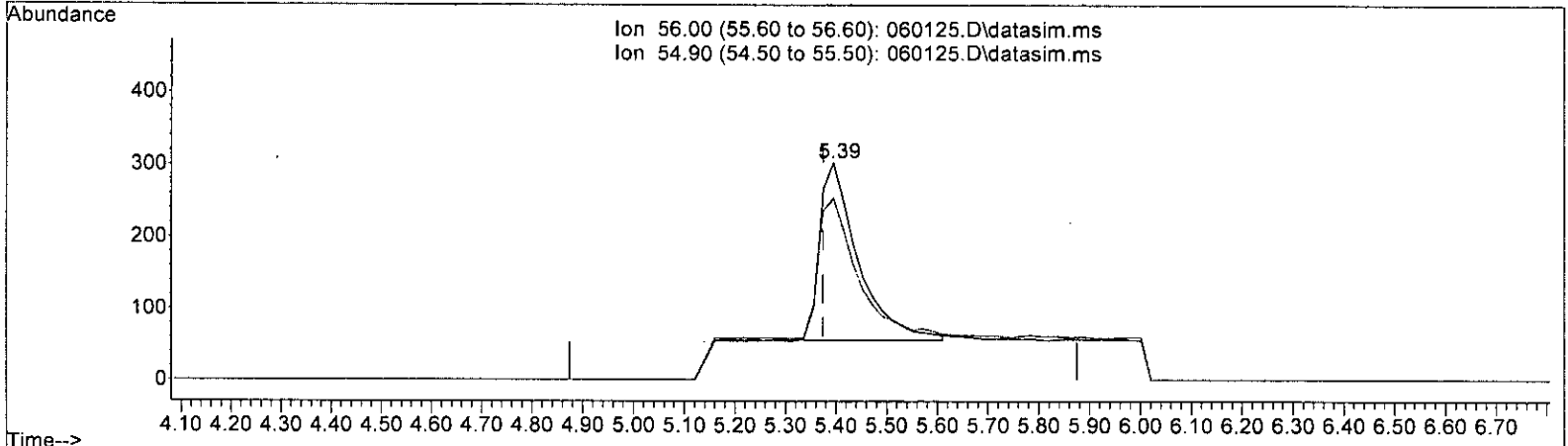
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.395min (+ 0.020) | 2.557 | ppbv |
| response | 3773 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 29.55# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.885 ppbv m

response 1305

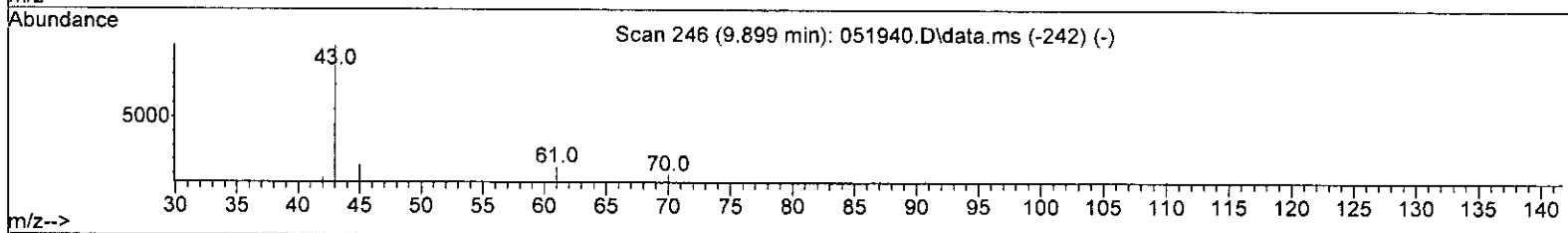
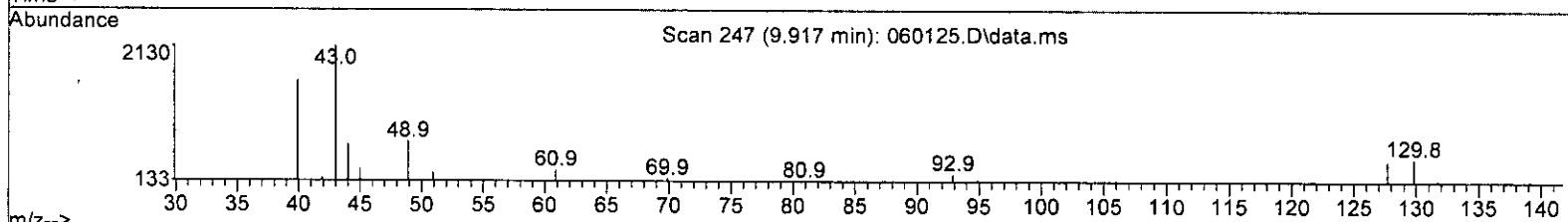
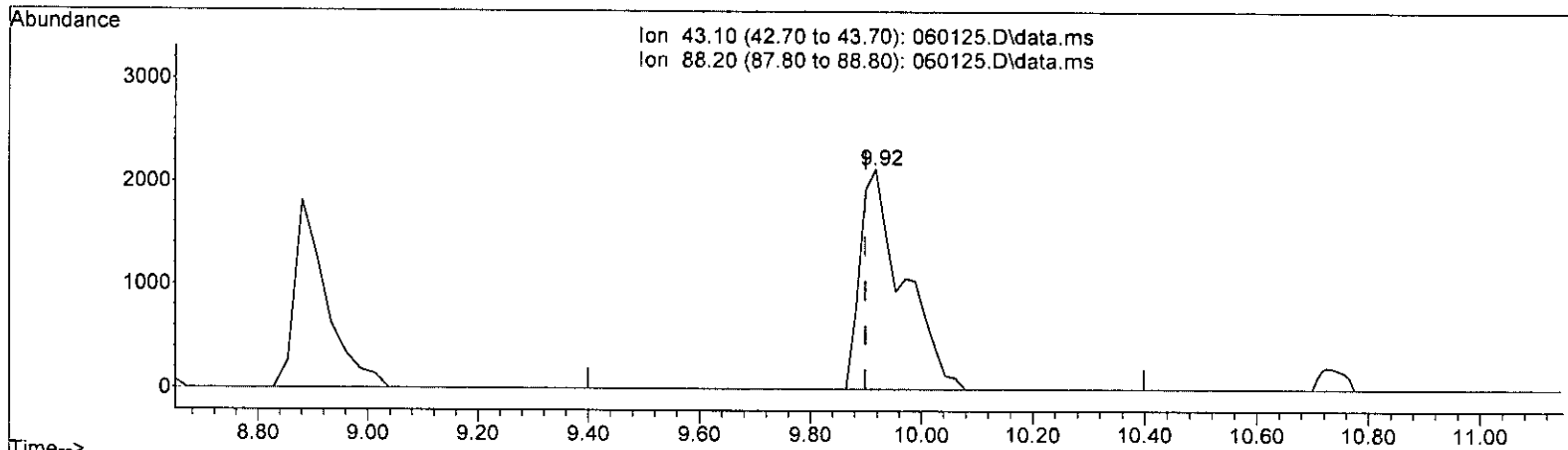
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 85.44 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

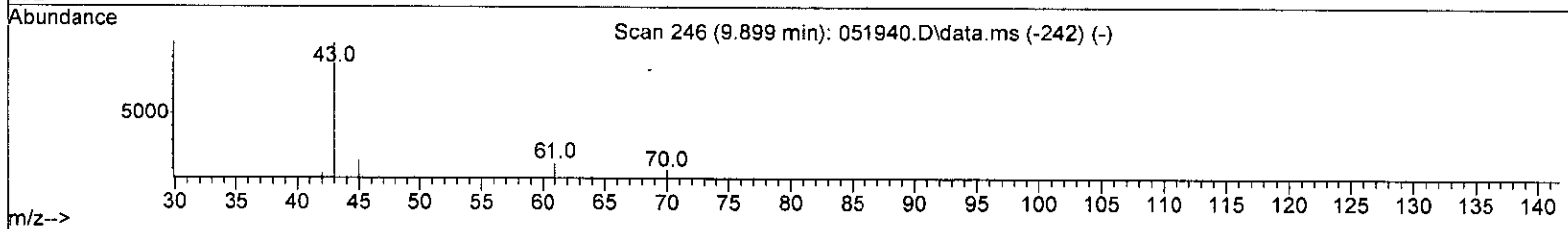
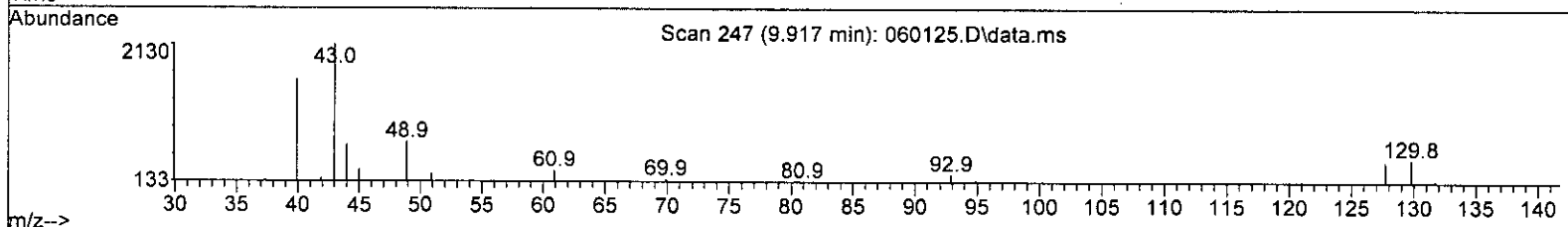
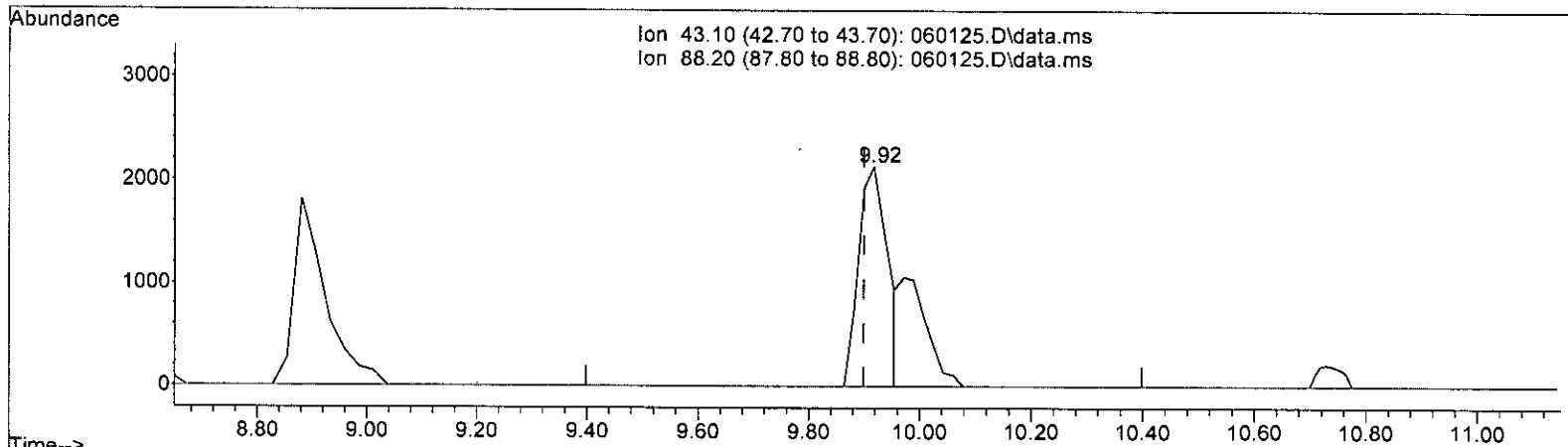
| (31) Ethyl acetate (TMP) | | |
|--------------------------|--------|--------|
| 9.917min (+ 0.018) | 1.317 | ppbv |
| response | 11501 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



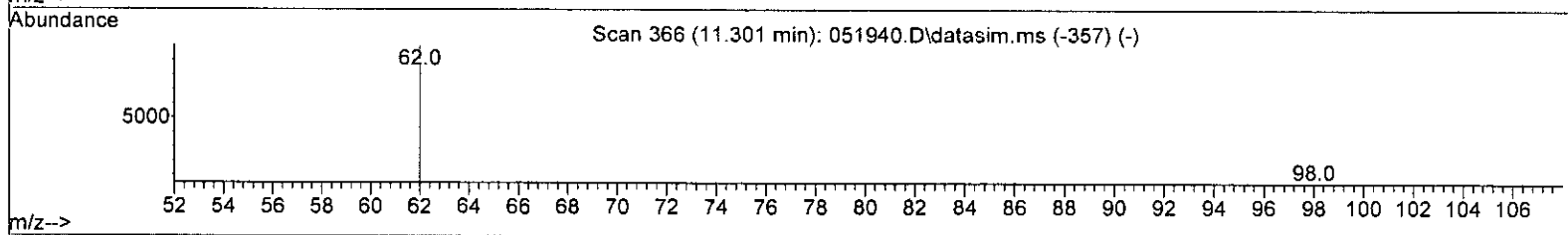
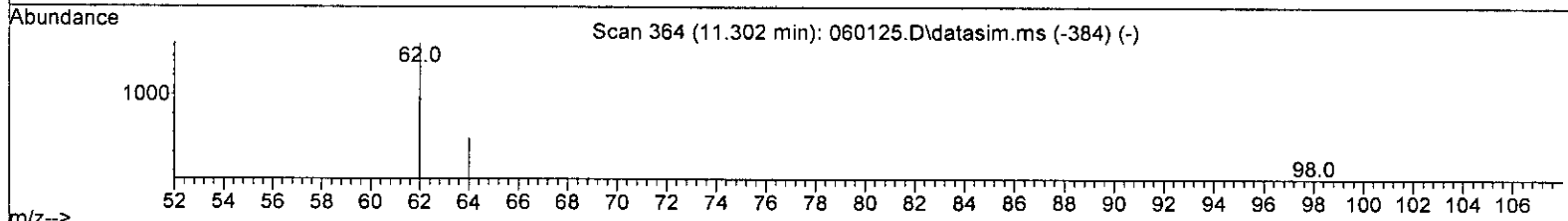
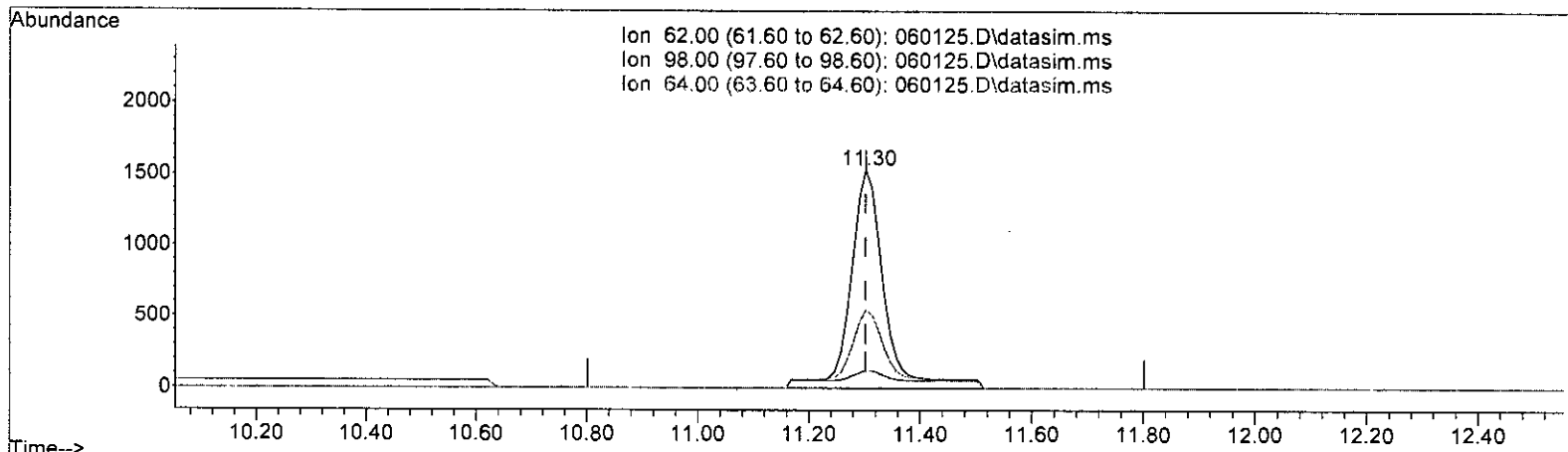
TIC: 060125.D\data.ms

| (31) Ethyl acetate (TMP) | | | |
|--------------------------|--------------------|--------------|------------|
| | 9.917min (+ 0.018) | 0.891 ppbv m | |
| response | 7785 | | |
| Ion | Exp% | Act% | |
| 43.10 | 100.00 | 100.00 | <i>bat</i> |
| 88.20 | 1.70 | 0.00# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 AL5 Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

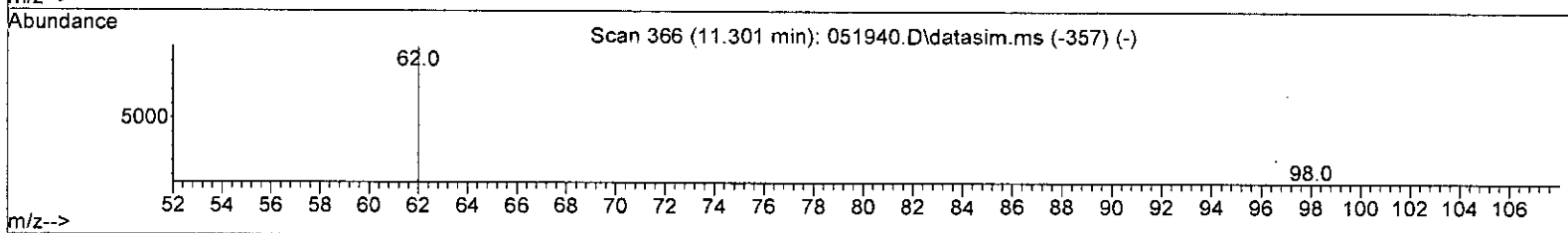
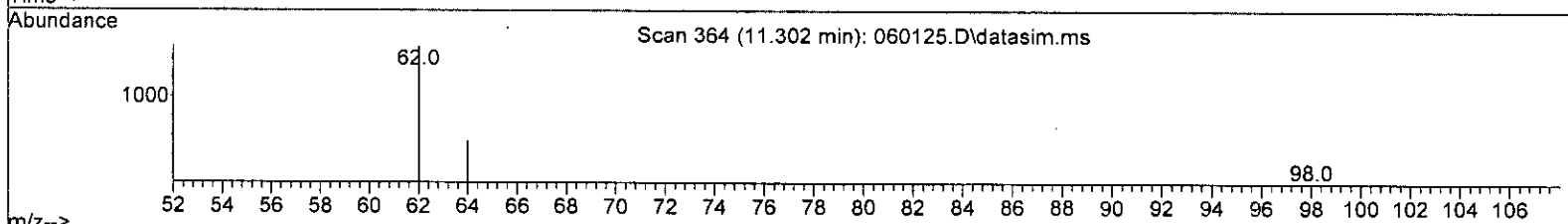
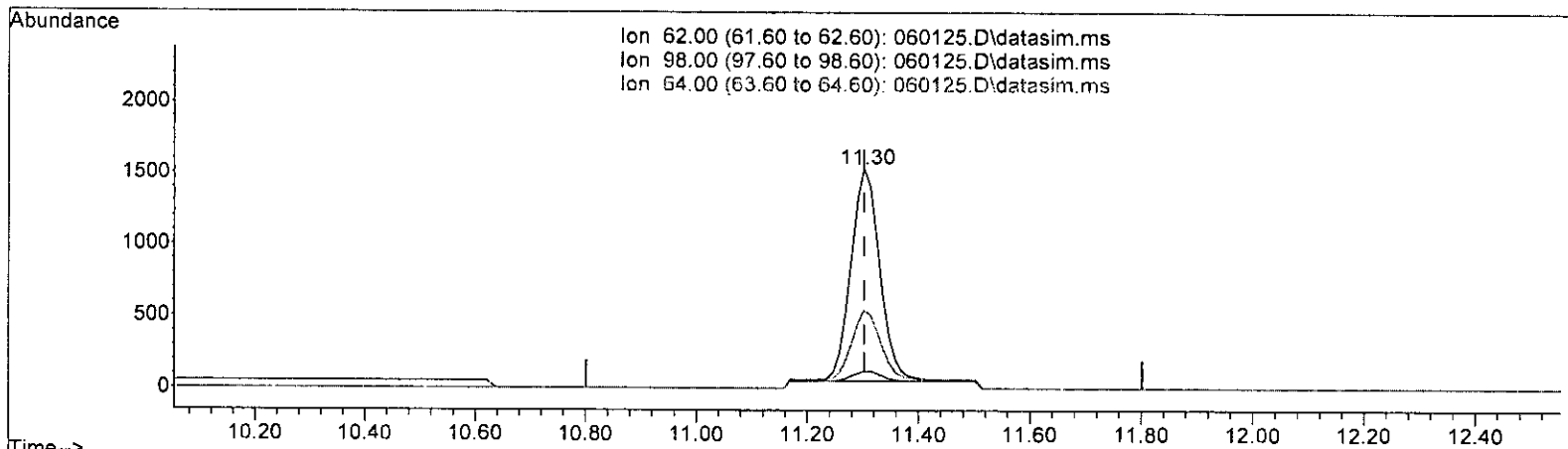
| (34) 1,2-Dichloroethane (EDC) (TMP) | | |
|-------------------------------------|--------|--------|
| 11.302min (+ 0.000) | 1.118 | ppbv |
| response | 6373 | |
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 7.75 |
| 64.00 | 33.00 | 35.37 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.934 ppbv m

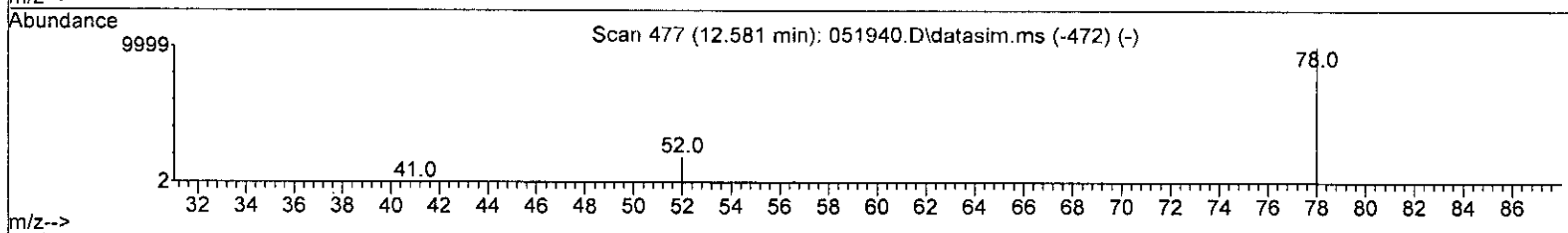
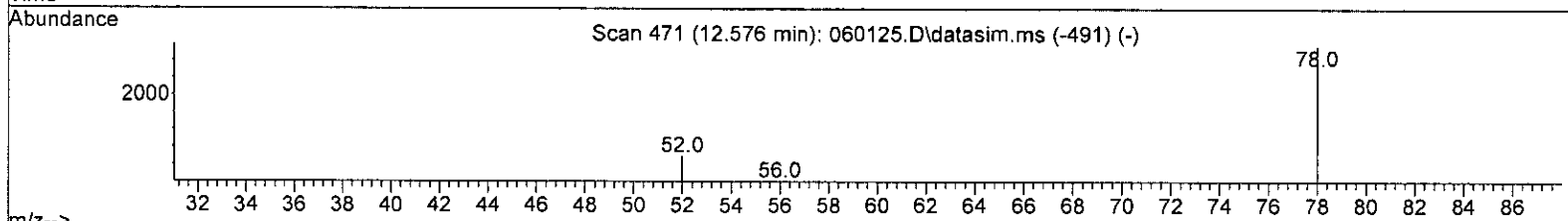
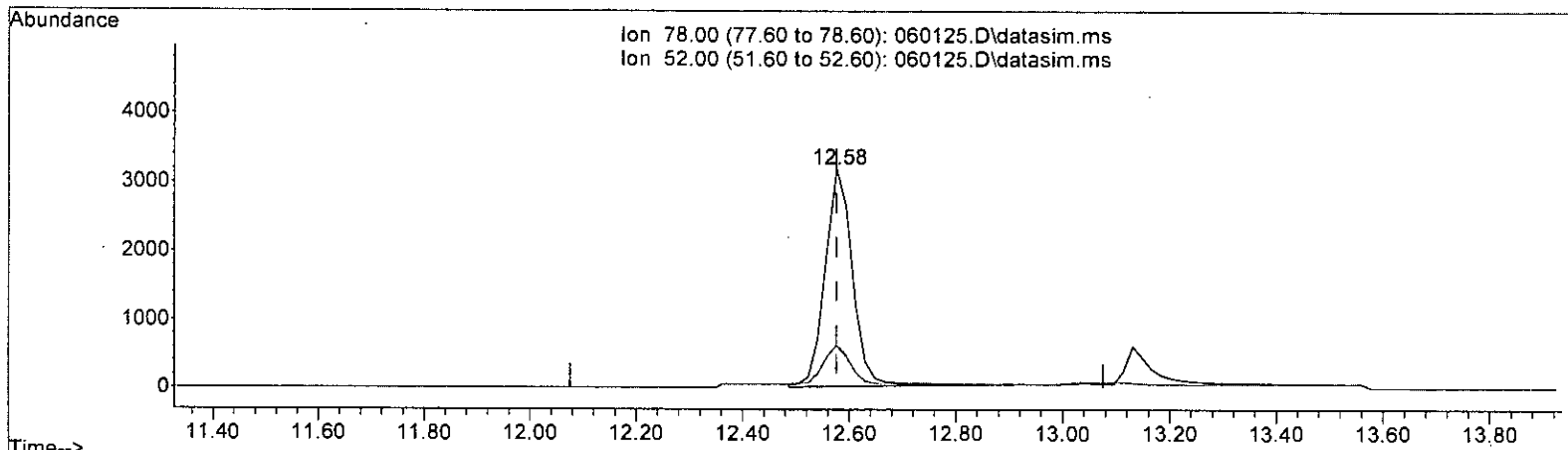
| response | 5320 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 7.75 |
| 64.00 | 33.00 | 35.37 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

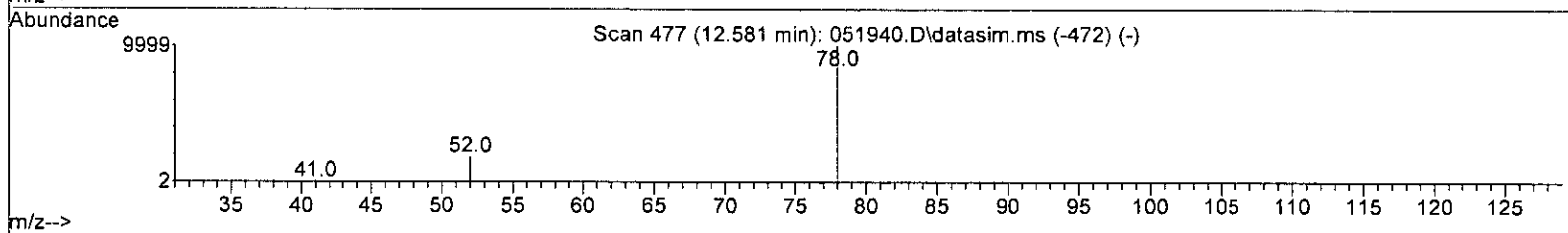
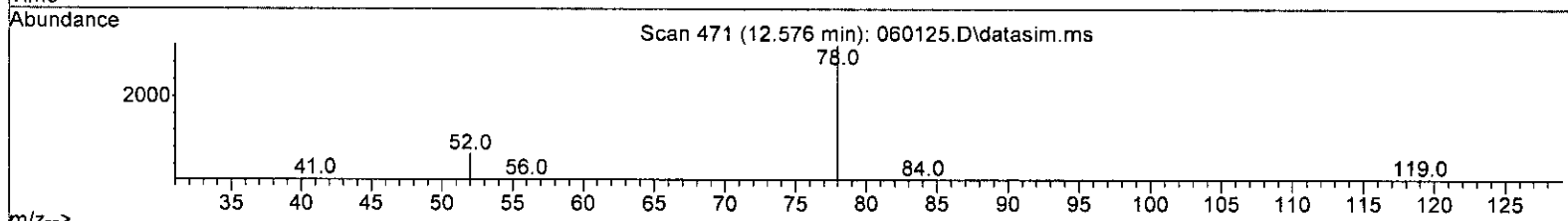
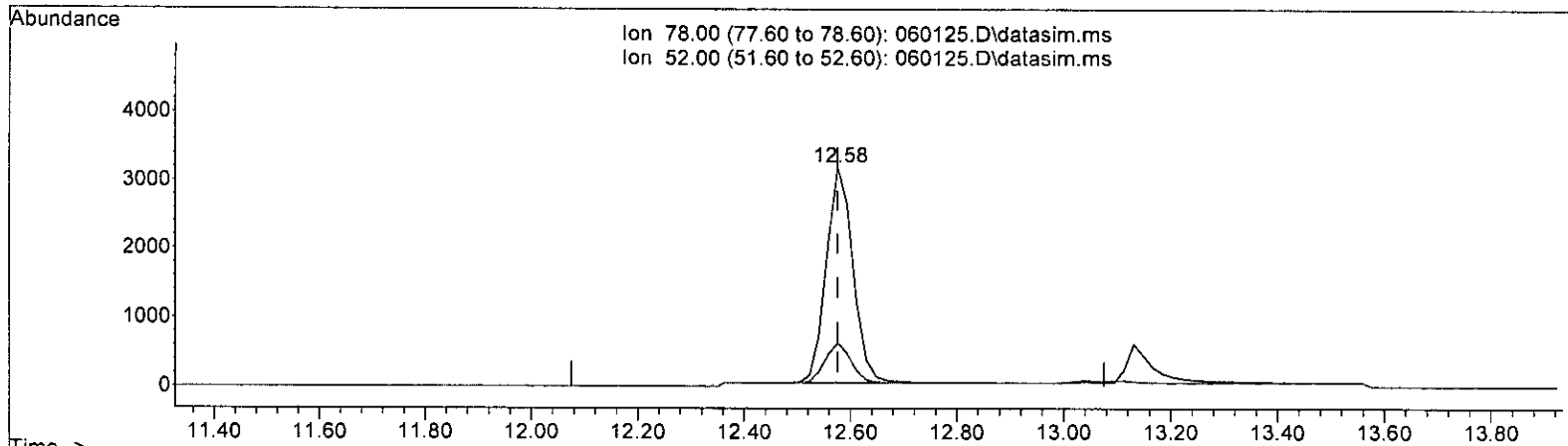
| (37) Benzene (TMP) | | | |
|---------------------|------------|--------|--|
| 12.576min (+ 0.000) | 0.953 ppbv | | |
| response | 11572 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 18.47 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

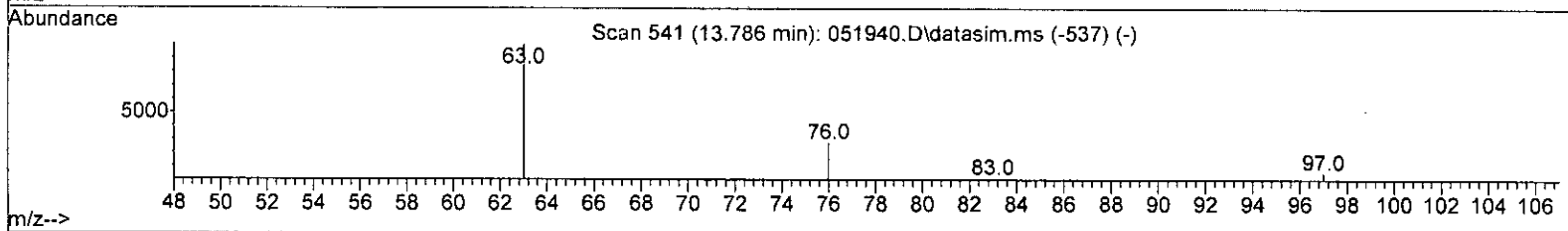
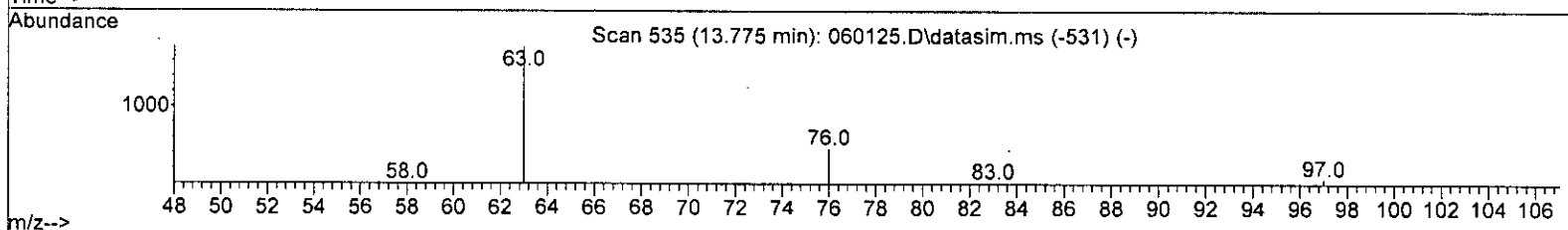
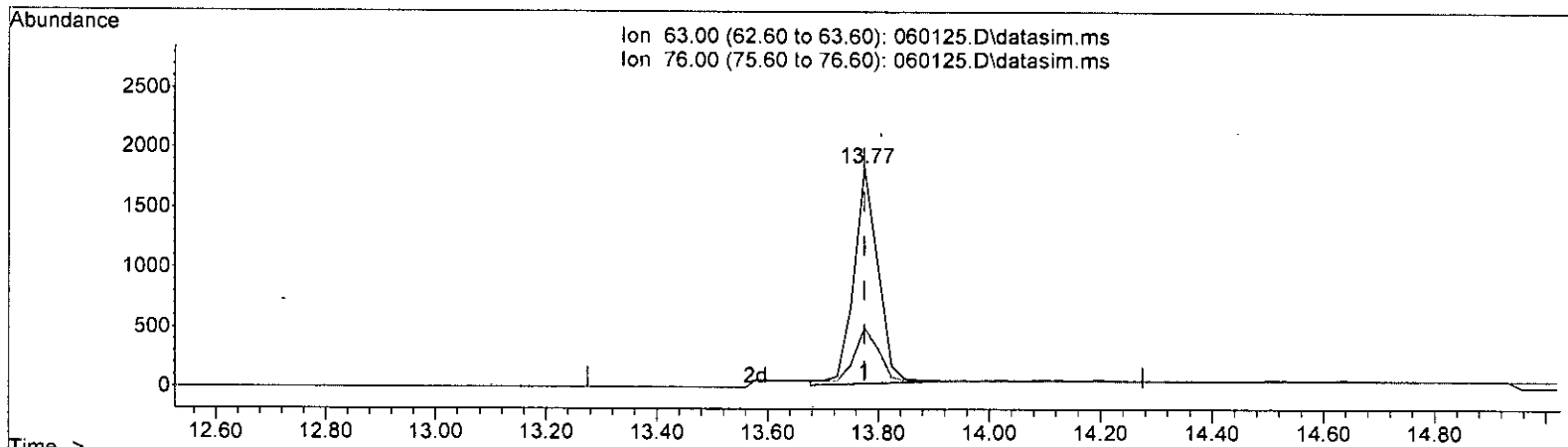
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.897 ppbv m | |
| response | 10886 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 19.88 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

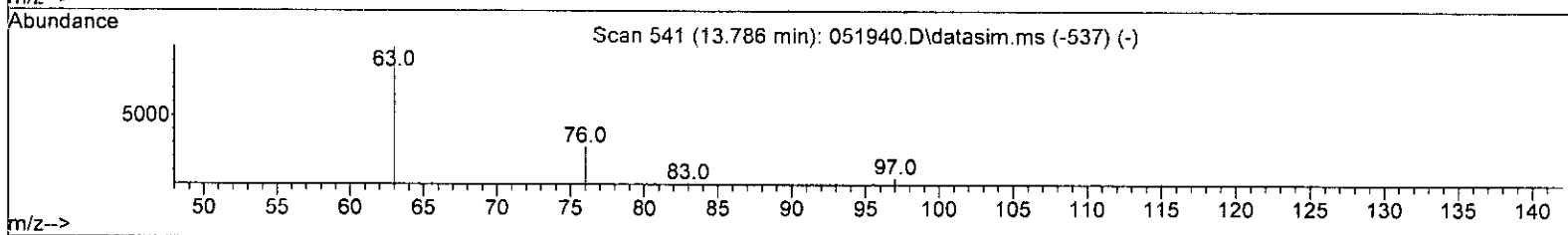
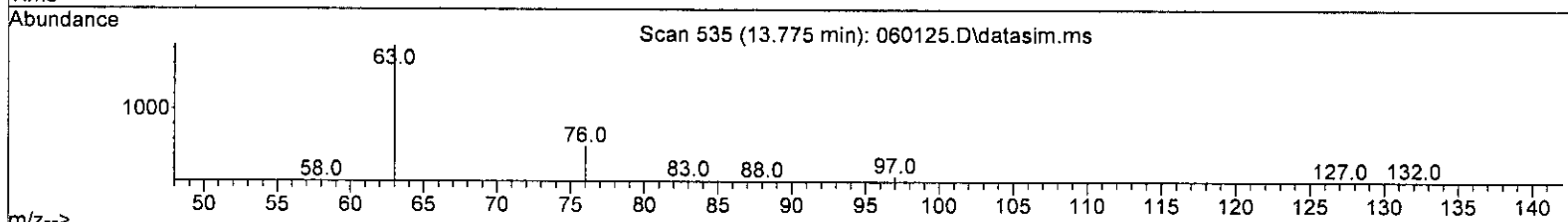
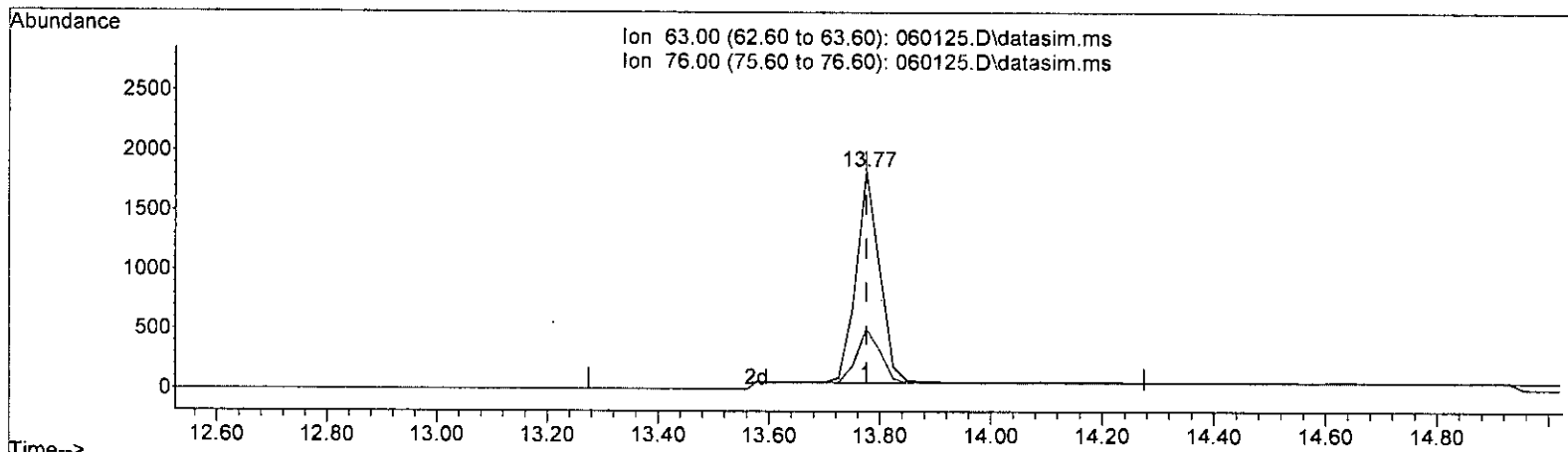
| (40) 1,2-Dichloropropane (TMP) | | |
|--------------------------------|--------|--------|
| 13.775min (-0.000) 0.978 ppbv | | |
| response | 5519 | |
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 25.39 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(40) 1,2-Dichloropropane (TMP)

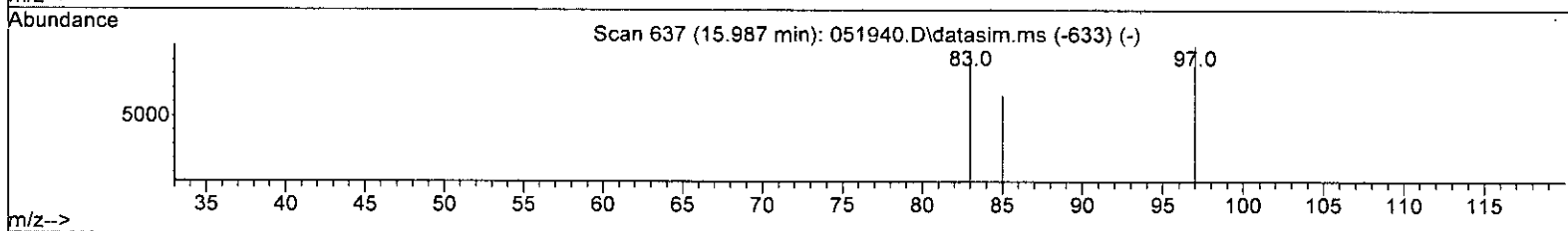
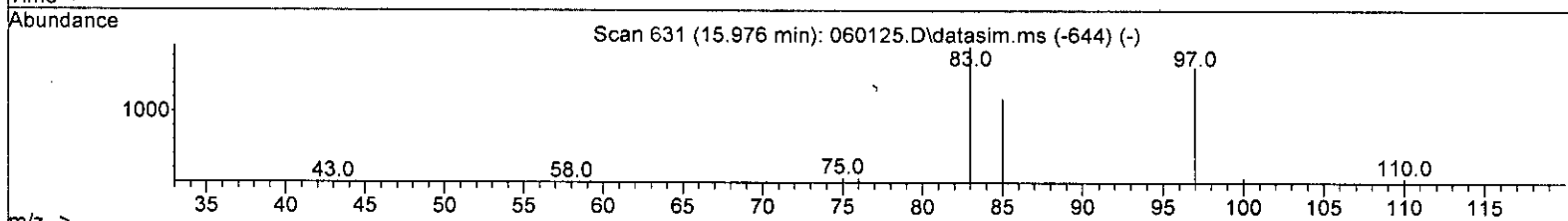
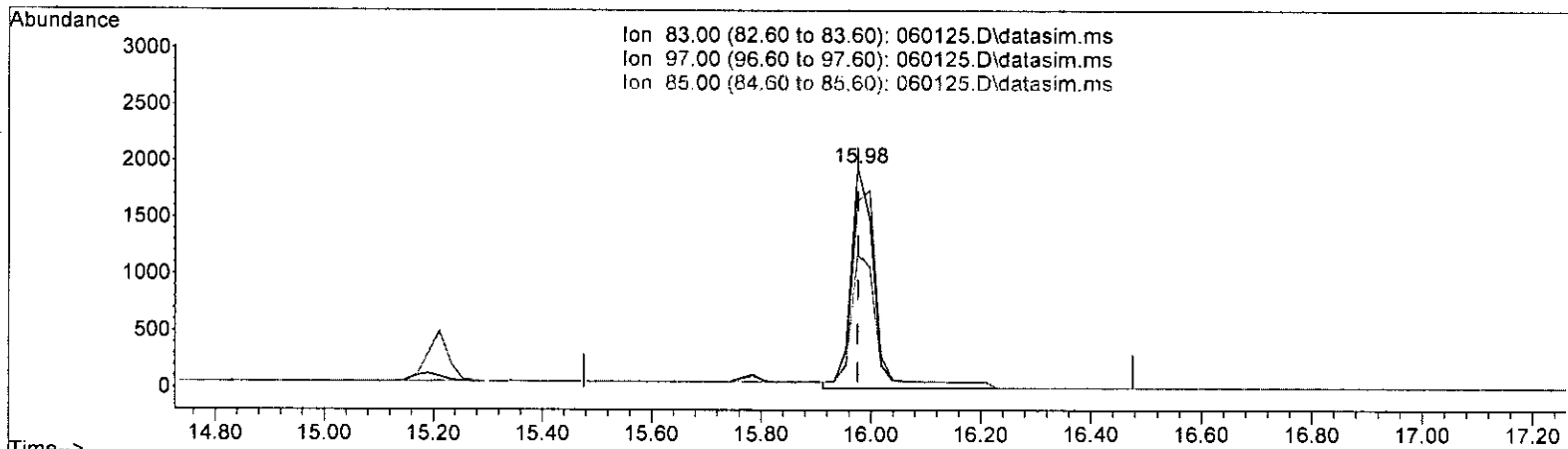
13.775min (-0.000) 0.927 ppbv m

| response | 5227 | | |
|----------|--------|--------|------------------------------|
| Ion | Exp% | Act% | |
| 63.00 | 100.00 | 100.00 | <i>Handwritten signature</i> |
| 76.00 | 25.70 | 27.49 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : TS
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

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

15.976min (-0.000) 1.100 ppbv

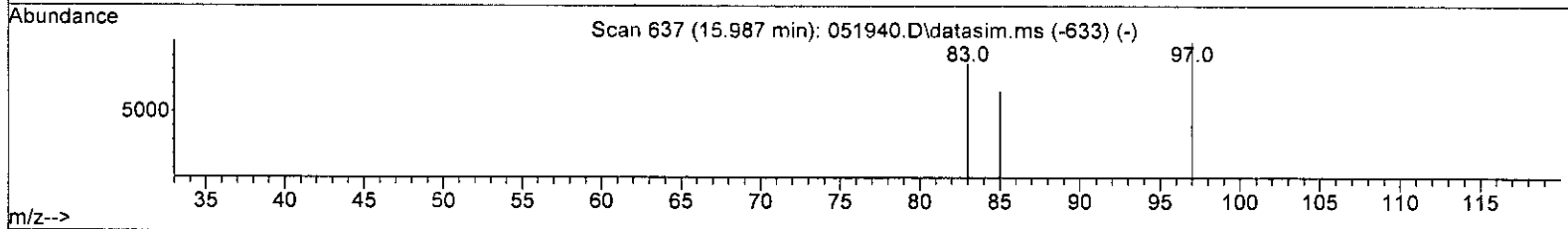
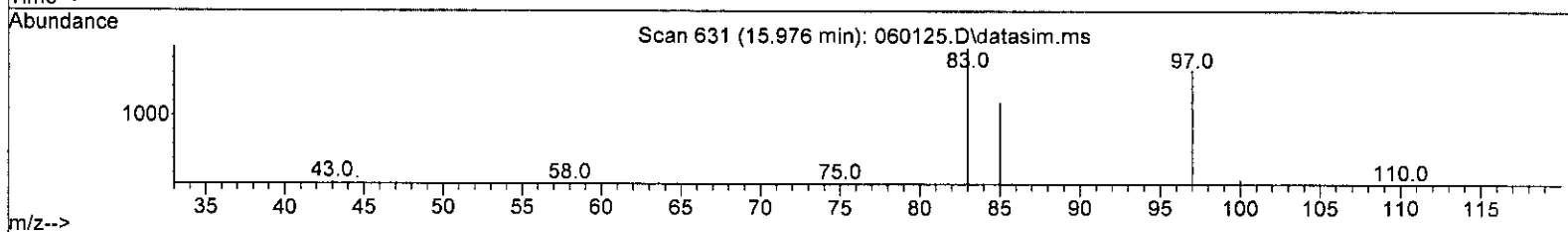
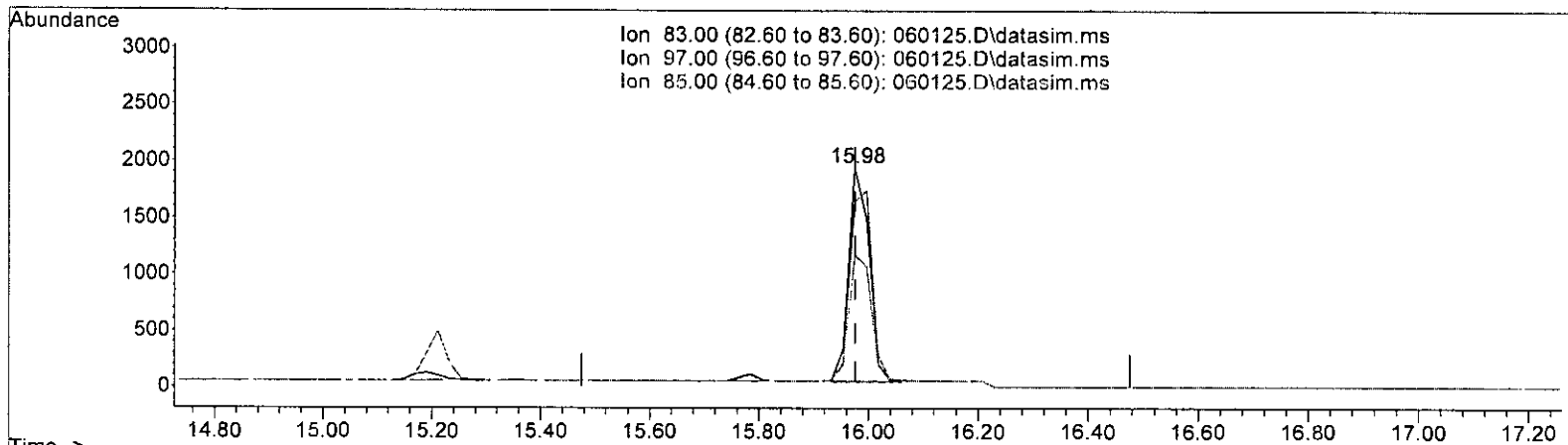
| response | 5917 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 84.42 |
| 85.00 | 60.50 60.36 |
| 0.00 | 0.00 0.00 |

Handwritten signature: S/G

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

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

15.976min (-0.000) 0.902 ppbv m

response 4853

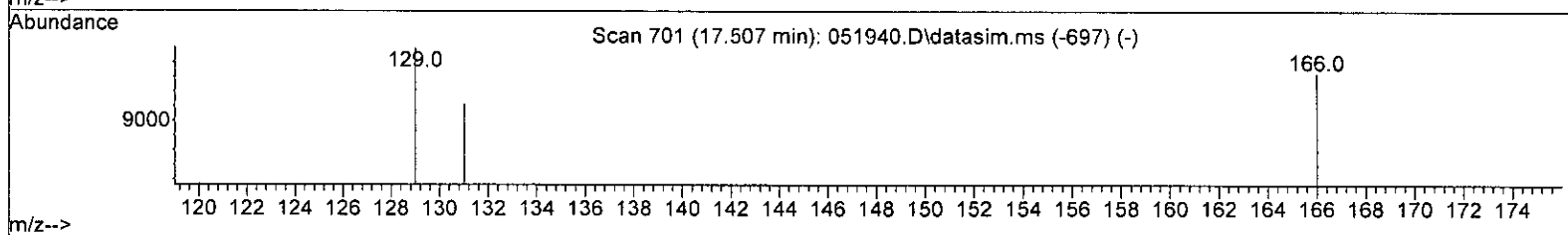
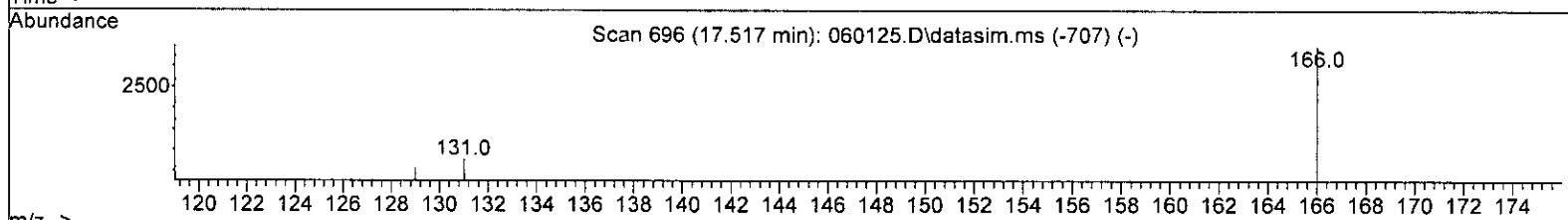
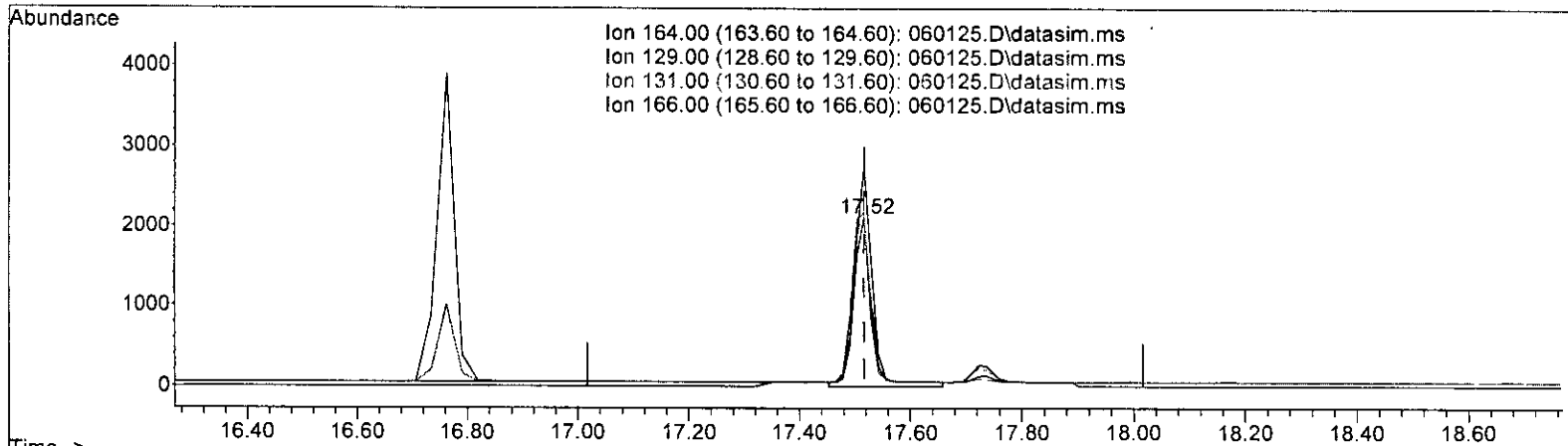
| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 84.42 |
| 85.00 | 60.50 | 60.36 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G/L

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 1.051 ppbv

response 4787

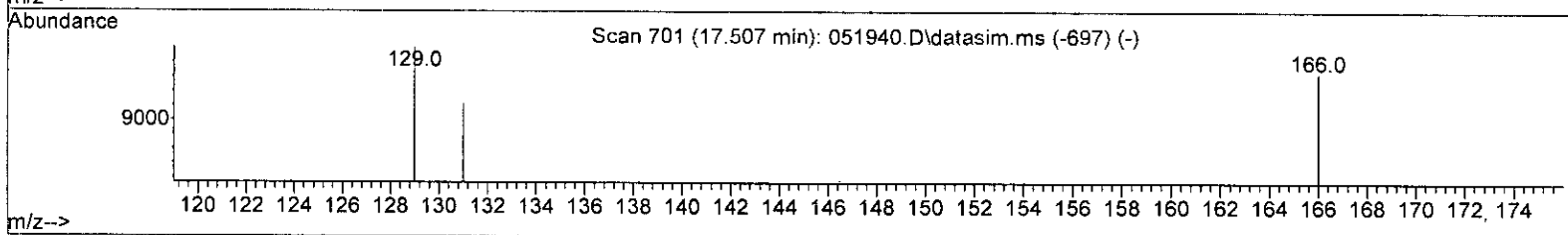
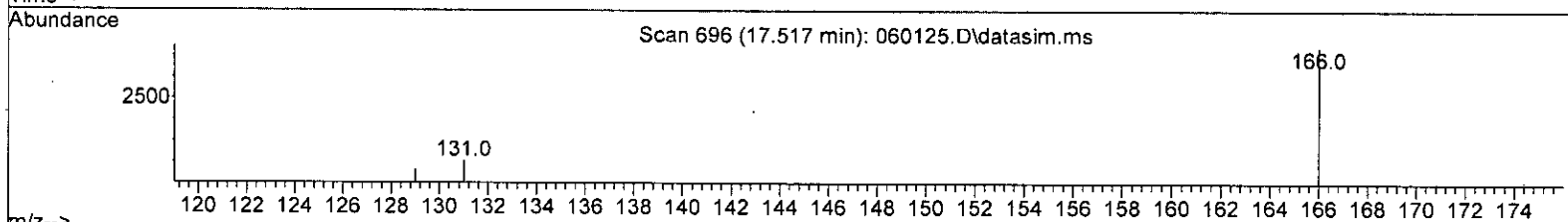
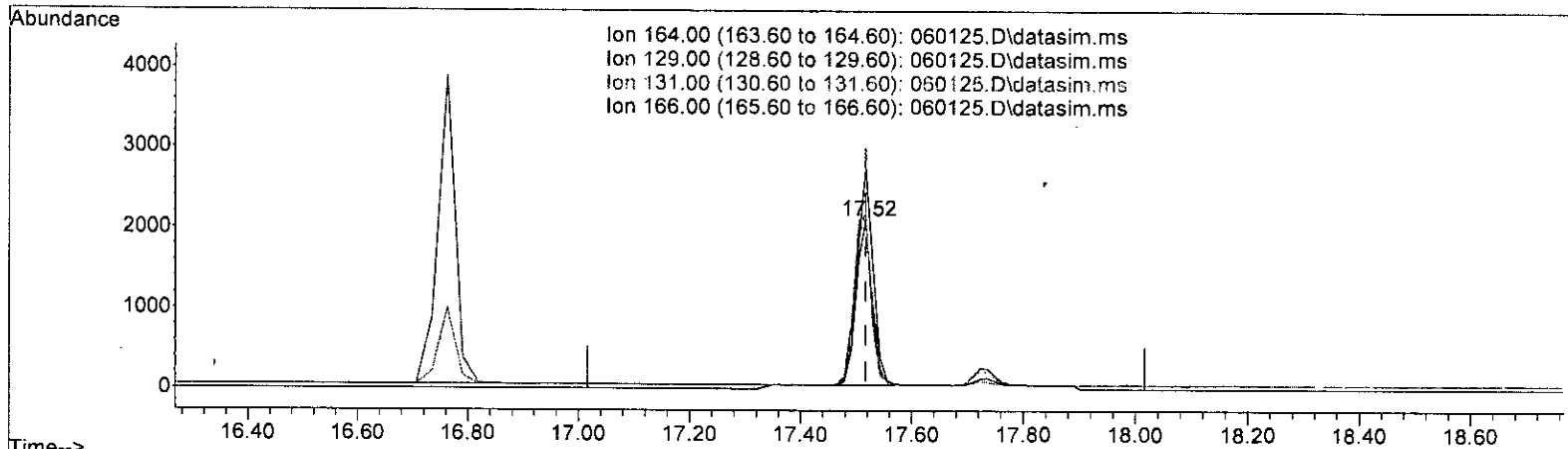
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.83 |
| 131.00 | 100.70 | 104.87 |
| 166.00 | 137.50 | 131.27 |

Handwritten signature: G. M.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 0.909 ppbv m

response 4142

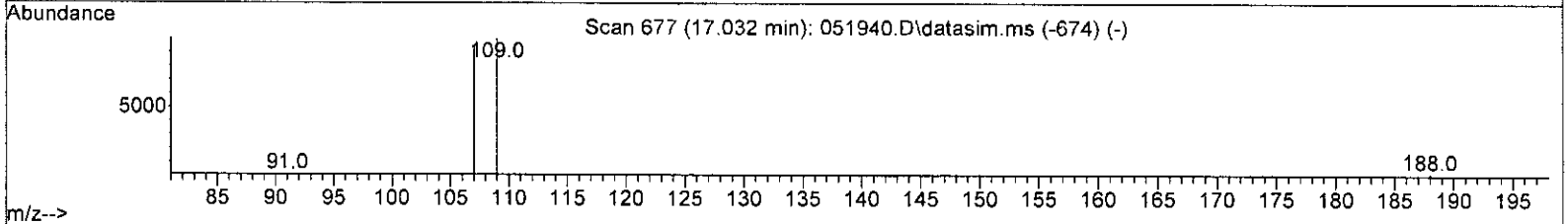
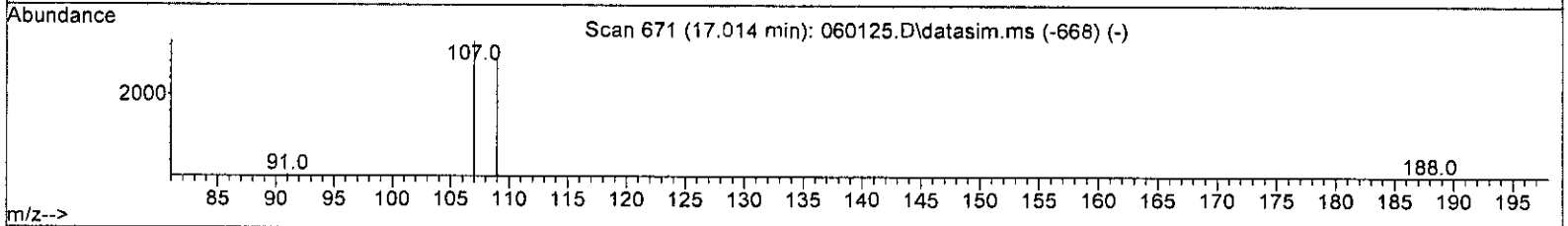
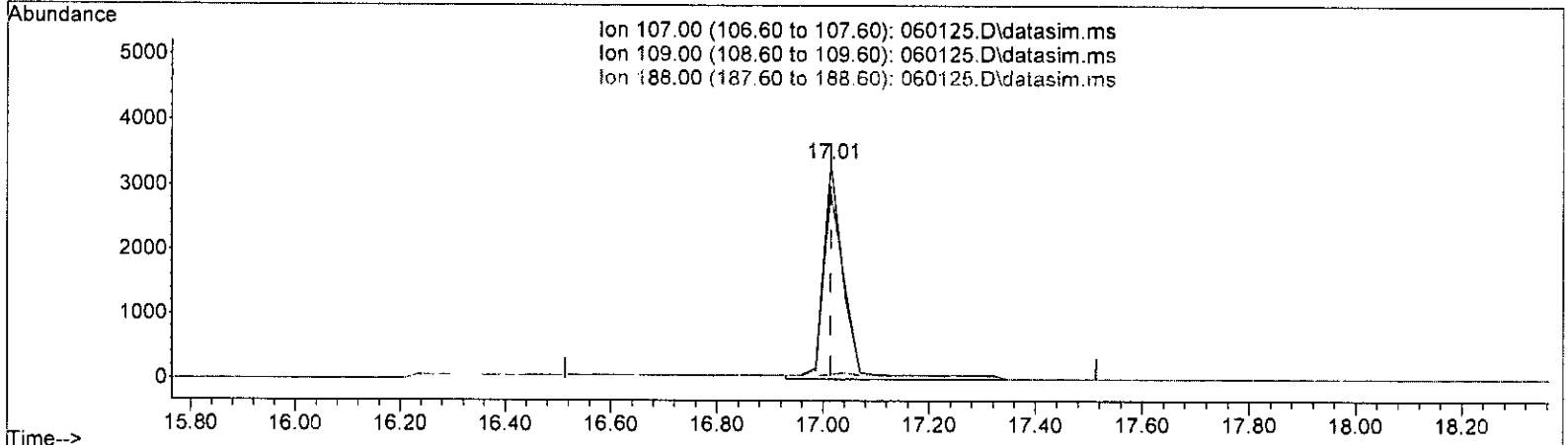
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.81 |
| 131.00 | 100.70 | 104.85 |
| 166.00 | 137.50 | 130.53 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 1.006 ppbv

response 8800

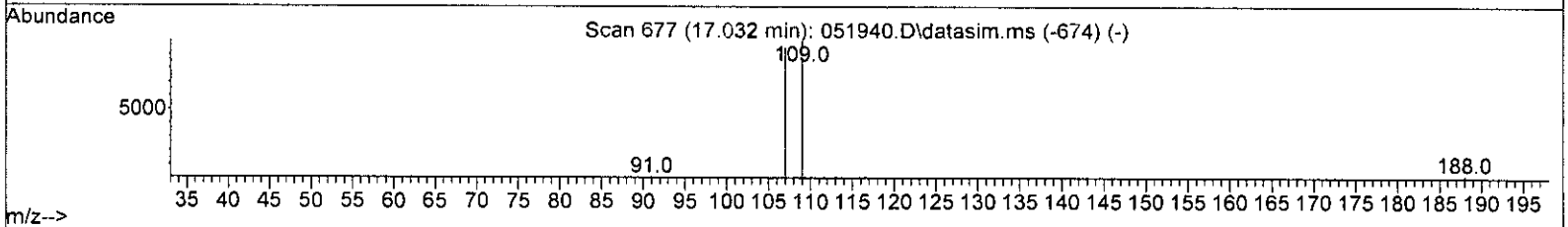
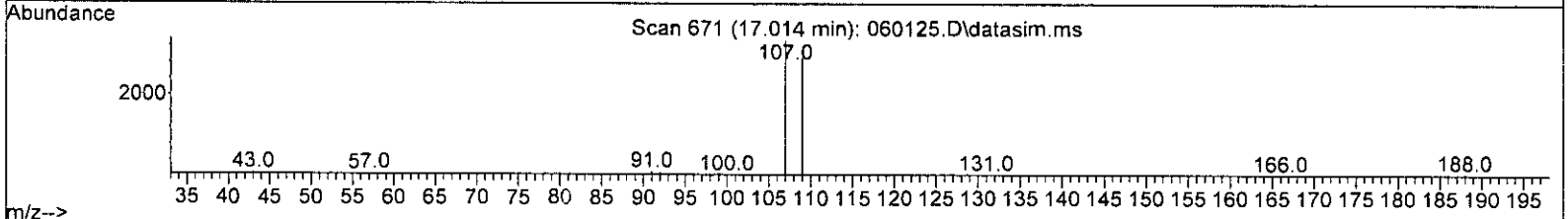
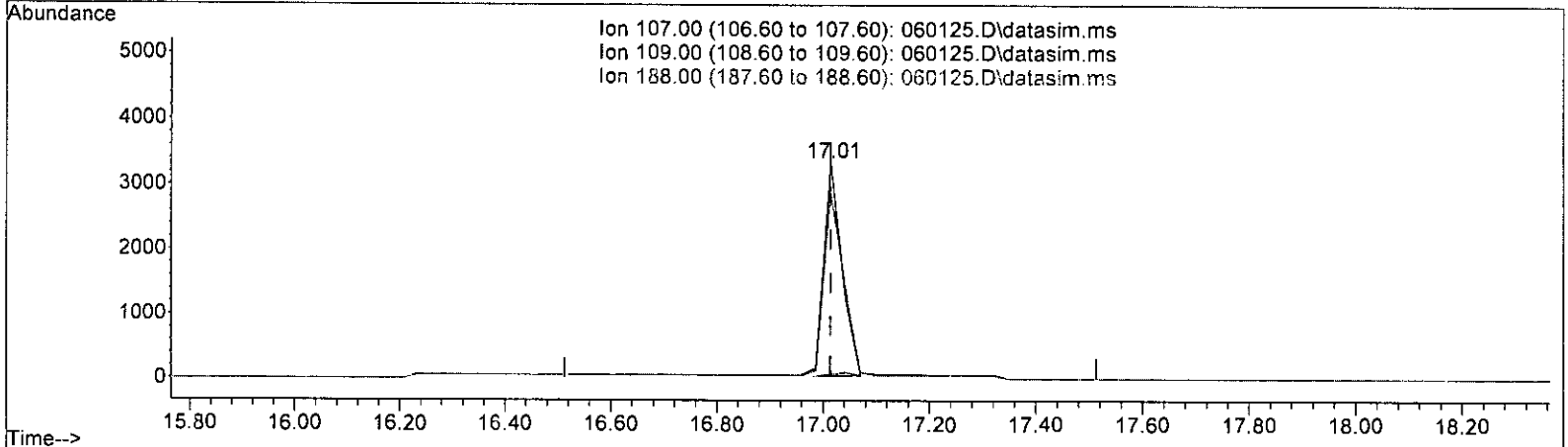
| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 86.63 |
| 188.00 | 2.70 | 2.21 |
| 0.00 | 0.00 | 0.00 |

6/6 BM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060125.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 0.896 ppbv m

response 7839

| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 86.63 |
| 188.00 | 2.70 | 2.21 |
| 0.00 | 0.00 | 0.00 |

bat

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.000 | 0.913 | 8.7 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 1.000 | 0.949 | 5.1 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.000 | 1.089 | -8.9 | 100 | 0.00 |
| 5 TMP F-114 | 1.000 | 0.905 | 9.5 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.000 | 0.947 | 5.3 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.000 | 0.915 | 8.5 | 100 | 0.00 |
| 8 TMP Butane | 1.000 | 0.905 | 9.5 | 100 | 0.04 |
| 9 TMP Bromomethane | 1.000 | 0.835 | 16.5 | 100 | 0.00 |
| 10 TMP Chloroethane | 1.000 | 0.929 | 7.1 | 97 | 0.00 |
| 11 TMP Vinyl bromide | 1.000 | 0.932 | 6.8 | 98 | 0.00 |
| 12 TMP Ethanol | 1.000 | 0.000 | 100.0# | 0 | -4.96# |
| 13 TMP Acrolein | 1.000 | 0.885 | 11.5 | 100 | 0.02 |
| 14 TMP Pentane | 1.000 | 0.957 | 4.3 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 1.000 | 1.023 | -2.3 | 100 | 0.00 |
| 16 TMP Acetone | 1.000 | 0.754 | 24.6 | 100 | 0.00 |
| 17 TMP 2-Propanol | 1.000 | 0.841 | 15.9 | 100 | 0.02 |
| 18 TMP 1,1-Dichloroethene | 1.000 | 0.940 | 6.0 | 100 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 1.000 | 0.969 | 3.1 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.000 | 0.933 | 6.7 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 1.000 | 0.925 | 7.5 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 1.000 | 0.972 | 2.8 | 100 | -0.03 |
| 23 TMP CFC-113 | 1.000 | 0.990 | 1.0 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 1.000 | 0.957 | 4.3 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 1.000 | 0.939 | 6.1 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 1.000 | 0.963 | 3.7 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 1.000 | 0.961 | 3.9 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.000 | 0.935 | 6.5 | 100 | 0.00 |
| 29 TMP Hexane | 1.000 | 0.925 | 7.5 | 100 | 0.00 |
| 30 TMP Chloroform | 1.000 | 0.938 | 6.2 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 1.000 | 0.891 | 10.9 | 100 | 0.02 |
| 32 TMP Tetrahydrofuran | 1.000 | 0.918 | 8.2 | 100 | 0.02 |
| 33 TMP 2-Butanone (MEK) | 1.000 | 0.771 | 22.9 | 100 | 0.03 |
| 34 TMP 1,2-Dichloroethane (EDC) | 1.000 | 0.934 | 6.6 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 1.000 | 0.956 | 4.4 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 1.000 | 0.963 | 3.7 | 100 | 0.00 |
| 37 TMP Benzene | 1.000 | 0.897 | 10.3 | 99 | 0.00 |
| 38 TMP Cyclohexane | 1.000 | 0.893 | 10.7 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 1.000 | 0.927 | 7.3 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 1.000 | 0.962 | 3.8 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.000 | 0.884 | 11.6 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 1.000 | 0.875 | 12.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|------|-------|----------|
| 44 TMP Heptane | 1.000 | 0.847 | 15.3 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 1.000 | 0.949 | 5.1 | 100 | 0.00 |
| 46 TMP Trichloroethene | 1.000 | 0.936 | 6.4 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 1.000 | 0.907 | 9.3 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 1.000 | 0.810 | 19.0 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 1.000 | 0.920 | 8.0 | 100 | 0.00 |
| 50 TMP Toluene | 1.000 | 1.004 | -0.4 | 121 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 1.000 | 0.902 | 9.8 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 1.000 | 0.944 | 5.6 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 1.000 | 0.909 | 9.1 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 1.000 | 0.955 | 4.5 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 1.000 | 0.896 | 10.4 | 99 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.000 | 0.974 | 2.6 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.000 | 0.904 | 9.6 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.000 | 0.931 | 6.9 | 100 | 0.00 |
| 60 TMP Nonane | 1.000 | 1.014 | -1.4 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.000 | 0.897 | 10.3 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 1.000 | 0.969 | 3.1 | 100 | 0.00 |
| 63 TMP Propylbenzene | 1.000 | 0.938 | 6.2 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.000 | 0.867 | 13.3 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 2.000 | 1.736 | 13.2 | 100 | 0.00 |
| 66 TMP o-Xylene | 1.000 | 0.923 | 7.7 | 100 | 0.00 |
| 67 TMP Styrene | 1.000 | 0.914 | 8.6 | 100 | 0.00 |
| 68 TMP Bromoform | 1.000 | 1.007 | -0.7 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.896 | 1.0 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.000 | 0.917 | 8.3 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.000 | 0.885 | 11.5 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.000 | 0.862 | 13.8 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.000 | 0.909 | 9.1 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 1.000 | 0.910 | 9.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.000 | 0.909 | 9.1 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 1.000 | 0.869 | 13.1 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.000 | 0.799 | 20.1 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.000 | 0.931 | 6.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.181 | 8.7 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.089 | 5.1 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.793 | -8.9 | 100 | 0.00 |
| 5 TMP F-114 | 4.259 | 3.853 | 9.5 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.751 | 5.3 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.108 | 8.5 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.209 | 9.5 | 100 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.327 | 16.4 | 100 | 0.00 |
| 10 TMP Chloroethane | 0.685 | 0.637 | 7.0 | 97 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.542 | 6.8 | 98 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.000 | 100.0# | 0# | -4.96# |
| 13 TMP Acrolein | 0.664 | 0.588 | 11.4 | 100 | 0.02 |
| 14 TMP Pentane | 2.765 | 2.646 | 4.3 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 4.569 | -2.3 | 100 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.520 | 24.5 | 100 | 0.00 |
| 17 TMP 2-Propanol | 3.342 | 2.811 | 15.9 | 100 | 0.02 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.491 | 6.0 | 100 | -0.03 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.519 | 3.1 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.386 | 6.7 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 2.726 | 7.5 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.107 | 2.8 | 100 | -0.03 |
| 23 TMP CFC-113 | 3.396 | 3.360 | 1.1 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 5.043 | 4.827 | 4.3 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.349 | 6.1 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.171 | 3.7 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.278 | 3.9 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.593 | 6.5 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 1.914 | 7.5 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 3.756 | 6.2 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 3.506 | 10.9 | 100 | 0.02 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.695 | 8.2 | 100 | 0.02 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.467 | 22.9 | 100 | 0.03 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.396 | 6.6 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.325 | 4.4 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.404 | 3.7 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 4.902 | 10.3 | 99 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.210 | 10.7 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.557 | 7.3 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.255 | 3.8 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.599 | 11.6 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.483 | 12.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060125.D
 Acq On : 2 Jun 2023 4:27 am
 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.528 | 15.2 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 0.924 | 5.1 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.575 | 6.5 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.625 | 9.3 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.038 | 19.1 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.639 | 8.1 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.796 | -0.5 | 121 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.517 | 9.8 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.899 | 5.6 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.442 | 9.1 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.901 | 4.6 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.836 | 10.4 | 99 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.042 | 2.6 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.571 | 9.6 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.425 | 6.9 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.761 | -1.5 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.343 | 10.3 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.389 | 3.0 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 2.832 | 6.2 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.273 | 13.3 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.539 | 13.1 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.486 | 7.8 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.701 | 8.6 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.946 | -0.6 | 100 | 0.00 |
| 69 5 4-Bromofluorobenzene | 0.709 | 0.701 | 1.1 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.241 | 8.3 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.173 | 11.5 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.009 | 13.8 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 0.957 | 9.1 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.899 | 9.0 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.925 | 9.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.693 | 13.2 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.992 | 19.3 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.026 | 7.0 | 100 | 0.00 |

(#) = Out of Range

5PCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
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 Operator : bat
 Sample : 1.0 ppbv T015 69-62-b
 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 22206 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 93785 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 79821 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 55990 | 9.896 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 99.00% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 2623 | 0.913 | ppbv | 97 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 9079 | 0.949 | ppbv | 99 |
| 4) Chloromethane | 3.69 | 50 | 3982 | 1.089 | ppbv | 95 |
| 5) F-114 | 3.88 | 85 | 8557 | 0.905 | ppbv | 95 |
| 6] Vinyl chloride | 4.01 | 62 | 3889 | 0.947 | ppbv | 97 |
| 7] 1,3-Butadiene | 4.21 | 54 | 2461 | 0.915 | ppbv # | 86 |
| 8) Butane | 4.32 | 43 | 4905 | 0.905 | ppbv # | 80 |
| 9) Bromomethane | 4.56 | 94 | 2947 | 0.835 | ppbv | 100 |
| 10] Chloroethane | 4.80 | 64 | 1414m | 0.929 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 3425m | 0.932 | ppbv | |
| 12) Ethanol | 0.00 | | 0 | N.D. | d | |
| 13] Acrolein | 5.39 | 56 | 1305m | 0.885 | ppbv | |
| 14) Pentane | 6.25 | 43 | 5876 | 0.957 | ppbv | 95 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 10145 | 1.023 | ppbv | 85 |
| 16) Acetone | 5.55 | 58 | 1155 | 0.754 | ppbv | 100 |
| 17) 2-Propanol | 5.80 | 45 | 6243 | 0.841 | ppbv | 89 |
| 18] 1,1-Dichloroethene | 6.63 | 96 | 3312 | 0.940 | ppbv | 88 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 3373 | 0.969 | ppbv # | 71 |
| 20) Methylene chloride | 6.75 | 84 | 3077 | 0.933 | ppbv | 90 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 6053 | 0.925 | ppbv # | 73 |
| 22) 3-Chloropropene | 6.91 | 41 | 4678 | 0.972 | ppbv # | 89 |
| 23) CFC-113 | 7.12 | 101 | 7462 | 0.990 | ppbv | 88 |
| 24) Carbon disulfide | 7.25 | 76 | 10718 | 0.957 | ppbv | 91 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 7436 | 0.939 | ppbv | 99 |
| 26) Vinyl acetate | 8.51 | 43 | 9262 | 0.963 | ppbv | 100 |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 7279 | 0.961 | ppbv | 98 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 3537 | 0.935 | ppbv | 92 |
| 29) Hexane | 9.99 | 57 | 4250 | 0.925 | ppbv | 99 |
| 30] Chloroform | 10.07 | 83 | 8341 | 0.938 | ppbv | 100 |
| 31) Ethyl acetate | 9.92 | 43 | 7785m | 0.891 | ppbv | |
| 32) Tetrahydrofuran | 10.74 | 42 | 3763 | 0.918 | ppbv | 87 |
| 33) 2-Butanone (MEK) | 8.91 | 72 | 1038 | 0.771 | ppbv # | 74 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 5320m | 0.934 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 7383 | 0.956 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 7558 | 0.963 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 10886m | 0.897 | ppbv | |
| 38) Cyclohexane | 13.04 | 84 | 2688 | 0.893 | ppbv | 97 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 5227m | 0.927 | ppbv | |

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 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

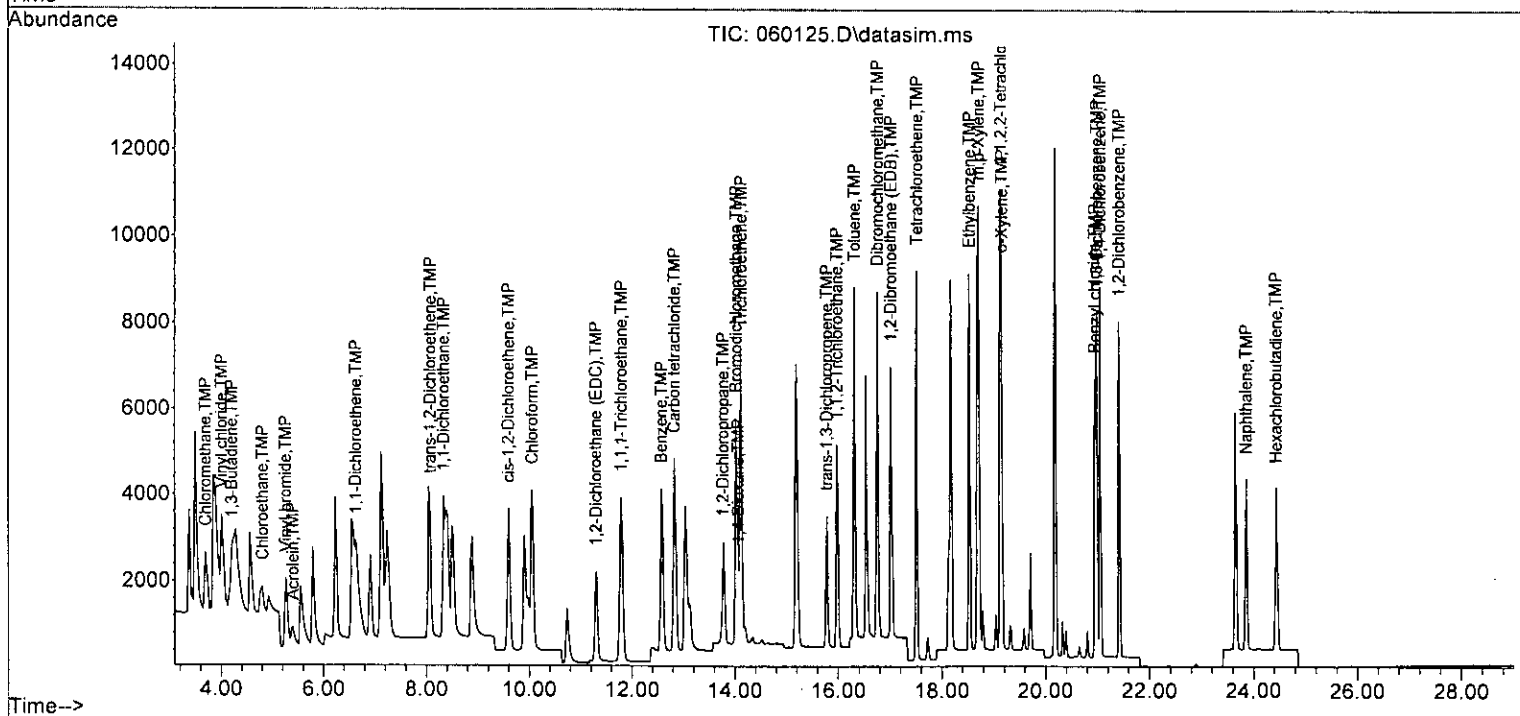
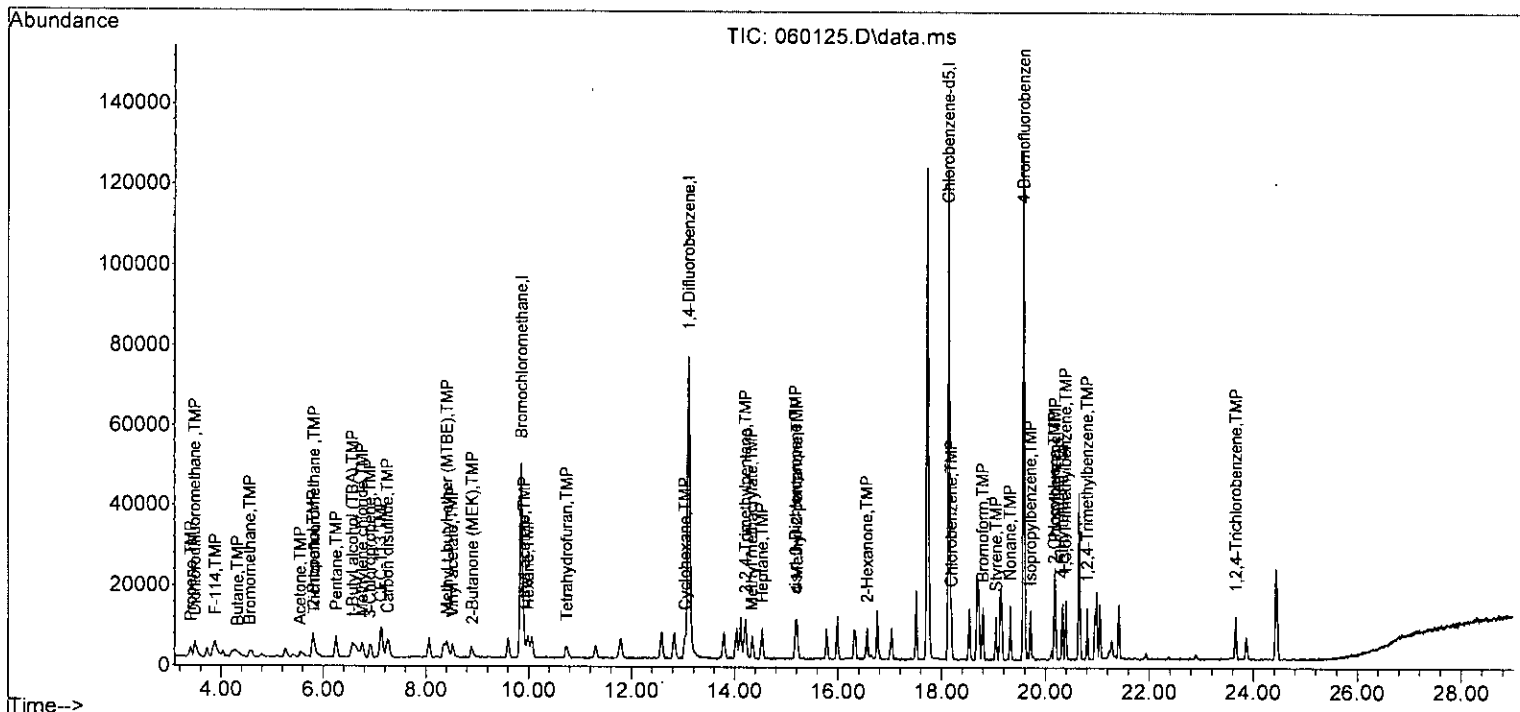
Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----|---------------------------|-------|------|----------|-------|--------|----------|
| 41] | 1,4-Dioxane | 14.07 | 88 | 2389 | 0.962 | ppbv | 77 |
| 42) | 2,2,4-Trimethylpentane | 14.21 | 57 | 14993 | 0.884 | ppbv | 90 |
| 43) | Methyl methacrylate | 14.34 | 41 | 4531 | 0.875 | ppbv | 99 |
| 44) | Heptane | 14.53 | 43 | 4952 | 0.847 | ppbv # | 99 |
| 45] | Bromodichloromethane | 14.02 | 83 | 8669 | 0.949 | ppbv | 99 |
| 46] | Trichloroethene | 14.12 | 95 | 5395 | 0.936 | ppbv | 99 |
| 47) | cis-1,3-Dichloropropene | 15.18 | 75 | 5860 | 0.907 | ppbv | 95 |
| 48) | 4-Methyl-2-pentanone | 15.21 | 100 | 356 | 0.810 | ppbv # | 92 |
| 49] | trans-1,3-Dichloropropene | 15.78 | 75 | 5993 | 0.920 | ppbv | 92 |
| 50] | Toluene | 16.31 | 92 | 7462 | 1.004 | ppbv | 88 |
| 51] | 1,1,2-Trichloroethane | 15.98 | 83 | 4853m | 0.902 | ppbv | |
| 52) | 2-Hexanone | 16.56 | 43 | 8430 | 0.944 | ppbv | 90 |
| 53] | Tetrachloroethene | 17.52 | 164 | 4142m | 0.909 | ppbv | |
| 54] | Dibromochloromethane | 16.76 | 129 | 8452 | 0.955 | ppbv | 92 |
| 55] | 1,2-Dibromoethane (EDB) | 17.01 | 107 | 7839m | 0.896 | ppbv | |
| 57) | Chlorobenzene | 18.19 | 112 | 8321 | 0.974 | ppbv | 99 |
| 58] | Ethylbenzene | 18.53 | 91 | 12539 | 0.904 | ppbv | 99 |
| 59] | 1,1,1,2-Tetrachloroethane | 19.13 | 83 | 11377 | 0.931 | ppbv | 92 |
| 60) | Nonane | 19.32 | 43 | 6076 | 1.014 | ppbv # | 95 |
| 61) | Isopropylbenzene | 19.72 | 105 | 10718 | 0.897 | ppbv | 97 |
| 62) | 2-Chlorotoluene | 20.17 | 126 | 3104 | 0.969 | ppbv | 78 |
| 63) | Propylbenzene | 20.19 | 91 | 22603 | 0.938 | ppbv | 97 |
| 64) | 4-Ethyltoluene | 20.33 | 105 | 10164 | 0.867 | ppbv | 98 |
| 65] | m,p-Xylene | 18.70 | 106 | 8597 | 1.736 | ppbv | 97 |
| 66] | o-Xylene | 19.15 | 106 | 3880 | 0.923 | ppbv | 95 |
| 67) | Styrene | 19.05 | 104 | 5592 | 0.914 | ppbv | 97 |
| 68) | Bromoform | 18.80 | 173 | 7554 | 1.007 | ppbv | 95 |
| 70] | Benzyl chloride | 20.95 | 91 | 9906 | 0.917 | ppbv | 92 |
| 71) | 1,3,5-Trimethylbenzene | 20.39 | 105 | 9363 | 0.885 | ppbv | 95 |
| 72) | 1,2,4-Trimethylbenzene | 20.81 | 105 | 8057 | 0.862 | ppbv | 95 |
| 73] | 1,3-Dichlorobenzene | 20.99 | 146 | 7636 | 0.909 | ppbv | 90 |
| 74] | 1,4-Dichlorobenzene | 21.05 | 146 | 7174 | 0.910 | ppbv | 91 |
| 75] | 1,2-Dichlorobenzene | 21.41 | 146 | 7380 | 0.909 | ppbv | 96 |
| 76) | 1,2,4-Trichlorobenzene | 23.67 | 180 | 5534 | 0.869 | ppbv | 96 |
| 77] | Naphthalene | 23.86 | 128 | 7918 | 0.799 | ppbv | 99 |
| 78] | Hexachlorobutadiene | 24.44 | 225 | 8189 | 0.931 | ppbv | 99 |

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

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 Operator : bat
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 Misc : T5
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS7

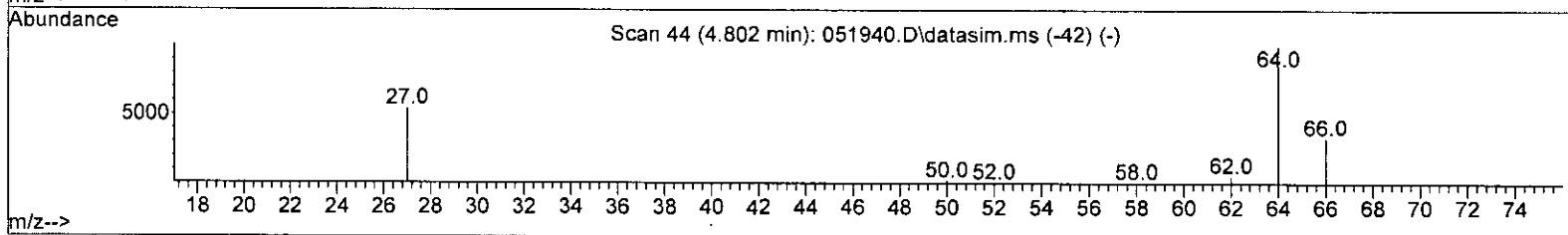
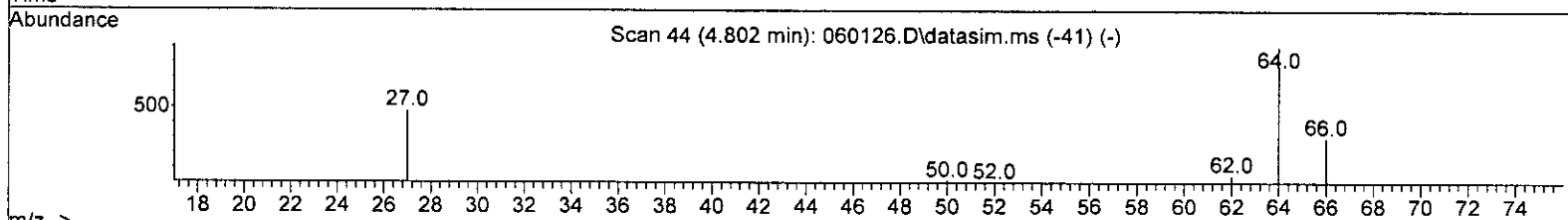
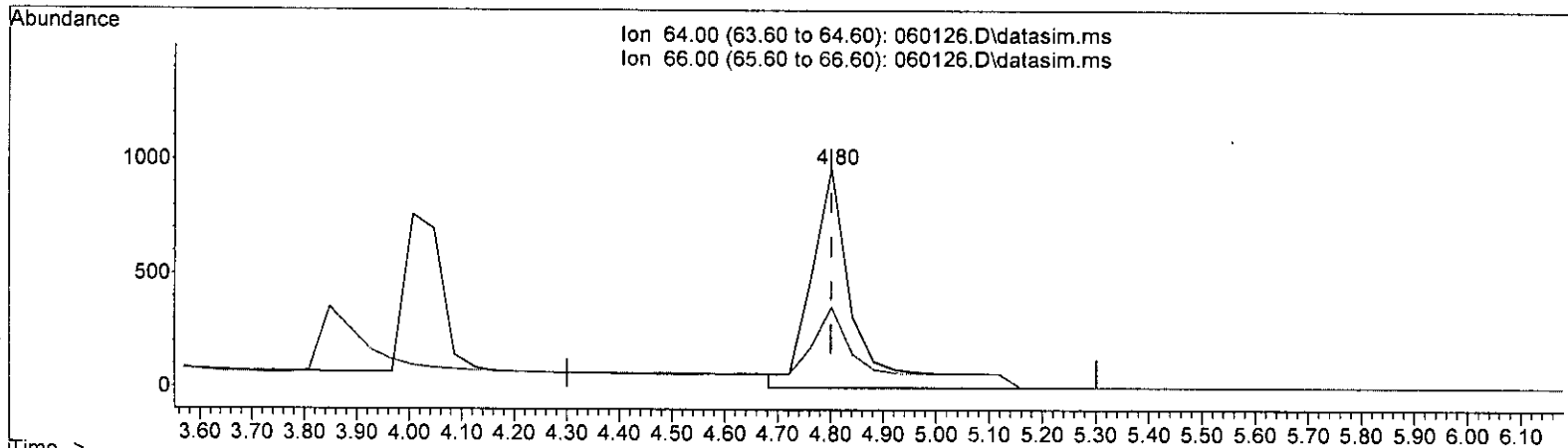
Quant Time: Jun 06 13:06:51 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

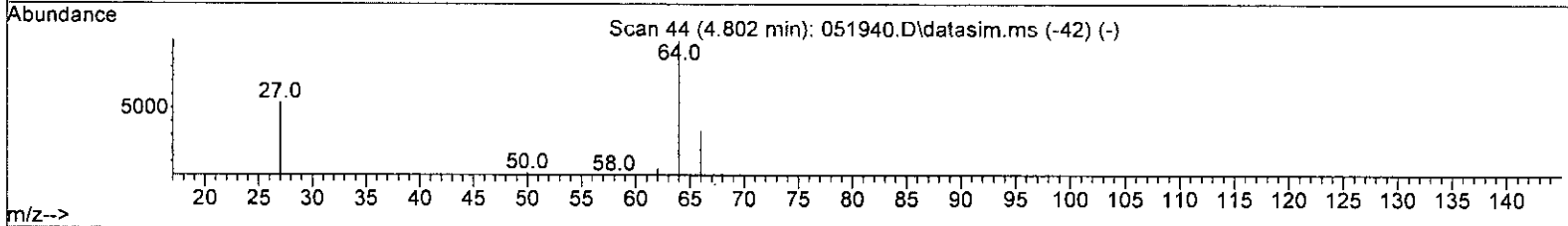
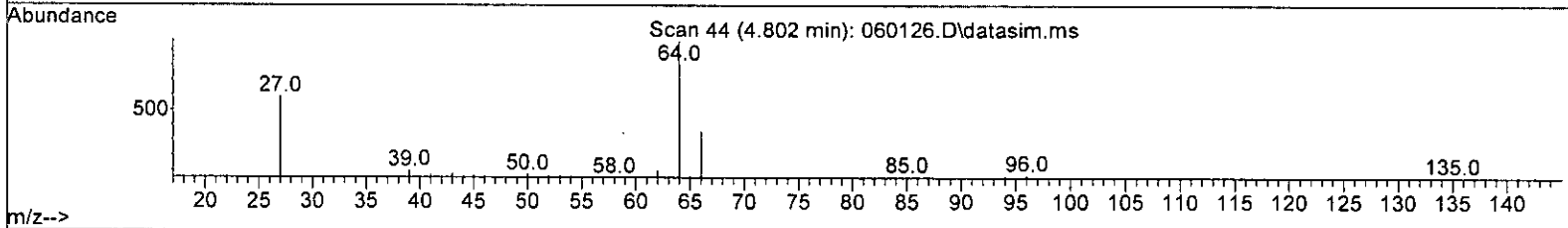
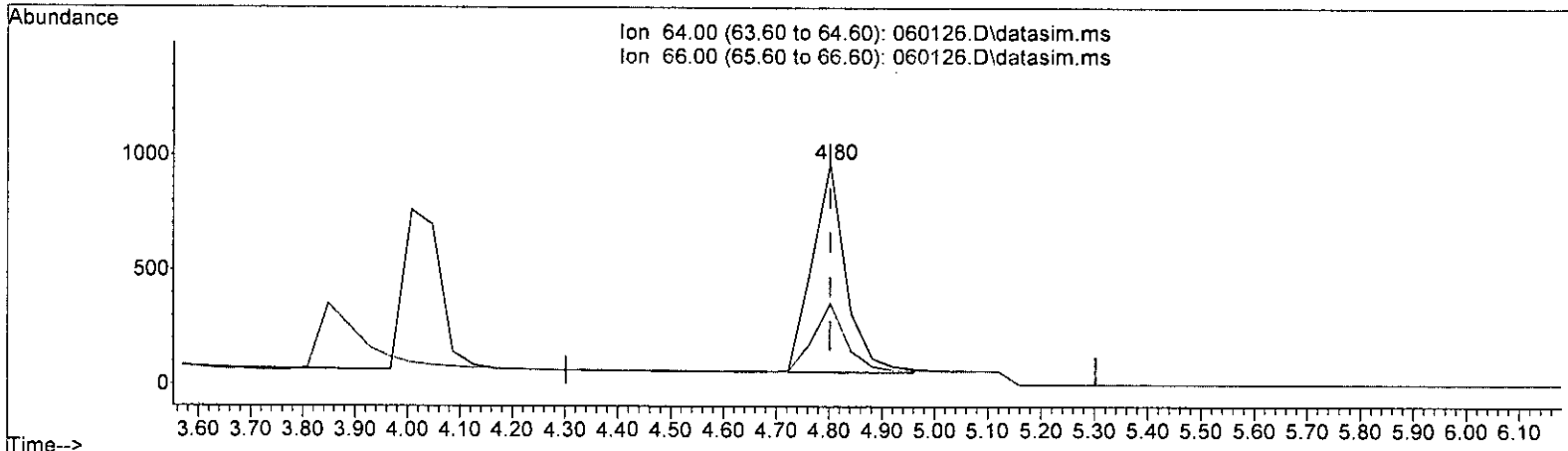
| (10) Chloroethane (TMP) | | |
|-------------------------|----------|---------------|
| Time | Response | Concentration |
| 4.802min (+ 0.000) | 5309 | 3.787 ppbv |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. G. Sun

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

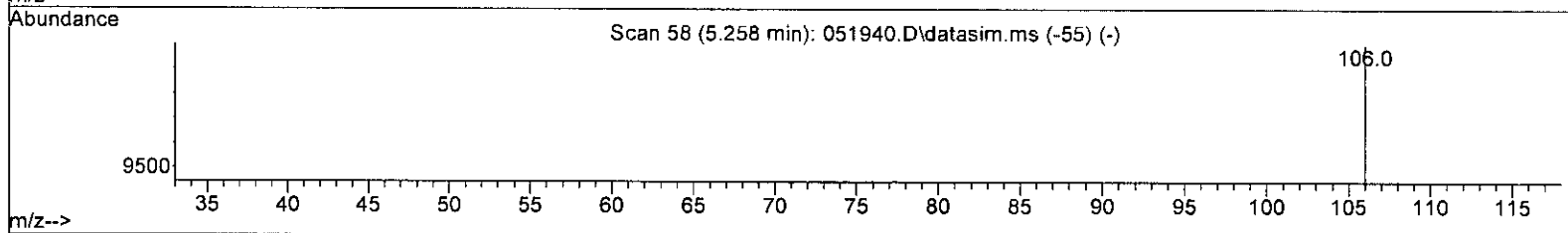
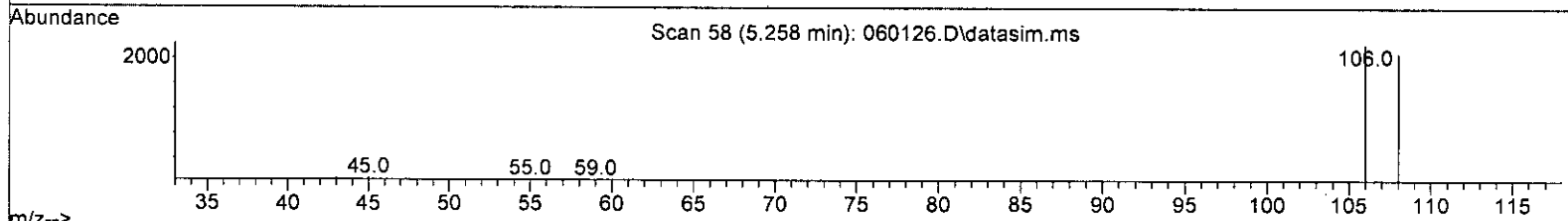
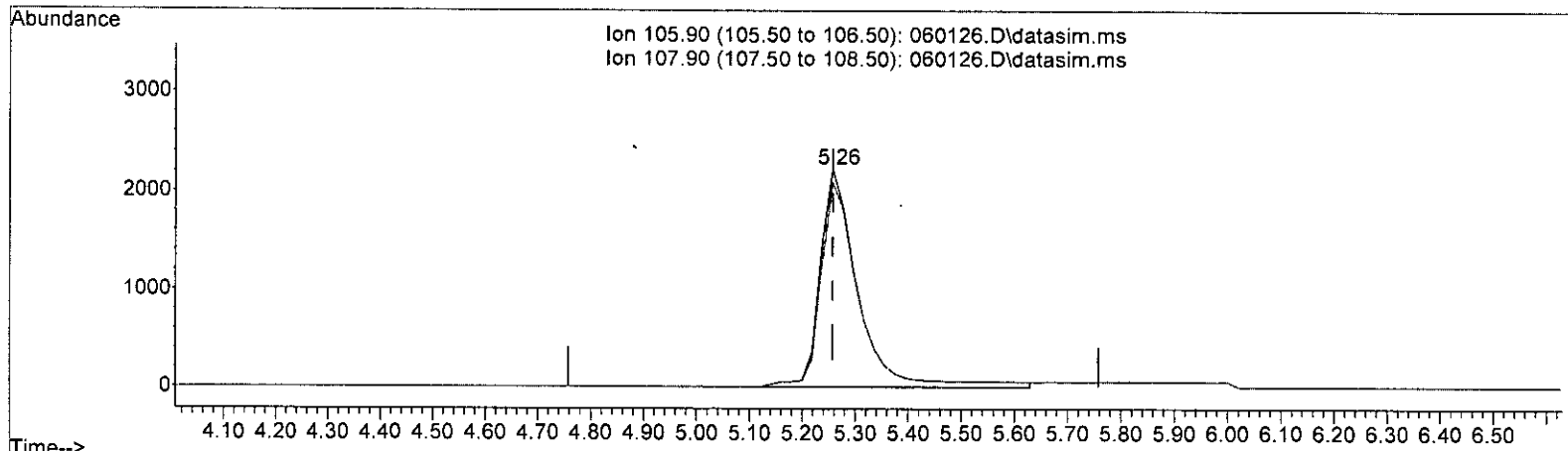
| (10) Chloroethane (TMP) | | |
|---------------------------------|--------|--------|
| 4.802min (+ 0.000) 2.849 ppbv m | | |
| response | 3994 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

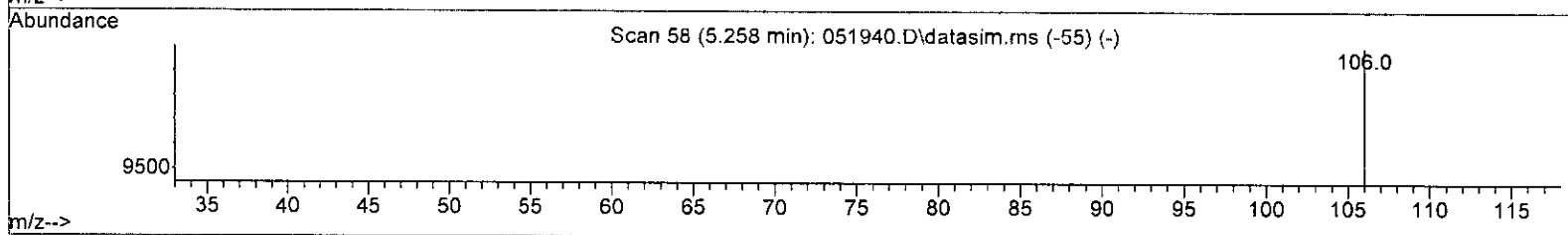
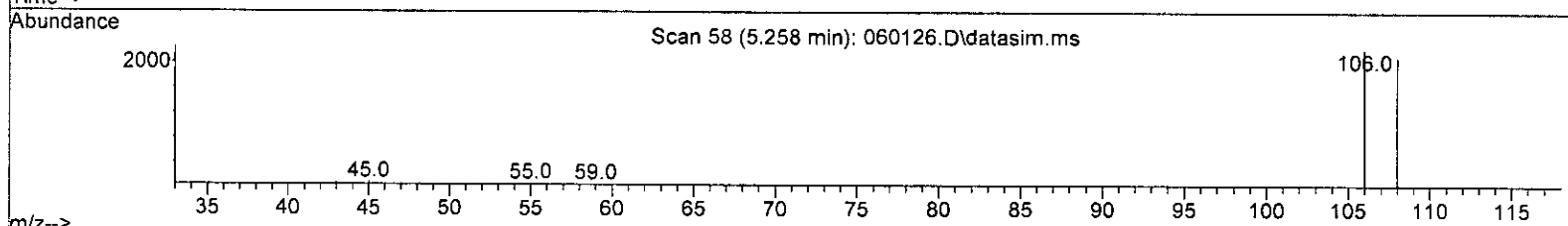
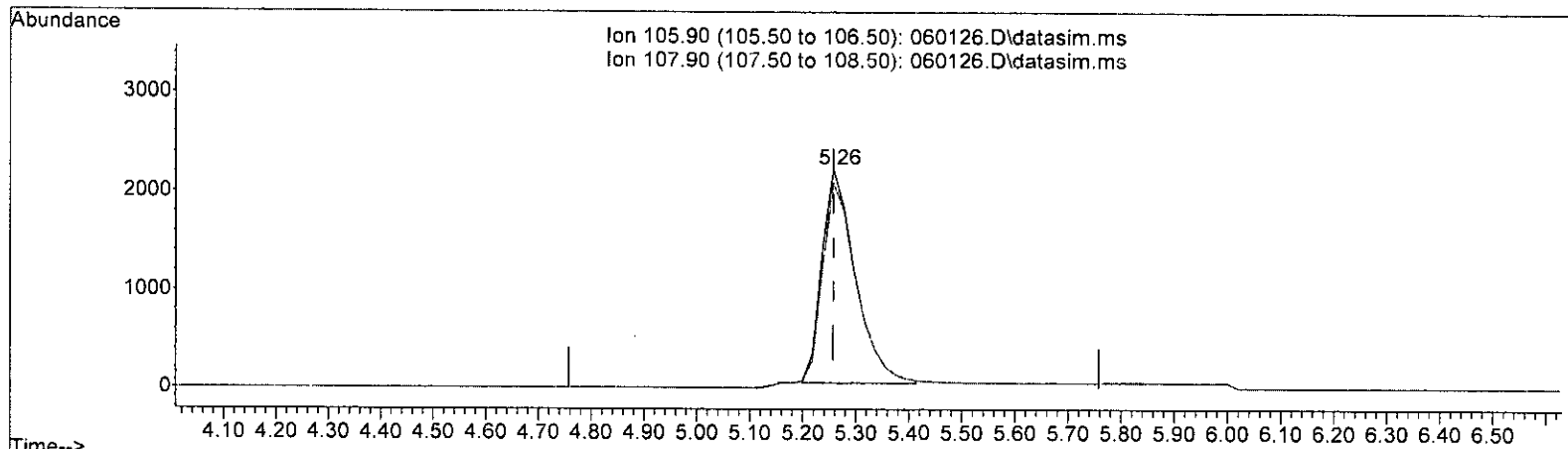
| (11) Vinyl bromide (TMB) | | |
|--------------------------|--------|--------|
| 5.258min (-0.000) | 3.557 | ppbv |
| response | 12037 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 95.86 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
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 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
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TIC: 060126.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 2.832 ppbv m

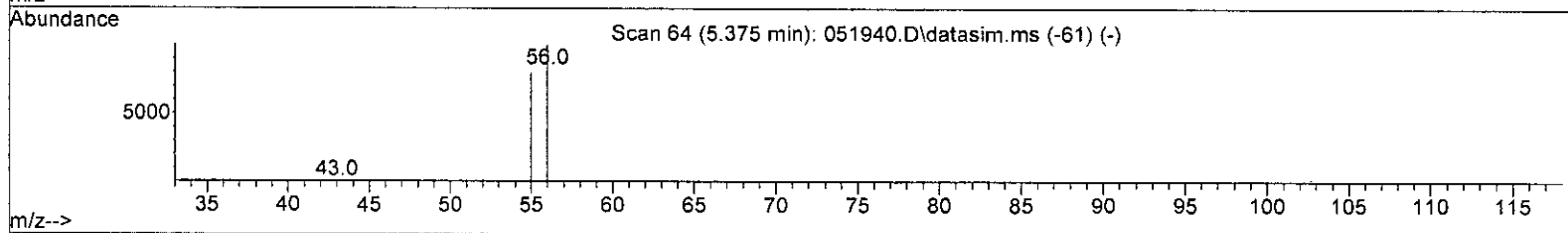
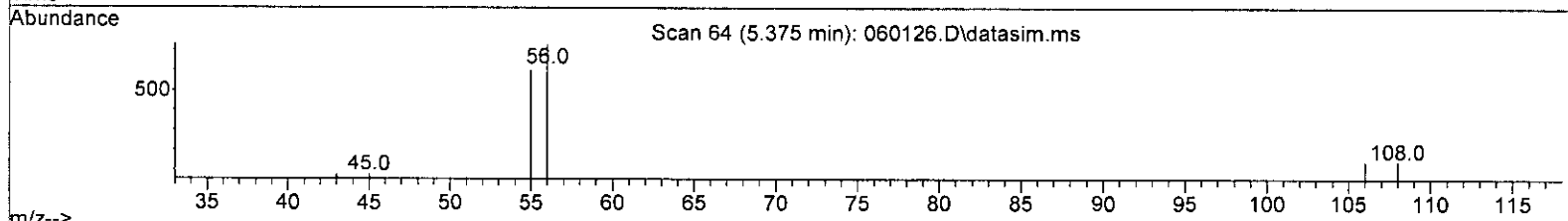
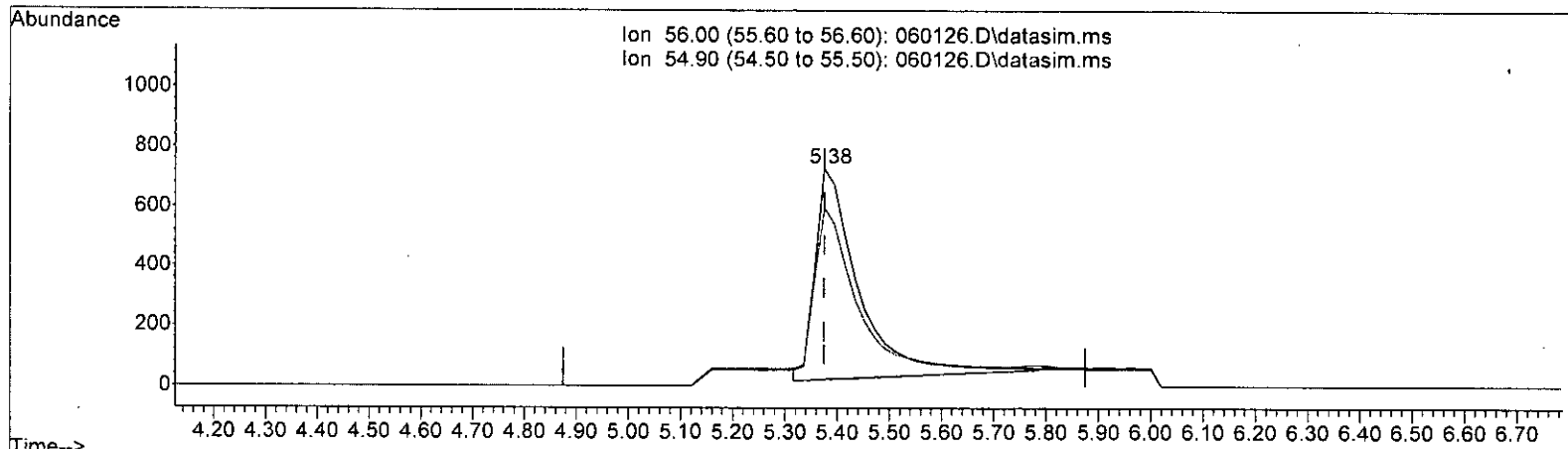
| response | 9582 | | |
|----------|--------|---------|--|
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 120.42# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

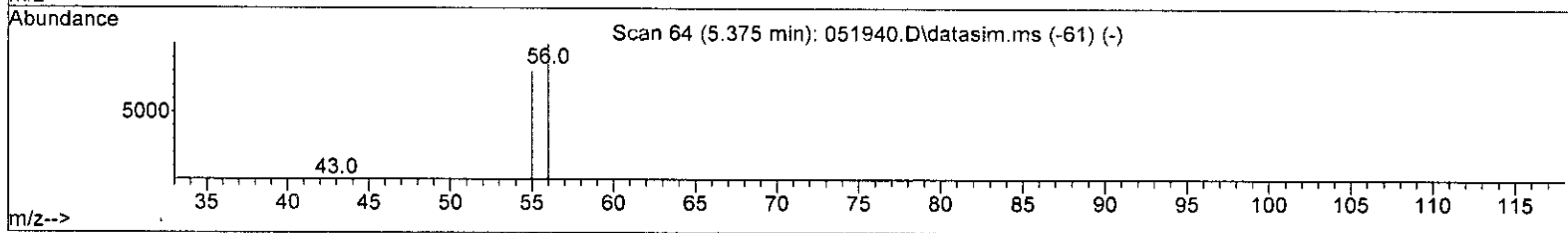
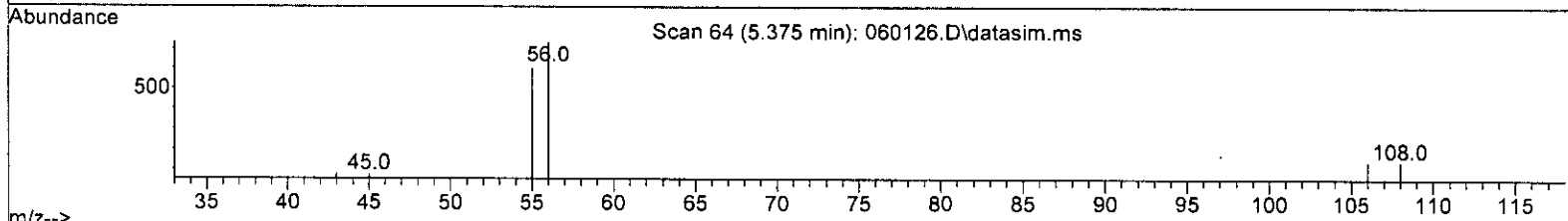
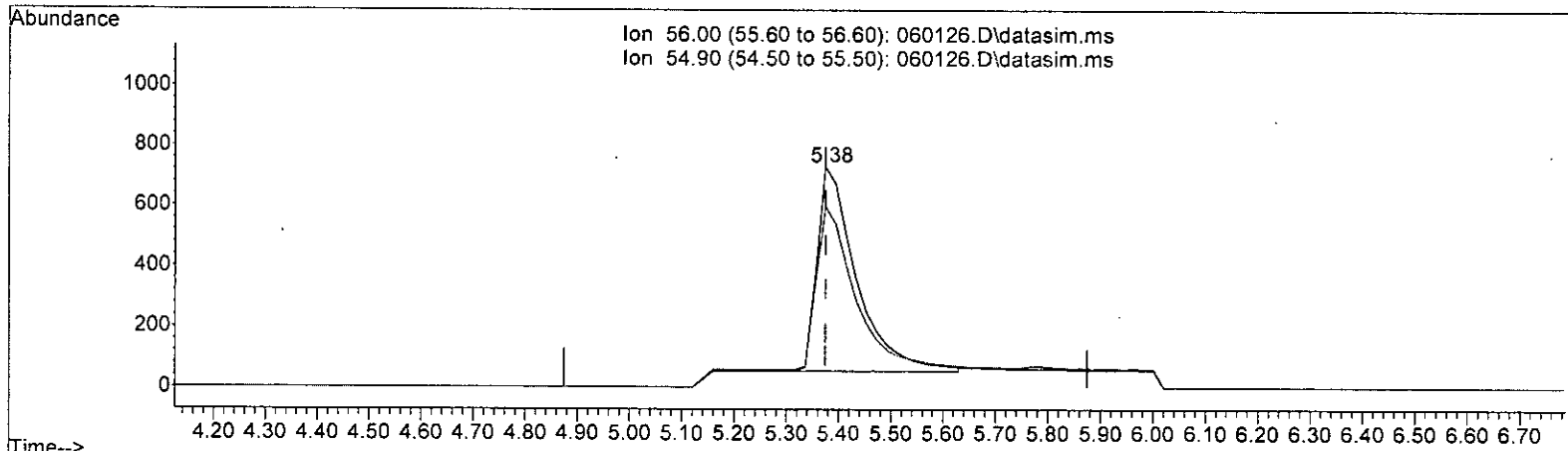
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 3.004 | ppbv |
| response | 4082 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 82.34 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

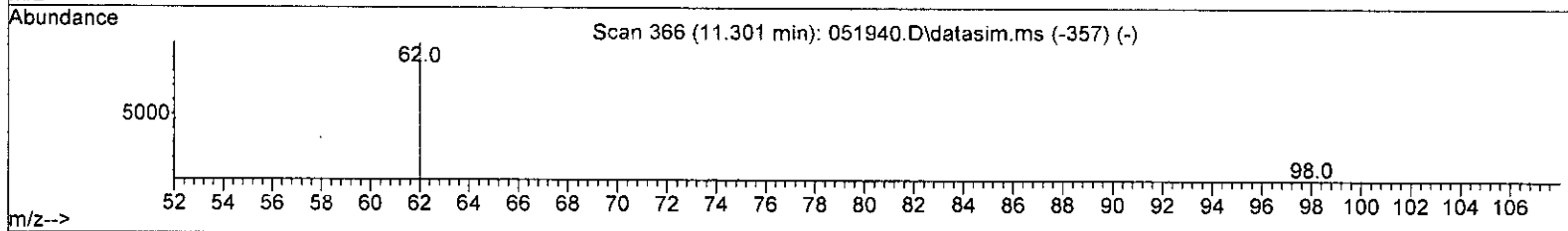
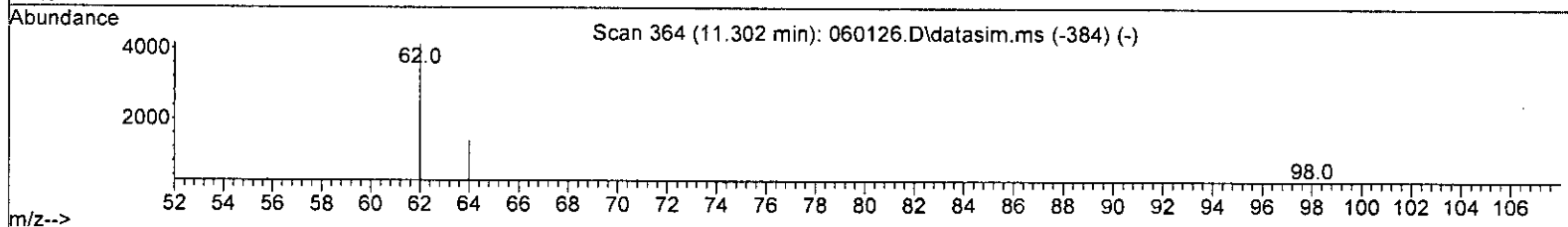
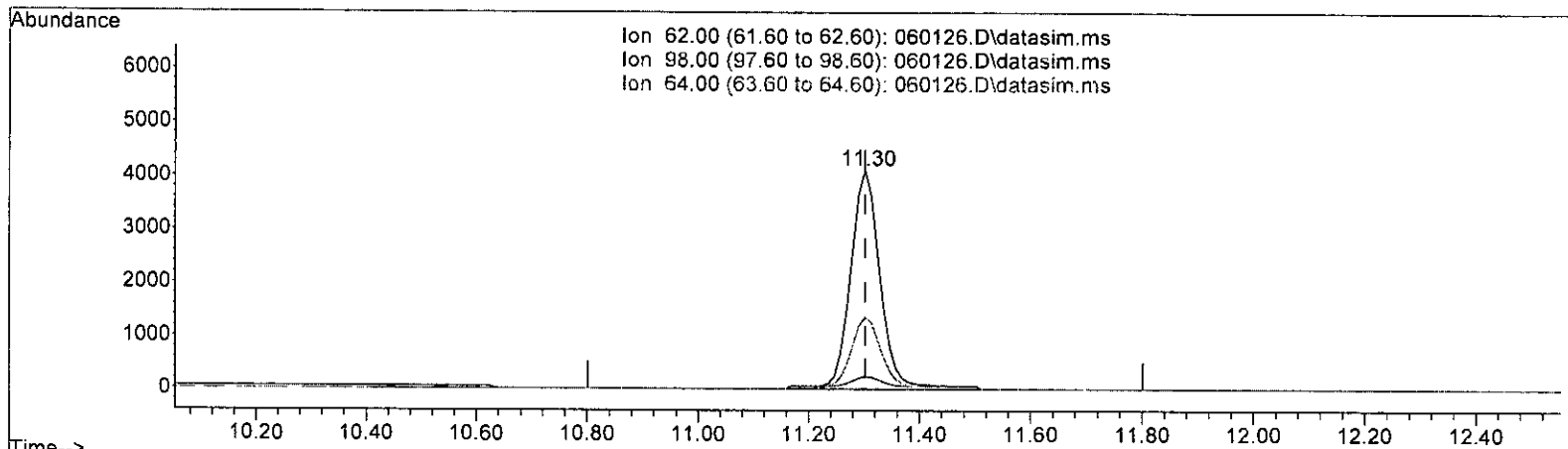
| (13) Acrolein (TMP) | | |
|---------------------|--------------|--------|
| 5.375min (+ 0.000) | 2.585 ppbv m | |
| response | 3513 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 95.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

SLC am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

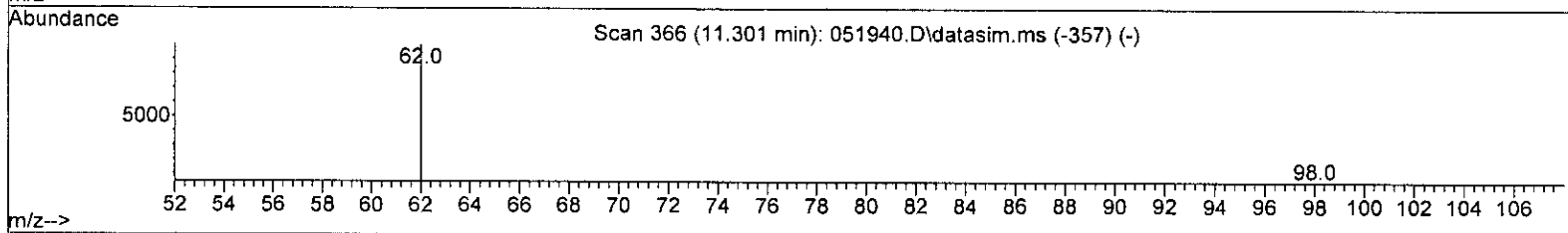
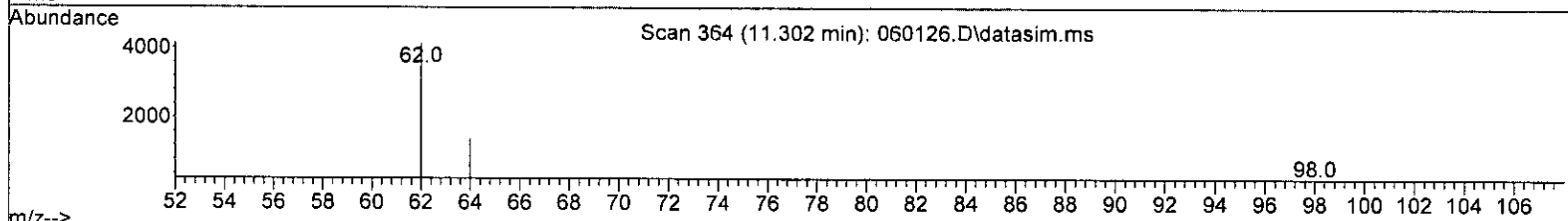
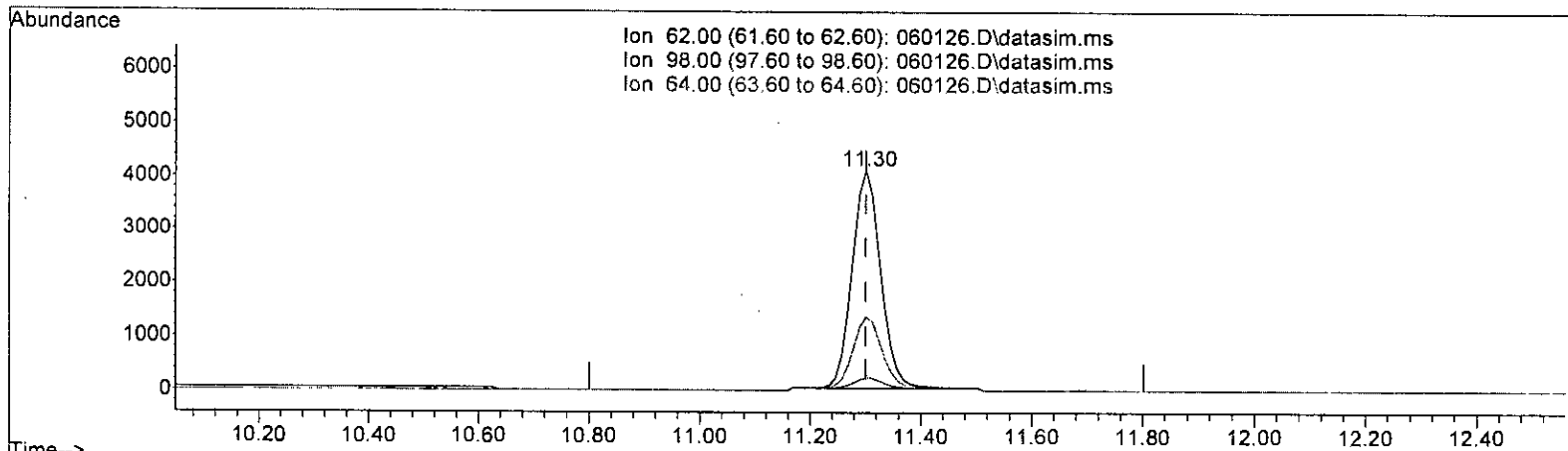
| (34) 1,2-Dichloroethane (DC) (TMP) | | |
|------------------------------------|--------|--------|
| 11.302min (+ 0.000) | 2.942 | ppbv |
| response | 15445 | |
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.99 |
| 64.00 | 33.00 | 33.24 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. G. G.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.767 ppbv m

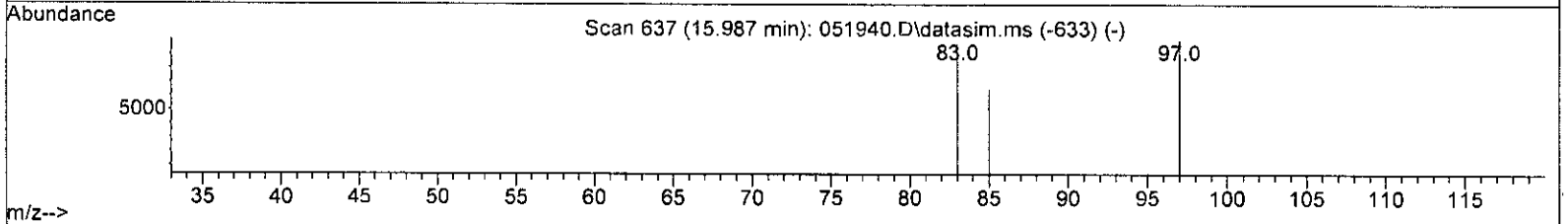
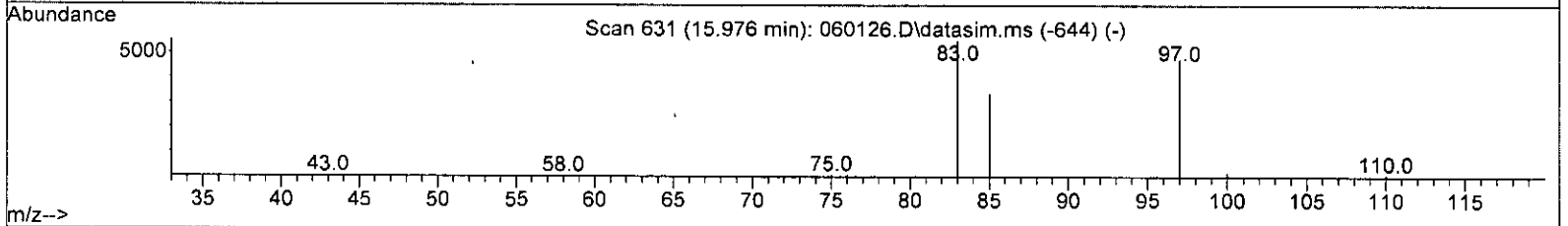
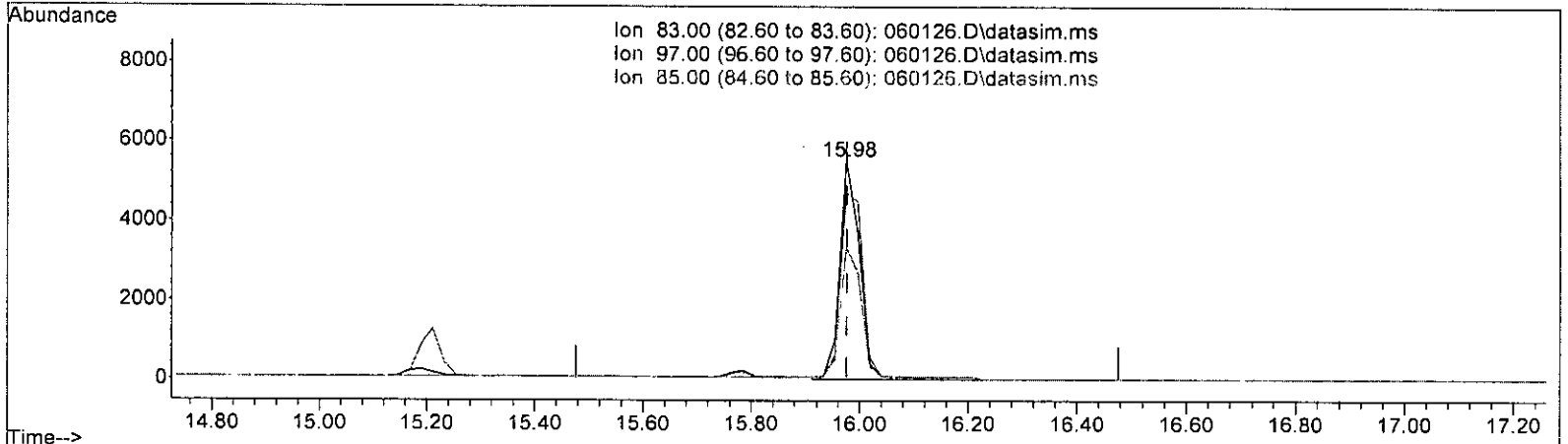
| response | 14523 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 5.99 |
| 64.00 | 33.00 33.24 |
| 0.00 | 0.00 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

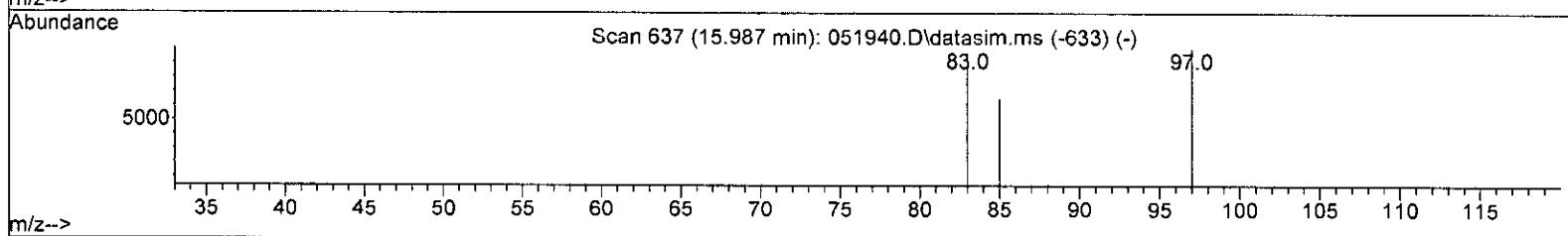
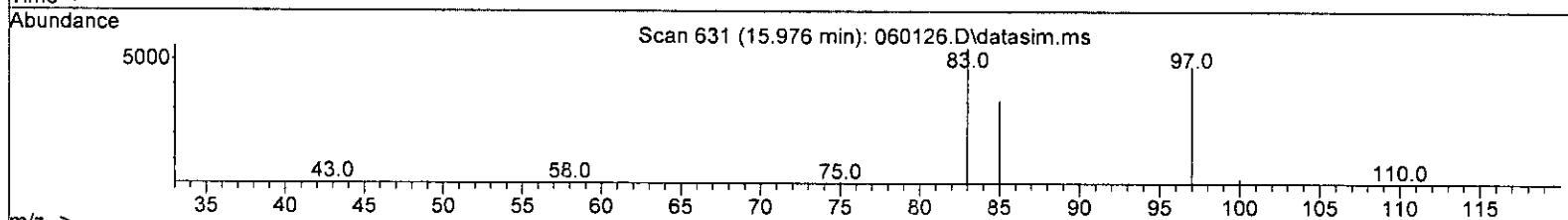
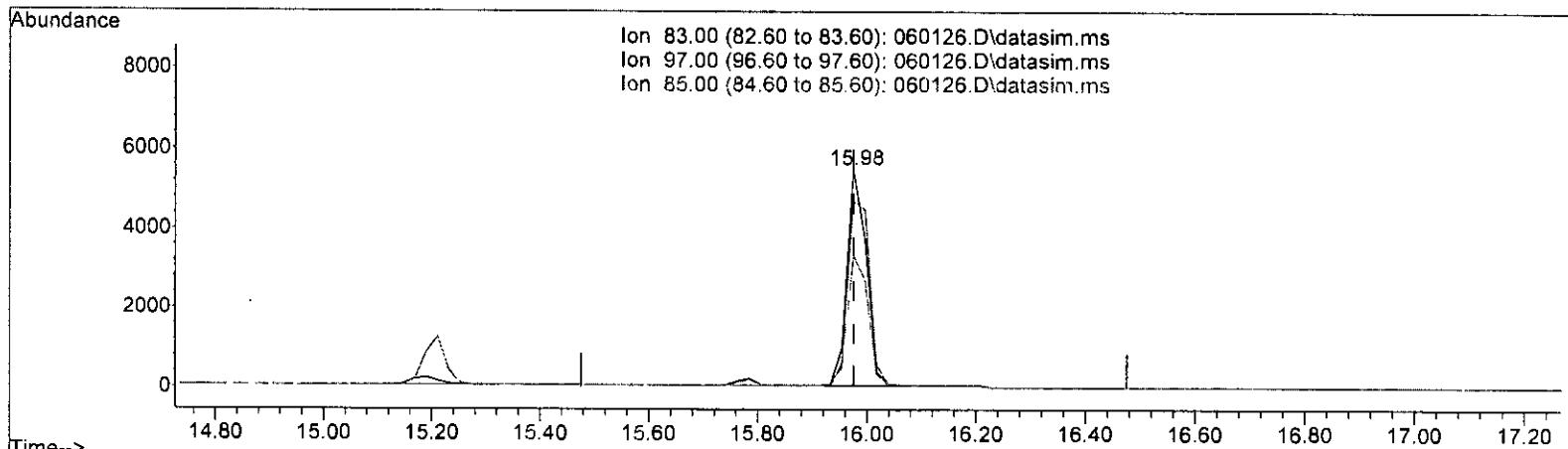
| (51) 1,1,2-Trichloroethane (TMP) | | |
|----------------------------------|--------|--------|
| 15.976min (-0.001) | 2.909 | ppbv |
| response | 14560 | |
| Ion | Exp% | Act% |
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 85.93 |
| 85.00 | 60.50 | 60.72 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

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

15.976min (-0.001) 2.661 ppbv m

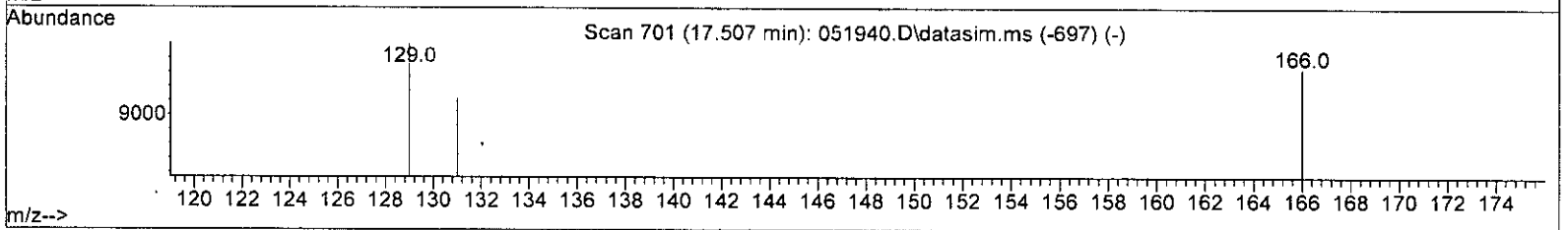
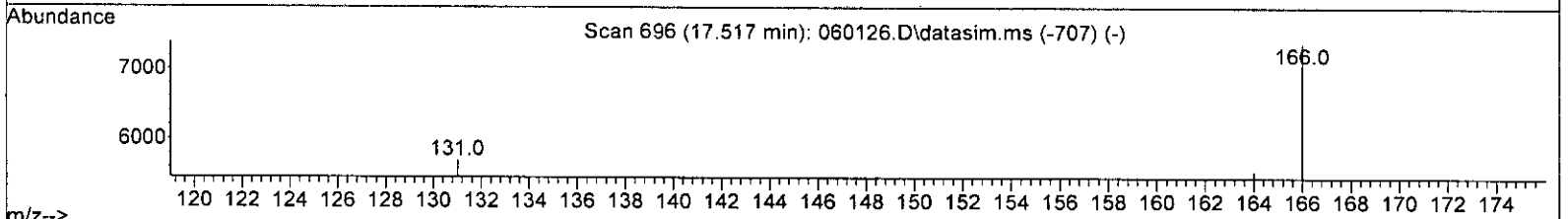
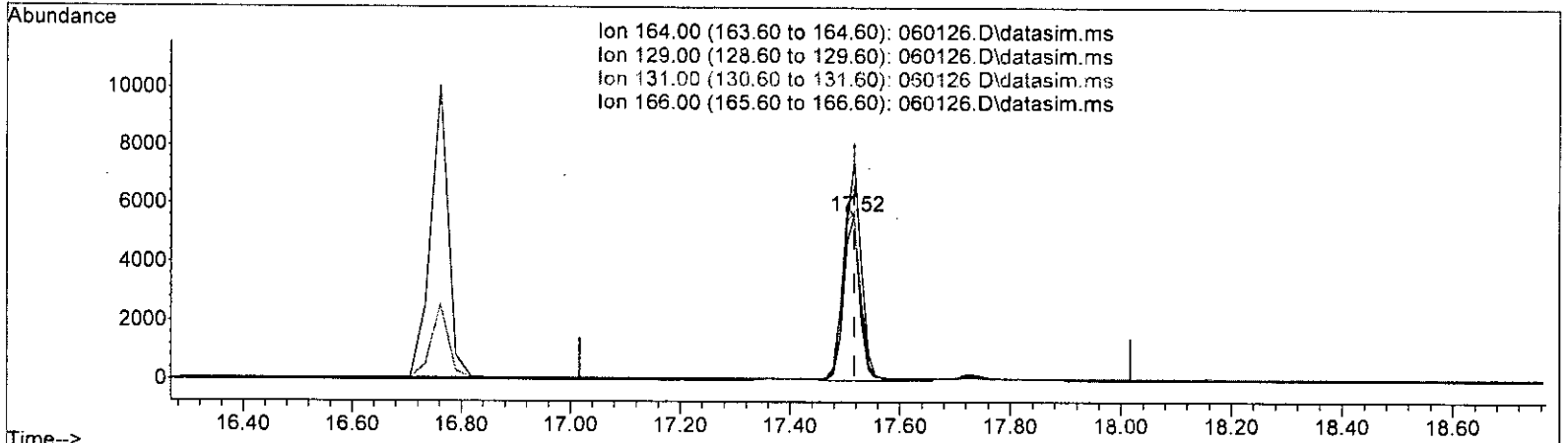
| response | 13320 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 85.93 |
| 85.00 | 60.50 60.72 |
| 0.00 | 0.00 0.00 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 2.887 ppbv

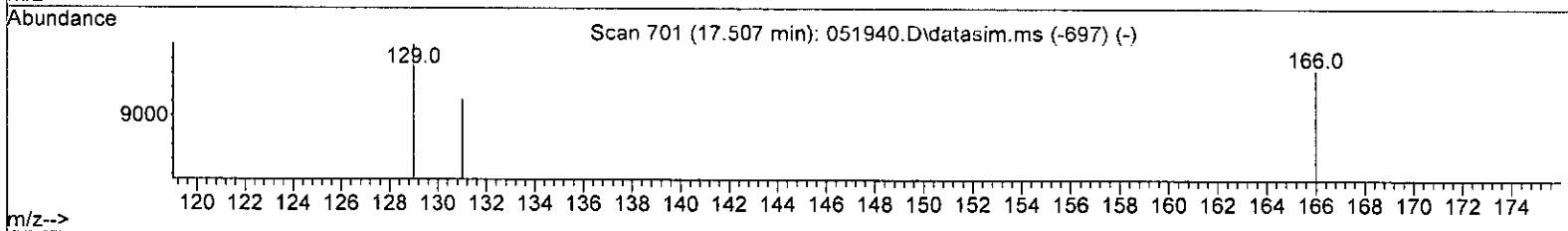
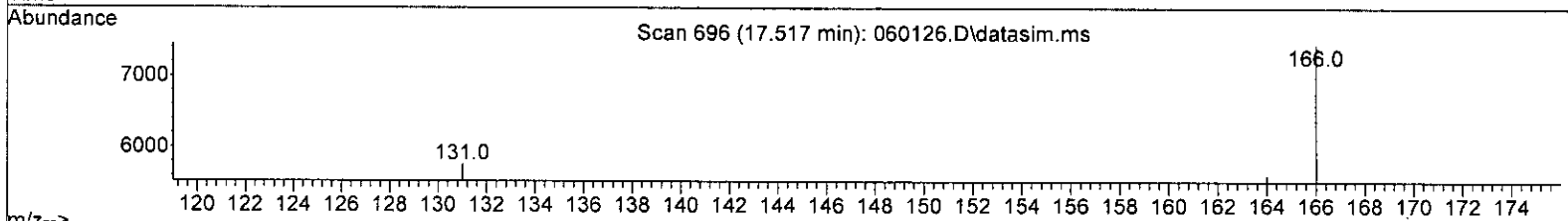
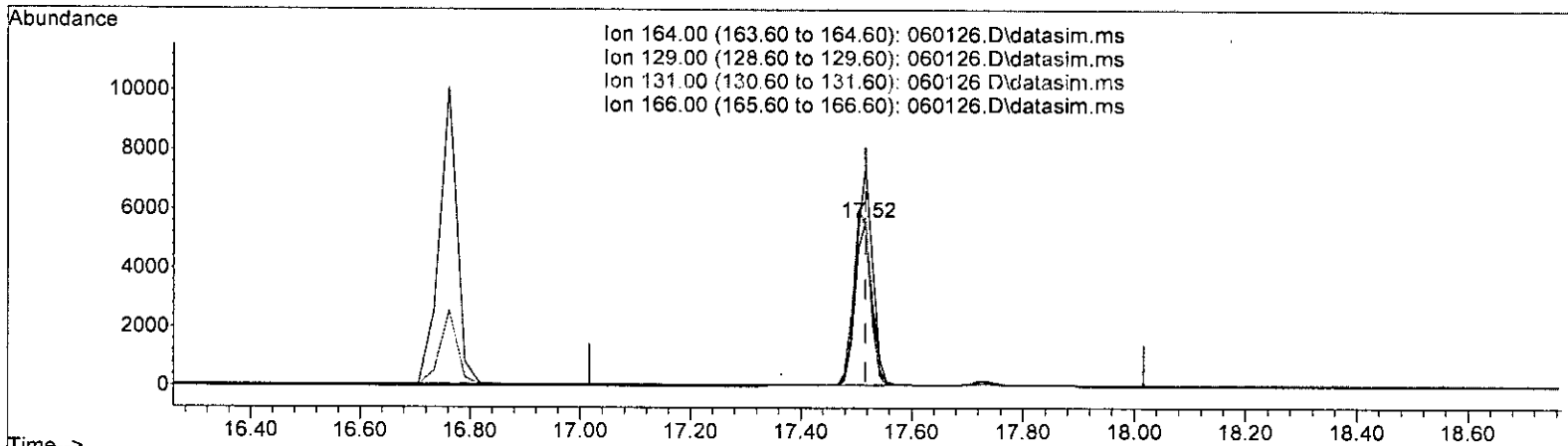
| response | 12245 |
|----------|---------------|
| Ion | Exp% Act% |
| 164.00 | 100.00 100.00 |
| 129.00 | 93.20 98.49 |
| 131.00 | 100.70 102.61 |
| 166.00 | 137.50 133.17 |

6/6 Jan

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 2.738 ppbv m

response 11610

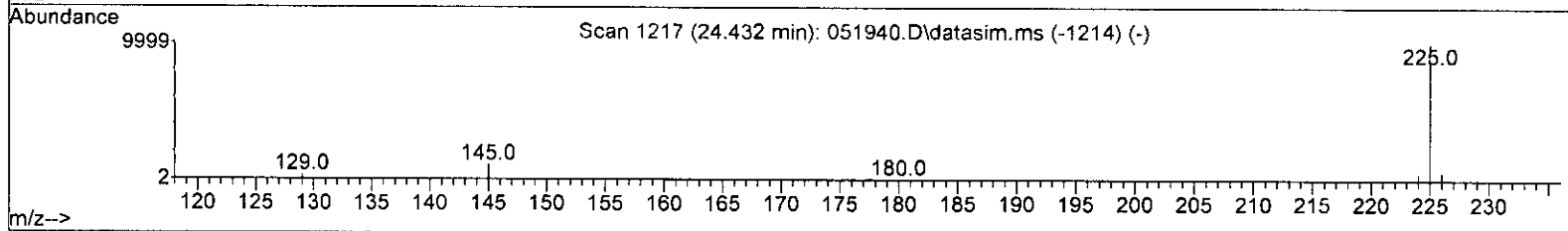
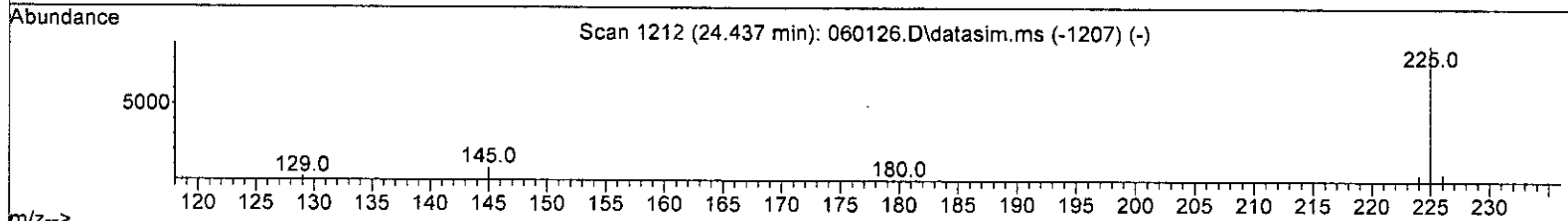
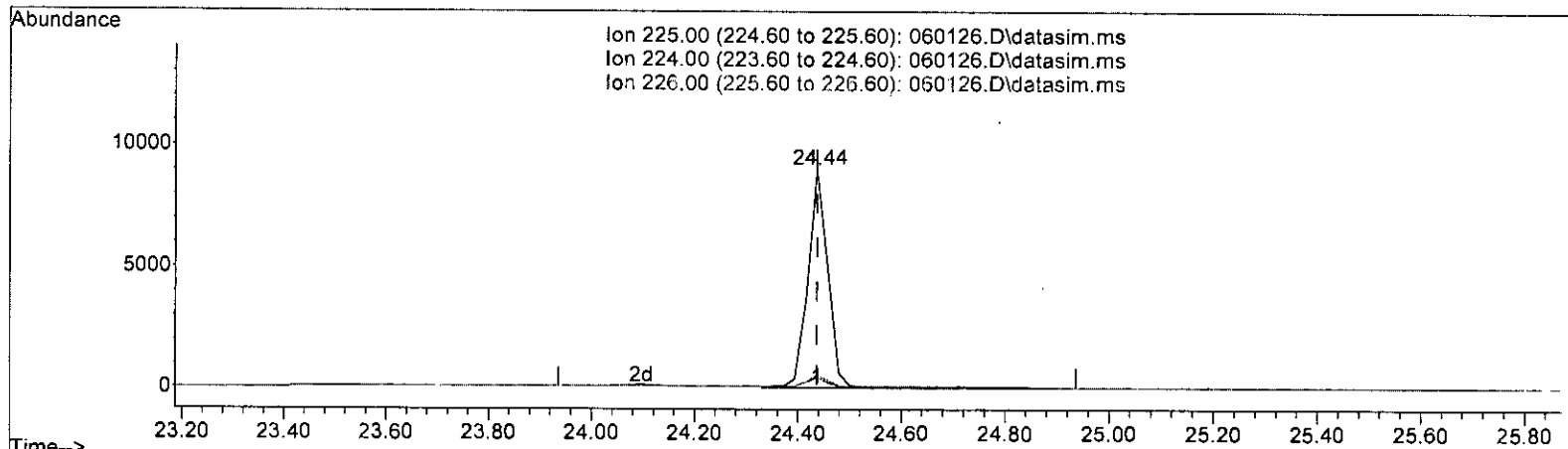
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 98.52 |
| 131.00 | 100.70 | 102.61 |
| 166.00 | 137.50 | 132.87 |

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Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

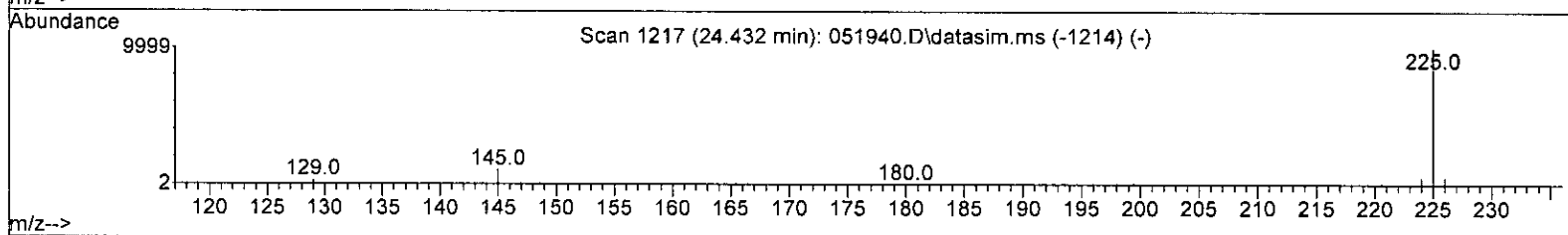
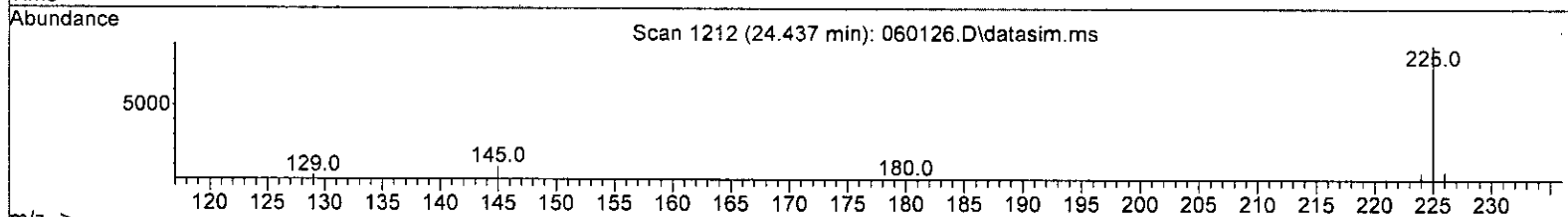
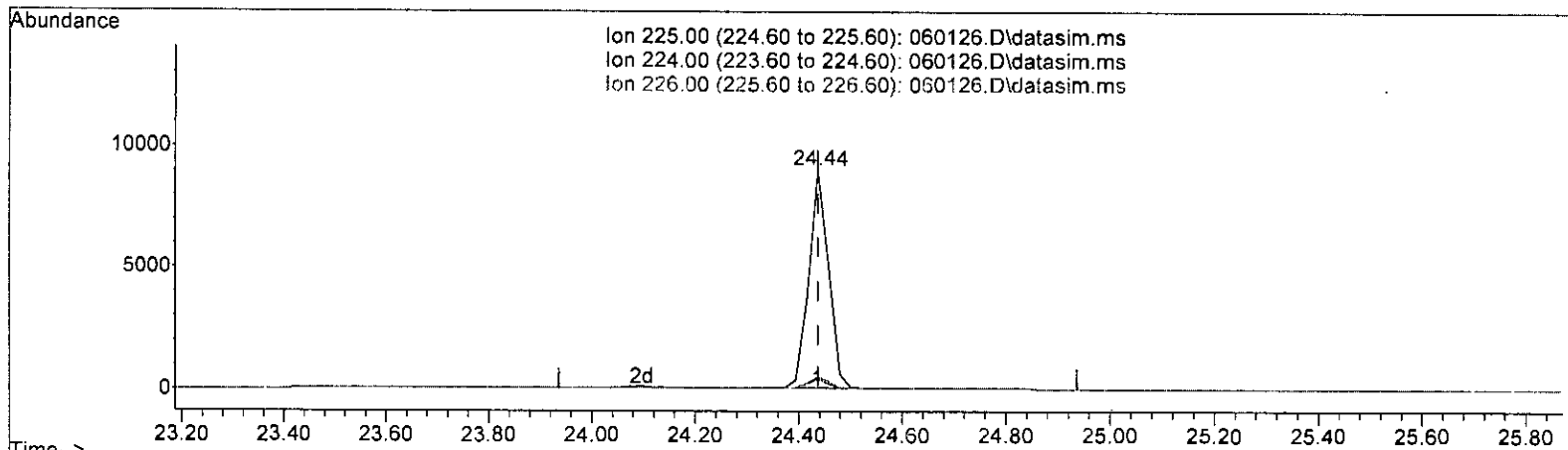
| (78) Hexachlorobutadiene (TMP) | | |
|--------------------------------|--------|--------|
| 24.437min (-0.000) | 2.870 | ppbv |
| response | 24437 | |
| Ion | Exp% | Act% |
| 225.00 | 100.00 | 100.00 |
| 224.00 | 3.70 | 4.90 |
| 226.00 | 5.20 | 5.90 |
| 0.00 | 0.00 | 0.00 |

6/6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060126.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.437min (-0.000) 2.745 ppbv m

| response | 23372 | | |
|----------|--------|--------|------------|
| Ion | Exp% | Act% | |
| 225.00 | 100.00 | 100.00 | <i>6/6</i> |
| 224.00 | 3.70 | 4.90 | |
| 226.00 | 5.20 | 5.90 | |
| 0.00 | 0.00 | 0.00 | |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 2.500 | 2.654 | -6.2 | 100 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 2.500 | 3.131 | -25.2 | 100 | 0.00 |
| 4 TMP | Chloromethane | 2.500 | 2.814 | -12.6 | 100 | 0.00 |
| 5 TMP | F-114 | 2.500 | 3.064 | -22.6 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 2.500 | 2.871 | -14.8 | 100 | 0.00 |
| 7 TMP | 1,3-Butadiene | 2.500 | 2.768 | -10.7 | 100 | 0.00 |
| 8 TMP | Butane | 2.500 | 2.882 | -15.3 | 100 | 0.00 |
| 9 TMP | Bromomethane | 2.500 | 3.046 | -21.8 | 100 | 0.00 |
| 10 TMP | Chloroethane | 2.500 | 2.849 | -14.0 | 101 | 0.00 |
| 11 TMP | Vinyl bromide | 2.500 | 2.832 | -13.3 | 98 | 0.00 |
| 12 TMP | Ethanol | 2.500 | 3.130 | -25.2 | 100 | 0.00 |
| 13 TMP | Acrolein | 2.500 | 2.585 | -3.4 | 103 | 0.00 |
| 14 TMP | Pentane | 2.500 | 2.771 | -10.8 | 100 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 2.500 | 3.174 | -27.0 | 100 | 0.00 |
| 16 TMP | Acetone | 2.500 | 2.837 | -13.5 | 100 | 0.00 |
| 17 TMP | 2-Propanol | 2.500 | 2.947 | -17.9 | 100 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 2.500 | 2.794 | -11.8 | 100 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 2.500 | 2.833 | -13.3 | 100 | 0.00 |
| 20 TMP | Methylene chloride | 2.500 | 2.864 | -14.6 | 100 | 0.00 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.500 | 2.844 | -13.8 | 100 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.500 | 2.826 | -13.0 | 100 | 0.00 |
| 23 TMP | CFC-113 | 2.500 | 3.037 | -21.5 | 100 | 0.00 |
| 24 TMP | Carbon disulfide | 2.500 | 2.885 | -15.4 | 100 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 2.500 | 2.923 | -16.9 | 100 | 0.00 |
| 26 TMP | Vinyl acetate | 2.500 | 2.793 | -11.7 | 100 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 2.500 | 2.853 | -14.1 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 2.500 | 2.751 | -10.0 | 100 | 0.00 |
| 29 TMP | Hexane | 2.500 | 2.907 | -16.3 | 100 | 0.00 |
| 30 TMP | Chloroform | 2.500 | 2.764 | -10.6 | 100 | 0.00 |
| 31 TMP | Ethyl acetate | 2.500 | 2.829 | -13.2 | 100 | 0.00 |
| 32 TMP | Tetrahydrofuran | 2.500 | 2.833 | -13.3 | 100 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 2.500 | 2.770 | -10.8 | 100 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.500 | 2.767 | -10.7 | 100 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 2.500 | 2.879 | -15.2 | 100 | 0.00 |
| 36 TMP | Carbon tetrachloride | 2.500 | 2.886 | -15.4 | 100 | 0.00 |
| 37 TMP | Benzene | 2.500 | 2.745 | -9.8 | 102 | 0.00 |
| 38 TMP | Cyclohexane | 2.500 | 2.926 | -17.0 | 100 | 0.00 |
| 39 I | 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 2.500 | 2.782 | -11.3 | 103 | 0.00 |
| 41 TMP | 1,4-Dioxane | 2.500 | 2.682 | -7.3 | 100 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 2.500 | 2.798 | -11.9 | 100 | 0.00 |
| 43 TMP | Methyl methacrylate | 2.500 | 2.734 | -9.4 | 100 | 0.00 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 55 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----|-------------------------------|--------|--------|-------|-------|----------|
| 44 | TMP Heptane | 2.500 | 2.735 | -9.4 | 100 | 0.00 |
| 45 | TMP Bromodichloromethane | 2.500 | 2.775 | -11.0 | 100 | 0.00 |
| 46 | TMP Trichloroethene | 2.500 | 2.744 | -9.8 | 100 | 0.00 |
| 47 | TMP cis-1,3-Dichloropropene | 2.500 | 2.802 | -12.1 | 100 | 0.00 |
| 48 | TMP 4-Methyl-2-pentanone | 2.500 | 2.660 | -6.4 | 100 | 0.00 |
| 49 | TMP trans-1,3-Dichloropropene | 2.500 | 2.686 | -7.4 | 100 | 0.00 |
| 50 | TMP Toluene | 2.500 | 2.674 | -7.0 | 105 | 0.00 |
| 51 | TMP 1,1,2-Trichloroethane | 2.500 | 2.661 | -6.4 | 100 | 0.00 |
| 52 | TMP 2-Hexanone | 2.500 | 2.629 | -5.2 | 100 | 0.00 |
| 53 | TMP Tetrachloroethene | 2.500 | 2.738 | -9.5 | 95 | 0.00 |
| 54 | TMP Dibromochloromethane | 2.500 | 2.721 | -8.8 | 100 | 0.00 |
| 55 | TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.725 | -9.0 | 102 | 0.00 |
| 56 | I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 | TMP Chlorobenzene | 2.500 | 2.881 | -15.2 | 100 | 0.00 |
| 58 | TMP Ethylbenzene | 2.500 | 2.649 | -6.0 | 100 | 0.00 |
| 59 | TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.706 | -8.2 | 100 | 0.00 |
| 60 | TMP Nonane | 2.500 | 2.787 | -11.5 | 100 | 0.00 |
| 61 | TMP Isopropylbenzene | 2.500 | 2.759 | -10.4 | 100 | 0.00 |
| 62 | TMP 2-Chlorotoluene | 2.500 | 2.757 | -10.3 | 100 | 0.00 |
| 63 | TMP Propylbenzene | 2.500 | 2.761 | -10.4 | 100 | 0.00 |
| 64 | TMP 4-Ethyltoluene | 2.500 | 2.708 | -8.3 | 100 | 0.00 |
| 65 | TMP m,p-Xylene | 5.000 | 5.115 | -2.3 | 100 | 0.00 |
| 66 | TMP o-Xylene | 2.500 | 2.741 | -9.6 | 101 | 0.00 |
| 67 | TMP Styrene | 2.500 | 2.798 | -11.9 | 100 | 0.00 |
| 68 | TMP Bromoform | 2.500 | 2.671 | -6.8 | 100 | 0.00 |
| 69 | S 4-Bromofluorobenzene | 10.000 | 10.146 | -1.5 | 100 | 0.00 |
| 70 | TMP Benzyl chloride | 2.500 | 2.795 | -11.8 | 101 | 0.00 |
| 71 | TMP 1,3,5-Trimethylbenzene | 2.500 | 2.741 | -9.6 | 100 | 0.00 |
| 72 | TMP 1,2,4-Trimethylbenzene | 2.500 | 2.801 | -12.0 | 100 | 0.00 |
| 73 | TMP 1,3-Dichlorobenzene | 2.500 | 2.783 | -11.3 | 100 | 0.00 |
| 74 | TMP 1,4-Dichlorobenzene | 2.500 | 2.737 | -9.5 | 100 | 0.00 |
| 75 | TMP 1,2-Dichlorobenzene | 2.500 | 2.790 | -11.6 | 100 | 0.00 |
| 76 | TMP 1,2,4-Trichlorobenzene | 2.500 | 2.583 | -3.3 | 100 | 0.00 |
| 77 | TMP Naphthalene | 2.500 | 2.444 | 2.2 | 100 | 0.00 |
| 78 | TMP Hexachlorobutadiene | 2.500 | 2.745 | -9.8 | 99 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.373 | -6.2 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 5.394 | -25.2 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.853 | -12.6 | 100 | 0.00 |
| 5 TMP F-114 | 4.259 | 5.221 | -22.6 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 2.124 | -14.9 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.341 | -10.7 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.814 | -15.3 | 100 | 0.00 |
| 9 TMP Bromomethane | 1.588 | 1.936 | -21.9 | 100 | 0.00 |
| 10 TMP Chloroethane | 0.685 | 0.781 | -14.0 | 101 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.874 | -13.2 | 98 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.797 | -25.1 | 100 | 0.00 |
| 13 TMP Acrolein | 0.664 | 0.687 | -3.5 | 103 | 0.00 |
| 14 TMP Pentane | 2.765 | 3.065 | -10.8 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 5.670 | -27.0 | 100 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.782 | -13.5 | 100 | 0.00 |
| 17 TMP 2-Propanol | 3.342 | 3.940 | -17.9 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.773 | -11.7 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.777 | -13.3 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.701 | -14.5 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 3.352 | -13.8 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.449 | -13.0 | 100 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 4.126 | -21.5 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 5.821 | -15.4 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 4.168 | -16.9 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.840 | -11.7 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.892 | -14.1 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.875 | -10.0 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 2.406 | -16.2 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 4.428 | -10.6 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 4.451 | -13.2 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 2.092 | -13.3 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.672 | -10.9 | 100 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.840 | -10.7 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 4.004 | -15.2 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 4.083 | -15.5 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 6.001 | -9.8 | 102 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.586 | -17.0 | 100 | 0.00 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.669 | -11.3 | 103 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.284 | -7.2 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 2.023 | -11.9 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.604 | -9.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 S5 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.682 | -9.5 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.081 | -11.0 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.674 | -9.6 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.773 | -12.2 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.050 | -6.4 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.746 | -7.3 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.847 | -6.9 | 105 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.610 | -6.5 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 1.001 | -5.1 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.532 | -9.5 | 95 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 1.028 | -8.9 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.017 | -9.0 | 102 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.233 | -15.2 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.841 | -5.9 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.657 | -8.2 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.836 | -11.5 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.652 | -10.4 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.443 | -10.5 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.334 | -10.4 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.591 | -8.4 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.635 | -2.4 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.577 | -9.5 | 101 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.858 | -11.9 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 1.005 | -6.9 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.719 | -1.4 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.513 | -11.8 | 101 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.453 | -9.7 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.312 | -12.0 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.172 | -11.3 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.081 | -9.4 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.135 | -11.6 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.825 | -3.4 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.256 | -2.2 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.211 | -9.8 | 99 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20453 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 87285 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 77219 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 55530 | 10.146 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 101.50% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 7022 | 2.654 | ppbv | 81 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 27583 | 3.131 | ppbv | 98 |
| 4) Chloromethane | 3.69 | 50 | 9477 | 2.814 | ppbv | 96 |
| 5) F-114 | 3.88 | 85 | 26694 | 3.064 | ppbv | 92 |
| 6] Vinyl chloride | 4.01 | 62 | 10858 | 2.871 | ppbv | 96 |
| 7] 1,3-Butadiene | 4.21 | 54 | 6857 | 2.768 | ppbv # | 85 |
| 8) Butane | 4.28 | 43 | 14389 | 2.882 | ppbv | 86 |
| 9) Bromomethane | 4.56 | 94 | 9897 | 3.046 | ppbv | 99 |
| 10] Chloroethane | 4.80 | 64 | 3994m | 2.849 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 9582m | 2.832 | ppbv | |
| 12) Ethanol | 4.96 | 45 | 4075 | 3.130 | ppbv | 85 |
| 13] Acrolein | 5.38 | 56 | 3513m | 2.585 | ppbv | |
| 14) Pentane | 6.25 | 43 | 15673 | 2.771 | ppbv | 100 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 28993 | 3.174 | ppbv | 94 |
| 16) Acetone | 5.55 | 58 | 4001 | 2.837 | ppbv | 95 |
| 17) 2-Propanol | 5.78 | 45 | 20146 | 2.947 | ppbv | 100 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 9066 | 2.794 | ppbv | 94 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 9084 | 2.833 | ppbv # | 71 |
| 20) Methylene chloride | 6.75 | 84 | 8698 | 2.864 | ppbv | 98 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 17140 | 2.844 | ppbv # | 81 |
| 22) 3-Chloropropene | 6.94 | 41 | 12523 | 2.826 | ppbv | 97 |
| 23) CFC-113 | 7.15 | 101 | 21097 | 3.037 | ppbv | 97 |
| 24) Carbon disulfide | 7.25 | 76 | 29762 | 2.885 | ppbv | 100 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 21312 | 2.923 | ppbv | 97 |
| 26) Vinyl acetate | 8.51 | 43 | 24748 | 2.793 | ppbv | 99 |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 19903 | 2.853 | ppbv | 97 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 9587 | 2.751 | ppbv | 92 |
| 29) Hexane | 9.99 | 57 | 12304 | 2.907 | ppbv | 87 |
| 30] Chloroform | 10.07 | 83 | 22640 | 2.764 | ppbv | 100 |
| 31) Ethyl acetate | 9.90 | 43 | 22760 | 2.829 | ppbv # | 95 |
| 32) Tetrahydrofuran | 10.72 | 42 | 10699 | 2.833 | ppbv | 98 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 3434 | 2.770 | ppbv | 98 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 14523m | 2.767 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 20473 | 2.879 | ppbv | 97 |
| 36] Carbon tetrachloride | 12.83 | 117 | 20875 | 2.886 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 30683 | 2.745 | ppbv | 97 |
| 38) Cyclohexane | 13.05 | 84 | 8109 | 2.926 | ppbv | 96 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 14604 | 2.782 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

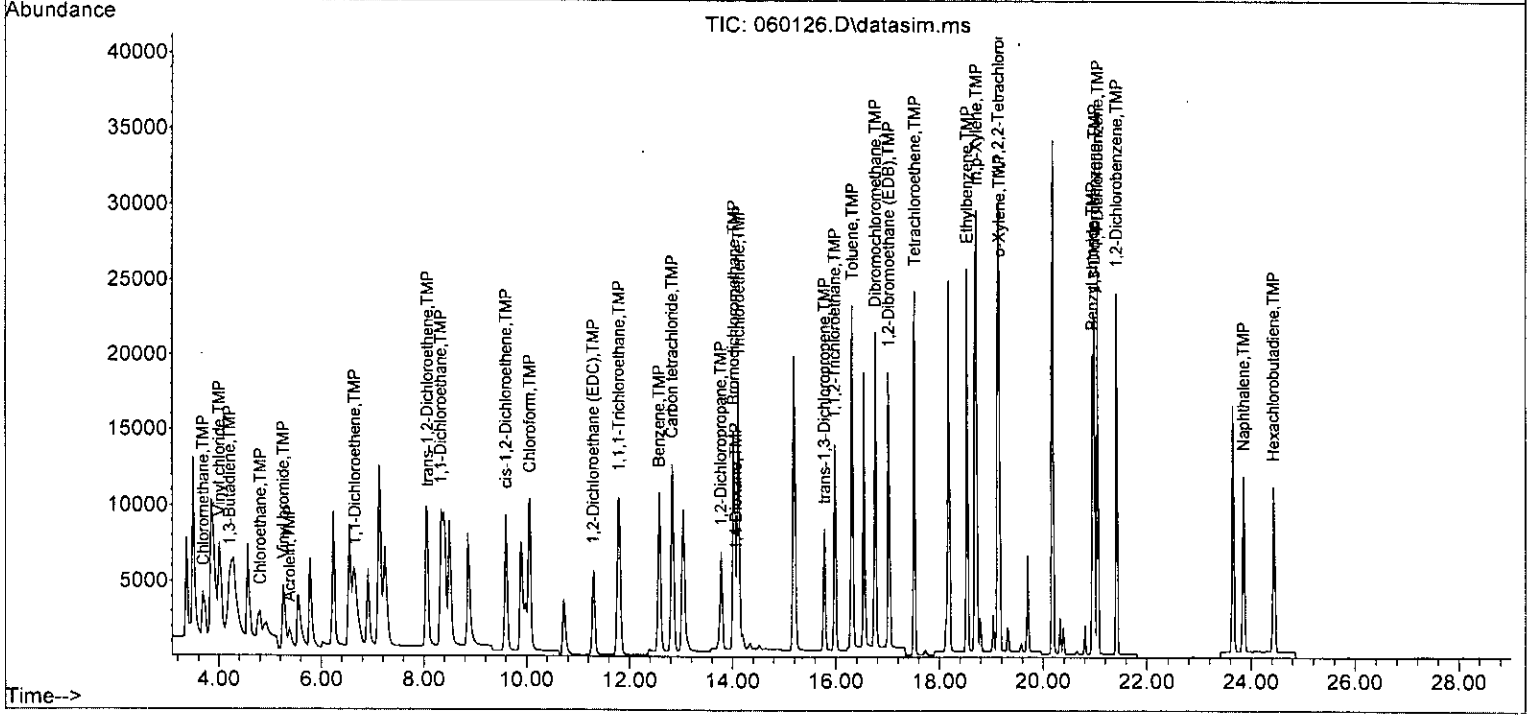
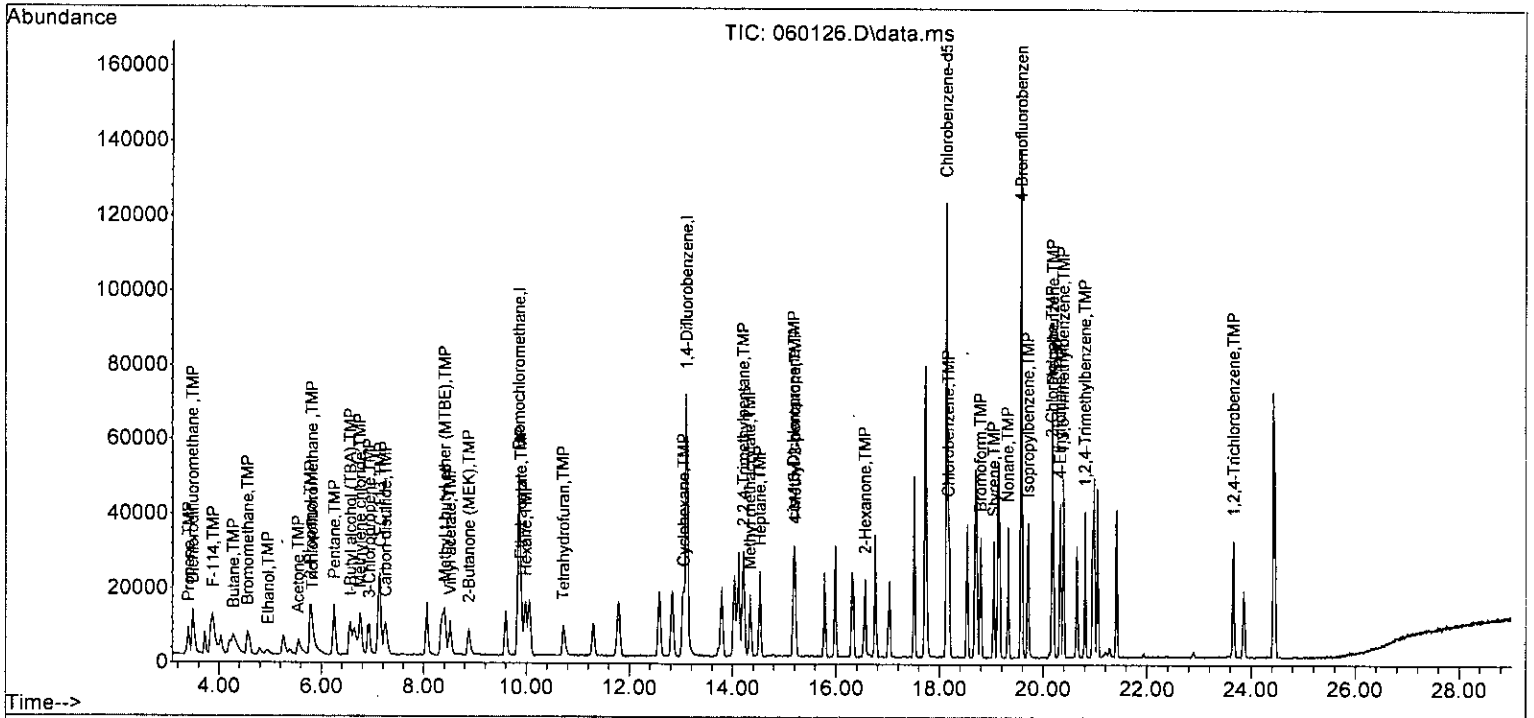
Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 6200 | 2.682 | ppbv | 86 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 44152 | 2.798 | ppbv | 95 |
| 43) Methyl methacrylate | 14.33 | 41 | 13178 | 2.734 | ppbv | 99 |
| 44) Heptane | 14.53 | 43 | 14879 | 2.735 | ppbv | 97 |
| 45] Bromodichloromethane | 14.02 | 83 | 23578 | 2.775 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 14717 | 2.744 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 16860 | 2.802 | ppbv | 99 |
| 48) 4-Methyl-2-pentanone | 15.20 | 100 | 1088 | 2.660 | ppbv # | 81 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 16285 | 2.686 | ppbv | 89 |
| 50] Toluene | 16.31 | 92 | 18487 | 2.674 | ppbv | 86 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 13320m | 2.661 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 21839 | 2.629 | ppbv | 96 |
| 53] Tetrachloroethene | 17.52 | 164 | 11610m | 2.738 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 22425 | 2.721 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 22191 | 2.725 | ppbv | 84 |
| 57) Chlorobenzene | 18.17 | 112 | 23803 | 2.881 | ppbv | 96 |
| 58] Ethylbenzene | 18.53 | 91 | 35549 | 2.649 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 31996 | 2.706 | ppbv | 92 |
| 60) Nonane | 19.32 | 43 | 16148 | 2.787 | ppbv | 93 |
| 61) Isopropylbenzene | 19.72 | 105 | 31897 | 2.759 | ppbv | 98 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 8546 | 2.757 | ppbv | 85 |
| 63) Propylbenzene | 20.19 | 91 | 64370 | 2.761 | ppbv | 97 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 30711 | 2.708 | ppbv | 99 |
| 65] m,p-Xylene | 18.70 | 106 | 24506 | 5.115 | ppbv | 97 |
| 66] o-Xylene | 19.15 | 106 | 11147 | 2.741 | ppbv | 98 |
| 67) Styrene | 19.05 | 104 | 16565 | 2.798 | ppbv | 98 |
| 68) Bromoform | 18.80 | 173 | 19392 | 2.671 | ppbv | 99 |
| 70] Benzyl chloride | 20.95 | 91 | 29203 | 2.795 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 28053 | 2.741 | ppbv | 96 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 25323 | 2.801 | ppbv | 100 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 22623 | 2.783 | ppbv | 89 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 20874 | 2.737 | ppbv | 94 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 21920 | 2.790 | ppbv | 97 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 15920 | 2.583 | ppbv | 98 |
| 77] Naphthalene | 23.86 | 128 | 24250 | 2.444 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 23372m | 2.745 | ppbv | |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060126.D
 Acq On : 2 Jun 2023 5:01 am
 Operator : bat
 Sample : 2.5 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS7

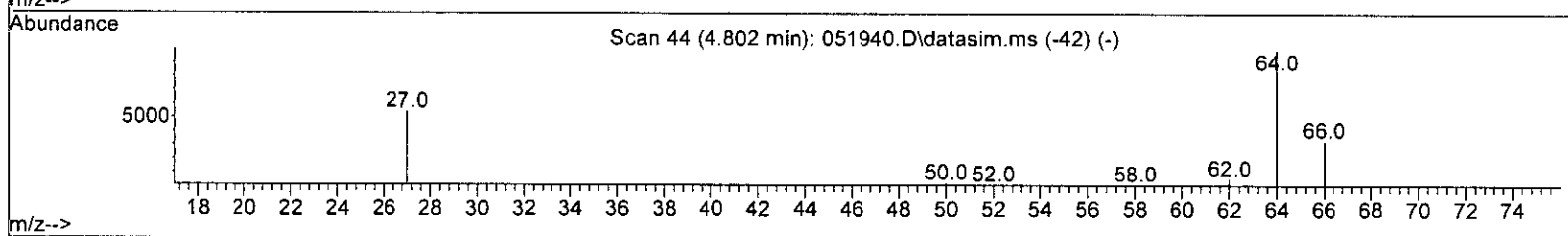
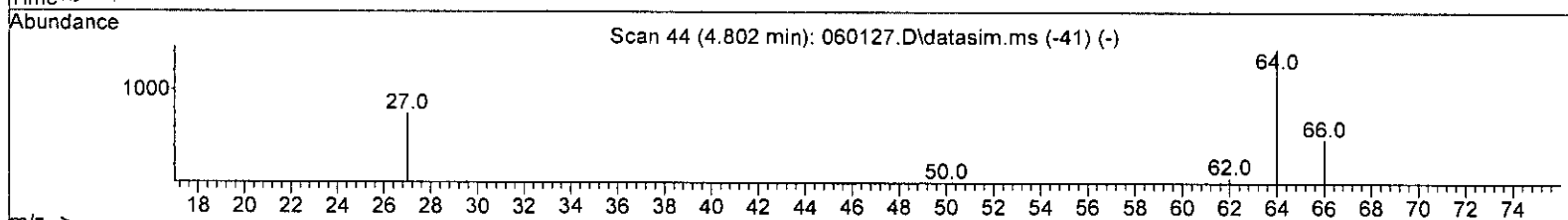
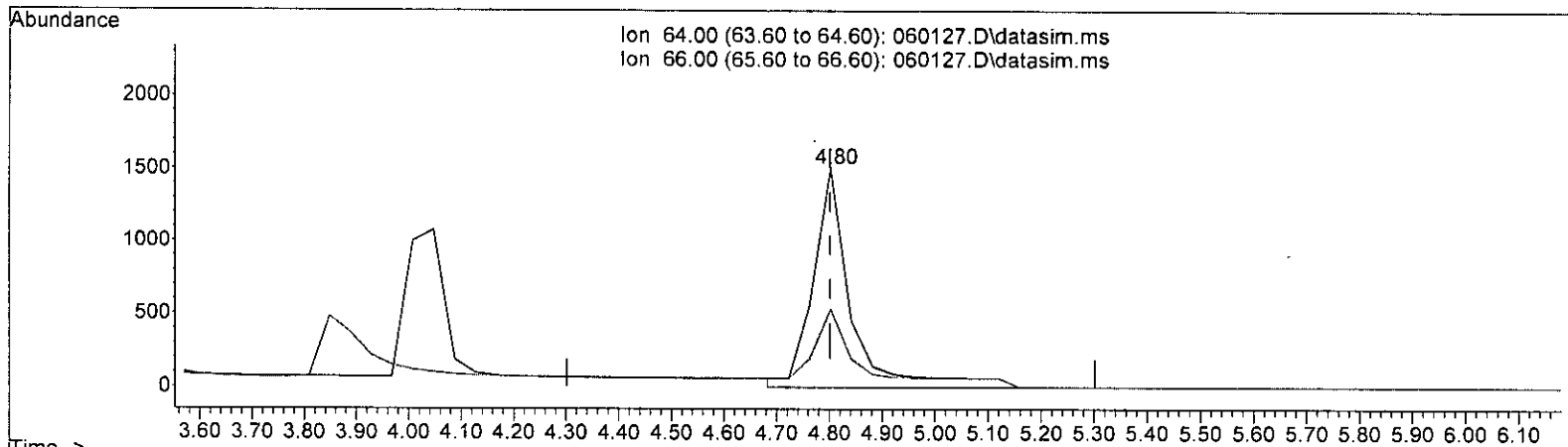
Quant Time: Jun 06 13:06:55 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

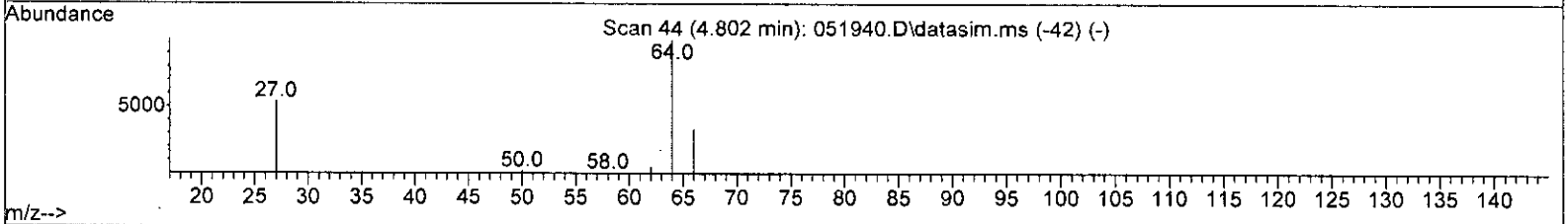
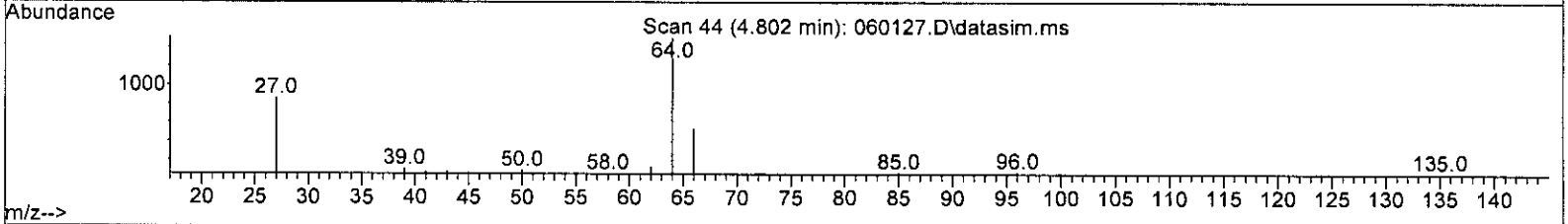
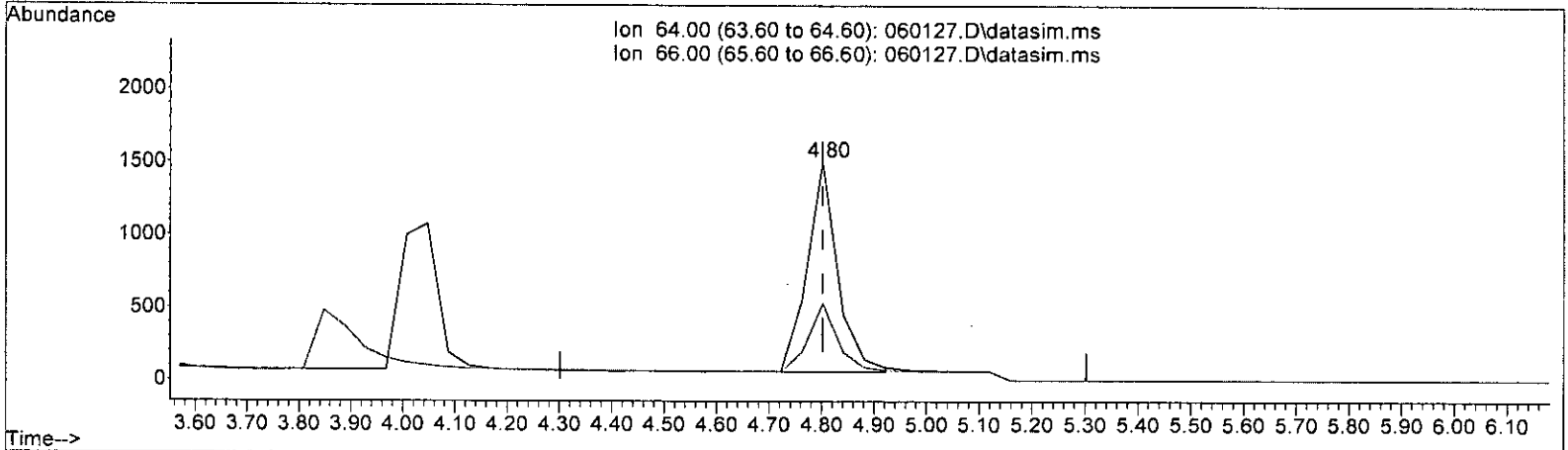
| (10) Chloroethane (TMP) | | |
|-------------------------|------------|--------|
| 4.802min (+ 0.000) | 5.112 ppbv | |
| response | 7148 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 35.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

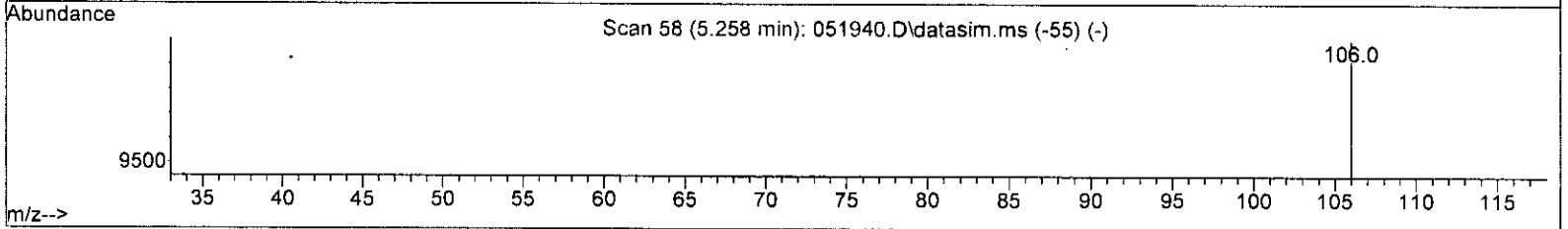
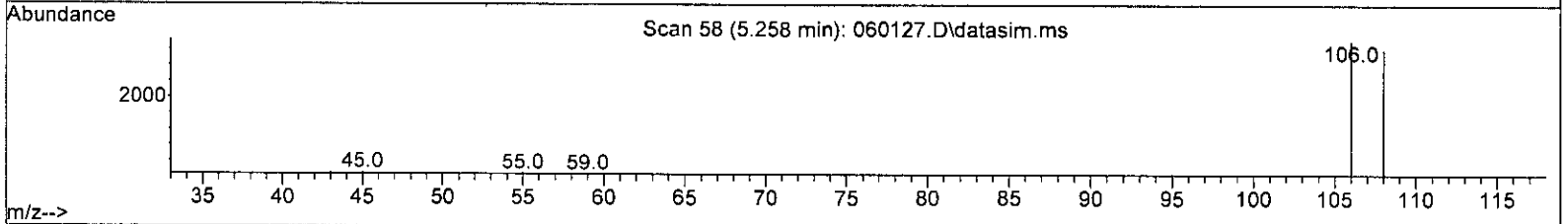
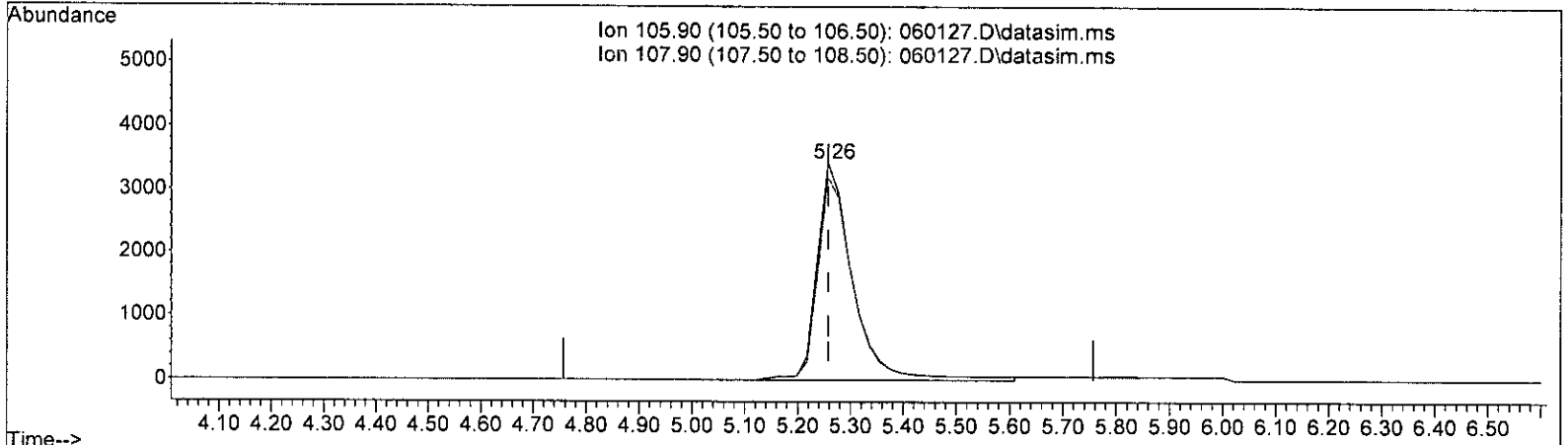
| (10) Chloroethane (TMP) | | | |
|---------------------------------|--------|--------|--|
| 4.802min (+ 0.000) 4.186 ppbv m | | | |
| response | 5854 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 35.42 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: 6/6/23

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

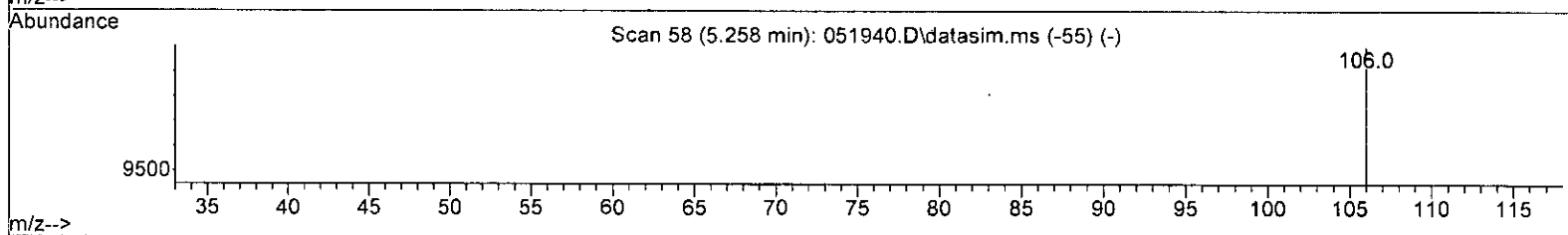
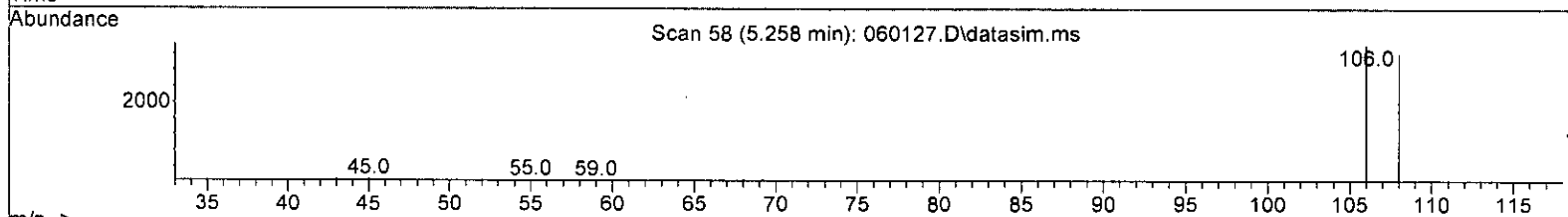
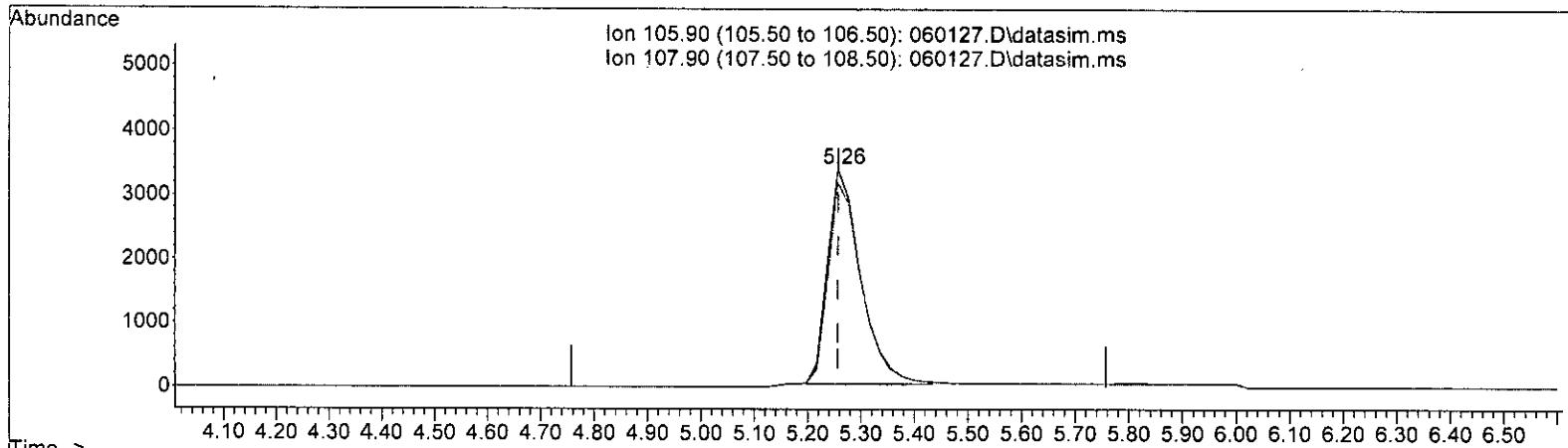
| (11) Vinyl bromide (TBP) | | |
|--------------------------|------------|--------|
| 5.258min (-0.000) | 5.100 ppbv | |
| response | 17216 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 95.48 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 4.264 ppbv m

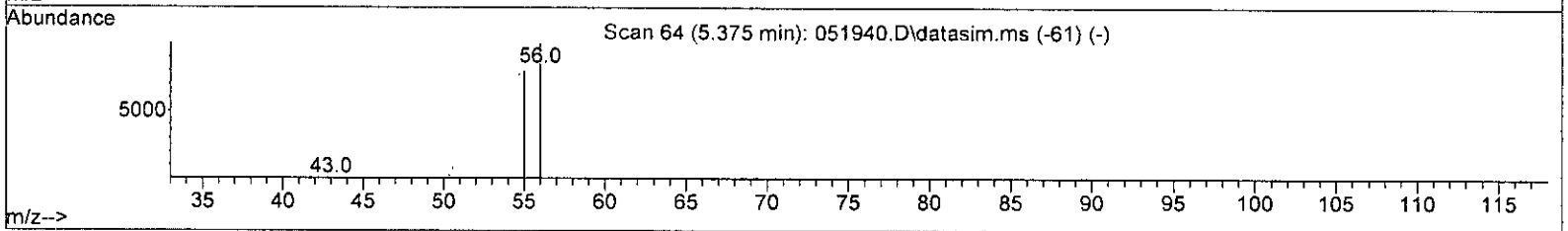
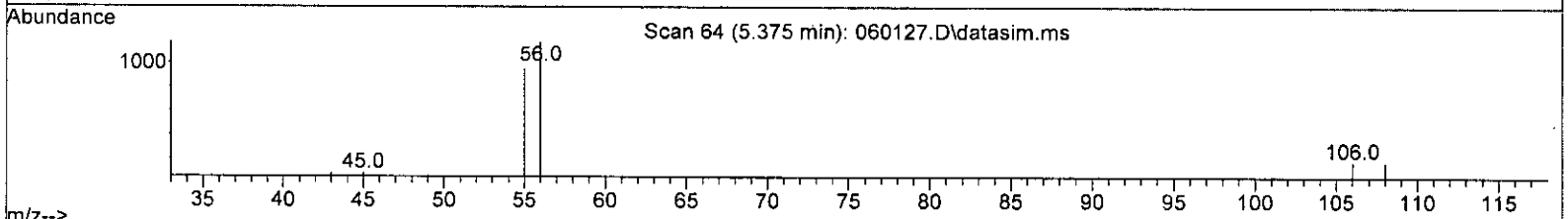
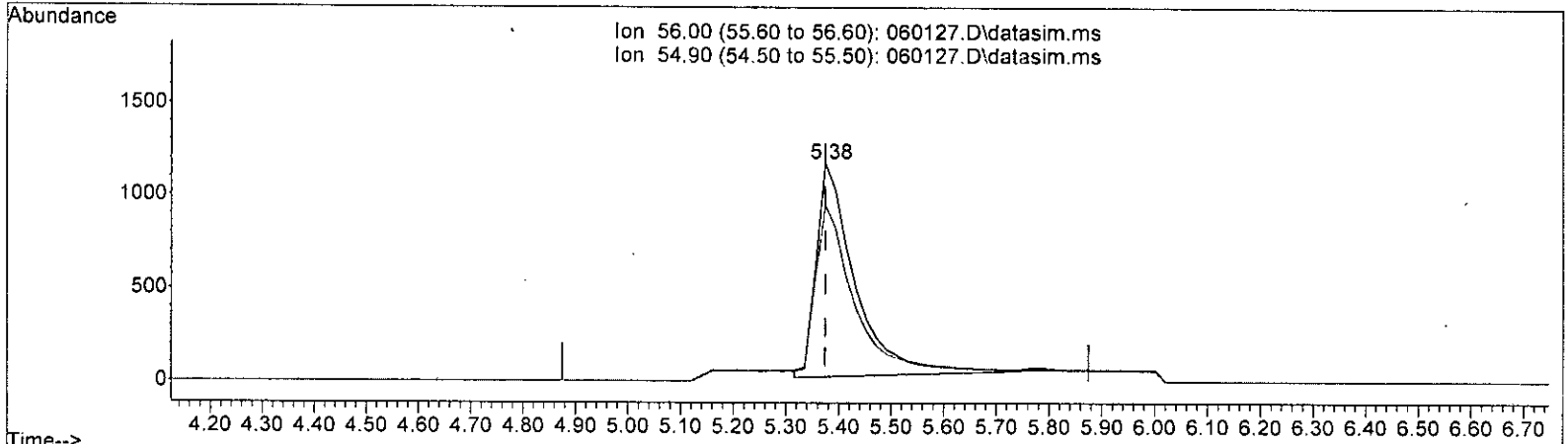
| response | 14394 | | |
|----------|--------|---------|--|
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 114.19# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

6/6 PM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

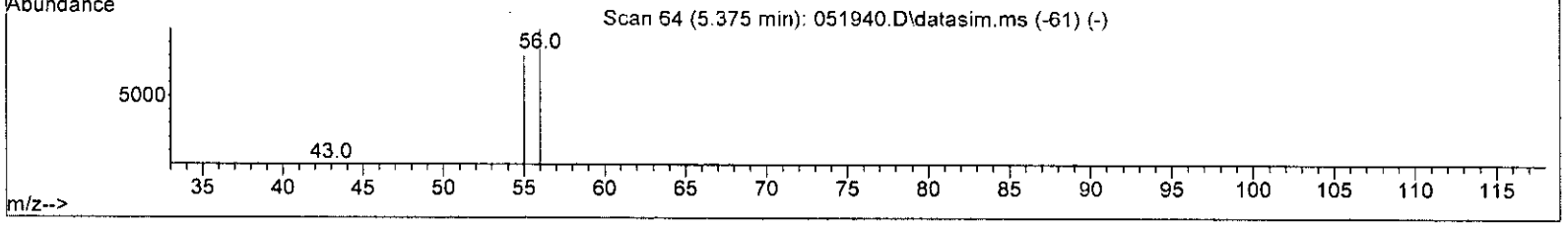
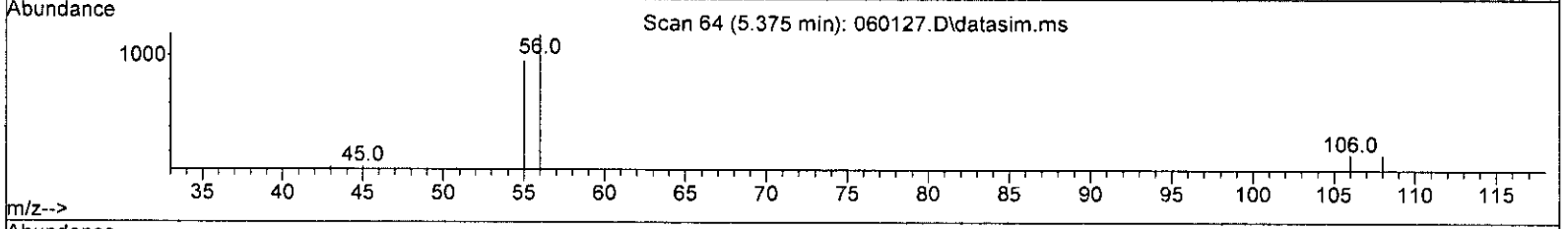
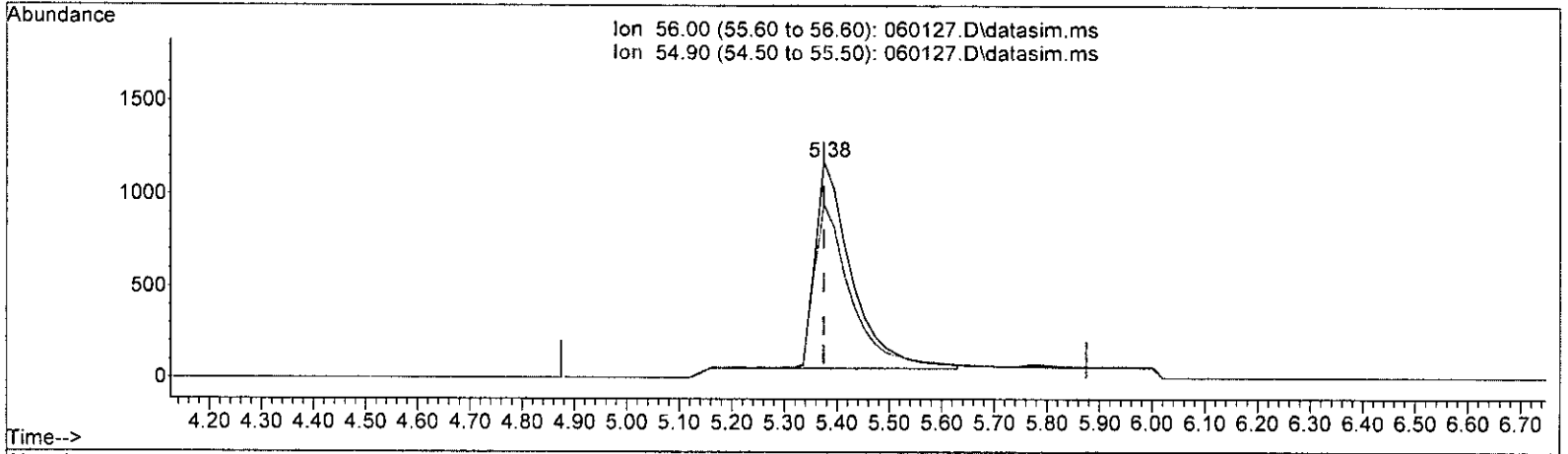
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 4.368 | ppbv |
| response | 5921 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 80.76 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

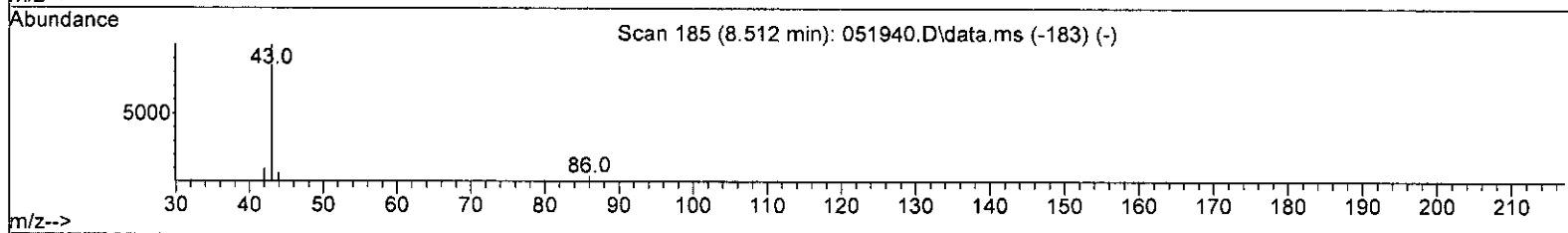
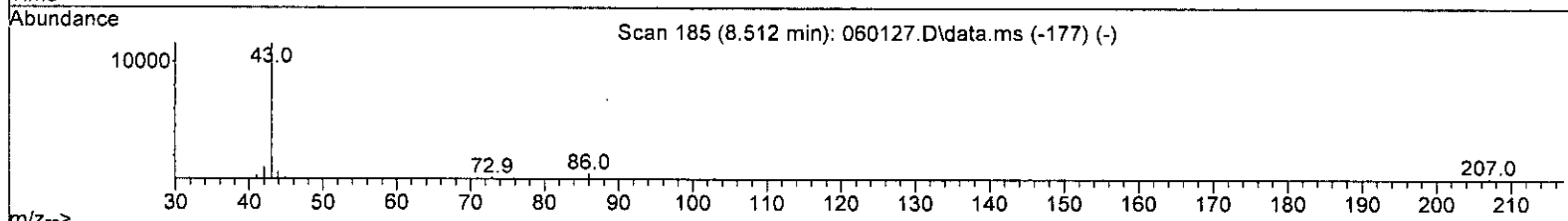
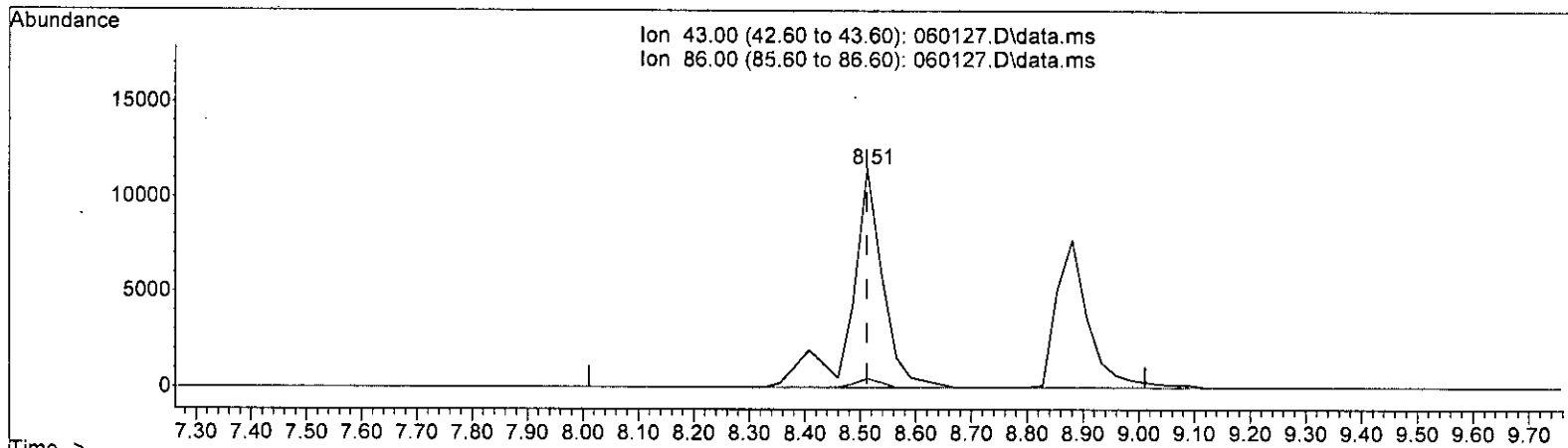
| (13) Acrolein (TMP) | | | |
|---------------------------------|--------|--------|--|
| 5.375min (+ 0.000) 3.989 ppbv m | | | |
| response | 5407 | | |
| Ion | Exp% | Act% | |
| 56.00 | 100.00 | 100.00 | |
| 54.90 | 81.00 | 88.44 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

9/6/23

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

| Retention Time (min) | Abundance | Identified Compound |
|----------------------|-----------|---------------------|
| 8.512 | 45677 | Vinyl acetate (TMP) |

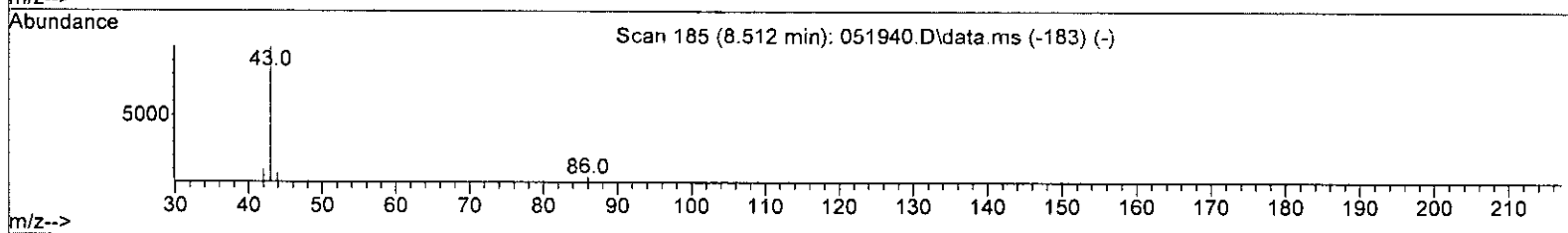
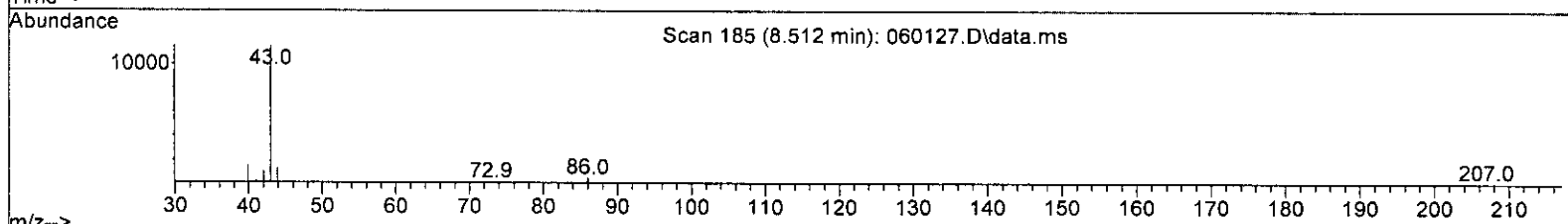
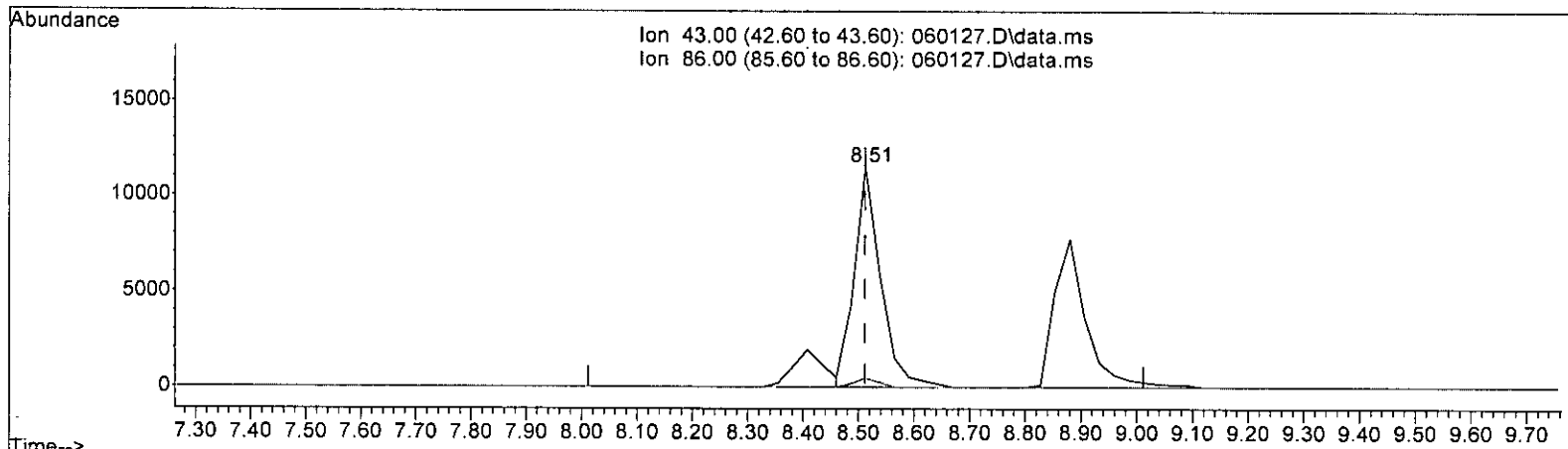
| Retention Time (min) | Response | Exp% | Act% |
|----------------------|------------|--------|------|
| 8.512min (+ 0.000) | 5.167 ppbv | | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 4.06 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: M. S. M.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

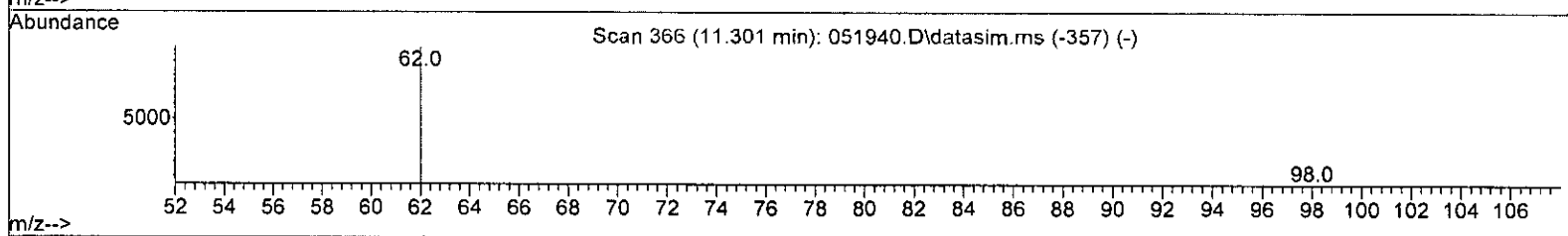
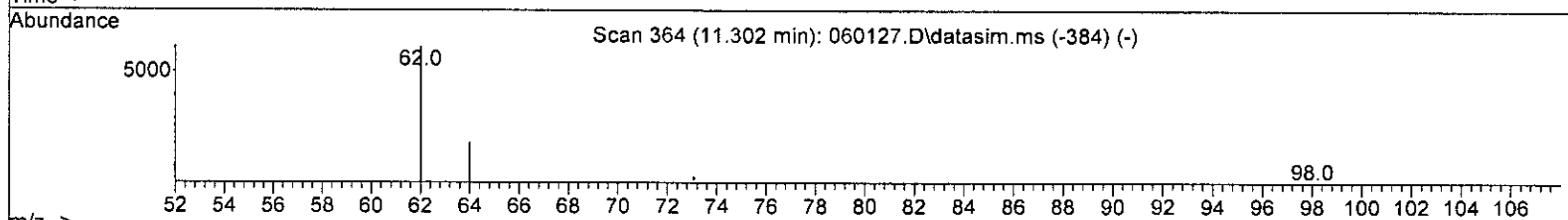
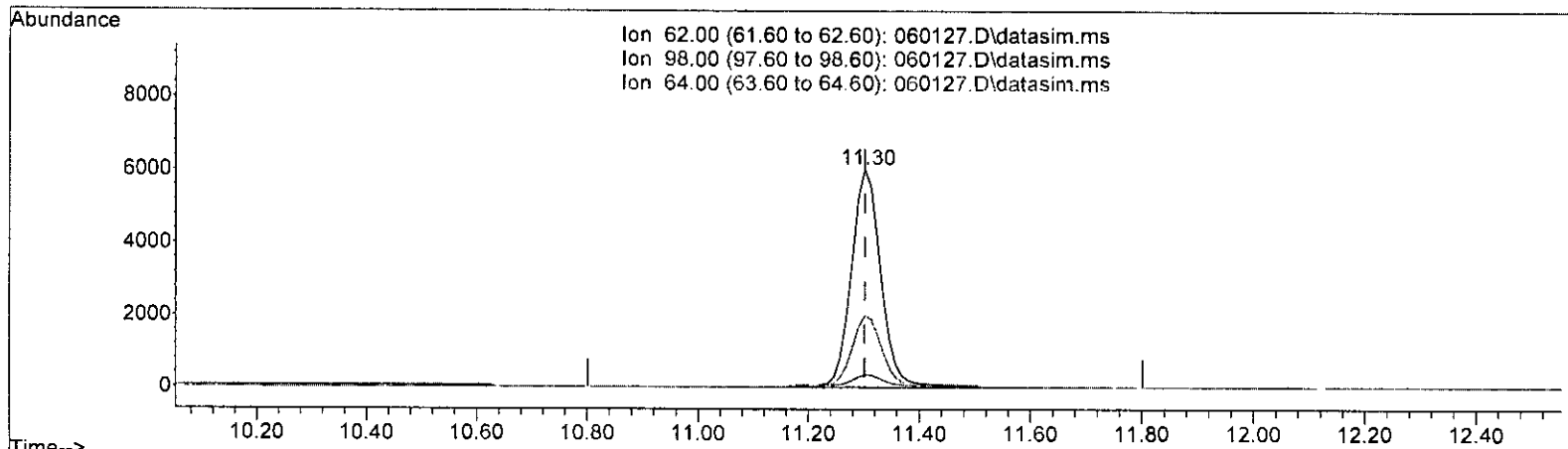
| (26) Vinyl acetate (TMP) | | | |
|---------------------------------|--------|--------|--|
| 8.512min (+ 0.000) 4.294 ppbv m | | | |
| response | 37959 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 4.06 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060127.D\data.ms

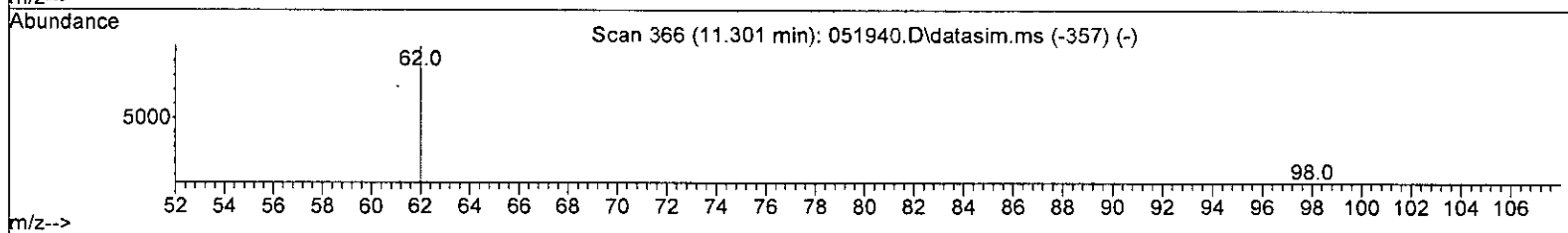
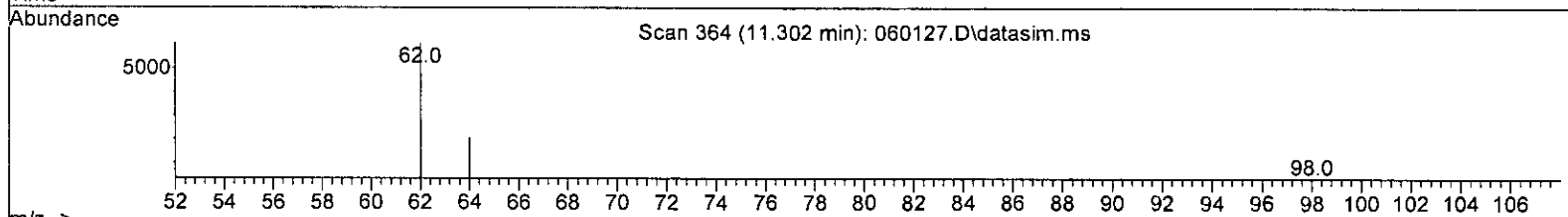
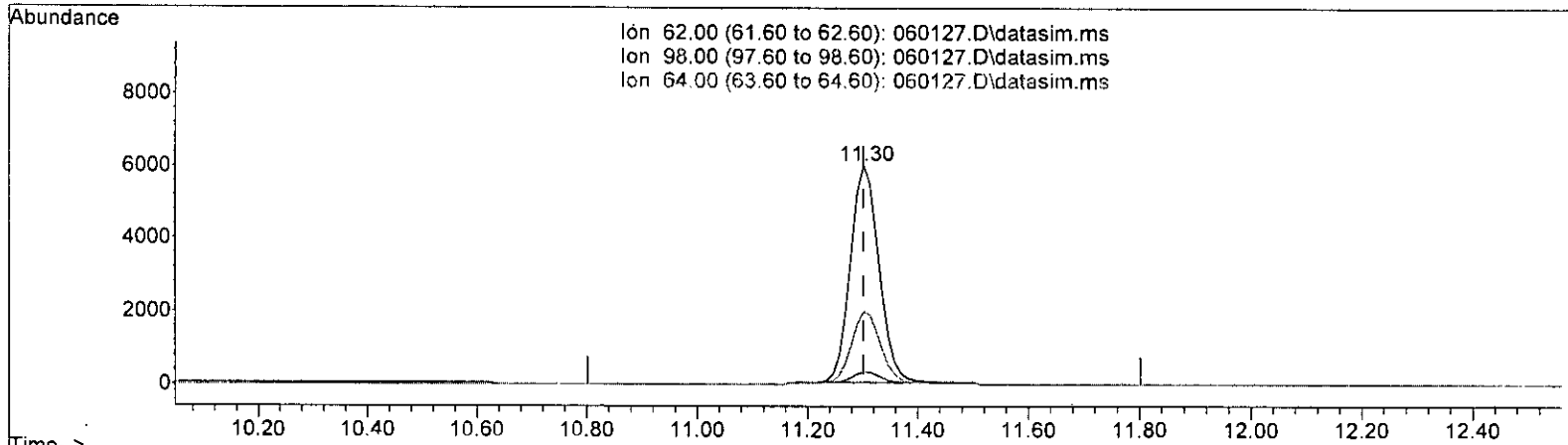
| (34) 1,2-Dichloroethane (EDC) (TMP) | | |
|-------------------------------------|--------|--------|
| 11.302min (+ 0.000) | 4.271 | ppbv |
| response | 22363 | |
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.57 |
| 64.00 | 33.00 | 33.06 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T01SDC.M



TIC: 060127.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 4.085 ppbv m

| response | 21392 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 5.57 | |
| 64.00 | 33.00 | 33.06 | |
| 0.00 | 0.00 | 0.00 | |

bat

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 4.000 | 4.154 | -3.8 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.000 | 4.478 | -11.9 | 100 | 0.00 |
| 4 TMP Chloromethane | 4.000 | 3.897 | 2.6 | 100 | 0.04 |
| 5 TMP F-114 | 4.000 | 4.492 | -12.3 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 4.000 | 4.250 | -6.3 | 101 | 0.00 |
| 7 TMP 1,3-Butadiene | 4.000 | 4.224 | -5.6 | 100 | 0.00 |
| 8 TMP Butane | 4.000 | 4.518 | -12.9 | 100 | 0.04 |
| 9 TMP Bromomethane | 4.000 | 4.537 | -13.4 | 100 | 0.04 |
| 10 TMP Chloroethane | 4.000 | 4.186 | -4.6 | 99 | 0.00 |
| 11 TMP Vinyl bromide | 4.000 | 4.264 | -6.6 | 99 | 0.00 |
| 12 TMP Ethanol | 4.000 | 4.494 | -12.3 | 100 | -0.04 |
| 13 TMP Acrolein | 4.000 | 3.989 | 0.3 | 101 | 0.00 |
| 14 TMP Pentane | 4.000 | 4.138 | -3.4 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.000 | 4.718 | -17.9 | 100 | 0.00 |
| 16 TMP Acetone | 4.000 | 4.381 | -9.5 | 100 | 0.00 |
| 17 TMP 2-Propanol | 4.000 | 4.462 | -11.5 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 4.000 | 4.165 | -4.1 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 4.000 | 4.249 | -6.2 | 100 | 0.00 |
| 20 TMP Methylene chloride | 4.000 | 4.290 | -7.3 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 4.000 | 4.298 | -7.5 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 4.000 | 4.455 | -11.4 | 100 | 0.00 |
| 23 TMP CFC-113 | 4.000 | 4.447 | -11.2 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 4.000 | 4.188 | -4.7 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 4.000 | 4.278 | -6.9 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.000 | 4.294 | -7.3 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 4.000 | 4.282 | -7.1 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 4.000 | 4.113 | -2.8 | 100 | 0.00 |
| 29 TMP Hexane | 4.000 | 4.321 | -8.0 | 100 | 0.00 |
| 30 TMP Chloroform | 4.000 | 4.101 | -2.5 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 4.000 | 4.178 | -4.4 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 4.000 | 4.365 | -9.1 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 4.000 | 4.284 | -7.1 | 100 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 4.000 | 4.085 | -2.1 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 4.000 | 4.320 | -8.0 | 101 | 0.00 |
| 36 TMP Carbon tetrachloride | 4.000 | 4.297 | -7.4 | 100 | 0.00 |
| 37 TMP Benzene | 4.000 | 4.055 | -1.4 | 101 | 0.00 |
| 38 TMP Cyclohexane | 4.000 | 4.271 | -6.8 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 4.000 | 4.131 | -3.3 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 4.000 | 4.102 | -2.6 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 4.000 | 4.163 | -4.1 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 4.000 | 4.068 | -1.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|------|-------|----------|
| 44 TMP Heptane | 4.000 | 4.139 | -3.5 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 4.000 | 4.154 | -3.8 | 100 | 0.00 |
| 46 TMP Trichloroethene | 4.000 | 4.055 | -1.4 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 4.000 | 4.348 | -8.7 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 4.000 | 3.958 | 1.0 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 4.000 | 4.120 | -3.0 | 100 | 0.00 |
| 50 TMP Toluene | 4.000 | 3.927 | 1.8 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 4.000 | 4.317 | -7.9 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 4.000 | 4.213 | -5.3 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 4.000 | 4.278 | -6.9 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 4.000 | 4.130 | -3.2 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 4.000 | 4.000 | 0.0 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 4.000 | 4.176 | -4.4 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 4.000 | 3.889 | 2.8 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 4.000 | 3.923 | 1.9 | 100 | 0.00 |
| 60 TMP Nonane | 4.000 | 3.938 | 1.5 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 4.000 | 4.086 | -2.2 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 4.000 | 4.011 | -0.3 | 100 | 0.00 |
| 63 TMP Propylbenzene | 4.000 | 4.213 | -5.3 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 4.000 | 4.159 | -4.0 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 8.000 | 7.591 | 5.1 | 100 | 0.00 |
| 66 TMP o-Xylene | 4.000 | 4.040 | -1.0 | 100 | 0.00 |
| 67 TMP Styrene | 4.000 | 4.231 | -5.8 | 100 | 0.00 |
| 68 TMP Bromoform | 4.000 | 4.084 | -2.1 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 9.931 | 0.7 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 4.000 | 4.268 | -6.7 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 4.000 | 4.227 | -5.7 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 4.000 | 4.265 | -6.6 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 4.000 | 4.188 | -4.7 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 4.000 | 4.137 | -3.4 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 4.000 | 4.323 | -8.1 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 4.000 | 4.130 | -3.2 | 100 | 0.00 |
| 77 TMP Naphthalene | 4.000 | 3.961 | 1.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 4.000 | 4.110 | -2.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 1.293 | 1.343 | -3.9 | 100 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 4.308 | 4.822 | -11.9 | 100 | 0.00 |
| 4 TMP | Chloromethane | 1.646 | 1.604 | 2.6 | 100 | 0.04 |
| 5 TMP | F-114 | 4.259 | 4.783 | -12.3 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 1.849 | 1.965 | -6.3 | 101 | 0.00 |
| 7 TMP | 1,3-Butadiene | 1.211 | 1.279 | -5.6 | 100 | 0.00 |
| 8 TMP | Butane | 2.441 | 2.757 | -12.9 | 100 | 0.04 |
| 9 TMP | Bromomethane | 1.588 | 1.802 | -13.5 | 100 | 0.04 |
| 10 TMP | Chloroethane | 0.685 | 0.717 | -4.7 | 99 | 0.00 |
| 11 TMP | Vinyl bromide | 1.655 | 1.764 | -6.6 | 99 | 0.00 |
| 12 TMP | Ethanol | 0.637 | 0.715 | -12.2 | 100 | -0.04 |
| 13 TMP | Acrolein | 0.664 | 0.662 | 0.3 | 101 | 0.00 |
| 14 TMP | Pentane | 2.765 | 2.861 | -3.5 | 100 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 4.466 | 5.267 | -17.9 | 100 | 0.00 |
| 16 TMP | Acetone | 0.689 | 0.755 | -9.6 | 100 | 0.00 |
| 17 TMP | 2-Propanol | 3.342 | 3.728 | -11.5 | 100 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 1.587 | 1.652 | -4.1 | 100 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 1.568 | 1.666 | -6.2 | 100 | 0.00 |
| 20 TMP | Methylene chloride | 1.485 | 1.592 | -7.2 | 100 | 0.00 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.946 | 3.166 | -7.5 | 100 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.167 | 2.413 | -11.4 | 100 | 0.00 |
| 23 TMP | CFC-113 | 3.396 | 3.775 | -11.2 | 100 | 0.00 |
| 24 TMP | Carbon disulfide | 5.043 | 5.280 | -4.7 | 100 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 3.565 | 3.813 | -7.0 | 100 | 0.00 |
| 26 TMP | Vinyl acetate | 4.333 | 4.651 | -7.3 | 100 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 3.411 | 3.652 | -7.1 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 1.704 | 1.752 | -2.8 | 100 | 0.00 |
| 29 TMP | Hexane | 2.070 | 2.236 | -8.0 | 100 | 0.00 |
| 30 TMP | Chloroform | 4.005 | 4.106 | -2.5 | 100 | 0.00 |
| 31 TMP | Ethyl acetate | 3.933 | 4.108 | -4.4 | 100 | 0.00 |
| 32 TMP | Tetrahydrofuran | 1.847 | 2.015 | -9.1 | 100 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 0.606 | 0.649 | -7.1 | 100 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.566 | 2.621 | -2.1 | 99 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 3.477 | 3.755 | -8.0 | 101 | 0.00 |
| 36 TMP | Carbon tetrachloride | 3.536 | 3.799 | -7.4 | 100 | 0.00 |
| 37 TMP | Benzene | 5.466 | 5.541 | -1.4 | 101 | 0.00 |
| 38 TMP | Cyclohexane | 1.355 | 1.447 | -6.8 | 100 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 0.601 | 0.621 | -3.3 | 100 | 0.00 |
| 41 TMP | 1,4-Dioxane | 0.265 | 0.272 | -2.6 | 100 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 1.808 | 1.881 | -4.0 | 100 | 0.00 |
| 43 TMP | Methyl methacrylate | 0.552 | 0.562 | -1.8 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.645 | -3.5 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.011 | -3.8 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.623 | -1.3 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.749 | -8.7 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.046 | 2.1 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.715 | -2.9 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.778 | 1.8 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.619 | -8.0 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 1.003 | -5.4 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.520 | -7.0 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.975 | -3.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.933 | 0.0 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.117 | -4.4 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.689 | 2.8 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.502 | 1.9 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.739 | 1.5 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.529 | -2.1 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.402 | -0.2 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.180 | -5.3 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.527 | -4.0 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.589 | 5.0 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.532 | -0.9 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.811 | -5.7 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.960 | -2.1 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.704 | 0.7 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.444 | -6.7 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.401 | -5.7 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.248 | -6.6 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.102 | -4.7 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.021 | -3.3 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.100 | -8.2 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.824 | -3.3 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.312 | -6.8 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.133 | -2.7 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20404 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 86156 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 78654 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 55368 | 9.931 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 99.30% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 10963 | 4.154 | ppbv | 94 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 39359 | 4.478 | ppbv | 97 |
| 4) Chloromethane | 3.73 | 50 | 13093 | 3.897 | ppbv | 77 |
| 5) F-114 | 3.88 | 85 | 39040 | 4.492 | ppbv | 98 |
| 6] Vinyl chloride | 4.01 | 62 | 16034 | 4.250 | ppbv | 95 |
| 7] 1,3-Butadiene | 4.21 | 54 | 10436 | 4.224 | ppbv # | 85 |
| 8) Butane | 4.32 | 43 | 22505 | 4.518 | ppbv | 93 |
| 9) Bromomethane | 4.60 | 94 | 14704 | 4.537 | ppbv | 95 |
| 10] Chloroethane | 4.80 | 64 | 5854m | 4.186 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 14394m | 4.264 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 5837 | 4.494 | ppbv | 97 |
| 13] Acrolein | 5.38 | 56 | 5407m | 3.989 | ppbv | |
| 14) Pentane | 6.25 | 43 | 23348 | 4.138 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 42989 | 4.718 | ppbv | 99 |
| 16) Acetone | 5.55 | 58 | 6164 | 4.381 | ppbv # | 85 |
| 17) 2-Propanol | 5.78 | 45 | 30430 | 4.462 | ppbv | 100 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 13482 | 4.165 | ppbv | 94 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 13595 | 4.249 | ppbv # | 76 |
| 20) Methylene chloride | 6.75 | 84 | 12996 | 4.290 | ppbv | 95 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 25837 | 4.298 | ppbv # | 77 |
| 22) 3-Chloropropene | 6.94 | 41 | 19697 | 4.455 | ppbv | 99 |
| 23) CFC-113 | 7.15 | 101 | 30812 | 4.447 | ppbv | 97 |
| 24) Carbon disulfide | 7.25 | 76 | 43097 | 4.188 | ppbv | 99 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 31117 | 4.278 | ppbv | 96 |
| 26) Vinyl acetate | 8.51 | 43 | 37959m | 4.294 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 29806 | 4.282 | ppbv | 97 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 14300 | 4.113 | ppbv | 89 |
| 29) Hexane | 9.99 | 57 | 18247 | 4.321 | ppbv | 96 |
| 30] Chloroform | 10.07 | 83 | 33508 | 4.101 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 33530 | 4.178 | ppbv # | 98 |
| 32) Tetrahydrofuran | 10.71 | 42 | 16447 | 4.365 | ppbv | 95 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 5298 | 4.284 | ppbv | 95 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 21392m | 4.085 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 30647 | 4.320 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 31004 | 4.297 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 45223 | 4.055 | ppbv | 97 |
| 38) Cyclohexane | 13.04 | 84 | 11808 | 4.271 | ppbv | 94 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 21408 | 4.131 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

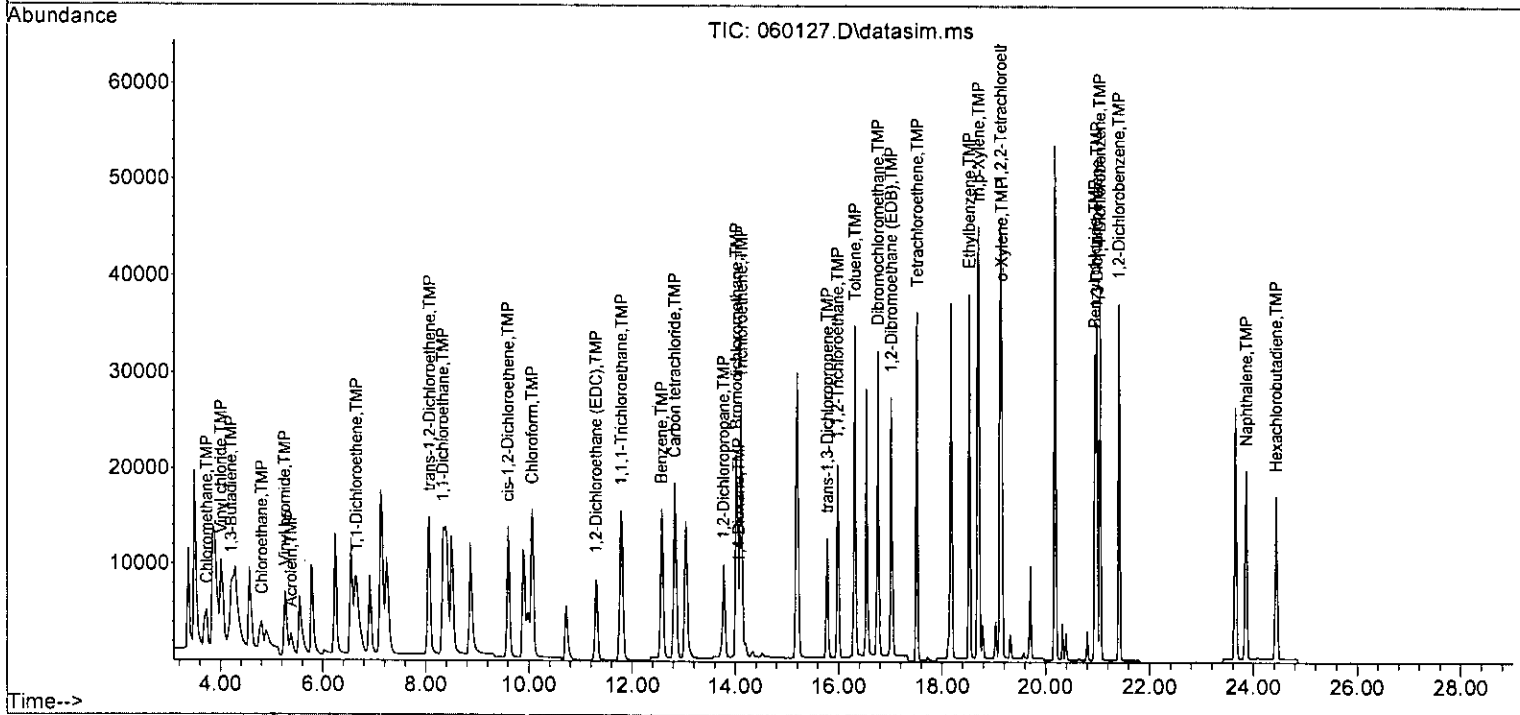
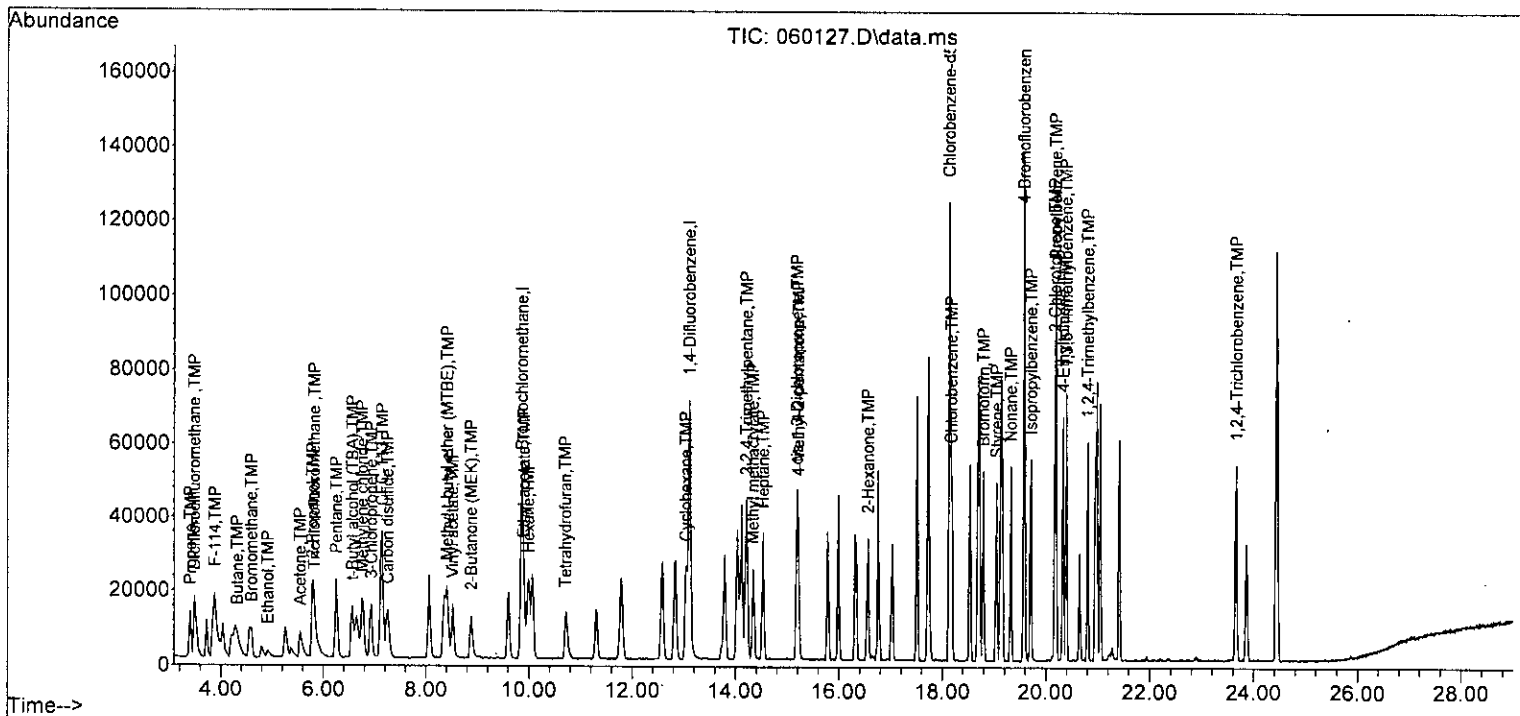
Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 9358 | 4.102 | ppbv | 81 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 64838 | 4.163 | ppbv | 93 |
| 43) Methyl methacrylate | 14.33 | 41 | 19357 | 4.068 | ppbv | 98 |
| 44) Heptane | 14.53 | 43 | 22232 | 4.139 | ppbv | 98 |
| 45] Bromodichloromethane | 14.02 | 83 | 34847 | 4.154 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 21469 | 4.055 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 25818 | 4.348 | ppbv | 99 |
| 48) 4-Methyl-2-pentanone | 15.20 | 100 | 1598 | 3.958 | ppbv # | 55 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 24655 | 4.120 | ppbv | 90 |
| 50] Toluene | 16.31 | 92 | 26798 | 3.927 | ppbv | 86 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 21326 | 4.317 | ppbv | 98 |
| 52) 2-Hexanone | 16.56 | 43 | 34550 | 4.213 | ppbv | 96 |
| 53] Tetrachloroethene | 17.52 | 164 | 17907 | 4.278 | ppbv | 95 |
| 54] Dibromochloromethane | 16.76 | 129 | 33593 | 4.130 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 32145 | 4.000 | ppbv | 84 |
| 57) Chlorobenzene | 18.17 | 112 | 35145 | 4.176 | ppbv | 97 |
| 58] Ethylbenzene | 18.53 | 91 | 53148 | 3.889 | ppbv | 97 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 47250 | 3.923 | ppbv | 91 |
| 60) Nonane | 19.32 | 43 | 23244 | 3.938 | ppbv | 98 |
| 61) Isopropylbenzene | 19.72 | 105 | 48105 | 4.086 | ppbv | 98 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 12663 | 4.011 | ppbv | 94 |
| 63) Propylbenzene | 20.19 | 91 | 100053 | 4.213 | ppbv | 96 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 48031 | 4.159 | ppbv | 100 |
| 65] m,p-Xylene | 18.70 | 106 | 37043 | 7.591 | ppbv | 98 |
| 66] o-Xylene | 19.15 | 106 | 16735 | 4.040 | ppbv | 97 |
| 67) Styrene | 19.05 | 104 | 25516 | 4.231 | ppbv | 96 |
| 68) Bromoform | 18.80 | 173 | 30201 | 4.084 | ppbv | 99 |
| 70] Benzyl chloride | 20.95 | 91 | 45427 | 4.268 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 44069 | 4.227 | ppbv | 99 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 39279 | 4.265 | ppbv | 99 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 34683 | 4.188 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 32135 | 4.137 | ppbv | 93 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 34600 | 4.323 | ppbv | 97 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 25926 | 4.130 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 41262 | 3.961 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 35639 | 4.110 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060127.D
 Acq On : 2 Jun 2023 5:35 am
 Operator : bat
 Sample : 4.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS7

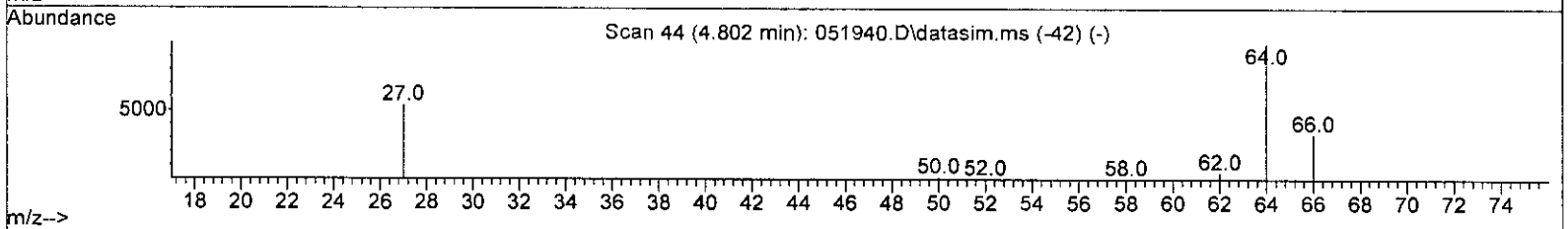
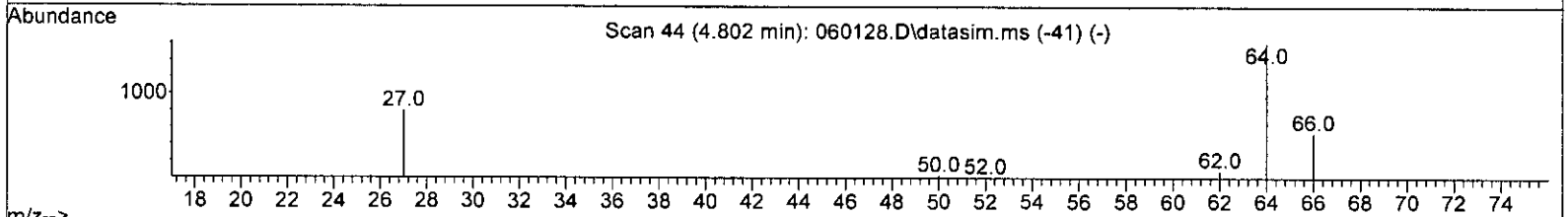
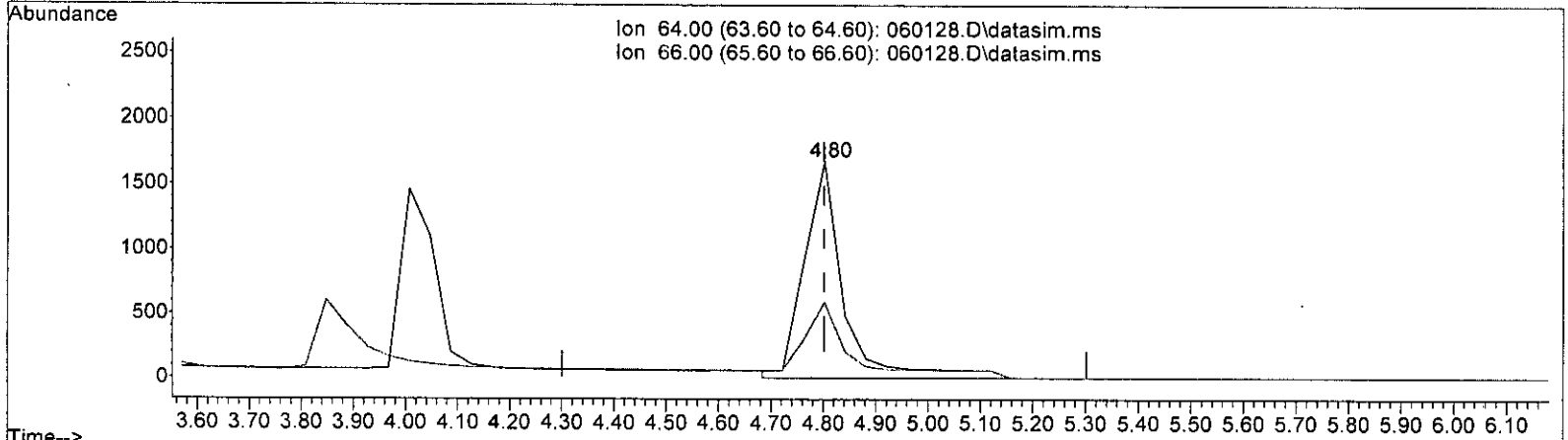
Quant Time: Jun 06 13:06:59 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

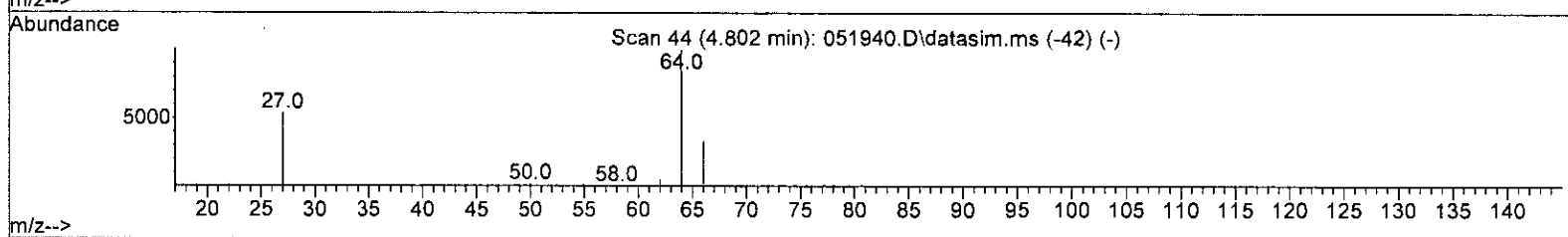
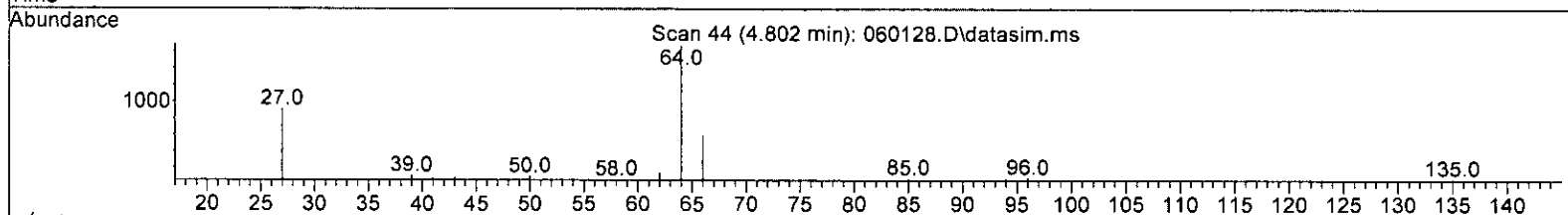
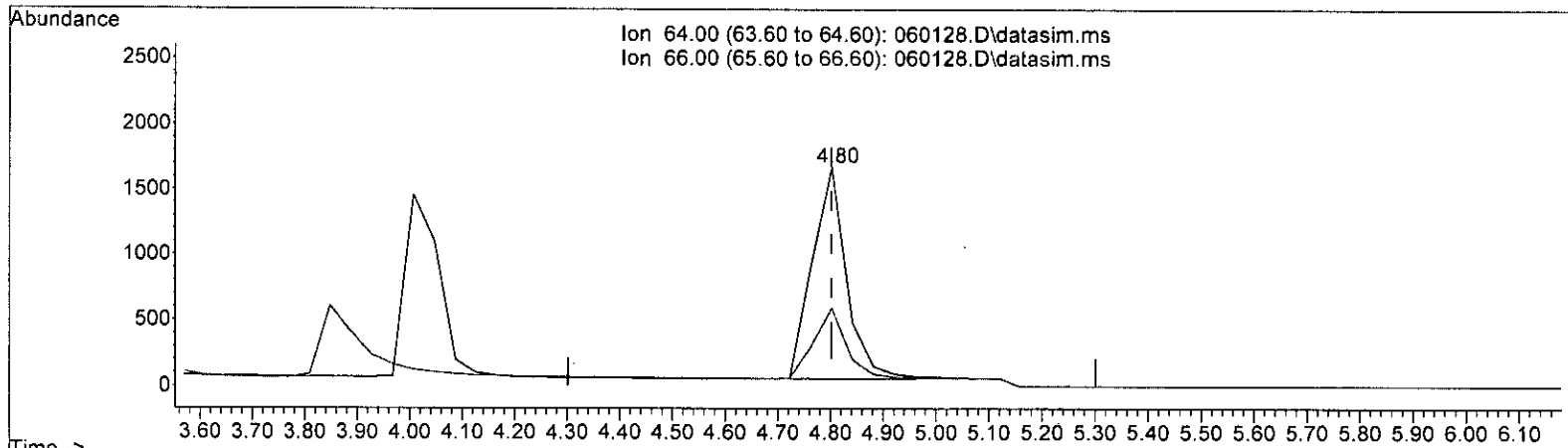
| (10) Chloroethane (TMP) | | |
|-------------------------|------------|--------|
| 4.802min (+ 0.000) | 5.766 ppbv | |
| response | 8420 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 35.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: b/b QM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

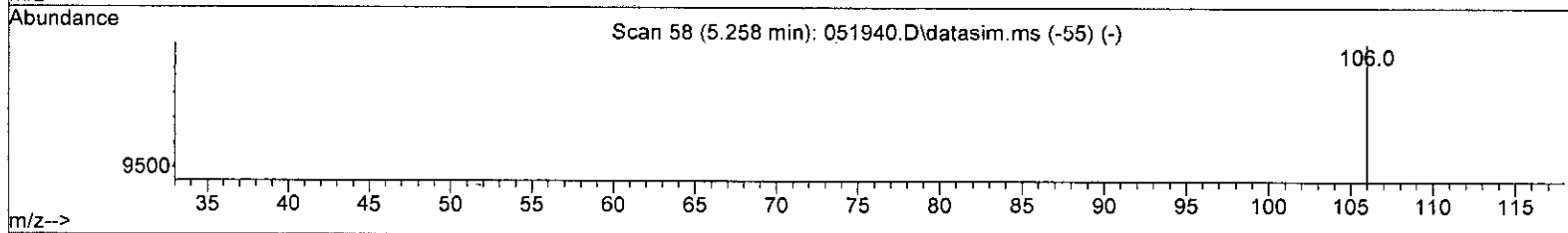
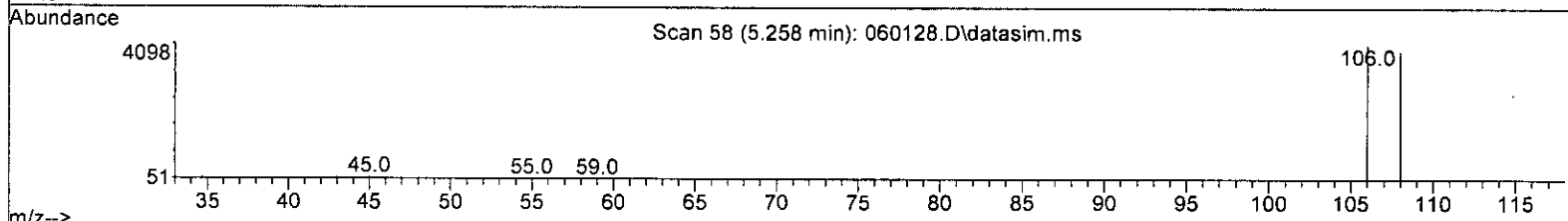
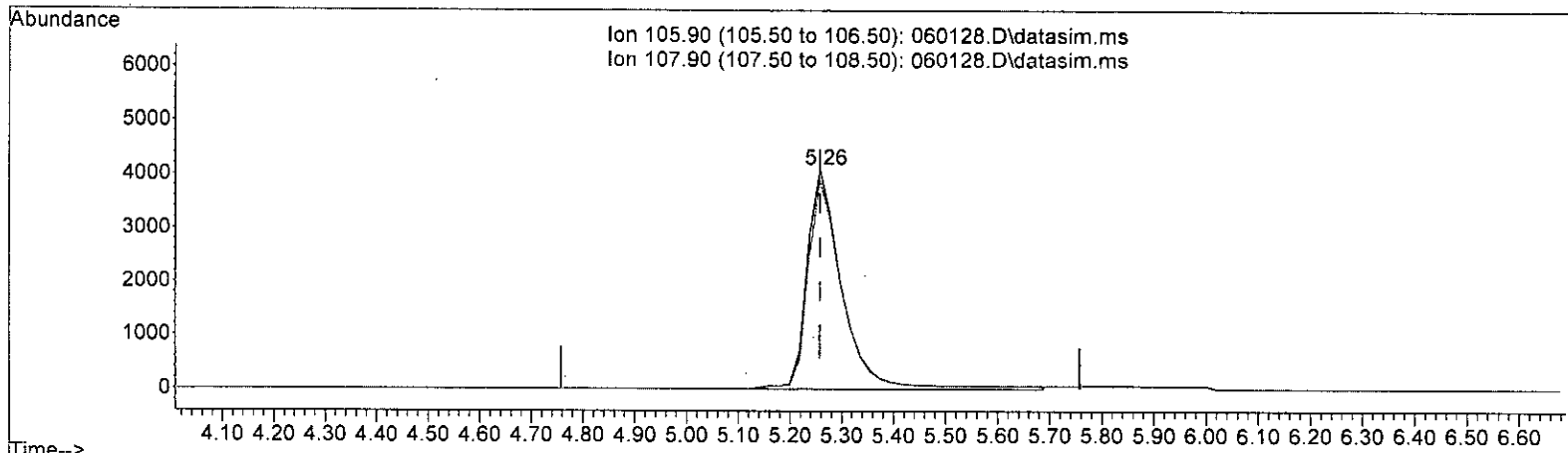
| (10) Chloroethane (TMP) | | |
|-------------------------|--------------|--------|
| 4.802min (+ 0.000) | 4.923 ppbv m | |
| response | 7189 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 35.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/6 SM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

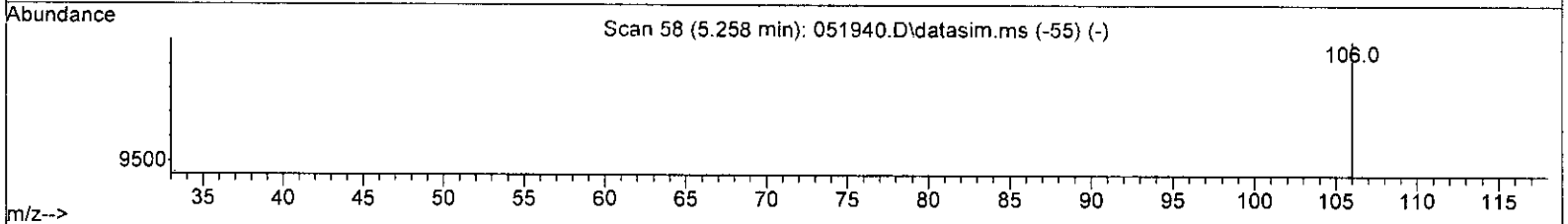
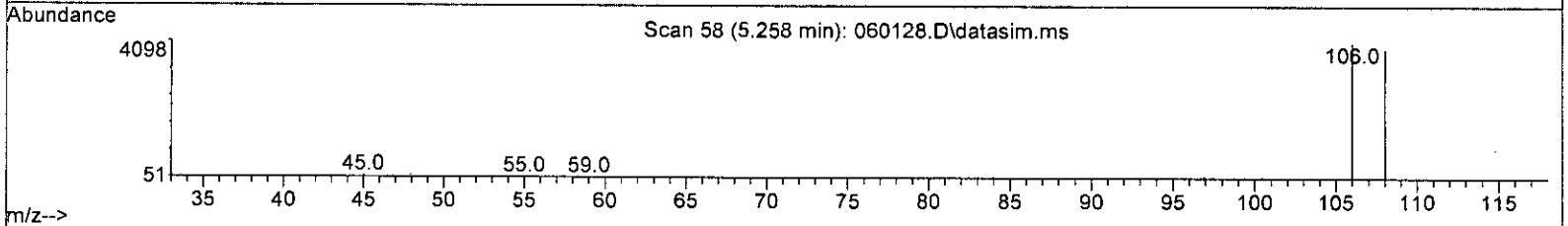
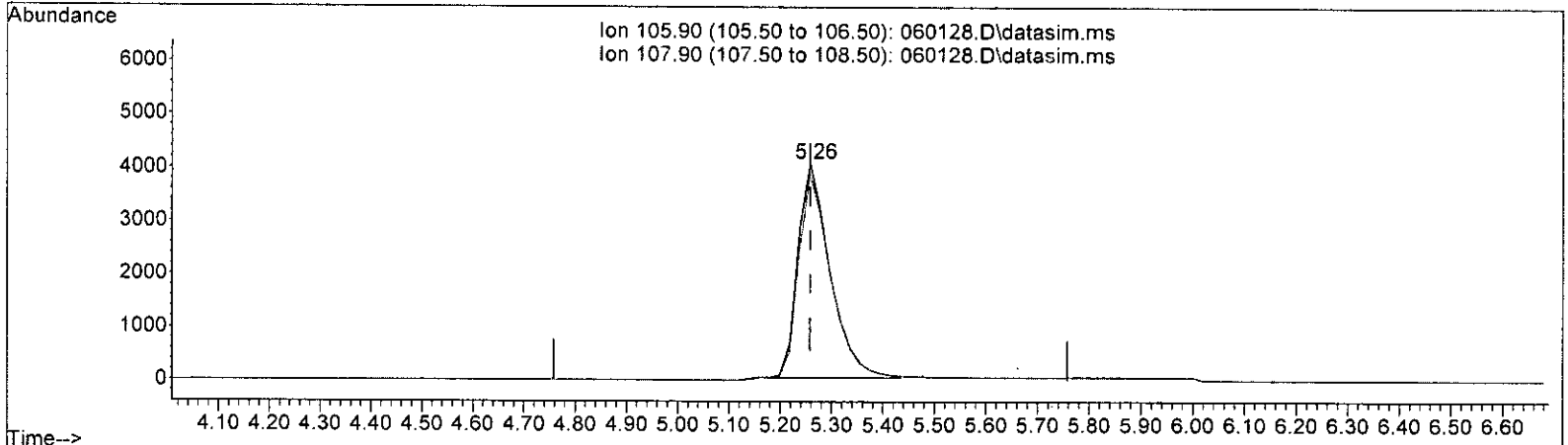
| (11) Vinyl bromide (TMP) | | |
|--------------------------|--------|--------|
| 5.258min (-0.000) | 5.866 | ppbv |
| response | 20682 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 95.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 sum

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

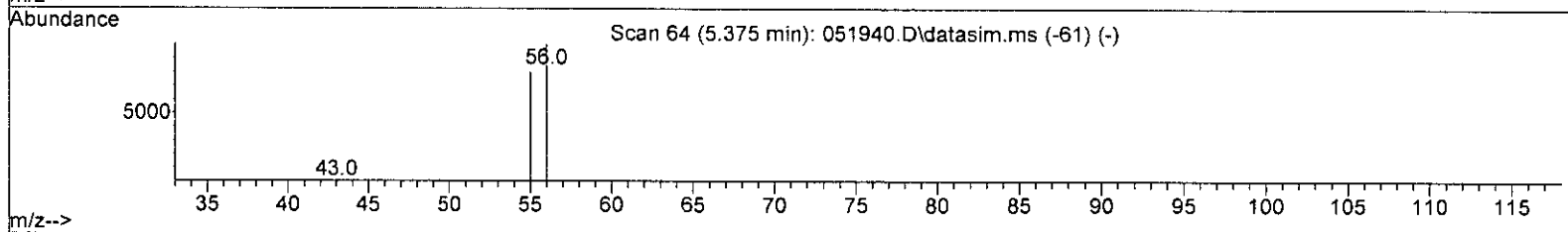
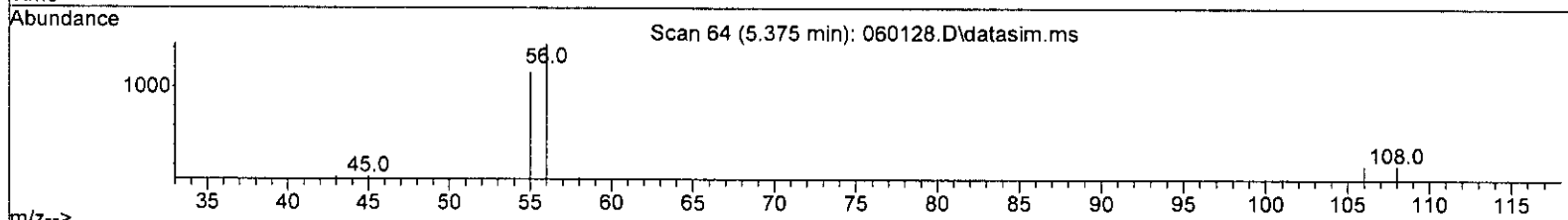
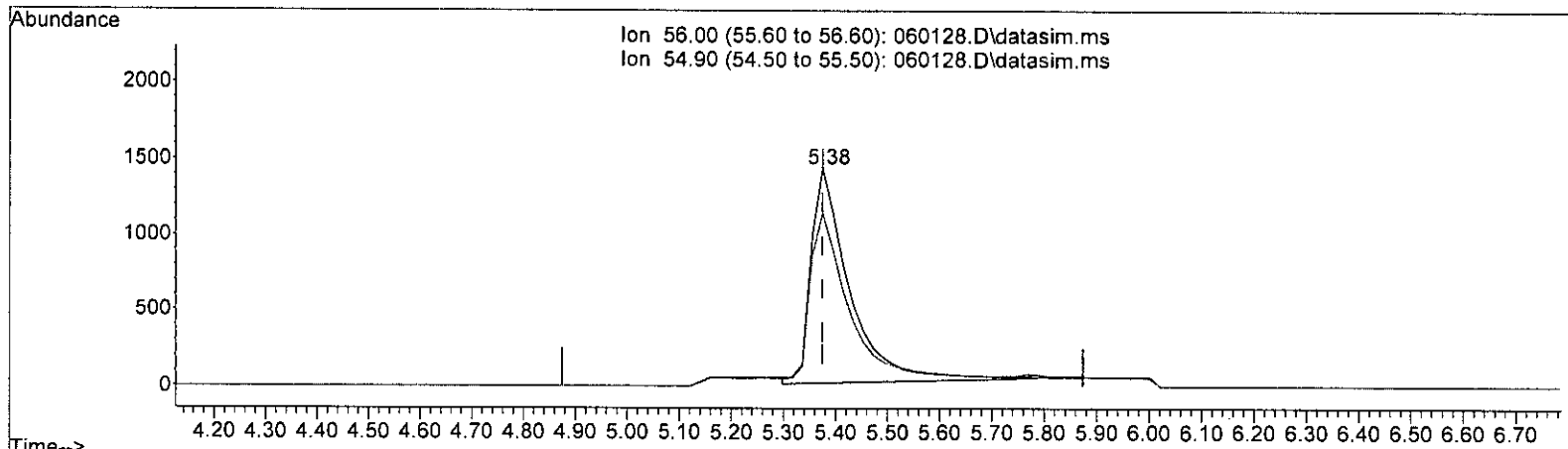
| (11) Vinyl bromide (TMP) | | | |
|--------------------------------|--------|--------|--|
| 5.258min (-0.000) 5.005 ppbv m | | | |
| response | 17644 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 111.40 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: S/O BM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

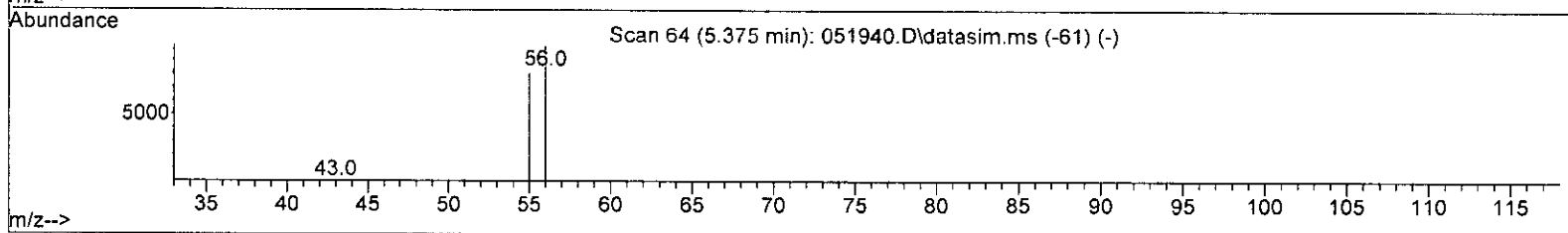
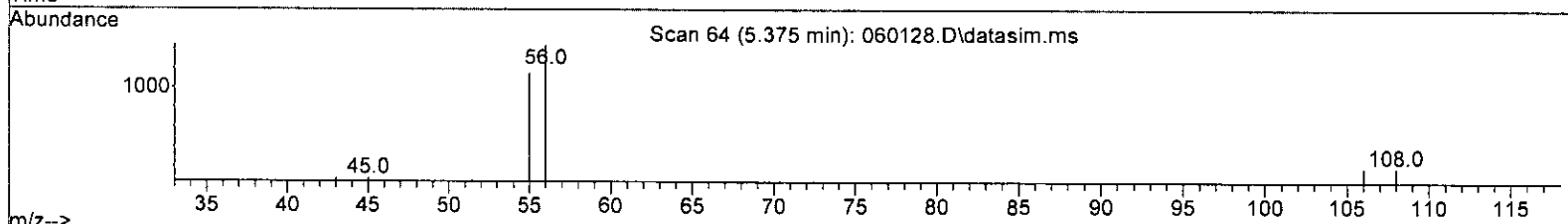
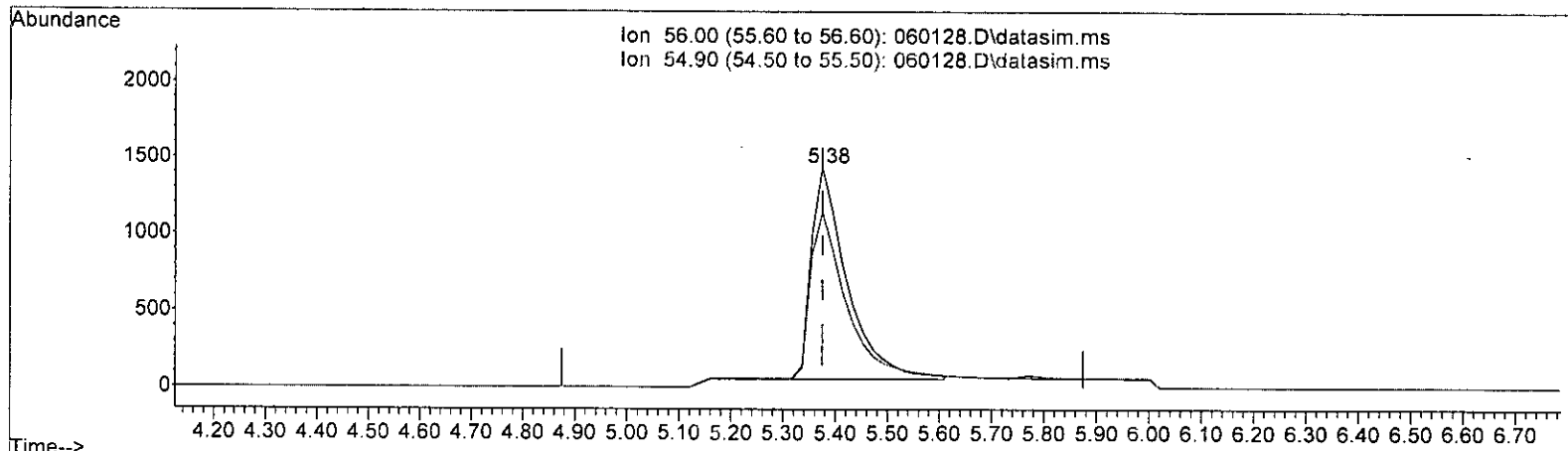
| (13) Acrolein (TMP) | | |
|---------------------|----------|---------------|
| Time | Response | Concentration |
| 5.375min (+ 0.000) | 7311 | 5.164 ppbv |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 80.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 06/06

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

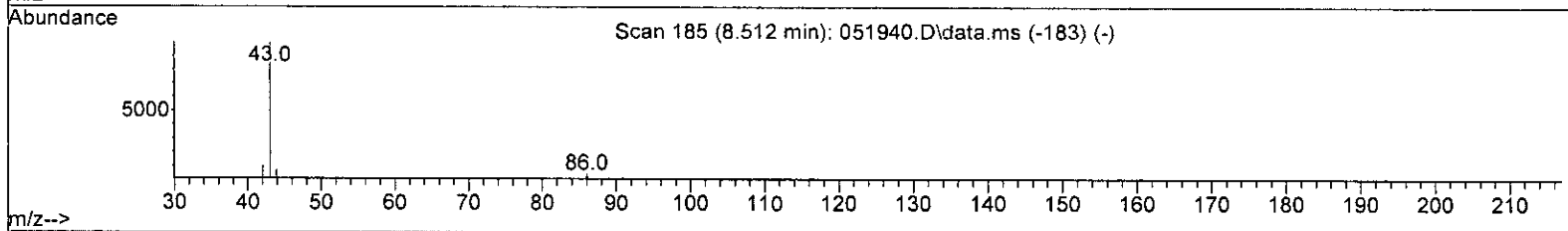
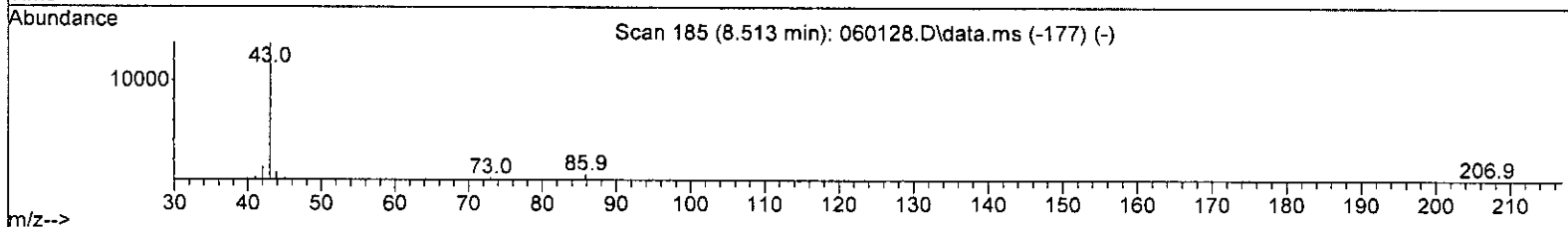
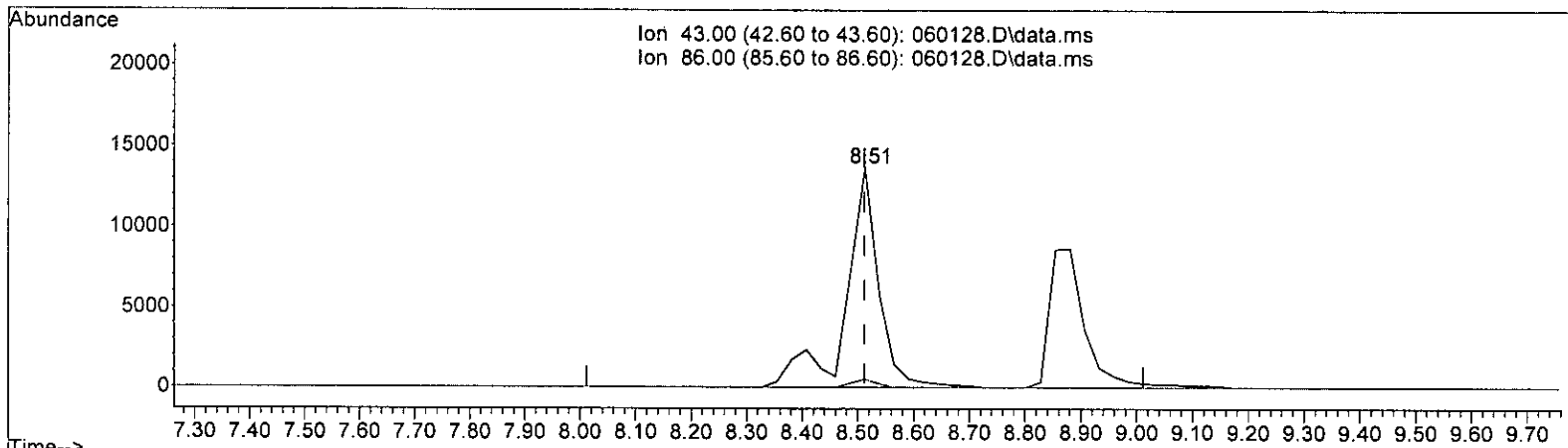
| (13) Acrolein (TMP) | | |
|---------------------|--------------|--------|
| 5.375min (+ 0.000) | 4.678 ppbv m | |
| response | 6622 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 89.01 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

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TIC: 060128.D\data.ms

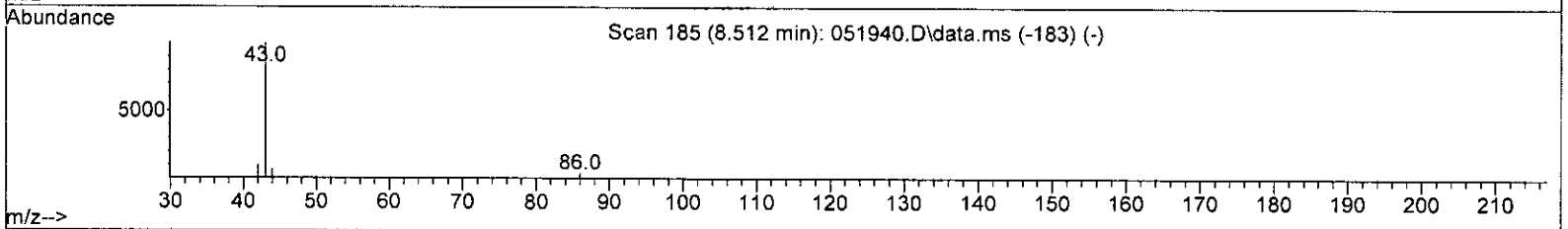
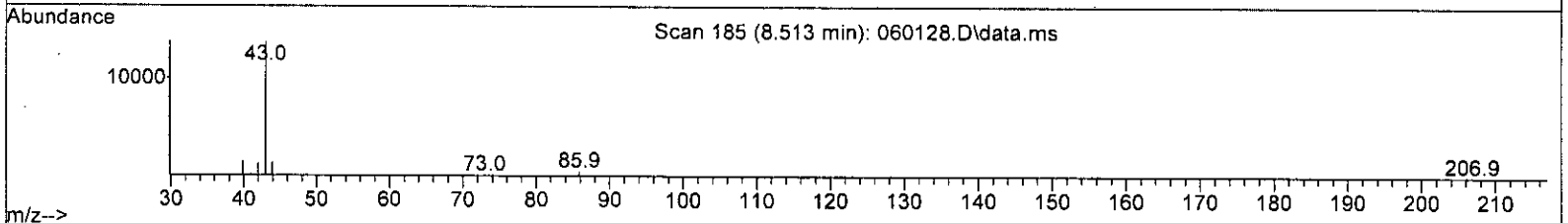
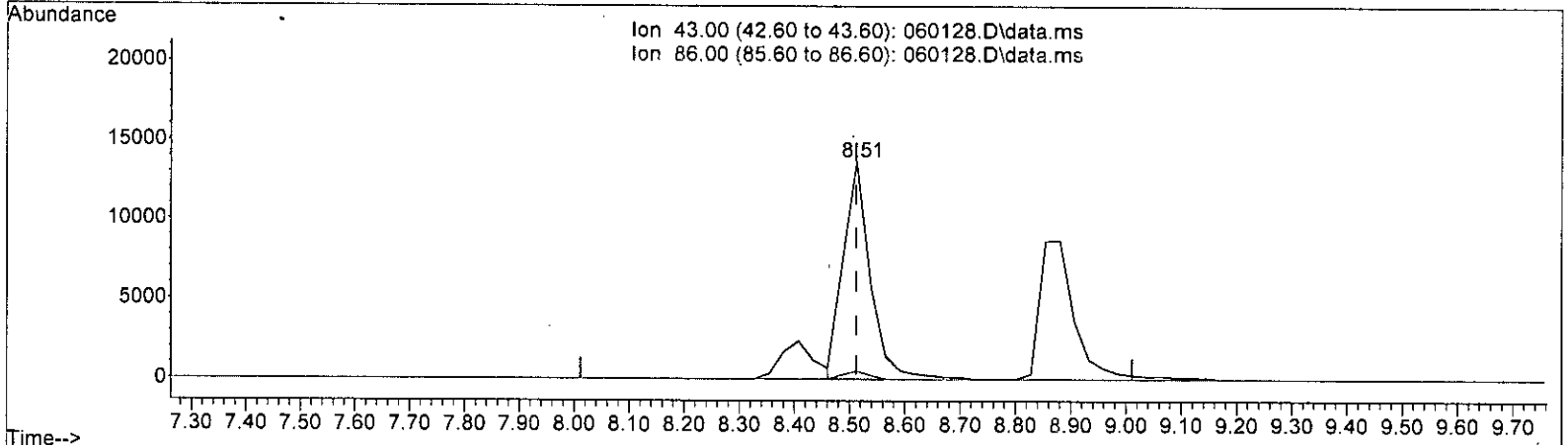
| (26) Vinyl acetate (TMP) | | |
|--------------------------|--------|--------|
| 8.513min (+ 0.001) | 6.076 | ppbv |
| response | 56094 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.79 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. G. Am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060128.D\data.ms

| (26) Vinyl acetate (TMP) | | | |
|--------------------------|---------------|----------|---------------|
| Retention Time | Concentration | Response | |
| 8.513min (+ 0.001) | 4.980 ppbv m | 45977 | <i>6/6 PM</i> |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 3.79 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 5.000 | 4.756 | 4.9 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 5.000 | 5.479 | -9.6 | 100 | 0.00 |
| 4 TMP Chloromethane | 5.000 | 5.262 | -5.2 | 100 | 0.00 |
| 5 TMP F-114 | 5.000 | 5.350 | -7.0 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 5.000 | 5.031 | -0.6 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 5.000 | 4.902 | 2.0 | 100 | 0.00 |
| 8 TMP Butane | 5.000 | 5.190 | -3.8 | 100 | 0.00 |
| 9 TMP Bromomethane | 5.000 | 5.343 | -6.9 | 100 | 0.00 |
| 10 TMP Chloroethane | 5.000 | 4.923 | 1.5 | 100 | 0.00 |
| 11 TMP Vinyl bromide | 5.000 | 5.005 | -0.1 | 100 | 0.00 |
| 12 TMP Ethanol | 5.000 | 4.708 | 5.8 | 100 | -0.04 |
| 13 TMP Acrolein | 5.000 | 4.678 | 6.4 | 97 | 0.00 |
| 14 TMP Pentane | 5.000 | 5.004 | -0.1 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 5.000 | 5.461 | -9.2 | 101 | -0.02 |
| 16 TMP Acetone | 5.000 | 5.050 | -1.0 | 100 | -0.02 |
| 17 TMP 2-Propanol | 5.000 | 5.162 | -3.2 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 5.000 | 4.894 | 2.1 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 5.000 | 4.926 | 1.5 | 100 | 0.00 |
| 20 TMP Methylene chloride | 5.000 | 5.079 | -1.6 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 5.000 | 5.046 | -0.9 | 100 | -0.03 |
| 22 TMP 3-Chloropropene | 5.000 | 5.013 | -0.3 | 100 | -0.03 |
| 23 TMP CFC-113 | 5.000 | 5.268 | -5.4 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 5.000 | 5.021 | -0.4 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 5.000 | 5.128 | -2.6 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 5.000 | 4.980 | 0.4 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 5.000 | 4.991 | 0.2 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 5.000 | 4.799 | 4.0 | 100 | 0.00 |
| 29 TMP Hexane | 5.000 | 4.978 | 0.4 | 100 | 0.00 |
| 30 TMP Chloroform | 5.000 | 4.787 | 4.3 | 100 | -0.02 |
| 31 TMP Ethyl acetate | 5.000 | 4.999 | 0.0 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 5.000 | 5.112 | -2.2 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 5.000 | 5.010 | -0.2 | 100 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 5.000 | 4.939 | 1.2 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 5.000 | 5.021 | -0.4 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 5.000 | 4.992 | 0.2 | 100 | 0.00 |
| 37 TMP Benzene | 5.000 | 4.705 | 5.9 | 100 | 0.00 |
| 38 TMP Cyclohexane | 5.000 | 5.196 | -3.9 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 5.000 | 5.169 | -3.4 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 5.000 | 5.097 | -1.9 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 5.000 | 5.194 | -3.9 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 5.000 | 5.255 | -5.1 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCM57\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCM57 Methods\0601T015ss7.M
 Quant Title : TO-15 55 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 5.000 | 5.208 | -4.2 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 5.000 | 5.138 | -2.8 | 100 | 0.00 |
| 46 TMP Trichloroethene | 5.000 | 5.031 | -0.6 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 5.000 | 5.305 | -6.1 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 5.000 | 5.102 | -2.0 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 5.000 | 5.103 | -2.1 | 100 | 0.00 |
| 50 TMP Toluene | 5.000 | 4.842 | 3.2 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 5.000 | 5.242 | -4.8 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 5.000 | 5.064 | -1.3 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 5.000 | 5.228 | -4.6 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 5.000 | 5.113 | -2.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 5.000 | 4.967 | 0.7 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 5.000 | 5.211 | -4.2 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 5.000 | 4.918 | 1.6 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 5.000 | 4.892 | 2.2 | 100 | -0.02 |
| 60 TMP Nonane | 5.000 | 5.091 | -1.8 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 5.000 | 5.181 | -3.6 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 5.000 | 5.114 | -2.3 | 100 | 0.00 |
| 63 TMP Propylbenzene | 5.000 | 5.280 | -5.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 5.000 | 5.337 | -6.7 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 10.000 | 9.602 | 4.0 | 100 | 0.00 |
| 66 TMP o-Xylene | 5.000 | 5.136 | -2.7 | 100 | 0.00 |
| 67 TMP Styrene | 5.000 | 5.509 | -10.2 | 100 | 0.00 |
| 68 TMP Bromoform | 5.000 | 5.147 | -2.9 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.356 | -3.6 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 5.000 | 5.460 | -9.2 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 5.000 | 5.395 | -7.9 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 5.000 | 5.490 | -9.8 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 5.000 | 5.330 | -6.6 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 5.000 | 5.296 | -5.9 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 5.000 | 5.458 | -9.2 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 5.000 | 5.403 | -8.1 | 100 | 0.00 |
| 77 TMP Naphthalene | 5.000 | 5.198 | -4.0 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 5.000 | 5.190 | -3.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.230 | 4.9 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.721 | -9.6 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.733 | -5.3 | 100 | 0.00 |
| 5 TMP F-114 | 4.259 | 4.558 | -7.0 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.860 | -0.6 | 100 | 0.00 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.187 | 2.0 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.534 | -3.8 | 100 | 0.00 |
| 9 TMP Bromomethane | 1.588 | 1.697 | -6.9 | 100 | 0.00 |
| 10 TMP Chloroethane | 0.685 | 0.675 | 1.5 | 100 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.656 | -0.1 | 100 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.599 | 6.0 | 100 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.622 | 6.3 | 97 | 0.00 |
| 14 TMP Pentane | 2.765 | 2.768 | -0.1 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 4.877 | -9.2 | 101 | -0.02 |
| 16 TMP Acetone | 0.689 | 0.696 | -1.0 | 100 | -0.02 |
| 17 TMP 2-Propanol | 3.342 | 3.450 | -3.2 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.553 | 2.1 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.545 | 1.5 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.508 | -1.5 | 100 | 0.00 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 2.973 | -0.9 | 100 | -0.03 |
| 22 TMP 3-Chloropropene | 2.167 | 2.173 | -0.3 | 100 | -0.03 |
| 23 TMP CFC-113 | 3.396 | 3.578 | -5.4 | 100 | -0.03 |
| 24 TMP Carbon disulfide | 5.043 | 5.064 | -0.4 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.657 | -2.6 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.315 | 0.4 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.405 | 0.2 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.635 | 4.0 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 2.060 | 0.5 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 3.834 | 4.3 | 100 | -0.02 |
| 31 TMP Ethyl acetate | 3.933 | 3.933 | 0.0 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.888 | -2.2 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.607 | -0.2 | 100 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.535 | 1.2 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.492 | -0.4 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.530 | 0.2 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.144 | 5.9 | 100 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.408 | -3.9 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.622 | -3.5 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.270 | -1.9 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.878 | -3.9 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.580 | -5.1 | 100 | 0.00 |

Evaluate Continuing Calibration Report

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 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.649 | -4.2 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.000 | -2.7 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.618 | -0.5 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.731 | -6.1 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.048 | -2.1 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.709 | -2.0 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.767 | 3.2 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.601 | -4.9 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.964 | -1.3 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.508 | -4.5 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.965 | -2.2 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.927 | 0.6 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.115 | -4.2 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.709 | 1.7 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.498 | 2.2 | 100 | -0.02 |
| 60 TMP Nonane | 0.750 | 0.764 | -1.9 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.551 | -3.6 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.411 | -2.5 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.188 | -5.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.567 | -6.7 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.596 | 3.9 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.541 | -2.7 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.845 | -10.2 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.968 | -3.0 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.734 | -3.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.478 | -9.2 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.430 | -7.9 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.286 | -9.8 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.122 | -6.6 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.046 | -5.9 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.111 | -9.2 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.862 | -8.0 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.411 | -14.8 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.144 | -3.7 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 21309 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 84905 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 76321 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56020 | 10.356 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 103.60% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 13109 | 4.756 | ppbv | 92 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 50295 | 5.479 | ppbv | 100 |
| 4] Chloromethane | 3.69 | 50 | 18462 | 5.262 | ppbv | 95 |
| 5) F-114 | 3.88 | 85 | 48558 | 5.350 | ppbv | 91 |
| 6] Vinyl chloride | 4.01 | 62 | 19822 | 5.031 | ppbv | 96 |
| 7] 1,3-Butadiene | 4.21 | 54 | 12649 | 4.902 | ppbv # | 84 |
| 8) Butane | 4.28 | 43 | 26995 | 5.190 | ppbv | 96 |
| 9) Bromomethane | 4.56 | 94 | 18085 | 5.343 | ppbv | 97 |
| 10] Chloroethane | 4.80 | 64 | 7189m | 4.923 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 17644m | 5.005 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 6386 | 4.708 | ppbv | 88 |
| 13] Acrolein | 5.38 | 56 | 6622m | 4.678 | ppbv | |
| 14) Pentane | 6.25 | 43 | 29491 | 5.004 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 51966 | 5.461 | ppbv | 98 |
| 16) Acetone | 5.53 | 58 | 7420 | 5.050 | ppbv | 95 |
| 17) 2-Propanol | 5.78 | 45 | 36762 | 5.162 | ppbv | 99 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 16547 | 4.894 | ppbv | 92 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 16459 | 4.926 | ppbv # | 69 |
| 20) Methylene chloride | 6.75 | 84 | 16068 | 5.079 | ppbv | 94 |
| 21) t-Butyl alcohol (TBA) | 6.54 | 59 | 31677 | 5.046 | ppbv # | 79 |
| 22) 3-Chloropropene | 6.91 | 41 | 23149 | 5.013 | ppbv | 99 |
| 23) CFC-113 | 7.12 | 101 | 38119 | 5.268 | ppbv | 95 |
| 24) Carbon disulfide | 7.25 | 76 | 53959 | 5.021 | ppbv | 98 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 38961 | 5.128 | ppbv | 99 |
| 26) Vinyl acetate | 8.51 | 43 | 45977m | 4.980 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 36283 | 4.991 | ppbv | 98 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 17425 | 4.799 | ppbv | 93 |
| 29) Hexane | 9.99 | 57 | 21953 | 4.978 | ppbv | 92 |
| 30] Chloroform | 10.05 | 83 | 40851 | 4.787 | ppbv | 95 |
| 31) Ethyl acetate | 9.90 | 43 | 41903 | 4.999 | ppbv # | 99 |
| 32) Tetrahydrofuran | 10.71 | 42 | 20115 | 5.112 | ppbv | 93 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 6471 | 5.010 | ppbv # | 92 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 27007 | 4.939 | ppbv | 99 |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 37205 | 5.021 | ppbv | 97 |
| 36] Carbon tetrachloride | 12.83 | 117 | 37613 | 4.992 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 54806 | 4.705 | ppbv | 97 |
| 38) Cyclohexane | 13.04 | 84 | 15001 | 5.196 | ppbv | 94 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 26400 | 5.169 | ppbv | 100 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

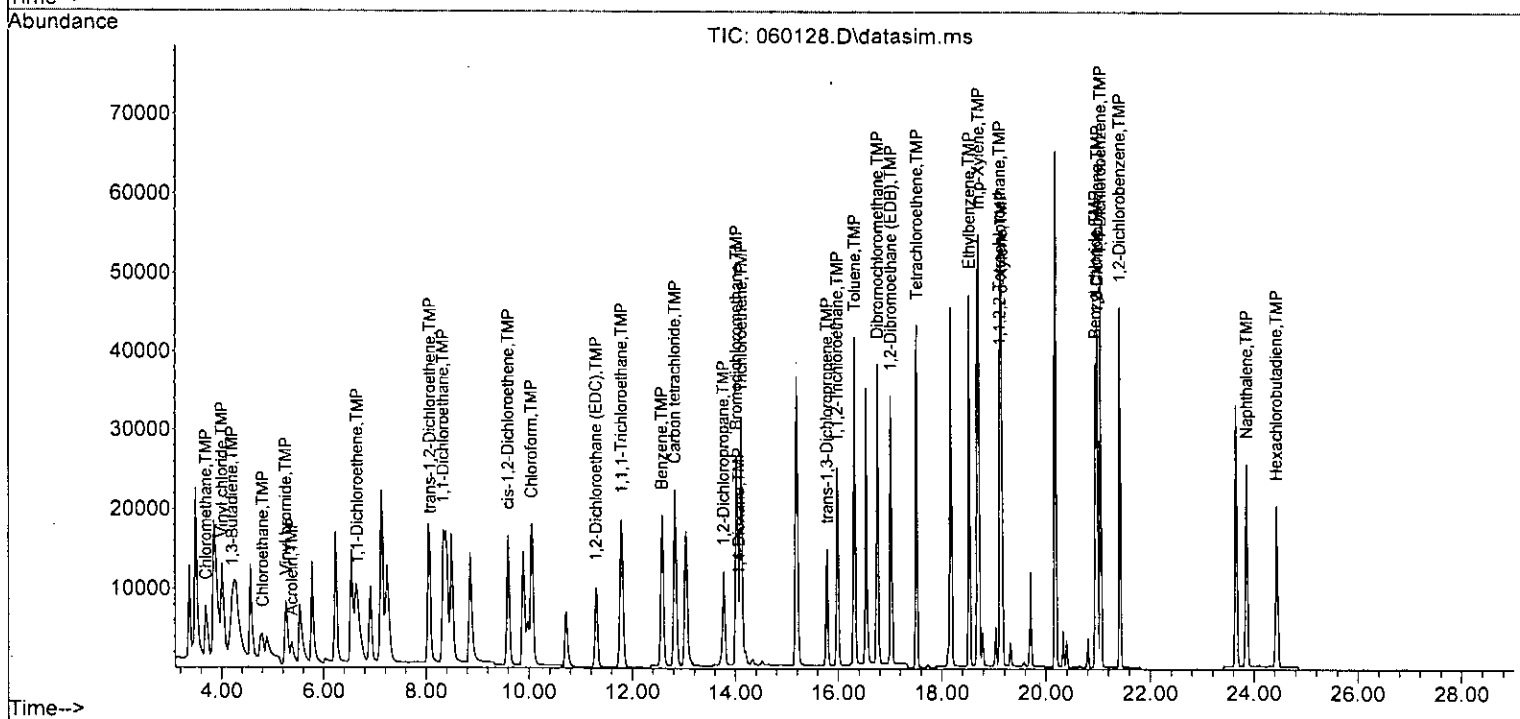
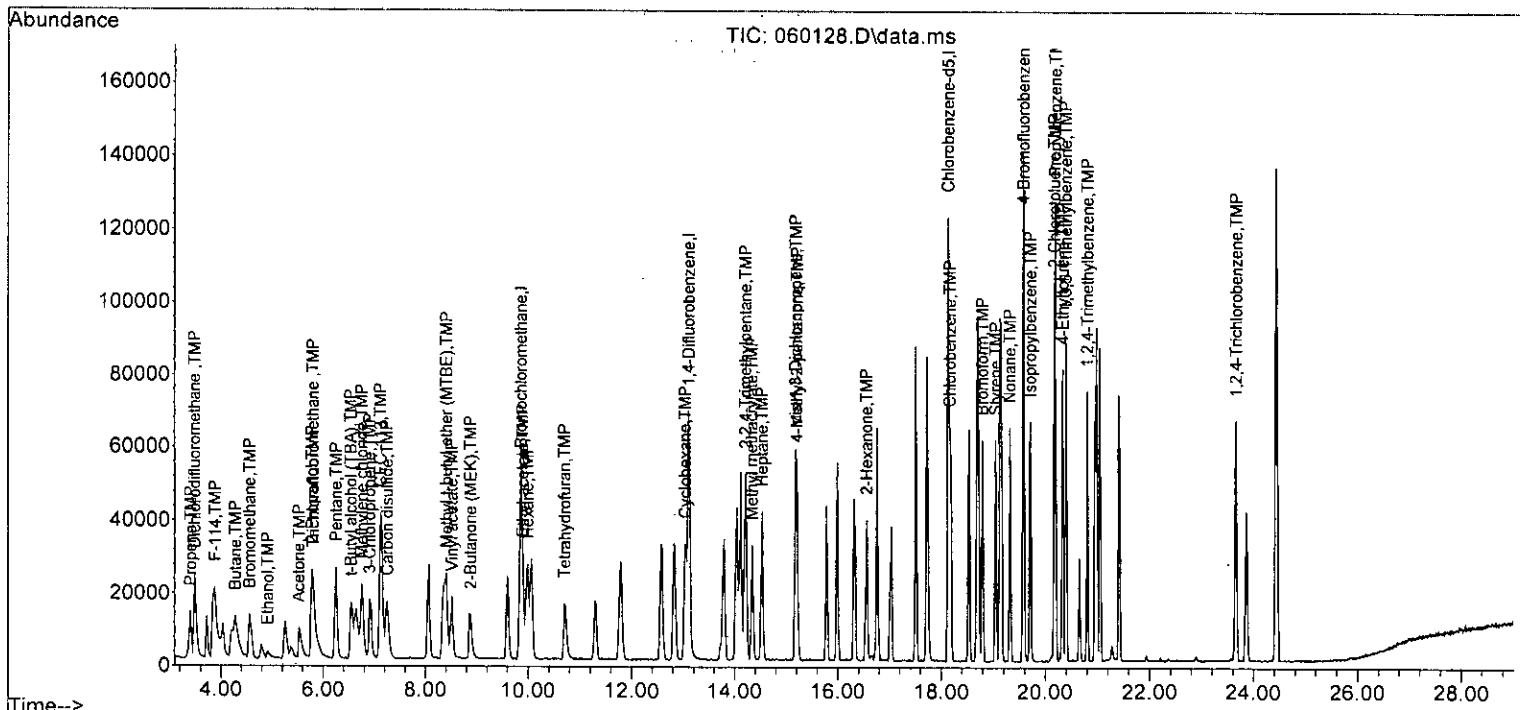
Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 11460 | 5.097 | ppbv | 78 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 79710 | 5.194 | ppbv | 96 |
| 43) Methyl methacrylate | 14.34 | 41 | 24640 | 5.255 | ppbv | 96 |
| 44) Heptane | 14.53 | 43 | 27566 | 5.208 | ppbv | 95 |
| 45] Bromodichloromethane | 14.02 | 83 | 42473 | 5.138 | ppbv | 98 |
| 46] Trichloroethene | 14.12 | 95 | 26253 | 5.031 | ppbv | 97 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 31047 | 5.305 | ppbv | 96 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 2030 | 5.102 | ppbv # | 91 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 30095 | 5.103 | ppbv | 87 |
| 50] Toluene | 16.31 | 92 | 32569 | 4.842 | ppbv | 86 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 25519 | 5.242 | ppbv | 97 |
| 52) 2-Hexanone | 16.56 | 43 | 40924 | 5.064 | ppbv | 99 |
| 53] Tetrachloroethene | 17.52 | 164 | 21567 | 5.228 | ppbv | 96 |
| 54] Dibromochloromethane | 16.76 | 129 | 40985 | 5.113 | ppbv | 91 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 39339 | 4.967 | ppbv | 85 |
| 57) Chlorobenzene | 18.17 | 112 | 42555 | 5.211 | ppbv | 95 |
| 58] Ethylbenzene | 18.53 | 91 | 65214 | 4.918 | ppbv | 97 |
| 59] 1,1,2,2-Tetrachloroethane | 19.12 | 83 | 57176 | 4.892 | ppbv | 90 |
| 60) Nonane | 19.32 | 43 | 29159 | 5.091 | ppbv | 95 |
| 61) Isopropylbenzene | 19.72 | 105 | 59199 | 5.181 | ppbv | 99 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 15666 | 5.114 | ppbv | 91 |
| 63) Propylbenzene | 20.19 | 91 | 121661 | 5.280 | ppbv | 97 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 59808 | 5.337 | ppbv | 98 |
| 65] m,p-Xylene | 18.70 | 106 | 45467 | 9.602 | ppbv | 97 |
| 66] o-Xylene | 19.15 | 106 | 20645 | 5.136 | ppbv | 99 |
| 67) Styrene | 19.05 | 104 | 32242 | 5.509 | ppbv | 98 |
| 68) Bromoform | 18.80 | 173 | 36932 | 5.147 | ppbv | 99 |
| 70] Benzyl chloride | 20.95 | 91 | 56393 | 5.460 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 54579 | 5.395 | ppbv | 97 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 49065 | 5.490 | ppbv | 97 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 42829 | 5.330 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 39919 | 5.296 | ppbv | 94 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 42388 | 5.458 | ppbv | 97 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 32908 | 5.403 | ppbv | 95 |
| 77] Naphthalene | 23.86 | 128 | 53831 | 5.198 | ppbv | 98 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 43674 | 5.190 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060128.D
 Acq On : 2 Jun 2023 6:09 am
 Operator : bat
 Sample : 5.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 28 Sample Multiplier: 1
 InstName : GCMS7

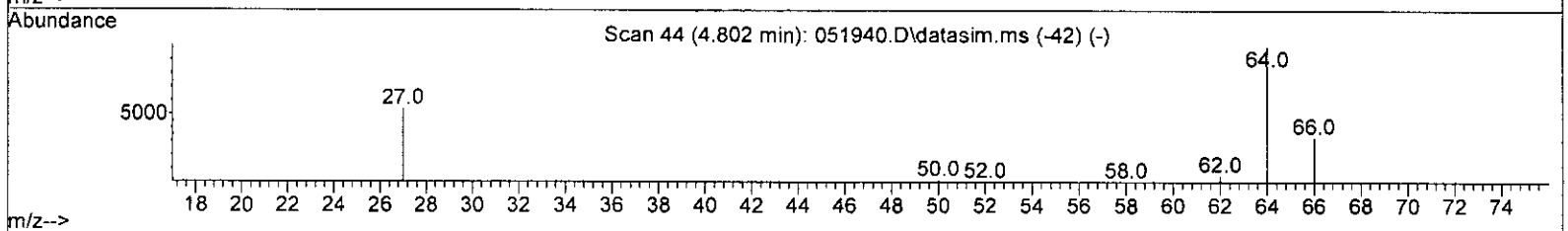
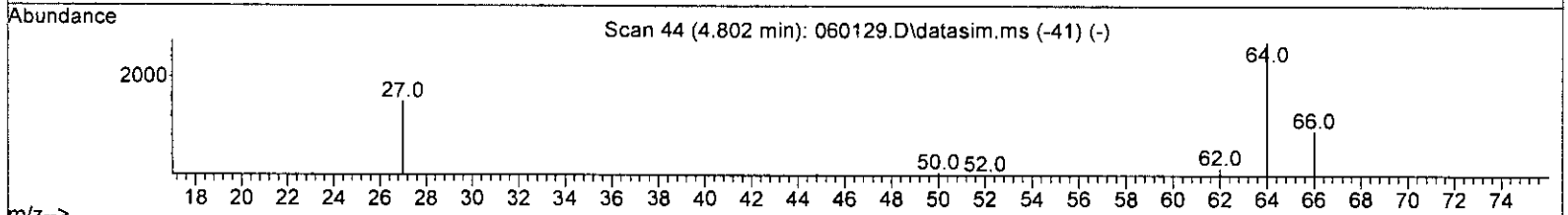
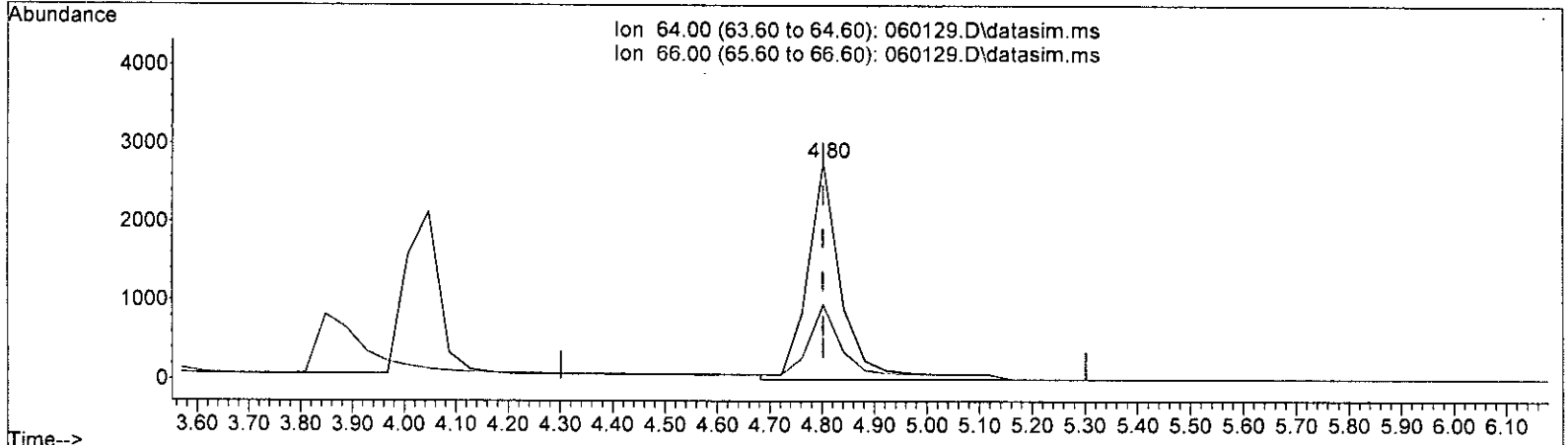
Quant Time: Jun 06 13:07:03 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

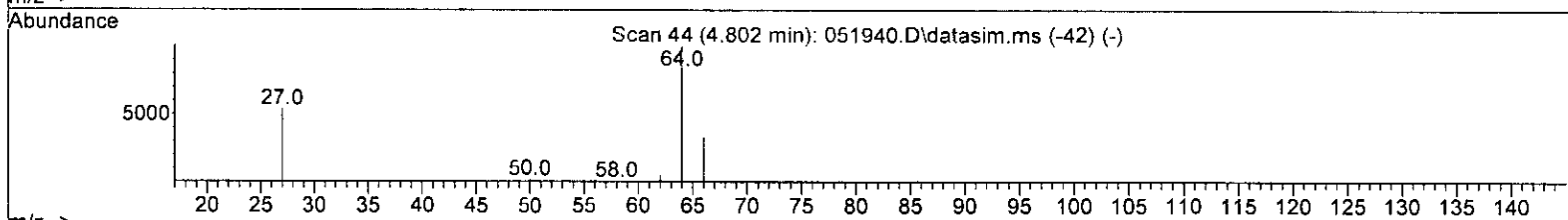
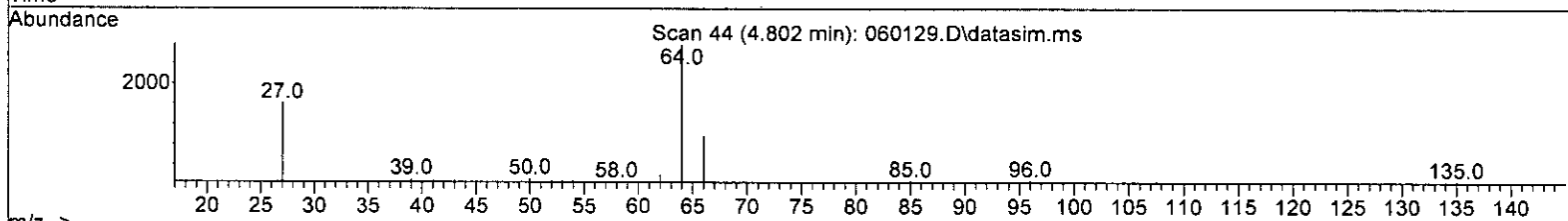
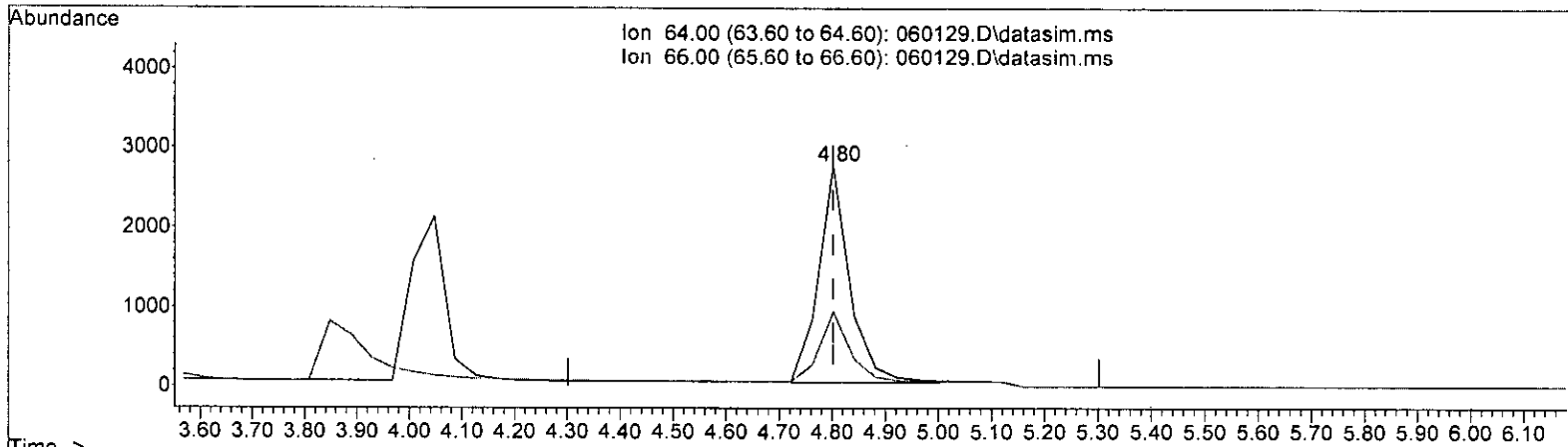
| (10) Chloroethane (TMP) | | |
|-------------------------|--------|--------|
| 4.802min (+ 0.000) | 8.475 | ppbv |
| response | 12061 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 34.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. G. G.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

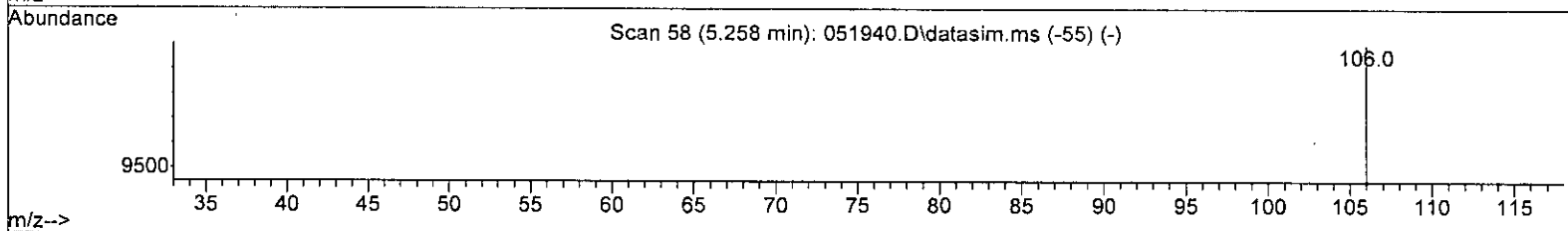
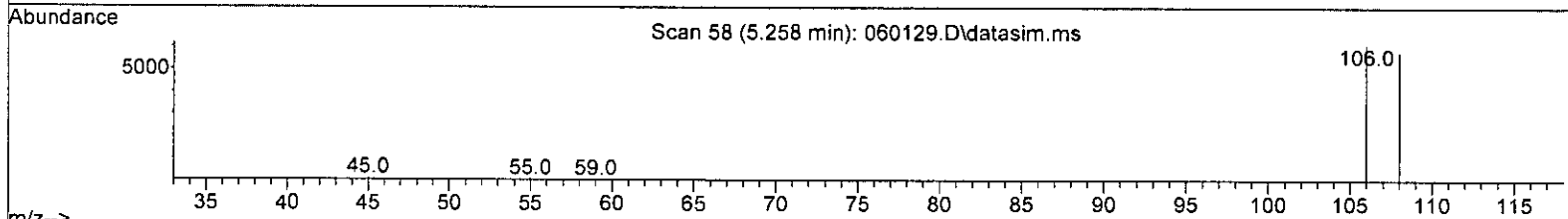
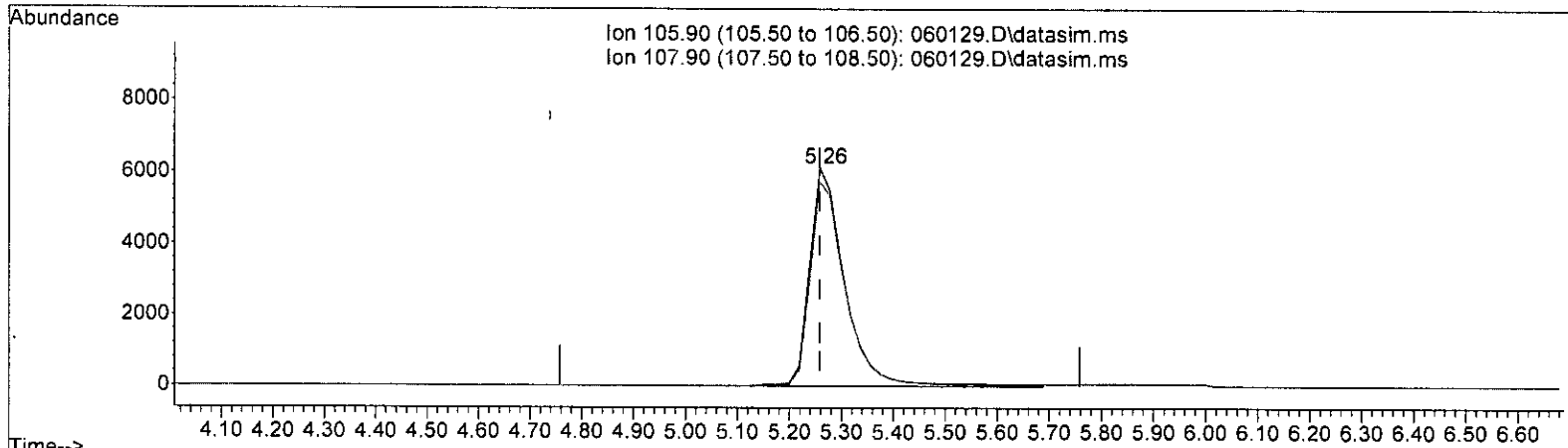
| (10) Chloroethane (TMP) | | | |
|---------------------------------|--------|--------|--|
| 4.802min (+ 0.000) 7.787 ppbv m | | | |
| response | 11082 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 34.17 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: G. G. G.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



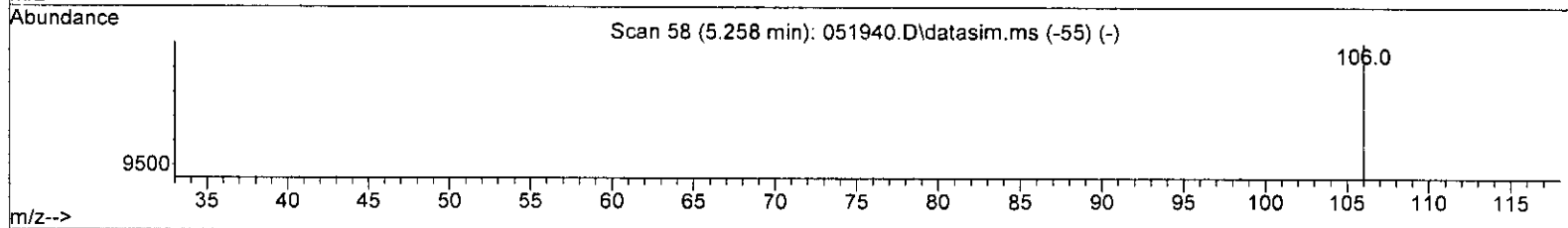
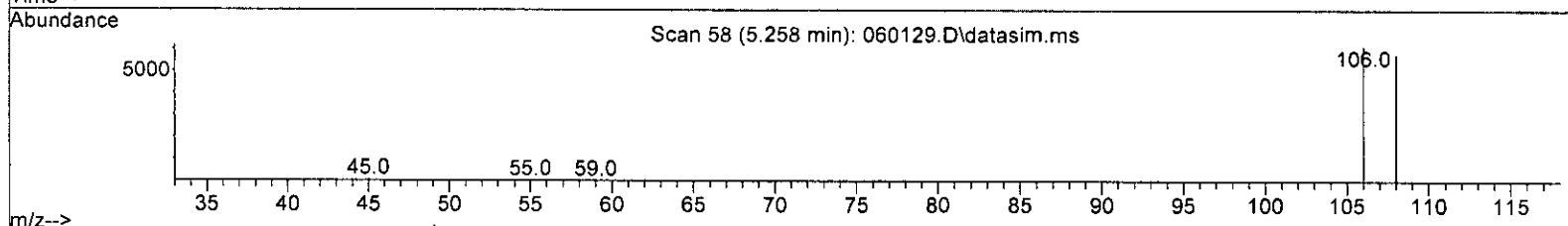
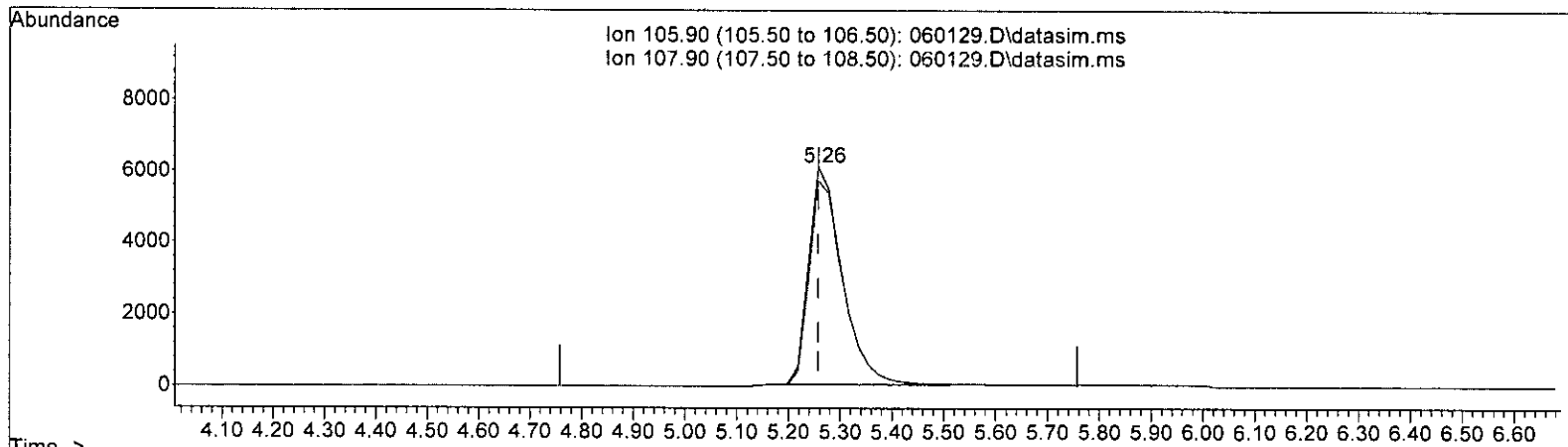
TIC: 060129.D\data.ms

| (11) Vinyl bromide (TMP) | | | |
|--------------------------|--------|--------|-----------------|
| 5.258min (-0.000) | 8.997 | ppbv | <i>6/6 5/17</i> |
| response | 30913 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 95.14 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv TO15 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 060129.D\data.ms

(11) Vinyl bromide (TMP)

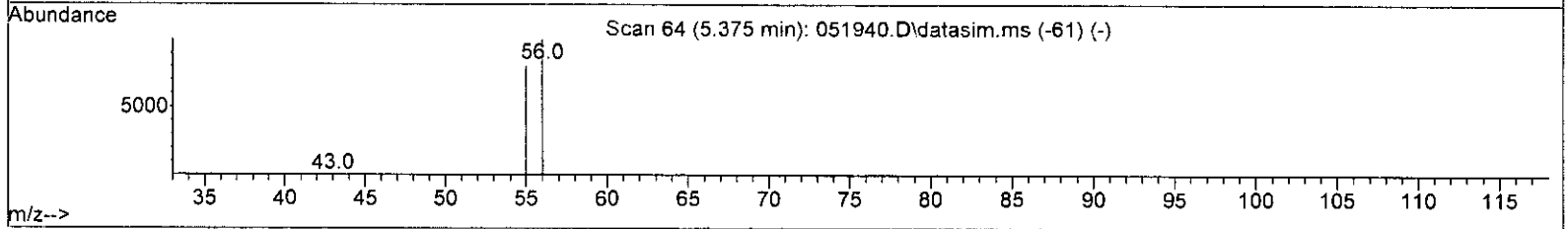
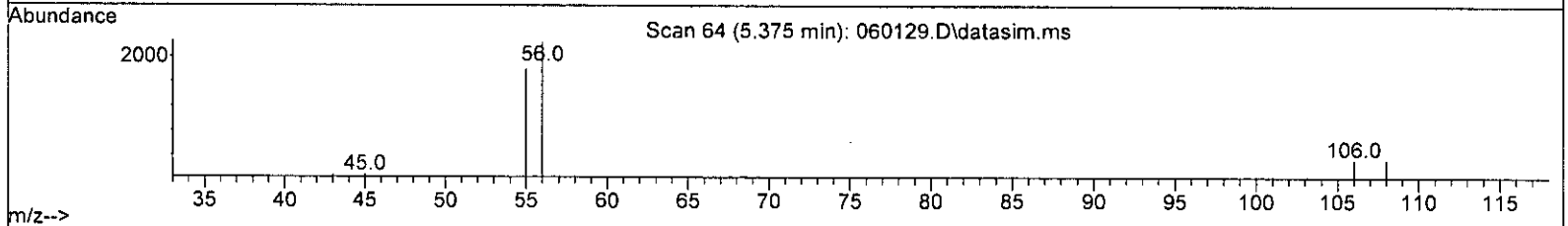
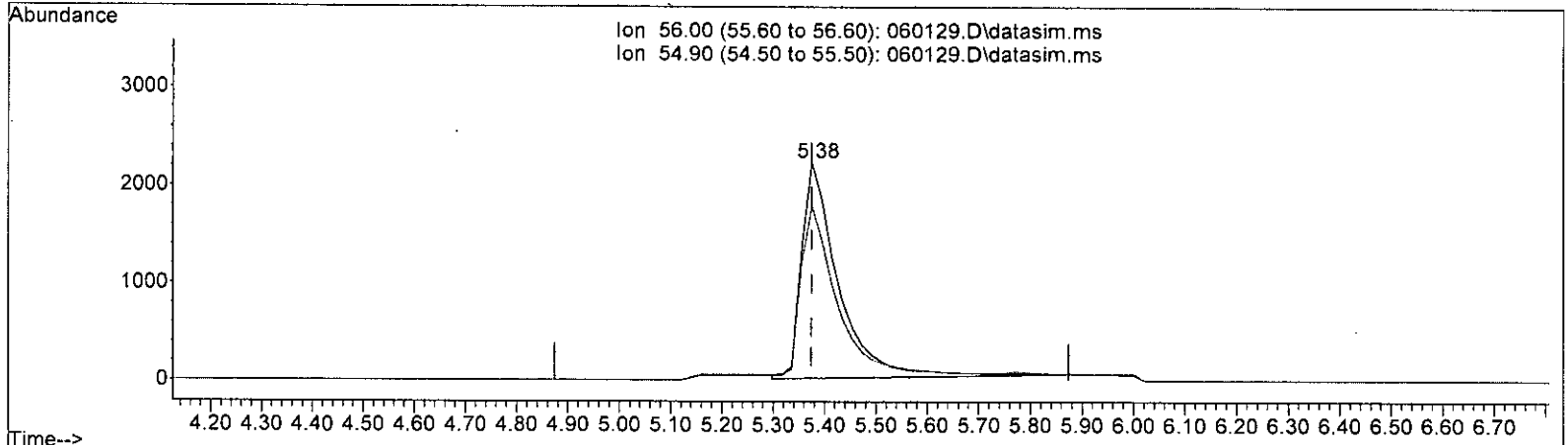
5.258min (-0.000) 7.906 ppbv m

| response | 27164 | <i>66</i> <i>Don</i> | |
|----------|--------|----------------------|--|
| Ion | Exp% | | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 108.27 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

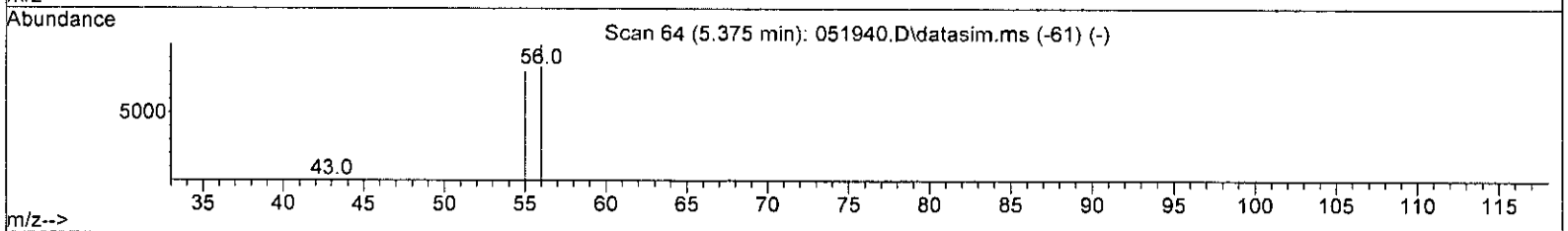
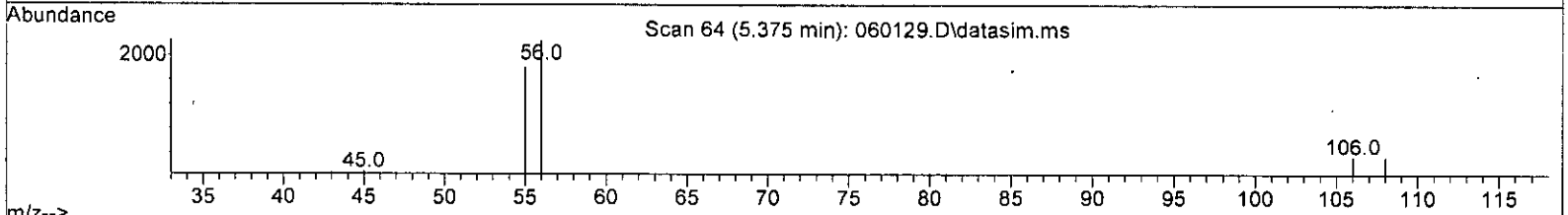
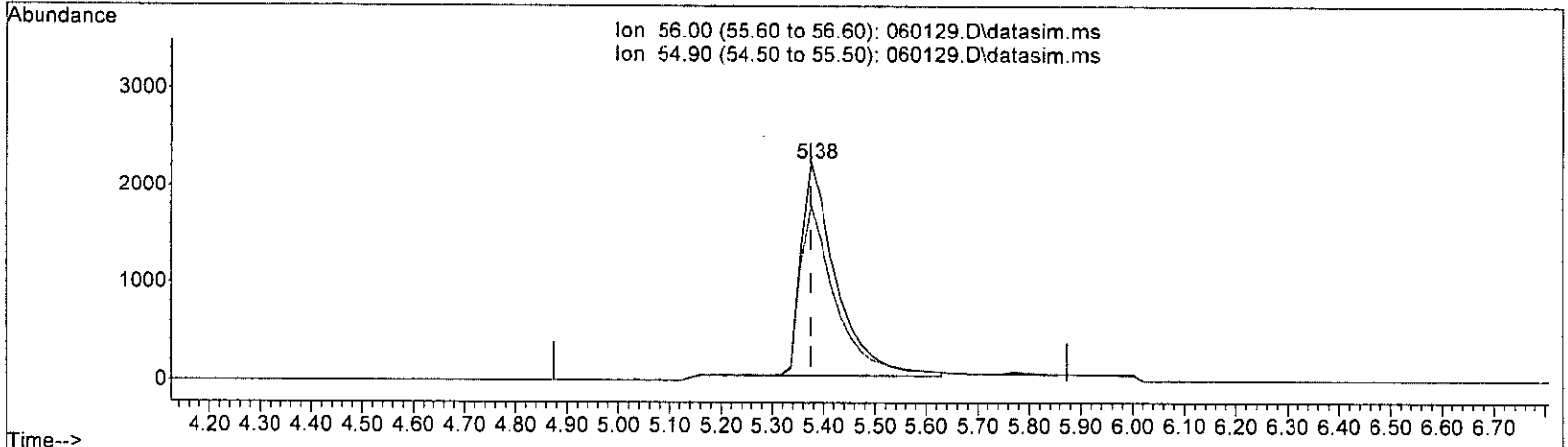
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 8.038 | ppbv |
| response | 11090 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 80.12 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

(13) Acrolein (TMP)

| Time (min) | Response | Concentration (ppbv) |
|--------------------|----------|----------------------|
| 5.375min (+ 0.000) | 10451 | 7.575 ppbv m |

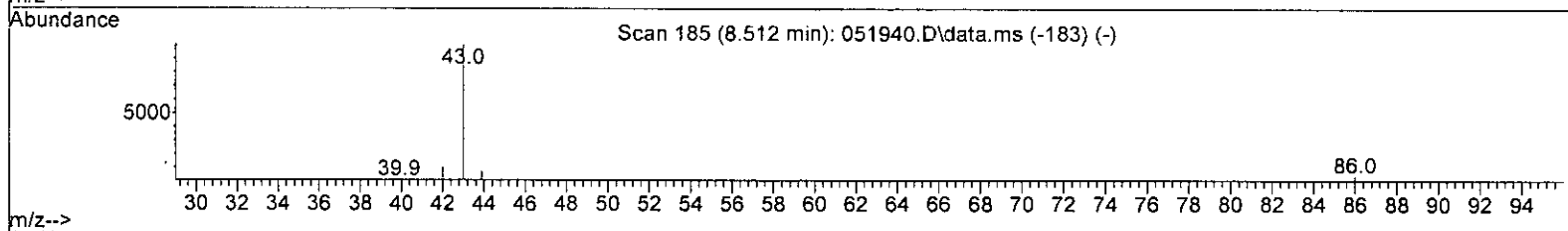
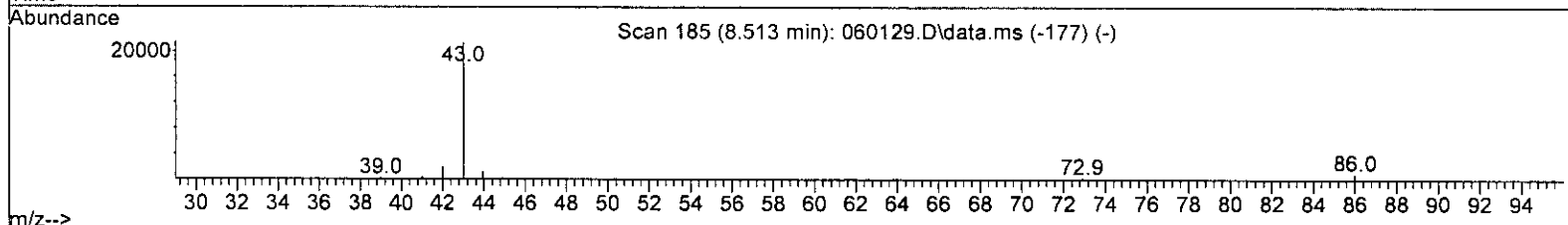
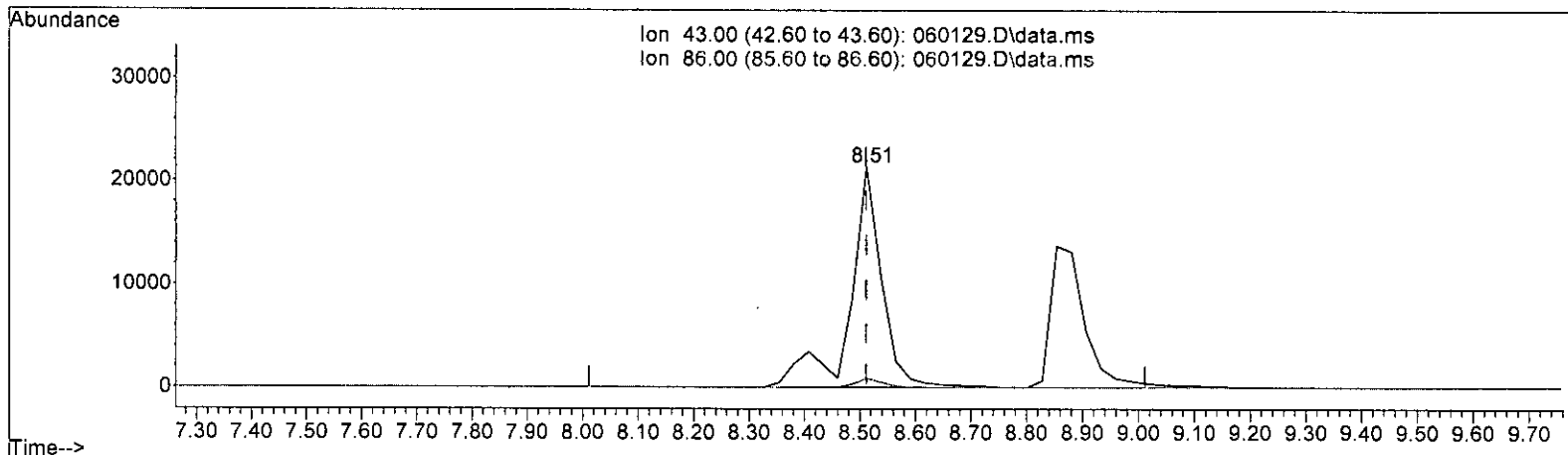
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 85.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 Bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

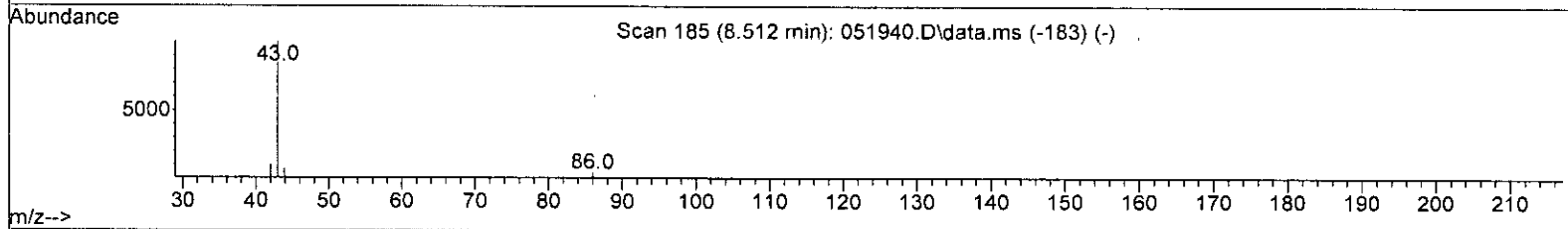
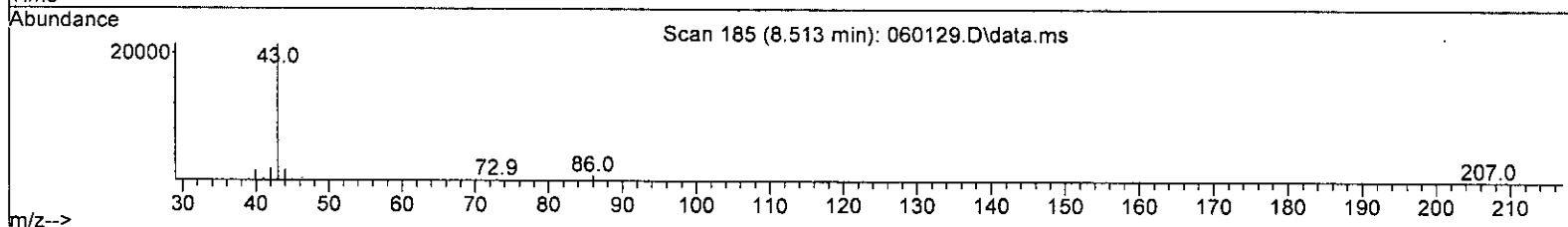
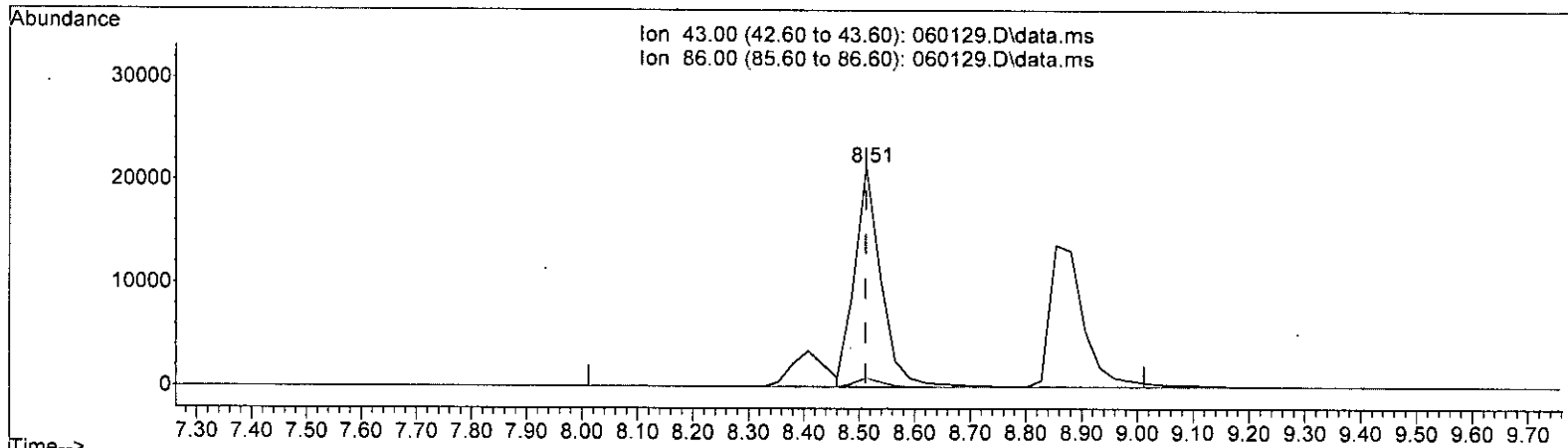
| (26) Vinyl acetate (TMP) | | |
|--------------------------|------------|--------|
| 8.513min (+ 0.001) | 9.471 ppbv | |
| response | 85215 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.98 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G/L

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060129.D\data.ms

| (26) Vinyl acetate (TMP) | | | |
|--------------------------|--------------|--------|--|
| 8.513min (+ 0.001) | 7.836 ppbv m | | |
| response | 70506 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 3.98 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: 6/6 bat

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|------|-------|----------|
| 1 I | Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 8.000 | 8.333 | -4.2 | 100 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 8.000 | 8.466 | -5.8 | 100 | 0.00 |
| 4 TMP | Chloromethane | 8.000 | 7.170 | 10.4 | 100 | 0.04 |
| 5 TMP | F-114 | 8.000 | 8.224 | -2.8 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 8.000 | 7.789 | 2.6 | 100 | 0.04 |
| 7 TMP | 1,3-Butadiene | 8.000 | 8.008 | -0.1 | 100 | 0.00 |
| 8 TMP | Butane | 8.000 | 8.043 | -0.5 | 100 | 0.04 |
| 9 TMP | Bromomethane | 8.000 | 7.916 | 1.0 | 100 | 0.04 |
| 10 TMP | Chloroethane | 8.000 | 7.787 | 2.7 | 101 | 0.00 |
| 11 TMP | Vinyl bromide | 8.000 | 7.906 | 1.2 | 100 | 0.00 |
| 12 TMP | Ethanol | 8.000 | 7.358 | 8.0 | 100 | -0.04 |
| 13 TMP | Acrolein | 8.000 | 7.575 | 5.3 | 100 | 0.00 |
| 14 TMP | Pentane | 8.000 | 7.873 | 1.6 | 100 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 8.000 | 8.637 | -8.0 | 100 | 0.00 |
| 16 TMP | Acetone | 8.000 | 8.165 | -2.1 | 100 | -0.02 |
| 17 TMP | 2-Propanol | 8.000 | 8.261 | -3.3 | 100 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 8.000 | 7.741 | 3.2 | 100 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 8.000 | 7.755 | 3.1 | 100 | 0.00 |
| 20 TMP | Methylene chloride | 8.000 | 8.026 | -0.3 | 100 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 8.000 | 7.819 | 2.3 | 100 | 0.00 |
| 22 TMP | 3-Chloropropene | 8.000 | 8.114 | -1.4 | 100 | 0.00 |
| 23 TMP | CFC-113 | 8.000 | 8.039 | -0.5 | 100 | 0.00 |
| 24 TMP | Carbon disulfide | 8.000 | 7.919 | 1.0 | 100 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 8.000 | 8.056 | -0.7 | 100 | 0.00 |
| 26 TMP | Vinyl acetate | 8.000 | 7.836 | 2.0 | 100 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 8.000 | 7.807 | 2.4 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 8.000 | 7.556 | 5.5 | 100 | 0.00 |
| 29 TMP | Hexane | 8.000 | 8.013 | -0.2 | 100 | 0.00 |
| 30 TMP | Chloroform | 8.000 | 7.453 | 6.8 | 99 | 0.00 |
| 31 TMP | Ethyl acetate | 8.000 | 7.803 | 2.5 | 100 | 0.00 |
| 32 TMP | Tetrahydrofuran | 8.000 | 7.995 | 0.1 | 100 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 8.000 | 8.041 | -0.5 | 100 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 8.000 | 7.620 | 4.7 | 101 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 8.000 | 7.671 | 4.1 | 100 | 0.00 |
| 36 TMP | Carbon tetrachloride | 8.000 | 7.722 | 3.5 | 100 | 0.00 |
| 37 TMP | Benzene | 8.000 | 7.279 | 9.0 | 100 | 0.00 |
| 38 TMP | Cyclohexane | 8.000 | 8.117 | -1.5 | 100 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 8.000 | 7.699 | 3.8 | 101 | 0.00 |
| 41 TMP | 1,4-Dioxane | 8.000 | 7.847 | 1.9 | 101 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 8.000 | 8.002 | -0.0 | 100 | 0.00 |
| 43 TMP | Methyl methacrylate | 8.000 | 7.837 | 2.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 8.000 | 8.019 | -0.2 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 8.000 | 7.752 | 3.1 | 100 | 0.00 |
| 46 TMP Trichloroethene | 8.000 | 7.486 | 6.4 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 8.000 | 8.147 | -1.8 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 8.000 | 7.852 | 1.8 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 8.000 | 7.849 | 1.9 | 100 | 0.00 |
| 50 TMP Toluene | 8.000 | 7.458 | 6.8 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 8.000 | 7.799 | 2.5 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 8.000 | 7.939 | 0.8 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 8.000 | 7.709 | 3.6 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 8.000 | 7.725 | 3.4 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 8.000 | 7.350 | 8.1 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 8.000 | 8.046 | -0.6 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 8.000 | 7.639 | 4.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 8.000 | 7.472 | 6.6 | 100 | 0.00 |
| 60 TMP Nonane | 8.000 | 7.853 | 1.8 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 8.000 | 8.064 | -0.8 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 8.000 | 8.106 | -1.3 | 100 | 0.00 |
| 63 TMP Propylbenzene | 8.000 | 8.380 | -4.8 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 8.000 | 8.324 | -4.0 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 16.000 | 14.971 | 6.4 | 100 | 0.00 |
| 66 TMP o-Xylene | 8.000 | 7.940 | 0.7 | 100 | 0.00 |
| 67 TMP Styrene | 8.000 | 8.817 | -10.2 | 100 | 0.00 |
| 68 TMP Bromoform | 8.000 | 7.866 | 1.7 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.551 | -5.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 8.000 | 8.788 | -9.9 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 8.000 | 8.432 | -5.4 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 8.000 | 8.812 | -10.1 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 8.000 | 8.335 | -4.2 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 8.000 | 8.312 | -3.9 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 8.000 | 8.470 | -5.9 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 8.000 | 8.925 | -11.6 | 100 | 0.00 |
| 77 TMP Naphthalene | 8.000 | 8.287 | -3.6 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 8.000 | 8.118 | -1.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.347 | -4.2 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.558 | -5.8 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.476 | 10.3 | 100 | 0.04 |
| 5 TMP F-114 | 4.259 | 4.379 | -2.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.800 | 2.7 | 100 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.212 | -0.1 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.454 | -0.5 | 100 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.572 | 1.0 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.667 | 2.6 | 101 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.635 | 1.2 | 100 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.585 | 8.2 | 100 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.629 | 5.3 | 100 | 0.00 |
| 14 TMP Pentane | 2.765 | 2.721 | 1.6 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 4.821 | -7.9 | 100 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.704 | -2.2 | 100 | -0.02 |
| 17 TMP 2-Propanol | 3.342 | 3.451 | -3.3 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.535 | 3.3 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.520 | 3.1 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.490 | -0.3 | 100 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 2.879 | 2.3 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.198 | -1.4 | 100 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 3.413 | -0.5 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 4.992 | 1.0 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.590 | -0.7 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.244 | 2.1 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.329 | 2.4 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.609 | 5.6 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 2.073 | -0.1 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 3.731 | 6.8 | 99 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 3.836 | 2.5 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.846 | 0.1 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.609 | -0.5 | 100 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.444 | 4.8 | 101 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.334 | 4.1 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.413 | 3.5 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 4.973 | 9.0 | 100 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.375 | -1.5 | 100 | -0.02 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.579 | 3.7 | 101 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.260 | 1.9 | 101 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.808 | 0.0 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.541 | 2.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.625 | -0.3 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 0.943 | 3.2 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.575 | 6.5 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.702 | -1.9 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.046 | 2.1 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.681 | 2.0 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.738 | 6.8 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.559 | 2.4 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.945 | 0.7 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.468 | 3.7 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.912 | 3.4 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.857 | 8.1 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.076 | -0.6 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.659 | 4.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.430 | 6.6 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.737 | 1.7 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.509 | -0.8 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.407 | -1.5 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.163 | -4.8 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.528 | -4.1 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.581 | 6.3 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.523 | 0.8 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.845 | -10.2 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.925 | 1.6 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.748 | -5.5 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.486 | -9.8 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.397 | -5.4 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.290 | -10.2 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.097 | -4.2 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.026 | -3.8 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.077 | -5.9 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.890 | -11.5 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.489 | -21.2 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.119 | -1.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20766 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 85523 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 75097 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56162 | 10.551 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 105.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 22382 | 8.333 | ppbv | 99 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 75728 | 8.466 | ppbv | 100 |
| 4] Chloromethane | 3.73 | 50 | 24514 | 7.170 | ppbv | 77 |
| 5) F-114 | 3.88 | 85 | 72744 | 8.224 | ppbv | 99 |
| 6] Vinyl chloride | 4.05 | 62 | 29907 | 7.789 | ppbv | 96 |
| 7] 1,3-Butadiene | 4.21 | 54 | 20137 | 8.008 | ppbv # | 86 |
| 8) Butane | 4.32 | 43 | 40771 | 8.043 | ppbv | 97 |
| 9) Bromomethane | 4.60 | 94 | 26113 | 7.916 | ppbv | 97 |
| 10] Chloroethane | 4.80 | 64 | 11082m | 7.787 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 27164m | 7.906 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 9726 | 7.358 | ppbv | 93 |
| 13] Acrolein | 5.38 | 56 | 10451m | 7.575 | ppbv | |
| 14) Pentane | 6.25 | 43 | 45211 | 7.873 | ppbv | 99 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 80097 | 8.637 | ppbv | 99 |
| 16) Acetone | 5.53 | 58 | 11690 | 8.165 | ppbv | 97 |
| 17) 2-Propanol | 5.78 | 45 | 57337 | 8.261 | ppbv | 99 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 25505 | 7.741 | ppbv | 93 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 25250 | 7.755 | ppbv # | 78 |
| 20) Methylene chloride | 6.78 | 84 | 24746 | 8.026 | ppbv | 99 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 47836 | 7.819 | ppbv # | 79 |
| 22) 3-Chloropropene | 6.94 | 41 | 36512 | 8.114 | ppbv | 99 |
| 23) CFC-113 | 7.15 | 101 | 56693 | 8.039 | ppbv | 98 |
| 24) Carbon disulfide | 7.25 | 76 | 82928 | 7.919 | ppbv | 99 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 59647 | 8.056 | ppbv | 99 |
| 26) Vinyl acetate | 8.51 | 43 | 70506m | 7.836 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 55306 | 7.807 | ppbv | 97 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 26738 | 7.556 | ppbv | 87 |
| 29) Hexane | 9.99 | 57 | 34438 | 8.013 | ppbv | 94 |
| 30] Chloroform | 10.07 | 83 | 61980 | 7.453 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 63731 | 7.803 | ppbv # | 98 |
| 32) Tetrahydrofuran | 10.72 | 42 | 30660 | 7.995 | ppbv | 97 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 10122 | 8.041 | ppbv | 97 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 40608 | 7.620 | ppbv | 100 |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 55389 | 7.671 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 56707 | 7.722 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 82618 | 7.279 | ppbv | 97 |
| 38) Cyclohexane | 13.04 | 84 | 22836 | 8.117 | ppbv | 98 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 39606 | 7.699 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

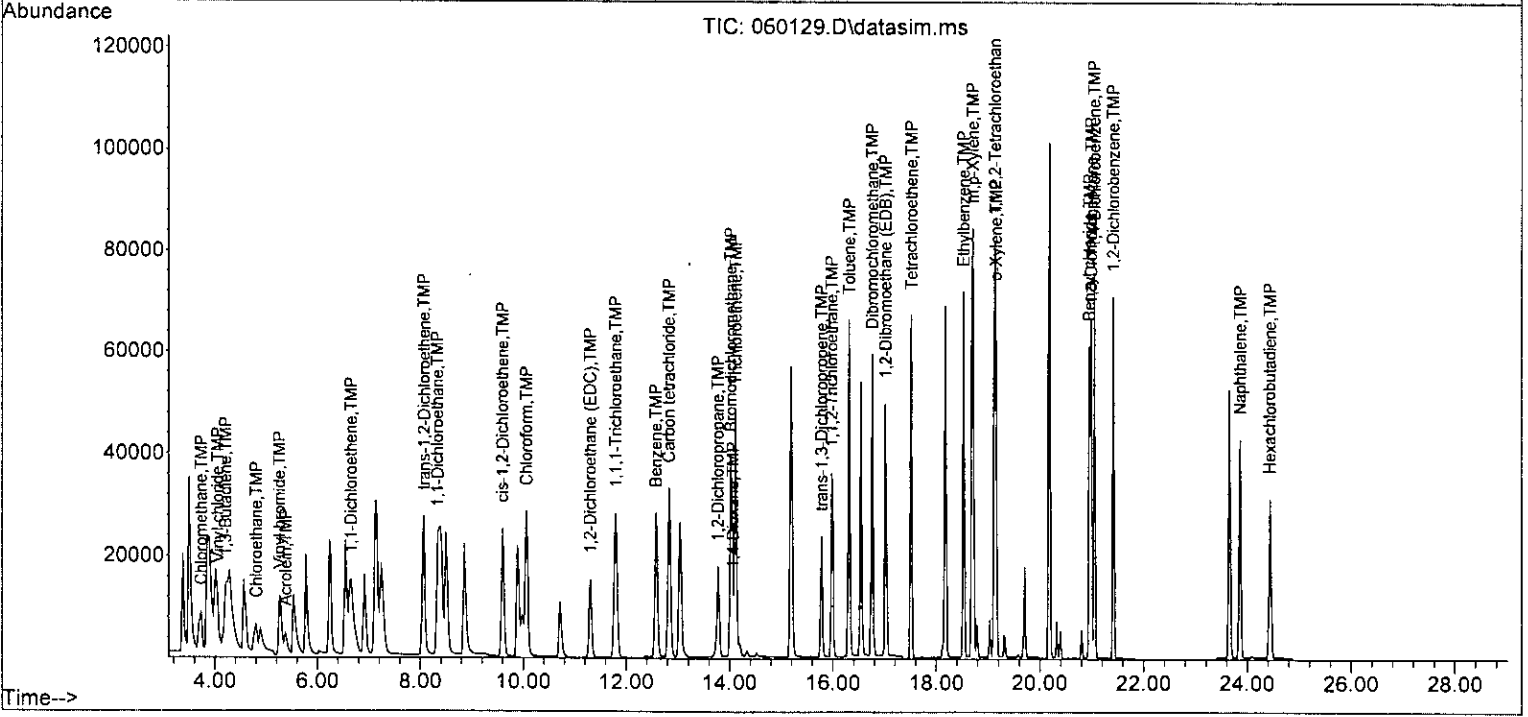
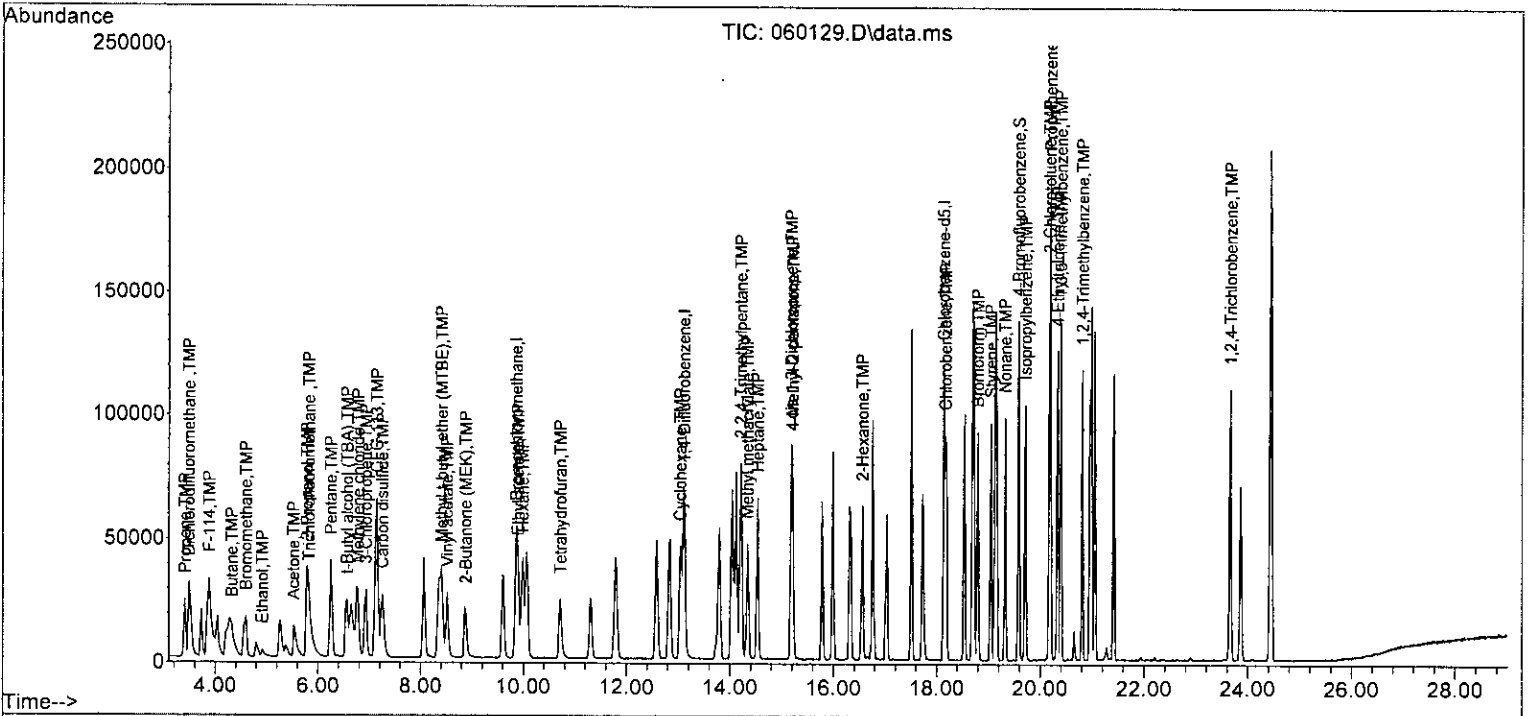
Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 17771 | 7.847 | ppbv | 76 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 123703 | 8.002 | ppbv | 98 |
| 43) Methyl methacrylate | 14.33 | 41 | 37013 | 7.837 | ppbv | 98 |
| 44) Heptane | 14.53 | 43 | 42749 | 8.019 | ppbv | 98 |
| 45] Bromodichloromethane | 14.02 | 83 | 64545 | 7.752 | ppbv | 98 |
| 46] Trichloroethene | 14.12 | 95 | 39348 | 7.486 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 48025 | 8.147 | ppbv | 100 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 3147 | 7.852 | ppbv # | 60 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 46622 | 7.849 | ppbv | 91 |
| 50] Toluene | 16.31 | 92 | 50524 | 7.458 | ppbv | 86 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 38245 | 7.799 | ppbv | 98 |
| 52) 2-Hexanone | 16.56 | 43 | 64626 | 7.939 | ppbv | 97 |
| 53] Tetrachloroethene | 17.52 | 164 | 32034 | 7.709 | ppbv | 96 |
| 54] Dibromochloromethane | 16.76 | 129 | 62377 | 7.725 | ppbv | 91 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 58640 | 7.350 | ppbv | 84 |
| 57) Chlorobenzene | 18.17 | 112 | 64651 | 8.046 | ppbv | 97 |
| 58] Ethylbenzene | 18.53 | 91 | 99677 | 7.639 | ppbv | 97 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 85930 | 7.472 | ppbv | 90 |
| 60) Nonane | 19.32 | 43 | 44256 | 7.853 | ppbv | 97 |
| 61) Isopropylbenzene | 19.72 | 105 | 90656 | 8.064 | ppbv | 98 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 24432 | 8.106 | ppbv | 91 |
| 63) Propylbenzene | 20.19 | 91 | 190013 | 8.380 | ppbv | 99 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 91791 | 8.324 | ppbv | 100 |
| 65] m,p-Xylene | 18.70 | 106 | 69757 | 14.971 | ppbv | 97 |
| 66] o-Xylene | 19.15 | 106 | 31402 | 7.940 | ppbv | 97 |
| 67) Styrene | 19.05 | 104 | 50770 | 8.817 | ppbv | 97 |
| 68) Bromoform | 18.80 | 173 | 55543 | 7.866 | ppbv | 99 |
| 70] Benzyl chloride | 20.95 | 91 | 89301 | 8.788 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 83933 | 8.432 | ppbv | 98 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 77489 | 8.812 | ppbv | 99 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 65896 | 8.335 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 61647 | 8.312 | ppbv | 94 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 64723 | 8.470 | ppbv | 97 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 53489 | 8.925 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 89479 | 8.287 | ppbv | 98 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 67211 | 8.118 | ppbv | 98 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060129.D
 Acq On : 2 Jun 2023 6:45 am
 Operator : bat
 Sample : 8.0 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 29 Sample Multiplier: 1
 InstName : GCMS7

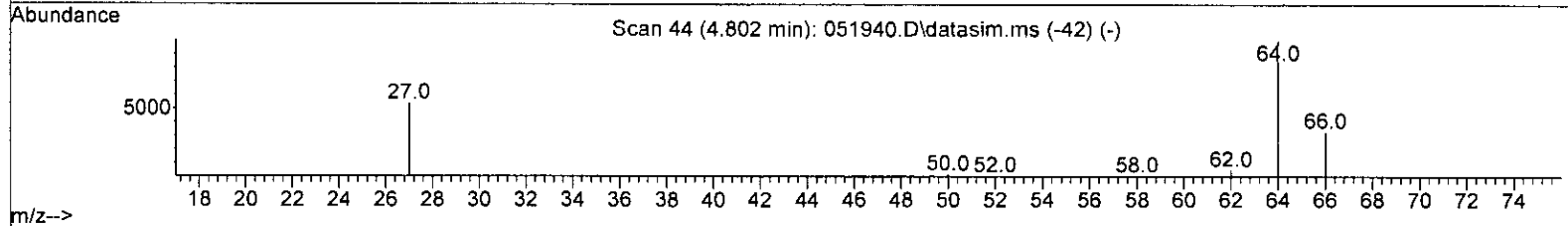
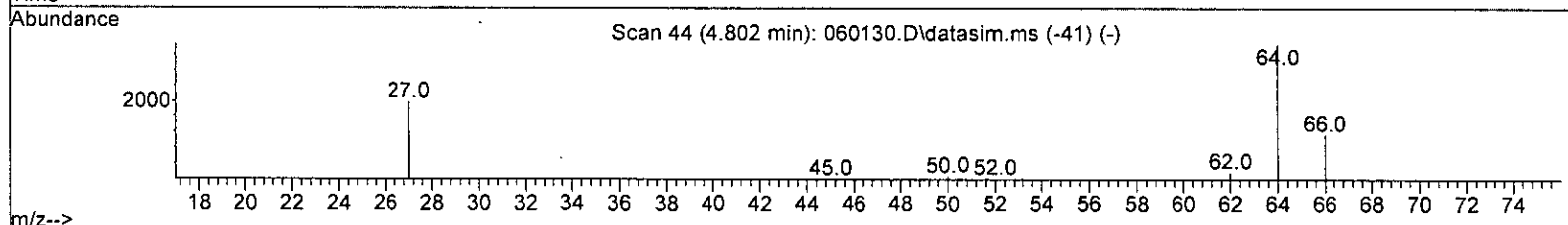
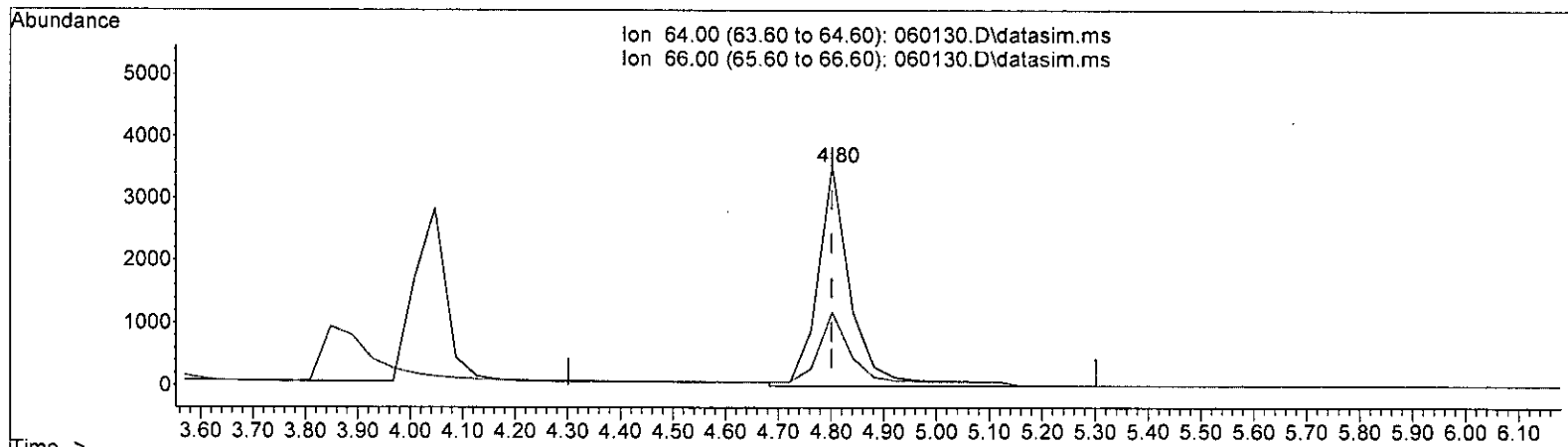
Quant Time: Jun 06 13:07:07 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

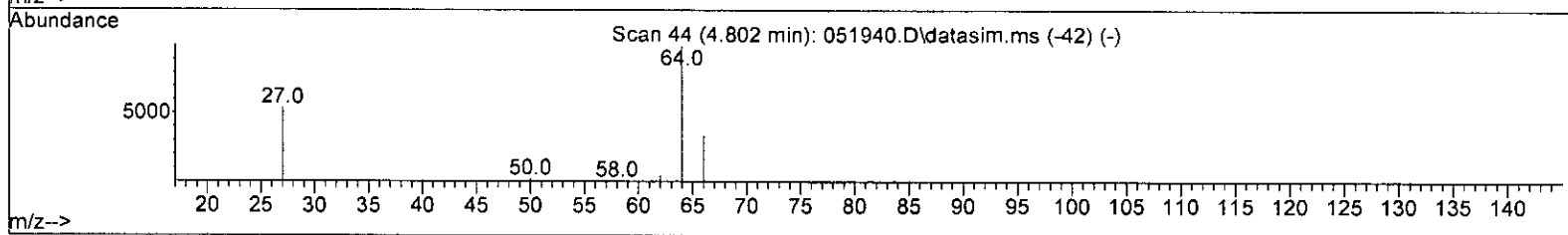
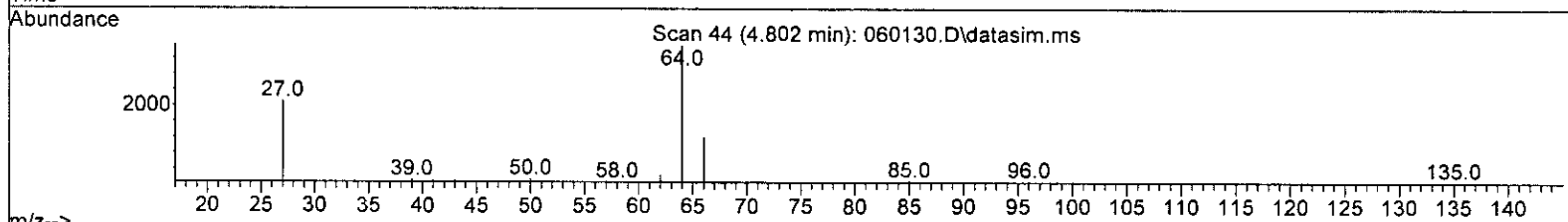
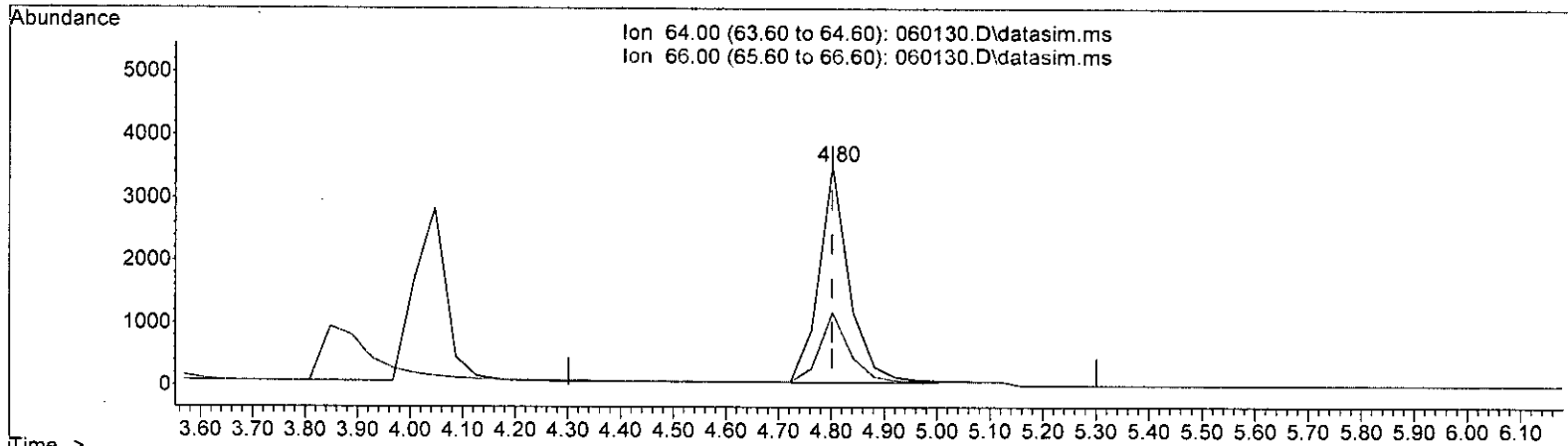
| (10) Chloroethane (TMP) | | |
|-------------------------|-------------|--------|
| 4.802min (+ 0.000) | 10.291 ppbv | |
| response | 14741 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 33.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 Jun

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

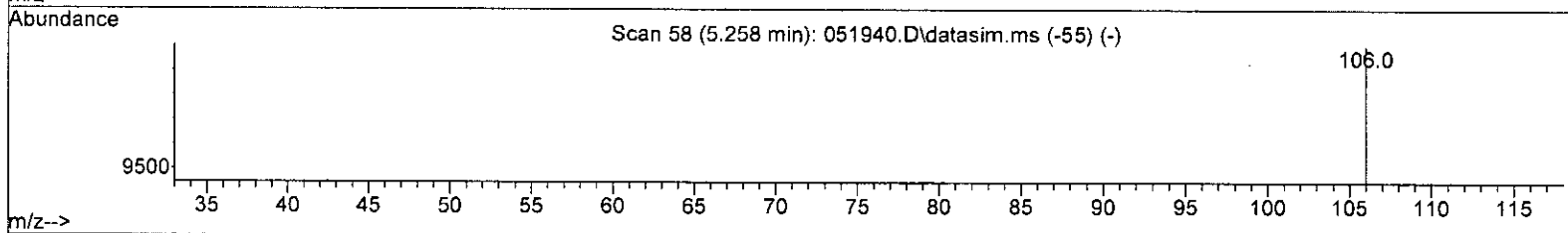
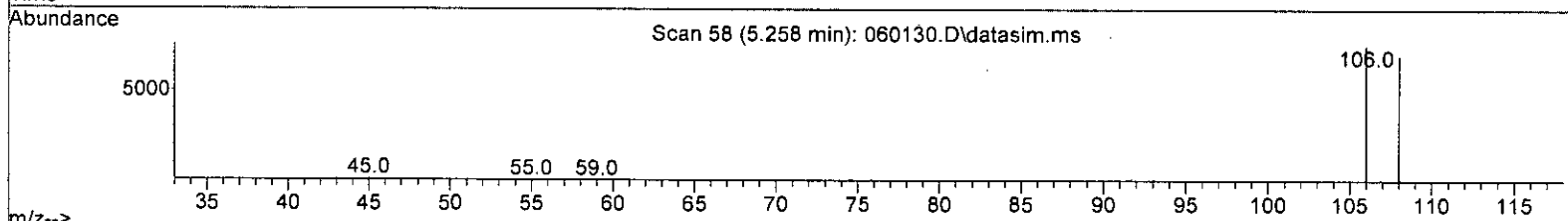
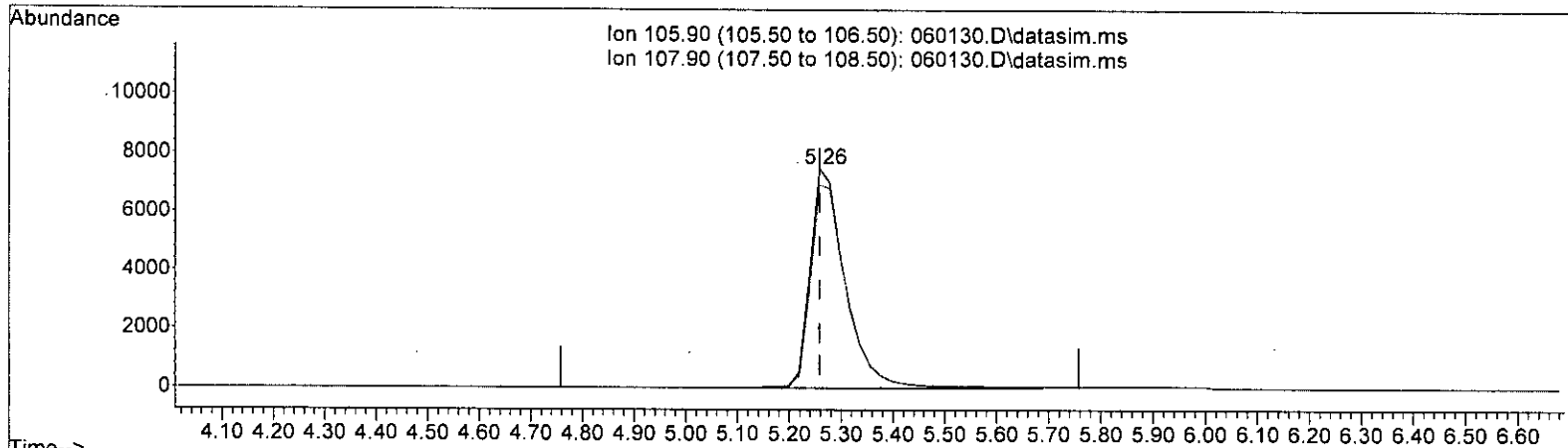
| (10) Chloroethane (TMP) | | | |
|-------------------------|----------|--------|--------|
| Time | Response | Exp% | Act% |
| 4.802min (+ 0.000) | 13879 | 100.00 | 100.00 |
| 9.689 ppbv m | | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 33.50 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

6/6/23

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

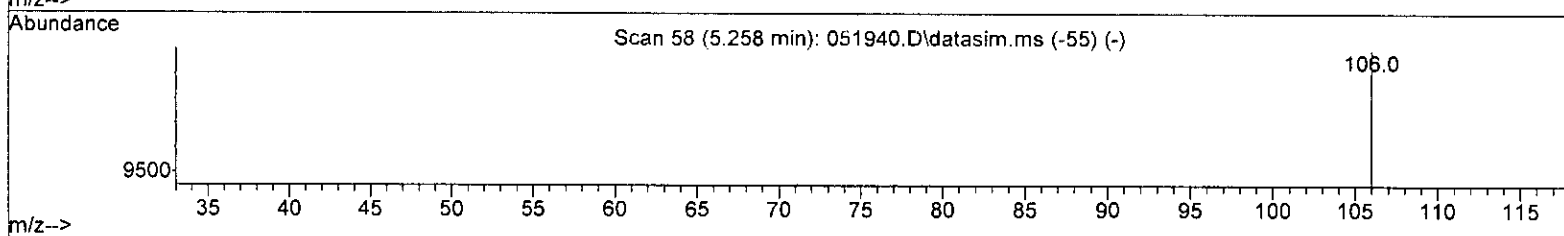
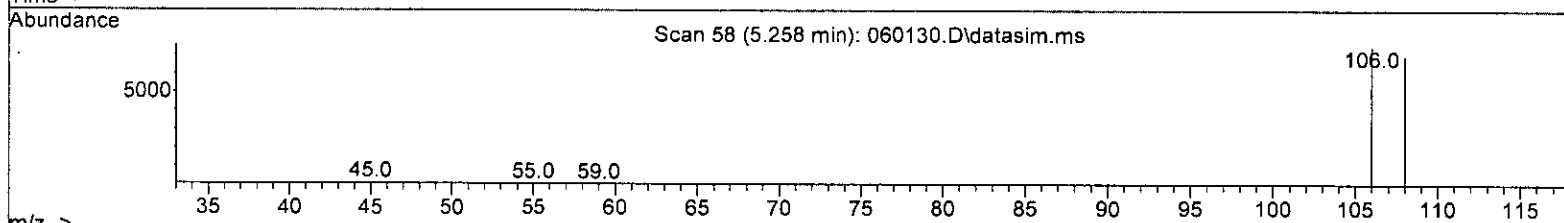
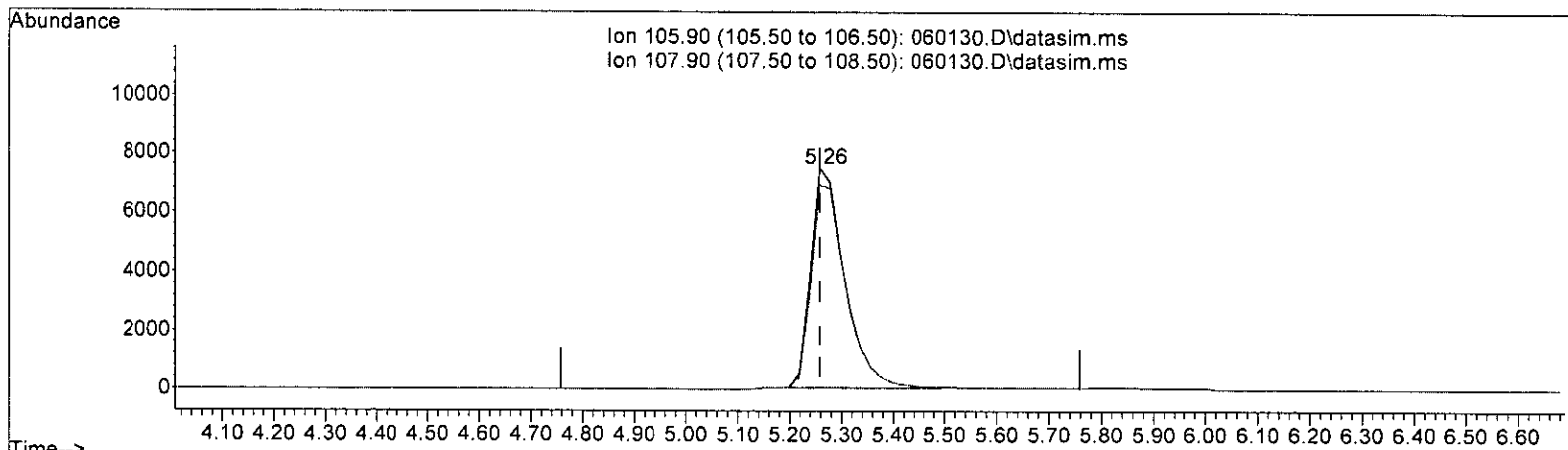
| | | |
|--------------------------|--------|--------|
| (11) Vinyl bromide (TMP) | | |
| 5.258min (-0.000) | 11.011 | ppbv |
| response | 38076 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 95.05 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



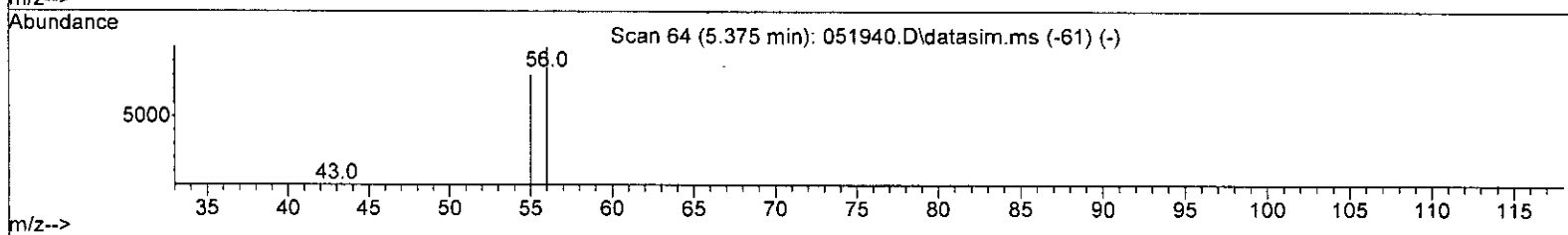
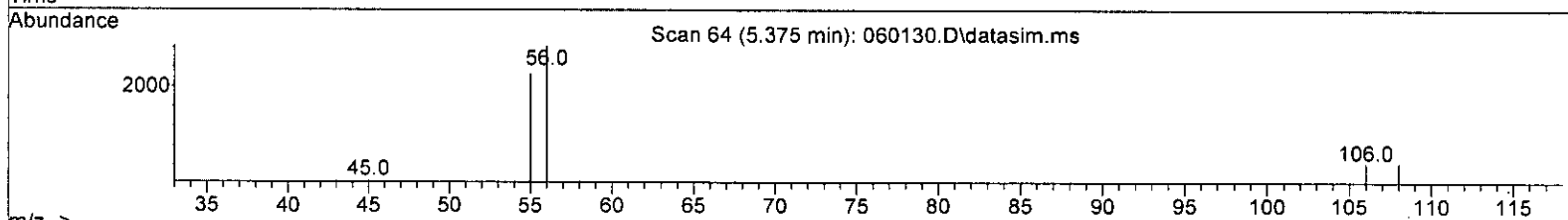
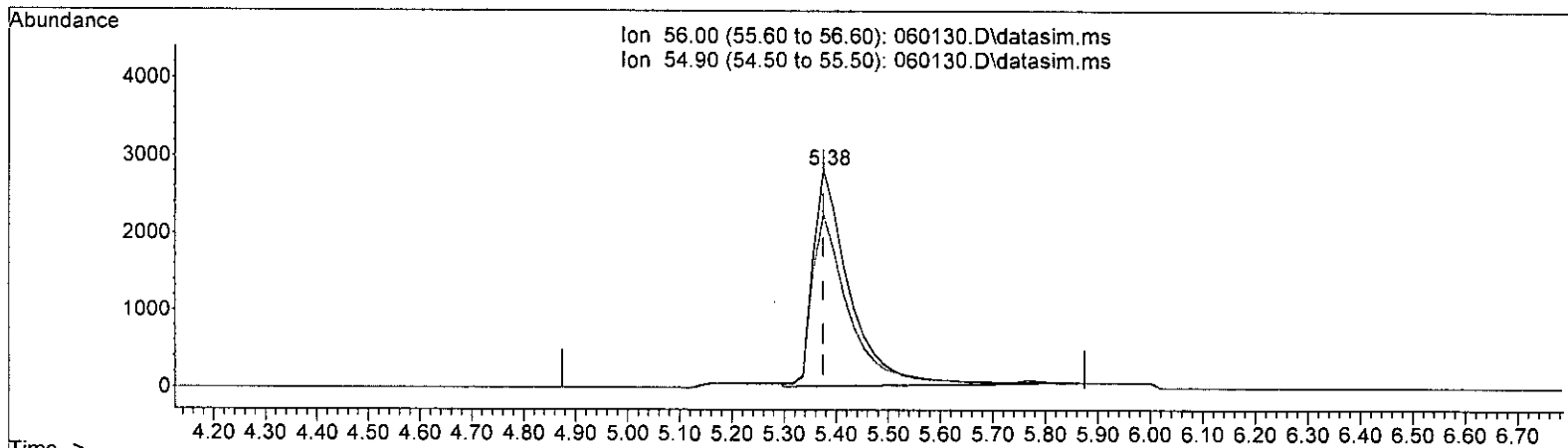
TIC: 060130.D\data.ms

| (11) Vinyl bromide (TMP) | | | |
|--------------------------|--------------|--------|------------|
| 5.258min (-0.000) | 9.749 ppbv m | | |
| response | 33714 | | <i>SLC</i> |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 107.35 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

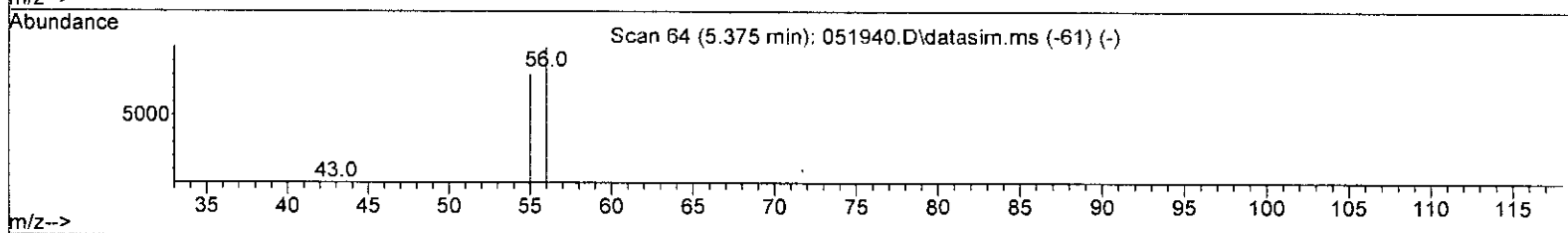
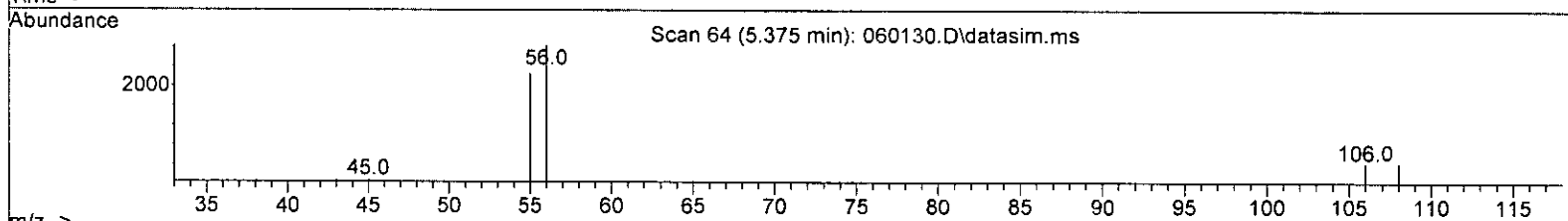
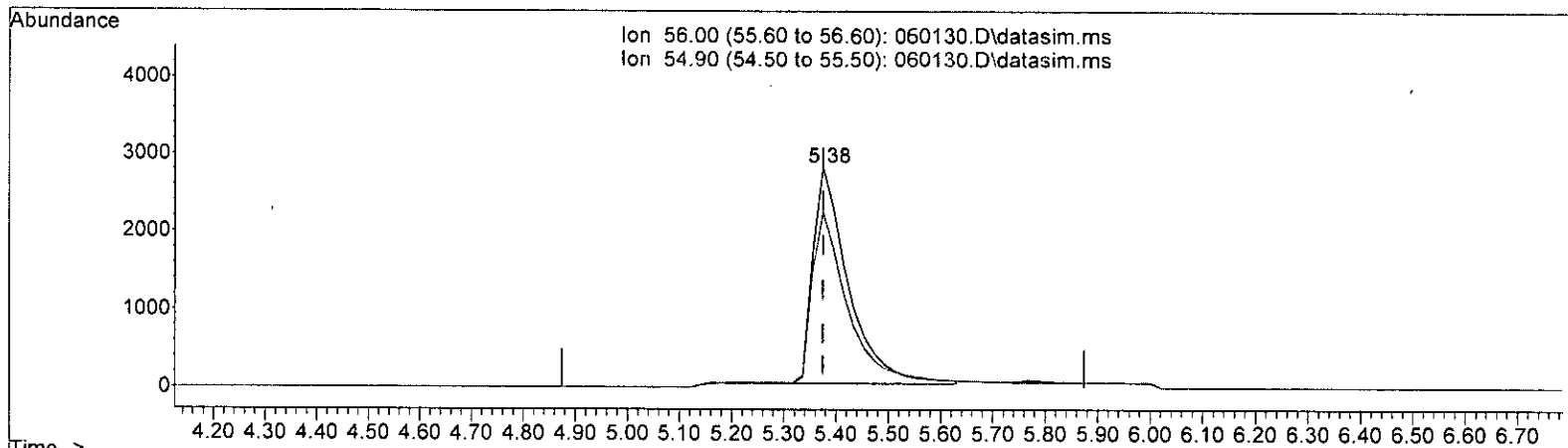
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 9.868 | ppbv |
| response | 13703 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 80.35 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

(13) Acrolein (TMP)

5.375min (+ 0.000) 9.372 ppbv m

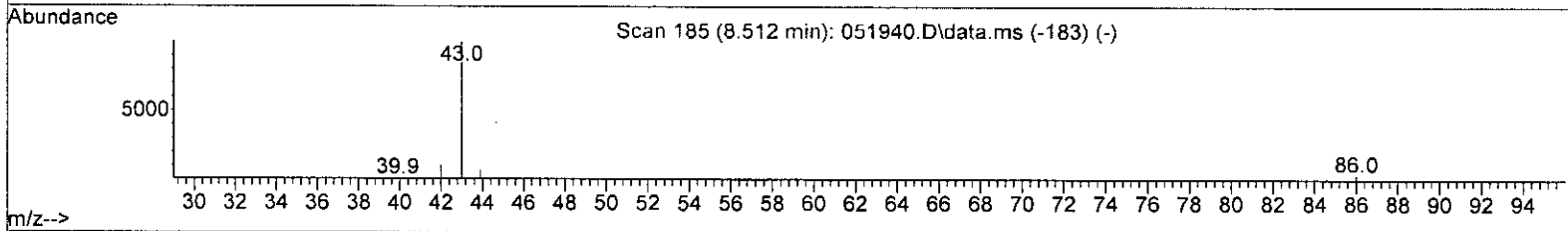
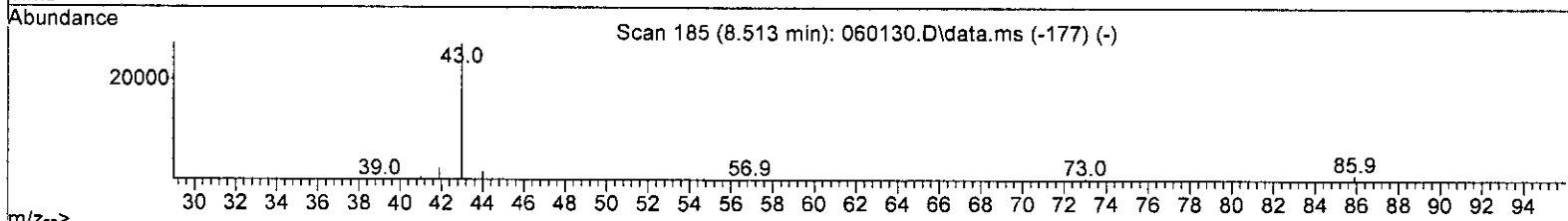
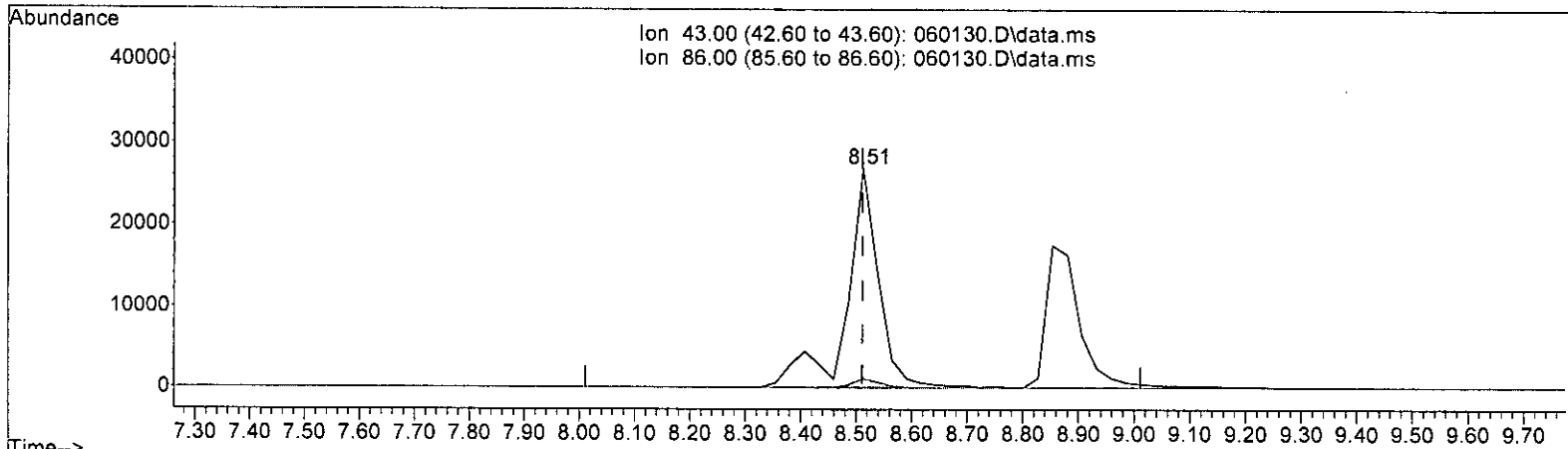
| response | 13014 |
|----------|---------------|
| Ion | Exp% Act% |
| 56.00 | 100.00 100.00 |
| 54.90 | 81.00 84.60 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

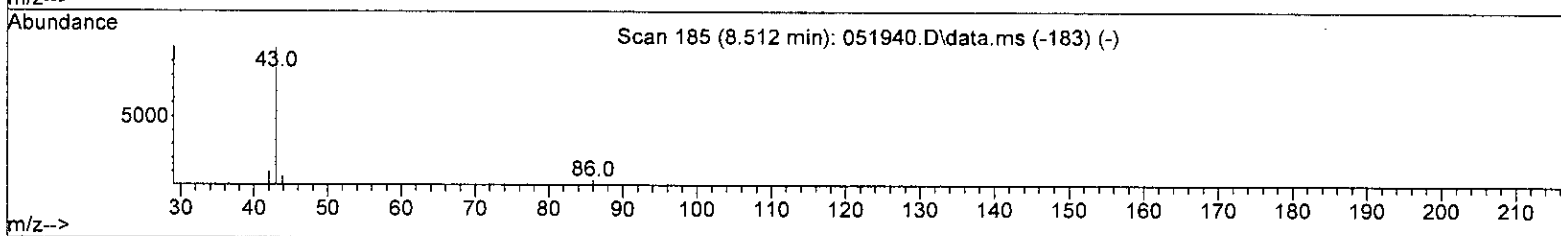
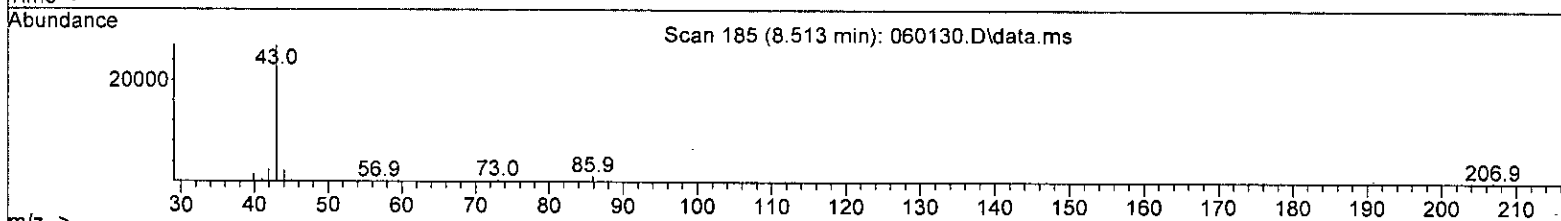
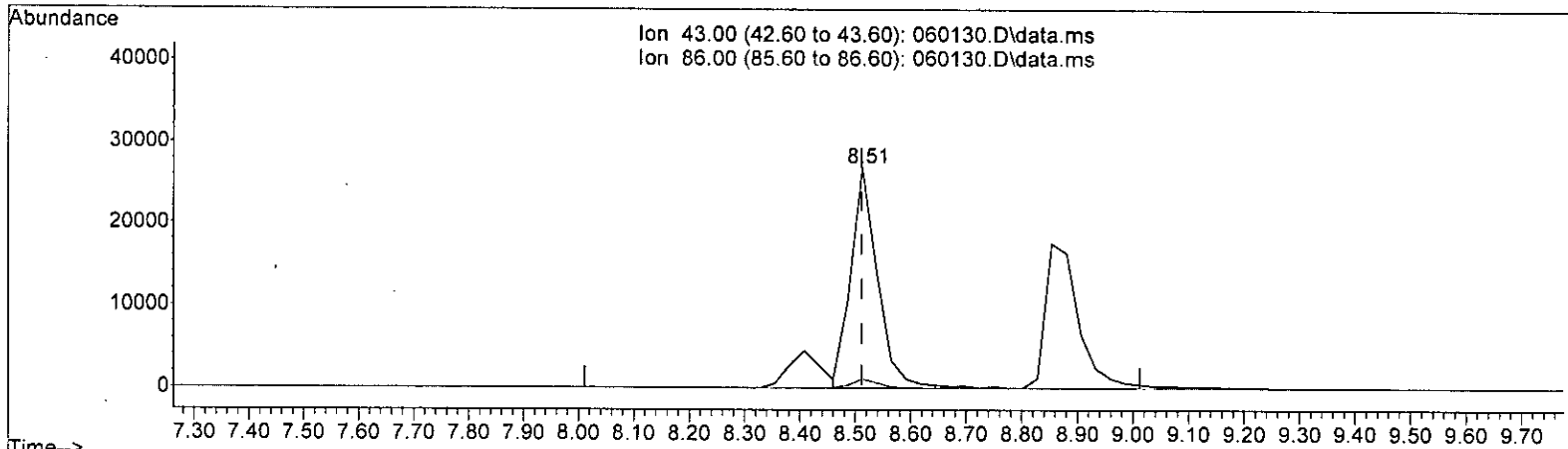
| (26) Vinyl acetate (TMP) | | |
|--------------------------|-------------|--------|
| 8.513min (+ 0.001) | 11.066 ppbv | |
| response | 108365 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/6 [initials]

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060130.D\data.ms

| (26) Vinyl acetate (TMP) | | | |
|--------------------------|--------------|--------|--|
| 8.513min (+ 0.001) | 9.854 ppbv m | | |
| response | 89242 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 3.97 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: S/G

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 10.000 | 10.839 | -8.4 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 10.000 | 10.474 | -4.7 | 100 | 0.00 |
| 4 TMP Chloromethane | 10.000 | 8.760 | 12.4 | 100 | 0.04 |
| 5 TMP F-114 | 10.000 | 9.714 | 2.9 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 10.000 | 9.571 | 4.3 | 100 | 0.04 |
| 7 TMP 1,3-Butadiene | 10.000 | 10.060 | -0.6 | 100 | 0.00 |
| 8 TMP Butane | 10.000 | 9.979 | 0.2 | 100 | 0.04 |
| 9 TMP Bromomethane | 10.000 | 9.556 | 4.4 | 100 | 0.04 |
| 10 TMP Chloroethane | 10.000 | 9.689 | 3.1 | 101 | 0.00 |
| 11 TMP Vinyl bromide | 10.000 | 9.749 | 2.5 | 100 | 0.00 |
| 12 TMP Ethanol | 10.000 | 9.138 | 8.6 | 100 | -0.04 |
| 13 TMP Acrolein | 10.000 | 9.372 | 6.3 | 100 | 0.00 |
| 14 TMP Pentane | 10.000 | 10.015 | -0.2 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 10.000 | 10.661 | -6.6 | 102 | 0.00 |
| 16 TMP Acetone | 10.000 | 9.972 | 0.3 | 100 | -0.02 |
| 17 TMP 2-Propanol | 10.000 | 10.583 | -5.8 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 10.000 | 9.500 | 5.0 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 10.000 | 9.638 | 3.6 | 100 | 0.00 |
| 20 TMP Methylene chloride | 10.000 | 9.796 | 2.0 | 100 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 10.000 | 10.156 | -1.6 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 10.000 | 10.124 | -1.2 | 100 | 0.00 |
| 23 TMP CFC-113 | 10.000 | 9.972 | 0.3 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 10.000 | 9.787 | 2.1 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 10.000 | 9.978 | 0.2 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 10.000 | 9.854 | 1.5 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 10.000 | 9.664 | 3.4 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 10.000 | 9.399 | 6.0 | 100 | 0.00 |
| 29 TMP Hexane | 10.000 | 10.064 | -0.6 | 100 | 0.00 |
| 30 TMP Chloroform | 10.000 | 9.206 | 7.9 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 10.000 | 9.623 | 3.8 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 10.000 | 10.106 | -1.1 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 10.000 | 10.361 | -3.6 | 100 | -0.03 |
| 34 TMP 1,2-Dichloroethane (EDC) | 10.000 | 9.413 | 5.9 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 10.000 | 9.520 | 4.8 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 10.000 | 9.554 | 4.5 | 100 | 0.00 |
| 37 TMP Benzene | 10.000 | 8.975 | 10.3 | 100 | 0.00 |
| 38 TMP Cyclohexane | 10.000 | 9.994 | 0.1 | 100 | 0.00 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 10.000 | 9.638 | 3.6 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 10.000 | 9.741 | 2.6 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 10.000 | 10.129 | -1.3 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 10.000 | 10.145 | -1.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 10.000 | 10.144 | -1.4 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 10.000 | 9.681 | 3.2 | 100 | 0.00 |
| 46 TMP Trichloroethene | 10.000 | 9.392 | 6.1 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 10.000 | 10.336 | -3.4 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 10.000 | 10.799 | -8.0 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 10.000 | 9.876 | 1.2 | 100 | 0.00 |
| 50 TMP Toluene | 10.000 | 9.239 | 7.6 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 10.000 | 9.750 | 2.5 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 10.000 | 9.975 | 0.3 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 10.000 | 9.707 | 2.9 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 10.000 | 9.807 | 1.9 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.111 | 8.9 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 10.000 | 9.935 | 0.6 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 10.000 | 9.385 | 6.2 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 9.029 | 9.7 | 100 | 0.00 |
| 60 TMP Nonane | 10.000 | 9.696 | 3.0 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 10.000 | 9.680 | 3.2 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 10.000 | 10.126 | -1.3 | 100 | 0.00 |
| 63 TMP Propylbenzene | 10.000 | 10.163 | -1.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 10.000 | 10.287 | -2.9 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 20.000 | 18.329 | 8.4 | 100 | 0.00 |
| 66 TMP o-Xylene | 10.000 | 9.716 | 2.8 | 100 | 0.00 |
| 67 TMP Styrene | 10.000 | 10.688 | -6.9 | 100 | 0.00 |
| 68 TMP Bromoform | 10.000 | 9.702 | 3.0 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.405 | -4.0 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 10.000 | 10.882 | -8.8 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 10.000 | 10.334 | -3.3 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 10.000 | 10.844 | -8.4 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 10.000 | 10.111 | -1.1 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 10.000 | 10.119 | -1.2 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 10.000 | 10.260 | -2.6 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 10.000 | 11.190 | -11.9 | 100 | 0.00 |
| 77 TMP Naphthalene | 10.000 | 10.246 | -2.5 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 10.000 | 9.839 | 1.6 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.402 | -8.4 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.512 | -4.7 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.442 | 12.4 | 100 | 0.04 |
| 5 TMP F-114 | 4.259 | 4.138 | 2.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.770 | 4.3 | 100 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.218 | -0.6 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.436 | 0.2 | 100 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.518 | 4.4 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.664 | 3.1 | 101 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.613 | 2.5 | 100 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.582 | 8.6 | 100 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.623 | 6.2 | 100 | 0.00 |
| 14 TMP Pentane | 2.765 | 2.770 | -0.2 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 4.761 | -6.6 | 102 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.688 | 0.1 | 100 | -0.02 |
| 17 TMP 2-Propanol | 3.342 | 3.537 | -5.8 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.507 | 5.0 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.511 | 3.6 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.454 | 2.1 | 100 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 2.992 | -1.6 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.194 | -1.2 | 100 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 3.386 | 0.3 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 4.936 | 2.1 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.557 | 0.2 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.270 | 1.5 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.297 | 3.3 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.602 | 6.0 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 2.083 | -0.6 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 3.687 | 7.9 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 3.785 | 3.8 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.866 | -1.0 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.628 | -3.6 | 100 | -0.03 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.416 | 5.8 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.310 | 4.8 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.378 | 4.5 | 100 | 0.00 |
| 37 TMP Benzene | 5.466 | 4.906 | 10.2 | 100 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.354 | 0.1 | 100 | 0.00 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.580 | 3.5 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.258 | 2.6 | 100 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.831 | -1.3 | 100 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.560 | -1.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.632 | -1.4 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 0.942 | 3.3 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.577 | 6.2 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.712 | -3.3 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.051 | -8.5 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.686 | 1.3 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.732 | 7.6 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.559 | 2.4 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.949 | 0.3 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.472 | 2.9 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.926 | 1.9 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.850 | 8.9 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.063 | 0.7 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.631 | 6.2 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.383 | 9.7 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.728 | 2.9 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.449 | 3.2 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.406 | -1.2 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.068 | -1.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.511 | -2.9 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.569 | 8.2 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.512 | 2.8 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.820 | -6.9 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.912 | 3.0 | 100 | 0.00 |
| 69 5 4-Bromofluorobenzene | 0.709 | 0.737 | -3.9 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.473 | -8.9 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.370 | -3.4 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.270 | -8.5 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.065 | -1.1 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.999 | -1.1 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.044 | -2.7 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.893 | -11.9 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.526 | -24.2 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.085 | 1.6 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20901 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 85226 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 77247 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 56968 | 10.405 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 104.00% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 29300 | 10.839 | ppbv | 97 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 94298 | 10.474 | ppbv | 97 |
| 4] Chloromethane | 3.73 | 50 | 30147 | 8.760 | ppbv | 78 |
| 5) F-114 | 3.88 | 85 | 86480 | 9.714 | ppbv | 96 |
| 6] Vinyl chloride | 4.05 | 62 | 36986 | 9.571 | ppbv | 95 |
| 7] 1,3-Butadiene | 4.21 | 54 | 25464 | 10.060 | ppbv # | 86 |
| 8) Butane | 4.32 | 43 | 50916 | 9.979 | ppbv | 98 |
| 9) Bromomethane | 4.60 | 94 | 31727 | 9.556 | ppbv | 98 |
| 10] Chloroethane | 4.80 | 64 | 13879m | 9.689 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 33714m | 9.749 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 12157 | 9.138 | ppbv | 91 |
| 13] Acrolein | 5.38 | 56 | 13014m | 9.372 | ppbv | |
| 14) Pentane | 6.25 | 43 | 57886 | 10.015 | ppbv | 98 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 99505 | 10.661 | ppbv | 99 |
| 16) Acetone | 5.53 | 58 | 14370 | 9.972 | ppbv # | 84 |
| 17) 2-Propanol | 5.78 | 45 | 73929 | 10.583 | ppbv | 100 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 31504 | 9.500 | ppbv | 93 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 31588 | 9.638 | ppbv # | 81 |
| 20) Methylene chloride | 6.78 | 84 | 30399 | 9.796 | ppbv | 98 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 62540 | 10.156 | ppbv # | 82 |
| 22) 3-Chloropropene | 6.94 | 41 | 45850 | 10.124 | ppbv | 95 |
| 23) CFC-113 | 7.15 | 101 | 70779 | 9.972 | ppbv | 98 |
| 24) Carbon disulfide | 7.25 | 76 | 103160 | 9.787 | ppbv | 99 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 74355 | 9.978 | ppbv | 99 |
| 26) Vinyl acetate | 8.51 | 43 | 89242m | 9.854 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 68904 | 9.664 | ppbv | 96 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 33476 | 9.399 | ppbv | 86 |
| 29) Hexane | 9.99 | 57 | 43533 | 10.064 | ppbv | 94 |
| 30] Chloroform | 10.07 | 83 | 77056 | 9.206 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 79107 | 9.623 | ppbv # | 99 |
| 32) Tetrahydrofuran | 10.71 | 42 | 39005 | 10.106 | ppbv | 96 |
| 33) 2-Butanone (MEK) | 8.85 | 72 | 13127 | 10.361 | ppbv # | 83 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 50491 | 9.413 | ppbv | 99 |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 69187 | 9.520 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 70611 | 9.554 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 102537 | 8.975 | ppbv | 98 |
| 38) Cyclohexane | 13.05 | 84 | 28299 | 9.994 | ppbv | 97 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 49407 | 9.638 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

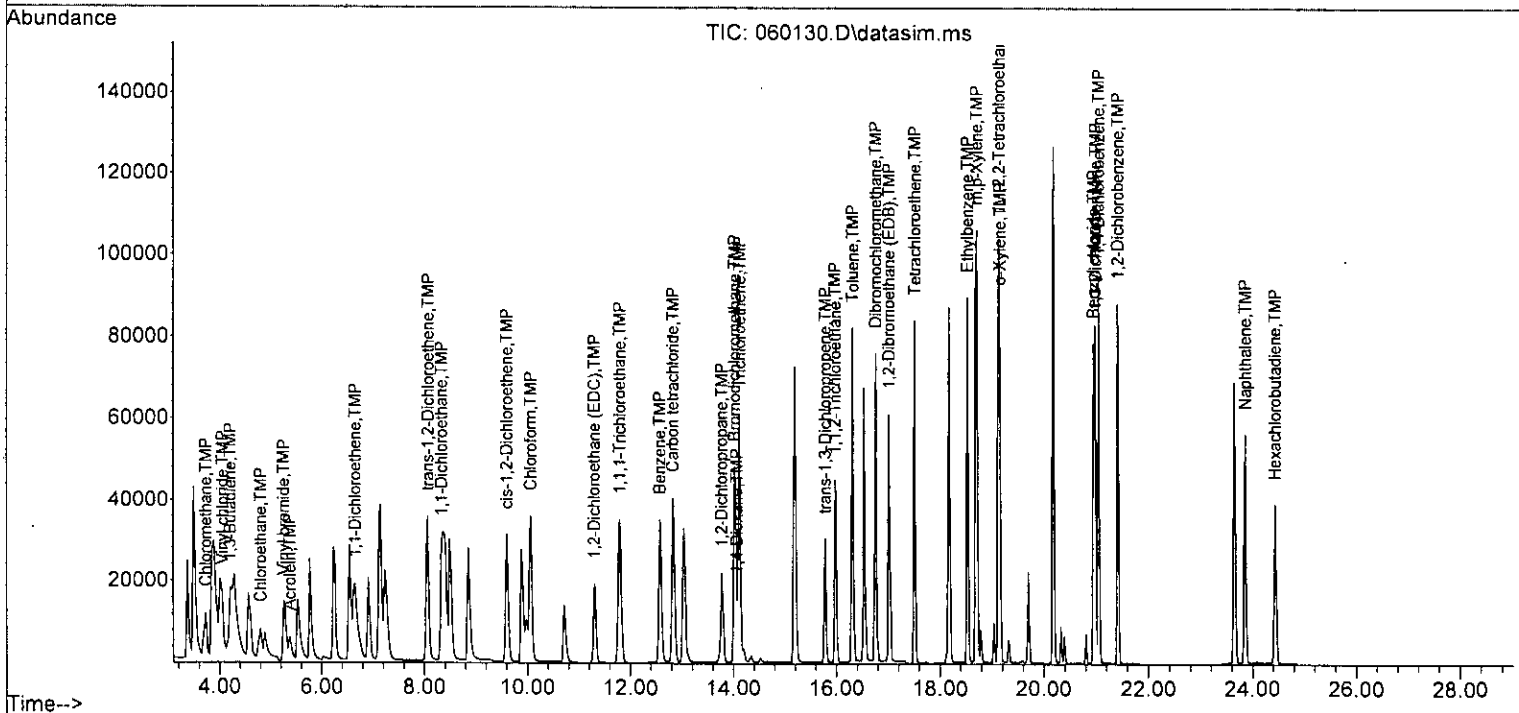
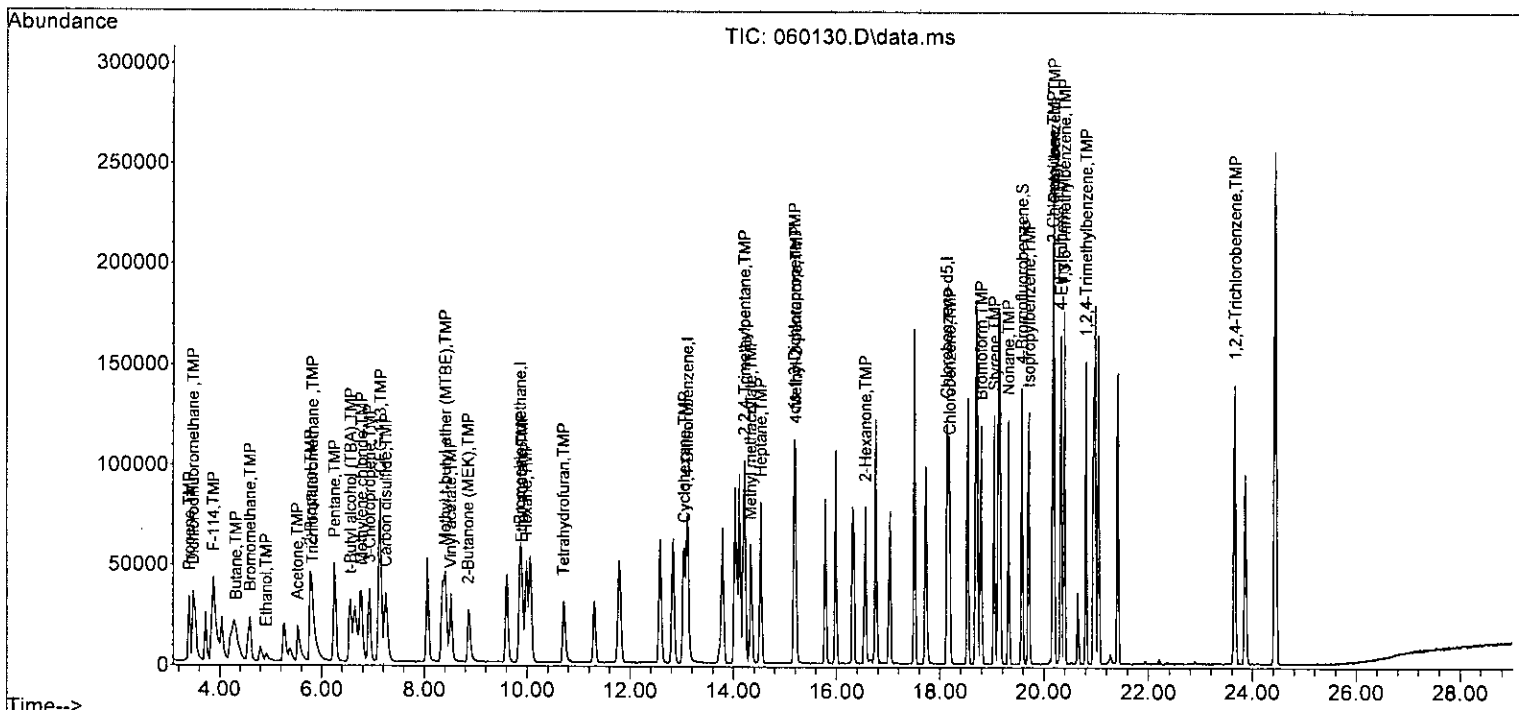
Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 21983 | 9.741 | ppbv | 75 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 156044 | 10.129 | ppbv | 99 |
| 43) Methyl methacrylate | 14.34 | 41 | 47746 | 10.145 | ppbv | 95 |
| 44) Heptane | 14.53 | 43 | 53894 | 10.144 | ppbv | 99 |
| 45] Bromodichloromethane | 14.02 | 83 | 80325 | 9.681 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 49191 | 9.392 | ppbv | 100 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 60716 | 10.336 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 4313 | 10.799 | ppbv # | 93 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 58462 | 9.876 | ppbv | 91 |
| 50] Toluene | 16.31 | 92 | 62371 | 9.239 | ppbv | 86 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 47648 | 9.750 | ppbv | 98 |
| 52) 2-Hexanone | 16.56 | 43 | 80919 | 9.975 | ppbv | 98 |
| 53] Tetrachloroethene | 17.52 | 164 | 40192 | 9.707 | ppbv | 96 |
| 54] Dibromochloromethane | 16.76 | 129 | 78912 | 9.807 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 72434 | 9.111 | ppbv | 84 |
| 57) Chlorobenzene | 18.19 | 112 | 82107 | 9.935 | ppbv | 98 |
| 58] Ethylbenzene | 18.53 | 91 | 125963 | 9.385 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 106805 | 9.029 | ppbv | 91 |
| 60) Nonane | 19.32 | 43 | 56209 | 9.696 | ppbv | 95 |
| 61) Isopropylbenzene | 19.72 | 105 | 111937 | 9.680 | ppbv | 100 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 31394 | 10.126 | ppbv | 85 |
| 63) Propylbenzene | 20.19 | 91 | 237021 | 10.163 | ppbv | 97 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 116692 | 10.287 | ppbv | 99 |
| 65] m,p-Xylene | 18.70 | 106 | 87848 | 18.329 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 39528 | 9.716 | ppbv | 98 |
| 67) Styrene | 19.05 | 104 | 63310 | 10.688 | ppbv | 99 |
| 68) Bromoform | 18.80 | 173 | 70469 | 9.702 | ppbv | 99 |
| 70] Benzyl chloride | 20.95 | 91 | 113752 | 10.882 | ppbv | 93 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 105807 | 10.334 | ppbv | 100 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 98084 | 10.844 | ppbv | 99 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 82230 | 10.111 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 77194 | 10.119 | ppbv | 94 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 80639 | 10.260 | ppbv | 98 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 68989 | 11.190 | ppbv | 97 |
| 77] Naphthalene | 23.86 | 128 | 117854 | 10.246 | ppbv | 98 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 83793 | 9.839 | ppbv | 98 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060130.D
 Acq On : 2 Jun 2023 7:21 am
 Operator : bat
 Sample : 10 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 30 Sample Multiplier: 1
 InstName : GCMS7

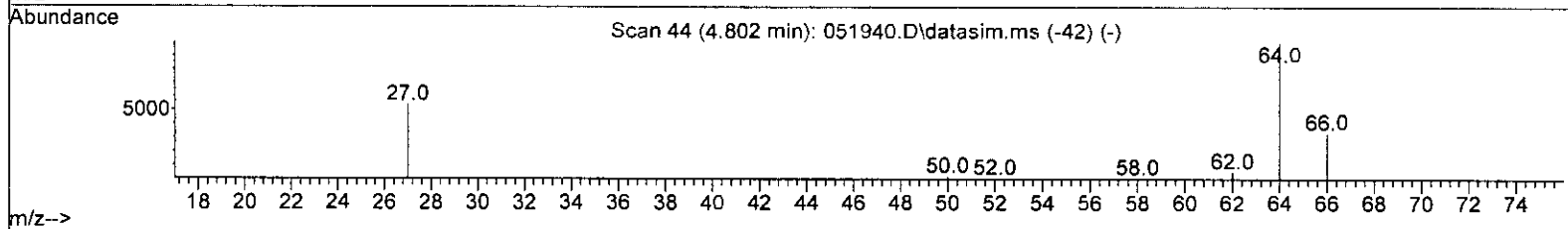
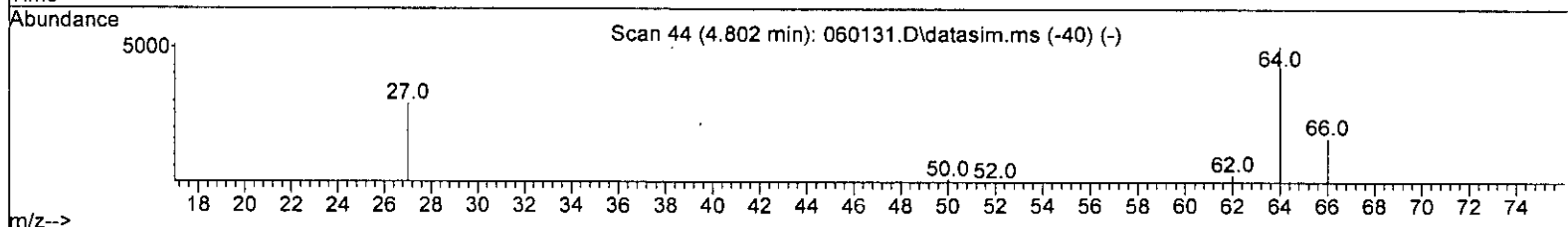
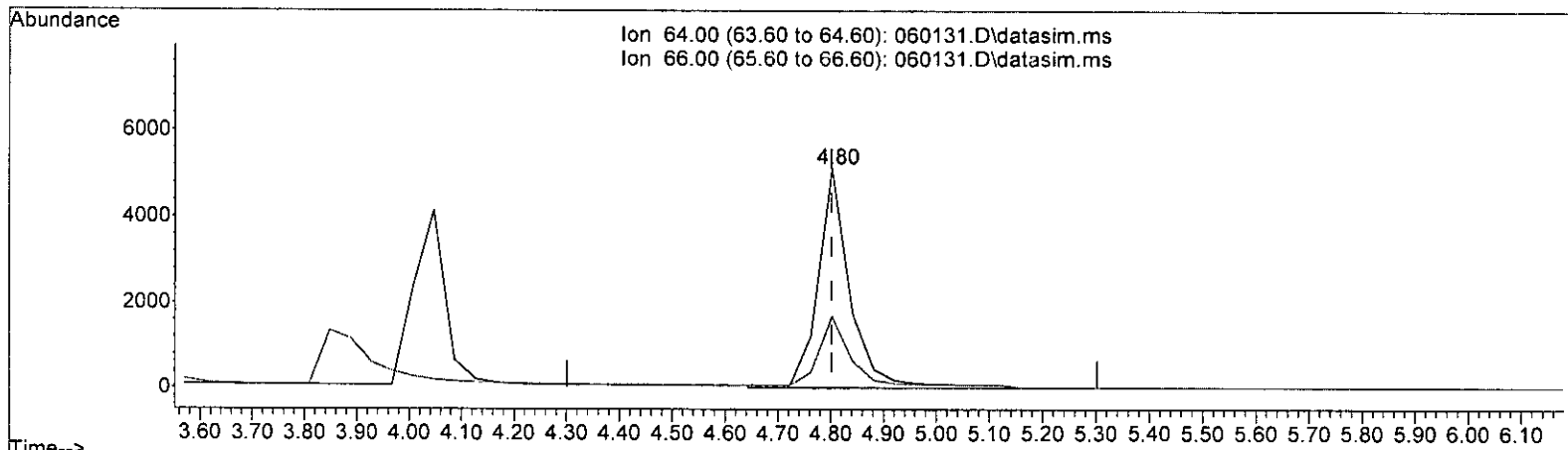
Quant Time: Jun 06 13:07:11 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060131.D\data.ms

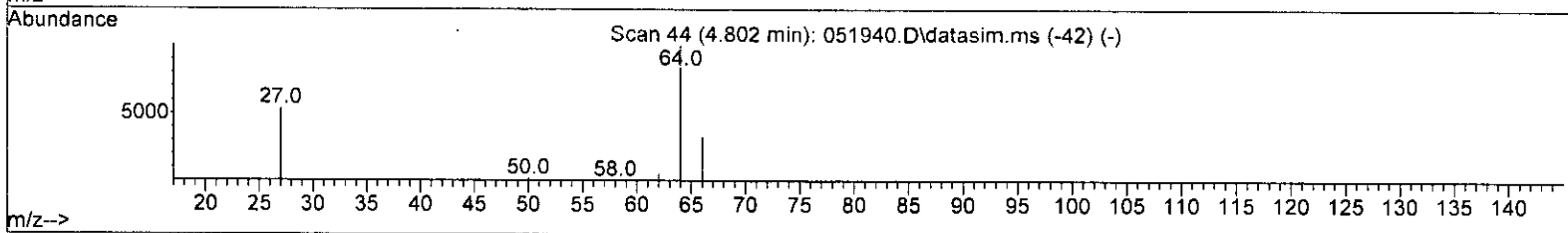
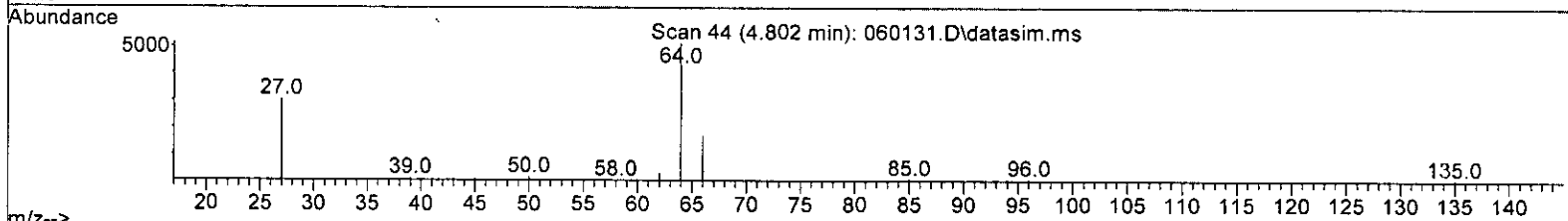
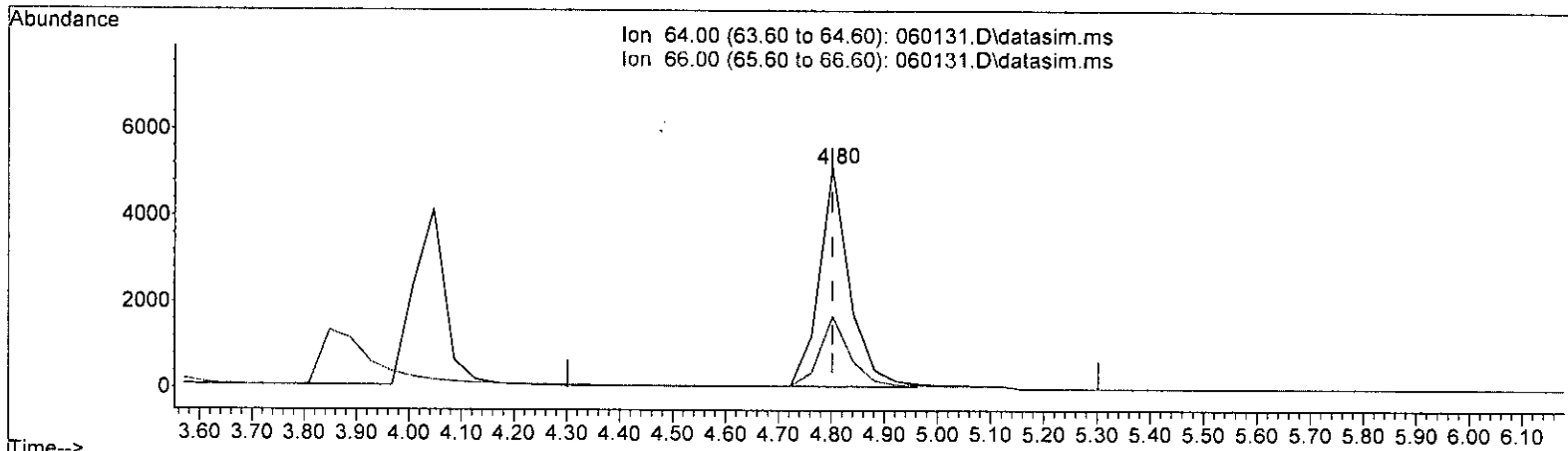
| (10) Chloroethane (TMP) | | |
|-------------------------|--------|--------|
| 4.802min (+ 0.000) | 14.423 | ppbv |
| response | 21119 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 32.99 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/6 PM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060131.D\data.ms

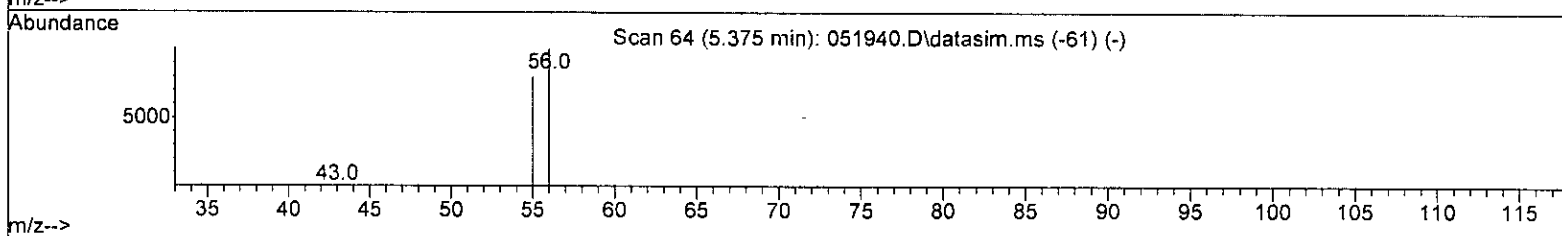
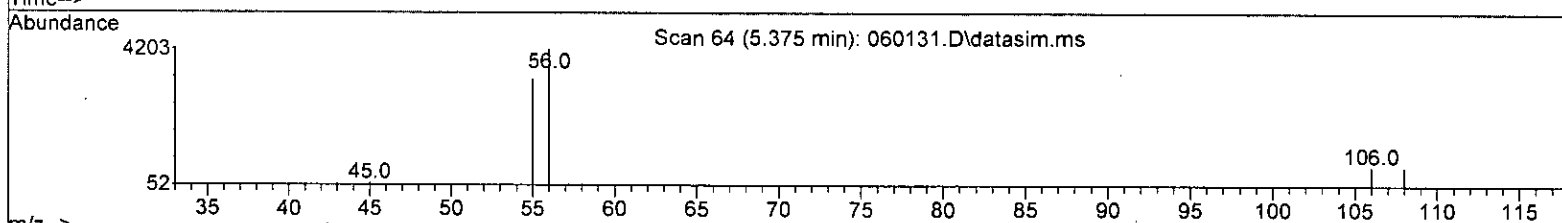
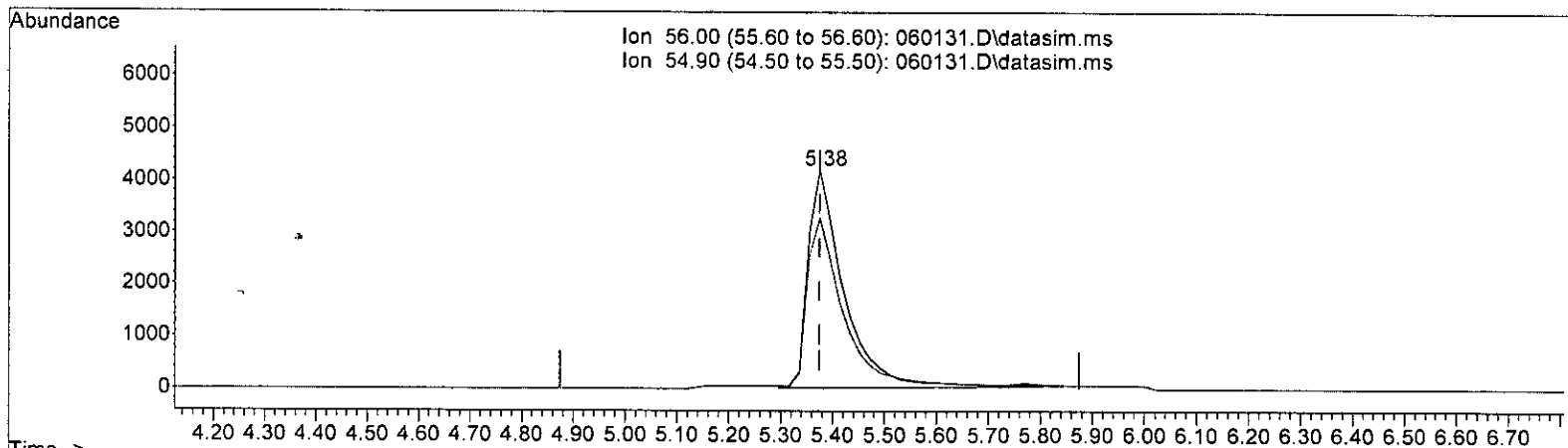
| (10) Chloroethane (TMP) | | | |
|----------------------------------|--------|--------|--|
| 4.802min (+ 0.000) 13.769 ppbv m | | | |
| response | 20162 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 32.99 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature: 6/6 RM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060131.D\data.ms

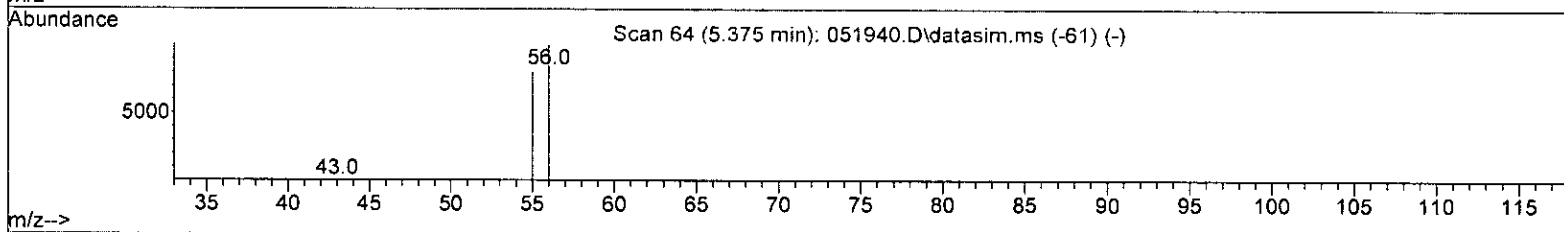
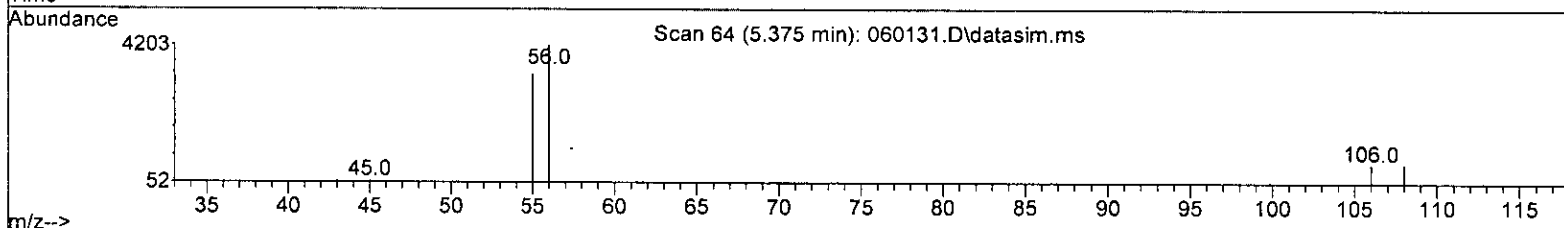
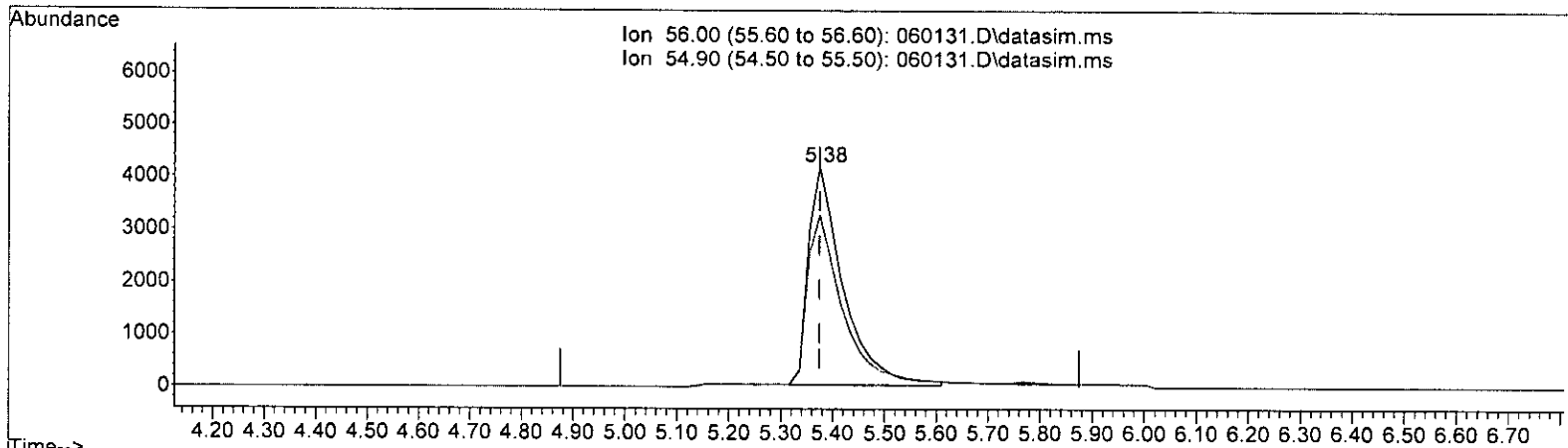
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 14.081 | ppbv |
| response | 19988 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 79.40 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten initials: Jb, Jm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 060131.D\data.ms

(13) Acrolein (TMP)

5.375min (+ 0.000) 13.580 ppbv m

response 19277

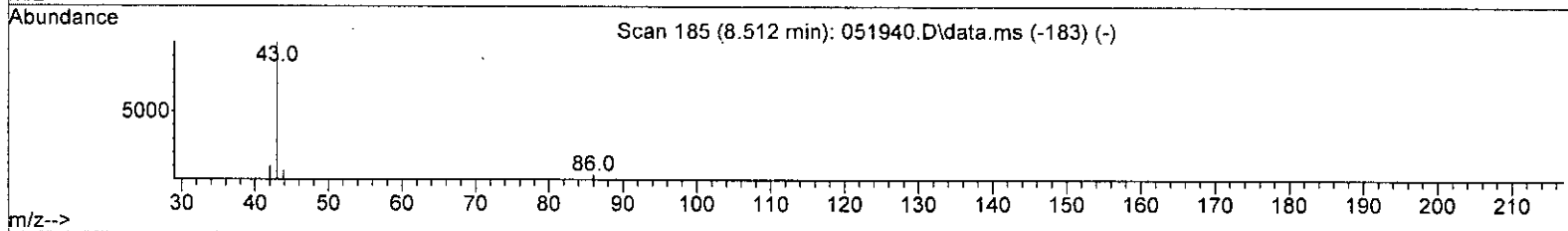
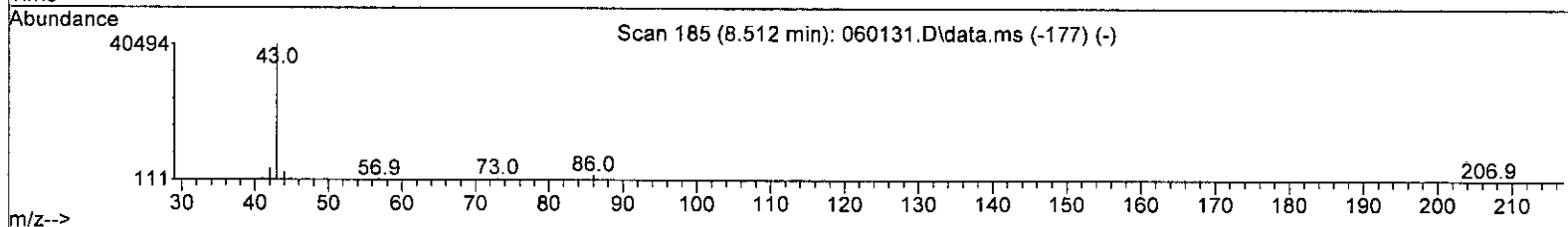
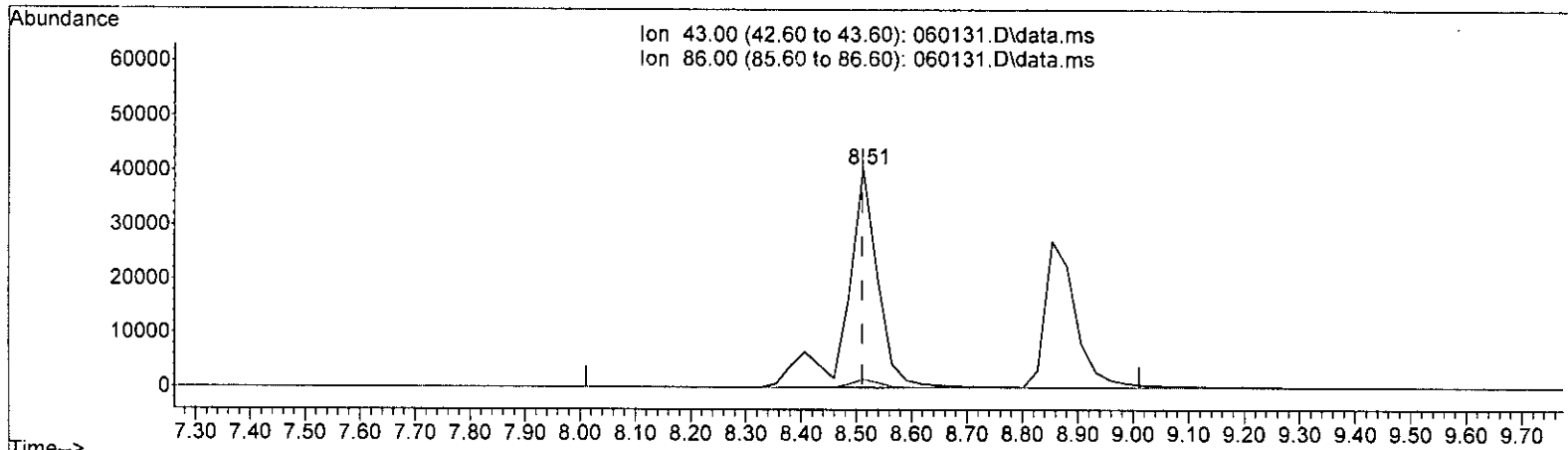
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 82.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: S. J. M.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060131.D\data.ms

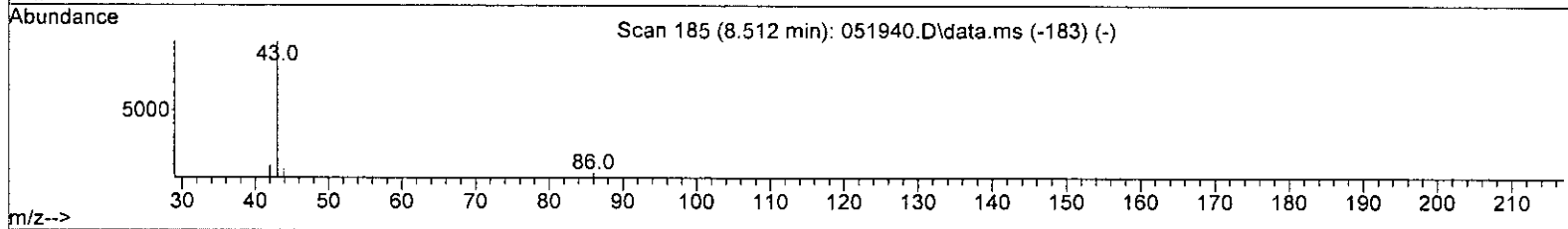
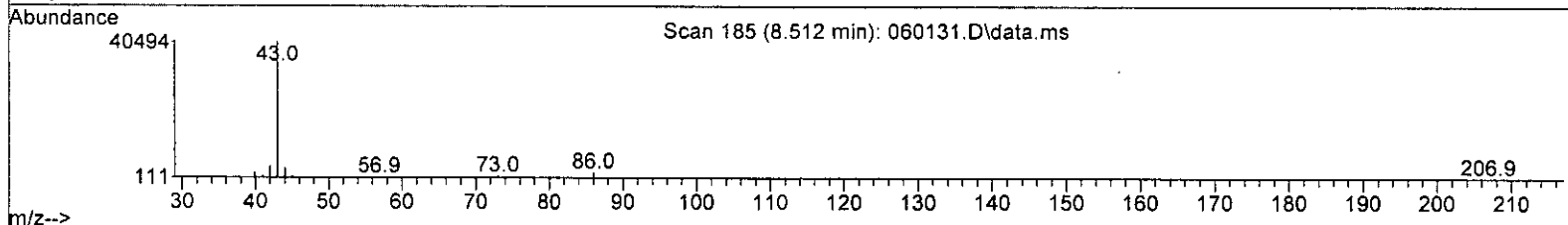
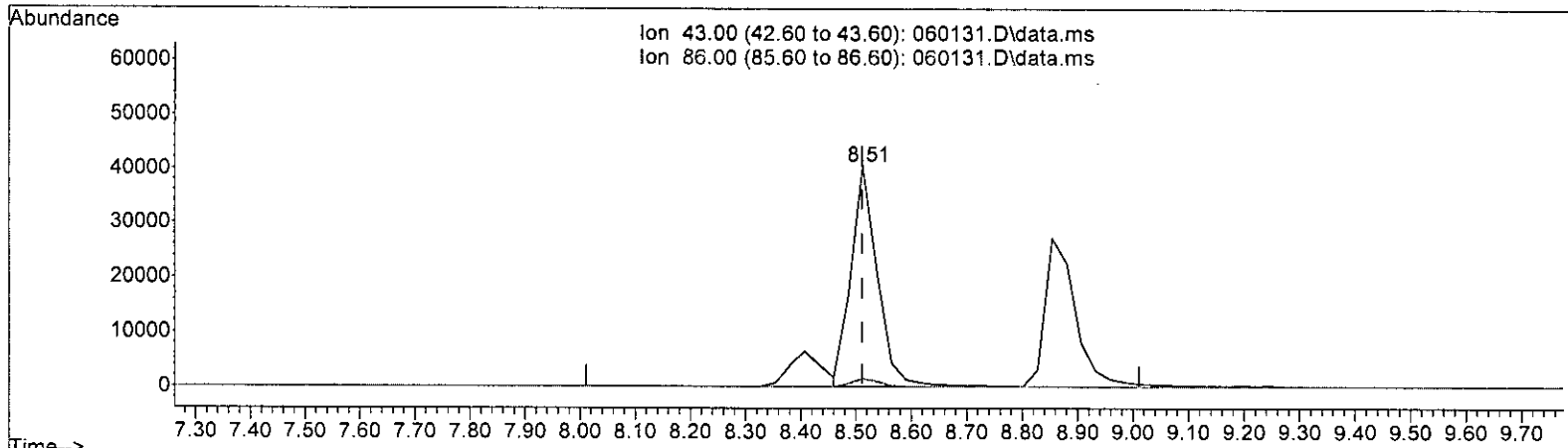
| (26) Vinyl acetate (TMP) | | |
|--------------------------|--------|--------|
| 8.512min (+ 0.000) | 17.342 | ppbv |
| response | 160542 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.70 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 JEM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060131.D\data.ms

| (26) Vinyl acetate (TMP) | | |
|--------------------------|---------------|--------|
| 8.512min (+ 0.000) | 14.388 ppbv m | |
| response | 133197 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.70 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: GLO JAM

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|------|-------|----------|
| 1 I | Bromochloromethane | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Propene | 15.000 | 16.036 | -6.9 | 100 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 15.000 | 15.187 | -1.2 | 100 | 0.00 |
| 4 TMP | Chloromethane | 15.000 | 12.793 | 14.7 | 100 | 0.04 |
| 5 TMP | F-114 | 15.000 | 13.666 | 8.9 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 15.000 | 13.743 | 8.4 | 100 | 0.04 |
| 7 TMP | 1,3-Butadiene | 15.000 | 14.645 | 2.4 | 100 | 0.00 |
| 8 TMP | Butane | 15.000 | 14.000 | 6.7 | 100 | 0.04 |
| 9 TMP | Bromomethane | 15.000 | 13.852 | 7.7 | 100 | 0.04 |
| 10 TMP | Chloroethane | 15.000 | 13.769 | 8.2 | 100 | 0.00 |
| 11 TMP | Vinyl bromide | 15.000 | 15.568 | -3.8 | 111 | 0.00 |
| 12 TMP | Ethanol | 15.000 | 12.738 | 15.1 | 100 | -0.04 |
| 13 TMP | Acrolein | 15.000 | 13.580 | 9.5 | 99 | 0.00 |
| 14 TMP | Pentane | 15.000 | 14.618 | 2.5 | 100 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 15.000 | 15.212 | -1.4 | 101 | 0.00 |
| 16 TMP | Acetone | 15.000 | 14.814 | 1.2 | 100 | -0.02 |
| 17 TMP | 2-Propanol | 15.000 | 15.123 | -0.8 | 100 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 15.000 | 13.539 | 9.7 | 100 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 15.000 | 13.811 | 7.9 | 100 | 0.00 |
| 20 TMP | Methylene chloride | 15.000 | 13.875 | 7.5 | 100 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 15.000 | 14.177 | 5.5 | 100 | -0.03 |
| 22 TMP | 3-Chloropropene | 15.000 | 14.444 | 3.7 | 100 | 0.00 |
| 23 TMP | CFC-113 | 15.000 | 13.956 | 7.0 | 100 | 0.00 |
| 24 TMP | Carbon disulfide | 15.000 | 13.602 | 9.3 | 100 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 15.000 | 14.341 | 4.4 | 100 | 0.00 |
| 26 TMP | Vinyl acetate | 15.000 | 14.388 | 4.1 | 100 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 15.000 | 13.706 | 8.6 | 100 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 15.000 | 13.451 | 10.3 | 100 | 0.00 |
| 29 TMP | Hexane | 15.000 | 14.338 | 4.4 | 100 | 0.00 |
| 30 TMP | Chloroform | 15.000 | 12.971 | 13.5 | 100 | 0.00 |
| 31 TMP | Ethyl acetate | 15.000 | 14.125 | 5.8 | 100 | 0.00 |
| 32 TMP | Tetrahydrofuran | 15.000 | 16.141 | -7.6 | 100 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 15.000 | 15.099 | -0.7 | 100 | -0.03 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 15.000 | 13.349 | 11.0 | 100 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 15.000 | 13.357 | 11.0 | 100 | 0.00 |
| 36 TMP | Carbon tetrachloride | 15.000 | 13.522 | 9.9 | 101 | 0.00 |
| 37 TMP | Benzene | 15.000 | 12.873 | 14.2 | 100 | 0.00 |
| 38 TMP | Cyclohexane | 15.000 | 14.020 | 6.5 | 100 | 0.00 |
| 39 I | 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 15.000 | 14.314 | 4.6 | 100 | 0.00 |
| 41 TMP | 1,4-Dioxane | 15.000 | 14.322 | 4.5 | 100 | -0.02 |
| 42 TMP | 2,2,4-Trimethylpentane | 15.000 | 14.778 | 1.5 | 101 | 0.00 |
| 43 TMP | Methyl methacrylate | 15.000 | 14.899 | 0.7 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 15.000 | 15.855 | -5.7 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 15.000 | 14.278 | 4.8 | 100 | 0.00 |
| 46 TMP Trichloroethene | 15.000 | 13.816 | 7.9 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 15.000 | 15.461 | -3.1 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 15.000 | 15.825 | -5.5 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 15.000 | 14.752 | 1.7 | 100 | 0.00 |
| 50 TMP Toluene | 15.000 | 13.885 | 7.4 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 15.000 | 14.222 | 5.2 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 15.000 | 14.780 | 1.5 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 15.000 | 14.124 | 5.8 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 15.000 | 14.508 | 3.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 15.000 | 13.309 | 11.3 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 15.000 | 14.180 | 5.5 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 15.000 | 13.422 | 10.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 15.000 | 13.059 | 12.9 | 100 | 0.00 |
| 60 TMP Nonane | 15.000 | 13.950 | 7.0 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 15.000 | 13.986 | 6.8 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 15.000 | 14.249 | 5.0 | 100 | 0.00 |
| 63 TMP Propylbenzene | 15.000 | 14.637 | 2.4 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 15.000 | 14.742 | 1.7 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 30.000 | 26.468 | 11.8 | 100 | 0.00 |
| 66 TMP o-Xylene | 15.000 | 13.841 | 7.7 | 100 | 0.00 |
| 67 TMP Styrene | 15.000 | 15.591 | -3.9 | 100 | 0.00 |
| 68 TMP Bromoform | 15.000 | 13.942 | 7.1 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.386 | -3.9 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 15.000 | 16.045 | -7.0 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 15.000 | 14.476 | 3.5 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 15.000 | 16.037 | -6.9 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 15.000 | 14.654 | 2.3 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 15.000 | 14.692 | 2.1 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 15.000 | 14.851 | 1.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 15.000 | 16.959 | -13.1 | 100 | 0.00 |
| 77 TMP Naphthalene | 15.000 | 14.711 | 1.9 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 15.000 | 14.195 | 5.4 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Propene | 1.293 | 1.383 | -7.0 | 100 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 4.361 | -1.2 | 100 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.404 | 14.7 | 100 | 0.04 |
| 5 TMP F-114 | 4.259 | 3.881 | 8.9 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 1.694 | 8.4 | 100 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.182 | 2.4 | 100 | 0.00 |
| 8 TMP Butane | 2.441 | 2.278 | 6.7 | 100 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.467 | 7.6 | 100 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.629 | 8.2 | 100 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.717 | -3.7 | 111 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.541 | 15.1 | 100 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.601 | 9.5 | 99 | 0.00 |
| 14 TMP Pentane | 2.765 | 2.695 | 2.5 | 100 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 4.529 | -1.4 | 101 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.681 | 1.2 | 100 | -0.02 |
| 17 TMP 2-Propanol | 3.342 | 3.370 | -0.8 | 100 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.432 | 9.8 | 100 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.444 | 7.9 | 100 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.373 | 7.5 | 100 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 2.785 | 5.5 | 100 | -0.03 |
| 22 TMP 3-Chloropropene | 2.167 | 2.087 | 3.7 | 100 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 3.159 | 7.0 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 4.573 | 9.3 | 100 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.409 | 4.4 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.156 | 4.1 | 100 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.117 | 8.6 | 100 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.528 | 10.3 | 100 | 0.00 |
| 29 TMP Hexane | 2.070 | 1.978 | 4.4 | 100 | 0.00 |
| 30 TMP Chloroform | 4.005 | 3.463 | 13.5 | 100 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 3.704 | 5.8 | 100 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.987 | -7.6 | 100 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.610 | -0.7 | 100 | -0.03 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.284 | 11.0 | 100 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.096 | 11.0 | 100 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.188 | 9.8 | 101 | 0.00 |
| 37 TMP Benzene | 5.466 | 4.691 | 14.2 | 100 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.266 | 6.6 | 100 | 0.00 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.574 | 4.5 | 100 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.253 | 4.5 | 100 | -0.02 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.781 | 1.5 | 101 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.549 | 0.5 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.659 | -5.8 | 100 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 0.927 | 4.8 | 100 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.566 | 8.0 | 100 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.710 | -3.0 | 100 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.049 | -4.3 | 100 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.683 | 1.7 | 100 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.733 | 7.4 | 100 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.544 | 5.1 | 100 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.938 | 1.5 | 100 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.457 | 6.0 | 100 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.913 | 3.3 | 100 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.828 | 11.3 | 100 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.011 | 5.5 | 100 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.555 | 10.5 | 100 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.333 | 12.9 | 100 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.698 | 6.9 | 100 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.396 | 6.7 | 100 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.381 | 5.0 | 100 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 2.946 | 2.4 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.443 | 1.7 | 100 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.547 | 11.8 | 100 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.486 | 7.8 | 100 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.797 | -3.9 | 100 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.874 | 7.0 | 100 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.736 | -3.8 | 100 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.447 | -6.9 | 100 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.279 | 3.5 | 100 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.252 | -6.9 | 100 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.028 | 2.4 | 100 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.967 | 2.1 | 100 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.007 | 1.0 | 100 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.902 | -13.0 | 100 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.575 | -28.2 | 100 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.043 | 5.4 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 21366 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 84519 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 78084 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 57481 | 10.386 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 103.90% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Propene | 3.41 | 41 | 44313 | 16.036 | ppbv | 98 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 139772 | 15.187 | ppbv | 99 |
| 4) Chloromethane | 3.73 | 50 | 45002 | 12.793 | ppbv | 77 |
| 5) F-114 | 3.88 | 85 | 124370 | 13.666 | ppbv | 96 |
| 6) Vinyl chloride | 4.05 | 62 | 54292 | 13.743 | ppbv | 96 |
| 7) 1,3-Butadiene | 4.21 | 54 | 37893 | 14.645 | ppbv # | 86 |
| 8) Butane | 4.32 | 43 | 73021 | 14.000 | ppbv | 98 |
| 9) Bromomethane | 4.60 | 94 | 47013 | 13.852 | ppbv | 98 |
| 10) Chloroethane | 4.80 | 64 | 20162m | 13.769 | ppbv | |
| 11) Vinyl bromide | 5.26 | 106 | 55035 | 15.568 | ppbv | 99 |
| 12) Ethanol | 4.92 | 45 | 17323 | 12.738 | ppbv | 91 |
| 13) Acrolein | 5.38 | 56 | 19277m | 13.580 | ppbv | |
| 14) Pentane | 6.25 | 43 | 86374 | 14.618 | ppbv | 99 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 145137 | 15.212 | ppbv | 97 |
| 16) Acetone | 5.53 | 58 | 21824 | 14.814 | ppbv | 95 |
| 17) 2-Propanol | 5.78 | 45 | 107993 | 15.123 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 6.65 | 96 | 45896 | 13.539 | ppbv | 91 |
| 19) trans-1,2-Dichloroethene | 8.07 | 96 | 46270 | 13.811 | ppbv # | 81 |
| 20) Methylene chloride | 6.78 | 84 | 44016 | 13.875 | ppbv | 100 |
| 21) t-Butyl alcohol (TBA) | 6.54 | 59 | 89241 | 14.177 | ppbv # | 81 |
| 22) 3-Chloropropene | 6.94 | 41 | 66873 | 14.444 | ppbv | 96 |
| 23) CFC-113 | 7.15 | 101 | 101258 | 13.956 | ppbv | 99 |
| 24) Carbon disulfide | 7.25 | 76 | 146563 | 13.602 | ppbv | 98 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 109246 | 14.341 | ppbv | 98 |
| 26) Vinyl acetate | 8.51 | 43 | 133197m | 14.388 | ppbv | |
| 27) 1,1-Dichloroethane | 8.33 | 63 | 99899 | 13.706 | ppbv | 96 |
| 28) cis-1,2-Dichloroethene | 9.60 | 96 | 48972 | 13.451 | ppbv | 85 |
| 29) Hexane | 9.99 | 57 | 63399 | 14.338 | ppbv | 98 |
| 30) Chloroform | 10.07 | 83 | 110992 | 12.971 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 118703 | 14.125 | ppbv | 99 |
| 32) Tetrahydrofuran | 10.71 | 42 | 63685 | 16.141 | ppbv | 92 |
| 33) 2-Butanone (MEK) | 8.85 | 72 | 19555 | 15.099 | ppbv # | 93 |
| 34) 1,2-Dichloroethane (EDC) | 11.30 | 62 | 73198 | 13.349 | ppbv | 99 |
| 35) 1,1,1-Trichloroethane | 11.79 | 97 | 99233 | 13.357 | ppbv | 98 |
| 36) Carbon tetrachloride | 12.83 | 117 | 102166 | 13.522 | ppbv | 99 |
| 37) Benzene | 12.58 | 78 | 150333 | 12.873 | ppbv | 98 |
| 38) Cyclohexane | 13.05 | 84 | 40584 | 14.020 | ppbv | 96 |
| 40) 1,2-Dichloropropane | 13.77 | 63 | 72771 | 14.314 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

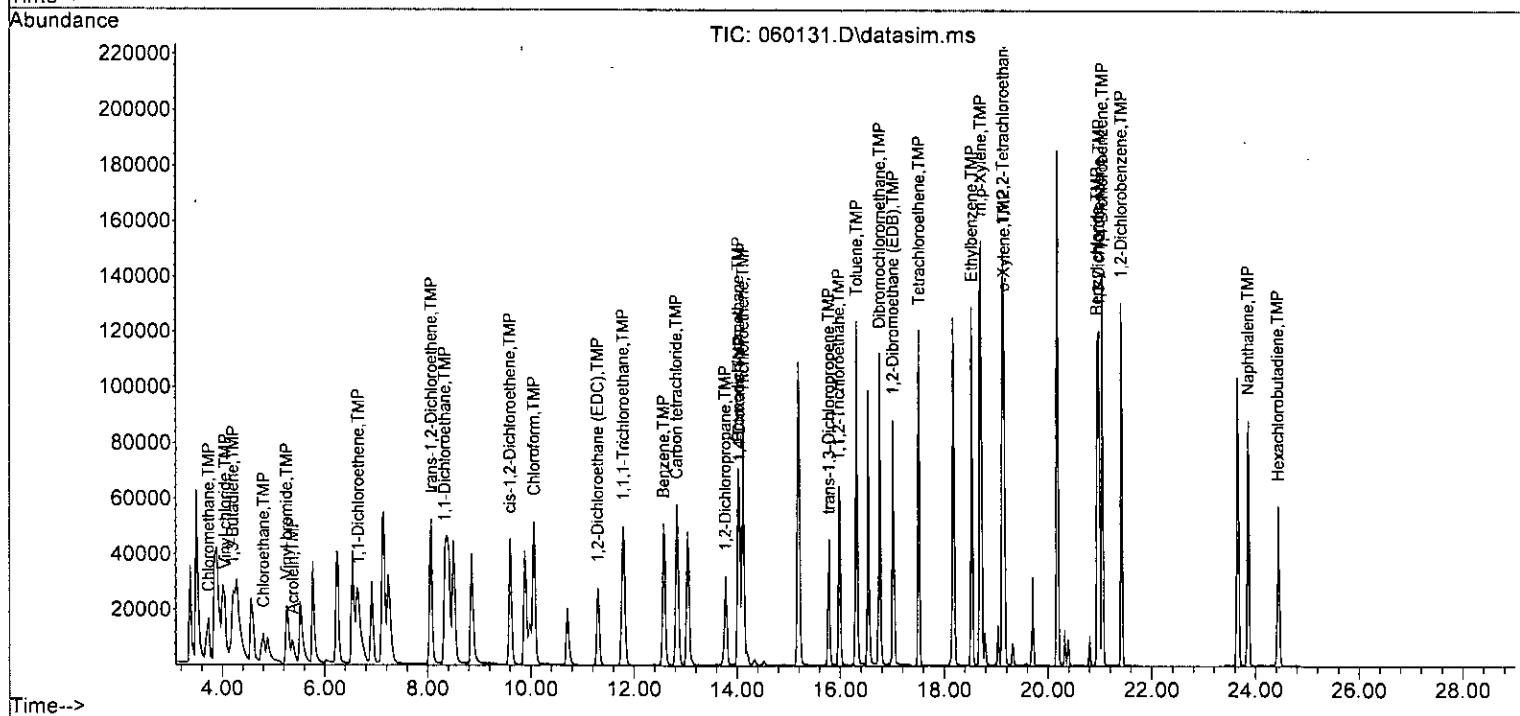
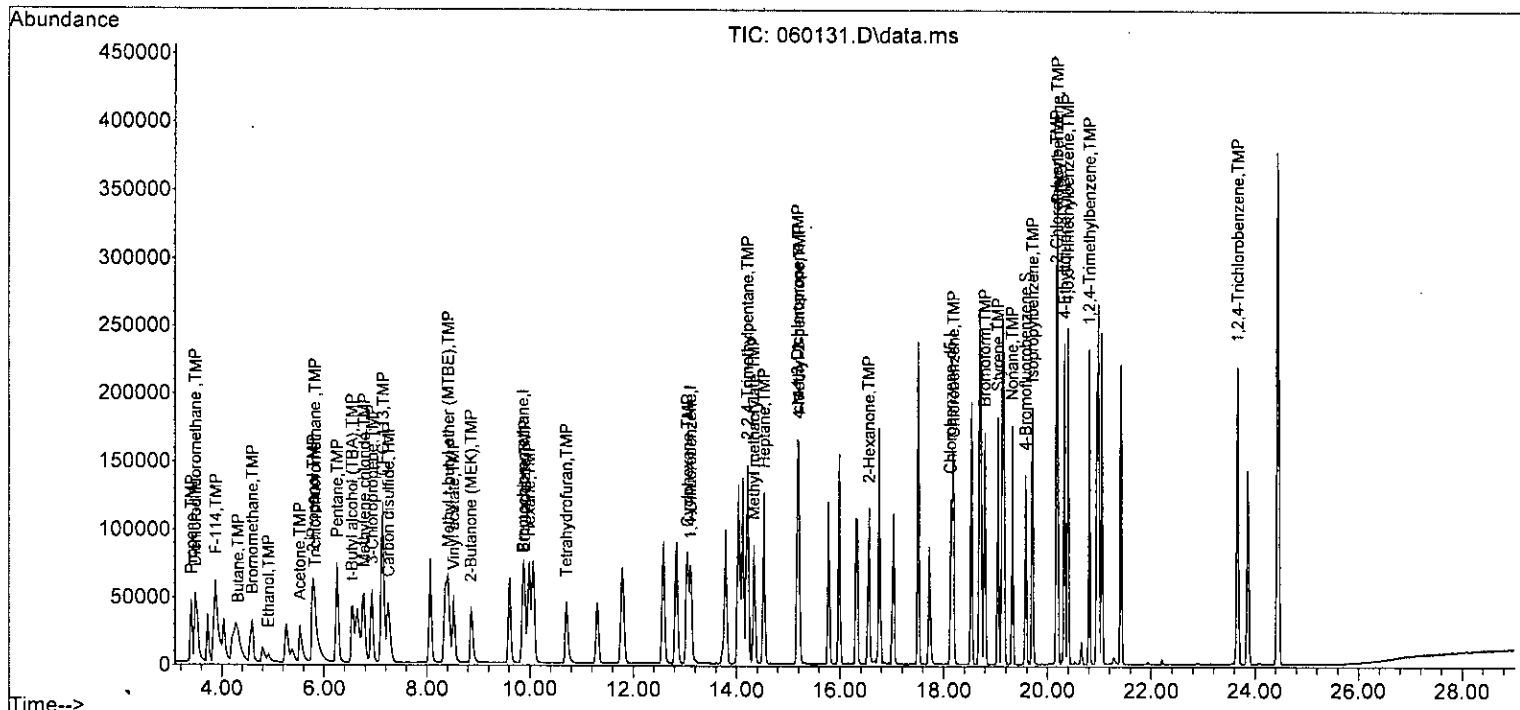
Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 41] 1,4-Dioxane | 14.05 | 88 | 32055 | 14.322 | ppbv | 81 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 225782 | 14.778 | ppbv | 100 |
| 43) Methyl methacrylate | 14.33 | 41 | 69543 | 14.899 | ppbv | 98 |
| 44) Heptane | 14.53 | 43 | 83537 | 15.855 | ppbv | 98 |
| 45] Bromodichloromethane | 14.02 | 83 | 117484 | 14.278 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 71764 | 13.816 | ppbv | 99 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 90068 | 15.461 | ppbv | 99 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 6268 | 15.825 | ppbv # | 78 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 86601 | 14.752 | ppbv | 92 |
| 50] Toluene | 16.31 | 92 | 92959 | 13.885 | ppbv | 84 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 68927 | 14.222 | ppbv | 98 |
| 52) 2-Hexanone | 16.56 | 43 | 118897 | 14.780 | ppbv | 98 |
| 53] Tetrachloroethene | 17.52 | 164 | 57998 | 14.124 | ppbv | 96 |
| 54] Dibromochloromethane | 16.76 | 129 | 115764 | 14.508 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 104935 | 13.309 | ppbv | 84 |
| 57) Chlorobenzene | 18.19 | 112 | 118462 | 14.180 | ppbv | 99 |
| 58] Ethylbenzene | 18.53 | 91 | 182104 | 13.422 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 156150 | 13.059 | ppbv | 91 |
| 60) Nonane | 19.32 | 43 | 81748 | 13.950 | ppbv | 96 |
| 61) Isopropylbenzene | 19.72 | 105 | 163481 | 13.986 | ppbv | 99 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 44656 | 14.249 | ppbv | 90 |
| 63) Propylbenzene | 20.19 | 91 | 345090 | 14.637 | ppbv | 98 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 169032 | 14.742 | ppbv | 100 |
| 65] m,p-Xylene | 18.70 | 106 | 128229 | 26.468 | ppbv | 95 |
| 66] o-Xylene | 19.15 | 106 | 56921 | 13.841 | ppbv | 97 |
| 67) Styrene | 19.05 | 104 | 93351 | 15.591 | ppbv | 100 |
| 68) Bromoform | 18.80 | 173 | 102357 | 13.942 | ppbv | 98 |
| 70] Benzyl chloride | 20.95 | 91 | 169530 | 16.045 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 149827 | 14.476 | ppbv | 99 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 146626 | 16.037 | ppbv | 97 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 120461 | 14.654 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 113297 | 14.692 | ppbv | 93 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 117991 | 14.851 | ppbv | 97 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 105685 | 16.959 | ppbv | 98 |
| 77] Naphthalene | 23.86 | 128 | 184473 | 14.711 | ppbv | 98 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 122202 | 14.195 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060131.D
 Acq On : 2 Jun 2023 8:01 am
 Operator : bat
 Sample : 15 ppbv T015 69-62-a
 Misc : cal line
 ALS Vial : 31 Sample Multiplier: 1
 InstName : GCMS7

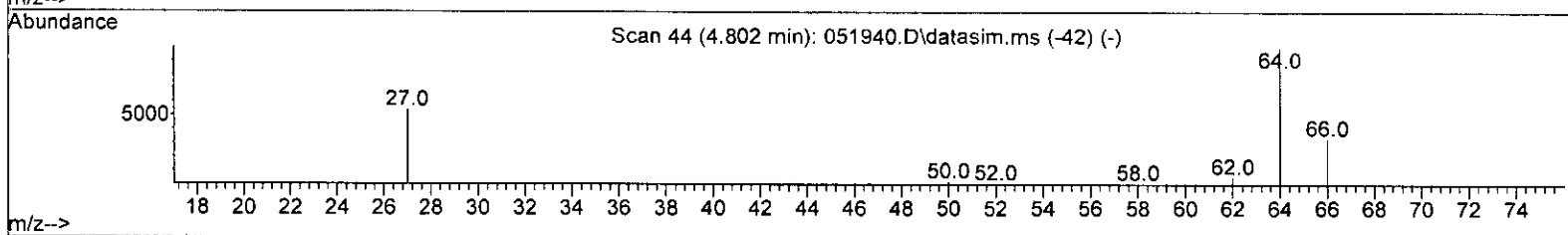
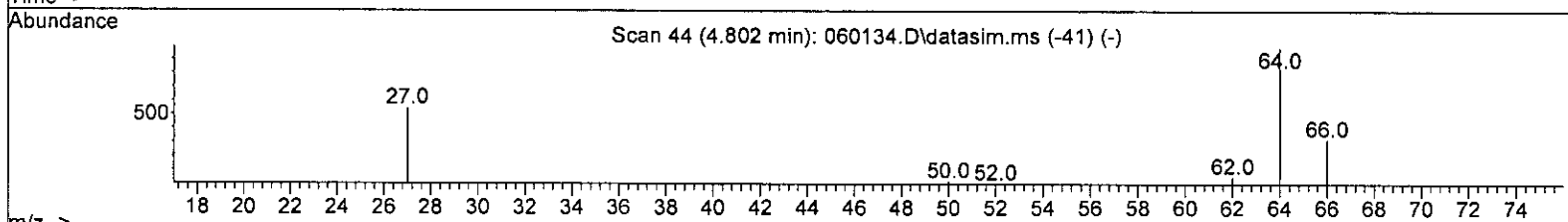
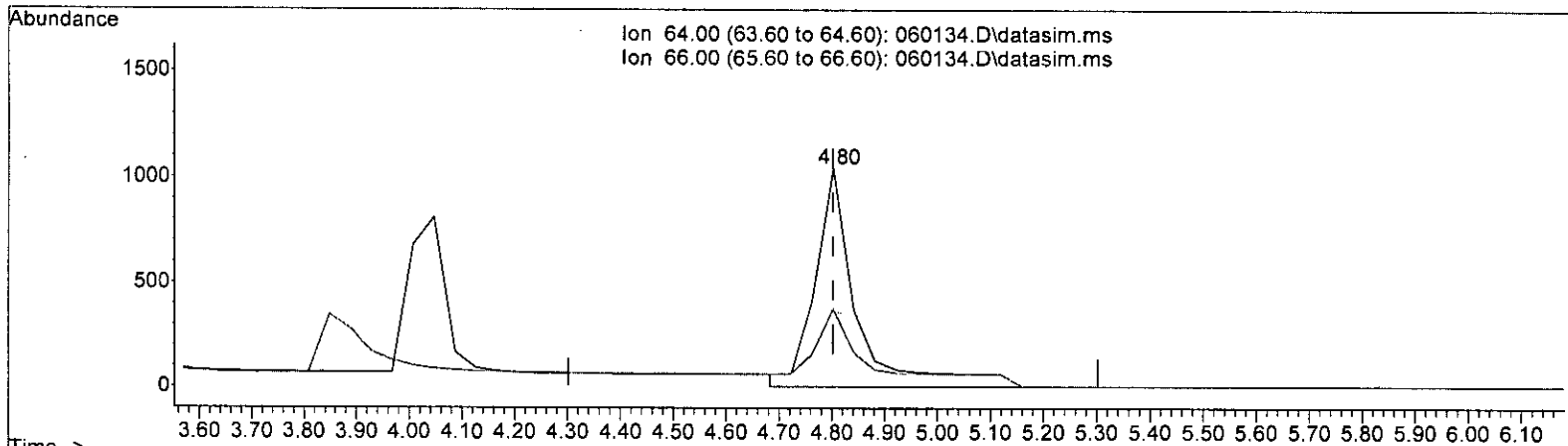
Quant Time: Jun 06 13:07:15 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

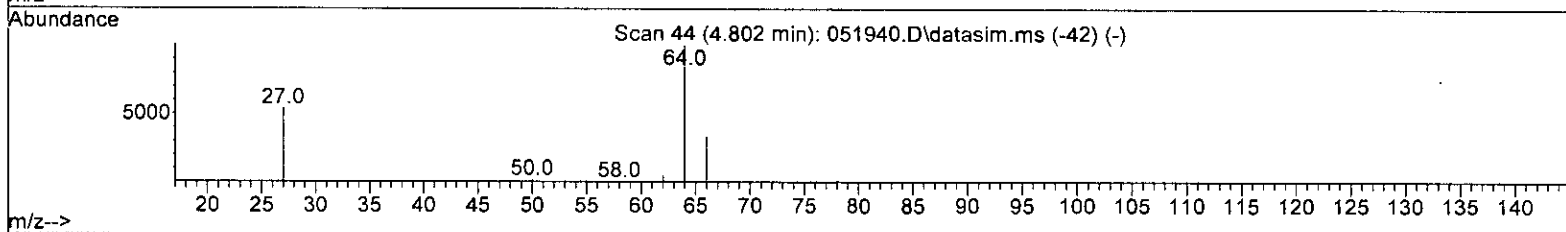
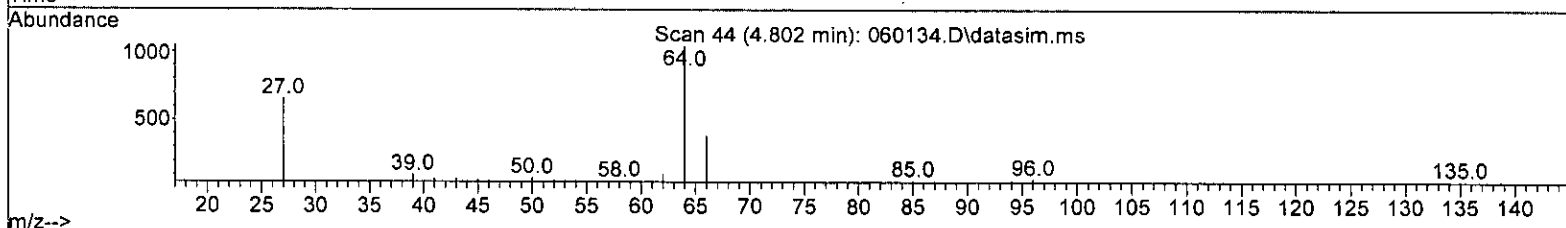
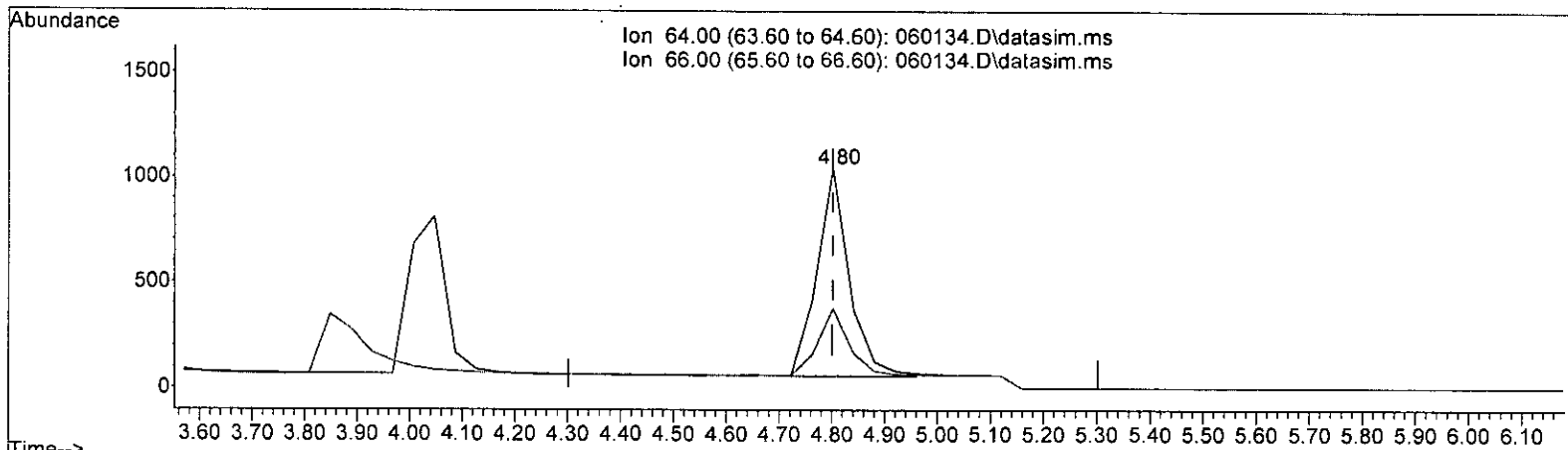
| (10) Chloroethane (TMP) | | |
|-------------------------|------------|--------|
| 4.802min (+ 0.000) | 3.597 ppbv | |
| response | 5513 | |
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 PM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(10) Chloroethane (TMP)
 4.802min (+ 0.000) 2.803 ppbv m

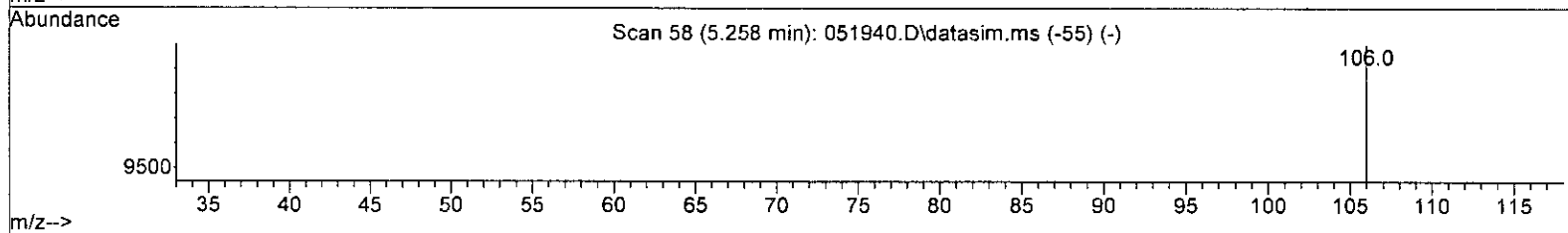
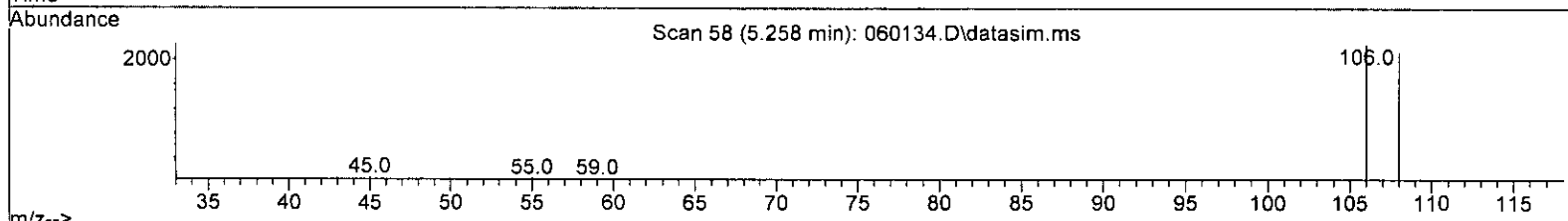
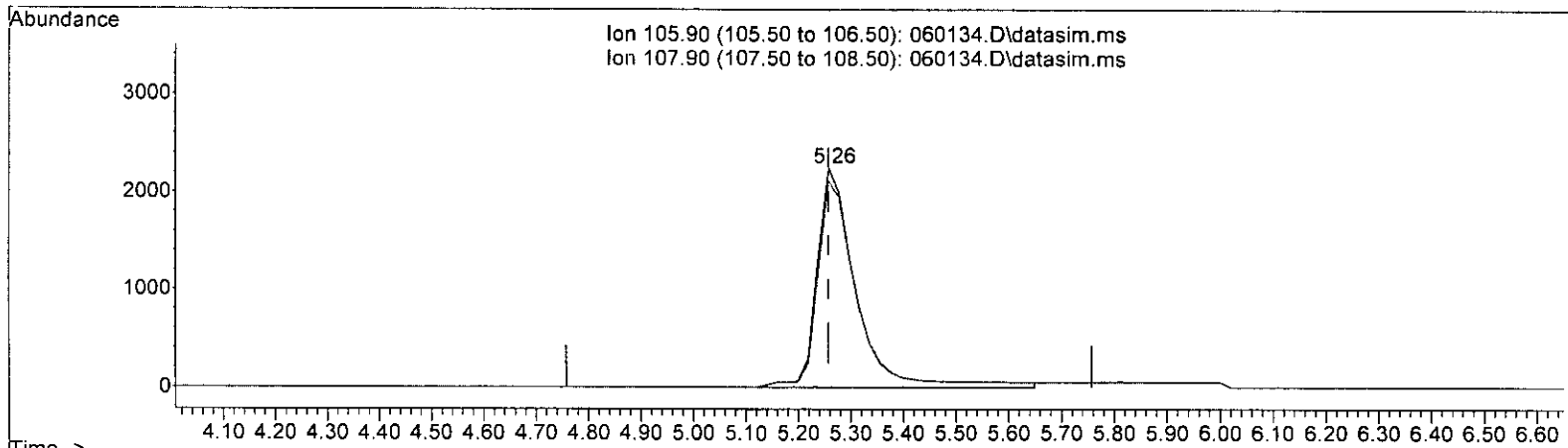
| response | 4180 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

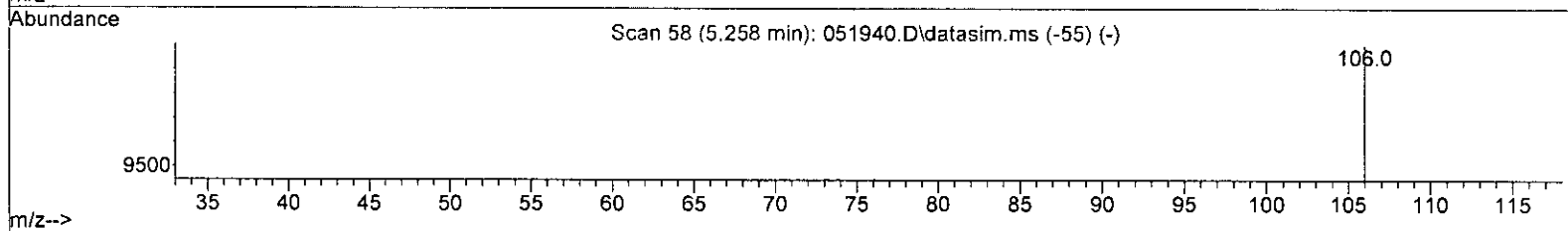
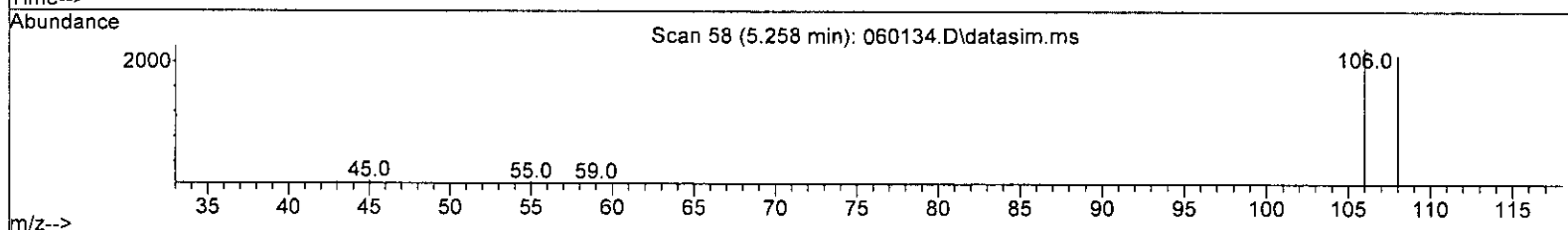
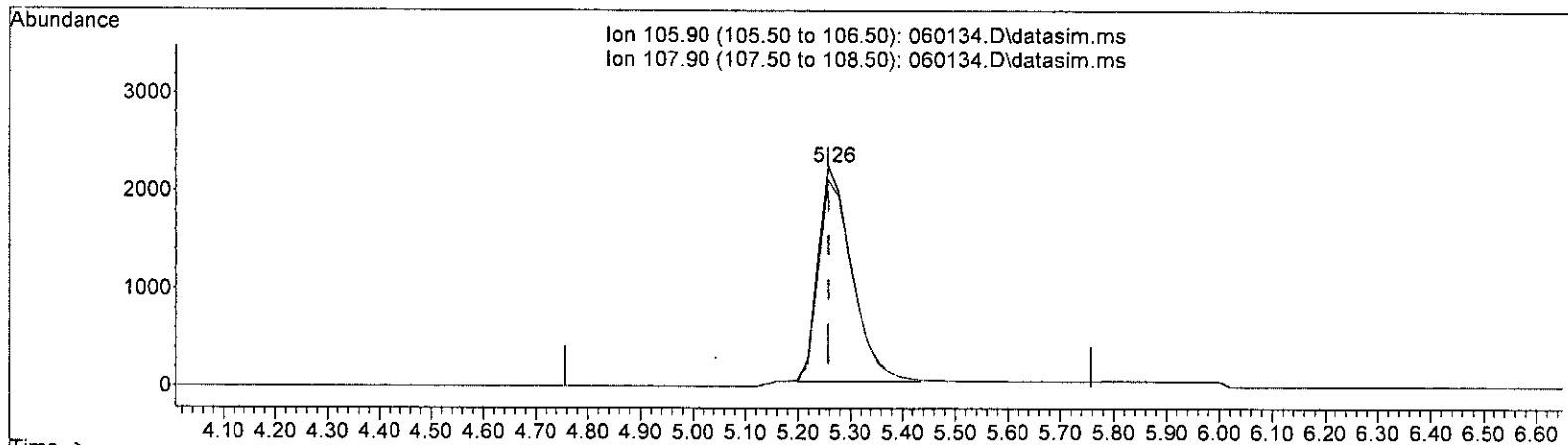
| (11) Vinyl bromide (TMP) | | |
|--------------------------|--------|--------|
| 5.258min (-0.000) | 3.469 | ppbv |
| response | 12487 | |
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 95.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/6 am

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 2.773 ppbv m

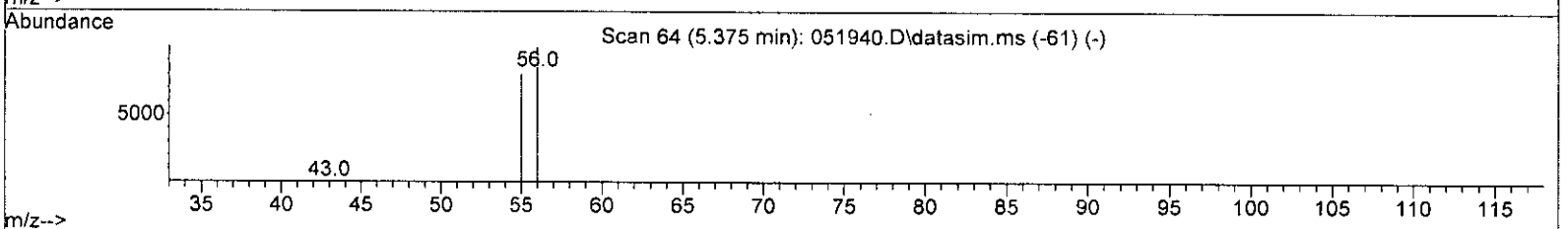
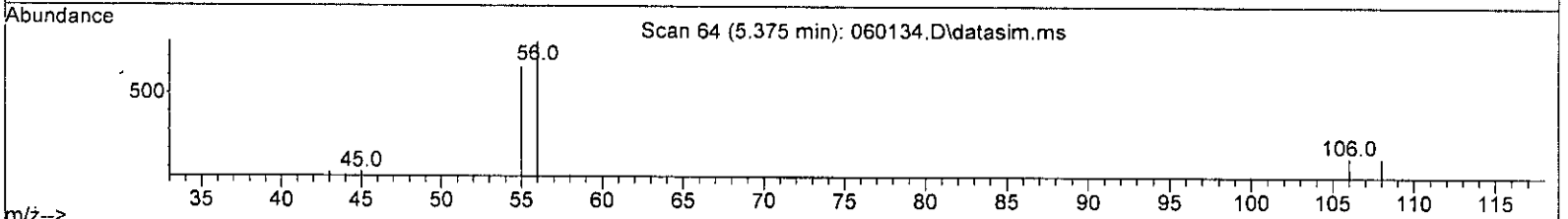
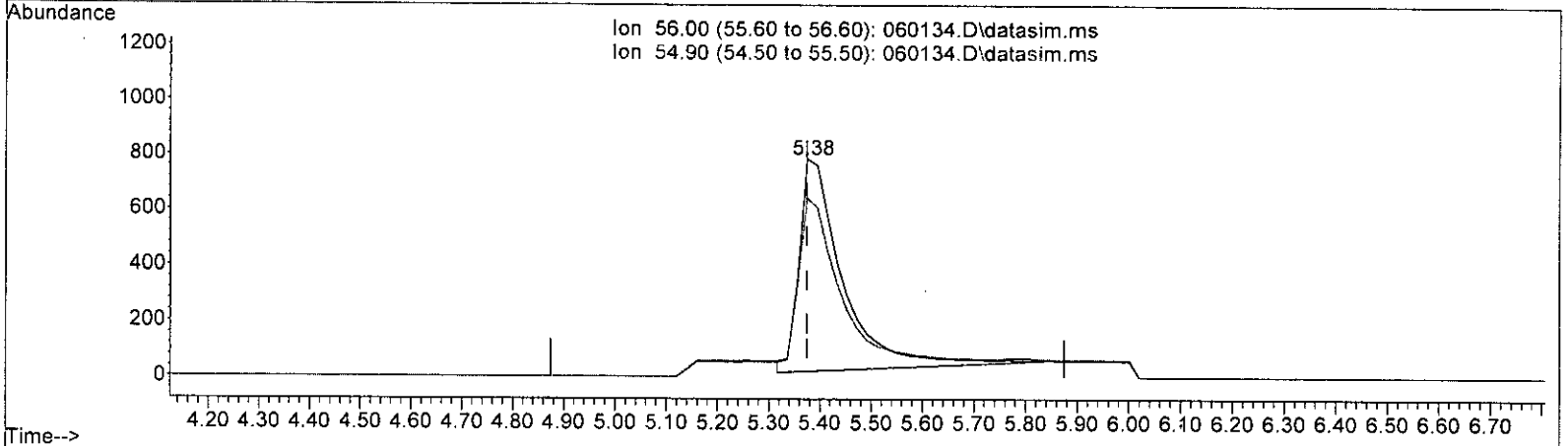
| response | 9984 | | |
|----------|--------|---------|--|
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 119.78# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

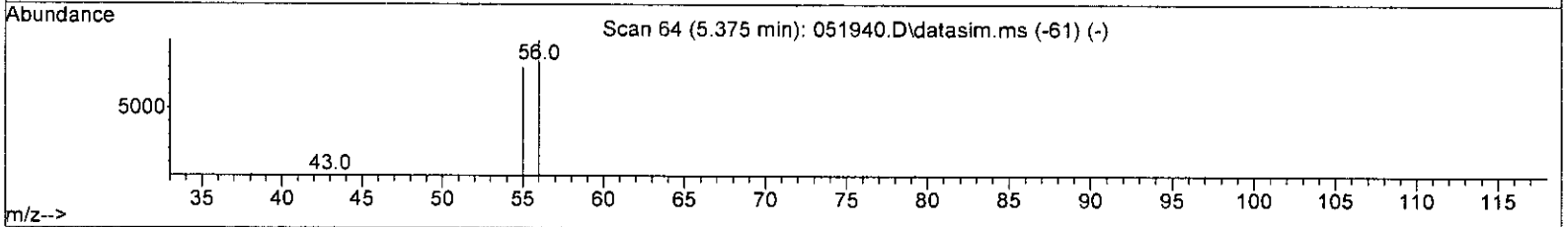
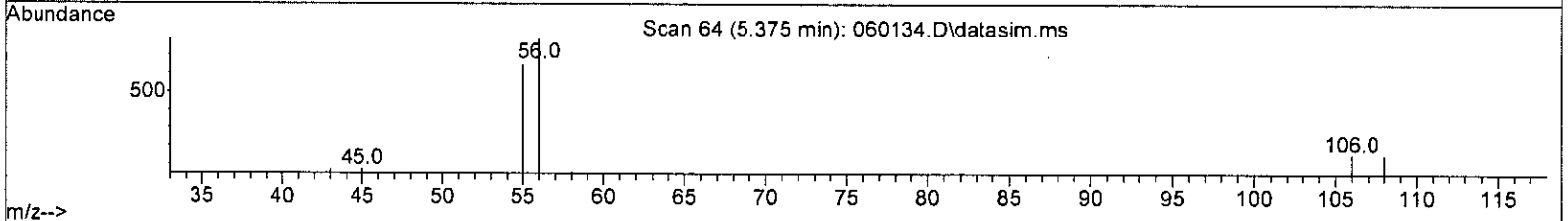
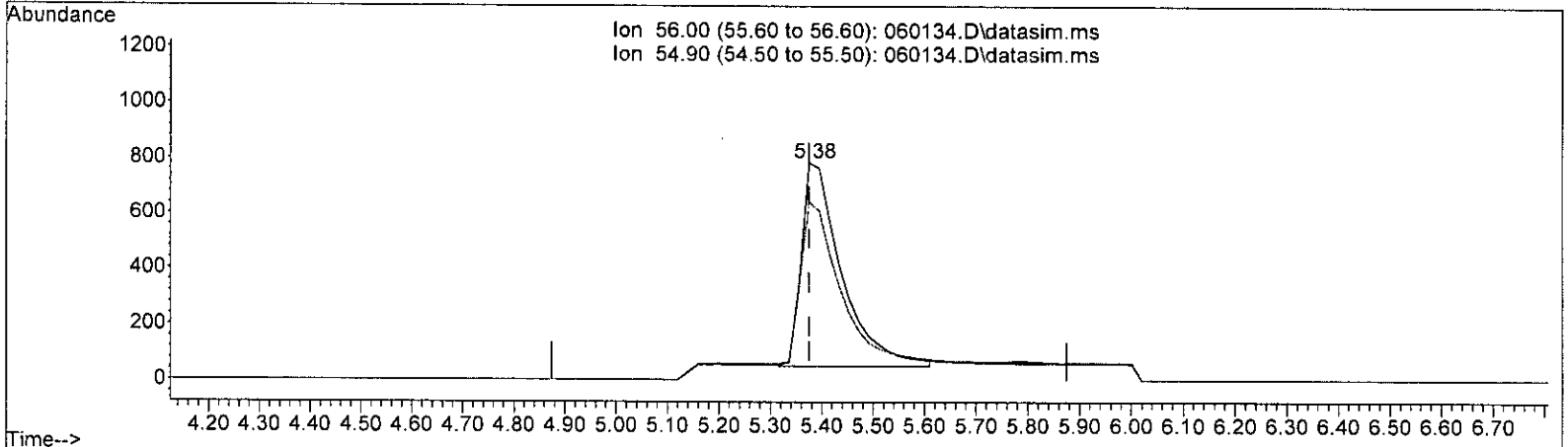
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.375min (+ 0.000) | 3.132 | ppbv |
| response | 4527 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 80.14 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: sb

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(13) Acrolein (TMP)

5.375min (+ 0.000) 2.737 ppbv m

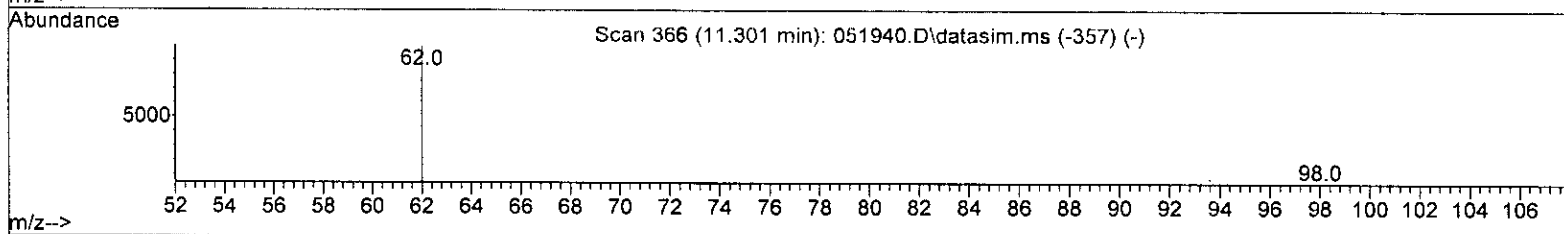
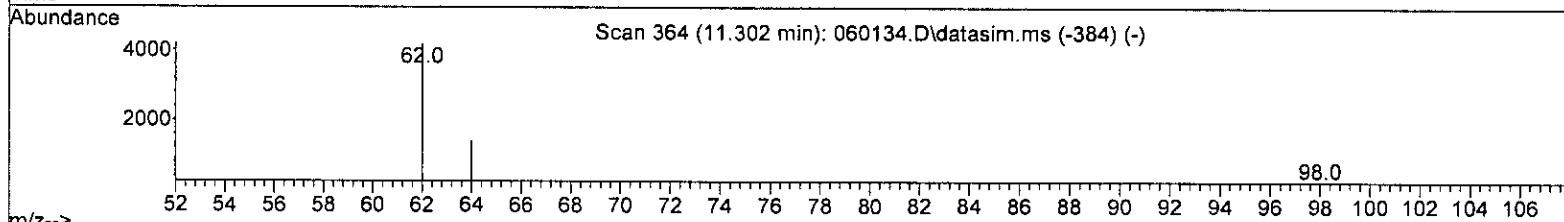
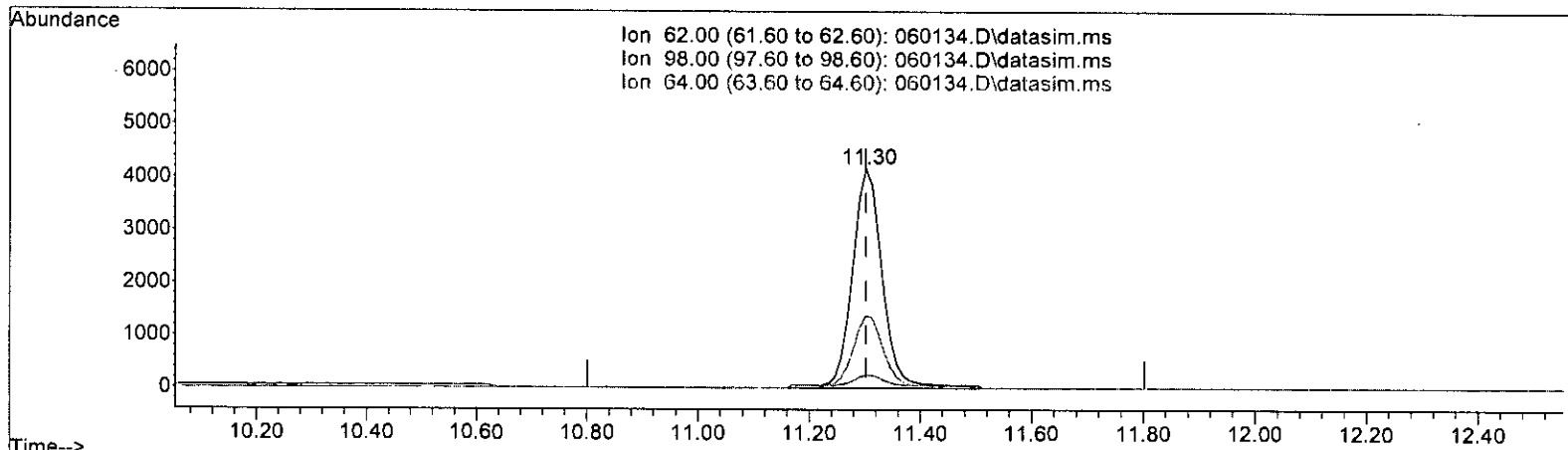
| response | 3956 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 91.71 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: G. O. J.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T01Sss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.528 ppbv

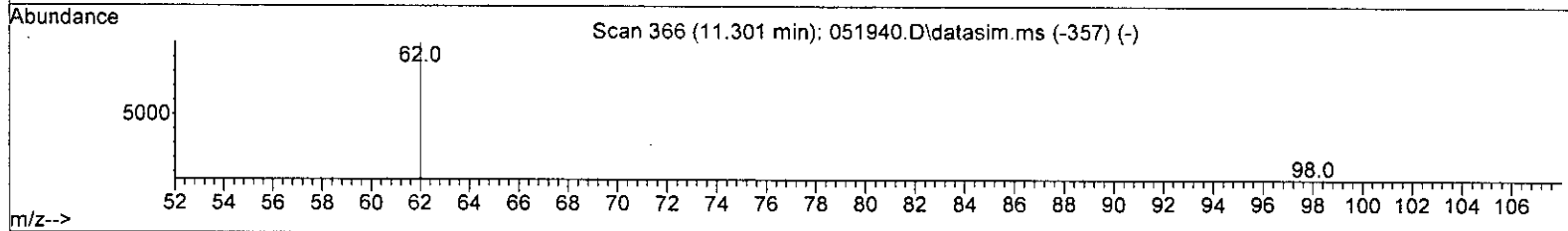
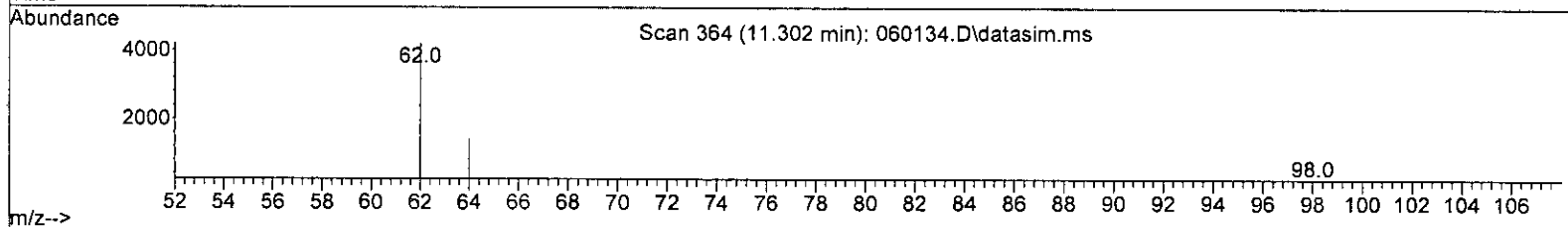
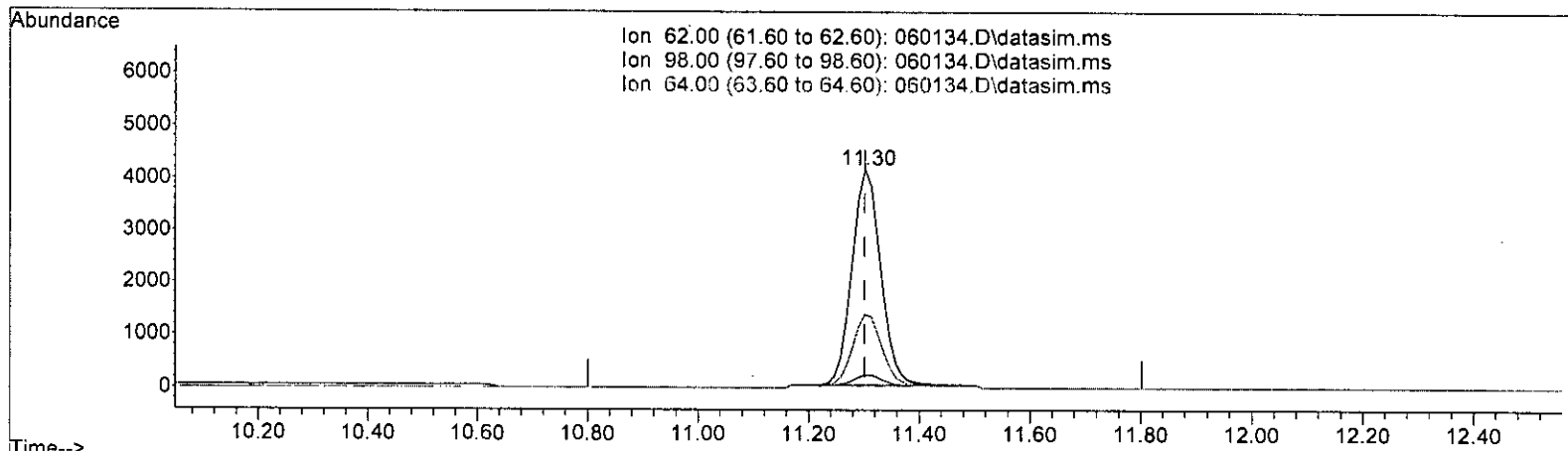
| response | 15789 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.91 |
| 64.00 | 33.00 | 33.33 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.656 ppbv m

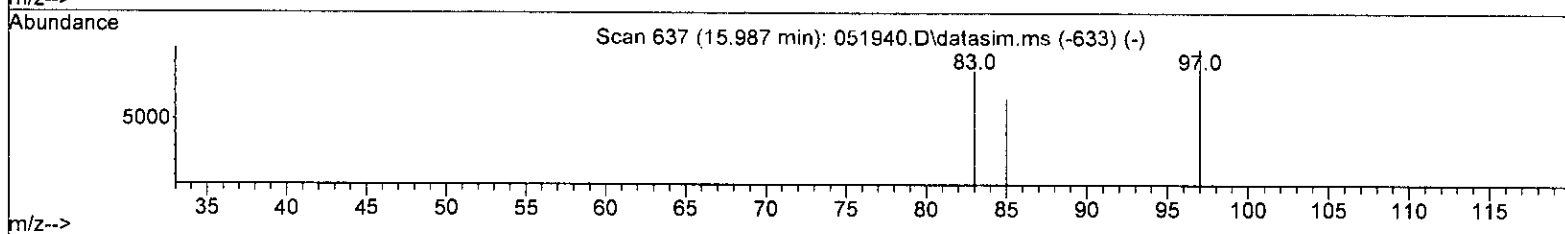
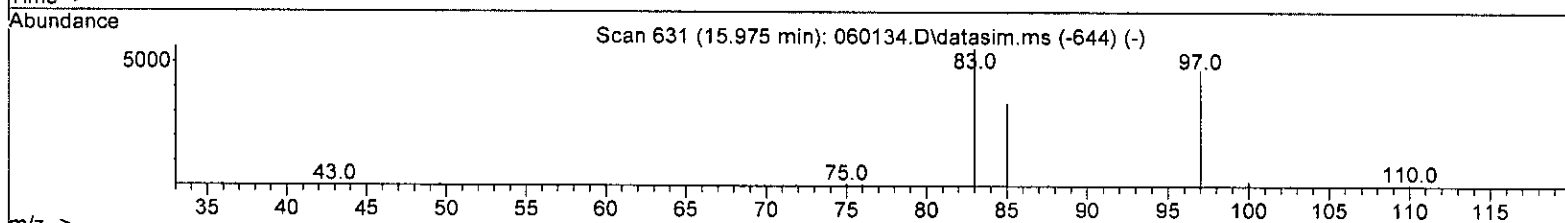
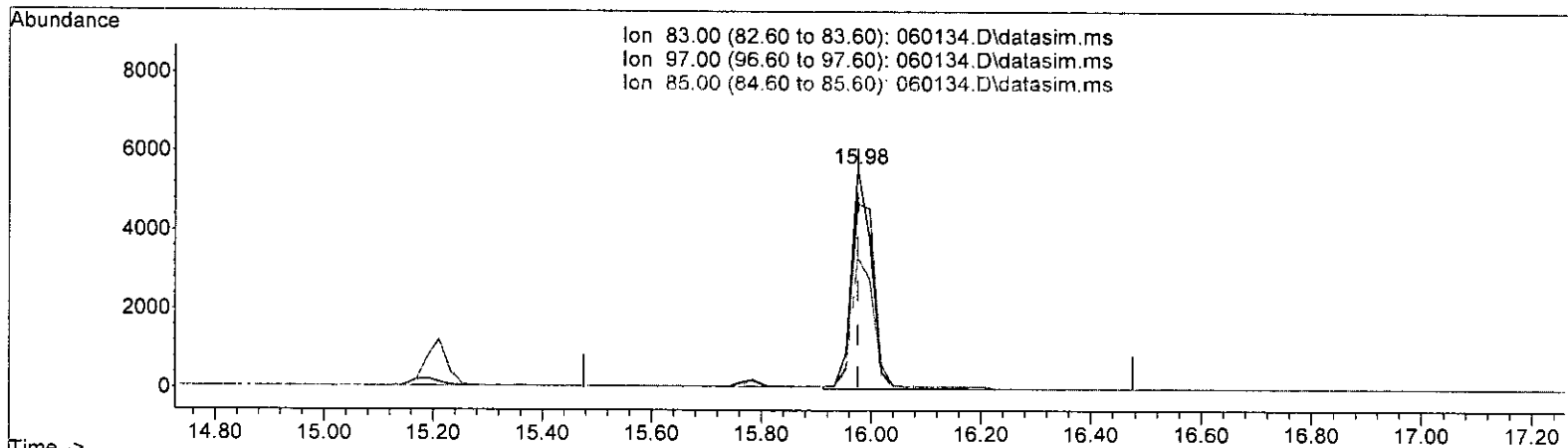
| response | 14831 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 5.91 | |
| 64.00 | 33.00 | 33.33 | |
| 0.00 | 0.00 | 0.00 | |

G. O. M.

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

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

15.975min (-0.001) 2.808 ppbv

response 14785

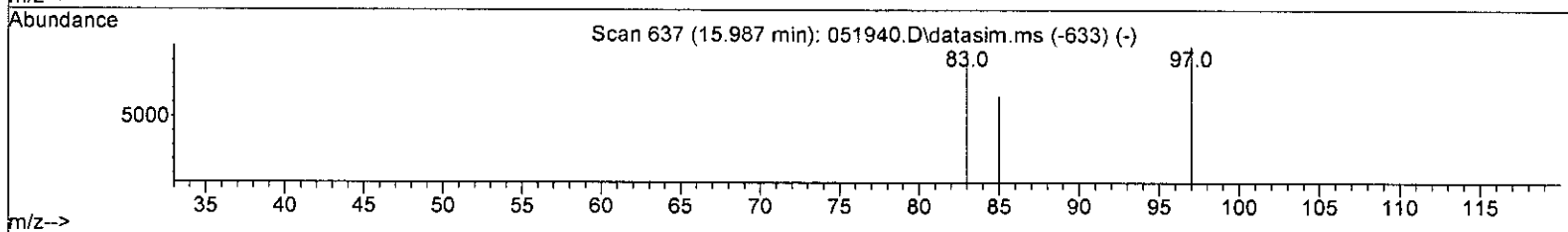
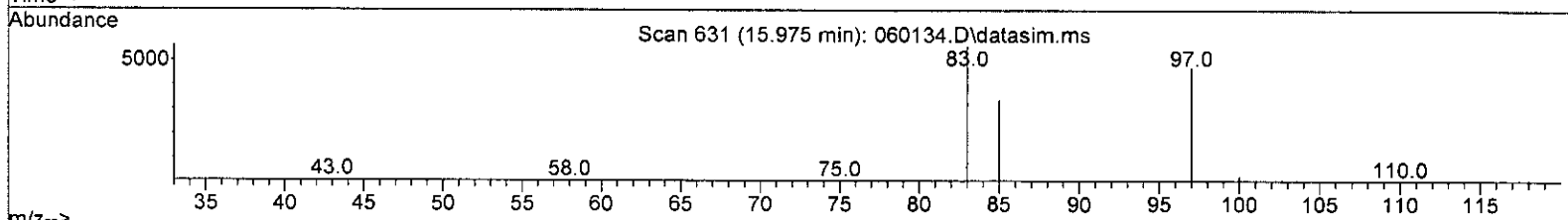
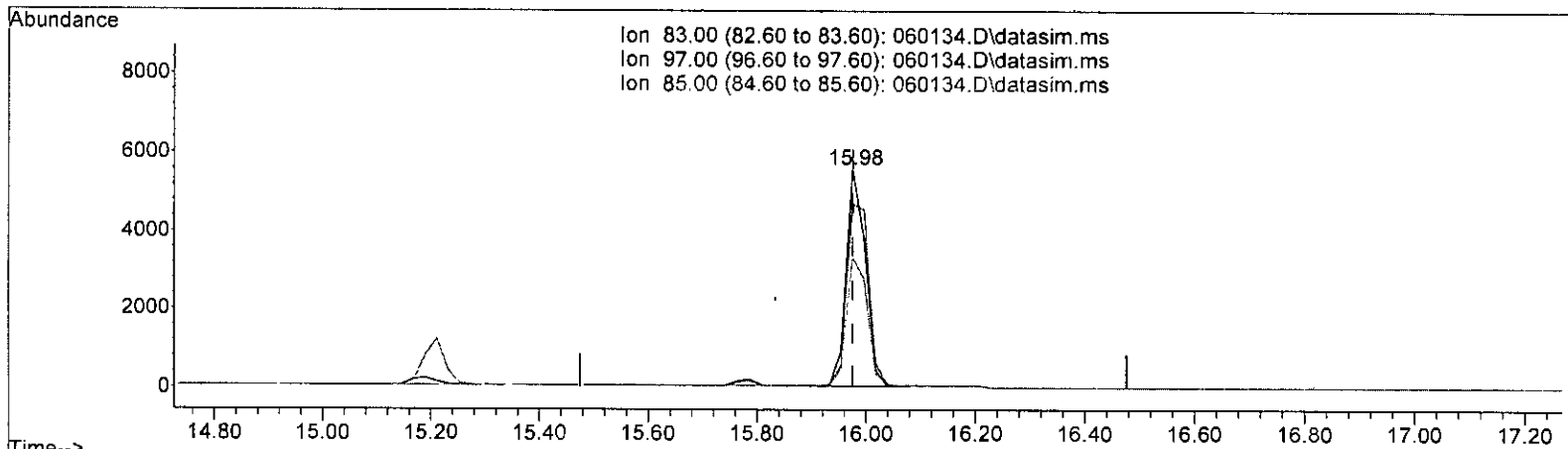
| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 84.25 |
| 85.00 | 60.50 | 60.00 |
| 0.00 | 0.00 | 0.00 |

66 DM

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

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

15.975min (-0.001) 2.577 ppbv m

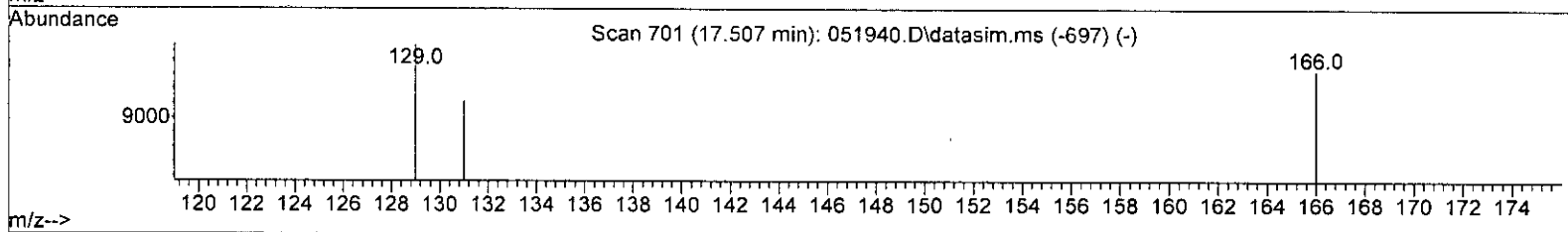
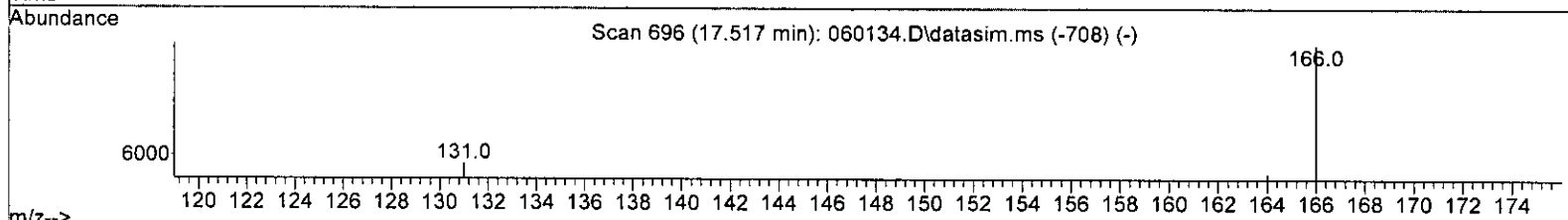
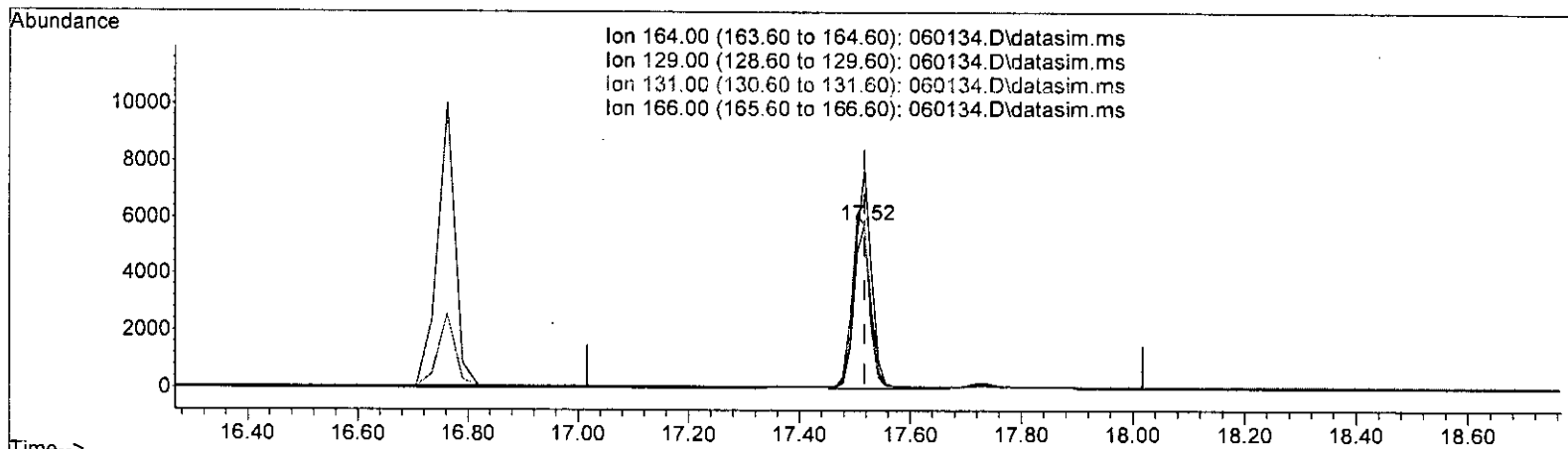
| response | 13570 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 84.25 |
| 85.00 | 60.50 60.00 |
| 0.00 | 0.00 0.00 |

6/6 Stan

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 2.807 ppbv

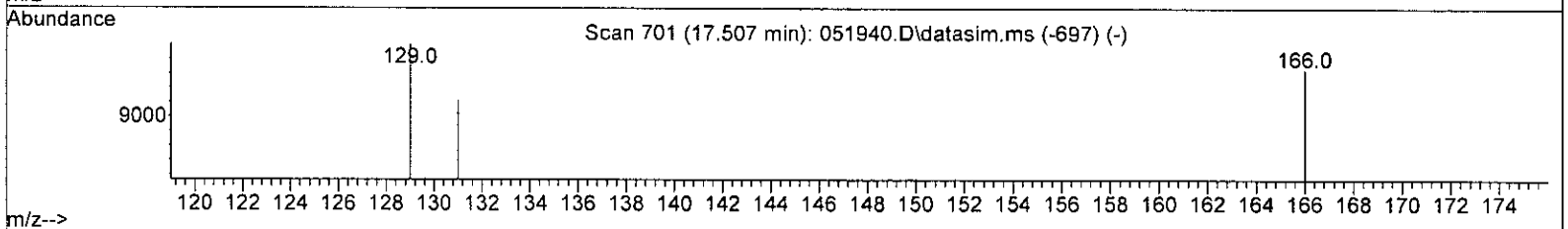
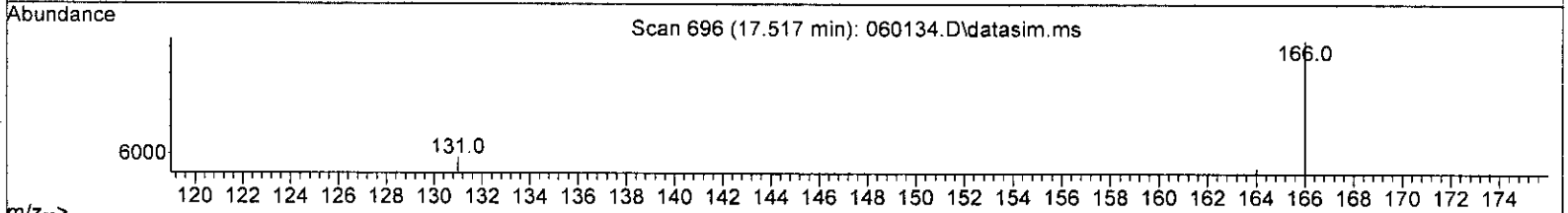
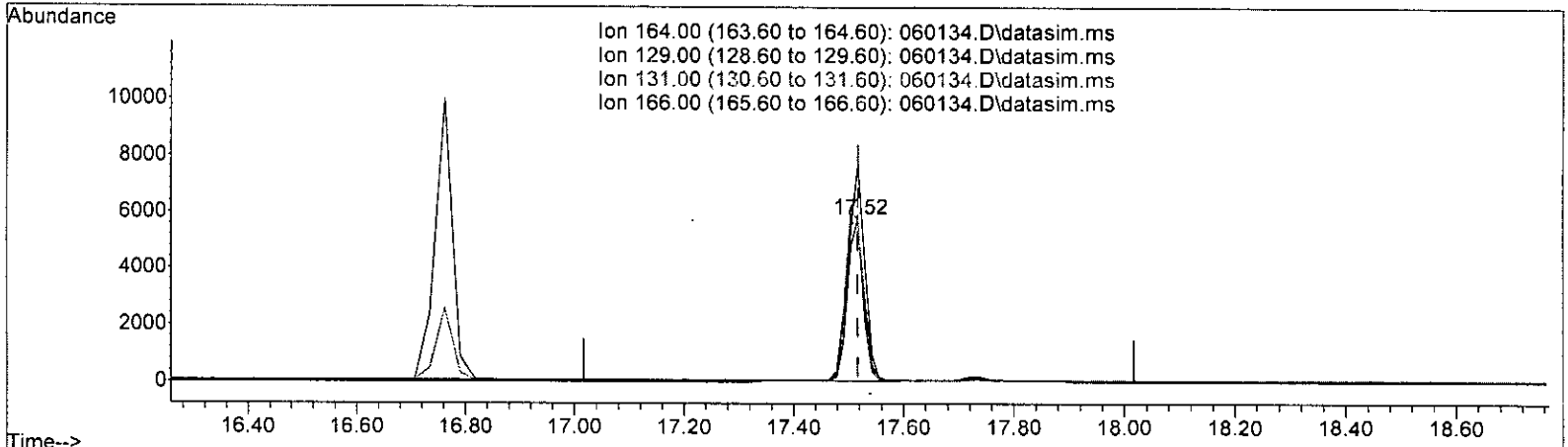
| response | 12525 |
|----------|---------------|
| Ion | Exp% Act% |
| 164.00 | 100.00 100.00 |
| 129.00 | 93.20 98.73 |
| 131.00 | 100.70 102.58 |
| 166.00 | 137.50 133.63 |

Handwritten signature: S/B Jm

Quantitation Report (Qedit)

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 060134.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 2.656 ppbv m

| response | 11850 |
|----------|---------------|
| Ion | Exp% Act% |
| 164.00 | 100.00 100.00 |
| 129.00 | 93.20 98.75 |
| 131.00 | 100.70 102.59 |
| 166.00 | 137.50 133.36 |

Handwritten signature: S/b SM

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 106 | 0.00 |
| 2 TMP Propene | 2.500 | 2.775 | -11.0 | 111 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 2.500 | 3.086 | -23.4 | 105 | 0.00 |
| 4 TMP Chloromethane | 2.500 | 2.540 | -1.6 | 96 | 0.04 |
| 5 TMP F-114 | 2.500 | 2.932 | -17.3 | 102 | 0.00 |
| 6 TMP Vinyl chloride | 2.500 | 2.790 | -11.6 | 103 | 0.04 |
| 7 TMP 1,3-Butadiene | 2.500 | 2.726 | -9.0 | 105 | 0.00 |
| 8 TMP Butane | 2.500 | 2.774 | -11.0 | 102 | 0.04 |
| 9 TMP Bromomethane | 2.500 | 2.980 | -19.2 | 104 | 0.00 |
| 10 TMP Chloroethane | 2.500 | 2.803 | -12.1 | 106 | 0.00 |
| 11 TMP Vinyl bromide | 2.500 | 2.773 | -10.9 | 103 | 0.00 |
| 12 TMP Ethanol | 2.500 | 2.932 | -17.3 | 100 | -0.04 |
| 13 TMP Acrolein | 2.500 | 2.737 | -9.5 | 115 | 0.00 |
| 14 TMP Pentane | 2.500 | 2.786 | -11.4 | 107 | 0.00 |
| 15 TMP Trichlorofluoromethane | 2.500 | 3.131 | -25.2 | 105 | 0.00 |
| 16 TMP Acetone | 2.500 | 2.659 | -6.4 | 100 | 0.00 |
| 17 TMP 2-Propanol | 2.500 | 2.750 | -10.0 | 99 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 2.500 | 2.716 | -8.6 | 103 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 2.500 | 2.748 | -9.9 | 103 | 0.00 |
| 20 TMP Methylene chloride | 2.500 | 2.767 | -10.7 | 103 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.500 | 2.663 | -6.5 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.500 | 2.710 | -8.4 | 102 | 0.00 |
| 23 TMP CFC-113 | 2.500 | 2.856 | -14.2 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 2.500 | 2.790 | -11.6 | 103 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 2.500 | 2.751 | -10.0 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 2.500 | 2.687 | -7.5 | 102 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 2.500 | 2.779 | -11.2 | 104 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 2.500 | 2.665 | -6.6 | 103 | 0.00 |
| 29 TMP Hexane | 2.500 | 2.820 | -12.8 | 103 | 0.00 |
| 30 TMP Chloroform | 2.500 | 2.662 | -6.5 | 102 | 0.00 |
| 31 TMP Ethyl acetate | 2.500 | 2.762 | -10.5 | 104 | 0.00 |
| 32 TMP Tetrahydrofuran | 2.500 | 2.680 | -7.2 | 101 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 2.500 | 2.564 | -2.6 | 98 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.500 | 2.656 | -6.2 | 102 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 2.500 | 2.788 | -11.5 | 103 | 0.00 |
| 36 TMP Carbon tetrachloride | 2.500 | 2.736 | -9.4 | 101 | 0.00 |
| 37 TMP Benzene | 2.500 | 2.662 | -6.5 | 106 | 0.00 |
| 38 TMP Cyclohexane | 2.500 | 2.705 | -8.2 | 98 | -0.02 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 105 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 2.500 | 2.714 | -8.6 | 105 | 0.00 |
| 41 TMP 1,4-Dioxane | 2.500 | 2.038 | 18.5 | 80 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 2.500 | 2.774 | -11.0 | 104 | 0.00 |
| 43 TMP Methyl methacrylate | 2.500 | 2.615 | -4.6 | 101 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 2.500 | 2.723 | -8.9 | 105 | 0.00 |
| 45 TMP Bromodichloromethane | 2.500 | 2.689 | -7.6 | 102 | 0.00 |
| 46 TMP Trichloroethene | 2.500 | 2.671 | -6.8 | 102 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 2.500 | 2.810 | -12.4 | 105 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 2.500 | 2.603 | -4.1 | 103 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 2.500 | 2.602 | -4.1 | 102 | 0.00 |
| 50 TMP Toluene | 2.500 | 2.640 | -5.6 | 109 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 2.500 | 2.577 | -3.1 | 102 | 0.00 |
| 52 TMP 2-Hexanone | 2.500 | 2.362 | 5.5 | 95 | 0.00 |
| 53 TMP Tetrachloroethene | 2.500 | 2.656 | -6.2 | 97 | 0.00 |
| 54 TMP Dibromochloromethane | 2.500 | 2.550 | -2.0 | 99 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.593 | -3.7 | 102 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 104 | 0.00 |
| 57 TMP Chlorobenzene | 2.500 | 2.769 | -10.8 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 2.500 | 2.594 | -3.8 | 102 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.553 | -2.1 | 98 | 0.00 |
| 60 TMP Nonane | 2.500 | 2.644 | -5.8 | 99 | 0.00 |
| 61 TMP Isopropylbenzene | 2.500 | 2.677 | -7.1 | 101 | 0.00 |
| 62 TMP 2-Chlorotoluene | 2.500 | 2.739 | -9.6 | 104 | 0.00 |
| 63 TMP Propylbenzene | 2.500 | 2.640 | -5.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 2.500 | 2.580 | -3.2 | 99 | 0.00 |
| 65 TMP m,p-Xylene | 5.000 | 4.985 | 0.3 | 102 | 0.00 |
| 66 TMP o-Xylene | 2.500 | 2.644 | -5.8 | 102 | 0.00 |
| 67 TMP Styrene | 2.500 | 2.726 | -9.0 | 102 | 0.00 |
| 68 TMP Bromoform | 2.500 | 2.244 | 10.2 | 88 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.278 | -2.8 | 106 | 0.00 |
| 70 TMP Benzyl chloride | 2.500 | 2.556 | -2.2 | 96 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 2.500 | 2.605 | -4.2 | 99 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 2.500 | 2.645 | -5.8 | 99 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 2.500 | 2.646 | -5.8 | 99 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 2.500 | 2.589 | -3.6 | 99 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 2.500 | 2.601 | -4.0 | 97 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 2.500 | 2.460 | 1.6 | 99 | 0.00 |
| 77 TMP Naphthalene | 2.500 | 2.252 | 9.9 | 96 | 0.00 |
| 78 TMP Hexachlorobutadiene | 2.500 | 2.549 | -2.0 | 96 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 2 TMP Propene | 1.293 | 1.436 | -11.1 | 111 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 5.318 | -23.4 | 105 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.673 | -1.6 | 96 | 0.04 |
| 5 TMP F-114 | 4.259 | 4.996 | -17.3 | 102 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 2.064 | -11.6 | 103 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.321 | -9.1 | 105 | 0.00 |
| 8 TMP Butane | 2.441 | 2.709 | -11.0 | 102 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.893 | -19.2 | 104 | 0.00 |
| 10 TMP Chloroethane | 0.685 | 0.768 | -12.1 | 106 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.835 | -10.9 | 103 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.747 | -17.3 | 100 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.727 | -9.5 | 115 | 0.00 |
| 14 TMP Pentane | 2.765 | 3.082 | -11.5 | 107 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 5.592 | -25.2 | 105 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.733 | -6.4 | 100 | 0.00 |
| 17 TMP 2-Propanol | 3.342 | 3.676 | -10.0 | 99 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.724 | -8.6 | 103 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.723 | -9.9 | 103 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.643 | -10.6 | 103 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 3.138 | -6.5 | 100 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.349 | -8.4 | 102 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 3.880 | -14.3 | 100 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 5.629 | -11.6 | 103 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.923 | -10.0 | 100 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.657 | -7.5 | 102 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 3.793 | -11.2 | 104 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.816 | -6.6 | 103 | 0.00 |
| 29 TMP Hexane | 2.070 | 2.334 | -12.8 | 103 | 0.00 |
| 30 TMP Chloroform | 4.005 | 4.265 | -6.5 | 102 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 4.346 | -10.5 | 104 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.980 | -7.2 | 101 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.622 | -2.6 | 98 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 2.727 | -6.3 | 102 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 3.878 | -11.5 | 103 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 3.870 | -9.4 | 101 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.820 | -6.5 | 106 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.466 | -8.2 | 98 | -0.02 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.653 | -8.7 | 105 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.216 | 18.5 | 80 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 2.006 | -11.0 | 104 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.578 | -4.7 | 101 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.679 | -9.0 | 105 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.047 | -7.5 | 102 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.657 | -6.8 | 102 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.775 | -12.5 | 105 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.049 | -4.3 | 103 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.723 | -4.0 | 102 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.837 | -5.7 | 109 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.591 | -3.1 | 102 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.899 | 5.6 | 95 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.516 | -6.2 | 97 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 0.963 | -2.0 | 99 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 0.968 | -3.8 | 102 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.185 | -10.7 | 100 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.803 | -3.7 | 102 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.564 | -2.2 | 98 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.794 | -5.9 | 99 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.603 | -7.1 | 101 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.440 | -9.7 | 104 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.189 | -5.6 | 100 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.515 | -3.2 | 99 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.619 | 0.2 | 102 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.557 | -5.7 | 102 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.836 | -9.0 | 102 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.844 | 10.2 | 88 | 0.00 |
| 69 5 4-Bromofluorobenzene | 0.709 | 0.729 | -2.8 | 106 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.383 | -2.2 | 96 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.381 | -4.2 | 99 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.239 | -5.8 | 99 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.114 | -5.8 | 99 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.023 | -3.5 | 99 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.058 | -4.0 | 97 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.785 | 1.6 | 99 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 1.153 | 6.2 | 96 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.124 | -1.9 | 96 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 21758 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 91830 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 80605 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 58722 | 10.278 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 102.80% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 7809 | 2.775 | ppbv | 94 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 28925 | 3.086 | ppbv | 96 |
| 4] Chloromethane | 3.73 | 50 | 9100 | 2.540 | ppbv | 76 |
| 5) F-114 | 3.88 | 85 | 27176 | 2.932 | ppbv | 98 |
| 6] Vinyl chloride | 4.05 | 62 | 11225 | 2.790 | ppbv | 95 |
| 7] 1,3-Butadiene | 4.21 | 54 | 7184 | 2.726 | ppbv # | 87 |
| 8) Butane | 4.32 | 43 | 14733 | 2.774 | ppbv | 92 |
| 9) Bromomethane | 4.56 | 94 | 10298 | 2.980 | ppbv | 89 |
| 10] Chloroethane | 4.80 | 64 | 4180m | 2.803 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 9984m | 2.773 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 4061 | 2.932 | ppbv | 82 |
| 13] Acrolein | 5.38 | 56 | 3956m | 2.737 | ppbv | |
| 14) Pentane | 6.25 | 43 | 16766 | 2.786 | ppbv | 99 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 30418 | 3.131 | ppbv | 98 |
| 16) Acetone | 5.55 | 58 | 3989 | 2.659 | ppbv # | 69 |
| 17) 2-Propanol | 5.78 | 45 | 19998 | 2.750 | ppbv | 99 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 9375 | 2.716 | ppbv | 94 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 9374 | 2.748 | ppbv # | 77 |
| 20) Methylene chloride | 6.78 | 84 | 8938 | 2.767 | ppbv | 98 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 17069 | 2.663 | ppbv # | 80 |
| 22) 3-Chloropropene | 6.94 | 41 | 12778 | 2.710 | ppbv | 100 |
| 23) CFC-113 | 7.15 | 101 | 21104 | 2.856 | ppbv | 99 |
| 24) Carbon disulfide | 7.25 | 76 | 30618 | 2.790 | ppbv | 96 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 21337 | 2.751 | ppbv | 100 |
| 26) Vinyl acetate | 8.51 | 43 | 25334 | 2.687 | ppbv | 99 |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 20630 | 2.779 | ppbv | 97 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 9879 | 2.665 | ppbv | 88 |
| 29) Hexane | 9.99 | 57 | 12697 | 2.820 | ppbv | 85 |
| 30] Chloroform | 10.07 | 83 | 23197 | 2.662 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 23639 | 2.762 | ppbv # | 97 |
| 32) Tetrahydrofuran | 10.72 | 42 | 10769 | 2.680 | ppbv | 95 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 3382 | 2.564 | ppbv # | 81 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 14831m | 2.656 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 21095 | 2.788 | ppbv | 98 |
| 36] Carbon tetrachloride | 12.83 | 117 | 21049 | 2.736 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 31656 | 2.662 | ppbv | 97 |
| 38) Cyclohexane | 13.04 | 84 | 7975 | 2.705 | ppbv | 93 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 14992 | 2.714 | ppbv | 99 |

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T01S SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

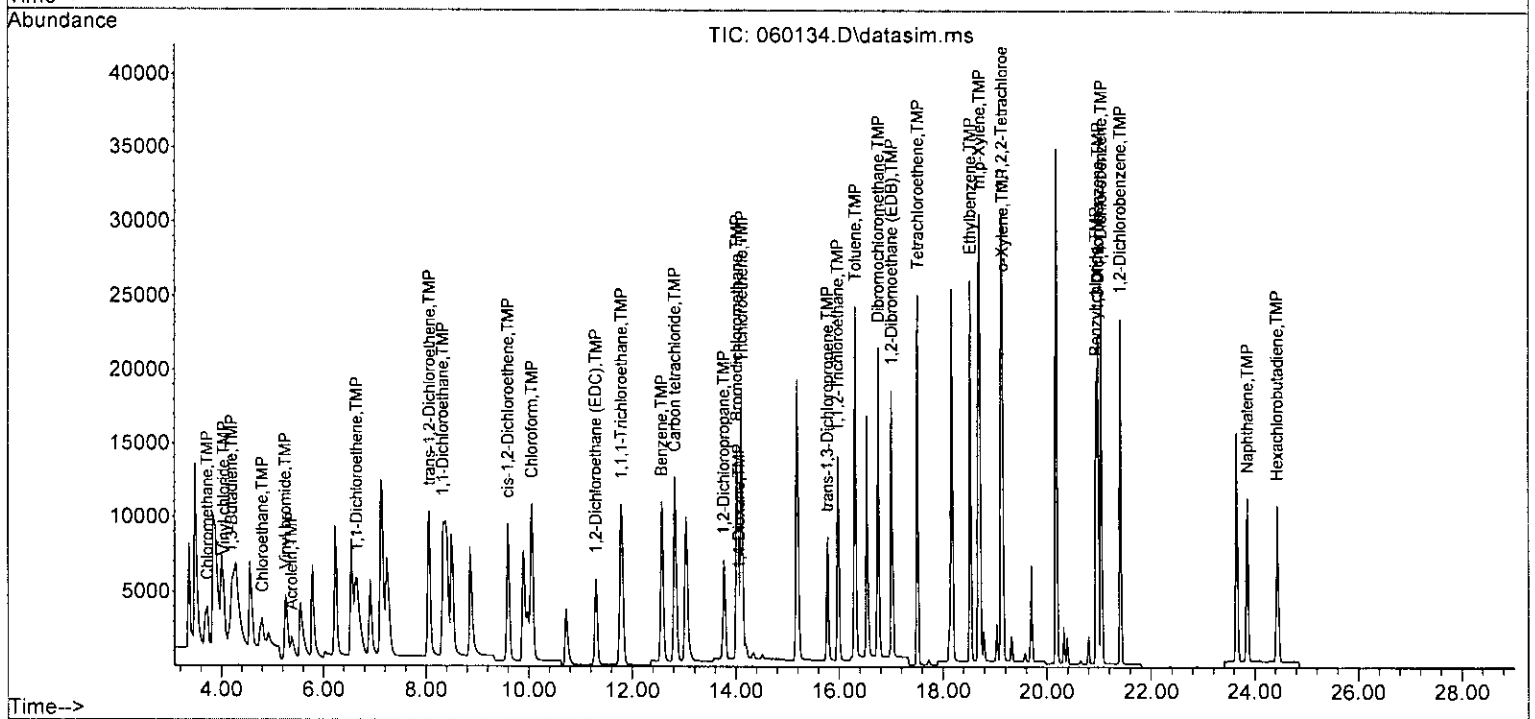
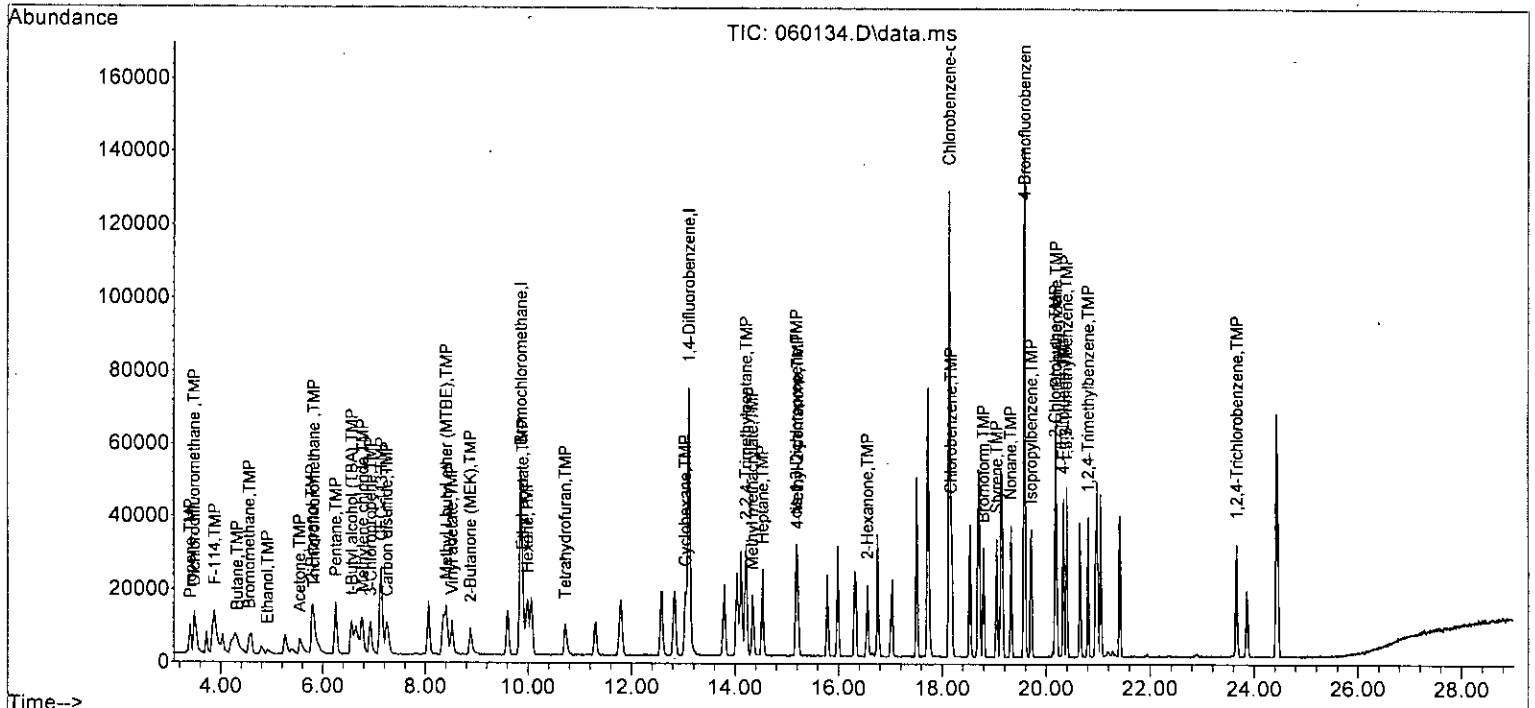
Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 4955 | 2.038 | ppbv | 92 |
| 42] 2,2,4-Trimethylpentane | 14.21 | 57 | 46055 | 2.774 | ppbv | 96 |
| 43] Methyl methacrylate | 14.33 | 41 | 13260 | 2.615 | ppbv | 97 |
| 44] Heptane | 14.53 | 43 | 15589 | 2.723 | ppbv | 98 |
| 45] Bromodichloromethane | 14.02 | 83 | 24039 | 2.689 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 15076 | 2.671 | ppbv | 100 |
| 47] cis-1,3-Dichloropropene | 15.18 | 75 | 17787 | 2.810 | ppbv | 98 |
| 48] 4-Methyl-2-pentanone | 15.20 | 100 | 1120 | 2.603 | ppbv # | 88 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 16593 | 2.602 | ppbv | 89 |
| 50] Toluene | 16.31 | 92 | 19205 | 2.640 | ppbv | 87 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 13570m | 2.577 | ppbv | |
| 52] 2-Hexanone | 16.56 | 43 | 20648 | 2.362 | ppbv | 92 |
| 53] Tetrachloroethene | 17.52 | 164 | 11850m | 2.656 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 22107 | 2.550 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 22214 | 2.593 | ppbv | 84 |
| 57] Chlorobenzene | 18.17 | 112 | 23881 | 2.769 | ppbv | 95 |
| 58] Ethylbenzene | 18.53 | 91 | 36333 | 2.594 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 31510 | 2.553 | ppbv | 91 |
| 60] Nonane | 19.32 | 43 | 15996 | 2.644 | ppbv | 99 |
| 61] Isopropylbenzene | 19.72 | 105 | 32298 | 2.677 | ppbv | 99 |
| 62] 2-Chlorotoluene | 20.17 | 126 | 8861 | 2.739 | ppbv | 77 |
| 63] Propylbenzene | 20.19 | 91 | 64258 | 2.640 | ppbv | 97 |
| 64] 4-Ethyltoluene | 20.33 | 105 | 30533 | 2.580 | ppbv | 99 |
| 65] m,p-Xylene | 18.70 | 106 | 24930 | 4.985 | ppbv | 97 |
| 66] o-Xylene | 19.15 | 106 | 11223 | 2.644 | ppbv | 97 |
| 67] Styrene | 19.05 | 104 | 16847 | 2.726 | ppbv | 99 |
| 68] Bromoform | 18.80 | 173 | 17009 | 2.244 | ppbv | 100 |
| 70] Benzyl chloride | 20.95 | 91 | 27875 | 2.556 | ppbv | 93 |
| 71] 1,3,5-Trimethylbenzene | 20.39 | 105 | 27830 | 2.605 | ppbv | 98 |
| 72] 1,2,4-Trimethylbenzene | 20.81 | 105 | 24962 | 2.645 | ppbv | 100 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 22454 | 2.646 | ppbv | 88 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 20607 | 2.589 | ppbv | 94 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 21328 | 2.601 | ppbv | 97 |
| 76] 1,2,4-Trichlorobenzene | 23.67 | 180 | 15822 | 2.460 | ppbv | 97 |
| 77] Naphthalene | 23.86 | 128 | 23234 | 2.252 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 22655 | 2.549 | ppbv | 99 |

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

Data Path : I:\Proc_GCMS7\06-01-23\
 Data File : 060134.D
 Acq On : 2 Jun 2023 10:03 am
 Operator : bat
 Sample : 2.5 ppbv T015 SCV 69-41 -a
 Misc : T6
 ALS Vial : 34 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 06 14:22:28 2023
 Quant Method : I:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

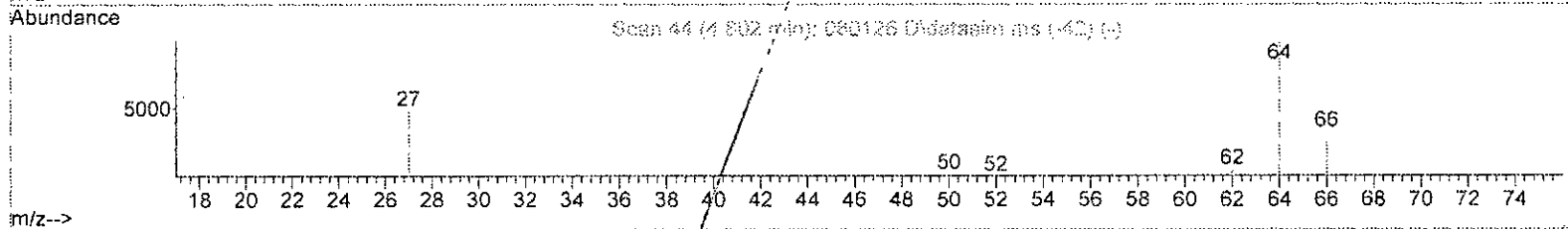
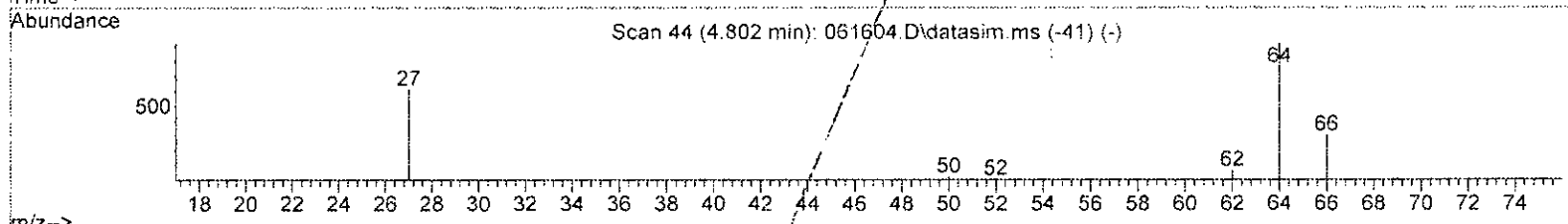
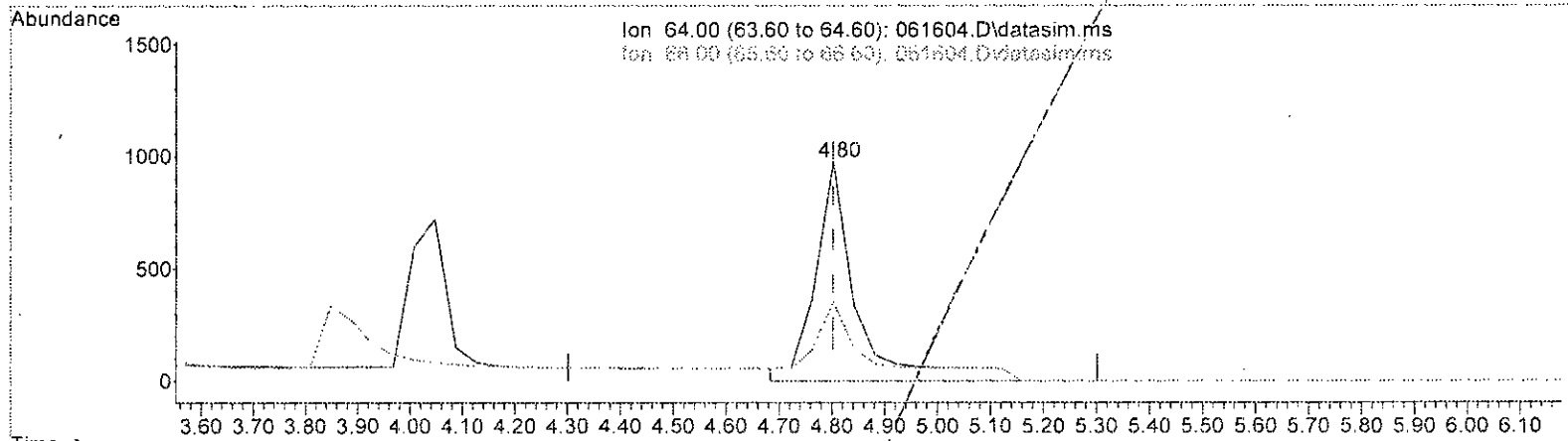


**EPA TO-15
CCV Summaries**

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 3.911 ppbv

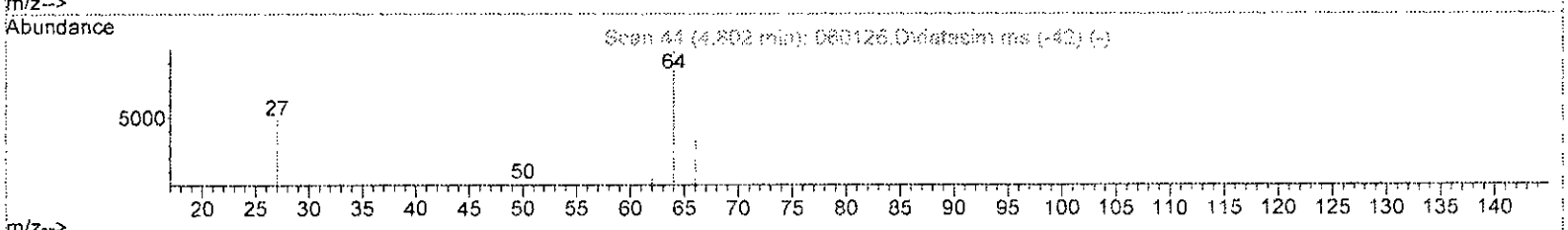
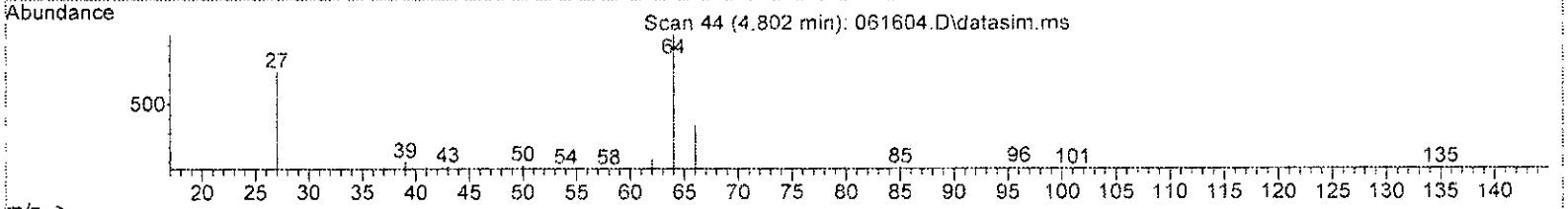
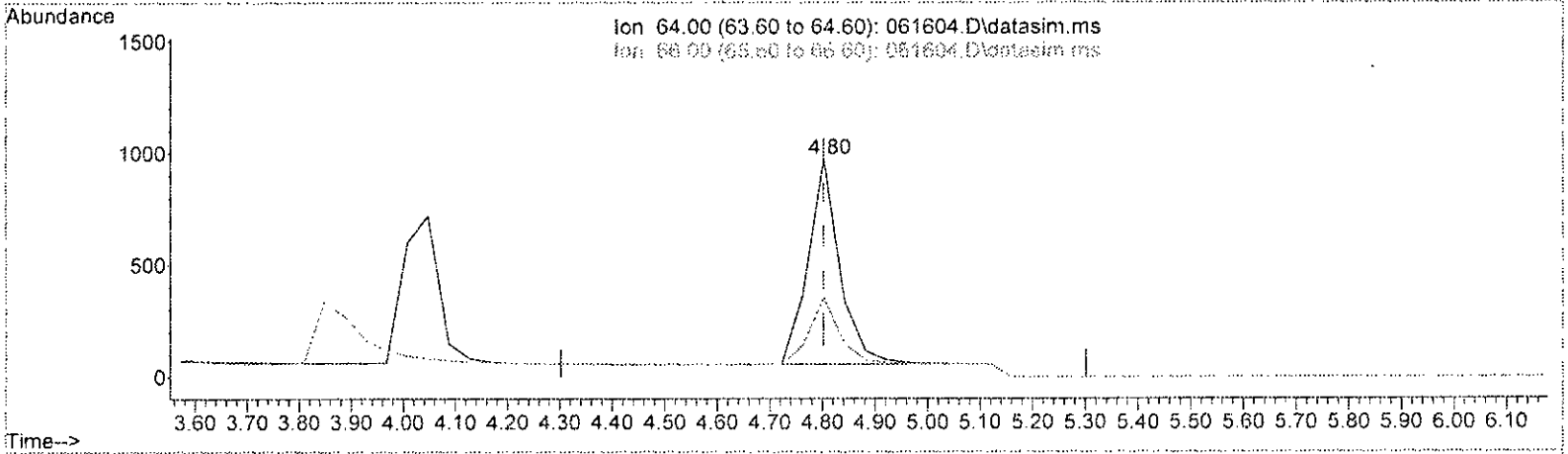
| response | 5089 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

*h
6/19/23*

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

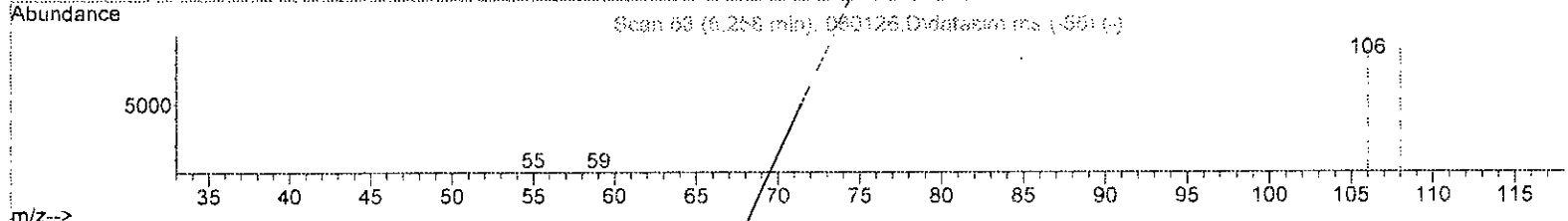
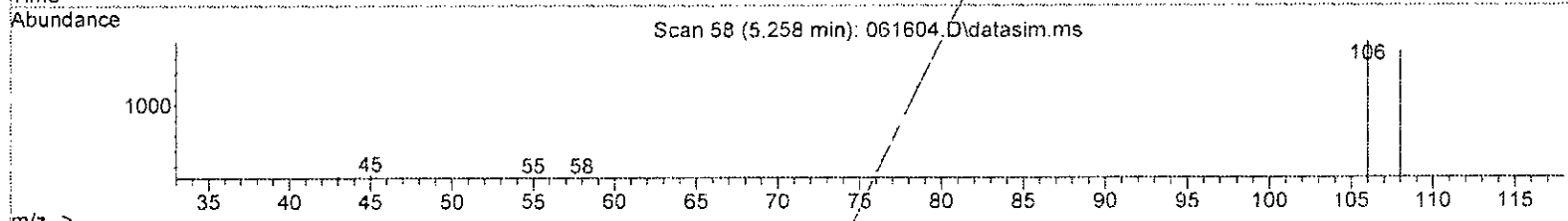
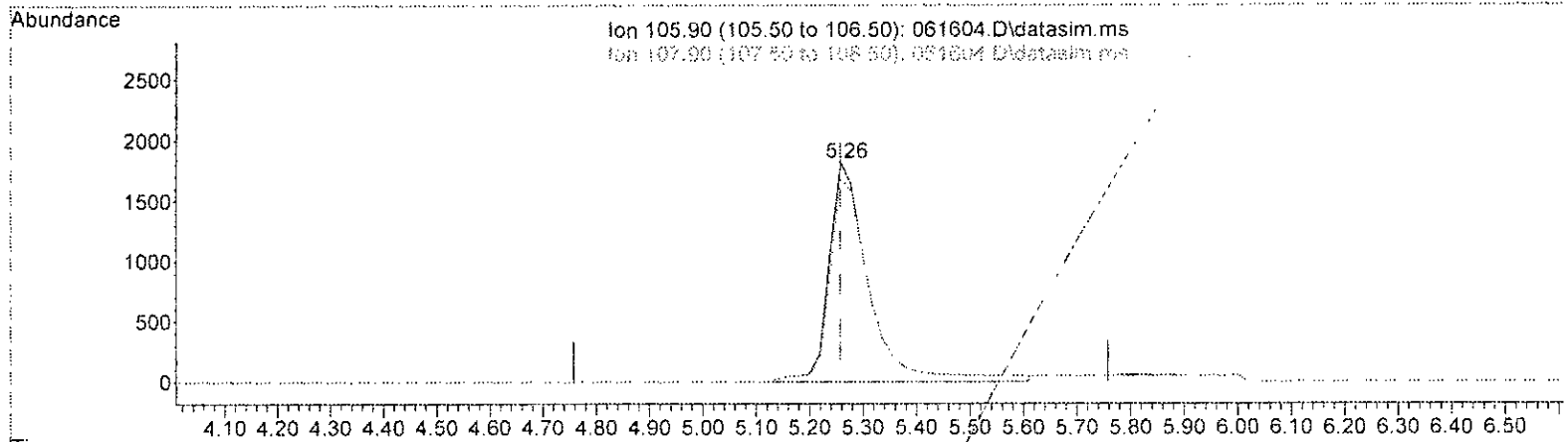
| (10) Chloroethane (TMP) | | | |
|-------------------------|--------|--------------|--|
| 4.802min (+ 0.000) | | 2.919 ppbv m | |
| response | 3798 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 36.24 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

bat

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 3.263 ppbv

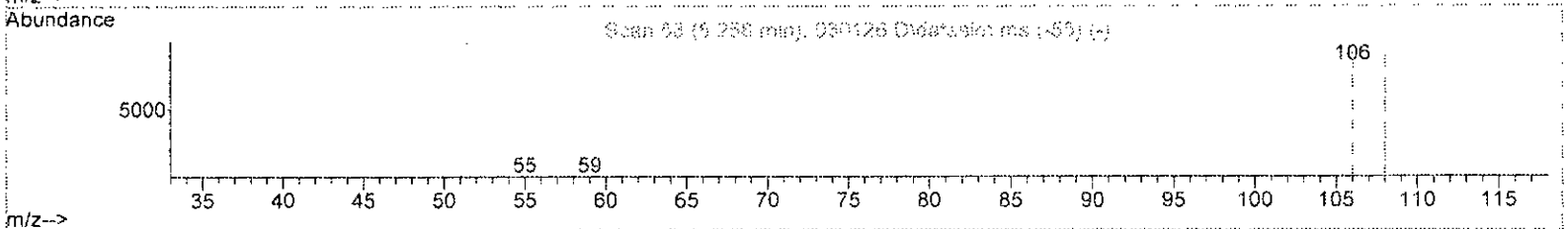
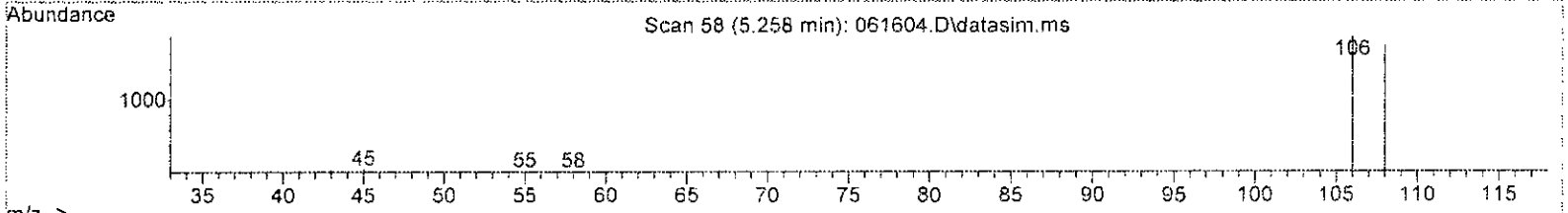
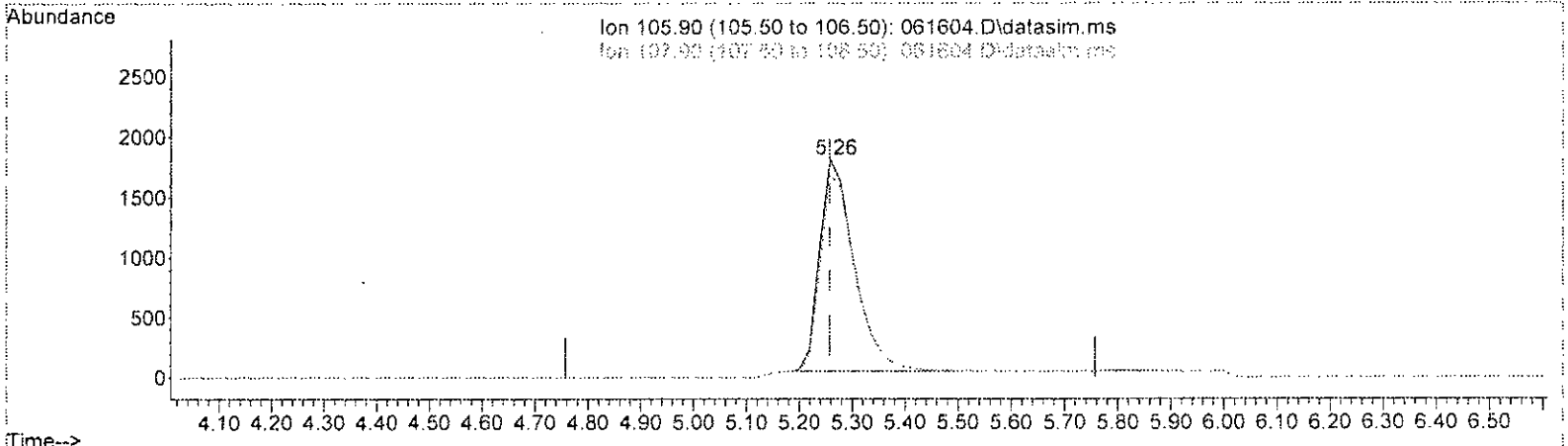
| response | 10249 |
|----------|---------------|
| Ion | Exp% Act% |
| 105.90 | 100.00 100.00 |
| 107.90 | 94.10 94.92 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(11) Vinyl bromide (TMP)
 5.258min (-0.000) 2.541 ppbv m

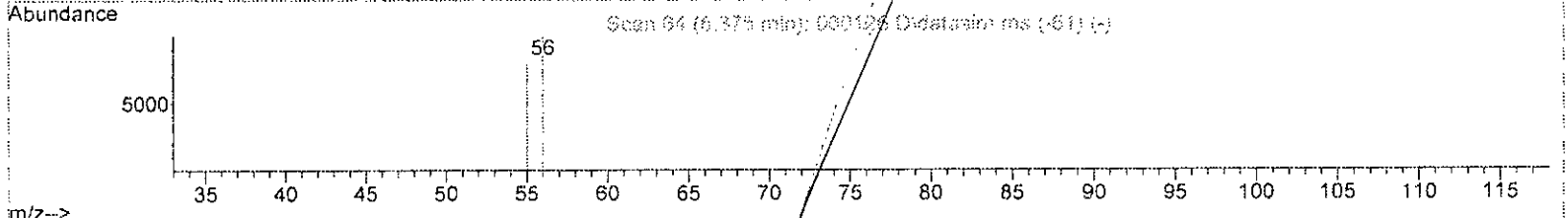
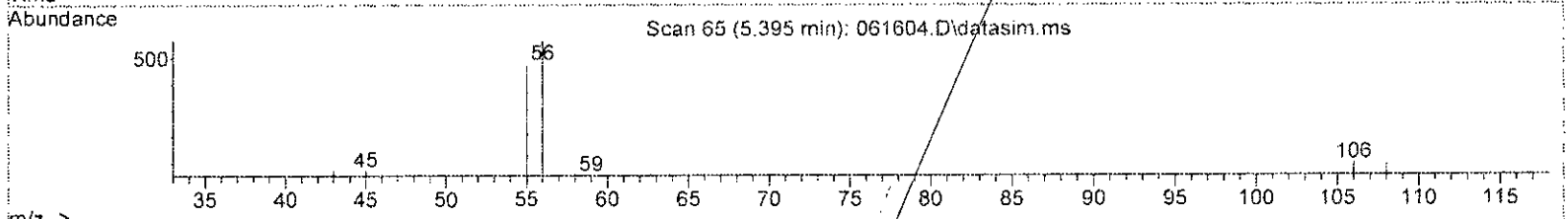
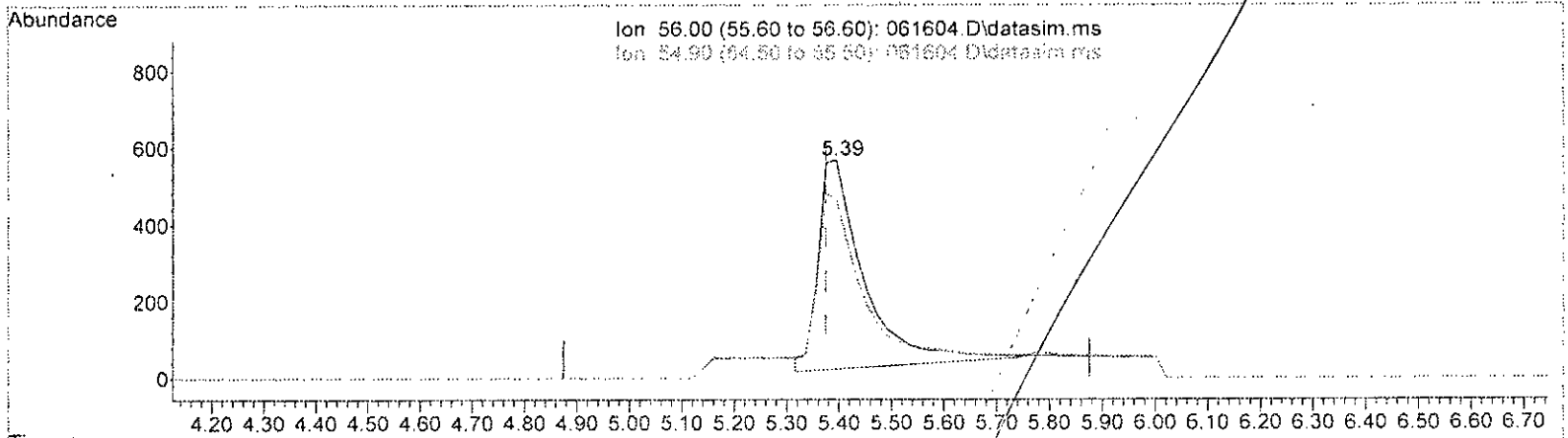
| response | 7981 | |
|----------|--------|---------|
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 121.89# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

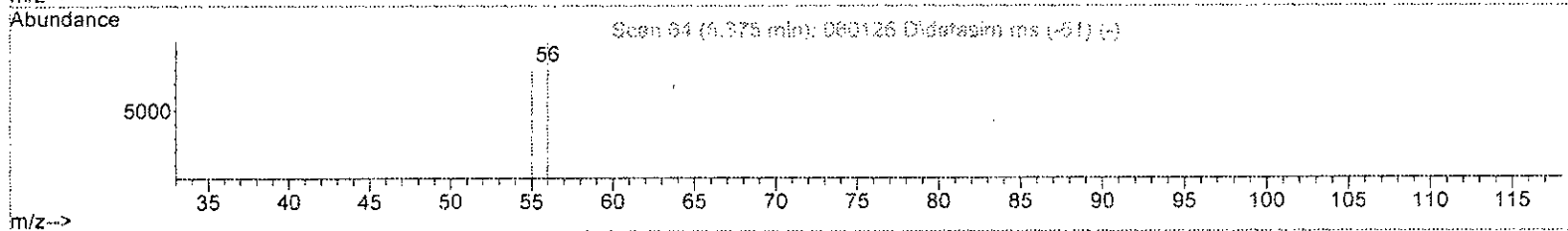
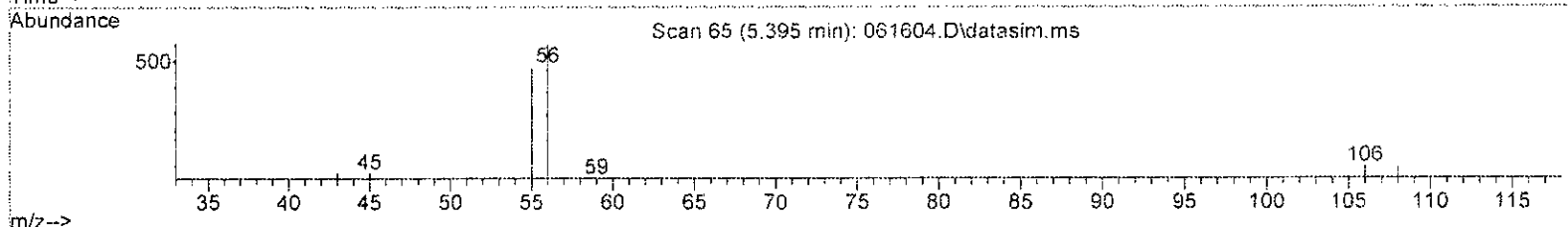
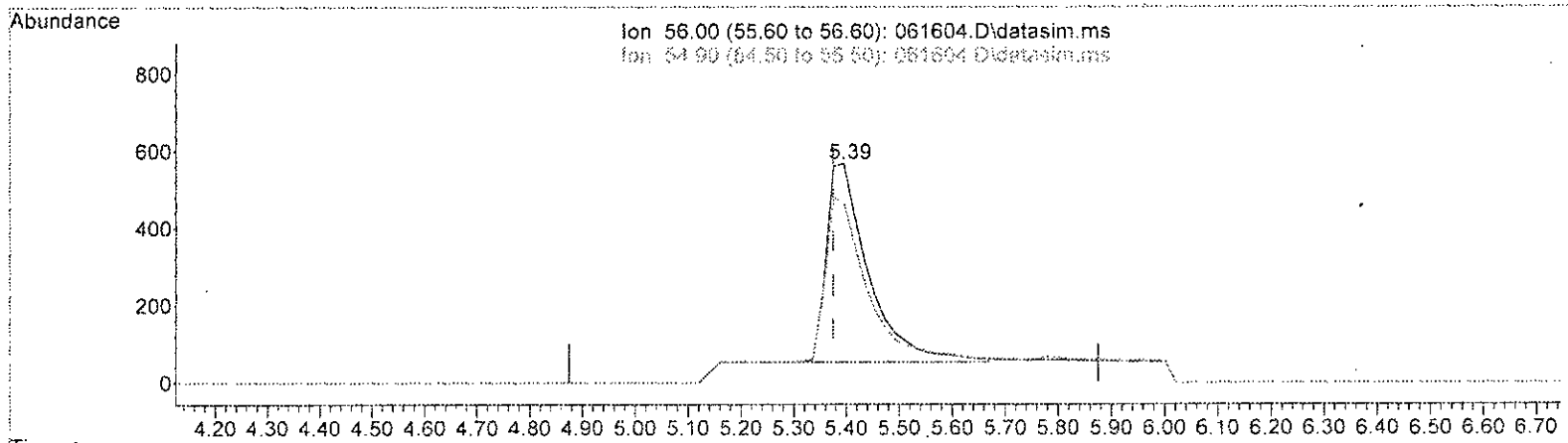
| (13) Acrolein (TMP) | | |
|---------------------|--------|--------|
| 5.395min (+ 0.020) | 2.627 | ppbv |
| response | 3313 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 71.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

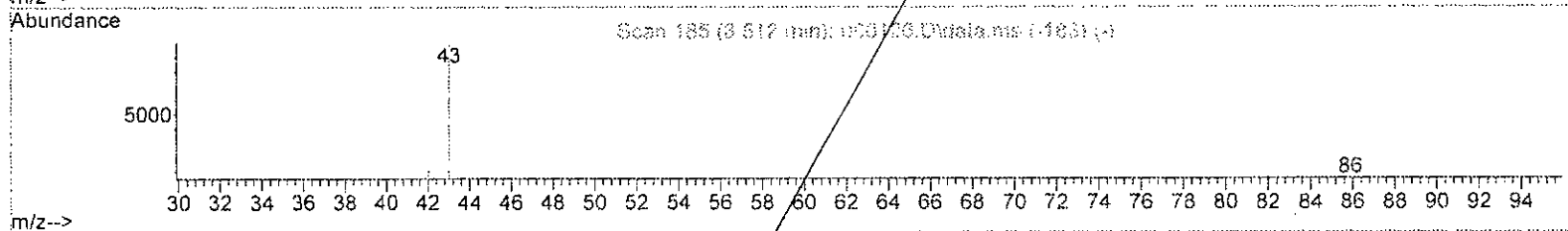
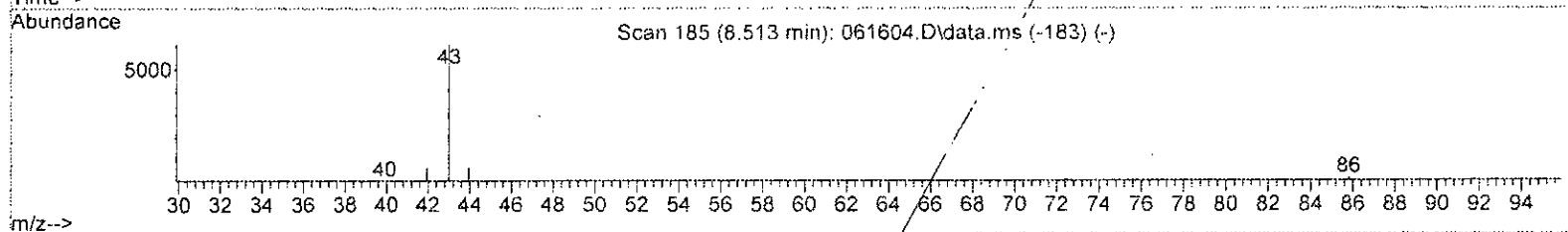
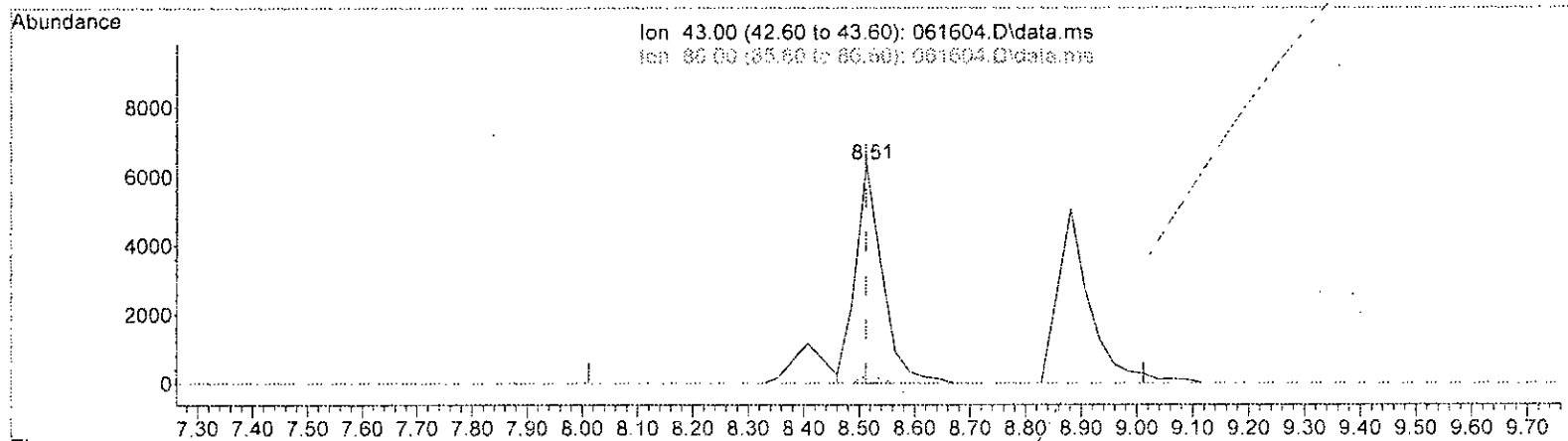
| (13) Acrolein (TMP) | | |
|---------------------|--------------|--------|
| 5.395min (+ 0.020) | 2.239 ppbv m | |
| response | 2824 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 83.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

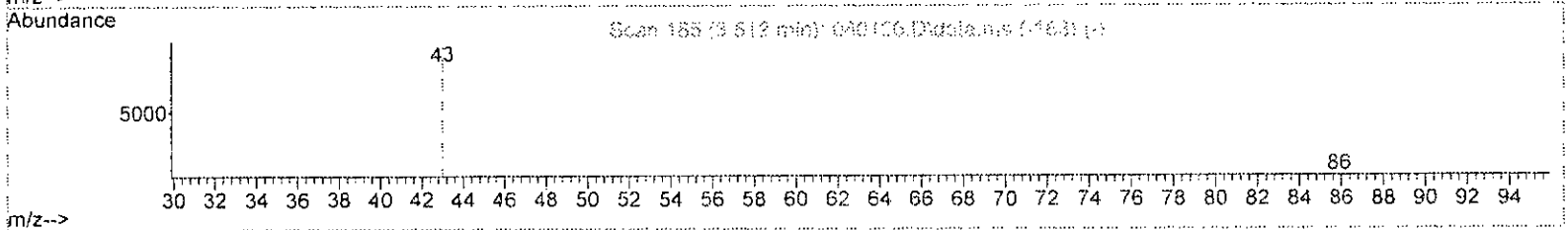
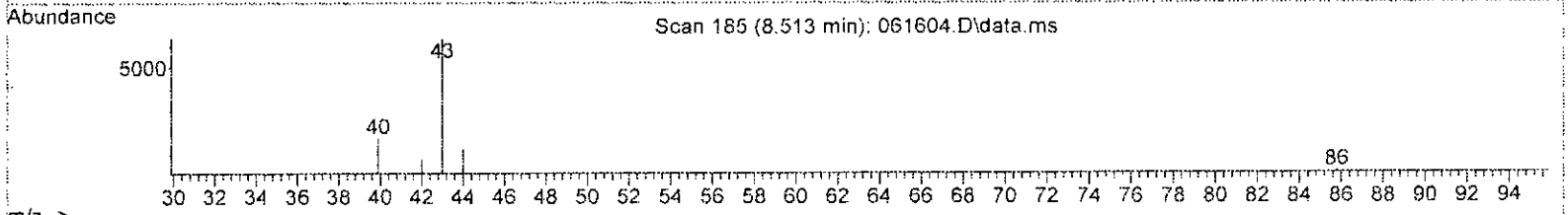
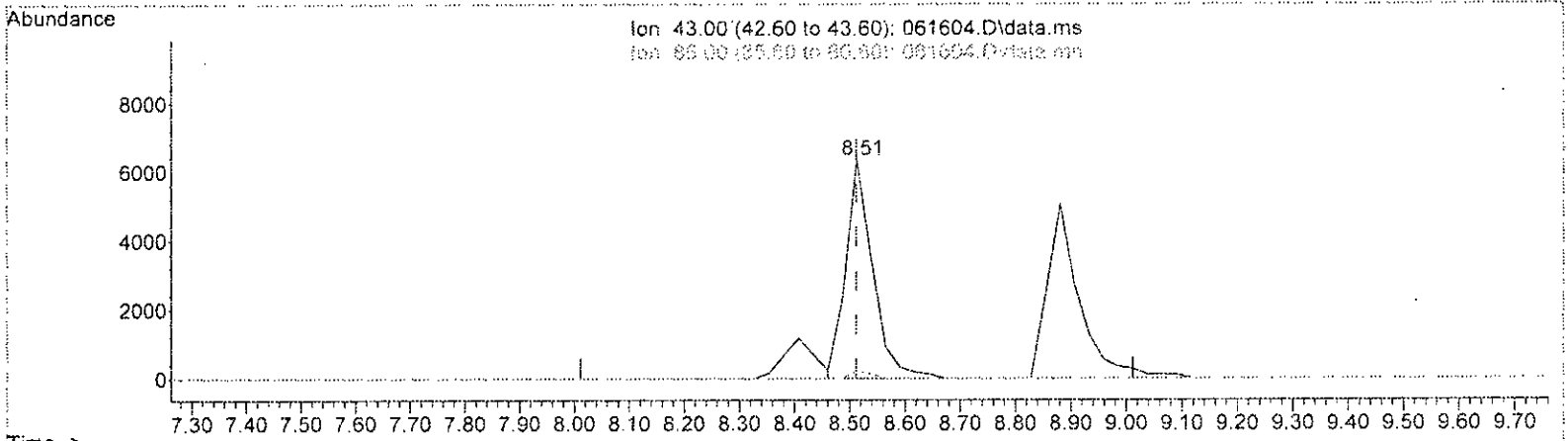
| (26) Vinyl acetate (TMP) | | |
|--------------------------|----------|---------------|
| retention | response | concentration |
| 8.513min (+ 0.001) | 21430 | 2.605 ppbv |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

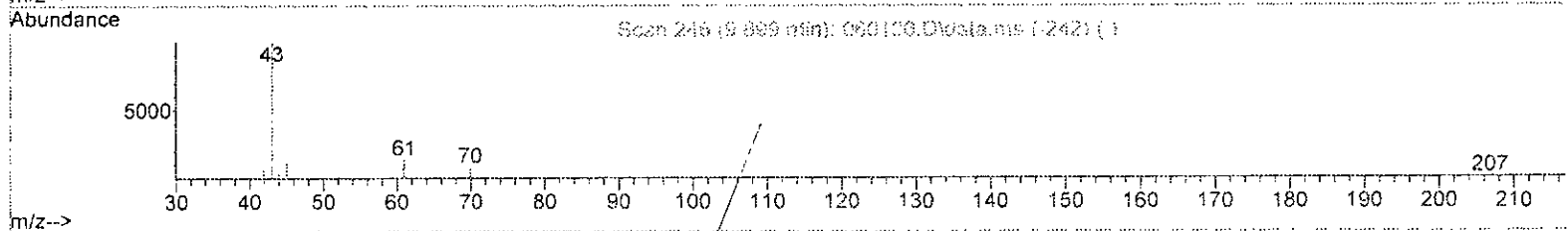
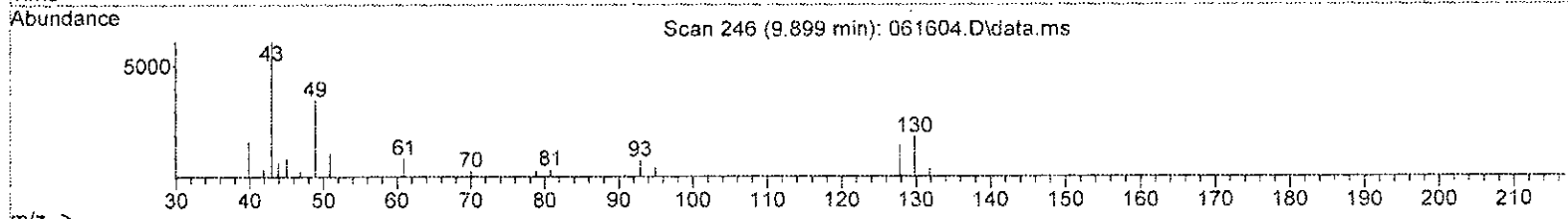
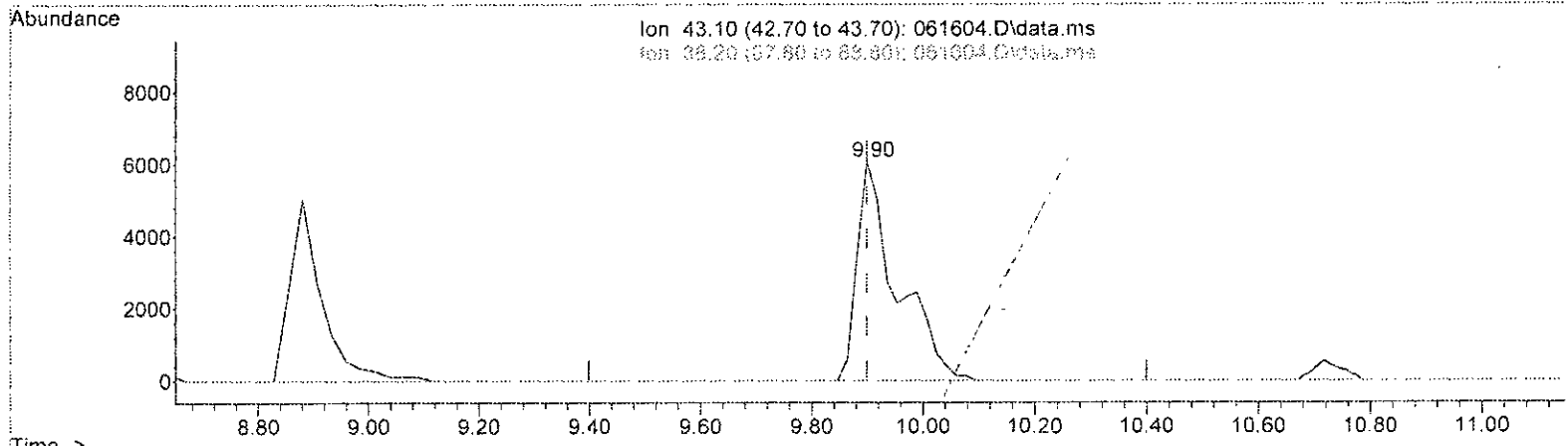
| (26) Vinyl acetate (TMP) | | |
|--------------------------|--------------|--------|
| 8.513min (+ 0.001) | 2.605 ppbv m | |
| response | 21430 | * |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat
6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

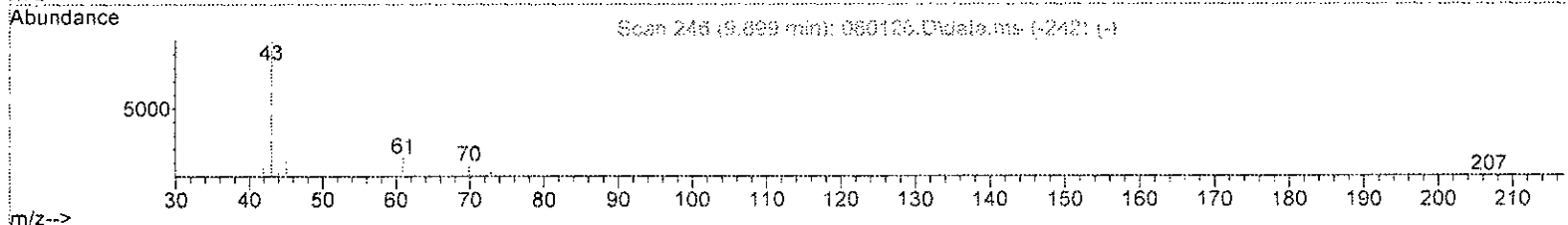
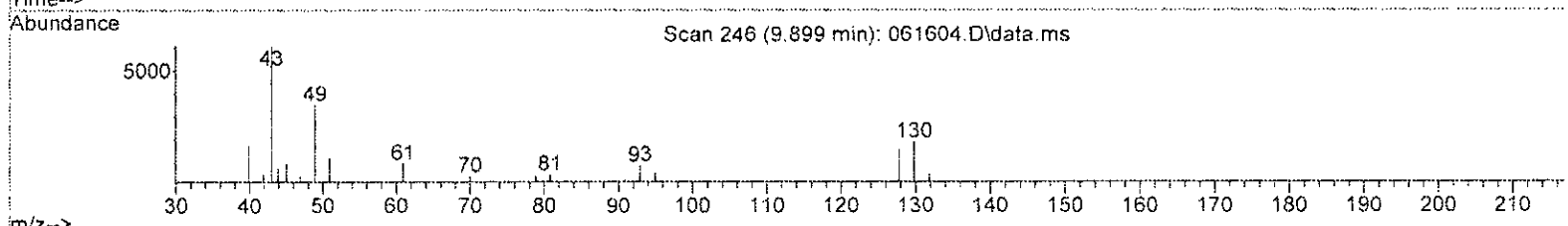
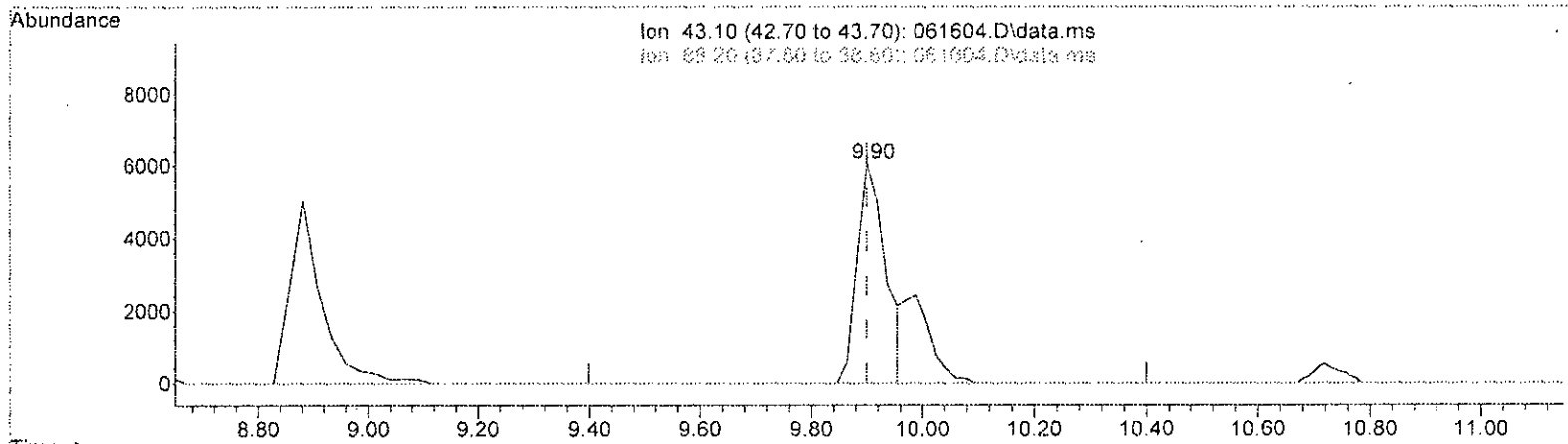
| | | |
|--------------------|---------------------|--------|
| (31) | Ethyl acetate (TMP) | |
| 9.899min (+ 0.000) | 4.016 ppbv | |
| response | 29991 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

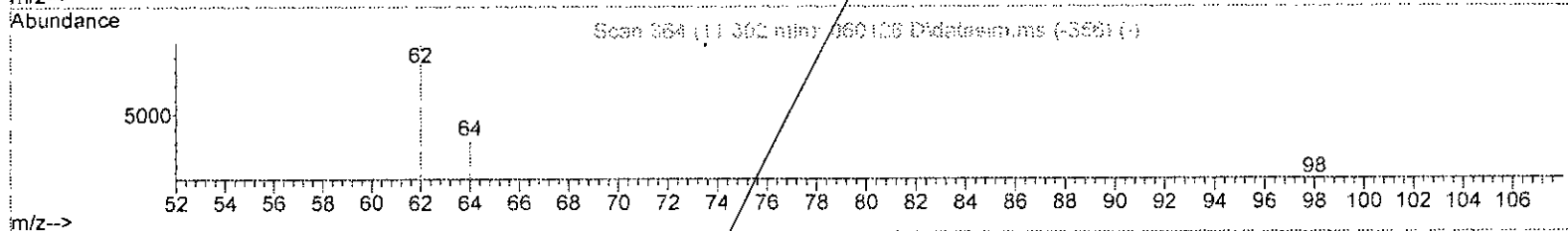
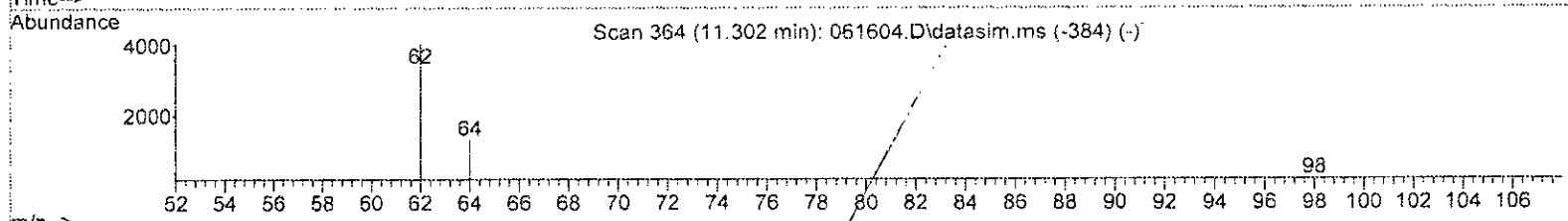
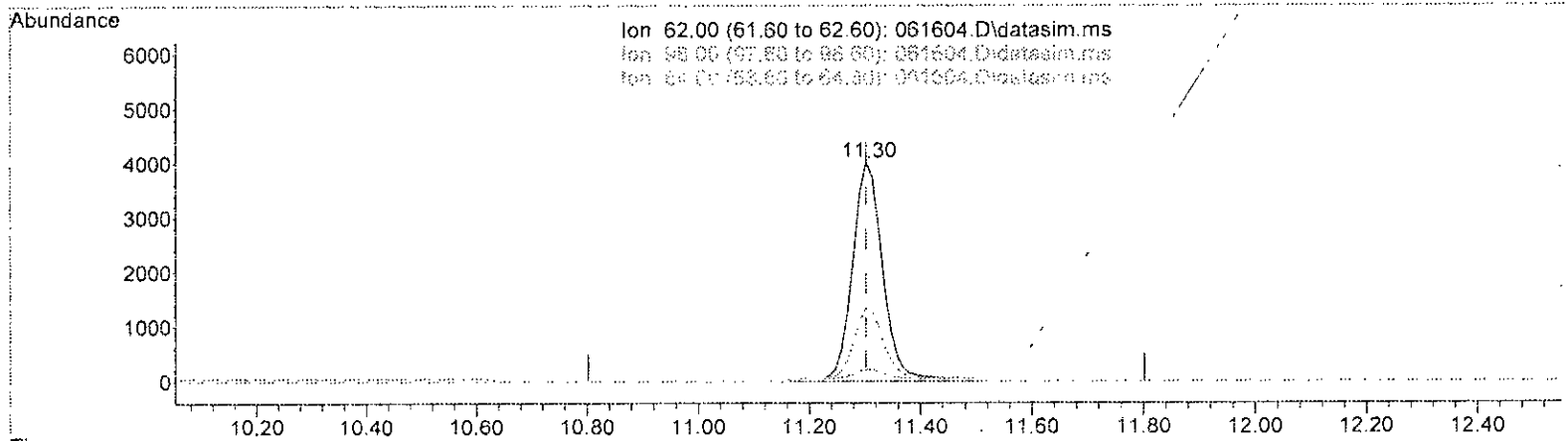
| (31) Ethyl acetate (TMP) | | |
|--------------------------|--------------|--------|
| 9.899min (+ 0.000) | 2.883 ppbv m | |
| response | 21528 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 3.129 ppbv

response 15243

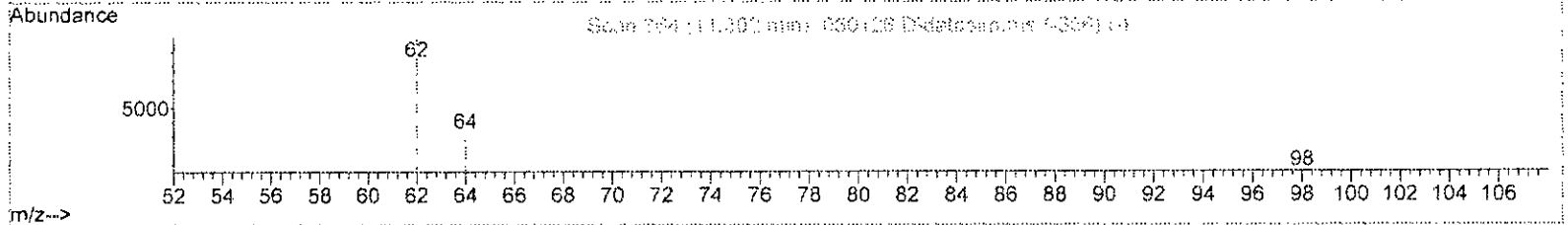
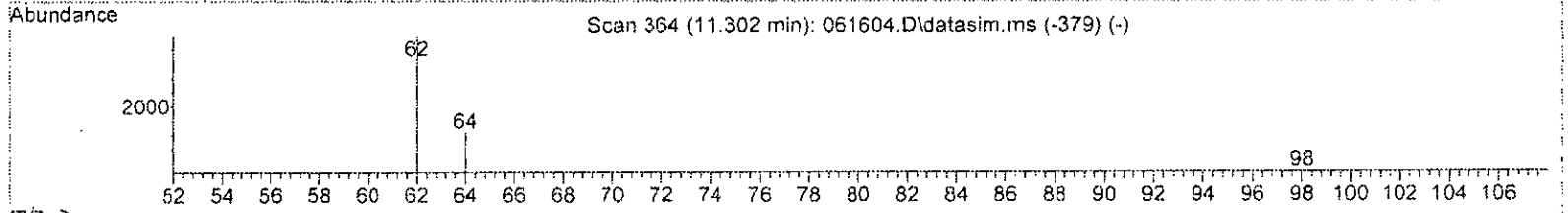
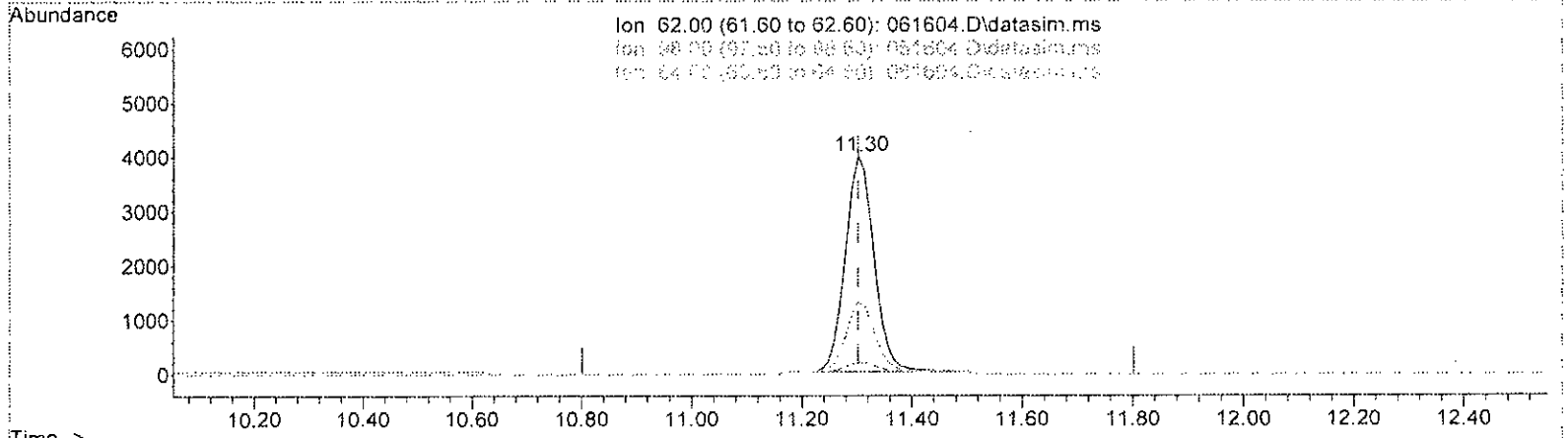
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.41 |
| 64.00 | 33.00 | 32.88 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.953 ppbv m

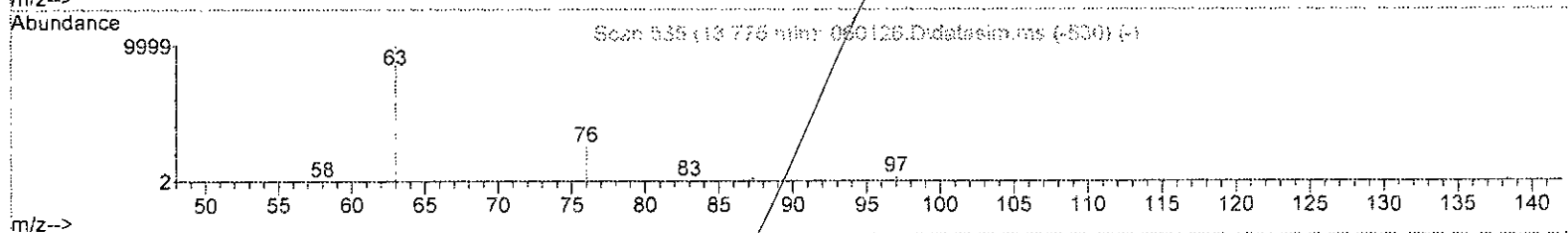
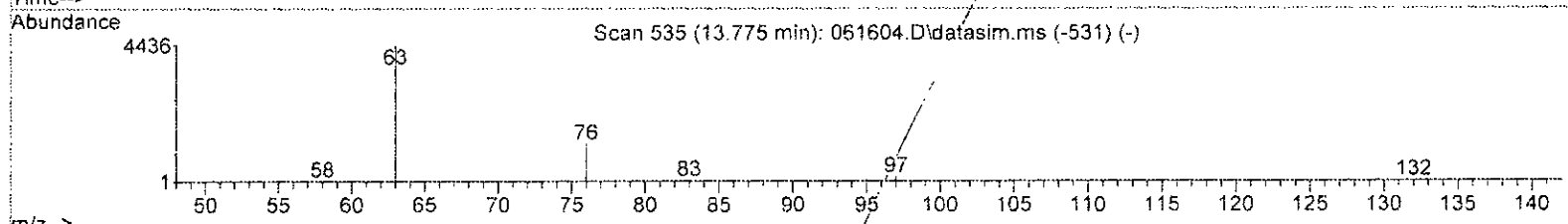
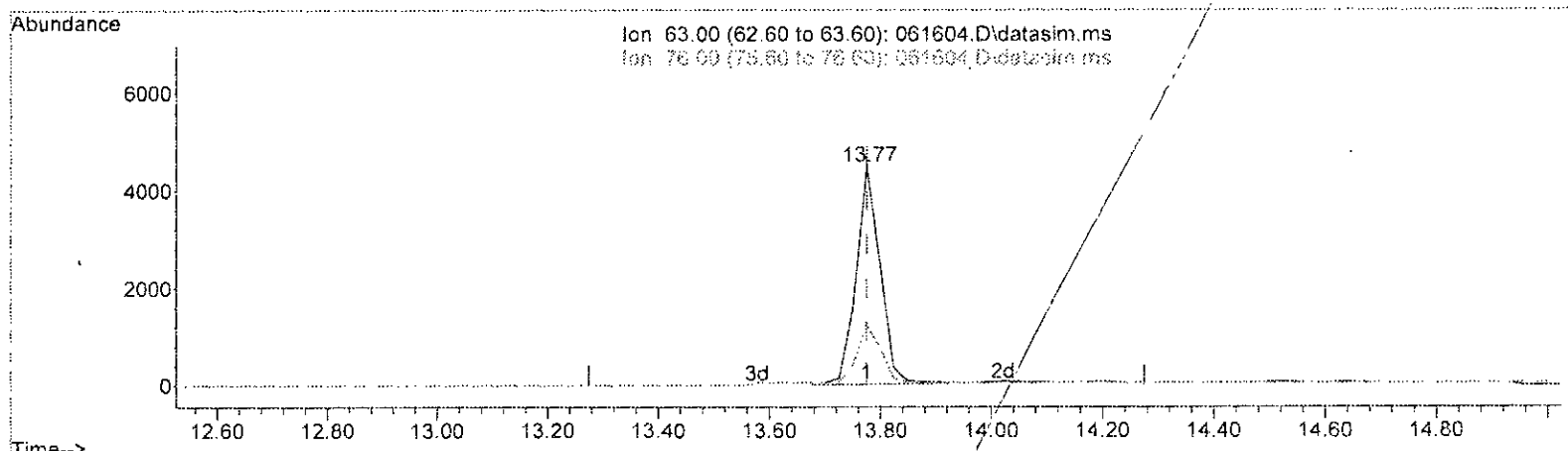
| response | 14385 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.41 |
| 64.00 | 33.00 | 32.88 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 3.153 ppbv

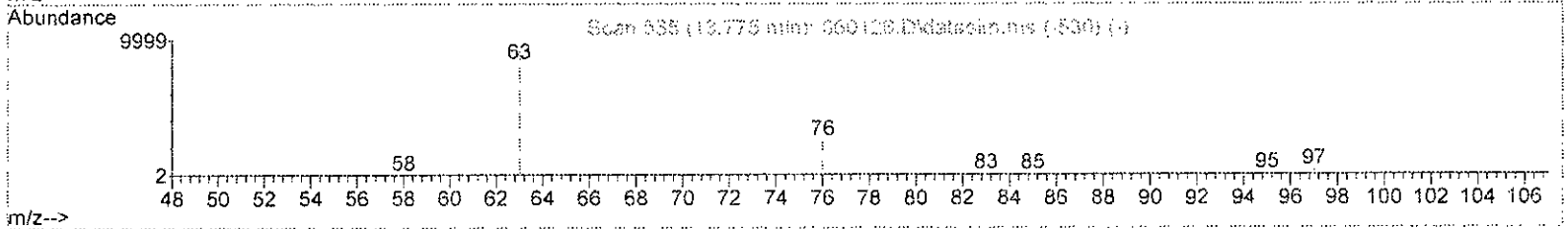
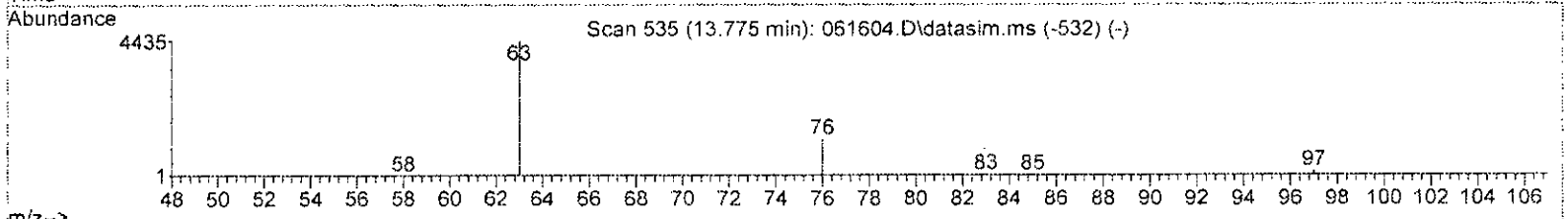
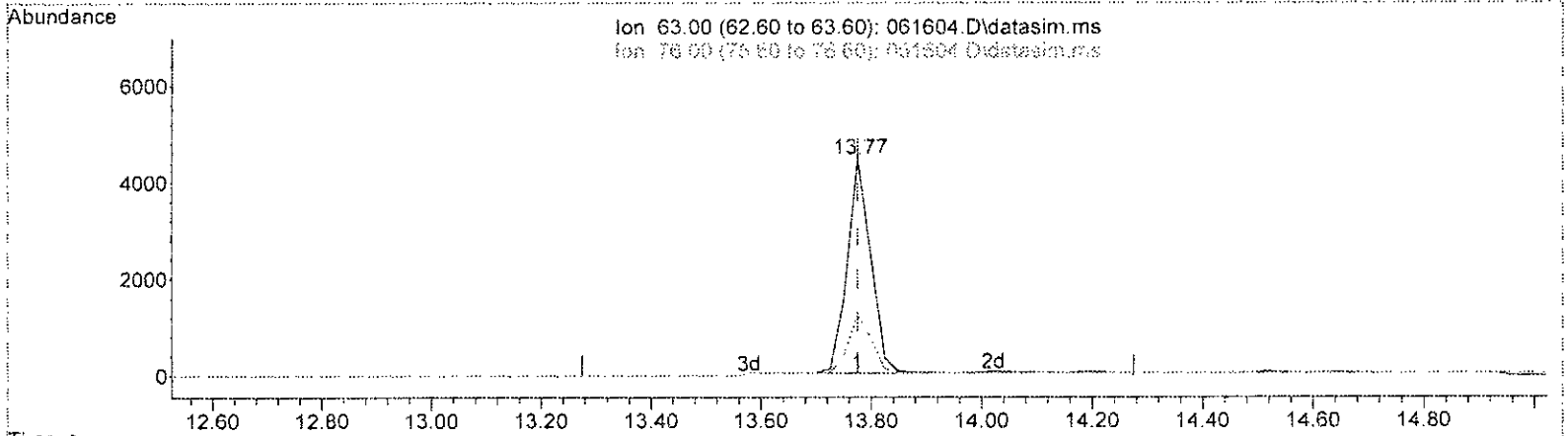
| response | 13455 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 27.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 3.058 ppbv m

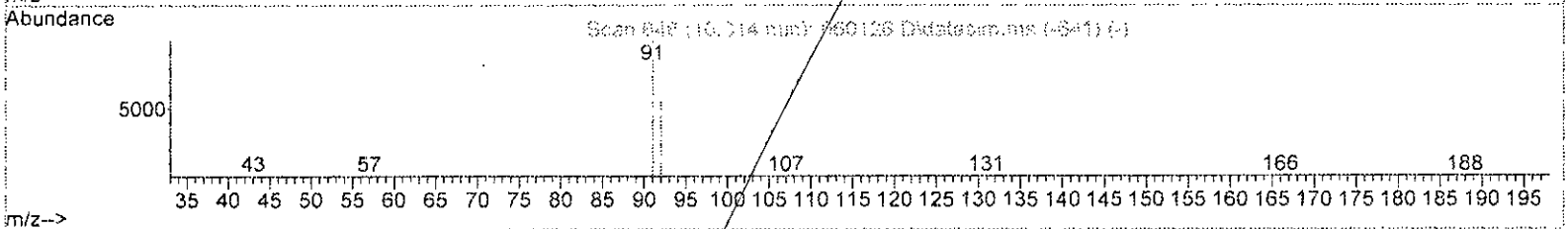
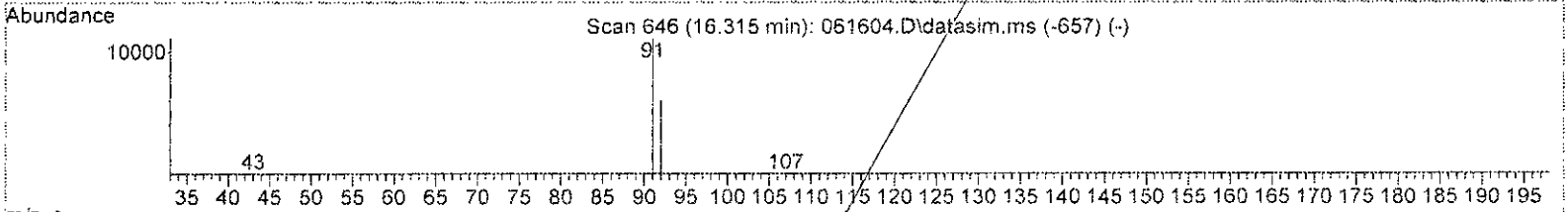
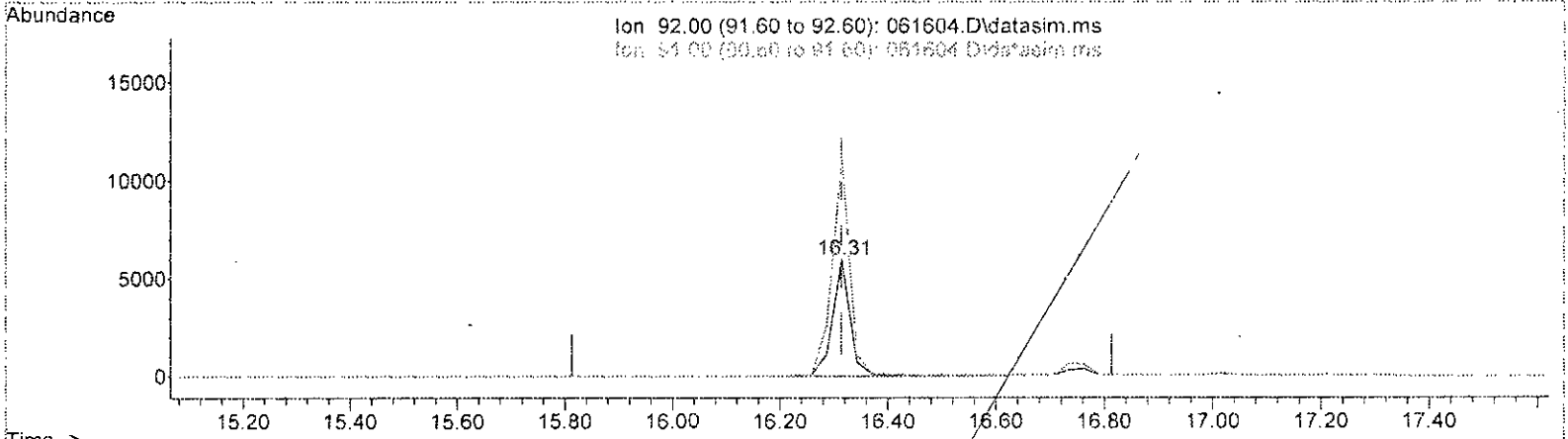
| response | 13050 |
|----------|---------------|
| Ion | Exp% Act% |
| 63.00 | 100.00 100.00 |
| 76.00 | 25.70 27.84 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

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Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

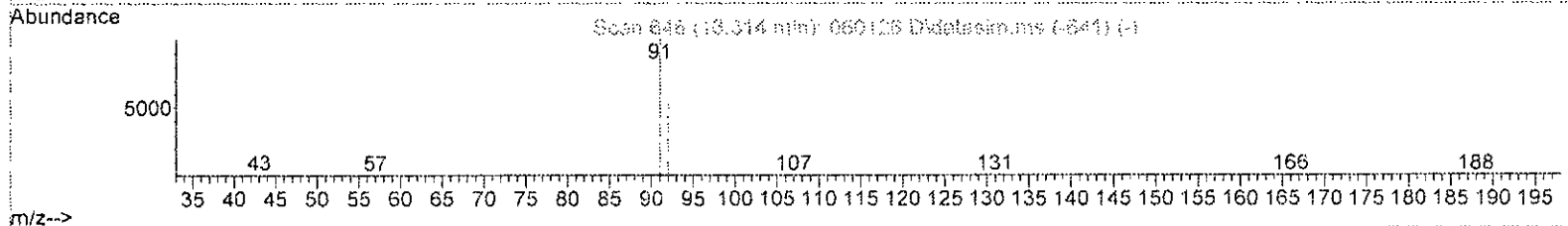
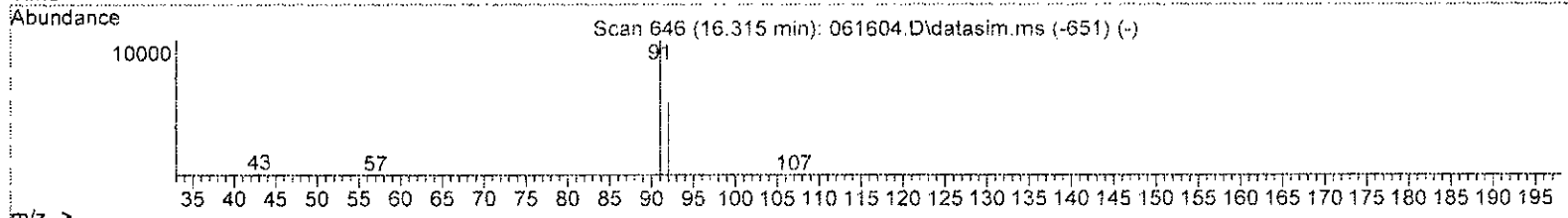
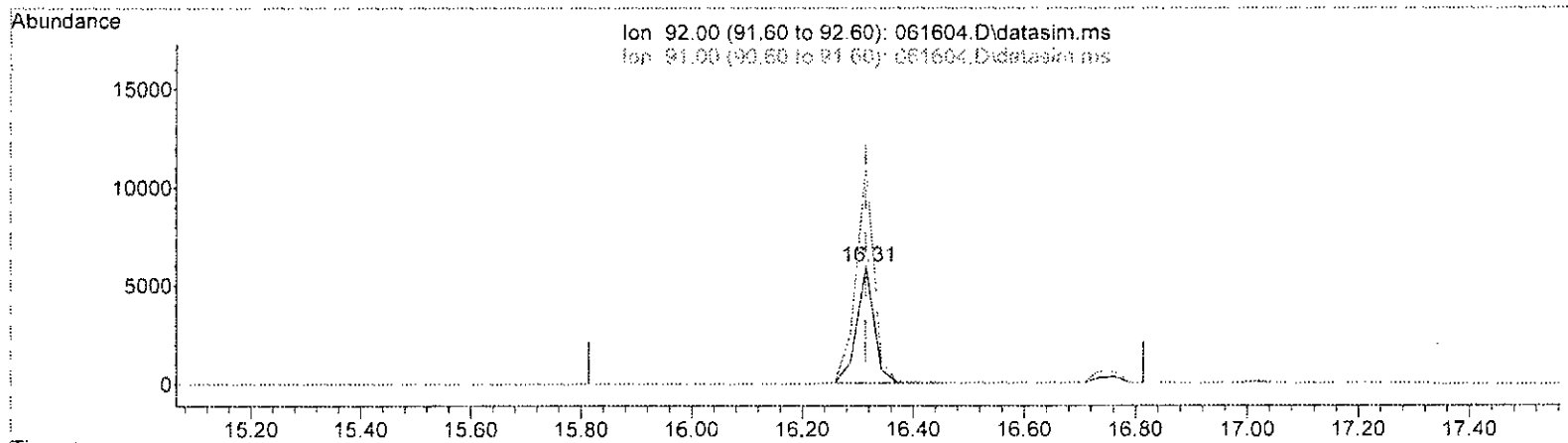
| (50) Toluene (TMP) | | |
|---------------------|------------|--------|
| 16.315min (+ 0.001) | 2.476 ppbv | |
| response | 13917 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 186.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

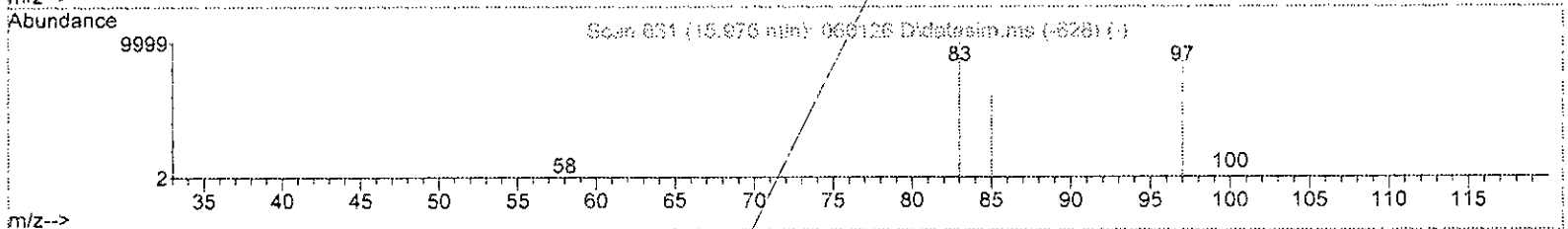
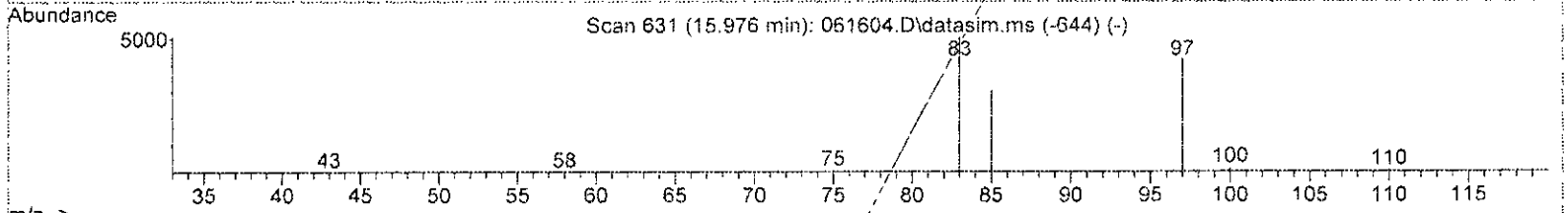
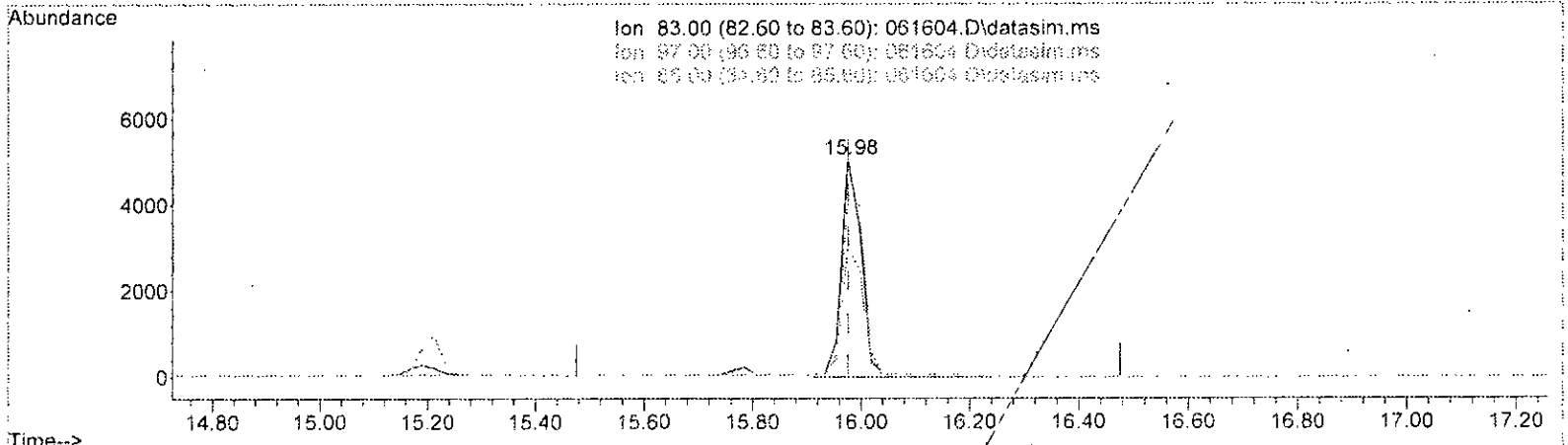
| (50) Toluene (TMP) | | |
|---------------------|--------------|--------|
| 16.315min (+ 0.001) | 2.315 ppbv m | |
| response | 13011 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 186.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

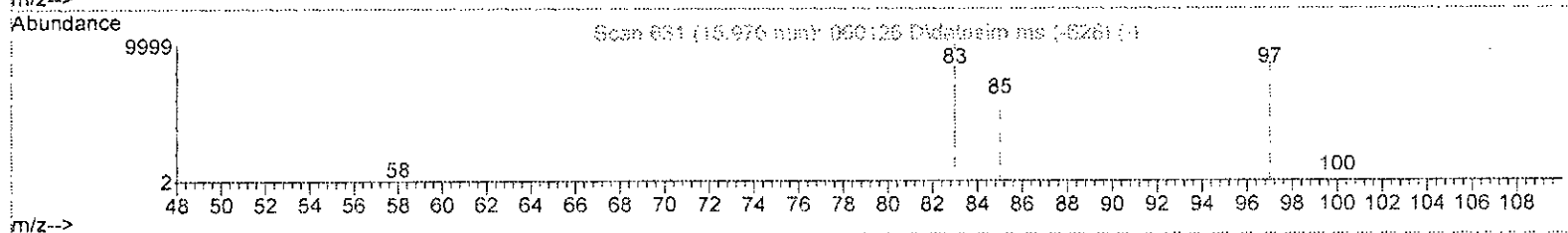
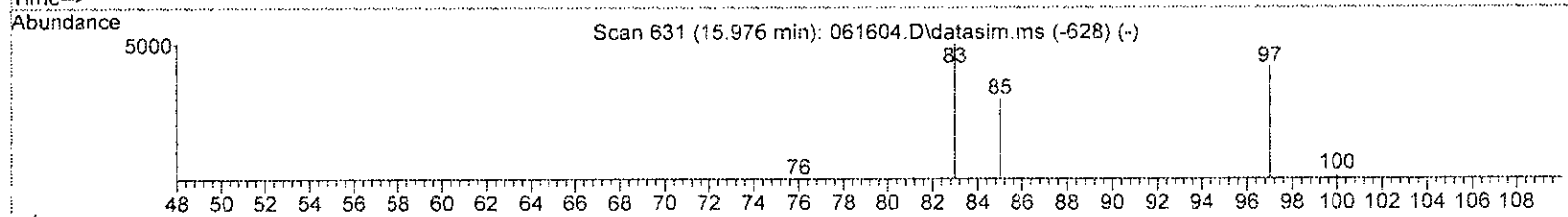
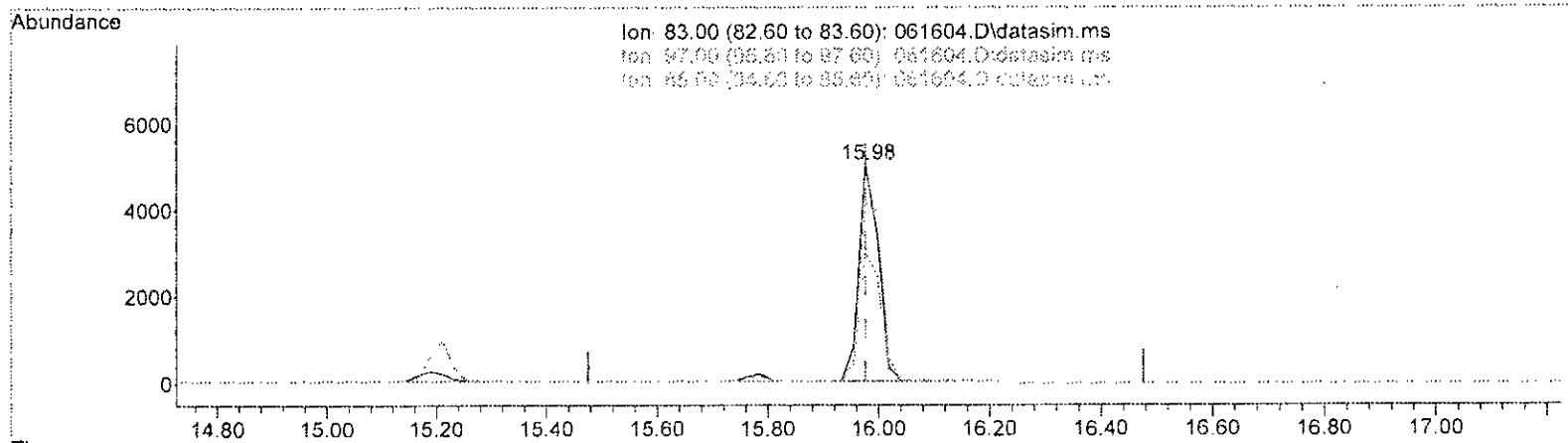
| (51) 1,1,2-Trichloroethane (TMP) | | | |
|----------------------------------|----------|--------|------|
| 15.976min | (-0.000) | 3.301 | ppbv |
| response | 13428 | | |
| Ion | Exp% | Act% | |
| 83.00 | 100.00 | 100.00 | |
| 97.00 | 81.80 | 82.92 | |
| 85.00 | 60.50 | 59.63 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

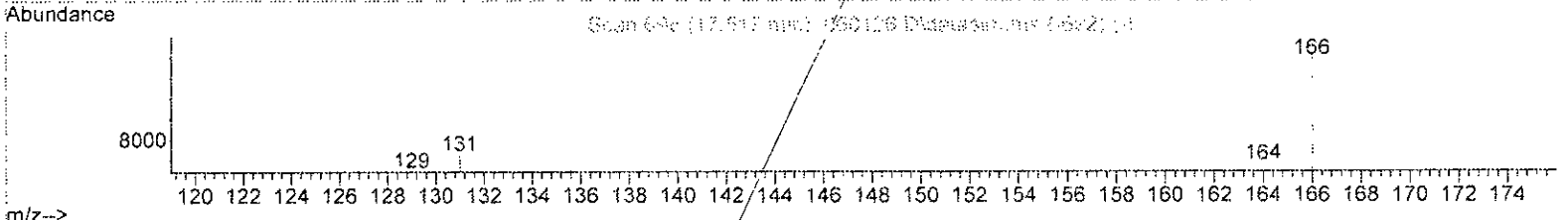
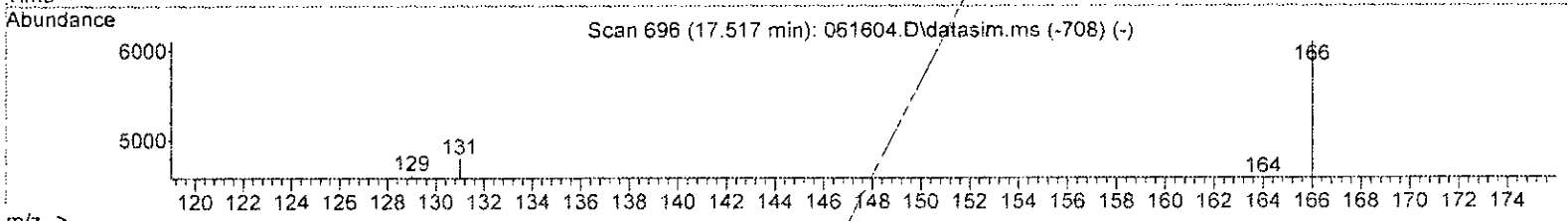
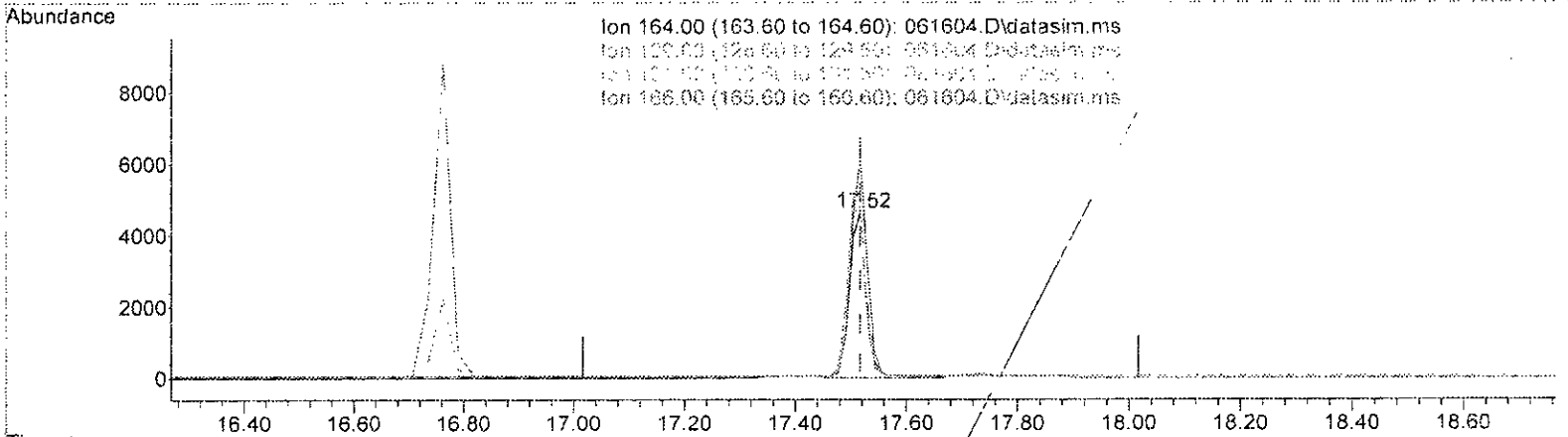
| (51) 1,1,2-Trichloroethane (TMP) | | |
|----------------------------------|--------|--------|
| 15.976min (-0.000) 3.009 ppbv m | | |
| response | 12243 | |
| Ion | Exp% | Act% |
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 82.92 |
| 85.00 | 60.50 | 59.63 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(53) Tetrachloroethene (TMP)
 17.517min (+ 0.000) 2.973 ppbv
 response 10247

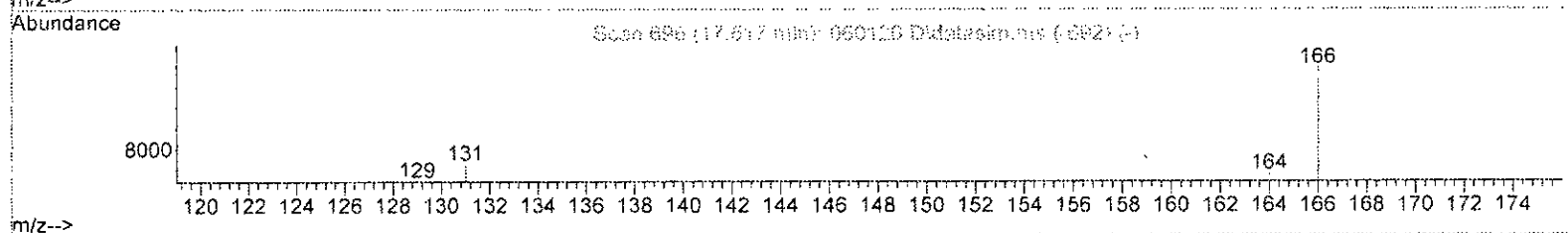
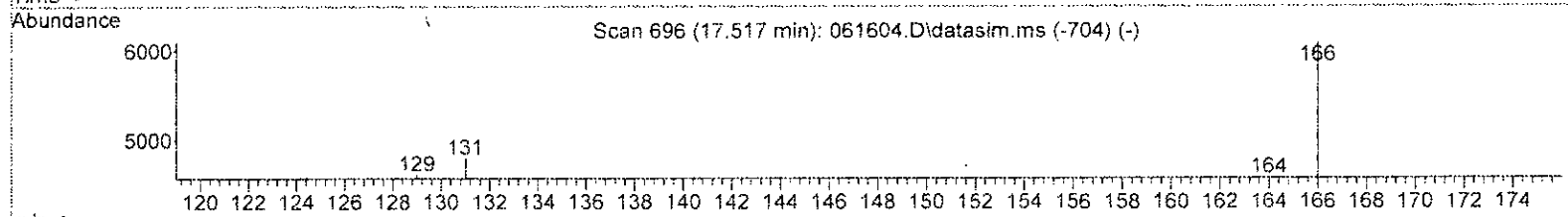
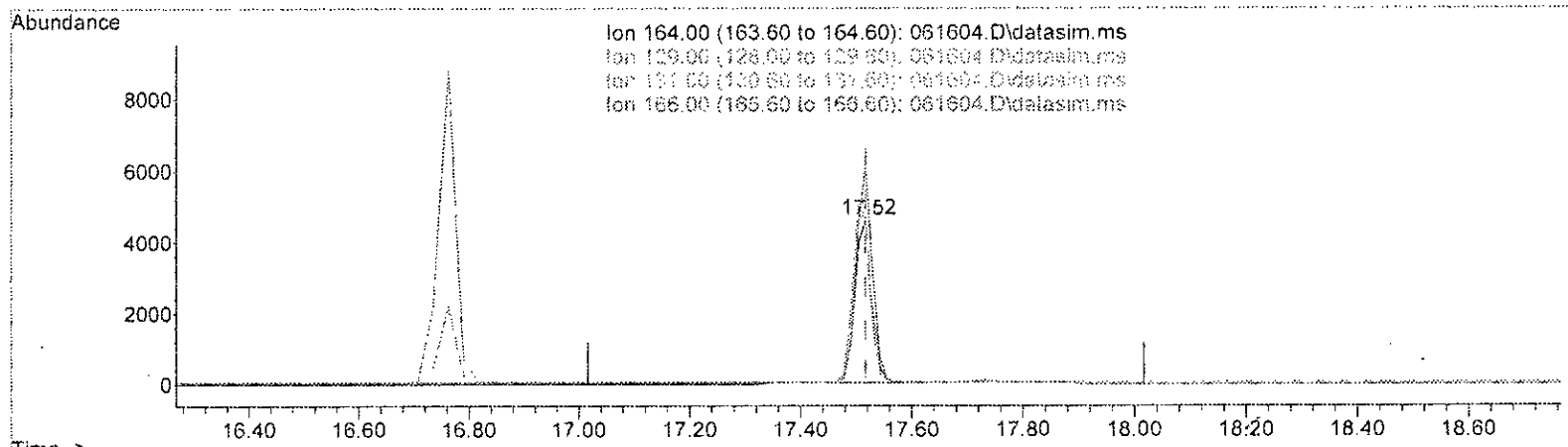
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.72 |
| 131.00 | 100.70 | 104.74 |
| 166.00 | 137.50 | 133.11 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 2.786 ppbv m

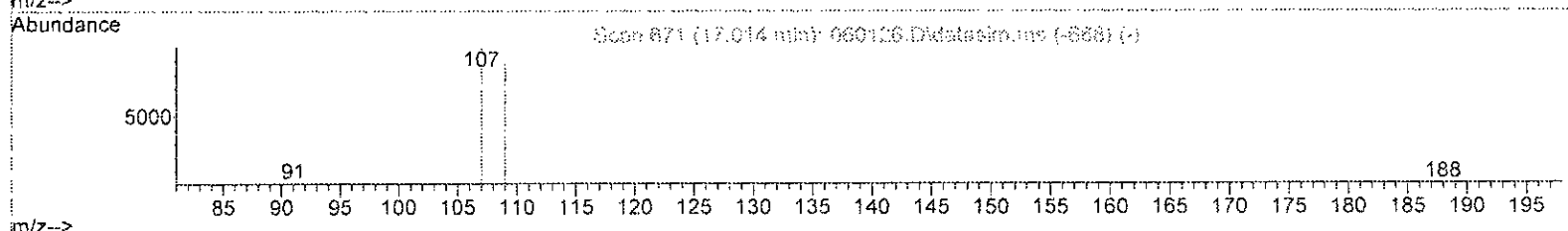
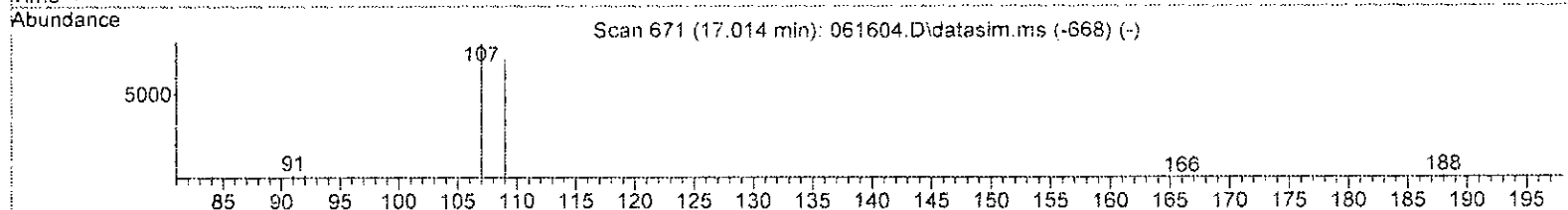
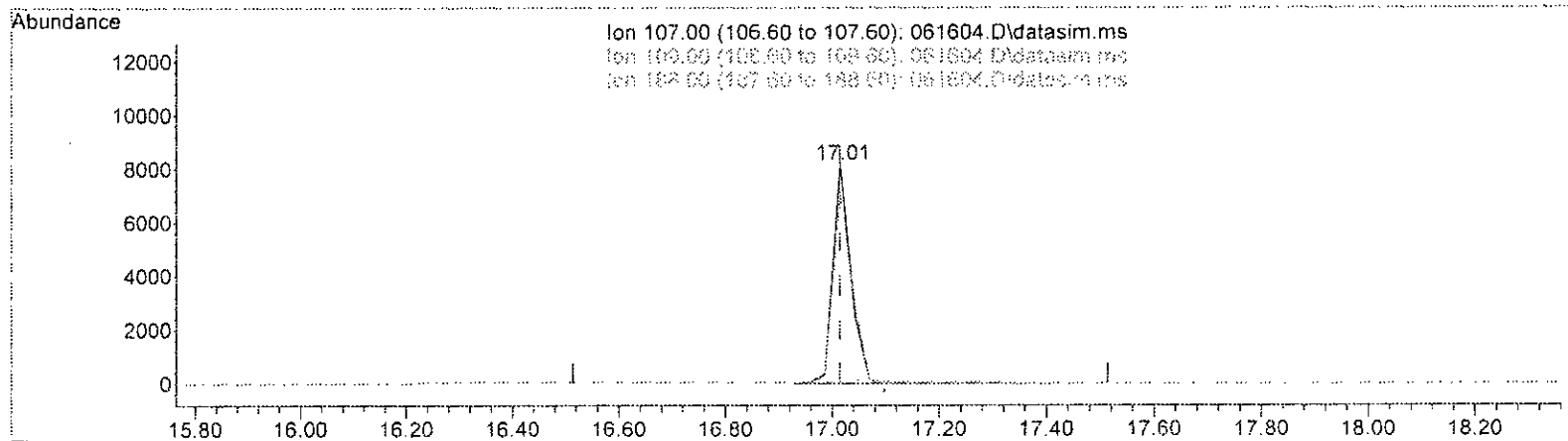
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.73 |
| 131.00 | 100.70 | 104.71 |
| 166.00 | 137.50 | 132.73 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 2.867 ppbv

response 18977

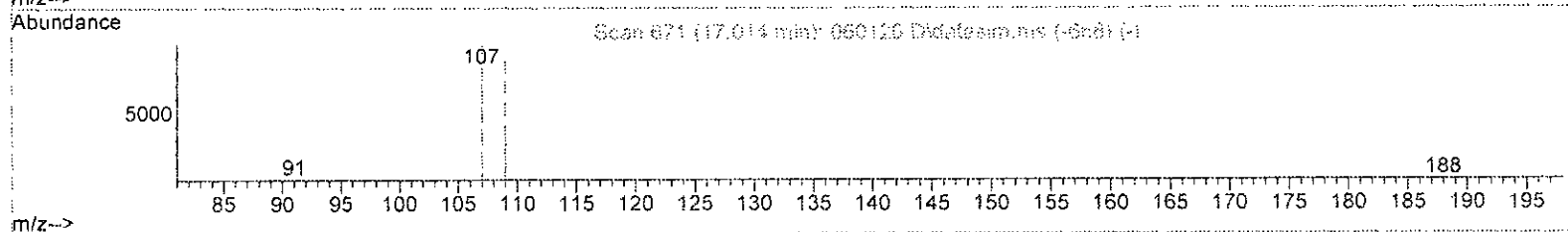
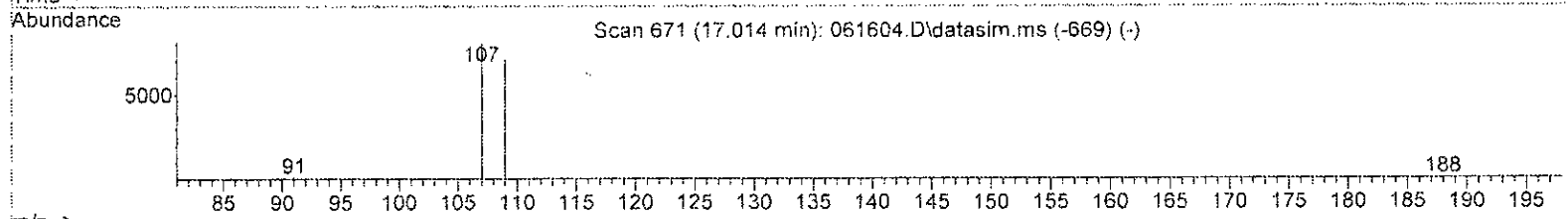
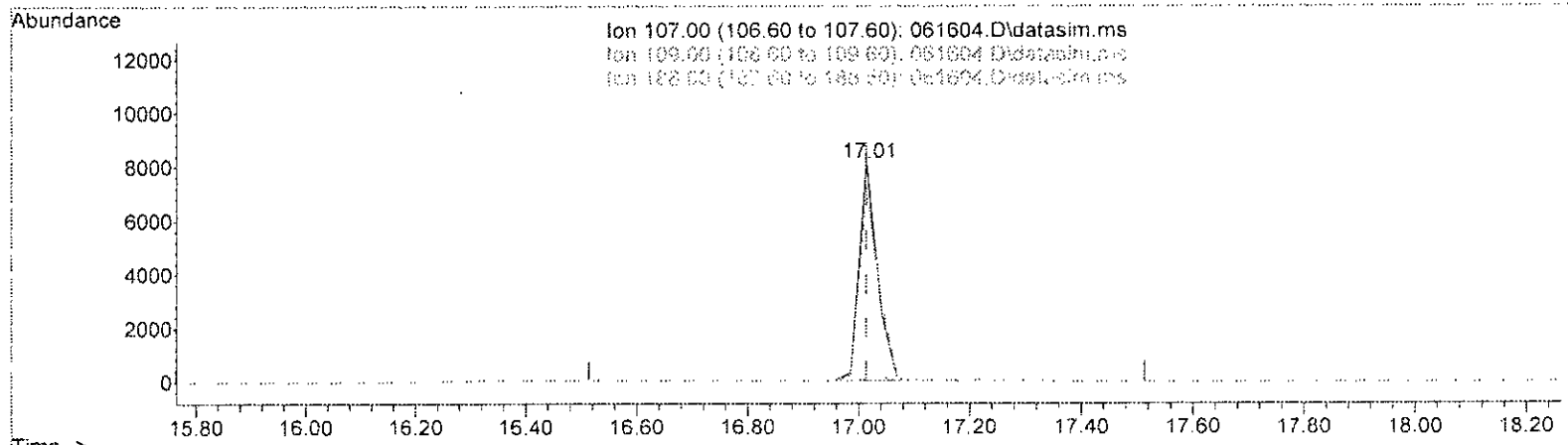
| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.88 |
| 188.00 | 2.70 | 1.35 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 2.793 ppbv m

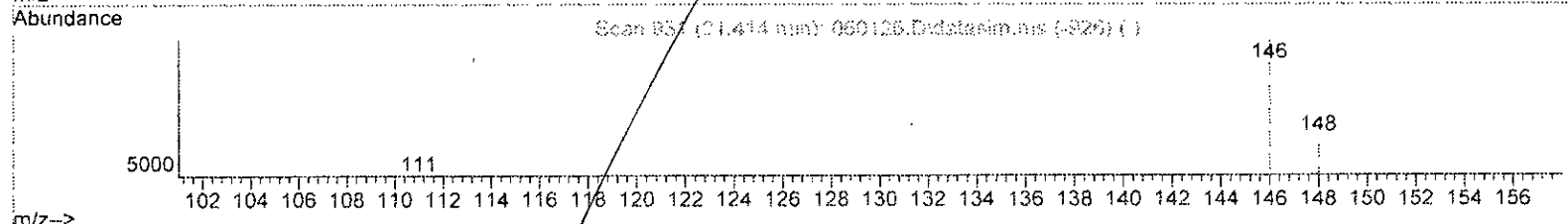
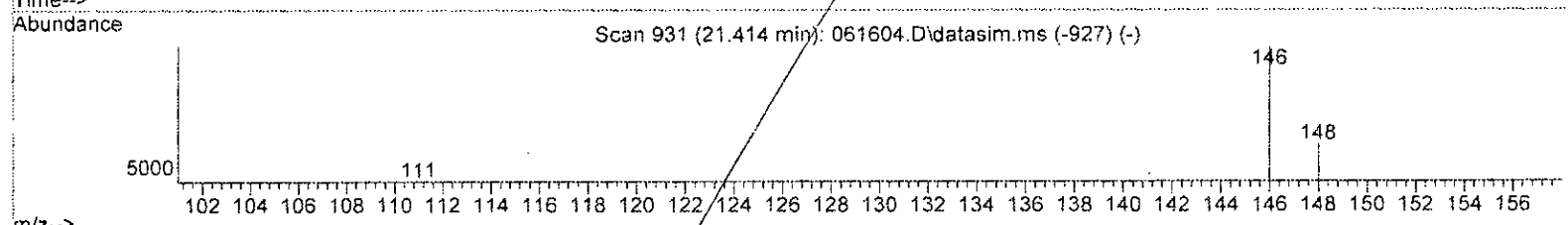
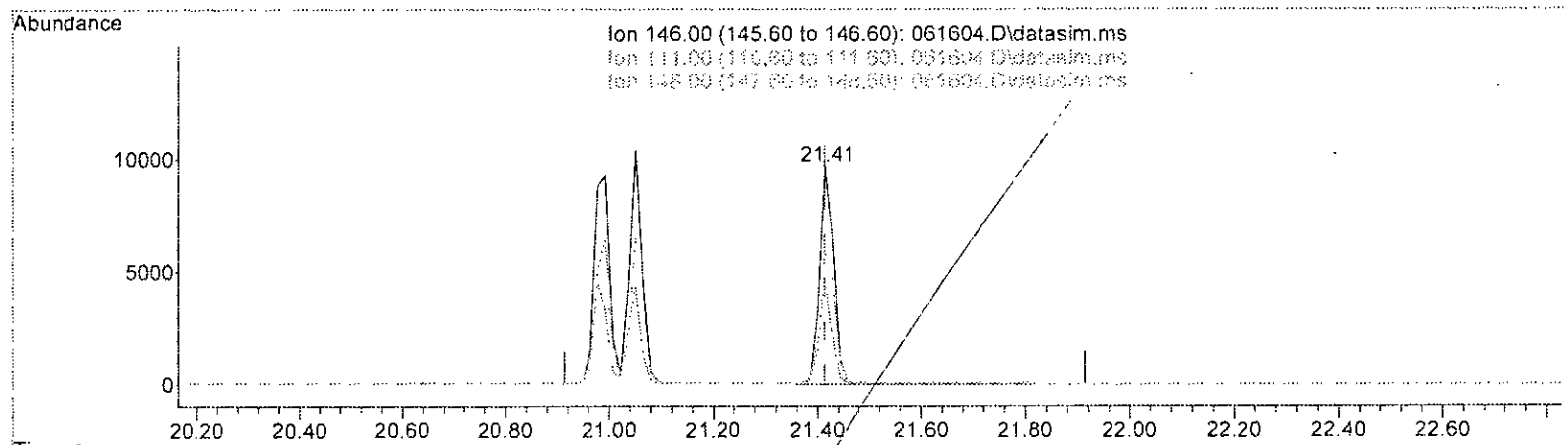
| response | 18487 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.88 |
| 188.00 | 2.70 | 1.35 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.414min (+ 0.000) 2.806 ppbv

response 19205

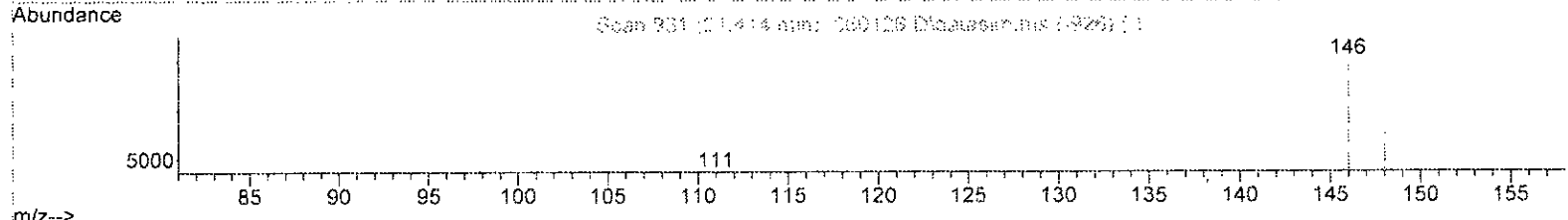
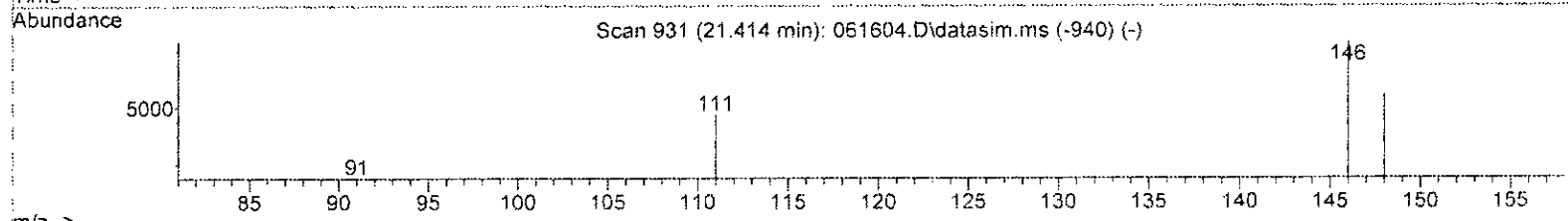
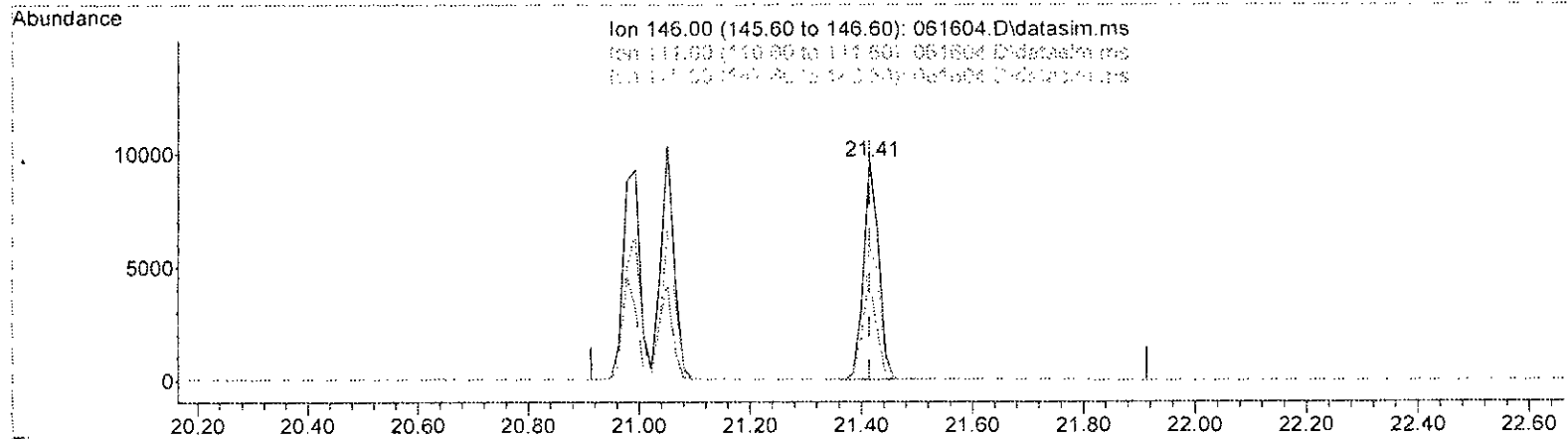
| Ion | Exp% | Act% |
|--------|--------|--------|
| 146.00 | 100.00 | 100.00 |
| 111.00 | 42.90 | 46.39 |
| 148.00 | 63.20 | 60.85 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.414min (+ 0.000) 2.645 ppbv m

| response | 18098 |
|----------|---------------|
| Ion | Exp% Act% |
| 146.00 | 100.00 100.00 |
| 111.00 | 42.90 46.39 |
| 148.00 | 63.20 60.85 |
| 0.00 | 0.00 0.00 |

Handwritten signature

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|-----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 18984 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70949 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 67257 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 48064 | 10.082 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = 100.80% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 7379 | 3.005 | ppbv | 84 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 25609 | 3.132 | ppbv | 99 |
| 4) Chloromethane | 3.73 | 50 | 9207 | 2.946 | ppbv | 79 |
| 5) F-114 | 3.88 | 85 | 24791 | 3.066 | ppbv | 97 |
| 6) Vinyl chloride | 4.05 | 62 | 10013 | 2.853 | ppbv | 95 |
| 7) 1,3-Butadiene | 4.21 | 54 | 5648 | 2.457 | ppbv # | 93 |
| 8) Butane | 4.32 | 43 | 13228 | 2.854 | ppbv | 86 |
| 9) Bromomethane | 4.60 | 94 | 9199 | 3.051 | ppbv | 97 |
| 10) Chloroethane | 4.80 | 64 | 3798m | 2.919 | ppbv | |
| 11) Vinyl bromide | 5.26 | 106 | 7981m | 2.541 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 4018 | 3.325 | ppbv | 75 |
| 13) Acrolein | 5.39 | 56 | 2824m | 2.239 | ppbv | |
| 14) Pentane | 6.25 | 43 | 13657 | 2.601 | ppbv | 99 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 27246 | 3.214 | ppbv | 99 |
| 16) Acetone | 5.55 | 58 | 3785 | 2.892 | ppbv # | 79 |
| 17) 2-Propanol | 5.78 | 45 | 17163 | 2.705 | ppbv # | 100 |
| 18) 1,1-Dichloroethene | 6.65 | 96 | 7875 | 2.615 | ppbv | 95 |
| 19) trans-1,2-Dichloroethene | 8.07 | 96 | 7624 | 2.561 | ppbv # | 84 |
| 20) Methylene chloride | 6.78 | 84 | 8253 | 2.928 | ppbv | 85 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 14570 | 2.605 | ppbv # | 64 |
| 22) 3-Chloropropene | 6.94 | 41 | 11201 | 2.723 | ppbv | 93 |
| 23) CFC-113 | 7.15 | 101 | 19135 | 2.968 | ppbv | 92 |
| 24) Carbon disulfide | 7.25 | 76 | 27773 | 2.901 | ppbv | 96 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 15630 | 2.309 | ppbv | 90 |
| 26) Vinyl acetate | 8.51 | 43 | 21430m | 2.605 | ppbv | |
| 27) 1,1-Dichloroethane | 8.33 | 63 | 19117 | 2.952 | ppbv | 96 |
| 28) cis-1,2-Dichloroethene | 9.60 | 96 | 7745 | 2.394 | ppbv # | 81 |
| 29) Hexane | 9.99 | 57 | 8927 | 2.272 | ppbv | 74 |
| 30) Chloroform | 10.07 | 83 | 21442 | 2.820 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 21528m | 2.883 | ppbv | |
| 32) Tetrahydrofuran | 10.72 | 42 | 8946 | 2.552 | ppbv | 87 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 2914 | 2.532 | ppbv # | 81 |
| 34) 1,2-Dichloroethane (EDC) | 11.30 | 62 | 14385m | 2.953 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.79 | 97 | 19027 | 2.883 | ppbv | 95 |
| 36) Carbon tetrachloride | 12.83 | 117 | 19384 | 2.888 | ppbv | 98 |
| 37) Benzene | 12.58 | 78 | 25562 | 2.463 | ppbv | 99 |
| 38) Cyclohexane | 13.05 | 84 | 5661 | 2.201 | ppbv | 91 |
| 40) 1,2-Dichloropropane | 13.77 | 63 | 13050m | 3.058 | ppbv | |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

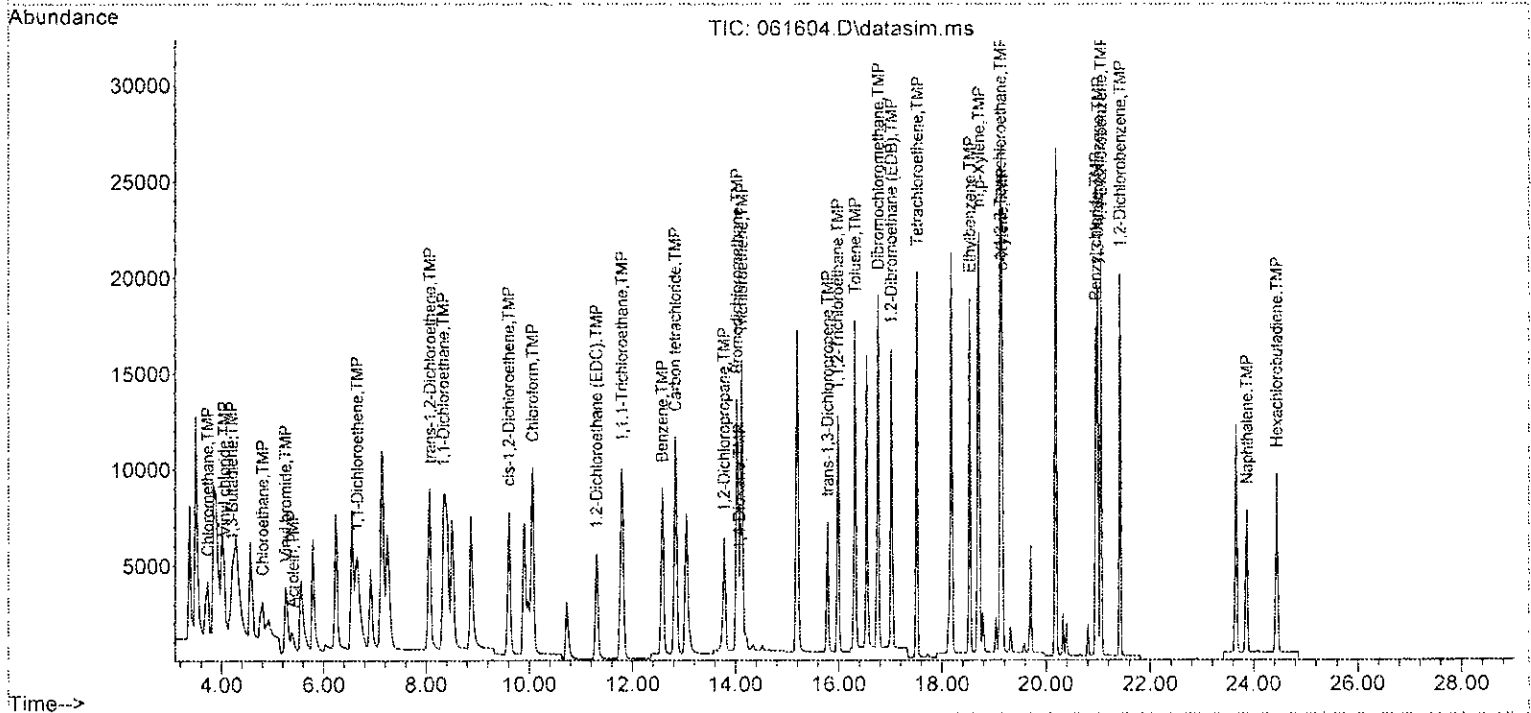
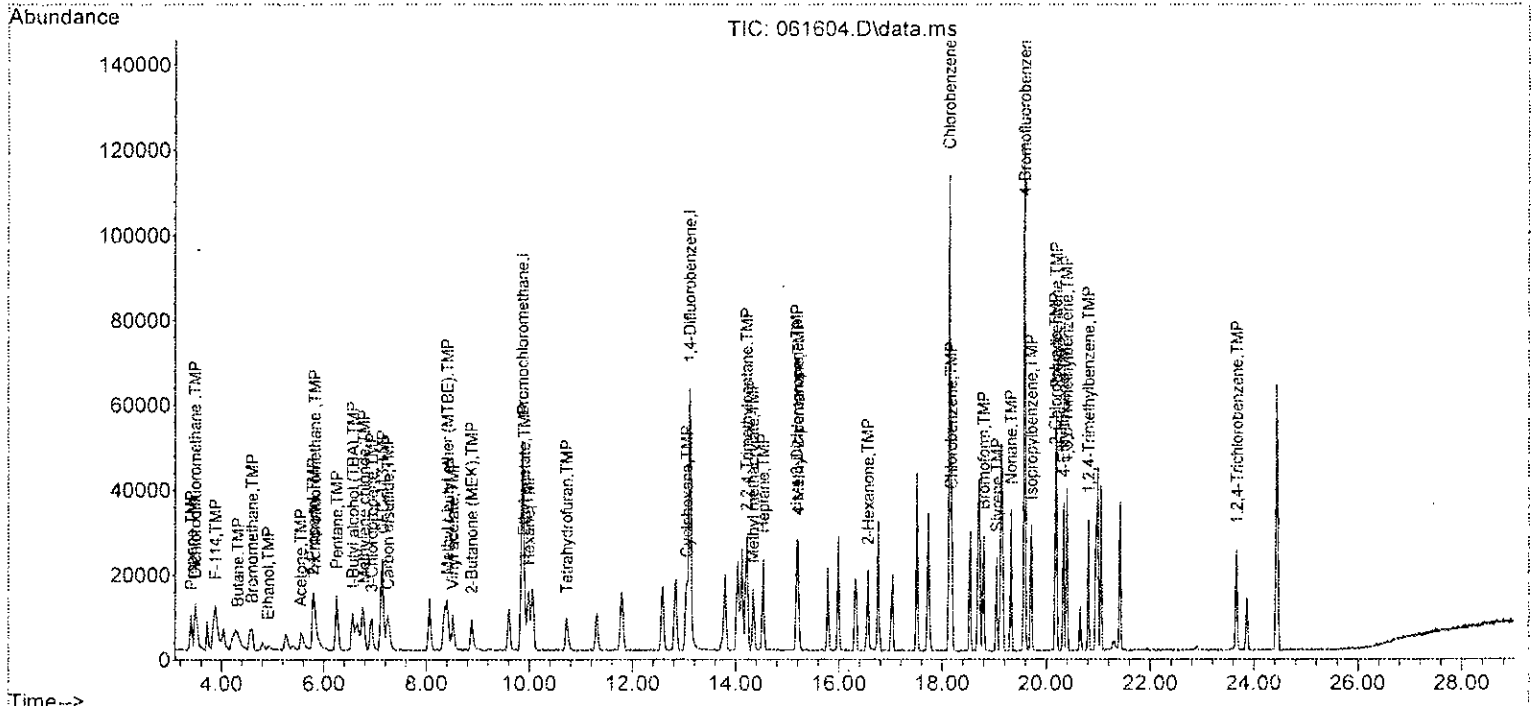
Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 4509 | 2.400 | ppbv | 97 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 34757 | 2.710 | ppbv # | 75 |
| 43) Methyl methacrylate | 14.34 | 41 | 11539 | 2.945 | ppbv # | 93 |
| 44) Heptane | 14.53 | 43 | 12028 | 2.720 | ppbv | 97 |
| 45] Bromodichloromethane | 14.02 | 83 | 21980 | 3.182 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 12708 | 2.915 | ppbv | 99 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 14127 | 2.889 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 901 | 2.710 | ppbv # | 39 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 13527 | 2.745 | ppbv | 92 |
| 50] Toluene | 16.31 | 92 | 13011m | 2.315 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 12243m | 3.009 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 19723 | 2.921 | ppbv | 89 |
| 53] Tetrachloroethene | 17.52 | 164 | 9602m | 2.786 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 19468 | 2.906 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 18487m | 2.793 | ppbv | |
| 57) Chlorobenzene | 18.17 | 112 | 19375 | 2.692 | ppbv | 95 |
| 58] Ethylbenzene | 18.53 | 91 | 25489 | 2.181 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.12 | 83 | 30002 | 2.913 | ppbv | 89 |
| 60) Nonane | 19.32 | 43 | 13217 | 2.619 | ppbv | 91 |
| 61) Isopropylbenzene | 19.72 | 105 | 23263 | 2.311 | ppbv | 99 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 6591 | 2.442 | ppbv | 90 |
| 63) Propylbenzene | 20.19 | 91 | 51048 | 2.514 | ppbv | 95 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 22775 | 2.306 | ppbv | 99 |
| 65] m,p-Xylene | 18.70 | 106 | 17613 | 4.221 | ppbv | 99 |
| 66] o-Xylene | 19.15 | 106 | 8171 | 2.307 | ppbv | 95 |
| 67) Styrene | 19.05 | 104 | 11513 | 2.232 | ppbv | 96 |
| 68) Bromoform | 18.80 | 173 | 15514 | 2.453 | ppbv | 98 |
| 70] Benzyl chloride | 20.95 | 91 | 25114 | 2.759 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 22037 | 2.472 | ppbv | 97 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 17826 | 2.264 | ppbv | 99 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 19209 | 2.713 | ppbv | 89 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 17145 | 2.581 | ppbv | 92 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 18098m | 2.645 | ppbv | |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 11467 | 2.136 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 15759 | 1.846 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 19712 | 2.658 | ppbv | 98 |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 93 | 0.00 |
| 2 TMP Propene | 2.500 | 3.005 | -20.2 | 105 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 2.500 | 3.132 | -25.3 | 93 | 0.00 |
| 4 TMP Chloromethane | 2.500 | 2.946 | -17.8 | 97 | 0.04 |
| 5 TMP F-114 | 2.500 | 3.066 | -22.6 | 93 | 0.00 |
| 6 TMP Vinyl chloride | 2.500 | 2.853 | -14.1 | 92 | 0.04 |
| 7 TMP 1,3-Butadiene | 2.500 | 2.457 | 1.7 | 82 | 0.00 |
| 8 TMP Butane | 2.500 | 2.854 | -14.2 | 92 | 0.04 |
| 9 TMP Bromomethane | 2.500 | 3.051 | -22.0 | 93 | 0.04 |
| 10 TMP Chloroethane | 2.500 | 2.919 | -16.8 | 96 | 0.00 |
| 11 TMP Vinyl bromide | 2.500 | 2.541 | -1.6 | 82 | 0.00 |
| 12 TMP Ethanol | 2.500 | 3.325 | -33.0# | 99 | -0.04 |
| 13 TMP Acrolein | 2.500 | 2.239 | 10.4 | 82 | 0.02 |
| 14 TMP Pentane | 2.500 | 2.601 | -4.0 | 87 | 0.00 |
| 15 TMP Trichlorofluoromethane | 2.500 | 3.214 | -28.6 | 94 | 0.00 |
| 16 TMP Acetone | 2.500 | 2.892 | -15.7 | 95 | 0.00 |
| 17 TMP 2-Propanol | 2.500 | 2.705 | -8.2 | 85 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 2.500 | 2.615 | -4.6 | 87 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 2.500 | 2.561 | -2.4 | 84 | 0.00 |
| 20 TMP Methylene chloride | 2.500 | 2.928 | -17.1 | 95 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.500 | 2.605 | -4.2 | 85 | 0.00 |
| 22 TMP 3-Chloropropene | 2.500 | 2.723 | -8.9 | 89 | 0.00 |
| 23 TMP CFC-113 | 2.500 | 2.968 | -18.7 | 91 | 0.00 |
| 24 TMP Carbon disulfide | 2.500 | 2.901 | -16.0 | 93 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 2.500 | 2.309 | 7.6 | 73 | 0.00 |
| 26 TMP Vinyl acetate | 2.500 | 2.605 | -4.2 | 87 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 2.500 | 2.952 | -18.1 | 96 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 2.500 | 2.394 | 4.2 | 81 | 0.00 |
| 29 TMP Hexane | 2.500 | 2.272 | 9.1 | 73 | 0.00 |
| 30 TMP Chloroform | 2.500 | 2.820 | -12.8 | 95 | 0.00 |
| 31 TMP Ethyl acetate | 2.500 | 2.883 | -15.3 | 95 | 0.00 |
| 32 TMP Tetrahydrofuran | 2.500 | 2.552 | -2.1 | 84 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 2.500 | 2.532 | -1.3 | 85 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.500 | 2.953 | -18.1 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 2.500 | 2.883 | -15.3 | 93 | 0.00 |
| 36 TMP Carbon tetrachloride | 2.500 | 2.888 | -15.5 | 93 | 0.00 |
| 37 TMP Benzene | 2.500 | 2.463 | 1.5 | 85 | 0.00 |
| 38 TMP Cyclohexane | 2.500 | 2.201 | 12.0 | 70 | 0.00 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 81 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 2.500 | 3.058 | -22.3 | 92 | 0.00 |
| 41 TMP 1,4-Dioxane | 2.500 | 2.400 | 4.0 | 73 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 2.500 | 2.710 | -8.4 | 79 | 0.00 |
| 43 TMP Methyl methacrylate | 2.500 | 2.945 | -17.8 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 2.500 | 2.720 | -8.8 | 81 | 0.00 |
| 45 TMP Bromodichloromethane | 2.500 | 3.182 | -27.3 | 93 | 0.00 |
| 46 TMP Trichloroethene | 2.500 | 2.915 | -16.6 | 86 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 2.500 | 2.889 | -15.6 | 84 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 2.500 | 2.710 | -8.4 | 83 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 2.500 | 2.745 | -9.8 | 83 | 0.00 |
| 50 TMP Toluene | 2.500 | 2.315 | 7.4 | 74 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 2.500 | 3.009 | -20.4 | 92 | 0.00 |
| 52 TMP 2-Hexanone | 2.500 | 2.921 | -16.8 | 90 | 0.00 |
| 53 TMP Tetrachloroethene | 2.500 | 2.786 | -11.4 | 78 | 0.00 |
| 54 TMP Dibromochloromethane | 2.500 | 2.906 | -16.2 | 87 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.793 | -11.7 | 85 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 87 | 0.00 |
| 57 TMP Chlorobenzene | 2.500 | 2.692 | -7.7 | 81 | 0.00 |
| 58 TMP Ethylbenzene | 2.500 | 2.181 | 12.8 | 72 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.913 | -16.5 | 94 | -0.02 |
| 60 TMP Nonane | 2.500 | 2.619 | -4.8 | 82 | 0.00 |
| 61 TMP Isopropylbenzene | 2.500 | 2.311 | 7.6 | 73 | 0.00 |
| 62 TMP 2-Chlorotoluene | 2.500 | 2.442 | 2.3 | 77 | 0.00 |
| 63 TMP Propylbenzene | 2.500 | 2.514 | -0.6 | 79 | 0.00 |
| 64 TMP 4-Ethyltoluene | 2.500 | 2.306 | 7.8 | 74 | 0.00 |
| 65 TMP m,p-Xylene | 5.000 | 4.221 | 15.6 | 72 | 0.00 |
| 66 TMP o-Xylene | 2.500 | 2.307 | 7.7 | 74 | 0.00 |
| 67 TMP Styrene | 2.500 | 2.232 | 10.7 | 70 | 0.00 |
| 68 TMP Bromoform | 2.500 | 2.453 | 1.9 | 80 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.082 | -0.8 | 87 | 0.00 |
| 70 TMP Benzyl chloride | 2.500 | 2.759 | -10.4 | 87 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 2.500 | 2.472 | 1.1 | 79 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 2.500 | 2.264 | 9.4 | 70 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 2.500 | 2.713 | -8.5 | 85 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 2.500 | 2.581 | -3.2 | 82 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 2.500 | 2.645 | -5.8 | 83 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 2.500 | 2.136 | 14.6 | 72 | 0.00 |
| 77 TMP Naphthalene | 2.500 | 1.846 | 26.2 | 65 | 0.00 |
| 78 TMP Hexachlorobutadiene | 2.500 | 2.658 | -6.3 | 84 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 2 TMP Propene | 1.293 | 1.555 | -20.3 | 105 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 5.396 | -25.3 | 93 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.940 | -17.9 | 97 | 0.04 |
| 5 TMP F-114 | 4.259 | 5.224 | -22.7 | 93 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 2.110 | -14.1 | 92 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.190 | 1.7 | 82 | 0.00 |
| 8 TMP Butane | 2.441 | 2.787 | -14.2 | 92 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.938 | -22.0 | 93 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.800 | -16.8 | 96 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.682 | -1.6 | 82 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.847 | -33.0# | 99 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.595 | 10.4 | 82 | 0.02 |
| 14 TMP Pentane | 2.765 | 2.878 | -4.1 | 87 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 5.741 | -28.5 | 94 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.798 | -15.8 | 95 | 0.00 |
| 17 TMP 2-Propanol | 3.342 | 3.616 | -8.2 | 85 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.659 | -4.5 | 87 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.606 | -2.4 | 84 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.739 | -17.1 | 95 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 3.070 | -4.2 | 85 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.360 | -8.9 | 89 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 4.032 | -18.7 | 91 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 5.852 | -16.0 | 93 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.293 | 7.6 | 73 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.515 | -4.2 | 87 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 4.028 | -18.1 | 96 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.632 | 4.2 | 81 | 0.00 |
| 29 TMP Hexane | 2.070 | 1.881 | 9.1 | 73 | 0.00 |
| 30 TMP Chloroform | 4.005 | 4.518 | -12.8 | 95 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 4.536 | -15.3 | 95 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.885 | -2.1 | 84 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.614 | -1.3 | 85 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 3.031 | -18.1 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 4.009 | -15.3 | 93 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 4.084 | -15.5 | 93 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.386 | 1.5 | 85 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.193 | 12.0 | 70 | 0.00 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.736 | -22.5 | 92 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.254 | 4.2 | 73 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.960 | -8.4 | 79 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.651 | -17.9 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.678 | -8.8 | 81 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.239 | -27.2 | 93 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.716 | -16.4 | 86 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.796 | -15.5 | 84 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.051 | -8.5 | 83 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.763 | -9.8 | 83 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.734 | 7.3 | 74 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.690 | -20.4 | 92 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 1.112 | -16.8 | 90 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.541 | -11.3 | 78 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 1.098 | -16.3 | 87 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.042 | -11.7 | 85 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.152 | -7.7 | 81 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.516 | 12.8 | 72 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.784 | -16.5 | 94 | -0.02 |
| 60 TMP Nonane | 0.750 | 0.786 | -4.8 | 82 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.384 | 7.5 | 73 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.392 | 2.2 | 77 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.036 | -0.6 | 79 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.355 | 7.7 | 74 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.524 | 15.5 | 72 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.486 | 7.8 | 74 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.685 | 10.7 | 70 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.923 | 1.8 | 80 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.715 | -0.8 | 87 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.494 | -10.4 | 87 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.311 | 1.1 | 79 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.060 | 9.5 | 70 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.142 | -8.5 | 85 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.020 | -3.2 | 82 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.076 | -5.8 | 83 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.682 | 14.5 | 72 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.937 | 23.8 | 65 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.172 | -6.3 | 84 | 0.00 |

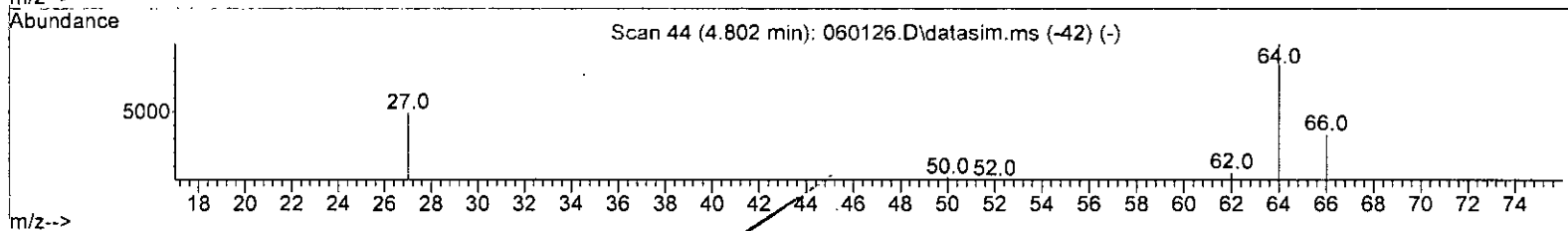
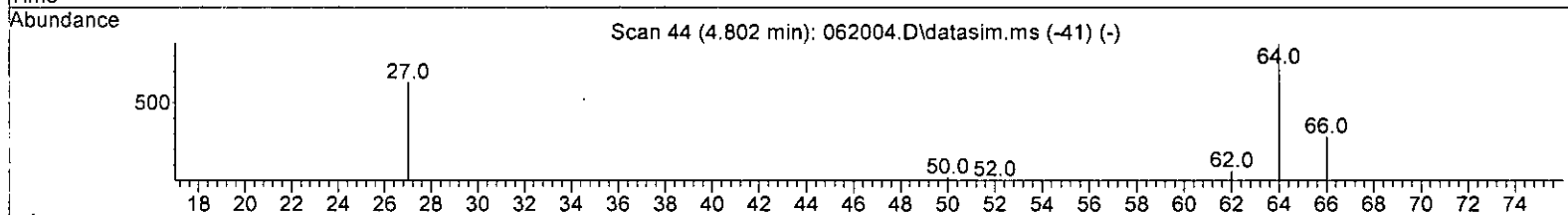
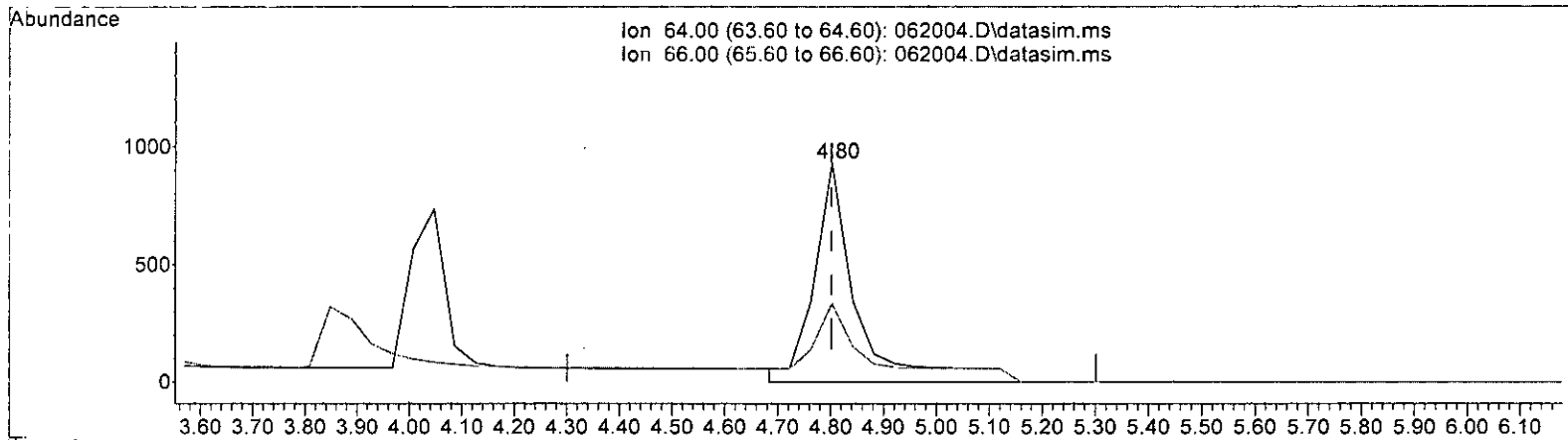
(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



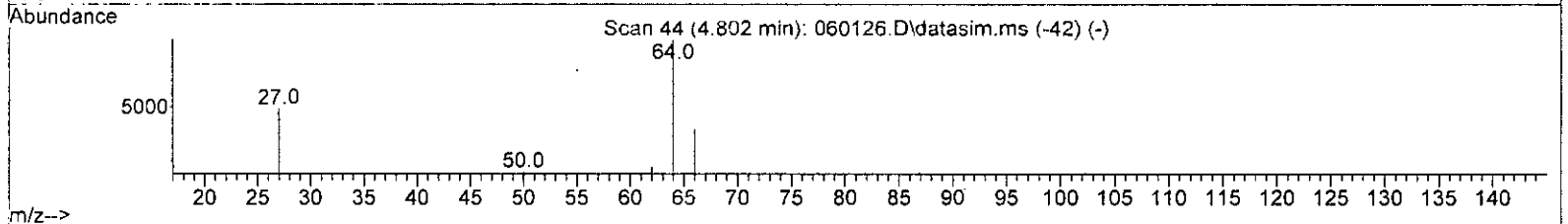
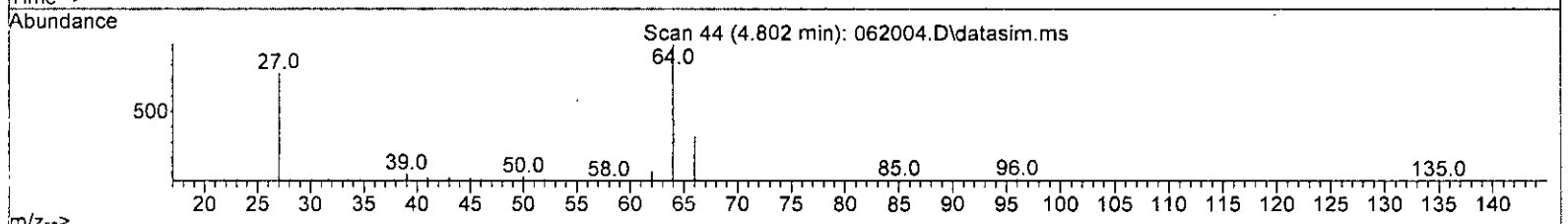
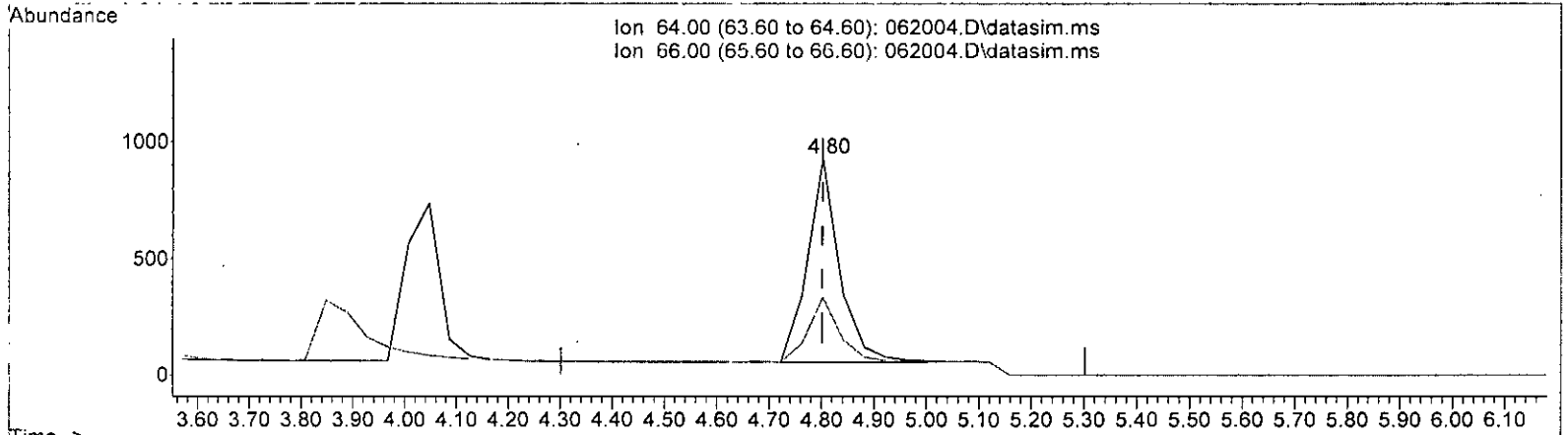
TIC: 062004.D\data.ms

| (10) Chloroethane (TMP) | | | |
|-------------------------|--------|--------|---------------|
| 4.802min (+ 0.000) | 3.797 | ppbv | |
| response | 4960 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | MD 6/21/23 |
| 66.00 | 31.80 | 36.02 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



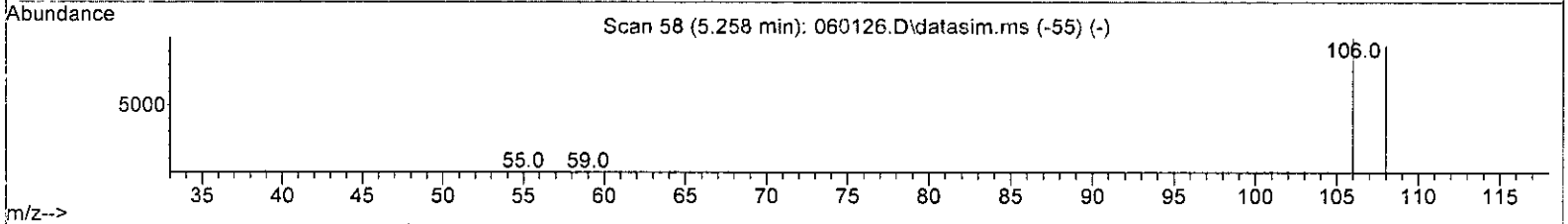
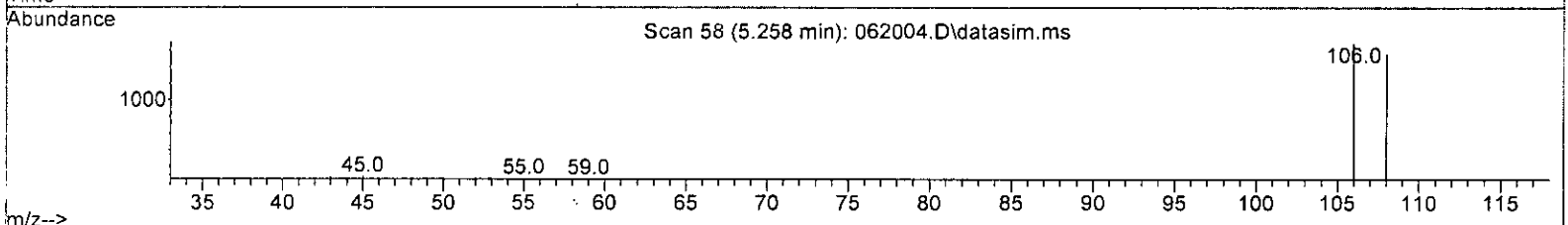
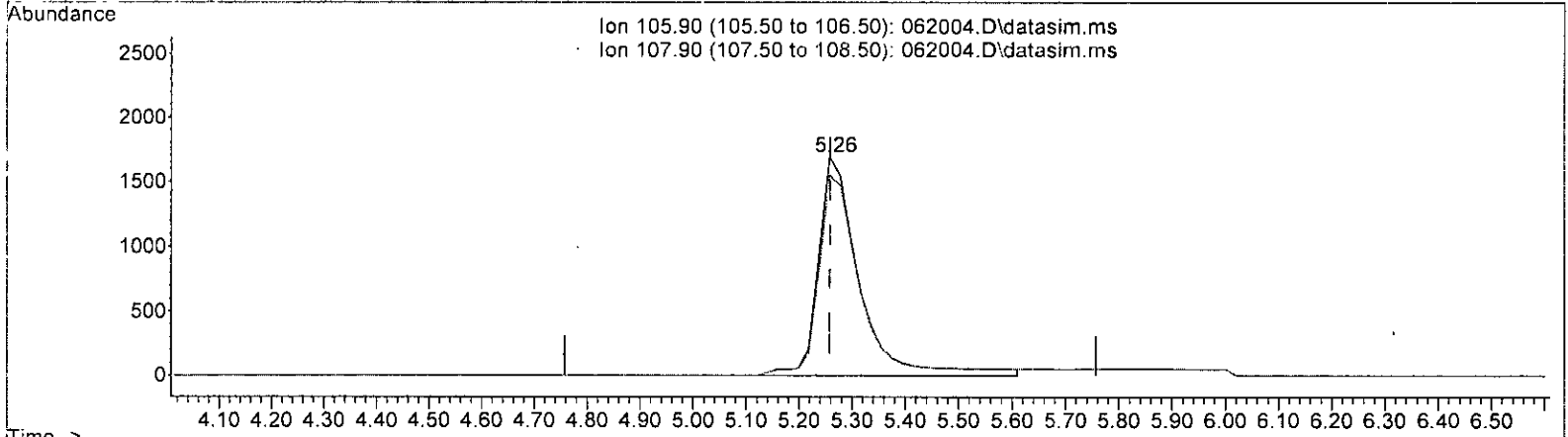
TIC: 062004.D\data.ms

| (10) Chloroethane (TMP) | | | |
|---------------------------------|--------|--------|-----------------------------|
| 4.802min (+ 0.000) 2.831 ppbv m | | | |
| response | 3698 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | <i>MD</i> <i>6/21/23</i> |
| 66.00 | 31.80 | 36.02 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

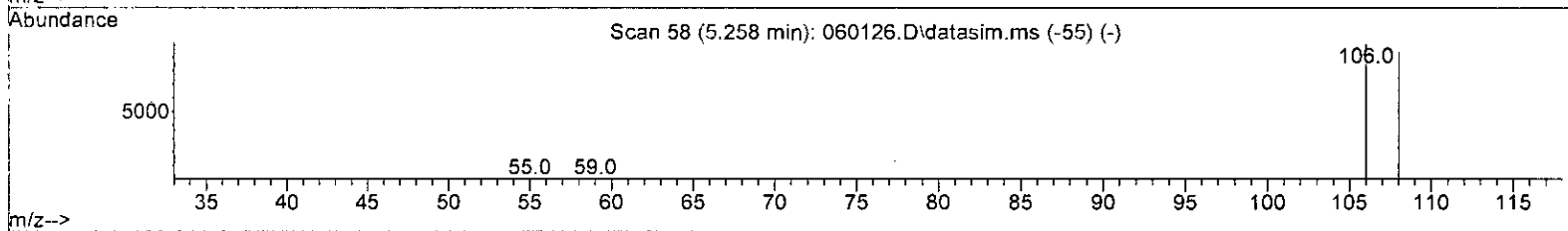
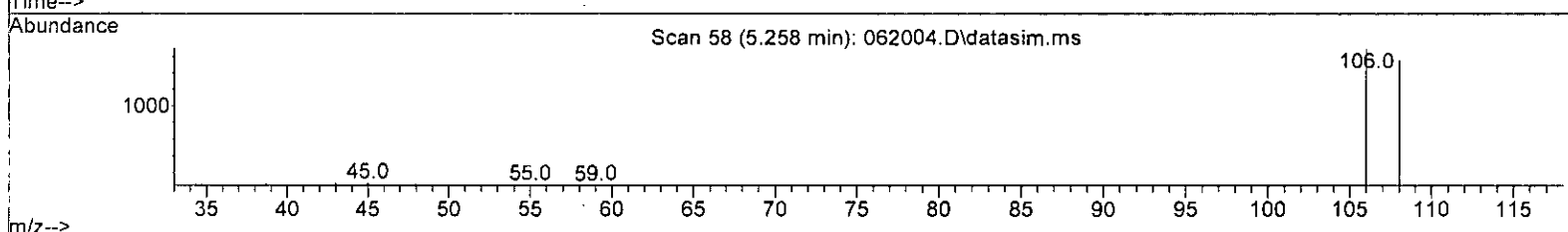
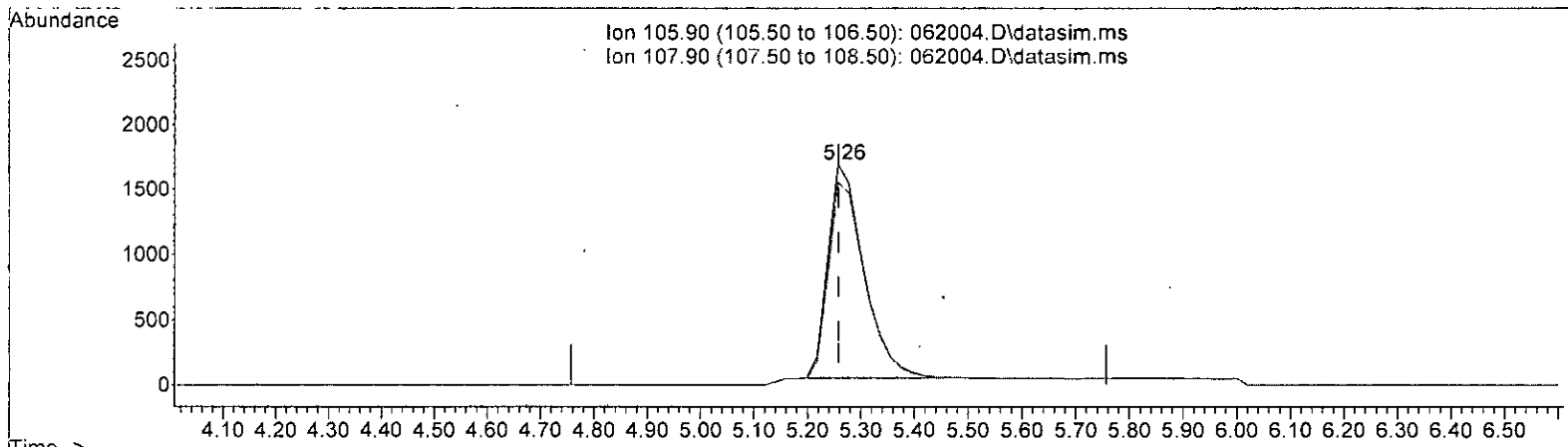
| (11) Vinyl bromide (TMP) | | | |
|--------------------------|----------|--------|------|
| 5.258min | (-0.000) | 3.114 | ppbv |
| response | 9820 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 95.75 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

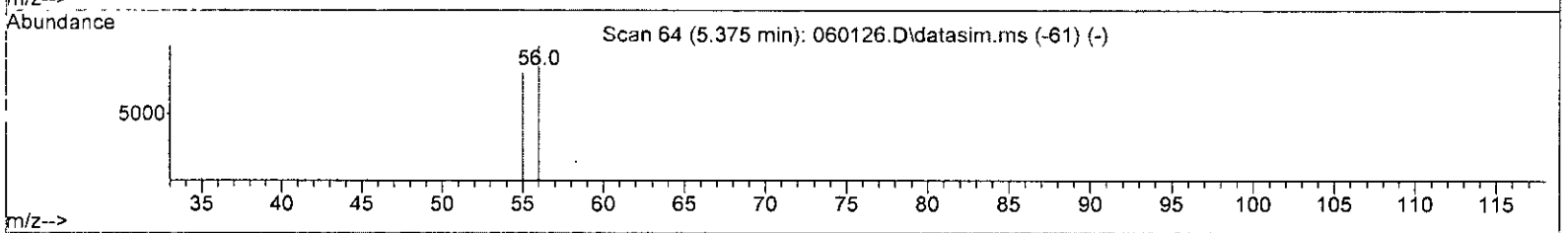
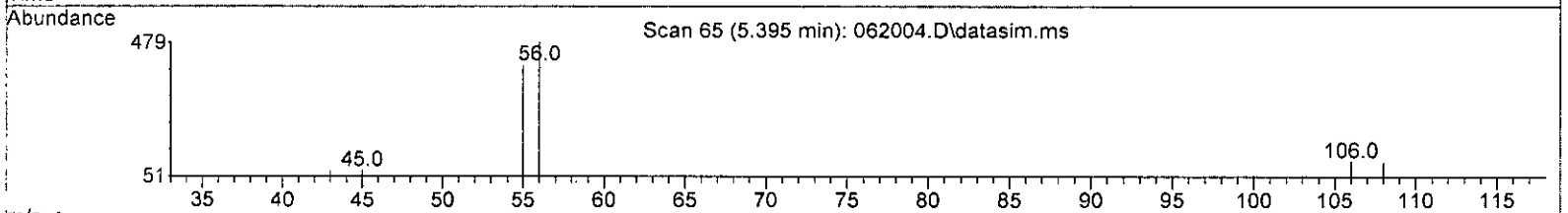
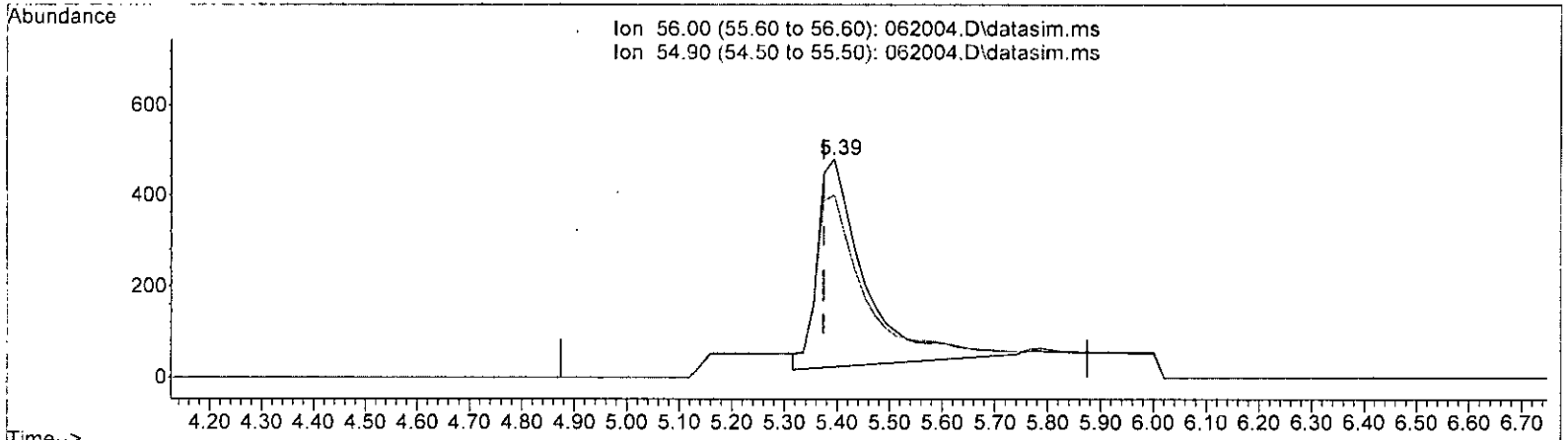
| (11) Vinyl bromide (TMP) | | | |
|--------------------------------|--------|---------|--|
| 5.258min (-0.000) 2.394 ppbv m | | | |
| response | 7550 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 124.54# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

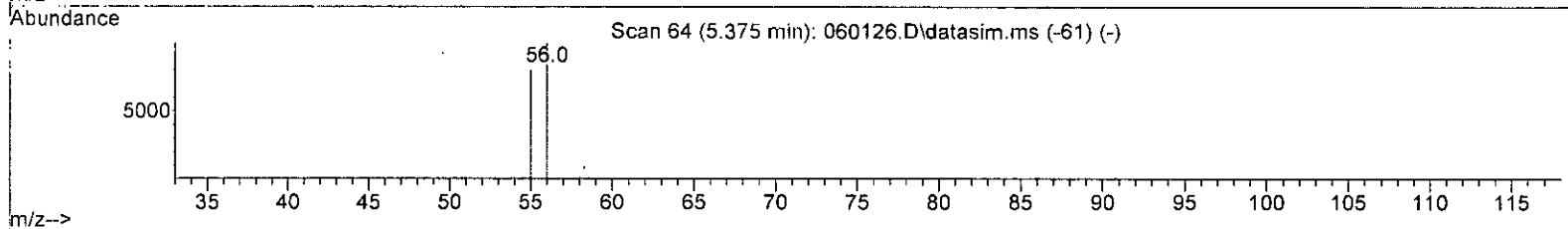
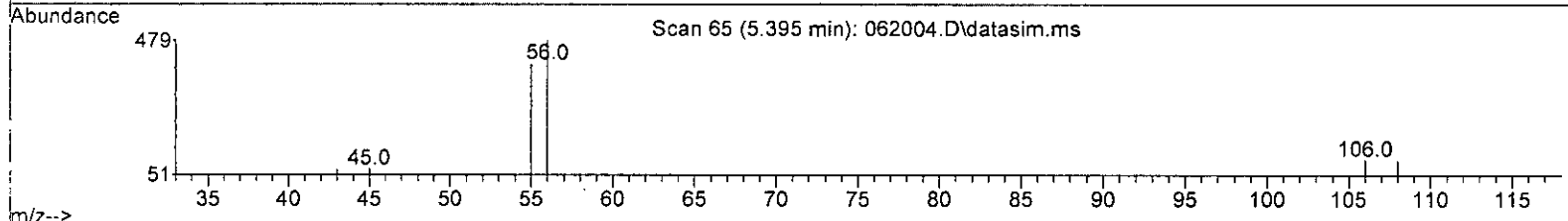
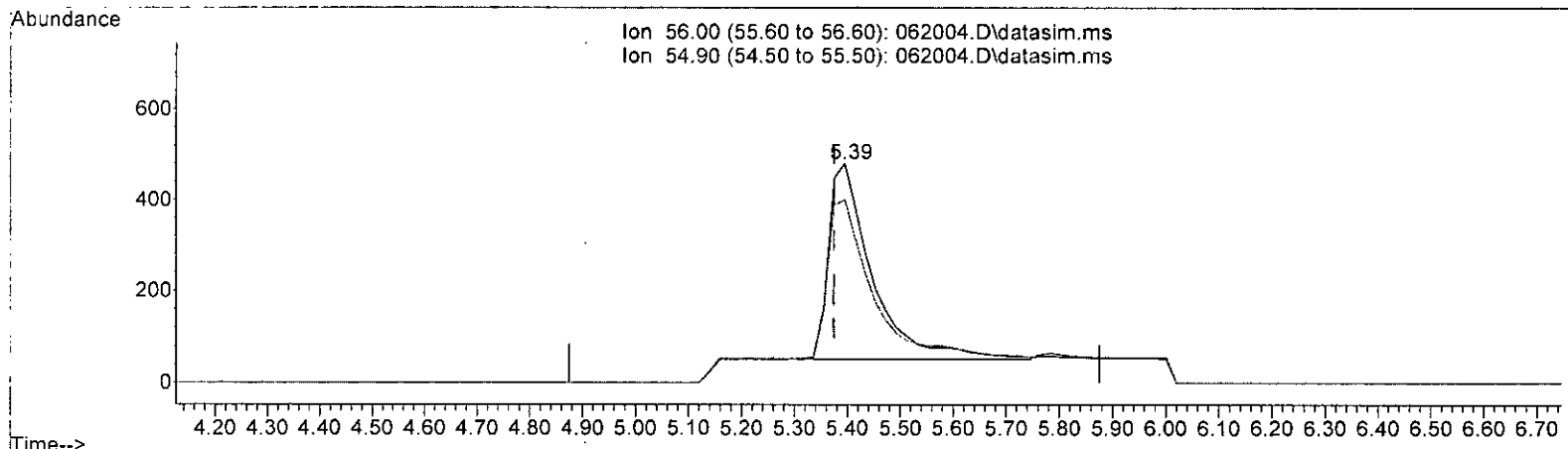
| (13) Acrolein (TMP) | | |
|---------------------|------------|--------|
| 5.395min (+ 0.020) | 2.276 ppbv | |
| response | 2882 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 88.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 07/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

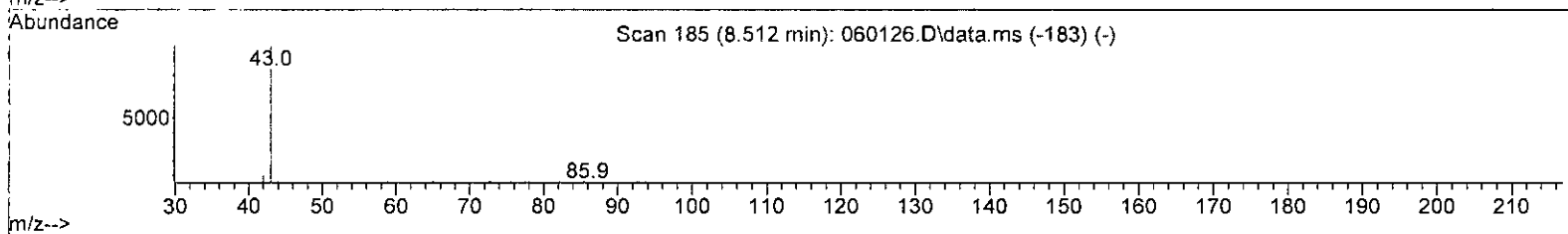
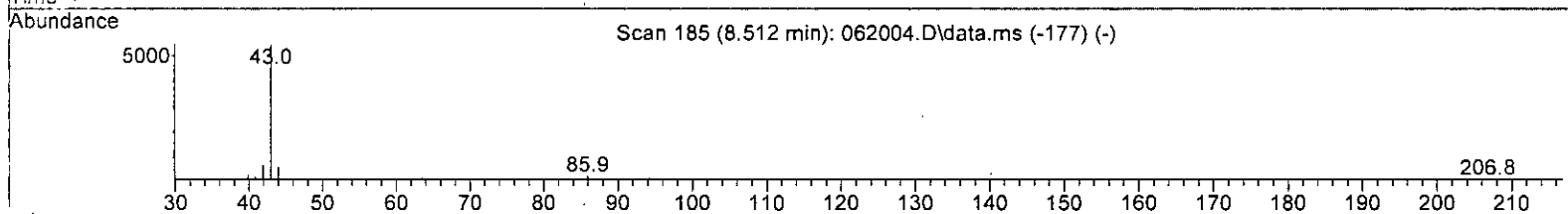
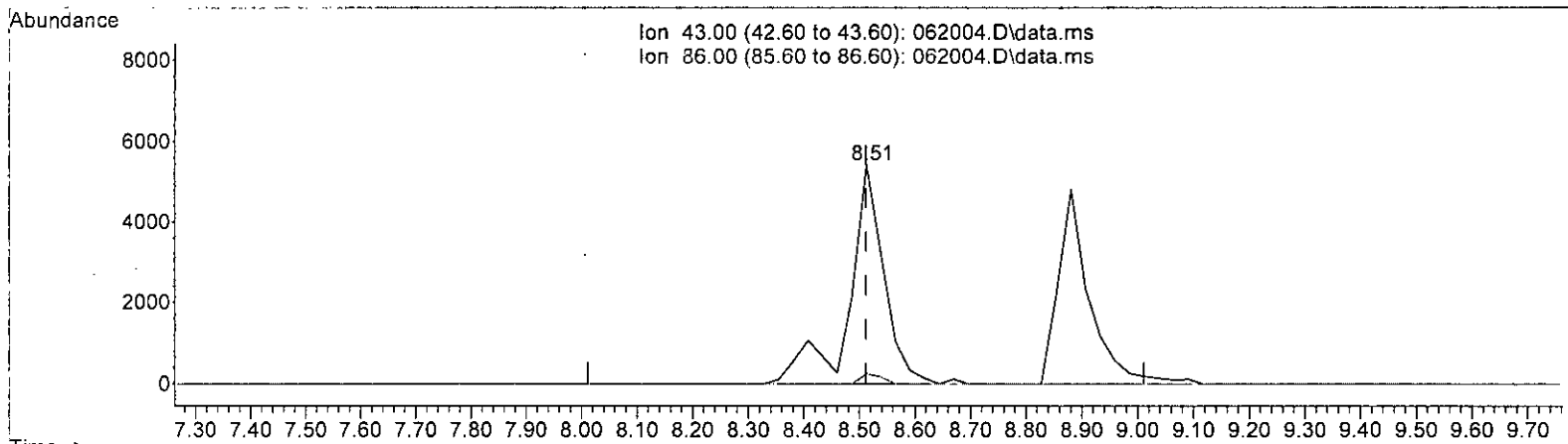
| (13) Acrolein (TMP) | | | |
|---------------------------------|--------|--------|--|
| 5.395min (+ 0.020) 1.916 ppbv m | | | |
| response | 2426 | | |
| Ion | Exp% | Act% | |
| 56.00 | 100.00 | 100.00 | |
| 54.90 | 81.00 | 105.03 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 Ics/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

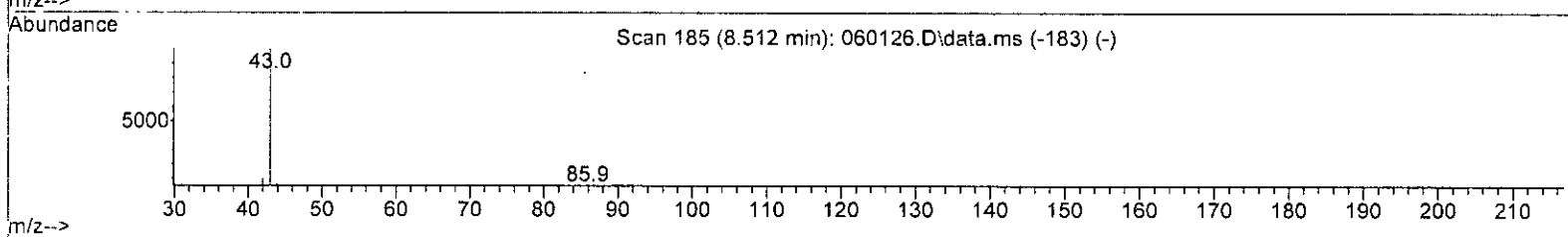
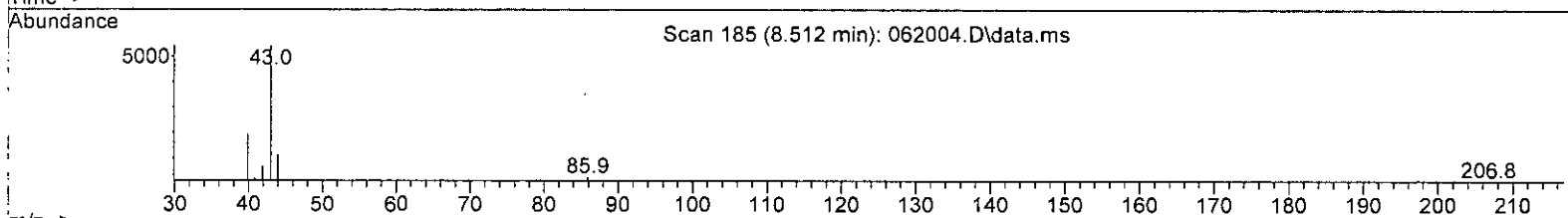
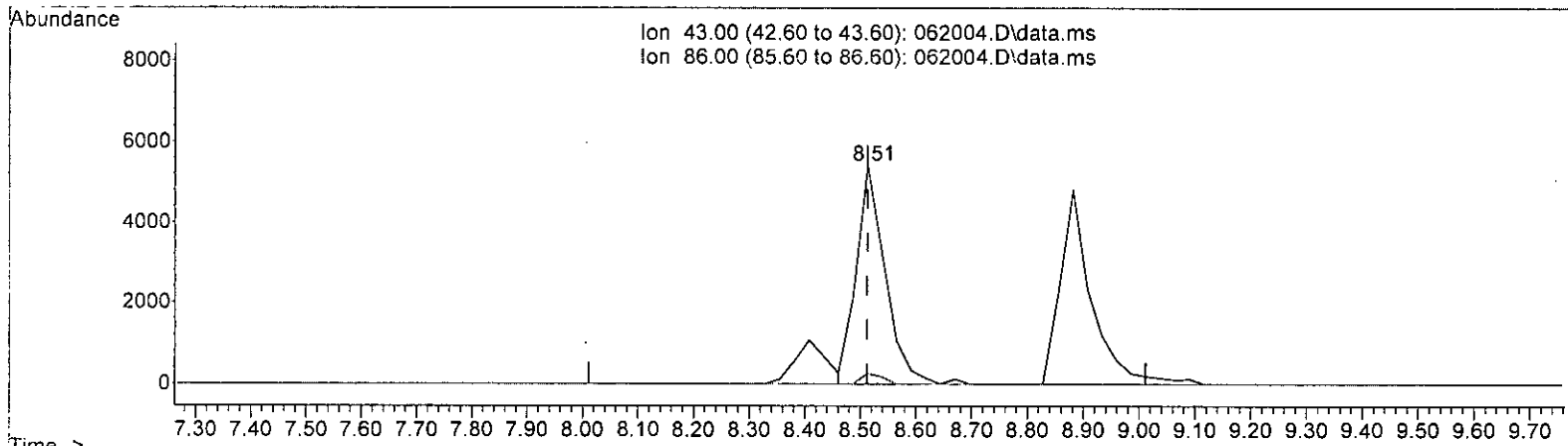
| (26) Vinyl acetate (TMP) | | | |
|--------------------------|------------|--------|--|
| 8.512min (+ 0.000) | 2.862 ppbv | | |
| response | 23640 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 4.56 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

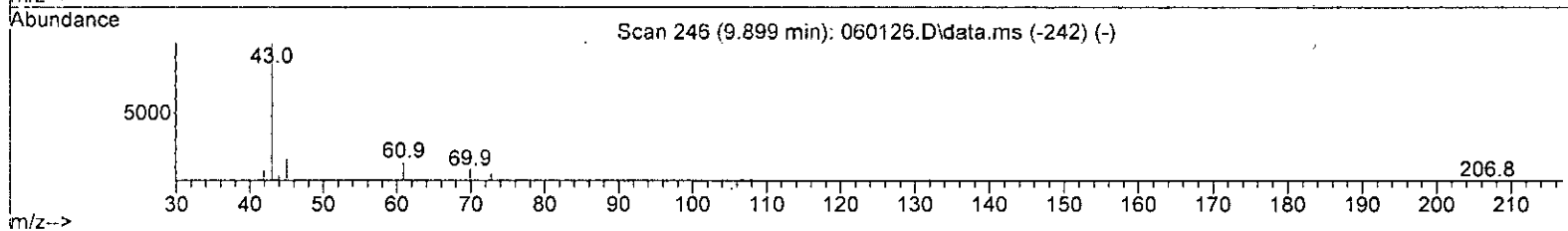
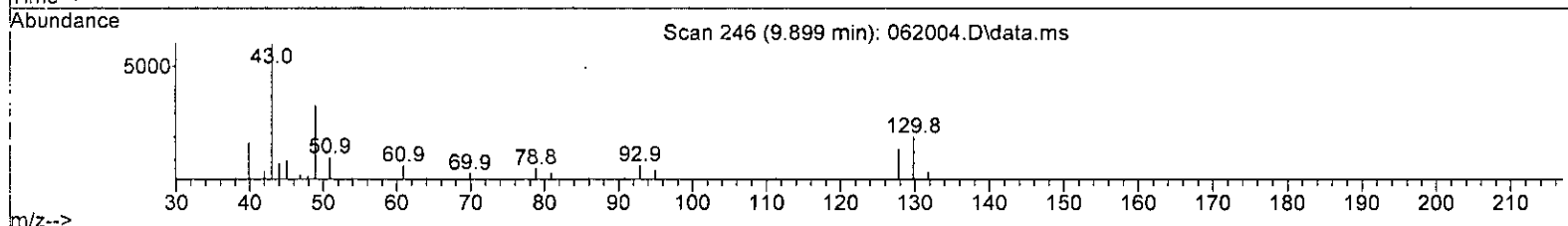
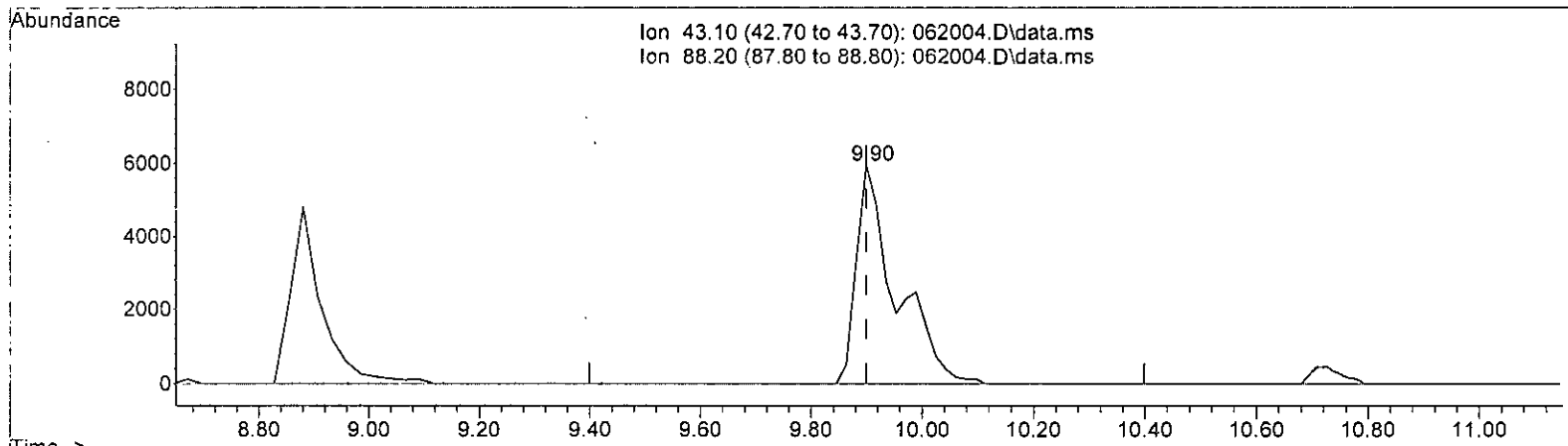
| (26) Vinyl acetate (TMP) | | | |
|--------------------------|--------|--------|---|
| 8.512min (+ 0.000) | 2.333 | ppbv | m |
| response | 19268 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 4.56 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023 .
 Response via : Initial Calibration
 DataAcq Meth:TO1SDC.M



TIC: 062004.D\data.ms

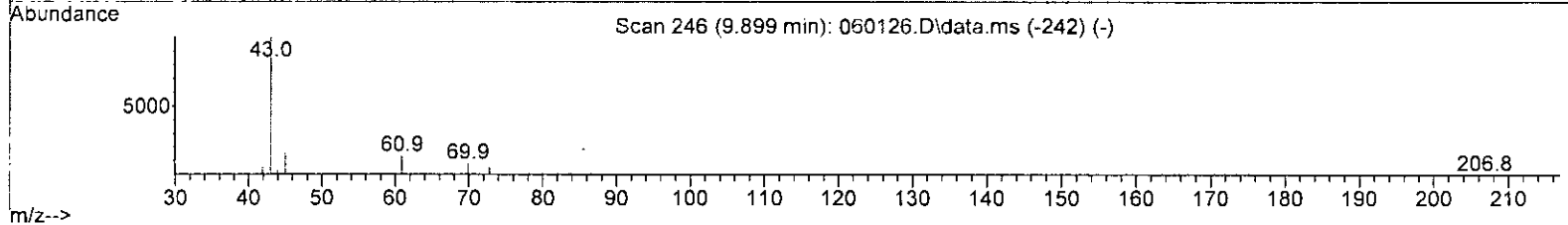
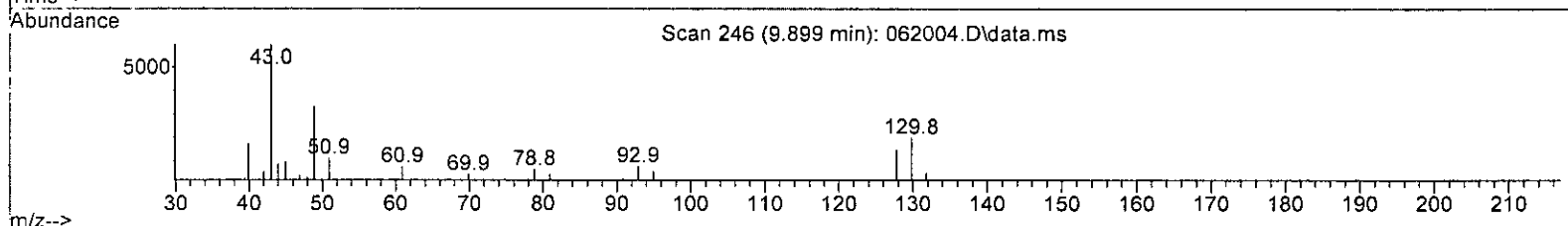
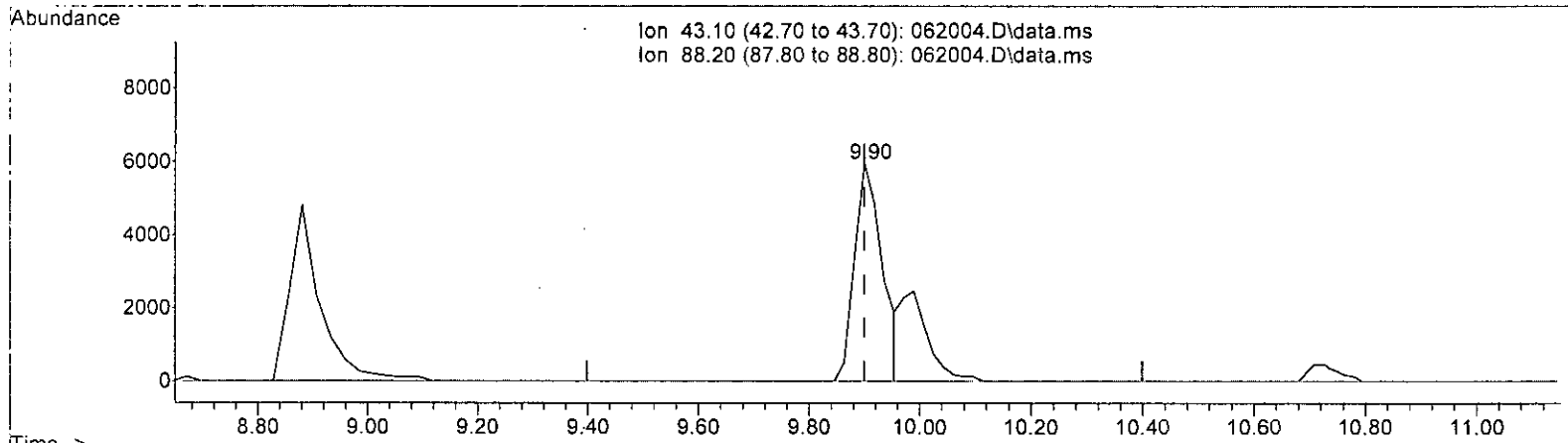
| (31) Ethyl acetate (TMP) | | | |
|--------------------------|------------|--------|--|
| 9.899min (+ 0.000) | 3.886 ppbv | | |
| response | 29139 | | |
| Ion | Exp% | Act% | |
| 43.10 | 100.00 | 100.00 | |
| 88.20 | 1.70 | 0.00# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

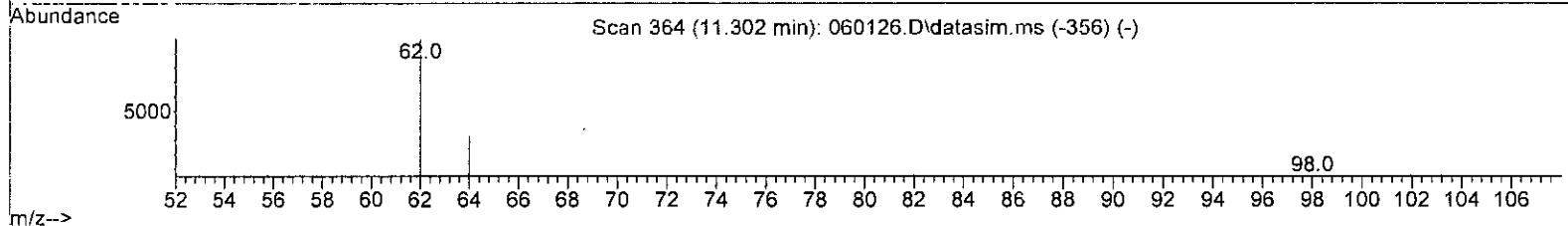
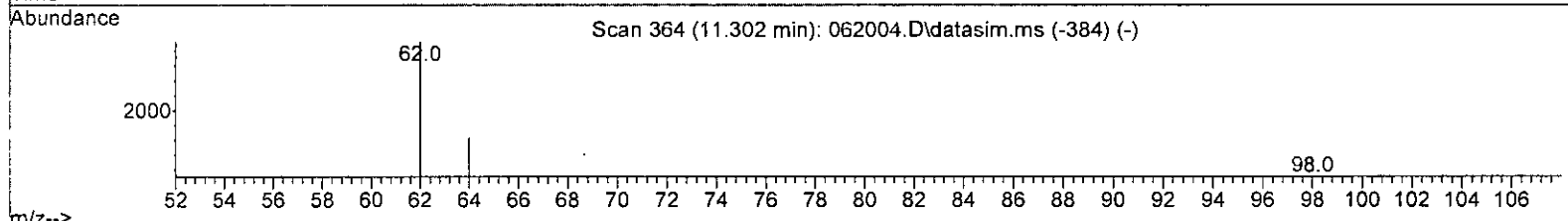
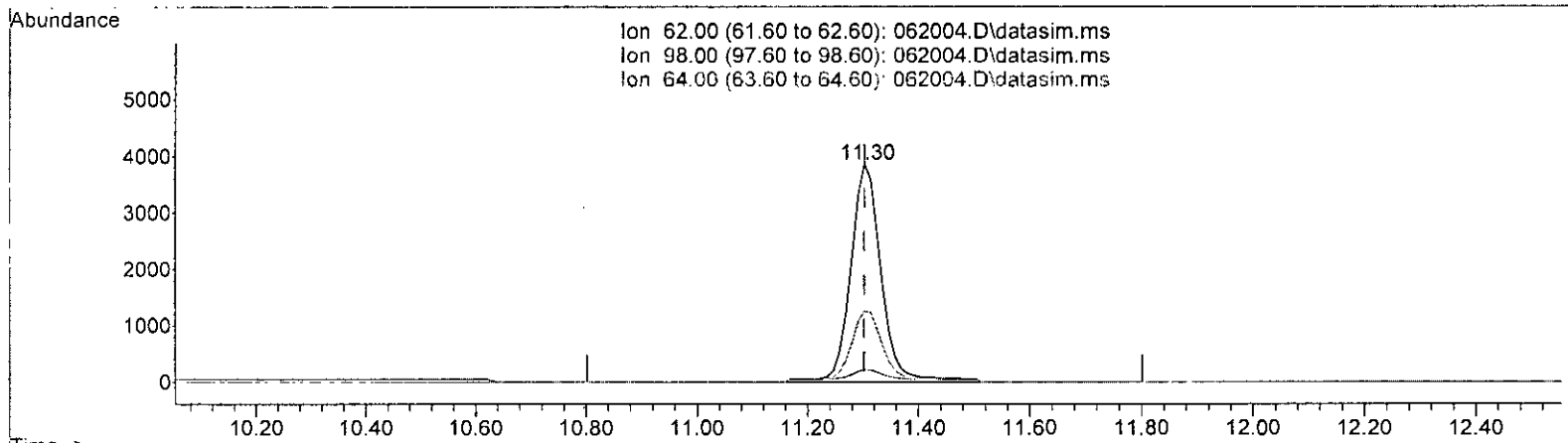
| (31) Ethyl acetate (TMP) | | |
|--------------------------|--------------|--------|
| 9.899min (+ 0.000) | 2.762 ppbv m | |
| response | 20707 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MO 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

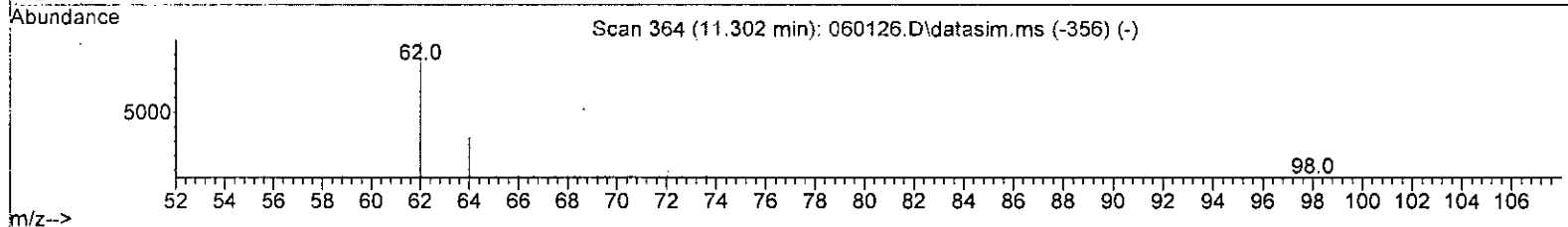
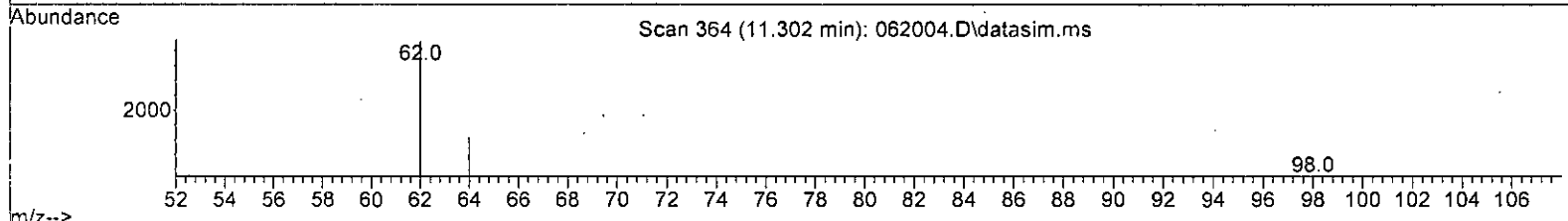
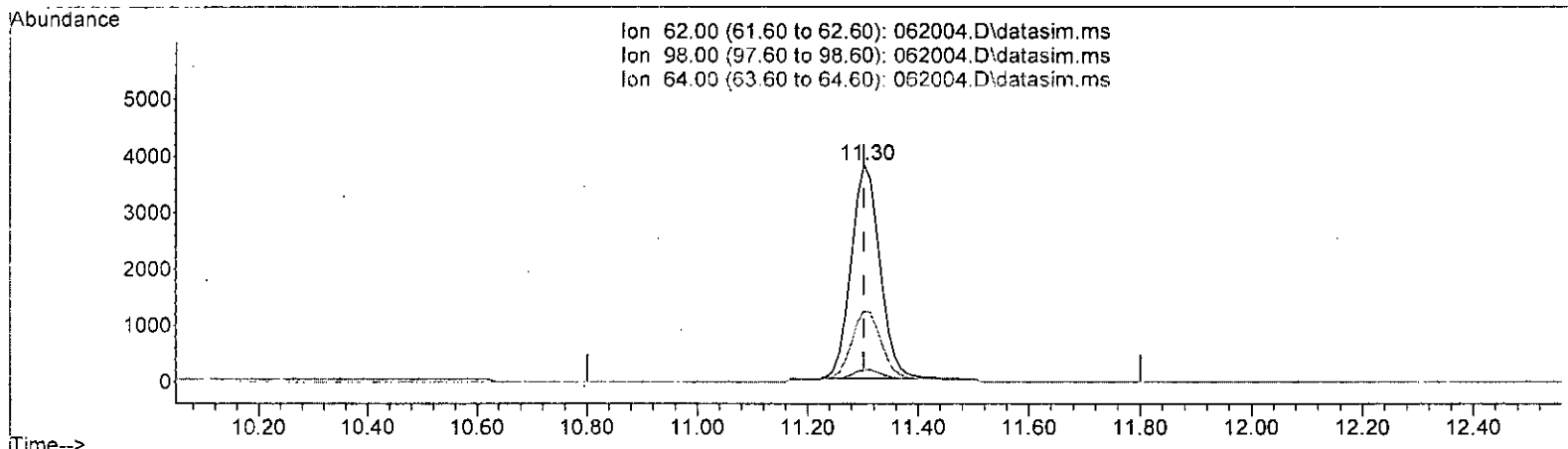
| (34) 1,2-Dichloroethane (EDC) (TMP) | | | |
|-------------------------------------|--------|--------|--|
| 11.302min (+ 0.000) 3.004 ppbv | | | |
| response | 14694 | | |
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 5.60 | |
| 64.00 | 33.00 | 32.64 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.787 ppbv m

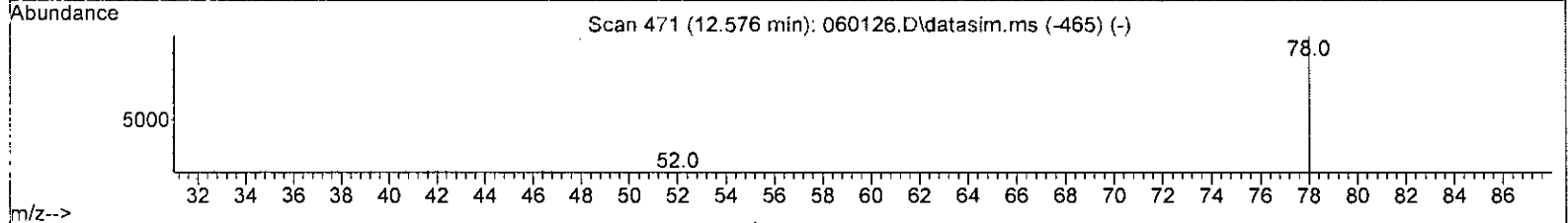
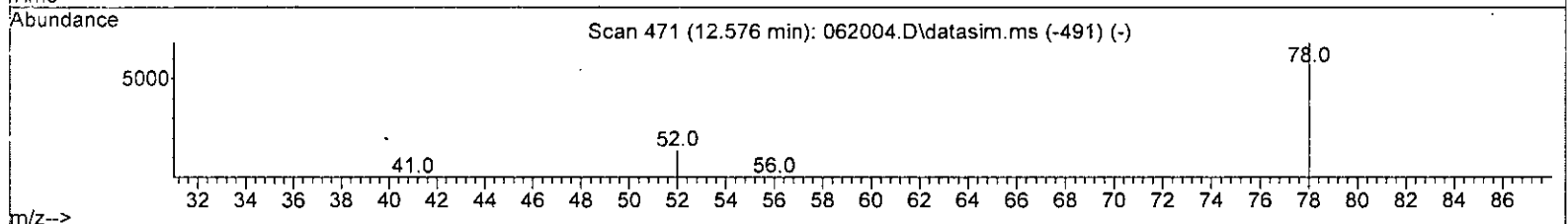
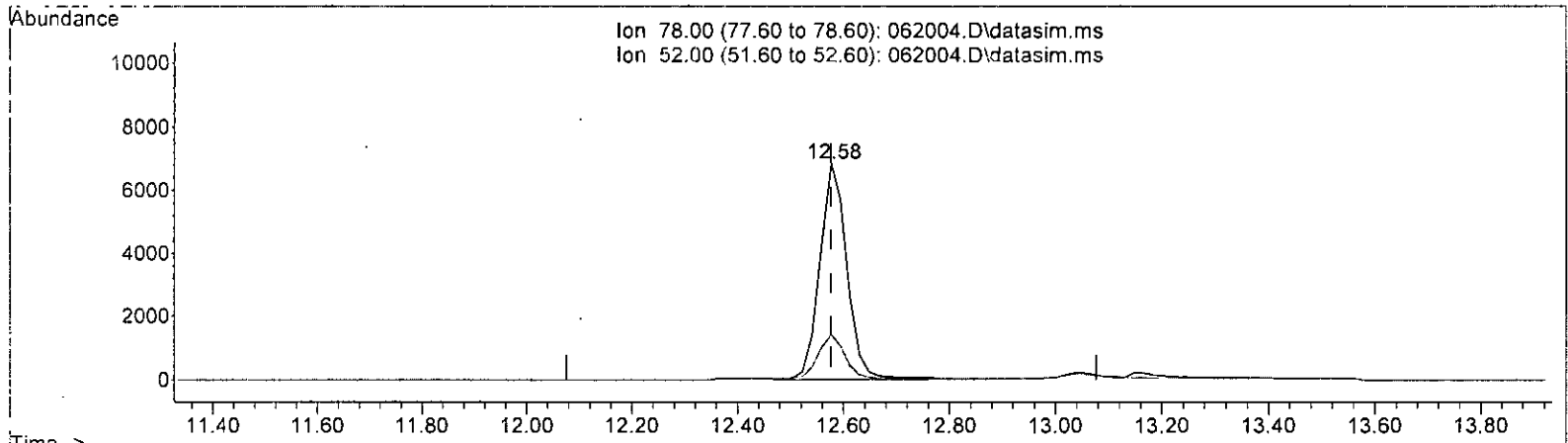
| response | 13634 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.60 |
| 64.00 | 33.00 | 32.64 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

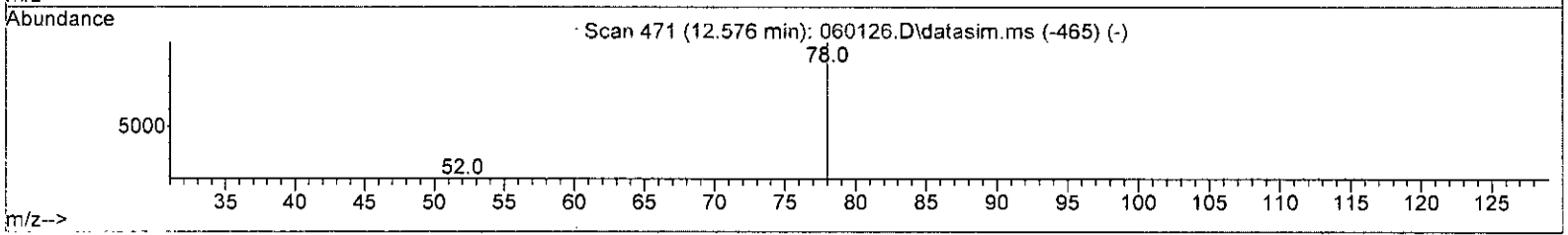
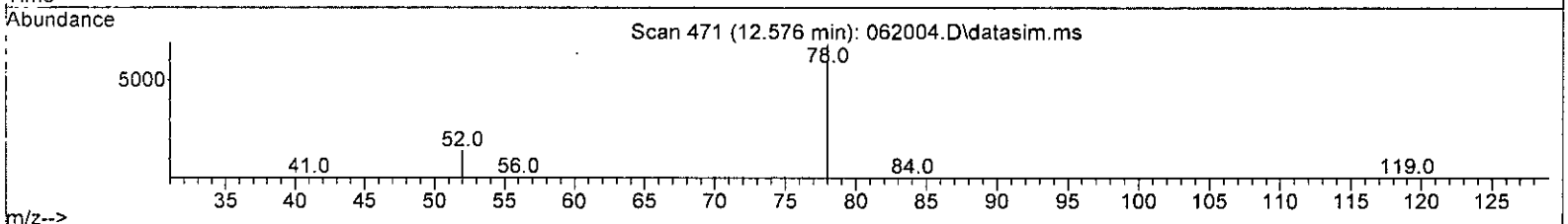
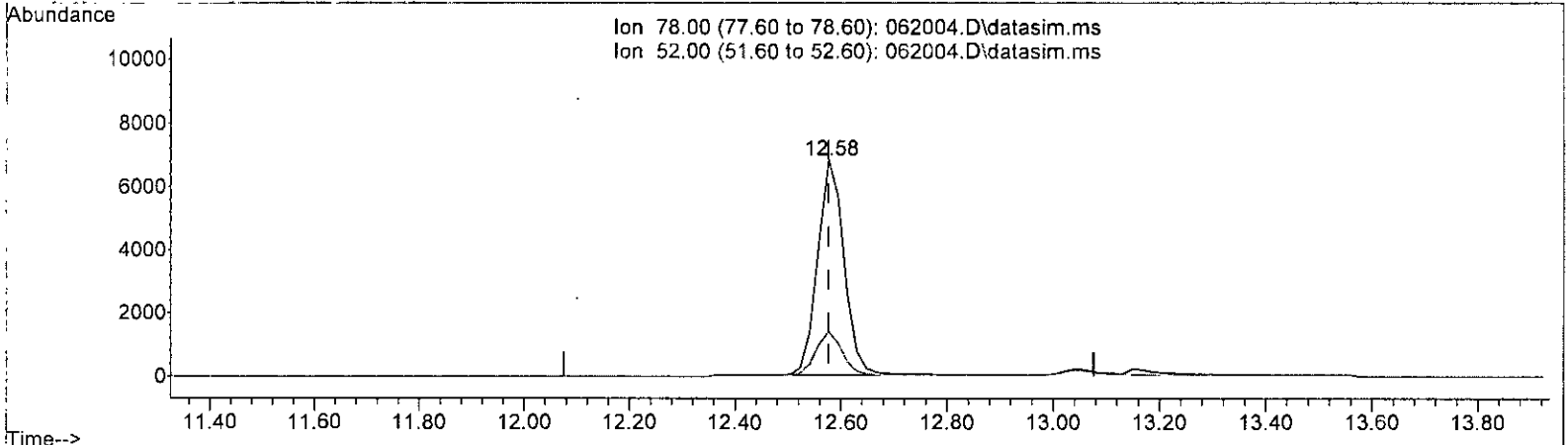
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|--|
| 12.576min (+ 0.000) | 2.320 | ppbv | |
| response | 24168 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 19.91 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

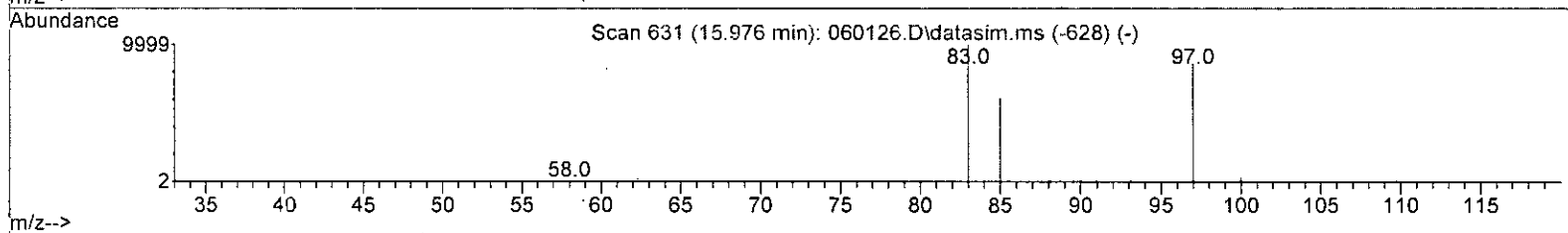
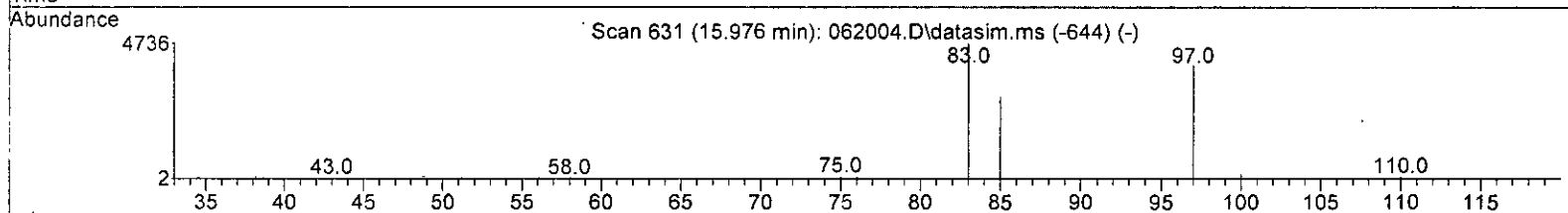
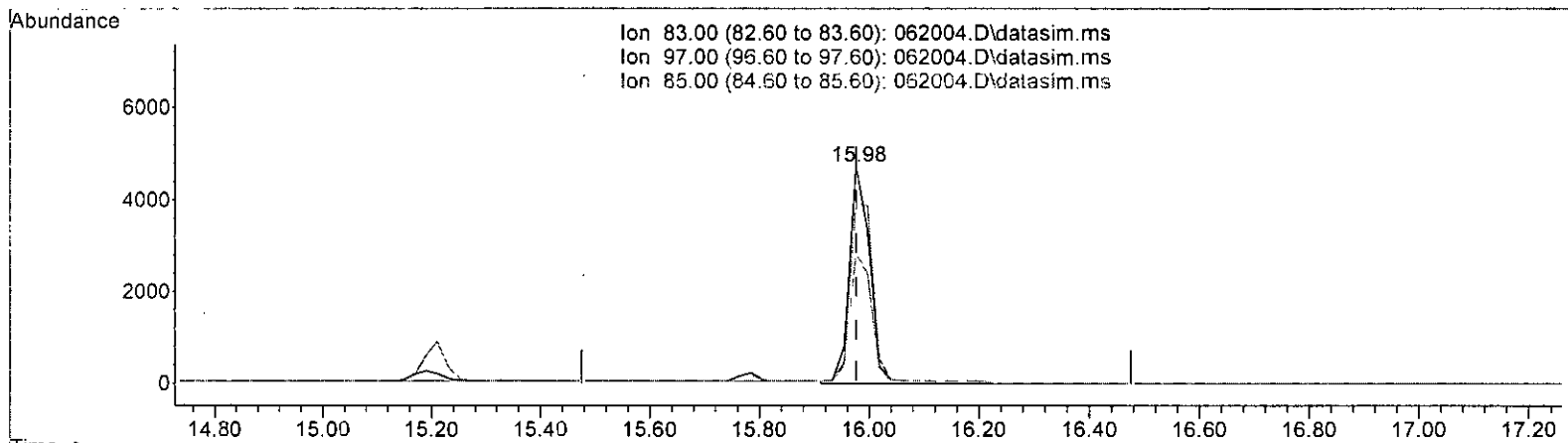
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|---|
| 12.576min (+ 0.000) | 2.246 | ppbv | m |
| response | 23406 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 20.55 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCM57 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062004.D\data.ms

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

15.976min (-0.000) 3.169 ppbv

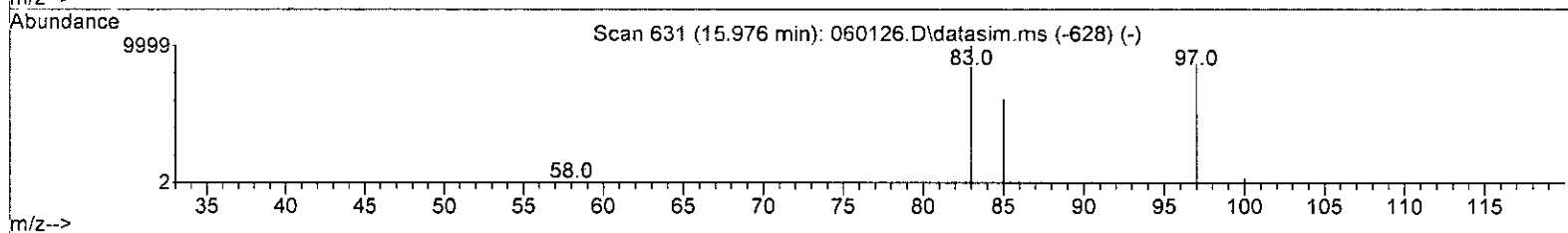
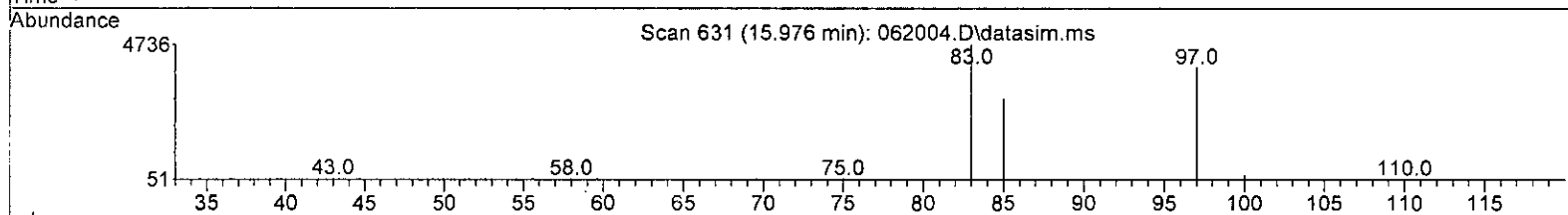
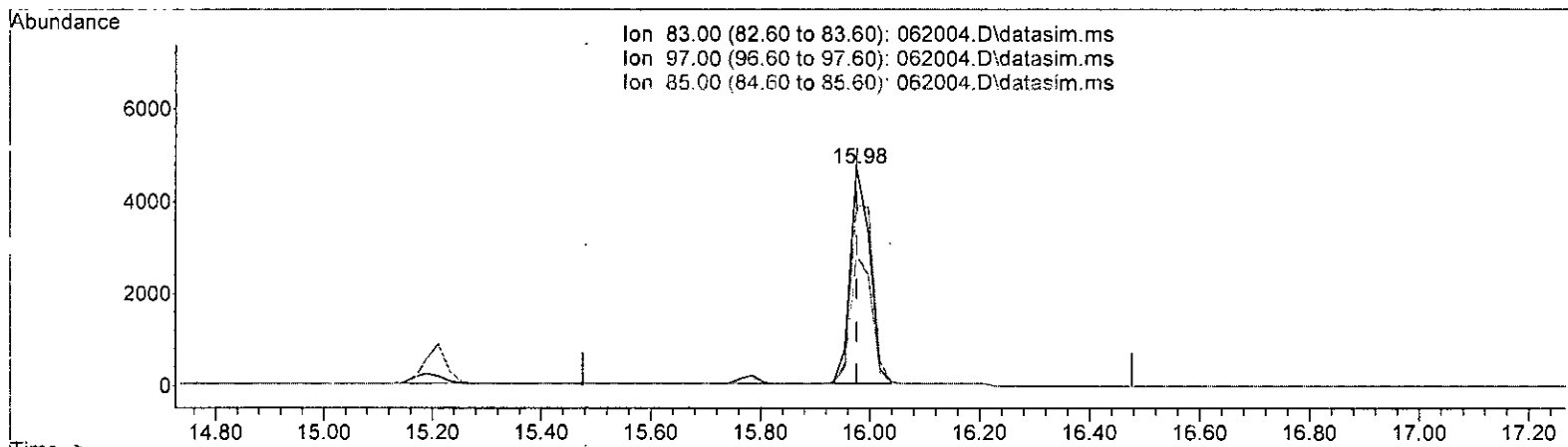
| response | 12791 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 83.11 |
| 85.00 | 60.50 60.10 |
| 0.00 | 0.00 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

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

15.976min (-0.000) 2.848 ppbv m

response 11492

| Ion | Exp% | Act% |
|-------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 97.00 | 81.80 | 83.11 |
| 85.00 | 60.50 | 60.10 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19062 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70380 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65893 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 47117 | 10.088 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 100.90% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 7349 | 2.981 | ppbv | 94 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 24849 | 3.026 | ppbv | 94 |
| 4] Chloromethane | 3.73 | 50 | 8774 | 2.796 | ppbv | 78 |
| 5) F-114 | 3.88 | 85 | 23162 | 2.853 | ppbv | 94 |
| 6] Vinyl chloride | 4.05 | 62 | 10013 | 2.841 | ppbv | 96 |
| 7] 1,3-Butadiene | 4.21 | 54 | 5656 | 2.450 | ppbv # | 94 |
| 8) Butane | 4.32 | 43 | 13271 | 2.852 | ppbv | 85 |
| 9) Bromomethane | 4.60 | 94 | 8933 | 2.950 | ppbv | 85 |
| 10] Chloroethane | 4.80 | 64 | 3698m | 2.831 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 7550m | 2.394 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 3384 | 2.789 | ppbv | 87 |
| 13] Acrolein | 5.39 | 56 | 2426m | 1.916 | ppbv | |
| 14) Pentane | 6.25 | 43 | 12633 | 2.396 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 26374 | 3.098 | ppbv | 97 |
| 16) Acetone | 5.56 | 58 | 4210 | 3.203 | ppbv | 89 |
| 17) 2-Propanol | 5.78 | 45 | 16543 | 2.597 | ppbv # | 99 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 7518 | 2.486 | ppbv | 93 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 7243 | 2.423 | ppbv # | 83 |
| 20) Methylene chloride | 6.78 | 84 | 7790 | 2.752 | ppbv | 89 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 12850 | 2.288 | ppbv # | 58 |
| 22) 3-Chloropropene | 6.94 | 41 | 10708 | 2.592 | ppbv | 94 |
| 23) CFC-113 | 7.15 | 101 | 19117 | 2.953 | ppbv | 96 |
| 24) Carbon disulfide | 7.25 | 76 | 26435 | 2.750 | ppbv | 98 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 14394 | 2.118 | ppbv | 89 |
| 26) Vinyl acetate | 8.51 | 43 | 19268m | 2.333 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 18424 | 2.833 | ppbv | 96 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 7299 | 2.247 | ppbv # | 80 |
| 29) Hexane | 9.99 | 57 | 8364 | 2.120 | ppbv | 69 |
| 30] Chloroform | 10.07 | 83 | 20622 | 2.701 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 20707m | 2.762 | ppbv | |
| 32) Tetrahydrofuran | 10.73 | 42 | 8194 | 2.328 | ppbv | 85 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 2778 | 2.404 | ppbv # | 68 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 13634m | 2.787 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 18415 | 2.778 | ppbv | 95 |
| 36] Carbon tetrachloride | 12.83 | 117 | 18933 | 2.809 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 23406m | 2.246 | ppbv | |
| 38) Cyclohexane | 13.04 | 84 | 5011 | 1.940 | ppbv # | 76 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 12831 | 3.031 | ppbv | 96 |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

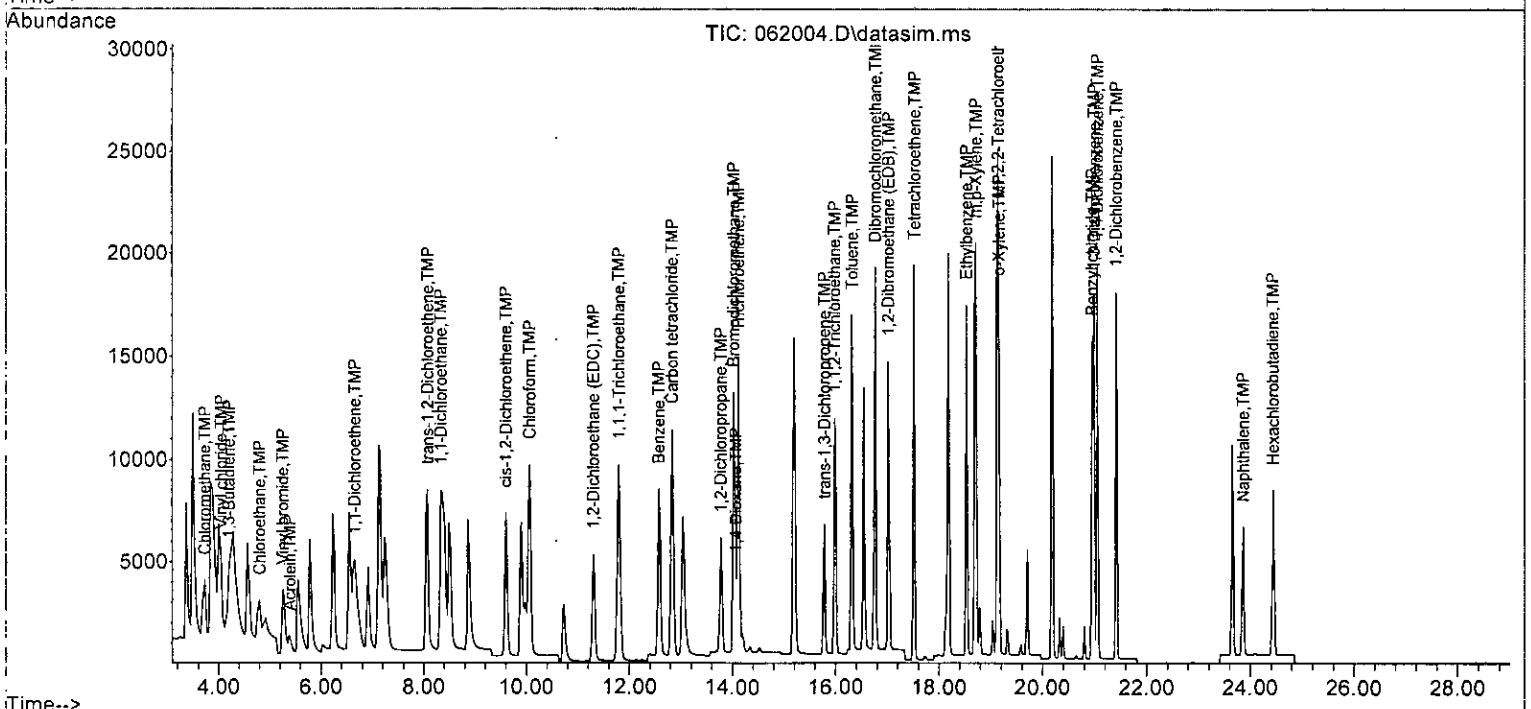
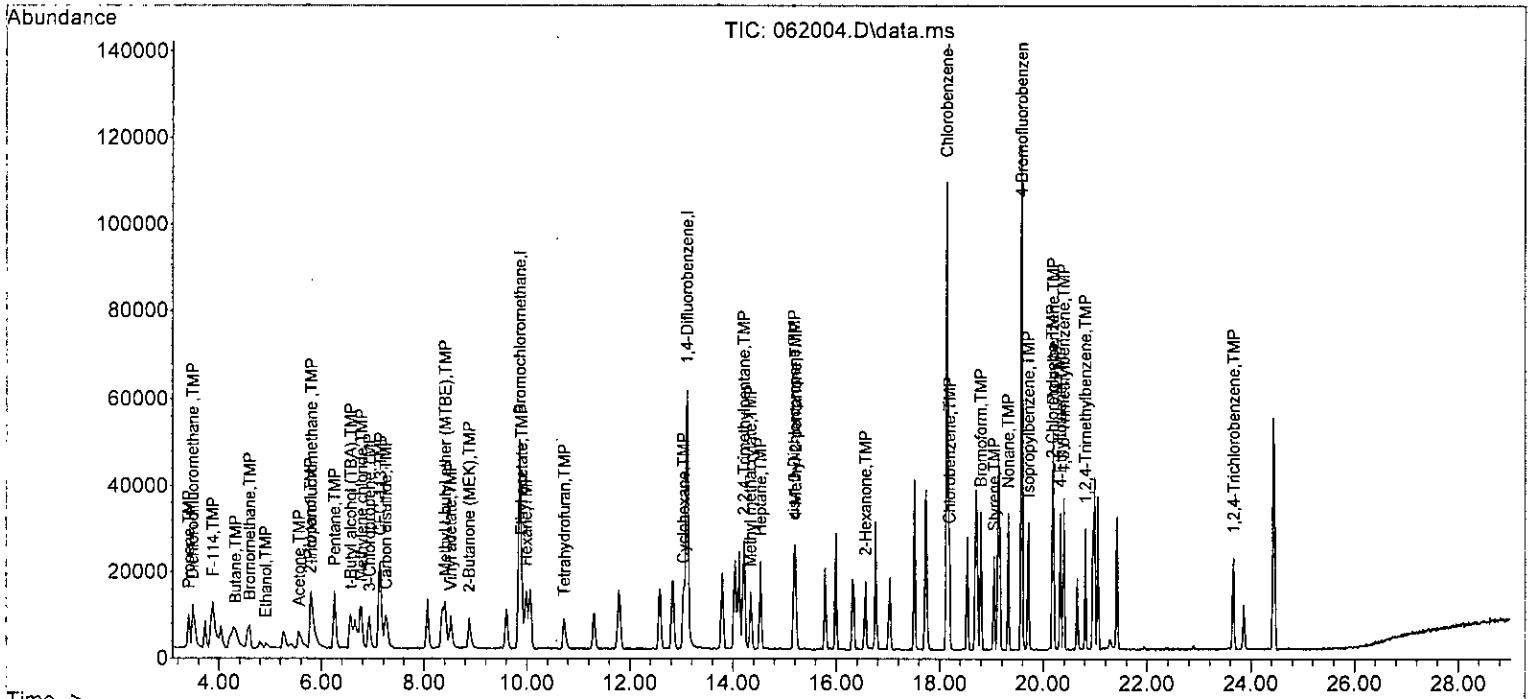
Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 4038 | 2.167 | ppbv | 99 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 31493 | 2.475 | ppbv # | 70 |
| 43) Methyl methacrylate | 14.33 | 41 | 11117 | 2.860 | ppbv # | 84 |
| 44) Heptane | 14.53 | 43 | 11392 | 2.597 | ppbv | 95 |
| 45] Bromodichloromethane | 14.02 | 83 | 21505 | 3.138 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 12030 | 2.781 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 13289 | 2.739 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 586 | 1.777 | ppbv # | 1 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 12623 | 2.582 | ppbv | 93 |
| 50] Toluene | 16.31 | 92 | 13252 | 2.377 | ppbv | 89 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 11492m | 2.848 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 17033 | 2.543 | ppbv | 89 |
| 53] Tetrachloroethene | 17.52 | 164 | 9457 | 2.766 | ppbv | 94 |
| 54] Dibromochloromethane | 16.76 | 129 | 19693 | 2.964 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 17706 | 2.697 | ppbv | 83 |
| 57) Chlorobenzene | 18.19 | 112 | 17841 | 2.531 | ppbv | 97 |
| 58] Ethylbenzene | 18.53 | 91 | 23609 | 2.062 | ppbv | 99 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 27942 | 2.769 | ppbv | 92 |
| 60) Nonane | 19.32 | 43 | 12176 | 2.462 | ppbv # | 91 |
| 61) Isopropylbenzene | 19.72 | 105 | 22630 | 2.294 | ppbv | 97 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 5974 | 2.259 | ppbv | 89 |
| 63) Propylbenzene | 20.19 | 91 | 45872 | 2.306 | ppbv | 97 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 20315 | 2.100 | ppbv | 100 |
| 65] m,p-Xylene | 18.70 | 106 | 16038 | 3.923 | ppbv | 100 |
| 66] o-Xylene | 19.15 | 106 | 7535 | 2.171 | ppbv | 95 |
| 67) Styrene | 19.05 | 104 | 10744 | 2.126 | ppbv | 96 |
| 68) Bromoform | 18.80 | 173 | 18666 | 3.013 | ppbv | 98 |
| 70] Benzyl chloride | 20.95 | 91 | 22911 | 2.570 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 19119 | 2.189 | ppbv | 99 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 15700 | 2.035 | ppbv | 93 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 17572 | 2.533 | ppbv | 89 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 15653 | 2.405 | ppbv | 92 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 16346 | 2.438 | ppbv | 96 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 10332 | 1.965 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 13284 | 1.597 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 18269 | 2.515 | ppbv | 96 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Bromochloromethane | 10.000 | 10.000 | 0.0 | 93 | 0.00 |
| 2 TMP | Propene | 2.500 | 2.981 | -19.2 | 105 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 2.500 | 3.026 | -21.0 | 90 | 0.00 |
| 4 TMP | Chloromethane | 2.500 | 2.796 | -11.8 | 93 | 0.04 |
| 5 TMP | F-114 | 2.500 | 2.853 | -14.1 | 87 | 0.00 |
| 6 TMP | Vinyl chloride | 2.500 | 2.841 | -13.6 | 92 | 0.04 |
| 7 TMP | 1,3-Butadiene | 2.500 | 2.450 | 2.0 | 82 | 0.00 |
| 8 TMP | Butane | 2.500 | 2.852 | -14.1 | 92 | 0.04 |
| 9 TMP | Bromomethane | 2.500 | 2.950 | -18.0 | 90 | 0.04 |
| 10 TMP | Chloroethane | 2.500 | 2.831 | -13.2 | 93 | 0.00 |
| 11 TMP | Vinyl bromide | 2.500 | 2.394 | 4.2 | 78 | 0.00 |
| 12 TMP | Ethanol | 2.500 | 2.789 | -11.6 | 83 | -0.04 |
| 13 TMP | Acrolein | 2.500 | 1.916 | 23.4 | 71 | 0.02 |
| 14 TMP | Pentane | 2.500 | 2.396 | 4.2 | 81 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 2.500 | 3.098 | -23.9 | 91 | -0.02 |
| 16 TMP | Acetone | 2.500 | 3.203 | -28.1 | 105 | 0.02 |
| 17 TMP | 2-Propanol | 2.500 | 2.597 | -3.9 | 82 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 2.500 | 2.486 | 0.6 | 83 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 2.500 | 2.423 | 3.1 | 80 | 0.00 |
| 20 TMP | Methylene chloride | 2.500 | 2.752 | -10.1 | 90 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.500 | 2.288 | 8.5 | 75 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.500 | 2.592 | -3.7 | 86 | 0.00 |
| 23 TMP | CFC-113 | 2.500 | 2.953 | -18.1 | 91 | 0.00 |
| 24 TMP | Carbon disulfide | 2.500 | 2.750 | -10.0 | 89 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 2.500 | 2.118 | 15.3 | 68 | 0.00 |
| 26 TMP | Vinyl acetate | 2.500 | 2.333 | 6.7 | 78 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 2.500 | 2.833 | -13.3 | 93 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 2.500 | 2.247 | 10.1 | 76 | 0.00 |
| 29 TMP | Hexane | 2.500 | 2.120 | 15.2 | 68 | 0.00 |
| 30 TMP | Chloroform | 2.500 | 2.701 | -8.0 | 91 | 0.00 |
| 31 TMP | Ethyl acetate | 2.500 | 2.762 | -10.5 | 91 | 0.00 |
| 32 TMP | Tetrahydrofuran | 2.500 | 2.328 | 6.9 | 77 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 2.500 | 2.404 | 3.8 | 81 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.500 | 2.787 | -11.5 | 94 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 2.500 | 2.778 | -11.1 | 90 | 0.00 |
| 36 TMP | Carbon tetrachloride | 2.500 | 2.809 | -12.4 | 91 | 0.00 |
| 37 TMP | Benzene | 2.500 | 2.246 | 10.2 | 78 | 0.00 |
| 38 TMP | Cyclohexane | 2.500 | 1.940 | 22.4 | 62 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 81 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 2.500 | 3.031 | -21.2 | 90 | 0.00 |
| 41 TMP | 1,4-Dioxane | 2.500 | 2.167 | 13.3 | 65 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 2.500 | 2.475 | 1.0 | 71 | 0.00 |
| 43 TMP | Methyl methacrylate | 2.500 | 2.860 | -14.4 | 84 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 2.500 | 2.597 | -3.9 | 77 | 0.00 |
| 45 TMP Bromodichloromethane | 2.500 | 3.138 | -25.5 | 91 | 0.00 |
| 46 TMP Trichloroethene | 2.500 | 2.781 | -11.2 | 82 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 2.500 | 2.739 | -9.6 | 79 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 2.500 | 1.777 | 28.9 | 54 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 2.500 | 2.582 | -3.3 | 78 | 0.00 |
| 50 TMP Toluene | 2.500 | 2.377 | 4.9 | 76 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 2.500 | 2.848 | -13.9 | 87 | 0.00 |
| 52 TMP 2-Hexanone | 2.500 | 2.543 | -1.7 | 78 | 0.00 |
| 53 TMP Tetrachloroethene | 2.500 | 2.766 | -10.6 | 77 | 0.00 |
| 54 TMP Dibromochloromethane | 2.500 | 2.964 | -18.6 | 88 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.697 | -7.9 | 82 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 85 | 0.00 |
| 57 TMP Chlorobenzene | 2.500 | 2.531 | -1.2 | 75 | 0.02 |
| 58 TMP Ethylbenzene | 2.500 | 2.062 | 17.5 | 66 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.769 | -10.8 | 87 | 0.00 |
| 60 TMP Nonane | 2.500 | 2.462 | 1.5 | 75 | 0.00 |
| 61 TMP Isopropylbenzene | 2.500 | 2.294 | 8.2 | 71 | 0.00 |
| 62 TMP 2-Chlorotoluene | 2.500 | 2.259 | 9.6 | 70 | 0.00 |
| 63 TMP Propylbenzene | 2.500 | 2.306 | 7.8 | 71 | 0.00 |
| 64 TMP 4-Ethyltoluene | 2.500 | 2.100 | 16.0 | 66 | 0.00 |
| 65 TMP m,p-Xylene | 5.000 | 3.923 | 21.5 | 65 | 0.00 |
| 66 TMP o-Xylene | 2.500 | 2.171 | 13.2 | 68 | 0.00 |
| 67 TMP Styrene | 2.500 | 2.126 | 15.0 | 65 | 0.00 |
| 68 TMP Bromoform | 2.500 | 3.013 | -20.5 | 96 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.088 | -0.9 | 85 | 0.00 |
| 70 TMP Benzyl chloride | 2.500 | 2.570 | -2.8 | 79 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 2.500 | 2.189 | 12.4 | 68 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 2.500 | 2.035 | 18.6 | 62 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 2.500 | 2.533 | -1.3 | 78 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 2.500 | 2.405 | 3.8 | 75 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 2.500 | 2.438 | 2.5 | 75 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 2.500 | 1.965 | 21.4 | 65 | 0.00 |
| 77 TMP Naphthalene | 2.500 | 1.597 | 36.1# | 55 | 0.00 |
| 78 TMP Hexachlorobutadiene | 2.500 | 2.515 | -0.6 | 78 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 2 TMP | Propene | 1.293 | 1.542 | -19.3 | 105 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 4.308 | 5.214 | -21.0 | 90 | 0.00 |
| 4 TMP | Chloromethane | 1.646 | 1.841 | -11.8 | 93 | 0.04 |
| 5 TMP | F-114 | 4.259 | 4.860 | -14.1 | 87 | 0.00 |
| 6 TMP | Vinyl chloride | 1.849 | 2.101 | -13.6 | 92 | 0.04 |
| 7 TMP | 1,3-Butadiene | 1.211 | 1.187 | 2.0 | 82 | 0.00 |
| 8 TMP | Butane | 2.441 | 2.785 | -14.1 | 92 | 0.04 |
| 9 TMP | Bromomethane | 1.588 | 1.875 | -18.1 | 90 | 0.04 |
| 10 TMP | Chloroethane | 0.685 | 0.776 | -13.3 | 93 | 0.00 |
| 11 TMP | Vinyl bromide | 1.655 | 1.584 | 4.3 | 78 | 0.00 |
| 12 TMP | Ethanol | 0.637 | 0.710 | -11.5 | 83 | -0.04 |
| 13 TMP | Acrolein | 0.664 | 0.509 | 23.3 | 71 | 0.02 |
| 14 TMP | Pentane | 2.765 | 2.651 | 4.1 | 81 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 4.466 | 5.534 | -23.9 | 91 | -0.02 |
| 16 TMP | Acetone | 0.689 | 0.883 | -28.2 | 105 | 0.02 |
| 17 TMP | 2-Propanol | 3.342 | 3.471 | -3.9 | 82 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 1.587 | 1.578 | 0.6 | 83 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 1.568 | 1.520 | 3.1 | 80 | 0.00 |
| 20 TMP | Methylene chloride | 1.485 | 1.635 | -10.1 | 90 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.946 | 2.696 | 8.5 | 75 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.167 | 2.247 | -3.7 | 86 | 0.00 |
| 23 TMP | CFC-113 | 3.396 | 4.012 | -18.1 | 91 | 0.00 |
| 24 TMP | Carbon disulfide | 5.043 | 5.547 | -10.0 | 89 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 3.565 | 3.020 | 15.3 | 68 | 0.00 |
| 26 TMP | Vinyl acetate | 4.333 | 4.043 | 6.7 | 78 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 3.411 | 3.866 | -13.3 | 93 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 1.704 | 1.532 | 10.1 | 76 | 0.00 |
| 29 TMP | Hexane | 2.070 | 1.755 | 15.2 | 68 | 0.00 |
| 30 TMP | Chloroform | 4.005 | 4.327 | -8.0 | 91 | 0.00 |
| 31 TMP | Ethyl acetate | 3.933 | 4.345 | -10.5 | 91 | 0.00 |
| 32 TMP | Tetrahydrofuran | 1.847 | 1.719 | 6.9 | 77 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 0.606 | 0.583 | 3.8 | 81 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.566 | 2.861 | -11.5 | 94 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 3.477 | 3.864 | -11.1 | 90 | 0.00 |
| 36 TMP | Carbon tetrachloride | 3.536 | 3.973 | -12.4 | 91 | 0.00 |
| 37 TMP | Benzene | 5.466 | 4.912 | 10.1 | 78 | 0.00 |
| 38 TMP | Cyclohexane | 1.355 | 1.052 | 22.4 | 62 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 0.601 | 0.729 | -21.3 | 90 | 0.00 |
| 41 TMP | 1,4-Dioxane | 0.265 | 0.229 | 13.6 | 65 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 1.808 | 1.790 | 1.0 | 71 | 0.00 |
| 43 TMP | Methyl methacrylate | 0.552 | 0.632 | -14.5 | 84 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.647 | -3.9 | 77 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.222 | -25.5 | 91 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.684 | -11.2 | 82 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.755 | -9.6 | 79 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.033 | 29.8 | 54# | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.717 | -3.2 | 78 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.753 | 4.9 | 76 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.653 | -14.0 | 87 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.968 | -1.7 | 78 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.537 | -10.5 | 77 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 1.119 | -18.5 | 88 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.006 | -7.8 | 82 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.083 | -1.2 | 75 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.433 | 17.5 | 66 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.696 | -10.8 | 87 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.739 | 1.5 | 75 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.374 | 8.2 | 71 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.363 | 9.5 | 70 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 2.785 | 7.8 | 71 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.233 | 16.0 | 66 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.487 | 21.5 | 65 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.457 | 13.3 | 68 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.652 | 15.0 | 65 | 0.00 |
| 68 TMP Bromoform | 0.940 | 1.133 | -20.5 | 96 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.715 | -0.8 | 85 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.391 | -2.8 | 79 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.161 | 12.4 | 68 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.953 | 18.6 | 62 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.067 | -1.3 | 78 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.950 | 3.8 | 75 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.992 | 2.5 | 75 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.627 | 21.4 | 65 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.806 | 34.4# | 55# | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.109 | -0.5 | 78 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

EPA TO-15
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : D:\GCMS7 Methods\0601TO15ss7.M (RTE Integrator)
 Title : TO-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration

Non-Spiked Sample: 061612.D

| Spike Sample | Spike Duplicate Sample |
|---|---------------------------|
| File ID : 061604.D | 061604.D |
| Sample : 03-1448 lcs/ 2.5 ppbv 96-62a 96-62a | 03-1448 lcs/ 2.5 ppbv |
| Acq Time: 16 Jun 2023 11:12 am | 16 Jun 2023 11:12 am |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits | |
|----------------------|----------------|----------------|--------------|------------|---------------|-------------|-----|-----------|--------|
| | | | | | | | | RPD | % Rec |
| Eropene | 0.0 | 3 | 3 | 3 | 120 | 120 | 0 | 20 | 70-130 |
| Dichlorodifluorometh | 0.0 | 3 | 3 | 3 | 125 | 125 | 0 | 20 | 70-130 |
| Chloromethane | 0.0 | 3 | 3 | 3 | 116 | 116 | 0 | 20 | 70-130 |
| F-114 | 0.0 | 3 | 3 | 3 | 123 | 123 | 0 | 20 | 70-130 |
| Vinyl chloride | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| 1,3-Butadiene | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| Butane | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| Bromomethane | 0.0 | 3 | 3 | 3 | 122 | 122 | 0 | 20 | 70-130 |
| Chloroethane | 0.0 | 3 | 3 | 3 | 117 | 117 | 0 | 20 | 70-130 |
| Vinyl bromide | 0.0 | 3 | 3 | 3 | 102 | 102 | 0 | 20 | 70-130 |
| Ethanol | 0.0 | 3 | 3 | 3 | 133# | 133# | 0 | 20 | 70-130 |
| Acrolein | 0.0 | 3 | 2 | 2 | 90 | 90 | 0 | 20 | 70-130 |
| Pentane | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| Trichlorofluorometha | 0.0 | 3 | 3 | 3 | 129 | 129 | 0 | 20 | 70-130 |
| Acetone | 0.0 | 3 | 3 | 3 | 116 | 116 | 0 | 20 | 70-130 |
| 2-Propanol | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| 1,1-Dichloroethene | 0.0 | 3 | 3 | 3 | 105 | 105 | 0 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 3 | 3 | 3 | 102 | 102 | 0 | 20 | 70-130 |
| Methylene chloride | 0.0 | 3 | 3 | 3 | 117 | 117 | 0 | 20 | 70-130 |
| t-Butyl alcohol (TBA | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| 3-Chloropropene | 0.0 | 3 | 3 | 3 | 109 | 109 | 0 | 20 | 70-130 |
| CFC-113 | 0.0 | 3 | 3 | 3 | 119 | 119 | 0 | 20 | 70-130 |
| Carbon disulfide | 0.0 | 3 | 3 | 3 | 115 | 115 | 0 | 20 | 70-130 |
| Methyl t-butyl ether | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| Vinyl acetate | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 3 | 3 | 3 | 118 | 118 | 0 | 20 | 70-130 |
| cis-1,2-Dichloroethe | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| Hexane | 0.0 | 3 | 2 | 2 | 91 | 91 | 0 | 20 | 70-130 |
| Chloroform | 0.0 | 3 | 3 | 3 | 113 | 113 | 0 | 20 | 70-130 |
| Ethyl acetate | 0.0 | 3 | 3 | 3 | 115 | 115 | 0 | 20 | 70-130 |
| Tetrahydrofuran | 0.0 | 3 | 3 | 3 | 102 | 102 | 0 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.0 | 3 | 3 | 3 | 101 | 101 | 0 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 3 | 3 | 3 | 118 | 118 | 0 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 3 | 3 | 3 | 115 | 115 | 0 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 3 | 3 | 3 | 116 | 116 | 0 | 20 | 70-130 |
| Benzene | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |

| | | | | | | | | | |
|----------------------|-----|---|---|---|-----|-----|---|----|--------|
| Cyclohexane | 0.1 | 3 | 2 | 2 | 84 | 84 | 0 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 3 | 3 | 3 | 122 | 122 | 0 | 20 | 70-130 |
| 1,4-Dioxane | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| 2,2,4-Trimethylpenta | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| Methyl methacrylate | 0.0 | 3 | 3 | 3 | 118 | 118 | 0 | 20 | 70-130 |
| Heptane | 0.0 | 3 | 3 | 3 | 109 | 109 | 0 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 3 | 3 | 3 | 127 | 127 | 0 | 20 | 70-130 |
| Trichloroethene | 0.0 | 3 | 3 | 3 | 117 | 117 | 0 | 20 | 70-130 |
| cis-1,3-Dichloroprop | 0.0 | 3 | 3 | 3 | 116 | 116 | 0 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| Toluene | 0.1 | 3 | 2 | 2 | 87 | 87 | 0 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 3 | 3 | 3 | 120 | 120 | 0 | 20 | 70-130 |
| 2-Hexanone | 0.0 | 3 | 3 | 3 | 117 | 117 | 0 | 20 | 70-130 |
| Tetrachloroethene | 0.0 | 3 | 3 | 3 | 111 | 111 | 0 | 20 | 70-130 |
| Dibromochloromethane | 0.0 | 3 | 3 | 3 | 116 | 116 | 0 | 20 | 70-130 |
| 1,2-Dibromoethane (E | 0.0 | 3 | 3 | 3 | 112 | 112 | 0 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 3 | 2 | 2 | 87 | 87 | 0 | 20 | 70-130 |
| 1,1,2,2-Tetrachloroe | 0.0 | 3 | 3 | 3 | 117 | 117 | 0 | 20 | 70-130 |
| Nonane | 0.0 | 3 | 3 | 3 | 105 | 105 | 0 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| 2-Chlorotoluene | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| Propylbenzene | 0.0 | 3 | 3 | 3 | 101 | 101 | 0 | 20 | 70-130 |
| 4-Ethyltoluene | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 5 | 4 | 4 | 84 | 84 | 0 | 20 | 70-130 |
| o-Xylene | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| Styrene | 0.0 | 3 | 2 | 2 | 89 | 89 | 0 | 20 | 70-130 |
| Bromoform | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| Benzyl chloride | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 3 | 2 | 2 | 99 | 99 | 0 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 3 | 2 | 2 | 91 | 91 | 0 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 3 | 3 | 3 | 103 | 103 | 0 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 3 | 3 | 3 | 106 | 106 | 0 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.0 | 3 | 2 | 2 | 85 | 85 | 0 | 20 | 70-130 |
| Naphthalene | 0.0 | 3 | 2 | 2 | 73 | 73 | 0 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 3 | 3 | 3 | 106 | 106 | 0 | 20 | 70-130 |

- Fails Limit Check

0601TO15ss7.M

Mon Jun 19 21:05:52 2023

Spike Recovery and RPD Summary Report - WATER

Method : V:\GCMS7 Methods\0601T015ss7.M (RTE Integrator)
 Title : TO-15 SS method
 Last Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration

Non-Spiked Sample: 062012.D

| Spike Sample | Spike Duplicate Sample |
|---------------------------------------|------------------------------|
| File ID : 062004.D | 062004.D |
| Sample : 03-1454 lcs/ 2.5 ppbv 96-62a | 03-1454 lcs/ 2.5 ppbv 96-62a |
| Acq Time: 20 Jun 2023 2:44 pm | 20 Jun 2023 2:44 pm |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|----------------------|-------------|-------------|-----------|---------|------------|----------|-----|---------------|-----------------|
| Propene | 0.0 | 3 | 3 | 3 | 119 | 119 | 0 | 20 | 70-130 |
| Dichlorodifluorometh | 0.0 | 3 | 3 | 3 | 121 | 121 | 0 | 20 | 70-130 |
| Chloromethane | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| F-114 | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| Vinyl chloride | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| 1,3-Butadiene | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| Butane | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| Bromomethane | 0.0 | 3 | 3 | 3 | 118 | 118 | 0 | 20 | 70-130 |
| Chloroethane | 0.0 | 3 | 3 | 3 | 113 | 113 | 0 | 20 | 70-130 |
| Vinyl bromide | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| Ethanol | 0.0 | 3 | 3 | 3 | 112 | 112 | 0 | 20 | 70-130 |
| Acrolein | 0.0 | 3 | 2 | 2 | 77 | 77 | 0 | 20 | 70-130 |
| Pentane | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| Trichlorofluorometha | 0.0 | 3 | 3 | 3 | 124 | 124 | 0 | 20 | 70-130 |
| Acetone | 0.0 | 3 | 3 | 3 | 128 | 128 | 0 | 20 | 70-130 |
| 2-Propanol | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| 1,1-Dichloroethene | 0.0 | 3 | 2 | 2 | 99 | 99 | 0 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 3 | 2 | 2 | 97 | 97 | 0 | 20 | 70-130 |
| Methylene chloride | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| t-Butyl alcohol (TBA | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| 3-Chloropropene | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| CFC-113 | 0.0 | 3 | 3 | 3 | 118 | 118 | 0 | 20 | 70-130 |
| Carbon disulfide | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| Methyl t-butyl ether | 0.0 | 3 | 2 | 2 | 85 | 85 | 0 | 20 | 70-130 |
| Vinyl acetate | 0.0 | 3 | 2 | 2 | 93 | 93 | 0 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 3 | 3 | 3 | 113 | 113 | 0 | 20 | 70-130 |
| cis-1,2-Dichloroethe | 0.0 | 3 | 2 | 2 | 90 | 90 | 0 | 20 | 70-130 |
| Hexane | 0.0 | 3 | 2 | 2 | 85 | 85 | 0 | 20 | 70-130 |
| Chloroform | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| Ethyl acetate | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| Tetrahydrofuran | 0.0 | 3 | 2 | 2 | 93 | 93 | 0 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 3 | 3 | 3 | 111 | 111 | 0 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 3 | 3 | 3 | 112 | 112 | 0 | 20 | 70-130 |
| Benzene | 0.0 | 3 | 2 | 2 | 89 | 89 | 0 | 20 | 70-130 |

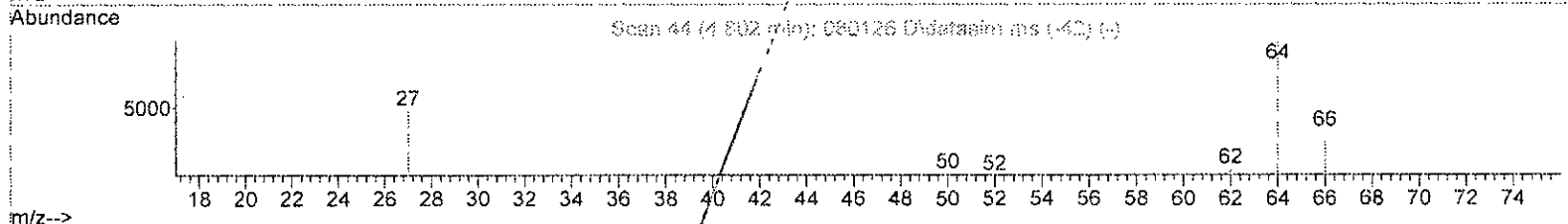
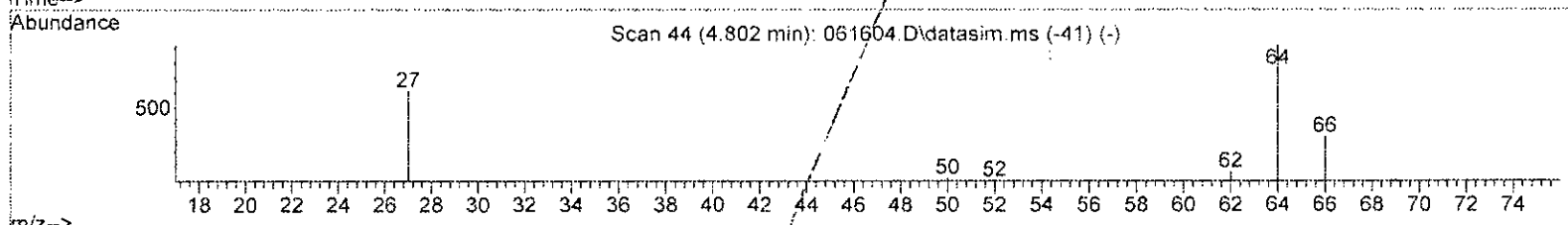
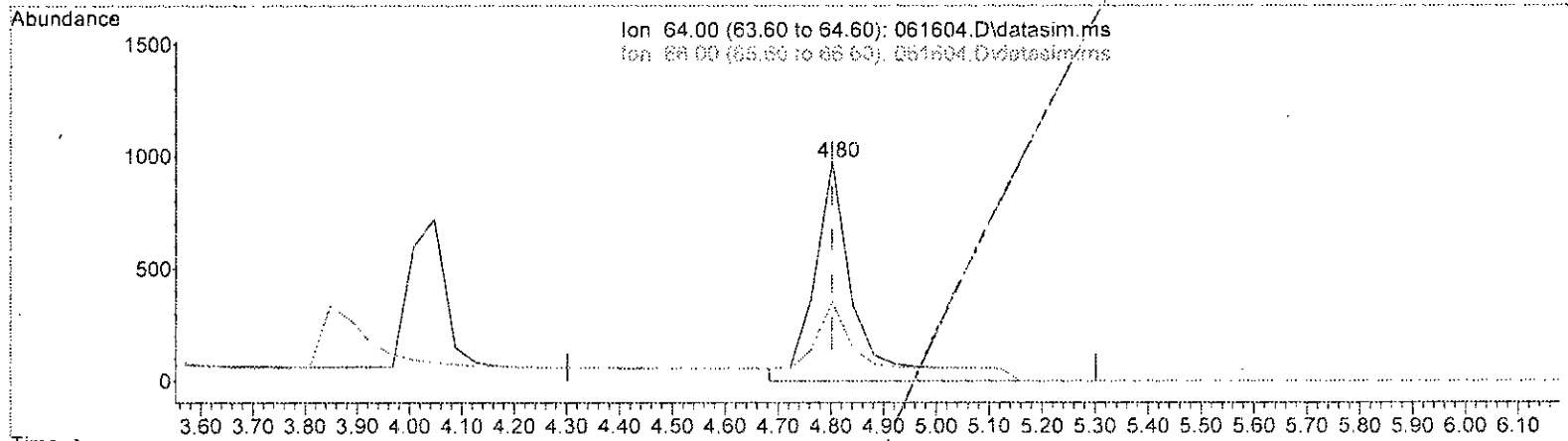
| | | | | | | | | | |
|-----------------------|-----|---|---|---|-----|-----|---|----|--------|
| Cyclohexane | 0.2 | 3 | 2 | 2 | 71 | 71 | 0 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 3 | 3 | 3 | 121 | 121 | 0 | 20 | 70-130 |
| 1,4-Dioxane | 0.0 | 3 | 2 | 2 | 87 | 87 | 0 | 20 | 70-130 |
| 2,2,4-Trimethylpenta | 0.0 | 3 | 2 | 2 | 99 | 99 | 0 | 20 | 70-130 |
| Methyl methacrylate | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| Heptane | 0.0 | 3 | 3 | 3 | 104 | 104 | 0 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 3 | 3 | 3 | 126 | 126 | 0 | 20 | 70-130 |
| Trichloroethene | 0.0 | 3 | 3 | 3 | 111 | 111 | 0 | 20 | 70-130 |
| cis-1,3-Dichloroprop | 0.0 | 3 | 3 | 3 | 110 | 110 | 0 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 3 | 2 | 2 | 71 | 71 | 0 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 3 | 3 | 3 | 103 | 103 | 0 | 20 | 70-130 |
| Toluene | 0.2 | 3 | 2 | 2 | 87 | 87 | 0 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 3 | 3 | 3 | 114 | 114 | 0 | 20 | 70-130 |
| 2-Hexanone | 0.0 | 3 | 3 | 3 | 102 | 102 | 0 | 20 | 70-130 |
| Tetrachloroethene | 0.1 | 3 | 3 | 3 | 109 | 109 | 0 | 20 | 70-130 |
| Dibromochloromethane | 0.0 | 3 | 3 | 3 | 119 | 119 | 0 | 20 | 70-130 |
| 1,2-Dibromoethane (E) | 0.0 | 3 | 3 | 3 | 108 | 108 | 0 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 3 | 3 | 3 | 101 | 101 | 0 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 3 | 2 | 2 | 82 | 82 | 0 | 20 | 70-130 |
| 1,1,2,2-Tetrachloroe | 0.0 | 3 | 3 | 3 | 111 | 111 | 0 | 20 | 70-130 |
| Nonane | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| 2-Chlorotoluene | 0.0 | 3 | 2 | 2 | 90 | 90 | 0 | 20 | 70-130 |
| Propylbenzene | 0.0 | 3 | 2 | 2 | 92 | 92 | 0 | 20 | 70-130 |
| 4-Ethyltoluene | 0.0 | 3 | 2 | 2 | 84 | 84 | 0 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 5 | 4 | 4 | 78 | 78 | 0 | 20 | 70-130 |
| o-Xylene | 0.0 | 3 | 2 | 2 | 87 | 87 | 0 | 20 | 70-130 |
| Styrene | 0.0 | 3 | 2 | 2 | 85 | 85 | 0 | 20 | 70-130 |
| Bromoform | 0.0 | 3 | 3 | 3 | 121 | 121 | 0 | 20 | 70-130 |
| Benzyl chloride | 0.0 | 3 | 3 | 3 | 103 | 103 | 0 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 3 | 2 | 2 | 88 | 88 | 0 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 3 | 2 | 2 | 81 | 81 | 0 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 3 | 3 | 3 | 101 | 101 | 0 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 3 | 2 | 2 | 96 | 96 | 0 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 3 | 2 | 2 | 98 | 98 | 0 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.0 | 3 | 2 | 2 | 79 | 79 | 0 | 20 | 70-130 |
| Naphthalene | 0.0 | 3 | 2 | 2 | 63# | 63# | 0 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 3 | 3 | 3 | 101 | 101 | 0 | 20 | 70-130 |

- Fails Limit Check

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 3.911 ppbv

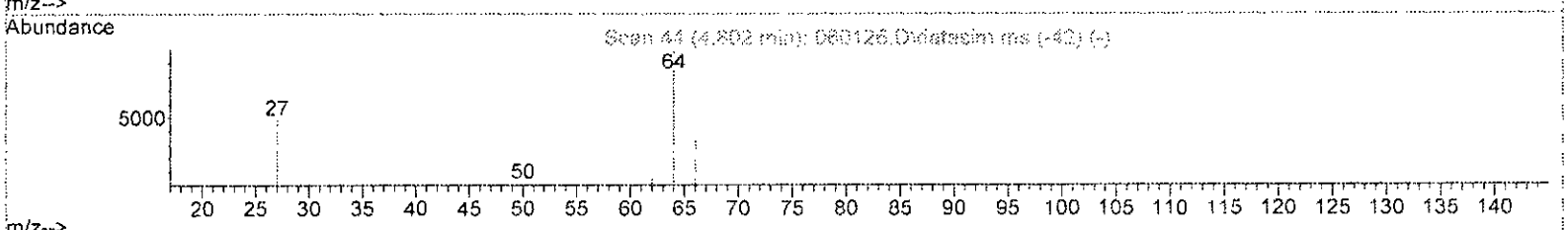
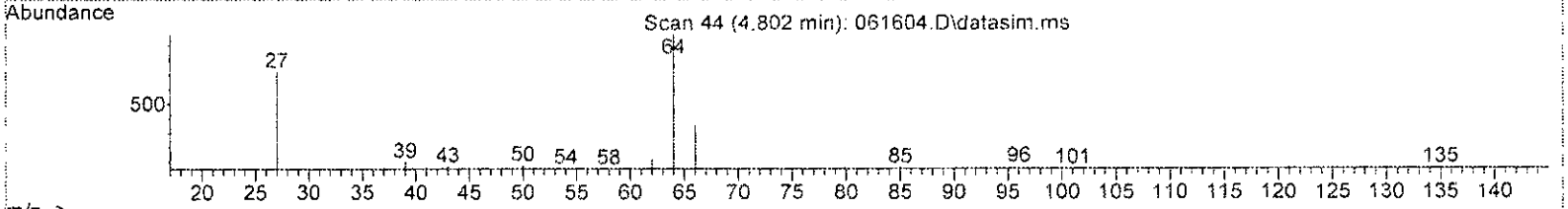
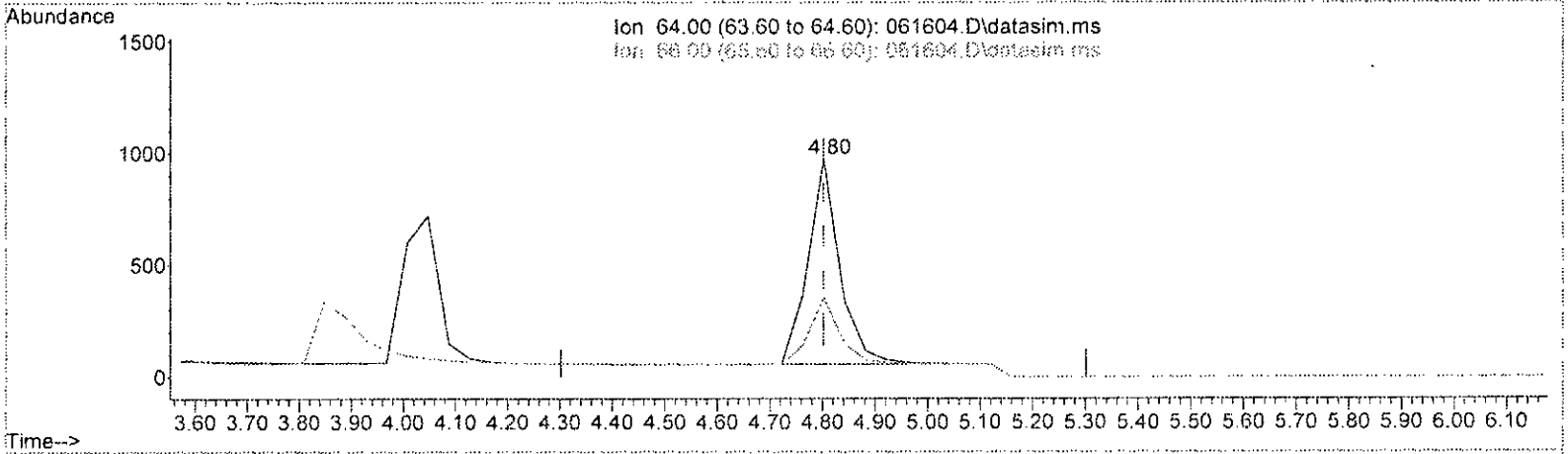
| response | 5089 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

*h
6/19/23*

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(10) Chloroethane (TMP)
 4.802min (+ 0.000) 2.919 ppbv m

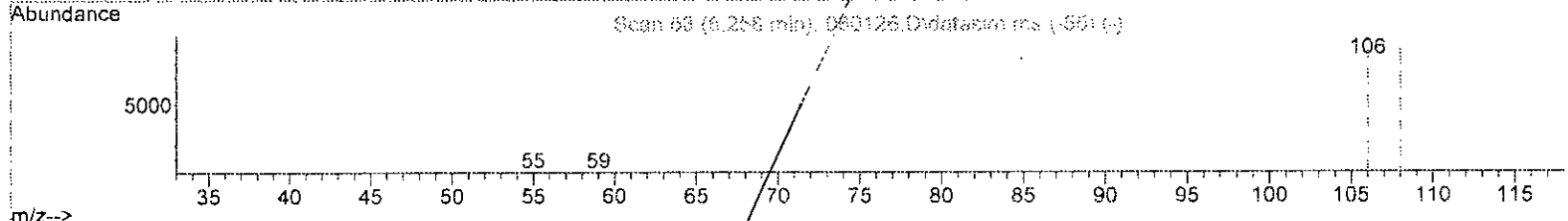
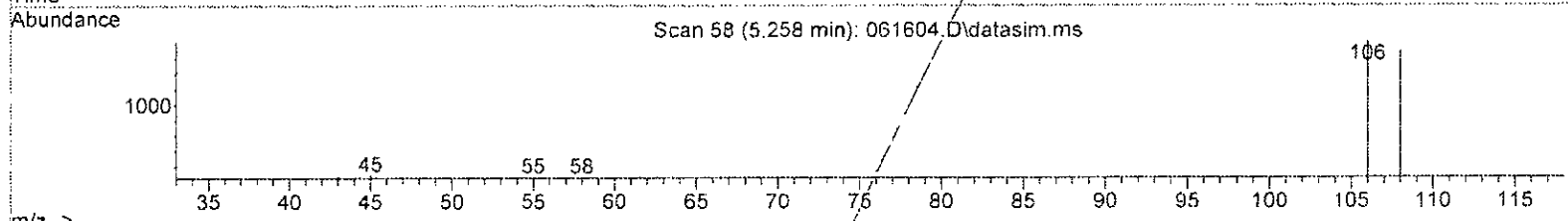
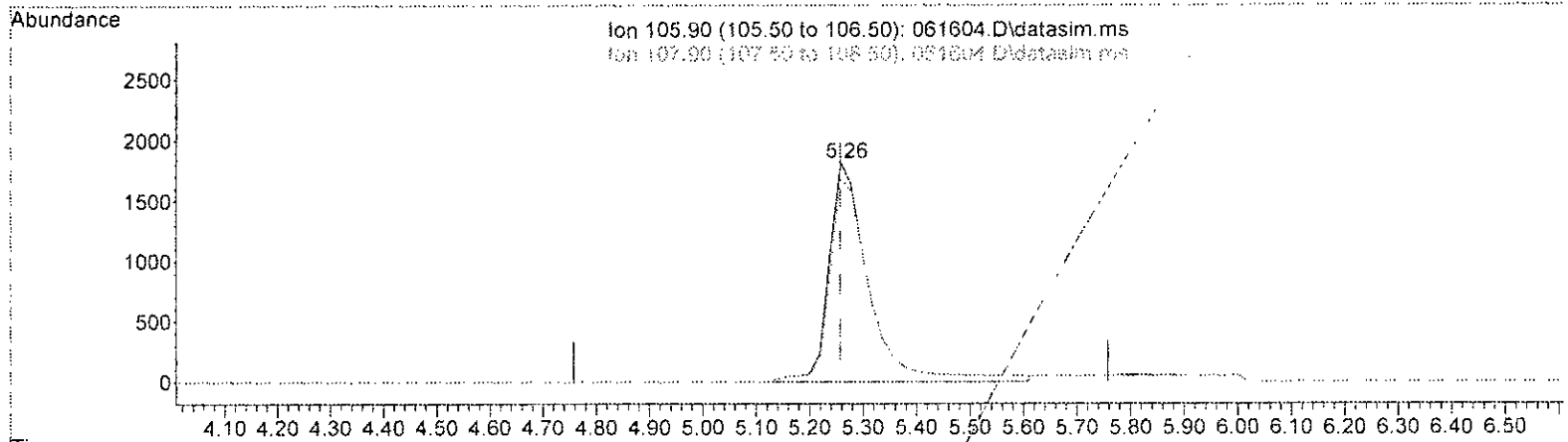
| response | 3798 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.000) 3.263 ppbv

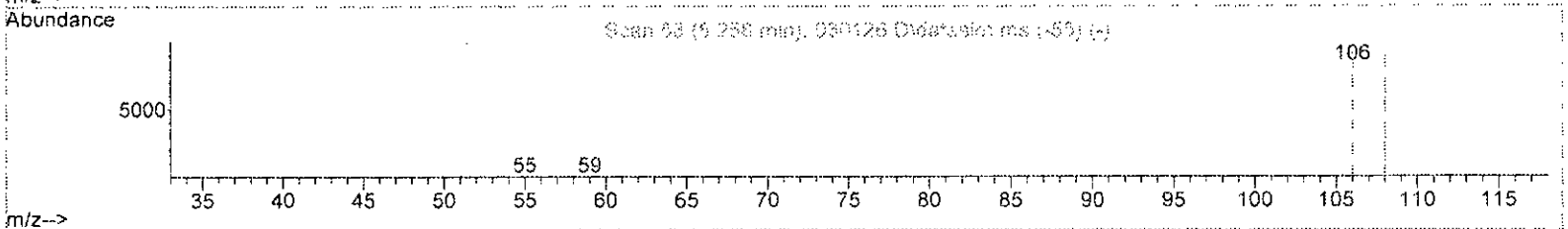
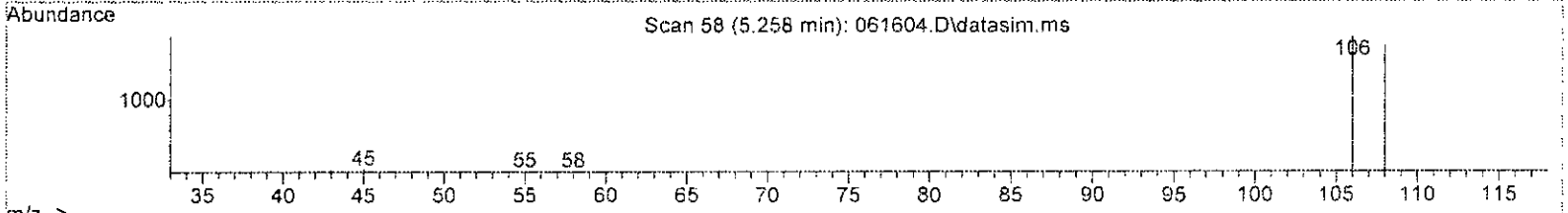
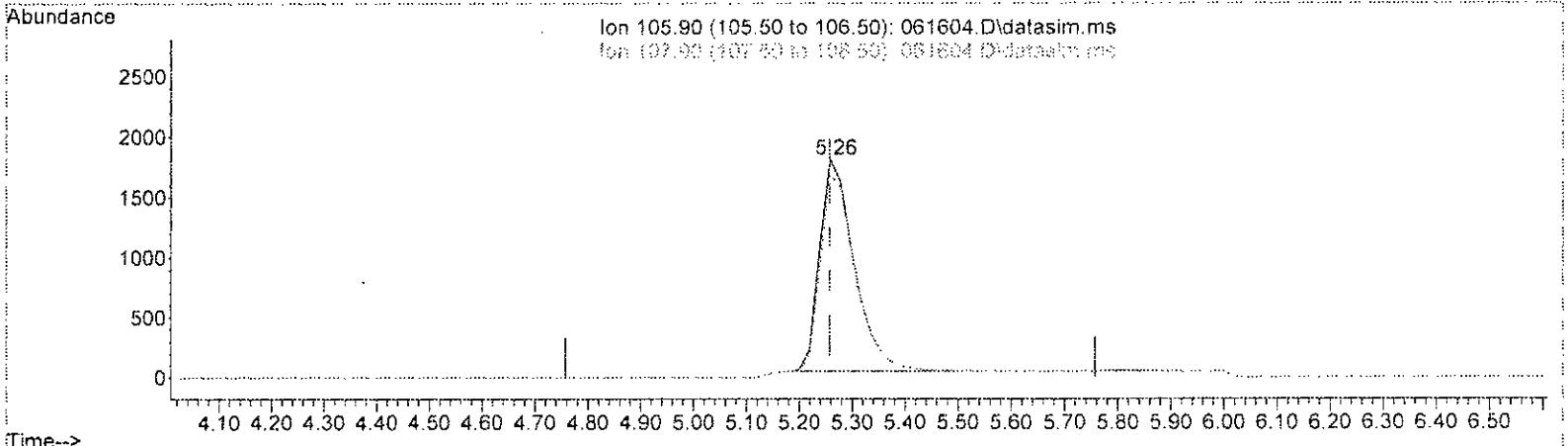
| response | 10249 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 94.92 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(11) Vinyl bromide (TMP)
 5.258min (-0.000) 2.541 ppbv m

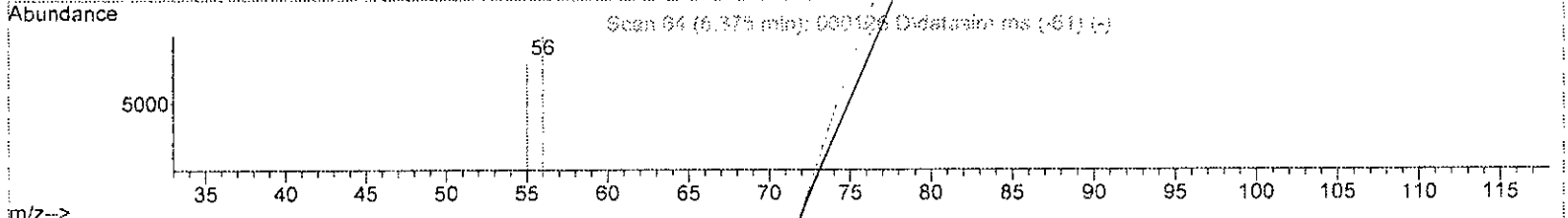
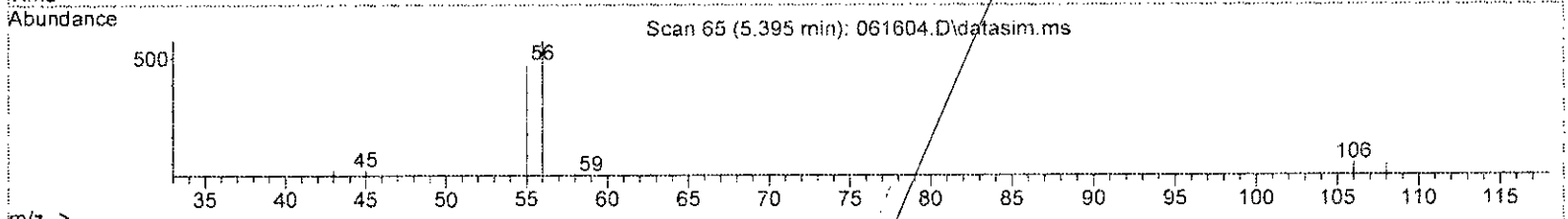
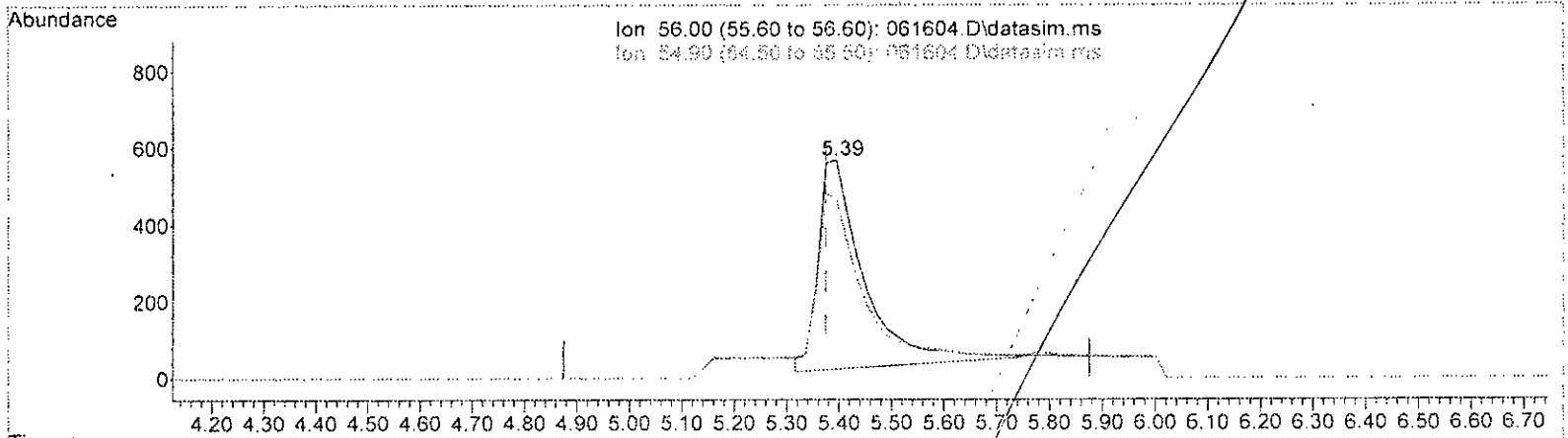
| response | 7981 | |
|----------|--------|---------|
| Ion | Exp% | Act% |
| 105.90 | 100.00 | 100.00 |
| 107.90 | 94.10 | 121.89# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(13) Acrolein (TMP)
 5.395min (+ 0.020) 2.627 ppbv

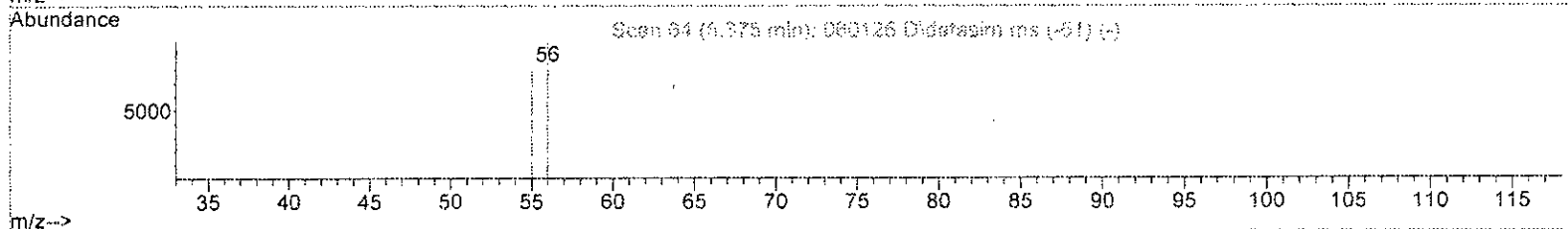
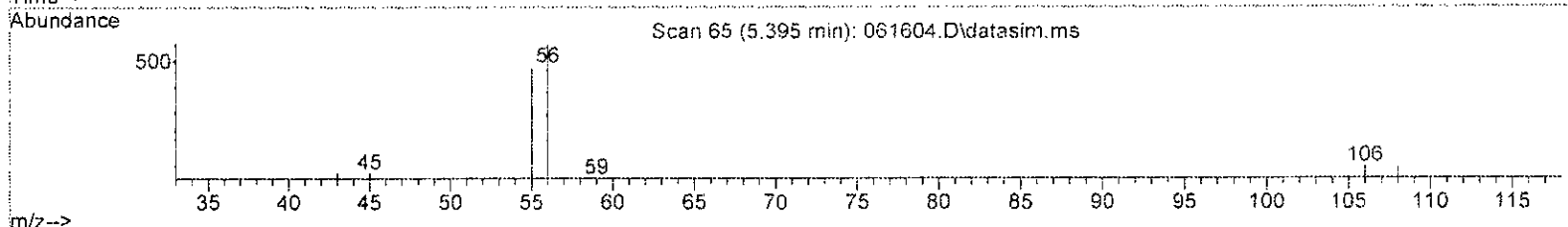
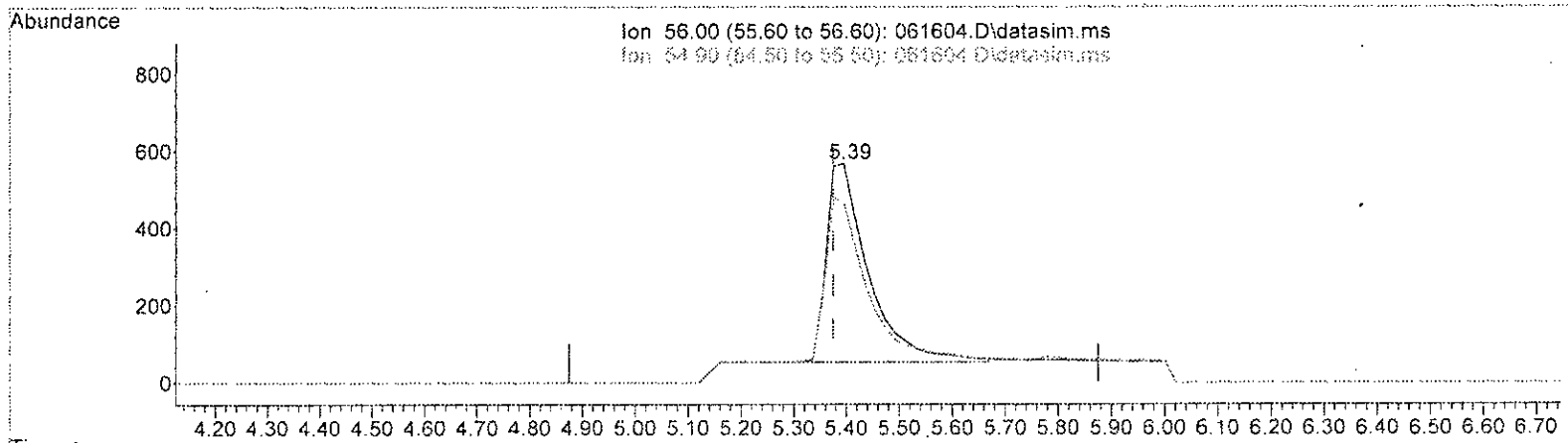
| response | 3313 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 71.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: 6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 2.239 ppbv m

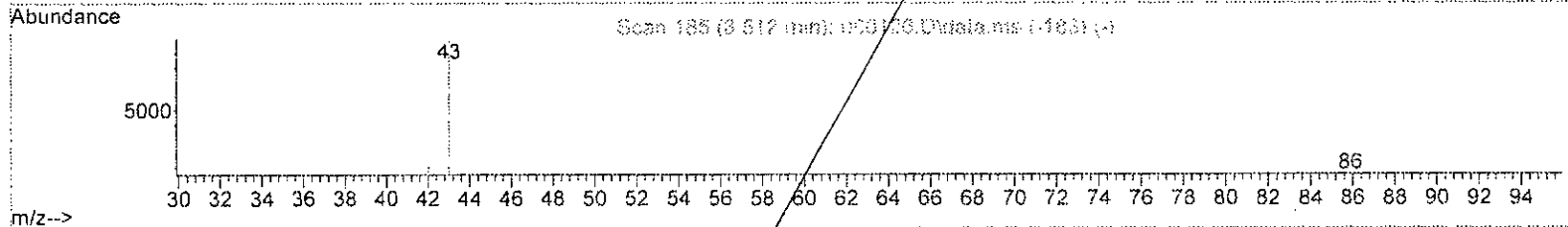
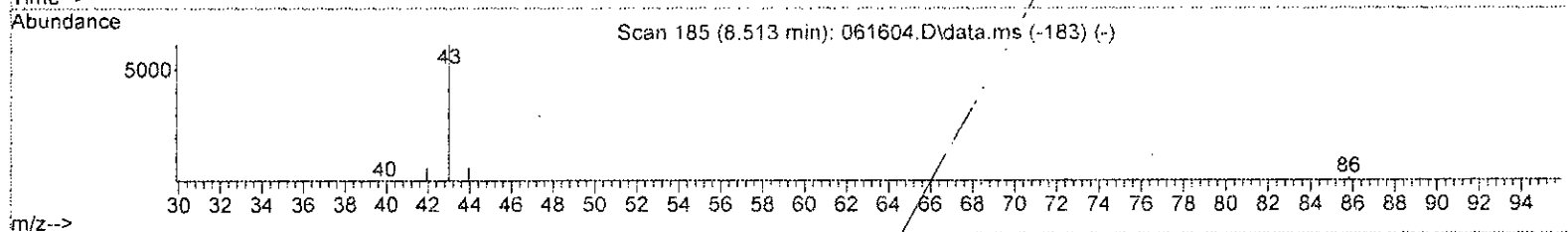
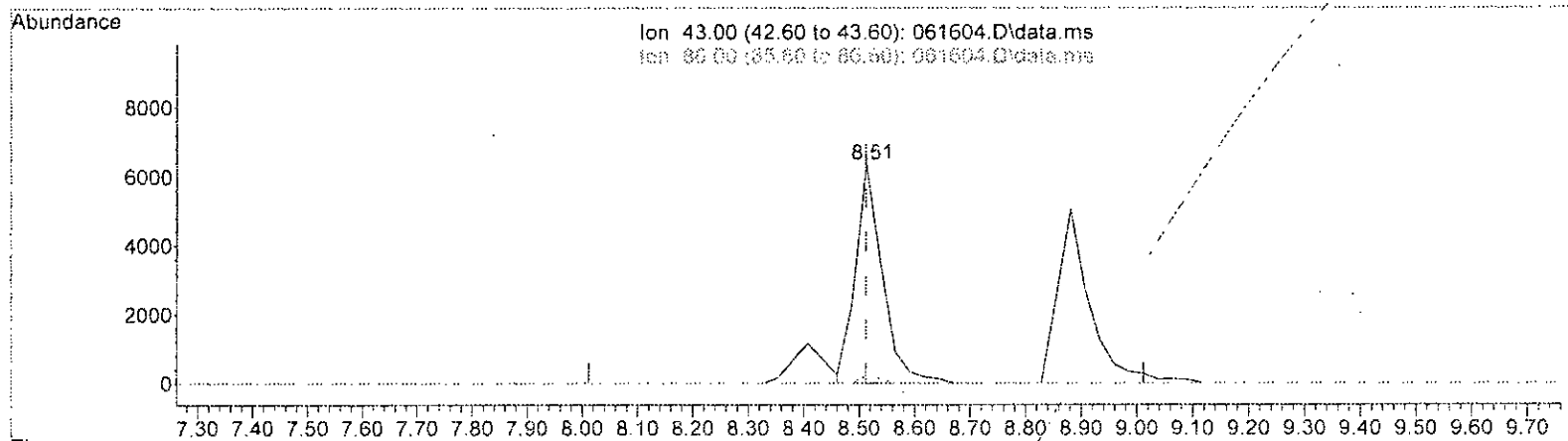
| response | 2824 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 83.78 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

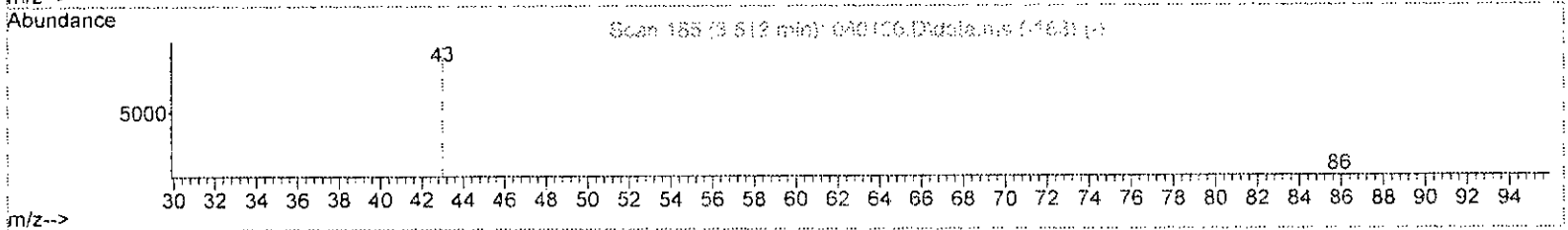
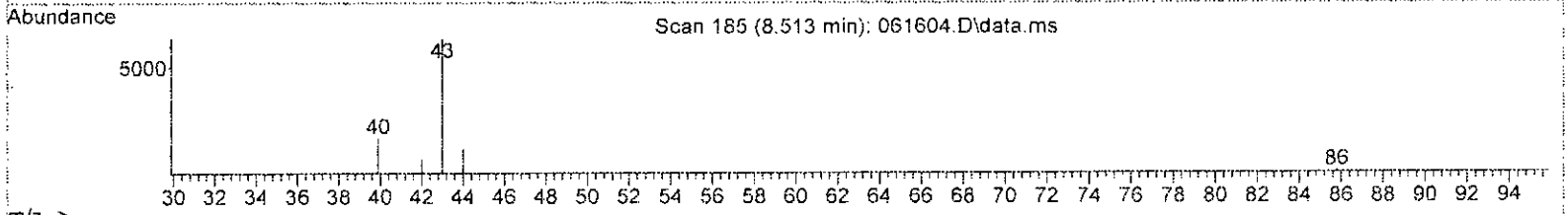
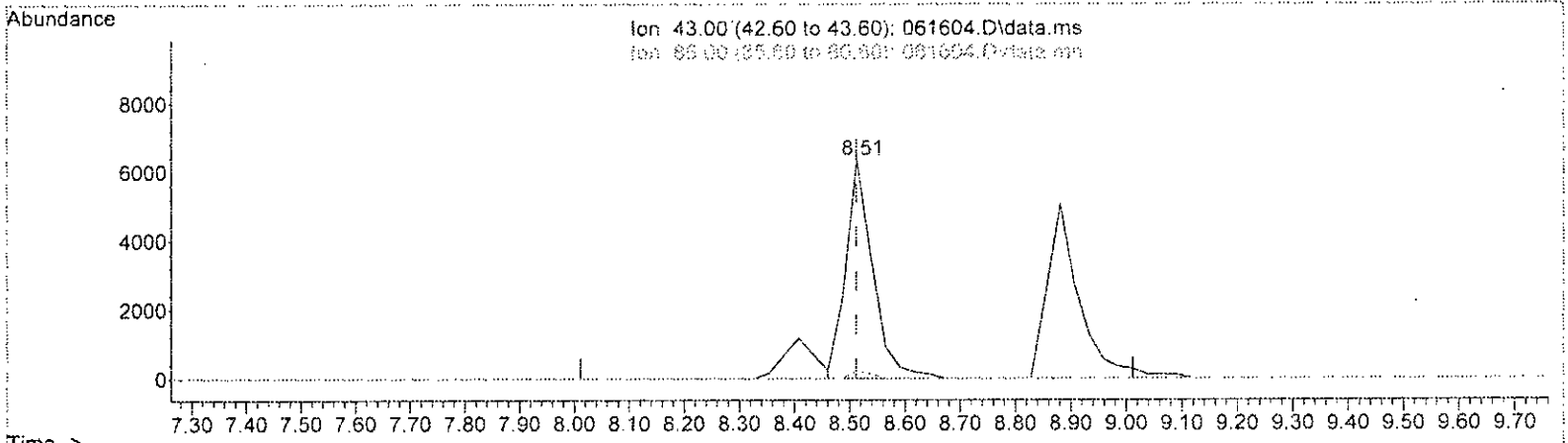
| (26) Vinyl acetate (TMP) | | |
|--------------------------|------------|--------|
| 8.513min (+ 0.001) | 2.605 ppbv | |
| response | 21430 | |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

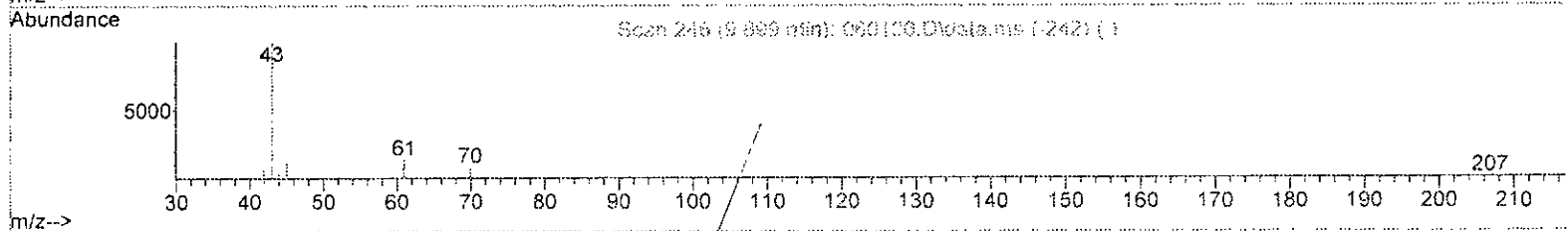
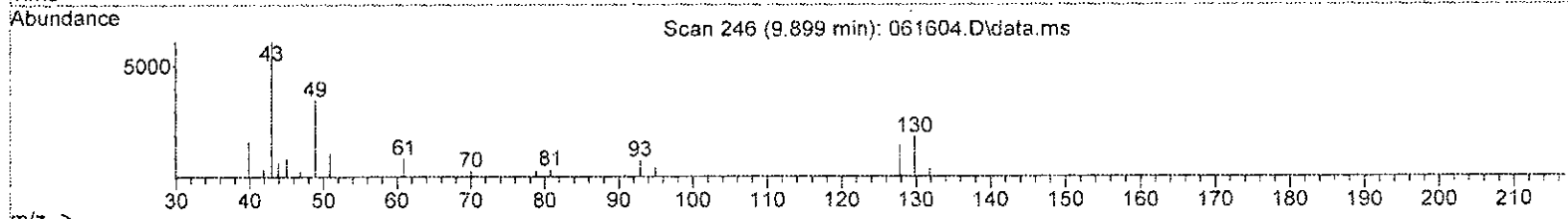
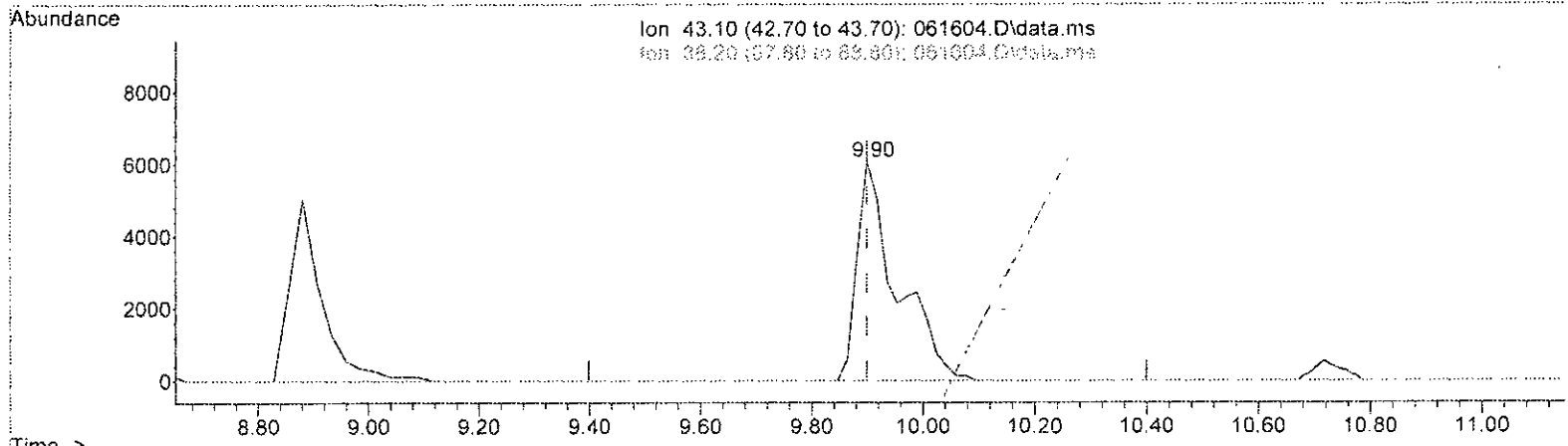
| (26) Vinyl acetate (TMP) | | |
|--------------------------|--------------|--------|
| 8.513min (+ 0.001) | 2.605 ppbv m | |
| response | 21430 | * |
| Ion | Exp% | Act% |
| 43.00 | 100.00 | 100.00 |
| 86.00 | 4.20 | 3.42 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

bat
6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(31) Ethyl acetate (TMP)

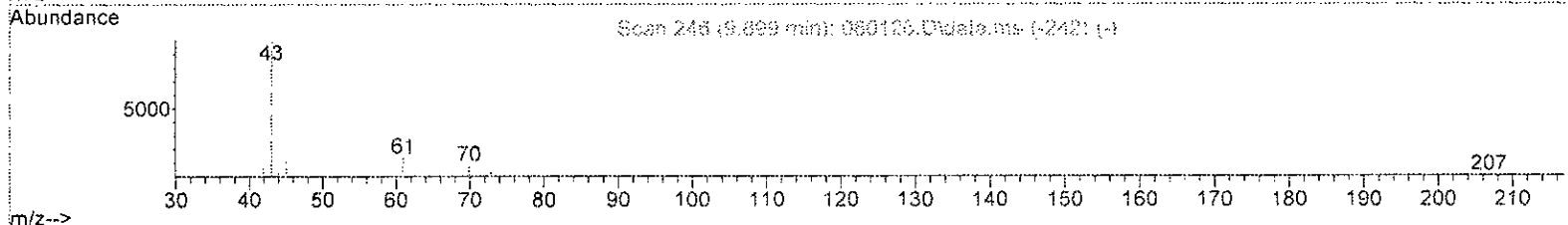
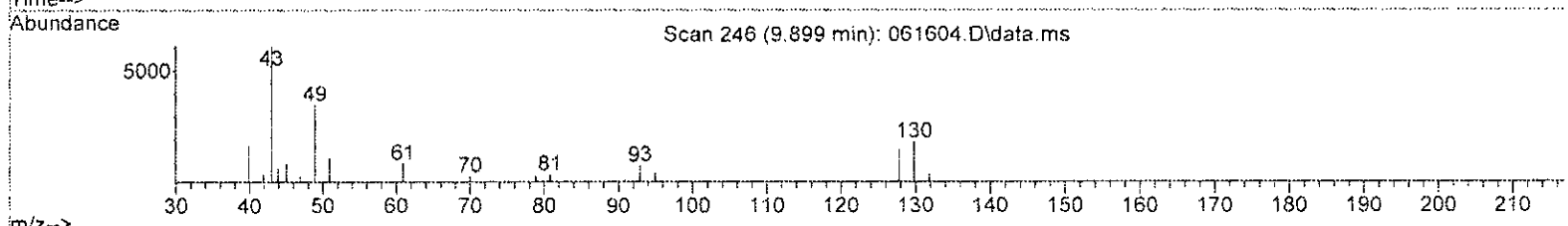
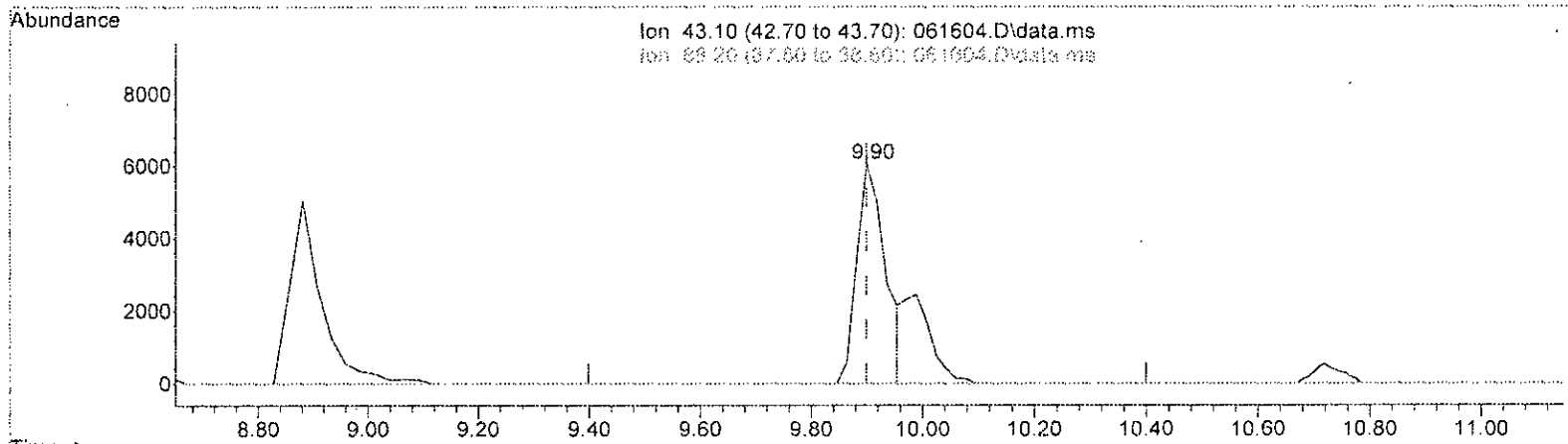
| | | |
|--------------------|------------|--------|
| 9.899min (+ 0.000) | 4.016 ppbv | |
| response | 29991 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

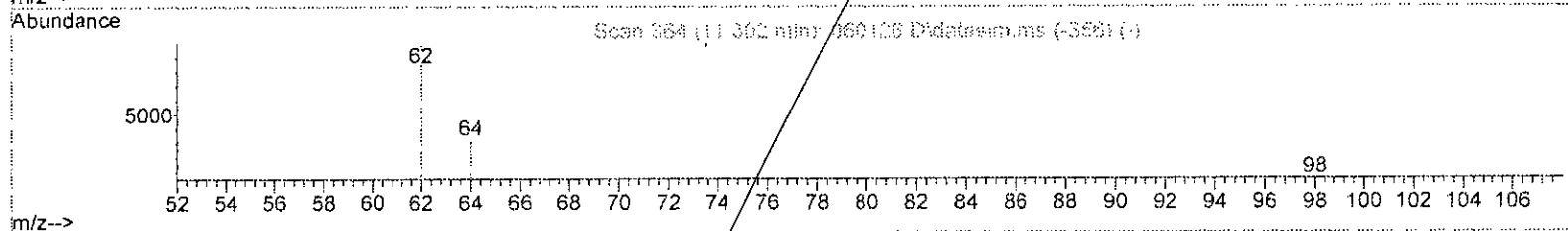
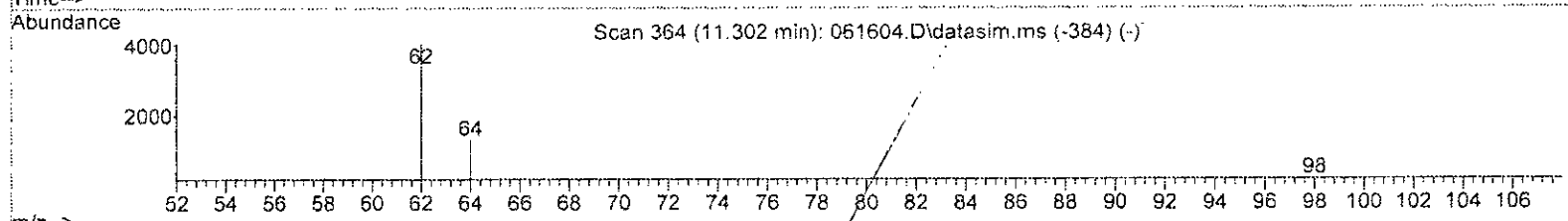
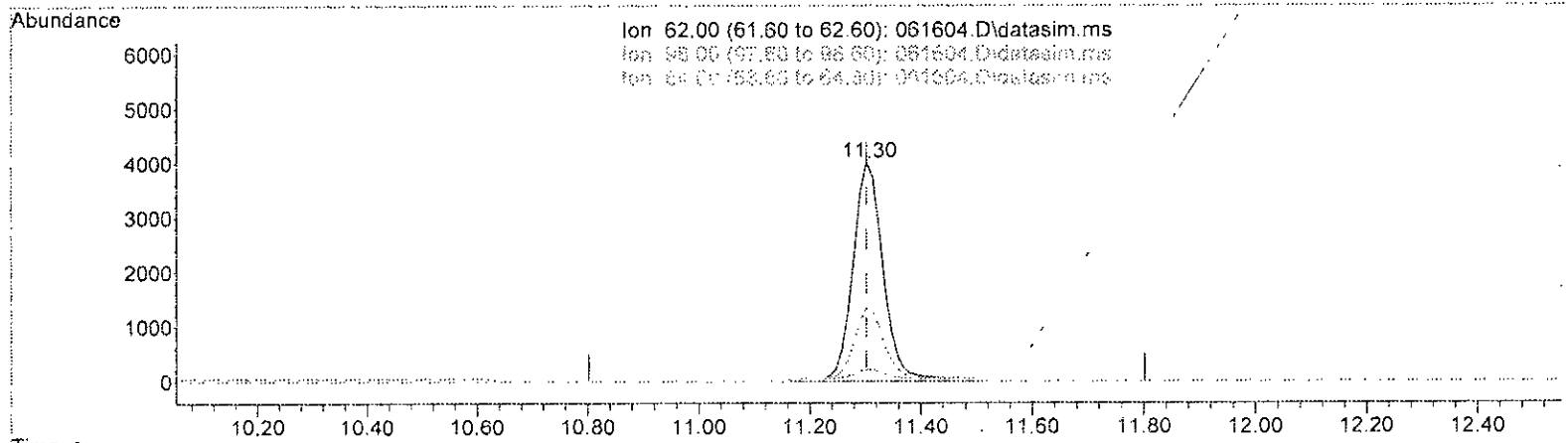
| (31) Ethyl acetate (TMP) | | |
|---------------------------------|--------|--------|
| 9.899min (+ 0.000) 2.883 ppbv m | | |
| response | 21528 | |
| Ion | Exp% | Act% |
| 43.10 | 100.00 | 100.00 |
| 88.20 | 1.70 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 3.129 ppbv

response 15243

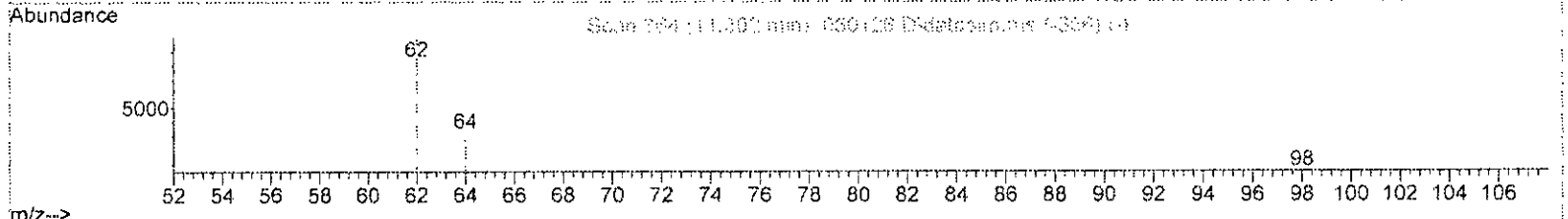
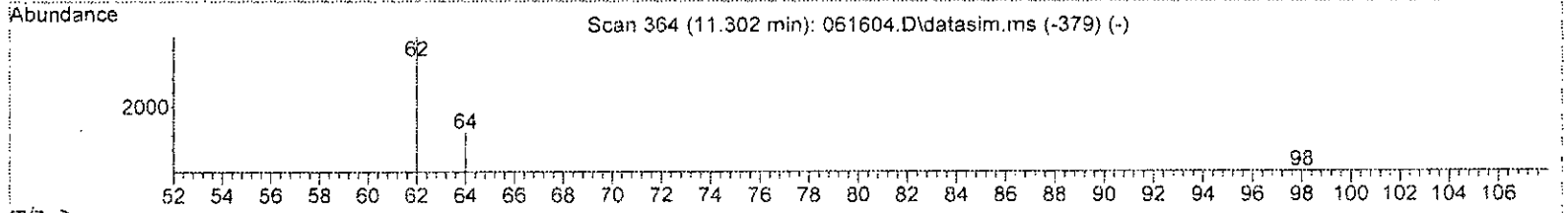
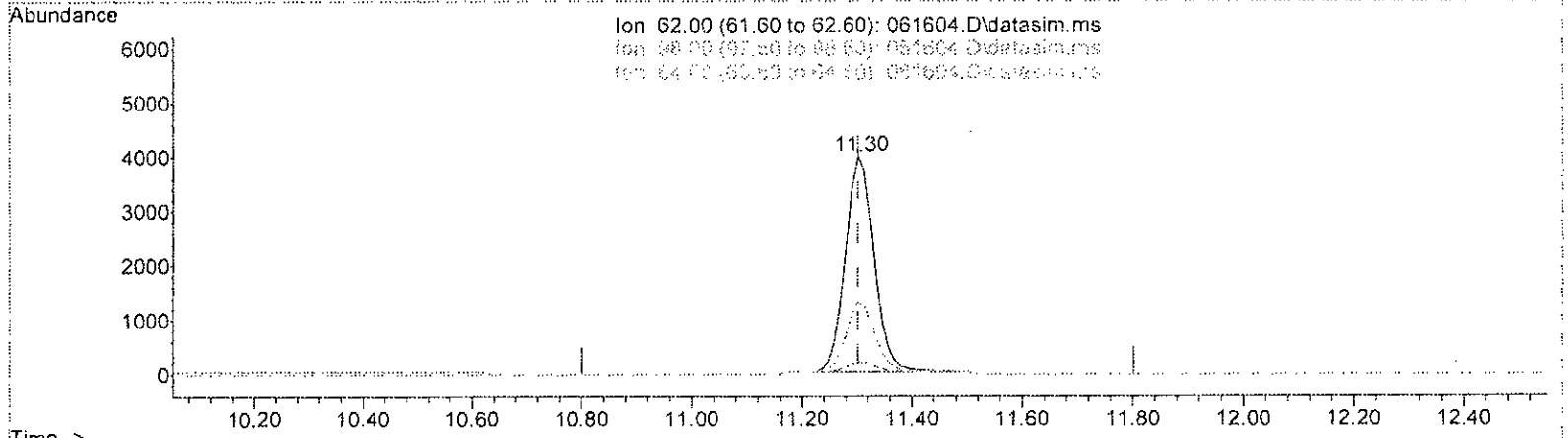
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.41 |
| 64.00 | 33.00 | 32.88 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.953 ppbv m

response 14385

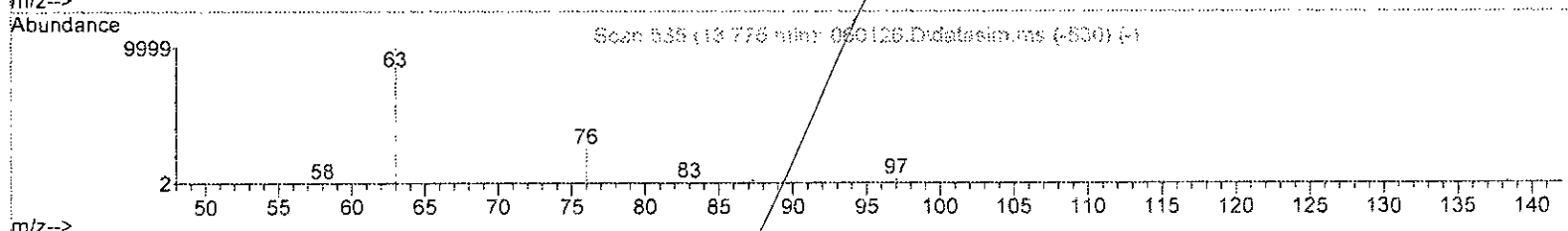
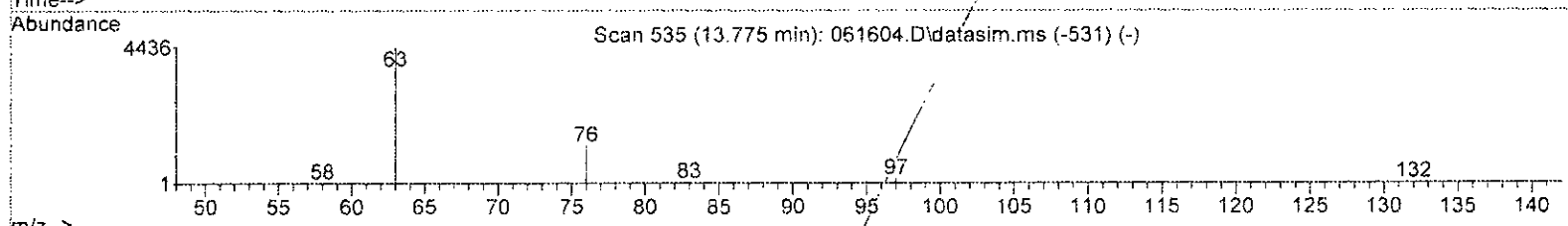
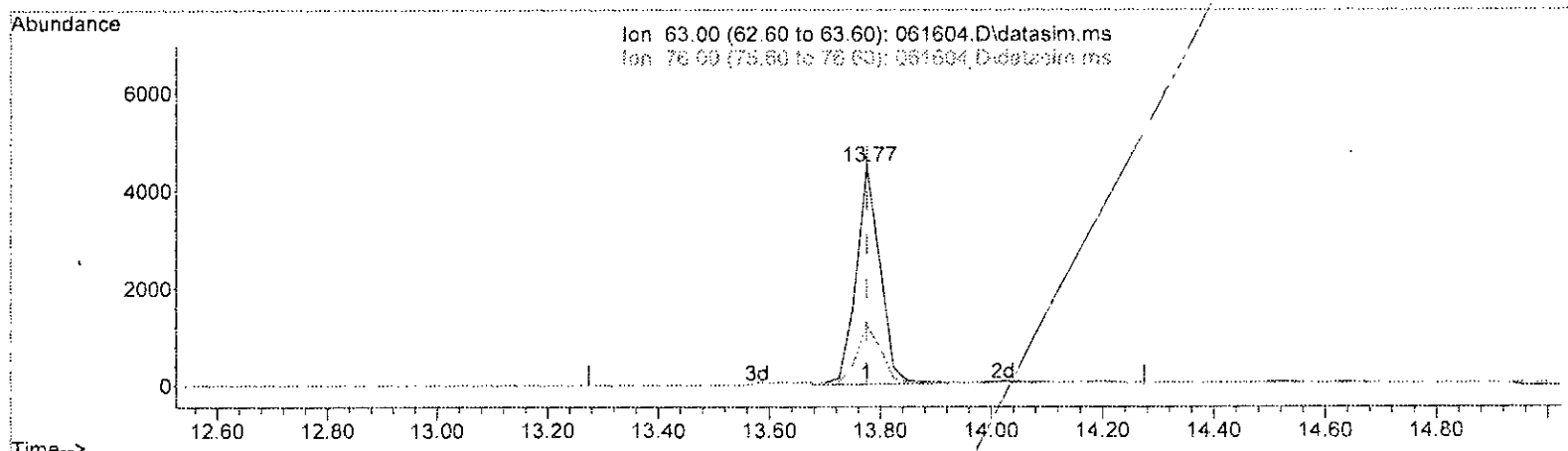
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.41 |
| 64.00 | 33.00 | 32.88 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

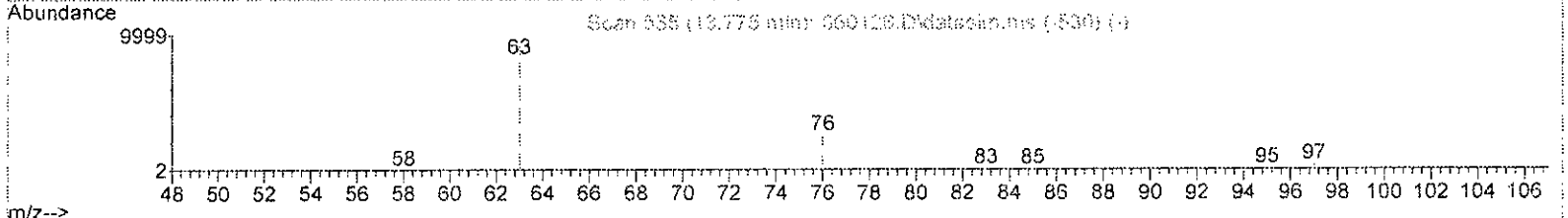
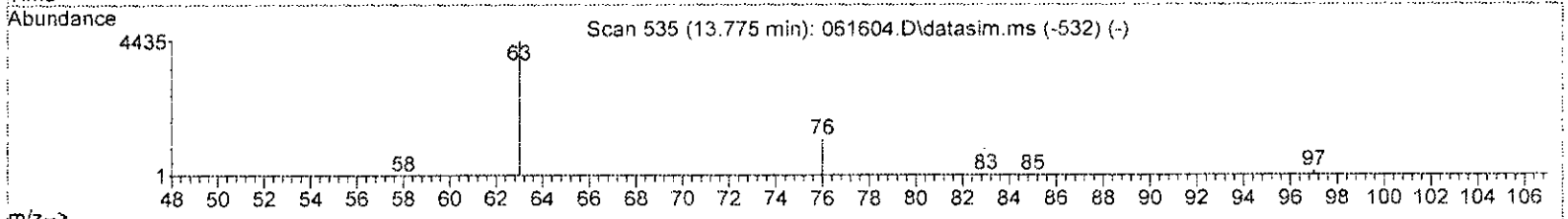
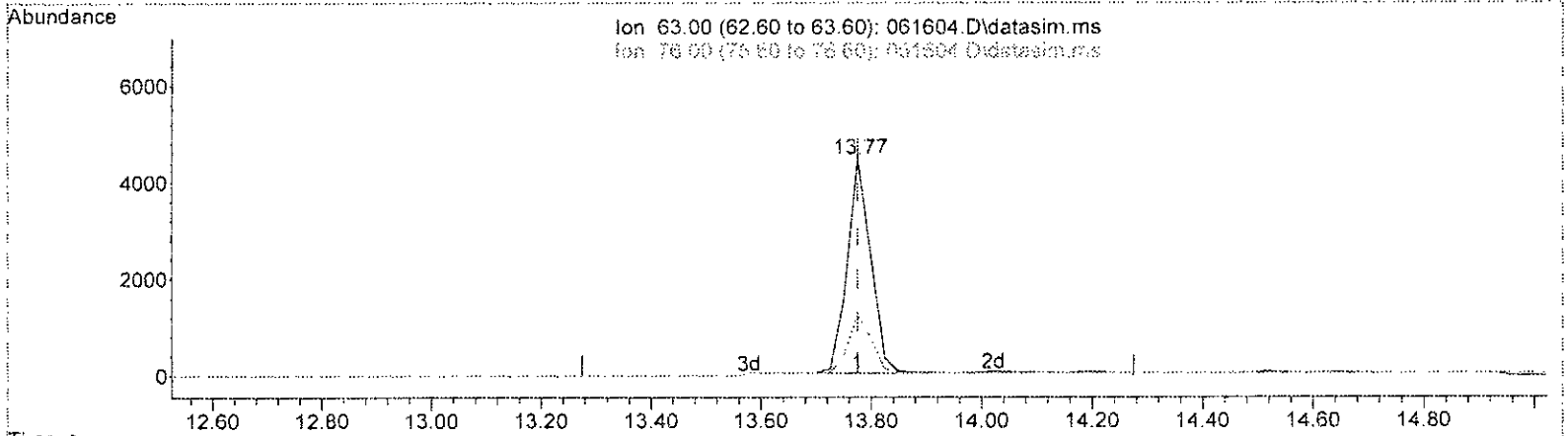
| (40) 1,2-Dichloropropane (TMP) | | | |
|--------------------------------|--------|--------|--|
| 13.775min (-0.000) 3.153 ppbv | | | |
| response | 13455 | | |
| Ion | Exp% | Act% | |
| 63.00 | 100.00 | 100.00 | |
| 76.00 | 25.70 | 27.00 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.775min (-0.000) 3.058 ppbv m

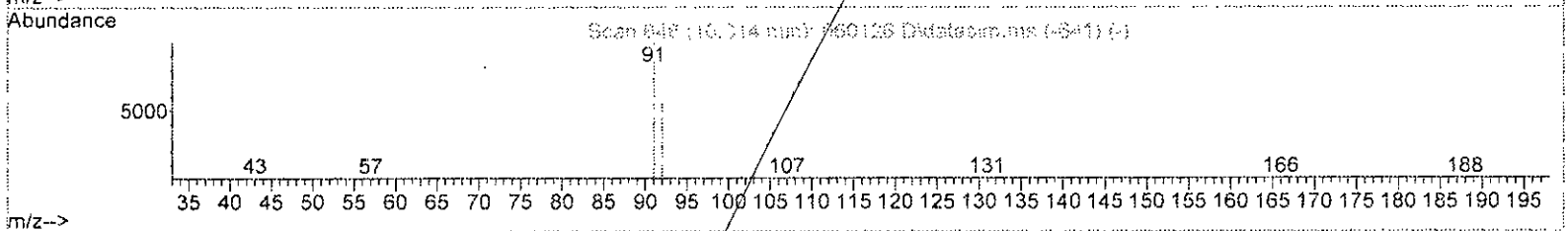
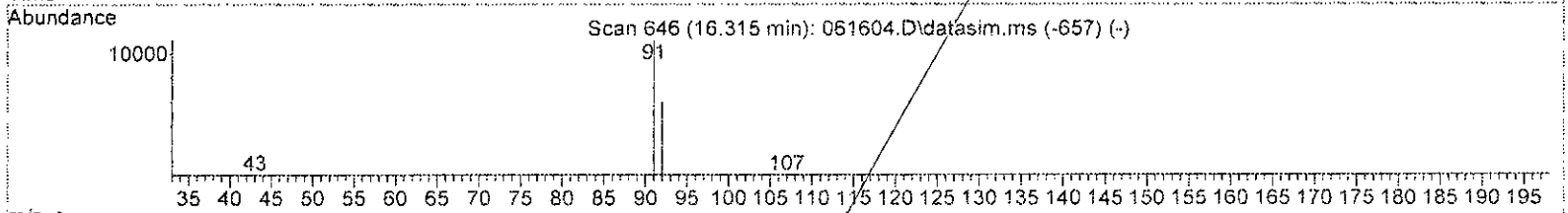
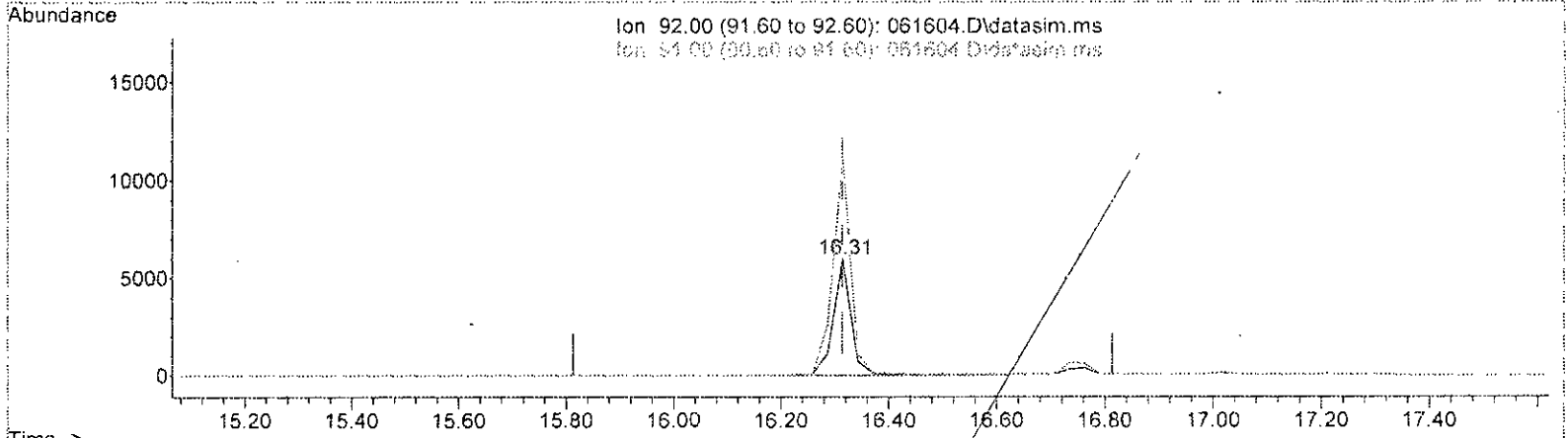
| response | 13050 |
|----------|---------------|
| Ion | Exp% Act% |
| 63.00 | 100.00 100.00 |
| 76.00 | 25.70 27.84 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(50) Toluene (TMP)

16.315min (+ 0.001) 2.476 ppbv

response 13917

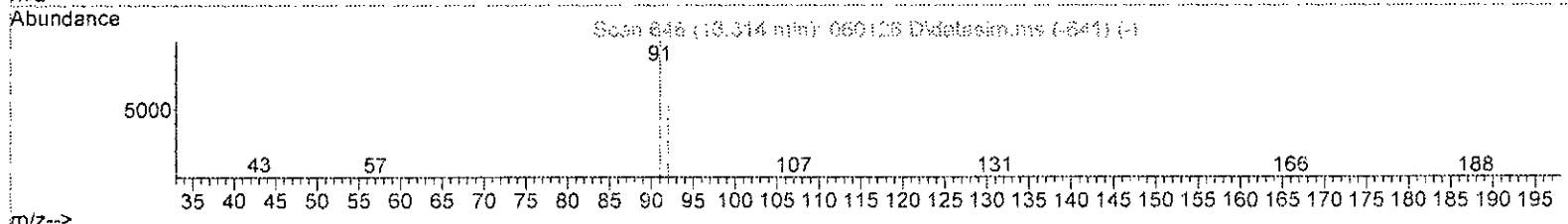
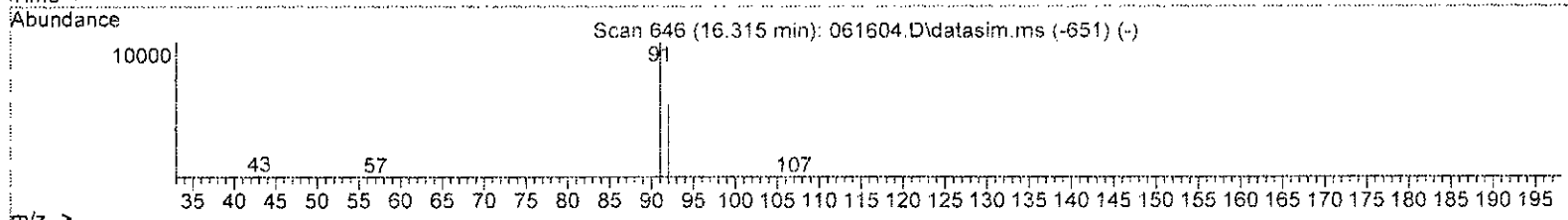
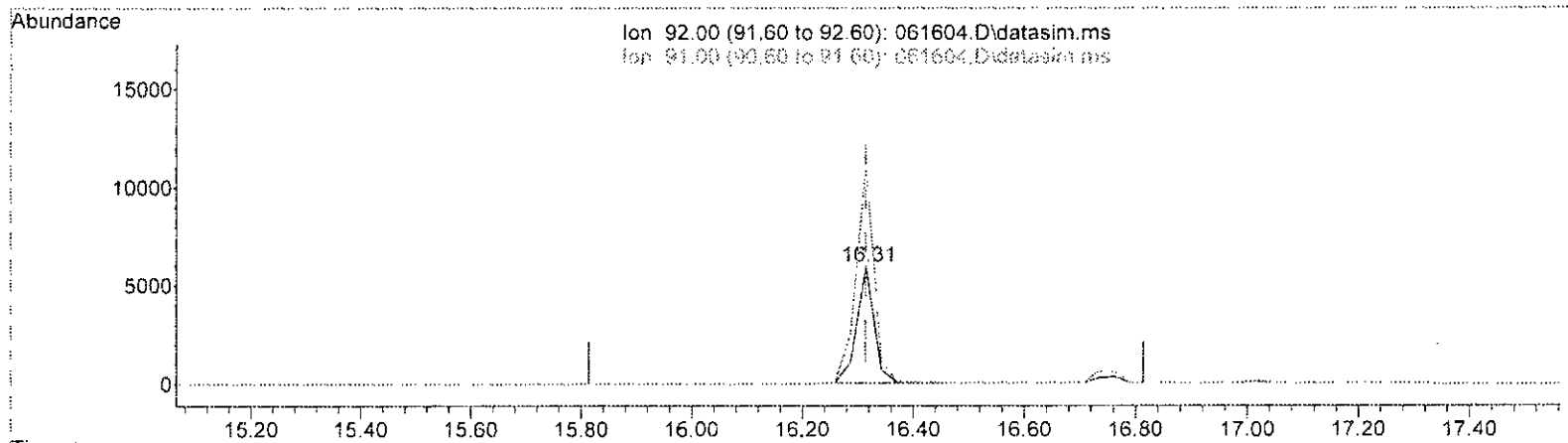
| Ion | Exp% | Act% |
|-------|--------|--------|
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 186.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

*h
6/19/23*

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

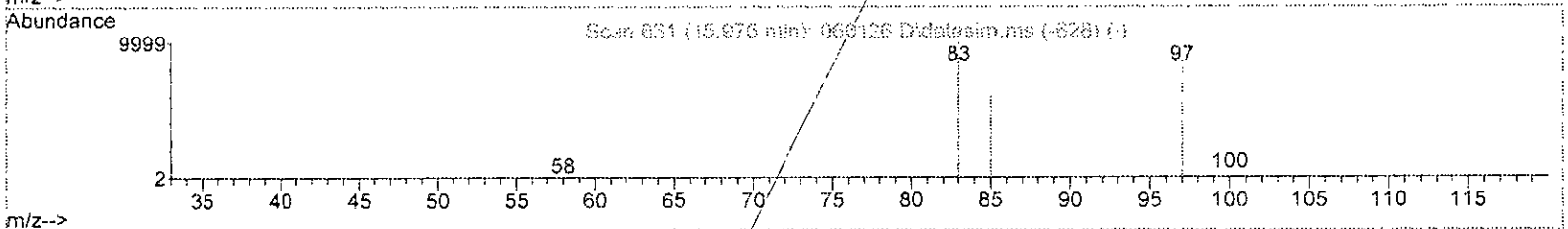
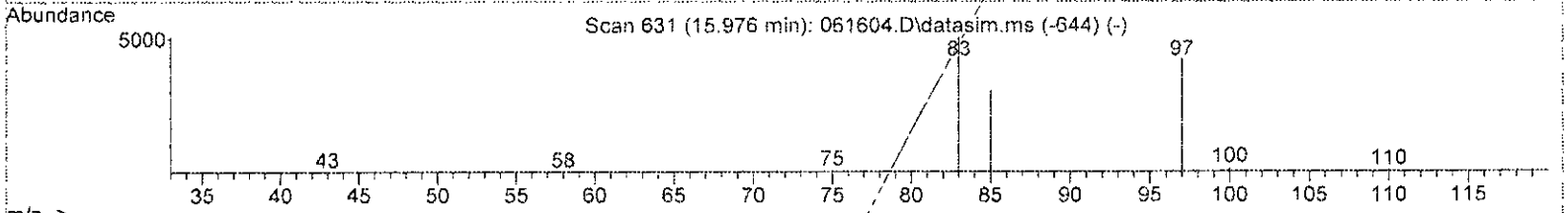
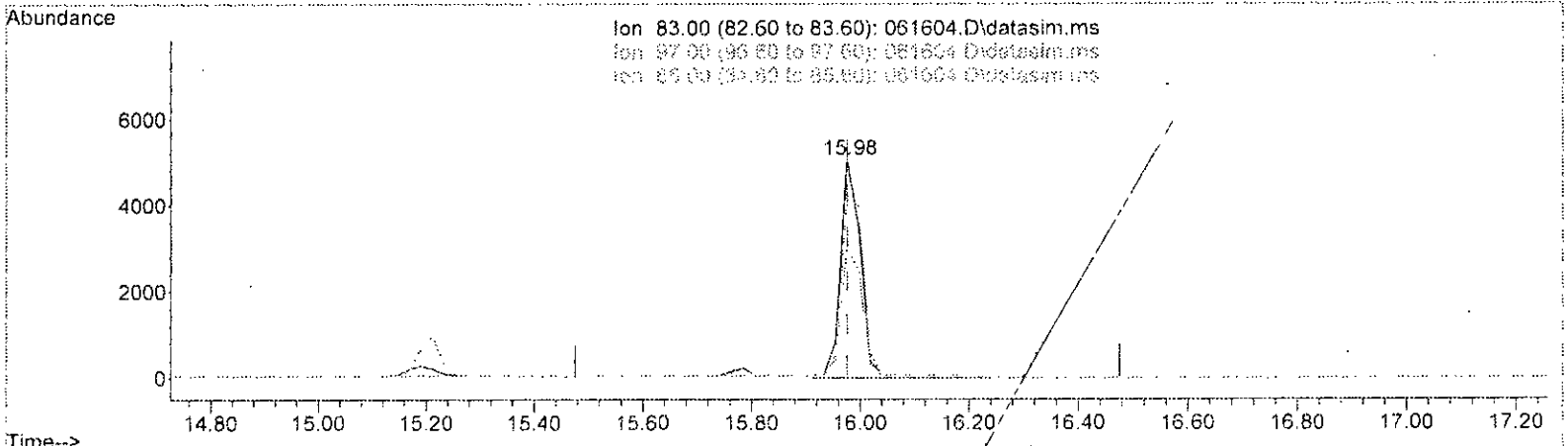
| (50) Toluene (TMP) | | |
|---------------------|--------------|--------|
| 16.315min (+ 0.001) | 2.315 ppbv m | |
| response | 13011 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 186.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

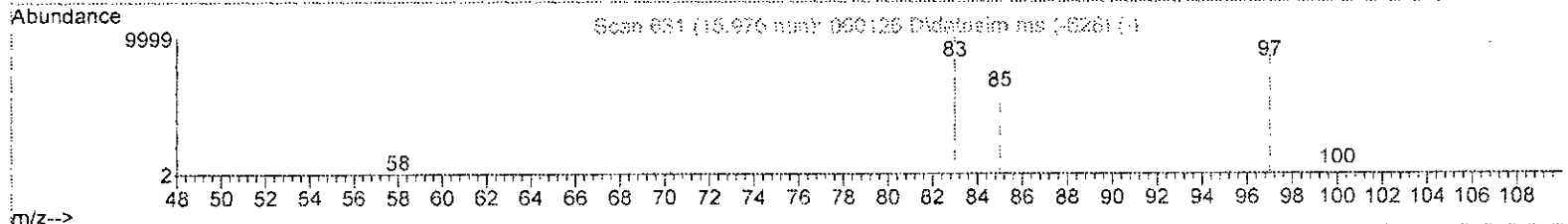
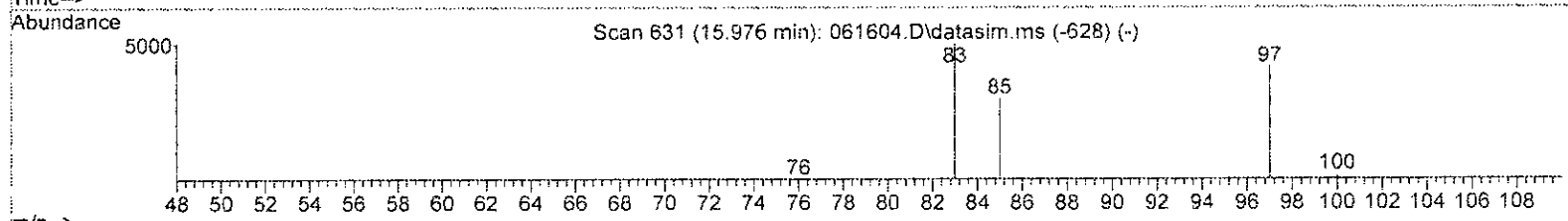
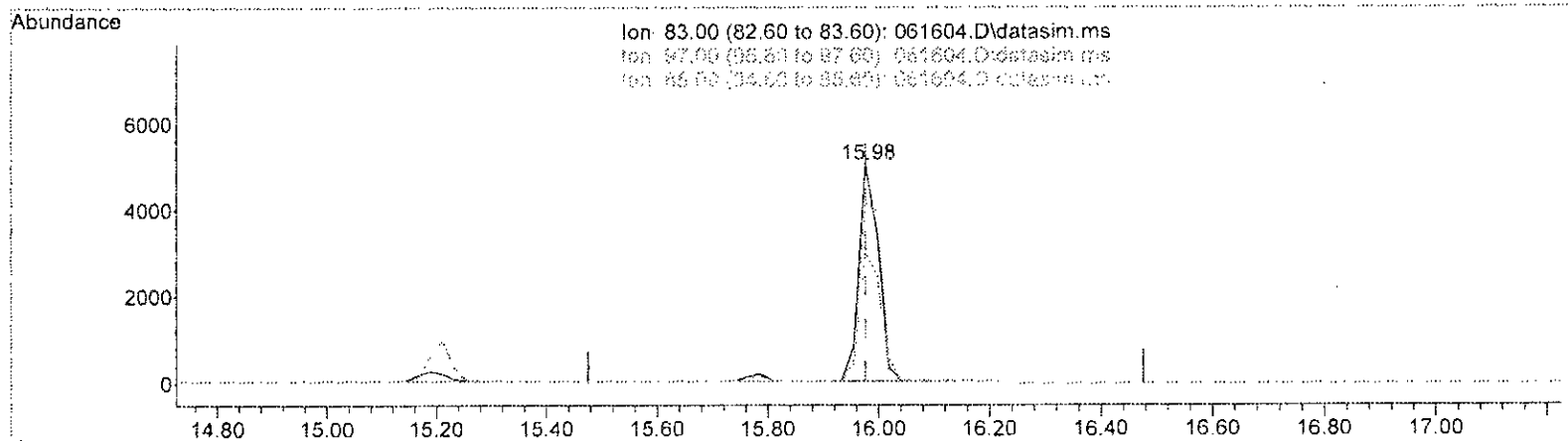
| (51) 1,1,2-Trichloroethane (TMP) | | | |
|----------------------------------|----------|--------|------|
| 15.976min | (-0.000) | 3.301 | ppbv |
| response | 13428 | | |
| Ion | Exp% | Act% | |
| 83.00 | 100.00 | 100.00 | |
| 97.00 | 81.80 | 82.92 | |
| 85.00 | 60.50 | 59.63 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

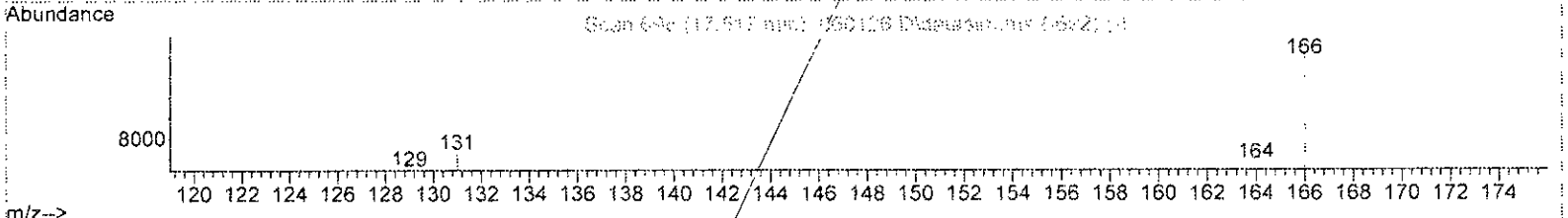
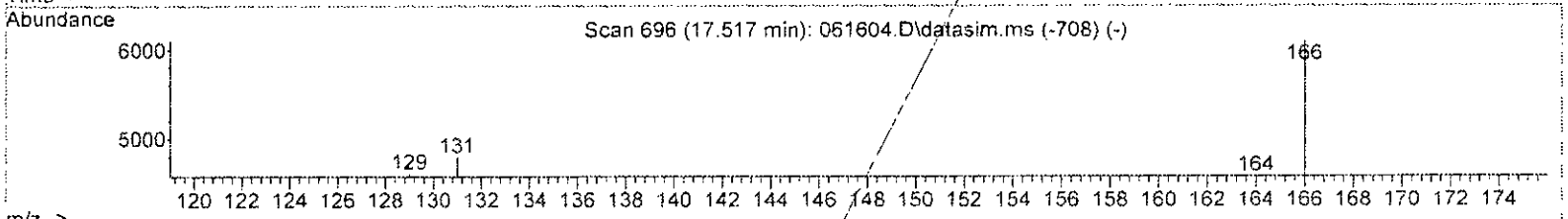
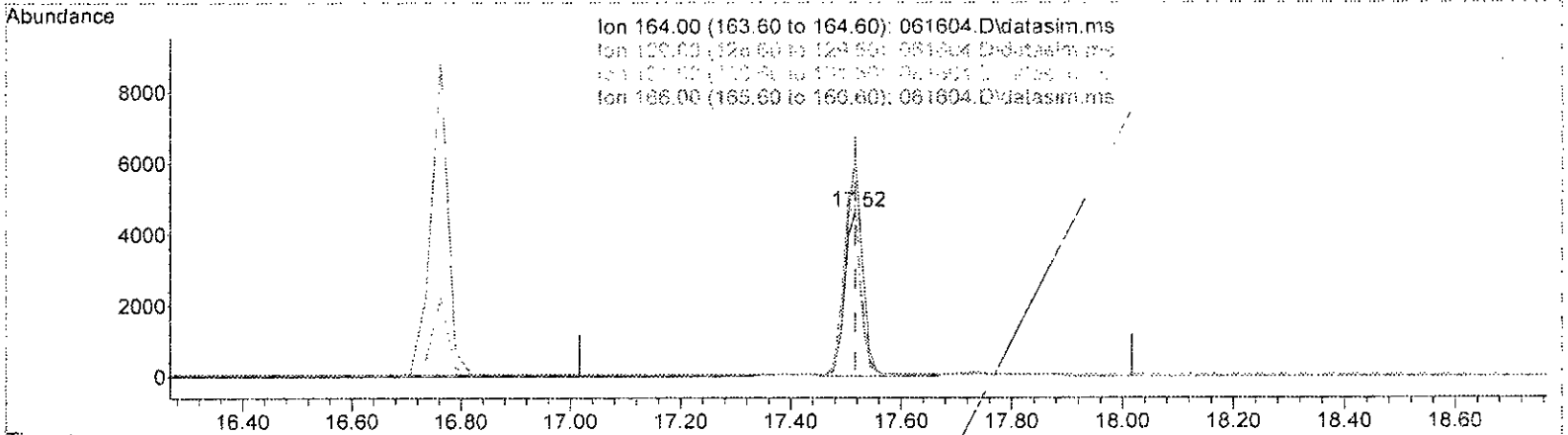
| (51) 1,1,2-Trichloroethane (TMP) | | | |
|----------------------------------|--------|--------|--|
| 15.976min (-0.000) 3.009 ppbv m | | | |
| response | 12243 | | |
| Ion | Exp% | Act% | |
| 83.00 | 100.00 | 100.00 | |
| 97.00 | 81.80 | 82.92 | |
| 85.00 | 60.50 | 59.63 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

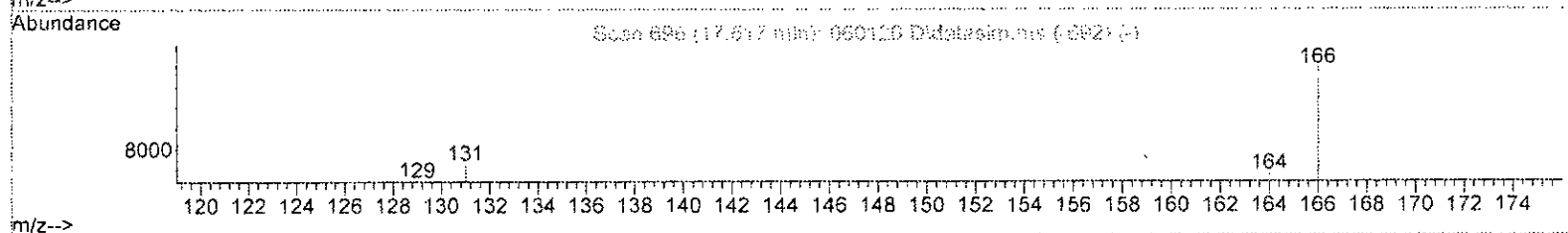
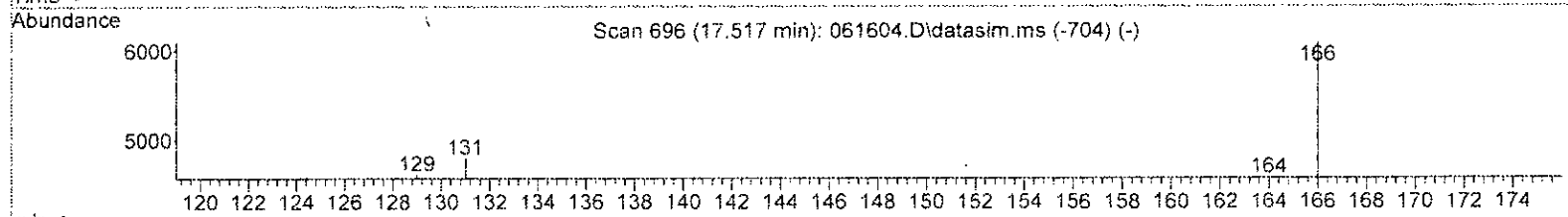
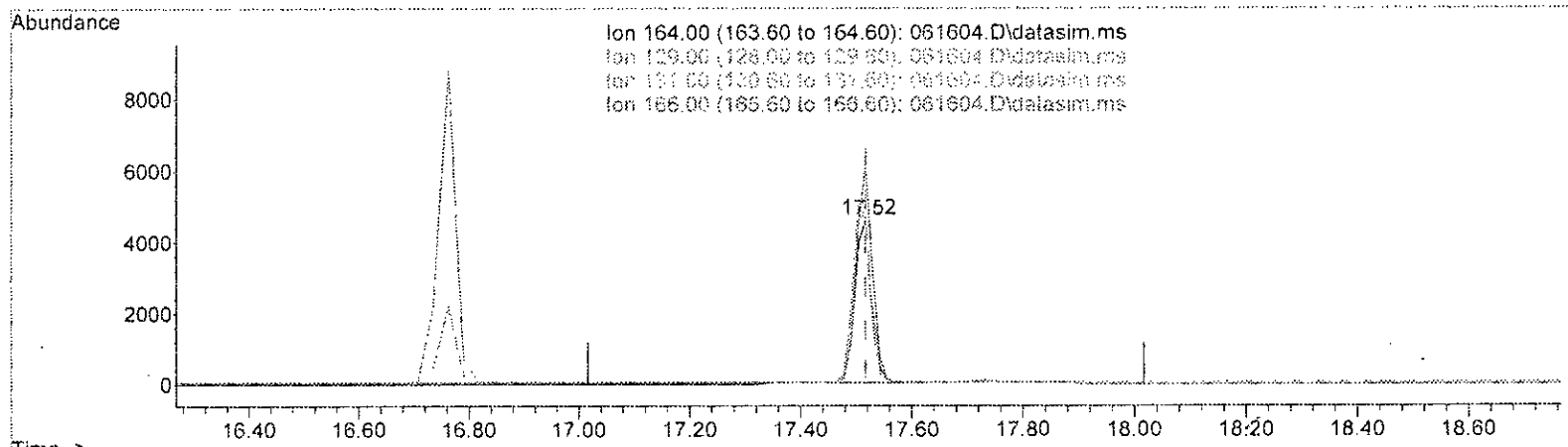
| (53) Tetrachloroethene (TMP) | | |
|------------------------------|------------|--------|
| 17.517min (+ 0.000) | 2.973 ppbv | |
| response | 10247 | |
| Ion | Exp% | Act% |
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.72 |
| 131.00 | 100.70 | 104.74 |
| 166.00 | 137.50 | 133.11 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 2.786 ppbv m

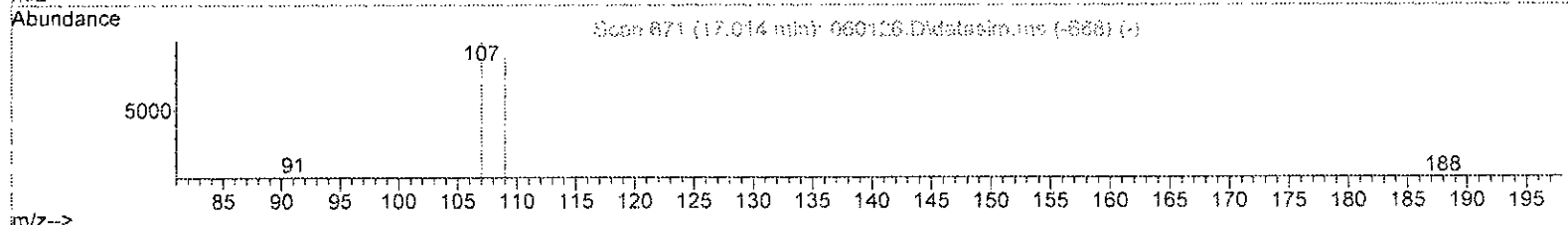
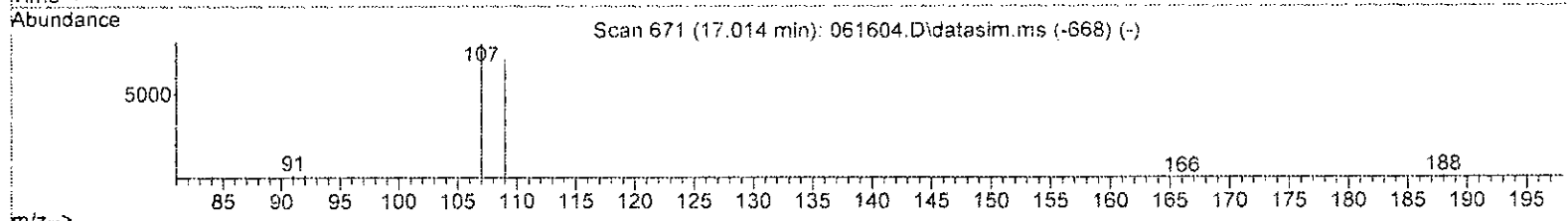
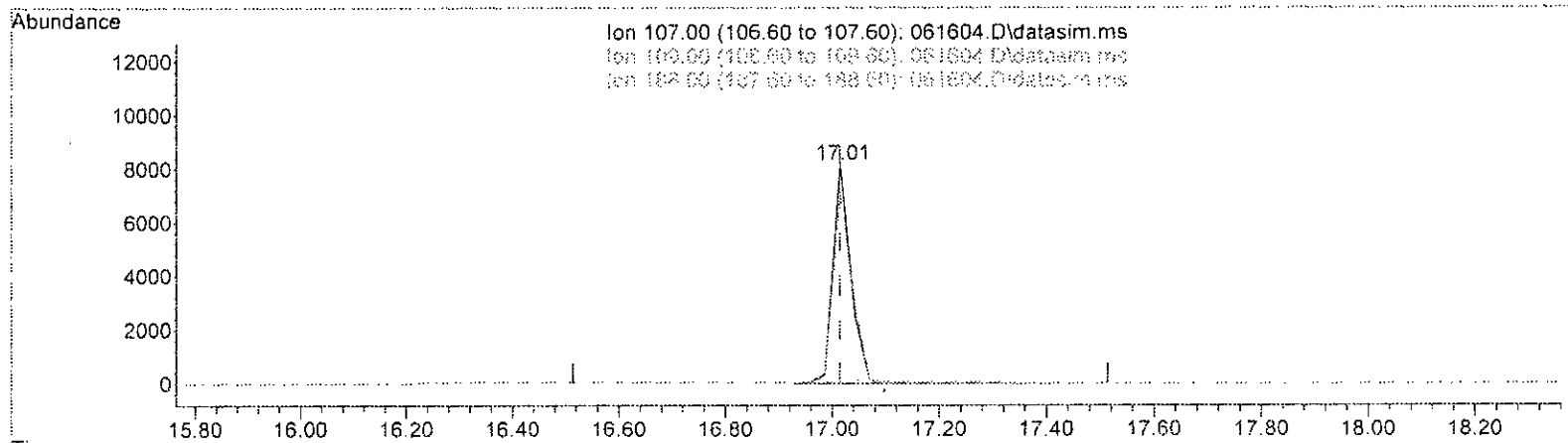
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.73 |
| 131.00 | 100.70 | 104.71 |
| 166.00 | 137.50 | 132.73 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061604.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 2.867 ppbv

response 18977

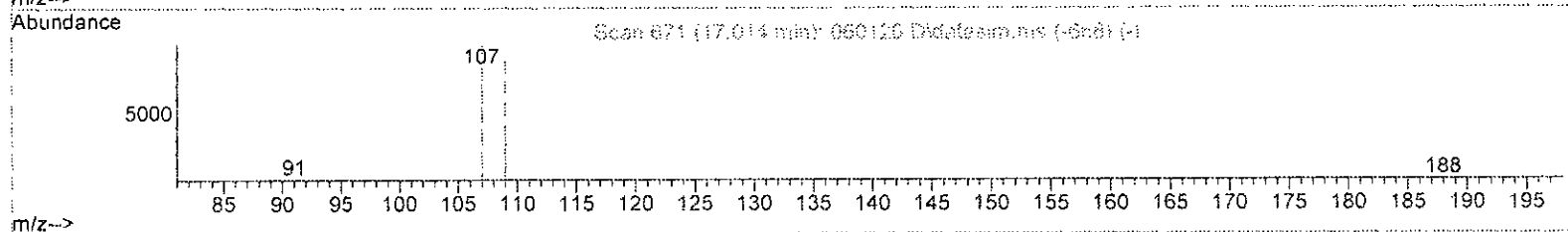
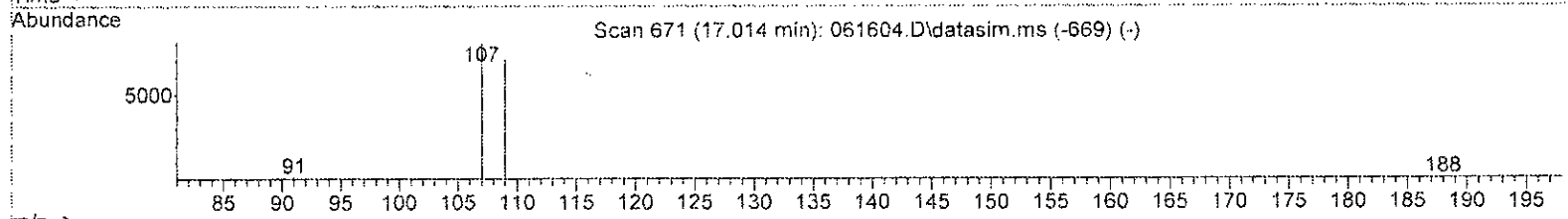
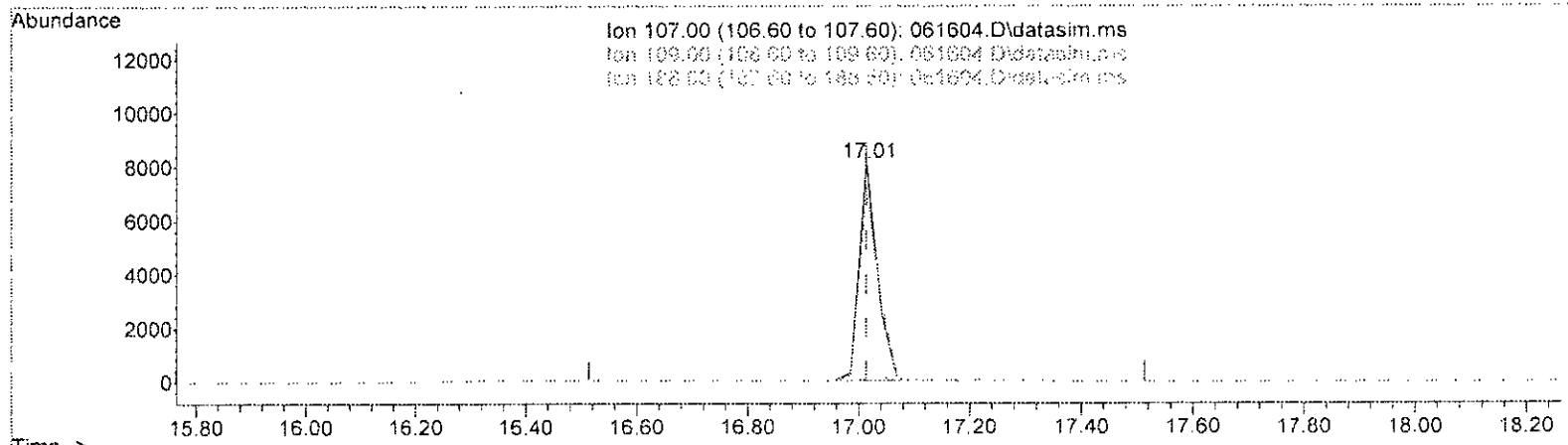
| Ion | Exp% | Act% |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.88 |
| 188.00 | 2.70 | 1.35 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061604.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.014min (+ 0.000) 2.793 ppbv m

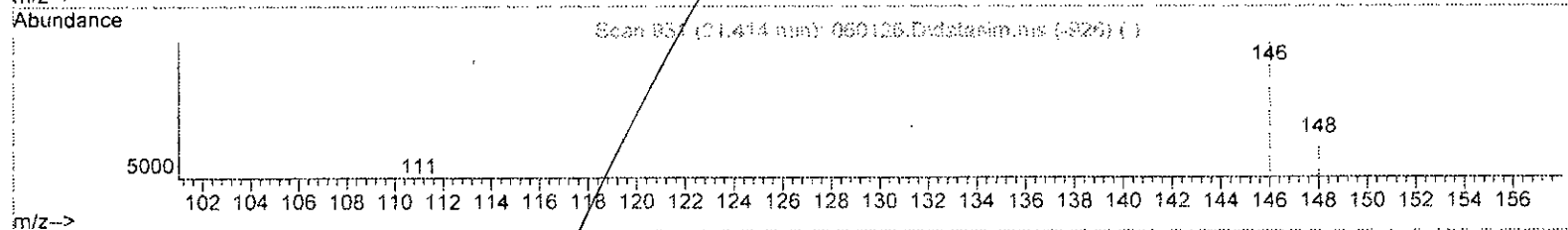
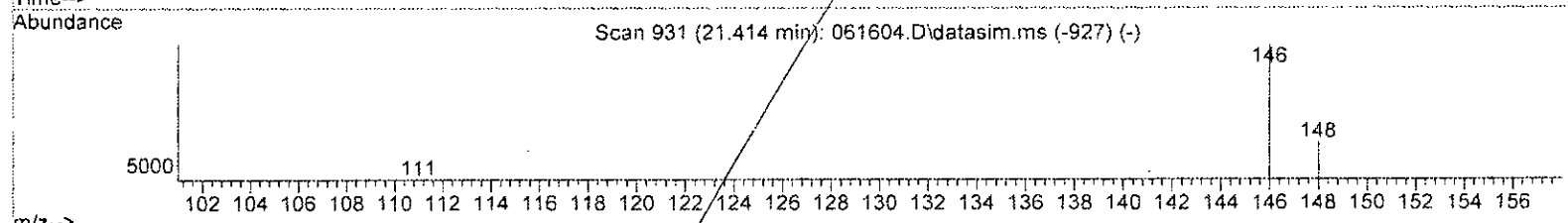
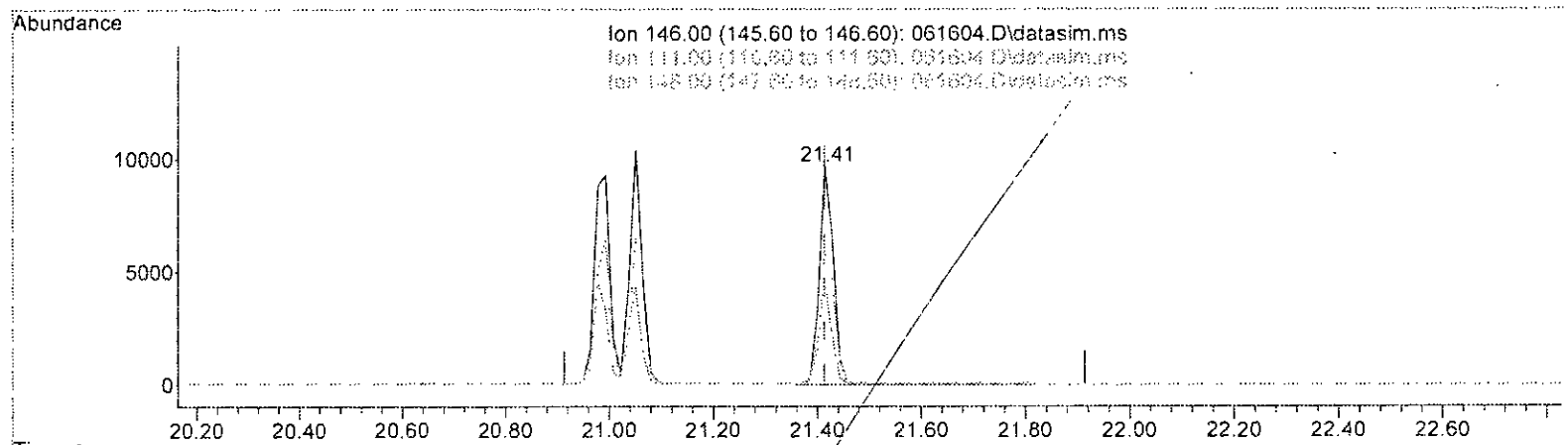
| response | 18487 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 107.00 | 100.00 | 100.00 |
| 109.00 | 104.60 | 87.88 |
| 188.00 | 2.70 | 1.35 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.414min (+ 0.000) 2.806 ppbv

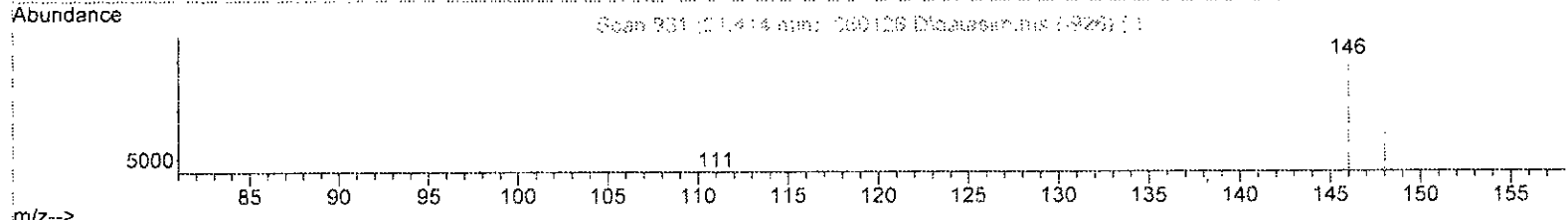
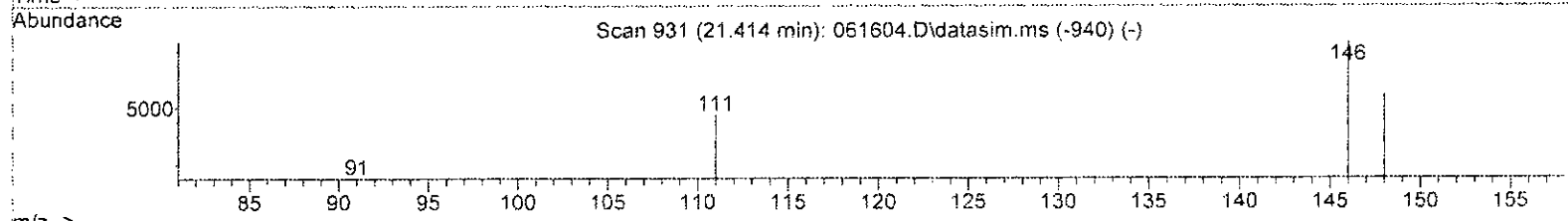
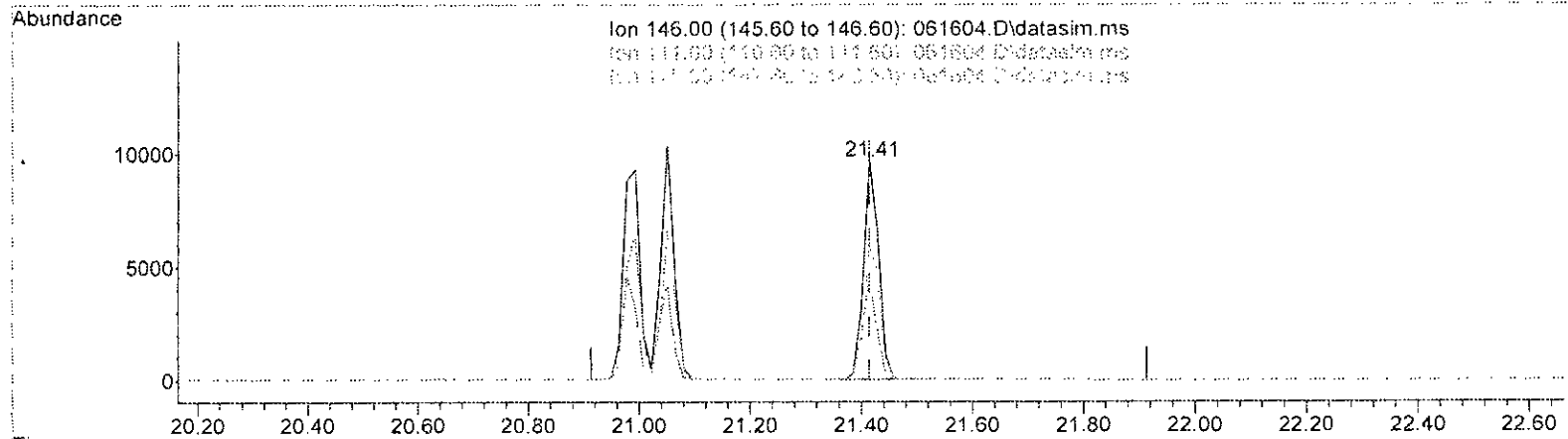
| response | 19205 |
|----------|---------------|
| Ion | Exp% Act% |
| 146.00 | 100.00 100.00 |
| 111.00 | 42.90 46.39 |
| 148.00 | 63.20 60.85 |
| 0.00 | 0.00 0.00 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061604.D\data.ms

| (75) 1,2-Dichlorobenzene (TMP) | | | |
|--------------------------------|--------|--------------|--|
| 21.414min (+ 0.000) | | 2.645 ppbv m | |
| response | 18098 | | |
| Ion | Exp% | Act% | |
| 146.00 | 100.00 | 100.00 | |
| 111.00 | 42.90 | 46.39 | |
| 148.00 | 63.20 | 60.85 | |
| 0.00 | 0.00 | 0.00 | |

Handwritten signature

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 18984 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70949 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 67257 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 48064 | 10.082 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 100.80% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 7379 | 3.005 | ppbv | 84 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 25609 | 3.132 | ppbv | 99 |
| 4) Chloromethane | 3.73 | 50 | 9207 | 2.946 | ppbv | 79 |
| 5) F-114 | 3.88 | 85 | 24791 | 3.066 | ppbv | 97 |
| 6) Vinyl chloride | 4.05 | 62 | 10013 | 2.853 | ppbv | 95 |
| 7) 1,3-Butadiene | 4.21 | 54 | 5648 | 2.457 | ppbv # | 93 |
| 8) Butane | 4.32 | 43 | 13228 | 2.854 | ppbv | 86 |
| 9) Bromomethane | 4.60 | 94 | 9199 | 3.051 | ppbv | 97 |
| 10) Chloroethane | 4.80 | 64 | 3798m | 2.919 | ppbv | |
| 11) Vinyl bromide | 5.26 | 106 | 7981m | 2.541 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 4018 | 3.325 | ppbv | 75 |
| 13) Acrolein | 5.39 | 56 | 2824m | 2.239 | ppbv | |
| 14) Pentane | 6.25 | 43 | 13657 | 2.601 | ppbv | 99 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 27246 | 3.214 | ppbv | 99 |
| 16) Acetone | 5.55 | 58 | 3785 | 2.892 | ppbv # | 79 |
| 17) 2-Propanol | 5.78 | 45 | 17163 | 2.705 | ppbv # | 100 |
| 18) 1,1-Dichloroethene | 6.65 | 96 | 7875 | 2.615 | ppbv | 95 |
| 19) trans-1,2-Dichloroethene | 8.07 | 96 | 7624 | 2.561 | ppbv # | 84 |
| 20) Methylene chloride | 6.78 | 84 | 8253 | 2.928 | ppbv | 85 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 14570 | 2.605 | ppbv # | 64 |
| 22) 3-Chloropropene | 6.94 | 41 | 11201 | 2.723 | ppbv | 93 |
| 23) CFC-113 | 7.15 | 101 | 19135 | 2.968 | ppbv | 92 |
| 24) Carbon disulfide | 7.25 | 76 | 27773 | 2.901 | ppbv | 96 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 15630 | 2.309 | ppbv | 90 |
| 26) Vinyl acetate | 8.51 | 43 | 21430m | 2.605 | ppbv | |
| 27) 1,1-Dichloroethane | 8.33 | 63 | 19117 | 2.952 | ppbv | 96 |
| 28) cis-1,2-Dichloroethene | 9.60 | 96 | 7745 | 2.394 | ppbv # | 81 |
| 29) Hexane | 9.99 | 57 | 8927 | 2.272 | ppbv | 74 |
| 30) Chloroform | 10.07 | 83 | 21442 | 2.820 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 21528m | 2.883 | ppbv | |
| 32) Tetrahydrofuran | 10.72 | 42 | 8946 | 2.552 | ppbv | 87 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 2914 | 2.532 | ppbv # | 81 |
| 34) 1,2-Dichloroethane (EDC) | 11.30 | 62 | 14385m | 2.953 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.79 | 97 | 19027 | 2.883 | ppbv | 95 |
| 36) Carbon tetrachloride | 12.83 | 117 | 19384 | 2.888 | ppbv | 98 |
| 37) Benzene | 12.58 | 78 | 25562 | 2.463 | ppbv | 99 |
| 38) Cyclohexane | 13.05 | 84 | 5661 | 2.201 | ppbv | 91 |
| 40) 1,2-Dichloropropane | 13.77 | 63 | 13050m | 3.058 | ppbv | |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

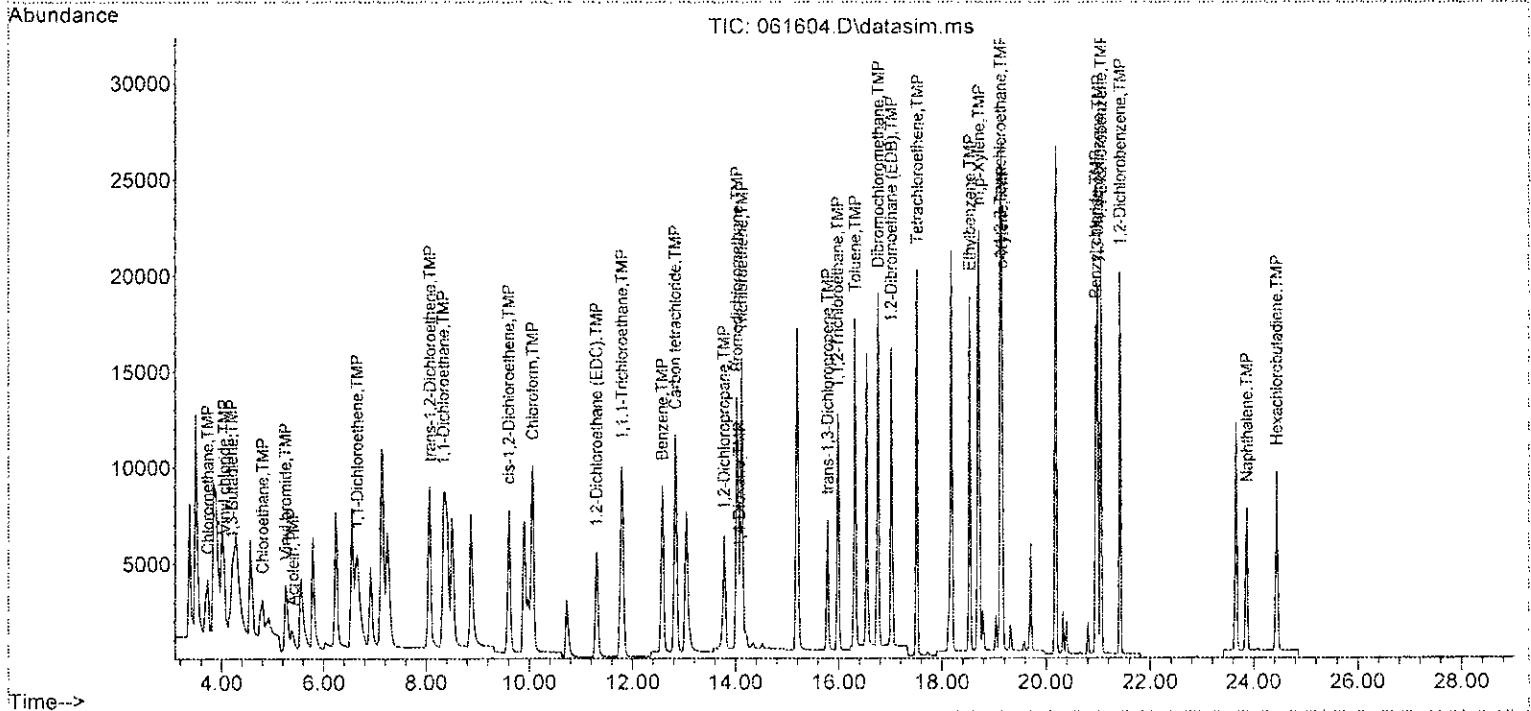
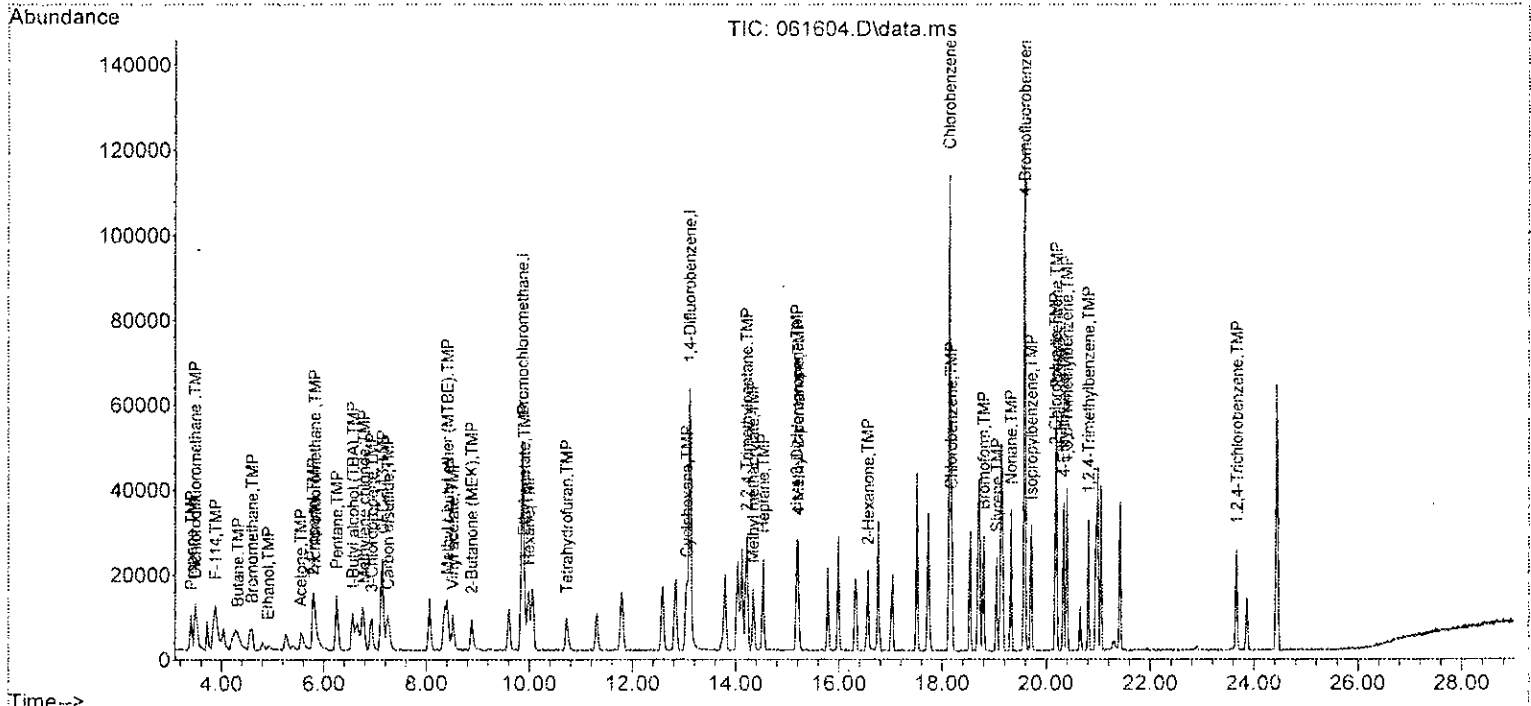
Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 4509 | 2.400 | ppbv | 97 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 34757 | 2.710 | ppbv # | 75 |
| 43) Methyl methacrylate | 14.34 | 41 | 11539 | 2.945 | ppbv # | 93 |
| 44) Heptane | 14.53 | 43 | 12028 | 2.720 | ppbv | 97 |
| 45] Bromodichloromethane | 14.02 | 83 | 21980 | 3.182 | ppbv | 99 |
| 46] Trichloroethene | 14.12 | 95 | 12708 | 2.915 | ppbv | 99 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 14127 | 2.889 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 901 | 2.710 | ppbv # | 39 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 13527 | 2.745 | ppbv | 92 |
| 50] Toluene | 16.31 | 92 | 13011m | 2.315 | ppbv | |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 12243m | 3.009 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 19723 | 2.921 | ppbv | 89 |
| 53] Tetrachloroethene | 17.52 | 164 | 9602m | 2.786 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 19468 | 2.906 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 18487m | 2.793 | ppbv | |
| 57) Chlorobenzene | 18.17 | 112 | 19375 | 2.692 | ppbv | 95 |
| 58] Ethylbenzene | 18.53 | 91 | 25489 | 2.181 | ppbv | 98 |
| 59] 1,1,2,2-Tetrachloroethane | 19.12 | 83 | 30002 | 2.913 | ppbv | 89 |
| 60) Nonane | 19.32 | 43 | 13217 | 2.619 | ppbv | 91 |
| 61) Isopropylbenzene | 19.72 | 105 | 23263 | 2.311 | ppbv | 99 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 6591 | 2.442 | ppbv | 90 |
| 63) Propylbenzene | 20.19 | 91 | 51048 | 2.514 | ppbv | 95 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 22775 | 2.306 | ppbv | 99 |
| 65] m,p-Xylene | 18.70 | 106 | 17613 | 4.221 | ppbv | 99 |
| 66] o-Xylene | 19.15 | 106 | 8171 | 2.307 | ppbv | 95 |
| 67) Styrene | 19.05 | 104 | 11513 | 2.232 | ppbv | 96 |
| 68) Bromoform | 18.80 | 173 | 15514 | 2.453 | ppbv | 98 |
| 70] Benzyl chloride | 20.95 | 91 | 25114 | 2.759 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 22037 | 2.472 | ppbv | 97 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 17826 | 2.264 | ppbv | 99 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 19209 | 2.713 | ppbv | 89 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 17145 | 2.581 | ppbv | 92 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 18098m | 2.645 | ppbv | |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 11467 | 2.136 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 15759 | 1.846 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 19712 | 2.658 | ppbv | 98 |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Bromochloromethane | 10.000 | 10.000 | 0.0 | 93 | 0.00 |
| 2 TMP Propene | 2.500 | 3.005 | -20.2 | 105 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 2.500 | 3.132 | -25.3 | 93 | 0.00 |
| 4 TMP Chloromethane | 2.500 | 2.946 | -17.8 | 97 | 0.04 |
| 5 TMP F-114 | 2.500 | 3.066 | -22.6 | 93 | 0.00 |
| 6 TMP Vinyl chloride | 2.500 | 2.853 | -14.1 | 92 | 0.04 |
| 7 TMP 1,3-Butadiene | 2.500 | 2.457 | 1.7 | 82 | 0.00 |
| 8 TMP Butane | 2.500 | 2.854 | -14.2 | 92 | 0.04 |
| 9 TMP Bromomethane | 2.500 | 3.051 | -22.0 | 93 | 0.04 |
| 10 TMP Chloroethane | 2.500 | 2.919 | -16.8 | 96 | 0.00 |
| 11 TMP Vinyl bromide | 2.500 | 2.541 | -1.6 | 82 | 0.00 |
| 12 TMP Ethanol | 2.500 | 3.325 | -33.0# | 99 | -0.04 |
| 13 TMP Acrolein | 2.500 | 2.239 | 10.4 | 82 | 0.02 |
| 14 TMP Pentane | 2.500 | 2.601 | -4.0 | 87 | 0.00 |
| 15 TMP Trichlorofluoromethane | 2.500 | 3.214 | -28.6 | 94 | 0.00 |
| 16 TMP Acetone | 2.500 | 2.892 | -15.7 | 95 | 0.00 |
| 17 TMP 2-Propanol | 2.500 | 2.705 | -8.2 | 85 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 2.500 | 2.615 | -4.6 | 87 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 2.500 | 2.561 | -2.4 | 84 | 0.00 |
| 20 TMP Methylene chloride | 2.500 | 2.928 | -17.1 | 95 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.500 | 2.605 | -4.2 | 85 | 0.00 |
| 22 TMP 3-Chloropropene | 2.500 | 2.723 | -8.9 | 89 | 0.00 |
| 23 TMP CFC-113 | 2.500 | 2.968 | -18.7 | 91 | 0.00 |
| 24 TMP Carbon disulfide | 2.500 | 2.901 | -16.0 | 93 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 2.500 | 2.309 | 7.6 | 73 | 0.00 |
| 26 TMP Vinyl acetate | 2.500 | 2.605 | -4.2 | 87 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 2.500 | 2.952 | -18.1 | 96 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 2.500 | 2.394 | 4.2 | 81 | 0.00 |
| 29 TMP Hexane | 2.500 | 2.272 | 9.1 | 73 | 0.00 |
| 30 TMP Chloroform | 2.500 | 2.820 | -12.8 | 95 | 0.00 |
| 31 TMP Ethyl acetate | 2.500 | 2.883 | -15.3 | 95 | 0.00 |
| 32 TMP Tetrahydrofuran | 2.500 | 2.552 | -2.1 | 84 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 2.500 | 2.532 | -1.3 | 85 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.500 | 2.953 | -18.1 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 2.500 | 2.883 | -15.3 | 93 | 0.00 |
| 36 TMP Carbon tetrachloride | 2.500 | 2.888 | -15.5 | 93 | 0.00 |
| 37 TMP Benzene | 2.500 | 2.463 | 1.5 | 85 | 0.00 |
| 38 TMP Cyclohexane | 2.500 | 2.201 | 12.0 | 70 | 0.00 |
| 39 I 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 81 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 2.500 | 3.058 | -22.3 | 92 | 0.00 |
| 41 TMP 1,4-Dioxane | 2.500 | 2.400 | 4.0 | 73 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 2.500 | 2.710 | -8.4 | 79 | 0.00 |
| 43 TMP Methyl methacrylate | 2.500 | 2.945 | -17.8 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 2.500 | 2.720 | -8.8 | 81 | 0.00 |
| 45 TMP Bromodichloromethane | 2.500 | 3.182 | -27.3 | 93 | 0.00 |
| 46 TMP Trichloroethene | 2.500 | 2.915 | -16.6 | 86 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 2.500 | 2.889 | -15.6 | 84 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 2.500 | 2.710 | -8.4 | 83 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 2.500 | 2.745 | -9.8 | 83 | 0.00 |
| 50 TMP Toluene | 2.500 | 2.315 | 7.4 | 74 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 2.500 | 3.009 | -20.4 | 92 | 0.00 |
| 52 TMP 2-Hexanone | 2.500 | 2.921 | -16.8 | 90 | 0.00 |
| 53 TMP Tetrachloroethene | 2.500 | 2.786 | -11.4 | 78 | 0.00 |
| 54 TMP Dibromochloromethane | 2.500 | 2.906 | -16.2 | 87 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.793 | -11.7 | 85 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 87 | 0.00 |
| 57 TMP Chlorobenzene | 2.500 | 2.692 | -7.7 | 81 | 0.00 |
| 58 TMP Ethylbenzene | 2.500 | 2.181 | 12.8 | 72 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.913 | -16.5 | 94 | -0.02 |
| 60 TMP Nonane | 2.500 | 2.619 | -4.8 | 82 | 0.00 |
| 61 TMP Isopropylbenzene | 2.500 | 2.311 | 7.6 | 73 | 0.00 |
| 62 TMP 2-Chlorotoluene | 2.500 | 2.442 | 2.3 | 77 | 0.00 |
| 63 TMP Propylbenzene | 2.500 | 2.514 | -0.6 | 79 | 0.00 |
| 64 TMP 4-Ethyltoluene | 2.500 | 2.306 | 7.8 | 74 | 0.00 |
| 65 TMP m,p-Xylene | 5.000 | 4.221 | 15.6 | 72 | 0.00 |
| 66 TMP o-Xylene | 2.500 | 2.307 | 7.7 | 74 | 0.00 |
| 67 TMP Styrene | 2.500 | 2.232 | 10.7 | 70 | 0.00 |
| 68 TMP Bromoform | 2.500 | 2.453 | 1.9 | 80 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.082 | -0.8 | 87 | 0.00 |
| 70 TMP Benzyl chloride | 2.500 | 2.759 | -10.4 | 87 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 2.500 | 2.472 | 1.1 | 79 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 2.500 | 2.264 | 9.4 | 70 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 2.500 | 2.713 | -8.5 | 85 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 2.500 | 2.581 | -3.2 | 82 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 2.500 | 2.645 | -5.8 | 83 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 2.500 | 2.136 | 14.6 | 72 | 0.00 |
| 77 TMP Naphthalene | 2.500 | 1.846 | 26.2 | 65 | 0.00 |
| 78 TMP Hexachlorobutadiene | 2.500 | 2.658 | -6.3 | 84 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|--------|-------|----------|
| 1 I Bromochloromethane | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 2 TMP Propene | 1.293 | 1.555 | -20.3 | 105 | 0.00 |
| 3 TMP Dichlorodifluoromethane | 4.308 | 5.396 | -25.3 | 93 | 0.00 |
| 4 TMP Chloromethane | 1.646 | 1.940 | -17.9 | 97 | 0.04 |
| 5 TMP F-114 | 4.259 | 5.224 | -22.7 | 93 | 0.00 |
| 6 TMP Vinyl chloride | 1.849 | 2.110 | -14.1 | 92 | 0.04 |
| 7 TMP 1,3-Butadiene | 1.211 | 1.190 | 1.7 | 82 | 0.00 |
| 8 TMP Butane | 2.441 | 2.787 | -14.2 | 92 | 0.04 |
| 9 TMP Bromomethane | 1.588 | 1.938 | -22.0 | 93 | 0.04 |
| 10 TMP Chloroethane | 0.685 | 0.800 | -16.8 | 96 | 0.00 |
| 11 TMP Vinyl bromide | 1.655 | 1.682 | -1.6 | 82 | 0.00 |
| 12 TMP Ethanol | 0.637 | 0.847 | -33.0# | 99 | -0.04 |
| 13 TMP Acrolein | 0.664 | 0.595 | 10.4 | 82 | 0.02 |
| 14 TMP Pentane | 2.765 | 2.878 | -4.1 | 87 | 0.00 |
| 15 TMP Trichlorofluoromethane | 4.466 | 5.741 | -28.5 | 94 | 0.00 |
| 16 TMP Acetone | 0.689 | 0.798 | -15.8 | 95 | 0.00 |
| 17 TMP 2-Propanol | 3.342 | 3.616 | -8.2 | 85 | 0.00 |
| 18 TMP 1,1-Dichloroethene | 1.587 | 1.659 | -4.5 | 87 | 0.00 |
| 19 TMP trans-1,2-Dichloroethene | 1.568 | 1.606 | -2.4 | 84 | 0.00 |
| 20 TMP Methylene chloride | 1.485 | 1.739 | -17.1 | 95 | 0.03 |
| 21 TMP t-Butyl alcohol (TBA) | 2.946 | 3.070 | -4.2 | 85 | 0.00 |
| 22 TMP 3-Chloropropene | 2.167 | 2.360 | -8.9 | 89 | 0.00 |
| 23 TMP CFC-113 | 3.396 | 4.032 | -18.7 | 91 | 0.00 |
| 24 TMP Carbon disulfide | 5.043 | 5.852 | -16.0 | 93 | 0.00 |
| 25 TMP Methyl t-butyl ether (MTBE) | 3.565 | 3.293 | 7.6 | 73 | 0.00 |
| 26 TMP Vinyl acetate | 4.333 | 4.515 | -4.2 | 87 | 0.00 |
| 27 TMP 1,1-Dichloroethane | 3.411 | 4.028 | -18.1 | 96 | 0.00 |
| 28 TMP cis-1,2-Dichloroethene | 1.704 | 1.632 | 4.2 | 81 | 0.00 |
| 29 TMP Hexane | 2.070 | 1.881 | 9.1 | 73 | 0.00 |
| 30 TMP Chloroform | 4.005 | 4.518 | -12.8 | 95 | 0.00 |
| 31 TMP Ethyl acetate | 3.933 | 4.536 | -15.3 | 95 | 0.00 |
| 32 TMP Tetrahydrofuran | 1.847 | 1.885 | -2.1 | 84 | 0.00 |
| 33 TMP 2-Butanone (MEK) | 0.606 | 0.614 | -1.3 | 85 | 0.00 |
| 34 TMP 1,2-Dichloroethane (EDC) | 2.566 | 3.031 | -18.1 | 99 | 0.00 |
| 35 TMP 1,1,1-Trichloroethane | 3.477 | 4.009 | -15.3 | 93 | 0.00 |
| 36 TMP Carbon tetrachloride | 3.536 | 4.084 | -15.5 | 93 | 0.00 |
| 37 TMP Benzene | 5.466 | 5.386 | 1.5 | 85 | 0.00 |
| 38 TMP Cyclohexane | 1.355 | 1.193 | 12.0 | 70 | 0.00 |
| 39 I 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 40 TMP 1,2-Dichloropropane | 0.601 | 0.736 | -22.5 | 92 | 0.00 |
| 41 TMP 1,4-Dioxane | 0.265 | 0.254 | 4.2 | 73 | 0.00 |
| 42 TMP 2,2,4-Trimethylpentane | 1.808 | 1.960 | -8.4 | 79 | 0.00 |
| 43 TMP Methyl methacrylate | 0.552 | 0.651 | -17.9 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061604.D
 Acq On : 16 Jun 2023 11:12 am
 Operator : bat
 Sample : 03-1448 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 17:10:17 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.678 | -8.8 | 81 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.239 | -27.2 | 93 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.716 | -16.4 | 86 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.796 | -15.5 | 84 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.051 | -8.5 | 83 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.763 | -9.8 | 83 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.734 | 7.3 | 74 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.690 | -20.4 | 92 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 1.112 | -16.8 | 90 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.541 | -11.3 | 78 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 1.098 | -16.3 | 87 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.042 | -11.7 | 85 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.152 | -7.7 | 81 | 0.00 |
| 58 TMP Ethylbenzene | 1.738 | 1.516 | 12.8 | 72 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.784 | -16.5 | 94 | -0.02 |
| 60 TMP Nonane | 0.750 | 0.786 | -4.8 | 82 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.384 | 7.5 | 73 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.392 | 2.2 | 77 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 3.036 | -0.6 | 79 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.355 | 7.7 | 74 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.524 | 15.5 | 72 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.486 | 7.8 | 74 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.685 | 10.7 | 70 | 0.00 |
| 68 TMP Bromoform | 0.940 | 0.923 | 1.8 | 80 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.715 | -0.8 | 87 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.494 | -10.4 | 87 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.311 | 1.1 | 79 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 1.060 | 9.5 | 70 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.142 | -8.5 | 85 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 1.020 | -3.2 | 82 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 1.076 | -5.8 | 83 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.682 | 14.5 | 72 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.937 | 23.8 | 65 | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.172 | -6.3 | 84 | 0.00 |

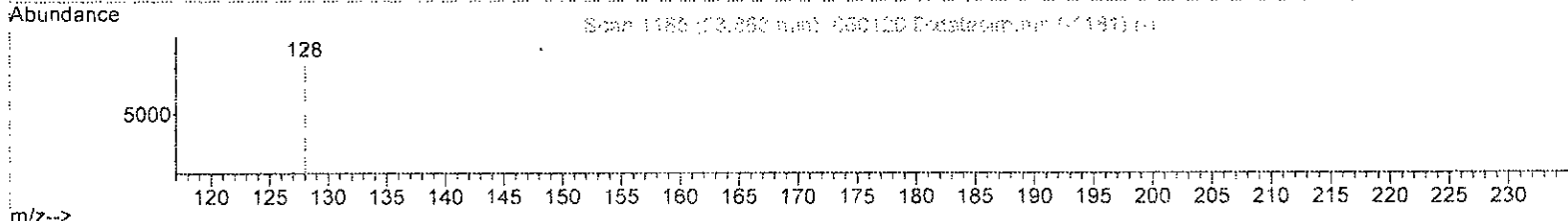
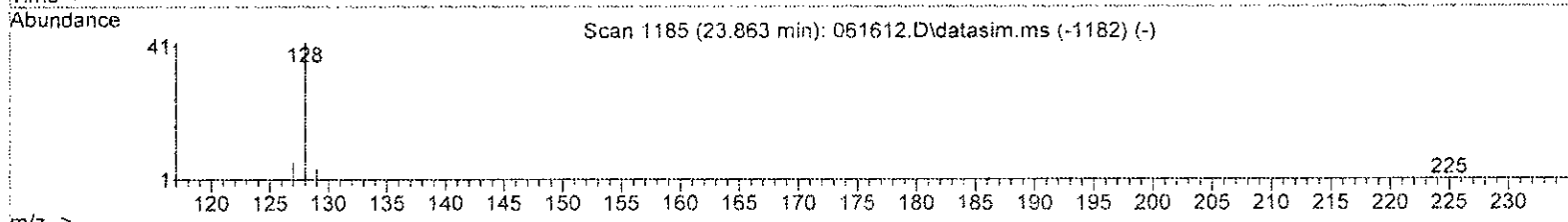
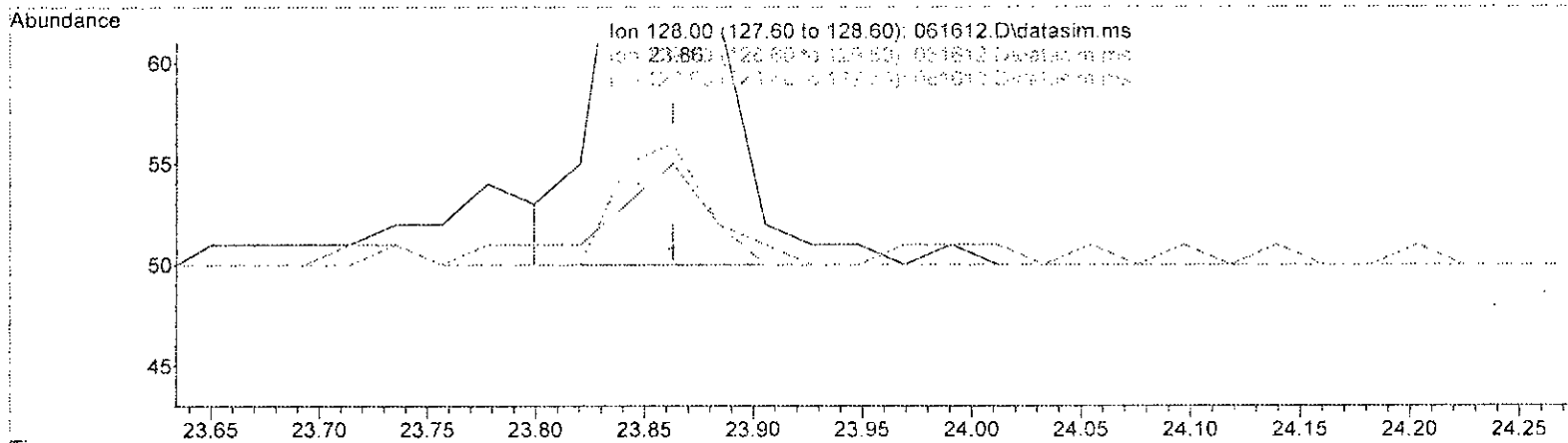
(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061612.D
 Acq On : 16 Jun 2023 4:36 pm
 Operator : bat
 Sample : 03-1448 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 16 17:00:44 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061612.D\data.ms

(77) Naphthalene (TMP)

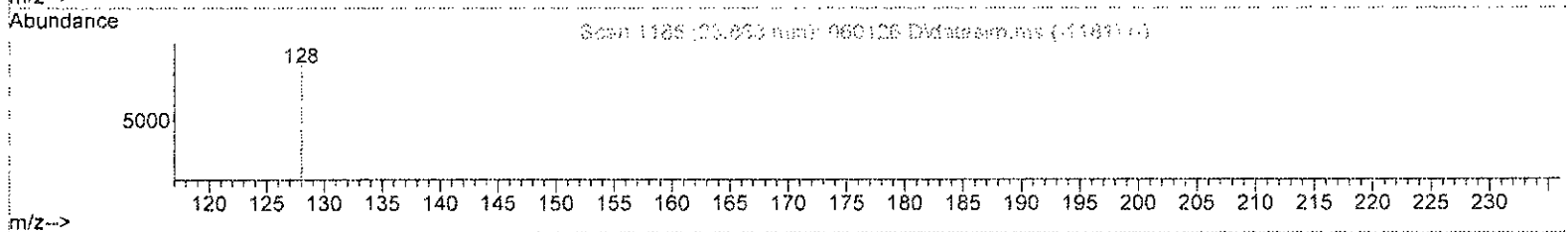
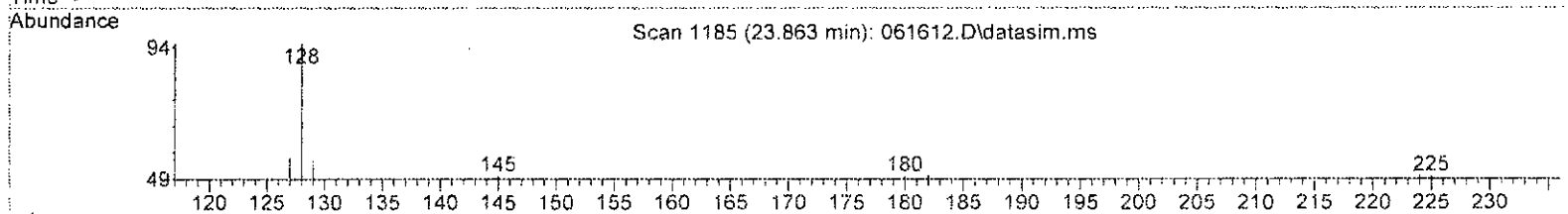
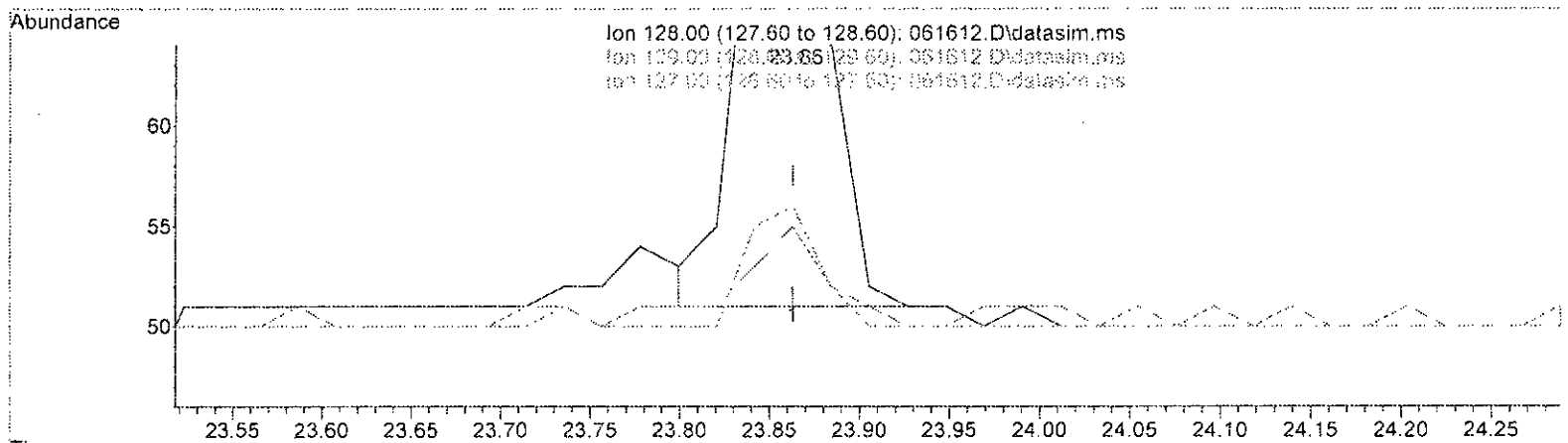
23.863min (-0.000) 0.015 ppbv

| response | 124 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 128.00 | 100.00 | 100.00 |
| 129.00 | 11.00 | 11.11 |
| 127.00 | 13.20 | 13.33 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061612.D
 Acq On : 16 Jun 2023 4:36 pm
 Operator : bat
 Sample : 03-1448 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 16 17:00:44 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061612.D\data.ms

(77) Naphthalene (TMP)
 23.863min (-0.000) 0.013 ppbv m

| response | 114 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 128.00 | 100.00 | 100.00 |
| 129.00 | 11.00 | 57.89# |
| 127.00 | 13.20 | 58.95# |
| 0.00 | 0.00 | 0.00 |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061612.D
 Acq On : 16 Jun 2023 4:36 pm
 Operator : bat
 Sample : 03-1448 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

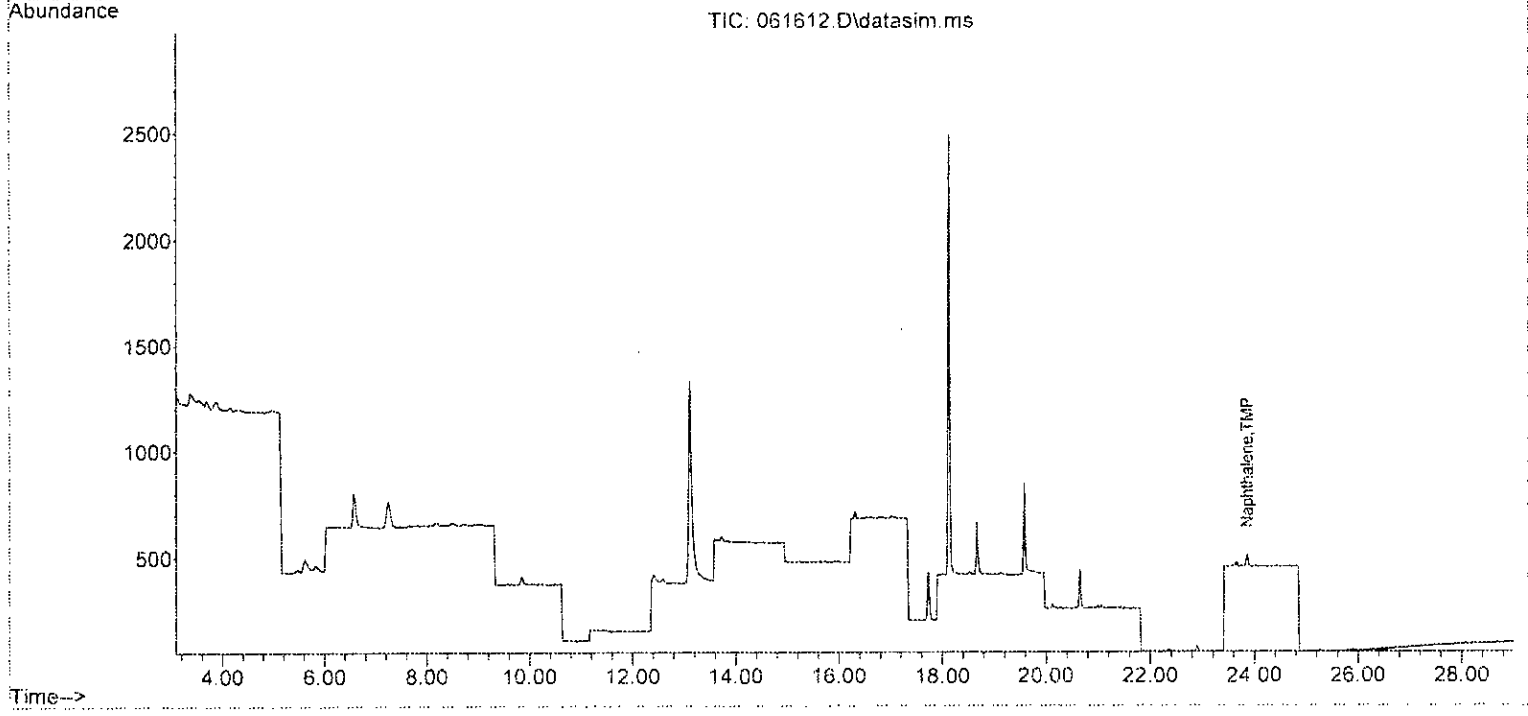
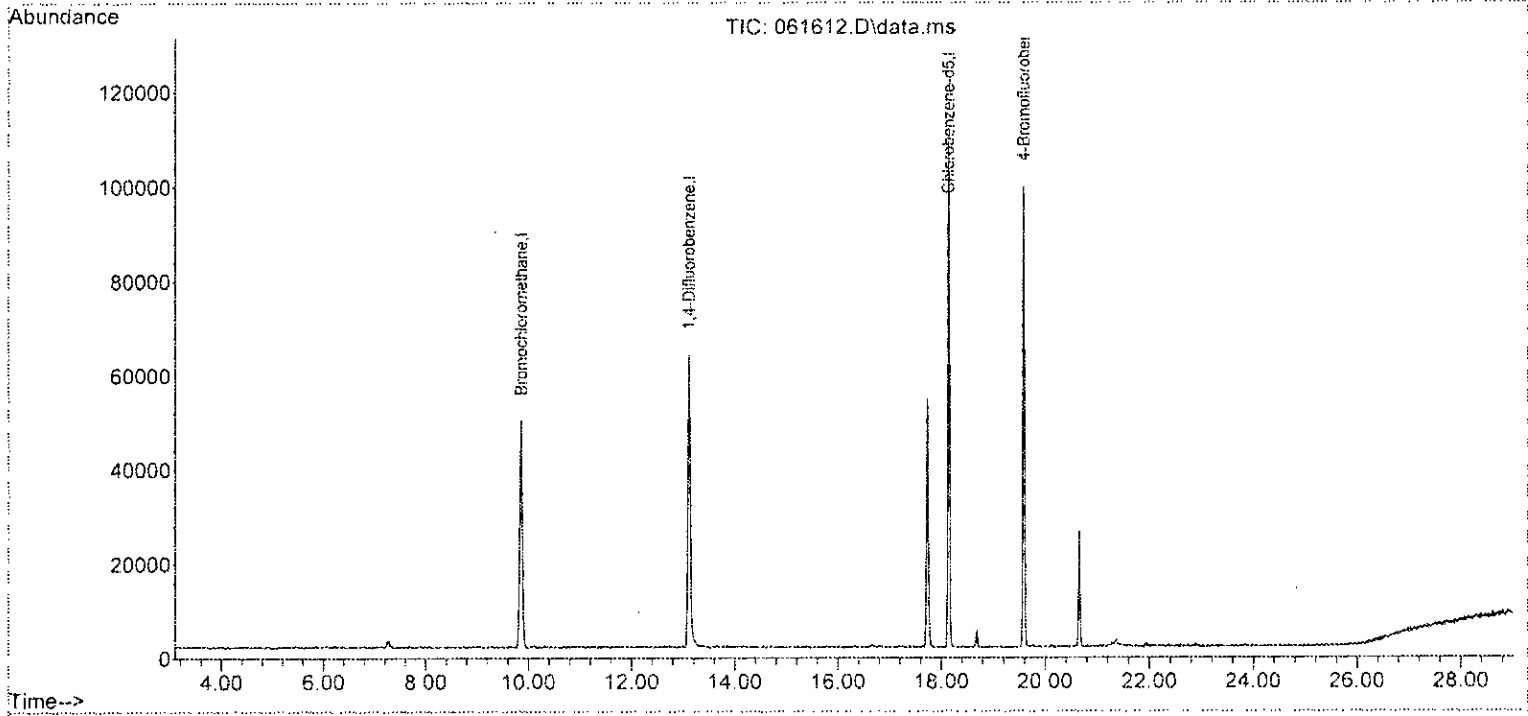
Quant Time: Jun 16 17:00:44 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

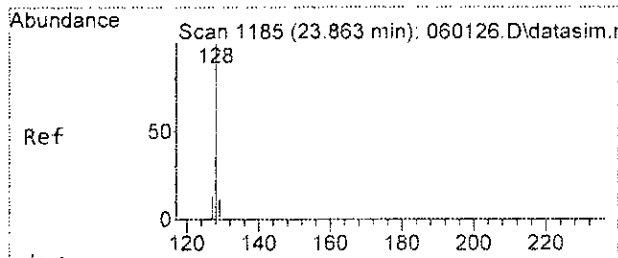
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20295 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72992 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 69196 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43820 | 8.934 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.30% |
| Target Compounds | | | | | | |
| 77] Naphthalene | 23.86 | 128 | 114m | 0.013 | ppbv | Qvalue |
| ----- | | | | | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061612.D
Acq On : 16 Jun 2023 4:36 pm
Operator : bat
Sample : 03-1448 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jun 16 17:00:44 2023
Quant Method : D:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

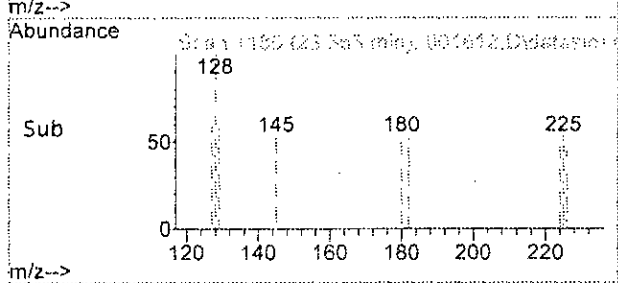
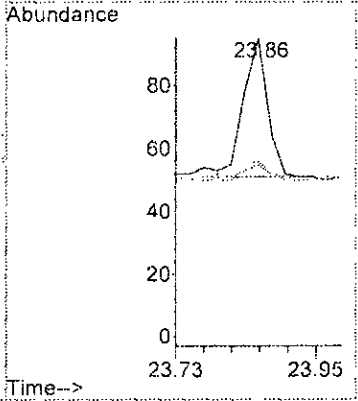
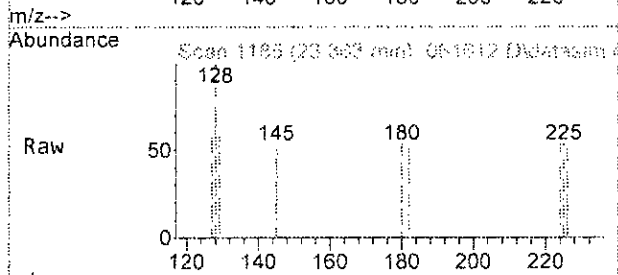




#77
 Naphthalene
 Concen: 0.013 ppbv m
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061612.D
 Acq: 16 Jun 2023 4:36 pm

Tgt Ion: 128 Resp: 114

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 57.9 | 0.0 | 41.0# |
| 127 | 58.9 | 0.0 | 43.2# |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061612.D
 Acq On : 16 Jun 2023 4:36 pm
 Operator : bat
 Sample : 03-1448 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 16 17:00:44 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20295 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72992 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 69196 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43820 | 8.934 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.30% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | |
| 4) Chloromethane | 3.69 | 50 | 112 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 0.00 | | 0 | | N.D. | d |
| 12) Ethanol | 0.00 | | 0 | | N.D. | |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 0.00 | | 0 | | N.D. | |
| 17) 2-Propanol | 0.00 | | 0 | | N.D. | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 20) Methylene chloride | 0.00 | | 0 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 7.25 | 76 | 188 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 0.00 | | 0 | | N.D. | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30) Chloroform | 0.00 | | 0 | | N.D. | d |
| 31) Ethyl acetate | 0.00 | | 0 | | N.D. | |
| 32) Tetrahydrofuran | 0.00 | | 0 | | N.D. | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. | d |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 36) Carbon tetrachloride | 0.00 | | 0 | | N.D. | |
| 37) Benzene | 12.58 | 78 | 137 | | N.D. | |
| 38) Cyclohexane | 13.11 | 84 | 269 | | N.D. | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | d |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061612.D
 Acq On : 16 Jun 2023 4:36 pm
 Operator : bat
 Sample : 03-1448 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

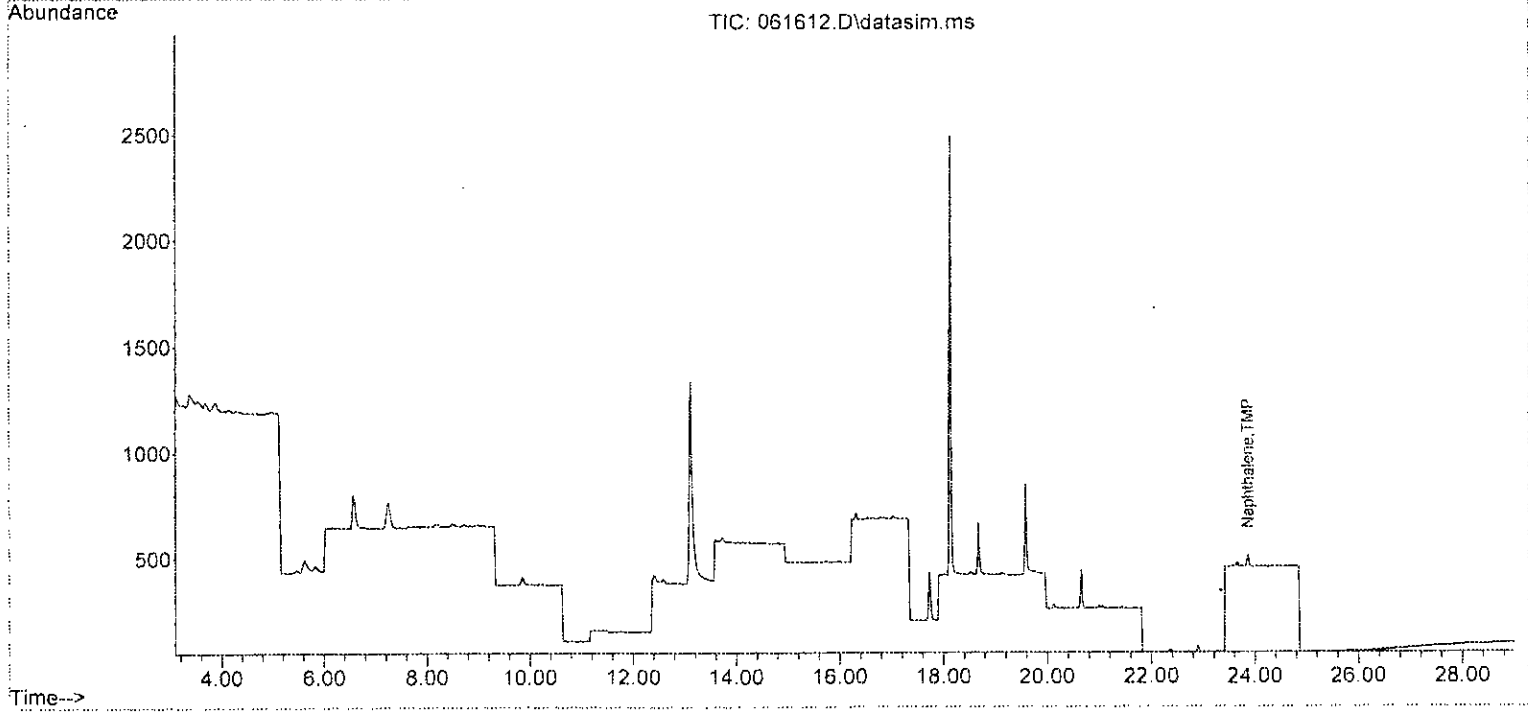
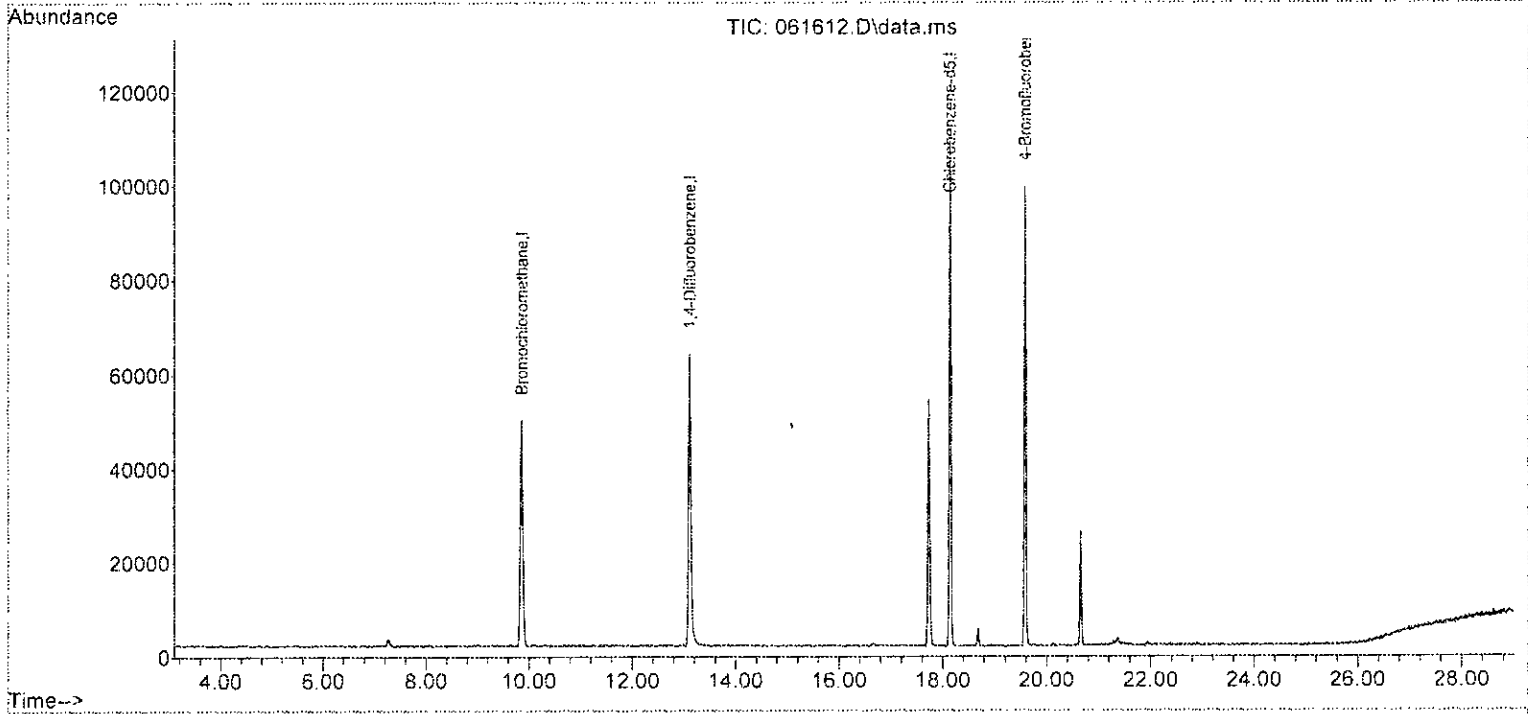
Quant Time: Jun 16 17:00:44 2023
 Quant Method : D:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 13.77 | 88 | 21 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 0.00 | | 0 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 785 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 0.00 | | 0 | | N.D. | |
| 53) Tetrachloroethene | 17.35 | 164 | 81 | | N.D. | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 21 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 60) Nonane | 0.00 | | 0 | | N.D. | |
| 61) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 0.00 | | 0 | | N.D. | |
| 64) 4-Ethyltoluene | 0.00 | | 0 | | N.D. | |
| 65) m,p-Xylene | 18.68 | 106 | 50 | | N.D. | |
| 66) o-Xylene | 0.00 | | 0 | | N.D. | |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. | |
| 71) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 20.64 | 146 | 20 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 20.64 | 146 | 20 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 114m | 0.013 | ppbv | |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061612.D
Acq On : 16 Jun 2023 4:36 pm
Operator : bat
Sample : 03-1448 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

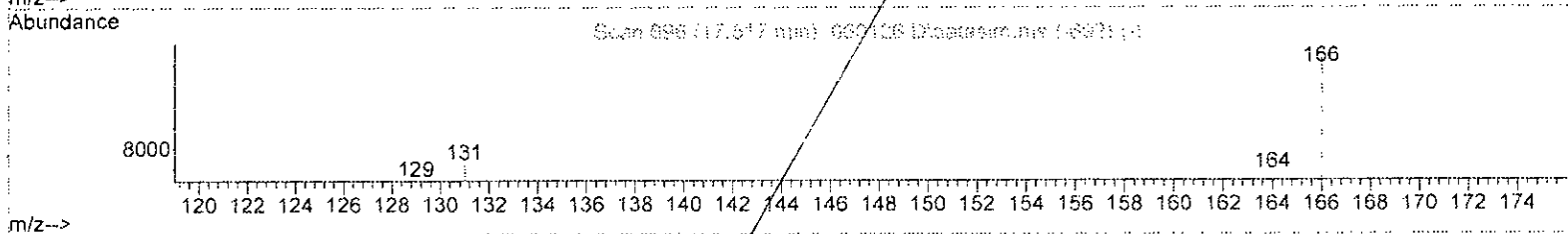
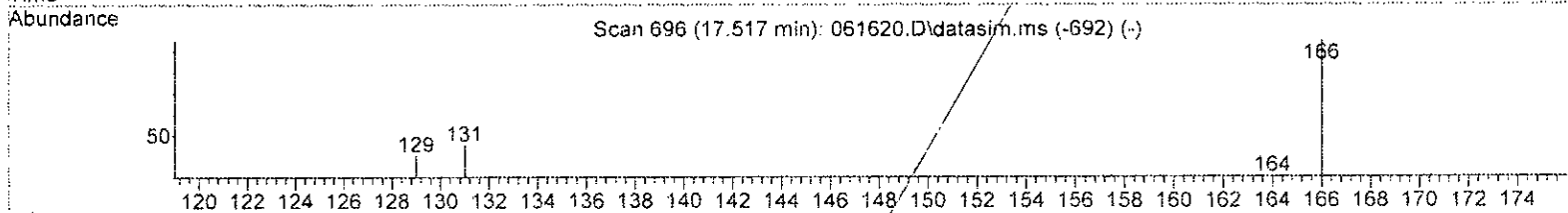
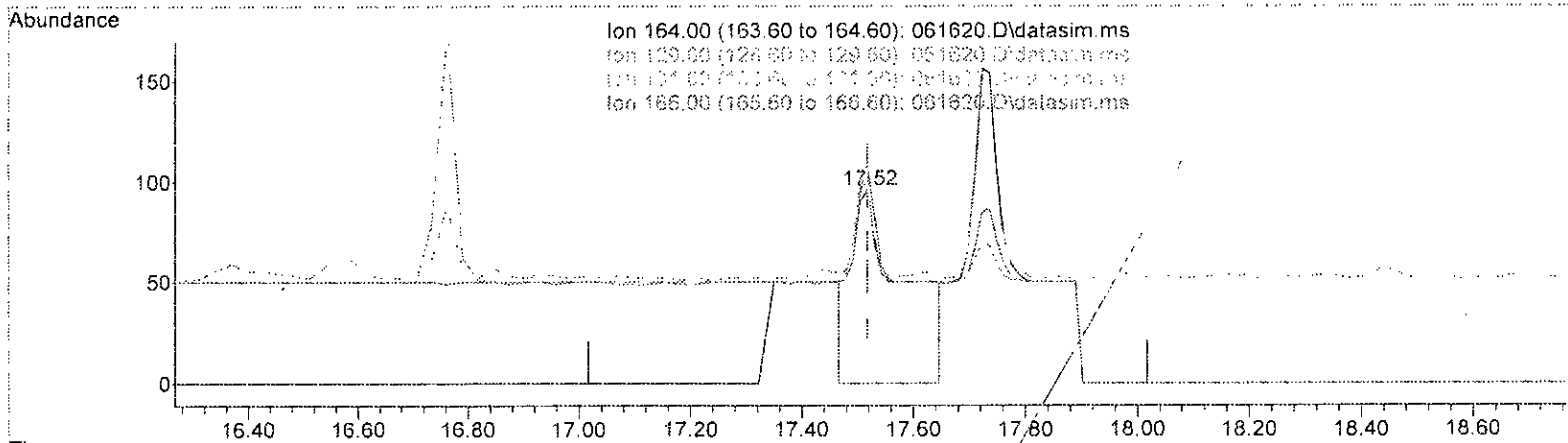
Quant Time: Jun 16 17:00:44 2023
Quant Method : D:\GCMS7 Methods\0601T015ss7.M
Quant Title : T0-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061620.D\data.ms

(53) Tetrachloroethene (TME)

17.517min (-0.000) 0.186 ppbv

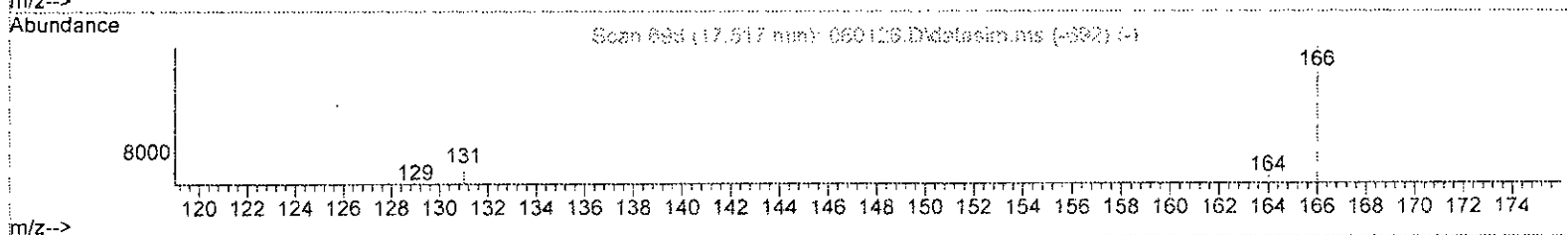
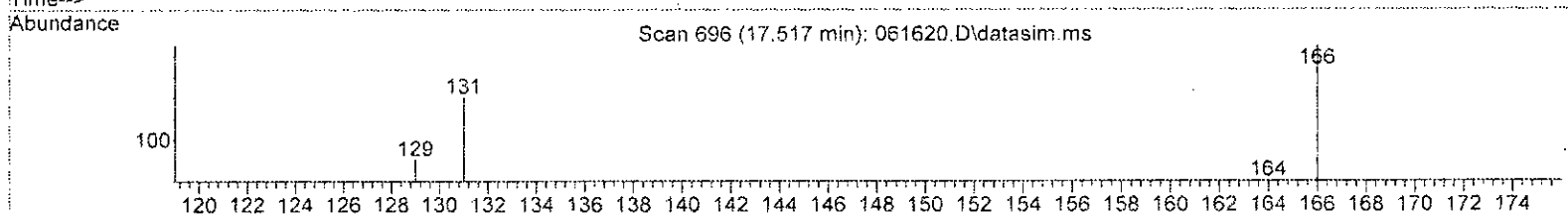
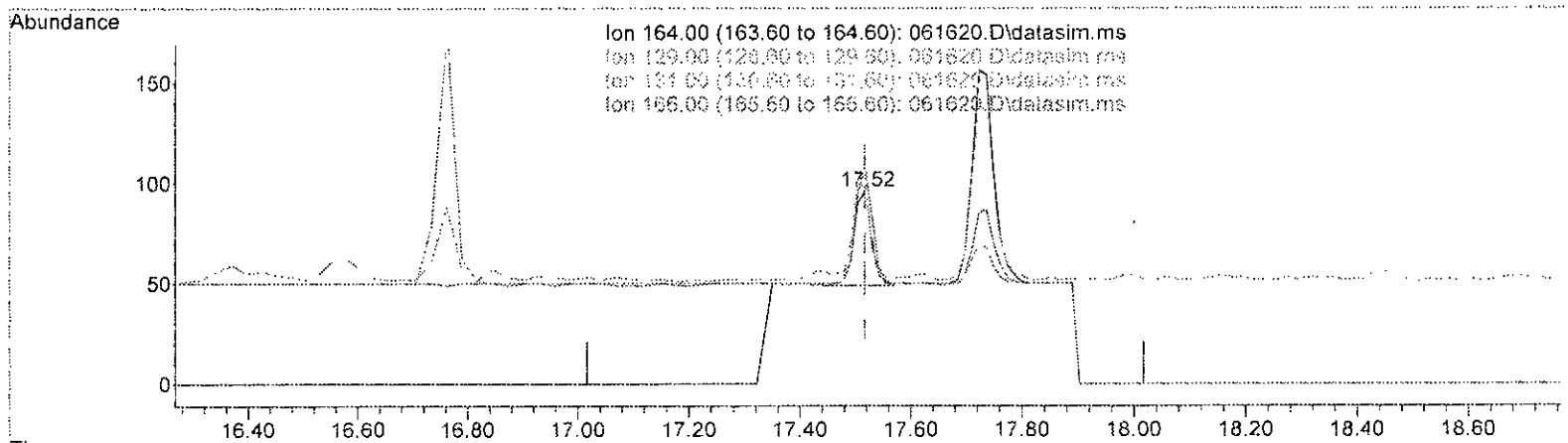
| response | 635 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.35 |
| 131.00 | 100.70 | 113.04 |
| 166.00 | 137.50 | 128.26 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061620.D\data.ms

(53) Tetrachloroethene (TME)

17.517min (-0.000) 0.030 ppbv m

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.08 |
| 131.00 | 100.70 | 108.33 |
| 166.00 | 137.50 | 113.54 |

Handwritten signature/initials

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

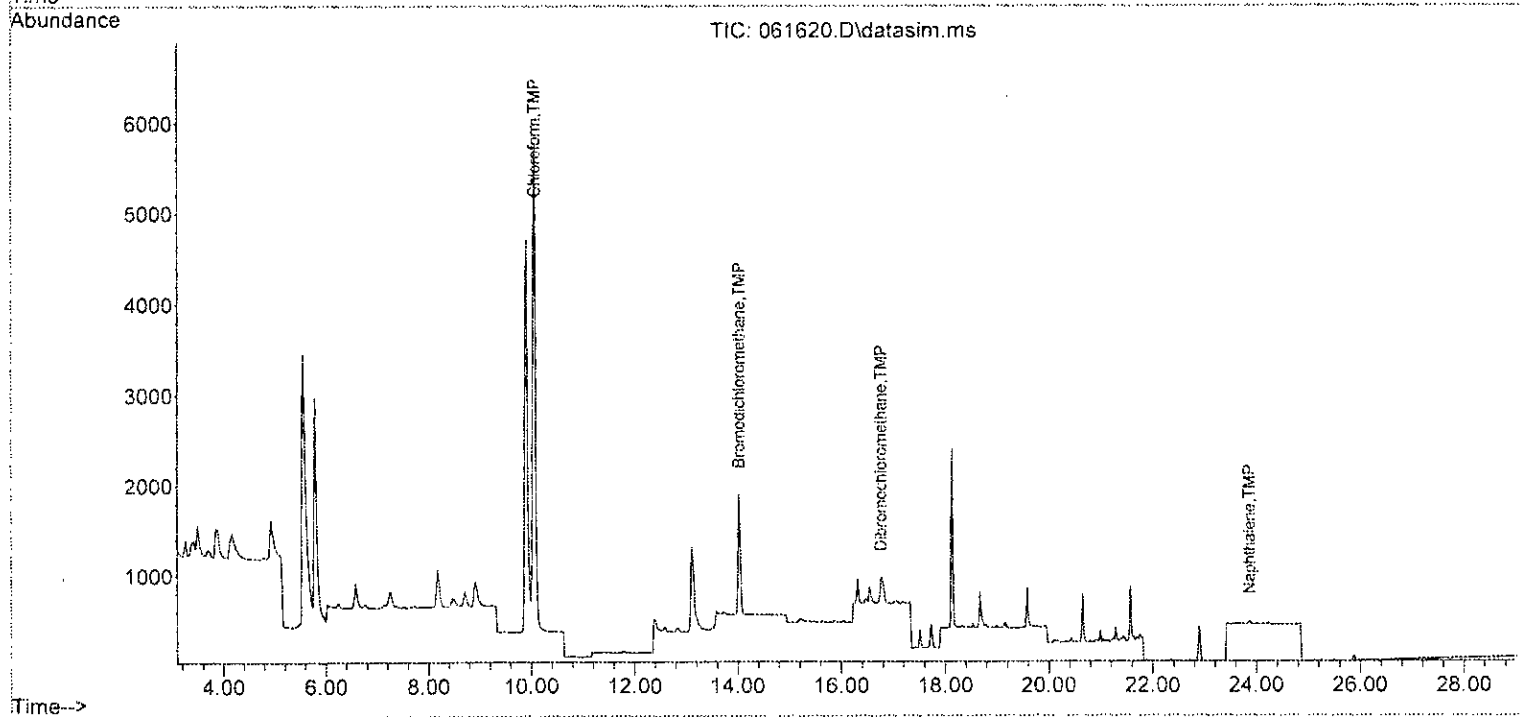
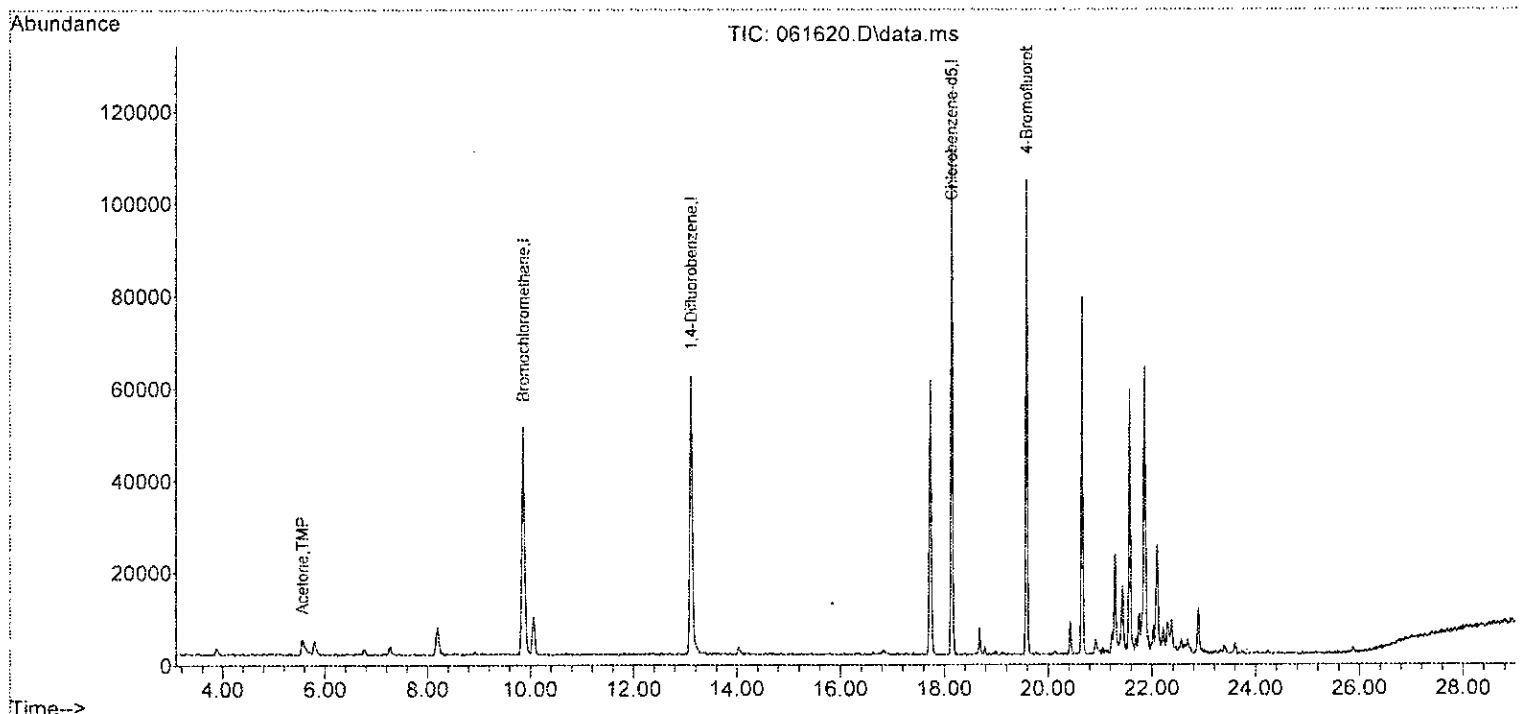
Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

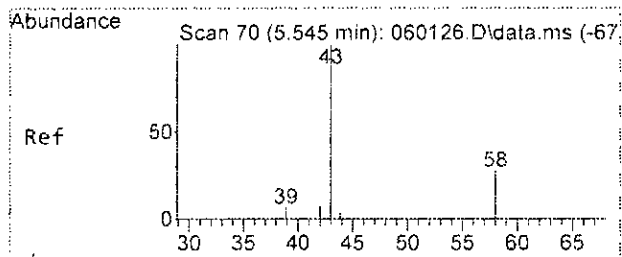
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19566 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70296 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 68346 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43916 | 9.065 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 90.70% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 16) Acetone | 5.56 | 58 | 3100 | 2.298 | ppbv | 95 |
| 30] Chloroform | 10.07 | 83 | 11987 | 1.530 | ppbv | 99 |
| 45] Bromodichloromethane | 14.02 | 83 | 2231 | 0.326 | ppbv | 98 |
| 54] Dibromochloromethane | 16.76 | 129 | 285 | 0.043 | ppbv | 92 |
| 77] Naphthalene | 23.86 | 128 | 84 | 0.010 | ppbv | 93 |
| ----- | | | | | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

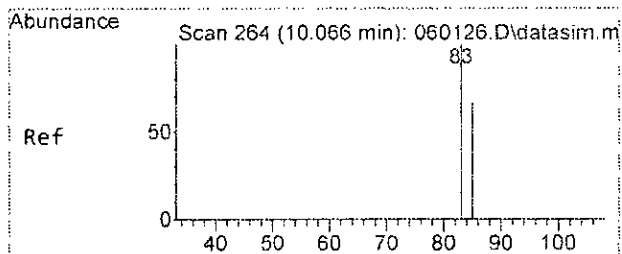
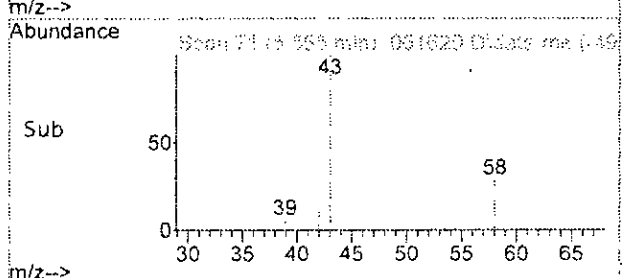
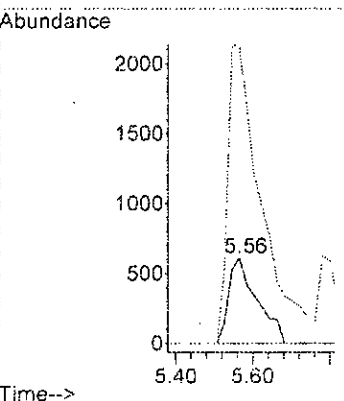
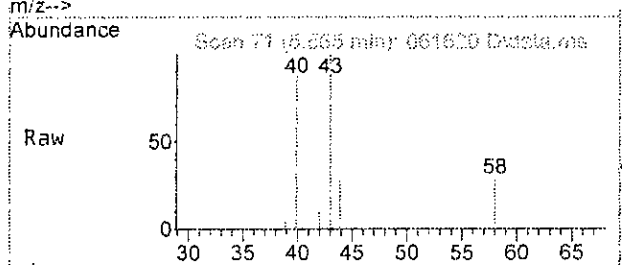
Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M





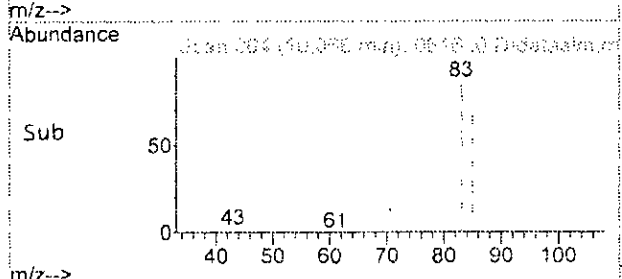
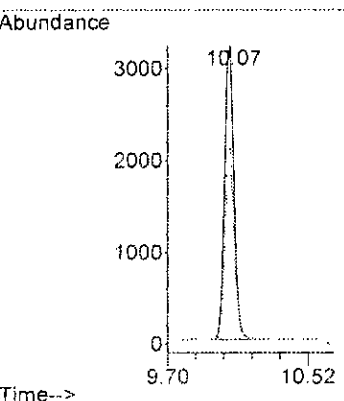
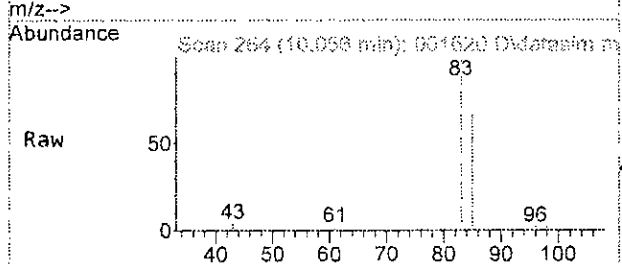
#16
 Acetone
 Concen: 2.298 ppbv
 RT: 5.56 min Scan# 71
 Delta R.T. 0.020 min
 Lab File: 061620.D
 Acq: 16 Jun 2023 10:18 pm

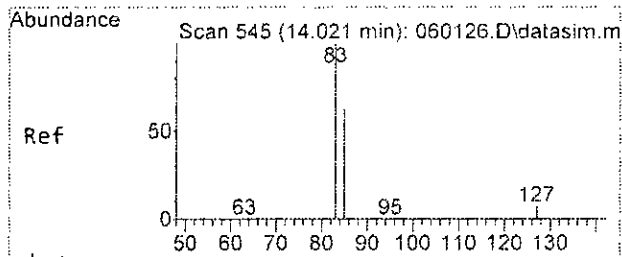
Tgt Ion: 58 Resp: 3100
 Ion Ratio Lower Upper
 58 100
 43 348.5 329.3 389.3



#30
 Chloroform
 Concen: 1.530 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: 061620.D
 Acq: 16 Jun 2023 10:18 pm

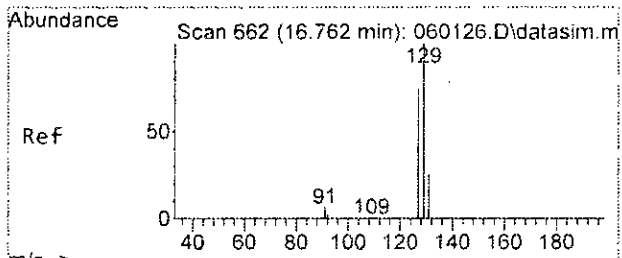
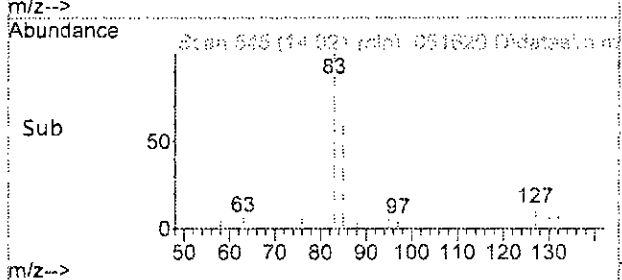
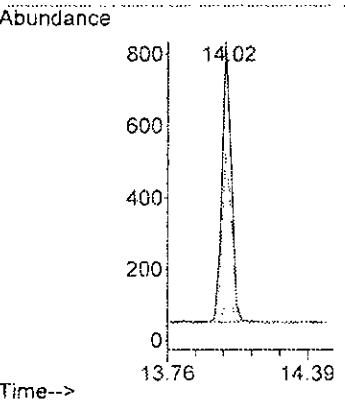
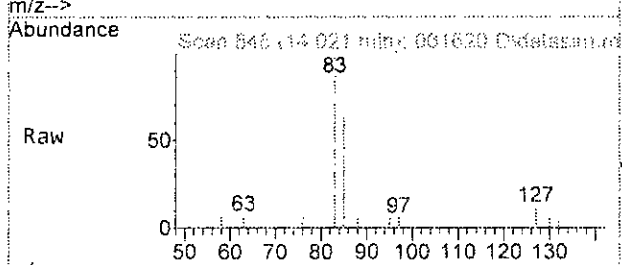
Tgt Ion: 83 Resp: 11987
 Ion Ratio Lower Upper
 83 100
 85 65.7 36.3 96.3





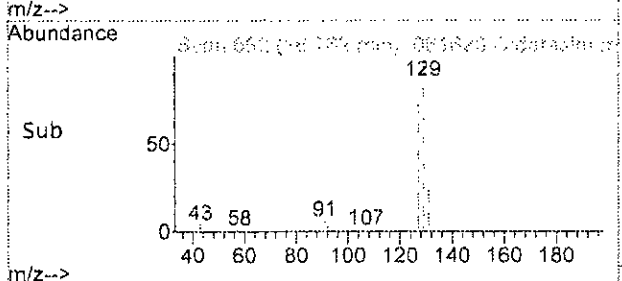
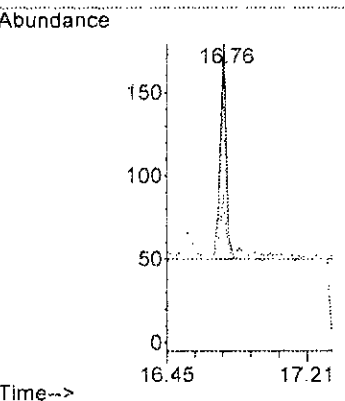
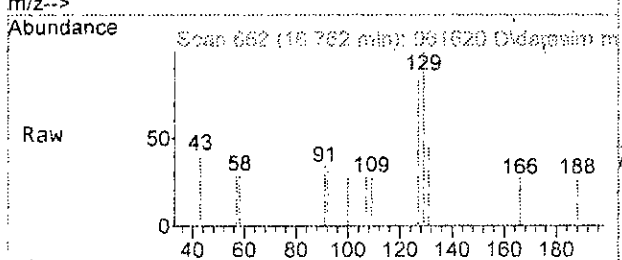
#45
 Bromodichloromethane
 Concen: 0.326 ppbv
 RT: 14.02 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: 061620.D
 Acq: 16 Jun 2023 10:18 pm

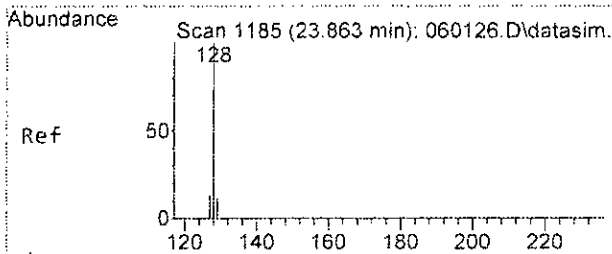
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 62.1 | 31.0 | 91.0 |
| 127 | 6.6 | 0.0 | 30.0 |



#54
 Dibromochloromethane
 Concen: 0.043 ppbv
 RT: 16.76 min Scan# 662
 Delta R.T. 0.000 min
 Lab File: 061620.D
 Acq: 16 Jun 2023 10:18 pm

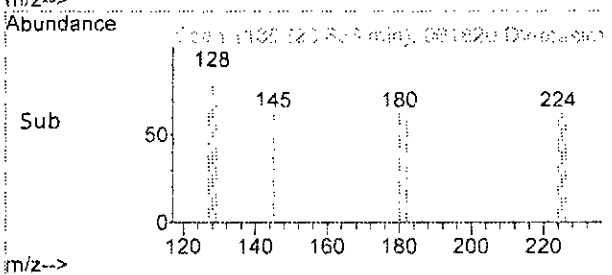
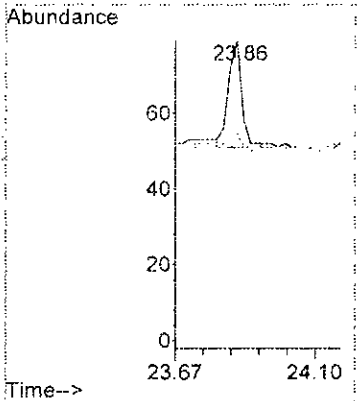
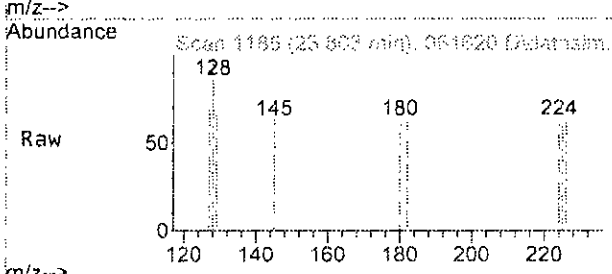
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 129 | 100 | | |
| 127 | 76.0 | 51.9 | 111.9 |
| 131 | 27.9 | 0.0 | 52.3 |





#77
 Naphthalene
 Concen: 0.010 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061620.D
 Acq: 16 Jun 2023 10:18 pm

| Tgt Ion | Resp | | |
|---------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 128 | 100 | | |
| 129 | 10.7 | 0.0 | 41.0 |
| 127 | 17.9 | 0.0 | 43.2 |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 S5 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19566 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70296 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 68346 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|----------------|----------|-------|--------|------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43916 | 9.065 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 90.70% | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 381 | | N.D. | |
| 4) Chloromethane | 3.69 | 50 | 279 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | d |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 5.16 | 106 | 118 | | N.D. | |
| 12) Ethanol | 4.96 | 45 | 756 | | N.D. | |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 5.56 | 58 | 3100 | 2.298 | ppbv | 95 |
| 17) 2-Propanol | 5.80 | 45 | 6278 | | N.D. | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 20) Methylene chloride | 6.75 | 84 | 921 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 7.25 | 76 | 551 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 0.00 | | 0 | | N.D. | |
| 27) 1,1-Dichloroethane | 8.18 | 63 | 30 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30) Chloroform | 10.07 | 83 | 11987 | 1.530 | ppbv | 99 |
| 31) Ethyl acetate | 0.00 | | 0 | | N.D. | d |
| 32) Tetrahydrofuran | 0.00 | | 0 | | N.D. | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 36) Carbon tetrachloride | 12.83 | 117 | 87 | | N.D. | |
| 37) Benzene | 12.58 | 78 | 267 | | N.D. | |
| 38) Cyclohexane | 13.11 | 84 | 160 | | N.D. | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | d |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061620.D
 Acq On : 16 Jun 2023 10:18 pm
 Operator : bat
 Sample : 306244-01 dup 1/5.5
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

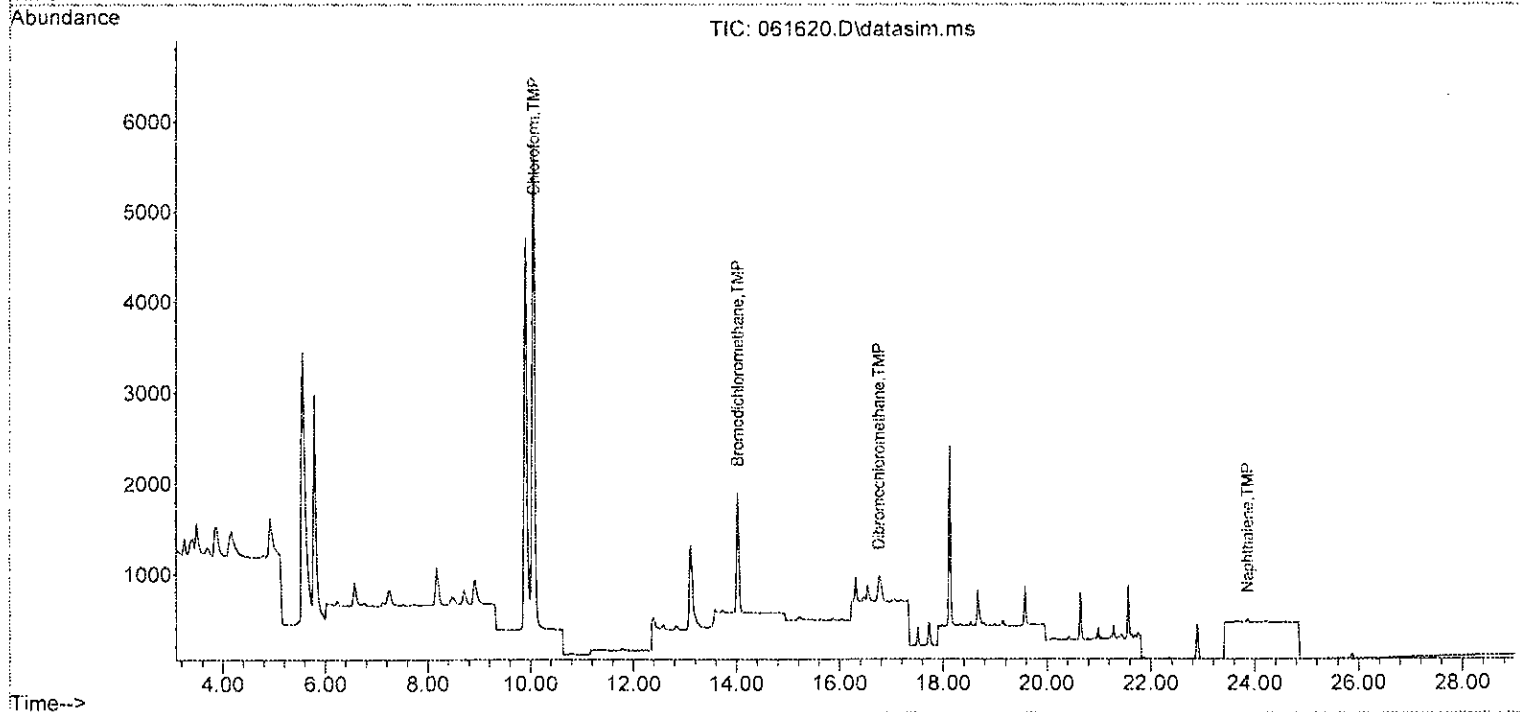
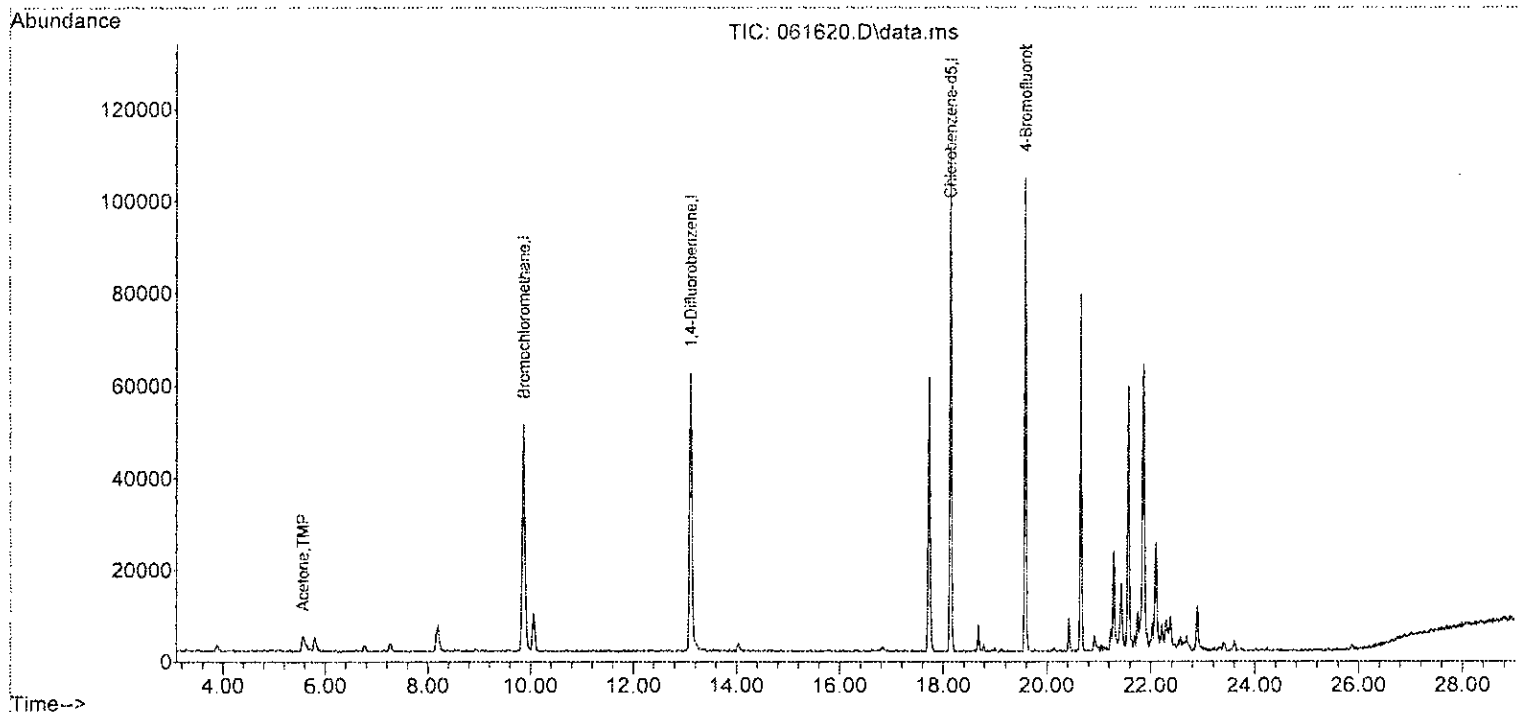
Quant Time: Jun 19 12:51:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | N.D. | | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | | |
| 44) Heptane | 0.00 | | 0 | N.D. | | |
| 45] Bromodichloromethane | 14.02 | 83 | 2231 | 0.326 | ppbv | 98 |
| 46) Trichloroethene | 0.00 | | 0 | N.D. | | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 50) Toluene | 16.31 | 92 | 1575 | N.D. | | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 52) 2-Hexanone | 16.81 | 43 | 348 | N.D. | | |
| 53) Tetrachloroethene | 17.52 | 164 | 103 | N.D. | | |
| 54] Dibromochloromethane | 16.76 | 129 | 285 | 0.043 | ppbv | 92 |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | | |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | | |
| 58) Ethylbenzene | 18.53 | 91 | 66 | N.D. | | |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 27 | N.D. | | |
| 60) Nonane | 19.11 | 43 | 128 | N.D. | | |
| 61) Isopropylbenzene | 0.00 | | 0 | N.D. | | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | | |
| 63) Propylbenzene | 0.00 | | 0 | N.D. | | |
| 64) 4-Ethyltoluene | 20.65 | 105 | 107 | N.D. | | |
| 65) m,p-Xylene | 18.68 | 106 | 126 | N.D. | | |
| 66) o-Xylene | 19.15 | 106 | 31 | N.D. | | |
| 67) Styrene | 0.00 | | 0 | N.D. | | |
| 68) Bromoform | 0.00 | | 0 | N.D. | | |
| 70) Benzyl chloride | 0.00 | | 0 | N.D. | d | |
| 71) 1,3,5-Trimethylbenzene | 20.65 | 105 | 107 | N.D. | | |
| 72) 1,2,4-Trimethylbenzene | 20.65 | 105 | 107 | N.D. | | |
| 73) 1,3-Dichlorobenzene | 20.99 | 146 | 116 | N.D. | | |
| 74) 1,4-Dichlorobenzene | 20.99 | 146 | 116 | N.D. | | |
| 75) 1,2-Dichlorobenzene | 20.99 | 146 | 110 | N.D. | | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 77] Naphthalene | 23.86 | 128 | 84 | 0.010 | ppbv | 93 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061620.D
Acq On : 16 Jun 2023 10:18 pm
Operator : bat
Sample : 306244-01 dup 1/5.5
Misc : T7
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

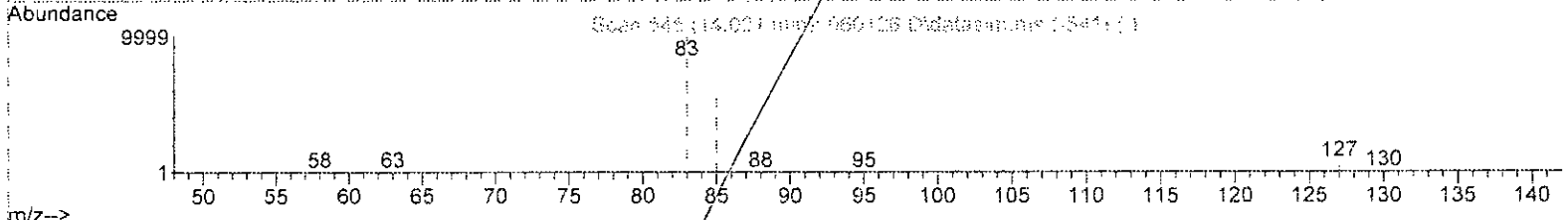
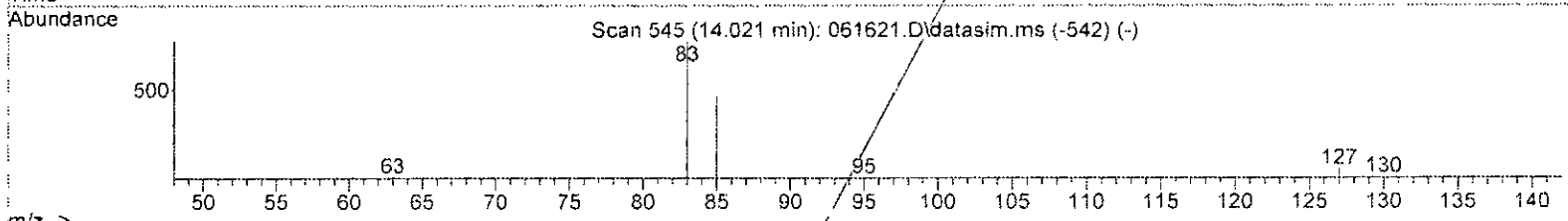
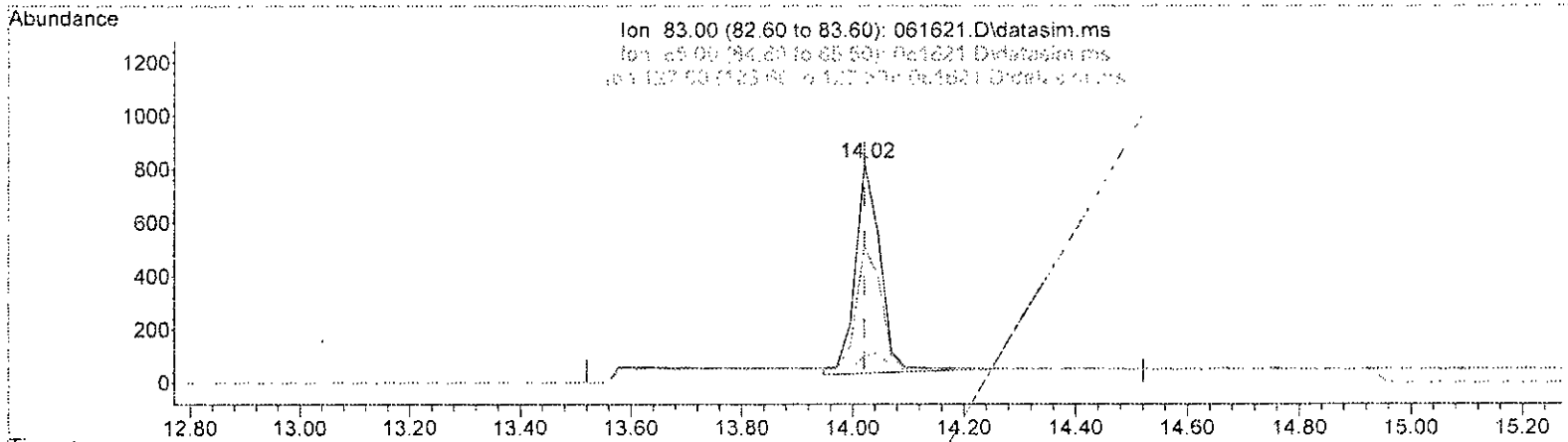
Quant Time: Jun 19 12:51:26 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : T0-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061621.D\data.ms

(45) Bromodichloromethane (TMP)

14.021min (-0.000) 0.353 ppbv

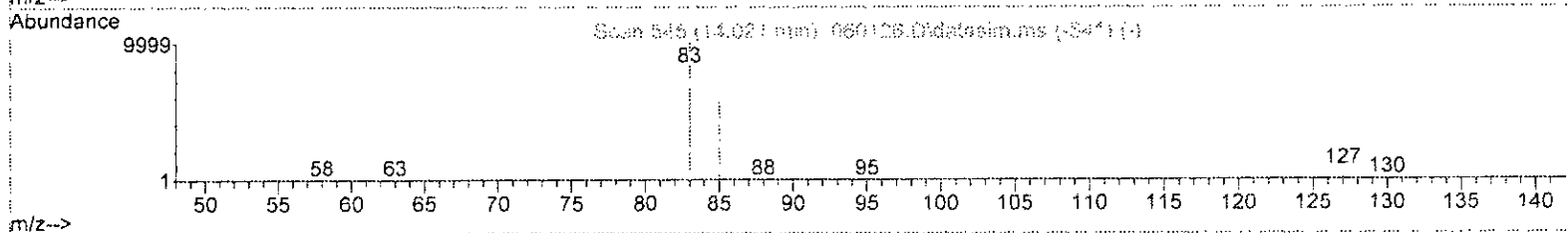
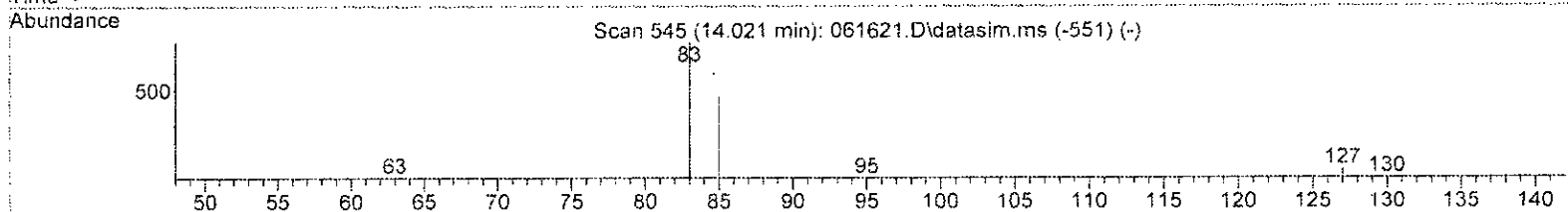
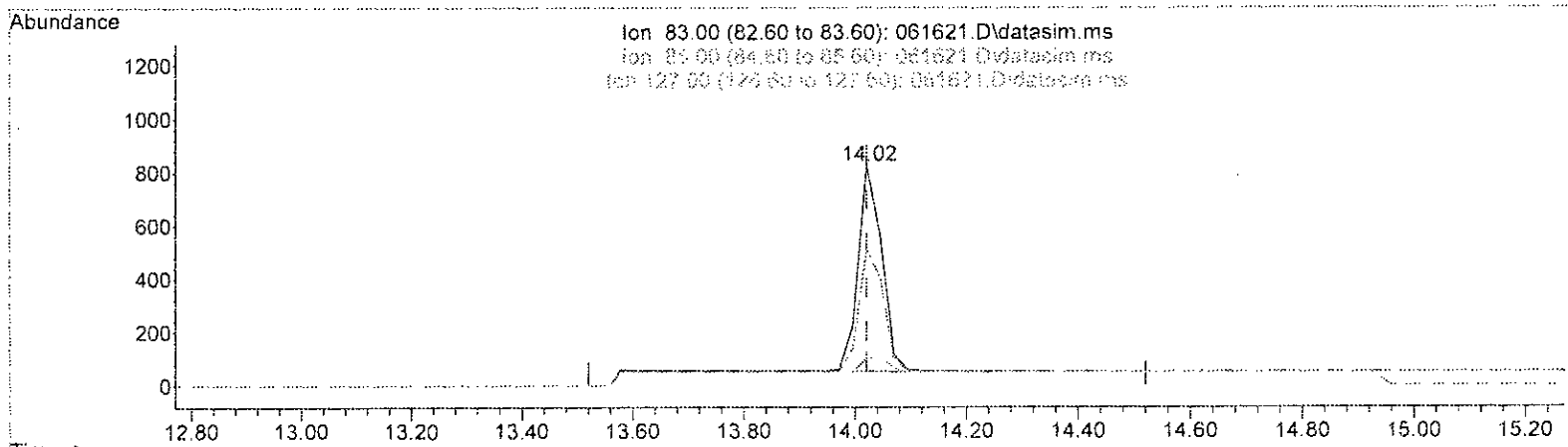
| response | 2466 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 83.00 | 100.00 | 100.00 |
| 85.00 | 61.00 | 59.59 |
| 127.00 | 0.00 | 6.35 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061621.D\data.ms

(45) Bromodichloromethane (TMP)

14.021min (-0.000) 0.323 ppbv m

response 2261

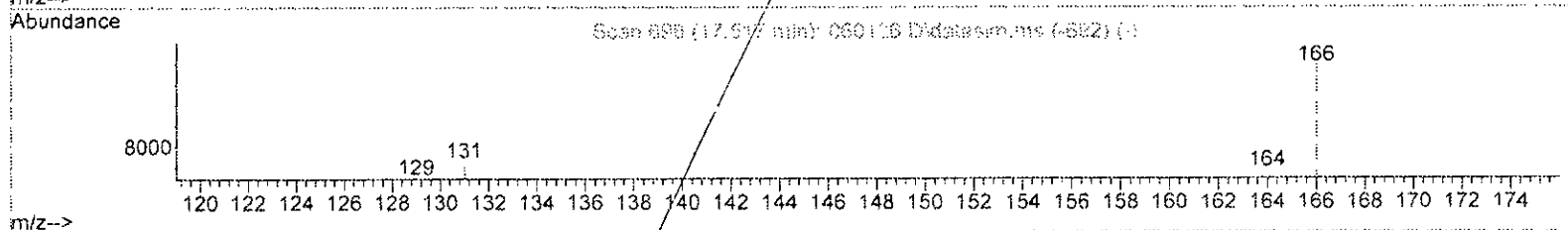
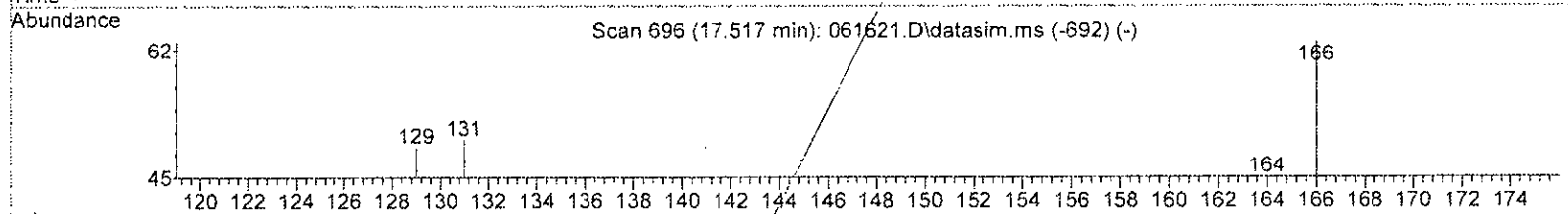
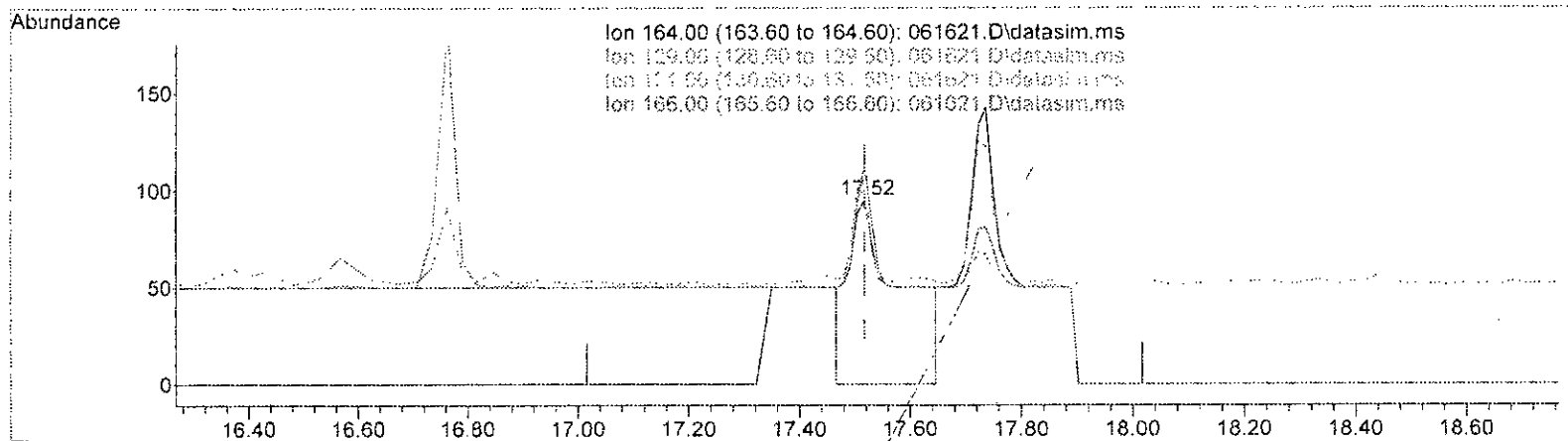
| Ion | Exp% | Act% |
|--------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 61.00 | 61.89 |
| 127.00 | 0.00 | 12.01 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061621.D\data.ms

(53) Tetrachloroethene (TMP)
 17.517min (+ 0.000) 0.182 ppbv
 response 635

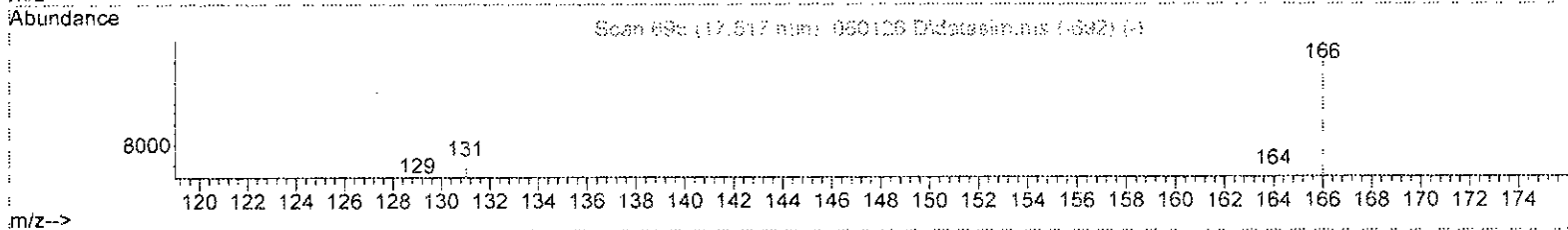
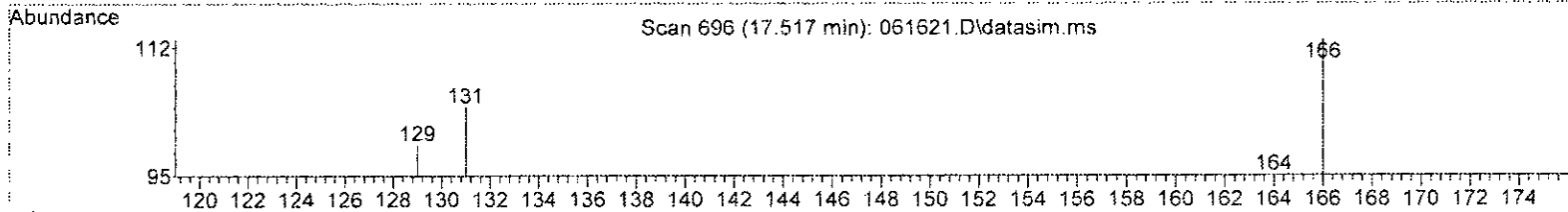
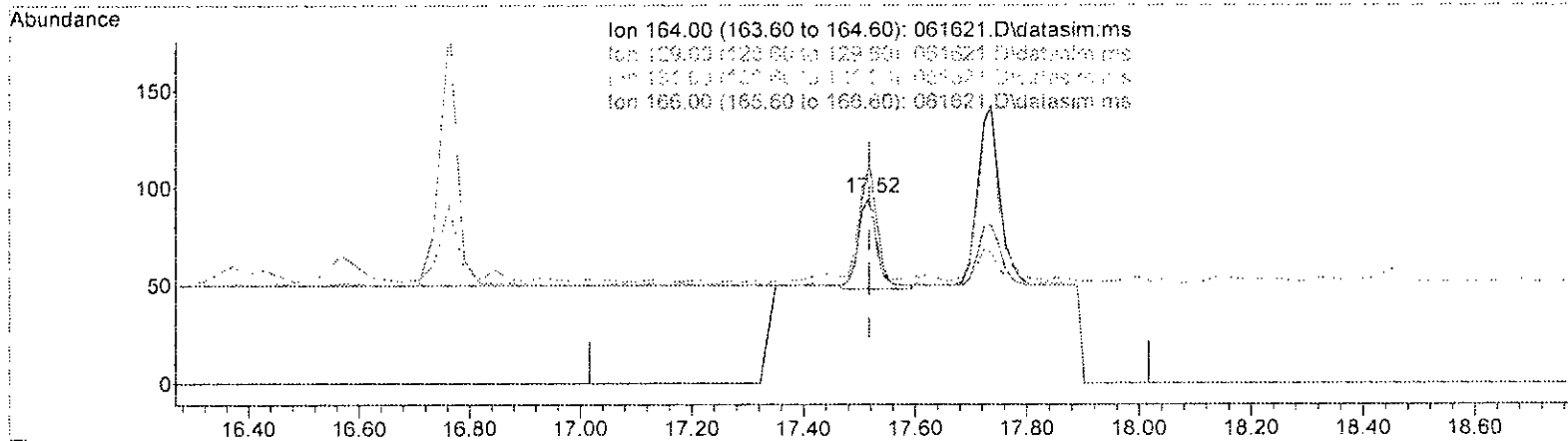
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 108.89 |
| 131.00 | 100.70 | 113.33 |
| 166.00 | 137.50 | 140.00 |

Handwritten signature: M / 6/19/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061621.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 0.032 ppbv m

response 111

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.21 |
| 131.00 | 100.70 | 109.47 |
| 166.00 | 137.50 | 118.95 |

Handwritten signature/initials

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

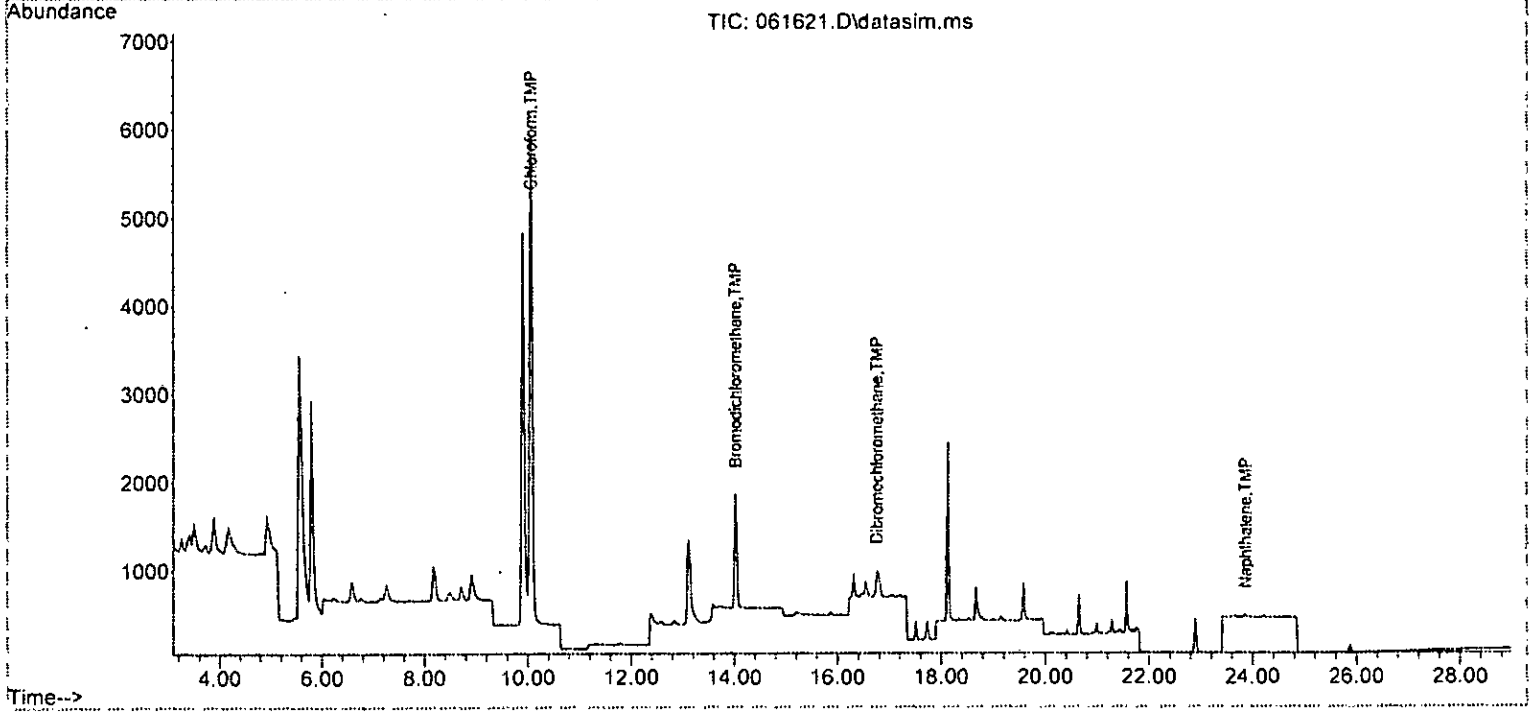
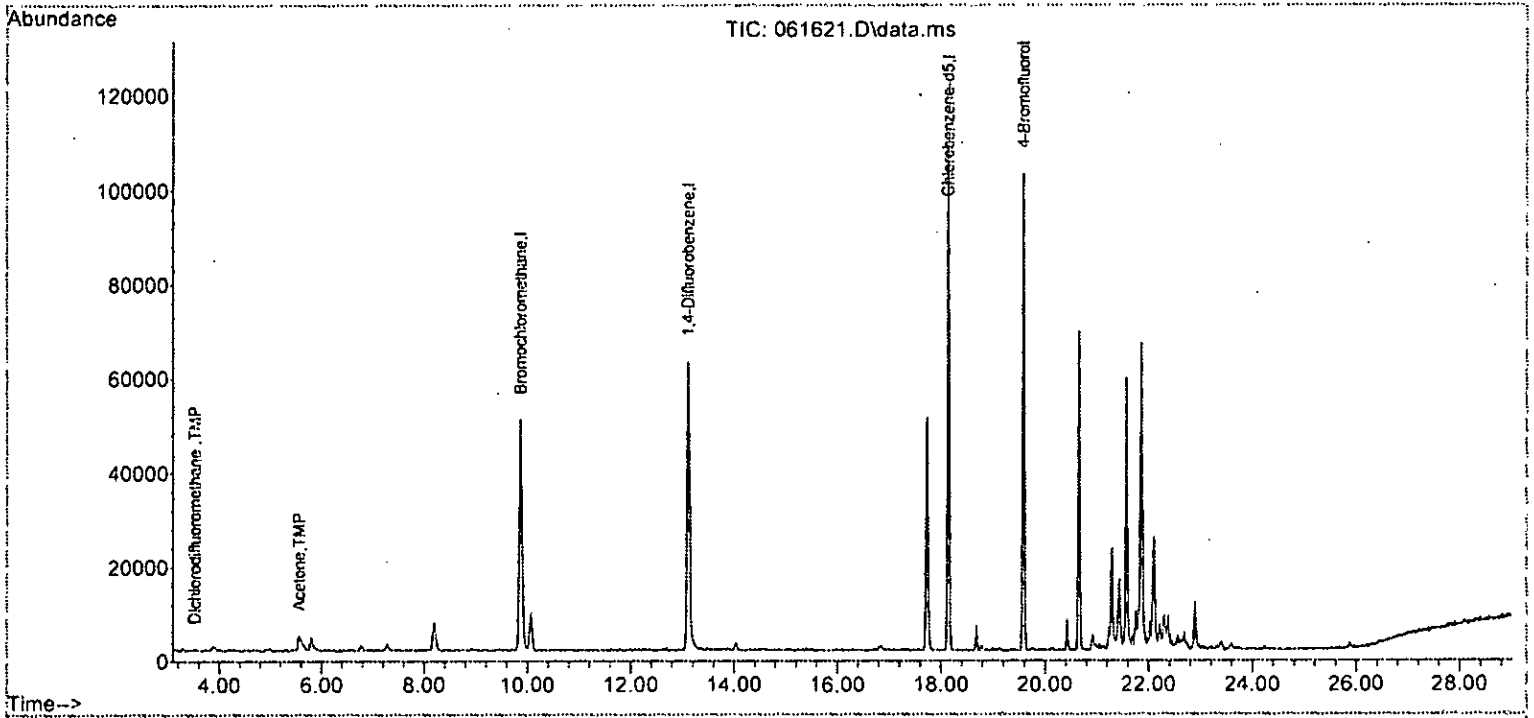
Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

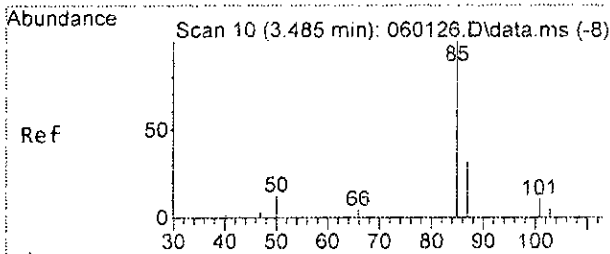
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19465 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71817 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 67823 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43229 | 8.992 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.90% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 618 | 0.074 | ppbv | # 42 |
| 16) Acetone | 5.57 | 58 | 3269 | 2.436 | ppbv | 94 |
| 30) Chloroform | 10.07 | 83 | 12002 | 1.540 | ppbv | 99 |
| 45] Bromodichloromethane | 14.02 | 83 | 2261m | 0.323 | ppbv | |
| 54] Dibromochloromethane | 16.76 | 129 | 302 | 0.045 | ppbv | 91 |
| 77] Naphthalene | 23.86 | 128 | 79 | 0.010 | ppbv | 95 |
| ----- | | | | | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

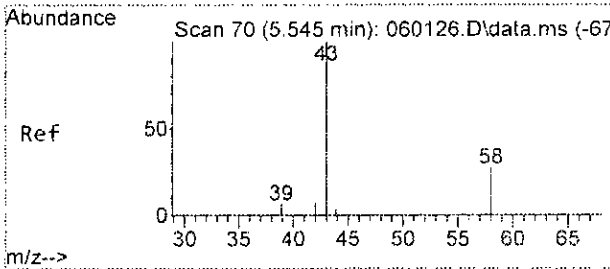
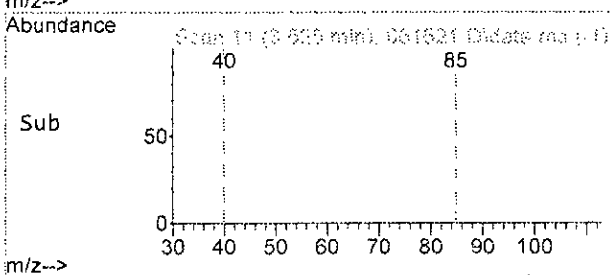
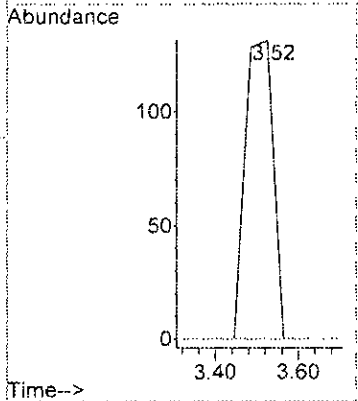
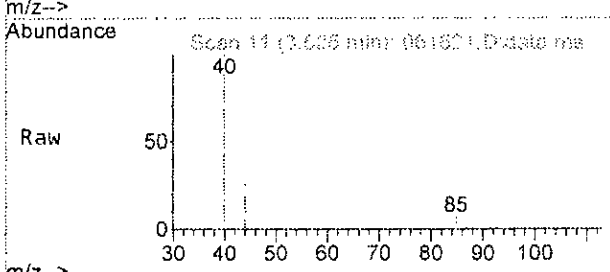
Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M





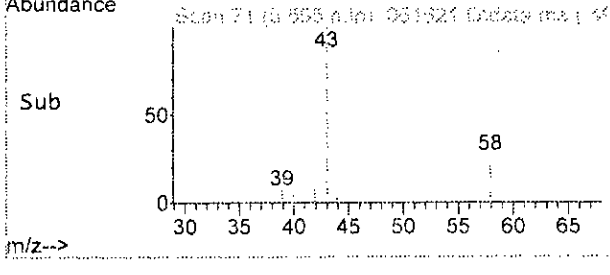
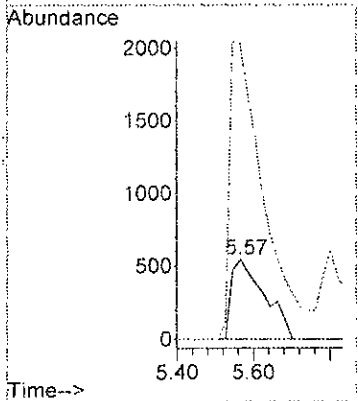
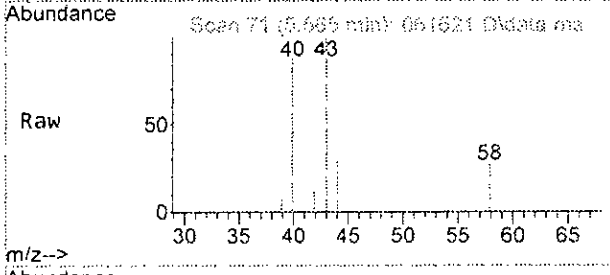
#3
 Dichlorodifluoromethane
 Concen: 0.074 ppbv
 RT: 3.52 min Scan# 11
 Delta R.T. 0.040 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

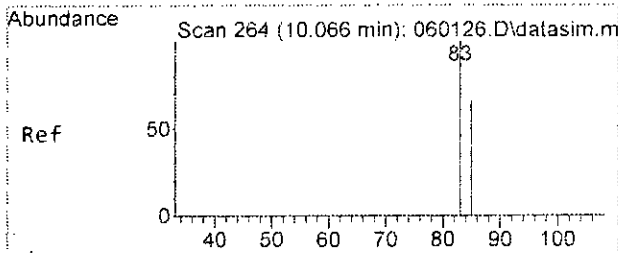
Tgt Ion: 85 Resp: 618
 Ion Ratio Lower Upper
 85 100
 87 0.0 2.2 62.2#



#16
 Acetone
 Concen: 2.436 ppbv
 RT: 5.57 min Scan# 71
 Delta R.T. 0.020 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

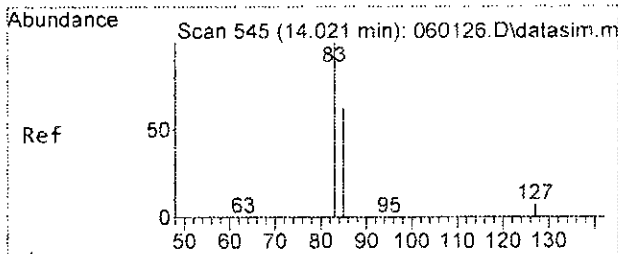
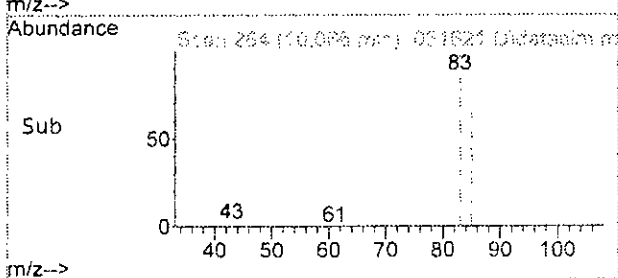
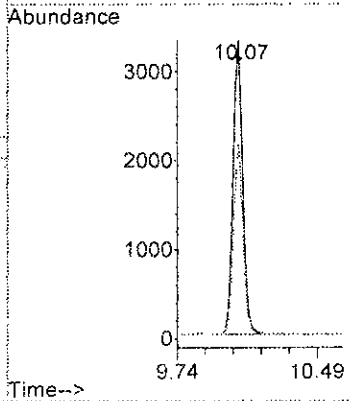
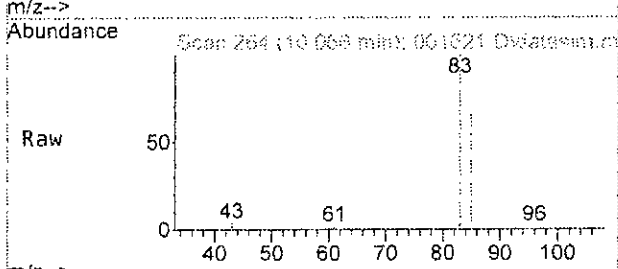
Tgt Ion: 58 Resp: 3269
 Ion Ratio Lower Upper
 58 100
 43 371.9 329.3 389.3





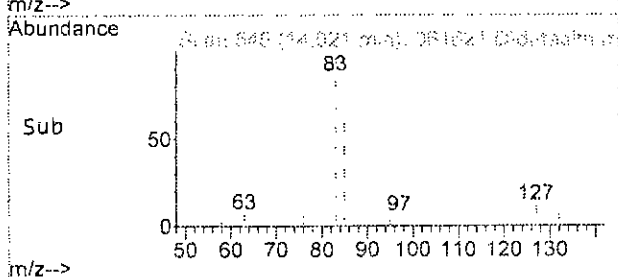
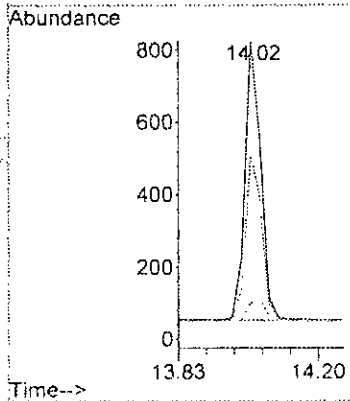
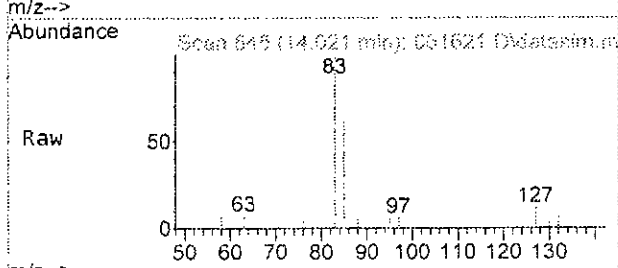
#30
 Chloroform
 Concen: 1.540 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

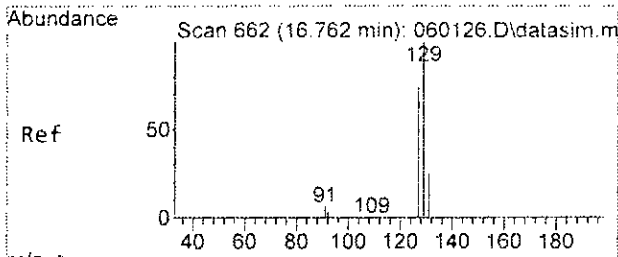
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 65.2 | 36.3 | 96.3 |



#45
 Bromodichloromethane
 Concen: 0.323 ppbv m
 RT: 14.02 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

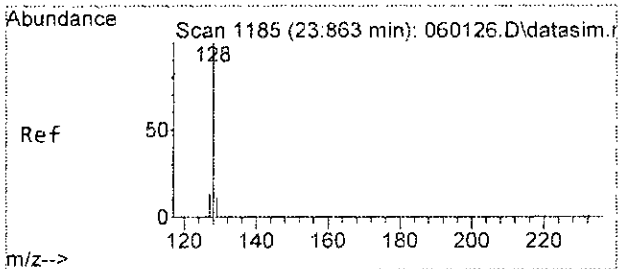
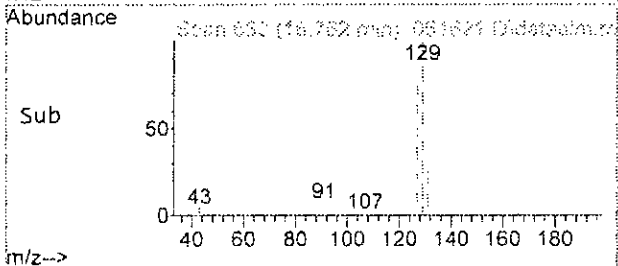
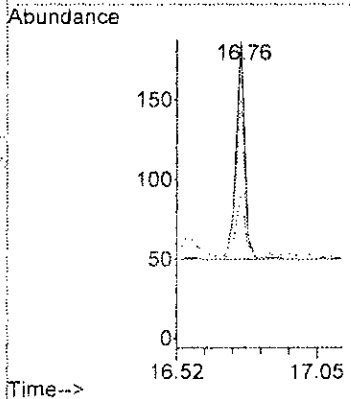
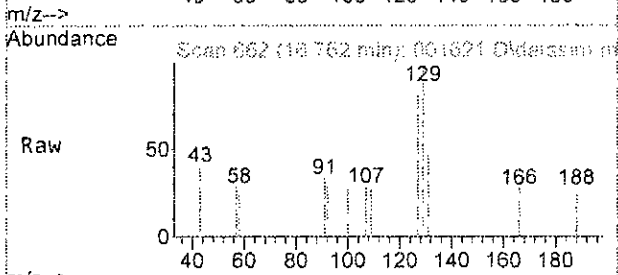
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 61.9 | 31.0 | 91.0 |
| 127 | 12.0 | 0.0 | 30.0 |





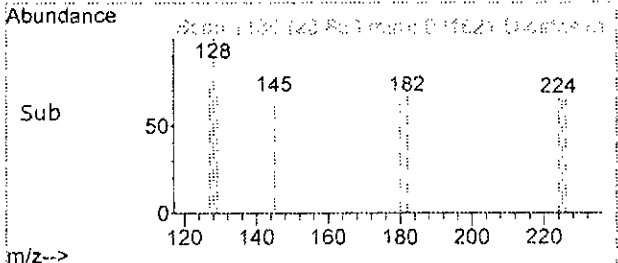
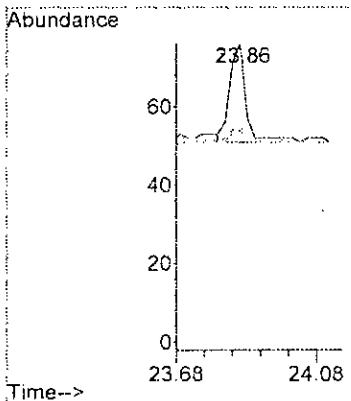
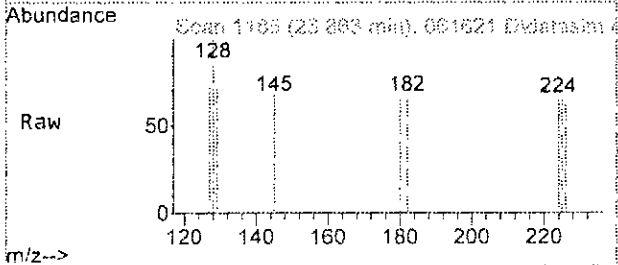
#54
 Dibromochloromethane
 Concen: 0.045 ppbv
 RT: 16.76 min Scan# 662
 Delta R.T. 0.000 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 129 | 100 | | |
| 127 | 74.5 | 51.9 | 111.9 |
| 131 | 28.5 | 0.0 | 52.3 |



#77
 Naphthalene
 Concen: 0.010 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061621.D
 Acq: 16 Jun 2023 10:53 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 12.0 | 0.0 | 41.0 |
| 127 | 16.0 | 0.0 | 43.2 |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------------|----------|--------|--------|----------|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19465 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71817 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 67823 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43229 | 8.992 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 89.90% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 618 | 0.074 | ppbv | # 42 |
| 4) Chloromethane | 3.73 | 50 | 267 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | d |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 0.00 | | 0 | | N.D. | d |
| 12) Ethanol | 4.96 | 45 | 792 | | N.D. | |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 5.57 | 58 | 3269 | 2.436 | ppbv | 94 |
| 17) 2-Propanol | 5.80 | 45 | 5925 | | N.D. | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 20) Methylene chloride | 6.78 | 84 | 1117 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 7.28 | 76 | 374 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 0.00 | | 0 | | N.D. | |
| 27) 1,1-Dichloroethane | 8.18 | 63 | 25 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30] Chloroform | 10.07 | 83 | 12002 | 1.540 | ppbv | 99 |
| 31) Ethyl acetate | 0.00 | | 0 | | N.D. | d |
| 32) Tetrahydrofuran | 0.00 | | 0 | | N.D. | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. | |
| 35) 1,1,1-Trichloroethane | 11.54 | 97 | 171 | | N.D. | |
| 36) Carbon tetrachloride | 12.83 | 117 | 83 | | N.D. | |
| 37) Benzene | 12.58 | 78 | 405 | | N.D. | |
| 38) Cyclohexane | 13.09 | 84 | 348 | | N.D. | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | d |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061621.D
 Acq On : 16 Jun 2023 10:53 pm
 Operator : bat
 Sample : 306244-01 1/5.5
 Misc : T7
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS7

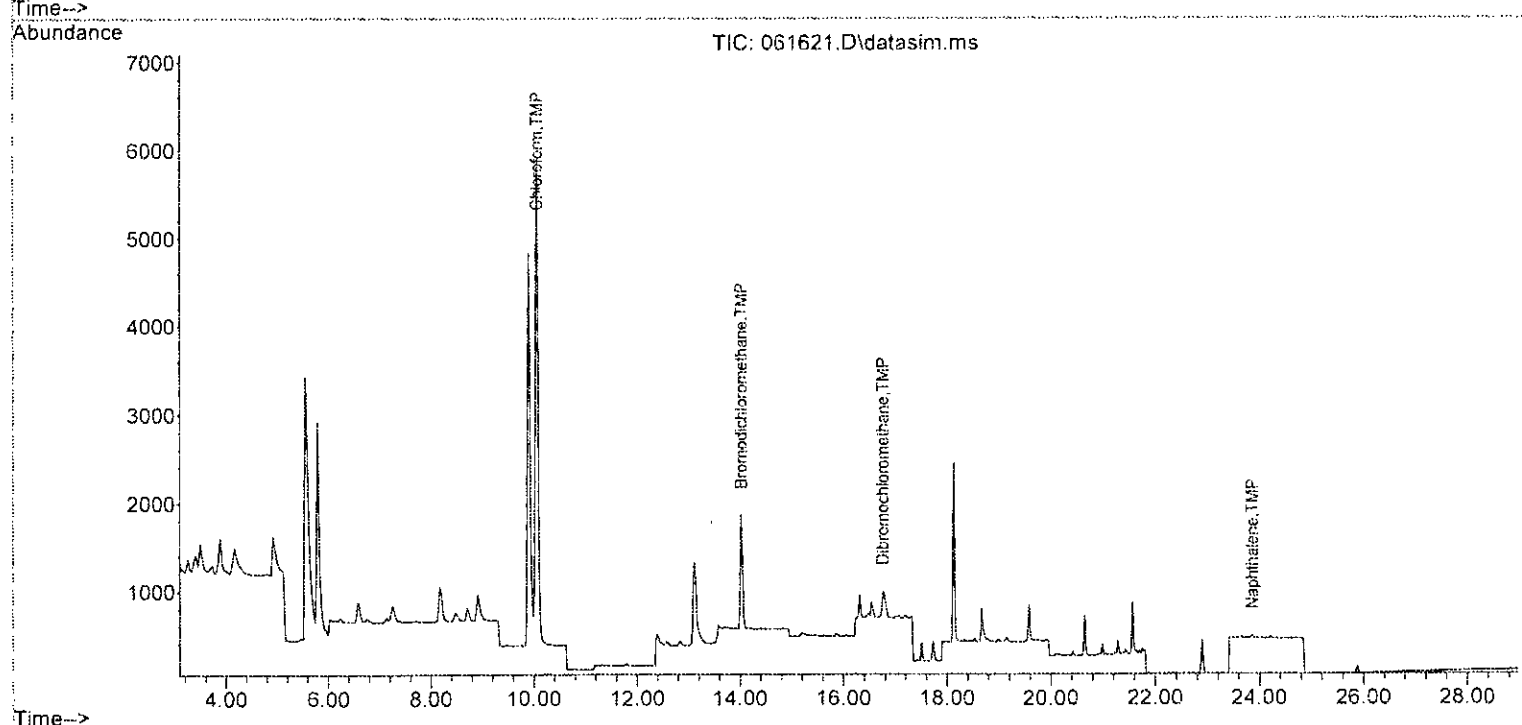
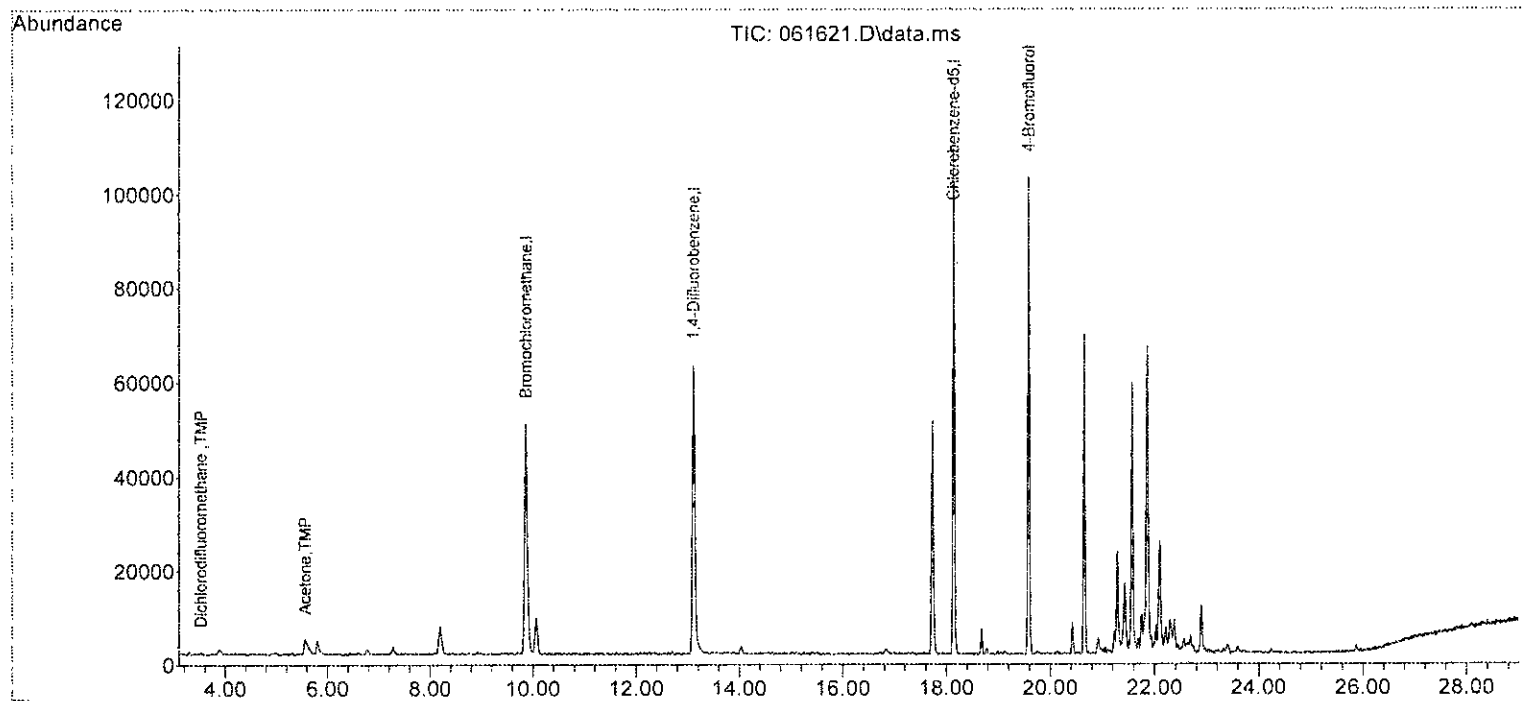
Quant Time: Jun 19 12:51:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 0.00 | | 0 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | |
| 45] Bromodichloromethane | 14.02 | 83 | 2261m | 0.323 | ppbv | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 1123 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.81 | 43 | 171 | | N.D. | |
| 53) Tetrachloroethene | 17.52 | 164 | 111 | | N.D. | |
| 54] Dibromochloromethane | 16.76 | 129 | 302 | 0.045 | ppbv | 91 |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 67 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 32 | | N.D. | |
| 60) Nonane | 18.99 | 43 | 136 | | N.D. | |
| 61) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 0.00 | | 0 | | N.D. | |
| 64) 4-Ethyltoluene | 20.65 | 105 | 167 | | N.D. | |
| 65) m,p-Xylene | 18.68 | 106 | 120 | | N.D. | |
| 66) o-Xylene | 19.15 | 106 | 33 | | N.D. | |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.65 | 105 | 167 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.65 | 105 | 167 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 20.99 | 146 | 119 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 20.99 | 146 | 119 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 20.99 | 146 | 112 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 79 | 0.010 | pphv | 95 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061621.D
Acq On : 16 Jun 2023 10:53 pm
Operator : bat
Sample : 306244-01 1/5.5
Misc : T7
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

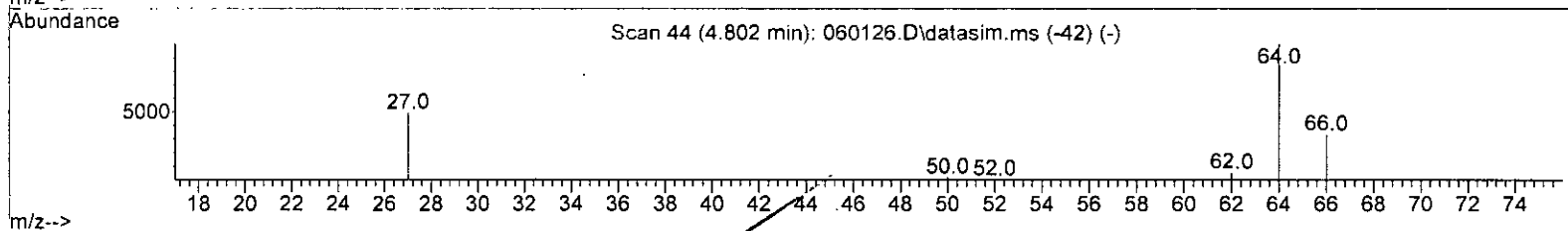
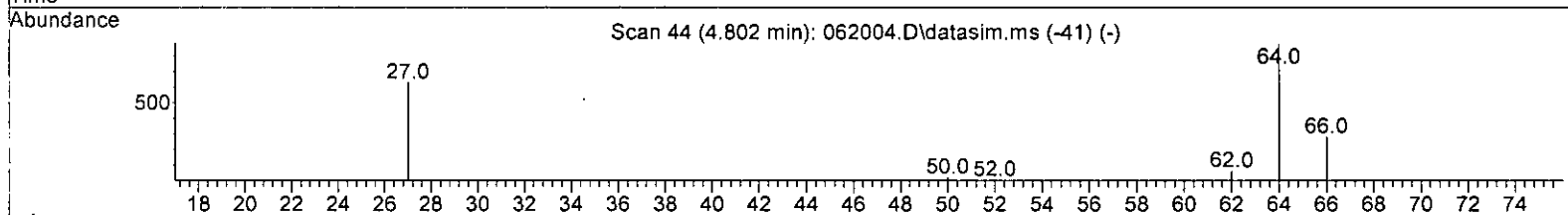
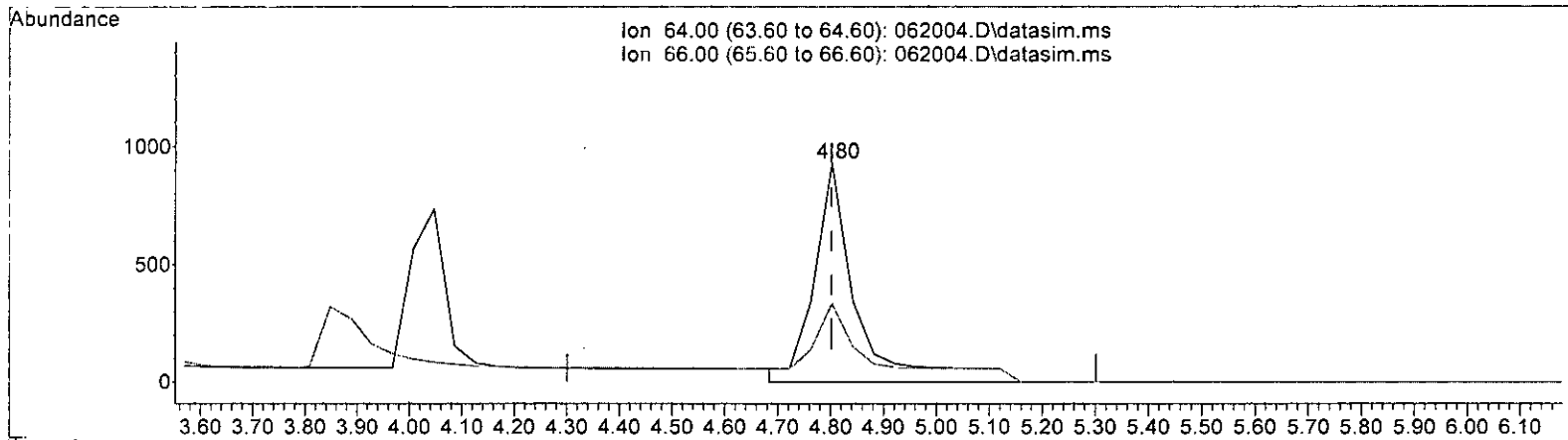
Quant Time: Jun 19 12:51:41 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062004.D\data.ms

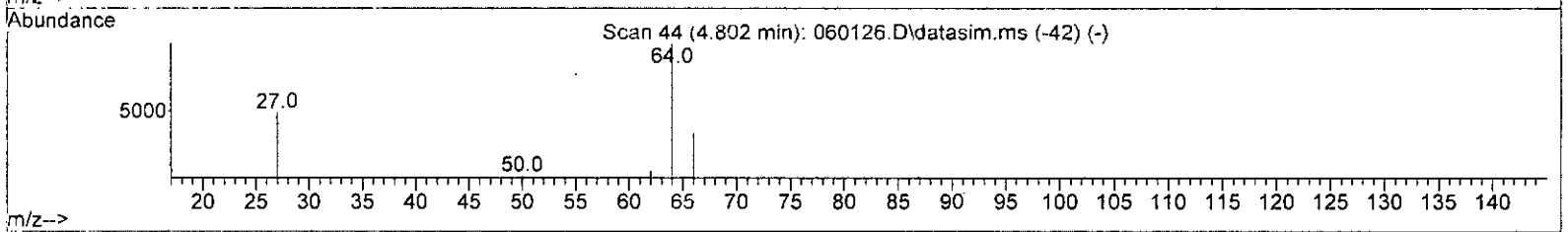
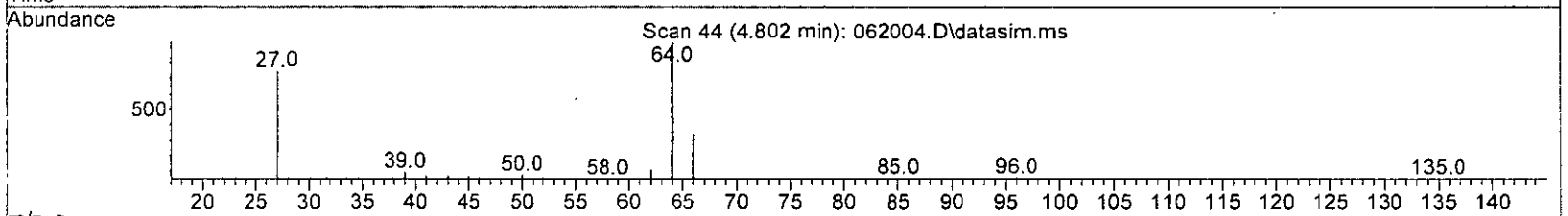
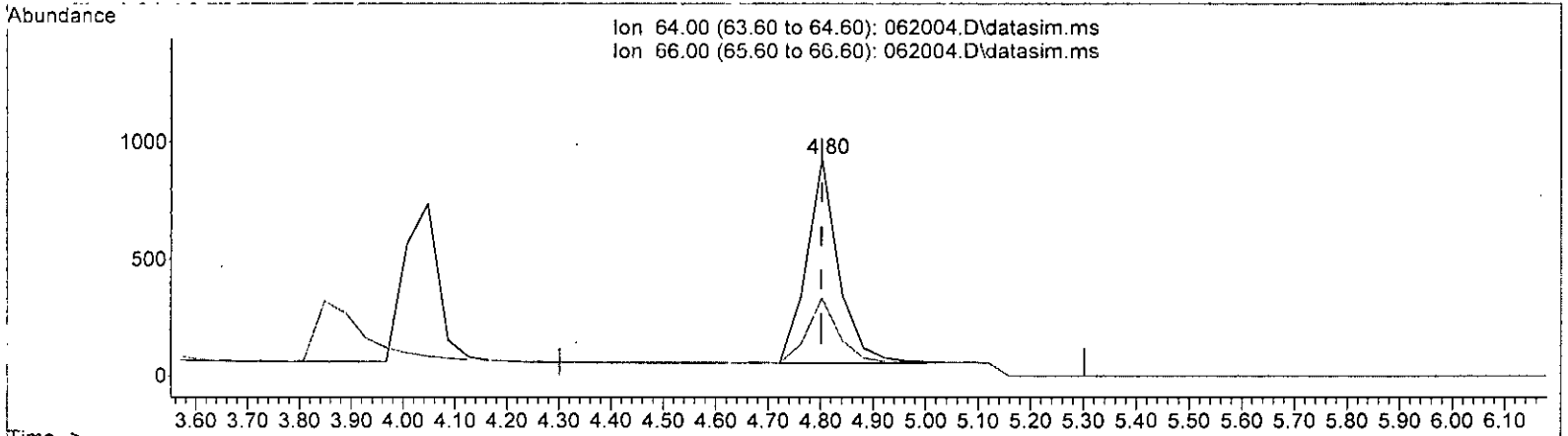
| (10) Chloroethane (TMP) | | | |
|-------------------------|--------|------------|--|
| 4.802min (+ 0.000) | | 3.797 ppbv | |
| response | 4960 | | |
| Ion | Exp% | Act% | |
| 64.00 | 100.00 | 100.00 | |
| 66.00 | 31.80 | 36.02 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

(10) Chloroethane (TMP)
 4.802min (+ 0.000) 2.831 ppbv m

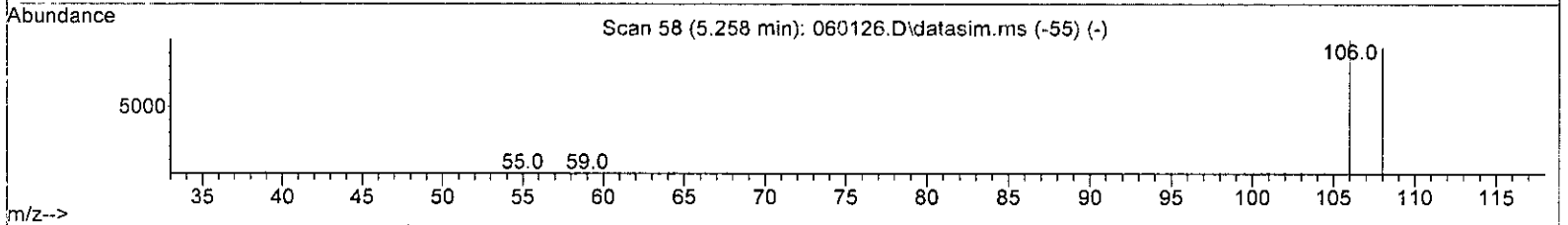
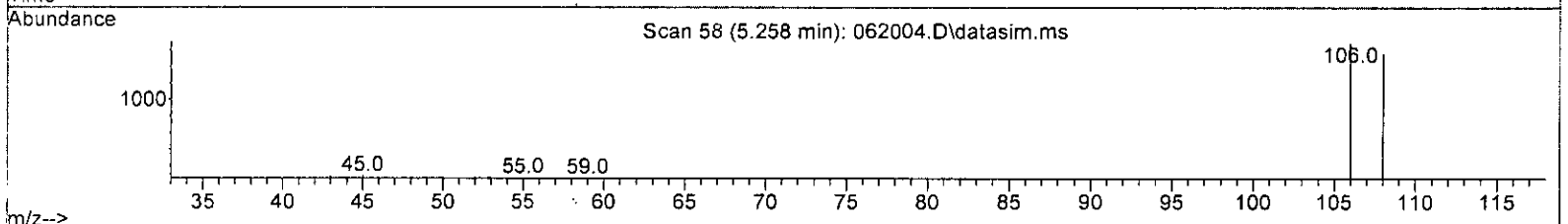
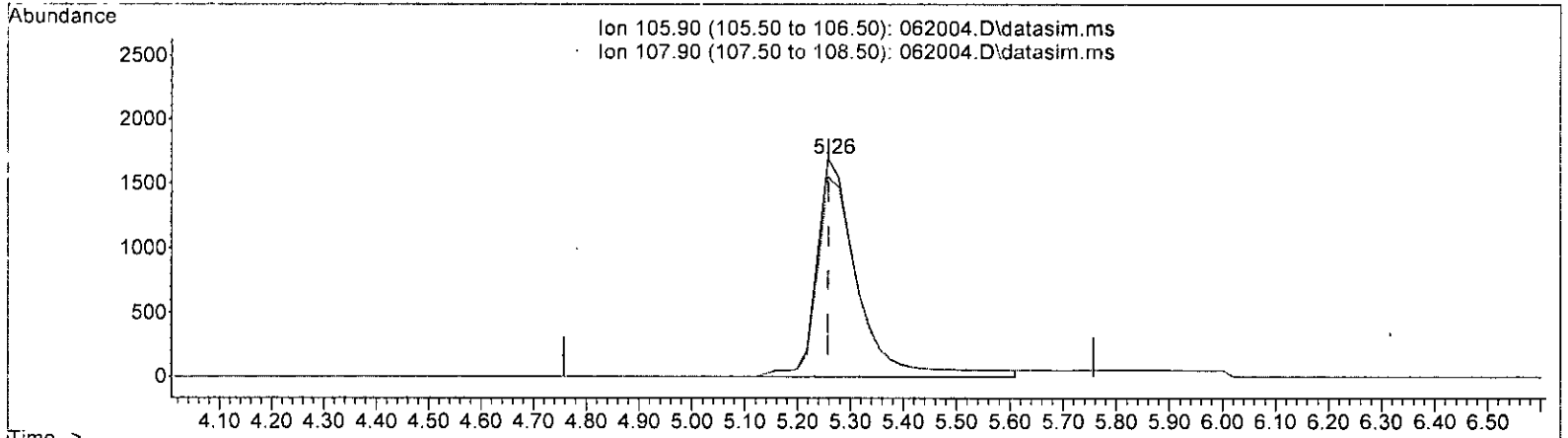
| response | 3698 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 64.00 | 100.00 | 100.00 |
| 66.00 | 31.80 | 36.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

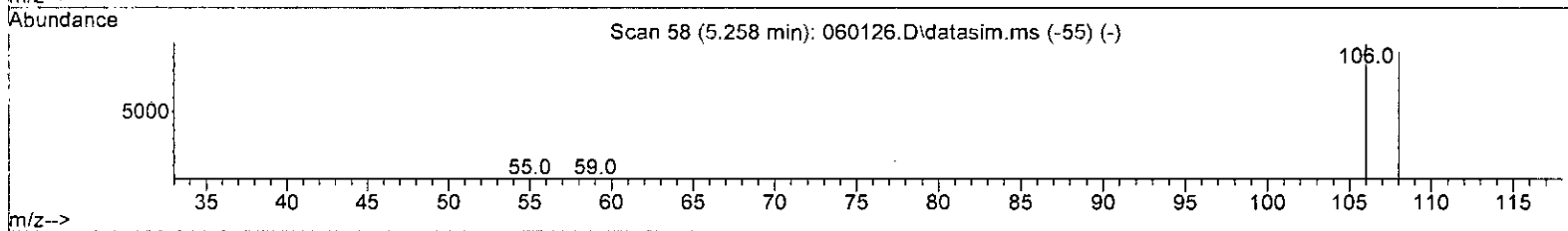
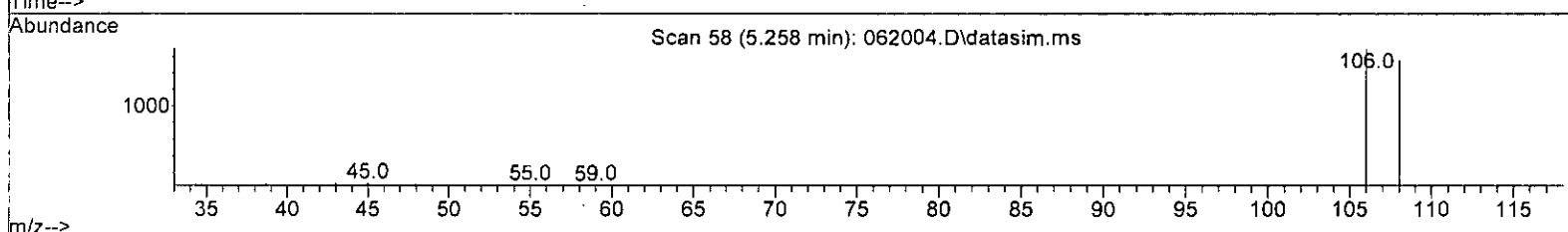
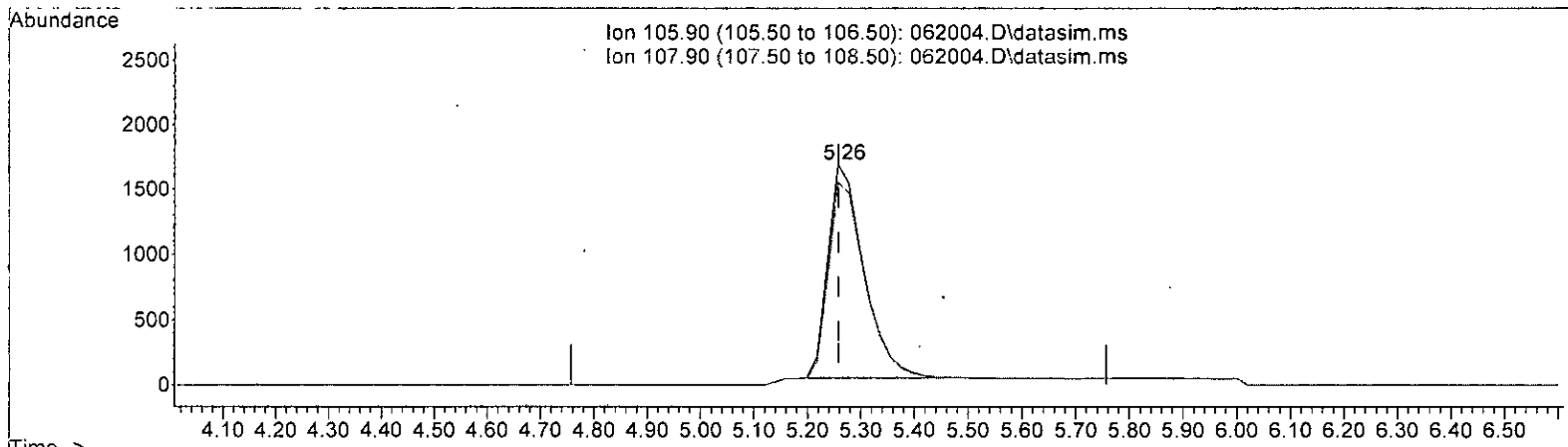
| (11) Vinyl bromide (TMP) | | | |
|------------------------------|--------|--------|--|
| 5.258min (-0.000) 3.114 ppbv | | | |
| response | 9820 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | |
| 107.90 | 94.10 | 95.75 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



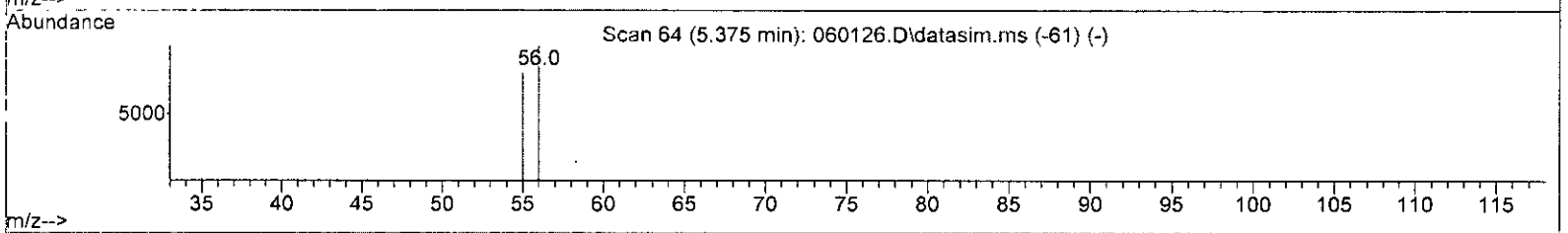
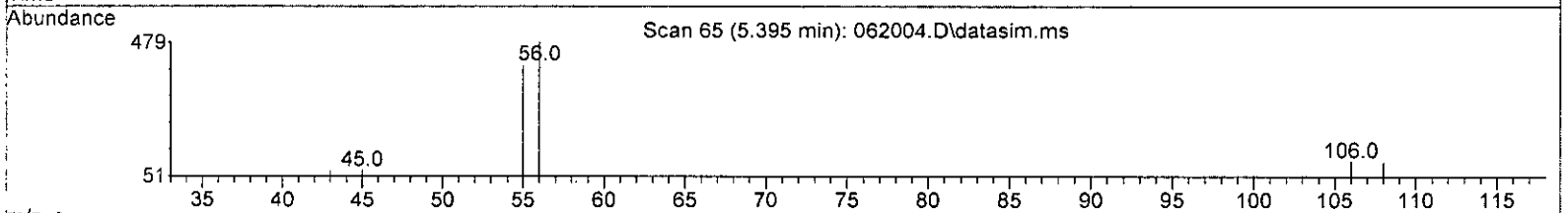
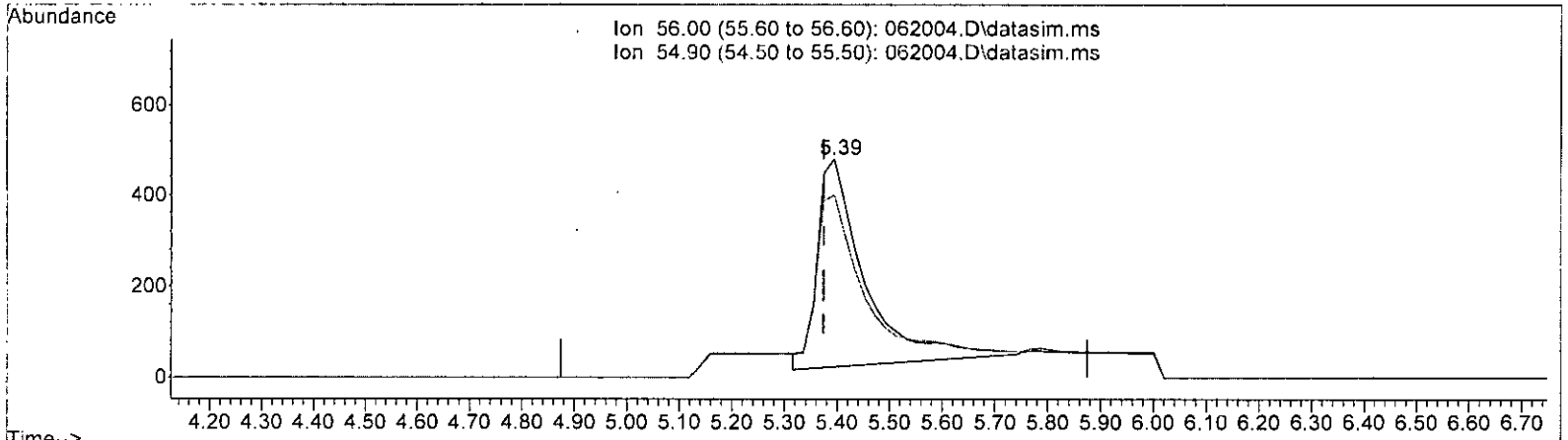
TIC: 062004.D\data.ms

| (11) Vinyl bromide (TMP) | | | |
|--------------------------------|--------|---------|-----------------------------|
| 5.258min (-0.000) 2.394 ppbv m | | | |
| response | 7550 | | |
| Ion | Exp% | Act% | |
| 105.90 | 100.00 | 100.00 | <i>MD</i> <i>6/21/23</i> |
| 107.90 | 94.10 | 124.54# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 2.276 ppbv

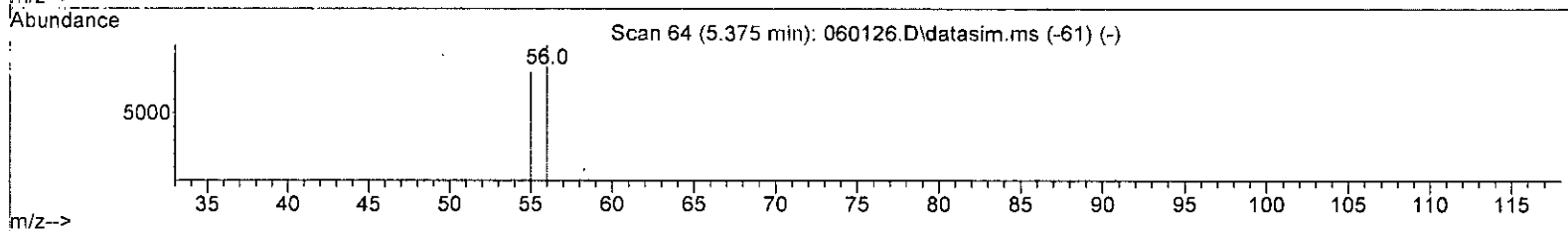
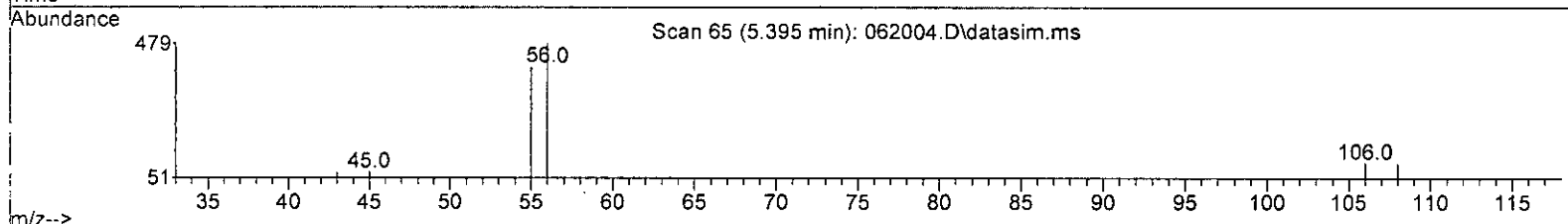
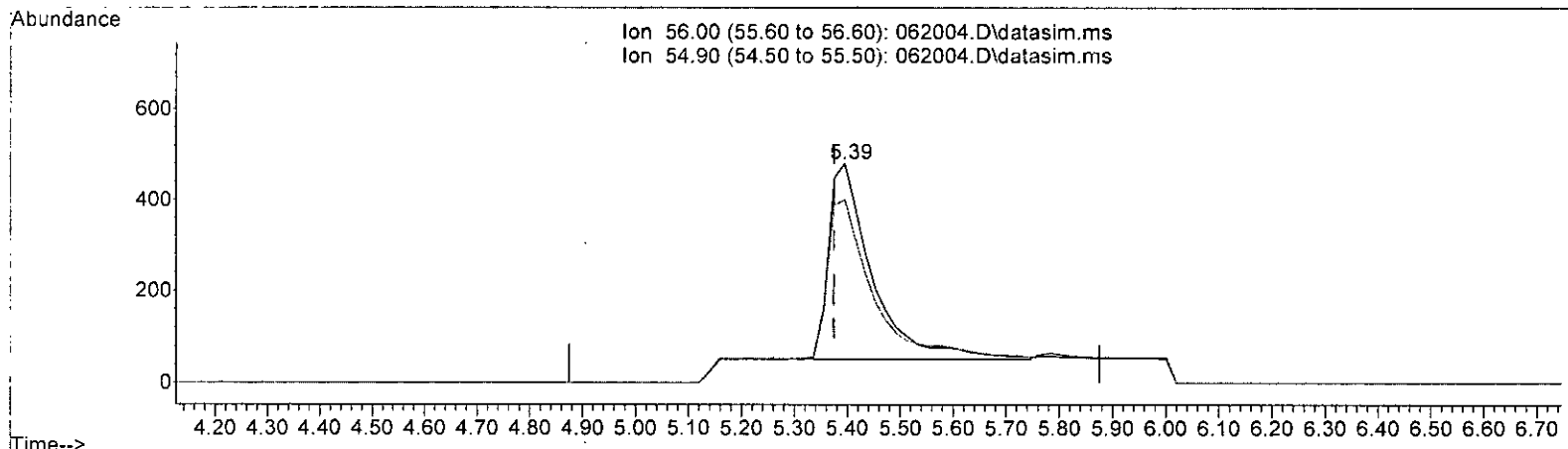
| response | Exp% | Act% |
|----------|--------|--------|
| 2882 | | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 88.41 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
07/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

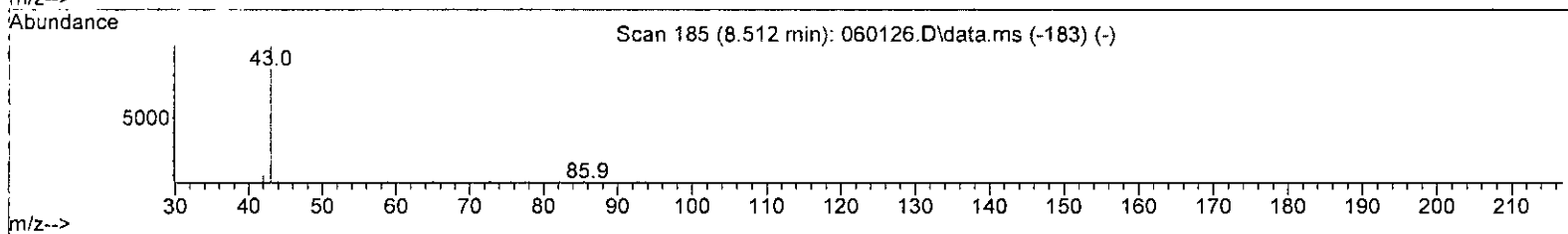
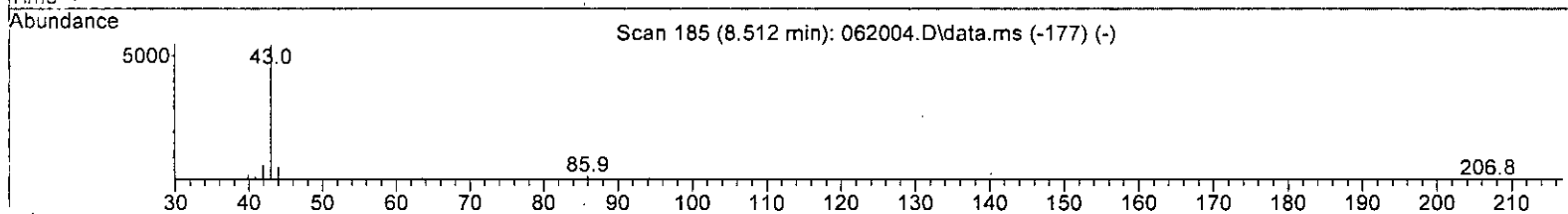
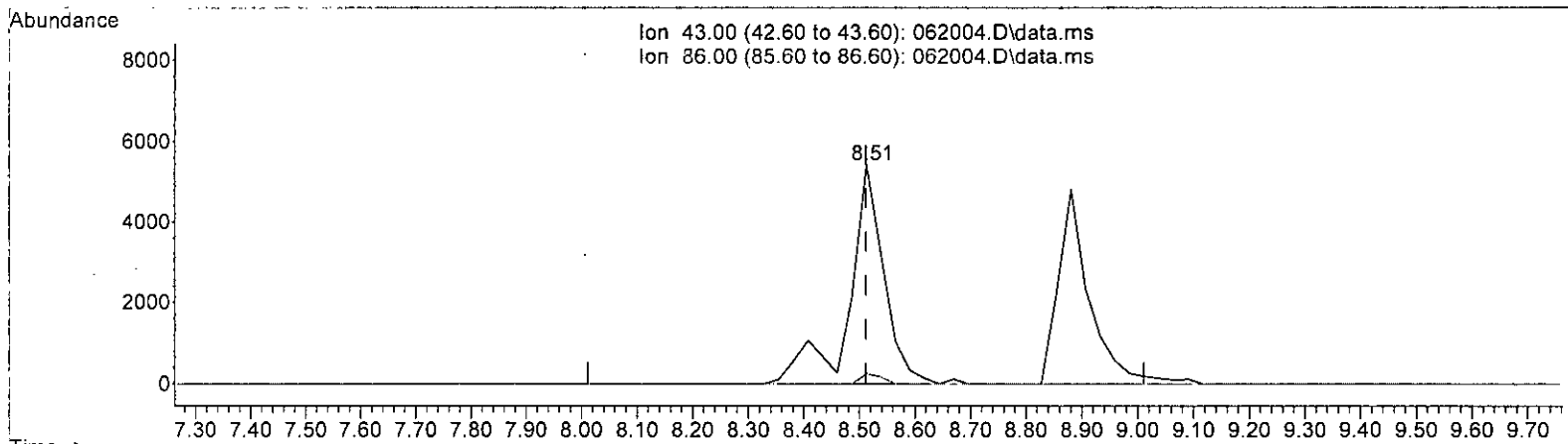
| (13) Acrolein (TMP) | | | |
|---------------------------------|--------|--------|--|
| 5.395min (+ 0.020) 1.916 ppbv m | | | |
| response | 2426 | | |
| Ion | Exp% | Act% | |
| 56.00 | 100.00 | 100.00 | |
| 54.90 | 81.00 | 105.03 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 Ics/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062004.D\data.ms

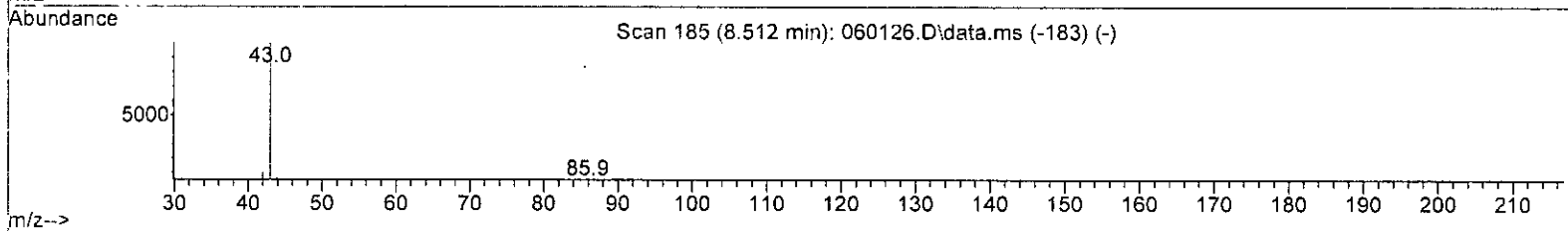
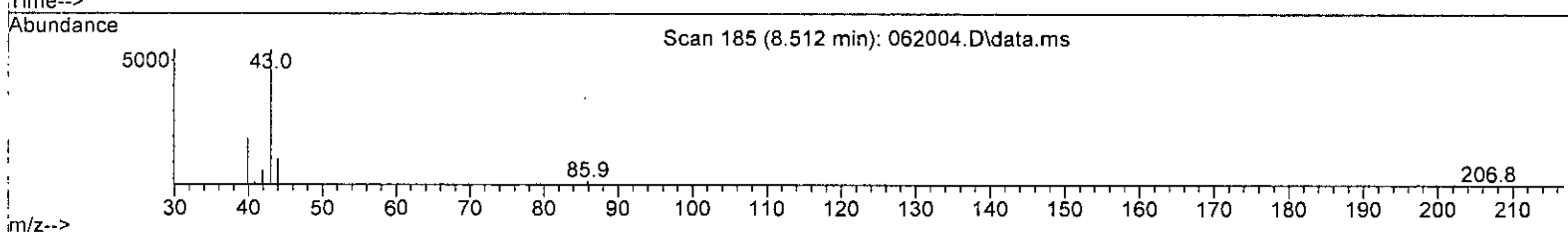
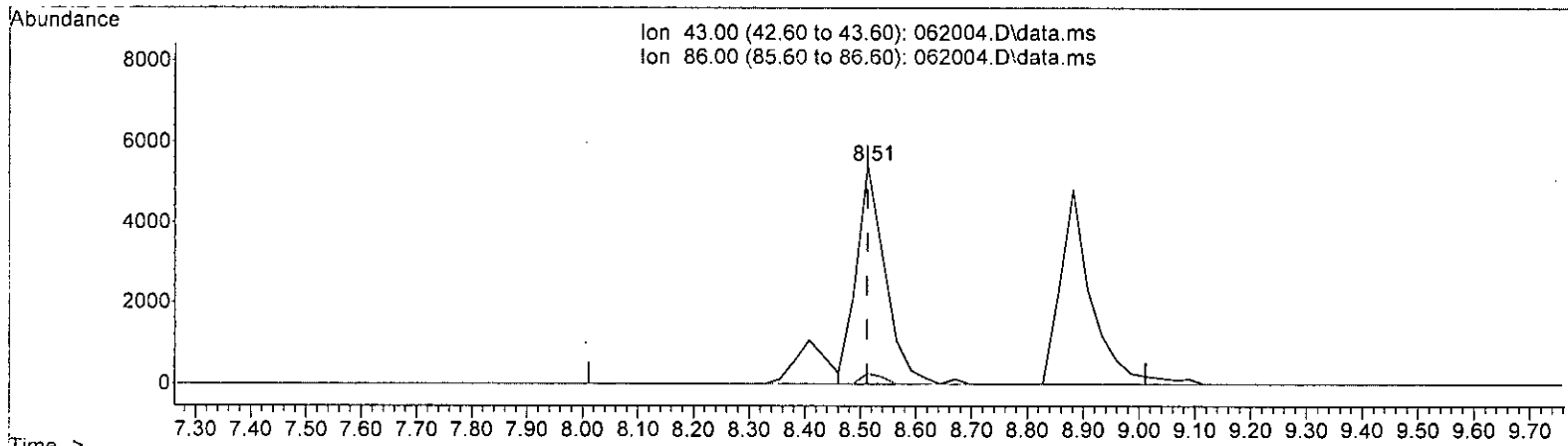
| (26) Vinyl acetate (TMP) | | | |
|--------------------------|------------|--------|--|
| 8.512min (+ 0.000) | 2.862 ppbv | | |
| response | 23640 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | |
| 86.00 | 4.20 | 4.56 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



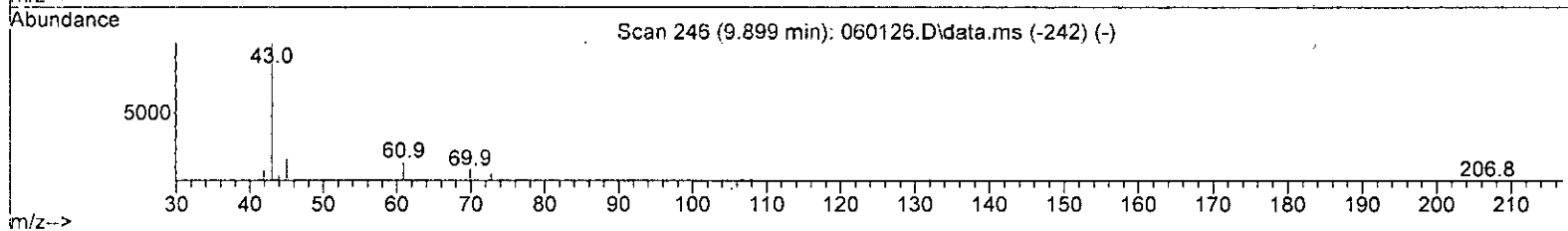
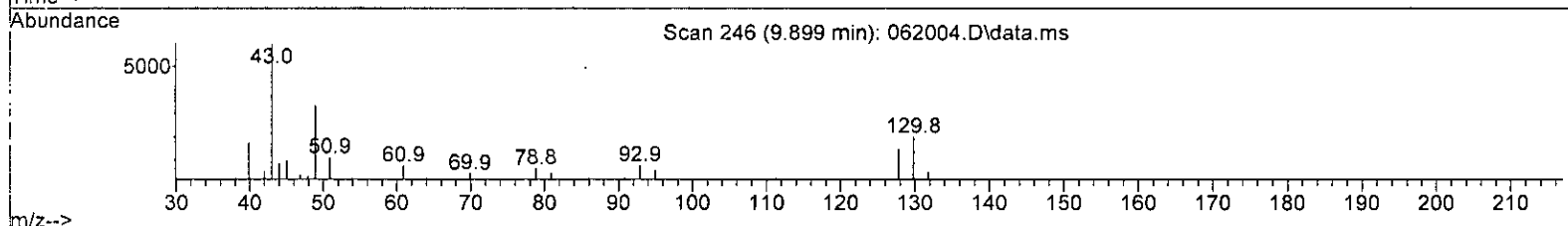
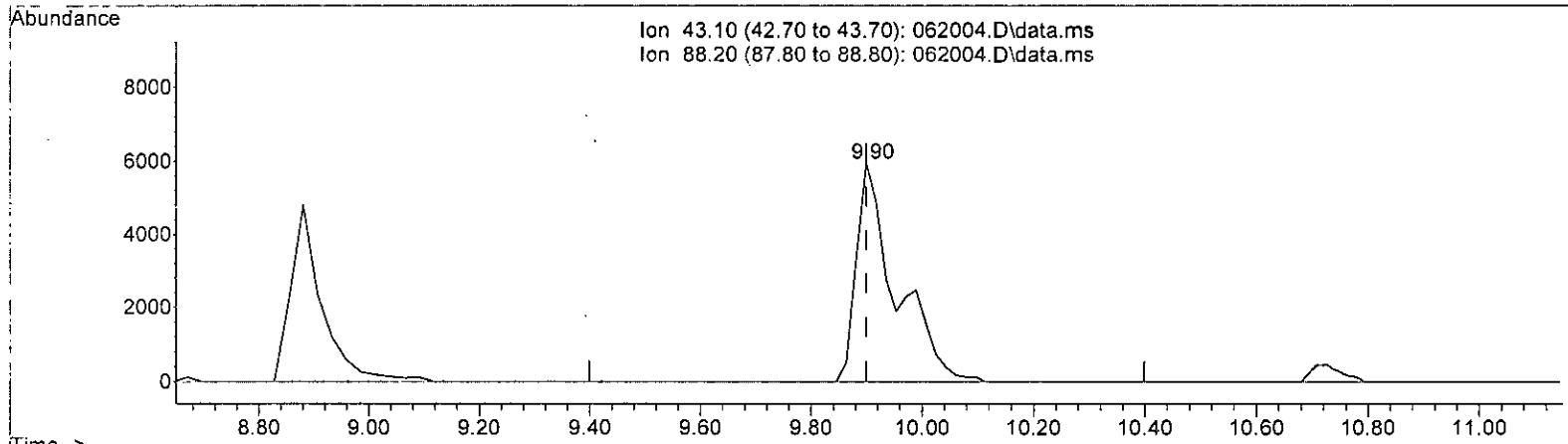
TIC: 062004.D\data.ms

| (26) Vinyl acetate (TMP) | | | |
|--------------------------|--------------|--------|-----------------------|
| 8.512min (+ 0.000) | 2.333 ppbv m | | |
| response | 19268 | | |
| Ion | Exp% | Act% | |
| 43.00 | 100.00 | 100.00 | <i>MD 6/21/23</i> |
| 86.00 | 4.20 | 4.56 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023 .
 Response via : Initial Calibration
 DataAcq Meth:TO1SDC.M



TIC: 062004.D\data.ms

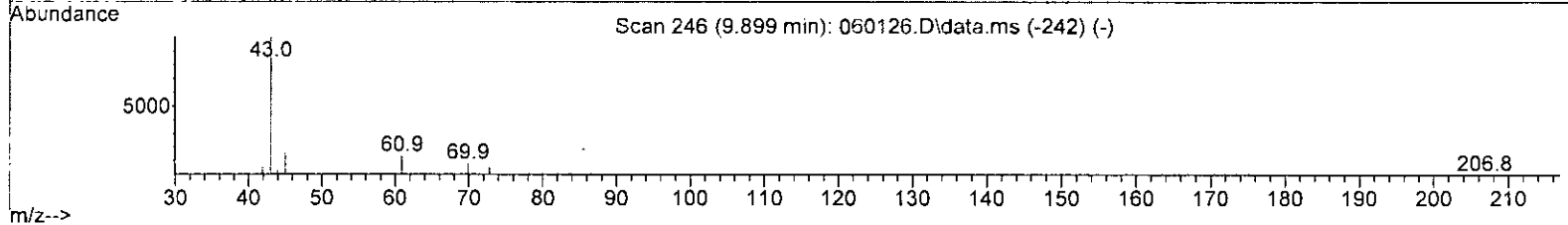
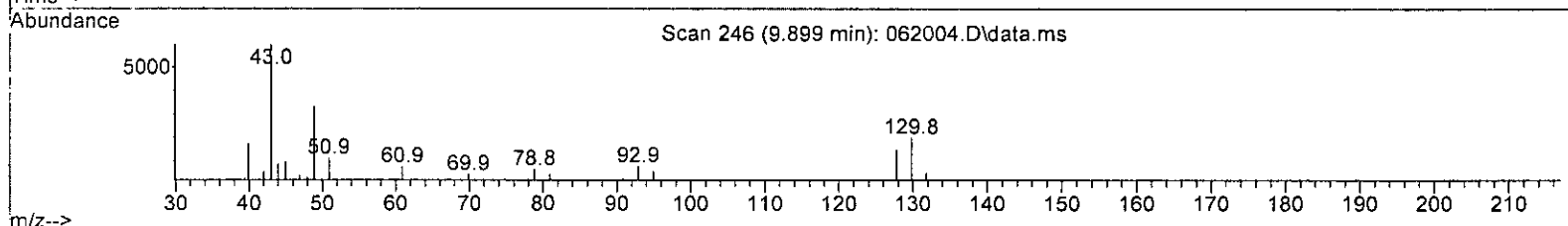
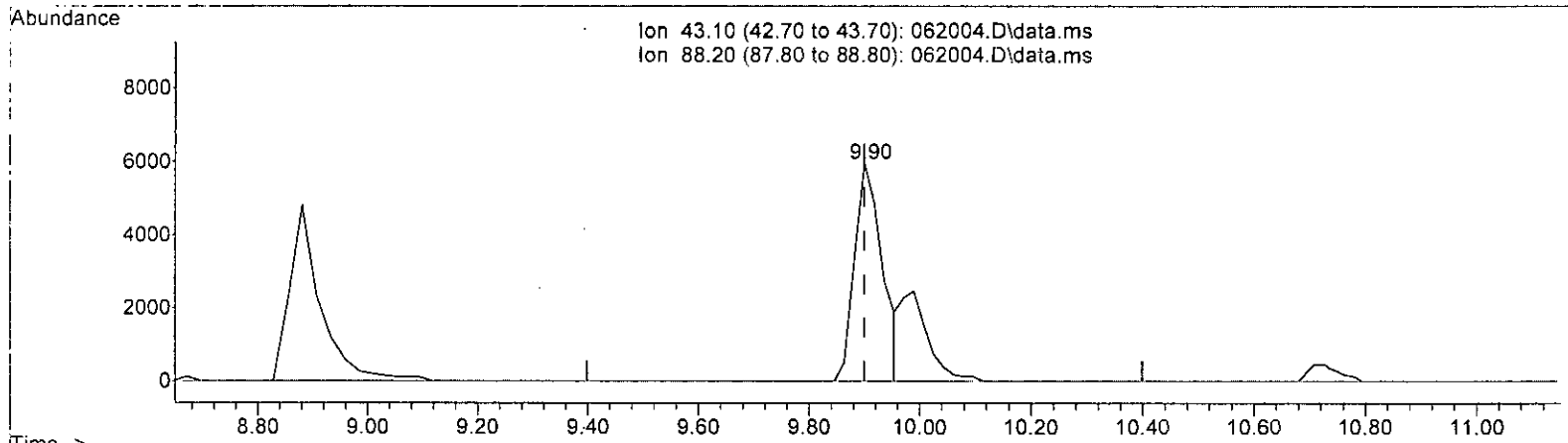
| (31) Ethyl acetate (TMP) | | | |
|--------------------------|------------|--------|--|
| 9.899min (+ 0.000) | 3.886 ppbv | | |
| response | 29139 | | |
| Ion | Exp% | Act% | |
| 43.10 | 100.00 | 100.00 | |
| 88.20 | 1.70 | 0.00# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



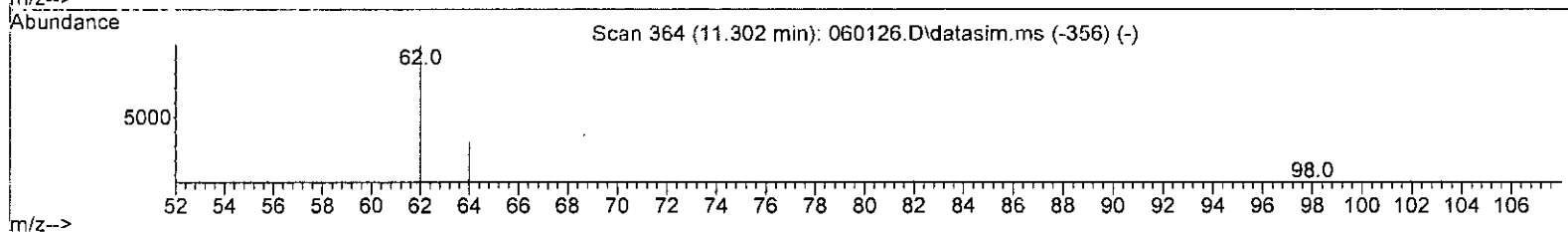
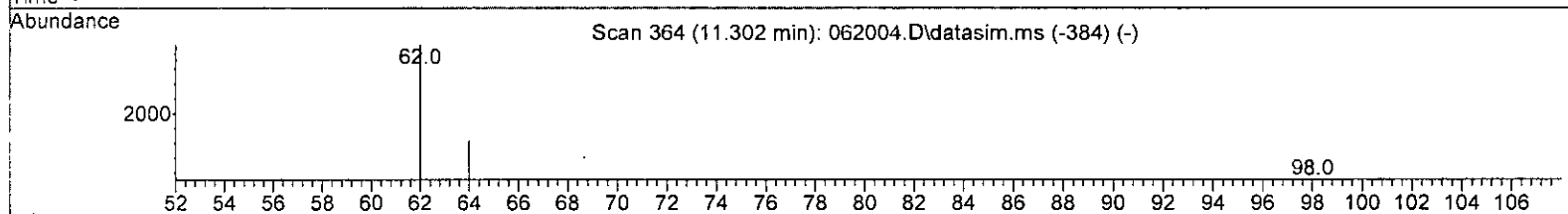
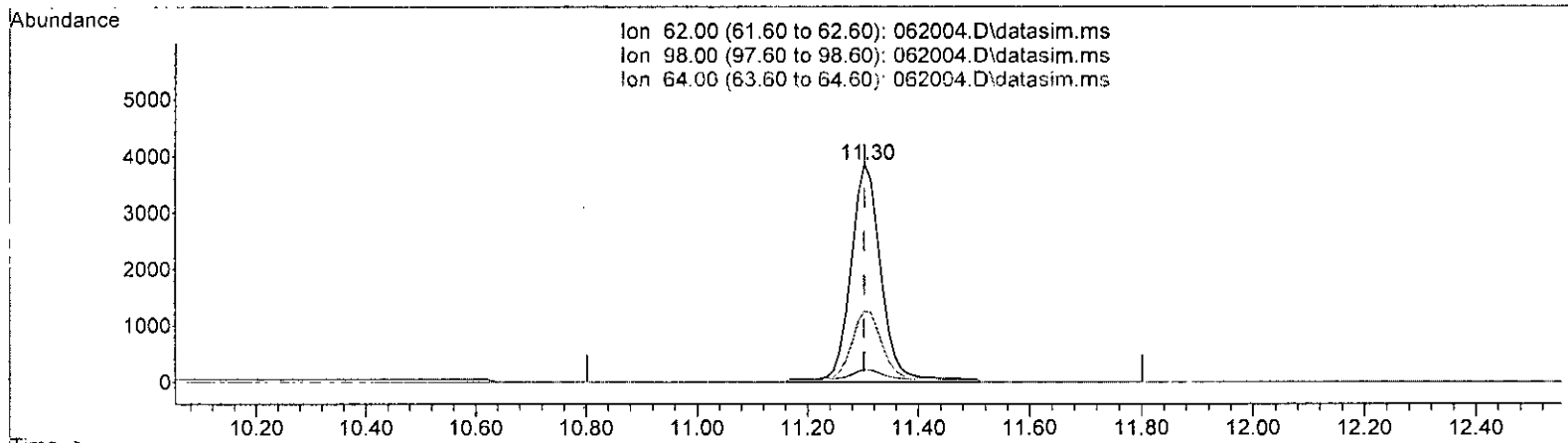
TIC: 062004.D\data.ms

| (31) Ethyl acetate (TMP) | | | |
|--------------------------|--------|--------|-------------------|
| 9.899min (+ 0.000) | 2.762 | ppbv | m |
| response | 20707 | | |
| Ion | Exp% | Act% | |
| 43.10 | 100.00 | 100.00 | <i>MD 6/21/23</i> |
| 88.20 | 1.70 | 0.00# | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

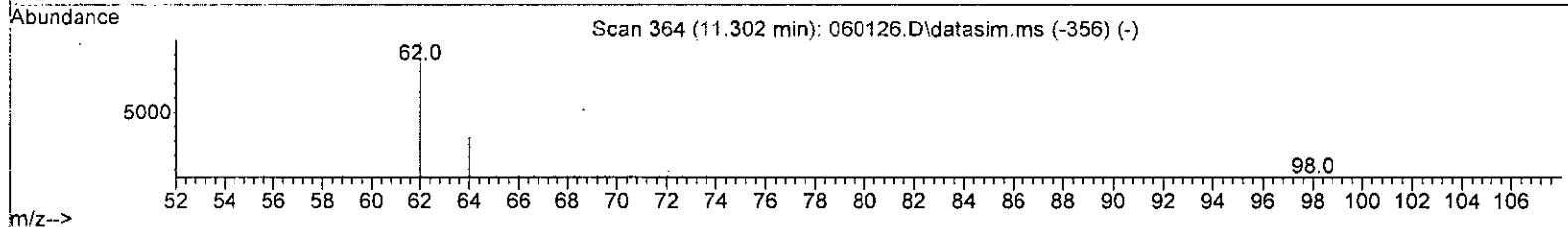
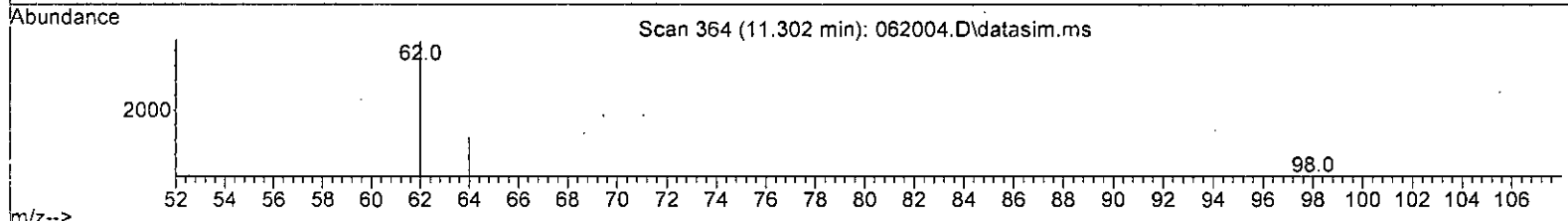
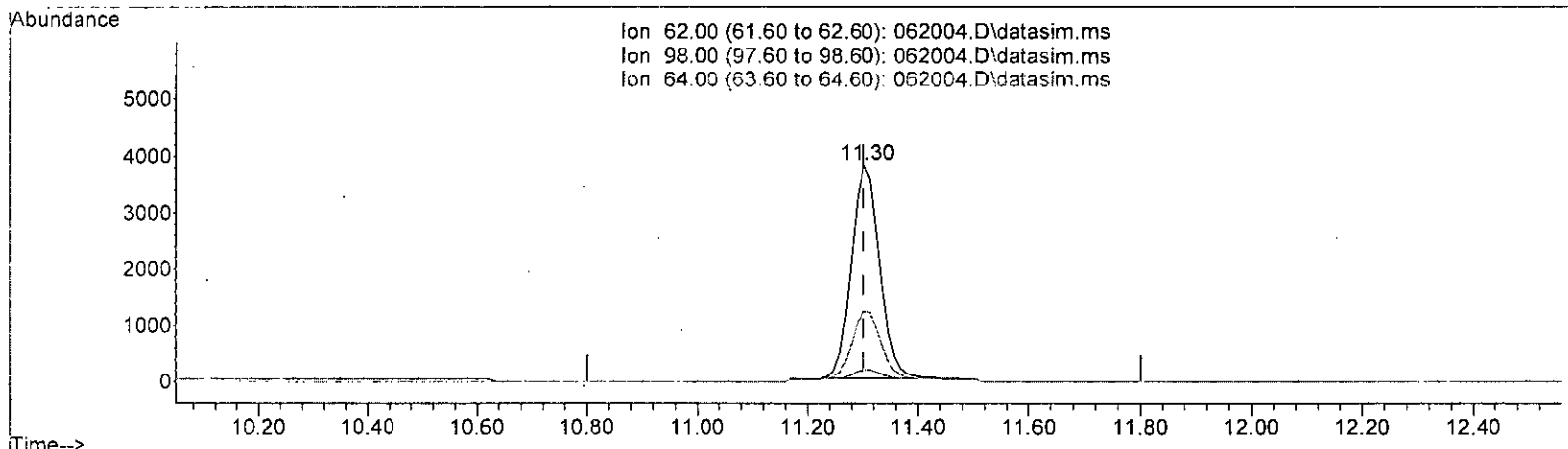
| (34) 1,2-Dichloroethane (EDC) (TMP) | | | |
|-------------------------------------|--------|--------|--|
| 11.302min (+ 0.000) 3.004 ppbv | | | |
| response | 14694 | | |
| Ion | Exp% | Act% | |
| 62.00 | 100.00 | 100.00 | |
| 98.00 | 5.30 | 5.60 | |
| 64.00 | 33.00 | 32.64 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 2.787 ppbv m

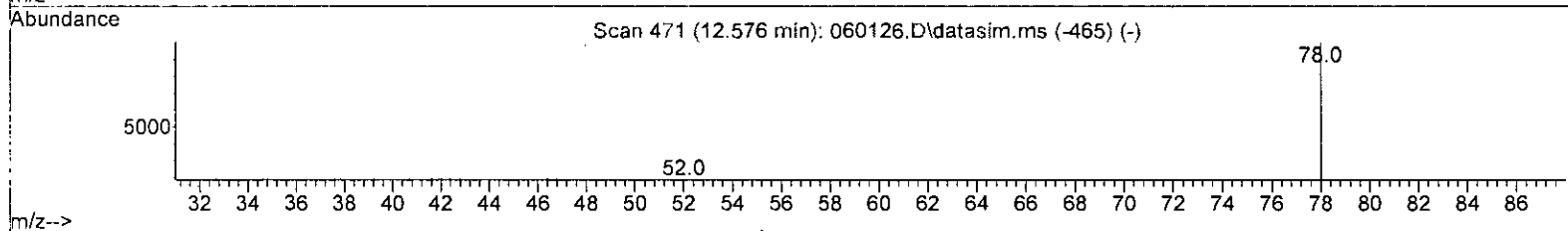
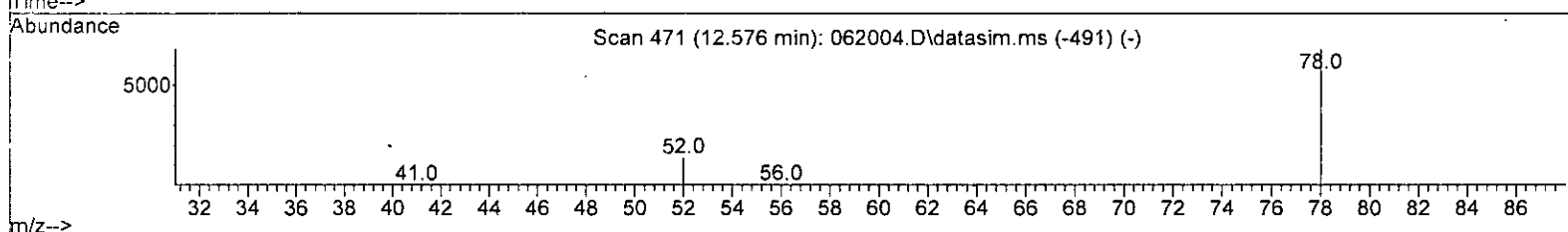
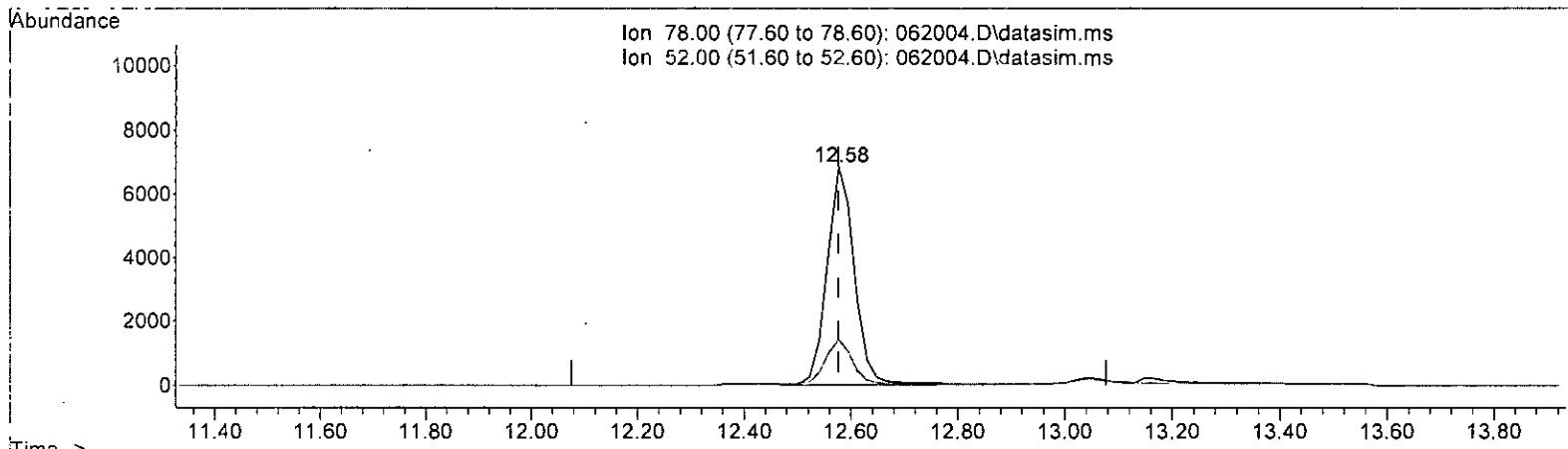
| response | 13634 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 5.60 |
| 64.00 | 33.00 | 32.64 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



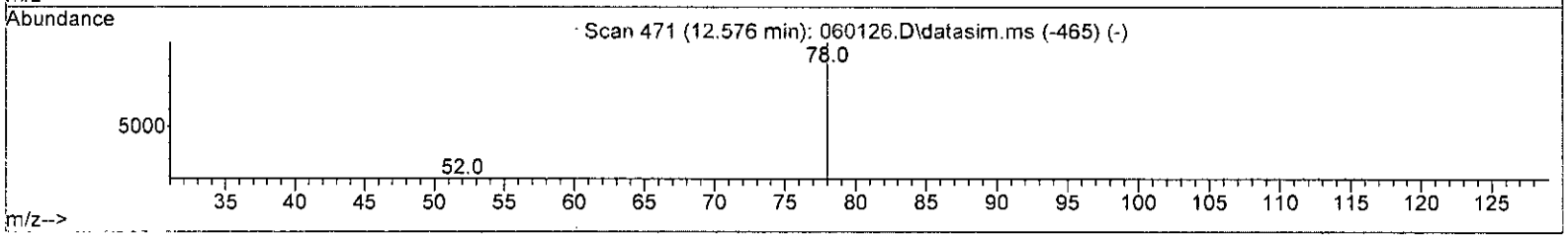
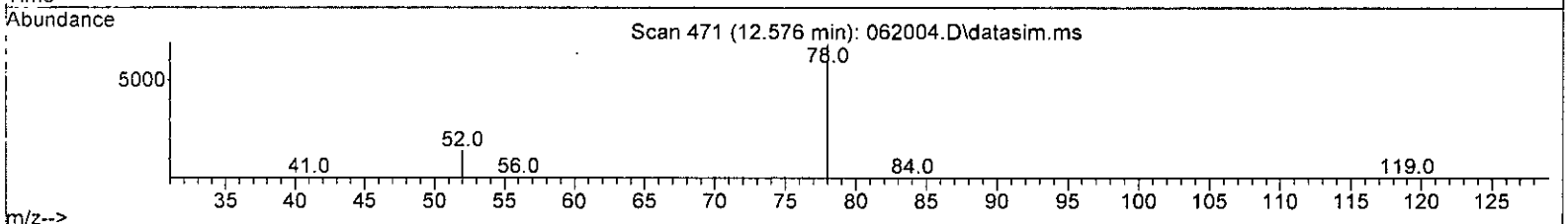
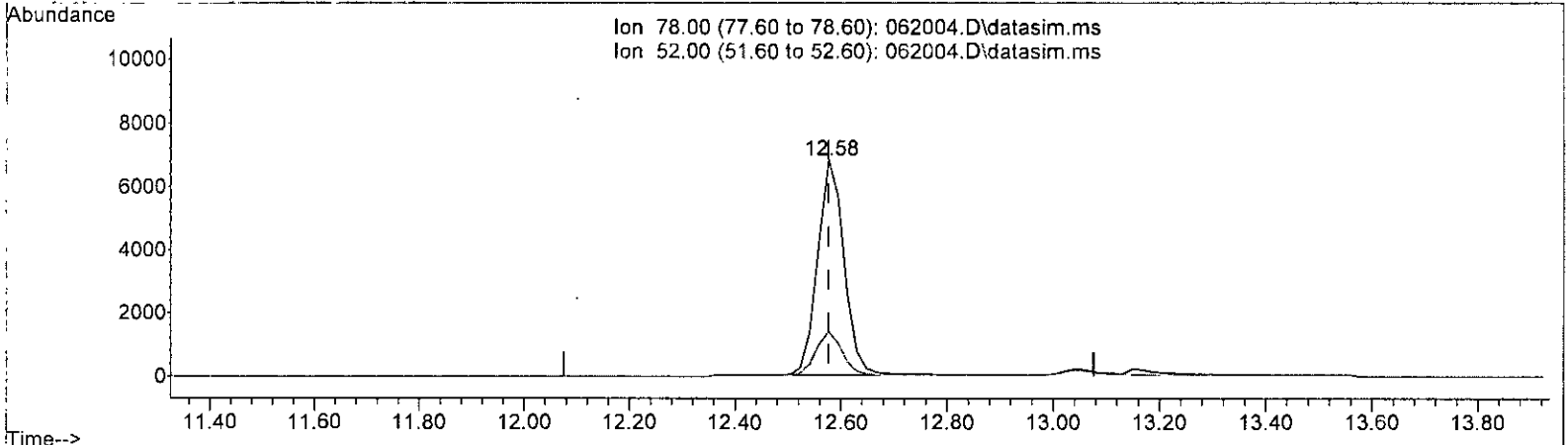
TIC: 062004.D\data.ms

| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|-----------------------|
| 12.576min (+ 0.000) | 2.320 | ppbv | |
| response | 24168 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | <i>MD 6/21/23</i> |
| 52.00 | 19.70 | 19.91 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



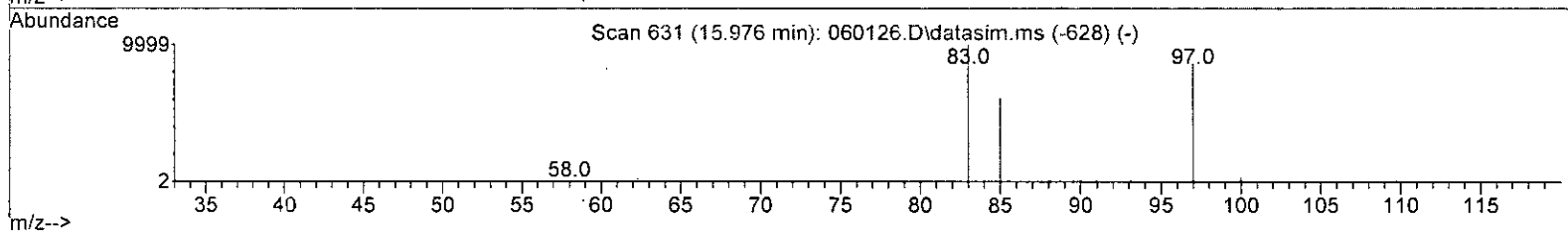
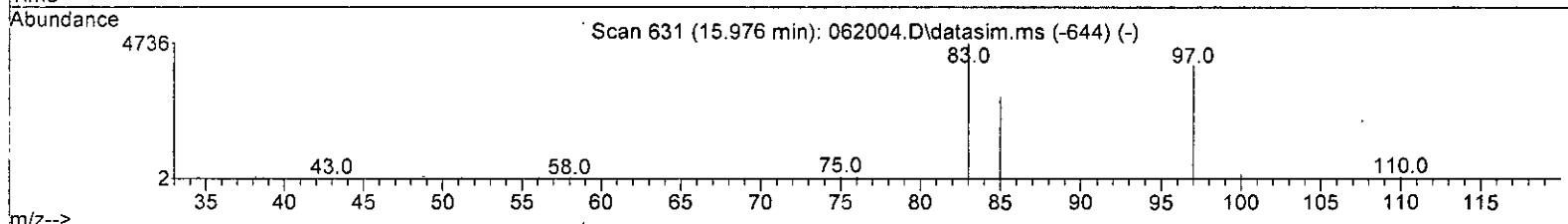
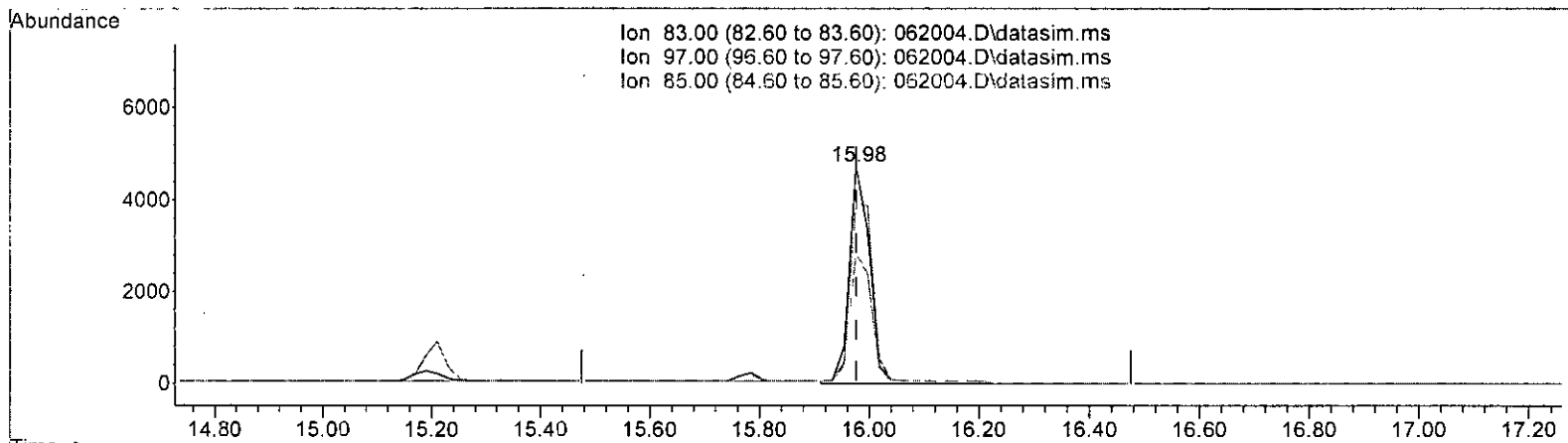
TIC: 062004.D\data.ms

| (37) Benzene (TMP) | | | |
|---------------------|--------------|--------|---------------|
| 12.576min (+ 0.000) | 2.246 ppbv m | | |
| response | 23406 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | MD 6/21/23 |
| 52.00 | 19.70 | 20.55 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCM57 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062004.D\data.ms

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

15.976min (-0.000) 3.169 ppbv

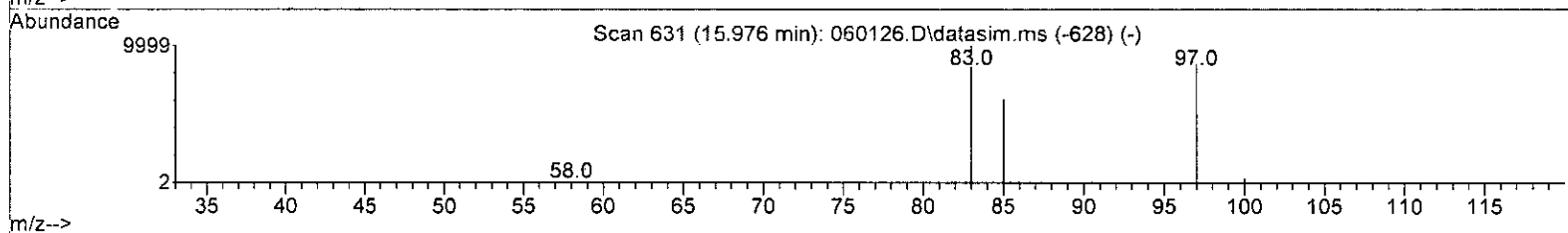
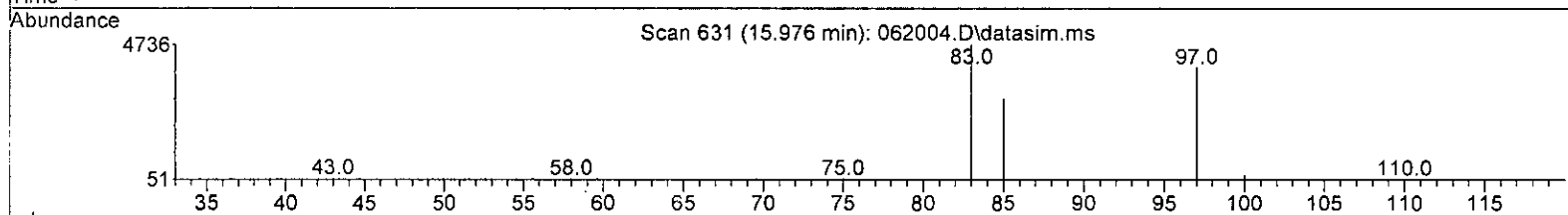
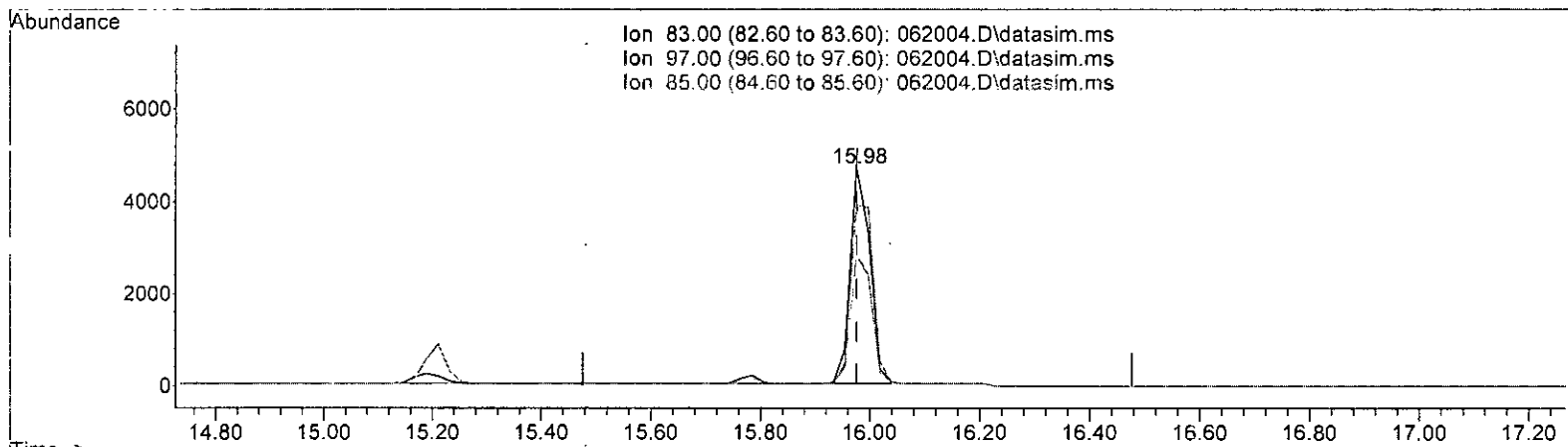
| response | 12791 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 83.11 |
| 85.00 | 60.50 60.10 |
| 0.00 | 0.00 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062004.D\data.ms

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

15.976min (-0.000) 2.848 ppbv m

| response | 11492 |
|----------|---------------|
| Ion | Exp% Act% |
| 83.00 | 100.00 100.00 |
| 97.00 | 81.80 83.11 |
| 85.00 | 60.50 60.10 |
| 0.00 | 0.00 0.00 |

MD 6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19062 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70380 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65893 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 47117 | 10.088 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 100.90% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 3.41 | 41 | 7349 | 2.981 | ppbv | 94 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 24849 | 3.026 | ppbv | 94 |
| 4) Chloromethane | 3.73 | 50 | 8774 | 2.796 | ppbv | 78 |
| 5) F-114 | 3.88 | 85 | 23162 | 2.853 | ppbv | 94 |
| 6] Vinyl chloride | 4.05 | 62 | 10013 | 2.841 | ppbv | 96 |
| 7] 1,3-Butadiene | 4.21 | 54 | 5656 | 2.450 | ppbv # | 94 |
| 8) Butane | 4.32 | 43 | 13271 | 2.852 | ppbv | 85 |
| 9) Bromomethane | 4.60 | 94 | 8933 | 2.950 | ppbv | 85 |
| 10] Chloroethane | 4.80 | 64 | 3698m | 2.831 | ppbv | |
| 11] Vinyl bromide | 5.26 | 106 | 7550m | 2.394 | ppbv | |
| 12) Ethanol | 4.92 | 45 | 3384 | 2.789 | ppbv | 87 |
| 13] Acrolein | 5.39 | 56 | 2426m | 1.916 | ppbv | |
| 14) Pentane | 6.25 | 43 | 12633 | 2.396 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 26374 | 3.098 | ppbv | 97 |
| 16) Acetone | 5.56 | 58 | 4210 | 3.203 | ppbv | 89 |
| 17) 2-Propanol | 5.78 | 45 | 16543 | 2.597 | ppbv # | 99 |
| 18] 1,1-Dichloroethene | 6.65 | 96 | 7518 | 2.486 | ppbv | 93 |
| 19] trans-1,2-Dichloroethene | 8.07 | 96 | 7243 | 2.423 | ppbv # | 83 |
| 20) Methylene chloride | 6.78 | 84 | 7790 | 2.752 | ppbv | 89 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 12850 | 2.288 | ppbv # | 58 |
| 22) 3-Chloropropene | 6.94 | 41 | 10708 | 2.592 | ppbv | 94 |
| 23) CFC-113 | 7.15 | 101 | 19117 | 2.953 | ppbv | 96 |
| 24) Carbon disulfide | 7.25 | 76 | 26435 | 2.750 | ppbv | 98 |
| 25) Methyl t-butyl ether (...) | 8.41 | 73 | 14394 | 2.118 | ppbv | 89 |
| 26) Vinyl acetate | 8.51 | 43 | 19268m | 2.333 | ppbv | |
| 27] 1,1-Dichloroethane | 8.33 | 63 | 18424 | 2.833 | ppbv | 96 |
| 28] cis-1,2-Dichloroethene | 9.60 | 96 | 7299 | 2.247 | ppbv # | 80 |
| 29) Hexane | 9.99 | 57 | 8364 | 2.120 | ppbv | 69 |
| 30] Chloroform | 10.07 | 83 | 20622 | 2.701 | ppbv | 99 |
| 31) Ethyl acetate | 9.90 | 43 | 20707m | 2.762 | ppbv | |
| 32) Tetrahydrofuran | 10.73 | 42 | 8194 | 2.328 | ppbv | 85 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 2778 | 2.404 | ppbv # | 68 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 13634m | 2.787 | ppbv | |
| 35] 1,1,1-Trichloroethane | 11.79 | 97 | 18415 | 2.778 | ppbv | 95 |
| 36] Carbon tetrachloride | 12.83 | 117 | 18933 | 2.809 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 23406m | 2.246 | ppbv | |
| 38) Cyclohexane | 13.04 | 84 | 5011 | 1.940 | ppbv # | 76 |
| 40] 1,2-Dichloropropane | 13.77 | 63 | 12831 | 3.031 | ppbv | 96 |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

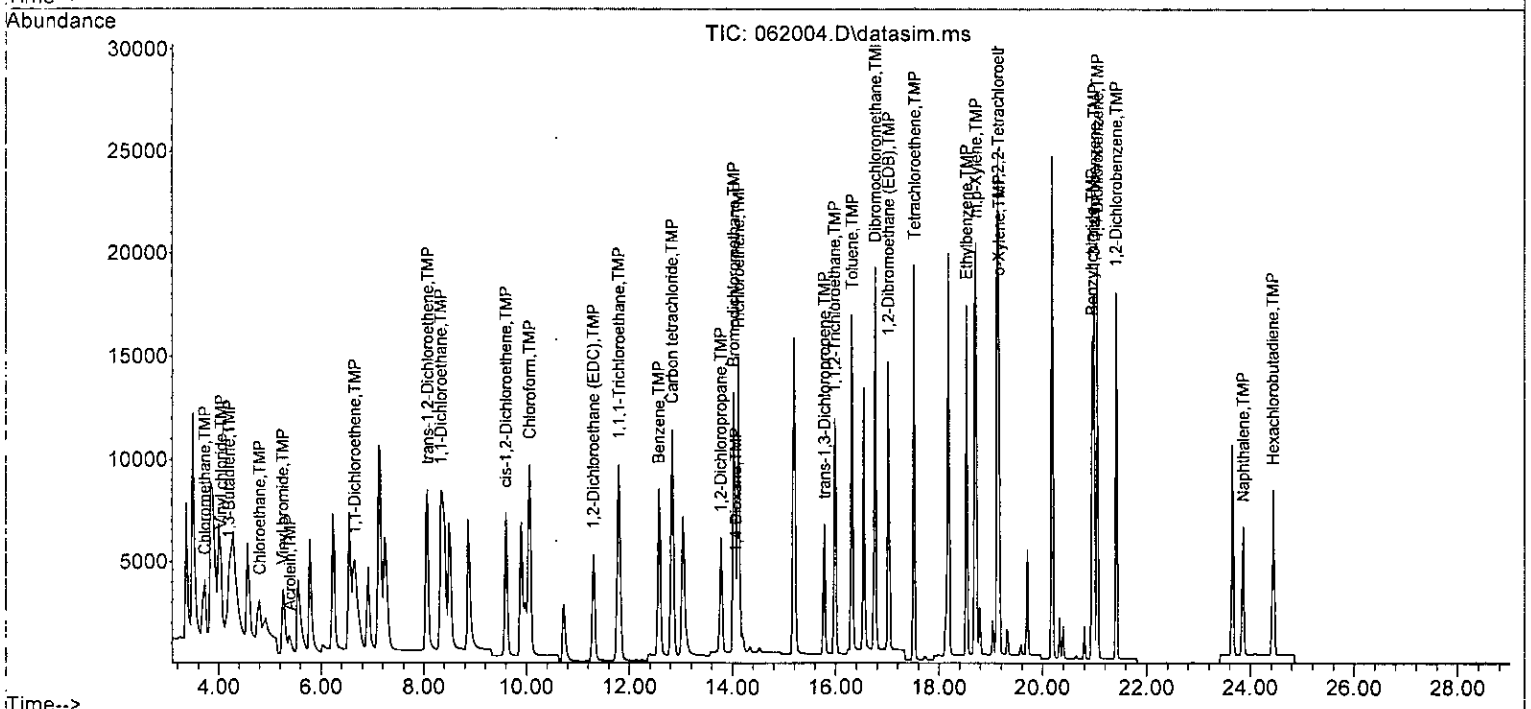
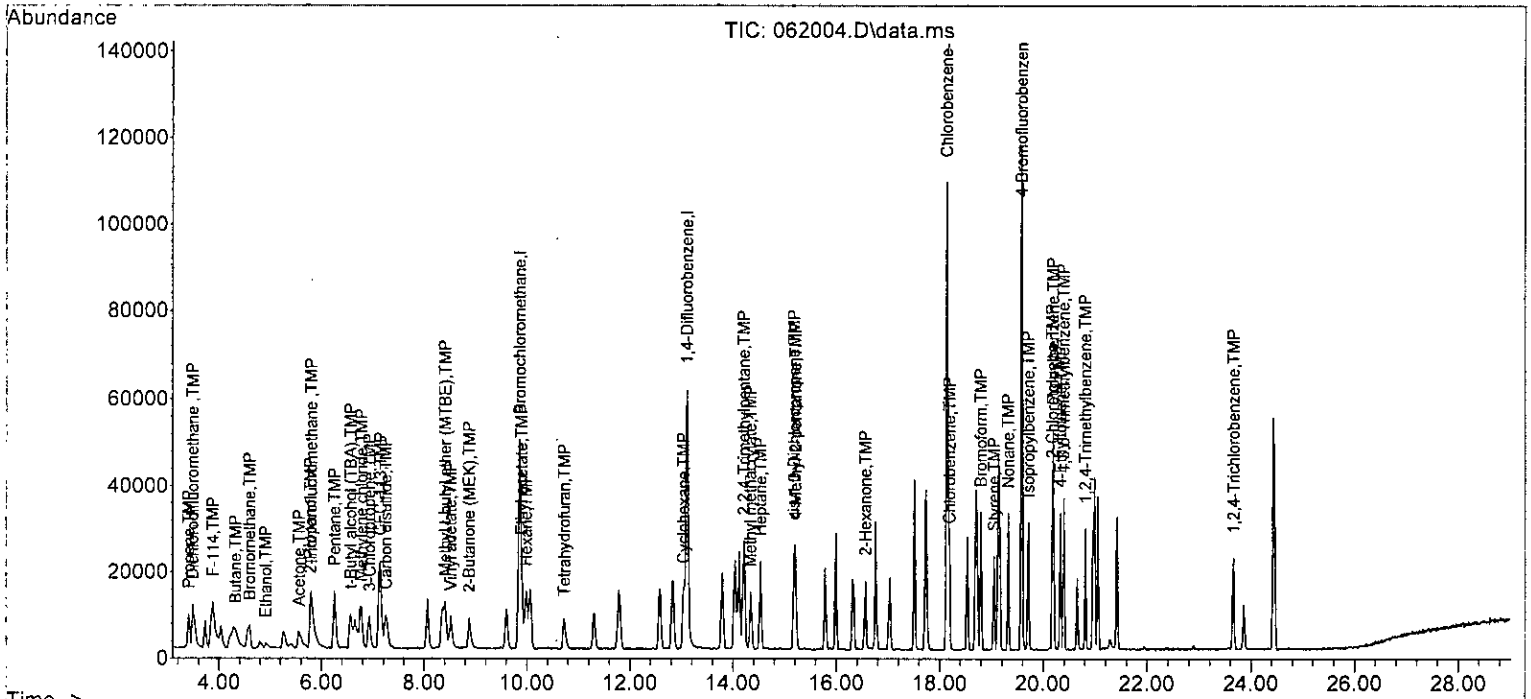
Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41] 1,4-Dioxane | 14.07 | 88 | 4038 | 2.167 | ppbv | 99 |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 31493 | 2.475 | ppbv # | 70 |
| 43) Methyl methacrylate | 14.33 | 41 | 11117 | 2.860 | ppbv # | 84 |
| 44) Heptane | 14.53 | 43 | 11392 | 2.597 | ppbv | 95 |
| 45] Bromodichloromethane | 14.02 | 83 | 21505 | 3.138 | ppbv | 100 |
| 46] Trichloroethene | 14.12 | 95 | 12030 | 2.781 | ppbv | 98 |
| 47) cis-1,3-Dichloropropene | 15.18 | 75 | 13289 | 2.739 | ppbv | 98 |
| 48) 4-Methyl-2-pentanone | 15.21 | 100 | 586 | 1.777 | ppbv # | 1 |
| 49] trans-1,3-Dichloropropene | 15.78 | 75 | 12623 | 2.582 | ppbv | 93 |
| 50] Toluene | 16.31 | 92 | 13252 | 2.377 | ppbv | 89 |
| 51] 1,1,2-Trichloroethane | 15.98 | 83 | 11492m | 2.848 | ppbv | |
| 52) 2-Hexanone | 16.56 | 43 | 17033 | 2.543 | ppbv | 89 |
| 53] Tetrachloroethene | 17.52 | 164 | 9457 | 2.766 | ppbv | 94 |
| 54] Dibromochloromethane | 16.76 | 129 | 19693 | 2.964 | ppbv | 92 |
| 55] 1,2-Dibromoethane (EDB) | 17.01 | 107 | 17706 | 2.697 | ppbv | 83 |
| 57) Chlorobenzene | 18.19 | 112 | 17841 | 2.531 | ppbv | 97 |
| 58] Ethylbenzene | 18.53 | 91 | 23609 | 2.062 | ppbv | 99 |
| 59] 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 27942 | 2.769 | ppbv | 92 |
| 60) Nonane | 19.32 | 43 | 12176 | 2.462 | ppbv # | 91 |
| 61) Isopropylbenzene | 19.72 | 105 | 22630 | 2.294 | ppbv | 97 |
| 62) 2-Chlorotoluene | 20.17 | 126 | 5974 | 2.259 | ppbv | 89 |
| 63) Propylbenzene | 20.19 | 91 | 45872 | 2.306 | ppbv | 97 |
| 64) 4-Ethyltoluene | 20.33 | 105 | 20315 | 2.100 | ppbv | 100 |
| 65] m,p-Xylene | 18.70 | 106 | 16038 | 3.923 | ppbv | 100 |
| 66] o-Xylene | 19.15 | 106 | 7535 | 2.171 | ppbv | 95 |
| 67) Styrene | 19.05 | 104 | 10744 | 2.126 | ppbv | 96 |
| 68) Bromoform | 18.80 | 173 | 18666 | 3.013 | ppbv | 98 |
| 70] Benzyl chloride | 20.95 | 91 | 22911 | 2.570 | ppbv | 92 |
| 71) 1,3,5-Trimethylbenzene | 20.39 | 105 | 19119 | 2.189 | ppbv | 99 |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 15700 | 2.035 | ppbv | 93 |
| 73] 1,3-Dichlorobenzene | 20.99 | 146 | 17572 | 2.533 | ppbv | 89 |
| 74] 1,4-Dichlorobenzene | 21.05 | 146 | 15653 | 2.405 | ppbv | 92 |
| 75] 1,2-Dichlorobenzene | 21.41 | 146 | 16346 | 2.438 | ppbv | 96 |
| 76) 1,2,4-Trichlorobenzene | 23.67 | 180 | 10332 | 1.965 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 13284 | 1.597 | ppbv | 99 |
| 78] Hexachlorobutadiene | 24.44 | 225 | 18269 | 2.515 | ppbv | 96 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Bromochloromethane | 10.000 | 10.000 | 0.0 | 93 | 0.00 |
| 2 TMP | Propene | 2.500 | 2.981 | -19.2 | 105 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 2.500 | 3.026 | -21.0 | 90 | 0.00 |
| 4 TMP | Chloromethane | 2.500 | 2.796 | -11.8 | 93 | 0.04 |
| 5 TMP | F-114 | 2.500 | 2.853 | -14.1 | 87 | 0.00 |
| 6 TMP | Vinyl chloride | 2.500 | 2.841 | -13.6 | 92 | 0.04 |
| 7 TMP | 1,3-Butadiene | 2.500 | 2.450 | 2.0 | 82 | 0.00 |
| 8 TMP | Butane | 2.500 | 2.852 | -14.1 | 92 | 0.04 |
| 9 TMP | Bromomethane | 2.500 | 2.950 | -18.0 | 90 | 0.04 |
| 10 TMP | Chloroethane | 2.500 | 2.831 | -13.2 | 93 | 0.00 |
| 11 TMP | Vinyl bromide | 2.500 | 2.394 | 4.2 | 78 | 0.00 |
| 12 TMP | Ethanol | 2.500 | 2.789 | -11.6 | 83 | -0.04 |
| 13 TMP | Acrolein | 2.500 | 1.916 | 23.4 | 71 | 0.02 |
| 14 TMP | Pentane | 2.500 | 2.396 | 4.2 | 81 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 2.500 | 3.098 | -23.9 | 91 | -0.02 |
| 16 TMP | Acetone | 2.500 | 3.203 | -28.1 | 105 | 0.02 |
| 17 TMP | 2-Propanol | 2.500 | 2.597 | -3.9 | 82 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 2.500 | 2.486 | 0.6 | 83 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 2.500 | 2.423 | 3.1 | 80 | 0.00 |
| 20 TMP | Methylene chloride | 2.500 | 2.752 | -10.1 | 90 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.500 | 2.288 | 8.5 | 75 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.500 | 2.592 | -3.7 | 86 | 0.00 |
| 23 TMP | CFC-113 | 2.500 | 2.953 | -18.1 | 91 | 0.00 |
| 24 TMP | Carbon disulfide | 2.500 | 2.750 | -10.0 | 89 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 2.500 | 2.118 | 15.3 | 68 | 0.00 |
| 26 TMP | Vinyl acetate | 2.500 | 2.333 | 6.7 | 78 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 2.500 | 2.833 | -13.3 | 93 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 2.500 | 2.247 | 10.1 | 76 | 0.00 |
| 29 TMP | Hexane | 2.500 | 2.120 | 15.2 | 68 | 0.00 |
| 30 TMP | Chloroform | 2.500 | 2.701 | -8.0 | 91 | 0.00 |
| 31 TMP | Ethyl acetate | 2.500 | 2.762 | -10.5 | 91 | 0.00 |
| 32 TMP | Tetrahydrofuran | 2.500 | 2.328 | 6.9 | 77 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 2.500 | 2.404 | 3.8 | 81 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.500 | 2.787 | -11.5 | 94 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 2.500 | 2.778 | -11.1 | 90 | 0.00 |
| 36 TMP | Carbon tetrachloride | 2.500 | 2.809 | -12.4 | 91 | 0.00 |
| 37 TMP | Benzene | 2.500 | 2.246 | 10.2 | 78 | 0.00 |
| 38 TMP | Cyclohexane | 2.500 | 1.940 | 22.4 | 62 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 10.000 | 10.000 | 0.0 | 81 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 2.500 | 3.031 | -21.2 | 90 | 0.00 |
| 41 TMP | 1,4-Dioxane | 2.500 | 2.167 | 13.3 | 65 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 2.500 | 2.475 | 1.0 | 71 | 0.00 |
| 43 TMP | Methyl methacrylate | 2.500 | 2.860 | -14.4 | 84 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------------------------------|--------|--------|-------|-------|----------|
| 44 TMP Heptane | 2.500 | 2.597 | -3.9 | 77 | 0.00 |
| 45 TMP Bromodichloromethane | 2.500 | 3.138 | -25.5 | 91 | 0.00 |
| 46 TMP Trichloroethene | 2.500 | 2.781 | -11.2 | 82 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 2.500 | 2.739 | -9.6 | 79 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 2.500 | 1.777 | 28.9 | 54 | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 2.500 | 2.582 | -3.3 | 78 | 0.00 |
| 50 TMP Toluene | 2.500 | 2.377 | 4.9 | 76 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 2.500 | 2.848 | -13.9 | 87 | 0.00 |
| 52 TMP 2-Hexanone | 2.500 | 2.543 | -1.7 | 78 | 0.00 |
| 53 TMP Tetrachloroethene | 2.500 | 2.766 | -10.6 | 77 | 0.00 |
| 54 TMP Dibromochloromethane | 2.500 | 2.964 | -18.6 | 88 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 2.500 | 2.697 | -7.9 | 82 | 0.00 |
| 56 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 85 | 0.00 |
| 57 TMP Chlorobenzene | 2.500 | 2.531 | -1.2 | 75 | 0.02 |
| 58 TMP Ethylbenzene | 2.500 | 2.062 | 17.5 | 66 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 2.500 | 2.769 | -10.8 | 87 | 0.00 |
| 60 TMP Nonane | 2.500 | 2.462 | 1.5 | 75 | 0.00 |
| 61 TMP Isopropylbenzene | 2.500 | 2.294 | 8.2 | 71 | 0.00 |
| 62 TMP 2-Chlorotoluene | 2.500 | 2.259 | 9.6 | 70 | 0.00 |
| 63 TMP Propylbenzene | 2.500 | 2.306 | 7.8 | 71 | 0.00 |
| 64 TMP 4-Ethyltoluene | 2.500 | 2.100 | 16.0 | 66 | 0.00 |
| 65 TMP m,p-Xylene | 5.000 | 3.923 | 21.5 | 65 | 0.00 |
| 66 TMP o-Xylene | 2.500 | 2.171 | 13.2 | 68 | 0.00 |
| 67 TMP Styrene | 2.500 | 2.126 | 15.0 | 65 | 0.00 |
| 68 TMP Bromoform | 2.500 | 3.013 | -20.5 | 96 | 0.00 |
| 69 S 4-Bromofluorobenzene | 10.000 | 10.088 | -0.9 | 85 | 0.00 |
| 70 TMP Benzyl chloride | 2.500 | 2.570 | -2.8 | 79 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 2.500 | 2.189 | 12.4 | 68 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 2.500 | 2.035 | 18.6 | 62 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 2.500 | 2.533 | -1.3 | 78 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 2.500 | 2.405 | 3.8 | 75 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 2.500 | 2.438 | 2.5 | 75 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 2.500 | 1.965 | 21.4 | 65 | 0.00 |
| 77 TMP Naphthalene | 2.500 | 1.597 | 36.1# | 55 | 0.00 |
| 78 TMP Hexachlorobutadiene | 2.500 | 2.515 | -0.6 | 78 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I | Bromochloromethane | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 2 TMP | Propene | 1.293 | 1.542 | -19.3 | 105 | 0.00 |
| 3 TMP | Dichlorodifluoromethane | 4.308 | 5.214 | -21.0 | 90 | 0.00 |
| 4 TMP | Chloromethane | 1.646 | 1.841 | -11.8 | 93 | 0.04 |
| 5 TMP | F-114 | 4.259 | 4.860 | -14.1 | 87 | 0.00 |
| 6 TMP | Vinyl chloride | 1.849 | 2.101 | -13.6 | 92 | 0.04 |
| 7 TMP | 1,3-Butadiene | 1.211 | 1.187 | 2.0 | 82 | 0.00 |
| 8 TMP | Butane | 2.441 | 2.785 | -14.1 | 92 | 0.04 |
| 9 TMP | Bromomethane | 1.588 | 1.875 | -18.1 | 90 | 0.04 |
| 10 TMP | Chloroethane | 0.685 | 0.776 | -13.3 | 93 | 0.00 |
| 11 TMP | Vinyl bromide | 1.655 | 1.584 | 4.3 | 78 | 0.00 |
| 12 TMP | Ethanol | 0.637 | 0.710 | -11.5 | 83 | -0.04 |
| 13 TMP | Acrolein | 0.664 | 0.509 | 23.3 | 71 | 0.02 |
| 14 TMP | Pentane | 2.765 | 2.651 | 4.1 | 81 | 0.00 |
| 15 TMP | Trichlorofluoromethane | 4.466 | 5.534 | -23.9 | 91 | -0.02 |
| 16 TMP | Acetone | 0.689 | 0.883 | -28.2 | 105 | 0.02 |
| 17 TMP | 2-Propanol | 3.342 | 3.471 | -3.9 | 82 | 0.00 |
| 18 TMP | 1,1-Dichloroethene | 1.587 | 1.578 | 0.6 | 83 | 0.00 |
| 19 TMP | trans-1,2-Dichloroethene | 1.568 | 1.520 | 3.1 | 80 | 0.00 |
| 20 TMP | Methylene chloride | 1.485 | 1.635 | -10.1 | 90 | 0.03 |
| 21 TMP | t-Butyl alcohol (TBA) | 2.946 | 2.696 | 8.5 | 75 | 0.00 |
| 22 TMP | 3-Chloropropene | 2.167 | 2.247 | -3.7 | 86 | 0.00 |
| 23 TMP | CFC-113 | 3.396 | 4.012 | -18.1 | 91 | 0.00 |
| 24 TMP | Carbon disulfide | 5.043 | 5.547 | -10.0 | 89 | 0.00 |
| 25 TMP | Methyl t-butyl ether (MTBE) | 3.565 | 3.020 | 15.3 | 68 | 0.00 |
| 26 TMP | Vinyl acetate | 4.333 | 4.043 | 6.7 | 78 | 0.00 |
| 27 TMP | 1,1-Dichloroethane | 3.411 | 3.866 | -13.3 | 93 | 0.00 |
| 28 TMP | cis-1,2-Dichloroethene | 1.704 | 1.532 | 10.1 | 76 | 0.00 |
| 29 TMP | Hexane | 2.070 | 1.755 | 15.2 | 68 | 0.00 |
| 30 TMP | Chloroform | 4.005 | 4.327 | -8.0 | 91 | 0.00 |
| 31 TMP | Ethyl acetate | 3.933 | 4.345 | -10.5 | 91 | 0.00 |
| 32 TMP | Tetrahydrofuran | 1.847 | 1.719 | 6.9 | 77 | 0.00 |
| 33 TMP | 2-Butanone (MEK) | 0.606 | 0.583 | 3.8 | 81 | 0.00 |
| 34 TMP | 1,2-Dichloroethane (EDC) | 2.566 | 2.861 | -11.5 | 94 | 0.00 |
| 35 TMP | 1,1,1-Trichloroethane | 3.477 | 3.864 | -11.1 | 90 | 0.00 |
| 36 TMP | Carbon tetrachloride | 3.536 | 3.973 | -12.4 | 91 | 0.00 |
| 37 TMP | Benzene | 5.466 | 4.912 | 10.1 | 78 | 0.00 |
| 38 TMP | Cyclohexane | 1.355 | 1.052 | 22.4 | 62 | -0.02 |
| 39 I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 40 TMP | 1,2-Dichloropropane | 0.601 | 0.729 | -21.3 | 90 | 0.00 |
| 41 TMP | 1,4-Dioxane | 0.265 | 0.229 | 13.6 | 65 | 0.00 |
| 42 TMP | 2,2,4-Trimethylpentane | 1.808 | 1.790 | 1.0 | 71 | 0.00 |
| 43 TMP | Methyl methacrylate | 0.552 | 0.632 | -14.5 | 84 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 2:44 pm
 Operator : bat
 Sample : 03-1454 lcs/ 2.5 ppbv 96-62a
 Misc : Cal line
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:05:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------------------------------|-------|-------|-------|-------|----------|
| 44 TMP Heptane | 0.623 | 0.647 | -3.9 | 77 | 0.00 |
| 45 TMP Bromodichloromethane | 0.974 | 1.222 | -25.5 | 91 | 0.00 |
| 46 TMP Trichloroethene | 0.615 | 0.684 | -11.2 | 82 | 0.00 |
| 47 TMP cis-1,3-Dichloropropene | 0.689 | 0.755 | -9.6 | 79 | 0.00 |
| 48 TMP 4-Methyl-2-pentanone | 0.047 | 0.033 | 29.8 | 54# | 0.00 |
| 49 TMP trans-1,3-Dichloropropene | 0.695 | 0.717 | -3.2 | 78 | 0.00 |
| 50 TMP Toluene | 0.792 | 0.753 | 4.9 | 76 | 0.00 |
| 51 TMP 1,1,2-Trichloroethane | 0.573 | 0.653 | -14.0 | 87 | 0.00 |
| 52 TMP 2-Hexanone | 0.952 | 0.968 | -1.7 | 78 | 0.00 |
| 53 TMP Tetrachloroethene | 0.486 | 0.537 | -10.5 | 77 | 0.00 |
| 54 TMP Dibromochloromethane | 0.944 | 1.119 | -18.5 | 88 | 0.00 |
| 55 TMP 1,2-Dibromoethane (EDB) | 0.933 | 1.006 | -7.8 | 82 | 0.00 |
| 56 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 57 TMP Chlorobenzene | 1.070 | 1.083 | -1.2 | 75 | 0.02 |
| 58 TMP Ethylbenzene | 1.738 | 1.433 | 17.5 | 66 | 0.00 |
| 59 TMP 1,1,2,2-Tetrachloroethane | 1.531 | 1.696 | -10.8 | 87 | 0.00 |
| 60 TMP Nonane | 0.750 | 0.739 | 1.5 | 75 | 0.00 |
| 61 TMP Isopropylbenzene | 1.497 | 1.374 | 8.2 | 71 | 0.00 |
| 62 TMP 2-Chlorotoluene | 0.401 | 0.363 | 9.5 | 70 | 0.00 |
| 63 TMP Propylbenzene | 3.019 | 2.785 | 7.8 | 71 | 0.00 |
| 64 TMP 4-Ethyltoluene | 1.468 | 1.233 | 16.0 | 66 | 0.00 |
| 65 TMP m,p-Xylene | 0.620 | 0.487 | 21.5 | 65 | 0.00 |
| 66 TMP o-Xylene | 0.527 | 0.457 | 13.3 | 68 | 0.00 |
| 67 TMP Styrene | 0.767 | 0.652 | 15.0 | 65 | 0.00 |
| 68 TMP Bromoform | 0.940 | 1.133 | -20.5 | 96 | 0.00 |
| 69 S 4-Bromofluorobenzene | 0.709 | 0.715 | -0.8 | 85 | 0.00 |
| 70 TMP Benzyl chloride | 1.353 | 1.391 | -2.8 | 79 | 0.00 |
| 71 TMP 1,3,5-Trimethylbenzene | 1.325 | 1.161 | 12.4 | 68 | 0.00 |
| 72 TMP 1,2,4-Trimethylbenzene | 1.171 | 0.953 | 18.6 | 62 | 0.00 |
| 73 TMP 1,3-Dichlorobenzene | 1.053 | 1.067 | -1.3 | 78 | 0.00 |
| 74 TMP 1,4-Dichlorobenzene | 0.988 | 0.950 | 3.8 | 75 | 0.00 |
| 75 TMP 1,2-Dichlorobenzene | 1.017 | 0.992 | 2.5 | 75 | 0.00 |
| 76 TMP 1,2,4-Trichlorobenzene | 0.798 | 0.627 | 21.4 | 65 | 0.00 |
| 77 TMP Naphthalene | 1.229 | 0.806 | 34.4# | 55# | 0.00 |
| 78 TMP Hexachlorobutadiene | 1.103 | 1.109 | -0.5 | 78 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 7:59 pm
 Operator : bat
 Sample : 03-1454 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

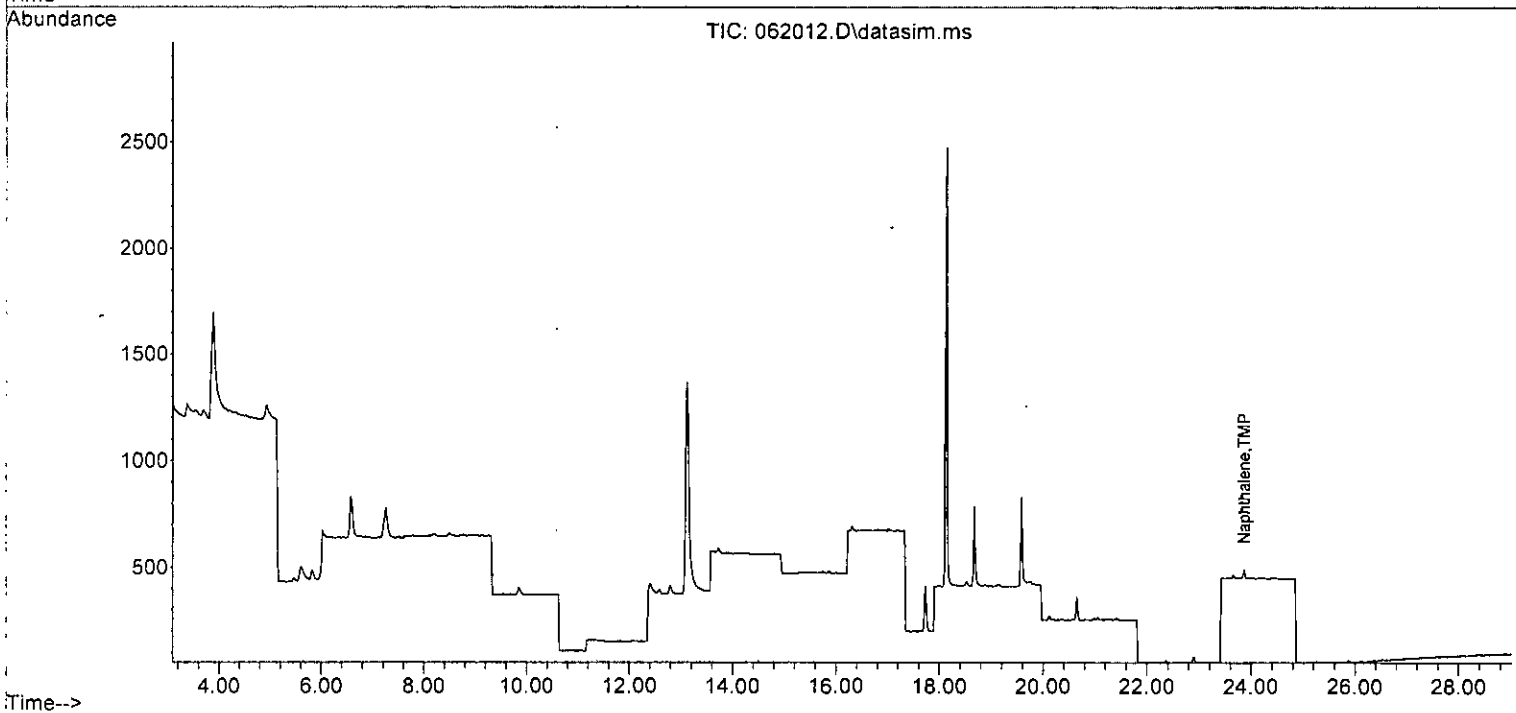
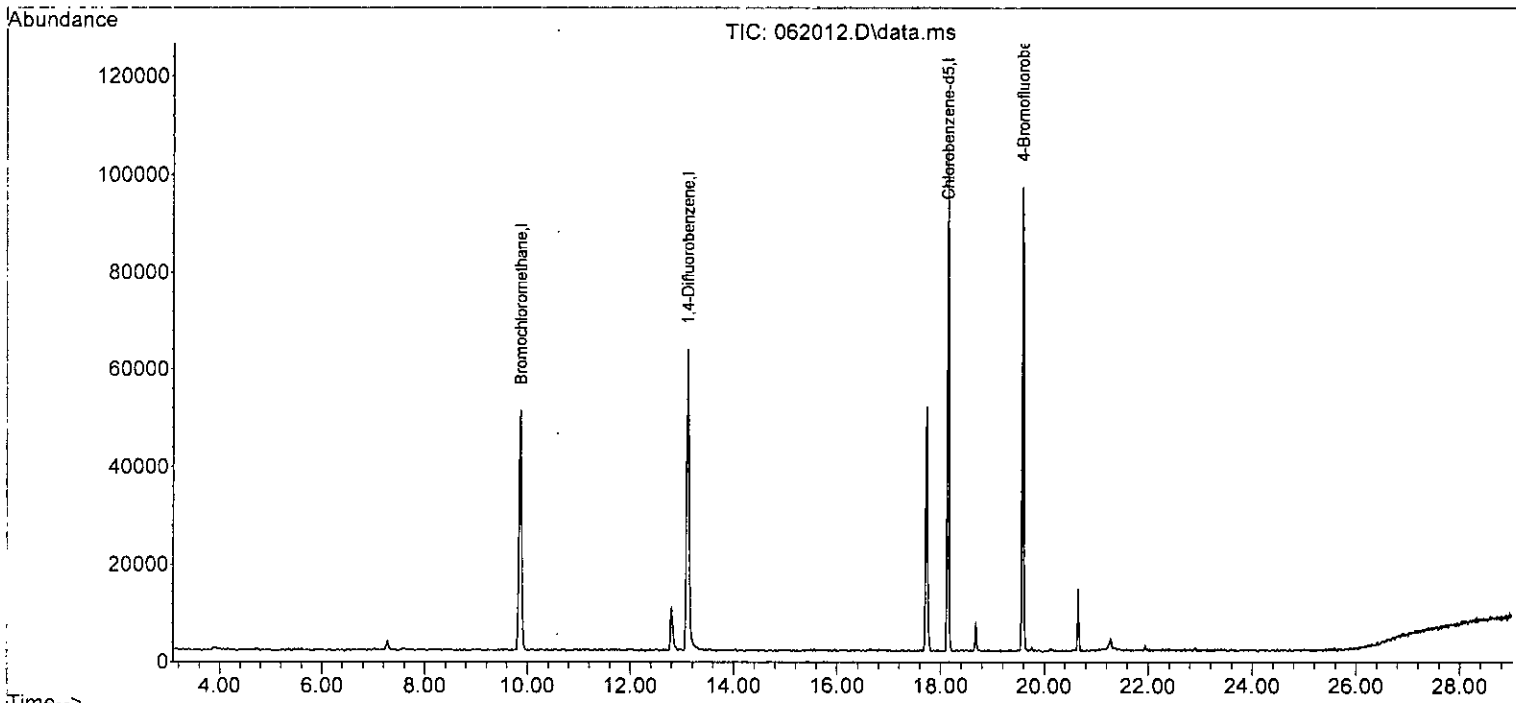
Quant Time: Jun 21 07:06:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

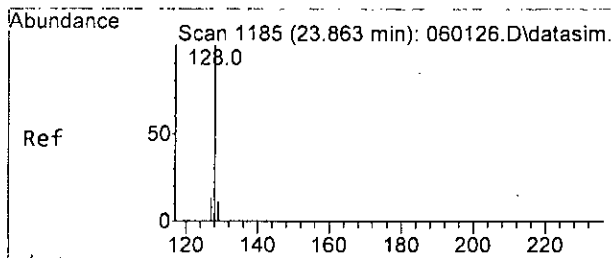
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20158 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71634 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65996 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43280 | 9.252 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 92.50% |
| Target Compounds | | | | | | |
| 77] Naphthalene | 23.86 | 128 | 80 | 0.010 | ppbv | Qvalue 97 |
| ----- | | | | | | |

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

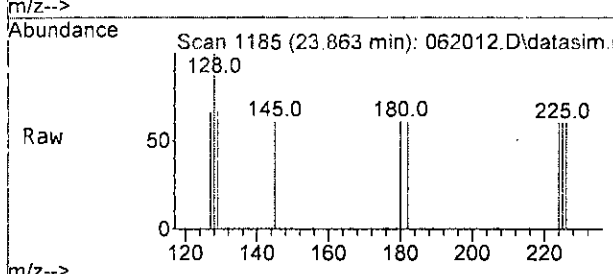
Data Path : V:\Proc_GCMS7\06-20-23\
Data File : 062012.D
Acq On : 20 Jun 2023 7:59 pm
Operator : bat
Sample : 03-1454 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jun 21 07:06:28 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



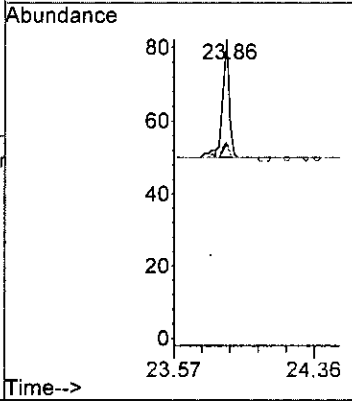
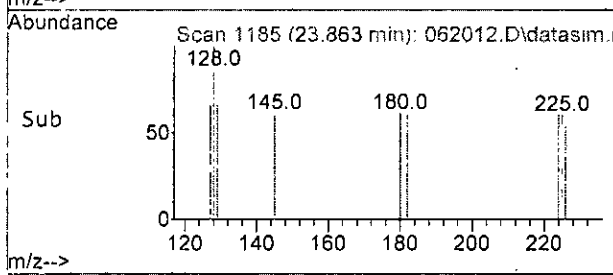


#77
 Naphthalene
 Concen: 0.010 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062012.D
 Acq: 20 Jun 2023 7:59 pm



Tgt Ion: 128 Resp: 80

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 12.5 | 0.0 | 41.0 |
| 127 | 12.5 | 0.0 | 43.2 |



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 7:59 pm
 Operator : bat
 Sample : 03-1454 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:06:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20158 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71634 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65996 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 43280 | 9.252 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 92.50% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|--------|--------|
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | |
| 4) Chloromethane | 3.69 | 50 | 112 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 0.00 | | 0 | | N.D. d | |
| 12) Ethanol | 0.00 | | 0 | | N.D. | |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 0.00 | | 0 | | N.D. | |
| 17) 2-Propanol | 0.00 | | 0 | | N.D. | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 20) Methylene chloride | 0.00 | | 0 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 0.00 | | 0 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 0.00 | | 0 | | N.D. | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30) Chloroform | 0.00 | | 0 | | N.D. | |
| 31) Ethyl acetate | 0.00 | | 0 | | N.D. | |
| 32) Tetrahydrofuran | 0.00 | | 0 | | N.D. | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. d | |
| 35) 1,1,1-Trichloroethane | 11.53 | 97 | 135 | | N.D. | |
| 36) Carbon tetrachloride | 0.00 | | 0 | | N.D. | |
| 37) Benzene | 12.36 | 78 | 189 | | N.D. | |
| 38) Cyclohexane | 13.11 | 84 | 439 | | N.D. | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 7:59 pm
 Operator : bat
 Sample : 03-1454 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

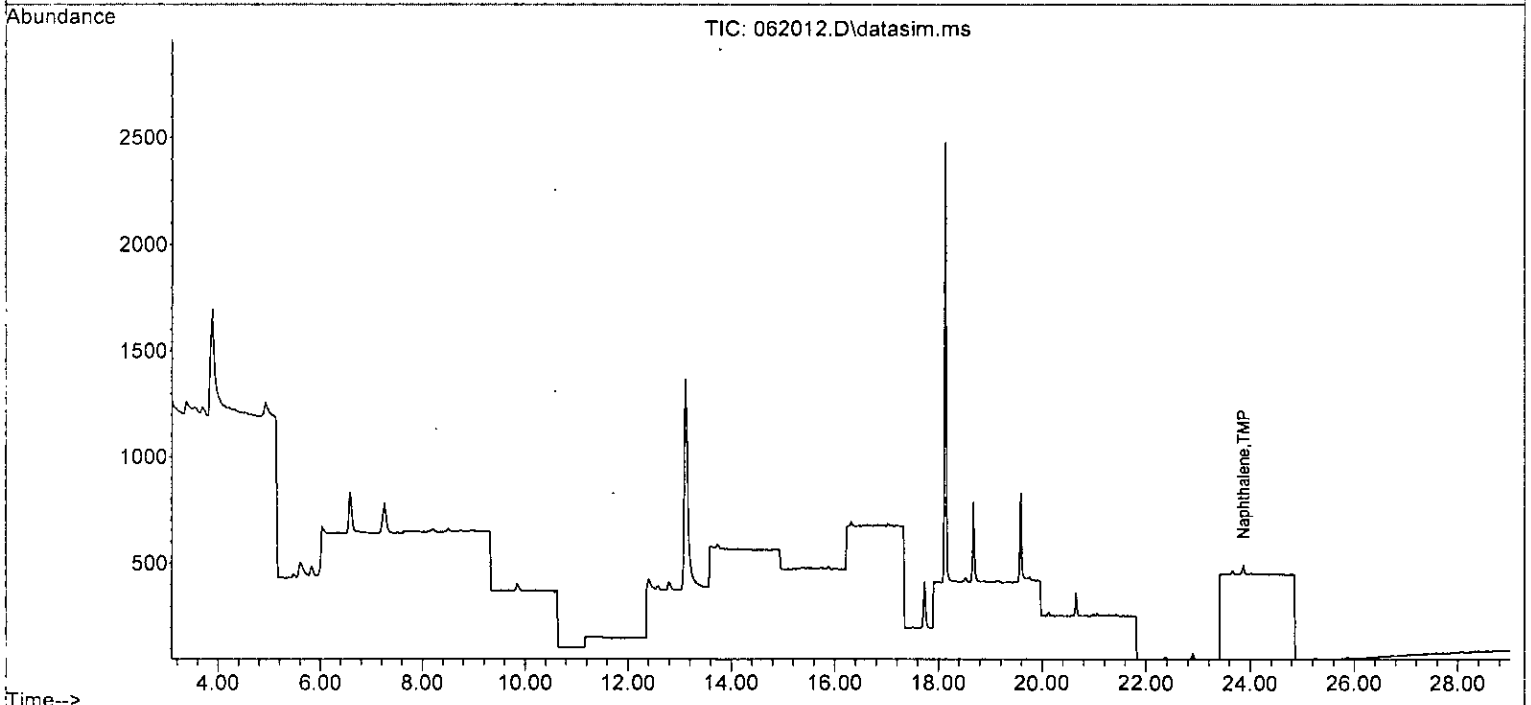
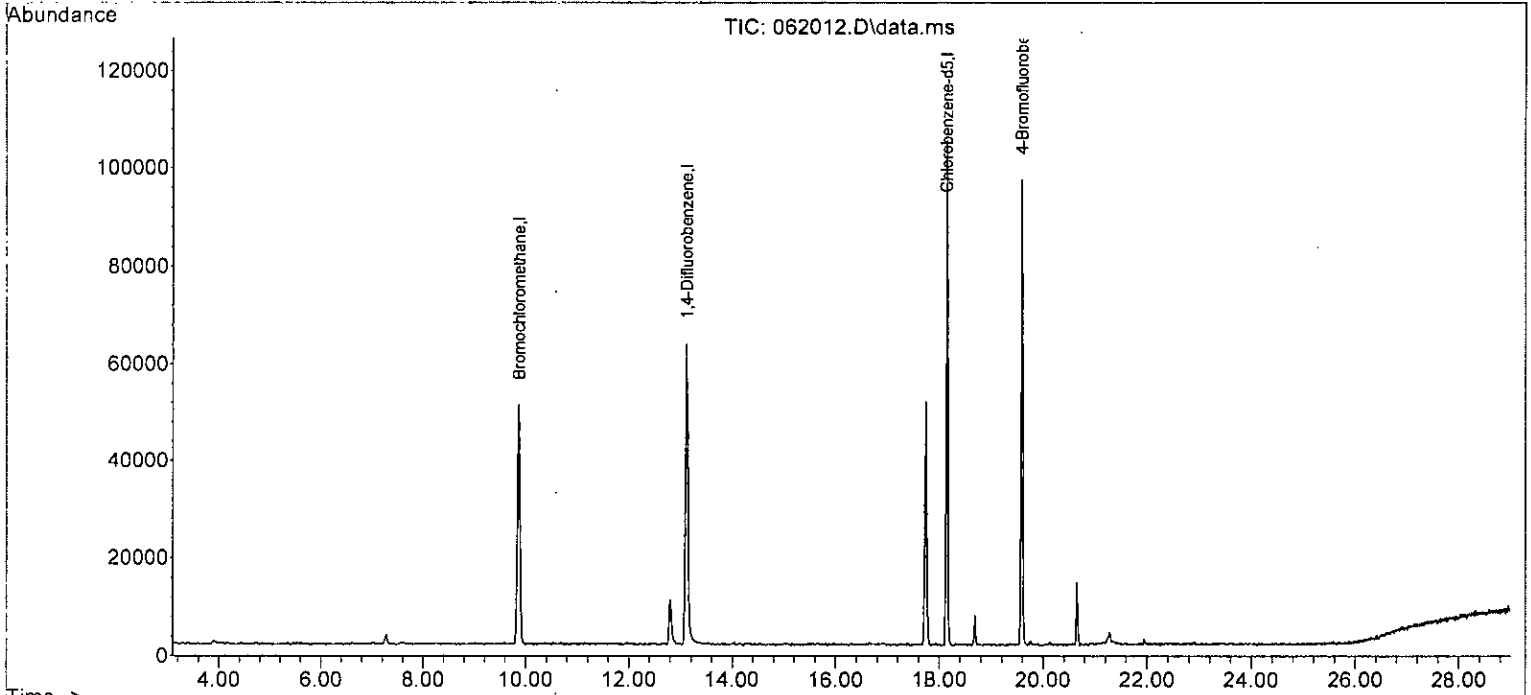
Quant Time: Jun 21 07:06:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 0.00 | | 0 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 1214 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 0.00 | | 0 | | N.D. | |
| 53) Tetrachloroethene | 17.35 | 164 | 181 | | N.D. | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 46 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 60) Nonane | 0.00 | | 0 | | N.D. | |
| 61) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 0.00 | | 0 | | N.D. | |
| 64) 4-Ethyltoluene | 0.00 | | 0 | | N.D. | |
| 65) m,p-Xylene | 18.68 | 106 | 59 | | N.D. | |
| 66) o-Xylene | 0.00 | | 0 | | N.D. | |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. | |
| 71) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 80 | 0.010 | ppbv | 97 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 7:59 pm
 Operator : bat
 Sample : 03-1454 MB
 Misc : T1
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS7

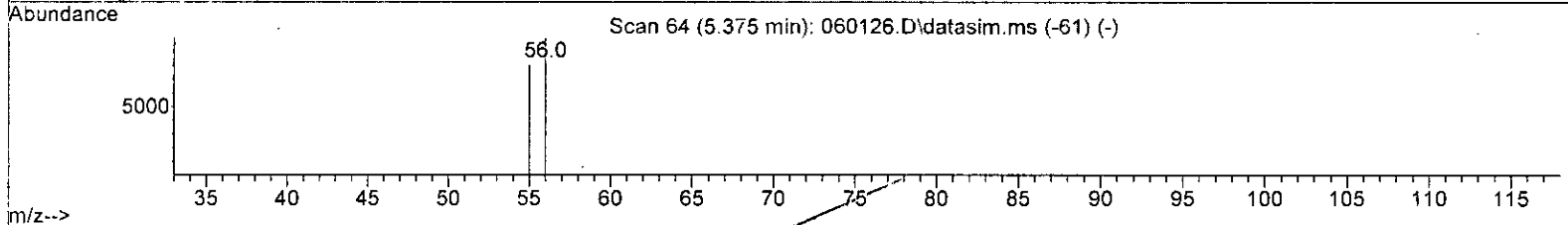
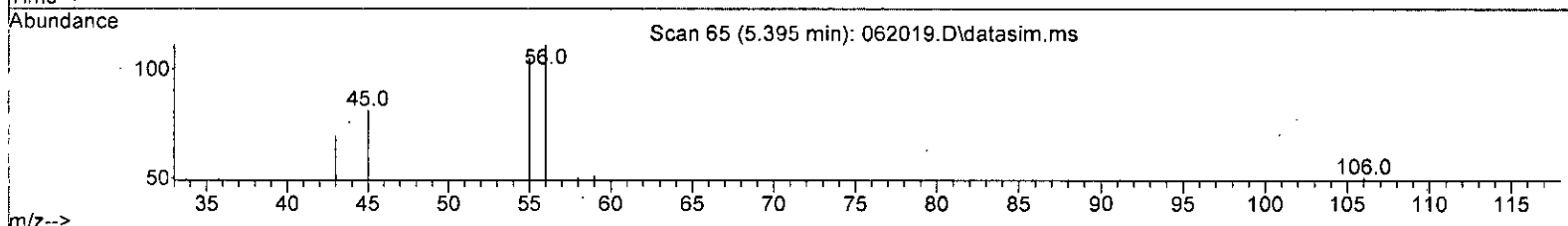
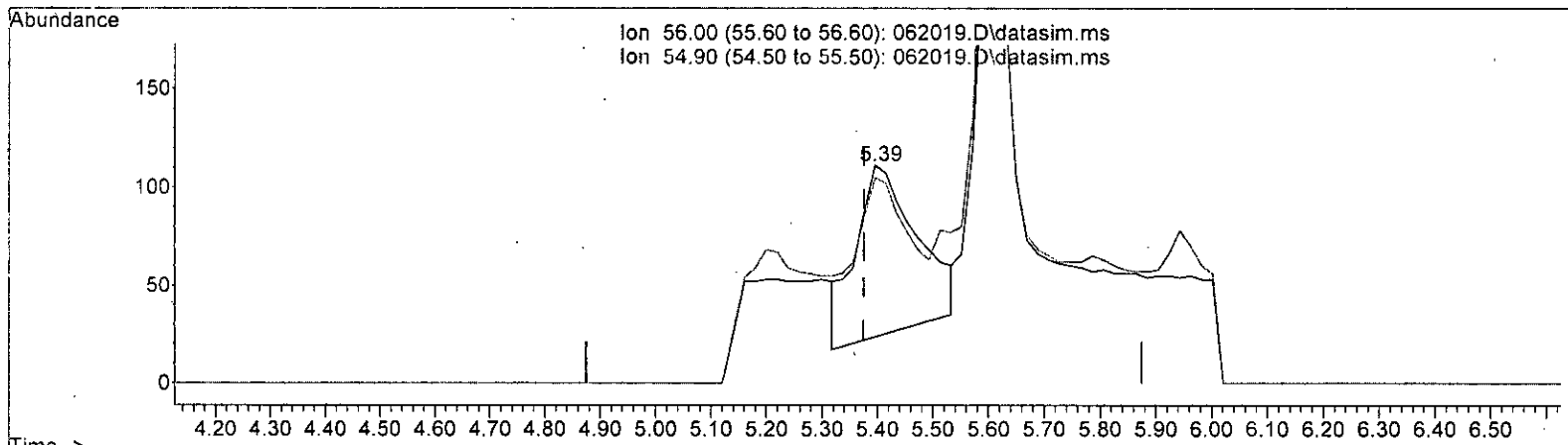
Quant Time: Jun 21 07:06:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

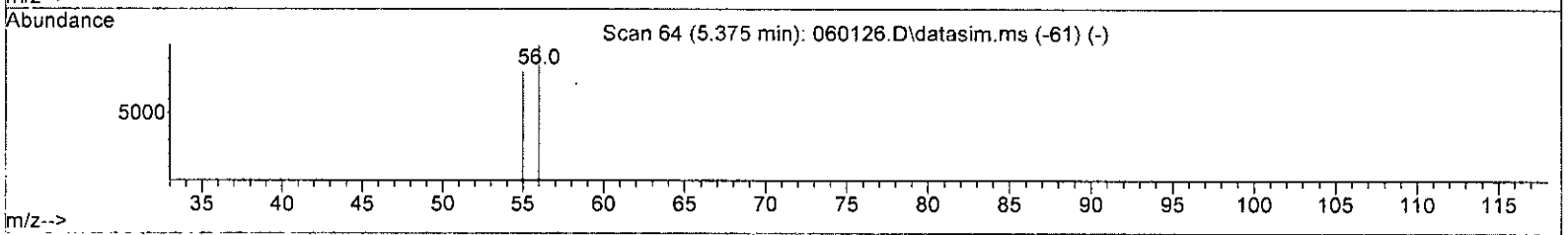
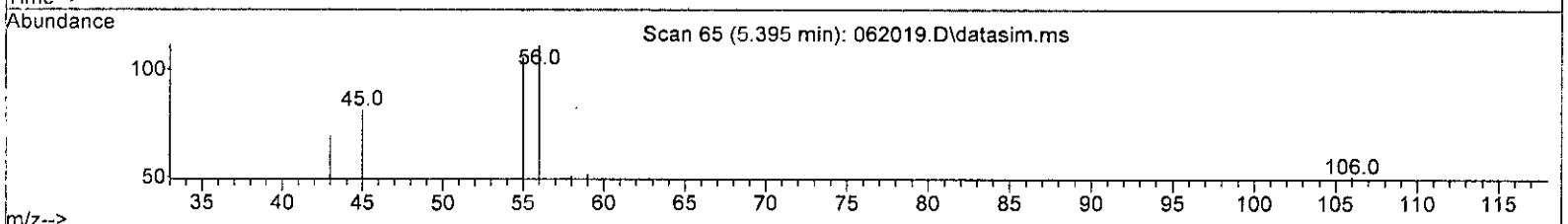
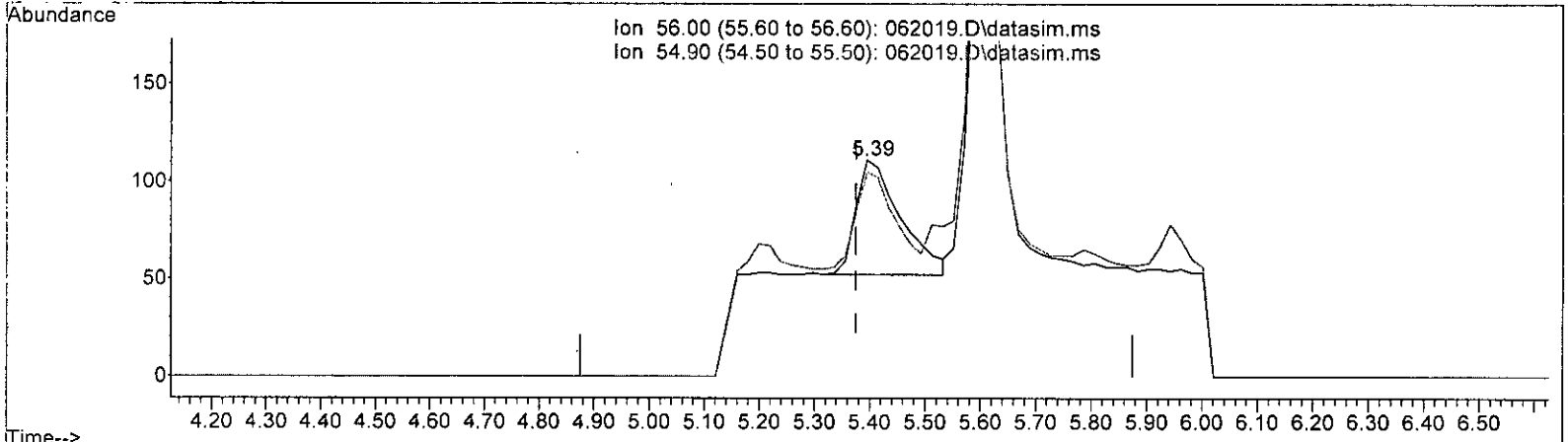
| (13) Acrolein (TMP) | | | |
|-------------------------------|--------|--------|--|
| 5.395min (+ 0.020) 0.527 ppbv | | | |
| response | 669 | | |
| Ion | Exp% | Act% | |
| 56.00 | 100.00 | 100.00 | |
| 54.90 | 81.00 | 79.22 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062019.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.262 ppbv m

response 333

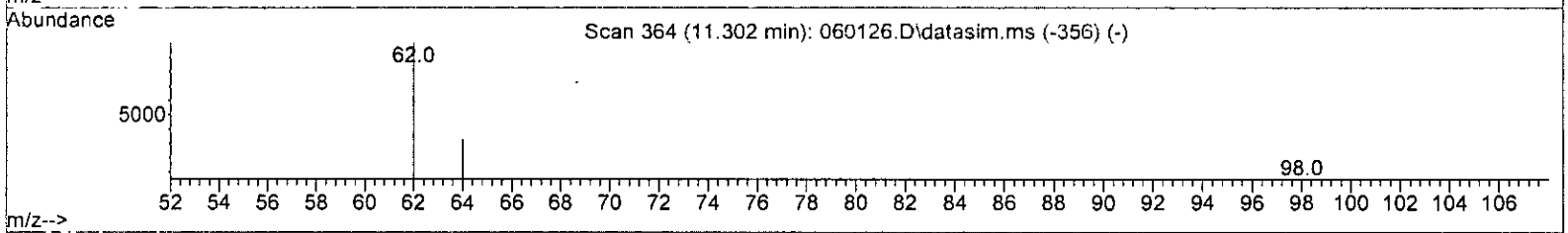
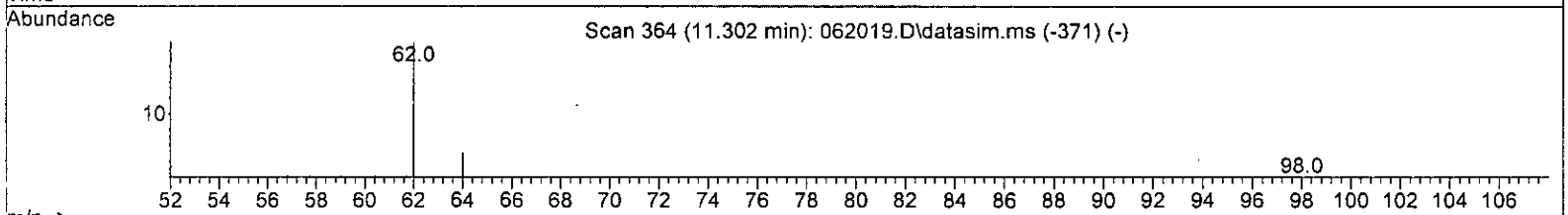
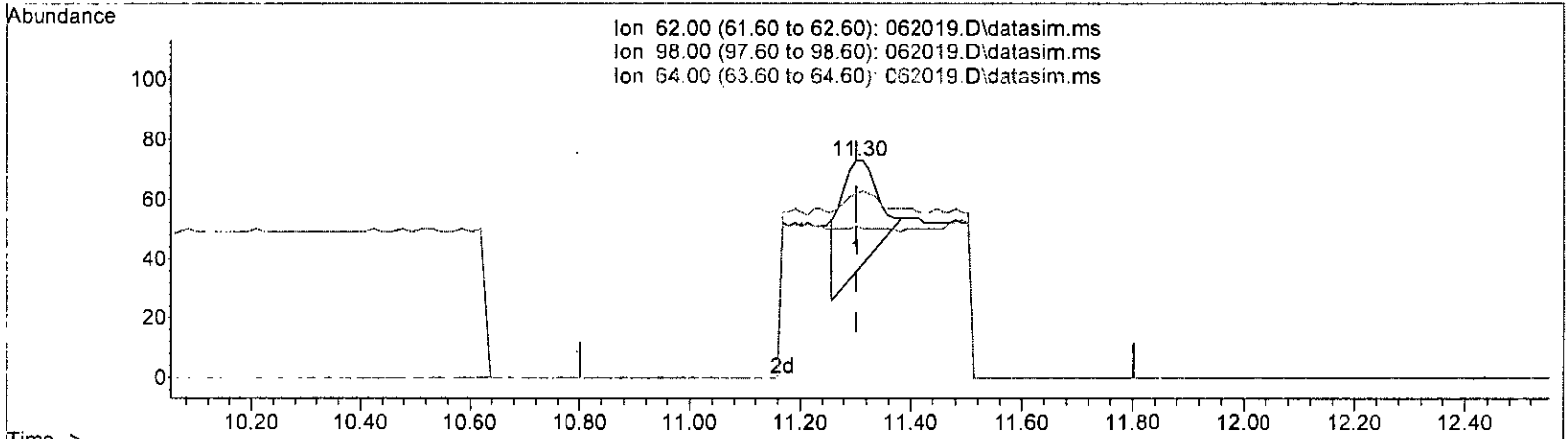
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 159.16# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.035 ppbv

response 172

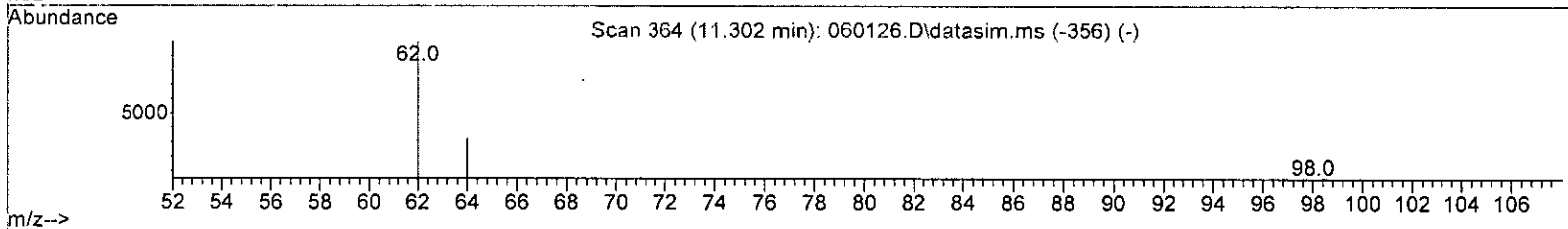
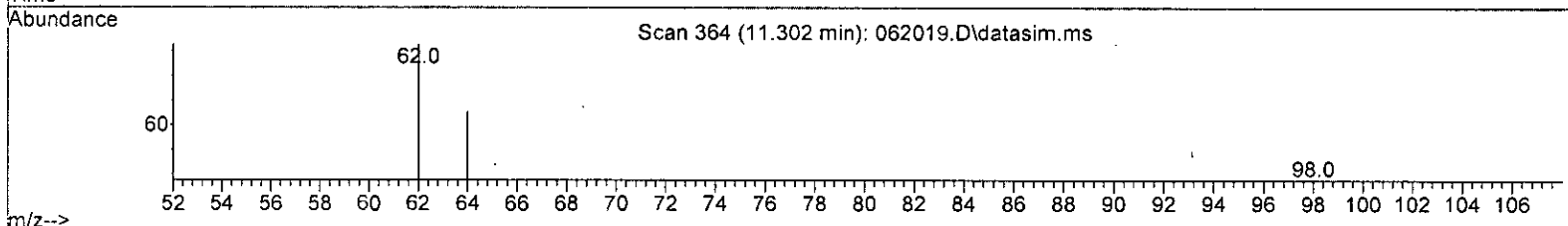
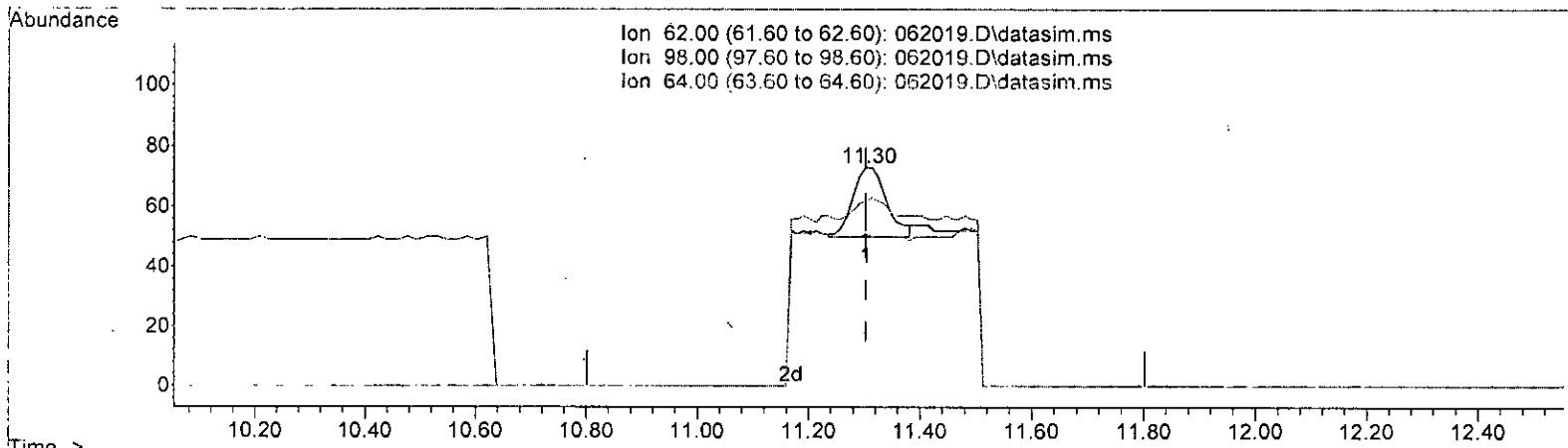
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 10.00 |
| 64.00 | 33.00 | 30.00 |
| 0.00 | 0.00 | 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.020 ppbv m

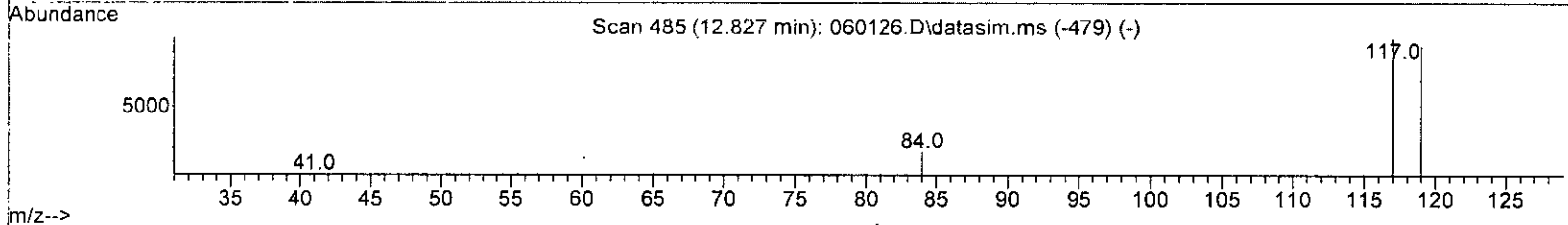
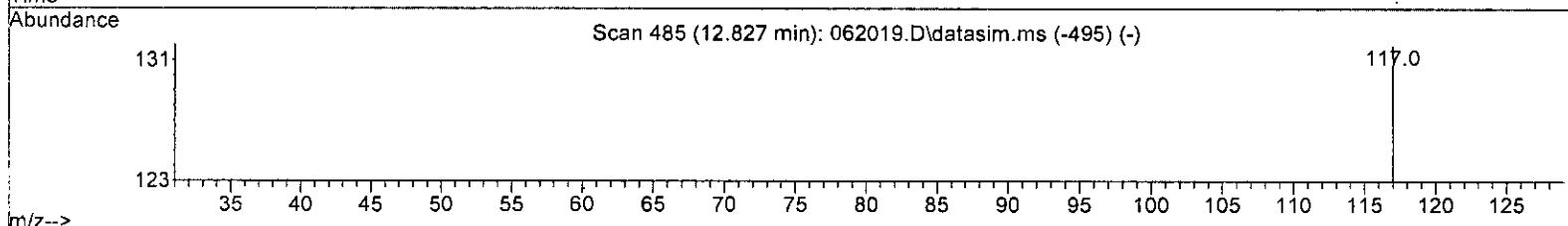
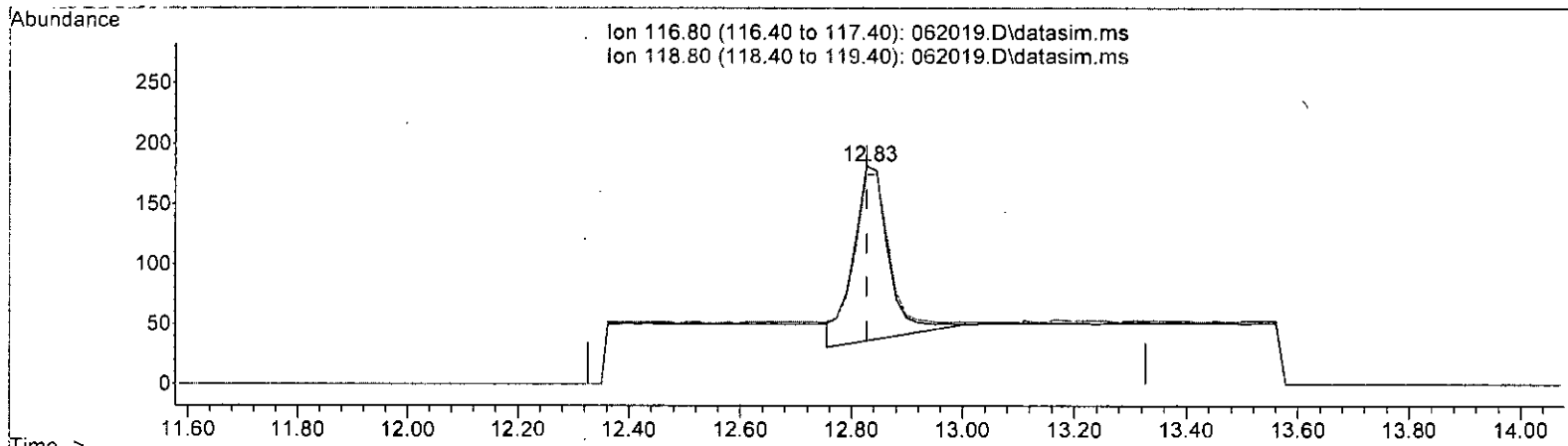
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 69.86# |
| 64.00 | 33.00 | 84.93# |
| 0.00 | 0.00 | 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(36) Carbon tetrachloride (TMP)
 12.827min (-0.000) 0.095 ppbv
 response 641

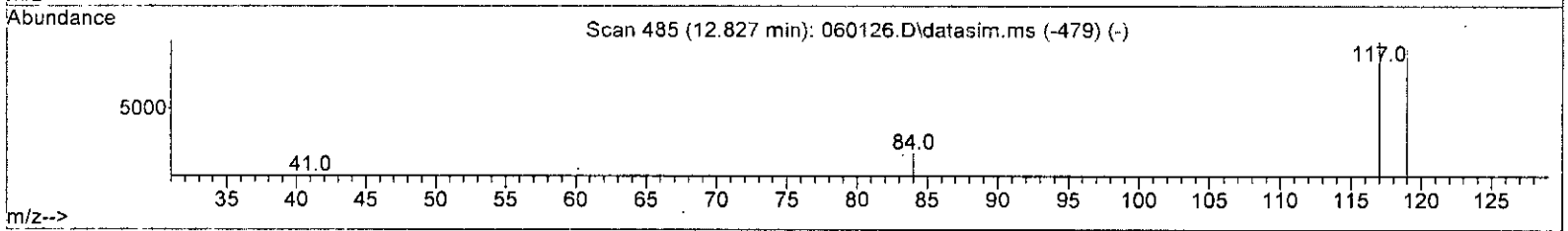
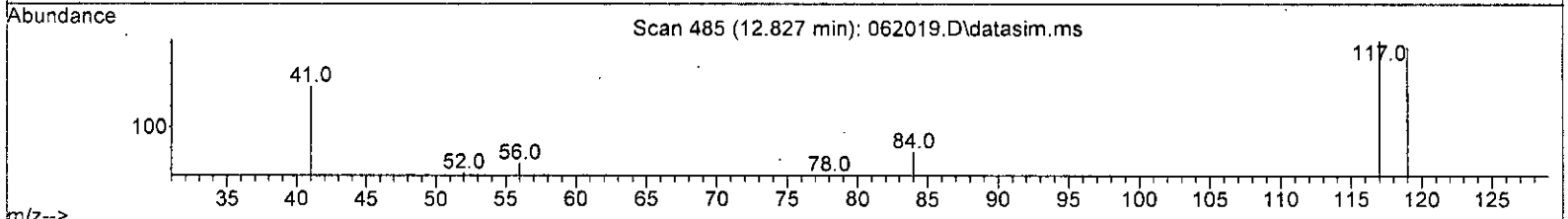
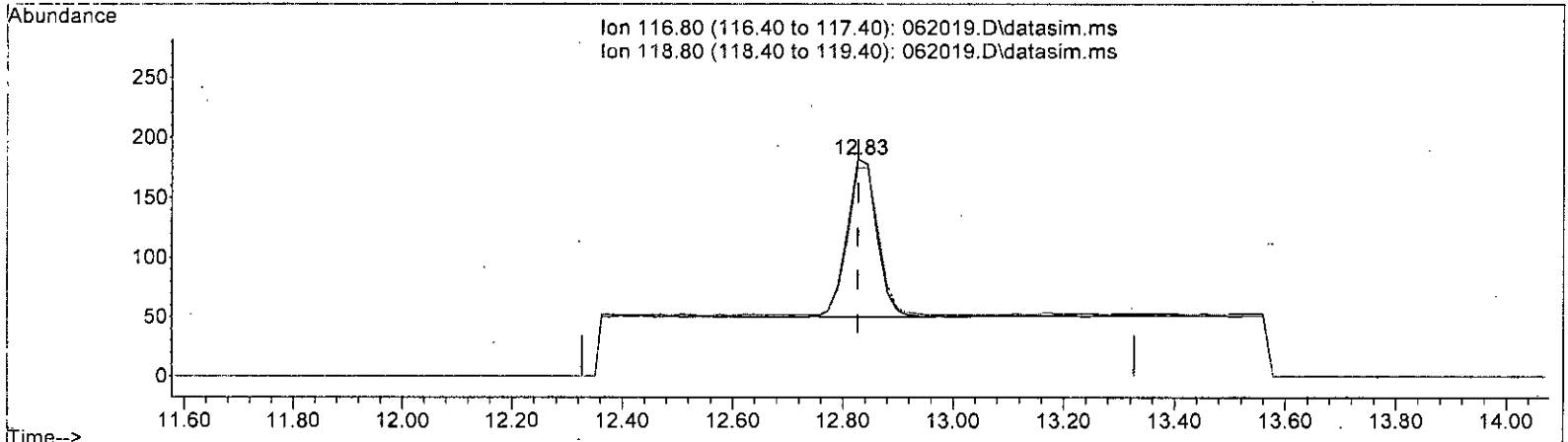
| Ion | Exp% | Act% |
|--------|--------|--------|
| 116.80 | 100.00 | 100.00 |
| 118.80 | 94.60 | 93.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(36) Carbon tetrachloride (TMP)

12.827min (-0.000) 0.074 ppbv m

response 498

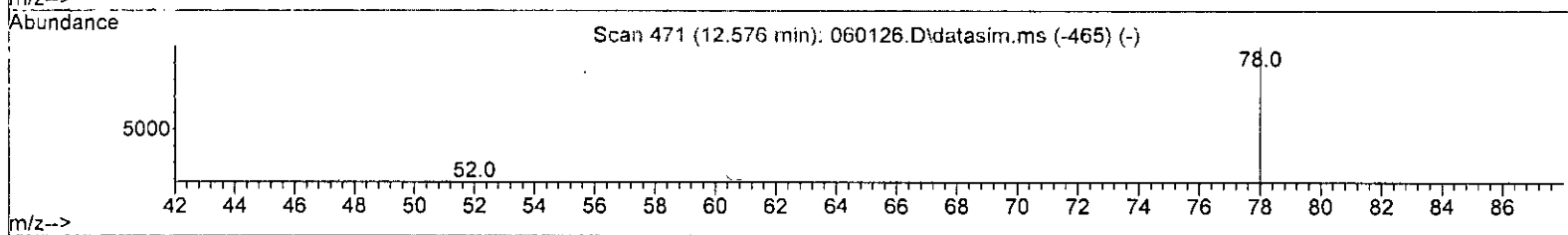
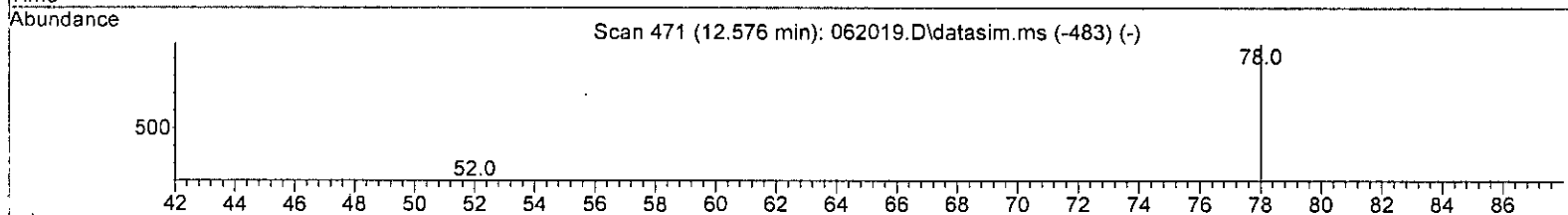
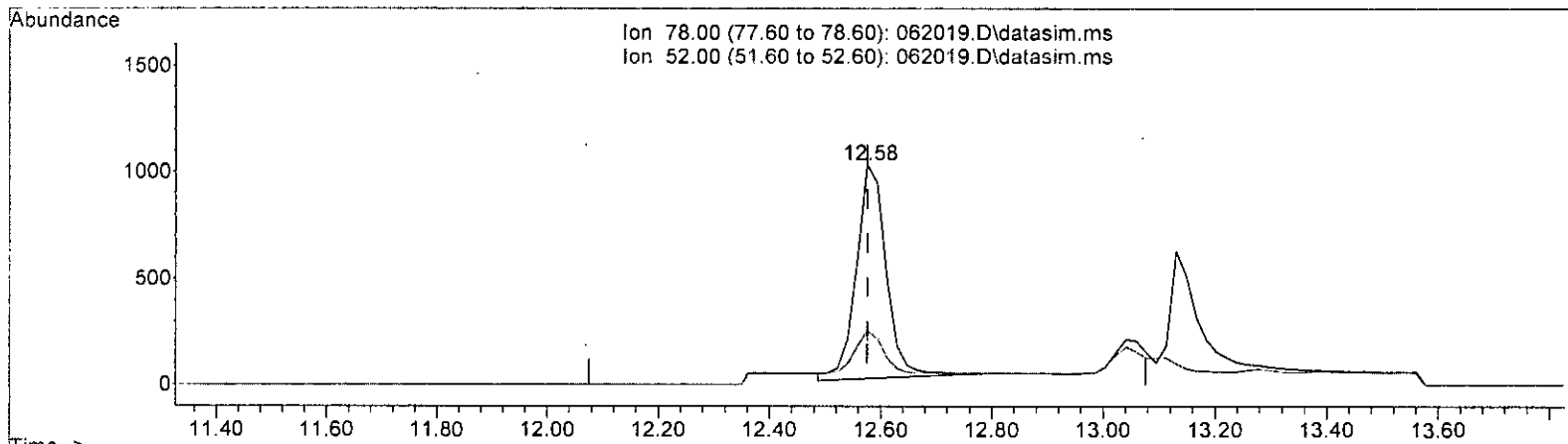
| Ion | Exp% | Act% |
|--------|--------|--------|
| 116.80 | 100.00 | 100.00 |
| 118.80 | 94.60 | 96.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

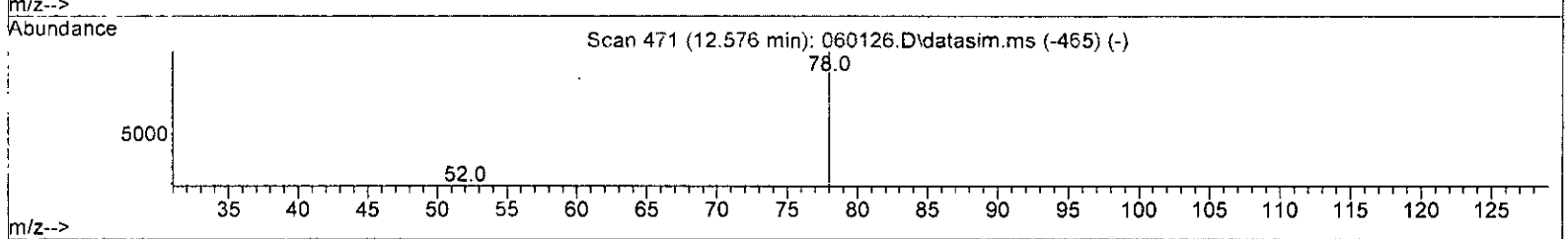
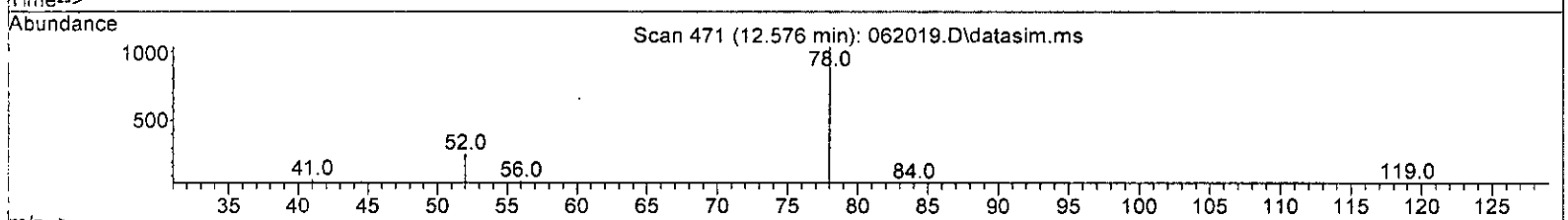
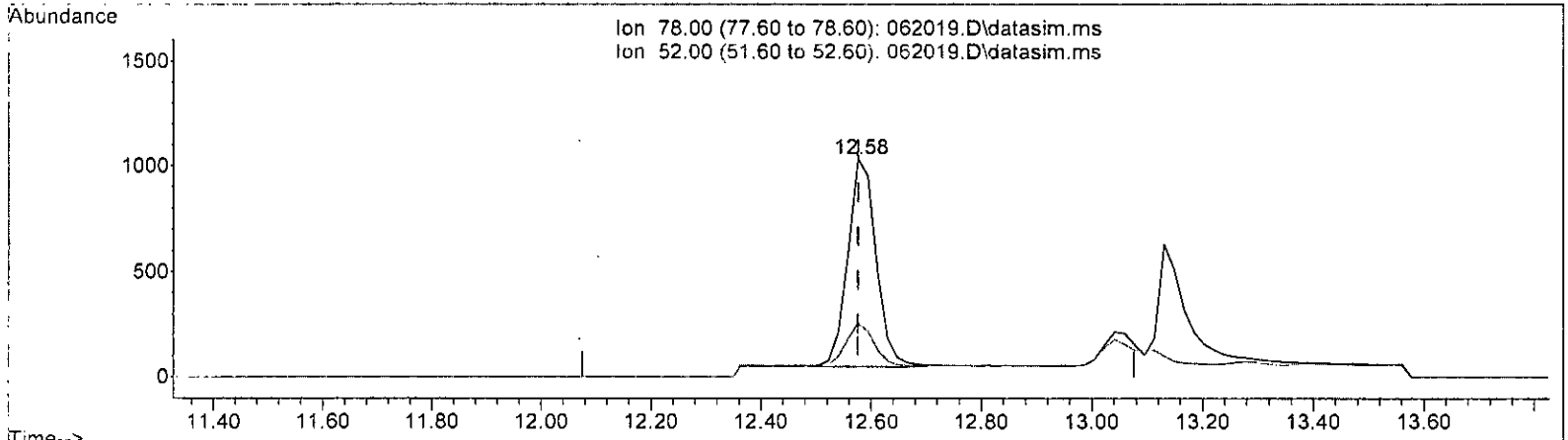
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|--|
| 12.576min (+ 0.000) | 0.364 | ppbv | |
| response | 3803 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 20.43 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

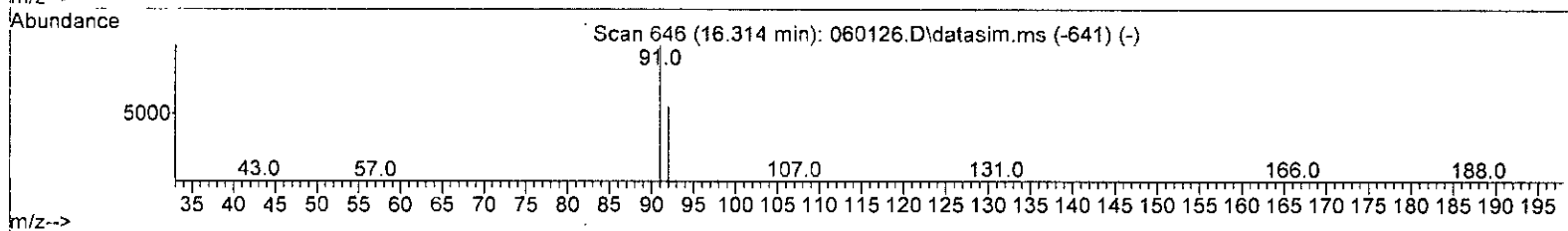
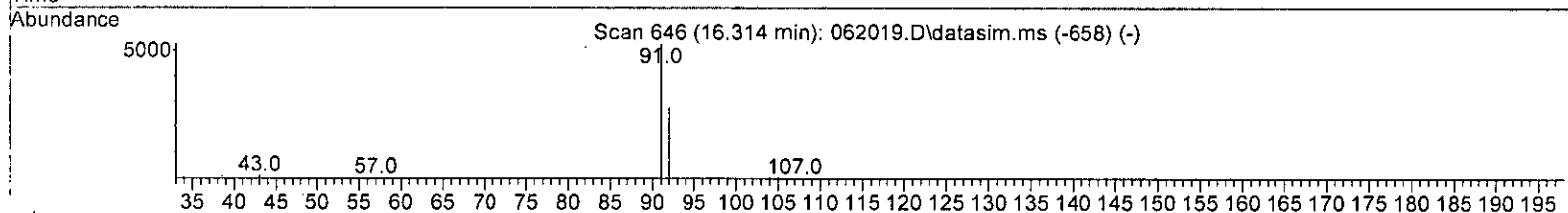
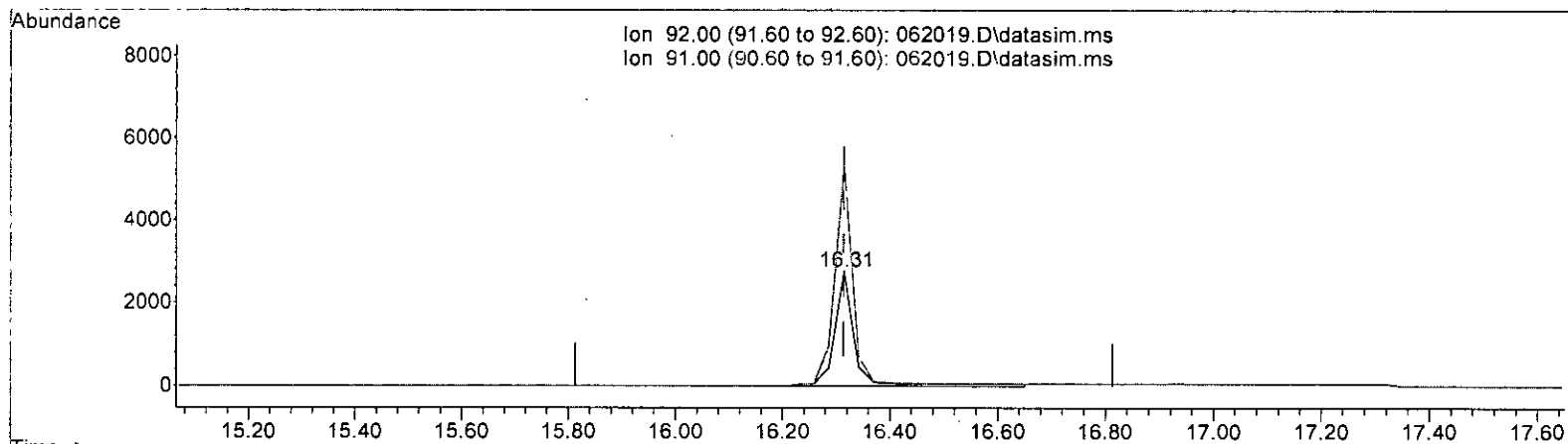
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|---|
| 12.576min (+ 0.000) | 0.338 | ppbv | m |
| response | 3529 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 24.78 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

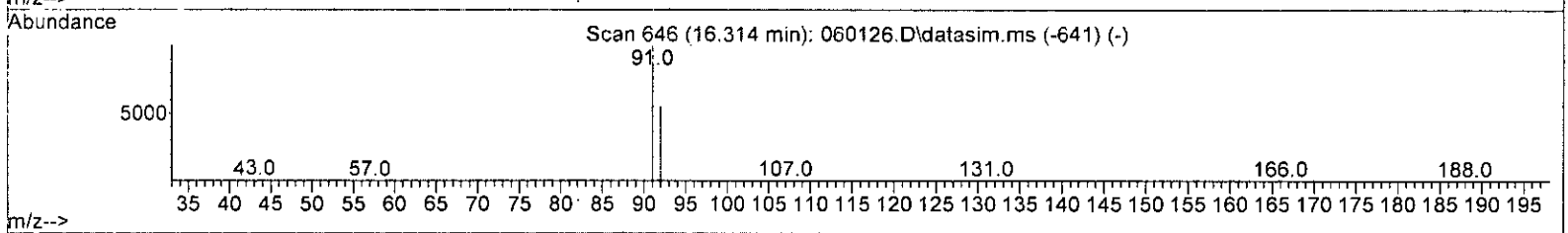
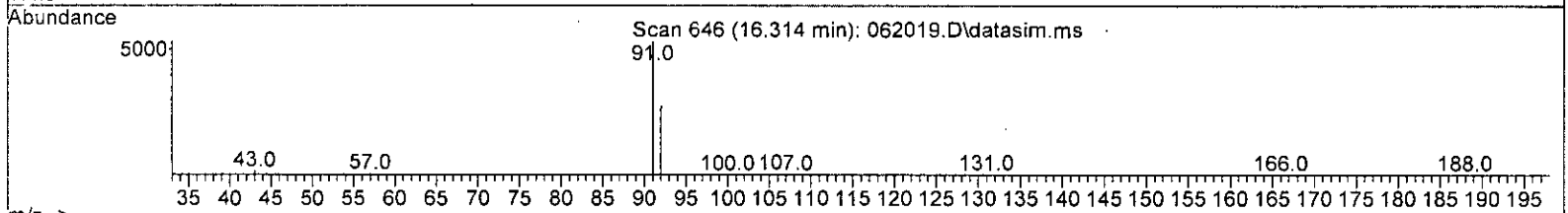
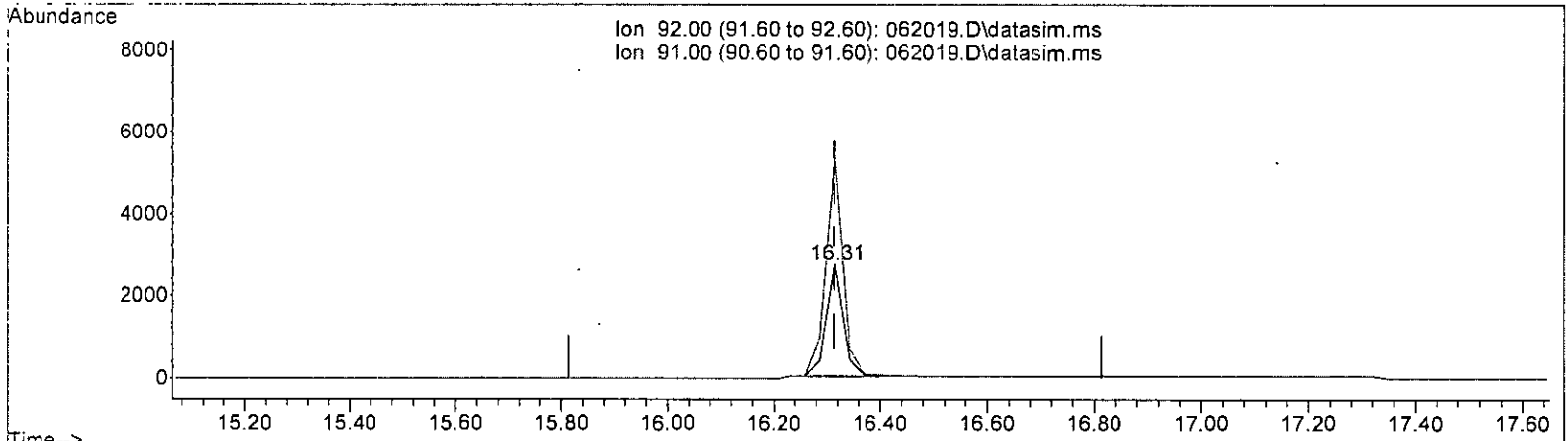
| (50) Toluene (TMP) | | | |
|---------------------|--------|--------|--|
| 16.314min (+ 0.000) | 1.267 | ppbv | |
| response | 7145 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 193.33 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MJD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

| (50) Toluene (TMP) | | |
|---------------------|--------|--------|
| 16.314min (+ 0.000) | 1.047 | ppbv m |
| response | 5904 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 193.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Mh
6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19120 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71183 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64199 | 10.000 | ppbv | 0.00 |

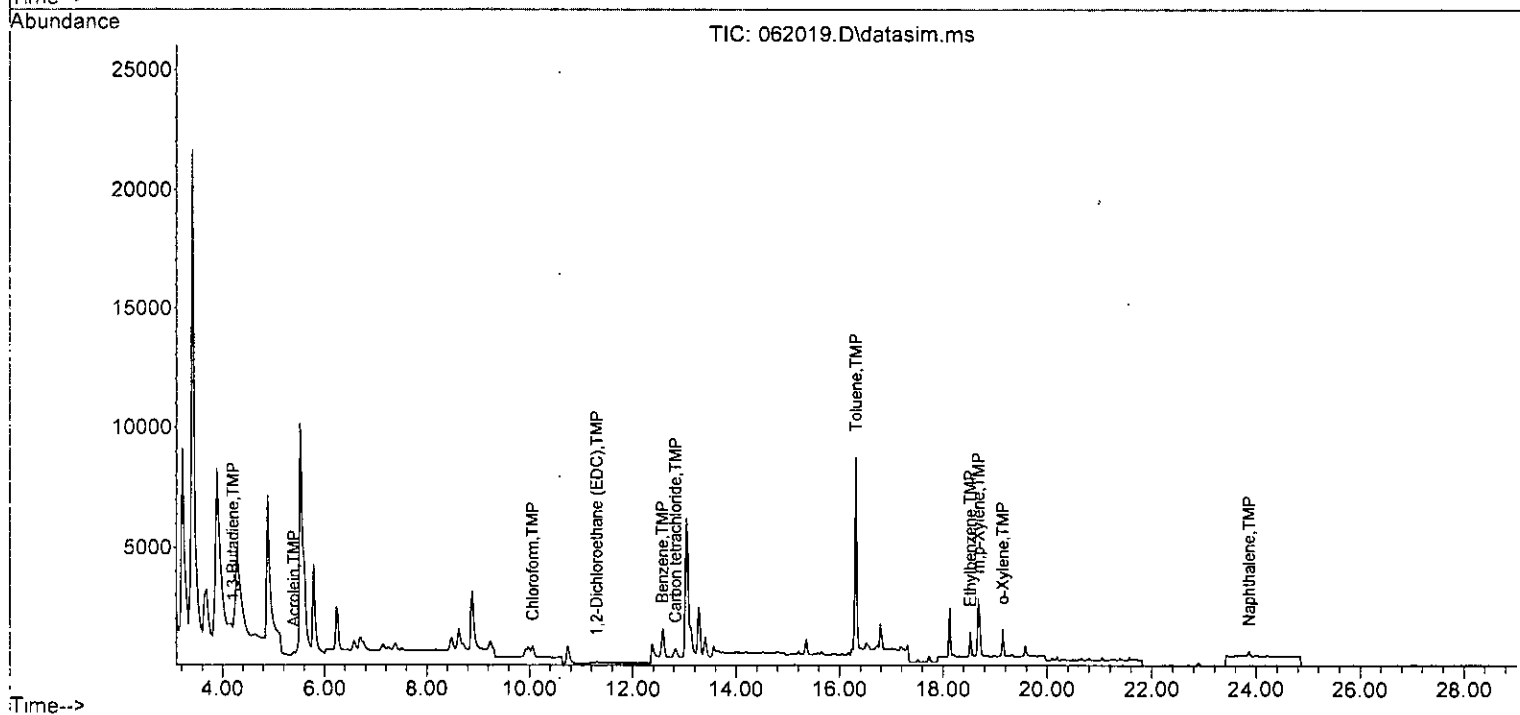
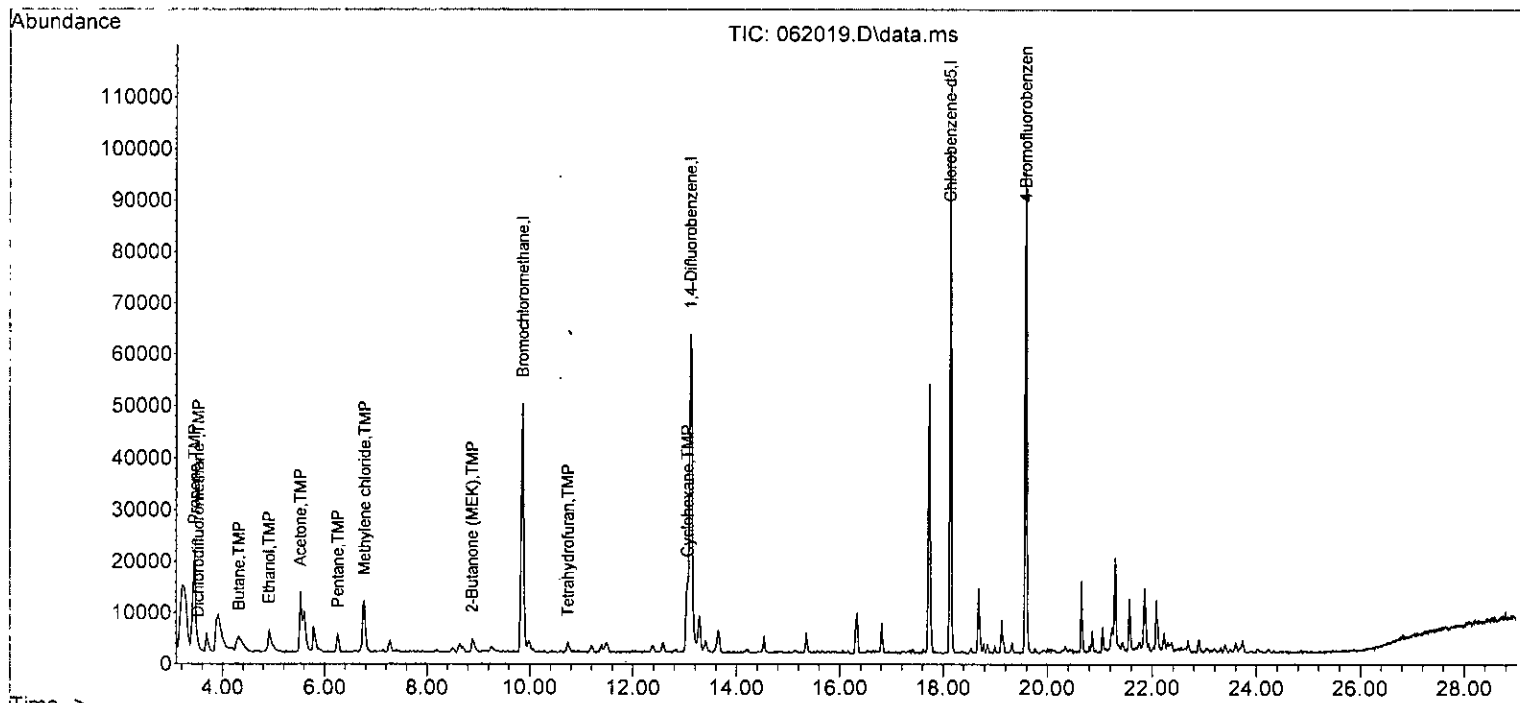
| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41344 | 9.086 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 90.90% |

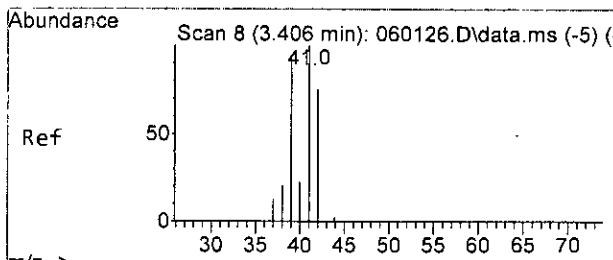
| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|-------|--------|
| 2) Propene | 3.45 | 41 | 12951 | 5.237 | ppbv | # 41 |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 3672 | 0.446 | ppbv | 97 |
| 7] 1,3-Butadiene | 4.21 | 54 | 310 | 0.134 | ppbv | # 1 |
| 8) Butane | 4.32 | 43 | 11965 | 2.563 | ppbv | # 80 |
| 12) Ethanol | 4.92 | 45 | 13223 | 10.865 | ppbv | 88 |
| 13] Acrolein | 5.39 | 56 | 333m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3697 | 0.699 | ppbv | 97 |
| 16) Acetone | 5.53 | 58 | 9001 | 6.828 | ppbv | # 86 |
| 20) Methylene chloride | 6.78 | 84 | 8222 | 2.896 | ppbv | 88 |
| 30] Chloroform | 10.07 | 83 | 962 | 0.126 | ppbv | 99 |
| 32) Tetrahydrofuran | 10.74 | 42 | 2171 | 0.615 | ppbv | 70 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 1050 | 0.906 | ppbv | # 63 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 98m | 0.020 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 498m | 0.074 | ppbv | |
| 37] Benzene | 12.58 | 78 | 3529m | 0.338 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4656 | 1.797 | ppbv | # 77 |
| 50] Toluene | 16.31 | 92 | 5904m | 1.047 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 1515 | 0.136 | ppbv | 100 |
| 65] m,p-Xylene | 18.68 | 106 | 1686 | 0.423 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 553 | 0.164 | ppbv | 90 |
| 77] Naphthalene | 23.86 | 128 | 402 | 0.051 | ppbv | 98 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

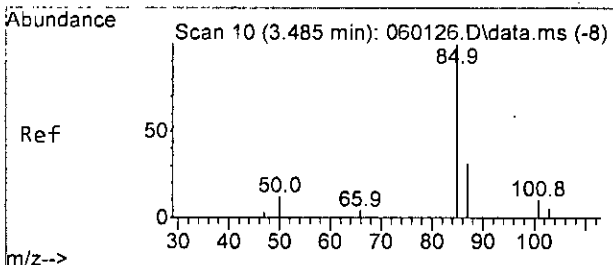
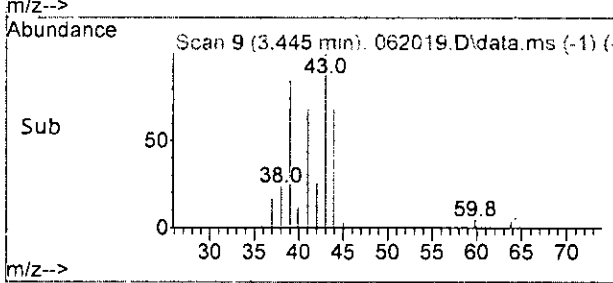
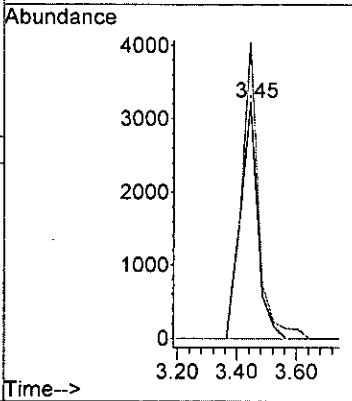
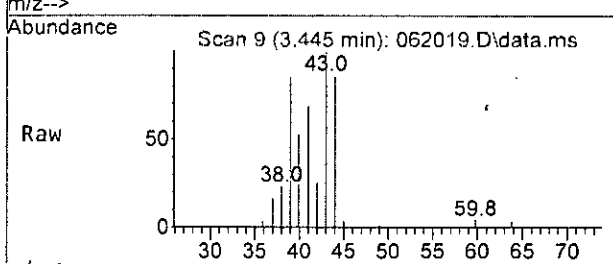
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M





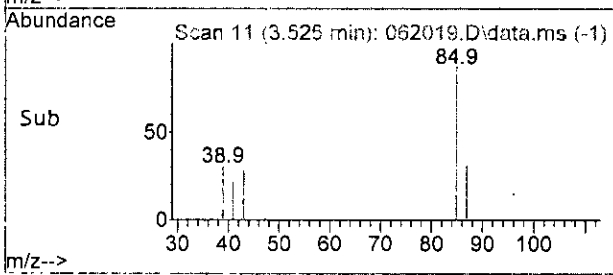
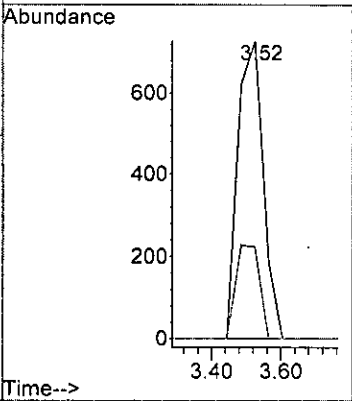
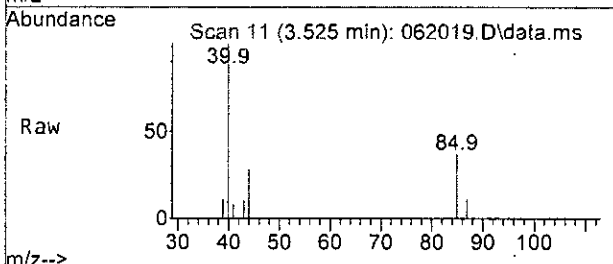
#2
 Propene
 Concen: 5.237 ppbv
 RT: 3.45 min Scan# 9
 Delta R.T. 0.039 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

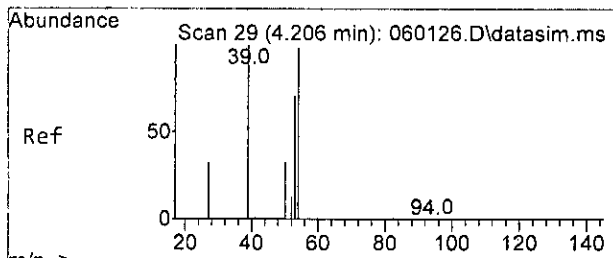
Tgt Ion: 41 Resp: 12951
 Ion Ratio Lower Upper
 41 100
 39 125.7 45.6 105.6#
 27 0.0 0.0 30.0



#3
 Dichlorodifluoromethane
 Concen: 0.446 ppbv
 RT: 3.52 min Scan# 11
 Delta R.T. 0.040 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

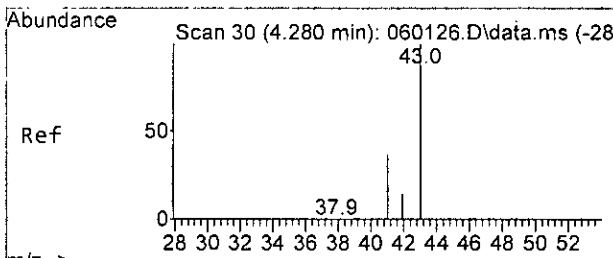
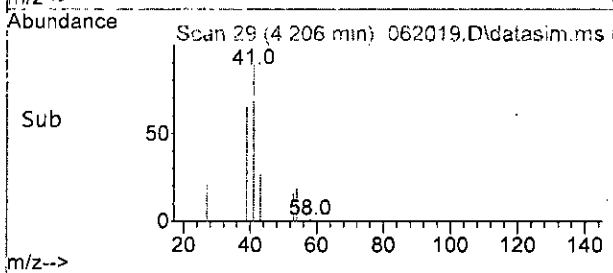
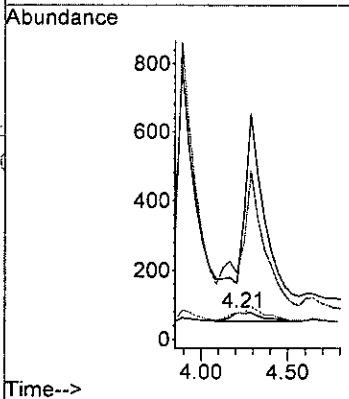
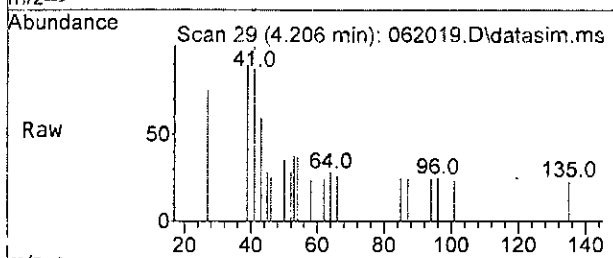
Tgt Ion: 85 Resp: 3672
 Ion Ratio Lower Upper
 85 100
 87 30.6 2.2 62.2





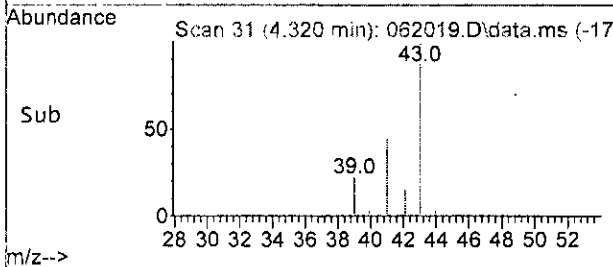
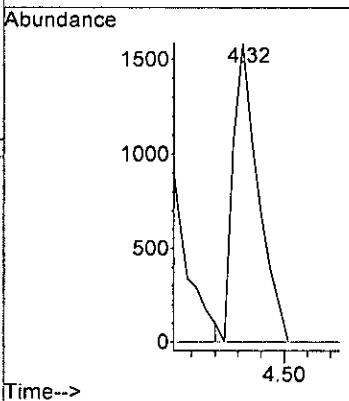
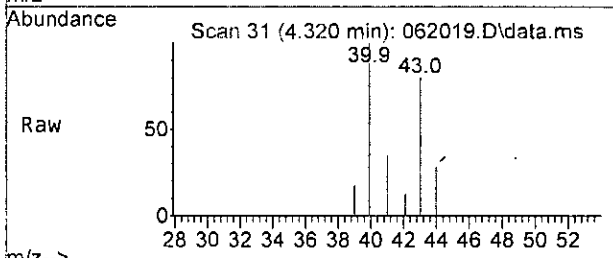
#7
 1,3-Butadiene
 Concen: 0.134 ppbv
 RT: 4.21 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

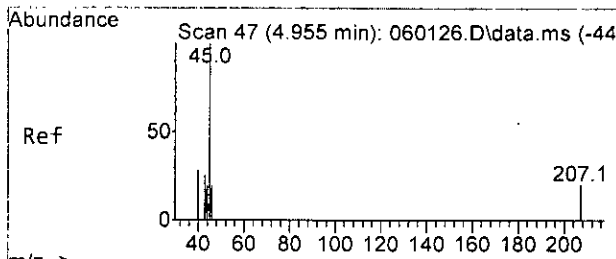
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 54 | 100 | | |
| 39 | 380.0 | 97.6 | 157.6# |
| 53 | 92.0 | 42.4 | 102.4 |
| 27 | 144.0 | 0.0 | 20.0# |



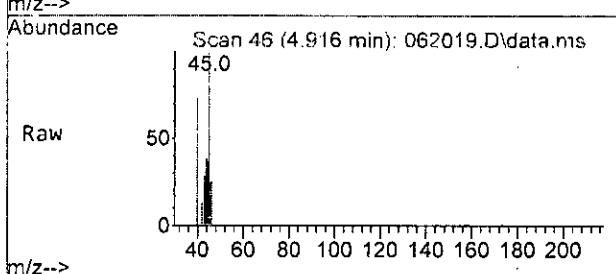
#8
 Butane
 Concen: 2.563 ppbv
 RT: 4.32 min Scan# 31
 Delta R.T. 0.040 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 0.0 | 0.0 | 36.9 |

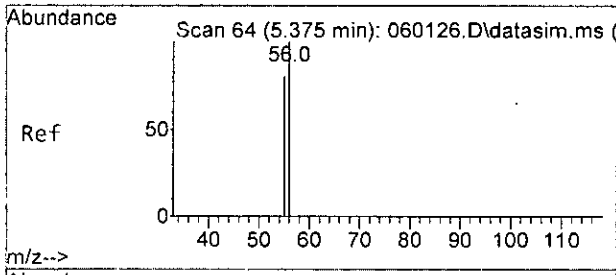
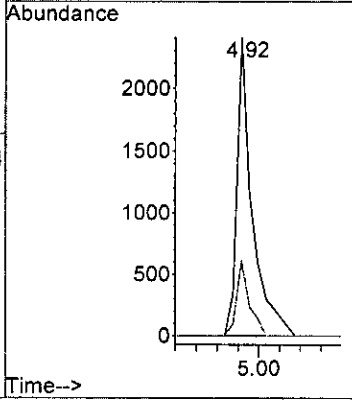
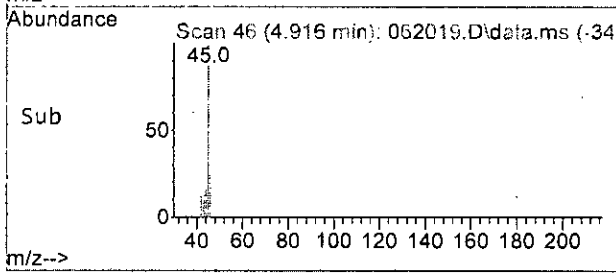




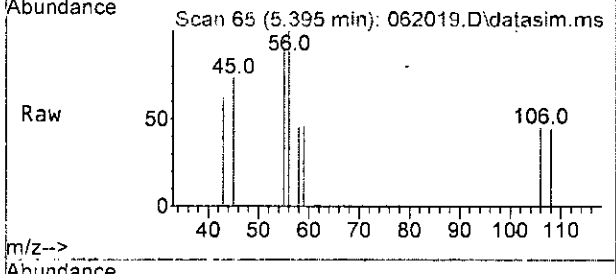
#12
 Ethanol
 Concen: 10.865 ppbv
 RT: 4.92 min Scan# 46
 Delta R.T. -0.039 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am



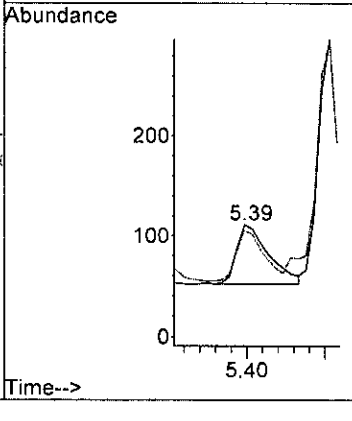
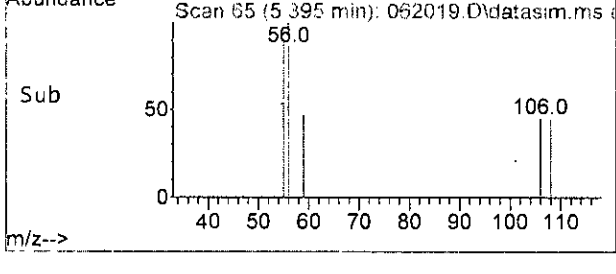
Tgt Ion: 45 Resp: 13223
 Ion Ratio Lower Upper
 45 100
 46 19.7 0.0 55.5

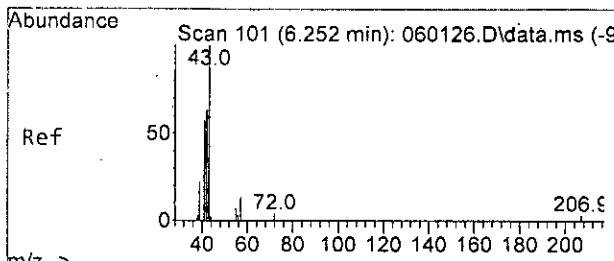


#13
 Acrolein
 Concen: 0.262 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am



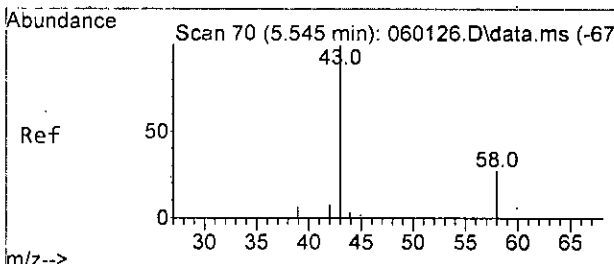
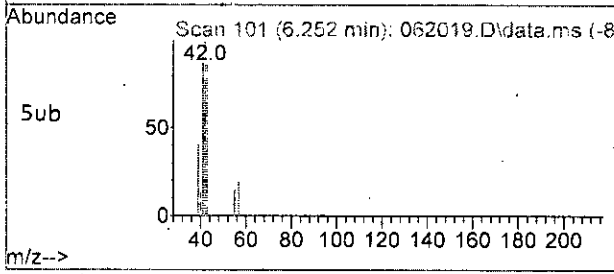
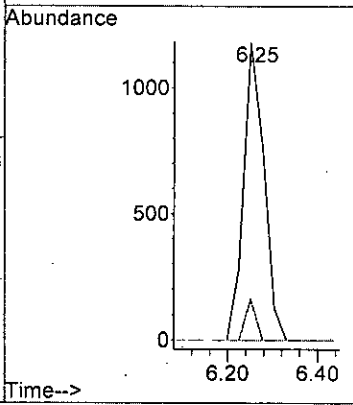
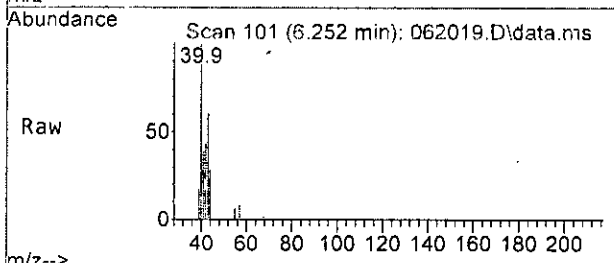
Tgt Ion: 56 Resp: 333
 Ion Ratio Lower Upper
 56 100
 55 159.2 51.0 111.0#





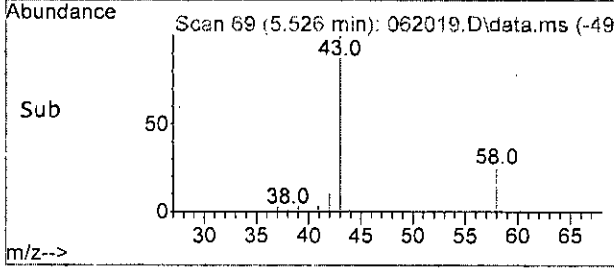
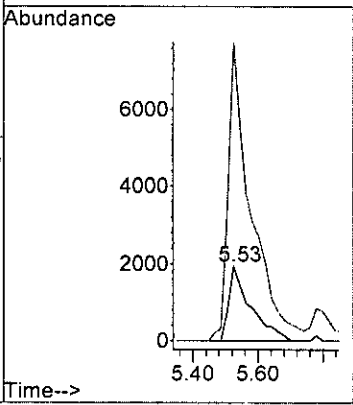
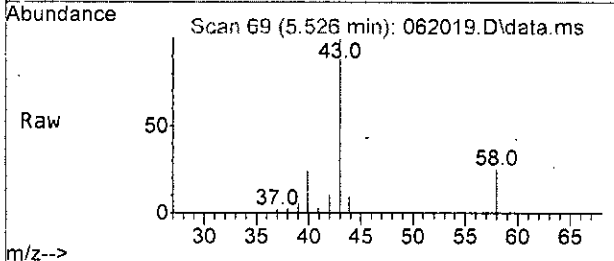
#14
 Pentane
 Concen: 0.699 ppbv
 RT: 6.25 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

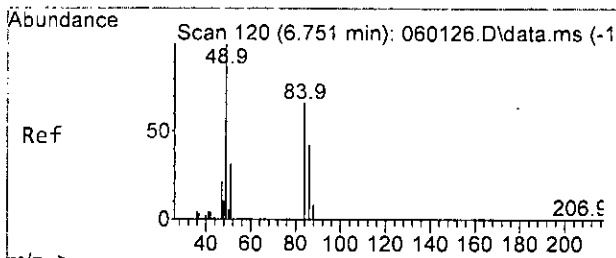
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 57 | 13.7 | 0.0 | 43.5 |
| 72 | 0.0 | 0.0 | 34.2 |



#16
 Acetone
 Concen: 6.828 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

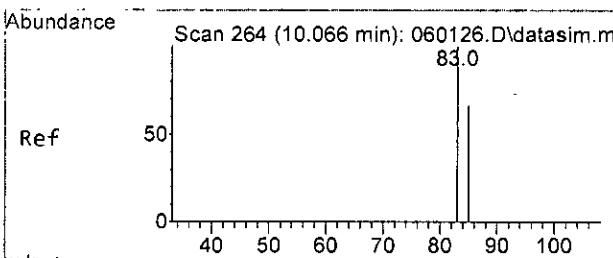
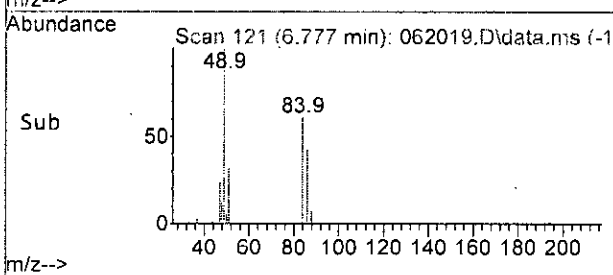
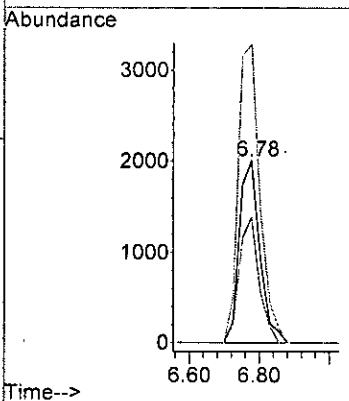
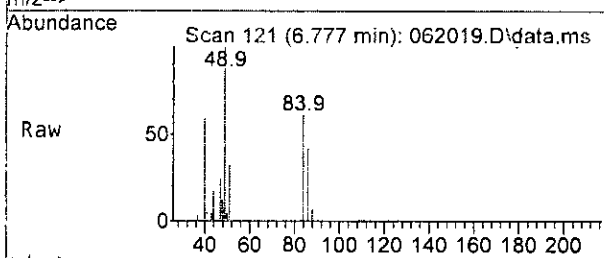
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 58 | 100 | | |
| 43 | 390.5 | 329.3 | 389.3# |





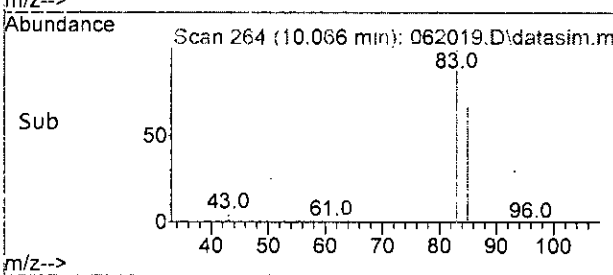
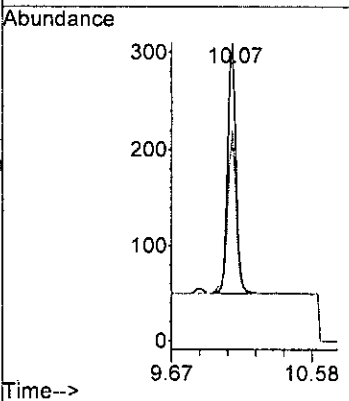
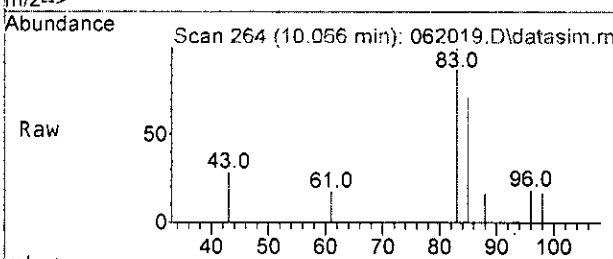
#20
 Methylene chloride
 Concen: 2.896 ppbv
 RT: 6.78 min Scan# 121
 Delta R.T. 0.026 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

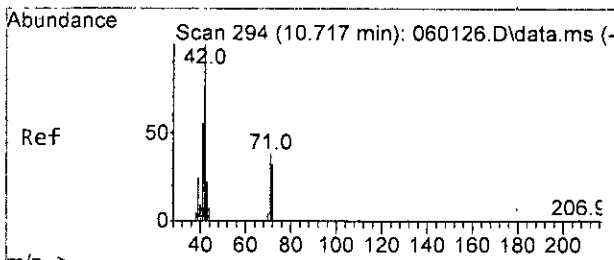
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 86 | 69.3 | 33.9 | 93.9 |
| 49 | 164.4 | 116.6 | 176.6 |



#30
 Chloroform
 Concen: 0.126 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

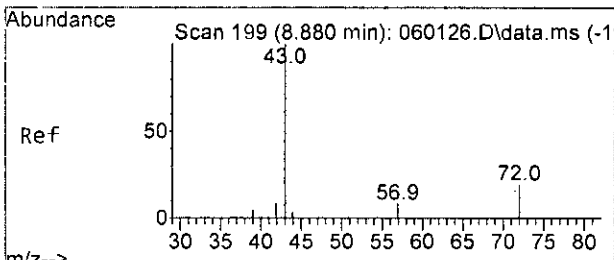
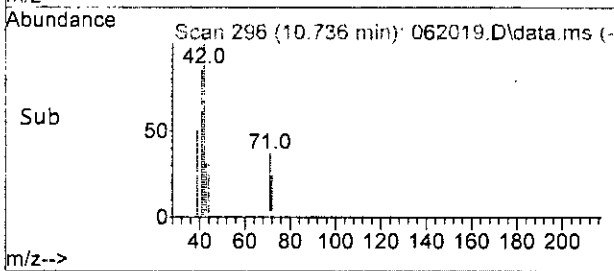
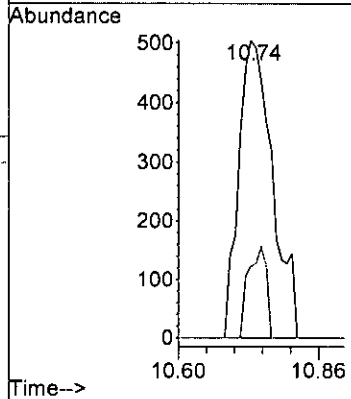
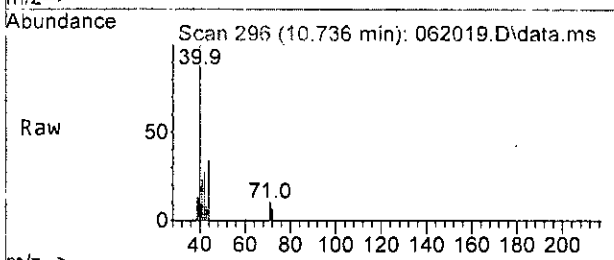
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 65.6 | 36.3 | 96.3 |





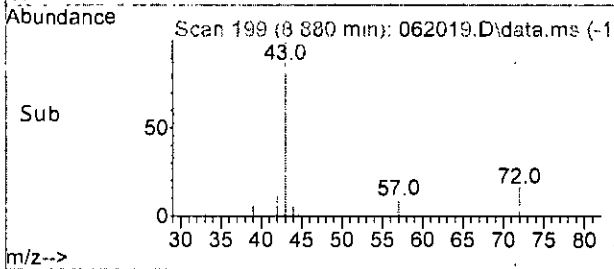
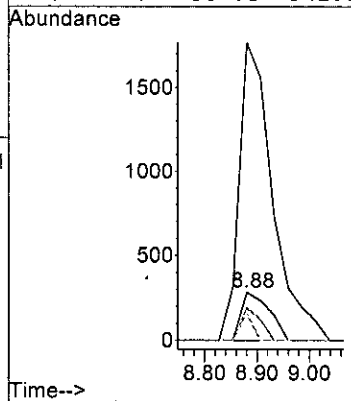
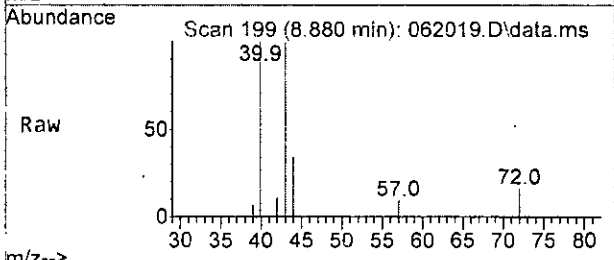
#32
 Tetrahydrofuran
 Concen: 0.615 ppbv
 RT: 10.74 min Scan# 296
 Delta R.T. 0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

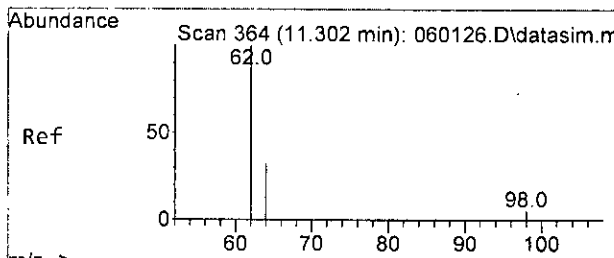
Tgt Ion: 42 Resp: 2171
 Ion Ratio Lower Upper
 42 100
 72 16.7 3.7 63.7



#33
 2-Butanone (MEK)
 Concen: 0.906 ppbv
 RT: 8.88 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

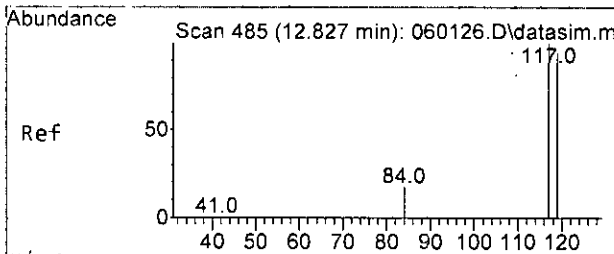
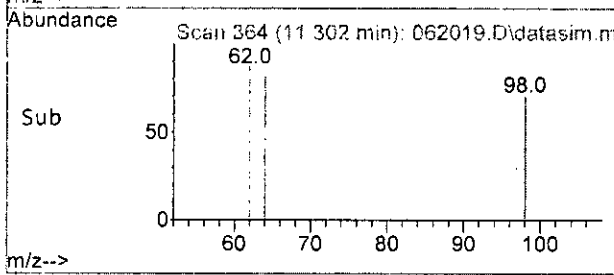
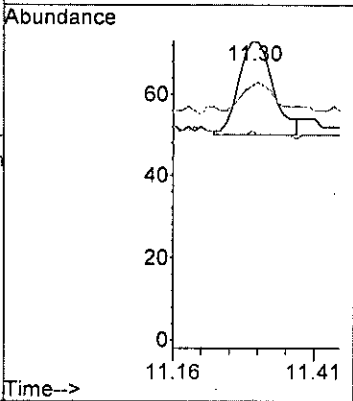
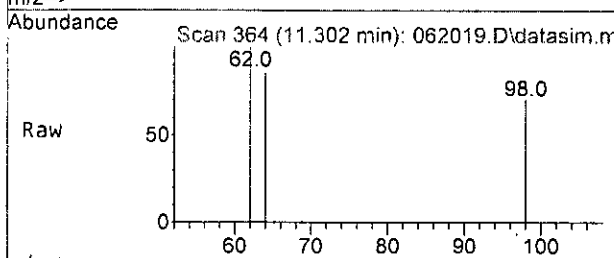
Tgt Ion: 72 Resp: 1050
 Ion Ratio Lower Upper
 72 100
 42 67.4 0.0 59.9#
 57 56.0 14.2 74.2
 43 626.2 501.6 541.6#





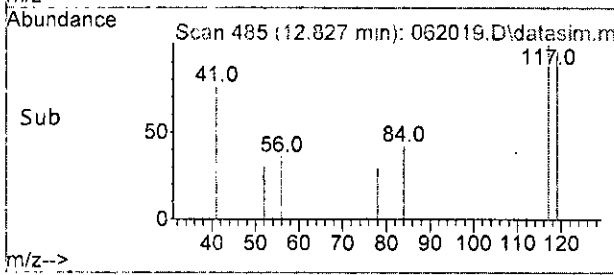
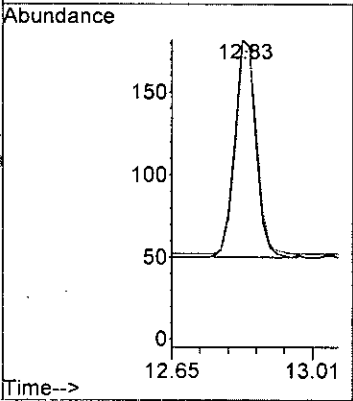
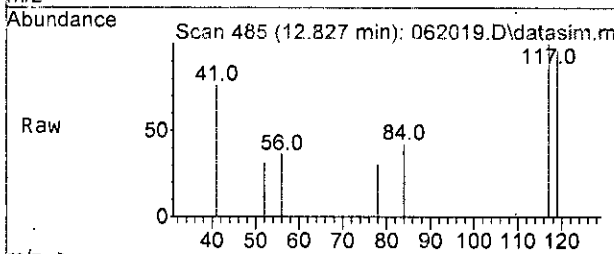
#34
 1,2-Dichloroethane (EDC)
 Concen: 0.020 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

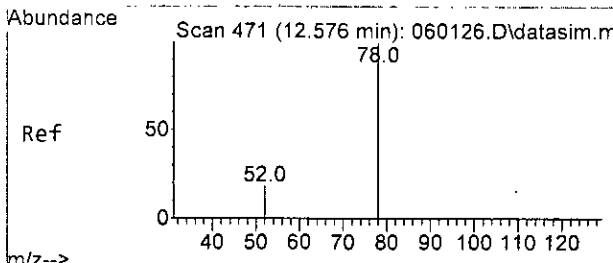
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 69.9 | 0.0 | 35.3# |
| 64 | 84.9 | 3.0 | 63.0# |



#36
 Carbon tetrachloride
 Concen: 0.074 ppbv m
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

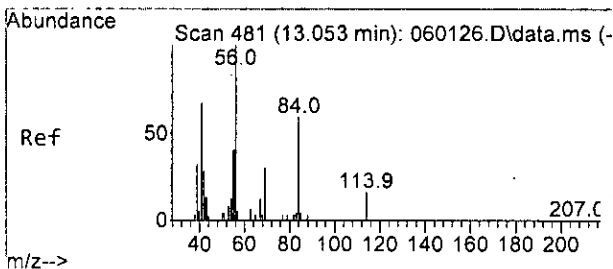
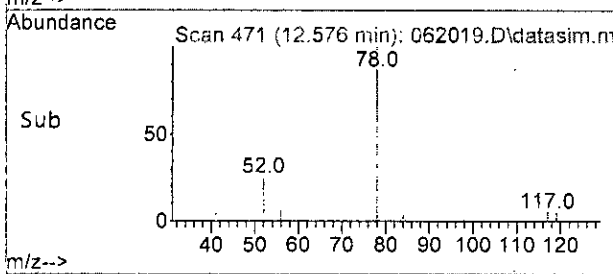
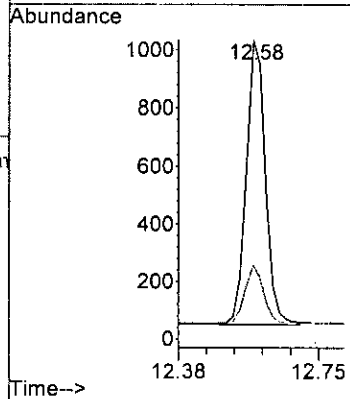
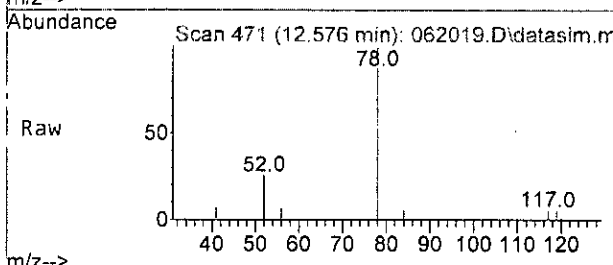
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 96.2 | 64.6 | 124.6 |





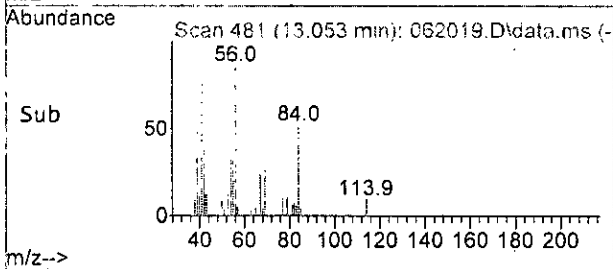
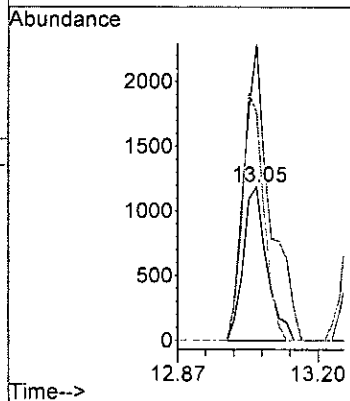
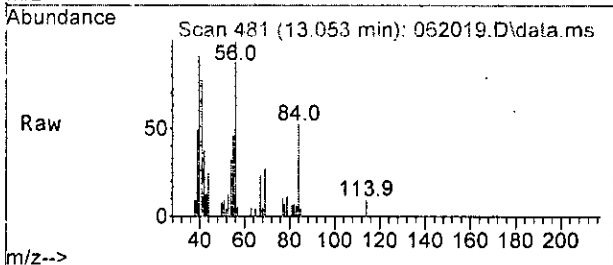
#37
Benzene
Concen: 0.338 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

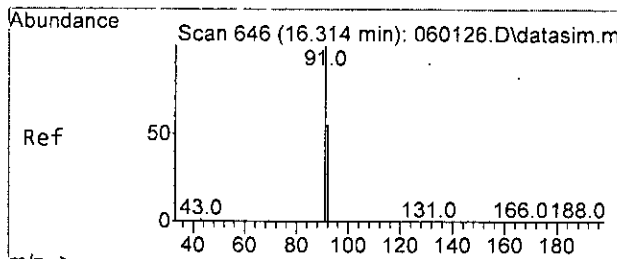
Tgt Ion: 78 Resp: 3529
Ion Ratio Lower Upper
78 100
52 24.8 0.0 49.7



#38
Cyclohexane
Concen: 1.797 ppbv
RT: 13.05 min Scan# 481
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

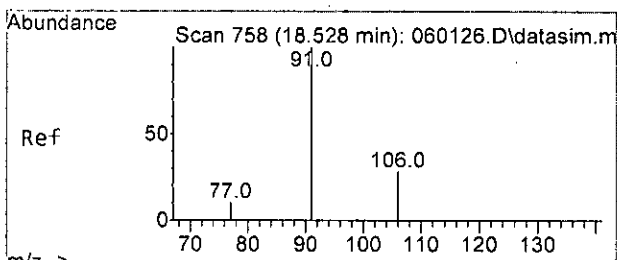
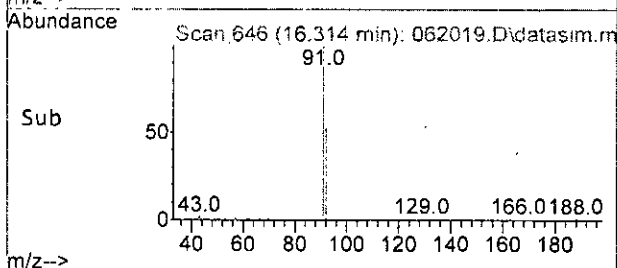
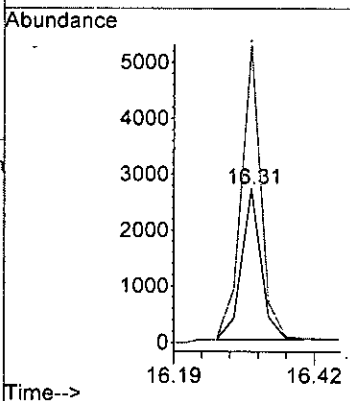
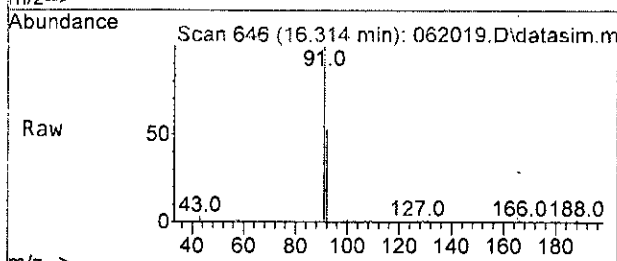
Tgt Ion: 84 Resp: 4656
Ion Ratio Lower Upper
84 100
56 192.4 144.4 204.4
41 148.2 77.2 137.2#





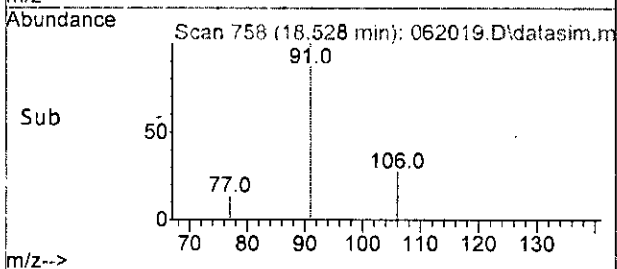
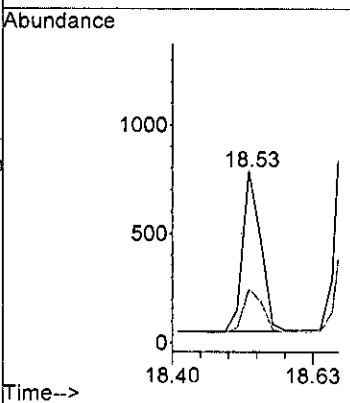
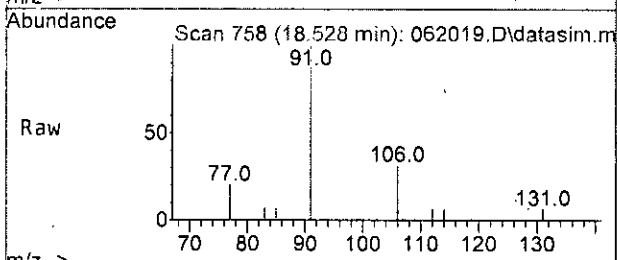
#50
Toluene
Concen: 1.047 ppbv m
RT: 16.31 min Scan# 646
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

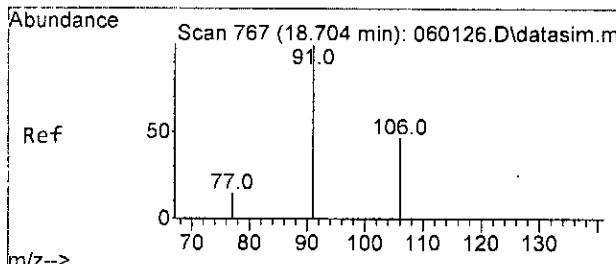
Tgt Ion: 92 Resp: 5904
Ion Ratio Lower Upper
92 100
91 193.3 174.6 234.6



#58
Ethylbenzene
Concen: 0.136 ppbv
RT: 18.53 min Scan# 758
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

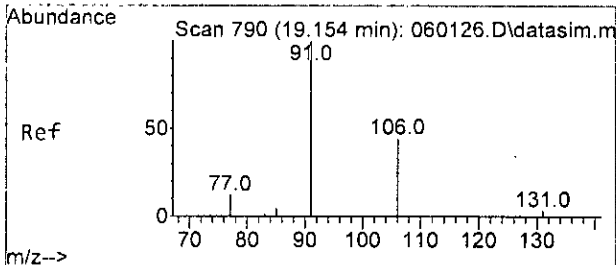
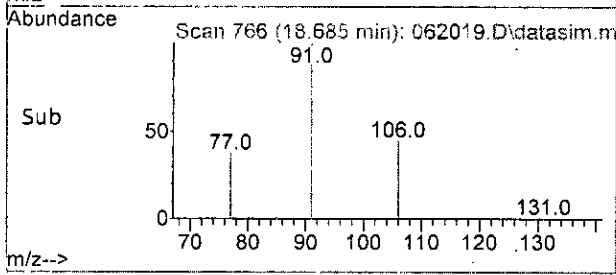
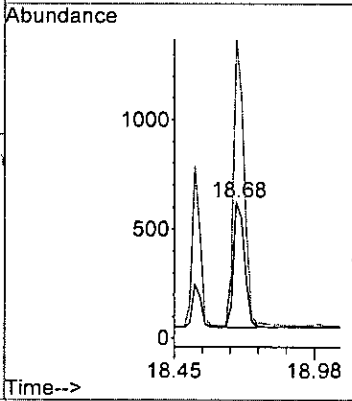
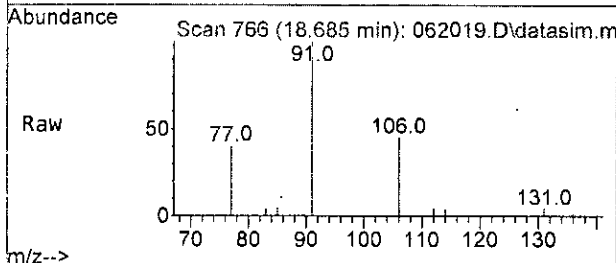
Tgt Ion: 91 Resp: 1515
Ion Ratio Lower Upper
91 100
106 26.9 0.0 57.0





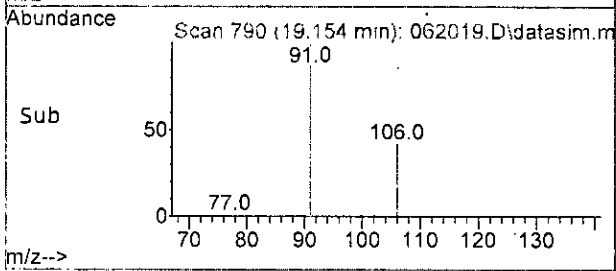
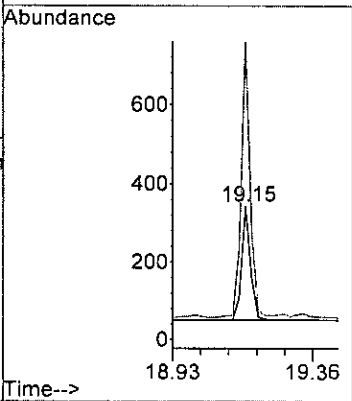
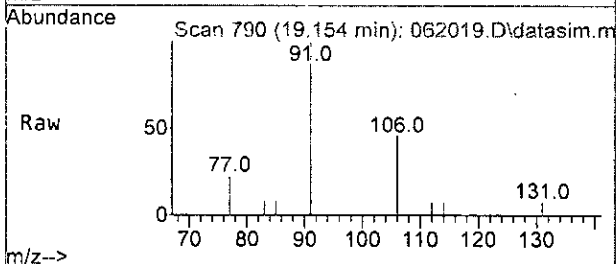
#65
 m,p-Xylene
 Concen: 0.423 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

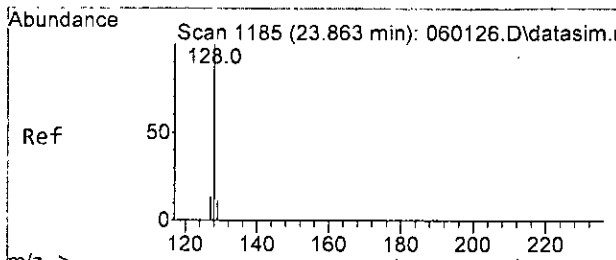
Tgt Ion:106 Resp: 1686
 Ion Ratio Lower Upper
 106 100
 91 229.5 193.0 253.0



#66
 o-Xylene
 Concen: 0.164 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

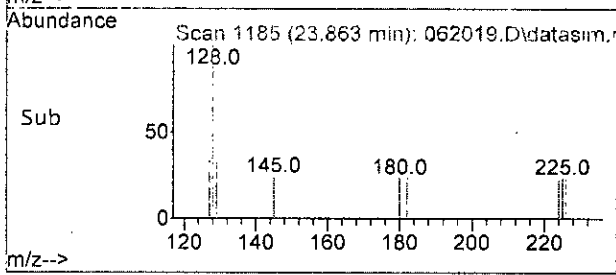
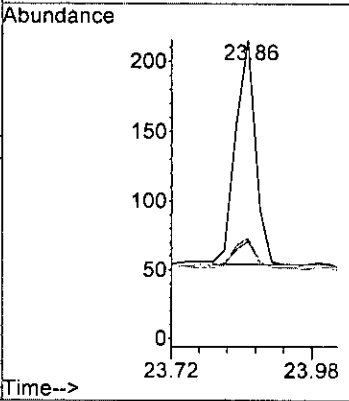
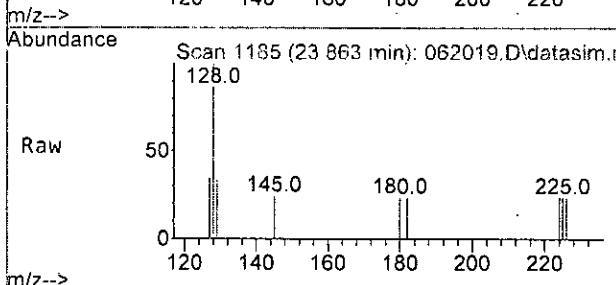
Tgt Ion:106 Resp: 553
 Ion Ratio Lower Upper
 106 100
 91 240.1 194.4 254.4





#77
 Naphthalene
 Concen: 0.051 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 11.8 | 0.0 | 41.0 |
| 127 | 13.7 | 0.0 | 43.2 |



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19120 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71183 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64199 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41344 | 9.086 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 90.90% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 12951 | 5.237 | ppbv | # 41 |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 3672 | 0.446 | ppbv | 97 |
| 4) Chloromethane | 3.73 | 50 | 1259 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 4.21 | 54 | 310 | 0.134 | ppbv | # 1 |
| 8) Butane | 4.32 | 43 | 11965 | 2.563 | ppbv | # 80 |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.92 | 45 | 13223 | 10.865 | ppbv | 88 |
| 13] Acrolein | 5.39 | 56 | 333m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3697 | 0.699 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 1465 | N.D. | | |
| 16) Acetone | 5.53 | 58 | 9001 | 6.828 | ppbv | # 86 |
| 17) 2-Propanol | 5.78 | 45 | 9127 | N.D. | | |
| 18) 1,1-Dichloroethene | 6.49 | 96 | 22 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 20) Methylene chloride | 6.78 | 84 | 8222 | 2.896 | ppbv | 88 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 174 | N.D. | | |
| 22) 3-Chloropropene | 6.78 | 41 | 489 | N.D. | | |
| 23) CFC-113 | 7.15 | 101 | 178 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 1402 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 9.99 | 57 | 1263 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 962 | 0.126 | ppbv | 99 |
| 31) Ethyl acetate | 9.97 | 43 | 2179 | N.D. | | |
| 32) Tetrahydrofuran | 10.74 | 42 | 2171 | 0.615 | ppbv | 70 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 1050 | 0.906 | ppbv | # 63 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 98m | 0.020 | ppbv | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 498m | 0.074 | ppbv | |
| 37] Benzene | 12.58 | 78 | 3529m | 0.338 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4656 | 1.797 | ppbv | # 77 |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

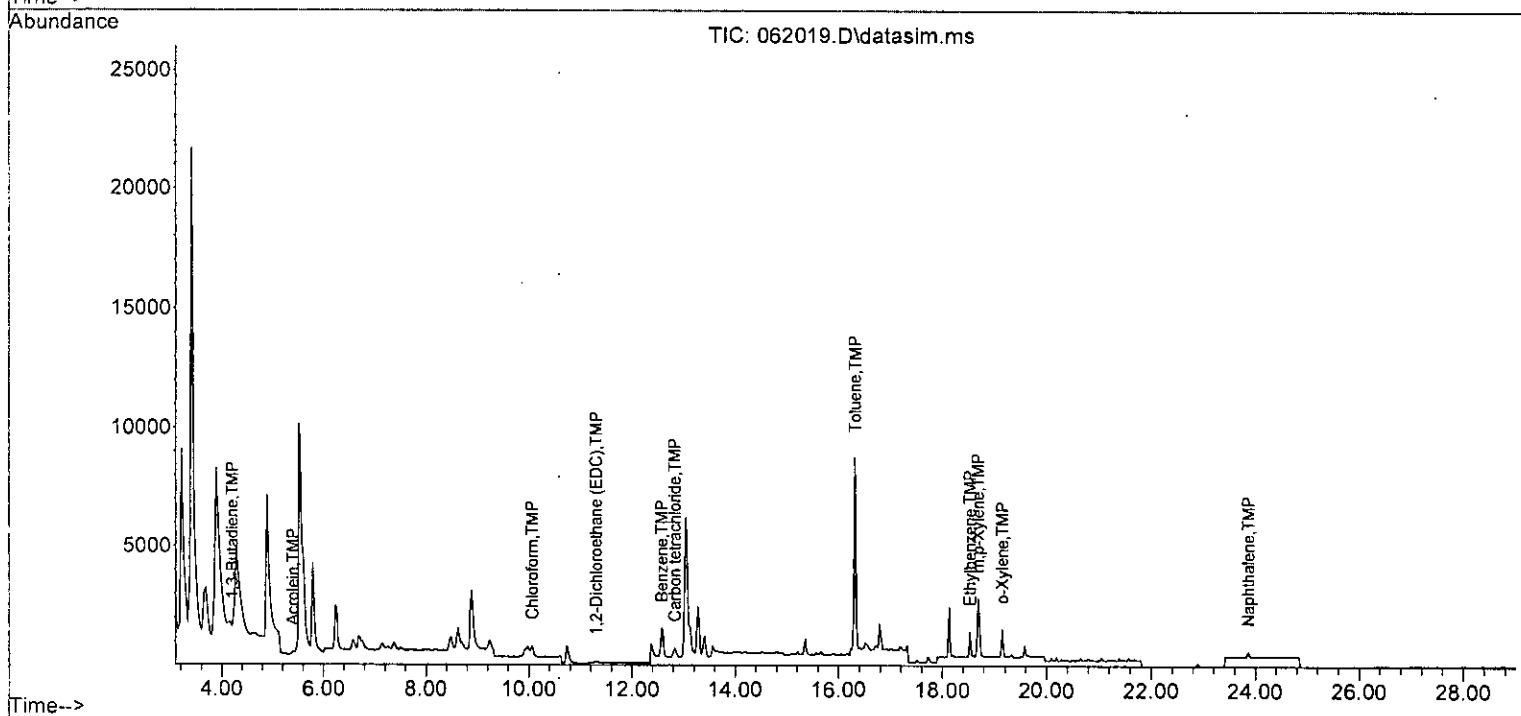
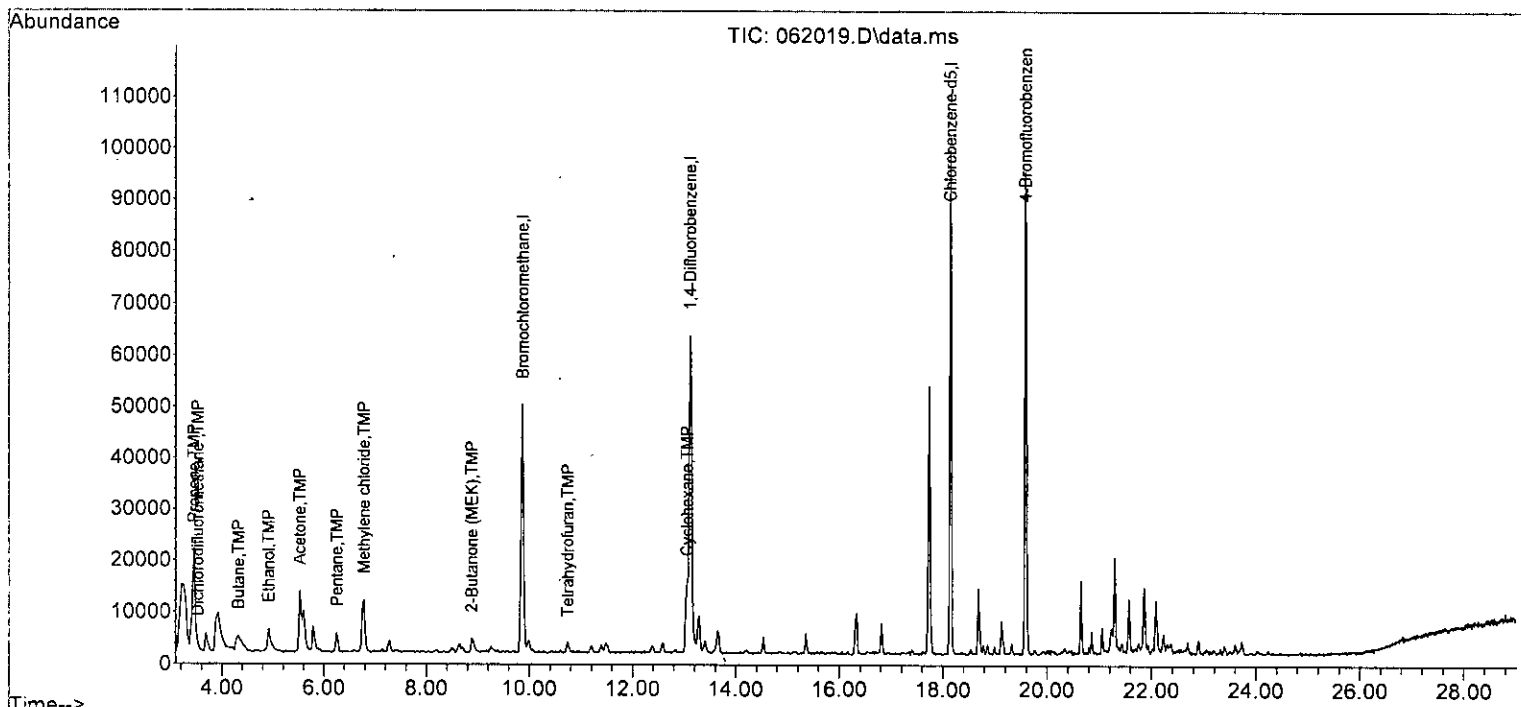
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 605 | | N.D. | |
| 43) Methyl methacrylate | 14.21 | 41 | 439 | | N.D. | |
| 44) Heptane | 14.53 | 43 | 1667 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. d | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50] Toluene | 16.31 | 92 | 5904m | 1.047 | ppbv | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.53 | 43 | 870 | | N.D. | |
| 53) Tetrachloroethene | 17.52 | 164 | 41 | | N.D. | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 1515 | 0.136 | ppbv | 100 |
| 59) 1,1,2,2-Tetrachloroethane | 18.98 | 83 | 33 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 1053 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 313 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.20 | 91 | 116 | | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 841 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 1686 | 0.423 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 553 | 0.164 | ppbv | 90 |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.81 | 105 | 619 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 619 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 65 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 65 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 21.05 | 146 | 59 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 402 | 0.051 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

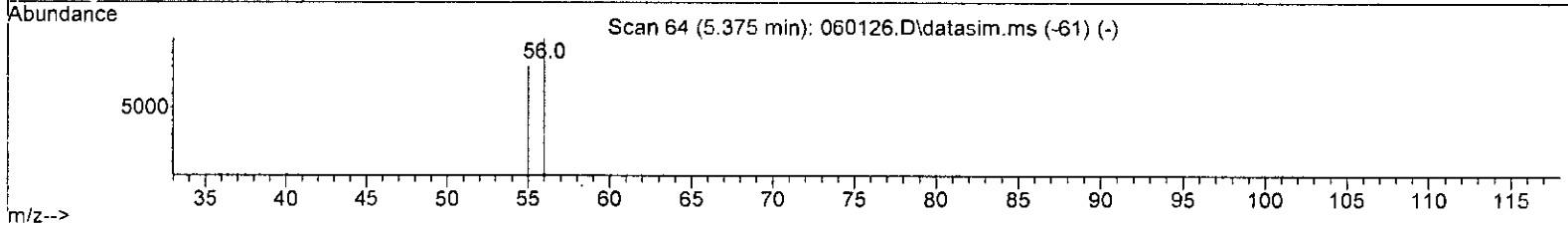
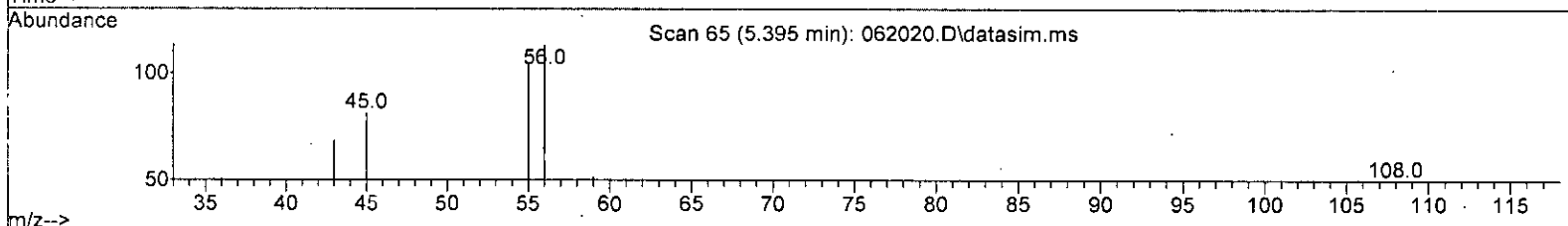
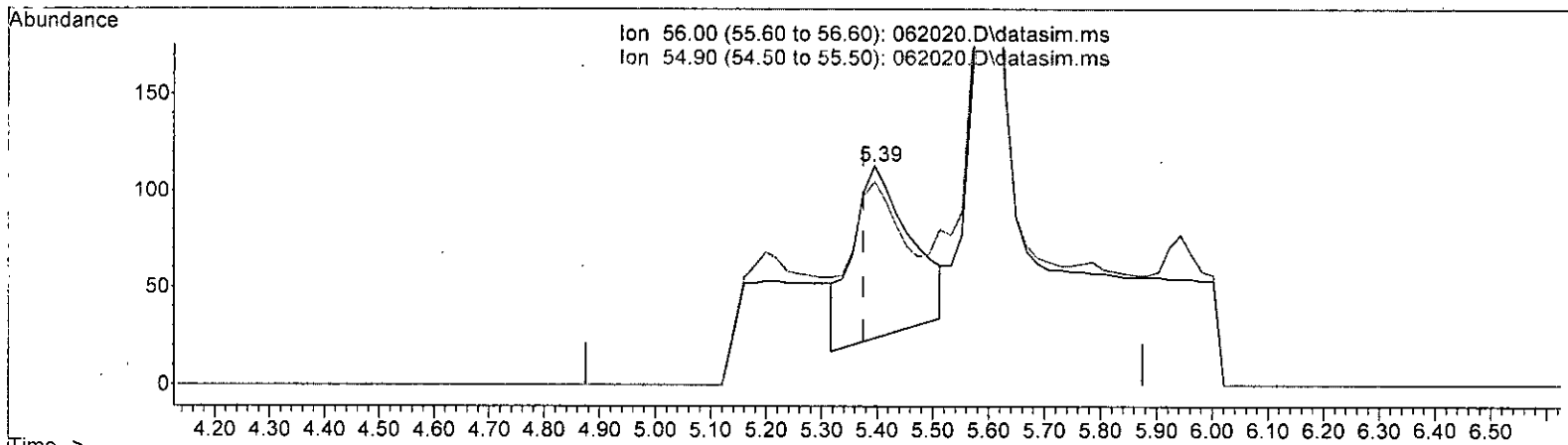
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062020.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.512 ppbv

response 637

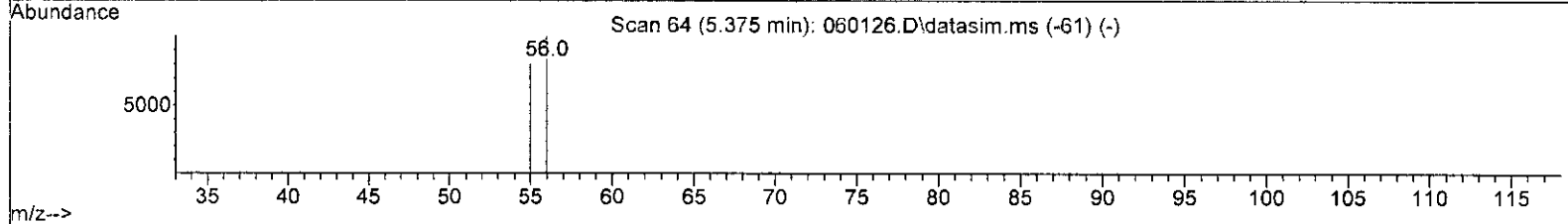
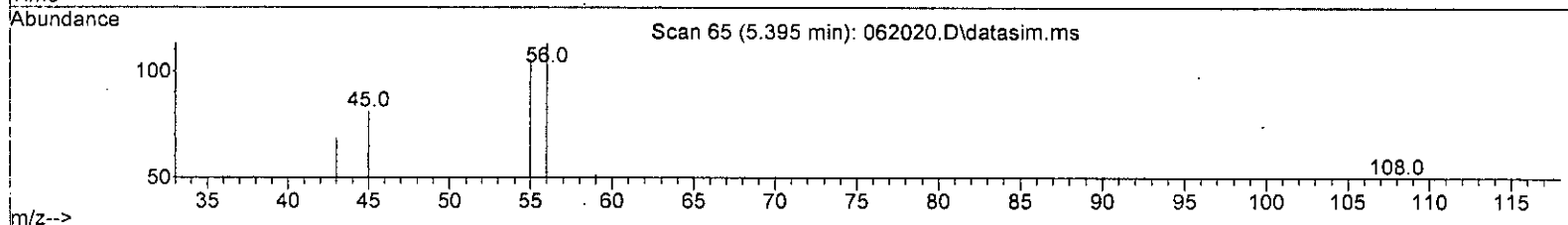
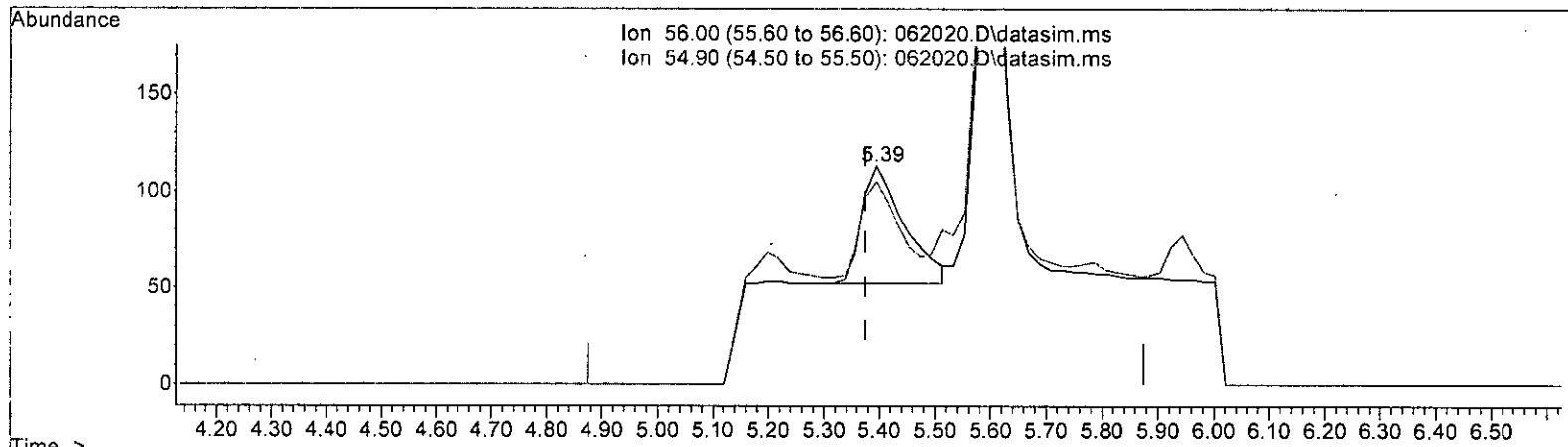
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 77.55 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 S5 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062020.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.262 ppbv.m

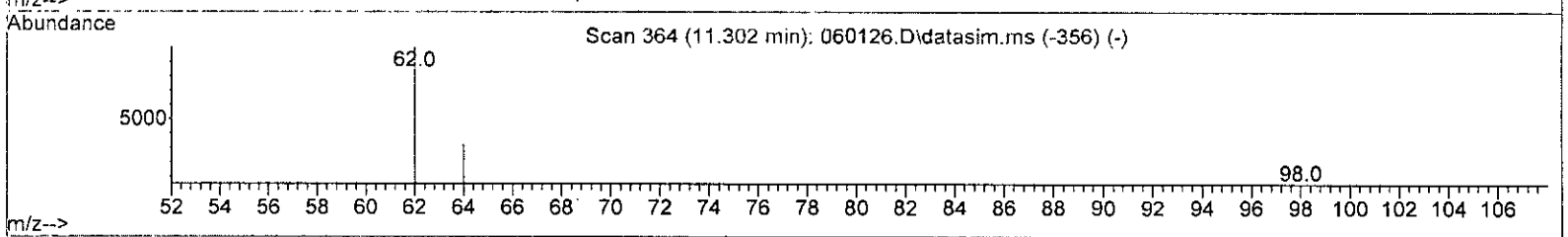
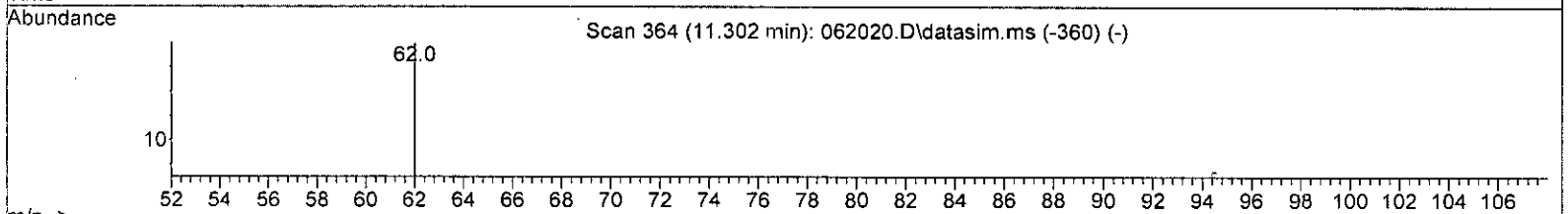
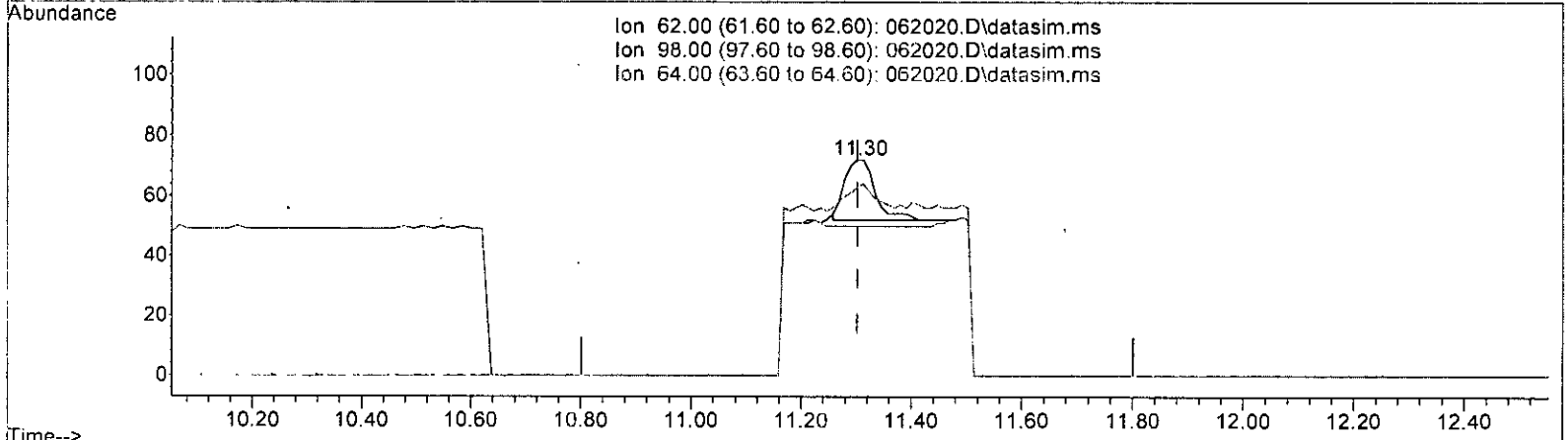
| response | 326 |
|----------|---------------|
| Ion | Exp% Act% |
| 56.00 | 100.00 100.00 |
| 54.90 | 81.00 151.53# |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062020.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.016 ppbv

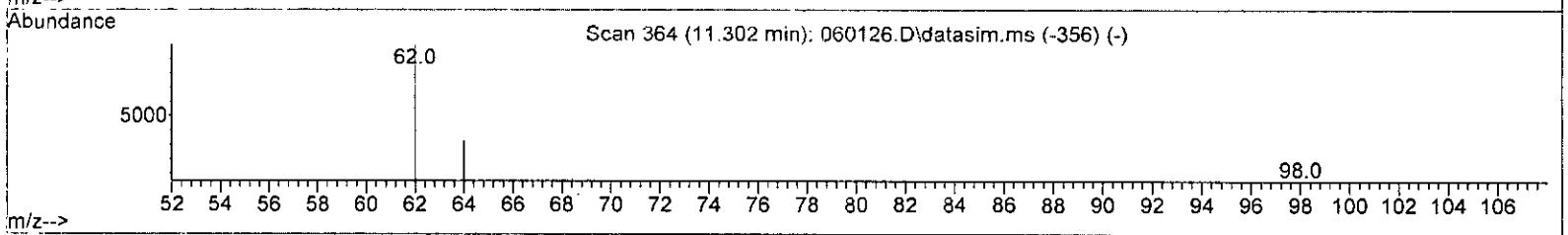
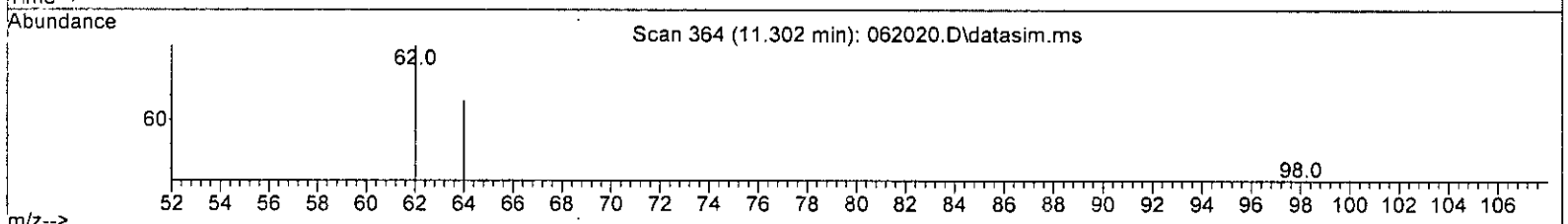
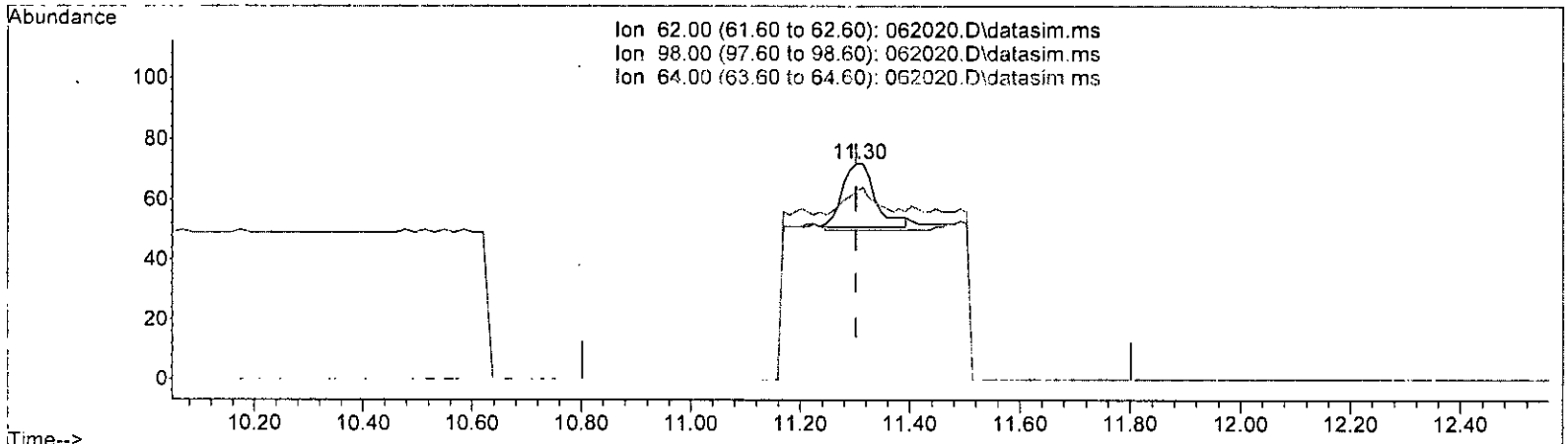
| response | 77 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 0.00 |
| 64.00 | 33.00 | 35.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062020.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.018 ppby m

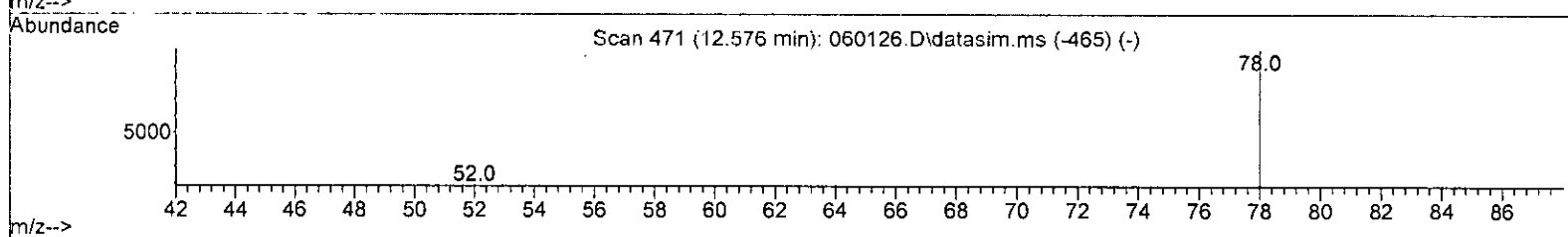
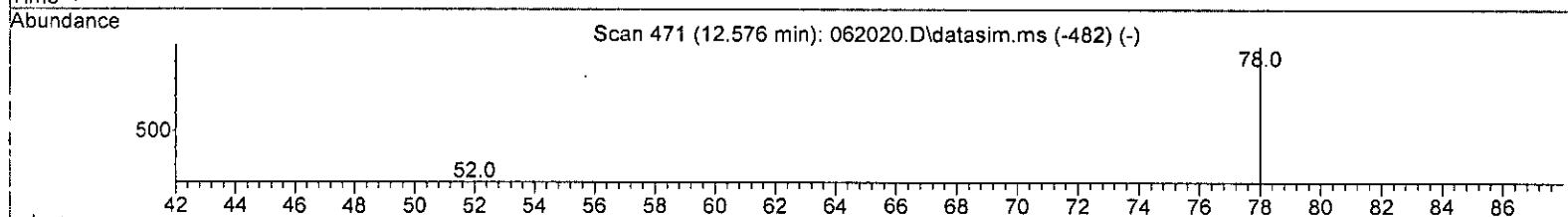
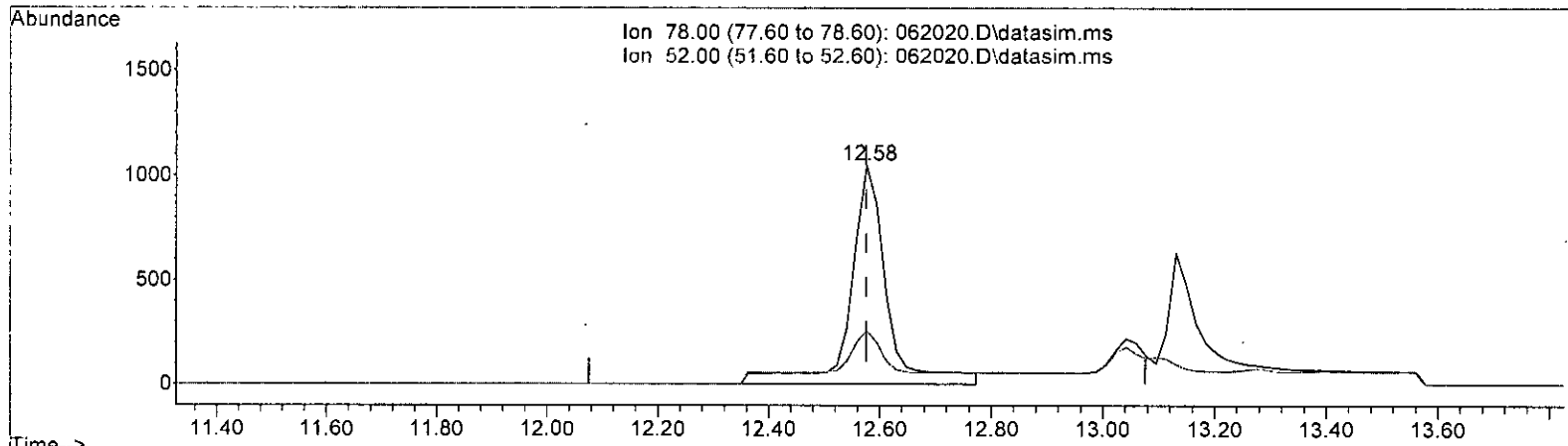
| response | 87 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 69.44# |
| 64.00 | 33.00 87.50# |
| 0.00 | 0.00 0.00 |

MD
10/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062020.D\data.ms

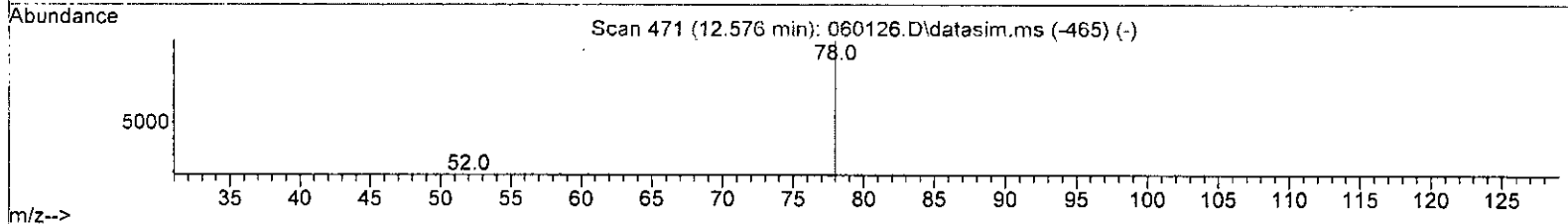
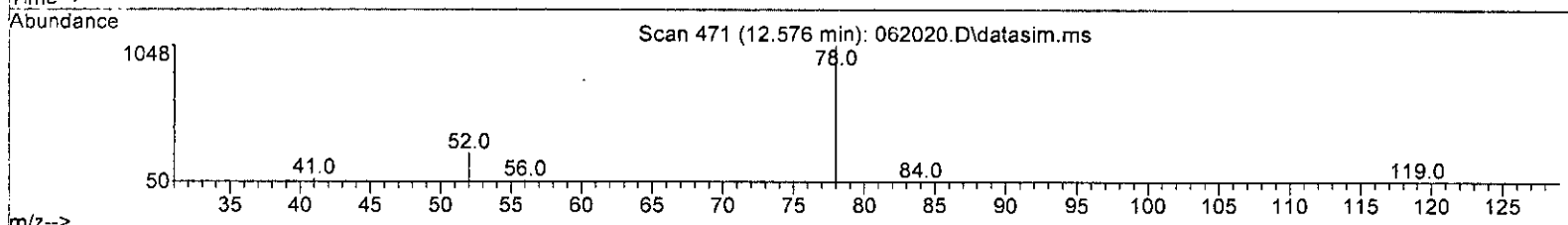
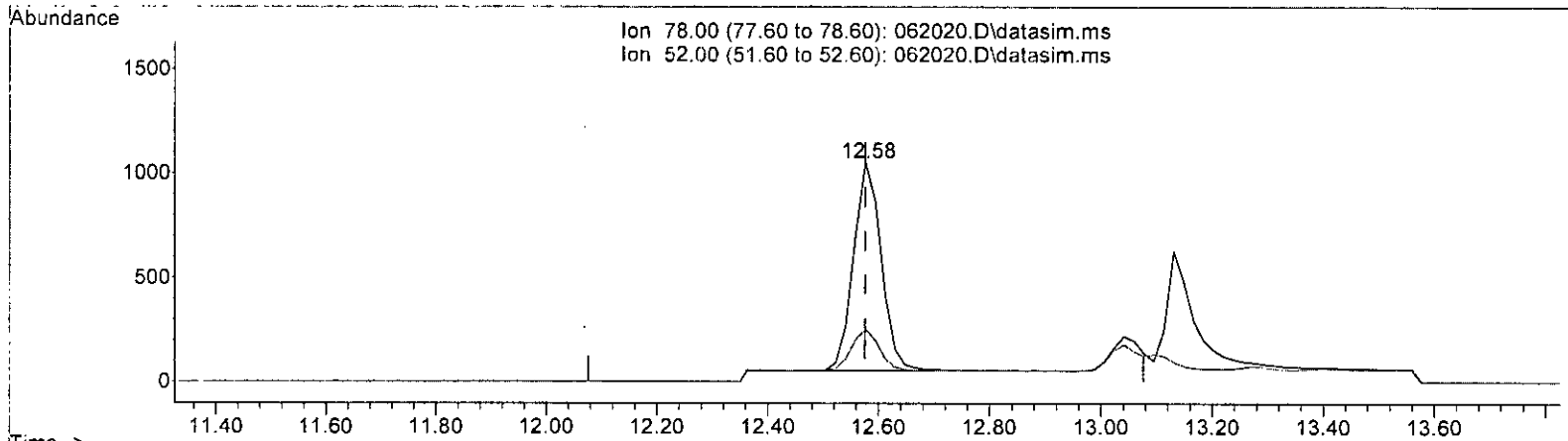
| (37) Benzene (TMP) | | | |
|---------------------|------------|--------|--|
| 12.576min (+ 0.000) | 0.459 ppbv | | |
| response | 4697 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 24.40 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062020.D\data.ms

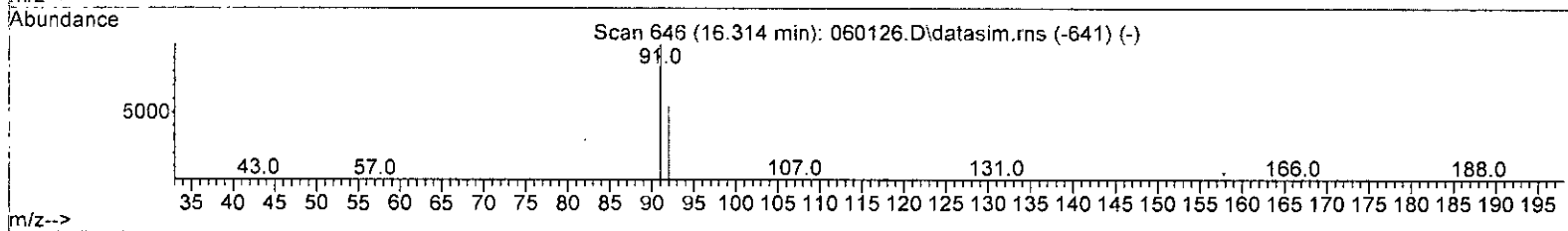
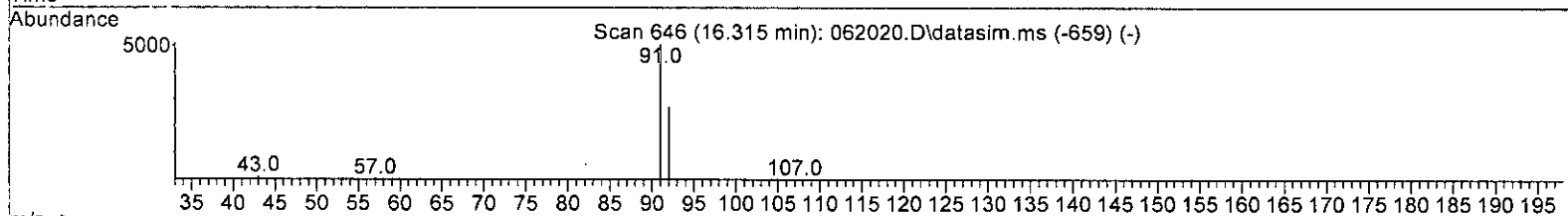
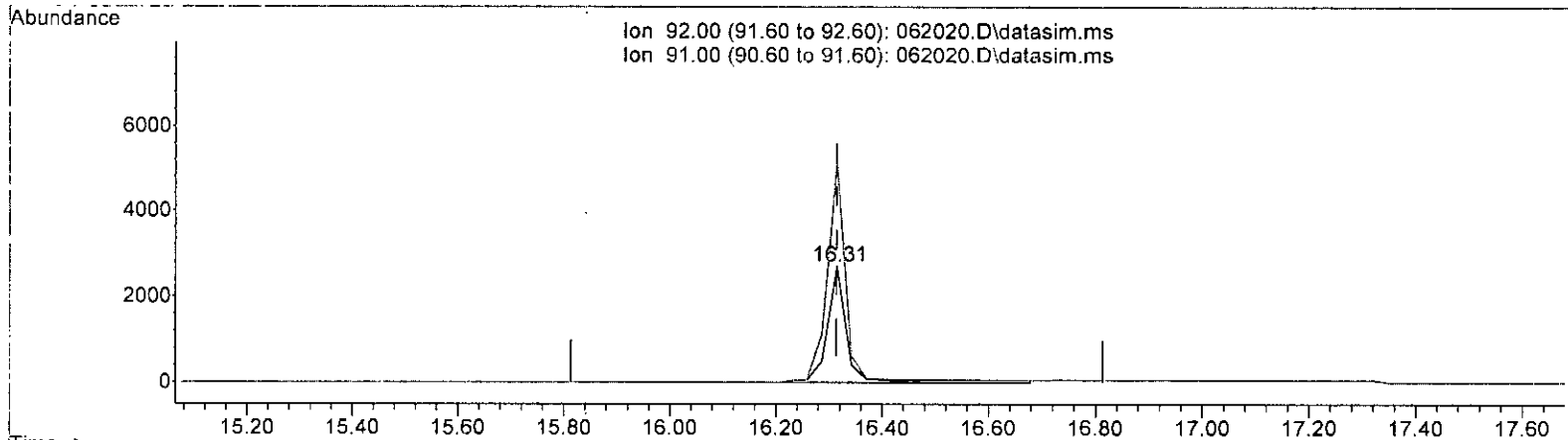
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|---|
| 12.576min (+ 0.000) | 0.339 | ppbv | m |
| response | 3472 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 24.40 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062020.D\data.ms

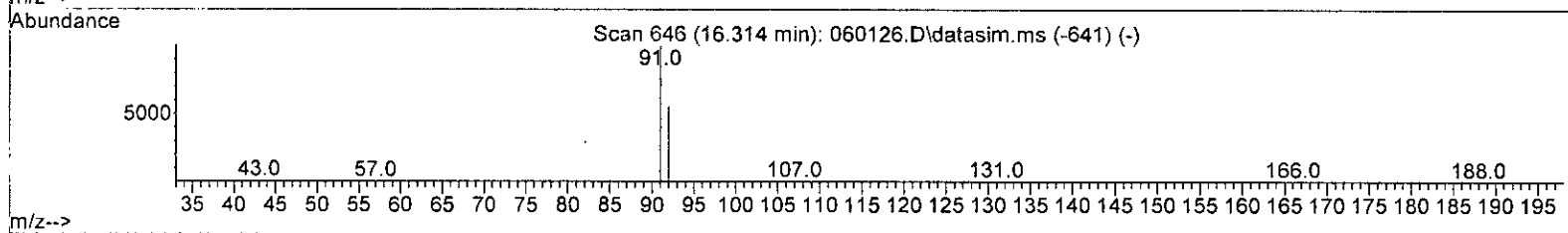
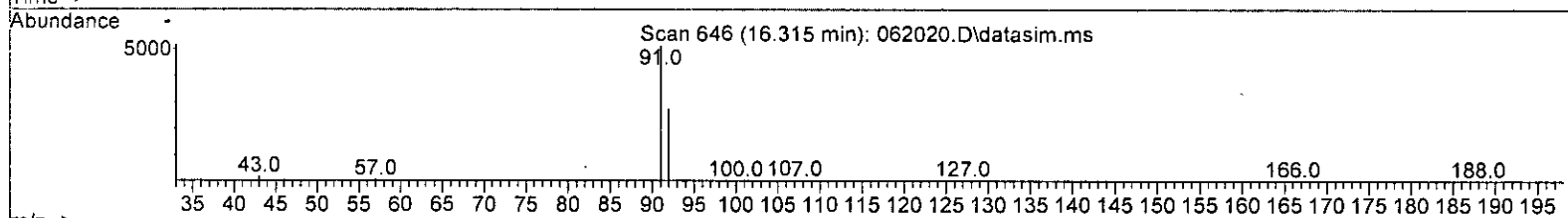
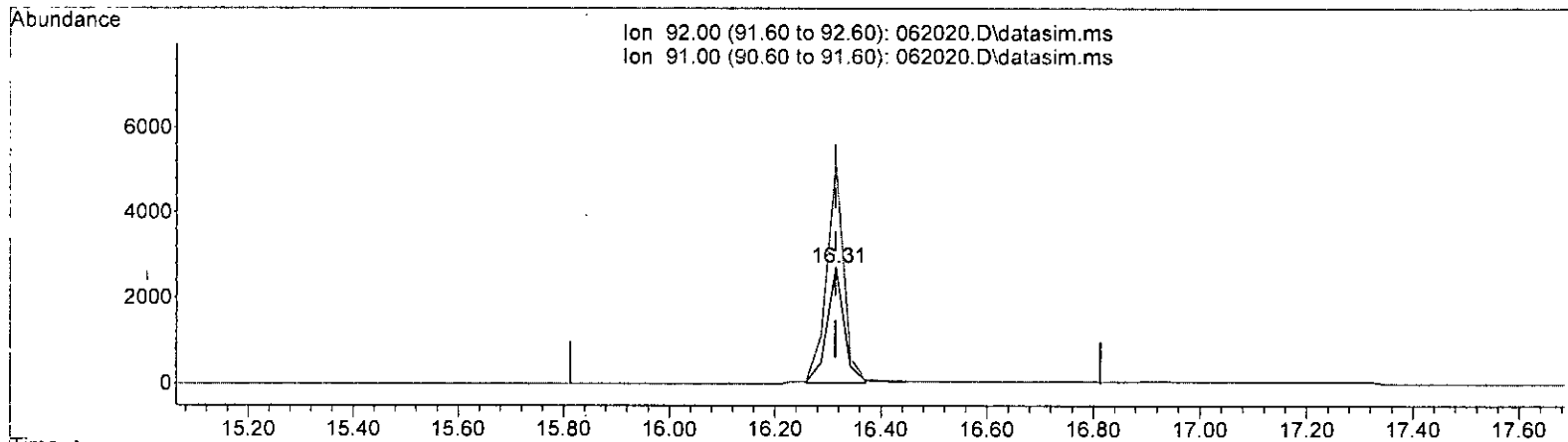
| (50) Toluene (TMP) | | | |
|---------------------|--------|--------|--|
| 16.315min (+ 0.001) | 1.282 | ppbv | |
| response | 7212 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 189.12 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
07/1/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062020.D\data.ms

(50) Toluene (TMP)

16.315min (+ 0.001) 1.067 ppbv m

response 6003

| Ion | Exp% | Act% |
|-------|--------|--------|
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 189.12 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

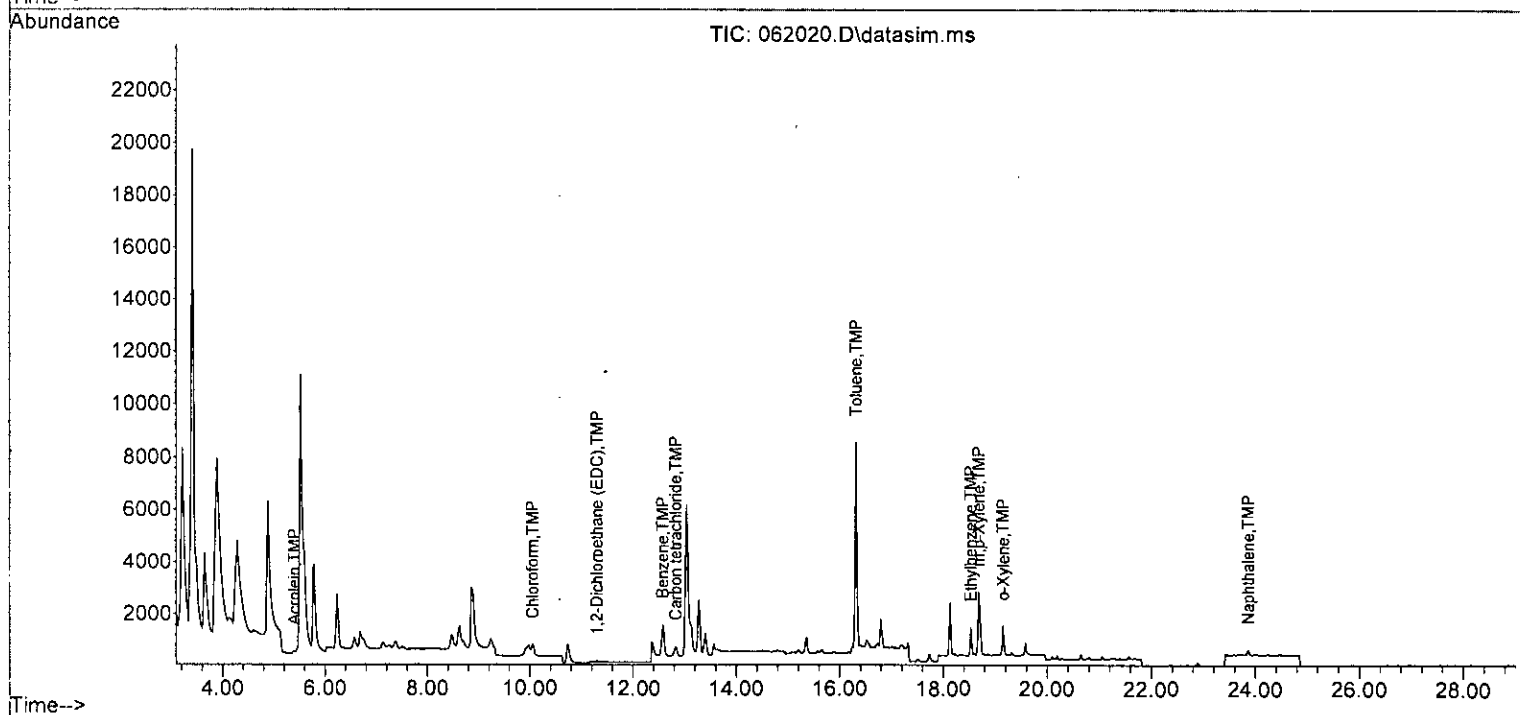
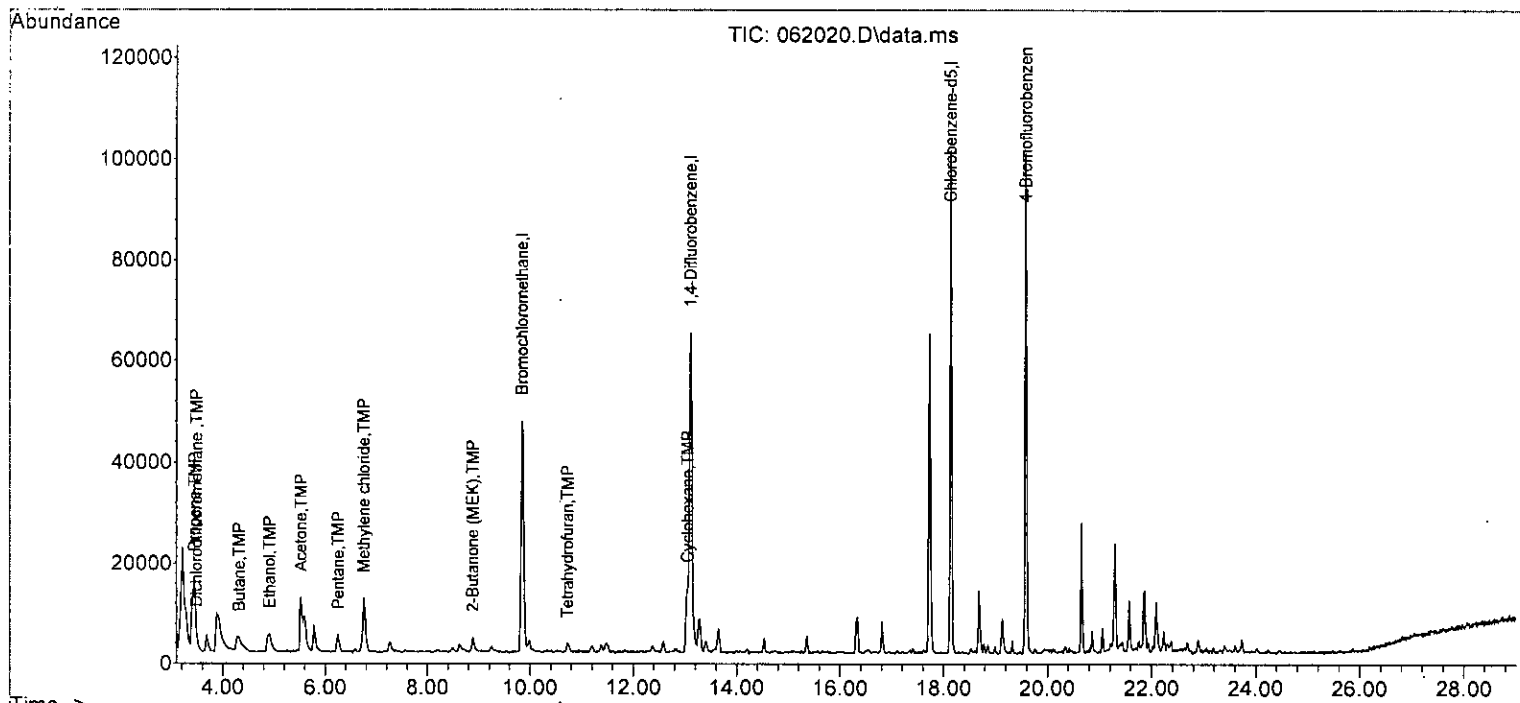
Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

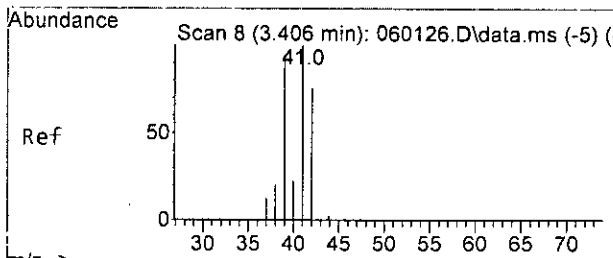
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.85 | 128 | 18725 | 10.000 | ppbv | #-0.02 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70994 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64363 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 42386 | 9.291 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 92.90% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 12575 | 5.192 | ppbv | # 56 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3879 | 0.481 | ppbv | 98 |
| 8) Butane | 4.32 | 43 | 10708 | 2.343 | ppbv | 88 |
| 12) Ethanol | 4.92 | 45 | 14487 | 12.155 | ppbv | 91 |
| 13] Acrolein | 5.39 | 56 | 326m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3719 | 0.718 | ppbv | 93 |
| 16) Acetone | 5.53 | 58 | 9041 | 7.003 | ppbv | # 81 |
| 20) Methylene chloride | 6.75 | 84 | 8774 | 3.156 | ppbv | 86 |
| 30] Chloroform | 10.05 | 83 | 944 | 0.126 | ppbv | 95 |
| 32) Tetrahydrofuran | 10.73 | 42 | 2156 | 0.624 | ppbv | 54 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 796 | 0.701 | ppbv | # 45 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 87m | 0.018 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 495 | 0.075 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 3472m | 0.339 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4697 | 1.851 | ppbv | 84 |
| 50] Toluene | 16.31 | 92 | 6003m | 1.067 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 1528 | 0.137 | ppbv | 100 |
| 65] m,p-Xylene | 18.68 | 106 | 1647 | 0.412 | ppbv | 95 |
| 66] o-Xylene | 19.15 | 106 | 558 | 0.165 | ppbv | 95 |
| 77] Naphthalene | 23.86 | 128 | 420 | 0.053 | ppbv | 98 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
Data File : 062020.D
Acq On : 21 Jun 2023 2:25 am
Operator : bat
Sample : 306242-04 dup
Misc : T7
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

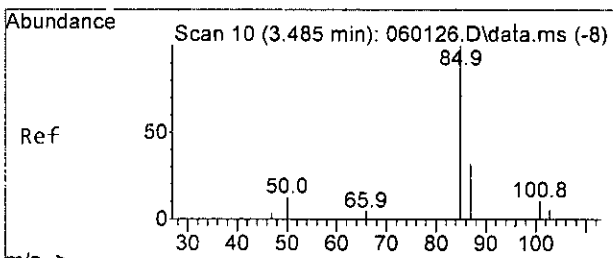
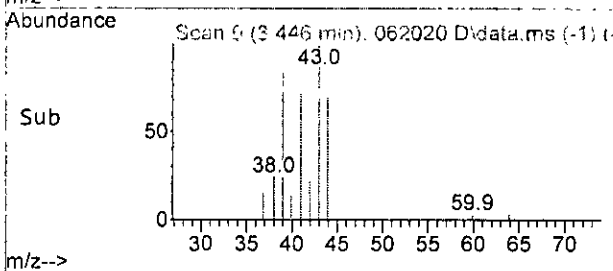
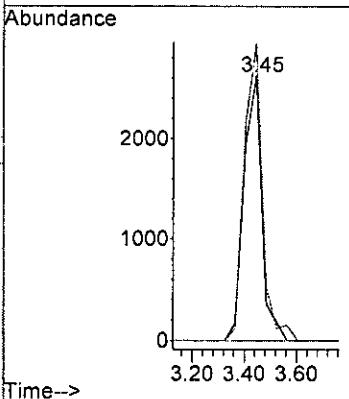
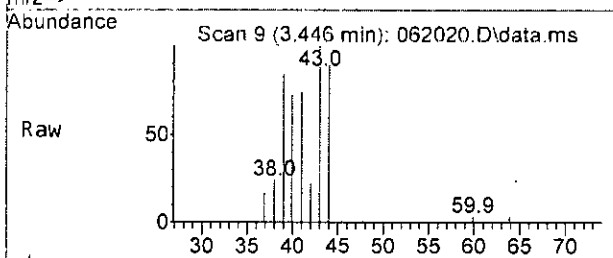
Quant Time: Jun 21 07:08:28 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : T0-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:T015DC.M





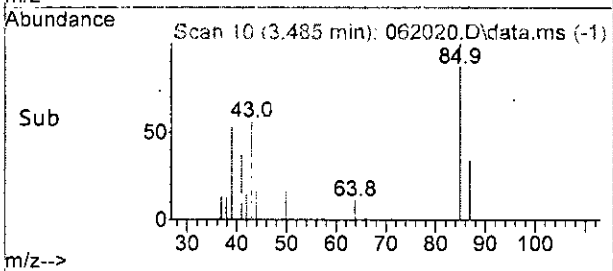
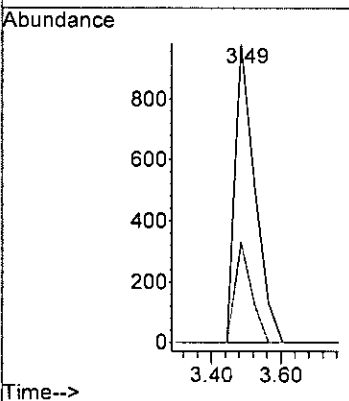
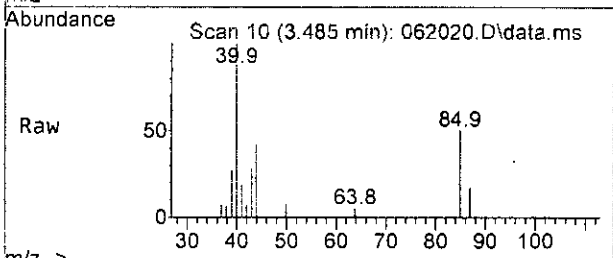
#2
 Propene
 Concen: 5.192 ppbv
 RT: 3.45 min Scan# 9
 Delta R.T. 0.039 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

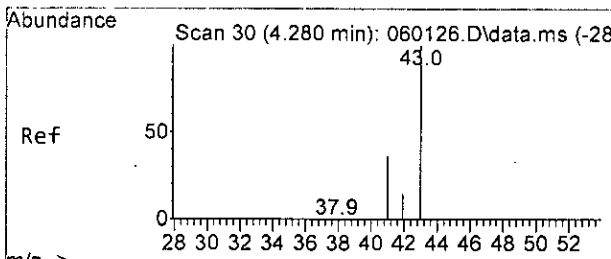
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 41 | 100 | | |
| 39 | 112.8 | 45.6 | 105.6# |
| 27 | 0.0 | 0.0 | 30.0 |



#3
 Dichlorodifluoromethane
 Concen: 0.481 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

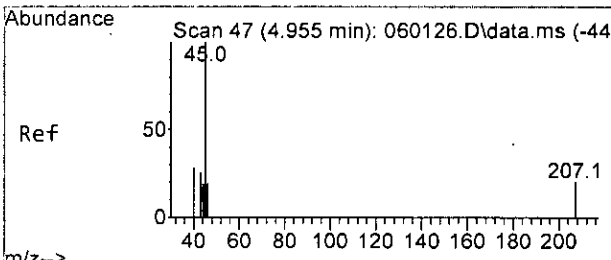
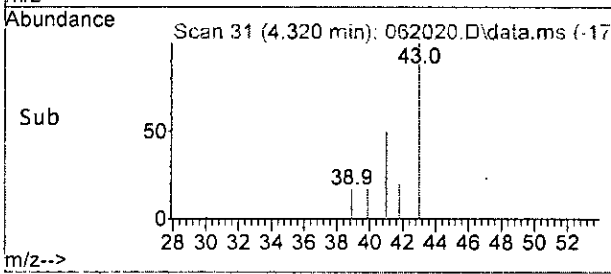
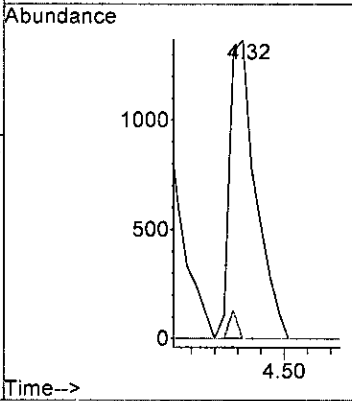
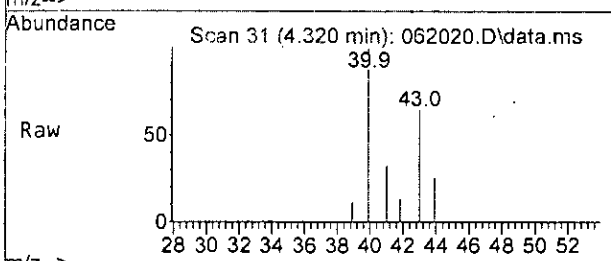
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 85 | 100 | | |
| 87 | 33.5 | 2.2 | 62.2 |





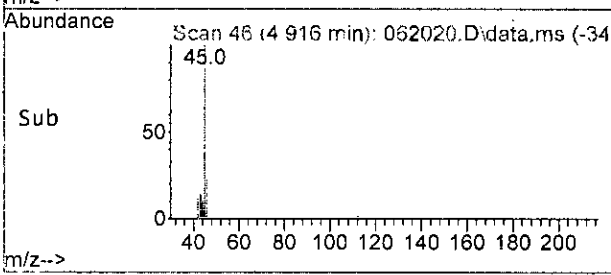
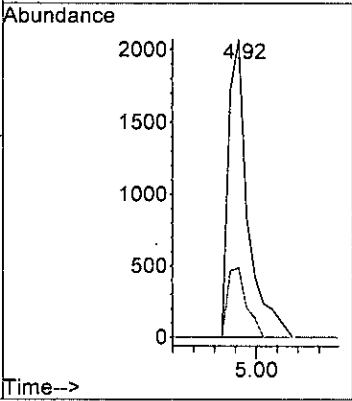
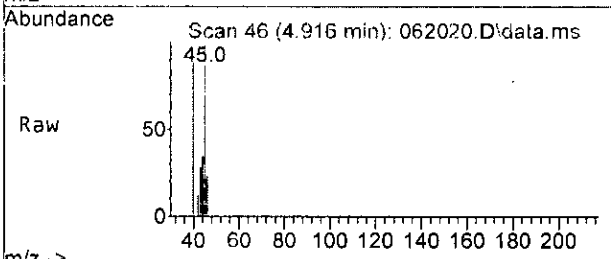
#8
 Butane
 Concen: 2.343 ppbv
 RT: 4.32 min Scan# 31
 Delta R.T. 0.040 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

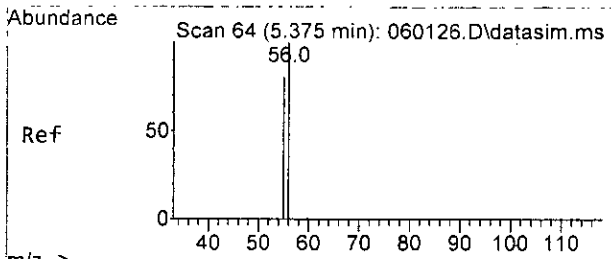
Tgt Ion: 43 Resp: 10708
 Ion Ratio Lower Upper
 43 100
 58 2.9 0.0 36.9



#12
 Ethanol
 Concen: 12.155 ppbv
 RT: 4.92 min Scan# 46
 Delta R.T. -0.039 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

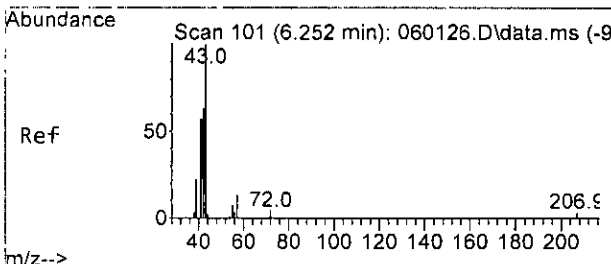
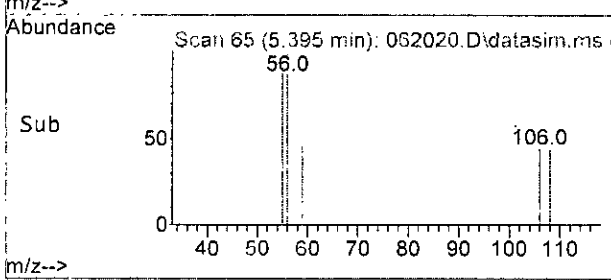
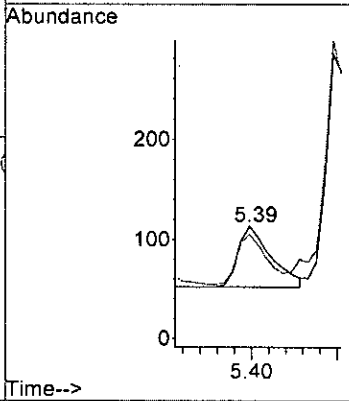
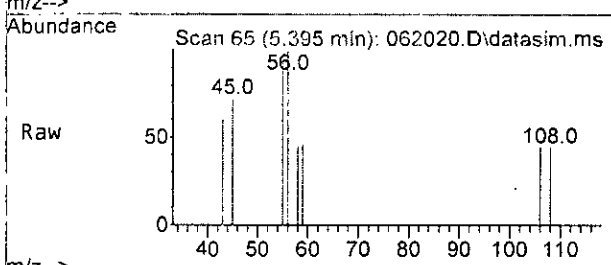
Tgt Ion: 45 Resp: 14487
 Ion Ratio Lower Upper
 45 100
 46 21.2 0.0 55.5





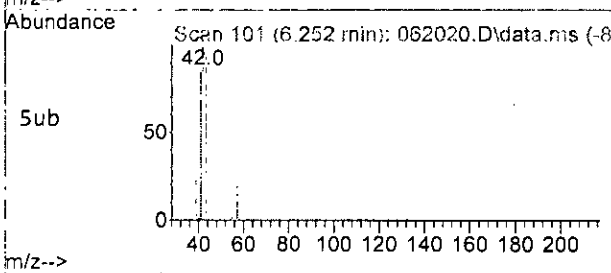
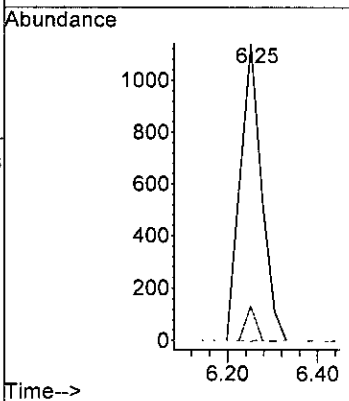
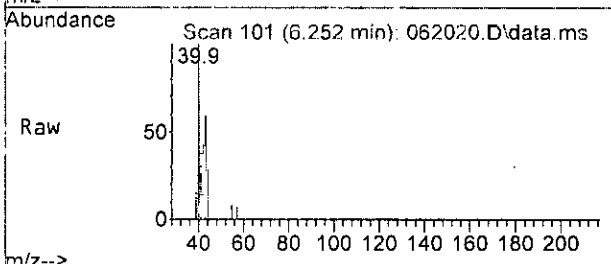
#13
 Acrolein
 Concen: 0.262 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

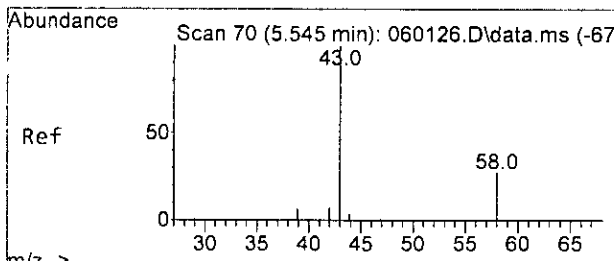
Tgt Ion: 56 Resp: 326
 Ion Ratio Lower Upper
 56 100
 55 151.5 51.0 111.0#



#14
 Pentane
 Concen: 0.718 ppbv
 RT: 6.25 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

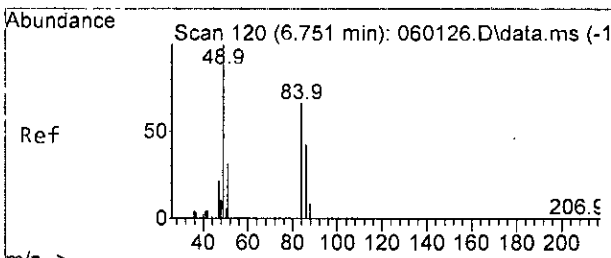
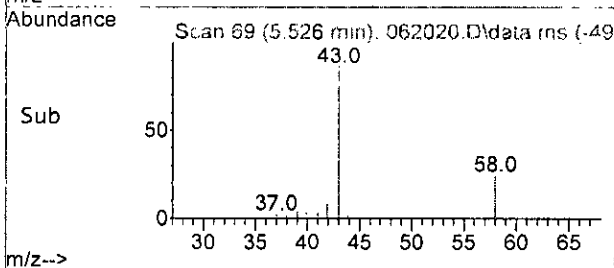
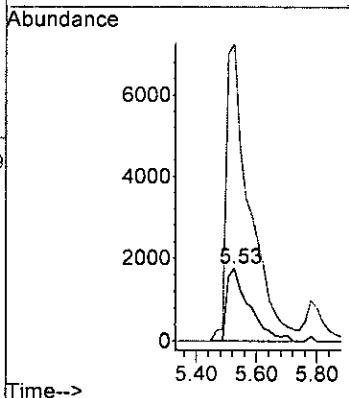
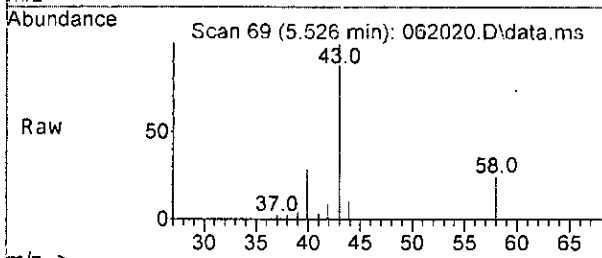
Tgt Ion: 43 Resp: 3719
 Ion Ratio Lower Upper
 43 100
 57 11.6 0.0 43.5
 72 0.0 0.0 34.2





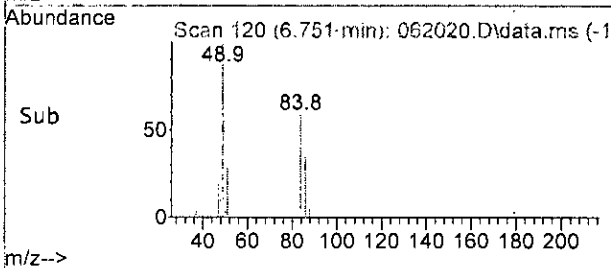
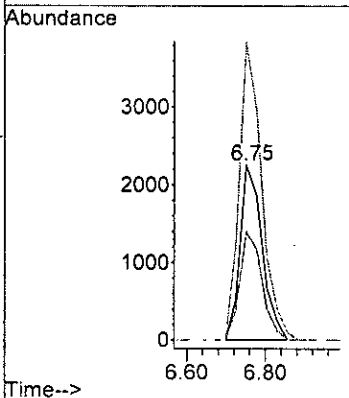
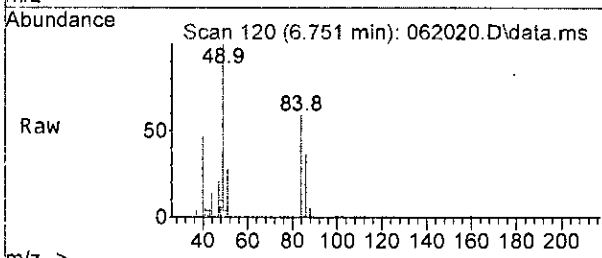
#16
 Acetone
 Concen: 7.003 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

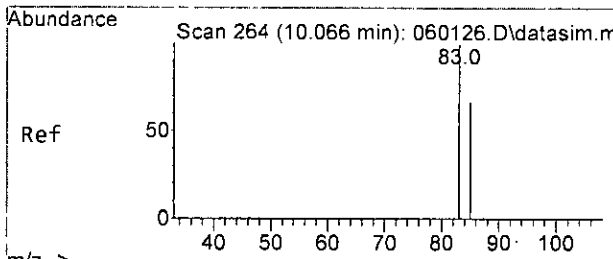
Tgt Ion: 58 Resp: 9041
 Ion Ratio Lower Upper
 58 100
 43 400.7 329.3 389.3#



#20
 Methylene chloride
 Concen: 3.156 ppbv
 RT: 6.75 min Scan# 120
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

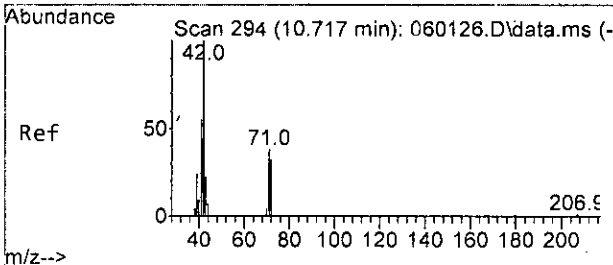
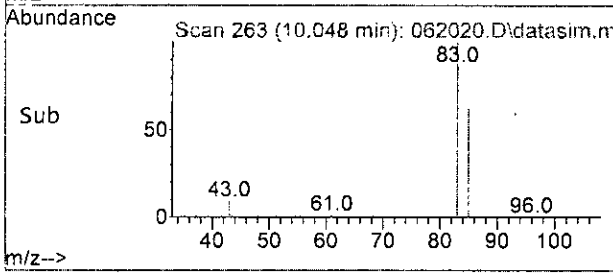
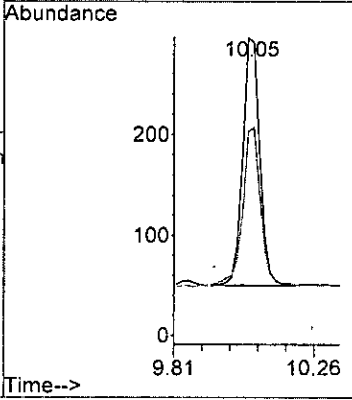
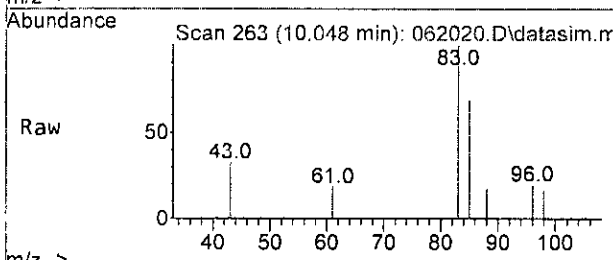
Tgt Ion: 84 Resp: 8774
 Ion Ratio Lower Upper
 84 100
 86 61.9 33.9 93.9
 49 170.7 116.6 176.6





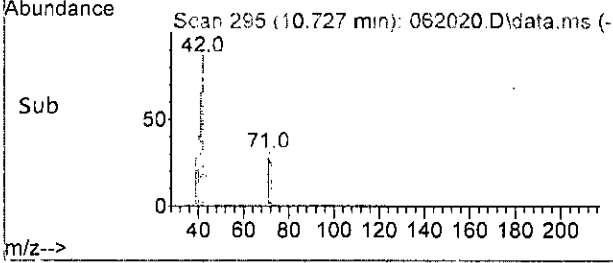
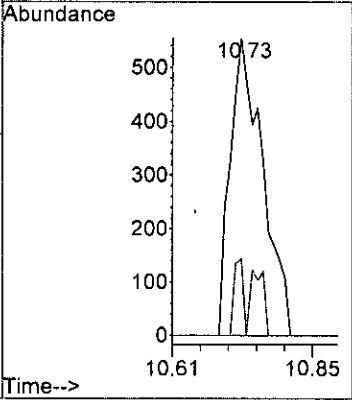
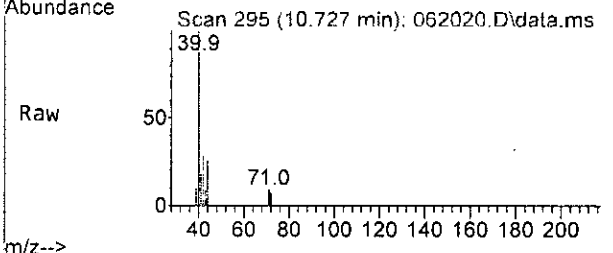
#30
 Chloroform
 Concen: 0.126 ppbv
 RT: 10.05 min Scan# 263
 Delta R.T. -0.018 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

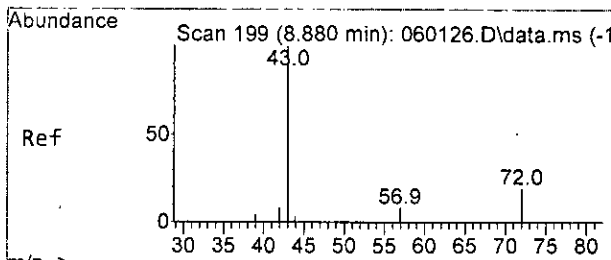
Tgt Ion: 83 Resp: 944
 Ion Ratio Lower Upper
 83 100
 85 61.9 36.3 96.3



#32
 Tetrahydrofuran
 Concen: 0.624 ppbv
 RT: 10.73 min Scan# 295
 Delta R.T. 0.010 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

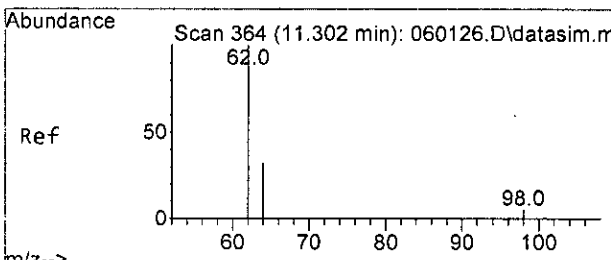
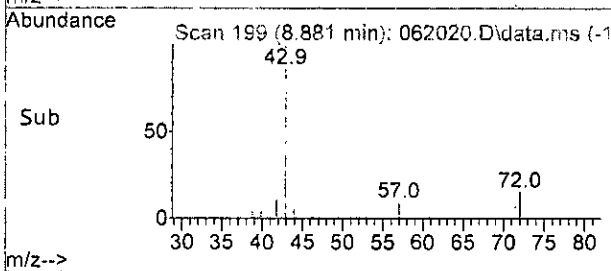
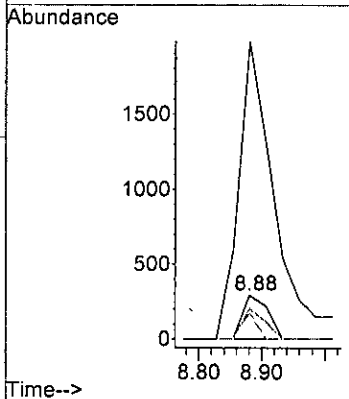
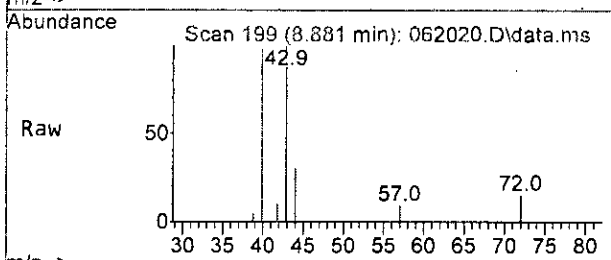
Tgt Ion: 42 Resp: 2156
 Ion Ratio Lower Upper
 42 100
 72 7.3 3.7 63.7





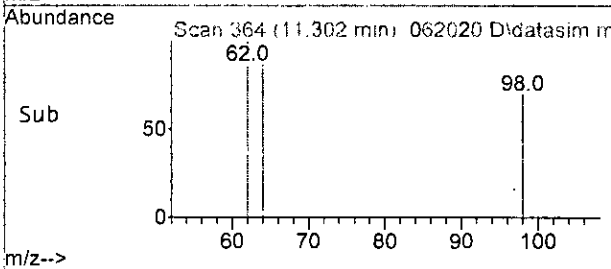
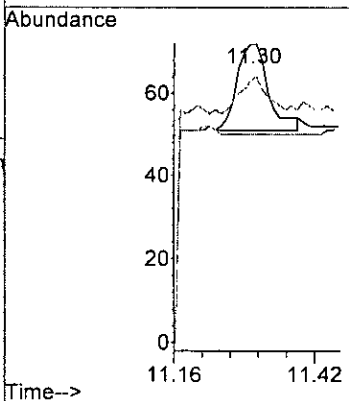
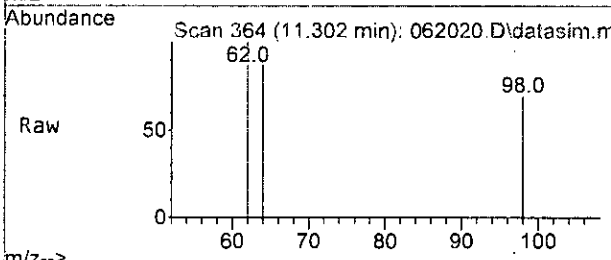
#33
 2-Butanone (MEK)
 Concen: 0.701 ppbv
 RT: 8.88 min Scan# 199
 Delta R.T. 0.001 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

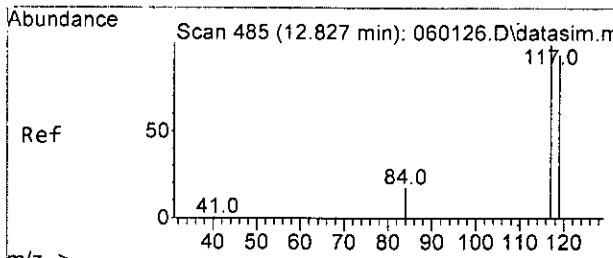
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 72 | 100 | | |
| 42 | 69.3 | 0.0 | 59.9# |
| 57 | 60.3 | 14.2 | 74.2 |
| 43 | 681.4 | 501.6 | 541.6# |



#34
 1,2-Dichloroethane (EDC)
 Concen: 0.018 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

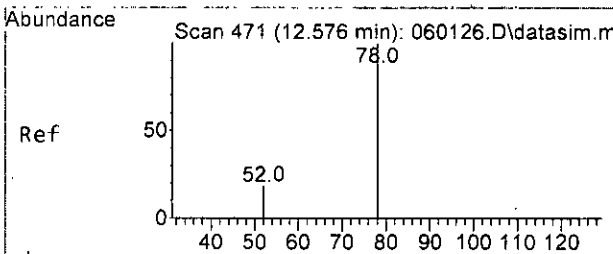
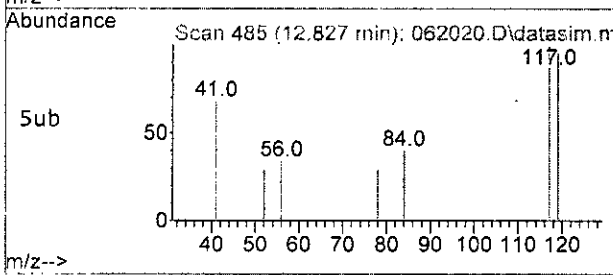
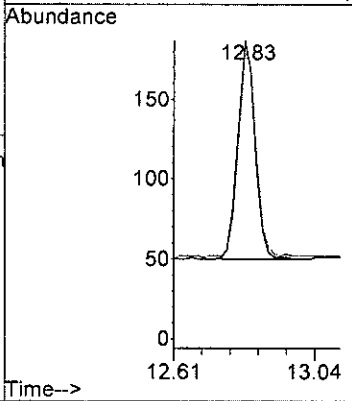
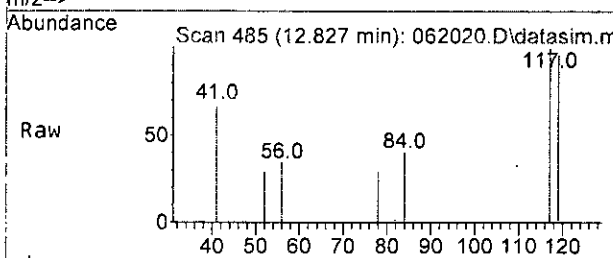
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 69.4 | 0.0 | 35.3# |
| 64 | 87.5 | 3.0 | 63.0# |





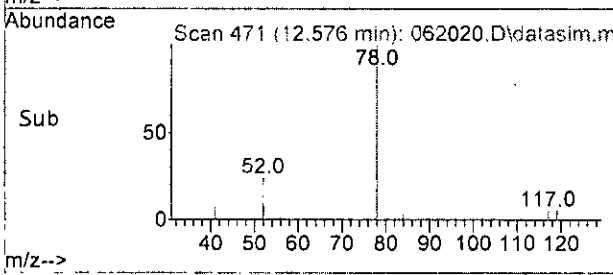
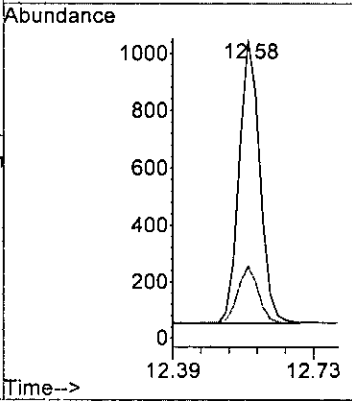
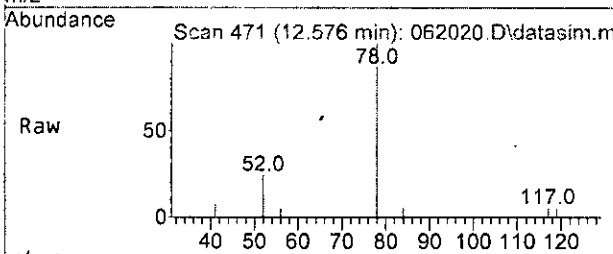
#36
 Carbon tetrachloride
 Concen: 0.075 ppbv
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

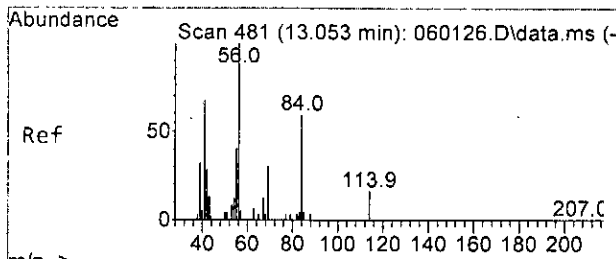
Tgt Ion: 117 Resp: 495
 Ion Ratio Lower Upper
 117 100
 119 93.4 64.6 124.6



#37
 Benzene
 Concen: 0.339 ppbv m
 RT: 12.58 min Scan# 471
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

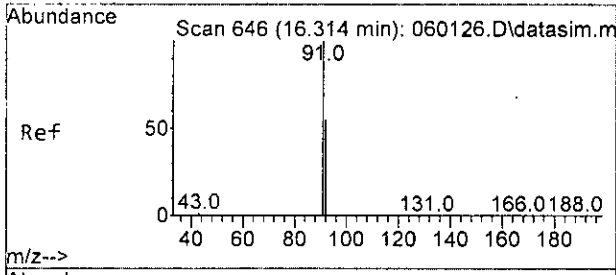
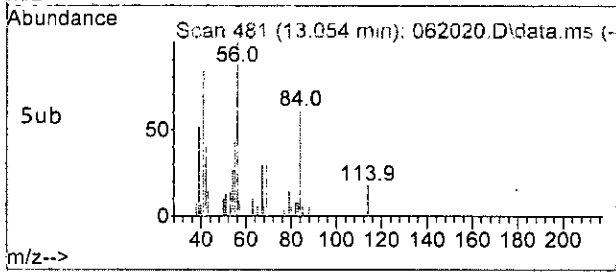
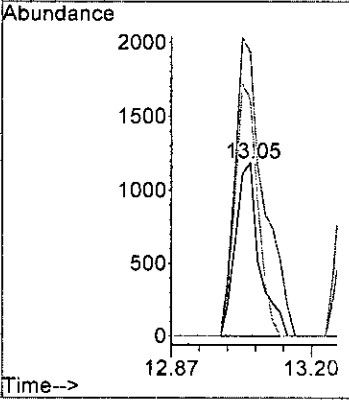
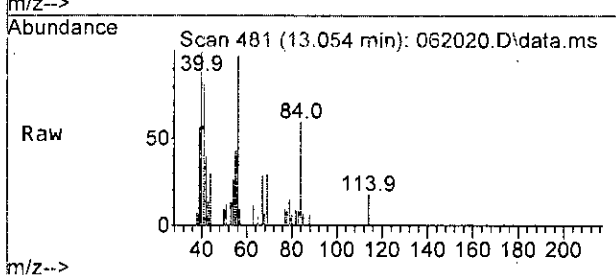
Tgt Ion: 78 Resp: 3472
 Ion Ratio Lower Upper
 78 100
 52 24.4 0.0 49.7





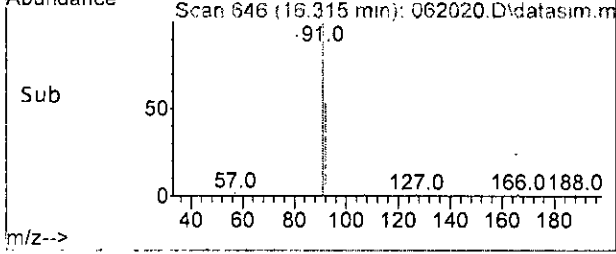
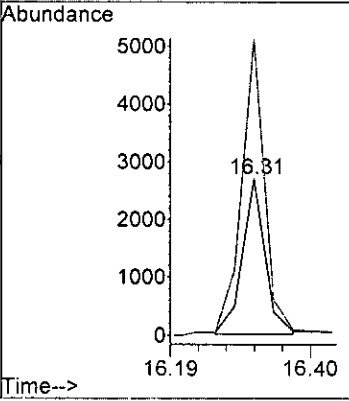
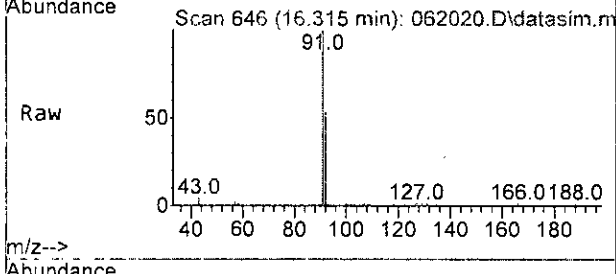
#38
 Cyclohexane
 Concen: 1.851 ppbv
 RT: 13.05 min Scan# 481
 Delta R.T. 0.001 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

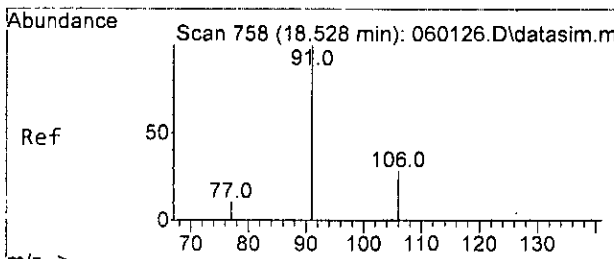
Tgt Ion: 84 Resp: 4697
 Ion Ratio Lower Upper
 84 100
 56 163.0 144.4 204.4
 41 136.3 77.2 137.2



#50
 Toluene
 Concen: 1.067 ppbv m
 RT: 16.31 min Scan# 646
 Delta R.T. 0.001 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

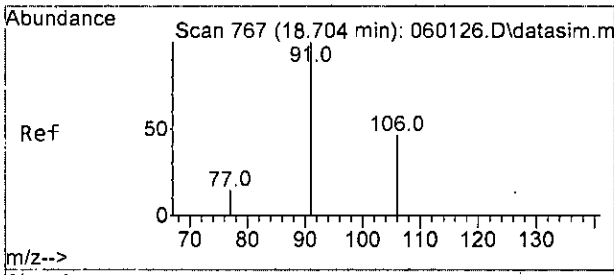
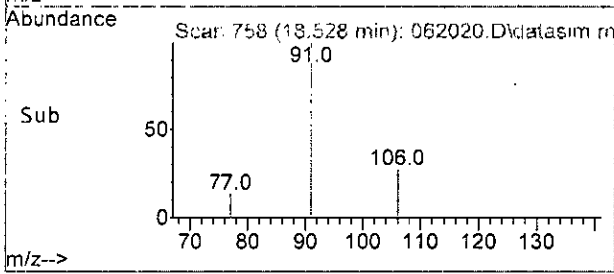
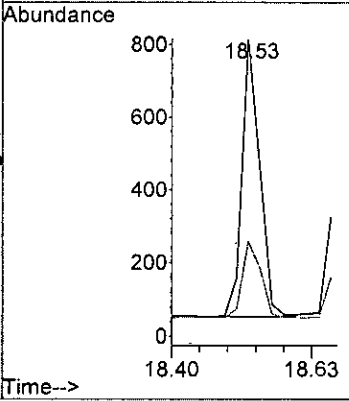
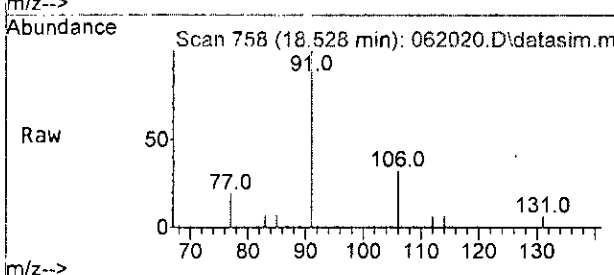
Tgt Ion: 92 Resp: 6003
 Ion Ratio Lower Upper
 92 100
 91 189.1 174.6 234.6





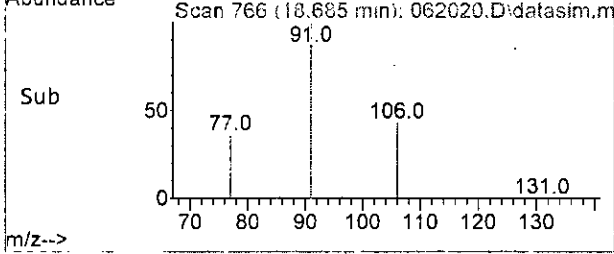
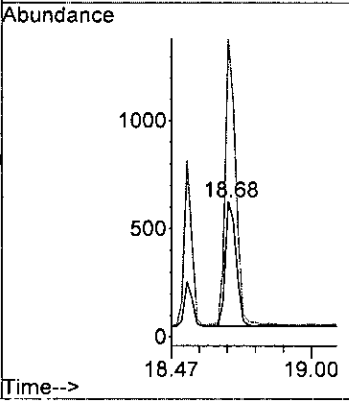
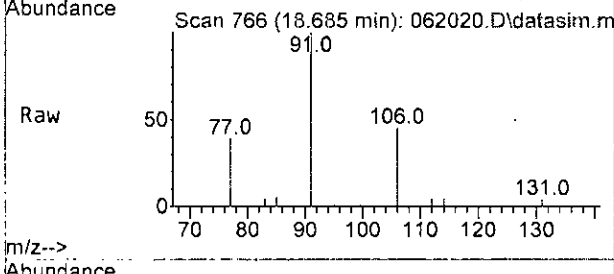
#58
Ethylbenzene
Concen: 0.137 ppbv
RT: 18.53 min Scan# 758
Delta R.T. 0.000 min
Lab File: 062020.D
Acq: 21 Jun 2023 2:25 am

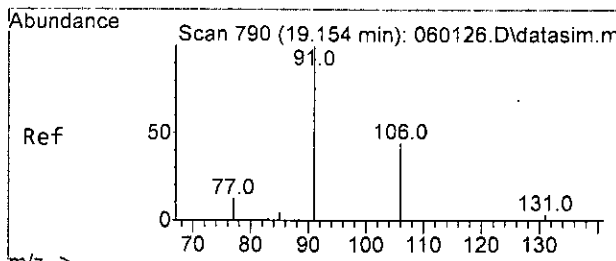
Tgt Ion: 91 Resp: 1528
Ion Ratio Lower Upper
91 100
106 27.1 0.0 57.0



#65
m,p-Xylene
Concen: 0.412 ppbv
RT: 18.68 min Scan# 766
Delta R.T. -0.019 min
Lab File: 062020.D
Acq: 21 Jun 2023 2:25 am

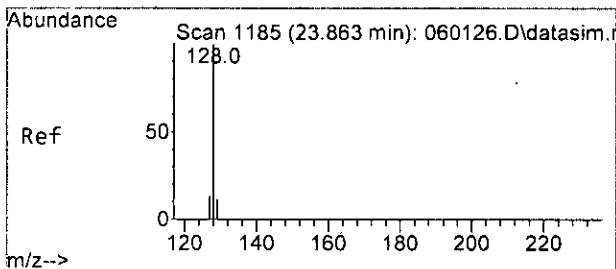
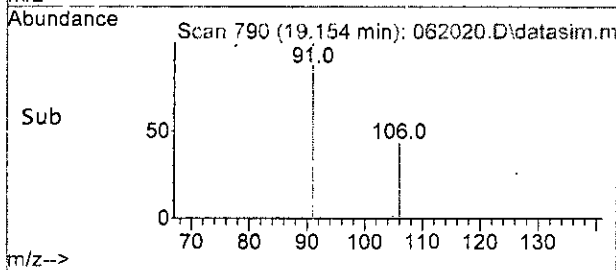
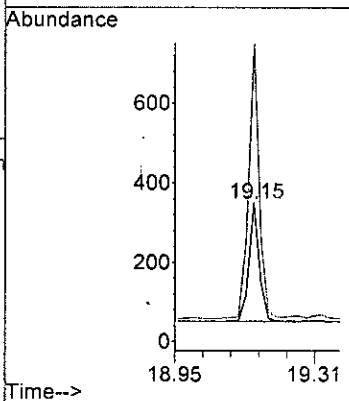
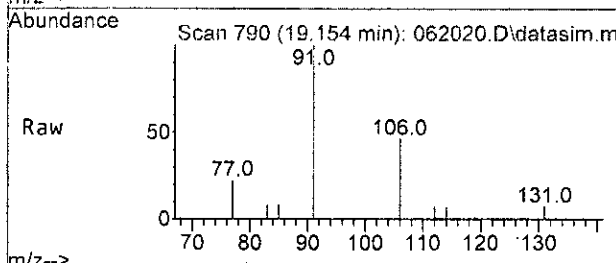
Tgt Ion: 106 Resp: 1647
Ion Ratio Lower Upper
106 100
91 231.2 193.0 253.0





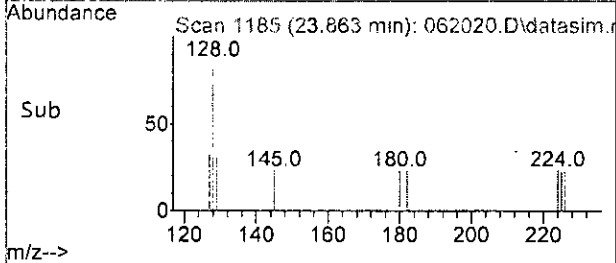
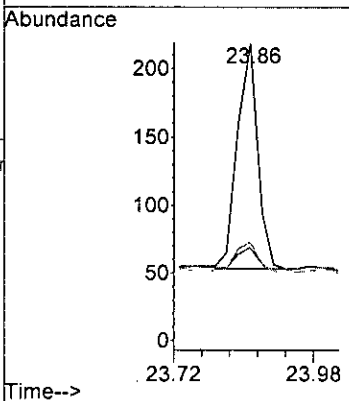
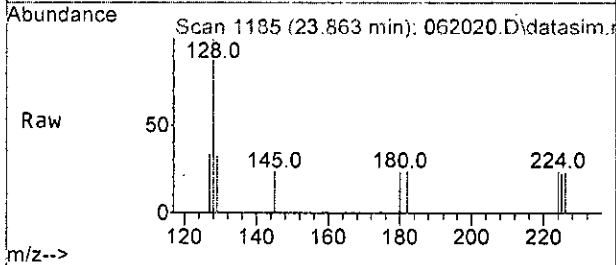
#66
 o-Xylene
 Concen: 0.165 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

Tgt Ion:106 Resp: 558
 Ion Ratio Lower Upper
 106 100
 91 232.9 194.4 254.4



#77
 Naphthalene
 Concen: 0.053 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062020.D
 Acq: 21 Jun 2023 2:25 am

Tgt Ion:128 Resp: 420
 Ion Ratio Lower Upper
 128 100
 129 9.7 0.0 41.0
 127 13.3 0.0 43.2



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.85 | 128 | 18725 | 10.000 | ppbv | #-0.02 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 70994 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64363 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 42386 | 9.291 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 92.90% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 12575 | 5.192 | ppbv | # 56 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3879 | 0.481 | ppbv | 98 |
| 4) Chloromethane | 3.69 | 50 | 1483 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 4.32 | 43 | 10708 | 2.343 | ppbv | 88 |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.92 | 45 | 14487 | 12.155 | ppbv | 91 |
| 13] Acrolein | 5.39 | 56 | 326m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3719 | 0.718 | ppbv | 93 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 1347 | N.D. | | |
| 16) Acetone | 5.53 | 58 | 9041 | 7.003 | ppbv | # 81 |
| 17) 2-Propanol | 5.78 | 45 | 8784 | N.D. | | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 8.07 | 96 | 20 | N.D. | | |
| 20) Methylene chloride | 6.75 | 84 | 8774 | 3.156 | ppbv | 86 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 163 | N.D. | | |
| 22) 3-Chloropropene | 6.75 | 41 | 518 | N.D. | | |
| 23) CFC-113 | 7.15 | 101 | 180 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 1124 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 9.99 | 57 | 1171 | N.D. | | |
| 30] Chloroform | 10.05 | 83 | 944 | 0.126 | ppbv | 95 |
| 31) Ethyl acetate | 9.97 | 43 | 2479 | N.D. | | |
| 32) Tetrahydrofuran | 10.73 | 42 | 2156 | 0.624 | ppbv | 54 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 796 | 0.701 | ppbv | # 45 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 87m | 0.018 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.51 | 97 | 135 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 495 | 0.075 | ppbv | 99 |
| 37] Benzene | 12.58 | 78 | 3472m | 0.339 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4697 | 1.851 | ppbv | 84 |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

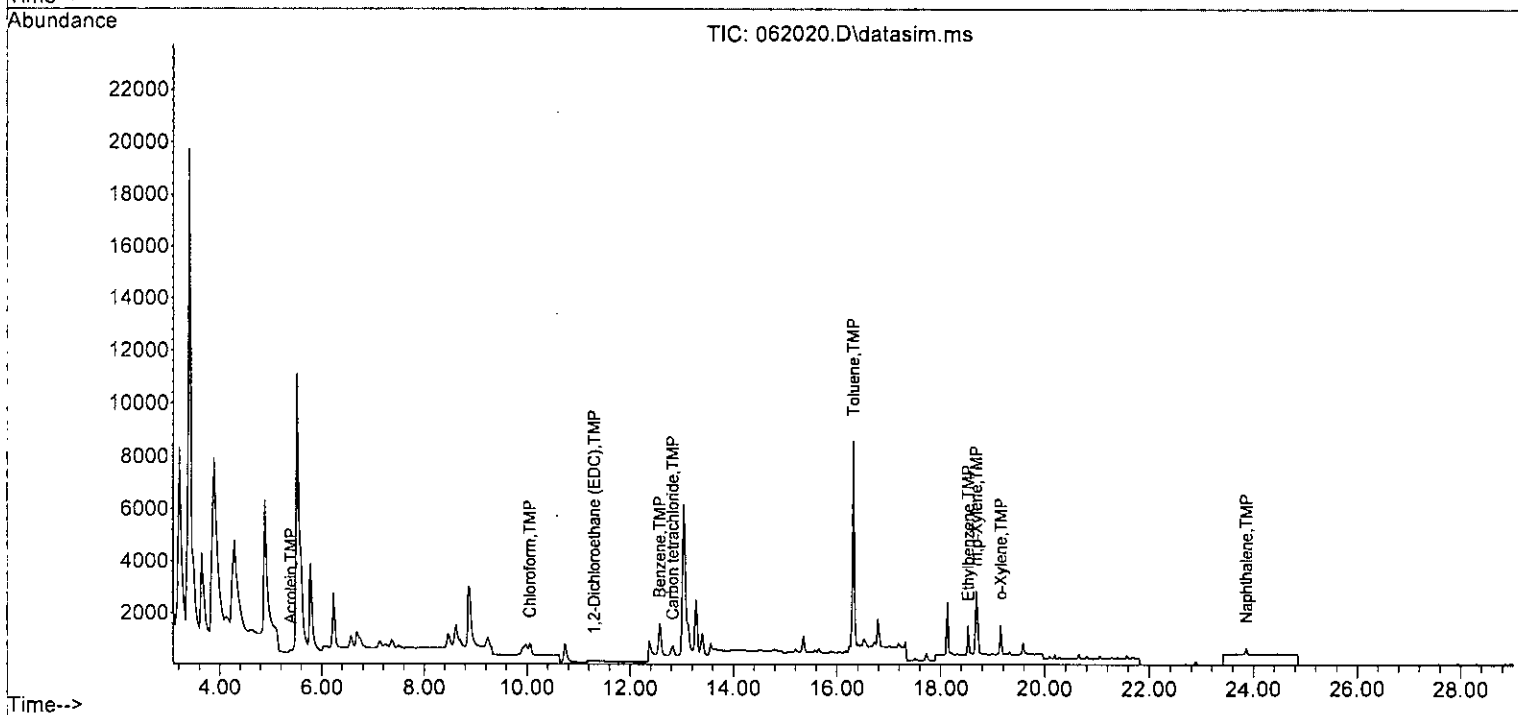
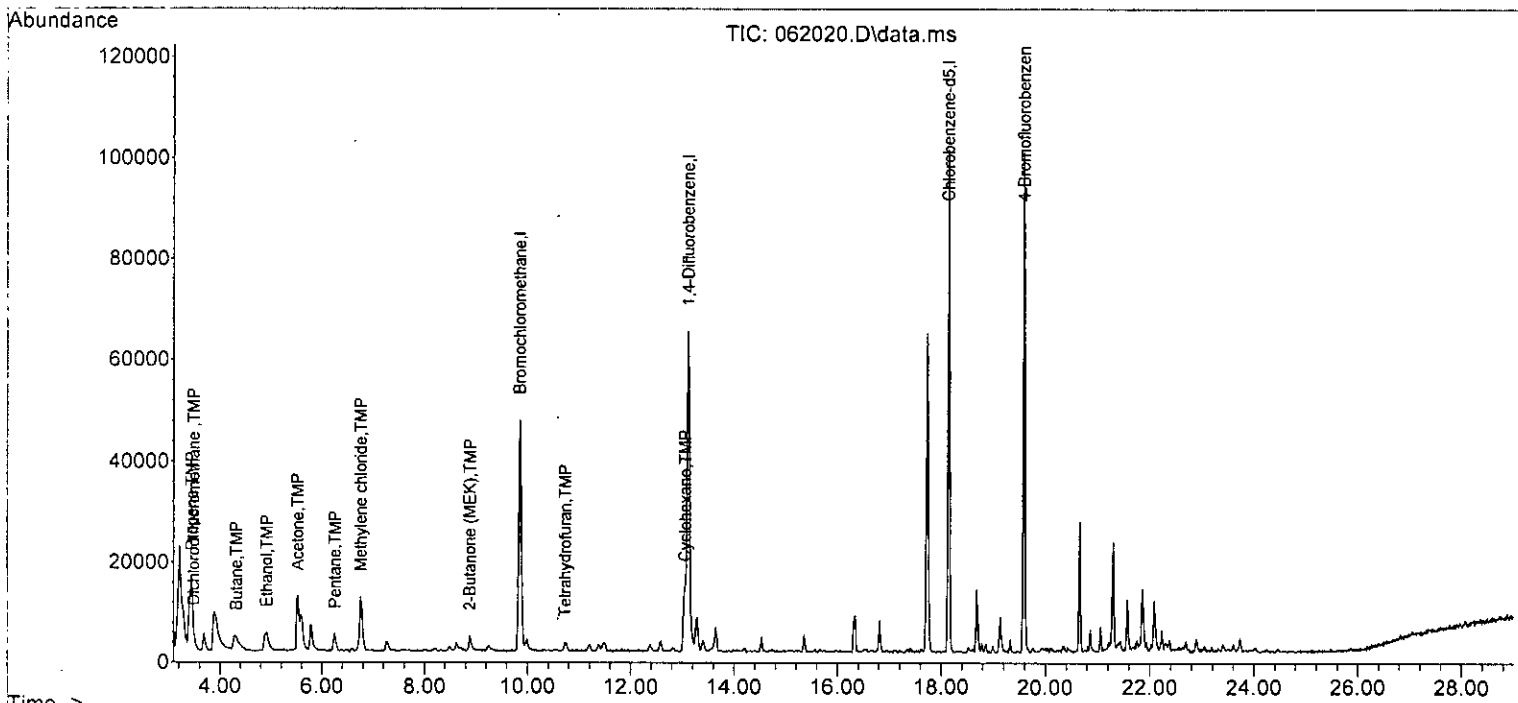
Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 14.19 | 57 | 514 | | N.D. | |
| 43) Methyl methacrylate | 14.21 | 41 | 517 | | N.D. | |
| 44) Heptane | 14.53 | 43 | 1632 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | d |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50] Toluene | 16.31 | 92 | 6003m | 1.067 | ppbv | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.56 | 43 | 828 | | N.D. | |
| 53) Tetrachloroethene | 17.52 | 164 | 118 | | N.D. | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 1528 | 0.137 | ppbv | 100 |
| 59) 1,1,2,2-Tetrachloroethane | 18.98 | 83 | 32 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 1136 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 282 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.20 | 91 | 206 | | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 779 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 1647 | 0.412 | ppbv | 95 |
| 66] o-Xylene | 19.15 | 106 | 558 | 0.165 | ppbv | 95 |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. | d |
| 71) 1,3,5-Trimethylbenzene | 20.81 | 105 | 653 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 653 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 70 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 70 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 21.05 | 146 | 63 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 420 | 0.053 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062020.D
 Acq On : 21 Jun 2023 2:25 am
 Operator : bat
 Sample : 306242-04 dup
 Misc : T7
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

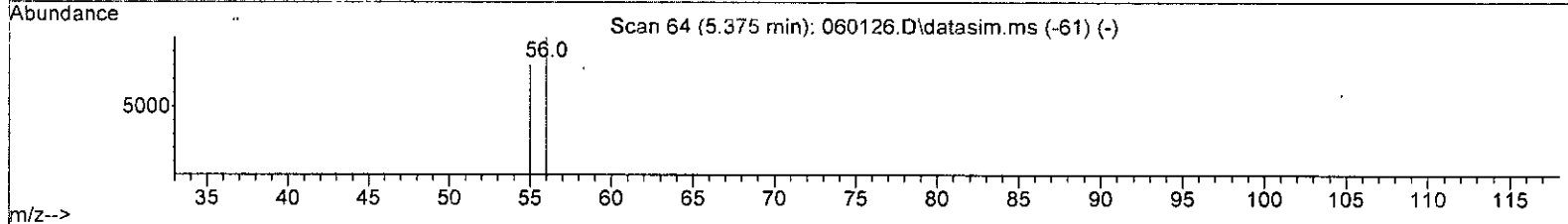
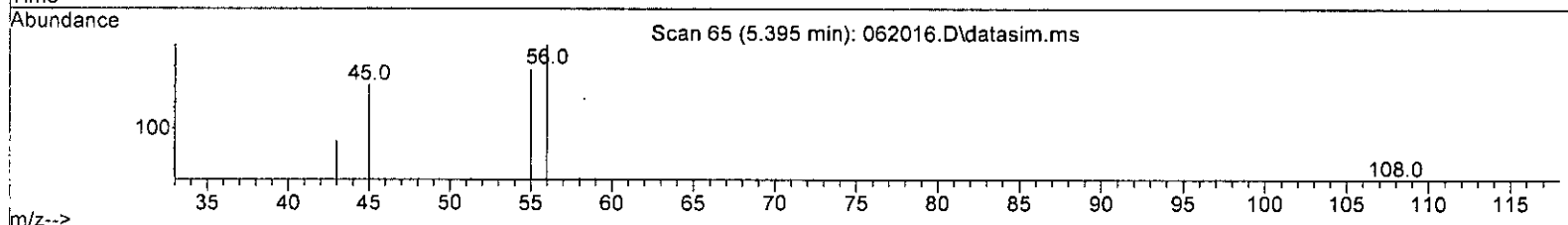
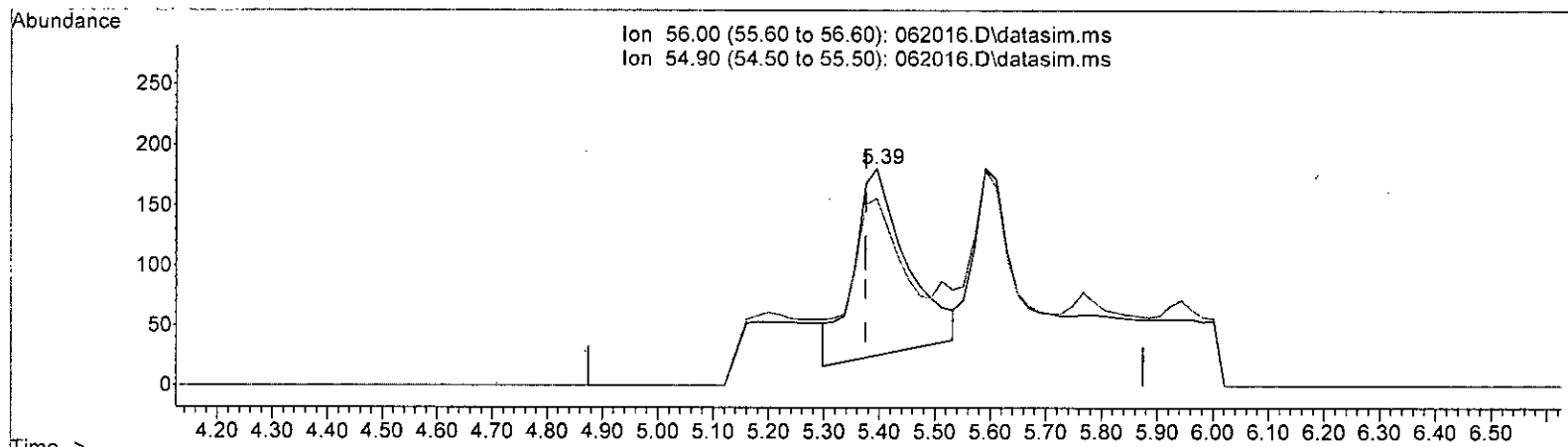


EPA TO-15 Sample Data

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062016.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.797 ppbv

response 1034

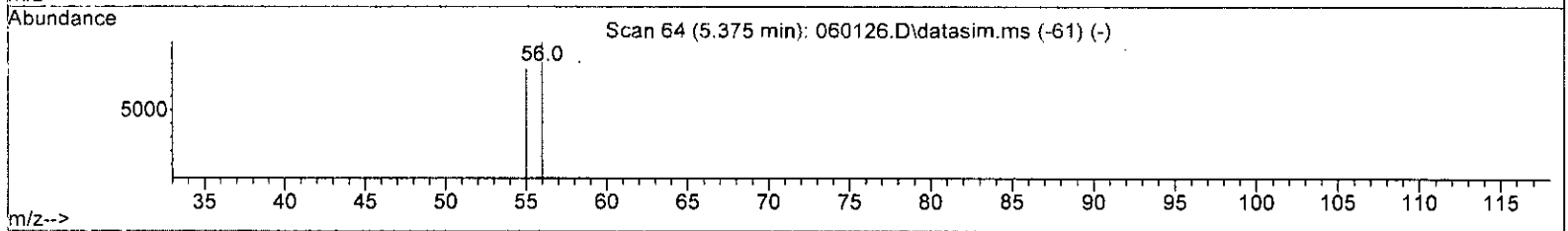
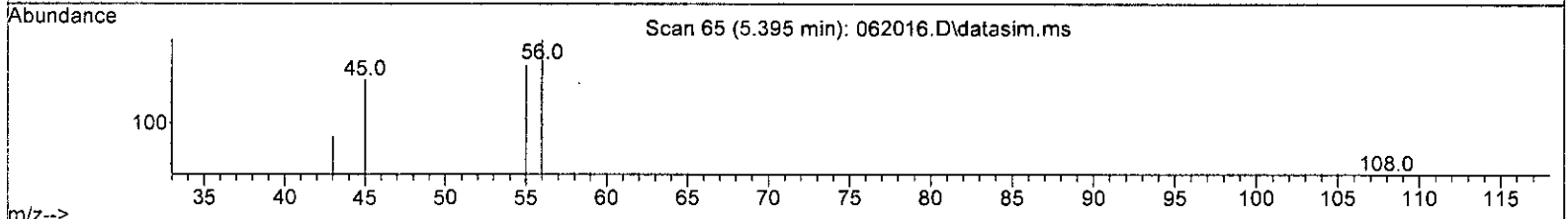
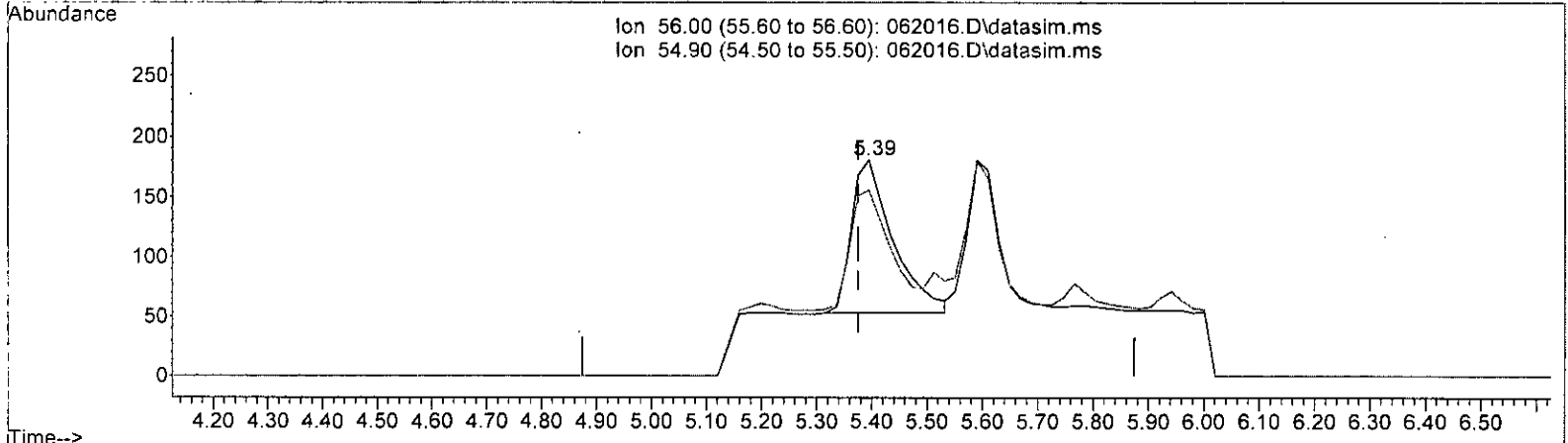
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 84.43 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.515 ppbv m

response 668

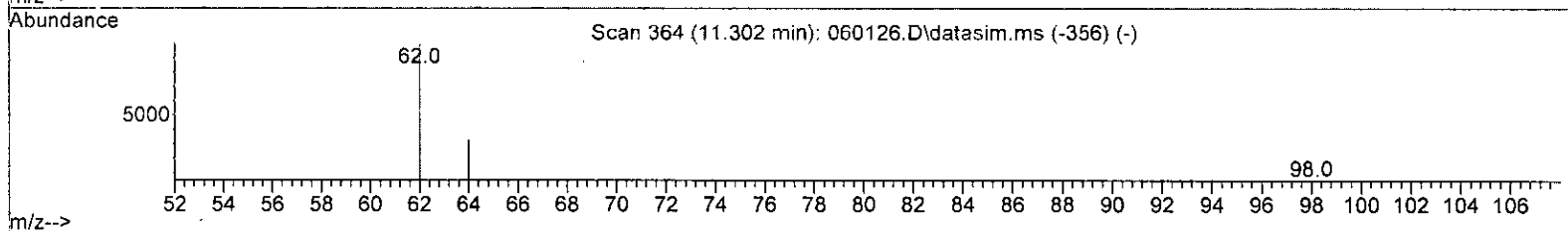
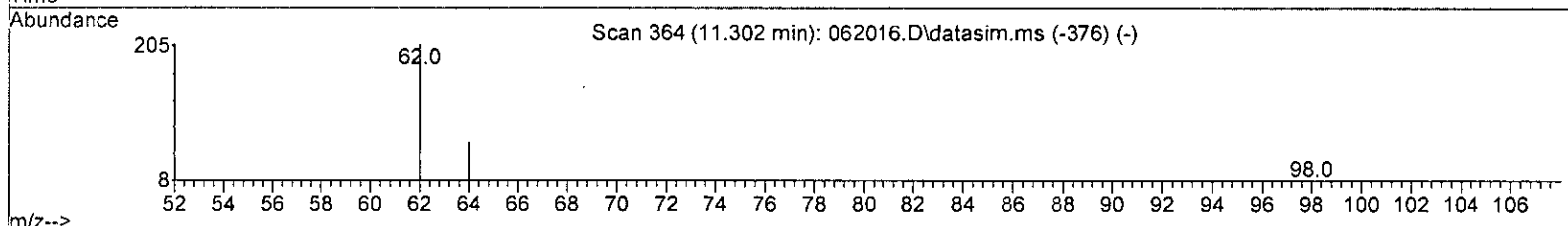
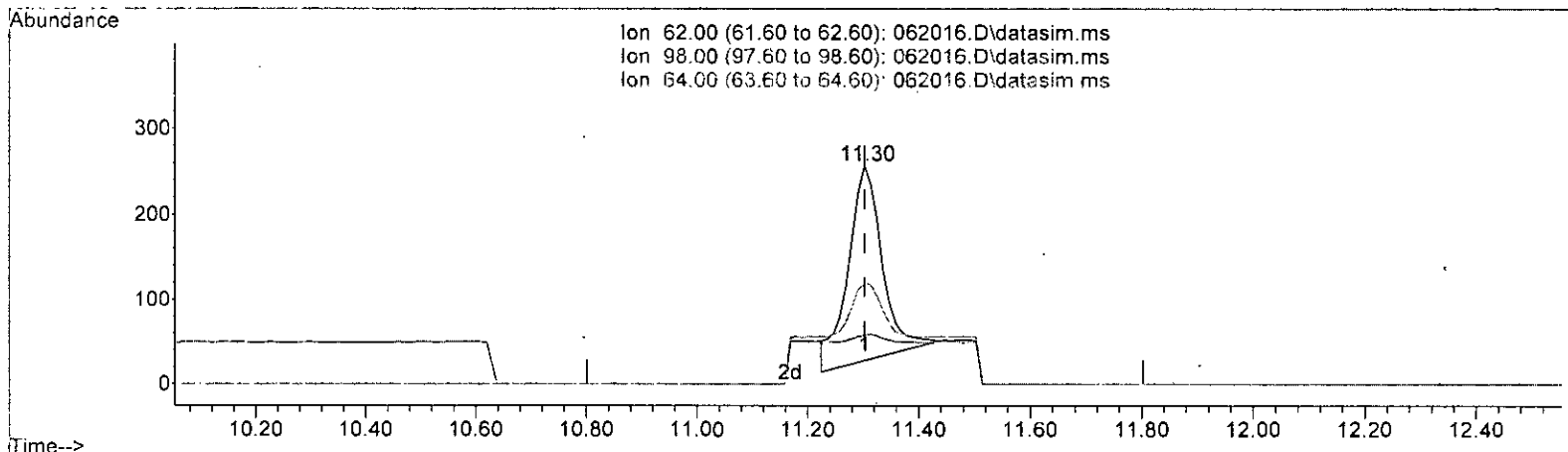
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 130.69# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
06/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 55 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062016.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.195 ppbv

response 978

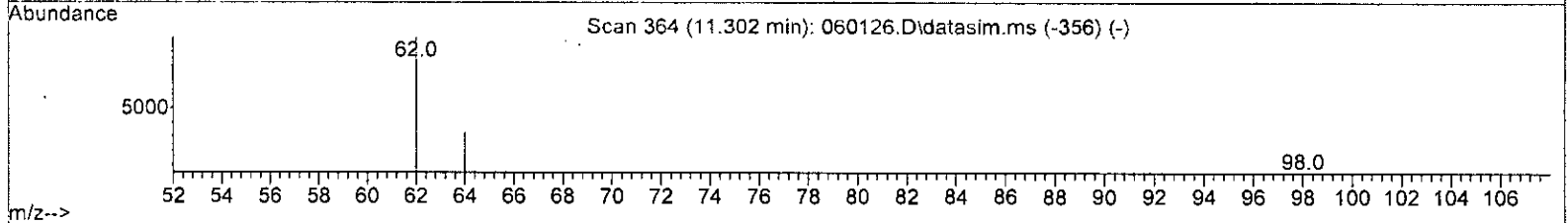
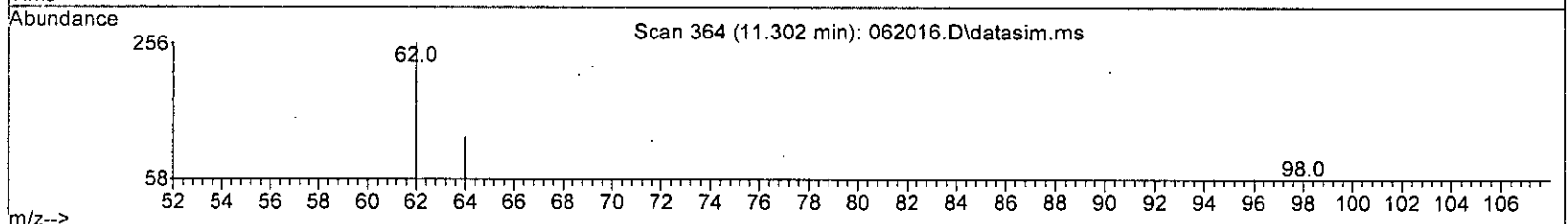
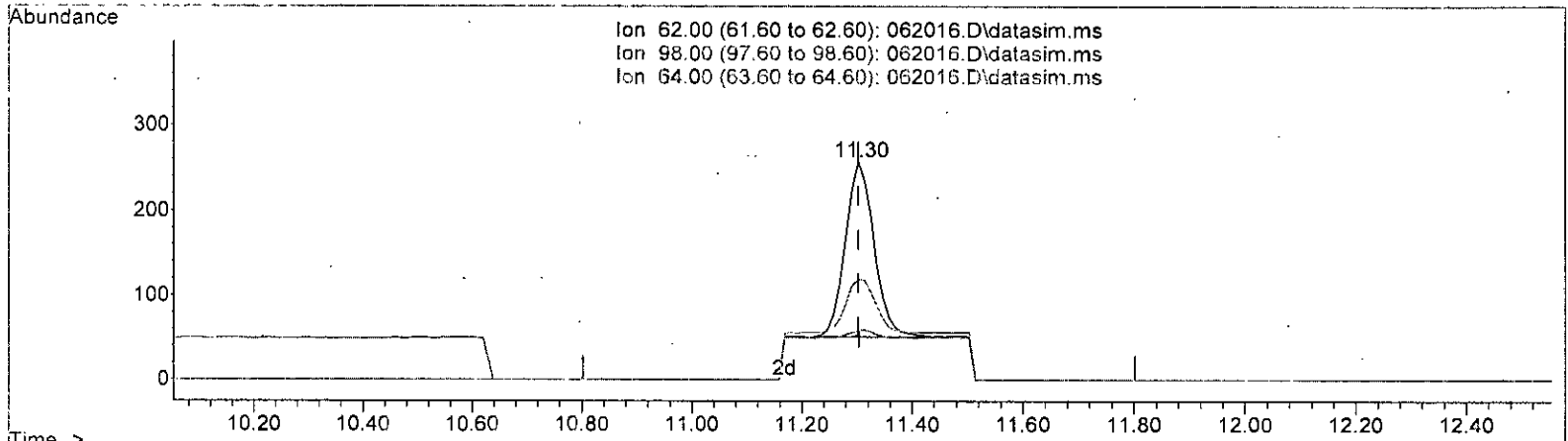
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 4.37 |
| 64.00 | 32.00 | 30.58 |
| 0.00 | 0.00 | 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062016.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.148 ppbv m

response 743

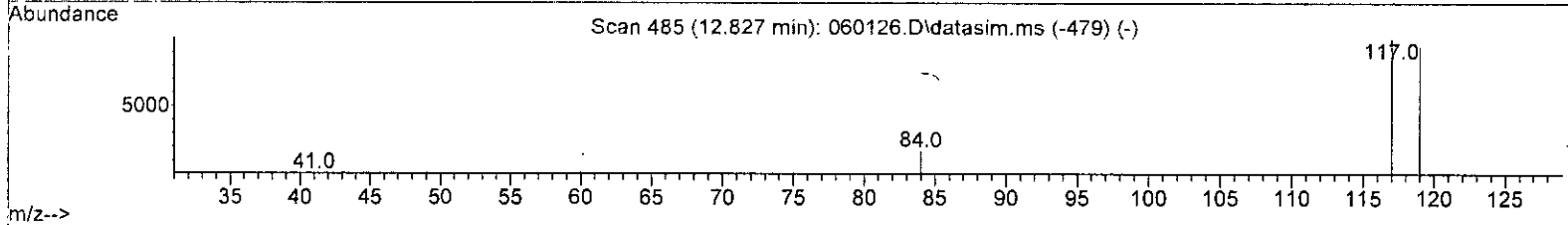
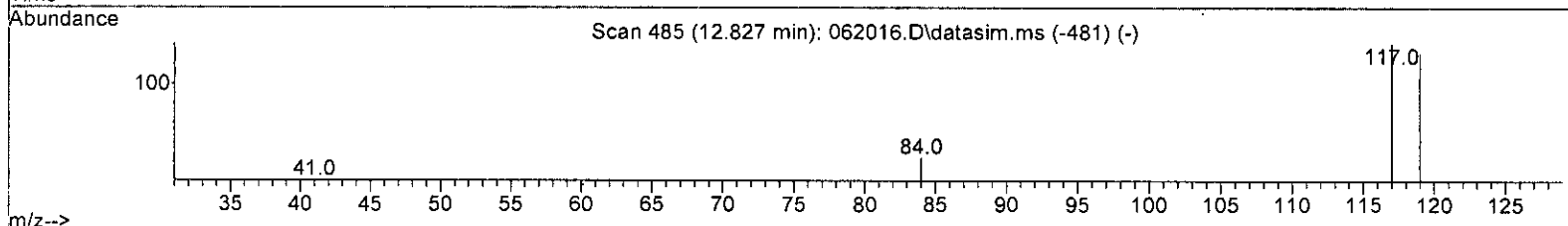
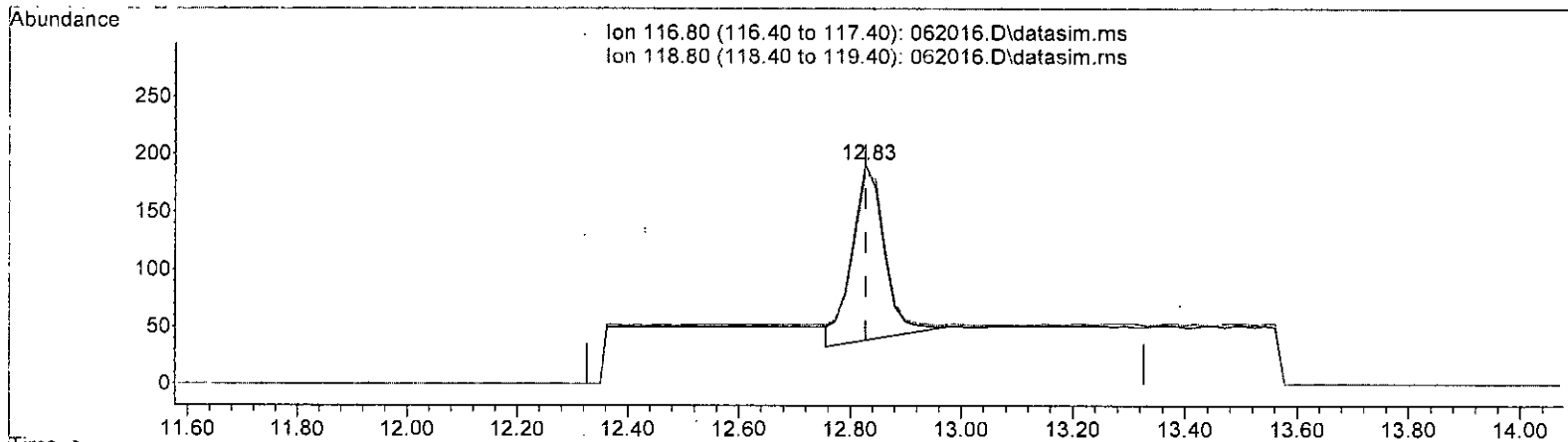
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 22.57 |
| 64.00 | 33.00 | 46.30 |
| 0.00 | 0.00 | 0.00 |

*MD
6/21/23*

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

(36) Carbon tetrachloride (TMP)
 12.827min (-0.000) 0.089 ppbv

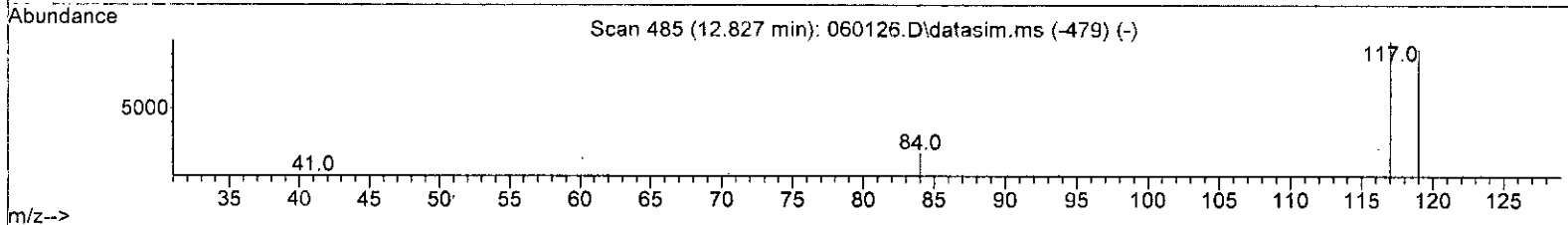
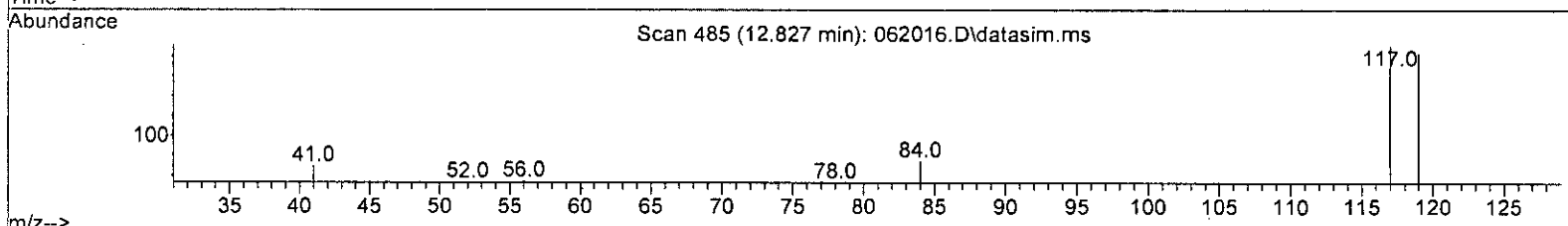
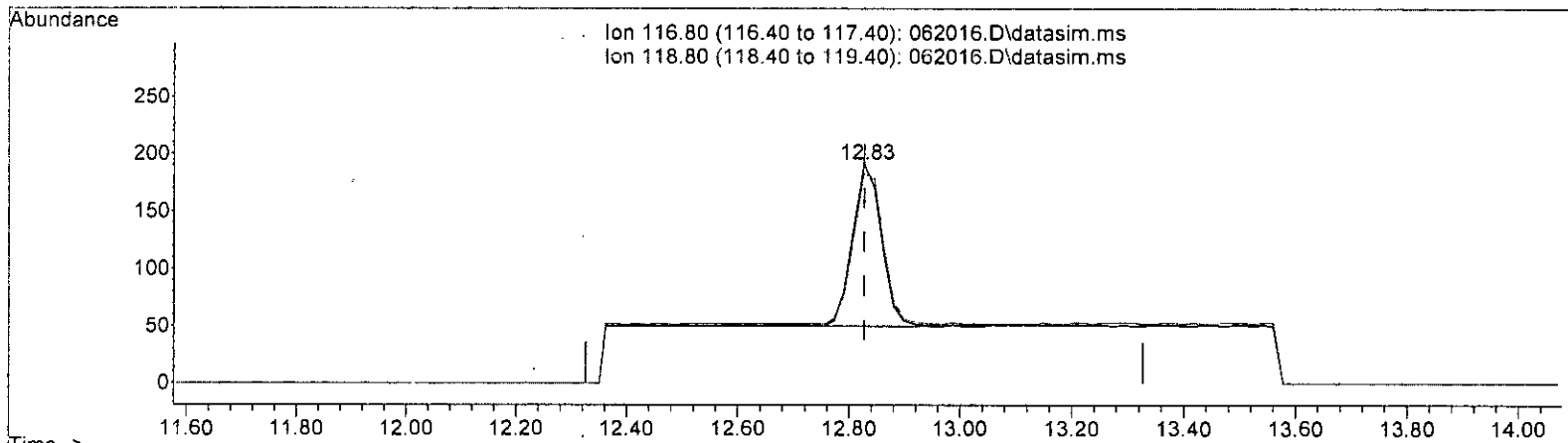
| response | 616 |
|----------|---------------|
| Ion | Exp% Act% |
| 116.80 | 100.00 100.00 |
| 118.80 | 94.60 92.91 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

(36) Carbon tetrachloride (TMP)
 12.827min (-0.000) 0.073 ppbv m

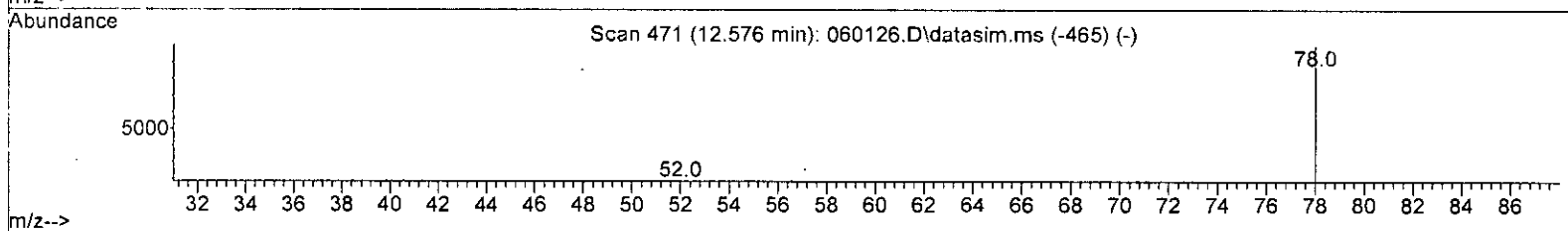
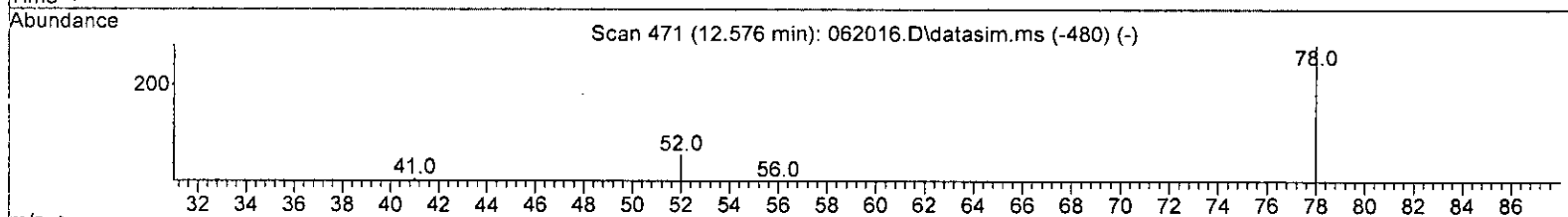
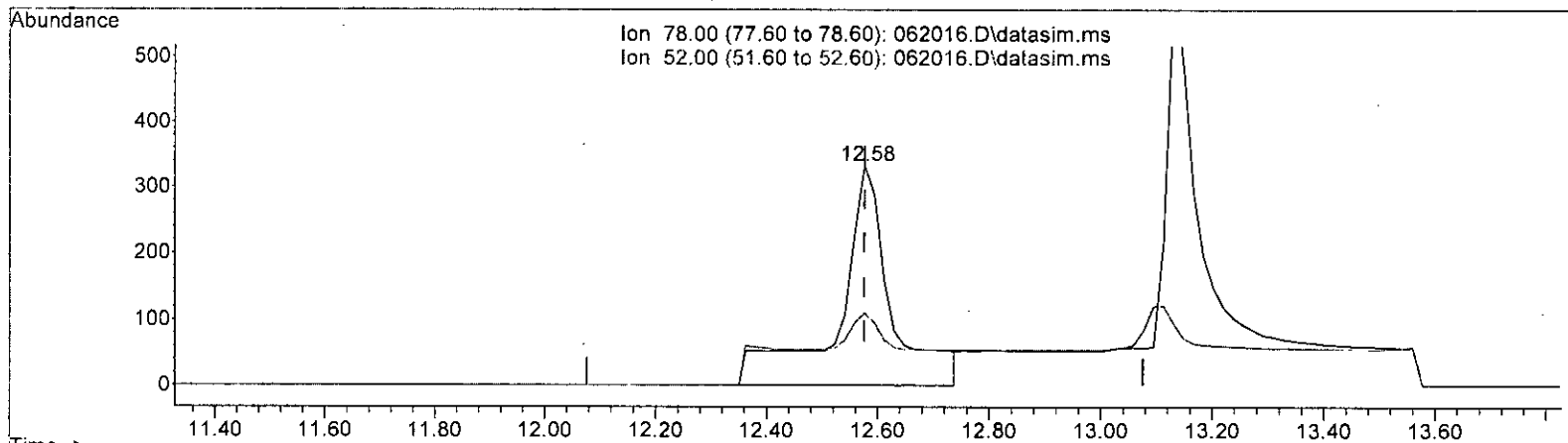
| response | 506 |
|----------|---------------|
| Ion | Exp% Act% |
| 116.80 | 100.00 100.00 |
| 118.80 | 94.60 95.81 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

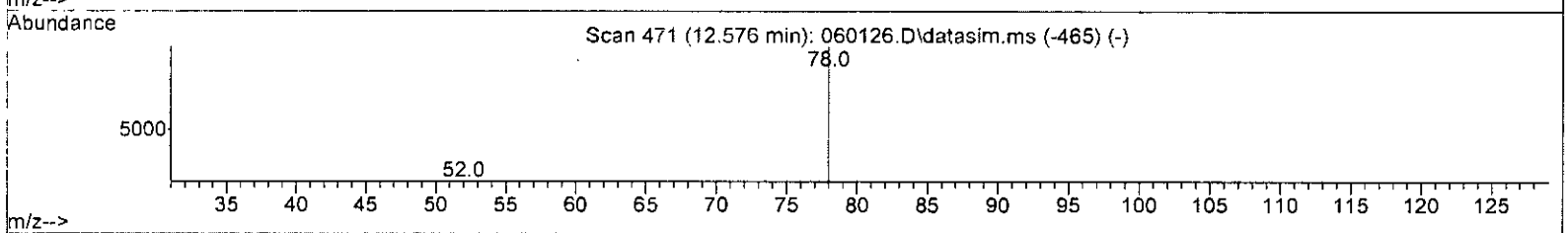
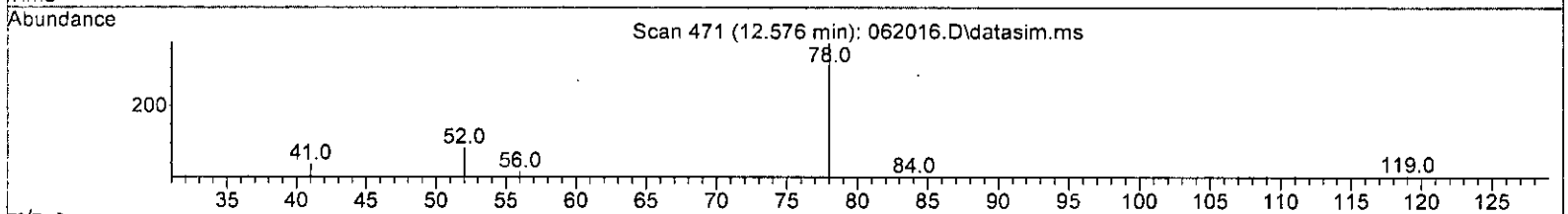
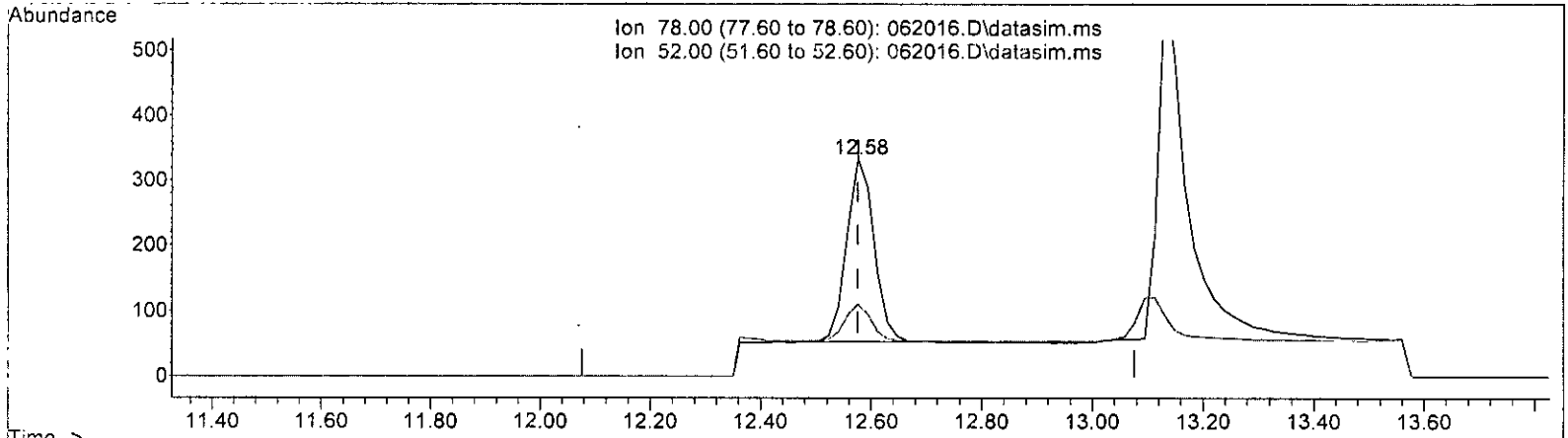
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|--|
| 12.576min (+ 0.000) | 0.200 | ppbv | |
| response | 2139 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.78 | 33.03 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
07/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

(37) Benzene (TMP)

12.576min (+ 0.000) 0.090 ppbv m

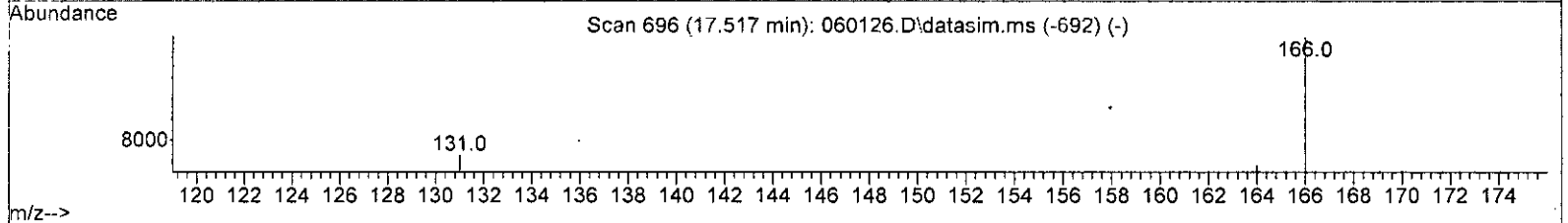
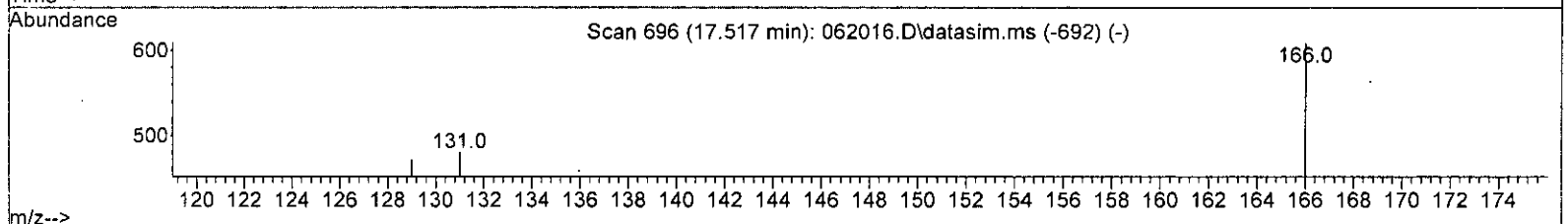
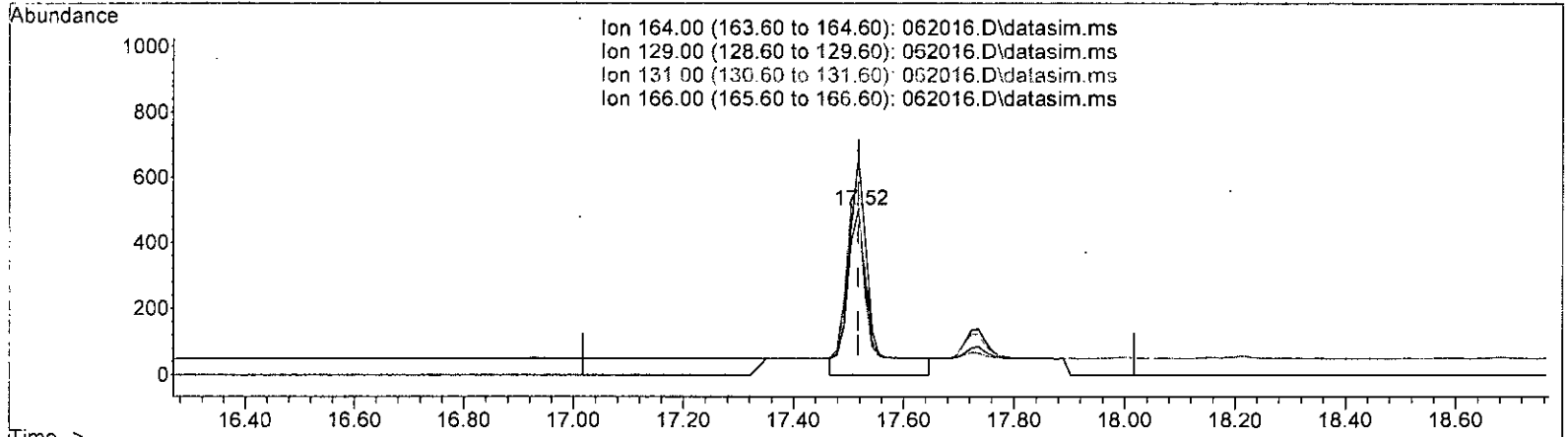
| Ion | Exp% | Act% |
|-------|--------|--------|
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 33.03 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 10/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062016.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.442 ppbv

response 1476

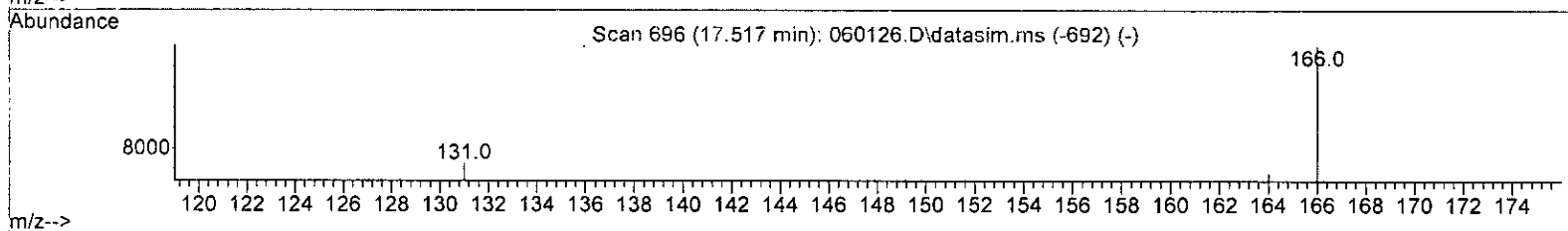
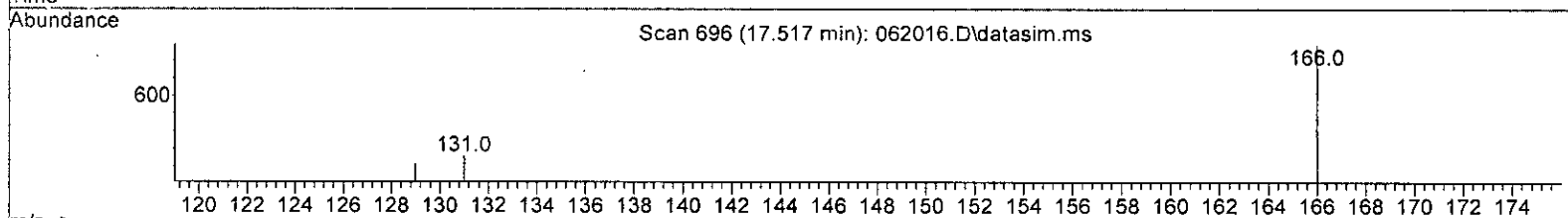
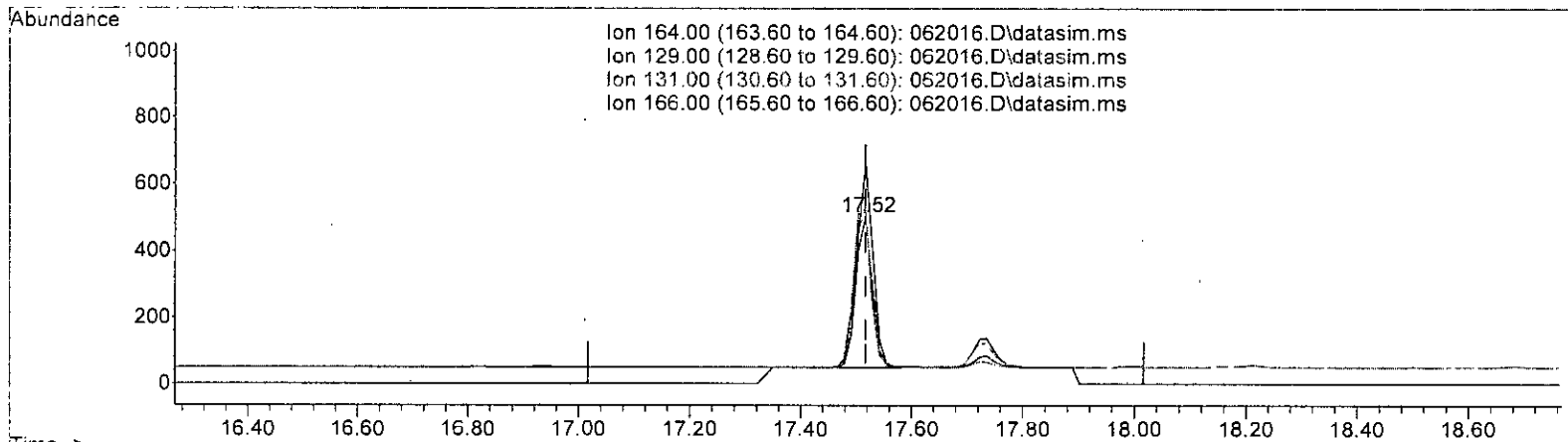
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.42 |
| 131.00 | 100.70 | 106.19 |
| 166.00 | 137.50 | 134.51 |

MD
07/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062016.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.283 ppbv m

| response | 943 |
|----------|---------------|
| Ion | Exp% Act% |
| 164.00 | 100.00 100.00 |
| 129.00 | 93.20 103.98 |
| 131.00 | 100.70 105.78 |
| 166.00 | 137.50 131.08 |

MD 6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

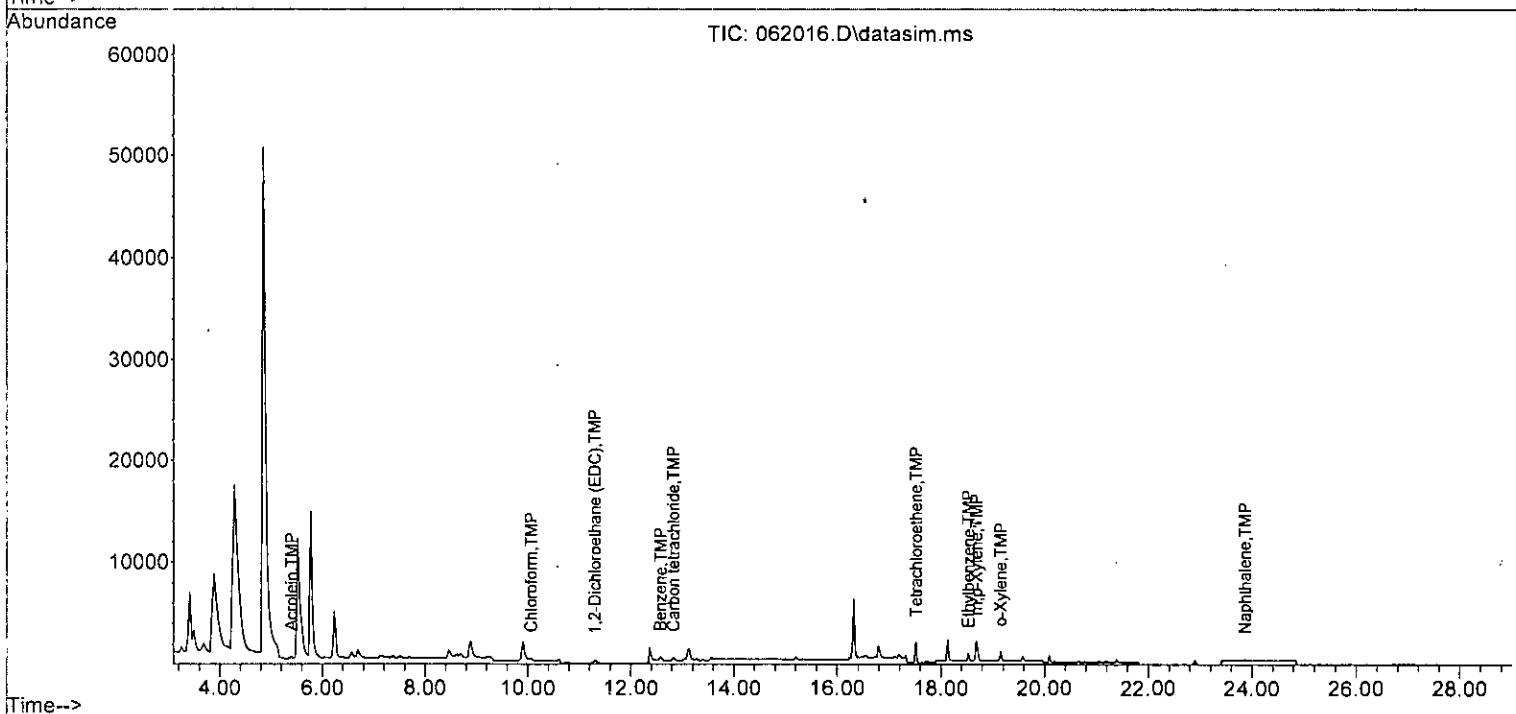
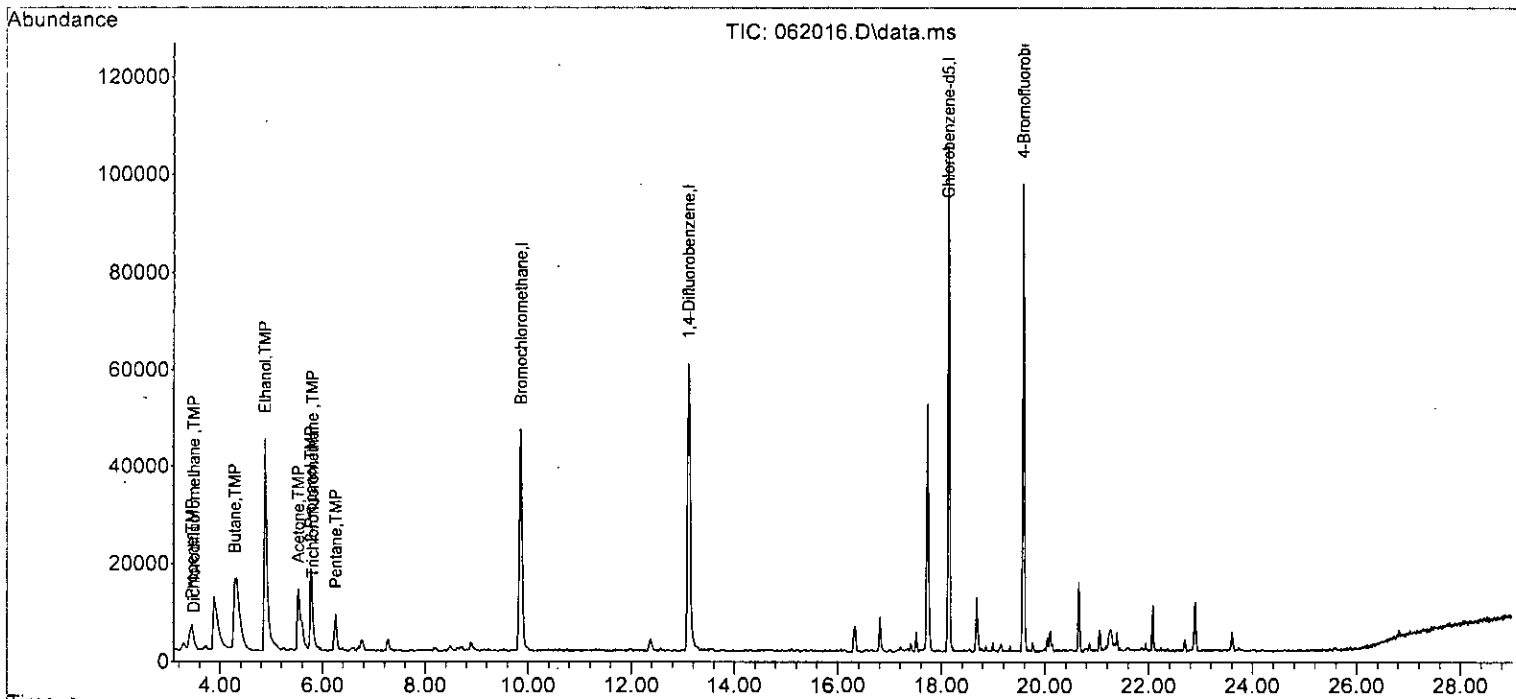
Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

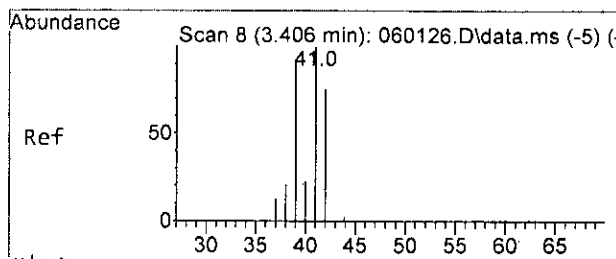
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19538 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 68668 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64792 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41142 | 8.959 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.60% |
| Target Compounds | | | | | | |
| | | | | | Qvalue | |
| 2) Propene | 3.45 | 41 | 3638 | 1.440 | ppbv # | 19 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 4118 | 0.489 | ppbv | 99 |
| 8) Butane | 4.28 | 43 | 55678 | 11.674 | ppbv | 96 |
| 12) Ethanol | 4.88 | 45 | 82006 | 65.941 | ppbv | 83 |
| 13] Acrolein | 5.39 | 56 | 668m | 0.515 | ppbv | |
| 14) Pentane | 6.25 | 43 | 7683 | 1.422 | ppbv | 95 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 1778 | 0.204 | ppbv | 93 |
| 16) Acetone | 5.53 | 58 | 10059 | 7.467 | ppbv | 88 |
| 17) 2-Propanol | 5.76 | 45 | 39783 | 6.092 | ppbv # | 98 |
| 30] Chloroform | 10.07 | 83 | 500 | 0.064 | ppbv | 99 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 743m | 0.148 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 506m | 0.073 | ppbv | |
| 37] Benzene | 12.58 | 78 | 966m | 0.090 | ppbv | |
| 53] Tetrachloroethene | 17.52 | 164 | 943m | 0.283 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 1015 | 0.090 | ppbv | 100 |
| 65] m,p-Xylene | 18.68 | 106 | 1244 | 0.309 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 420 | 0.123 | ppbv | 95 |
| 77] Naphthalene | 23.86 | 128 | 221 | 0.028 | ppbv | 98 |

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

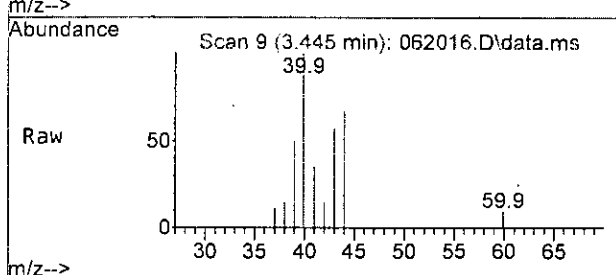
Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

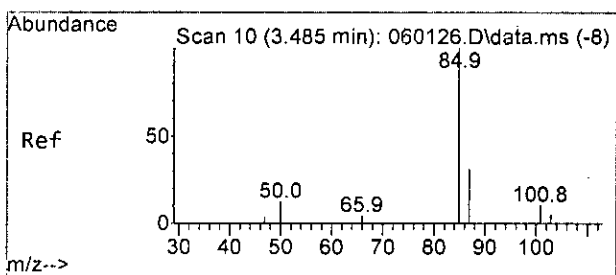
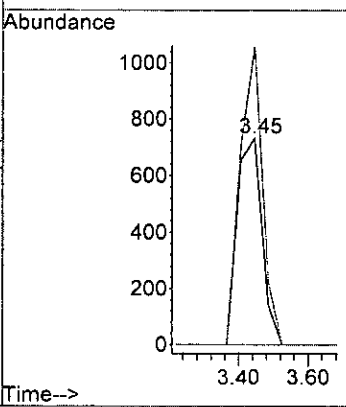
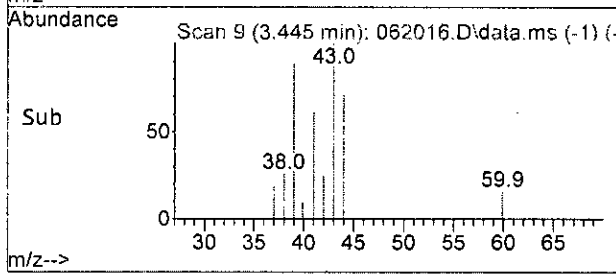




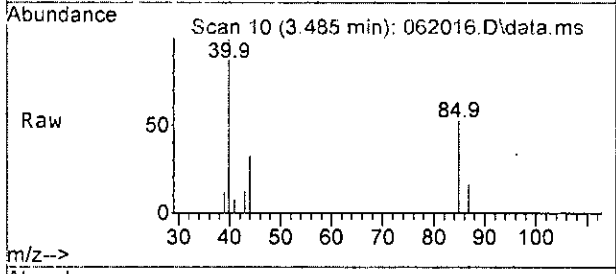
#2
 Propene
 Concen: 1.440 ppbv
 RT: 3.45 min Scan# 9
 Delta R.T. 0.039 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm



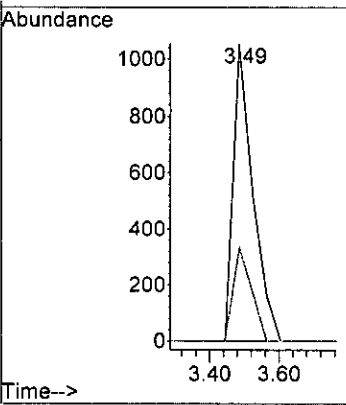
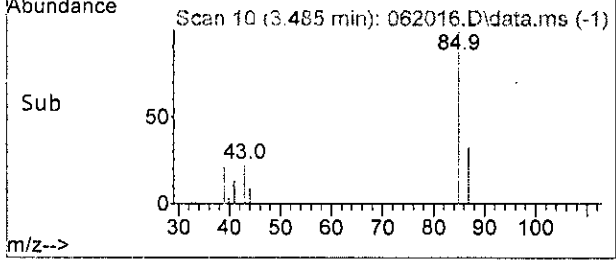
Tgt Ion: 41 Resp: 3638
 Ion Ratio Lower Upper
 41 100
 39 144.7 45.6 105.6#
 27 0.0 0.0 30.0

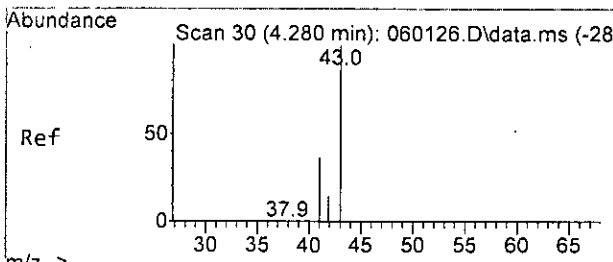


#3
 Dichlorodifluoromethane
 Concen: 0.489 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm



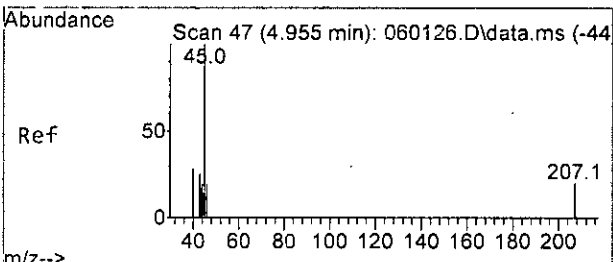
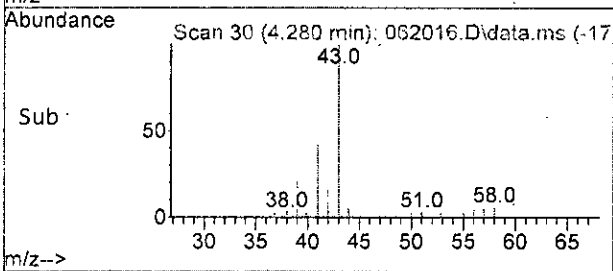
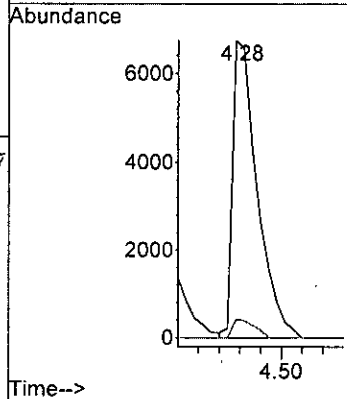
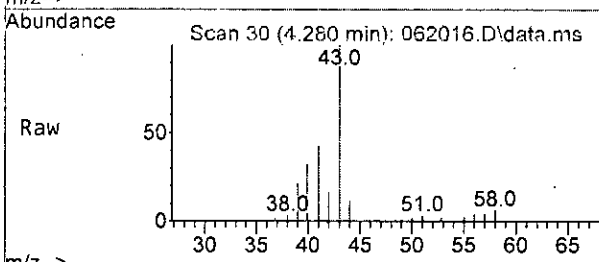
Tgt Ion: 85 Resp: 4118
 Ion Ratio Lower Upper
 85 100
 87 31.7 2.2 62.2





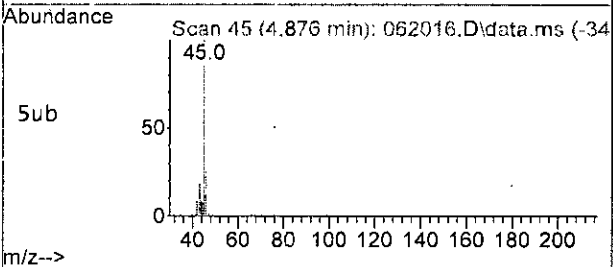
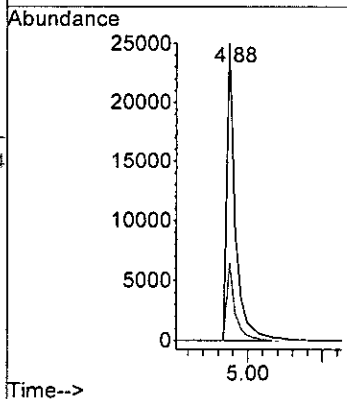
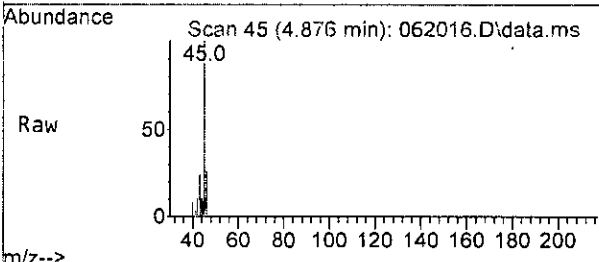
#8
 Butane
 Concen: 11.674 ppbv
 RT: 4.28 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

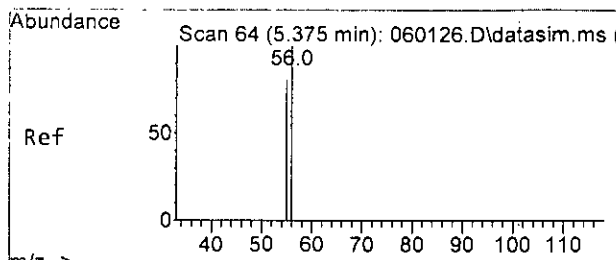
Tgt Ion: 43 Resp: 55678
 Ion Ratio Lower Upper
 43 100
 58 5.4 0.0 36.9



#12
 Ethanol
 Concen: 65.941 ppbv
 RT: 4.88 min Scan# 45
 Delta R.T. -0.079 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

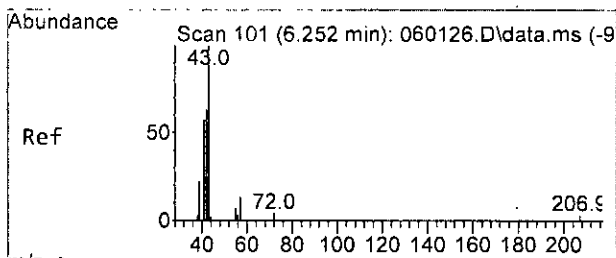
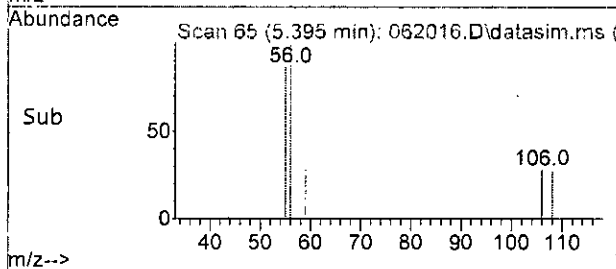
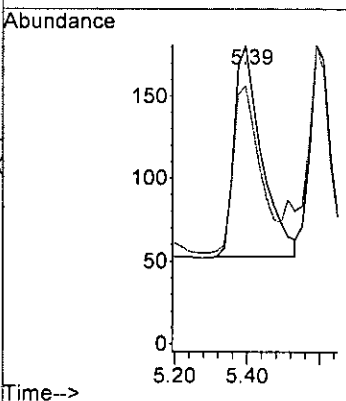
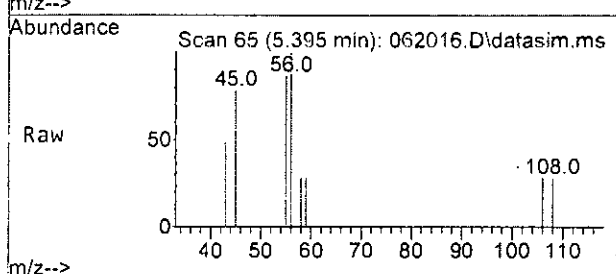
Tgt Ion: 45 Resp: 82006
 Ion Ratio Lower Upper
 45 100
 46 33.9 0.0 55.5





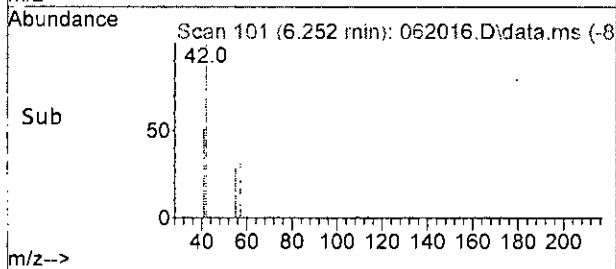
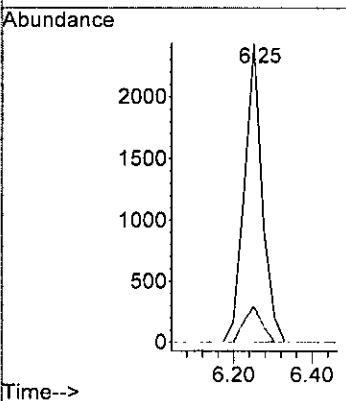
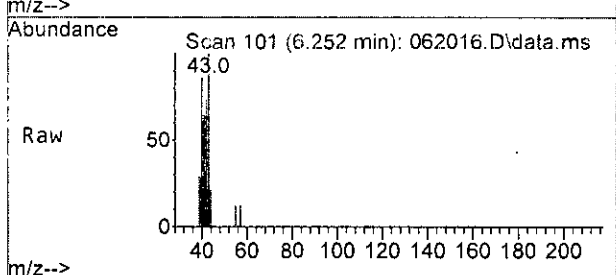
#13
 Acrolein
 Concen: 0.515 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

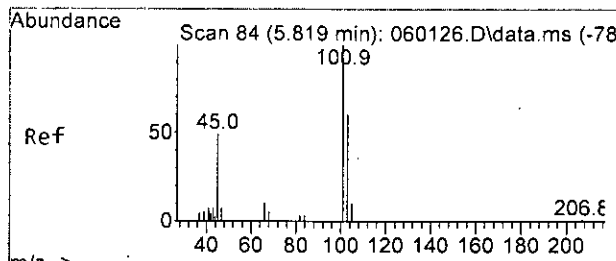
Tgt Ion: 56 Resp: 668
 Ion Ratio Lower Upper
 56 100
 55 130.7 51.0 111.0#



#14
 Pentane
 Concen: 1.422 ppbv
 RT: 6.25 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

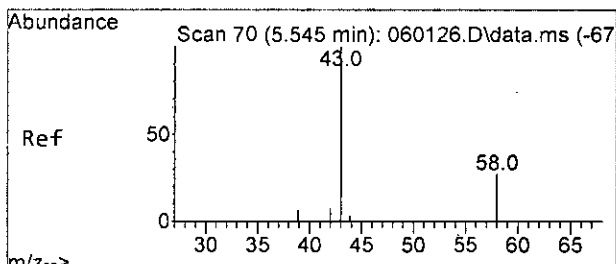
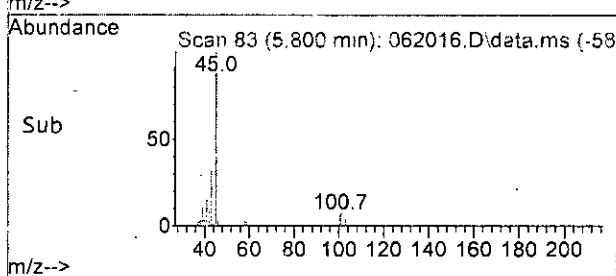
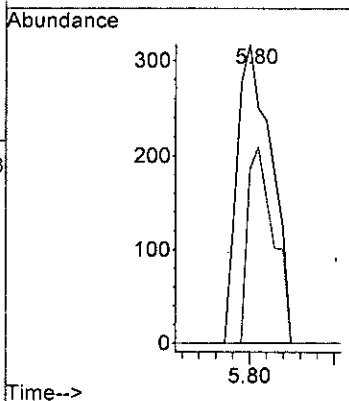
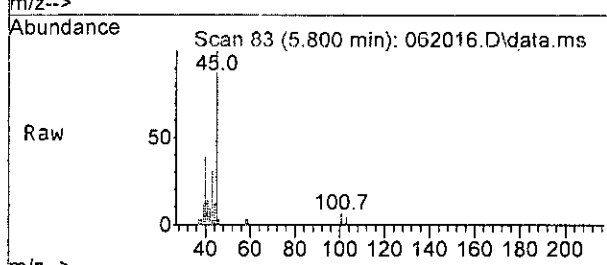
Tgt Ion: 43 Resp: 7683
 Ion Ratio Lower Upper
 43 100
 57 12.3 0.0 43.5
 72 0.0 0.0 34.2





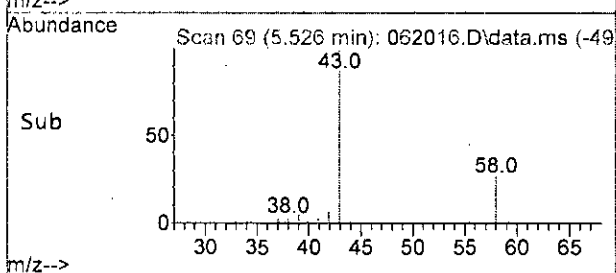
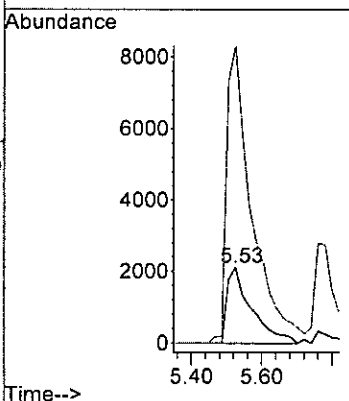
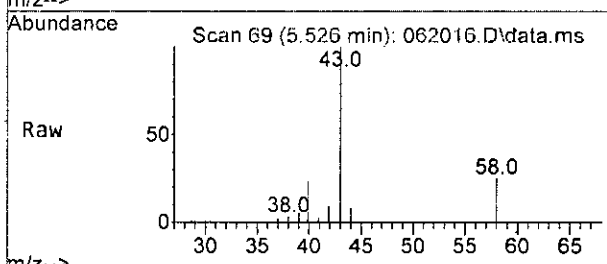
#15
 Trichlorofluoromethane
 Concen: 0.204 ppbv
 RT: 5.80 min Scan# 83
 Delta R.T. -0.019 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

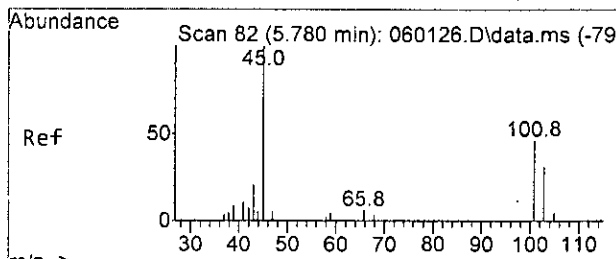
Tgt Ion: 101 Resp: 1778
 Ion Ratio Lower Upper
 101 100
 103 58.7 34.5 94.5



#16
 Acetone
 Concen: 7.467 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

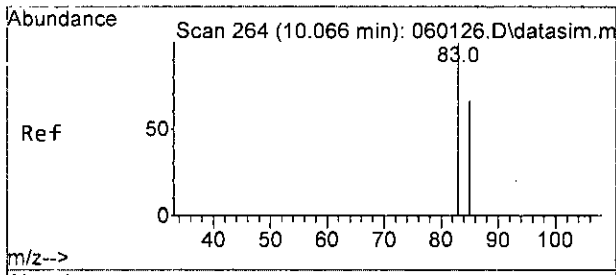
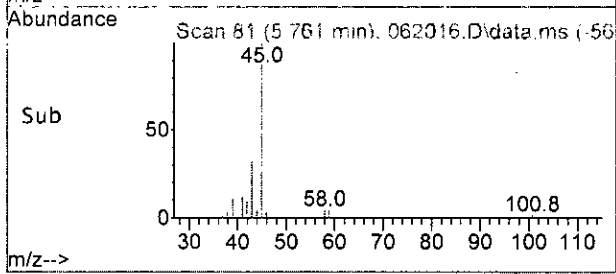
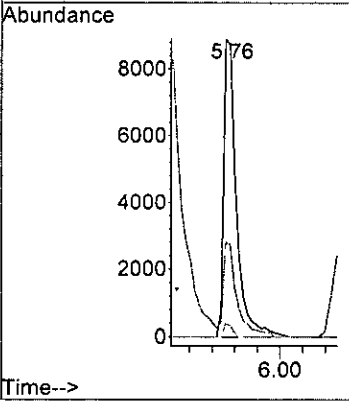
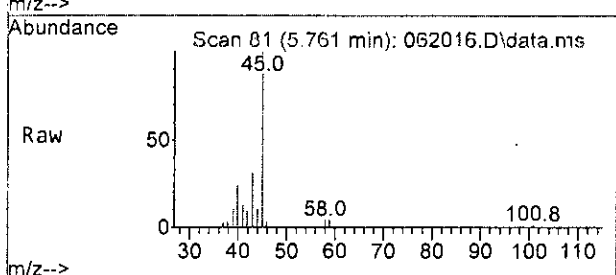
Tgt Ion: 58 Resp: 10059
 Ion Ratio Lower Upper
 58 100
 43 385.3 329.3 389.3





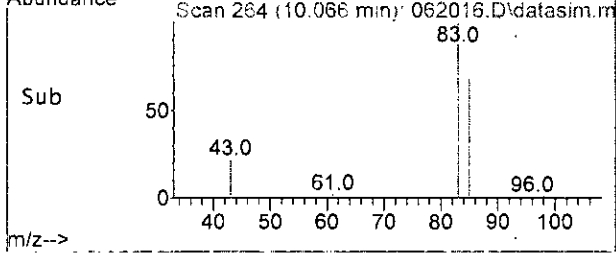
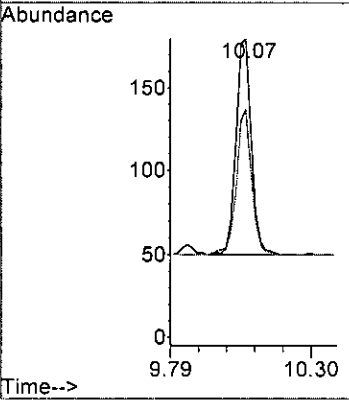
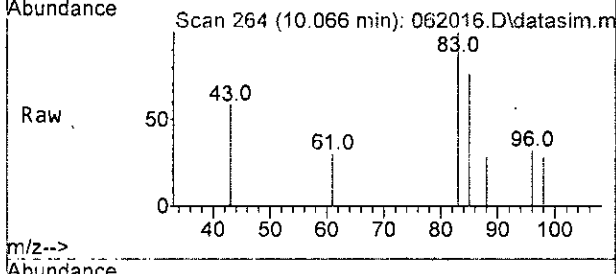
#17
 2-Propanol
 Concen: 6.092 ppbv
 RT: 5.76 min Scan# 81
 Delta R.T. -0.019 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

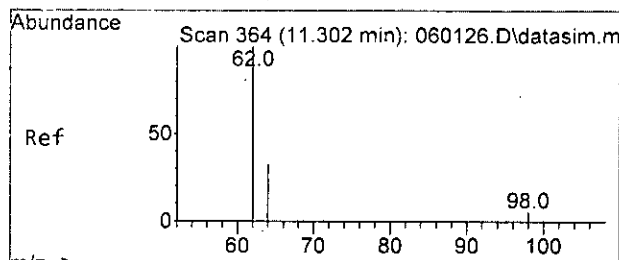
| Tgt Ion: | 45 | 43 | 59 | Resp: | 39783 | Lower | Upper |
|-----------|-----|------|-----|-------|-------|-------|-------|
| Ion Ratio | 100 | 31.5 | 4.3 | | | 0.0 | 30.0# |
| | | | | | | 0.0 | 33.6 |



#30
 Chloroform
 Concen: 0.064 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

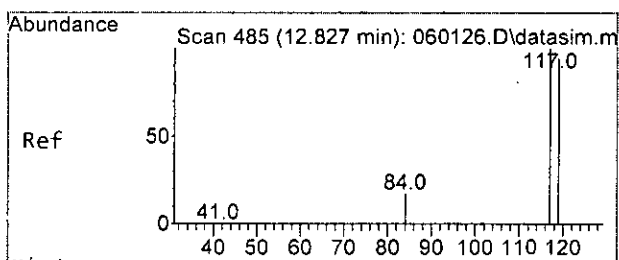
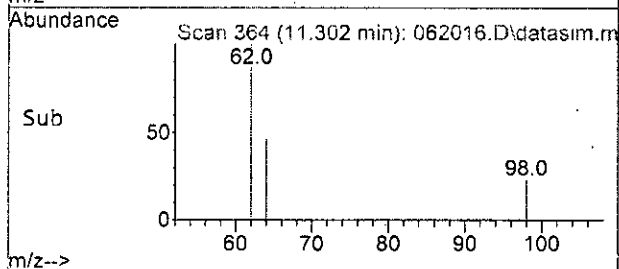
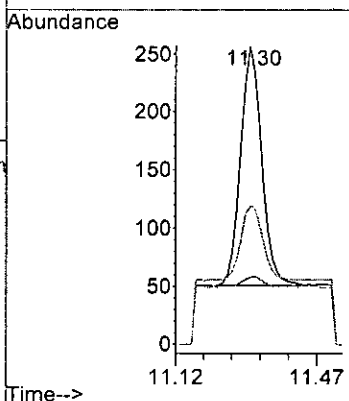
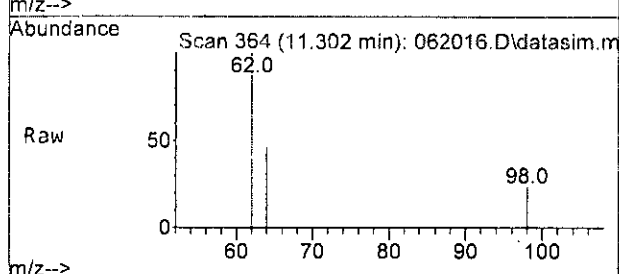
| Tgt Ion: | 83 | 85 | Resp: | 500 | Lower | Upper |
|-----------|-----|------|-------|-----|-------|-------|
| Ion Ratio | 100 | 66.9 | | | 36.3 | 96.3 |





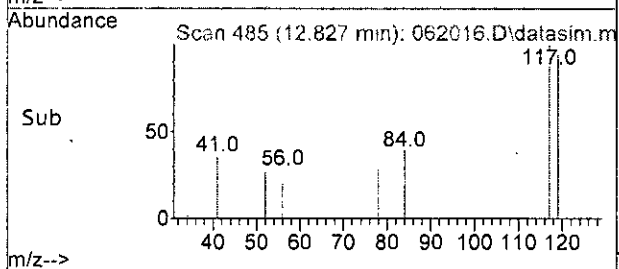
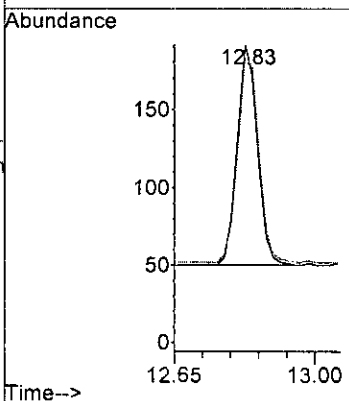
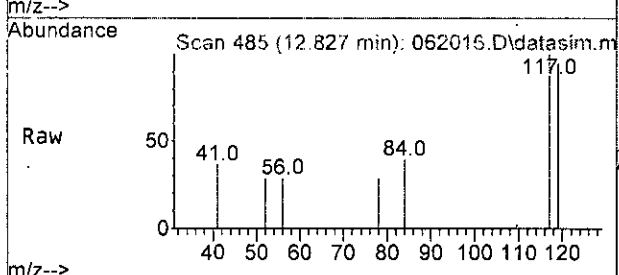
#34
 1,2-Dichloroethane (EDC)
 Concen: 0.148 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

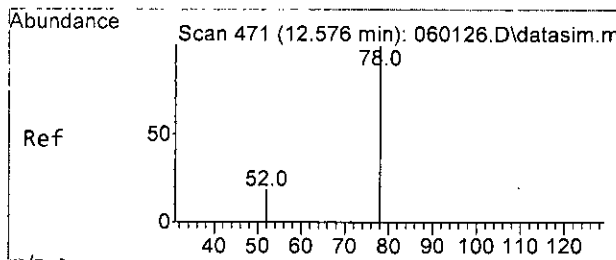
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 22.6 | 0.0 | 35.3 |
| 64 | 46.3 | 3.0 | 63.0 |



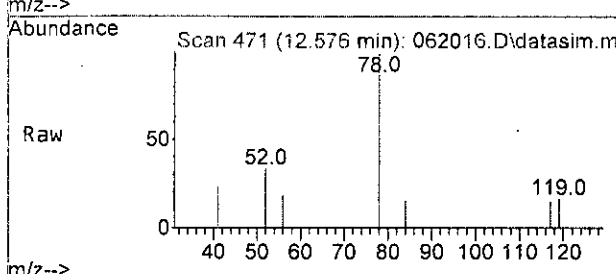
#36
 Carbon tetrachloride
 Concen: 0.073 ppbv m
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 95.8 | 64.6 | 124.6 |

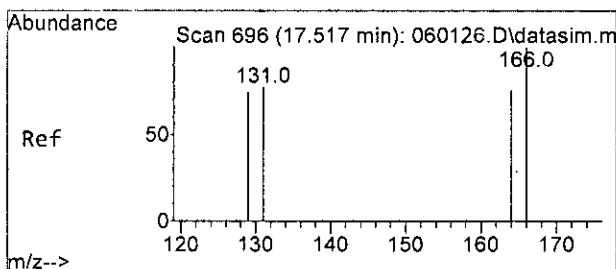
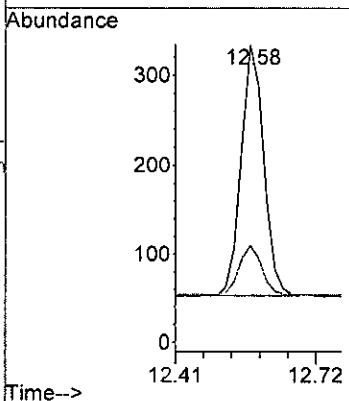
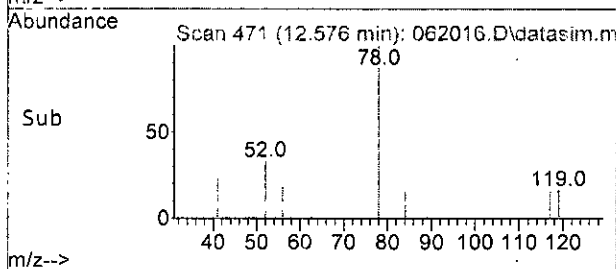




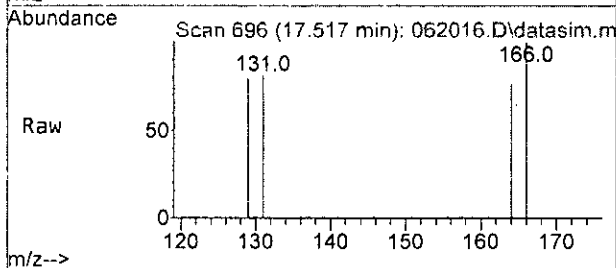
#37
Benzene
Concen: 0.090 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 062016.D
Acq: 20 Jun 2023 11:04 pm



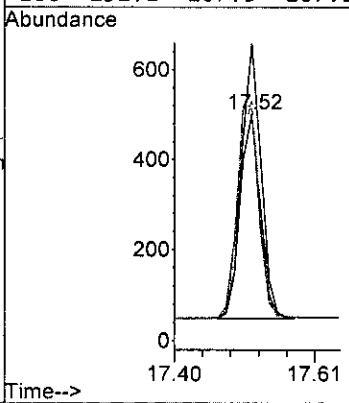
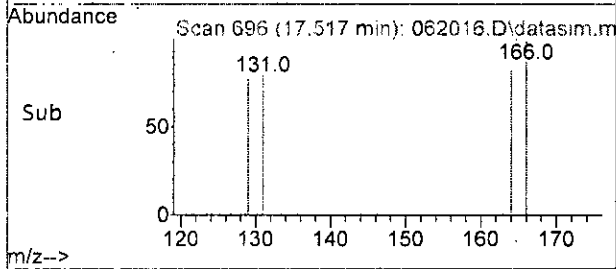
Tgt Ion: 78 Resp: 966
Ion Ratio Lower Upper
78 100
52 33.0 0.0 49.7

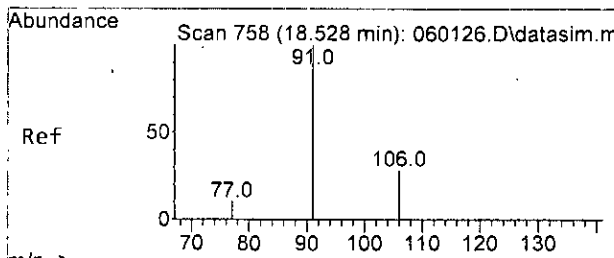


#53
Tetrachloroethene
Concen: 0.283 ppbv m
RT: 17.52 min Scan# 696
Delta R.T. -0.000 min
Lab File: 062016.D
Acq: 20 Jun 2023 11:04 pm



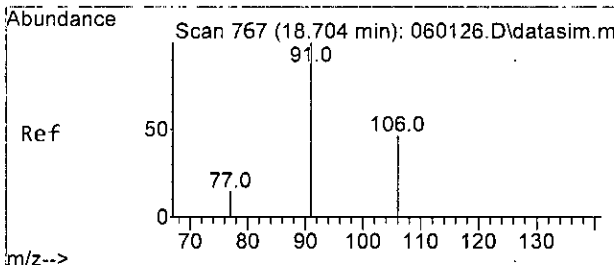
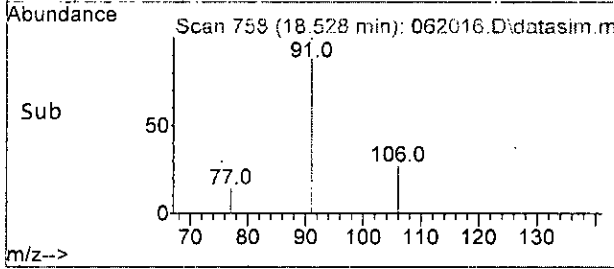
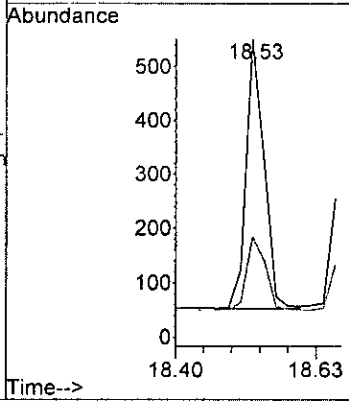
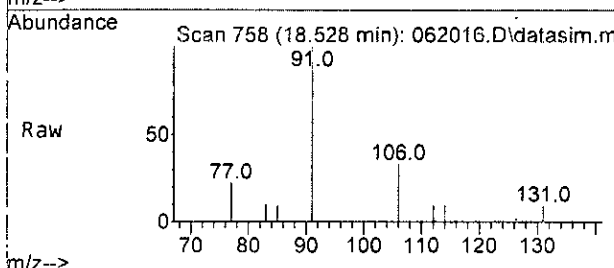
Tgt Ion: 164 Resp: 943
Ion Ratio Lower Upper
164 100
129 104.0 63.2 123.2
131 105.8 70.7 130.7
166 131.1 107.5 167.5





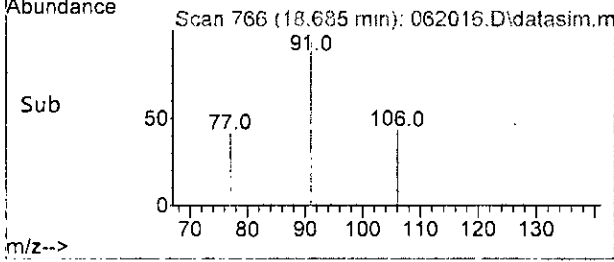
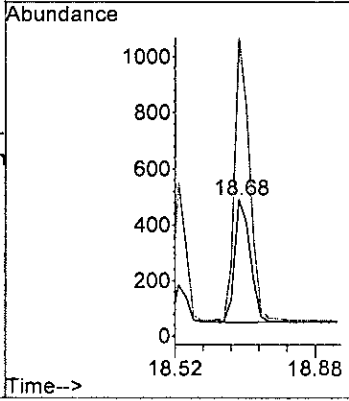
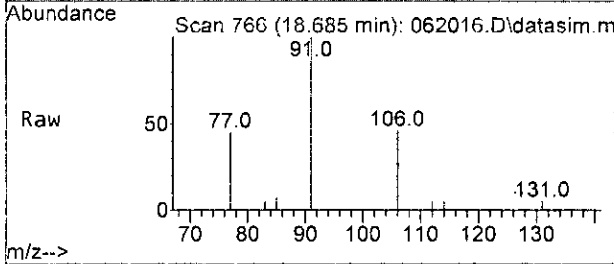
#58
Ethylbenzene
Concen: 0.090 ppbv
RT: 18.53 min Scan# 758
Delta R.T. 0.000 min
Lab File: 062016.D
Acq: 20 Jun 2023 11:04 pm

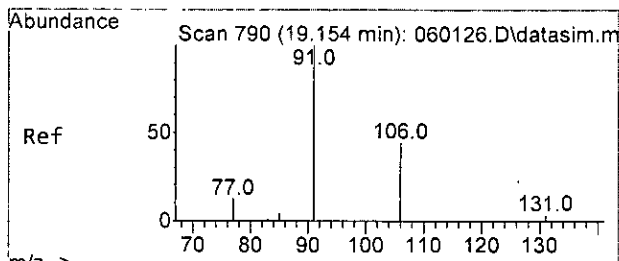
Tgt Ion: 91 Resp: 1015
Ion Ratio Lower Upper
91 100
106 27.0 0.0 57.0



#65
m,p-Xylene
Concen: 0.309 ppbv
RT: 18.68 min Scan# 766
Delta R.T. -0.019 min
Lab File: 062016.D
Acq: 20 Jun 2023 11:04 pm

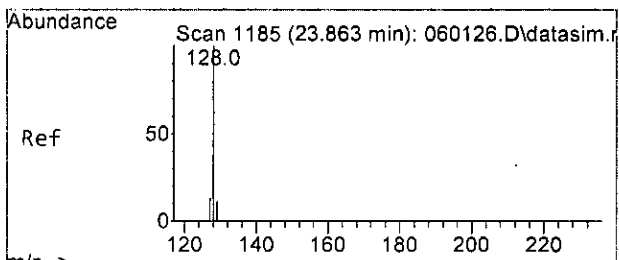
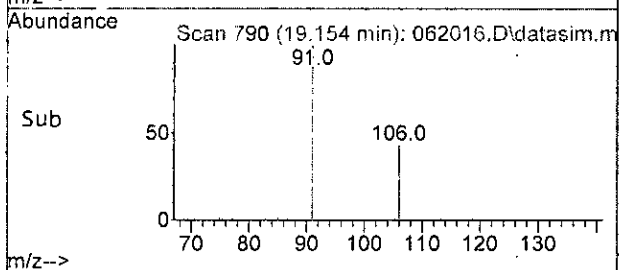
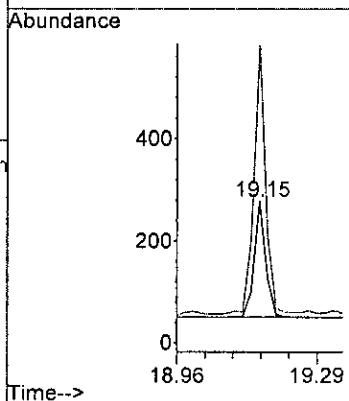
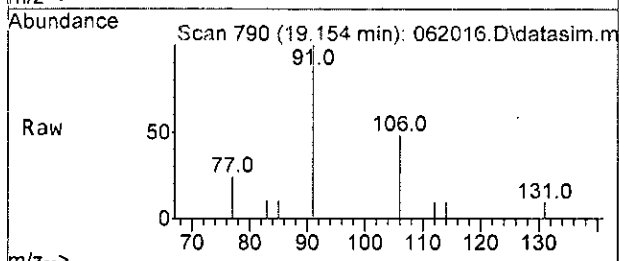
Tgt Ion: 106 Resp: 1244
Ion Ratio Lower Upper
106 100
91 230.1 193.0 253.0





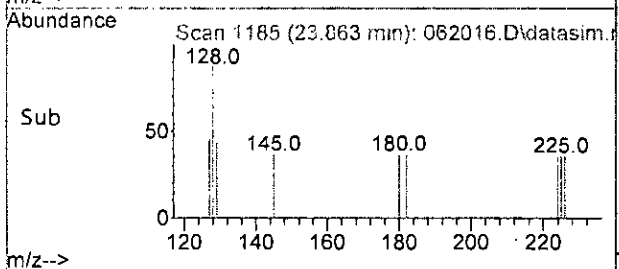
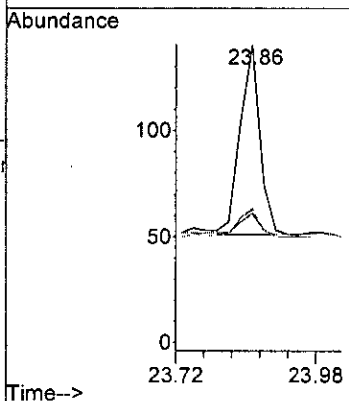
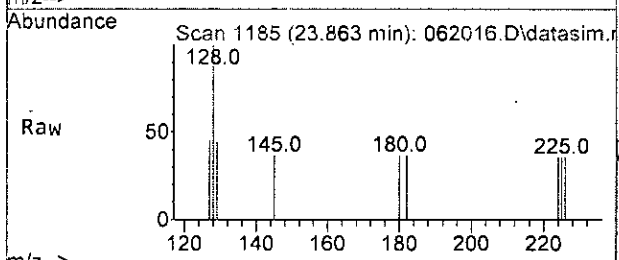
#66
 o-Xylene
 Concen: 0.123 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

Tgt Ion:106 Resp: 420
 Ion Ratio Lower Upper
 106 100
 91 232.2 194.4 254.4



#77
 Naphthalene
 Concen: 0.028 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062016.D
 Acq: 20 Jun 2023 11:04 pm

Tgt Ion:128 Resp: 221
 Ion Ratio Lower Upper
 128 100
 129 11.2 0.0 41.0
 127 14.6 0.0 43.2



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19538 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 68668 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64792 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41142 | 8.959 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.60% |
| Target Compounds | | | | | | |
| | | | | | Qvalue | |
| 2) Propene | 3.45 | 41 | 3638 | 1.440 | ppbv # | 19 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 4118 | 0.489 | ppbv | 99 |
| 4) Chloromethane | 3.69 | 50 | 1669 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 4.28 | 43 | 55678 | 11.674 | ppbv | 96 |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.88 | 45 | 82006 | 65.941 | ppbv | 83 |
| 13] Acrolein | 5.39 | 56 | 668m | 0.515 | ppbv | |
| 14) Pentane | 6.25 | 43 | 7683 | 1.422 | ppbv | 95 |
| 15) Trichlorofluoromethane | 5.80 | 101 | 1778 | 0.204 | ppbv | 93 |
| 16) Acetone | 5.53 | 58 | 10059 | 7.467 | ppbv | 88 |
| 17) 2-Propanol | 5.76 | 45 | 39783 | 6.092 | ppbv # | 98 |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 20) Methylene chloride | 6.75 | 84 | 1975 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 658 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 0.00 | | 0 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 2506 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 500 | 0.064 | ppbv | 99 |
| 31) Ethyl acetate | 9.92 | 43 | 6239 | N.D. | | |
| 32) Tetrahydrofuran | 10.76 | 42 | 236 | N.D. | | |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 517 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 743m | 0.148 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.56 | 97 | 235 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 506m | 0.073 | ppbv | |
| 37] Benzene | 12.58 | 78 | 966m | 0.090 | ppbv | |
| 38) Cyclohexane | 13.11 | 84 | 484 | N.D. | | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

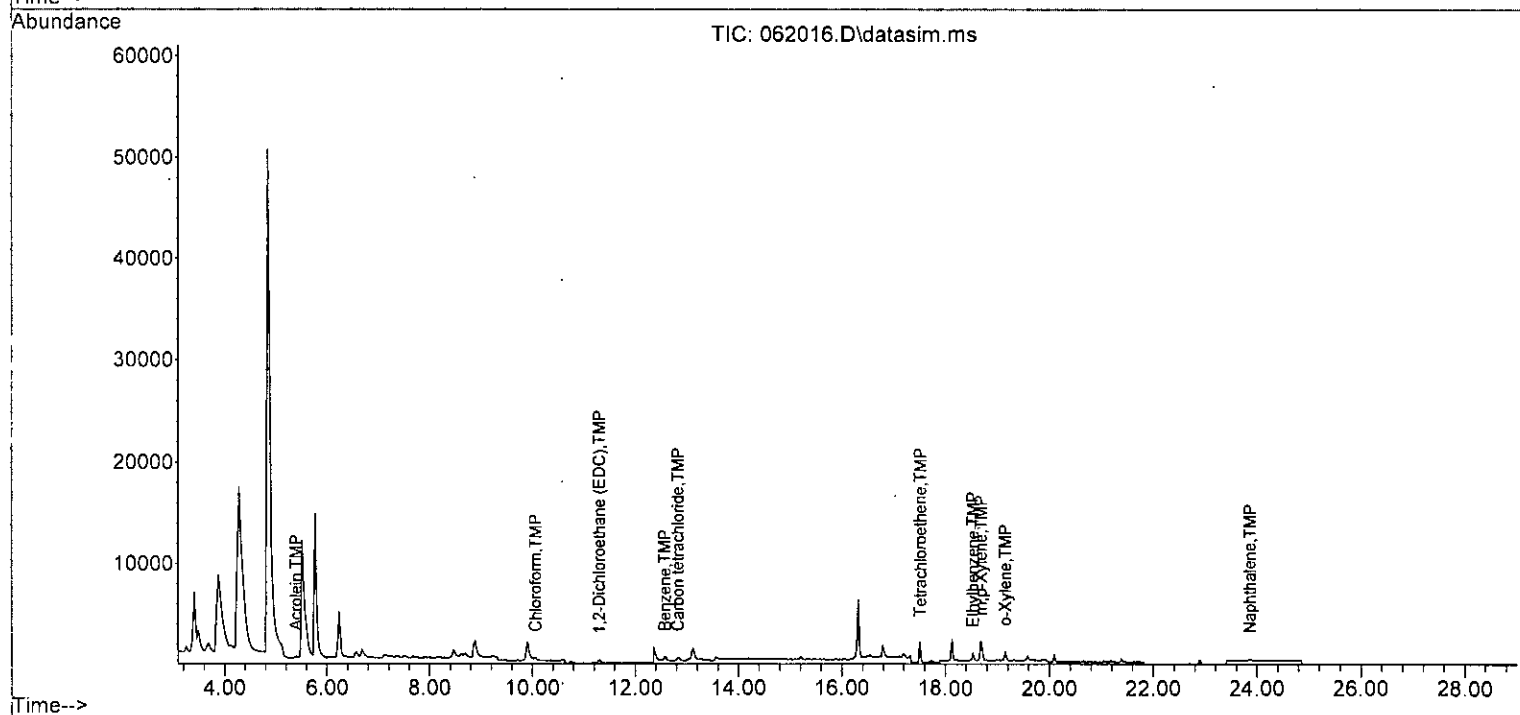
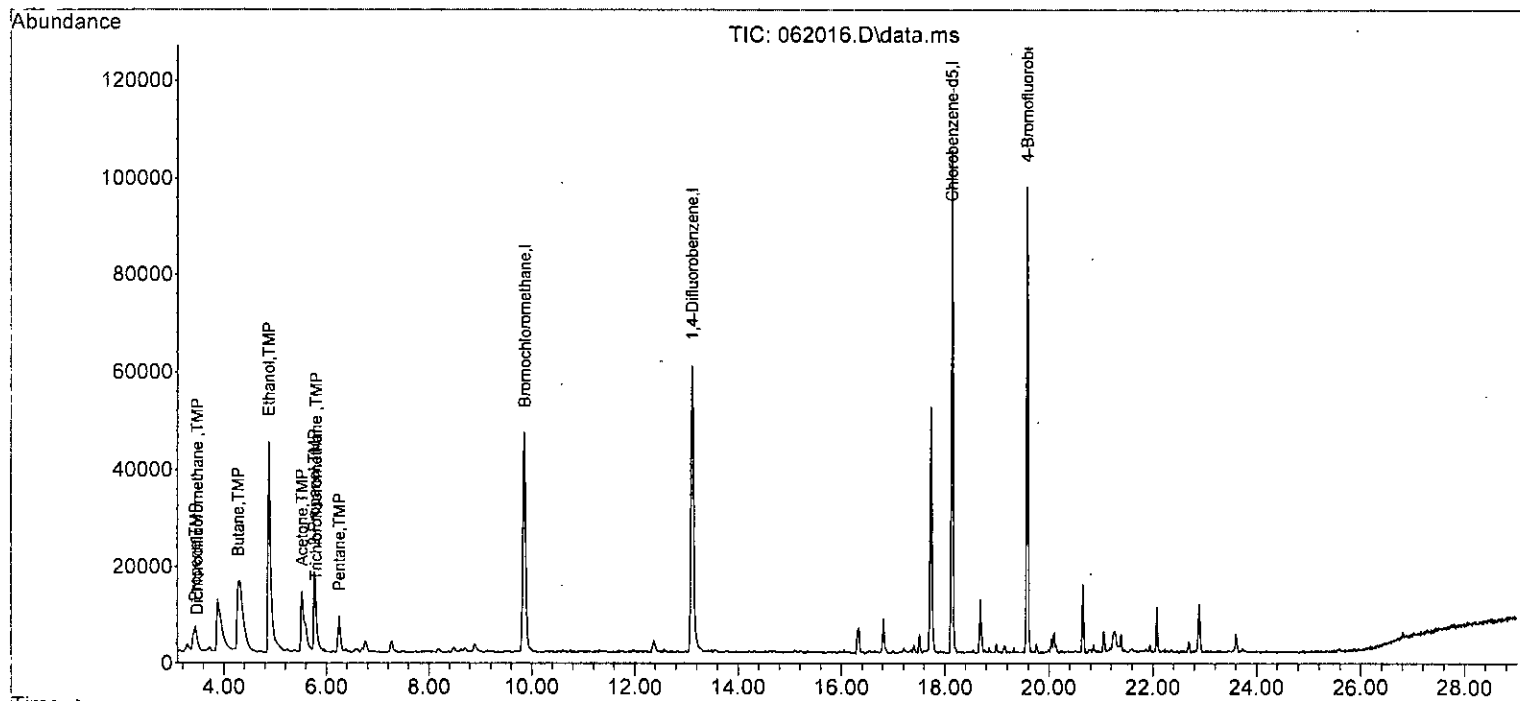
Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 192 | | N.D. | |
| 43) Methyl methacrylate | 14.53 | 41 | 161 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46) Trichloroethene | 14.12 | 95 | 24 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 5281 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.56 | 43 | 430 | | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 943m | 0.283 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. d | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 1015 | 0.090 | ppbv | 100 |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 43 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 324 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 1339 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.10 | 91 | 1230 | | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 227 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 1244 | 0.309 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 420 | 0.123 | ppbv | 95 |
| 67) Styrene | 19.05 | 104 | 139 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.29 | 105 | 227 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 275 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 72 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 72 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 21.05 | 146 | 67 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 221 | 0.028 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062016.D
 Acq On : 20 Jun 2023 11:04 pm
 Operator : bat
 Sample : 306242-01
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

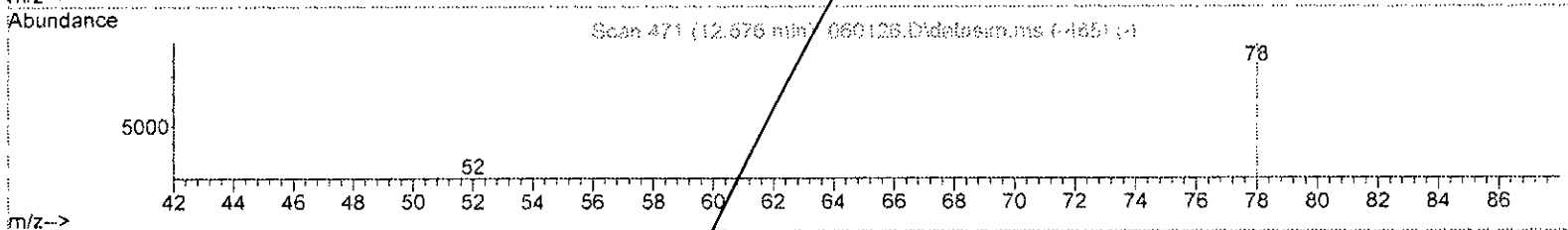
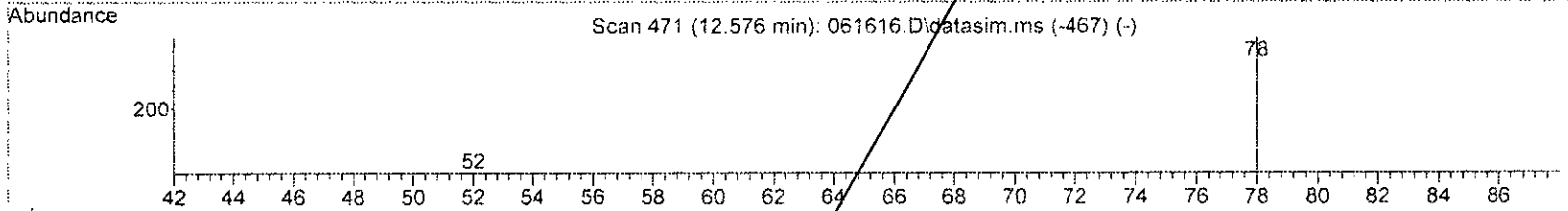
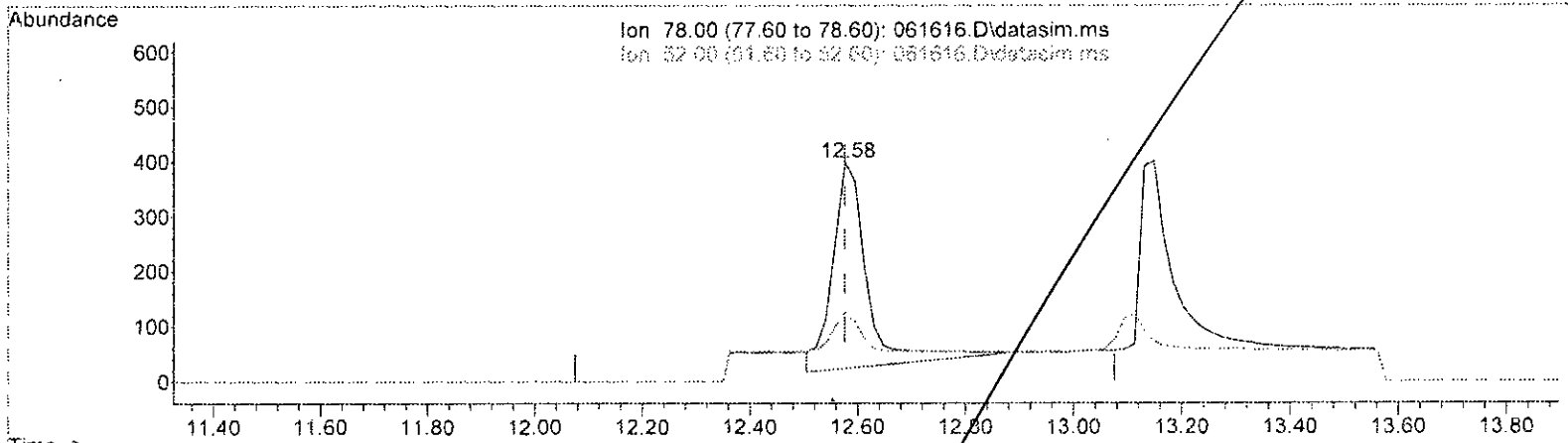
Quant Time: Jun 21 07:07:28 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/S.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061616.D\data.ms

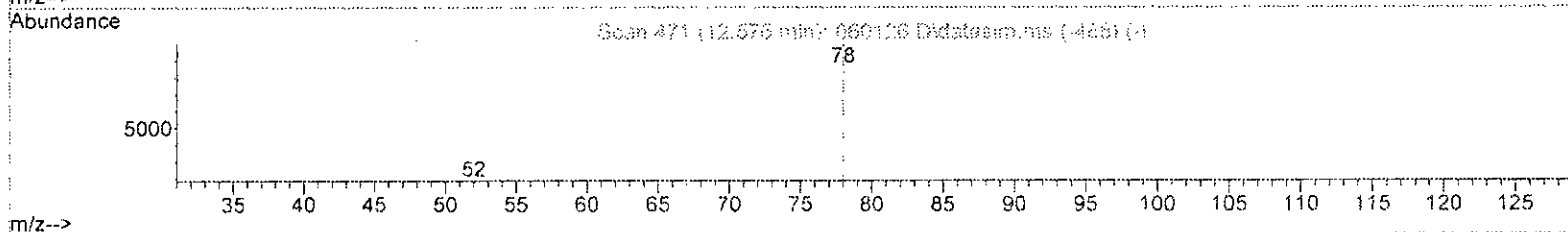
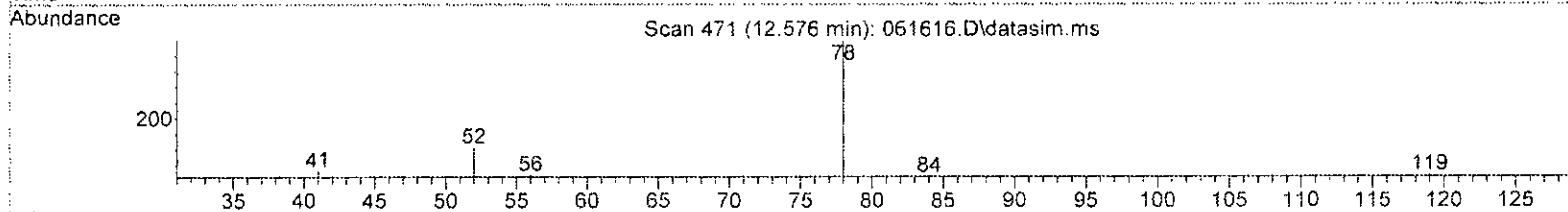
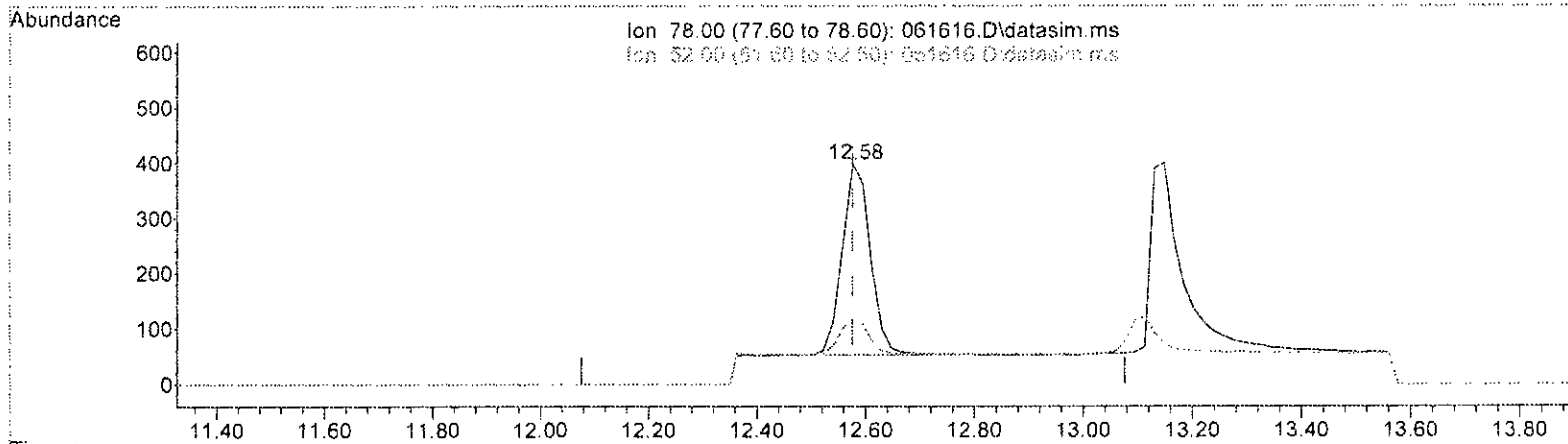
| (37) Benzene (TMP) | | |
|---------------------|--------|------------|
| 12.576min (+ 0.000) | | 0.153 ppbv |
| response | | 1659 |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 20.58 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061616.D\data.ms

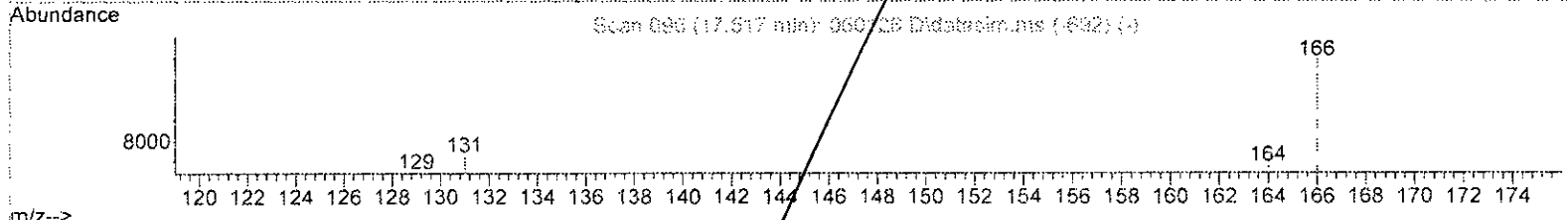
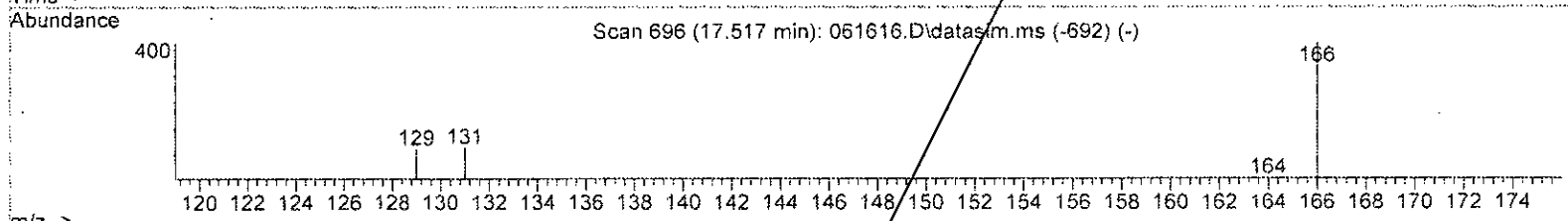
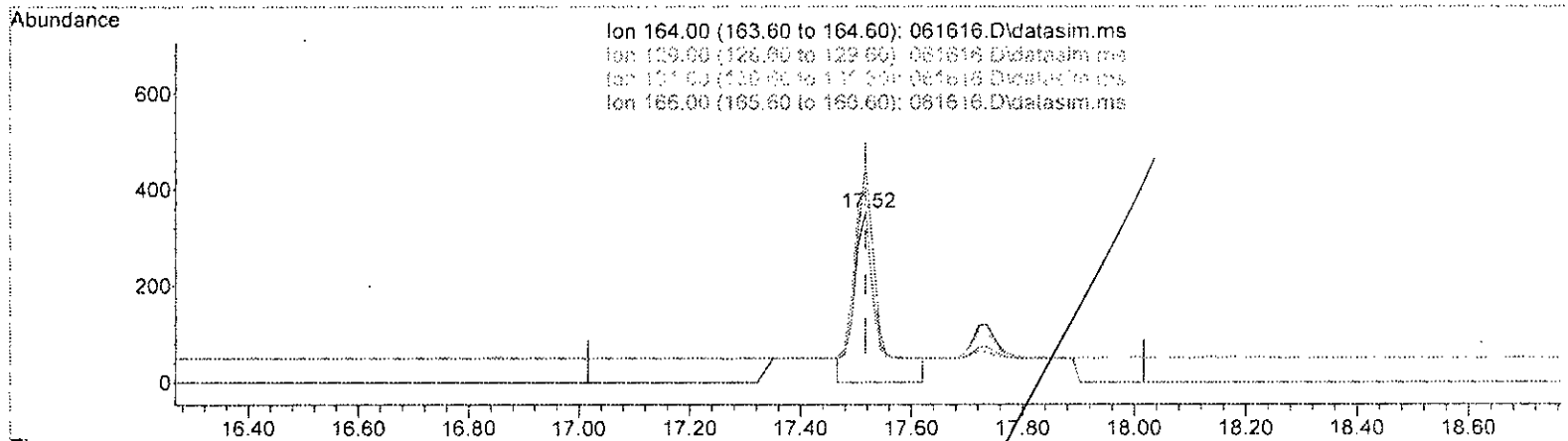
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.112 ppbv m | |
| response | 1220 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 31.16 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061616.D\data.ms

(53) Tetrachloroethene (TME)

17.517min (-0.000) 0.324 ppbv

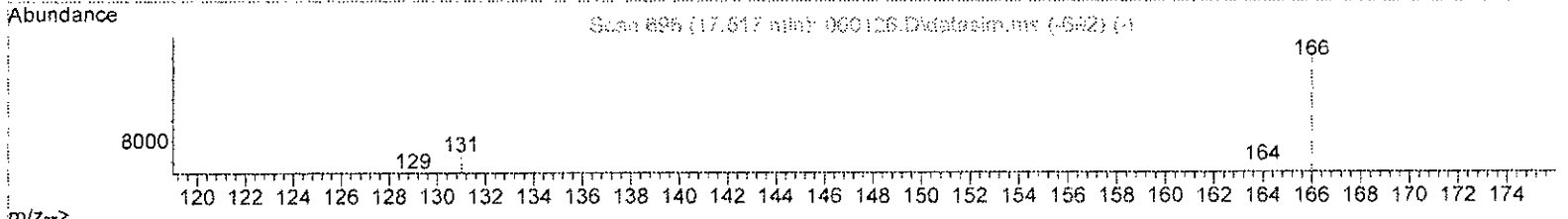
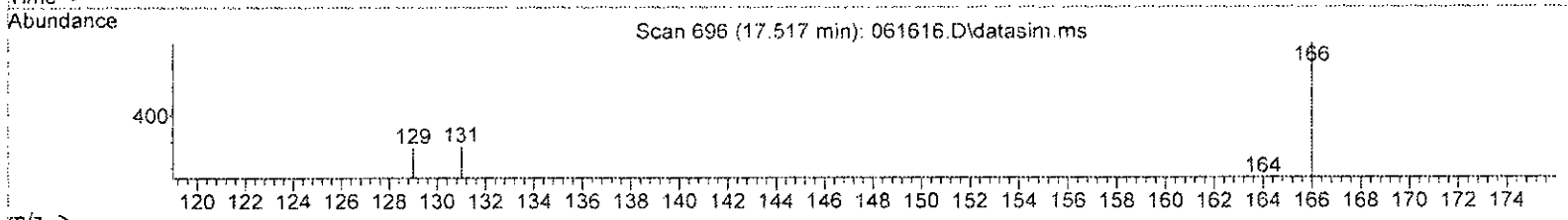
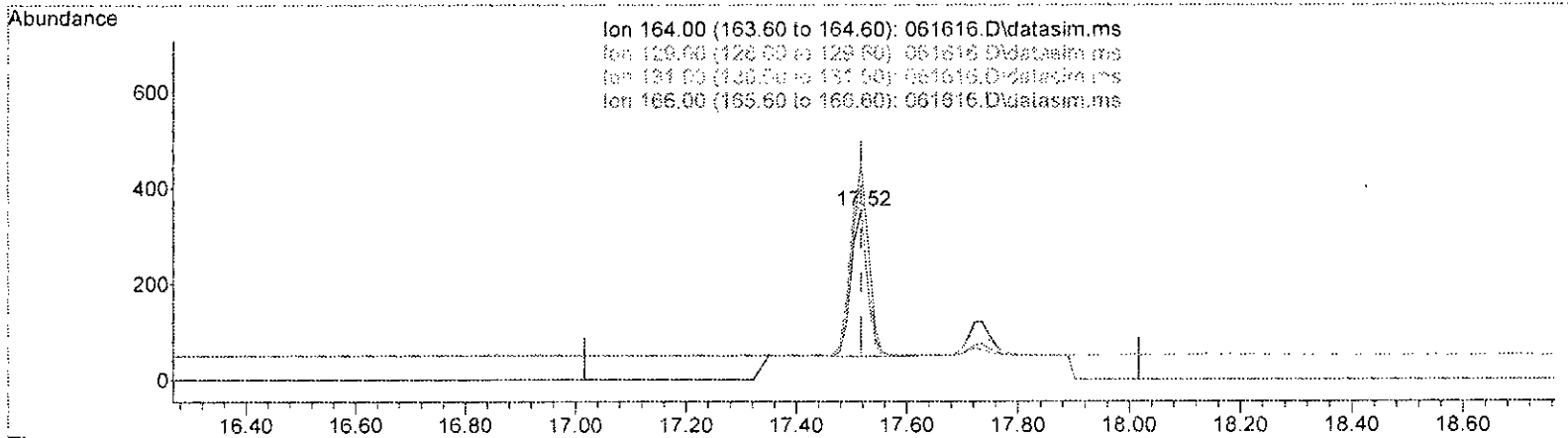
| response | 1089 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 107.28 |
| 131.00 | 100.70 | 107.62 |
| 166.00 | 137.50 | 134.11 |

W
4/5/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 061616.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.192 ppbv m

response 645

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 106.53 |
| 131.00 | 100.70 | 106.82 |
| 166.00 | 137.50 | 129.26 |

✓
bat

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

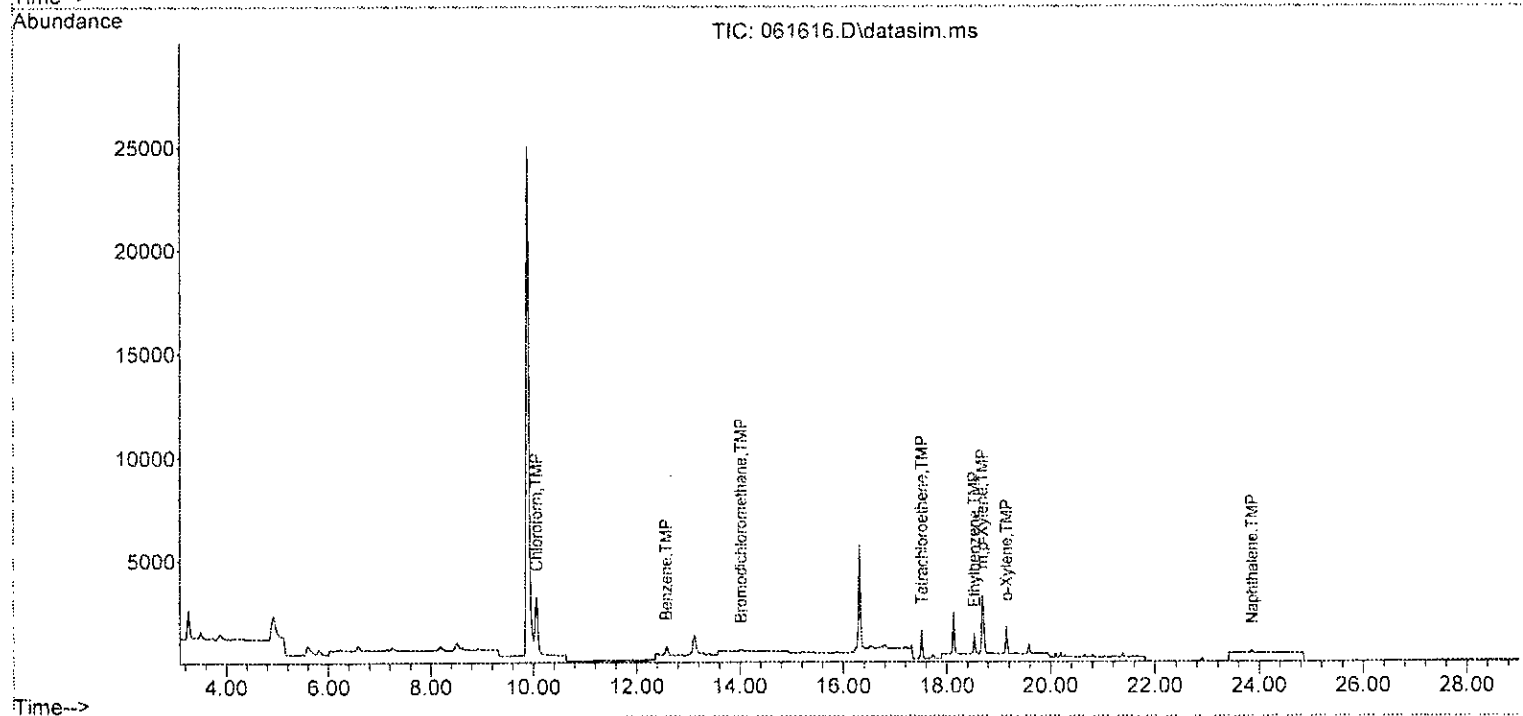
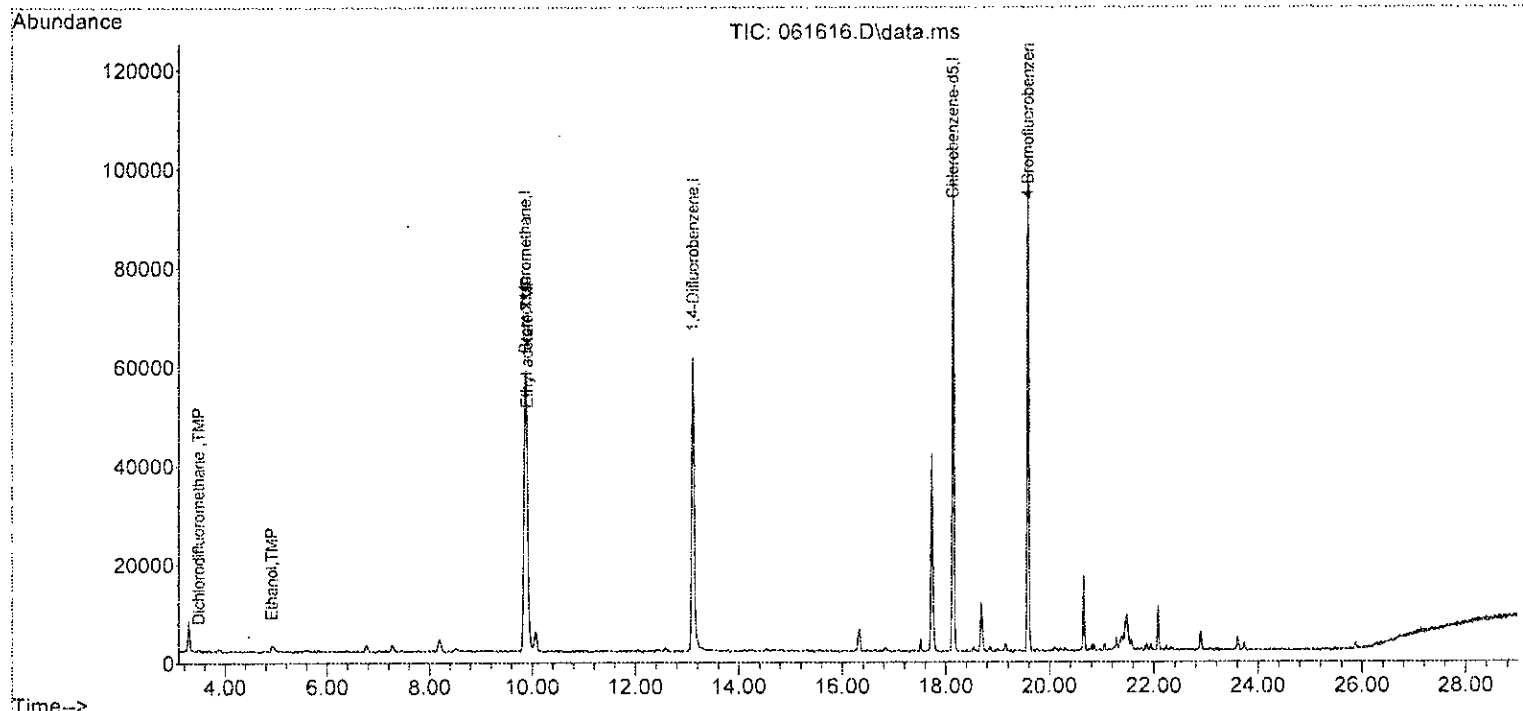
Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

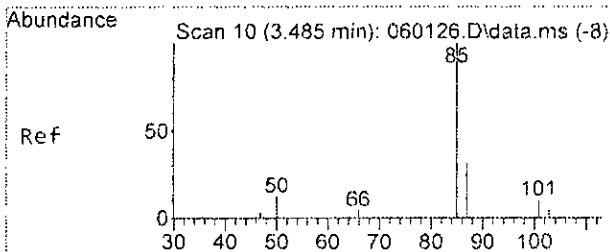
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19887 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 69140 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65902 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 42714 | 9.144 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 91.40% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 610 | 0.071 | ppbv # | 42 |
| 12) Ethanol | 4.92 | 45 | 4180 | 3.302 | ppbv | 84 |
| 30} Chloroform | 10.07 | 83 | 5803 | 0.729 | ppbv | 98 |
| 31) Ethyl acetate | 9.90 | 43 | 73913 | 9.449 | ppbv # | 98 |
| 37} Benzene | 12.58 | 78 | 1220m | 0.112 | ppbv | |
| 45} Bromodichloromethane | 14.02 | 83 | 155 | 0.023 | ppbv | 98 |
| 53} Tetrachloroethene | 17.52 | 164 | 645m | 0.192 | ppbv | |
| 58} Ethylbenzene | 18.53 | 91 | 1379 | 0.120 | ppbv | 98 |
| 65} m,p-Xylene | 18.68 | 106 | 2024 | 0.495 | ppbv | 96 |
| 66} o-Xylene | 19.15 | 106 | 656 | 0.189 | ppbv | 95 |
| 77} Naphthalene | 23.86 | 128 | 268 | 0.033 | ppbv | 98 |
| ----- | | | | | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

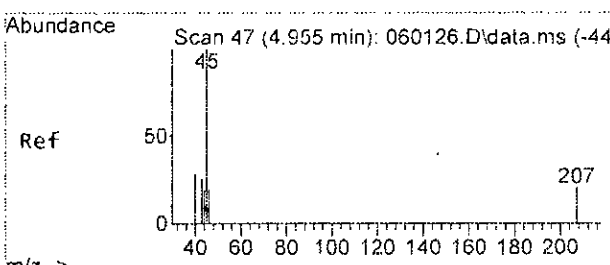
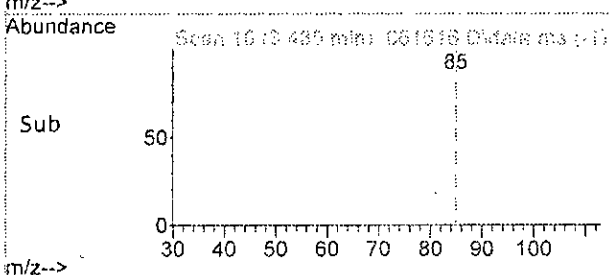
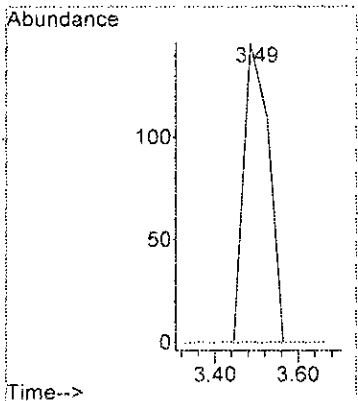
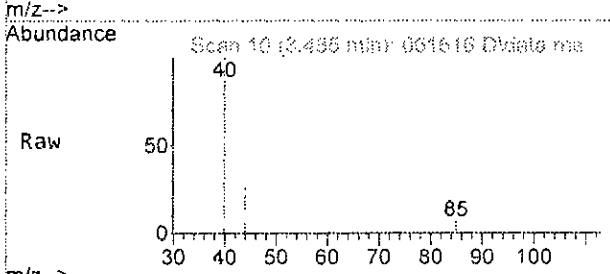
Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M





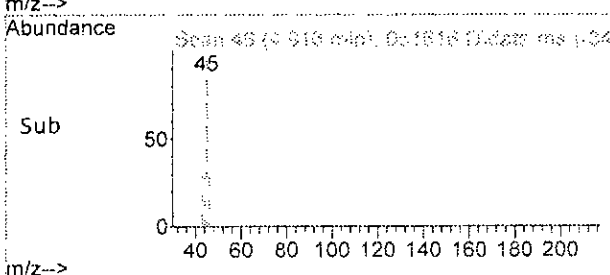
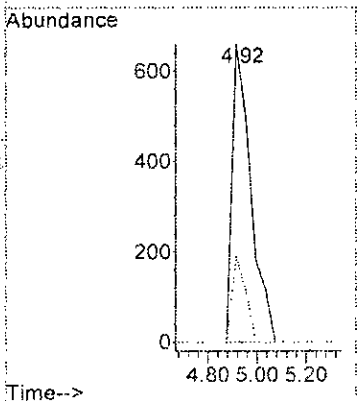
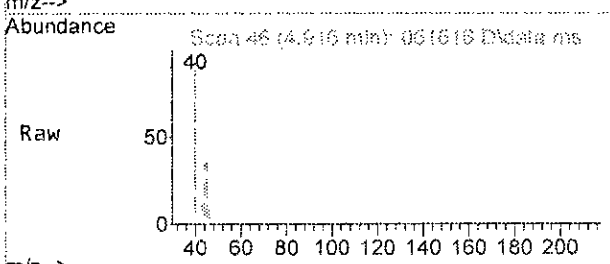
#3
 Dichlorodifluoromethane
 Concen: 0.071 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

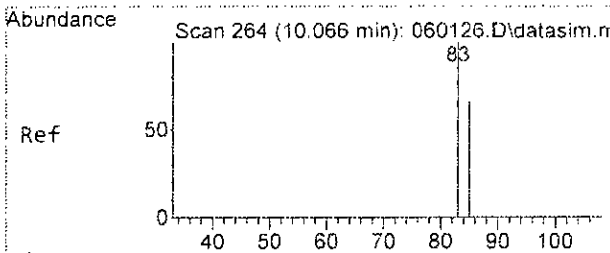
Tgt Ion: 85 Resp: 610
 Ion Ratio Lower Upper
 85 100
 87 0.0 2.2 62.2#



#12
 Ethanol
 Concen: 3.302 ppbv
 RT: 4.92 min Scan# 46
 Delta R.T. -0.039 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

Tgt Ion: 45 Resp: 4180
 Ion Ratio Lower Upper
 45 100
 46 17.2 0.0 55.5

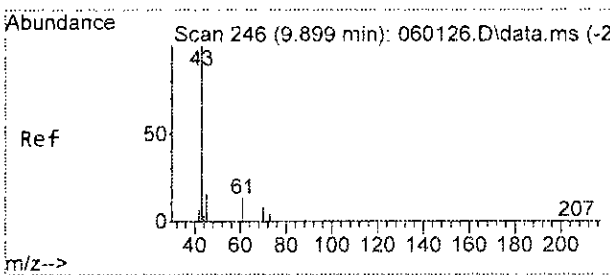
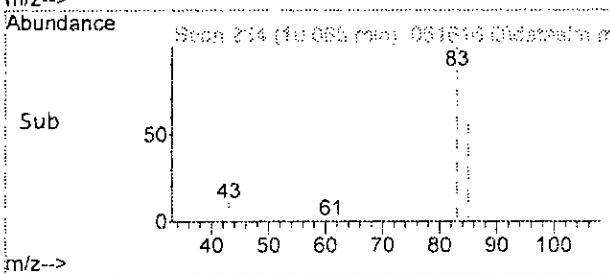
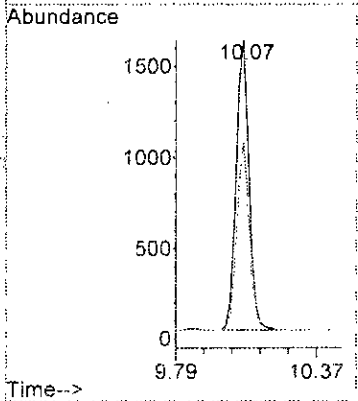
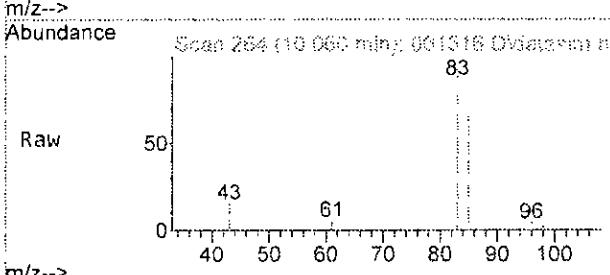




#30
 Chloroform
 Concen: 0.729 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

Tgt Ion: 83 Resp: 5803

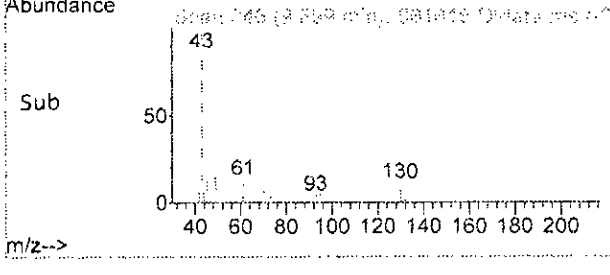
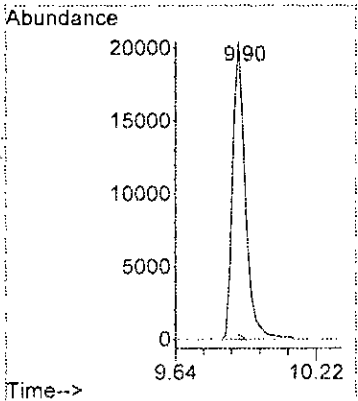
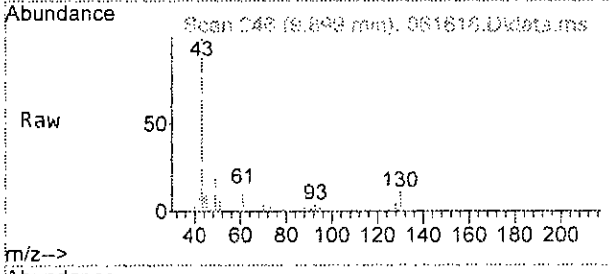
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83 | 100 | | |
| 85 | 64.8 | 36.3 | 96.3 |

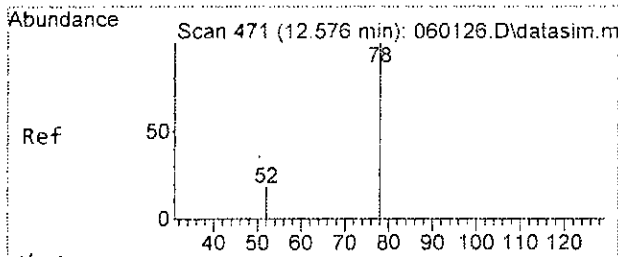


#31
 Ethyl acetate
 Concen: 9.449 ppbv
 RT: 9.90 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

Tgt Ion: 43 Resp: 73913

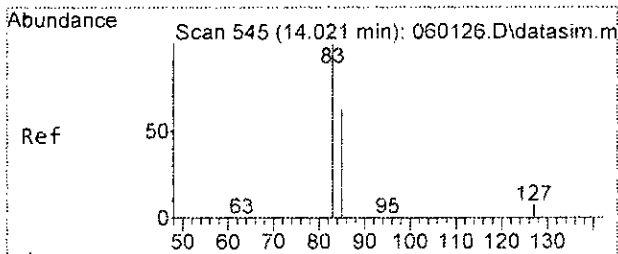
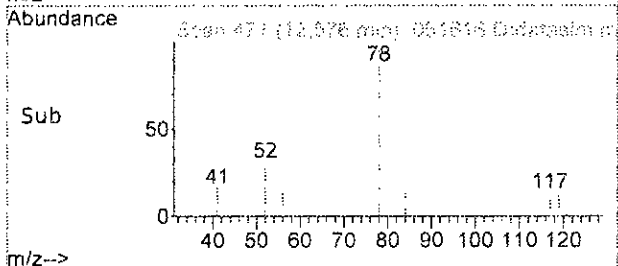
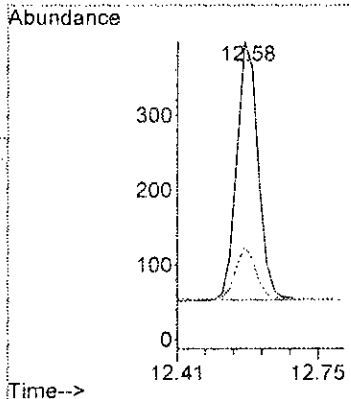
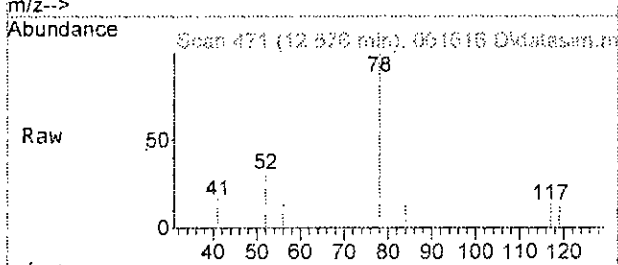
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43 | 100 | | |
| 88 | 1.0 | 1.4 | 2.0 |





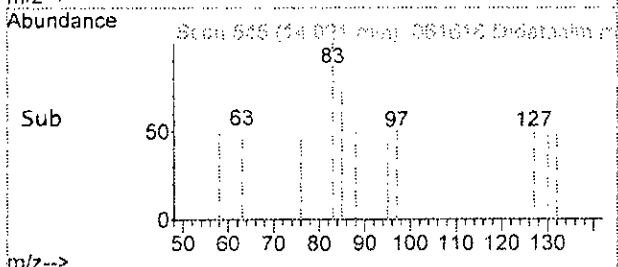
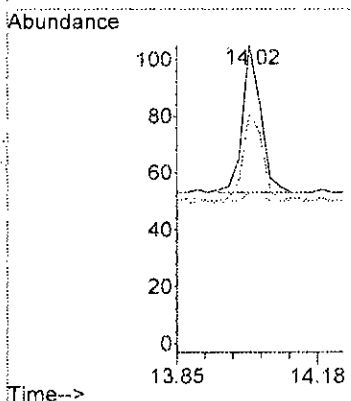
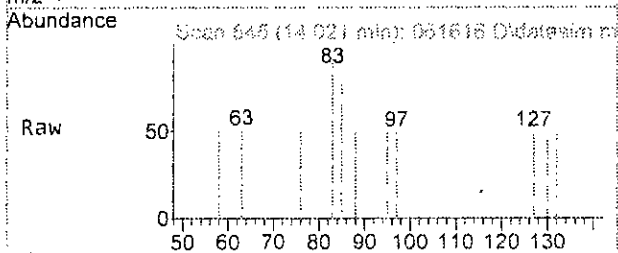
#37
Benzene
Concen: 0.112 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 061616.D
Acq: 16 Jun 2023 7:47 pm

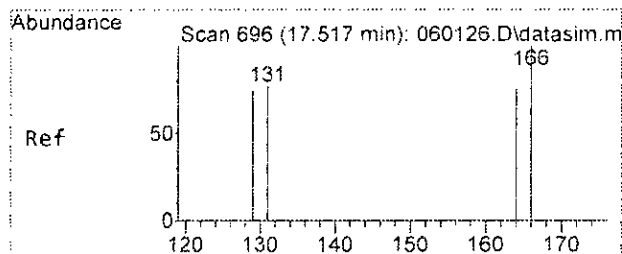
Tgt Ion: 78 Resp: 1220
Ion Ratio Lower Upper
78 100
52 31.2 0.0 49.7



#45
Bromodichloromethane
Concen: 0.023 ppbv
RT: 14.02 min Scan# 545
Delta R.T. -0.000 min
Lab File: 061616.D
Acq: 16 Jun 2023 7:47 pm

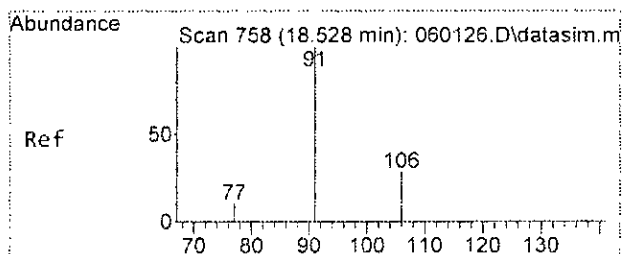
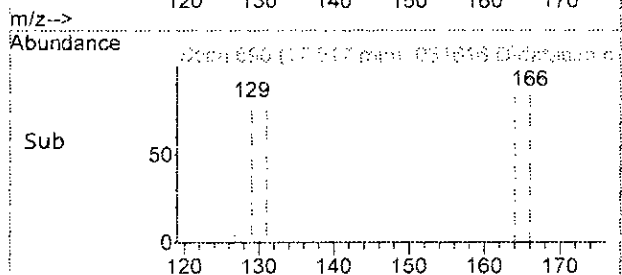
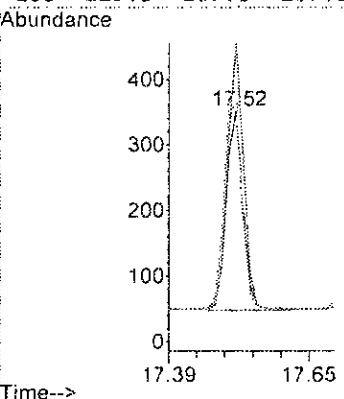
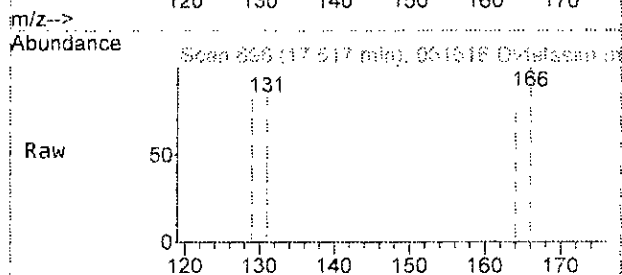
Tgt Ion: 83 Resp: 155
Ion Ratio Lower Upper
83 100
85 59.6 31.0 91.0
127 7.7 0.0 30.0





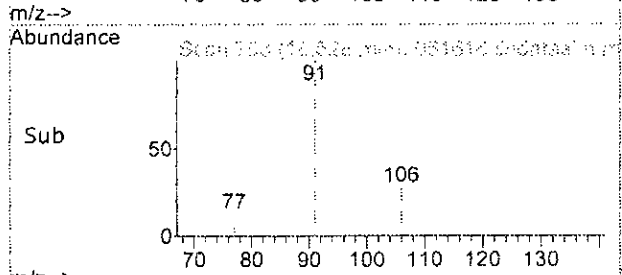
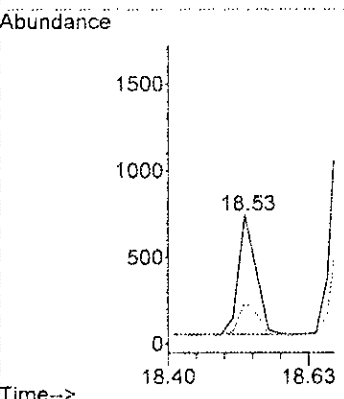
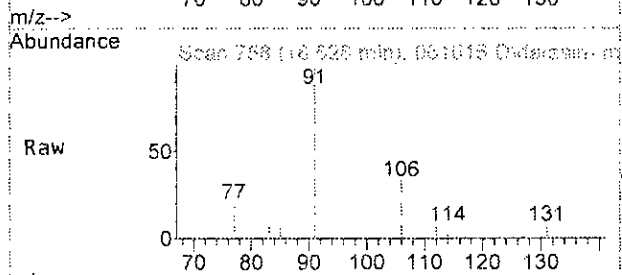
#53
 Tetrachloroethene
 Concen: 0.192 ppbv m
 RT: 17.52 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

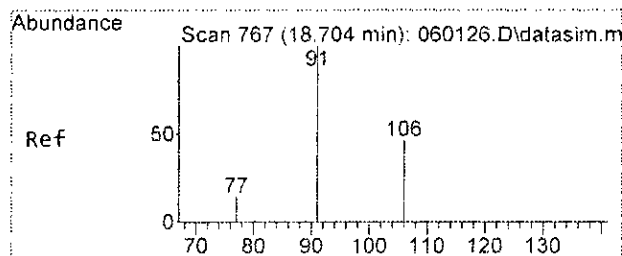
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 106.5 | 63.2 | 123.2 |
| 131 | 106.8 | 70.7 | 130.7 |
| 166 | 129.3 | 107.5 | 167.5 |



#58
 Ethylbenzene
 Concen: 0.120 ppbv
 RT: 18.53 min Scan# 758
 Delta R.T. 0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

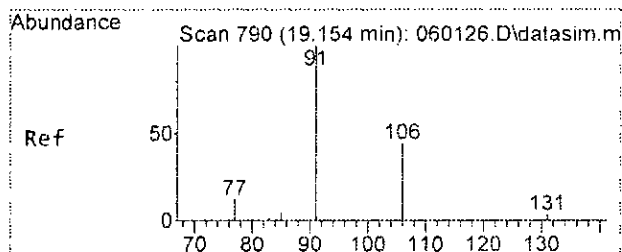
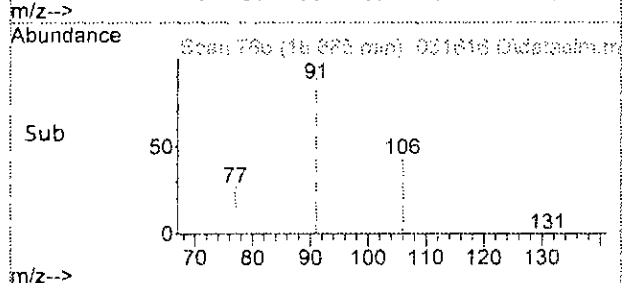
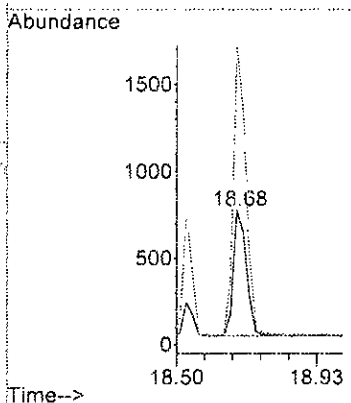
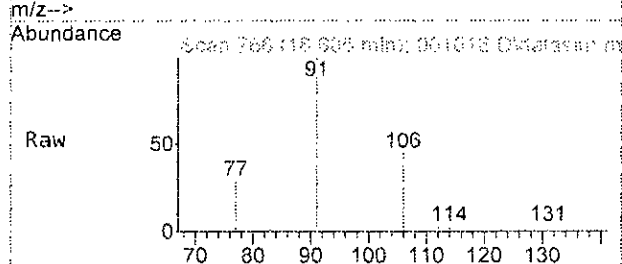
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 106 | 28.2 | 0.0 | 57.0 |





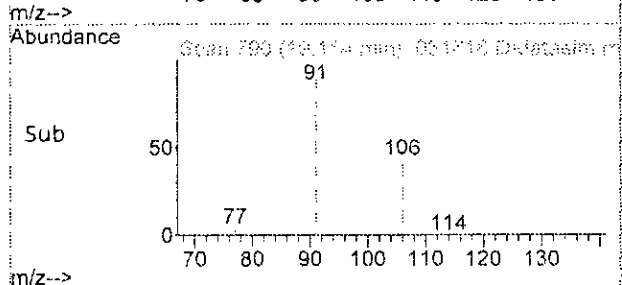
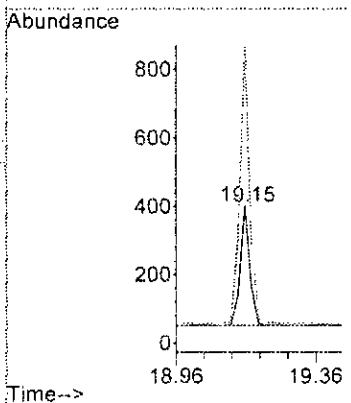
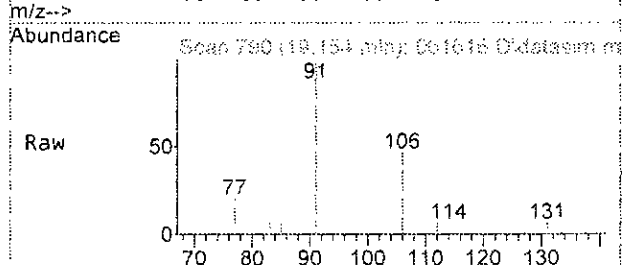
#65
 m,p-Xylene
 Concen: 0.495 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

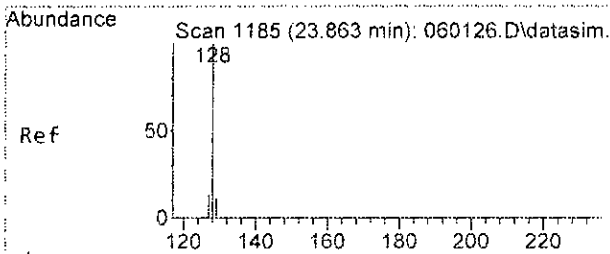
Tgt Ion: 106 Resp: 2024
 Ion Ratio Lower Upper
 106 100
 91 230.0 193.0 253.0



#66
 o-Xylene
 Concen: 0.189 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

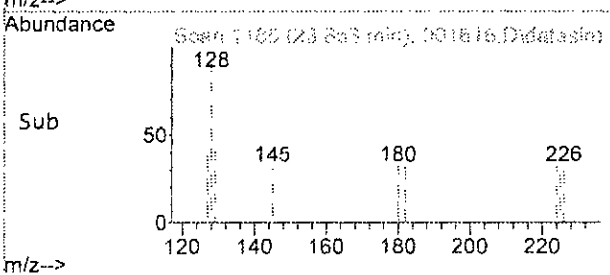
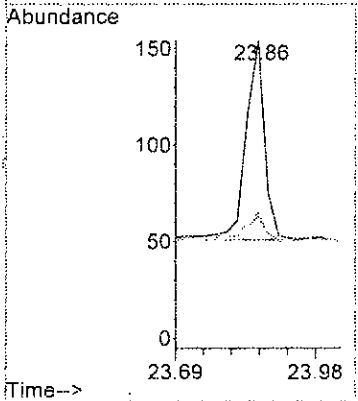
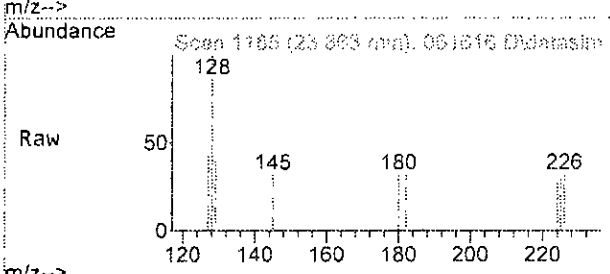
Tgt Ion: 106 Resp: 656
 Ion Ratio Lower Upper
 106 100
 91 233.0 194.4 254.4





#77
 Naphthalene
 Concen: 0.033 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061616.D
 Acq: 16 Jun 2023 7:47 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 10.7 | 0.0 | 41.0 |
| 127 | 14.6 | 0.0 | 43.2 |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19887 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 69140 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65902 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 42714 | 9.144 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 91.40% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Propene | 0.00 | | 0 | N.D. | | |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 610 | 0.071 | ppbv # | 42 |
| 4) Chloromethane | 3.73 | 50 | 260 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | | |
| 8) Butane | 0.00 | | 0 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. d | | |
| 12) Ethanol | 4.92 | 45 | 4180 | 3.302 | ppbv | 84 |
| 13) Acrolein | 0.00 | | 0 | N.D. | | |
| 14) Pentane | 0.00 | | 0 | N.D. | | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 16) Acetone | 5.58 | 58 | 124 | N.D. | | |
| 17) 2-Propanol | 5.84 | 45 | 381 | N.D. | | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 8.02 | 96 | 32 | N.D. | | |
| 20) Methylene chloride | 6.78 | 84 | 1010 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 0.00 | | 0 | N.D. | | |
| 24) Carbon disulfide | 7.25 | 76 | 161 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.54 | 43 | 1452 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 5803 | 0.729 | ppbv | 98 |
| 31) Ethyl acetate | 9.90 | 43 | 73913 | 9.449 | ppbv # | 98 |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | N.D. | | |
| 35) 1,1,1-Trichloroethane | 11.53 | 97 | 137 | N.D. | | |
| 36) Carbon tetrachloride | 0.00 | | 0 | N.D. | | |
| 37] Benzene | 12.58 | 78 | 1220m | 0.112 | ppbv | |
| 38) Cyclohexane | 13.11 | 84 | 141 | N.D. | | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. d | | |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/S.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

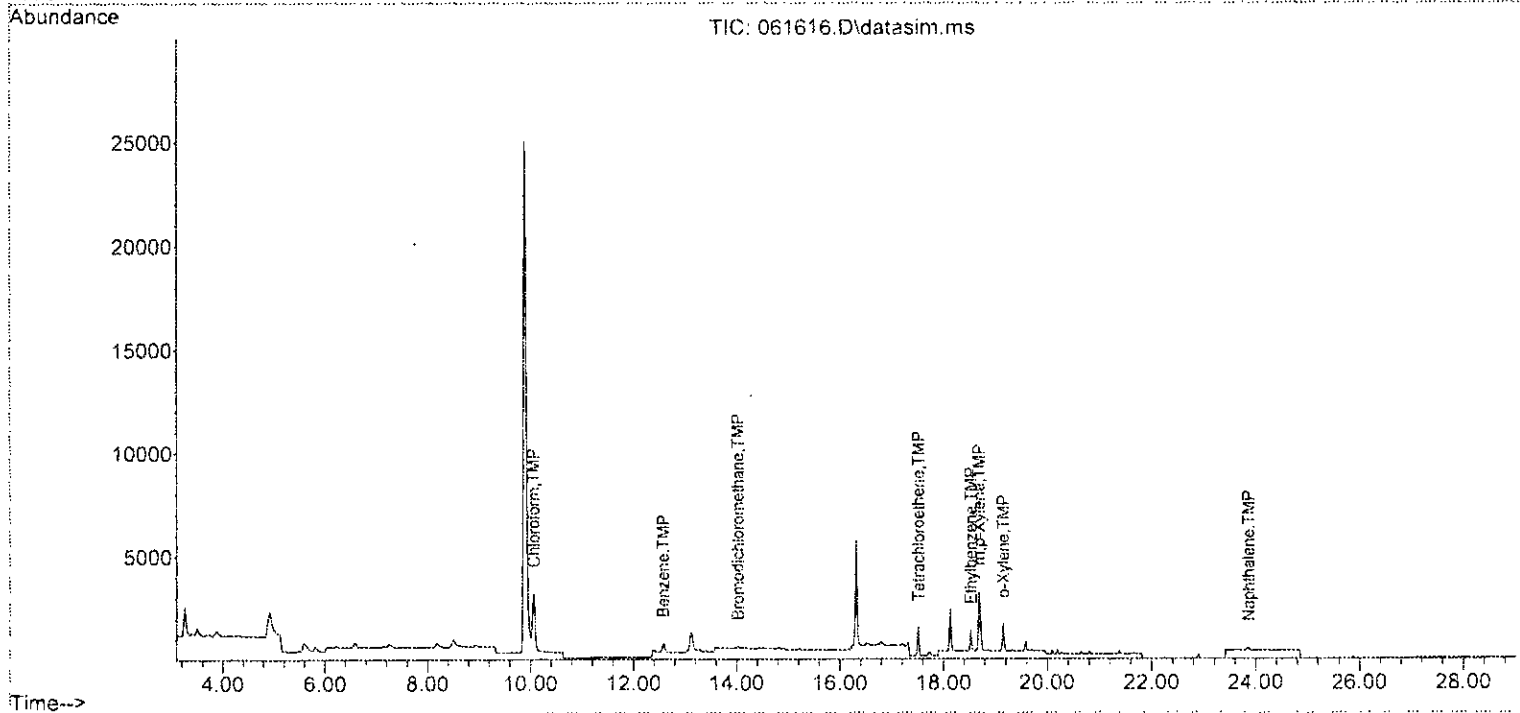
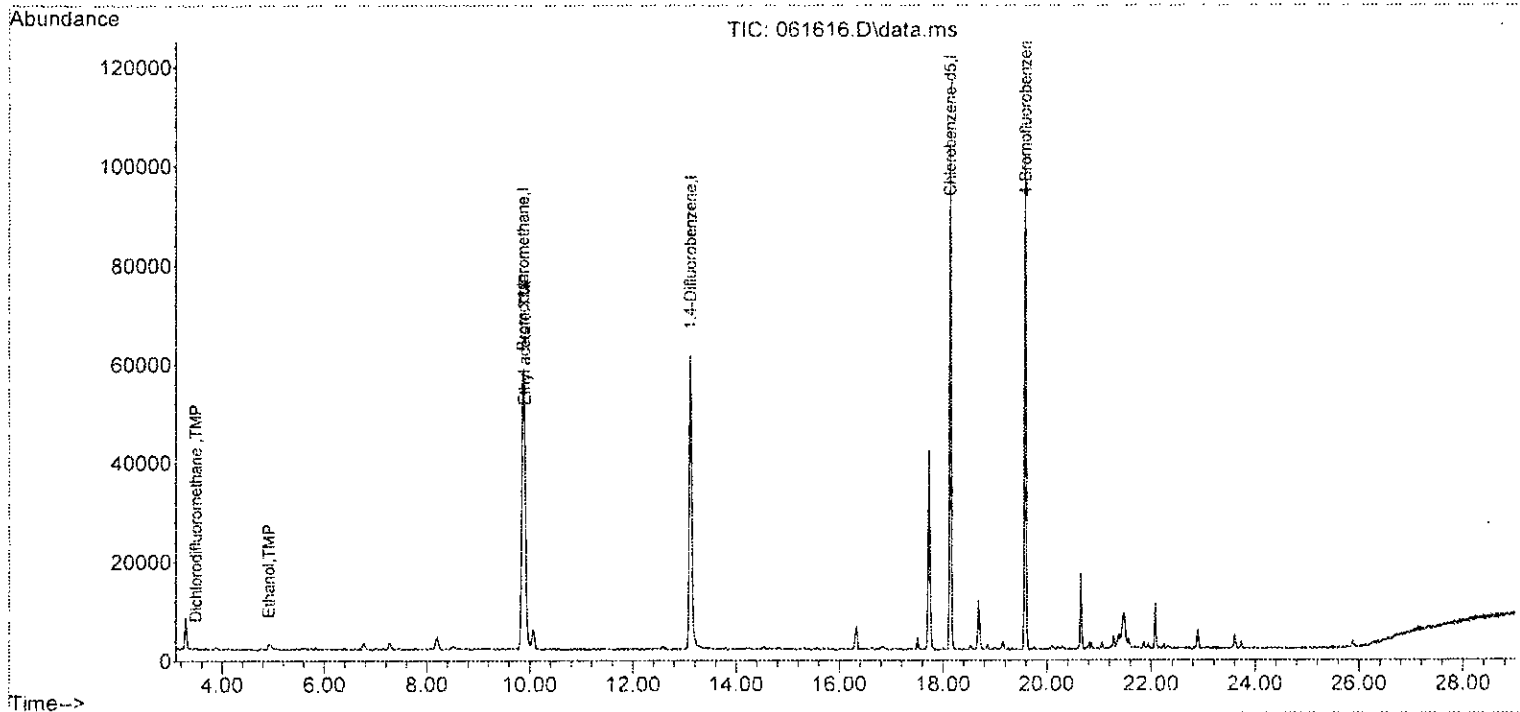
Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|-------|------|----------|------------|----------|
| 41) 1,4-Dioxane | 13.97 | 88 | 27 | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | |
| 43) Methyl methacrylate | 14.53 | 41 | 208 | N.D. | |
| 44) Heptane | 14.53 | 43 | 278 | N.D. | |
| 45] Bromodichloromethane | 14.02 | 83 | 155 | 0.023 ppbv | 98 |
| 46) Trichloroethene | 14.12 | 95 | 34 | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | |
| 50) Toluene | 16.31 | 92 | 4456 | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | |
| 52) 2-Hexanone | 16.81 | 43 | 213 | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 645m | 0.192 ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 1379 | 0.120 ppbv | 98 |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 43 | N.D. | |
| 60) Nonane | 19.32 | 43 | 173 | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 99 | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | |
| 63) Propylbenzene | 20.19 | 91 | 293 | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 1146 | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 2024 | 0.495 ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 656 | 0.189 ppbv | 95 |
| 67) Styrene | 0.00 | | 0 | N.D. | |
| 68) Bromoform | 0.00 | | 0 | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.29 | 105 | 1146 | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 898 | N.D. | |
| 73) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | |
| 74) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 268 | 0.033 ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | N.D. | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061616.D
 Acq On : 16 Jun 2023 7:47 pm
 Operator : bat
 Sample : 306242-02 1/5.2
 Misc : T4
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS7

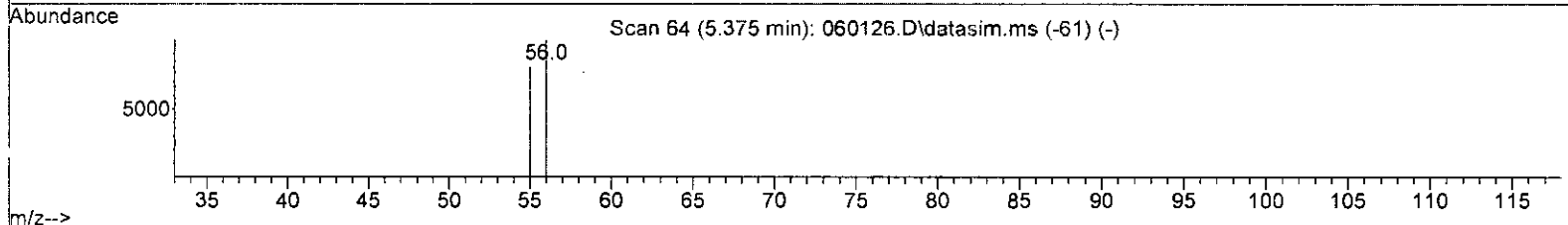
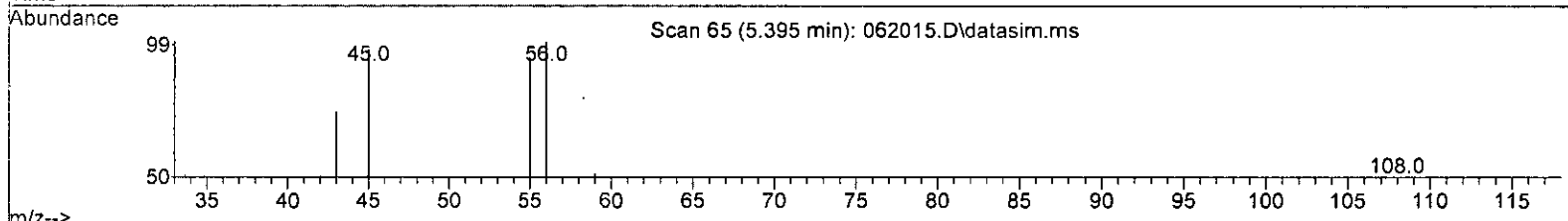
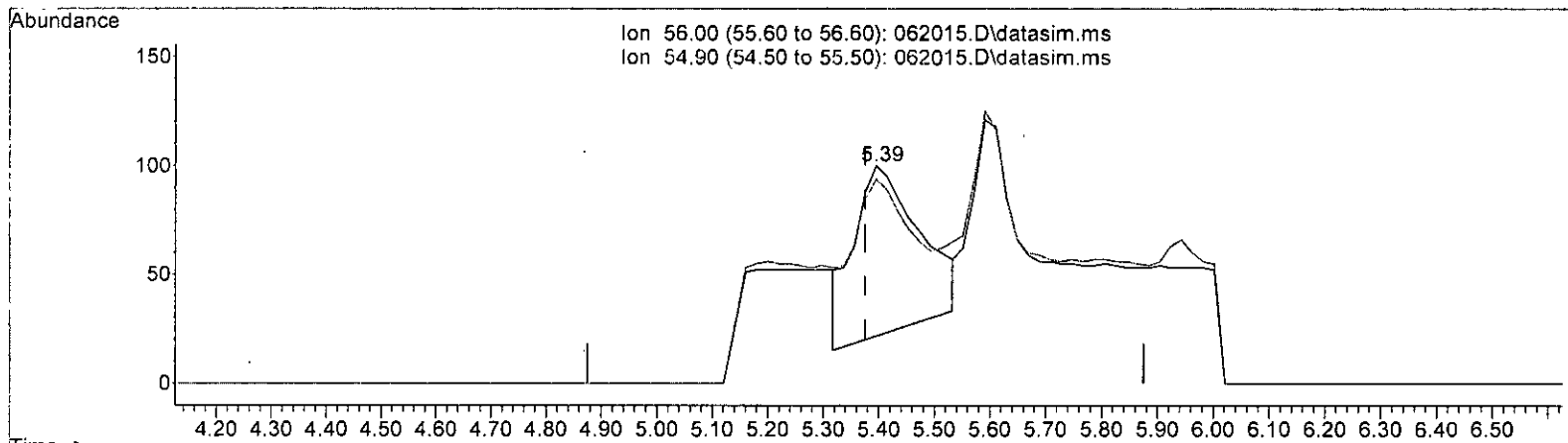
Quant Time: Jun 19 12:50:26 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062015.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.497 ppbv

response 641

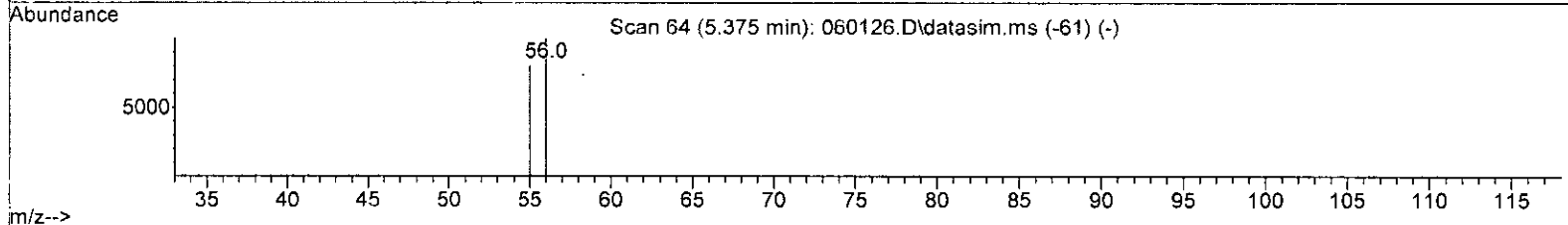
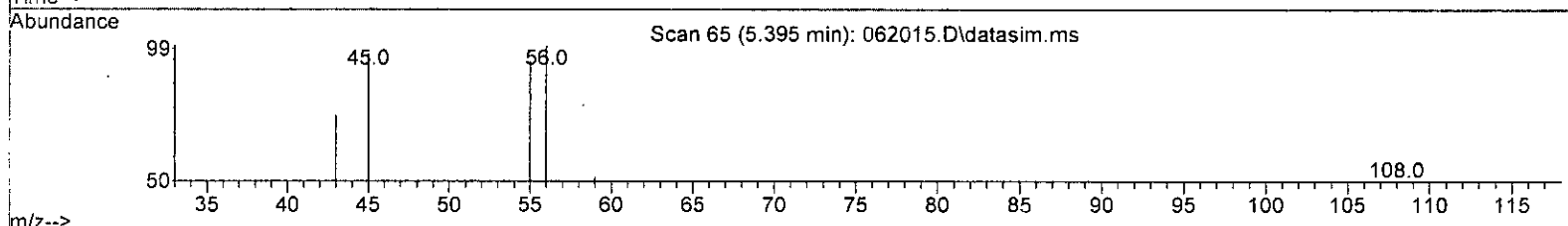
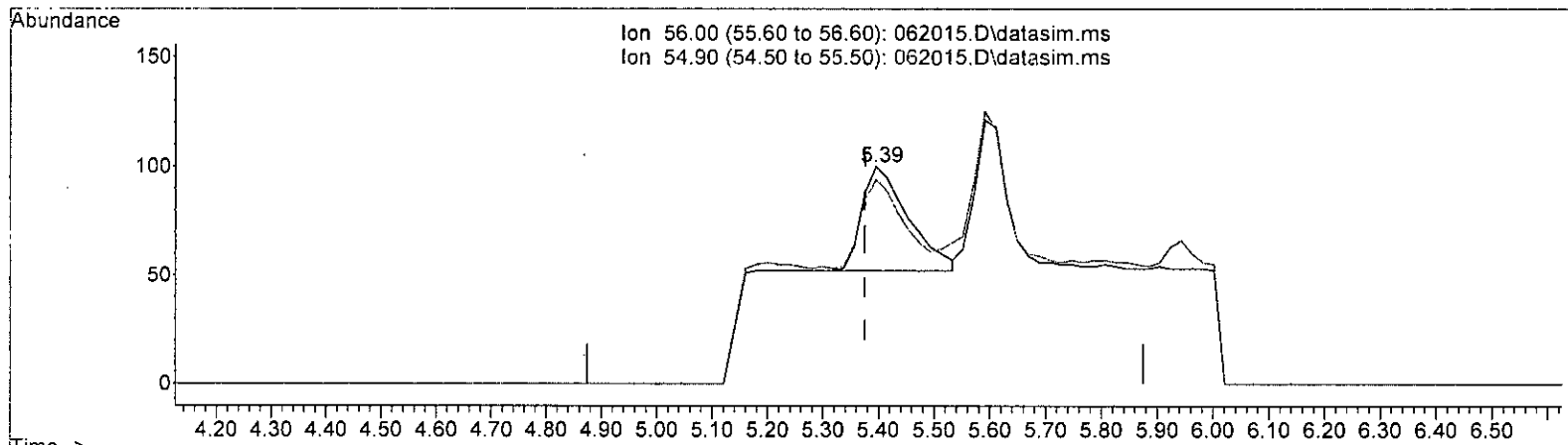
| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 78.32 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062015.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.216 ppbv m

response 279

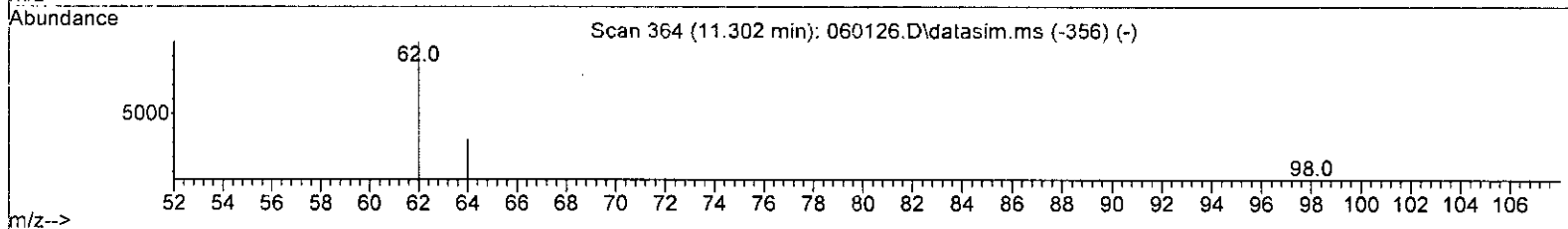
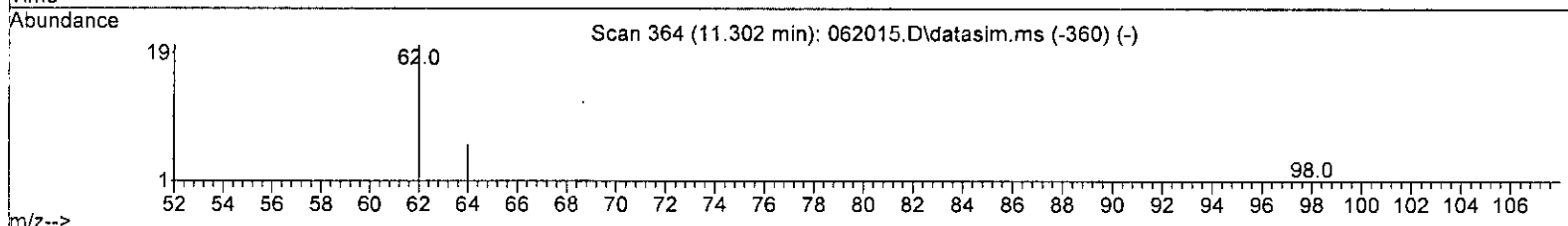
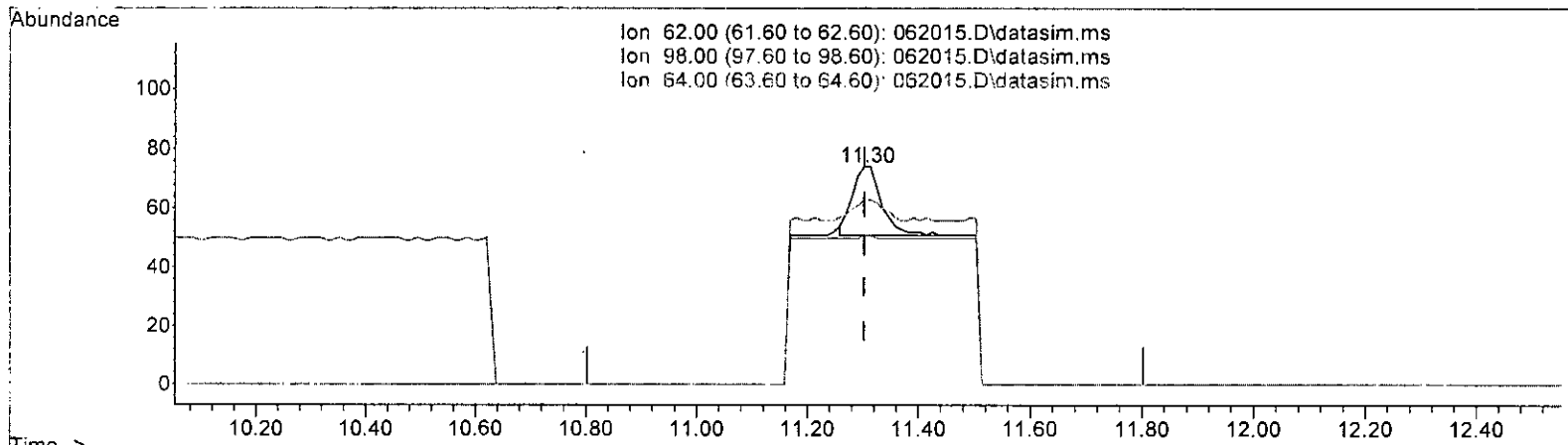
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 179.93# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



FIC: 062015.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.017 ppbv

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 4.35 |
| 64.00 | 33.00 | 30.43 |
| 0.00 | 0.00 | 0.00 |

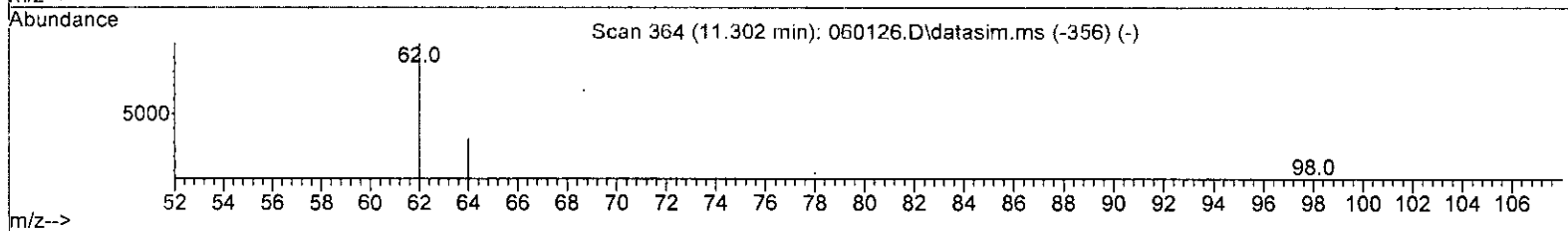
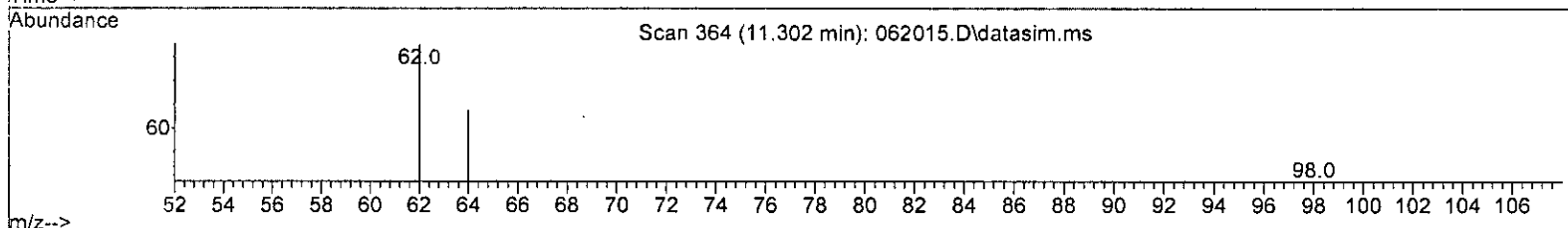
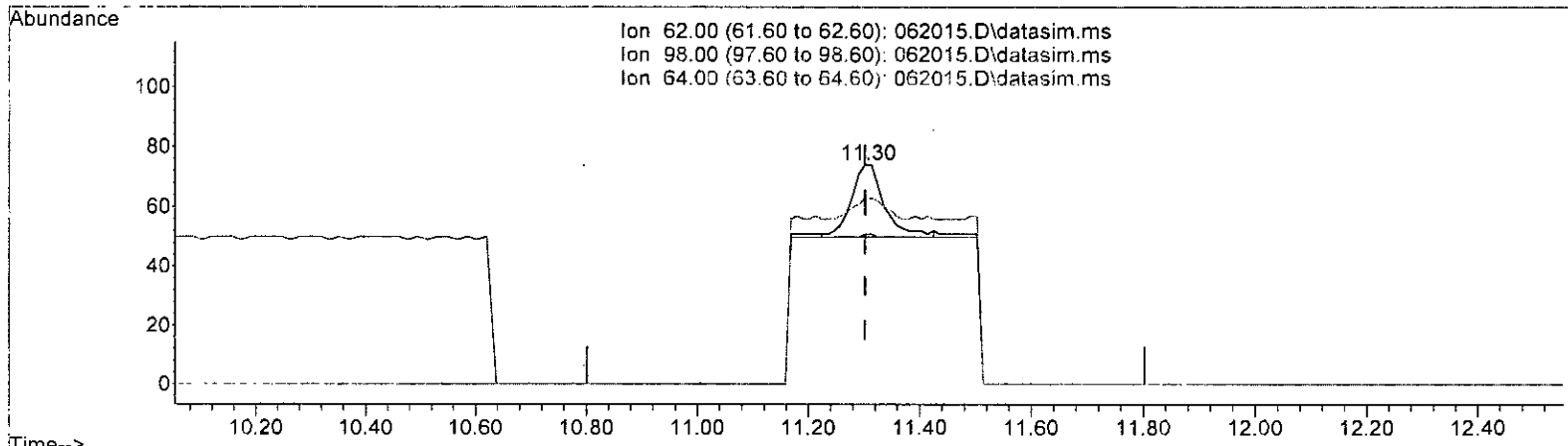
response 84

MD 01/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062015.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.020 ppbv m

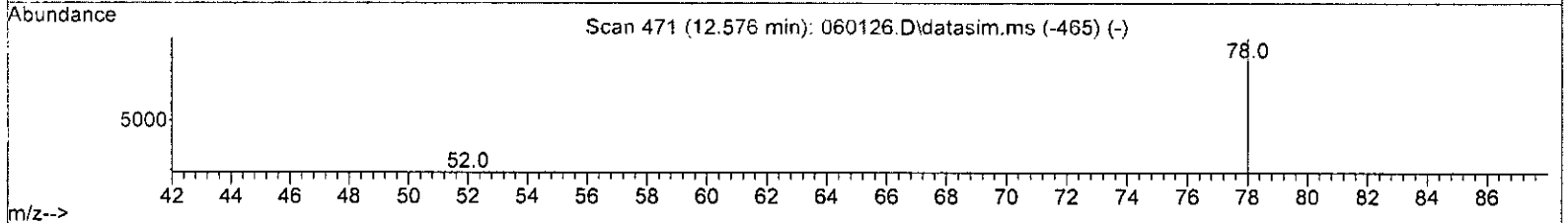
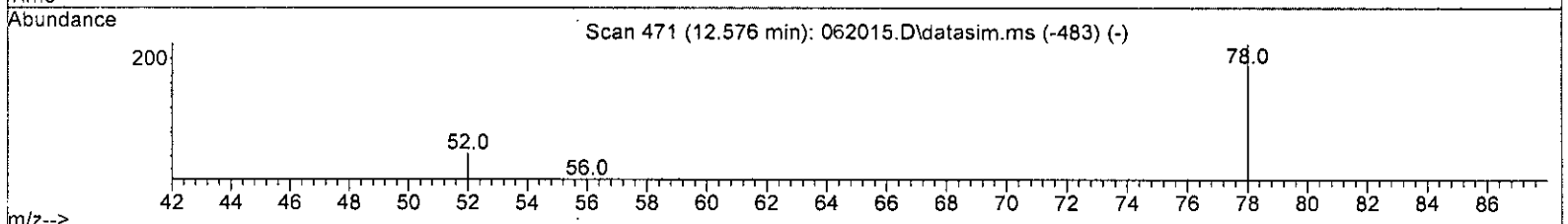
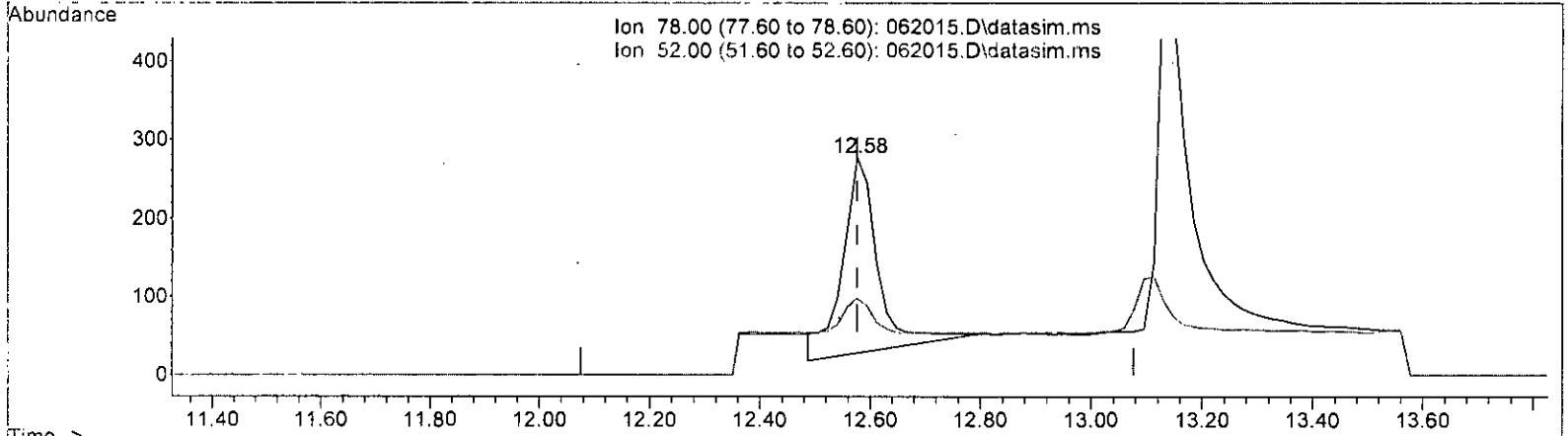
| response | 99 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 68.92# |
| 64.00 | 33.00 85.14# |
| 0.00 | 0.00 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062015.D\data.ms

| Ion | Exp% | Act% |
|-------|--------|--------|
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 19.56 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

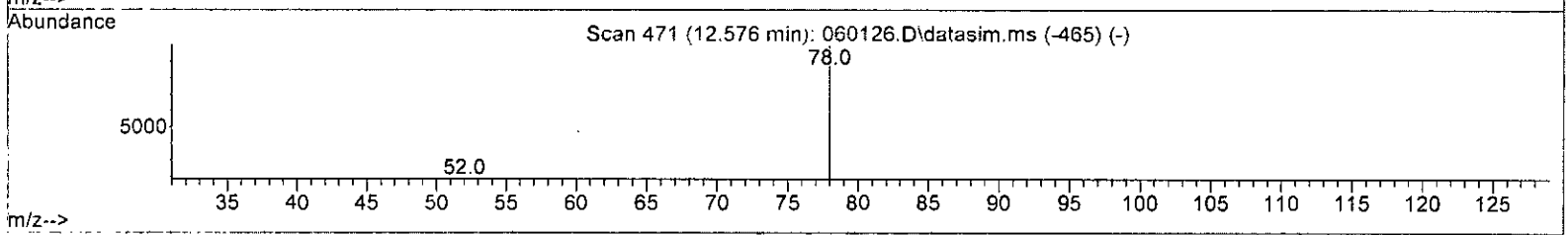
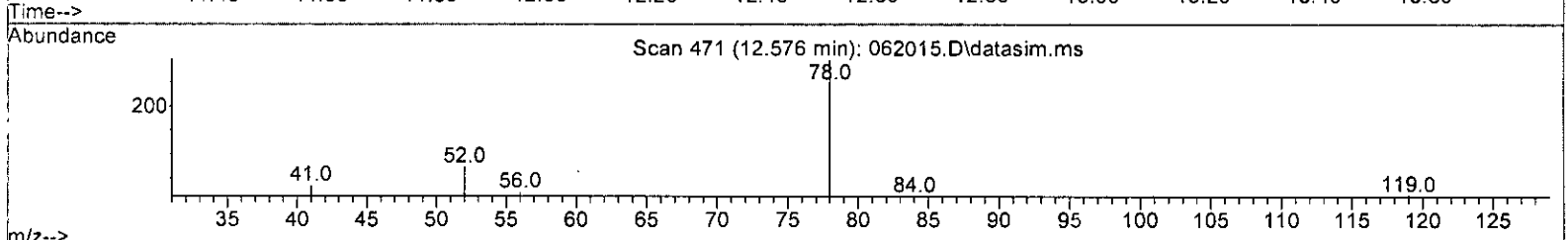
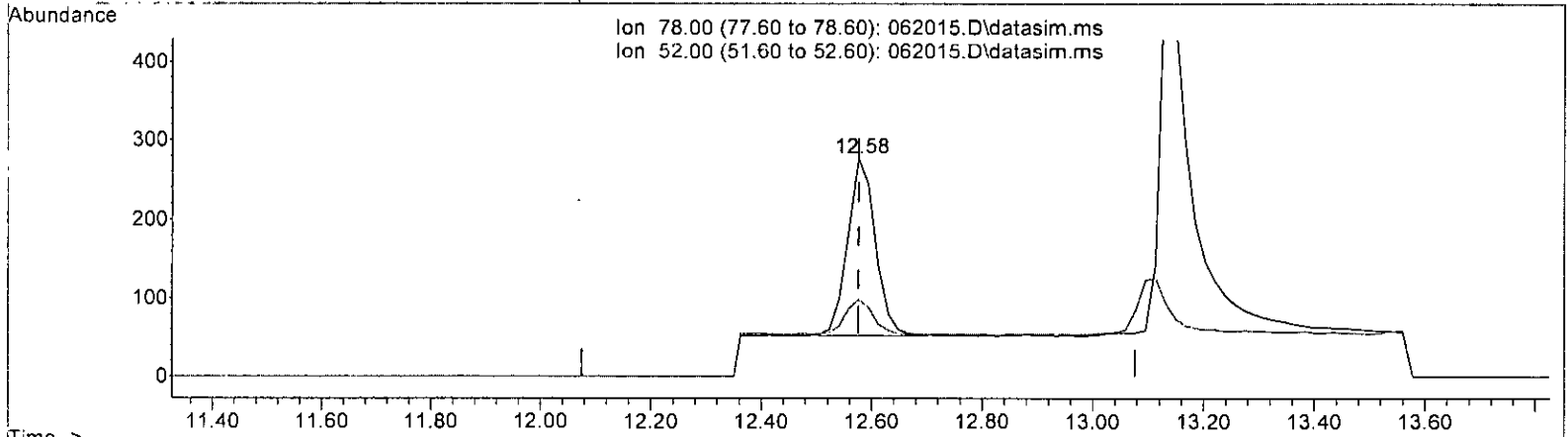
(37) Benzene (TMP)
 12.576min (+ 0.000) 0.105 ppbv
 response 1110

MD
 10/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062015.D\data.ms

(37) Benzene (TMP)
 12.576min (+ 0.000) 0.075 ppbv m
 response 793

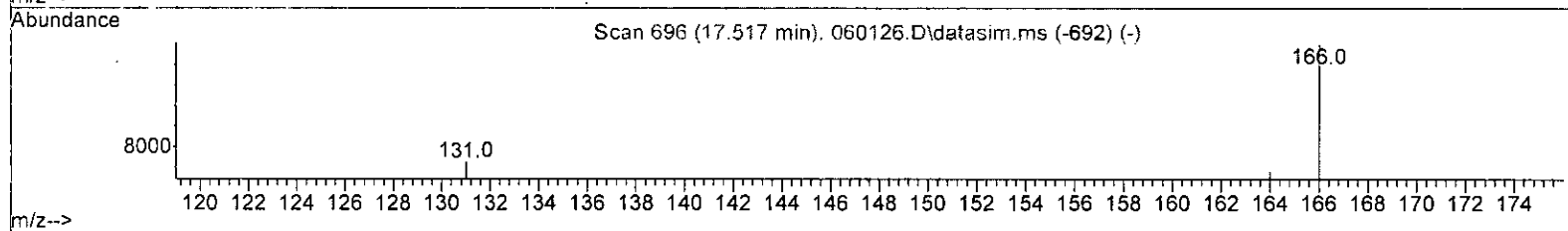
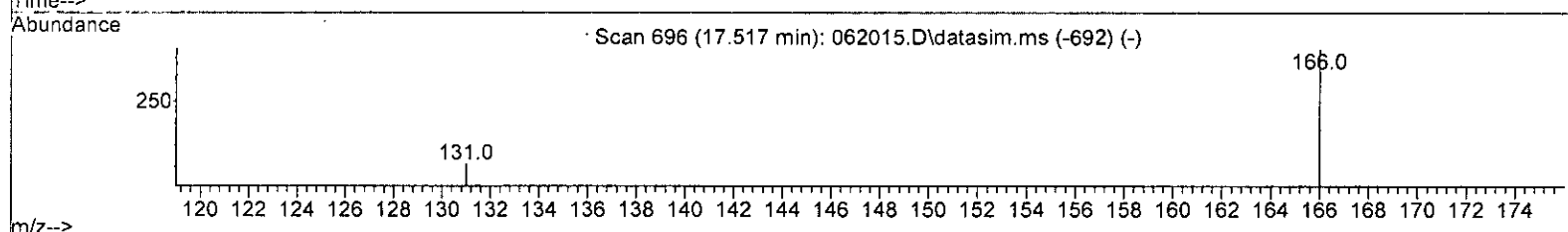
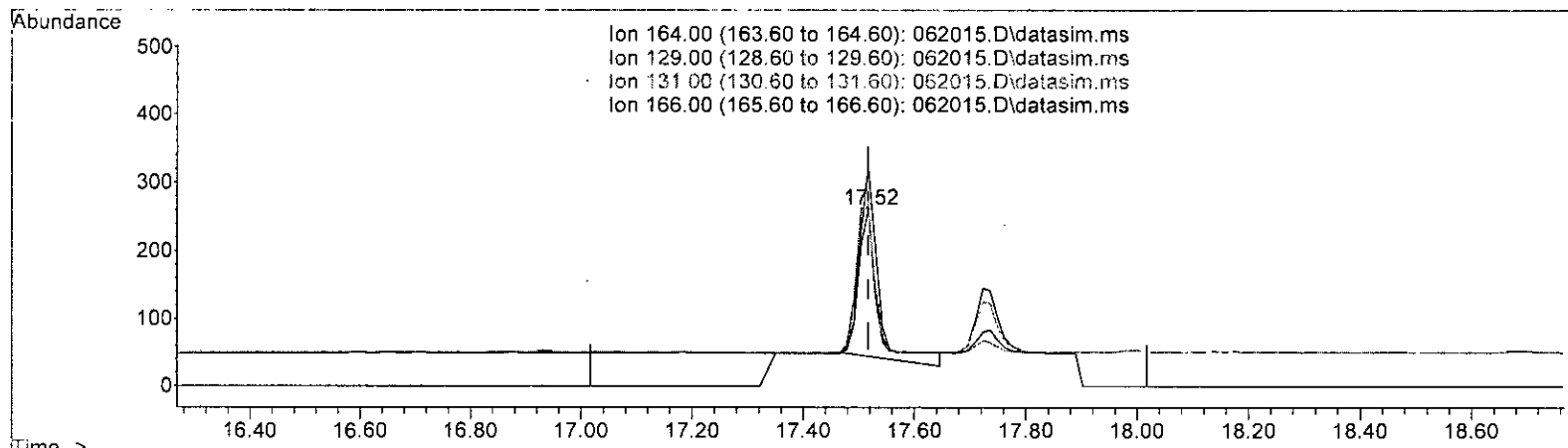
| Ion | Exp% | Act% |
|-------|--------|--------|
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 35.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062015.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.157 ppbv

response 531

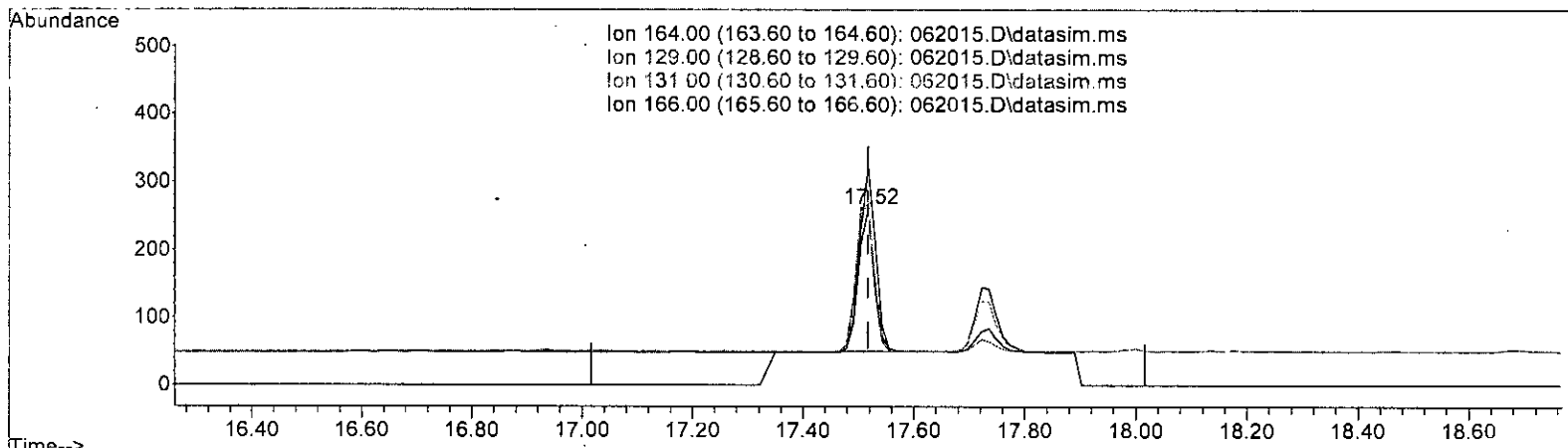
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.00 |
| 131.00 | 100.70 | 105.21 |
| 166.00 | 137.50 | 129.86 |

MD 6/21/23

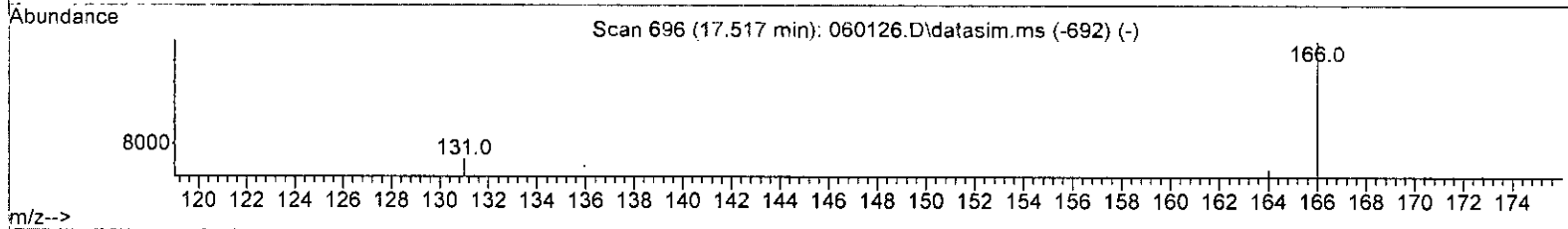
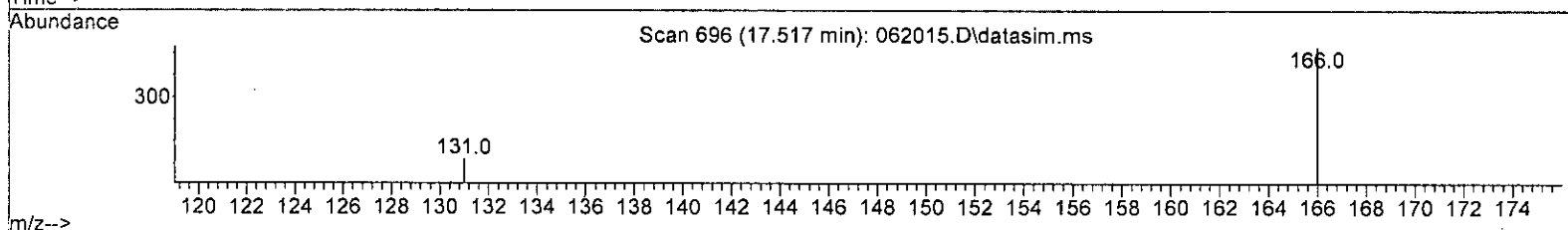
Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



Ion 164.00 (163.60 to 164.60): 062015.D\data.ms
 Ion 129.00 (128.60 to 129.60): 062015.D\data.ms
 Ion 131.00 (130.60 to 131.60): 062015.D\data.ms
 Ion 166.00 (165.60 to 166.60): 062015.D\data.ms



TIC: 062015.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.125 ppbv m

response 422

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.00 |
| 131.00 | 100.70 | 104.21 |
| 166.00 | 137.50 | 123.75 |

MD
012/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

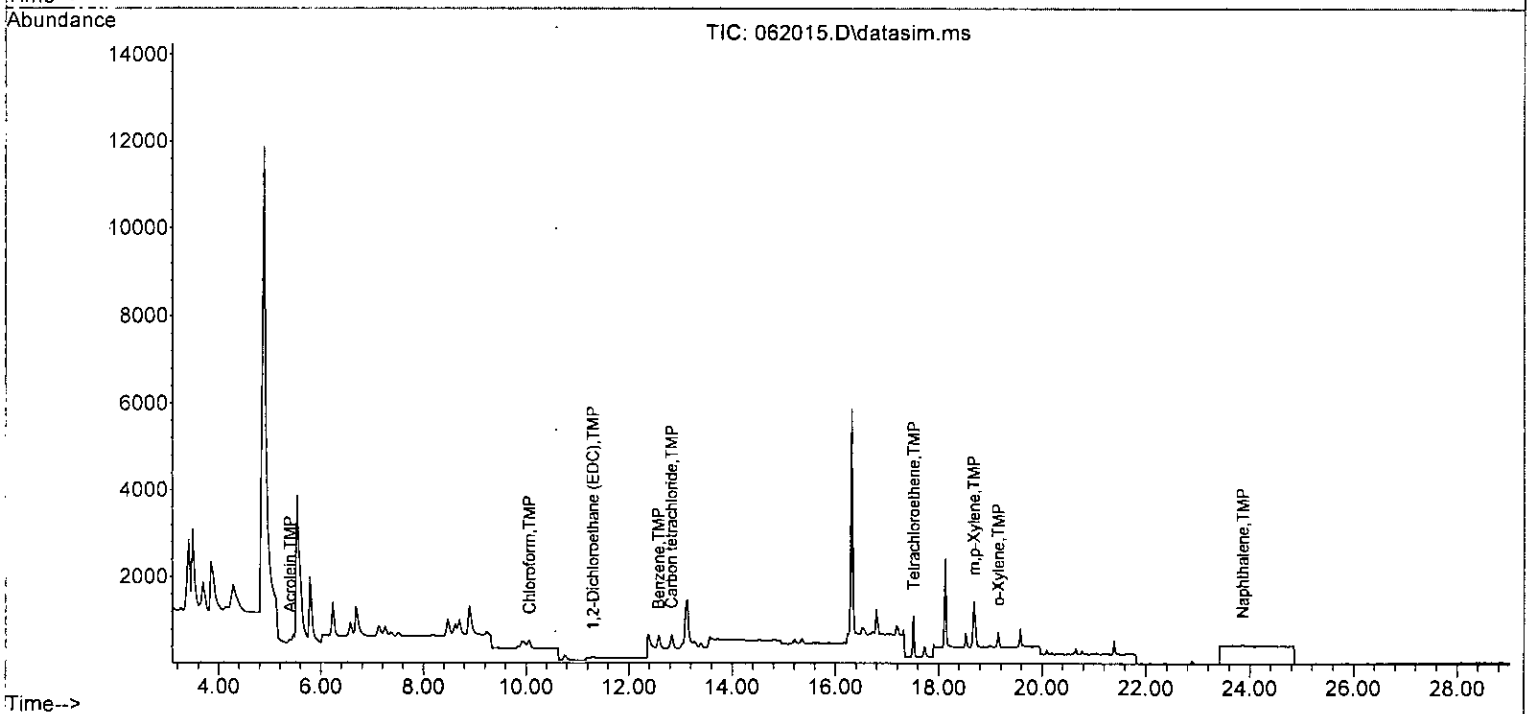
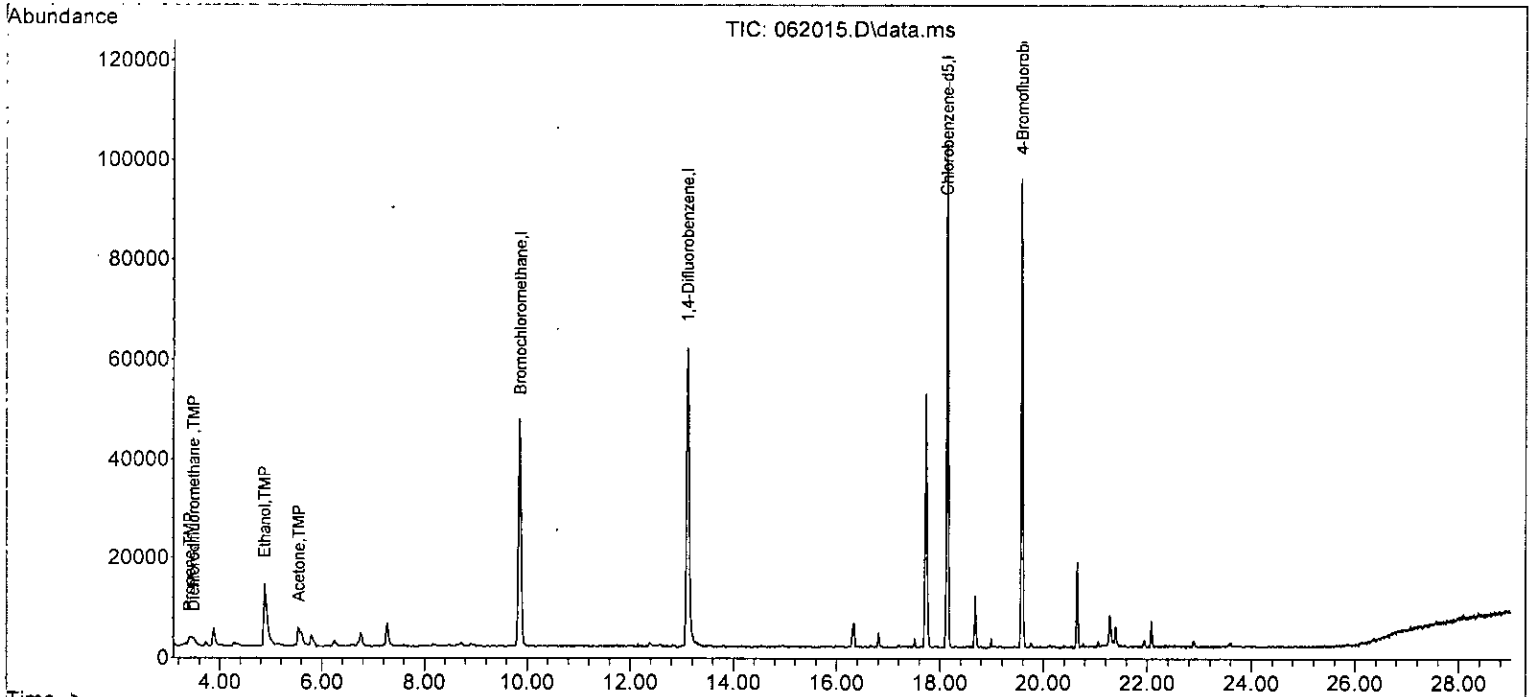
Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M

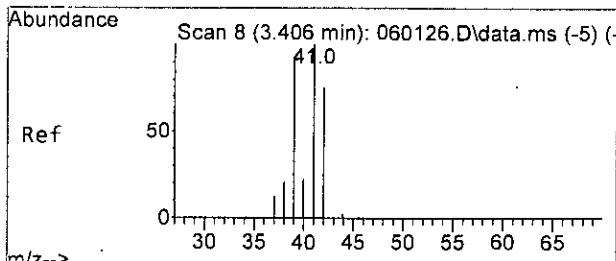
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19405 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 69597 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65416 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40919 | 8.825 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 88.30% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 1142 | 0.455 | ppbv | 77 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3665 | 0.438 | ppbv | 89 |
| 12) Ethanol | 4.88 | 45 | 35242 | 28.532 | ppbv | 96 |
| 13] Acrolein | 5.39 | 56 | 279m | 0.216 | ppbv | |
| 16) Acetone | 5.55 | 58 | 3221 | 2.407 | ppbv # | 76 |
| 30] Chloroform | 10.07 | 83 | 378 | 0.049 | ppbv | 99 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 99m | 0.020 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 501 | 0.073 | ppbv | 96 |
| 37] Benzene | 12.58 | 78 | 793m | 0.075 | ppbv | |
| 53] Tetrachloroethene | 17.52 | 164 | 422m | 0.125 | ppbv | |
| 65] m,p-Xylene | 18.68 | 106 | 627 | 0.154 | ppbv | 100 |
| 66] o-Xylene | 19.15 | 106 | 175 | 0.051 | ppbv | 96 |
| 77] Naphthalene | 23.86 | 128 | 83 | 0.010 | ppbv | 97 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

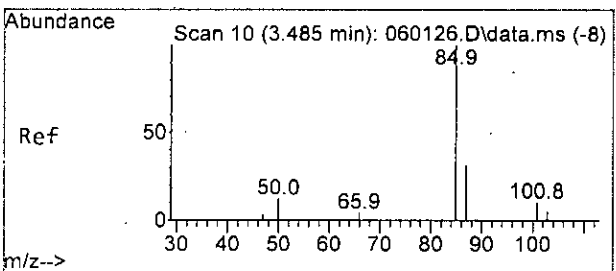
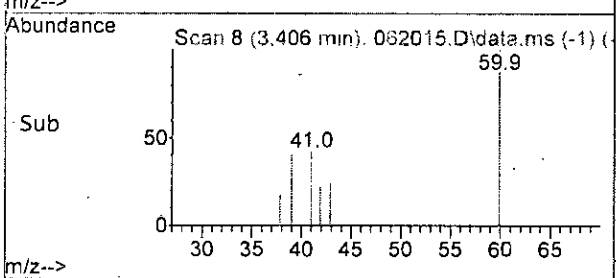
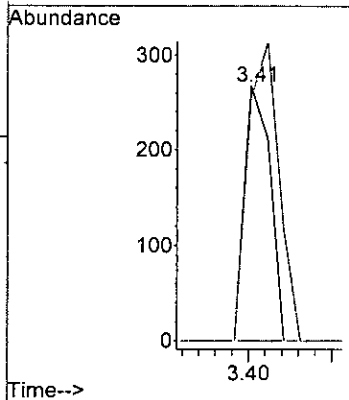
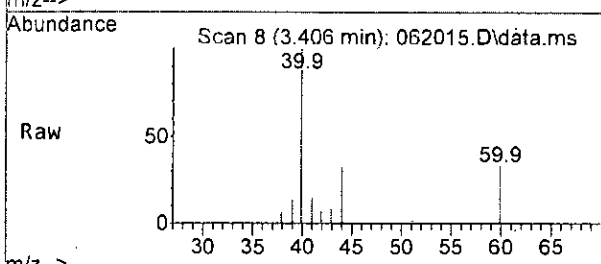
Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M





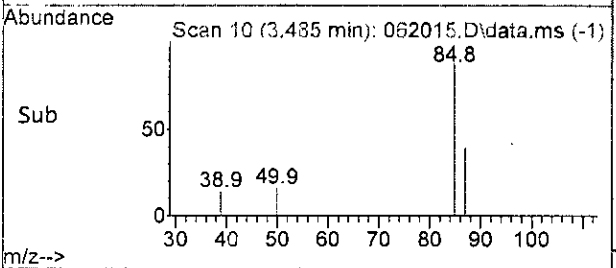
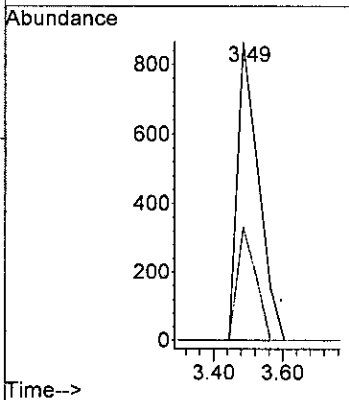
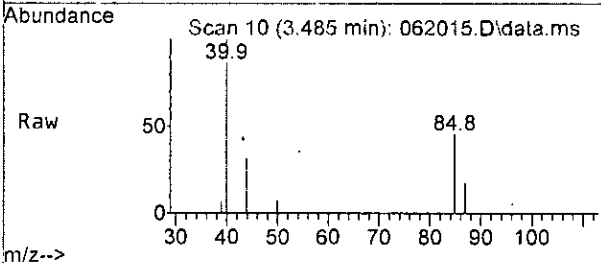
#2
 Propene
 Concen: 0.455 ppbv
 RT: 3.41 min Scan# 8
 Delta R.T. -0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

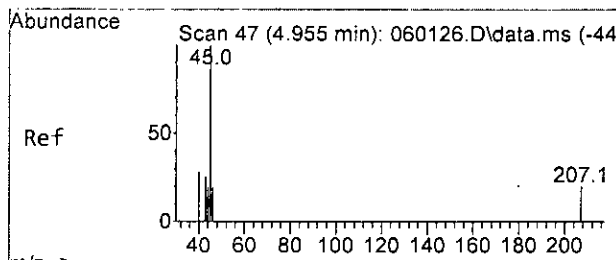
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 41 | 100 | | |
| 39 | 95.1 | 45.6 | 105.6 |
| 27 | 0.0 | 0.0 | 30.0 |



#3
 Dichlorodifluoromethane
 Concen: 0.438 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

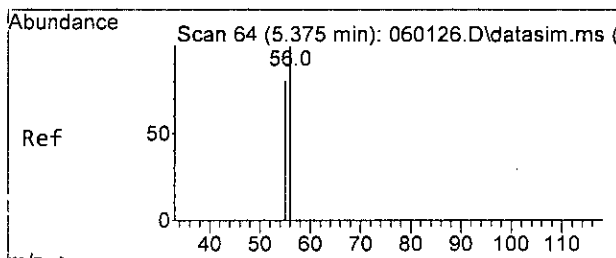
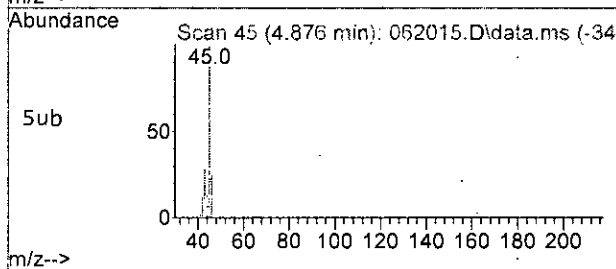
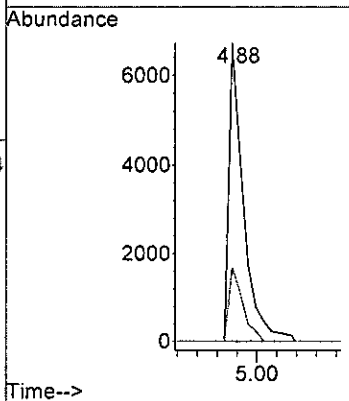
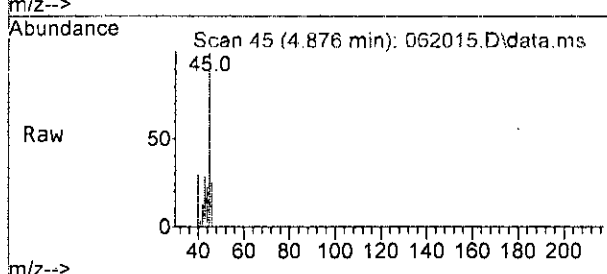
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 85 | 100 | | |
| 87 | 38.5 | 2.2 | 62.2 |





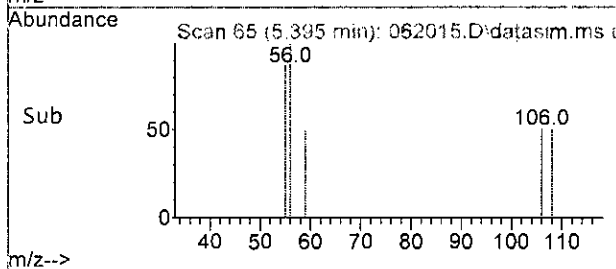
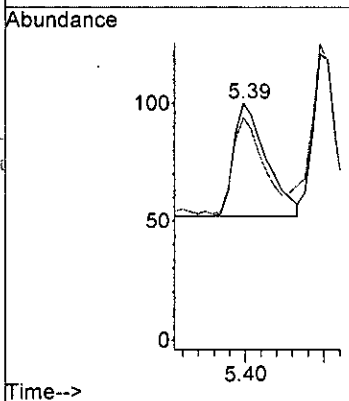
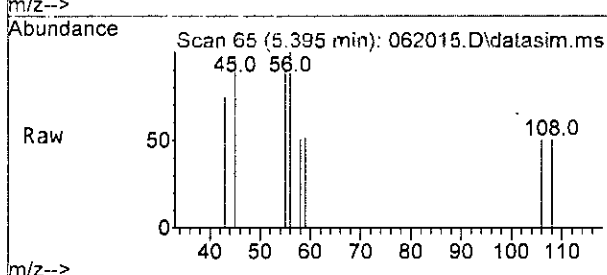
#12
 Ethanol
 Concen: 28.532 ppbv
 RT: 4.88 min Scan# 45
 Delta R.T. -0.079 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

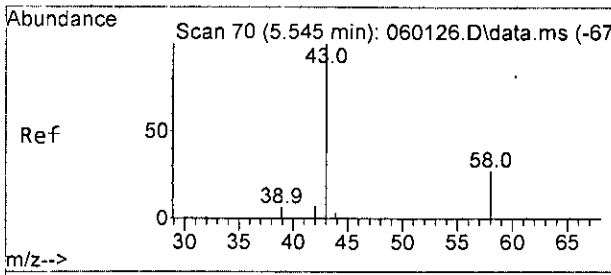
Tgt Ion: 45 Resp: 35242
 Ion Ratio Lower Upper
 45 100
 46 23.3 0.0 55.5



#13
 Acrolein
 Concen: 0.216 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

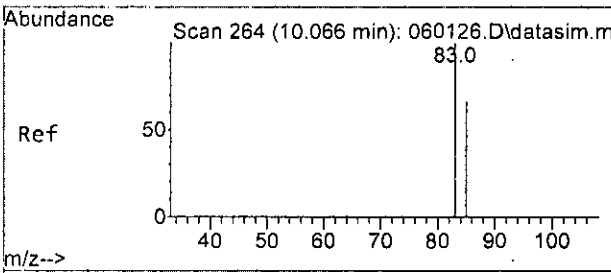
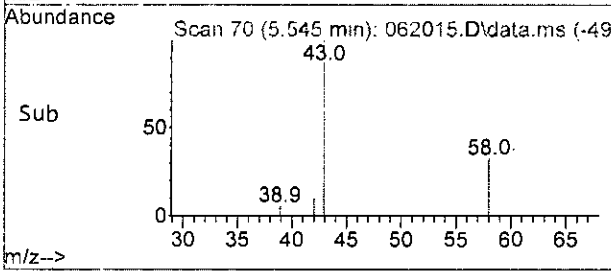
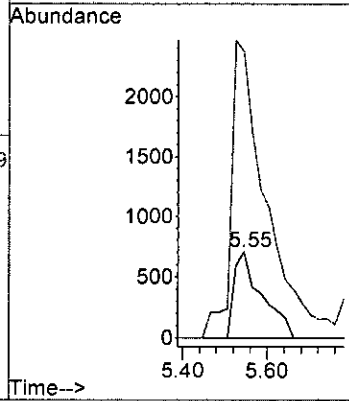
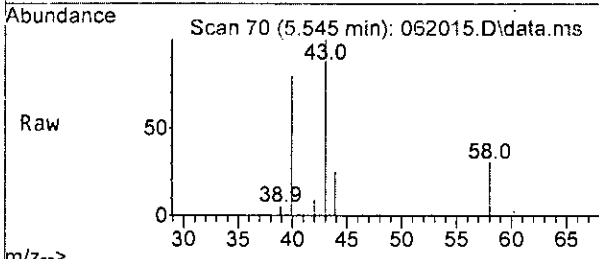
Tgt Ion: 56 Resp: 279
 Ion Ratio Lower Upper
 56 100
 55 179.9 51.0 111.0#





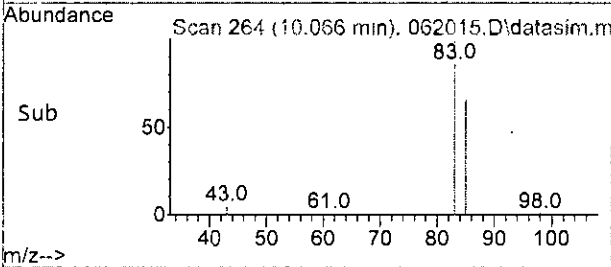
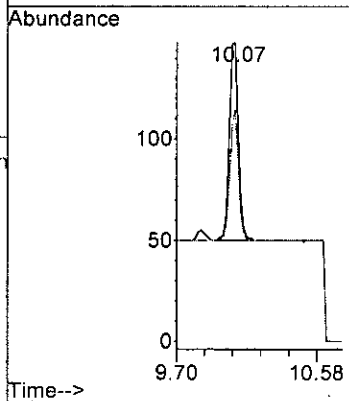
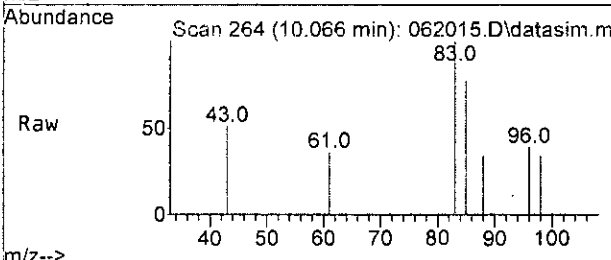
#16
 Acetone
 Concen: 2.407 ppbv
 RT: 5.55 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

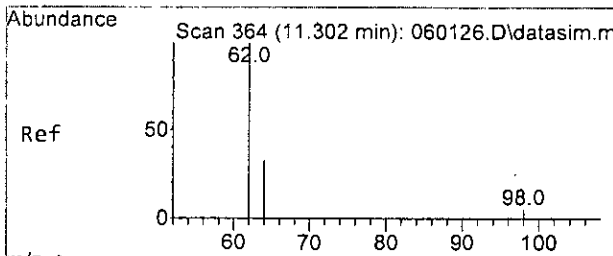
Tgt Ion: 58 Resp: 3221
 Ion Ratio Lower Upper
 58 100
 43 307.0 329.3 389.3#



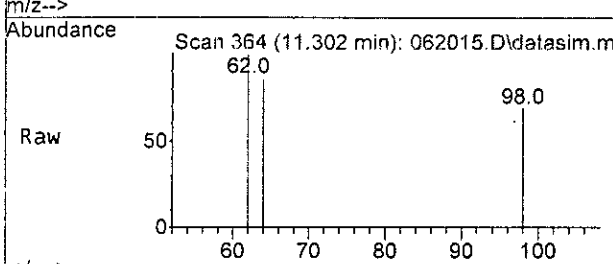
#30
 Chloroform
 Concen: 0.049 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

Tgt Ion: 83 Resp: 378
 Ion Ratio Lower Upper
 83 100
 85 65.3 36.3 96.3



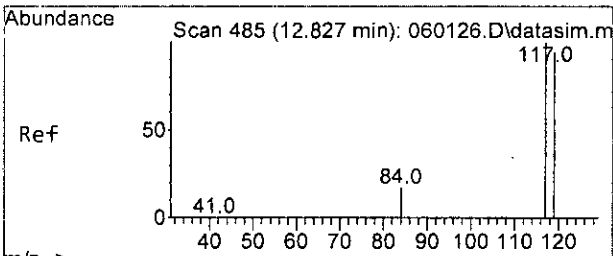
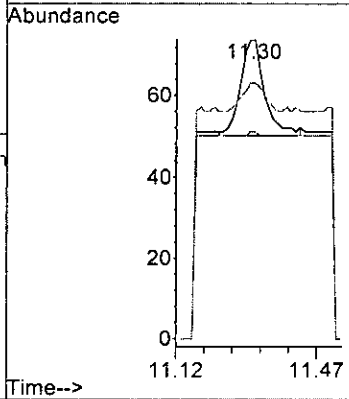
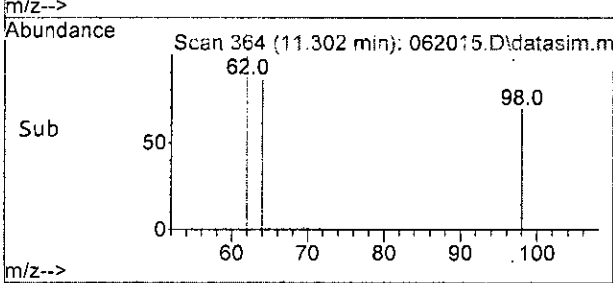


#34
 1,2-Dichloroethane (EDC)
 Concen: 0.020 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

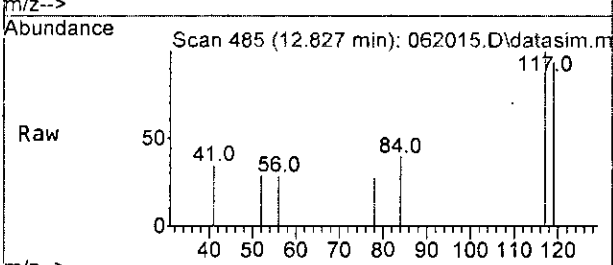


Tgt Ion: 62 Resp: 99

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62 | 100 | | |
| 98 | 68.9 | 0.0 | 35.3# |
| 64 | 85.1 | 3.0 | 63.0# |

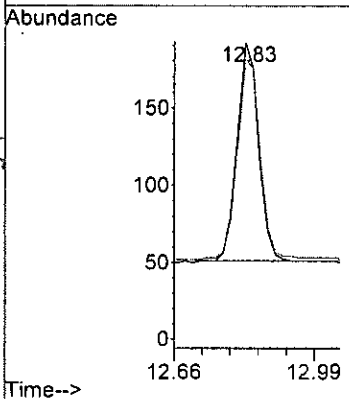
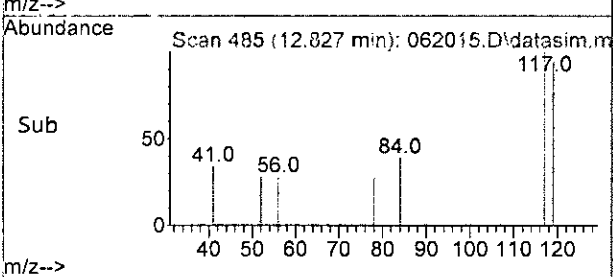


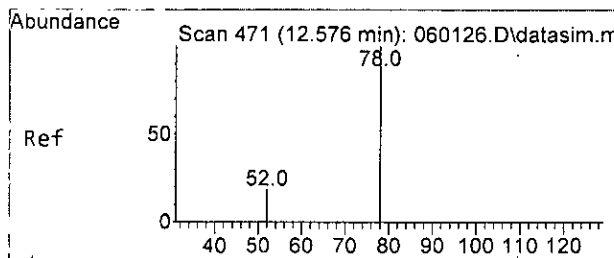
#36
 Carbon tetrachloride
 Concen: 0.073 ppbv
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm



Tgt Ion: 117 Resp: 501

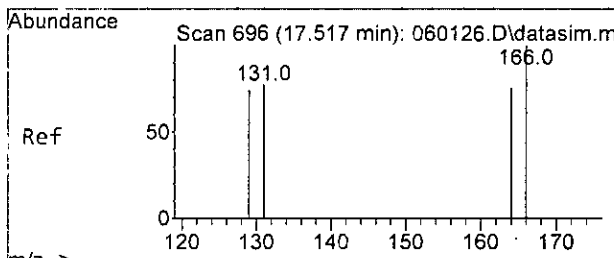
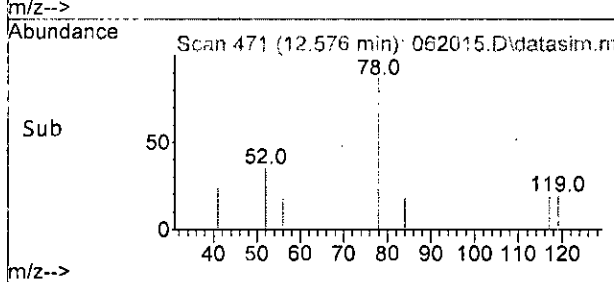
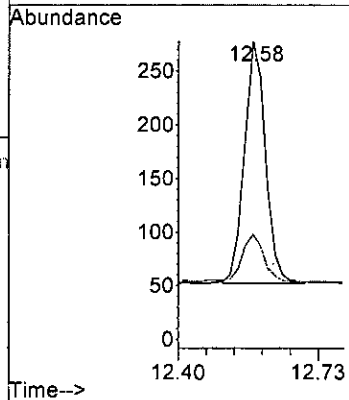
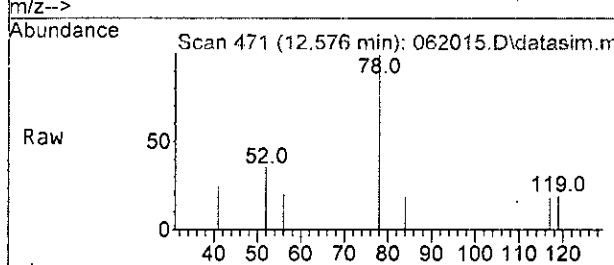
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100 | | |
| 119 | 90.8 | 64.6 | 124.6 |





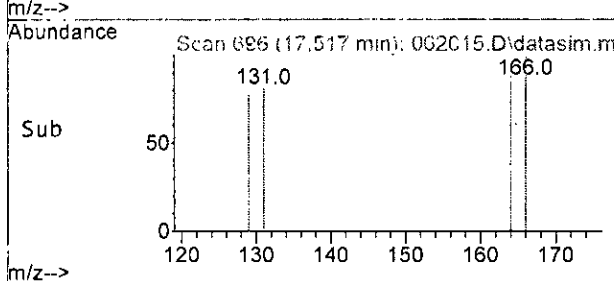
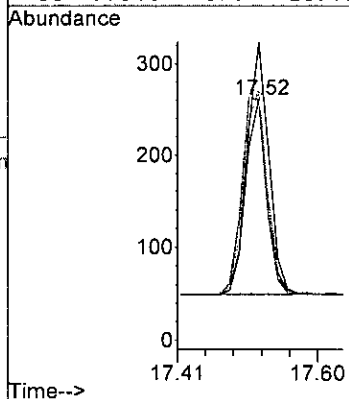
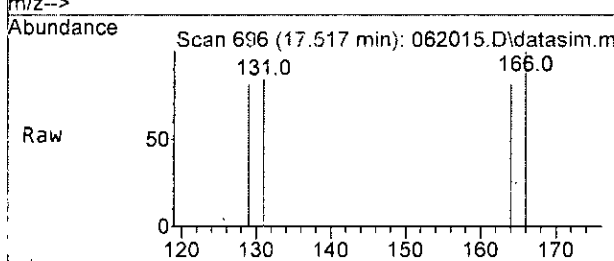
#37
Benzene
Concen: 0.075 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 062015.D
Acq: 20 Jun 2023 10:16 pm

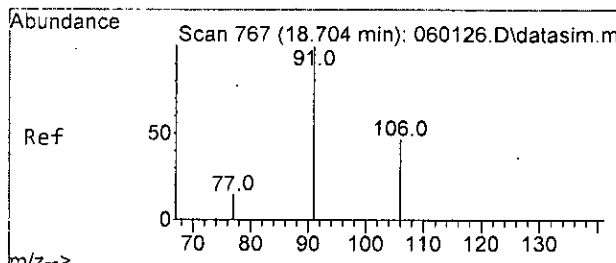
Tgt Ion: 78 Resp: 793
Ion Ratio Lower Upper
78 100
52 35.4 0.0 49.7



#53
Tetrachloroethene
Concen: 0.125 ppbv m
RT: 17.52 min Scan# 696
Delta R.T. -0.000 min
Lab File: 062015.D
Acq: 20 Jun 2023 10:16 pm

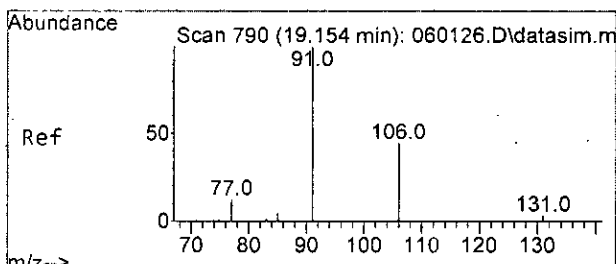
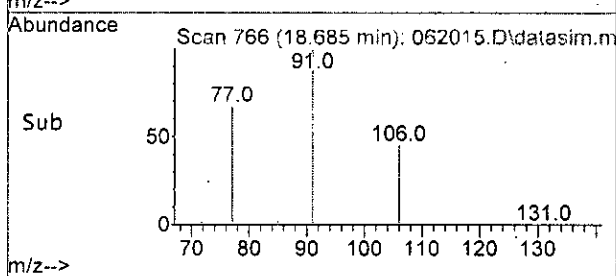
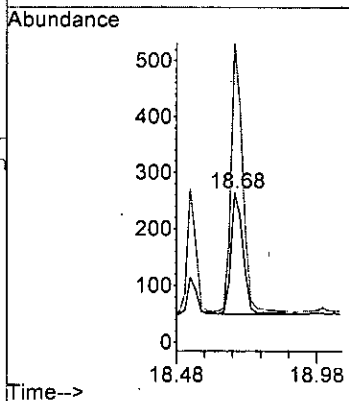
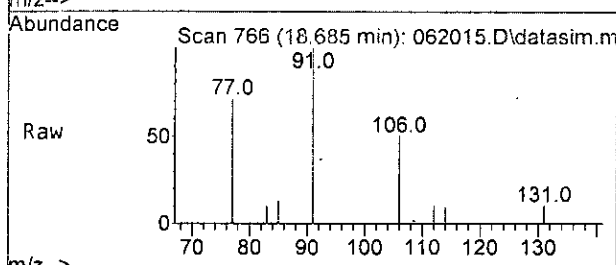
Tgt Ion: 164 Resp: 422
Ion Ratio Lower Upper
164 100
129 100.0 63.2 123.2
131 104.2 70.7 130.7
166 123.8 107.5 167.5





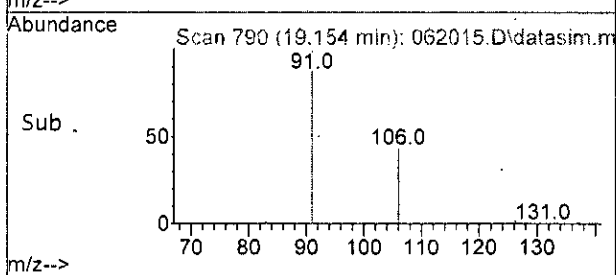
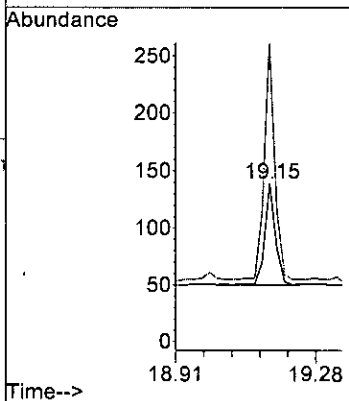
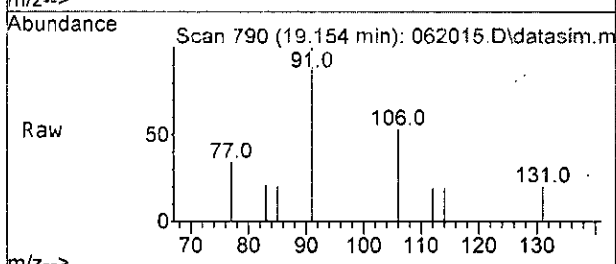
#65
 m,p-Xylene
 Concen: 0.154 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

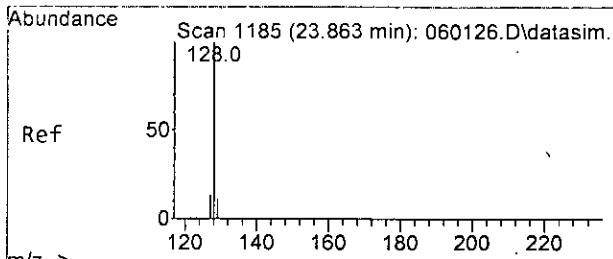
Tgt Ion:106 Resp: 627
 Ion Ratio Lower Upper
 106 100
 91 223.5 193.0 253.0



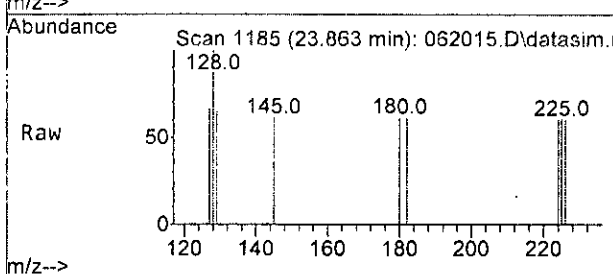
#66
 o-Xylene
 Concen: 0.051 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm

Tgt Ion:106 Resp: 175
 Ion Ratio Lower Upper
 106 100
 91 231.5 194.4 254.4



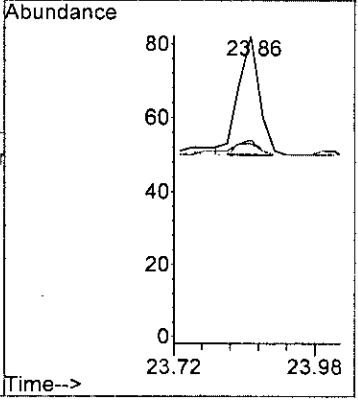
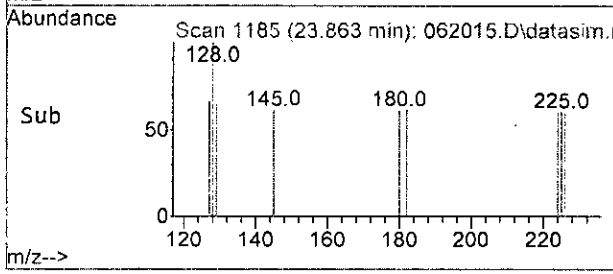


#77
 Naphthalene
 Concen: 0.010 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062015.D
 Acq: 20 Jun 2023 10:16 pm



Tgt Ion: 128 Resp: 83

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 9.4 | 0.0 | 41.0 |
| 127 | 12.5 | 0.0 | 43.2 |



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19405 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 69597 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 65416 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40919 | 8.825 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 88.30% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 1142 | 0.455 | ppbv | 77 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3665 | 0.438 | ppbv | 89 |
| 4) Chloromethane | 3.69 | 50 | 1669 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 4.32 | 43 | 1793 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.88 | 45 | 35242 | 28.532 | ppbv | 96 |
| 13] Acrolein | 5.39 | 56 | 279m | 0.216 | ppbv | |
| 14) Pentane | 6.25 | 43 | 1168 | N.D. | | |
| 15) Trichlorofluoromethane | 5.82 | 101 | 1329 | N.D. | | |
| 16) Acetone | 5.55 | 58 | 3221 | 2.407 | ppbv | # 76 |
| 17) 2-Propanol | 5.80 | 45 | 3690 | N.D. | | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 20) Methylene chloride | 6.75 | 84 | 2280 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 7.12 | 101 | 196 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 733 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 9.44 | 96 | 21 | N.D. | | |
| 29) Hexane | 10.01 | 57 | 123 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 378 | 0.049 | ppbv | 99 |
| 31) Ethyl acetate | 9.92 | 43 | 768 | N.D. | | |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 99m | 0.020 | ppbv | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 501 | 0.073 | ppbv | 96 |
| 37] Benzene | 12.58 | 78 | 793m | 0.075 | ppbv | |
| 38) Cyclohexane | 13.11 | 84 | 341 | N.D. | | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

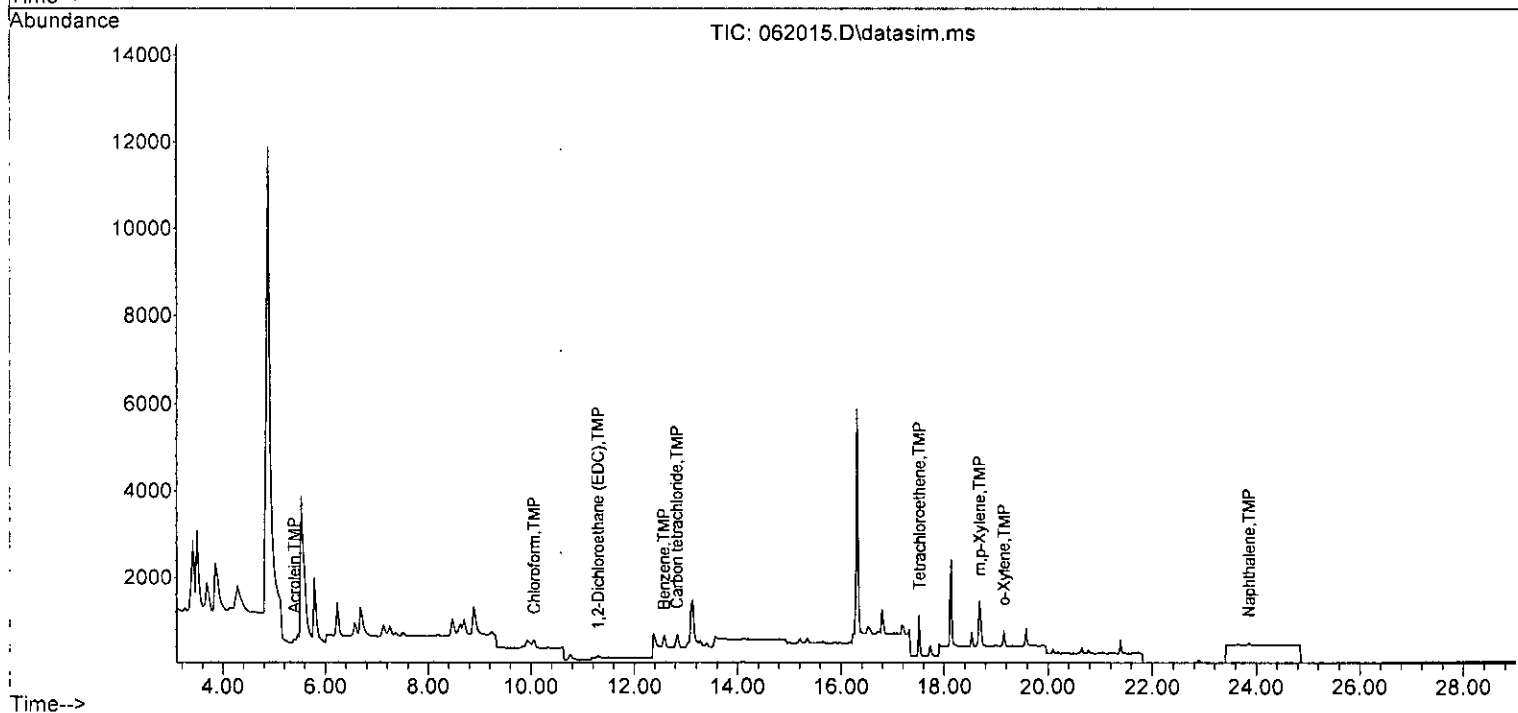
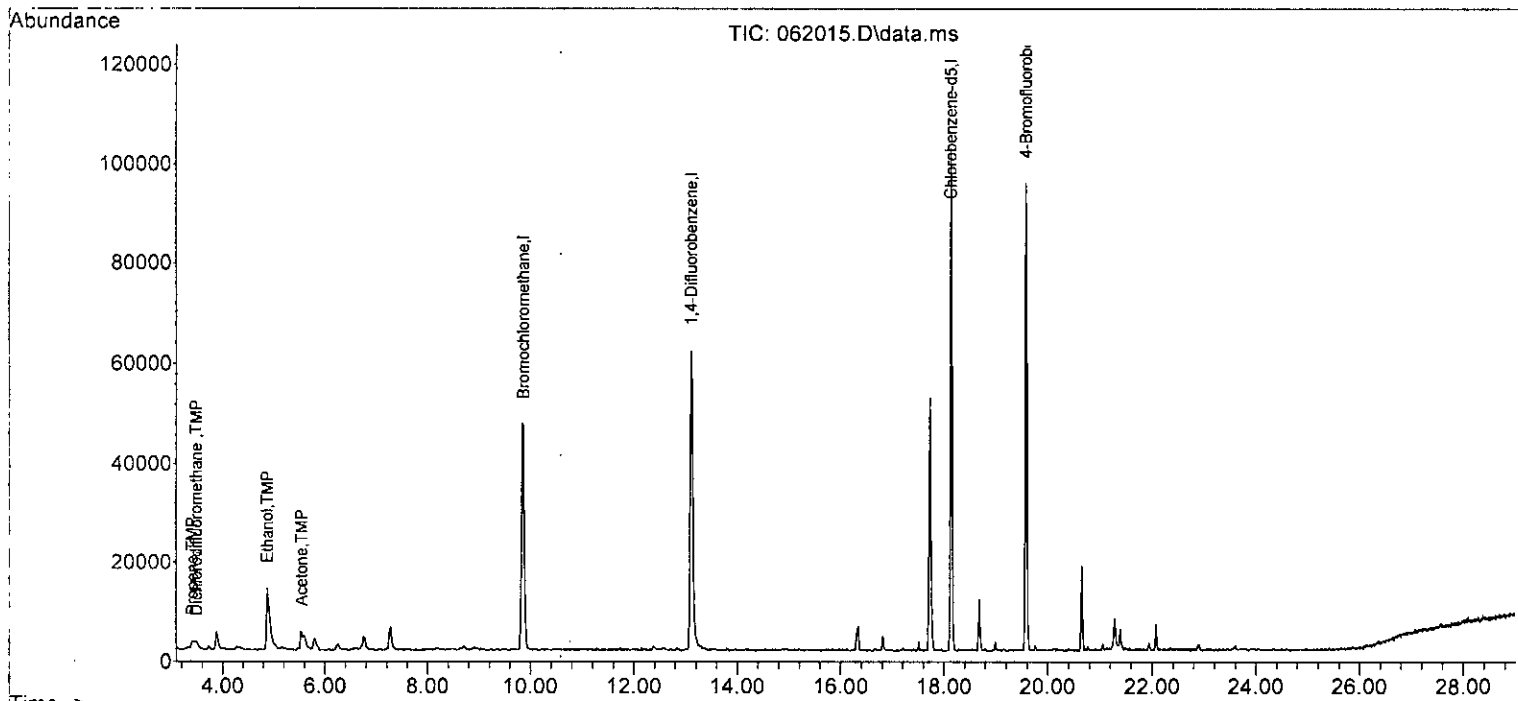
Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 14.53 | 41 | 185 | | N.D. | |
| 44) Heptane | 14.53 | 43 | 269 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 5359 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.56 | 43 | 217 | | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 422m | 0.125 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | d |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 453 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 26 | | N.D. | |
| 60) Nonane | 18.99 | 43 | 471 | | N.D. | |
| 61) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 0.00 | | 0 | | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 115 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 627 | 0.154 | ppbv | 100 |
| 66] o-Xylene | 19.15 | 106 | 175 | 0.051 | ppbv | 96 |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. | d |
| 71) 1,3,5-Trimethylbenzene | 20.29 | 105 | 115 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 20.66 | 146 | 35 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 83 | 0.010 | ppbv | 97 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062015.D
 Acq On : 20 Jun 2023 10:16 pm
 Operator : bat
 Sample : 306242-03
 Misc : T3
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS7

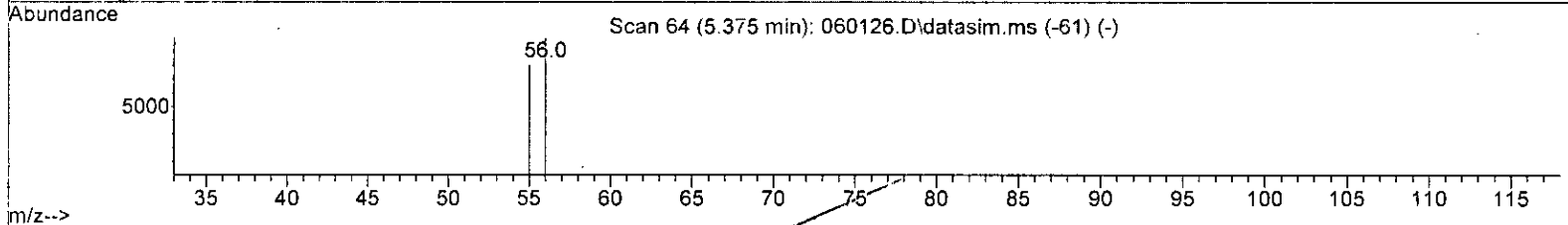
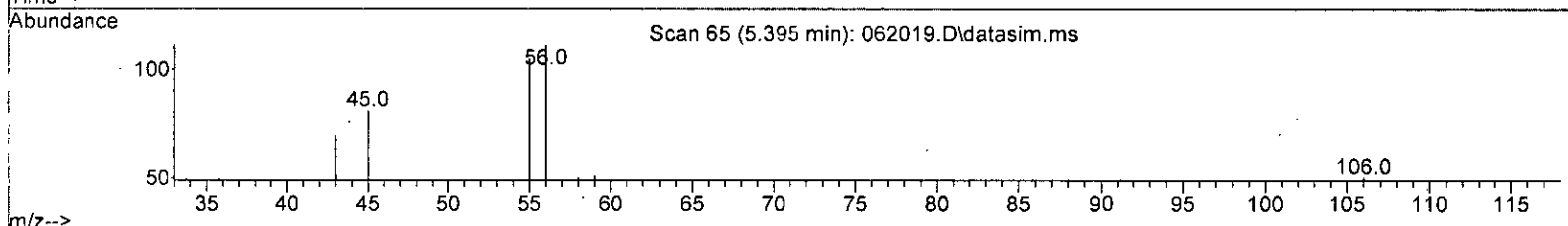
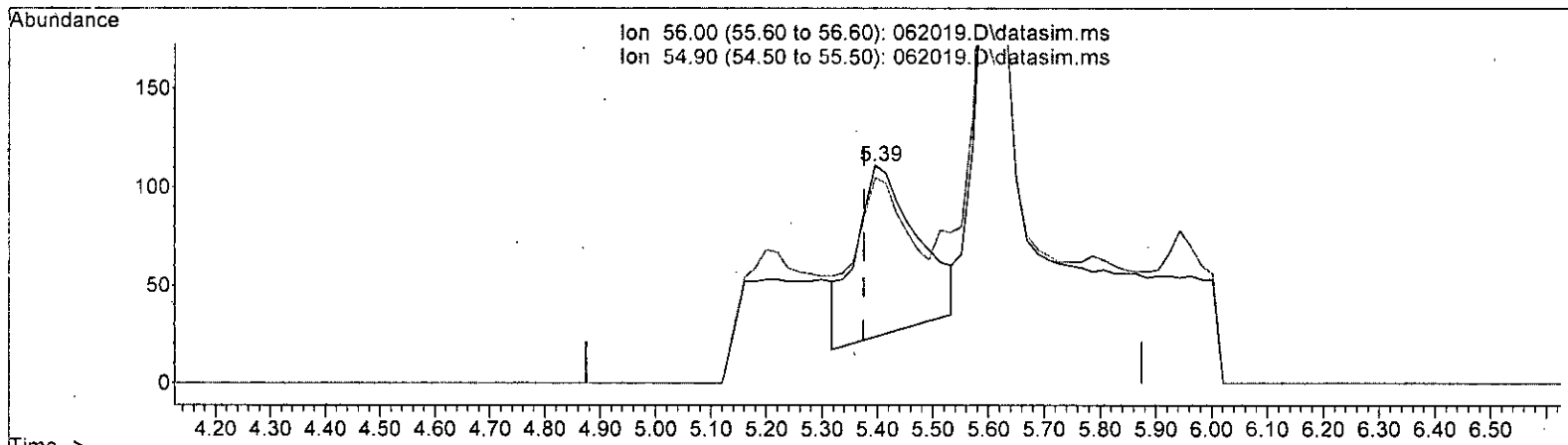
Quant Time: Jun 21 07:07:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

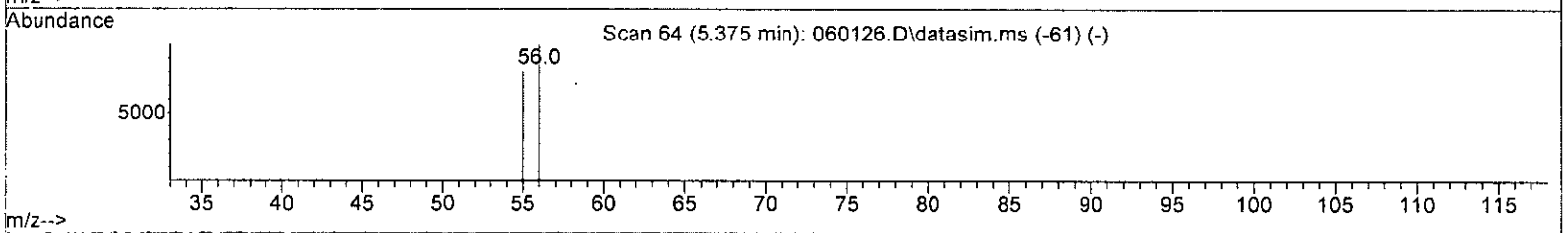
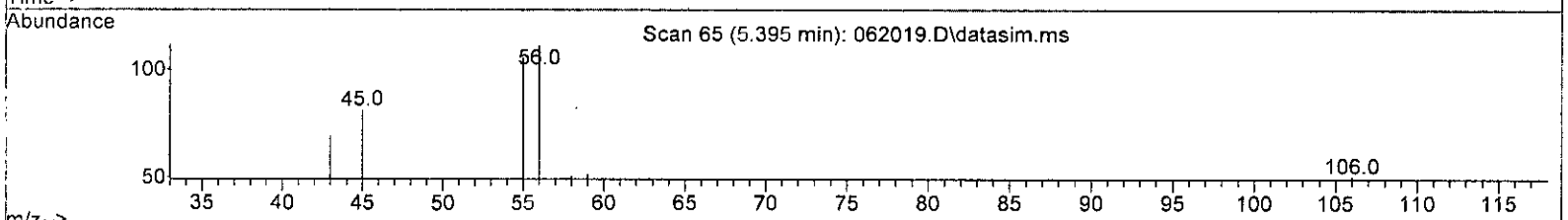
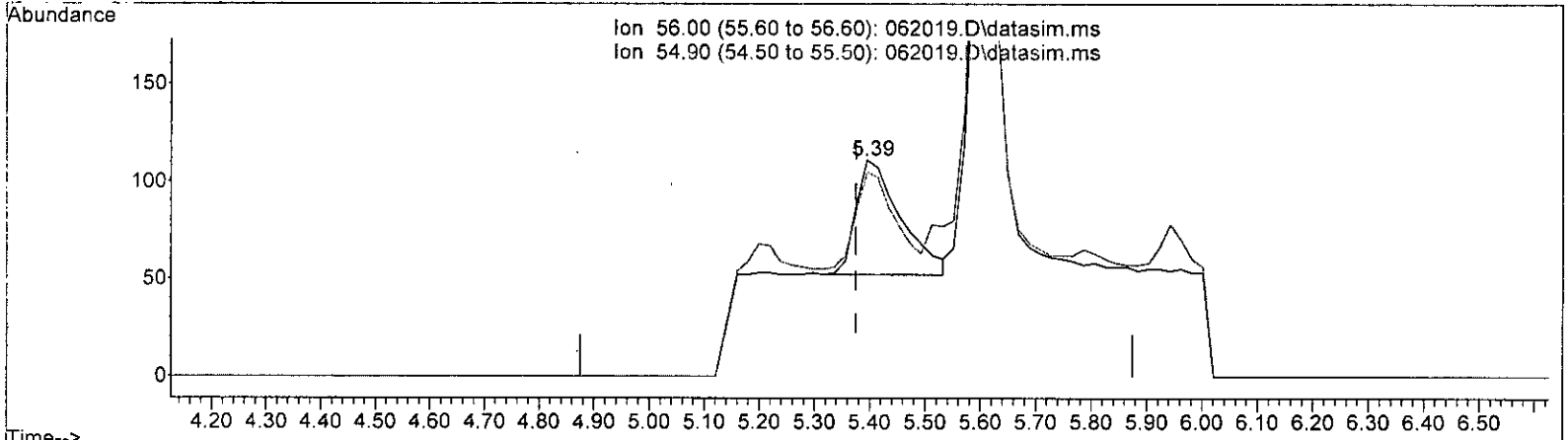
| (13) Acrolein (TMP) | | |
|-------------------------------|--------|--------|
| 5.395min (+ 0.020) 0.527 ppbv | | |
| response | 669 | |
| Ion | Exp% | Act% |
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 79.22 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062019.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.262 ppbv m

response 333

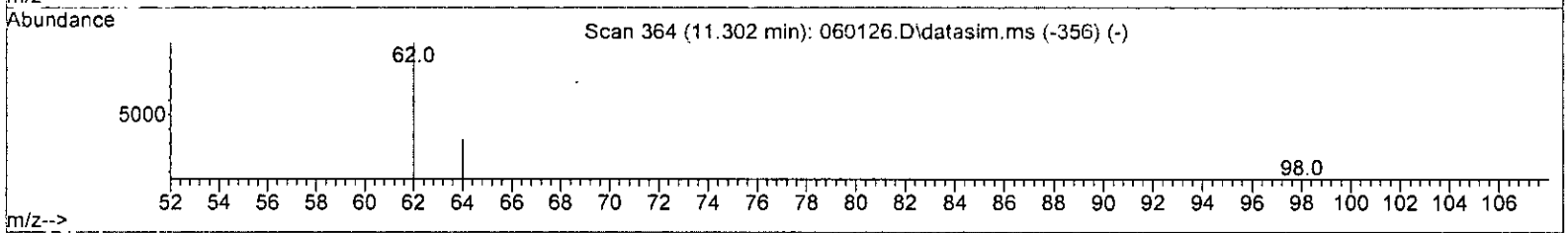
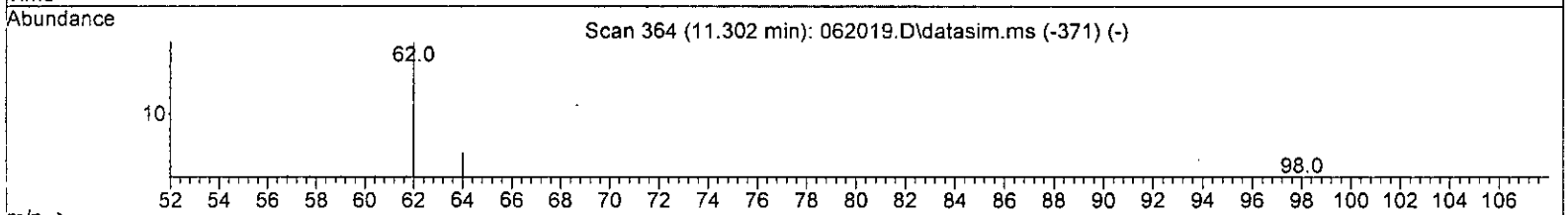
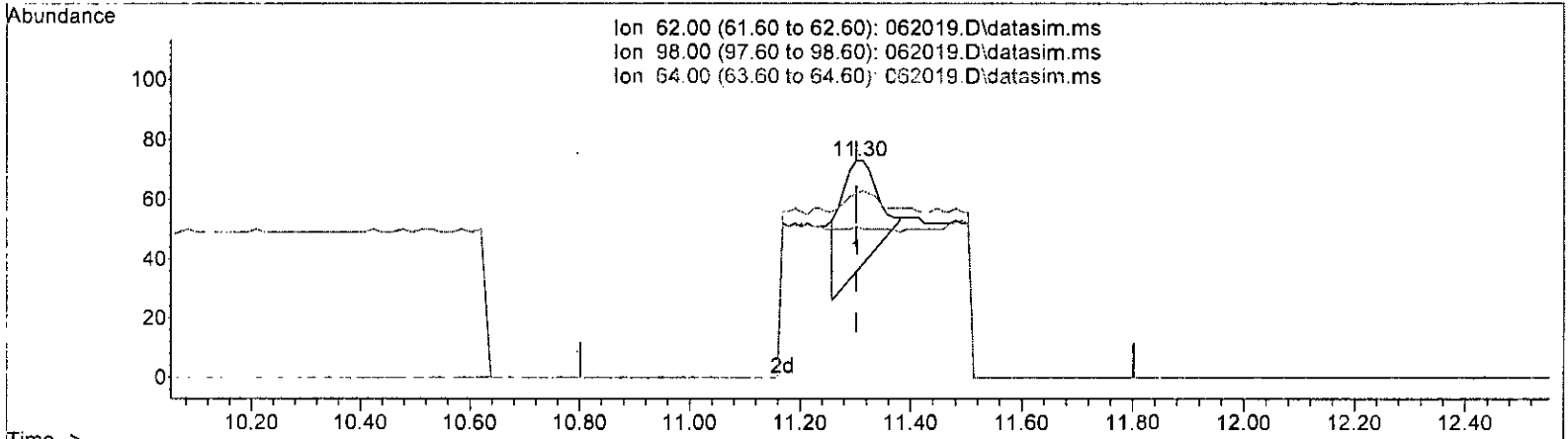
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 159.16# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

*MD
6/21/23*

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.035 ppbv

response 172

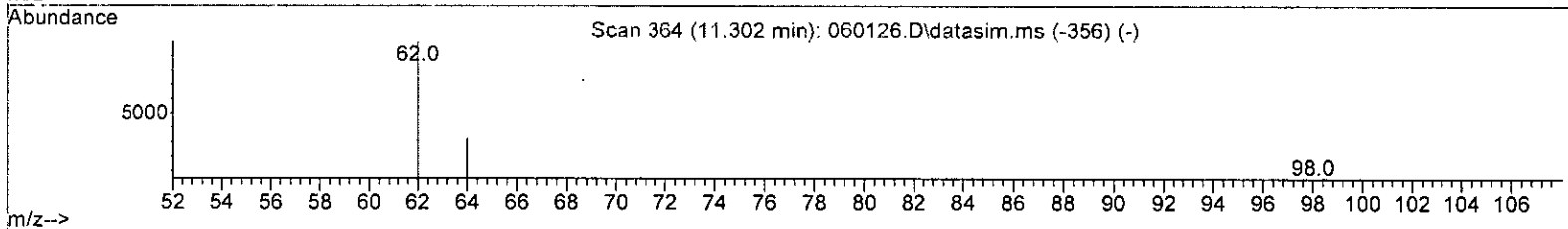
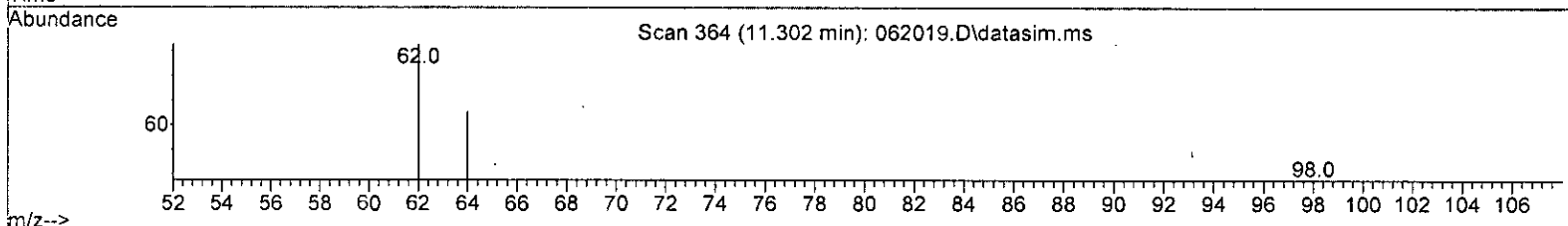
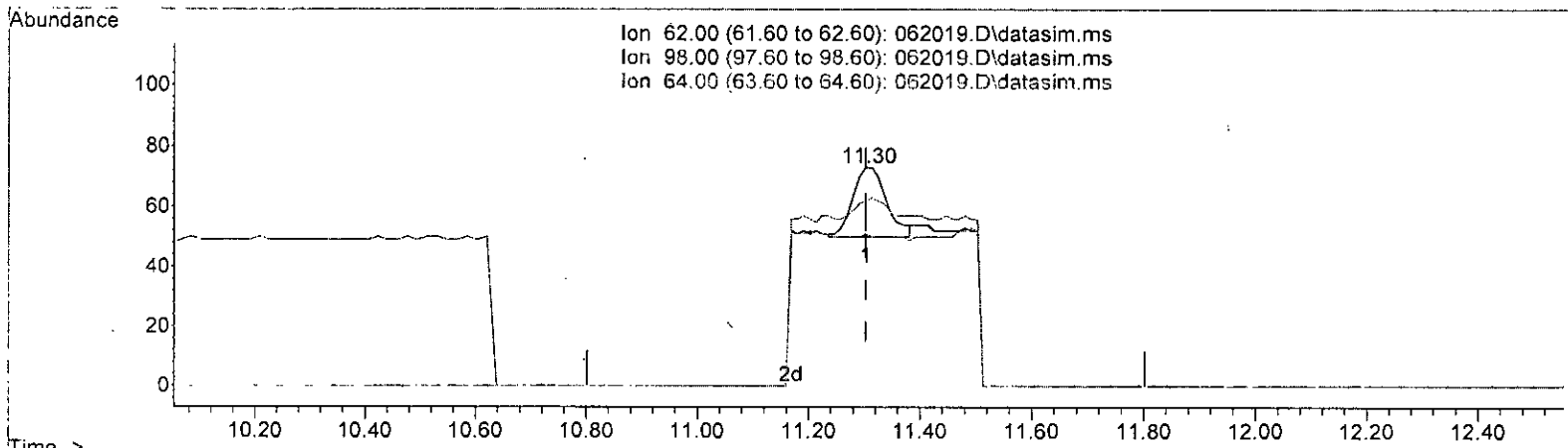
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 10.00 |
| 64.00 | 33.00 | 30.00 |
| 0.00 | 0.00 | 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.020 ppbv m

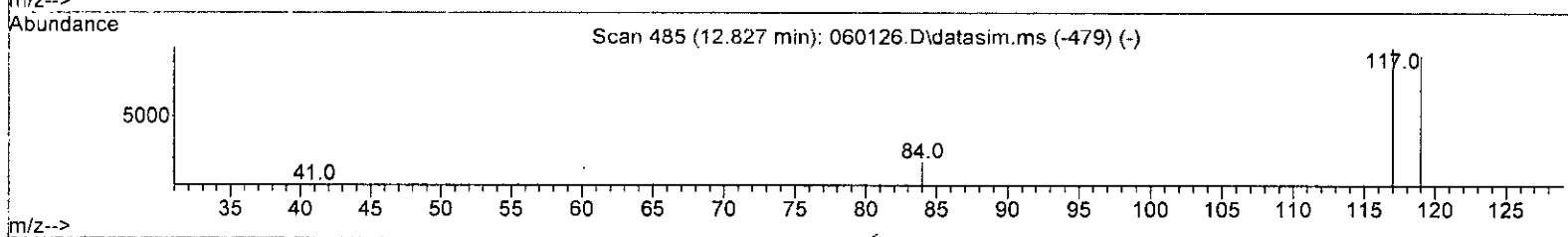
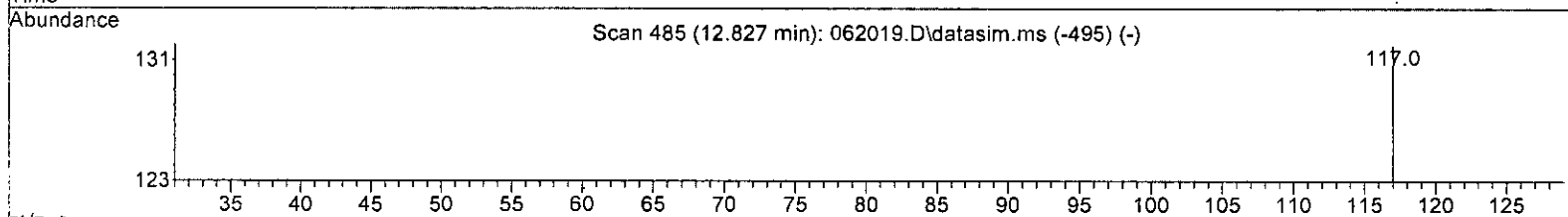
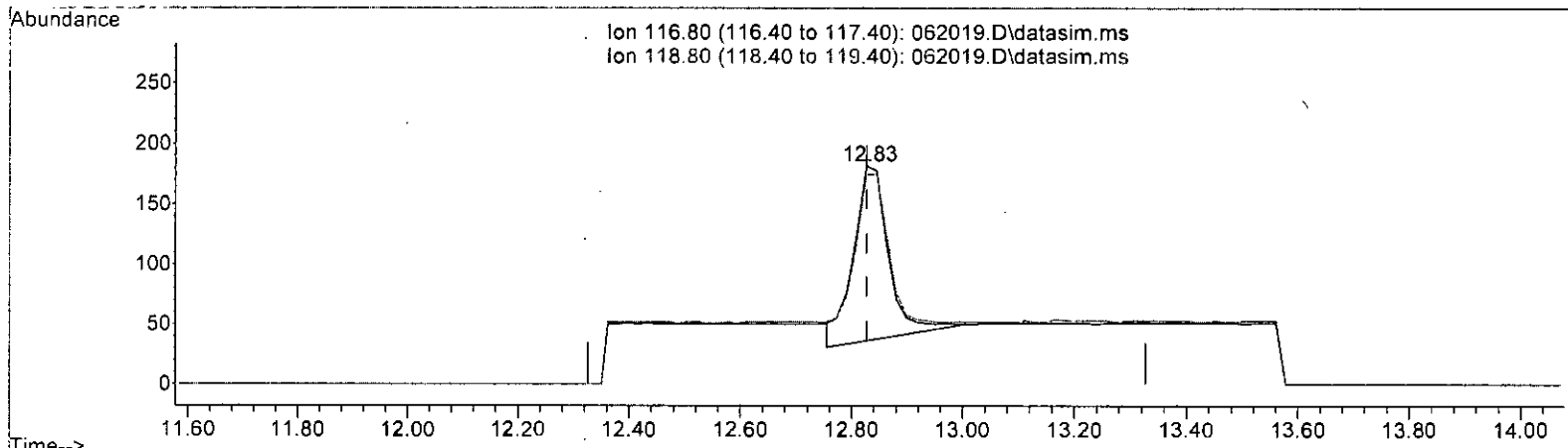
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 69.86# |
| 64.00 | 33.00 | 84.93# |
| 0.00 | 0.00 | 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(36) Carbon tetrachloride (TMP)
 12.827min (-0.000) 0.095 ppbv
 response 641

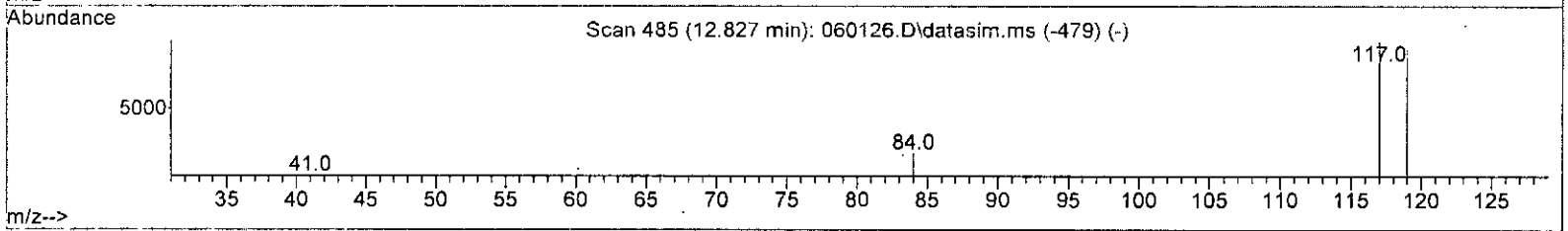
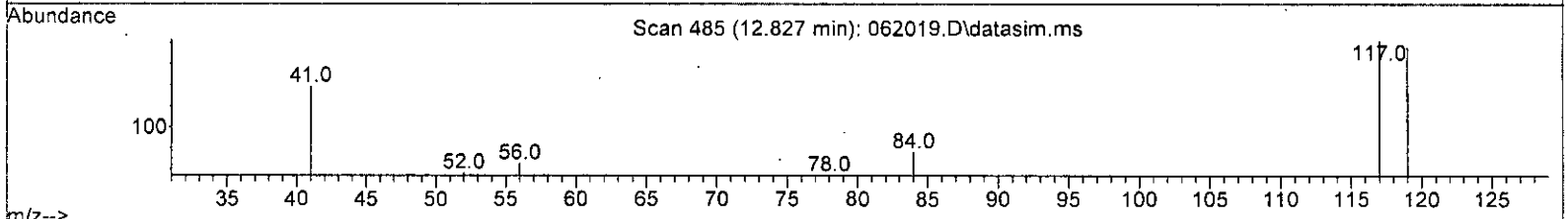
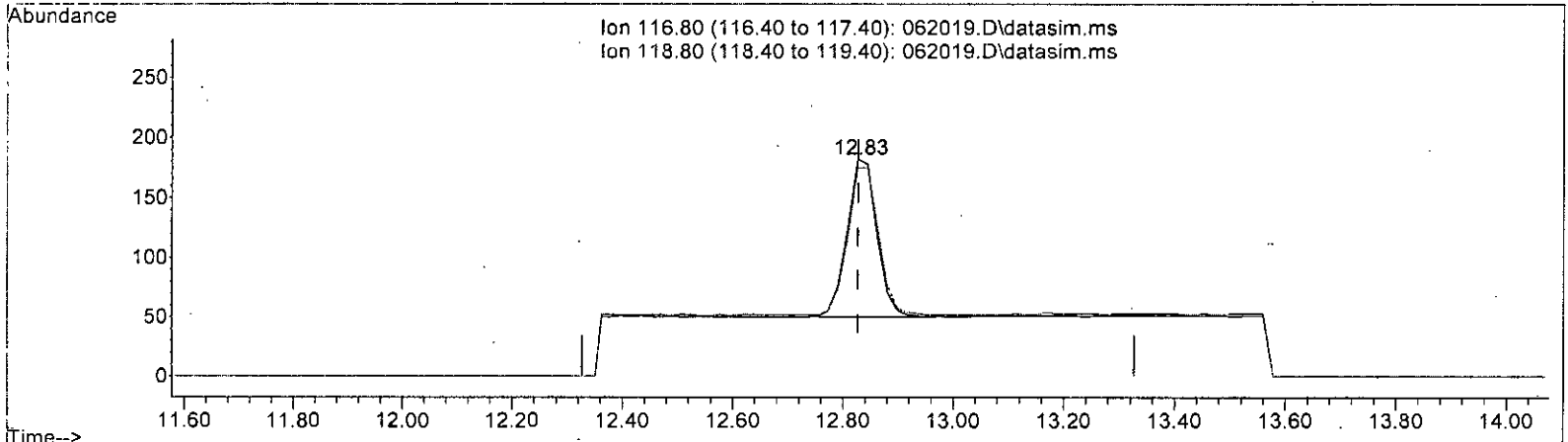
| Ion | Exp% | Act% |
|--------|--------|--------|
| 116.80 | 100.00 | 100.00 |
| 118.80 | 94.60 | 93.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

(36) Carbon tetrachloride (TMP)

12.827min (-0.000) 0.074 ppbv m

response 498

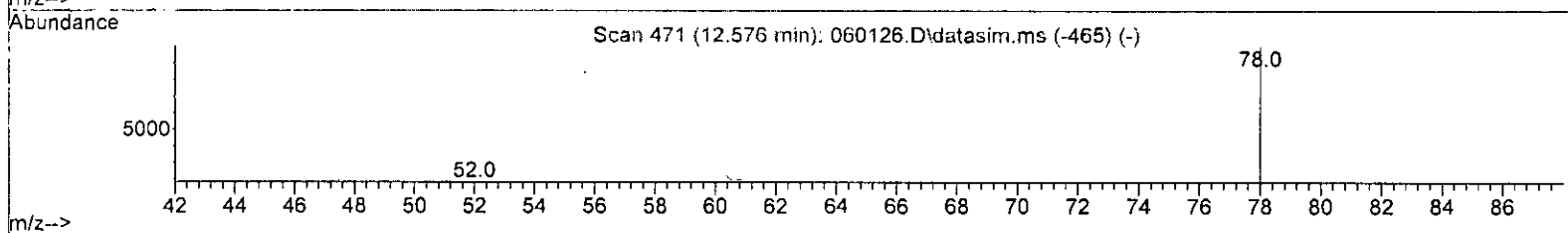
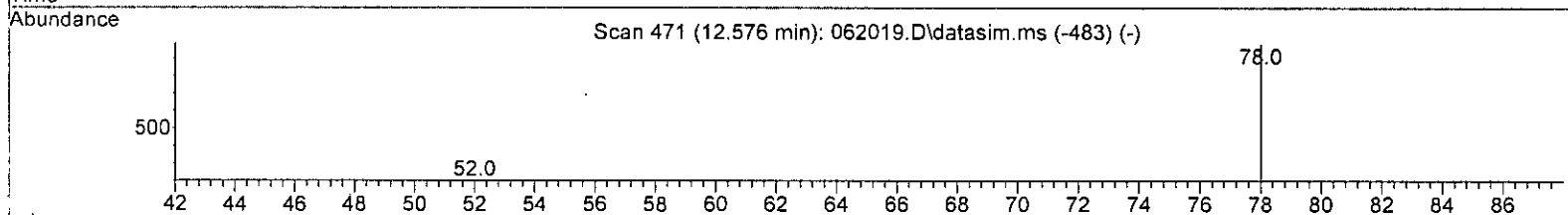
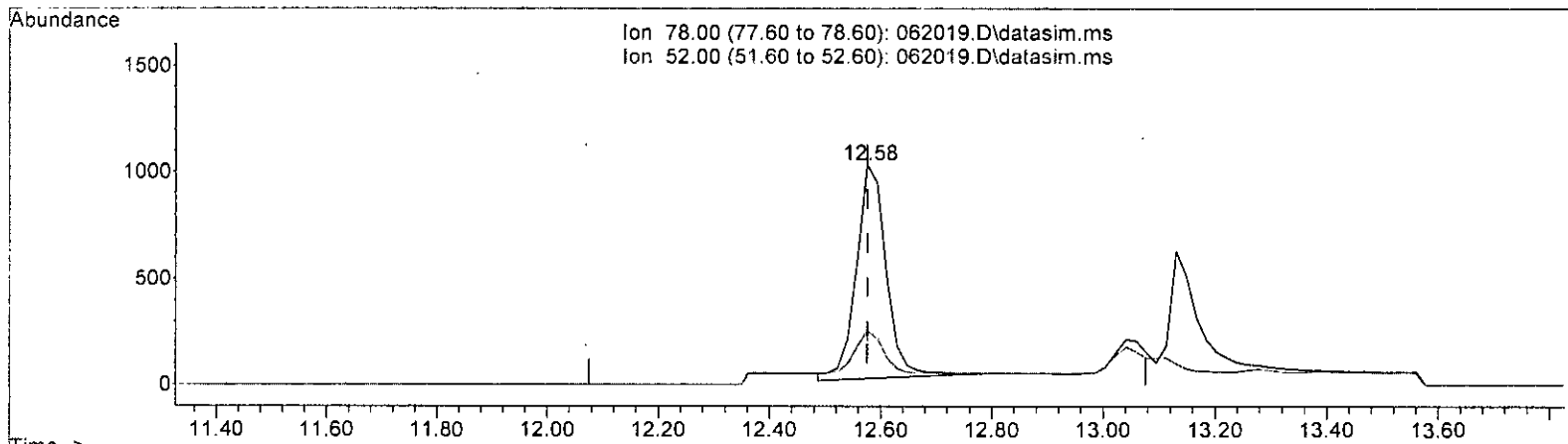
| Ion | Exp% | Act% |
|--------|--------|--------|
| 116.80 | 100.00 | 100.00 |
| 118.80 | 94.60 | 96.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

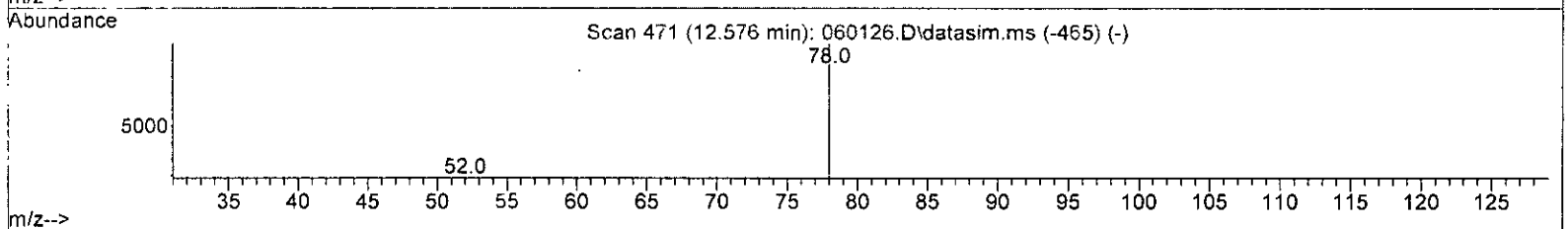
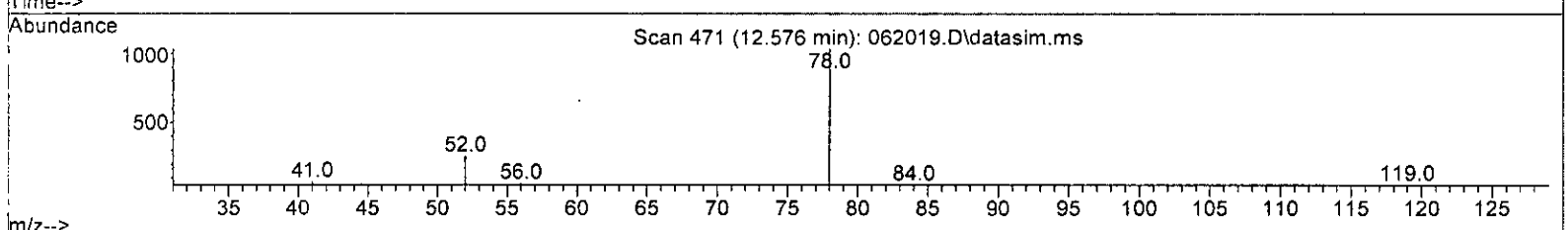
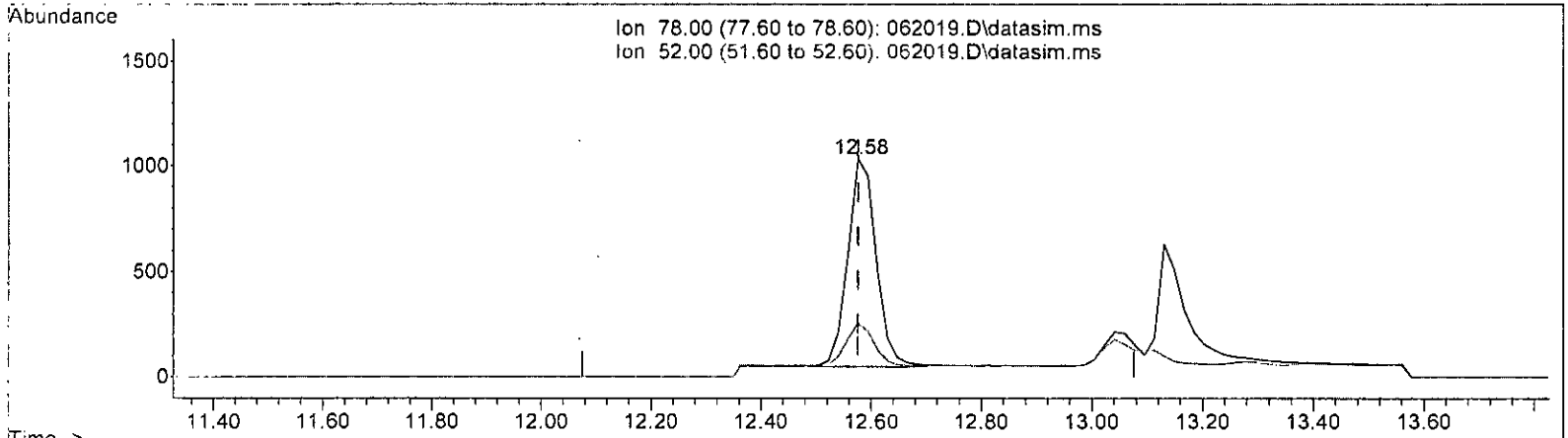
| (37) Benzene (TMP) | | | |
|---------------------|------------|--------|--|
| 12.576min (+ 0.000) | 0.364 ppbv | | |
| response | 3803 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 20.43 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062019.D\data.ms

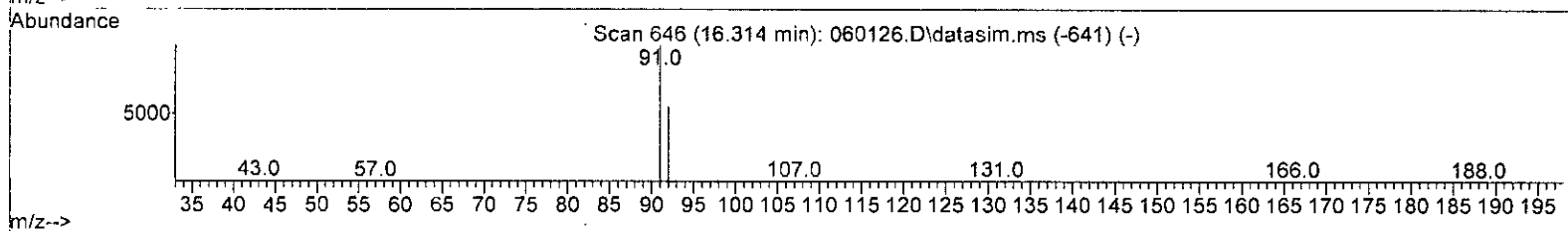
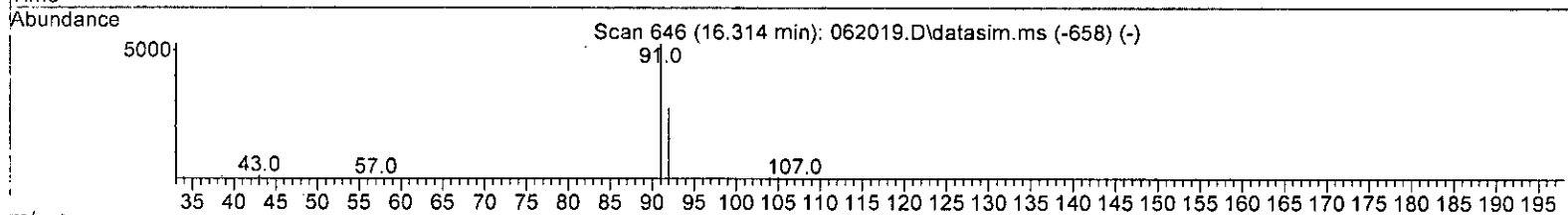
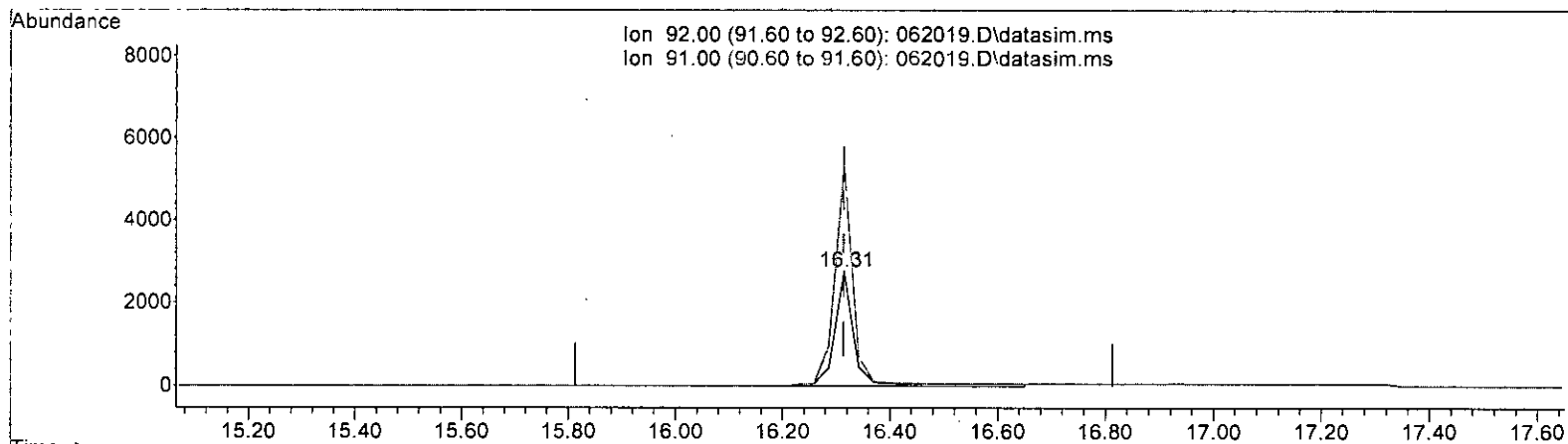
| (37) Benzene (TMP) | | | |
|---------------------|--------|--------|---|
| 12.576min (+ 0.000) | 0.338 | ppbv | m |
| response | 3529 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 24.78 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

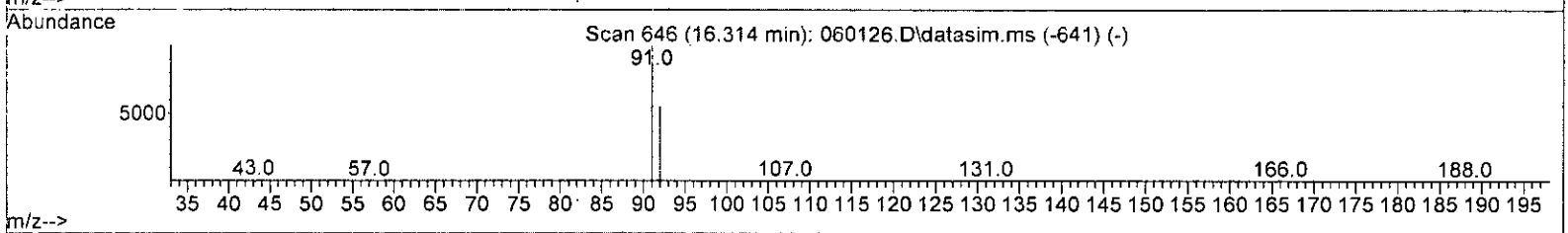
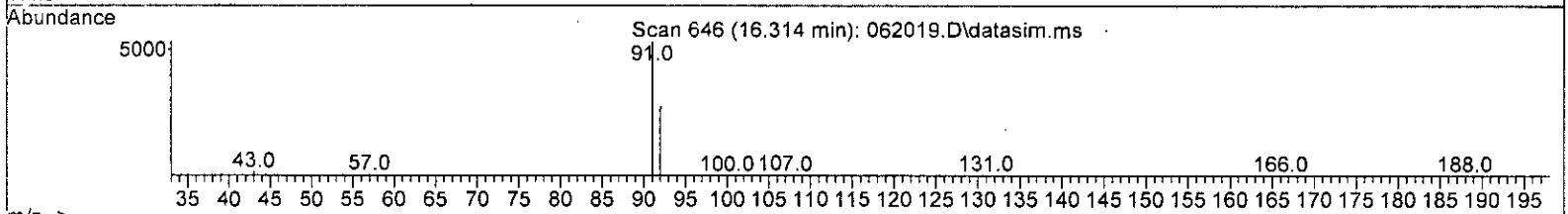
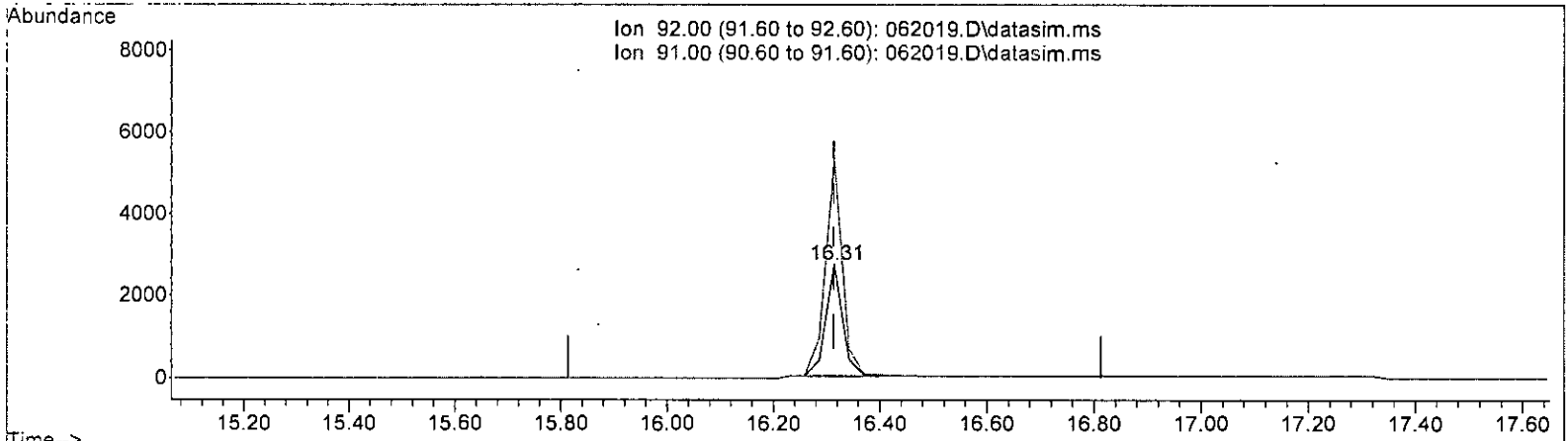
| (50) Toluene (TMP) | | | |
|---------------------|--------|--------|--|
| 16.314min (+ 0.000) | 1.267 | ppbv | |
| response | 7145 | | |
| Ion | Exp% | Act% | |
| 92.00 | 100.00 | 100.00 | |
| 91.00 | 204.60 | 193.33 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062019.D\data.ms

| (50) Toluene (TMP) | | |
|---------------------|--------|--------|
| 16.314min (+ 0.000) | 1.047 | ppbv m |
| response | 5904 | |
| Ion | Exp% | Act% |
| 92.00 | 100.00 | 100.00 |
| 91.00 | 204.60 | 193.33 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Mh
6/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19120 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71183 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64199 | 10.000 | ppbv | 0.00 |

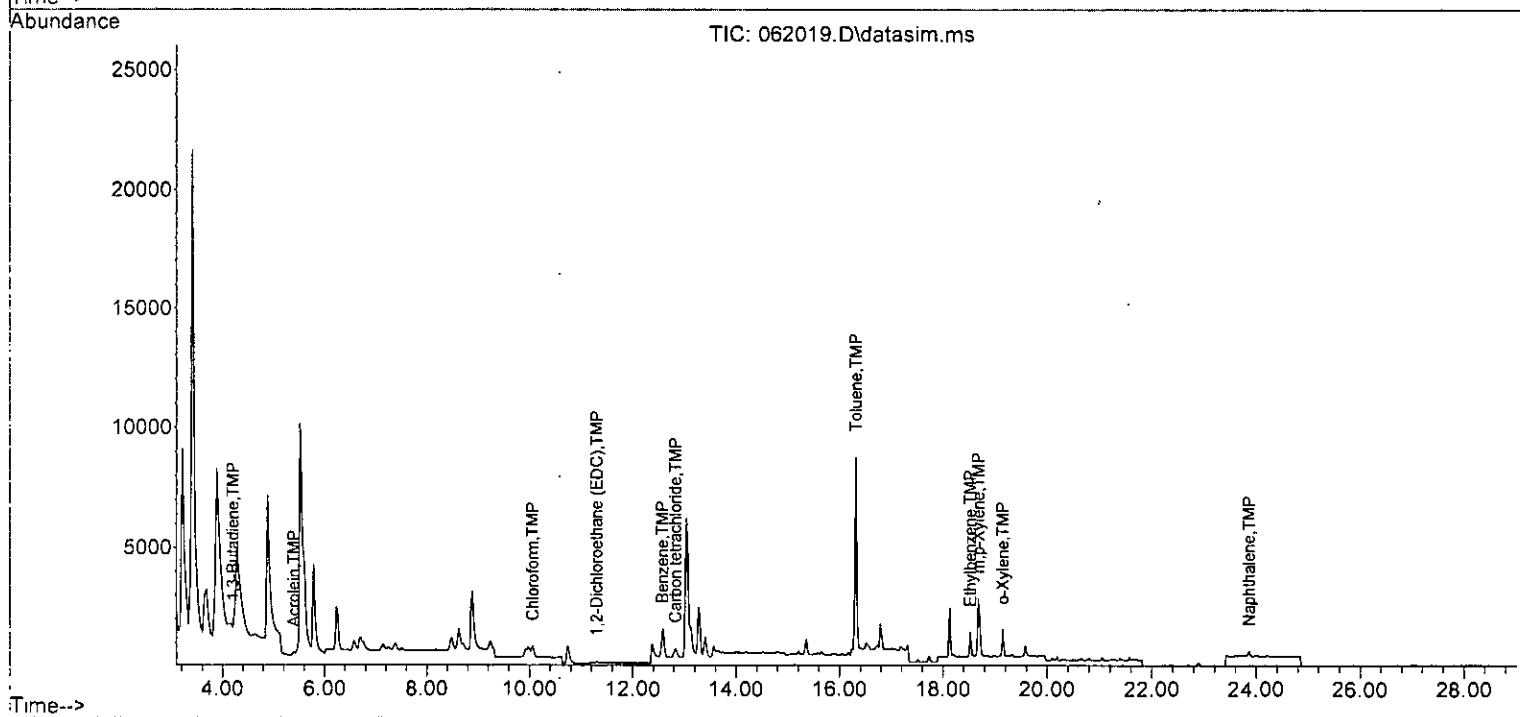
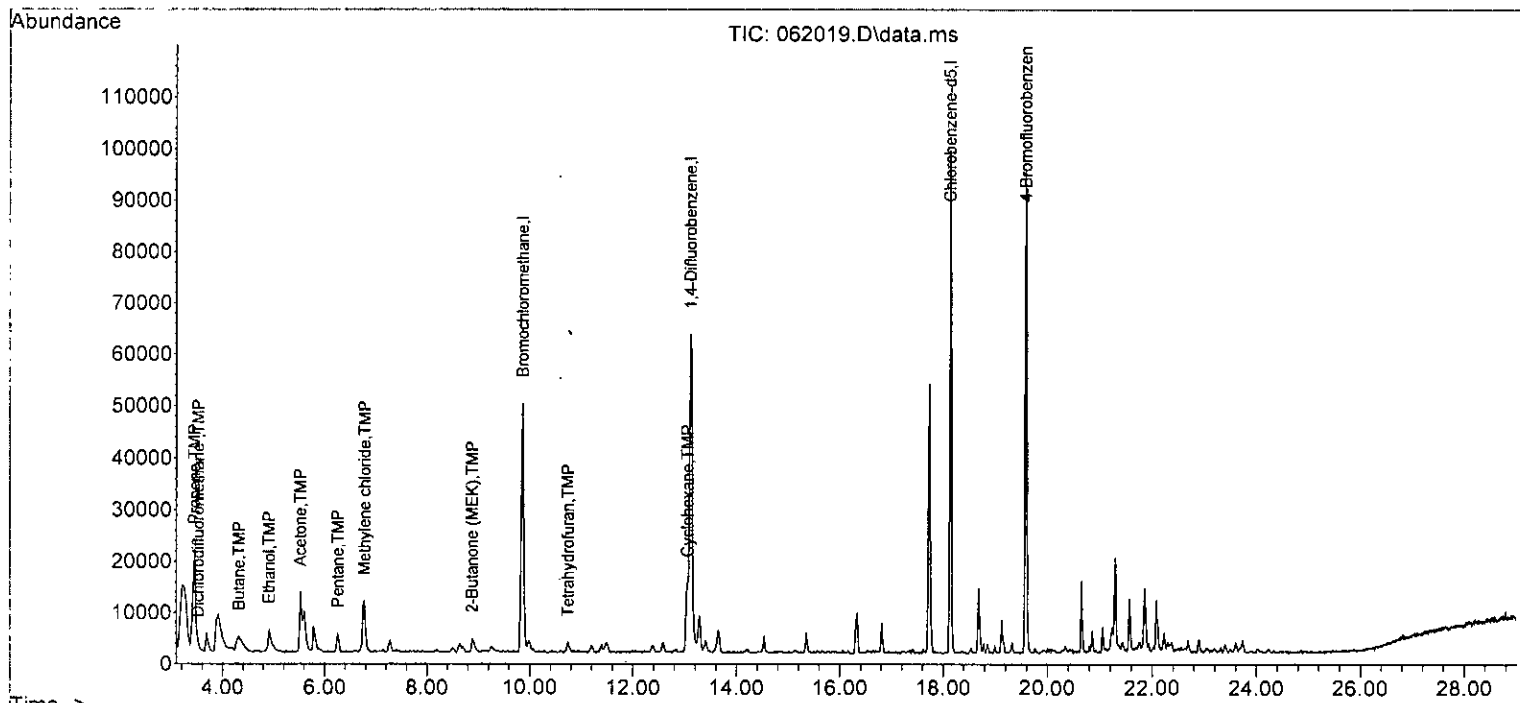
| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41344 | 9.086 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 90.90% |

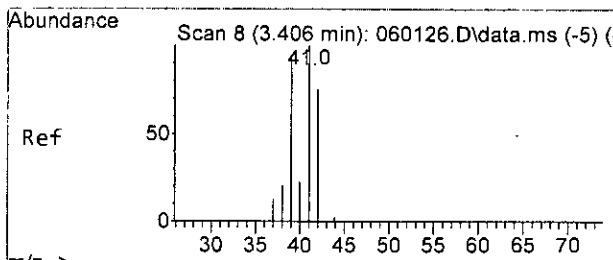
| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------------|-------|------|----------|--------|-------|--------|
| 2) Propene | 3.45 | 41 | 12951 | 5.237 | ppbv | # 41 |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 3672 | 0.446 | ppbv | 97 |
| 7] 1,3-Butadiene | 4.21 | 54 | 310 | 0.134 | ppbv | # 1 |
| 8) Butane | 4.32 | 43 | 11965 | 2.563 | ppbv | # 80 |
| 12) Ethanol | 4.92 | 45 | 13223 | 10.865 | ppbv | 88 |
| 13] Acrolein | 5.39 | 56 | 333m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3697 | 0.699 | ppbv | 97 |
| 16) Acetone | 5.53 | 58 | 9001 | 6.828 | ppbv | # 86 |
| 20) Methylene chloride | 6.78 | 84 | 8222 | 2.896 | ppbv | 88 |
| 30] Chloroform | 10.07 | 83 | 962 | 0.126 | ppbv | 99 |
| 32) Tetrahydrofuran | 10.74 | 42 | 2171 | 0.615 | ppbv | 70 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 1050 | 0.906 | ppbv | # 63 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 98m | 0.020 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 498m | 0.074 | ppbv | |
| 37] Benzene | 12.58 | 78 | 3529m | 0.338 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4656 | 1.797 | ppbv | # 77 |
| 50] Toluene | 16.31 | 92 | 5904m | 1.047 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 1515 | 0.136 | ppbv | 100 |
| 65] m,p-Xylene | 18.68 | 106 | 1686 | 0.423 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 553 | 0.164 | ppbv | 90 |
| 77] Naphthalene | 23.86 | 128 | 402 | 0.051 | ppbv | 98 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

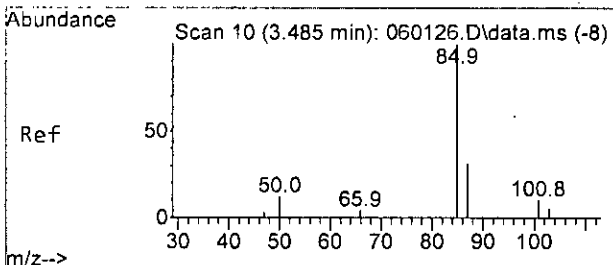
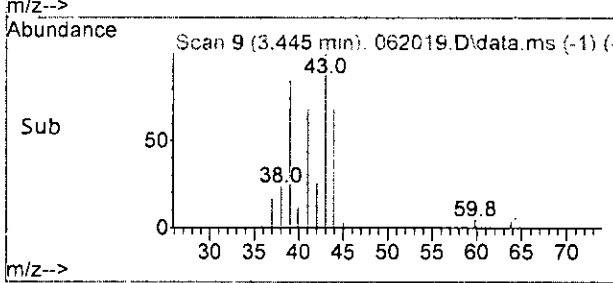
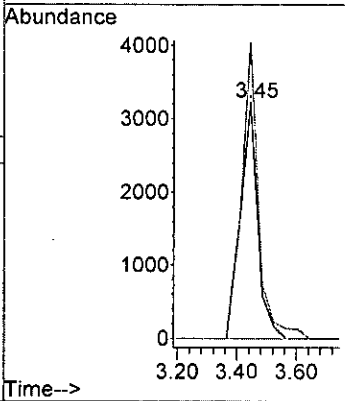
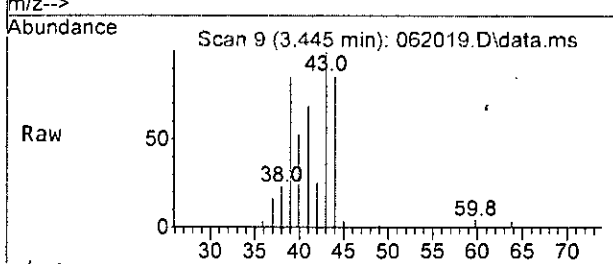
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M





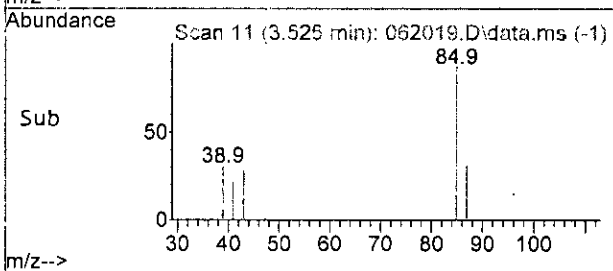
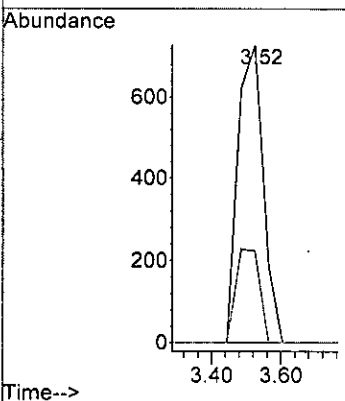
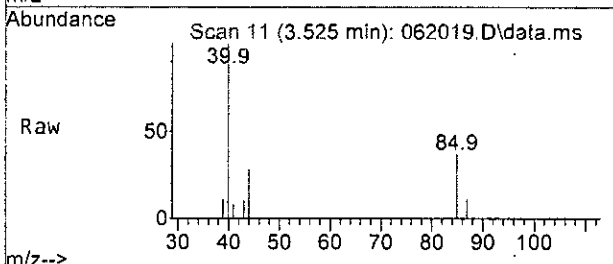
#2
 Propene
 Concen: 5.237 ppbv
 RT: 3.45 min Scan# 9
 Delta R.T. 0.039 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

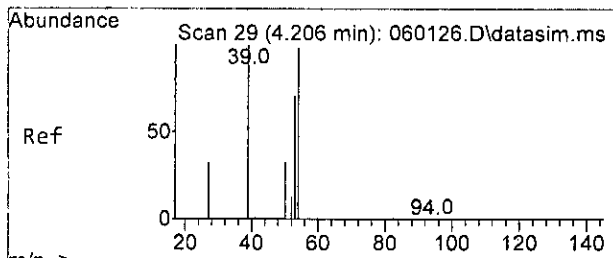
Tgt Ion: 41 Resp: 12951
 Ion Ratio Lower Upper
 41 100
 39 125.7 45.6 105.6#
 27 0.0 0.0 30.0



#3
 Dichlorodifluoromethane
 Concen: 0.446 ppbv
 RT: 3.52 min Scan# 11
 Delta R.T. 0.040 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

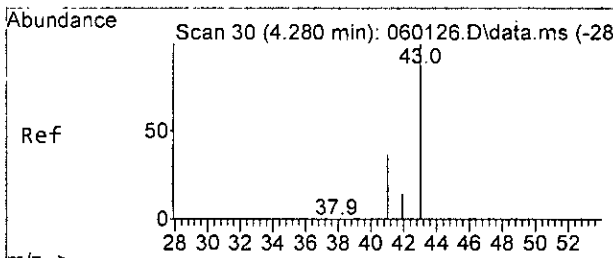
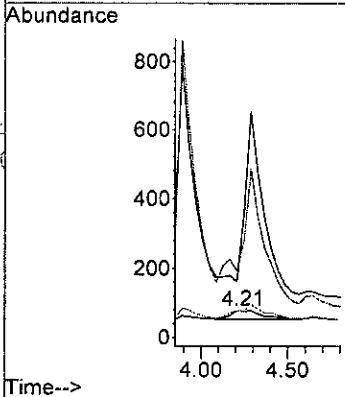
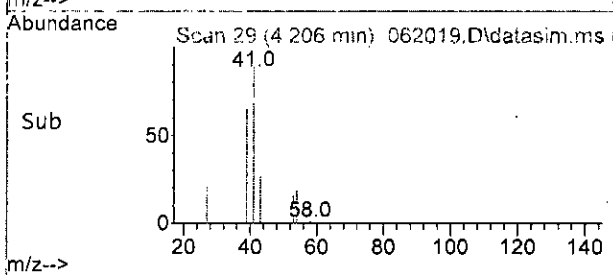
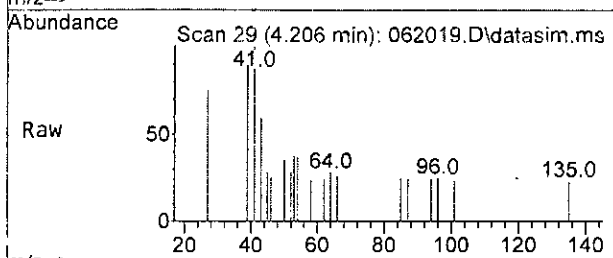
Tgt Ion: 85 Resp: 3672
 Ion Ratio Lower Upper
 85 100
 87 30.6 2.2 62.2





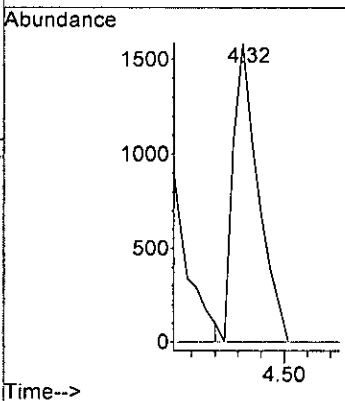
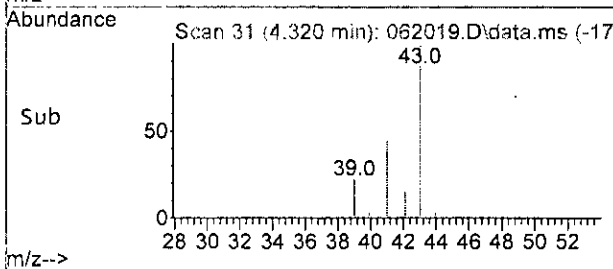
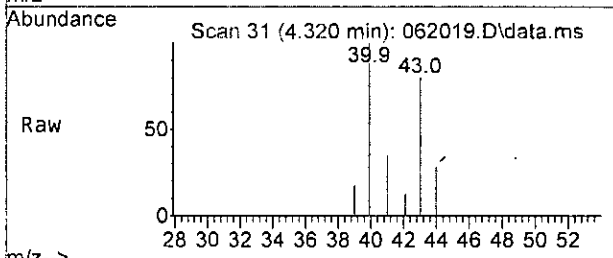
#7
 1,3-Butadiene
 Concen: 0.134 ppbv
 RT: 4.21 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

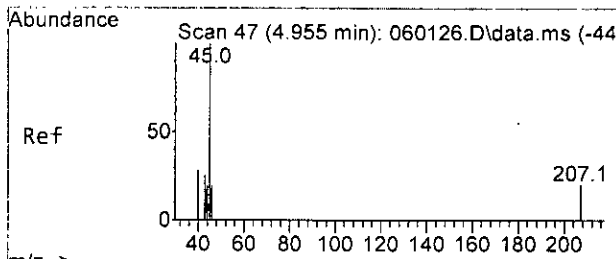
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 54 | 100 | | |
| 39 | 380.0 | 97.6 | 157.6# |
| 53 | 92.0 | 42.4 | 102.4 |
| 27 | 144.0 | 0.0 | 20.0# |



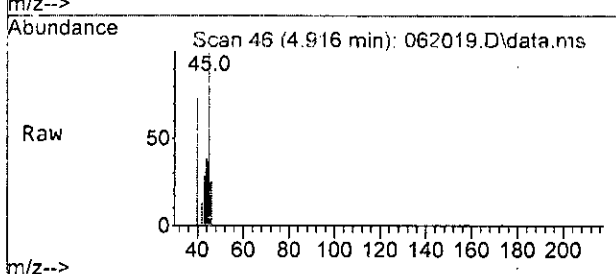
#8
 Butane
 Concen: 2.563 ppbv
 RT: 4.32 min Scan# 31
 Delta R.T. 0.040 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 0.0 | 0.0 | 36.9 |

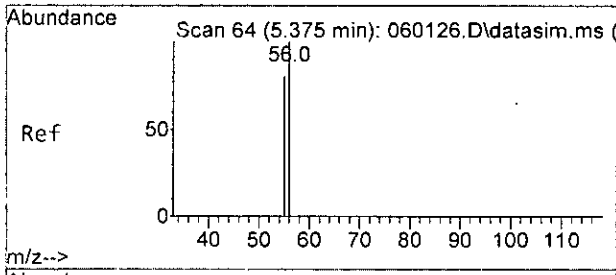
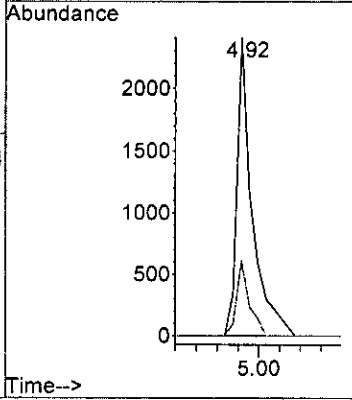
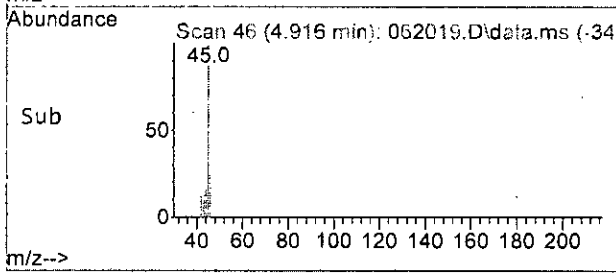




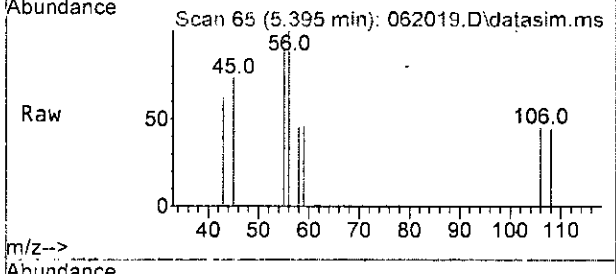
#12
 Ethanol
 Concen: 10.865 ppbv
 RT: 4.92 min Scan# 46
 Delta R.T. -0.039 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am



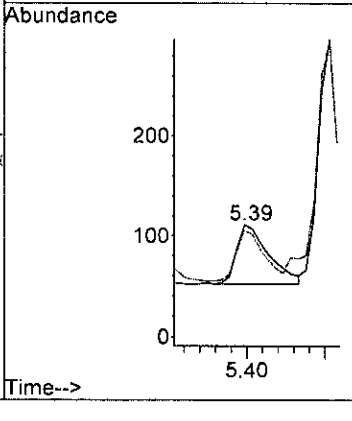
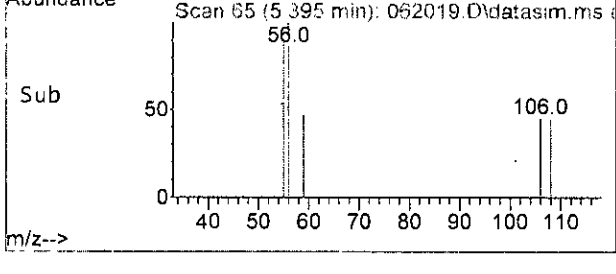
Tgt Ion: 45 Resp: 13223
 Ion Ratio Lower Upper
 45 100
 46 19.7 0.0 55.5

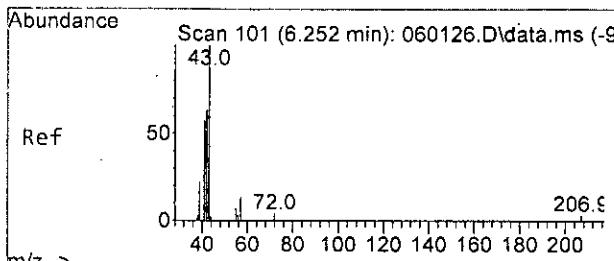


#13
 Acrolein
 Concen: 0.262 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am



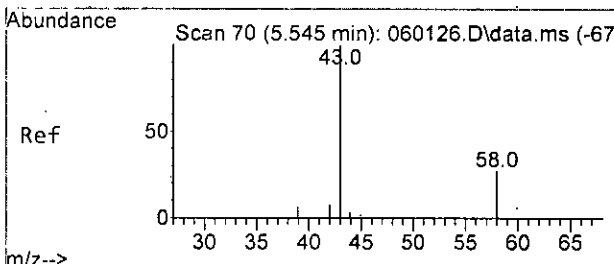
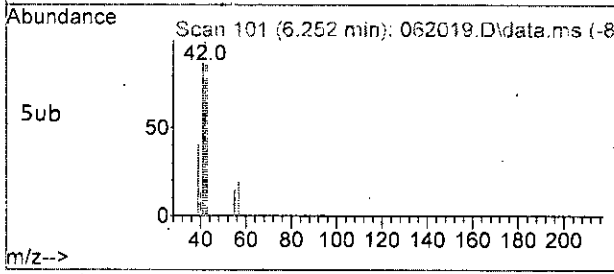
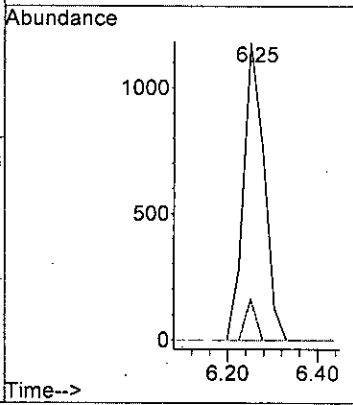
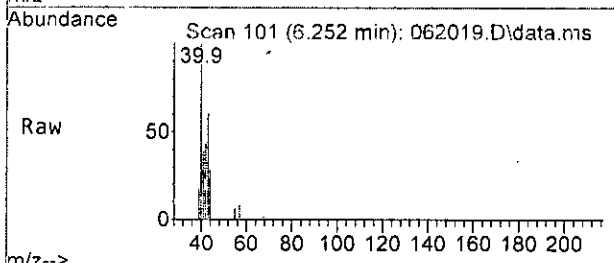
Tgt Ion: 56 Resp: 333
 Ion Ratio Lower Upper
 56 100
 55 159.2 51.0 111.0#





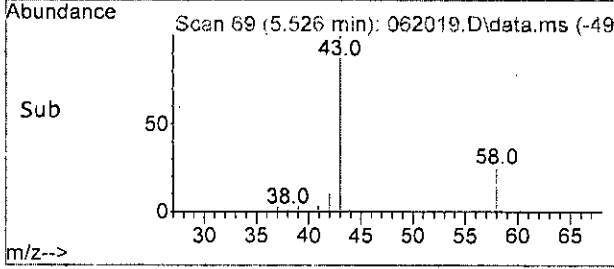
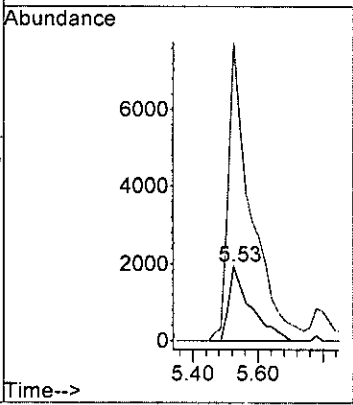
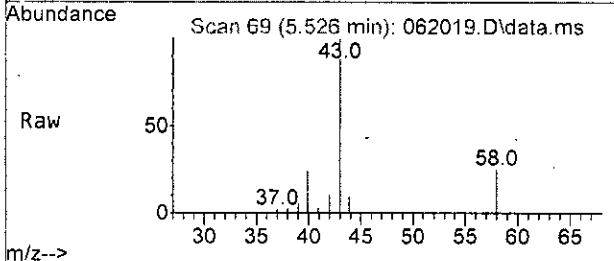
#14
 Pentane
 Concen: 0.699 ppbv
 RT: 6.25 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

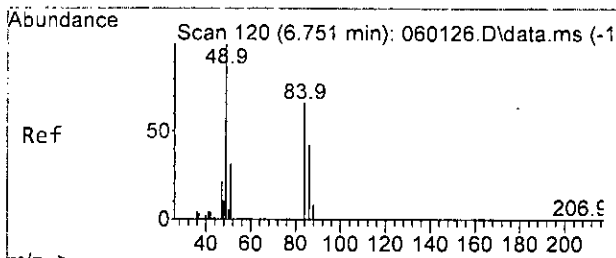
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 57 | 13.7 | 0.0 | 43.5 |
| 72 | 0.0 | 0.0 | 34.2 |



#16
 Acetone
 Concen: 6.828 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

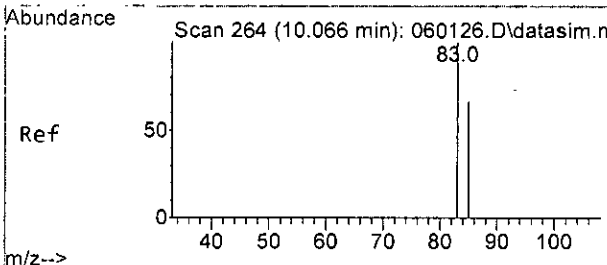
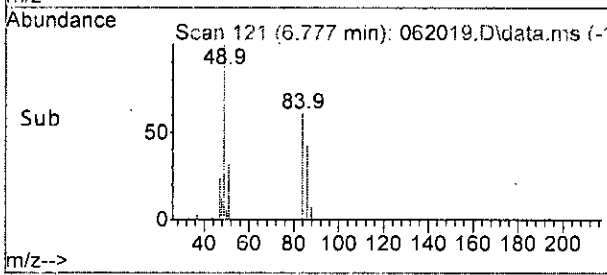
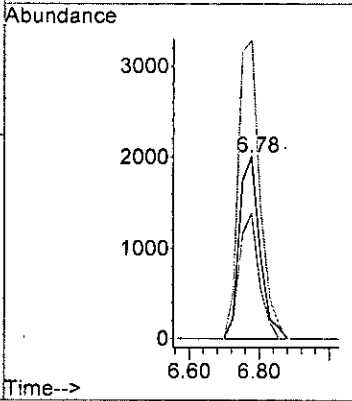
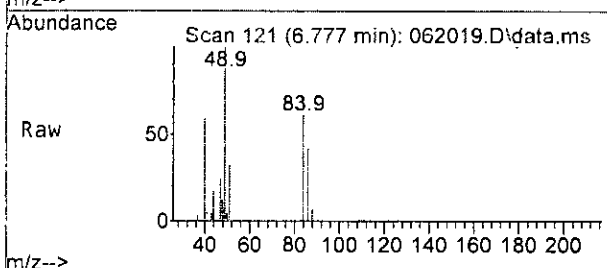
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 58 | 100 | | |
| 43 | 390.5 | 329.3 | 389.3# |





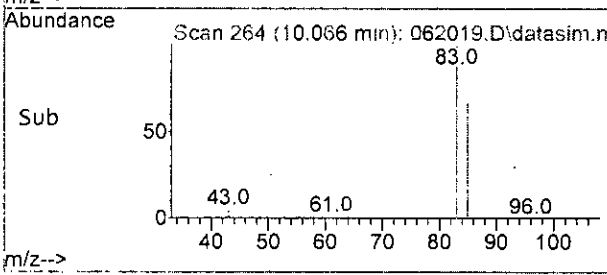
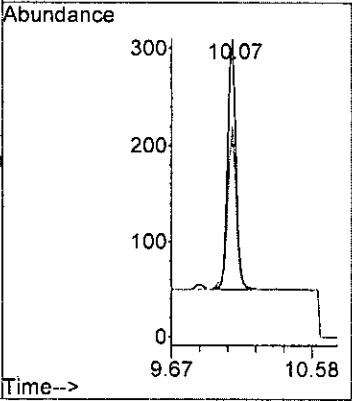
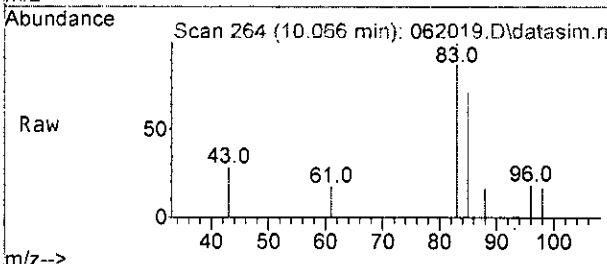
#20
 Methylene chloride
 Concen: 2.896 ppbv
 RT: 6.78 min Scan# 121
 Delta R.T. 0.026 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

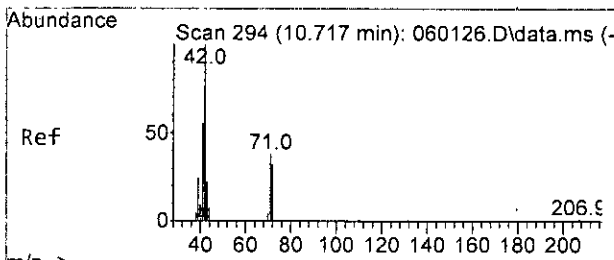
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 86 | 69.3 | 33.9 | 93.9 |
| 49 | 164.4 | 116.6 | 176.6 |



#30
 Chloroform
 Concen: 0.126 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

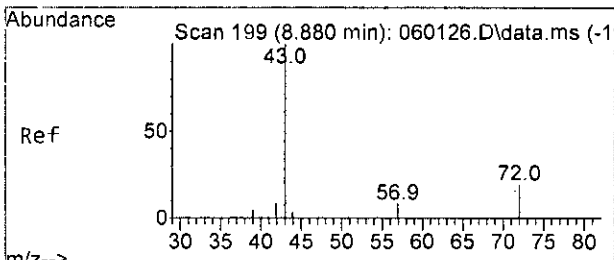
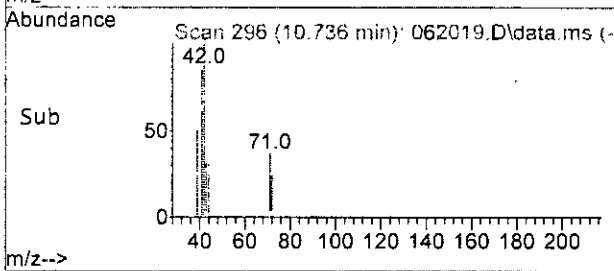
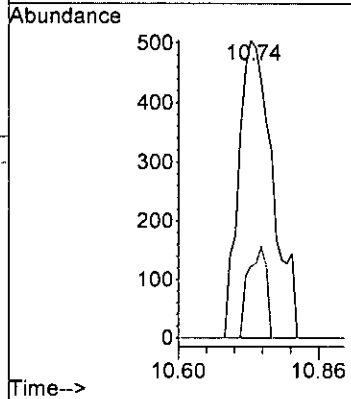
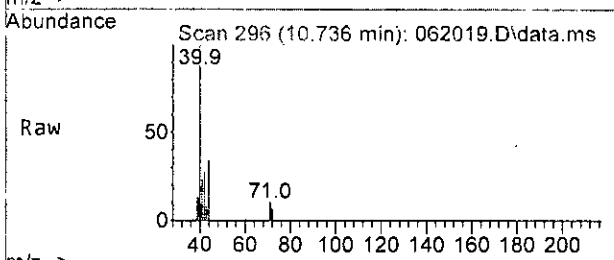
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 65.6 | 36.3 | 96.3 |





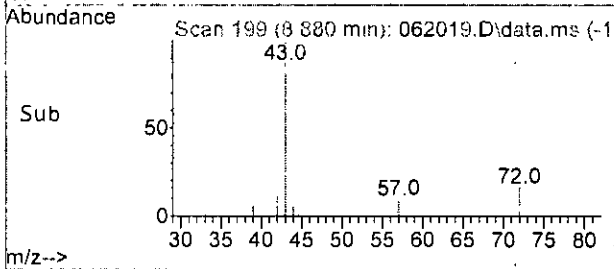
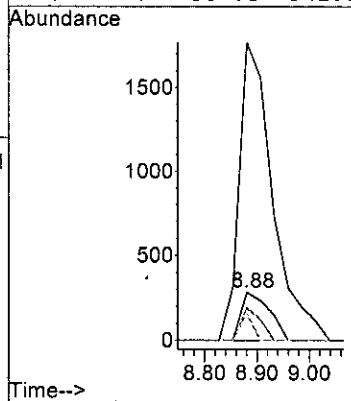
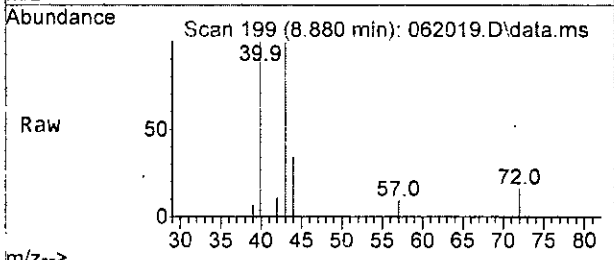
#32
 Tetrahydrofuran
 Concen: 0.615 ppbv
 RT: 10.74 min Scan# 296
 Delta R.T. 0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

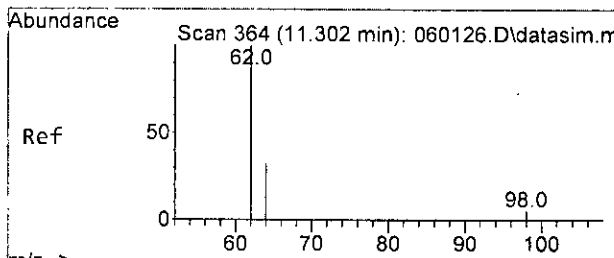
Tgt Ion: 42 Resp: 2171
 Ion Ratio Lower Upper
 42 100
 72 16.7 3.7 63.7



#33
 2-Butanone (MEK)
 Concen: 0.906 ppbv
 RT: 8.88 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

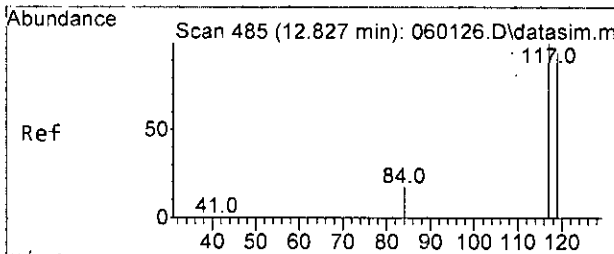
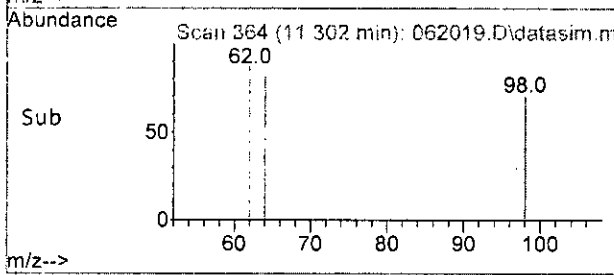
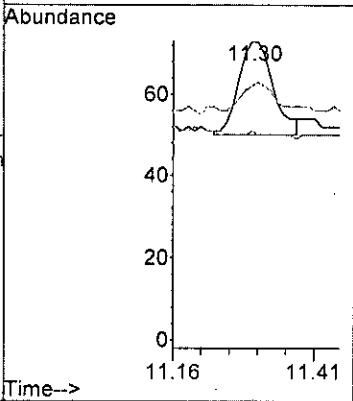
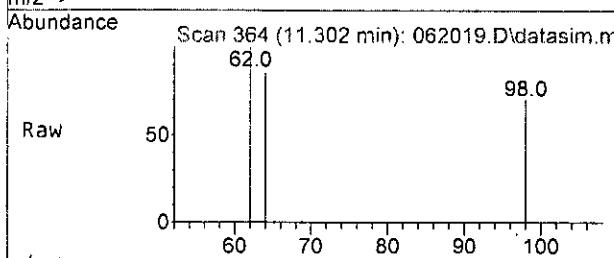
Tgt Ion: 72 Resp: 1050
 Ion Ratio Lower Upper
 72 100
 42 67.4 0.0 59.9#
 57 56.0 14.2 74.2
 43 626.2 501.6 541.6#





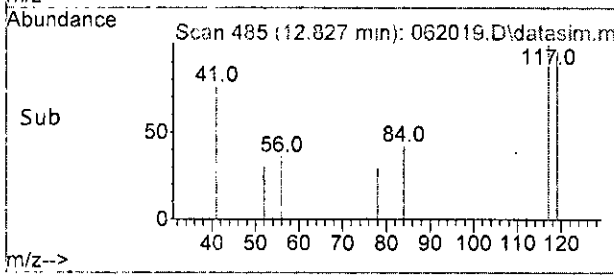
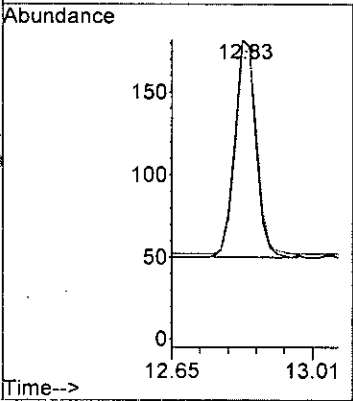
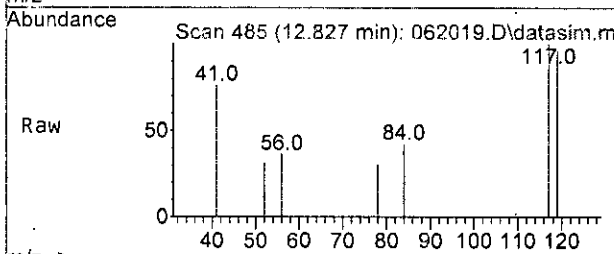
#34
 1,2-Dichloroethane (EDC)
 Concen: 0.020 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

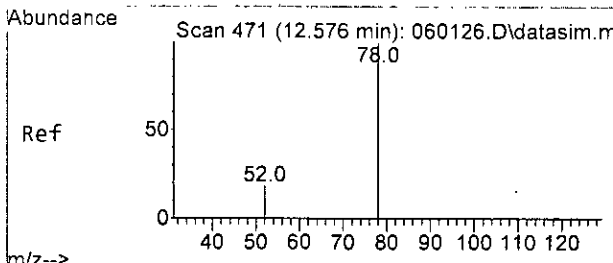
| Tgt Ion: | 62 | 98 | 64 |
|----------|-----|-------|-------|
| Resp: | 100 | 35.3# | 63.0# |
| Lower: | 0.0 | 3.0 | |
| Upper: | 0.0 | 63.0# | |



#36
 Carbon tetrachloride
 Concen: 0.074 ppbv m
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

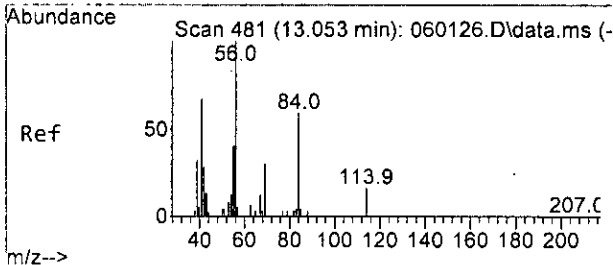
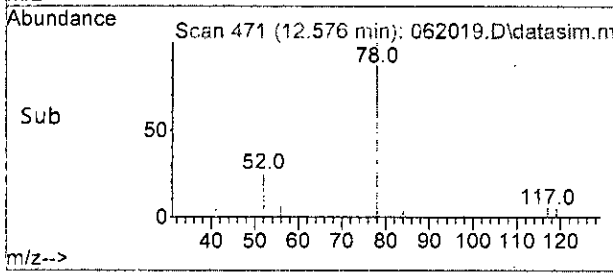
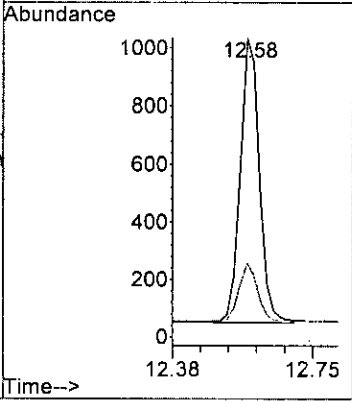
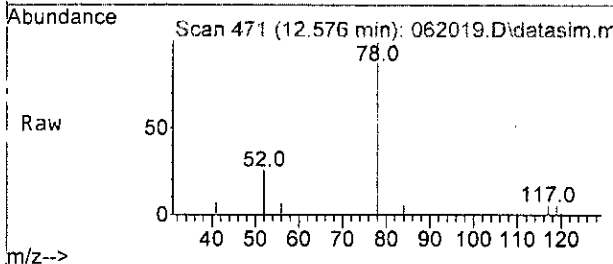
| Tgt Ion: | 117 | 119 |
|----------|-------|------|
| Resp: | 100 | 96.2 |
| Lower: | 64.6 | |
| Upper: | 124.6 | |





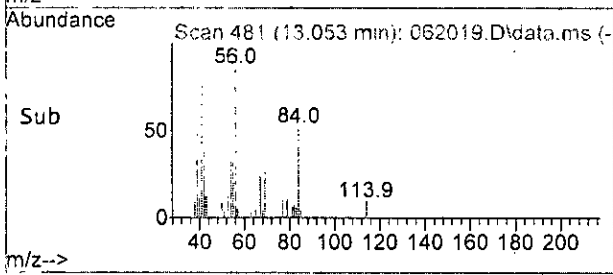
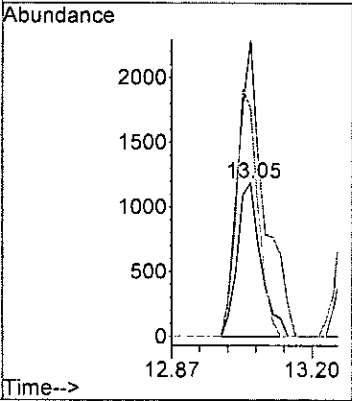
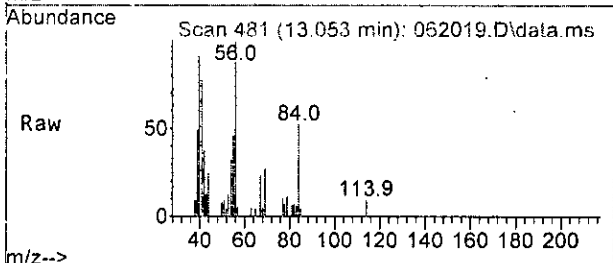
#37
Benzene
Concen: 0.338 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

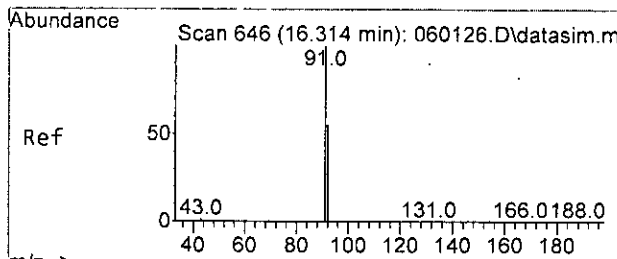
Tgt Ion: 78 Resp: 3529
Ion Ratio Lower Upper
78 100
52 24.8 0.0 49.7



#38
Cyclohexane
Concen: 1.797 ppbv
RT: 13.05 min Scan# 481
Delta R.T. 0.000 min
Lab File: 062019.D
Acq: 21 Jun 2023 1:33 am

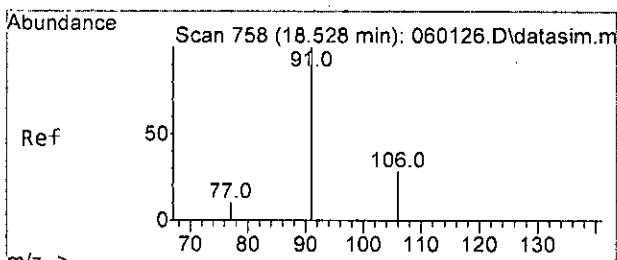
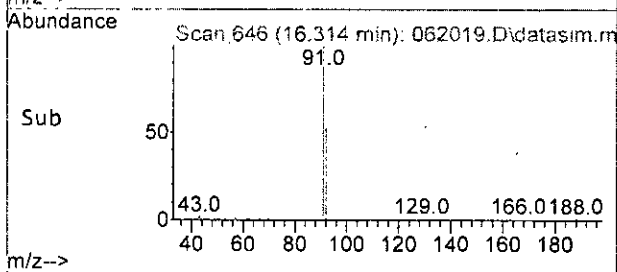
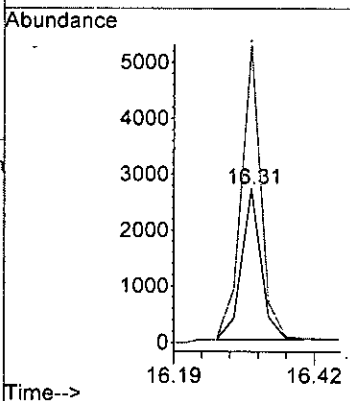
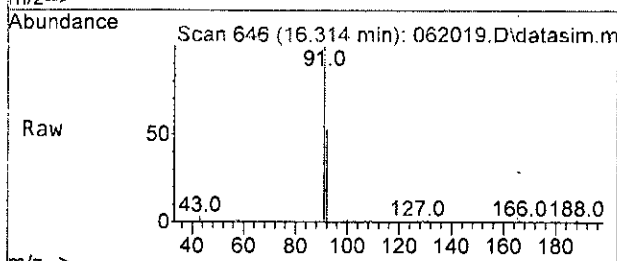
Tgt Ion: 84 Resp: 4656
Ion Ratio Lower Upper
84 100
56 192.4 144.4 204.4
41 148.2 77.2 137.2#





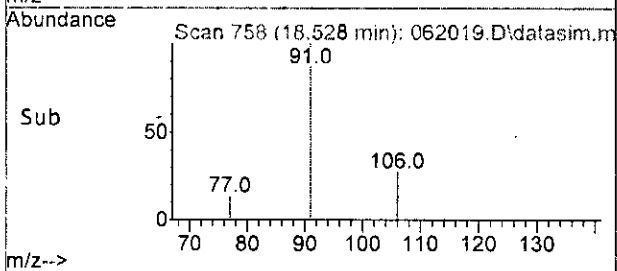
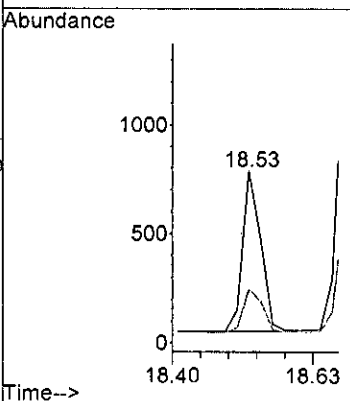
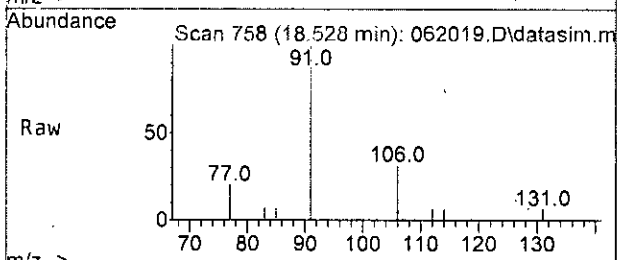
#50
 Toluene
 Concen: 1.047 ppbv m
 RT: 16.31 min Scan# 646
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

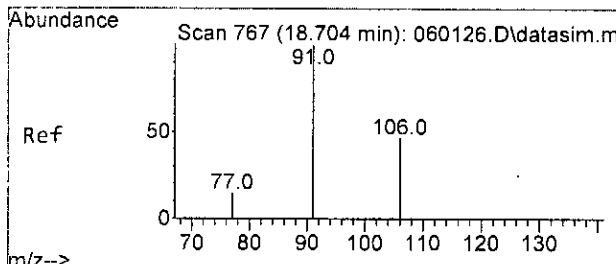
Tgt Ion: 92 Resp: 5904
 Ion Ratio Lower Upper
 92 100
 91 193.3 174.6 234.6



#58
 Ethylbenzene
 Concen: 0.136 ppbv
 RT: 18.53 min Scan# 758
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

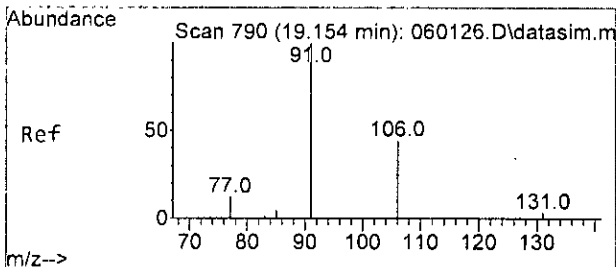
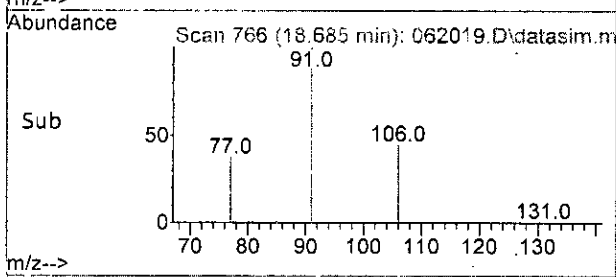
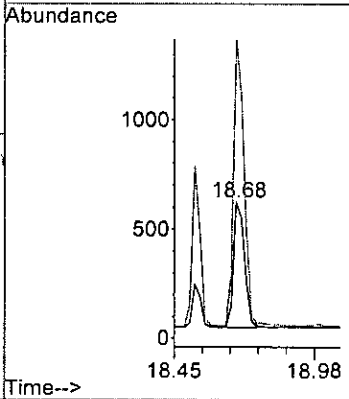
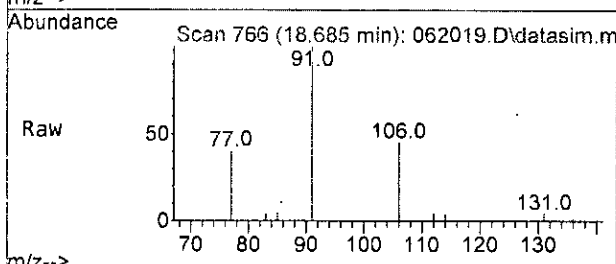
Tgt Ion: 91 Resp: 1515
 Ion Ratio Lower Upper
 91 100
 106 26.9 0.0 57.0





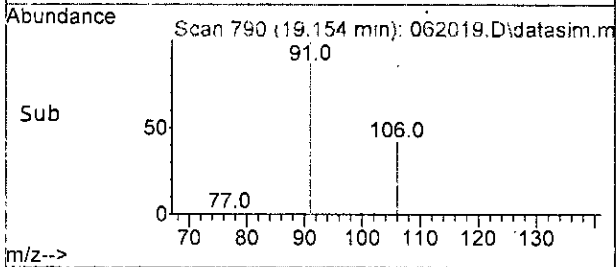
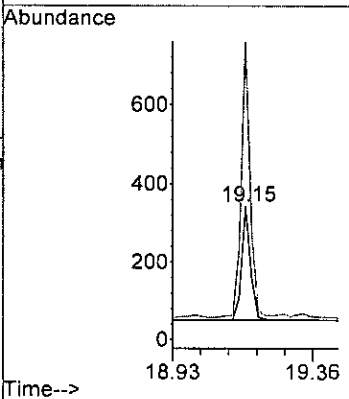
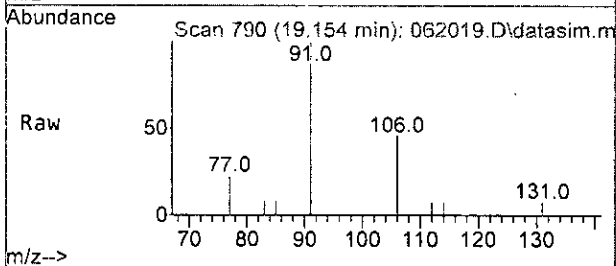
#65
 m,p-Xylene
 Concen: 0.423 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

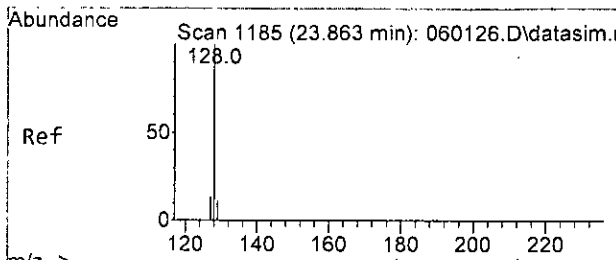
Tgt Ion:106 Resp: 1686
 Ion Ratio Lower Upper
 106 100
 91 229.5 193.0 253.0



#66
 o-Xylene
 Concen: 0.164 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

Tgt Ion:106 Resp: 553
 Ion Ratio Lower Upper
 106 100
 91 240.1 194.4 254.4

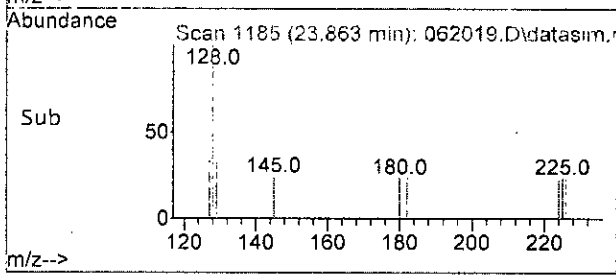
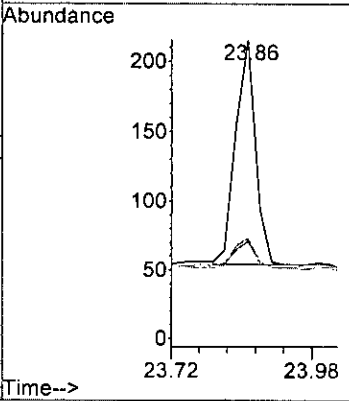
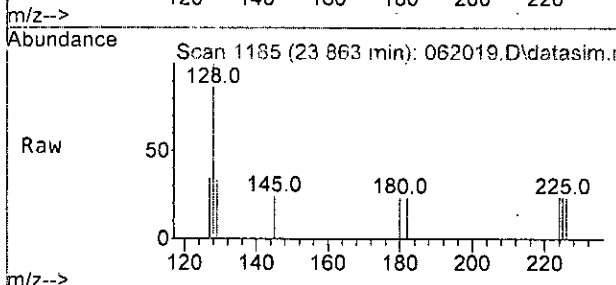




#77
 Naphthalene
 Concen: 0.051 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062019.D
 Acq: 21 Jun 2023 1:33 am

Tgt Ion: 128 Resp: 402

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 11.8 | 0.0 | 41.0 |
| 127 | 13.7 | 0.0 | 43.2 |



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19120 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 71183 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 64199 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 41344 | 9.086 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 90.90% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 12951 | 5.237 | ppbv | # 41 |
| 3) Dichlorodifluoromethane | 3.52 | 85 | 3672 | 0.446 | ppbv | 97 |
| 4) Chloromethane | 3.73 | 50 | 1259 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 4.21 | 54 | 310 | 0.134 | ppbv | # 1 |
| 8) Butane | 4.32 | 43 | 11965 | 2.563 | ppbv | # 80 |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.92 | 45 | 13223 | 10.865 | ppbv | 88 |
| 13] Acrolein | 5.39 | 56 | 333m | 0.262 | ppbv | |
| 14) Pentane | 6.25 | 43 | 3697 | 0.699 | ppbv | 97 |
| 15) Trichlorofluoromethane | 5.82 | 101 | 1465 | N.D. | | |
| 16) Acetone | 5.53 | 58 | 9001 | 6.828 | ppbv | # 86 |
| 17) 2-Propanol | 5.78 | 45 | 9127 | N.D. | | |
| 18) 1,1-Dichloroethene | 6.49 | 96 | 22 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 20) Methylene chloride | 6.78 | 84 | 8222 | 2.896 | ppbv | 88 |
| 21) t-Butyl alcohol (TBA) | 6.57 | 59 | 174 | N.D. | | |
| 22) 3-Chloropropene | 6.78 | 41 | 489 | N.D. | | |
| 23) CFC-113 | 7.15 | 101 | 178 | N.D. | | |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 1402 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 9.99 | 57 | 1263 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 962 | 0.126 | ppbv | 99 |
| 31) Ethyl acetate | 9.97 | 43 | 2179 | N.D. | | |
| 32) Tetrahydrofuran | 10.74 | 42 | 2171 | 0.615 | ppbv | 70 |
| 33) 2-Butanone (MEK) | 8.88 | 72 | 1050 | 0.906 | ppbv | # 63 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 98m | 0.020 | ppbv | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 498m | 0.074 | ppbv | |
| 37] Benzene | 12.58 | 78 | 3529m | 0.338 | ppbv | |
| 38) Cyclohexane | 13.05 | 84 | 4656 | 1.797 | ppbv | # 77 |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

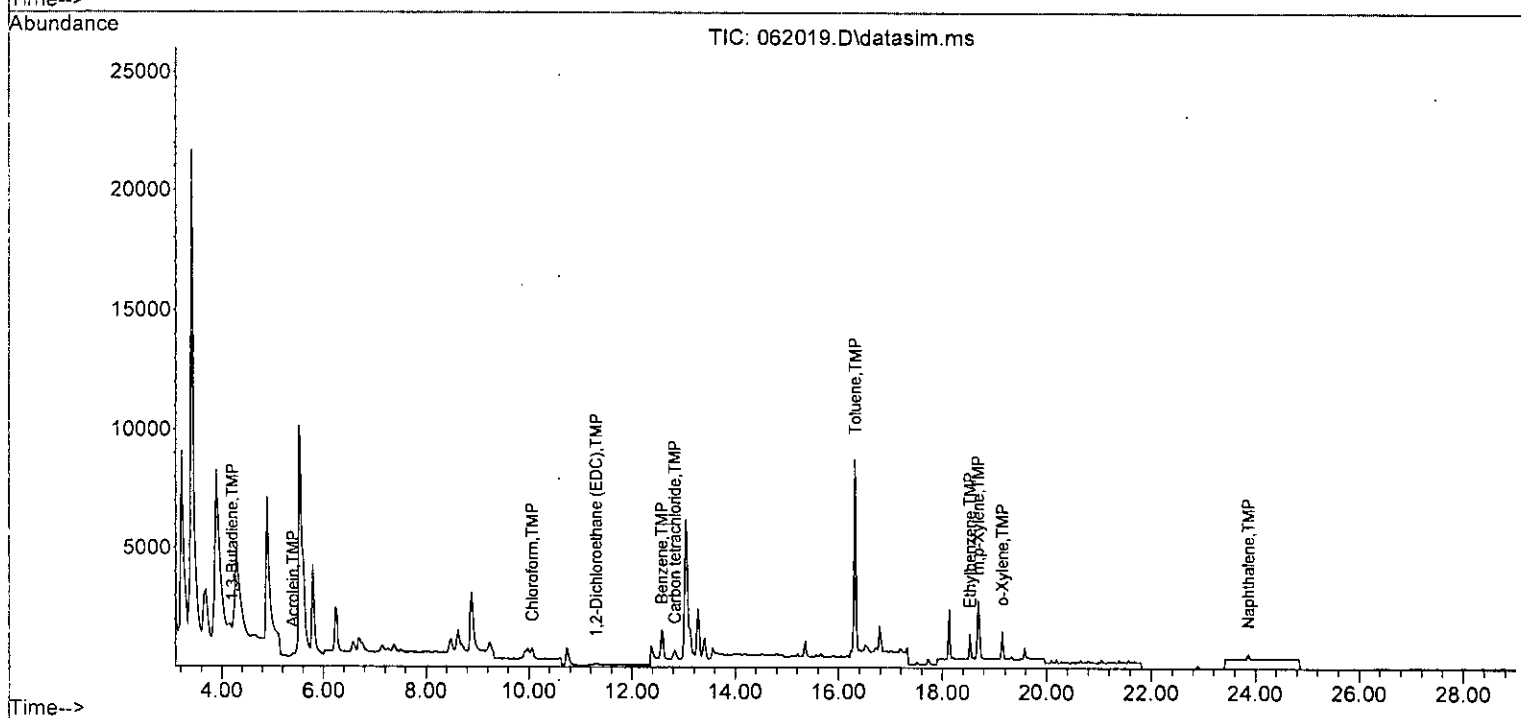
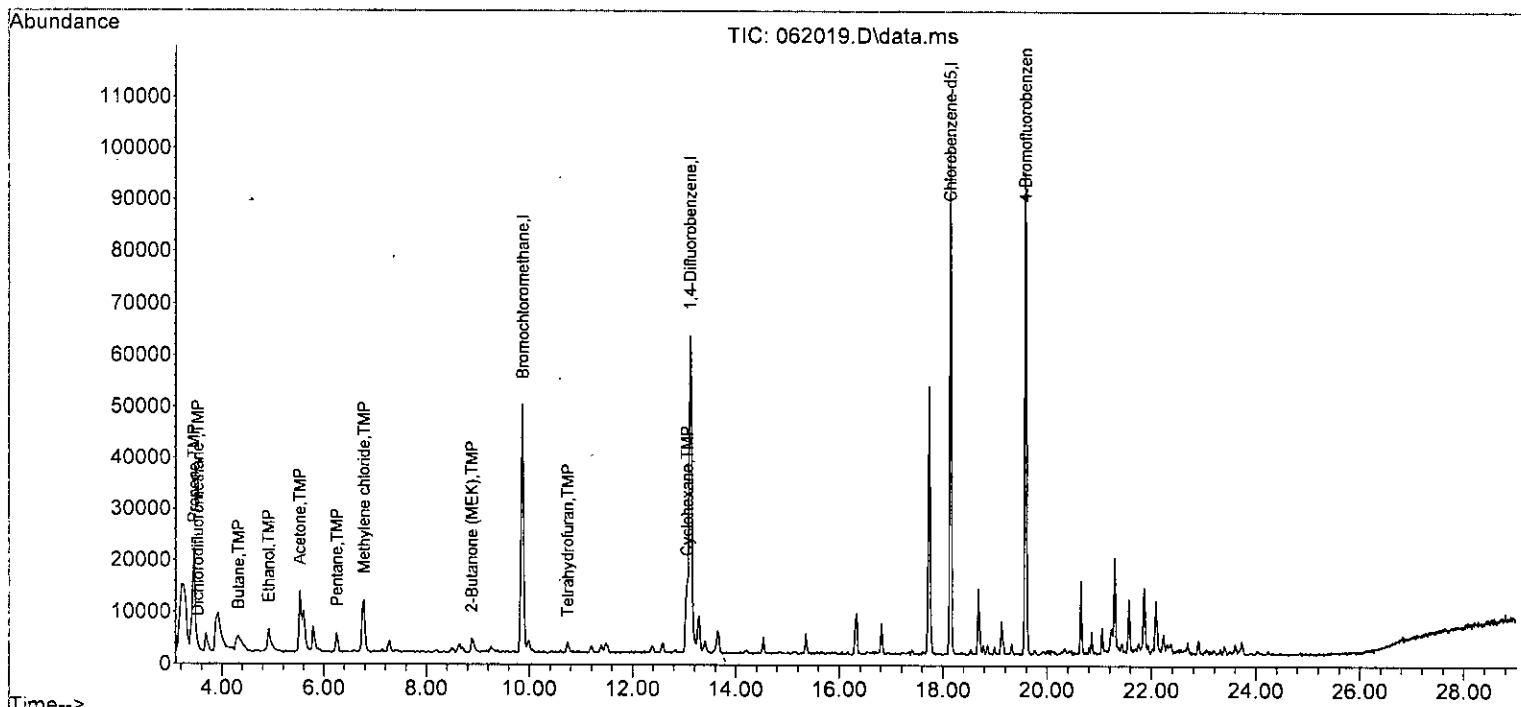
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 14.21 | 57 | 605 | | N.D. | |
| 43) Methyl methacrylate | 14.21 | 41 | 439 | | N.D. | |
| 44) Heptane | 14.53 | 43 | 1667 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. d | |
| 46) Trichloroethene | 0.00 | | 0 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50] Toluene | 16.31 | 92 | 5904m | 1.047 | ppbv | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.53 | 43 | 870 | | N.D. | |
| 53) Tetrachloroethene | 17.52 | 164 | 41 | | N.D. | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 1515 | 0.136 | ppbv | 100 |
| 59) 1,1,2,2-Tetrachloroethane | 18.98 | 83 | 33 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 1053 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 313 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.20 | 91 | 116 | | N.D. | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 841 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 1686 | 0.423 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 553 | 0.164 | ppbv | 90 |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.81 | 105 | 619 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 619 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 65 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 65 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 21.05 | 146 | 59 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 402 | 0.051 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062019.D
 Acq On : 21 Jun 2023 1:33 am
 Operator : bat
 Sample : 306242-04
 Misc : T7
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS7

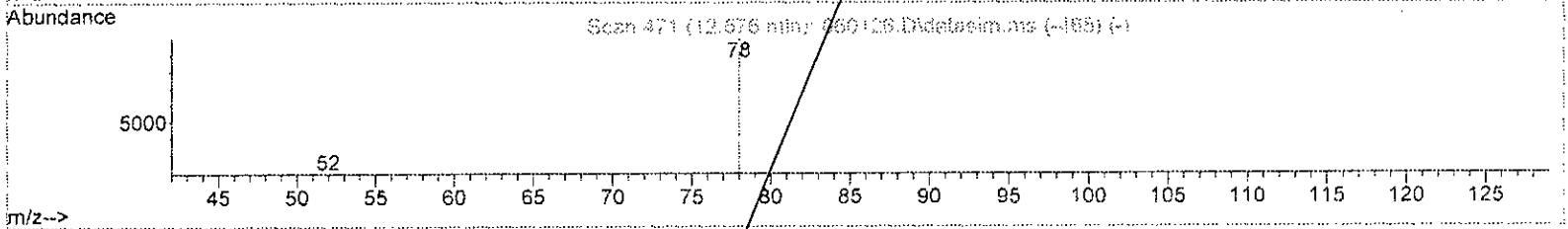
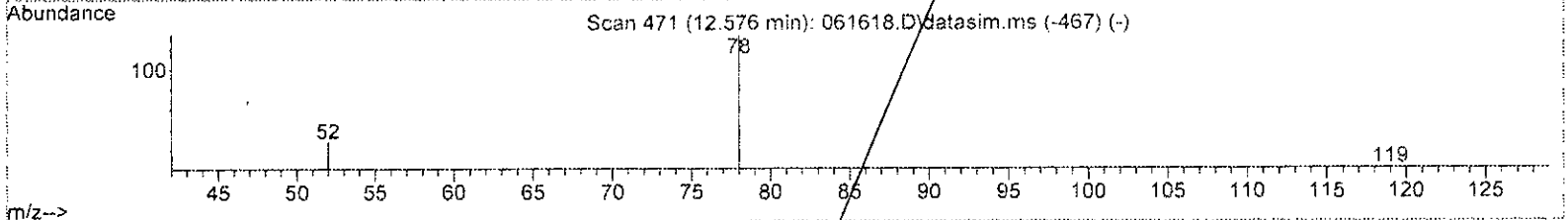
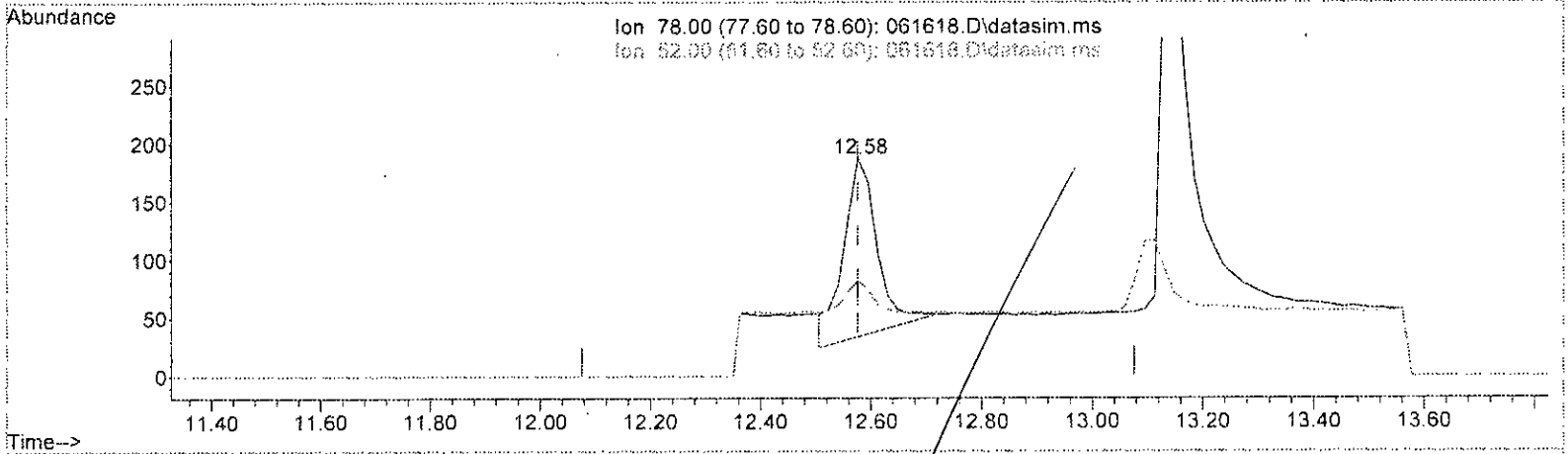
Quant Time: Jun 21 07:08:13 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061618.D\data.ms

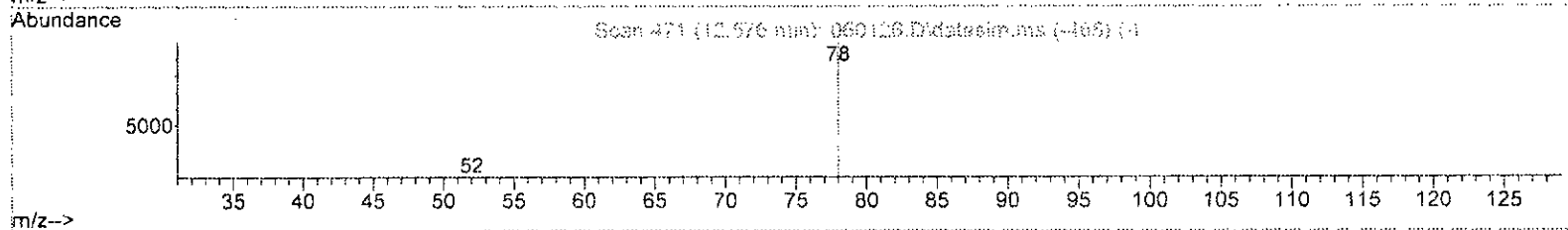
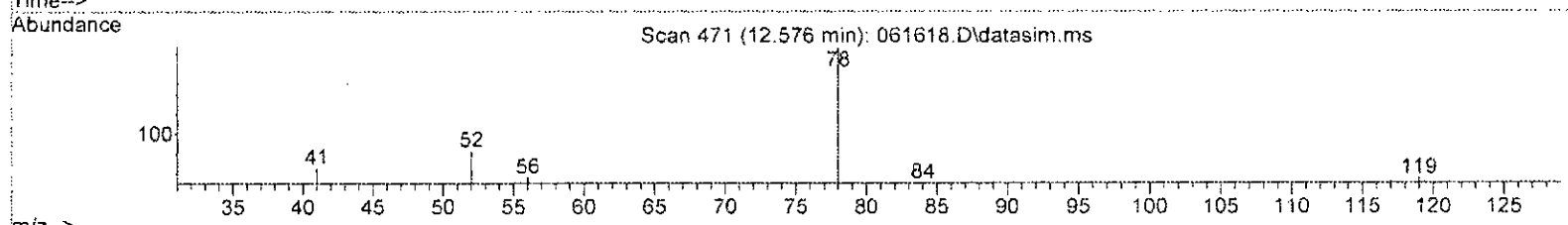
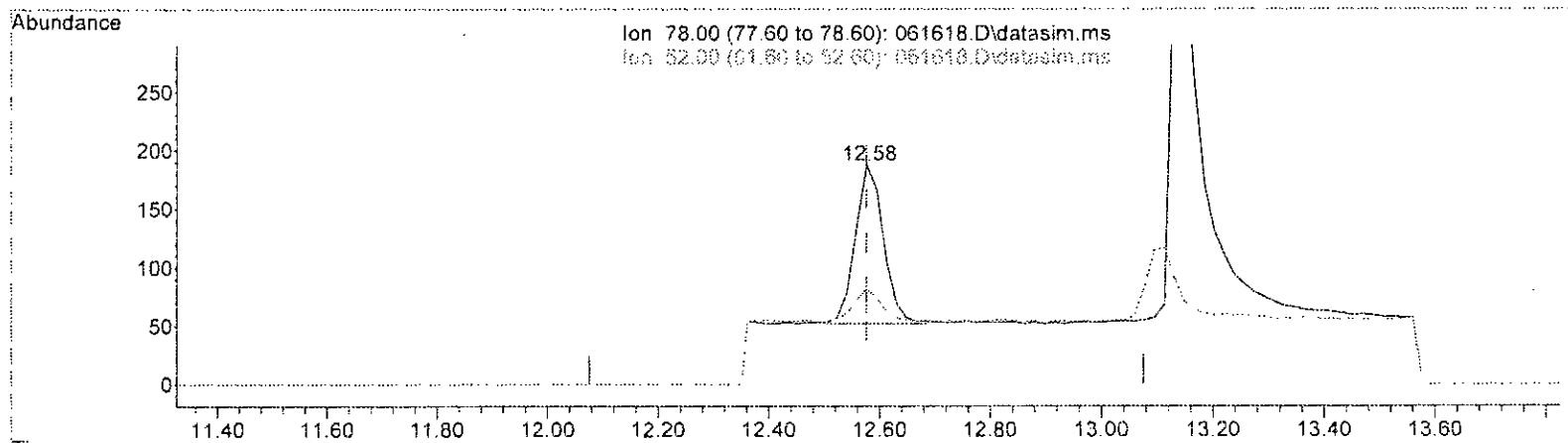
| (37) Benzene (TMP) | | |
|---------------------|--------|------------|
| 12.576min (+ 0.000) | | 0.058 ppbv |
| response | 652 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 20.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061618.D\data.ms

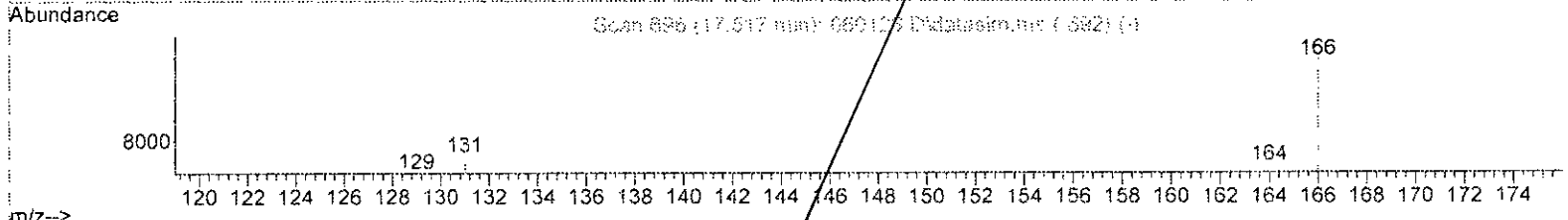
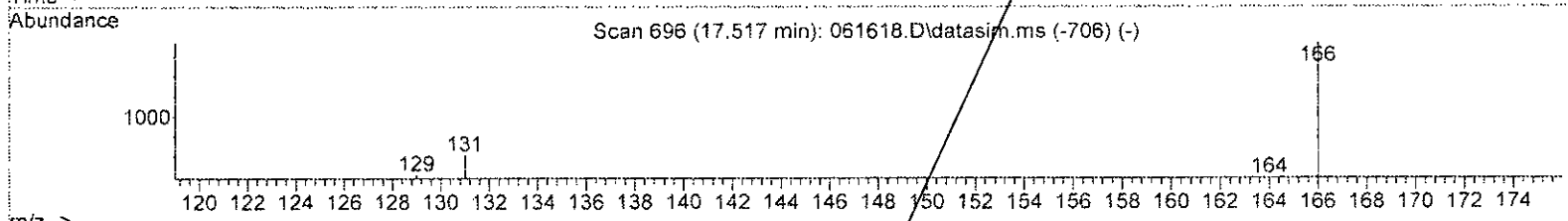
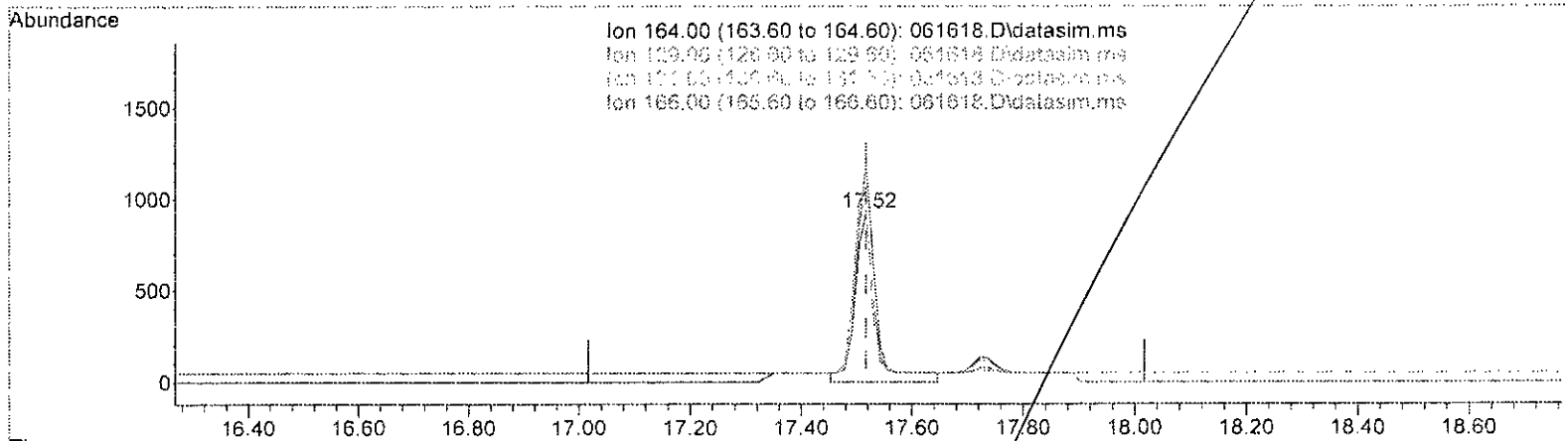
| (37) Benzene (TMP) | | |
|---------------------|--------------|--------|
| 12.576min (+ 0.000) | 0.043 ppbv m | |
| response | 476 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 43.85 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: b/ish

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061618.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 0.675 ppbv

response 2373

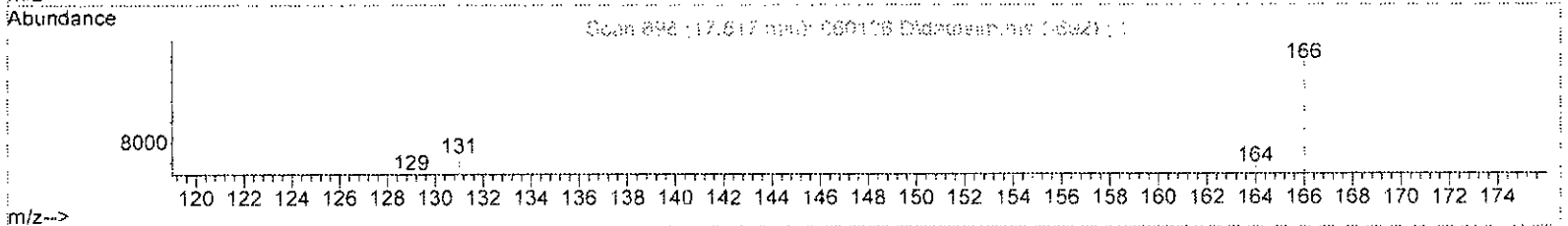
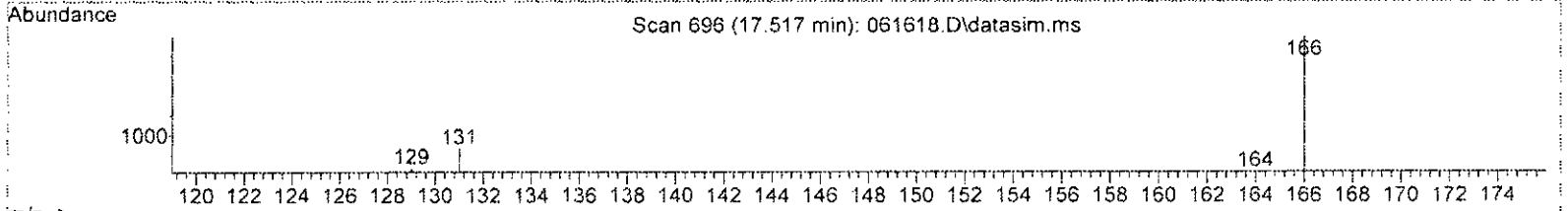
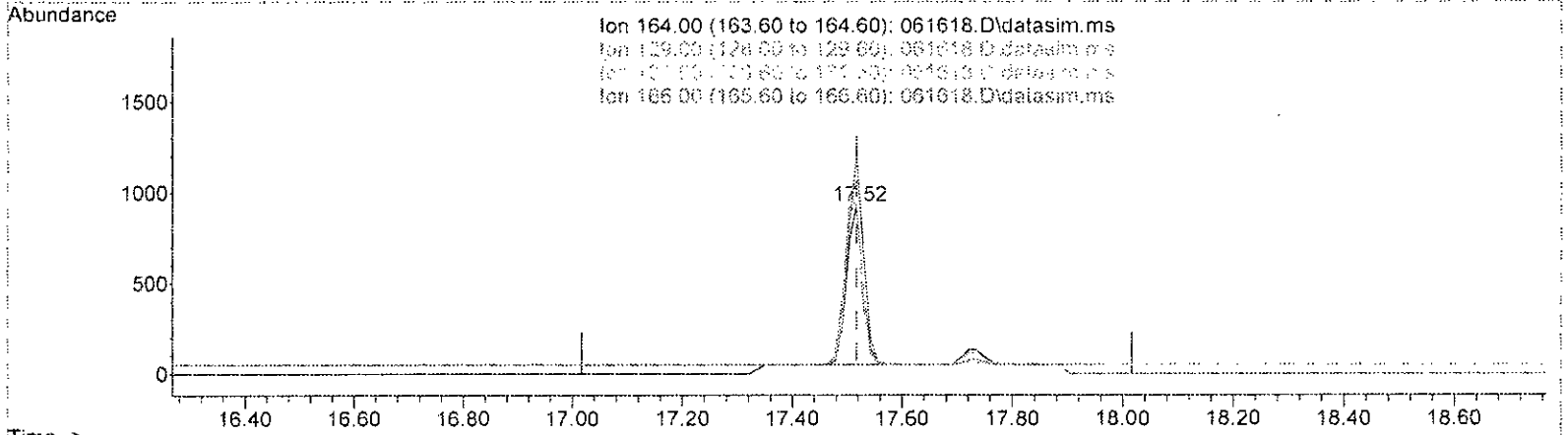
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.80 |
| 131.00 | 100.70 | 105.25 |
| 166.00 | 137.50 | 131.05 |

Handwritten signature

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061618.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 0.507 ppbv m

response 1783

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 100.76 |
| 131.00 | 100.70 | 105.08 |
| 166.00 | 137.50 | 129.37 |

Handwritten signature/initials

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

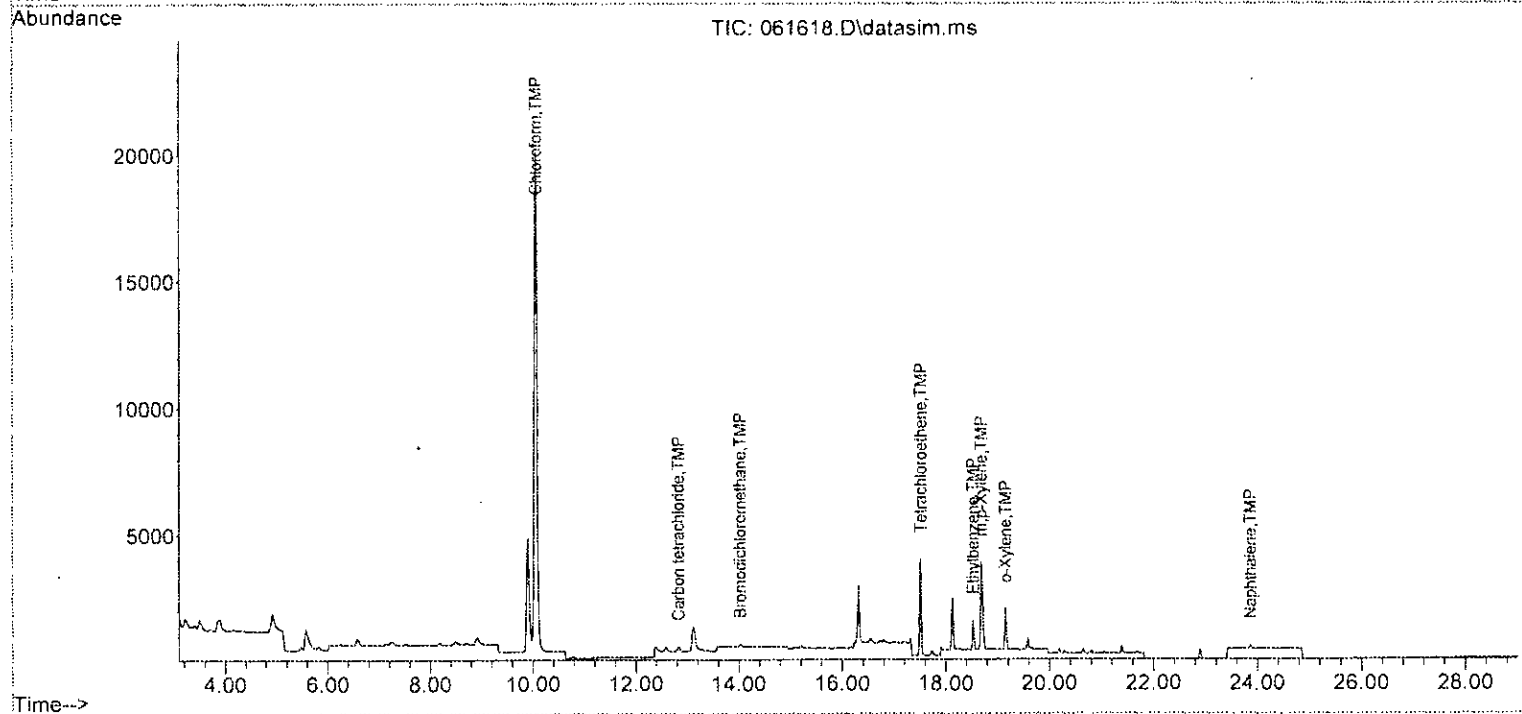
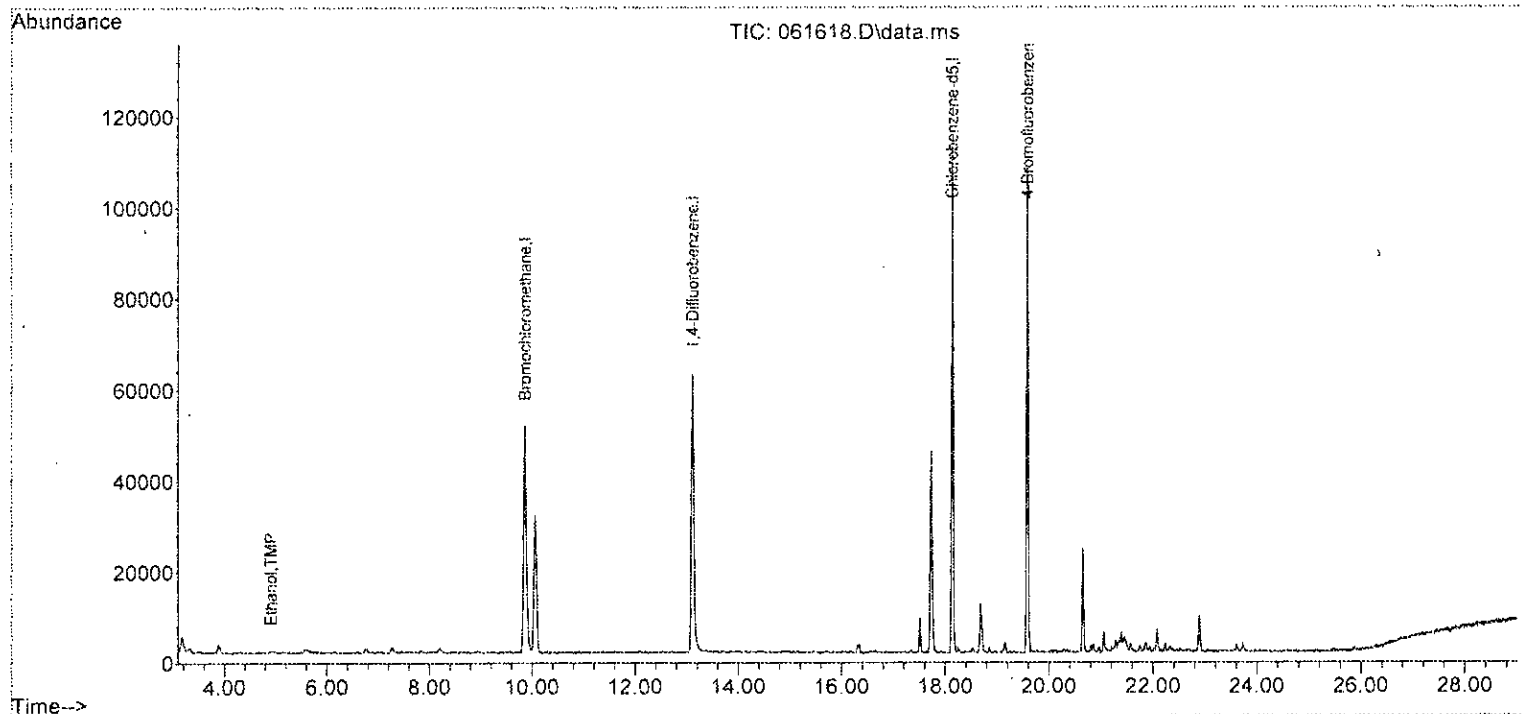
Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

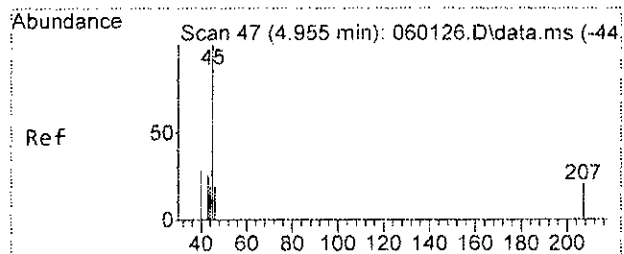
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20421 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72390 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 70056 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 45337 | 9.130 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 91.30% |
| Target Compounds | | | | | | |
| | | | | | Qvalue | |
| 12) Ethanol | 4.92 | 45 | 1898 | 1.460 | ppbv # | 50 |
| 30] Chloroform | 10.07 | 83 | 44997 | 5.502 | ppbv | 99 |
| 36] Carbon tetrachloride | 12.83 | 117 | 302 | 0.042 | ppbv | 98 |
| 45] Bromodichloromethane | 14.02 | 83 | 164 | 0.023 | ppbv | 97 |
| 53] Tetrachloroethene | 17.52 | 164 | 1783m | 0.507 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 1602 | 0.132 | ppbv | 98 |
| 65] m,p-Xylene | 18.68 | 106 | 2407 | 0.554 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 828 | 0.224 | ppbv | 95 |
| 77] Naphthalene | 23.86 | 128 | 262 | 0.031 | ppbv | 95 |
| ----- | | | | | | |

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

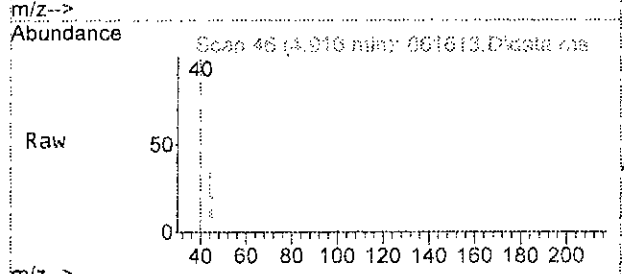
Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

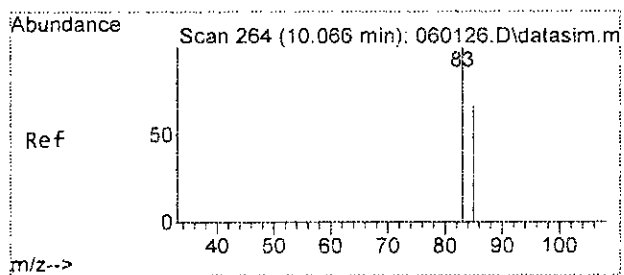
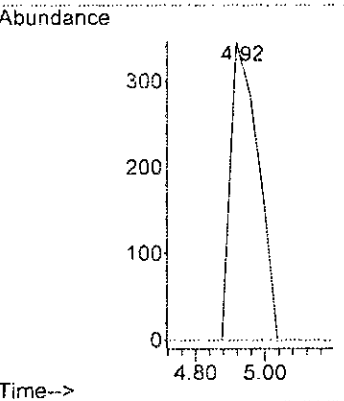
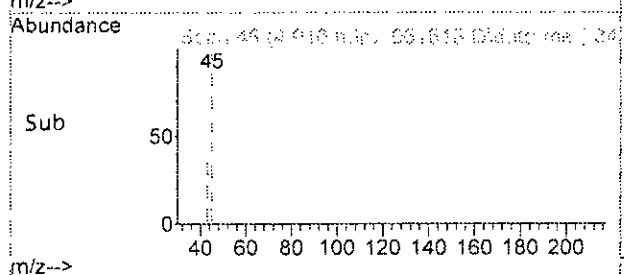




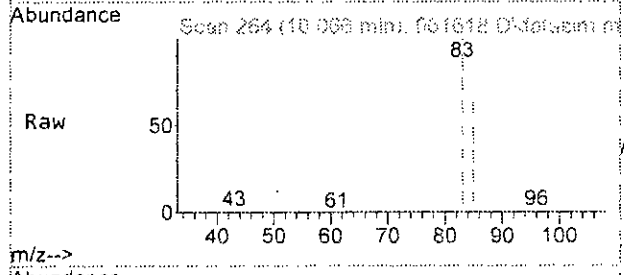
#12
 Ethanol
 Concen: 1.460 ppbv
 RT: 4.92 min Scan# 46
 Delta R.T. -0.039 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm



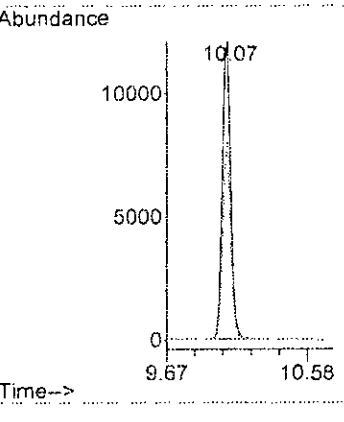
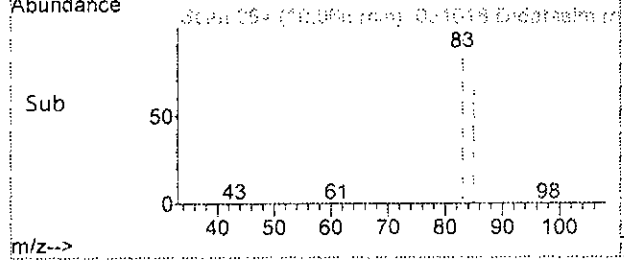
Tgt Ion: 45 Resp: 1898
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 55.5

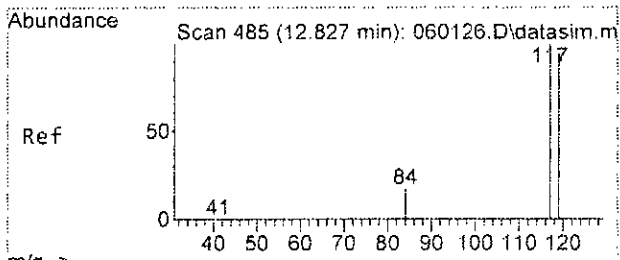


#30
 Chloroform
 Concen: 5.502 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm



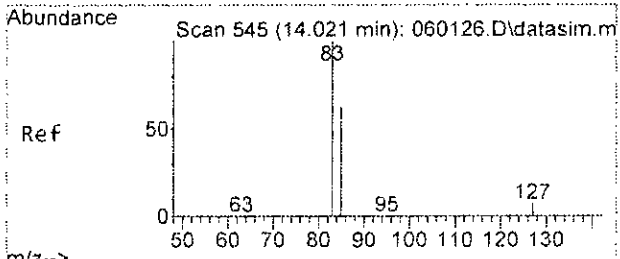
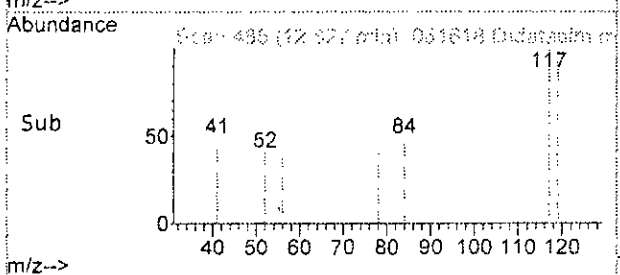
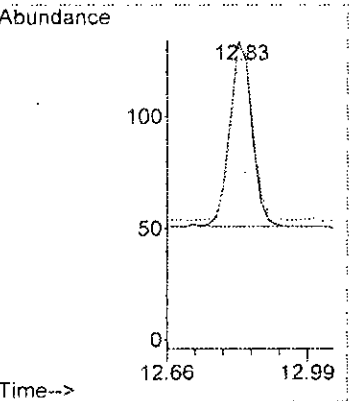
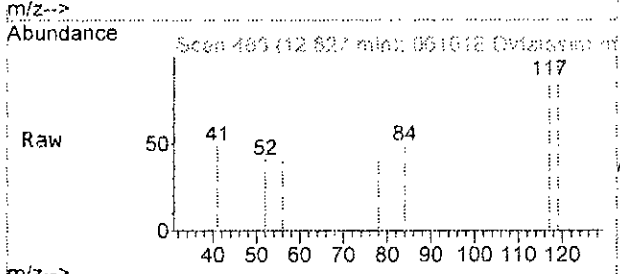
Tgt Ion: 83 Resp: 44997
 Ion Ratio Lower Upper
 83 100
 85 65.9 36.3 96.3





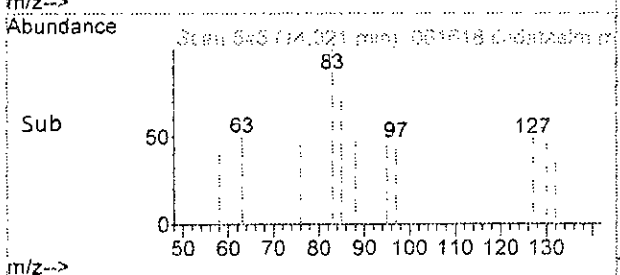
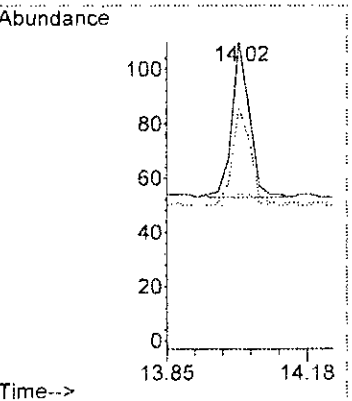
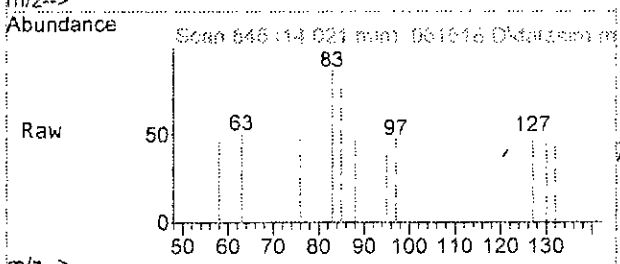
#36
 Carbon tetrachloride
 Concen: 0.042 ppbv
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

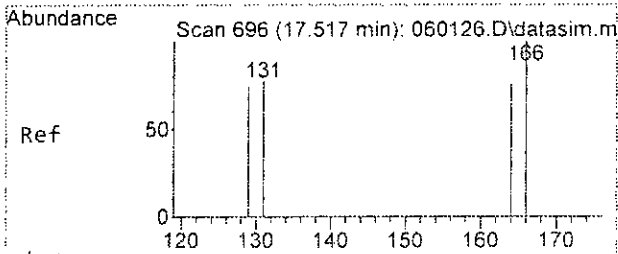
Tgt Ion: 117 Resp: 302
 Ion Ratio Lower Upper
 117 100
 119 92.8 64.6 124.6



#45
 Bromodichloromethane
 Concen: 0.023 ppbv
 RT: 14.02 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

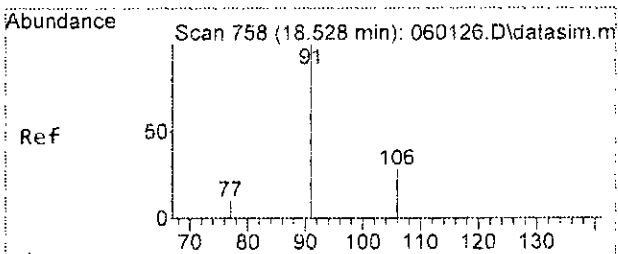
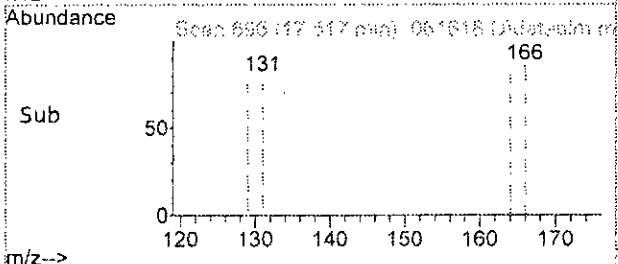
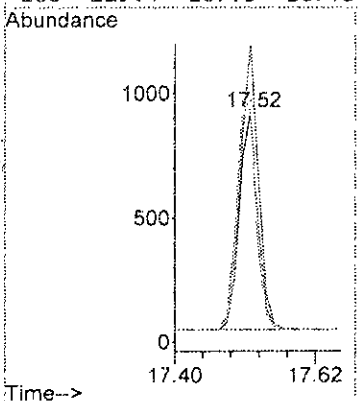
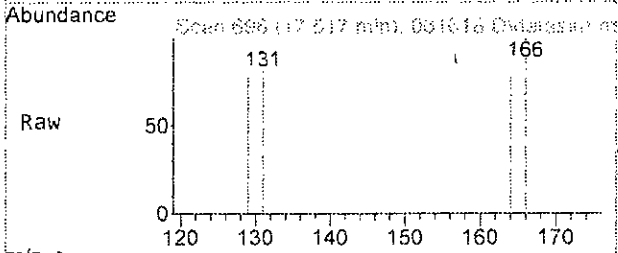
Tgt Ion: 83 Resp: 164
 Ion Ratio Lower Upper
 83 100
 85 63.2 31.0 91.0
 127 7.0 0.0 30.0





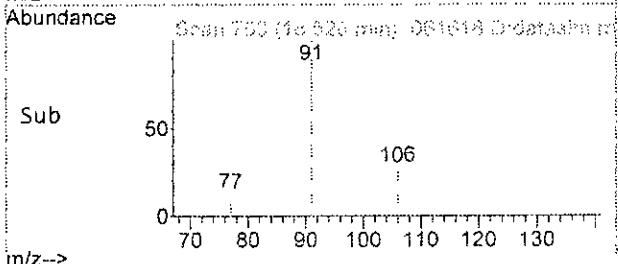
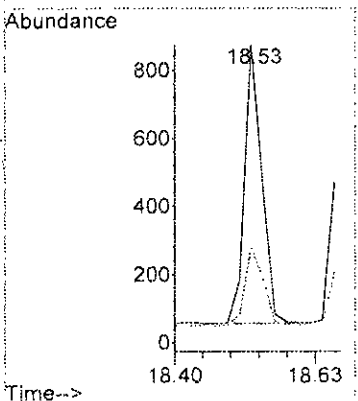
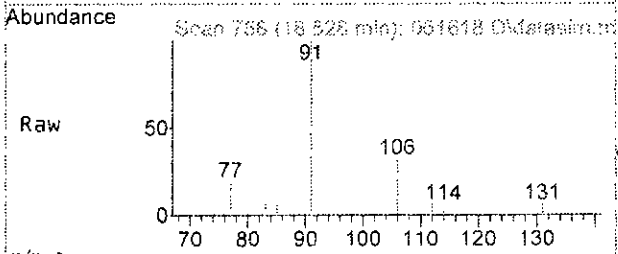
#53
 Tetrachloroethene
 Concen: 0.507 ppbv m
 RT: 17.52 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

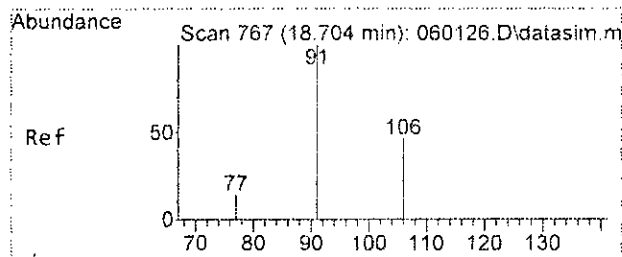
| Tgt Ion | 164 | Resp | 1783 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 164 | 100 | | |
| 129 | 100.8 | 63.2 | 123.2 |
| 131 | 105.1 | 70.7 | 130.7 |
| 166 | 129.4 | 107.5 | 167.5 |



#58
 Ethylbenzene
 Concen: 0.132 ppbv
 RT: 18.53 min Scan# 758
 Delta R.T. 0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

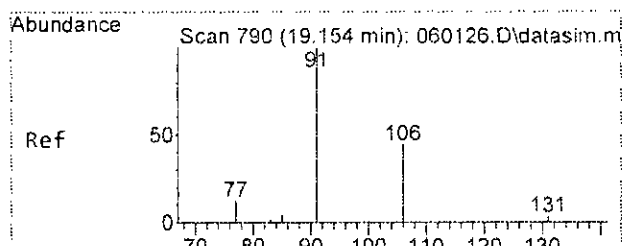
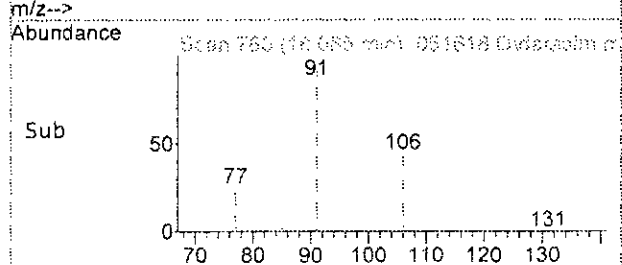
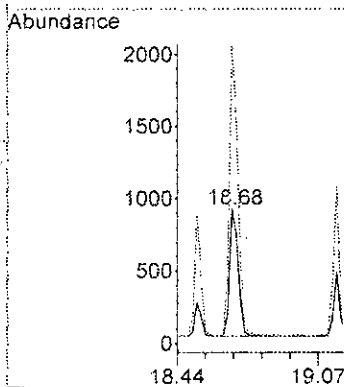
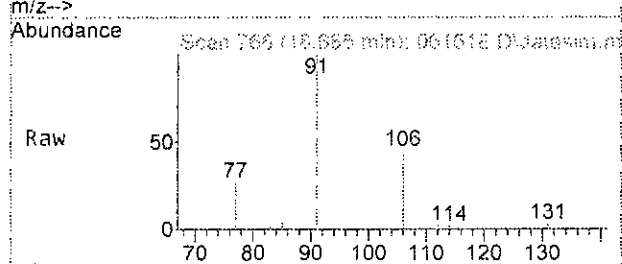
| Tgt Ion | 91 | Resp | 1602 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 106 | 28.0 | 0.0 | 57.0 |





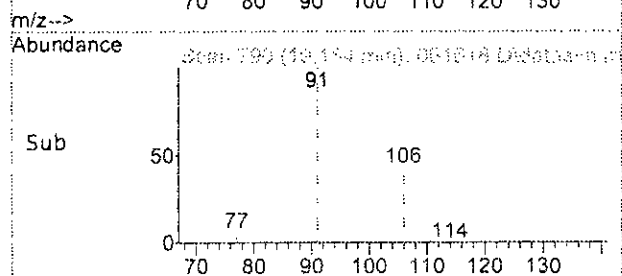
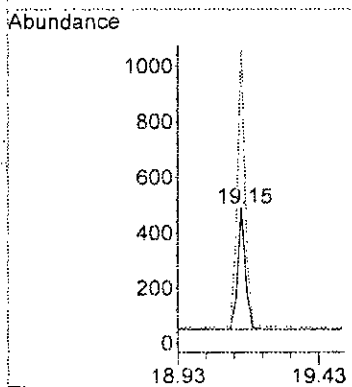
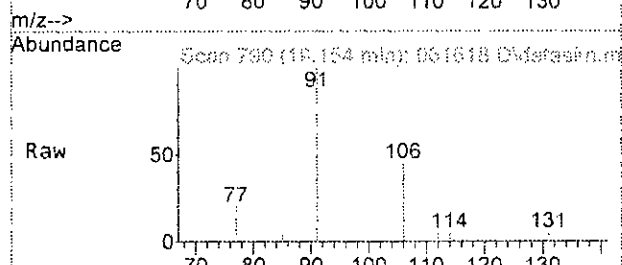
#65
 m,p-Xylene
 Concen: 0.554 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

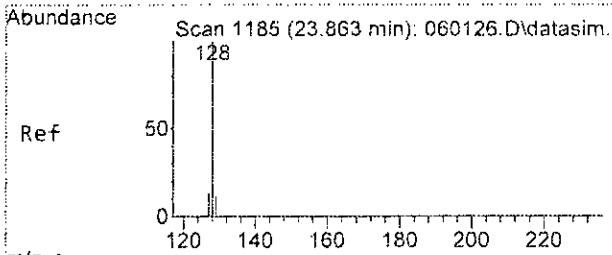
Tgt Ion: 106 Resp: 2407
 Ion Ratio Lower Upper
 106 100
 91 229.1 193.0 253.0



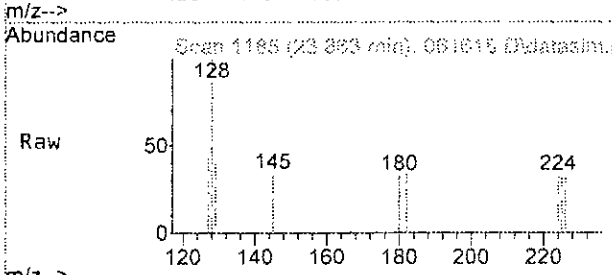
#66
 o-Xylene
 Concen: 0.224 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm

Tgt Ion: 106 Resp: 828
 Ion Ratio Lower Upper
 106 100
 91 232.4 194.4 254.4



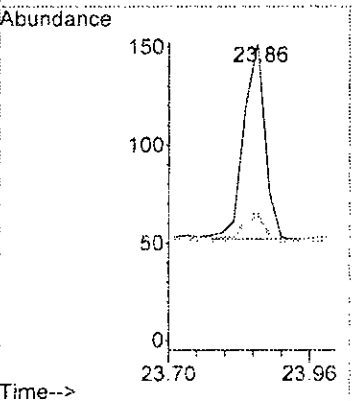
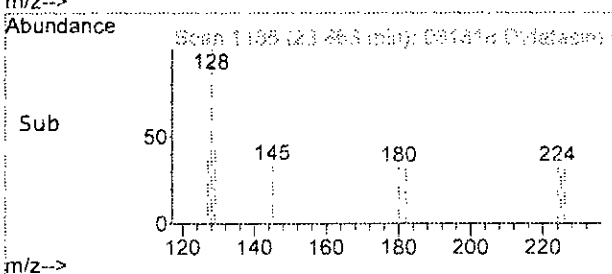


#77
 Naphthalene
 Concen: 0.031 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061618.D
 Acq: 16 Jun 2023 8:58 pm



Tgt Ion: 128 Resp: 262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 13.0 | 0.0 | 41.0 |
| 127 | 15.0 | 0.0 | 43.2 |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 20421 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72390 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 70056 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 45337 | 9.130 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 91.30% |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. d | |
| 4) Chloromethane | 3.69 | 50 | 277 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 0.00 | | 0 | | N.D. d | |
| 12) Ethanol | 4.92 | 45 | 1898 | 1.460 | ppbv # | 50 |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 5.60 | 58 | 708 | | N.D. | |
| 17) 2-Propanol | 5.82 | 45 | 149 | | N.D. | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 8.02 | 96 | 22 | | N.D. | |
| 20) Methylene chloride | 6.78 | 84 | 1011 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 0.00 | | 0 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 8.49 | 43 | 161 | | N.D. | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30] Chloroform | 10.07 | 83 | 44997 | 5.502 | ppbv | 99 |
| 31) Ethyl acetate | 0.00 | | 0 | | N.D. d | |
| 32) Tetrahydrofuran | 0.00 | | 0 | | N.D. | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. | |
| 35) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 36] Carbon tetrachloride | 12.83 | 117 | 302 | 0.042 | ppbv | 98 |
| 37) Benzene | 12.58 | 78 | 476 | | N.D. | |
| 38) Cyclohexane | 13.11 | 84 | 330 | | N.D. | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. d | |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

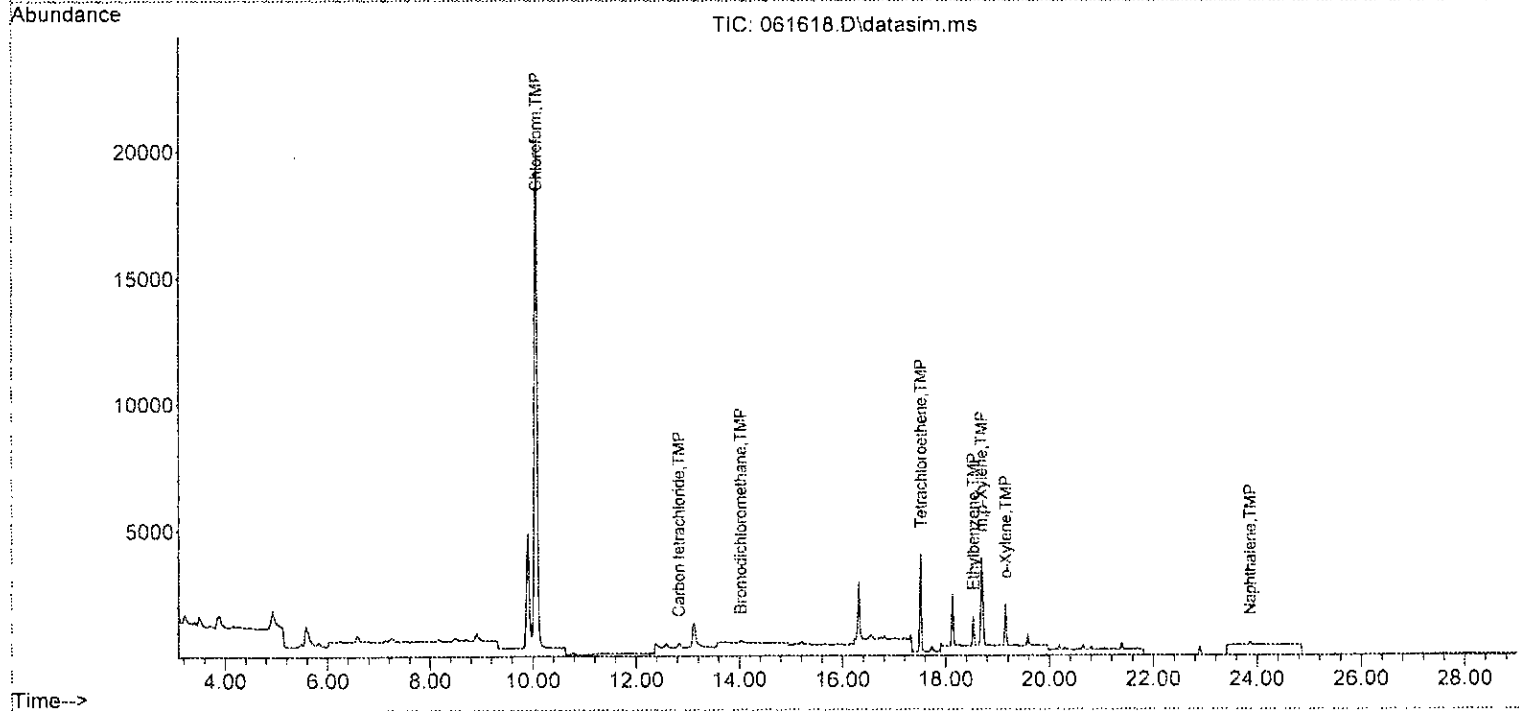
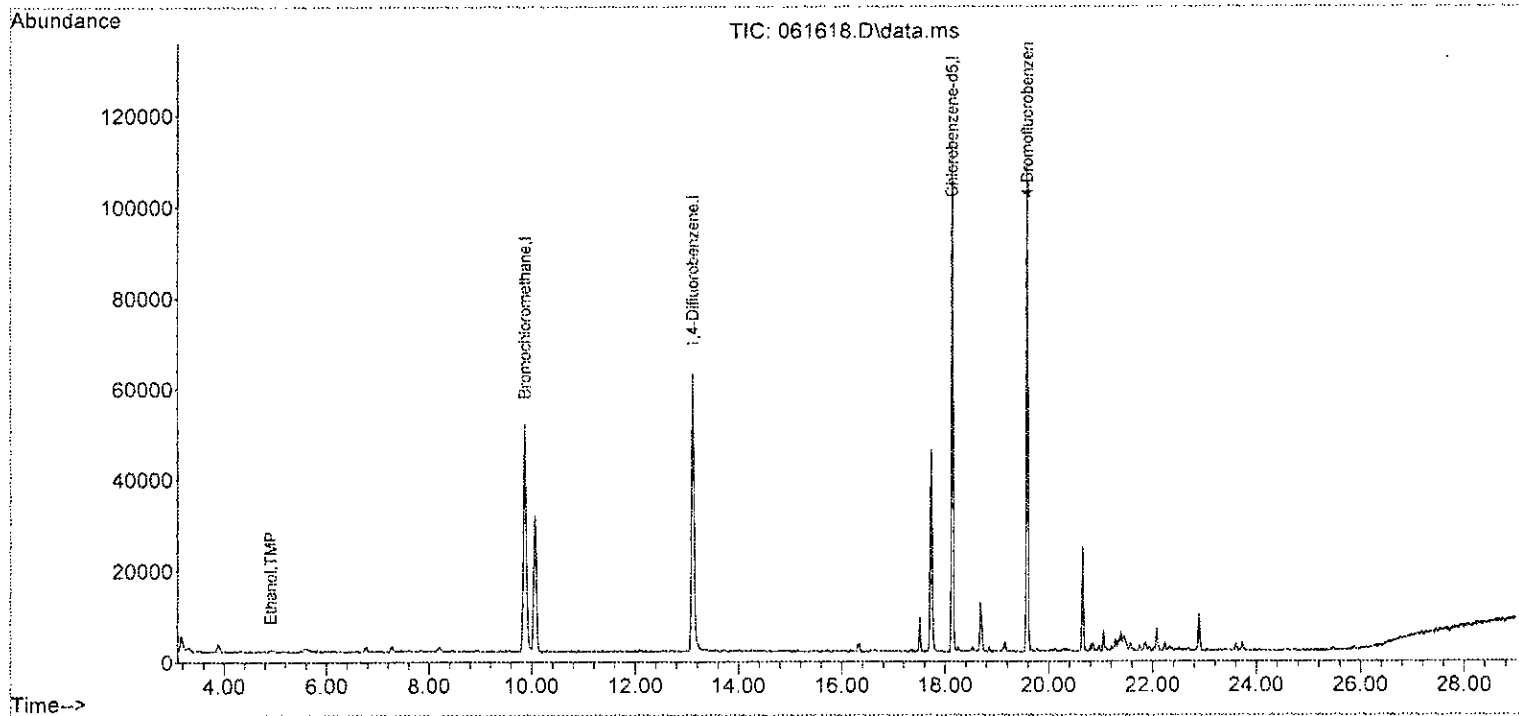
Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | N.D. | | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | N.D. | | |
| 43) Methyl methacrylate | 0.00 | | 0 | N.D. | | |
| 44) Heptane | 0.00 | | 0 | N.D. | | |
| 45] Bromodichloromethane | 14.02 | 83 | 164 | 0.023 | ppbv | 97 |
| 46) Trichloroethene | 14.12 | 95 | 24 | N.D. | | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 50) Toluene | 16.31 | 92 | 2514 | N.D. | | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 52) 2-Hexanone | 16.56 | 43 | 430 | N.D. | | |
| 53] Tetrachloroethene | 17.52 | 164 | 1783m | 0.507 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | N.D. | | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | N.D. | | |
| 57) Chlorobenzene | 0.00 | | 0 | N.D. | | |
| 58] Ethylbenzene | 18.53 | 91 | 1602 | 0.132 | ppbv | 98 |
| 59) 1,1,2,2-Tetrachloroethane | 19.23 | 83 | 22 | N.D. | | |
| 60) Nonane | 19.32 | 43 | 230 | N.D. | | |
| 61) Isopropylbenzene | 20.04 | 105 | 201 | N.D. | | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | N.D. | | |
| 63) Propylbenzene | 20.19 | 91 | 302 | N.D. | | |
| 64) 4-Ethyltoluene | 20.29 | 105 | 1102 | N.D. | | |
| 65] m,p-Xylene | 18.68 | 106 | 2407 | 0.554 | ppbv | 96 |
| 66] o-Xylene | 19.15 | 106 | 828 | 0.224 | ppbv | 95 |
| 67) Styrene | 18.70 | 104 | 123 | N.D. | | |
| 68) Bromoform | 0.00 | | 0 | N.D. | | |
| 70) Benzyl chloride | 0.00 | | 0 | N.D. | d | |
| 71) 1,3,5-Trimethylbenzene | 20.29 | 105 | 1102 | N.D. | | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 1041 | N.D. | | |
| 73) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 74) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | | |
| 77] Naphthalene | 23.86 | 128 | 262 | 0.031 | ppbv | 95 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | N.D. | | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061618.D
 Acq On : 16 Jun 2023 8:58 pm
 Operator : bat
 Sample : 306242-05 1/5.1
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

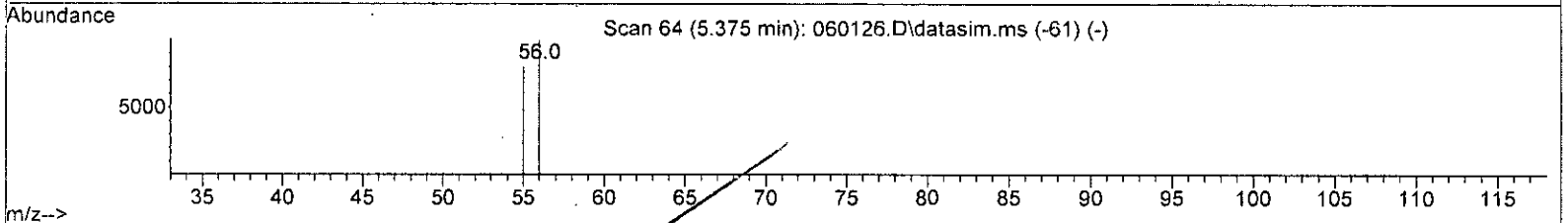
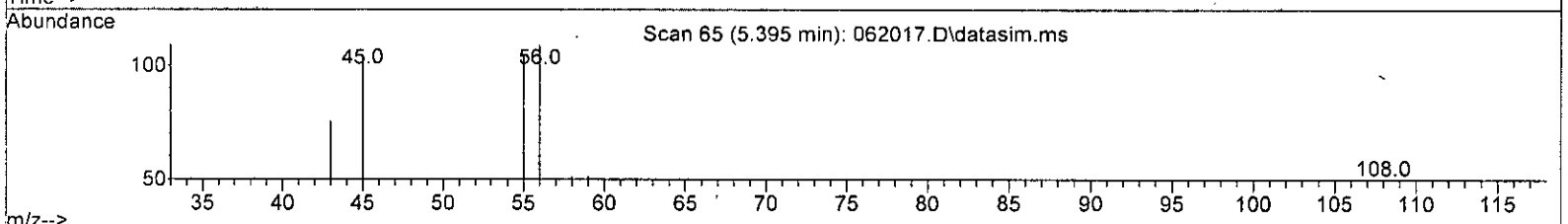
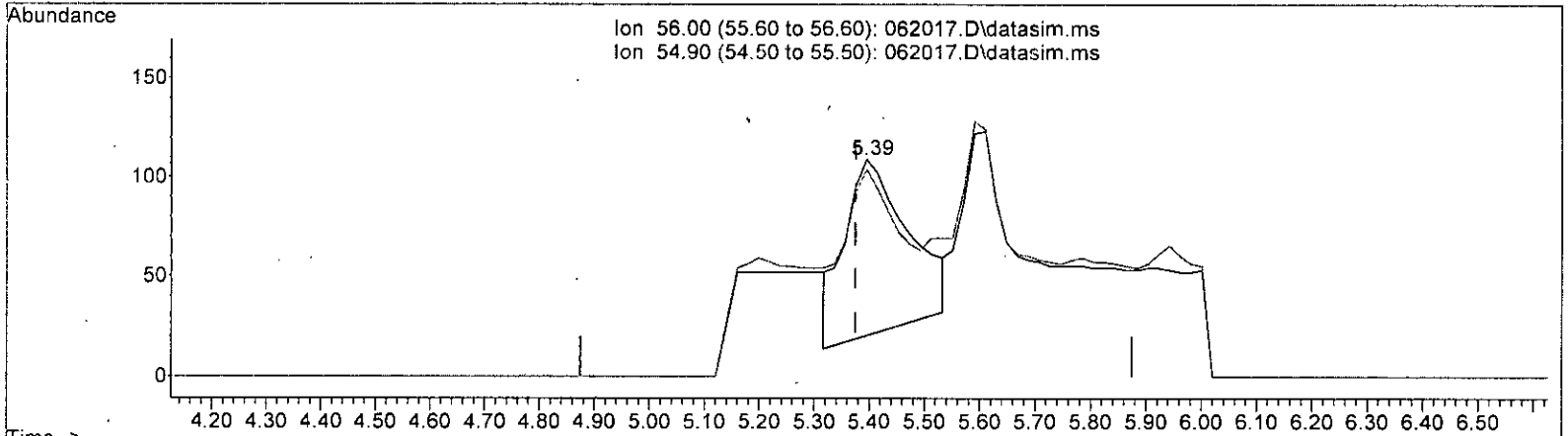
Quant Time: Jun 19 12:50:56 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

| Ion | Exp% | Act% |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 78.32 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

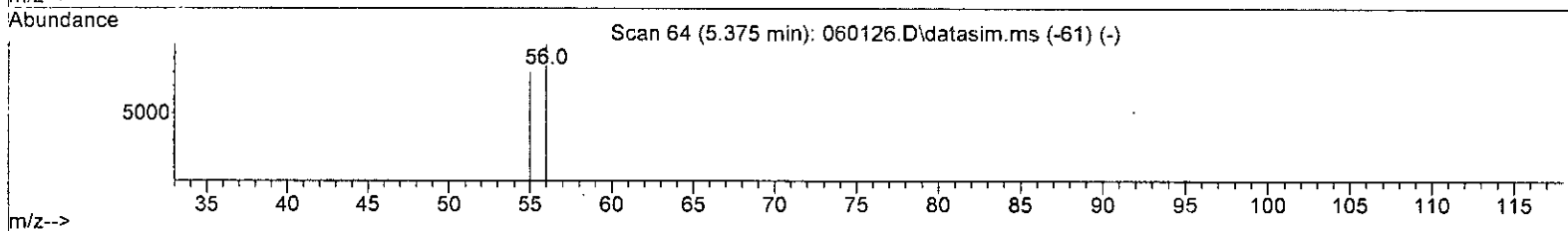
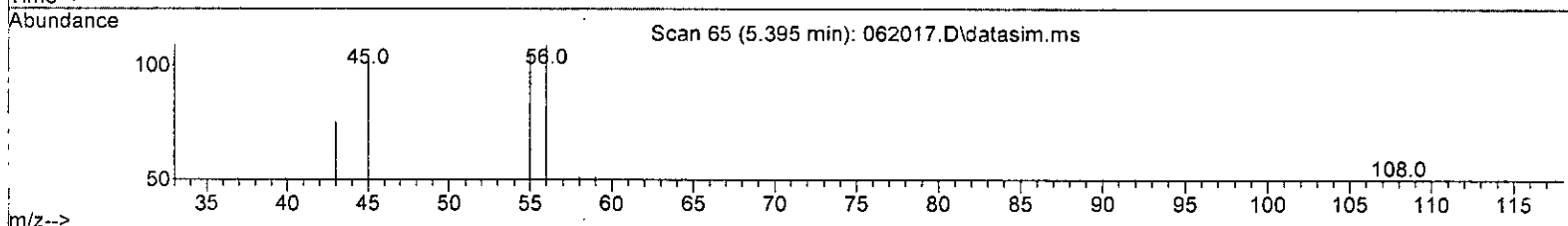
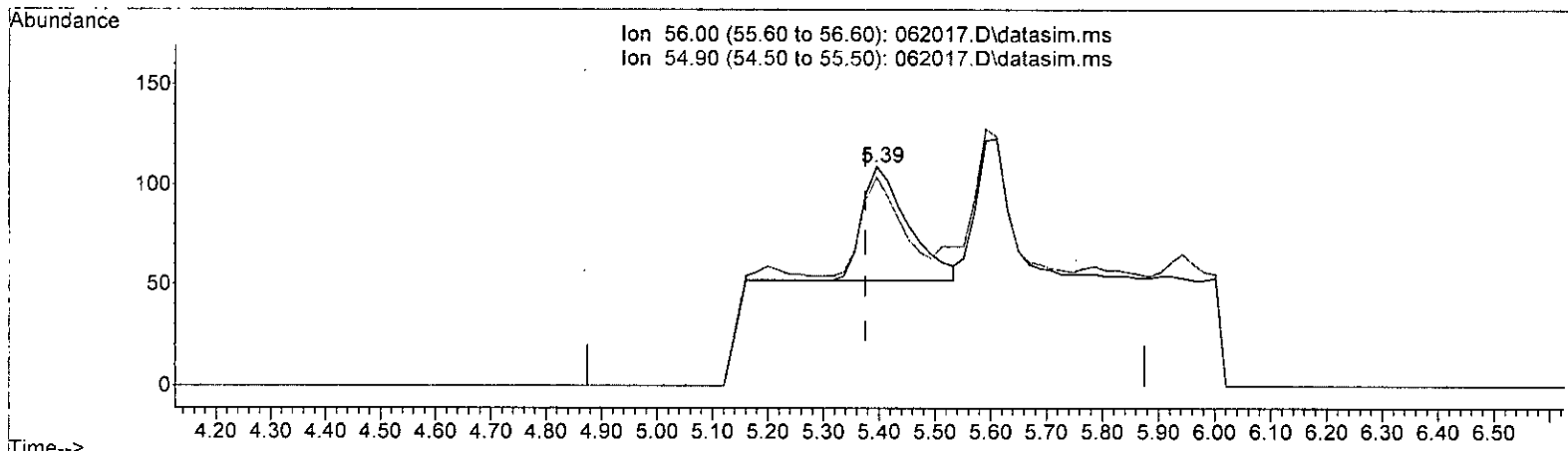
(13) Acrolein (TMP)
 5.395min (+ 0.020) 0.544 ppbv
 response 781

MD
 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062017.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.253 ppbv m

response 326

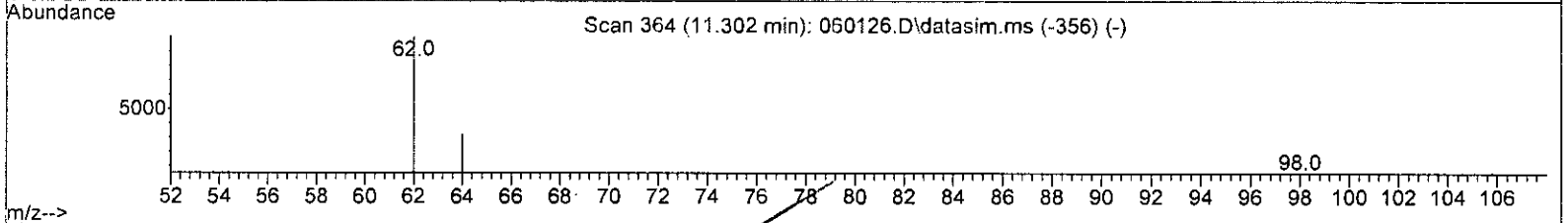
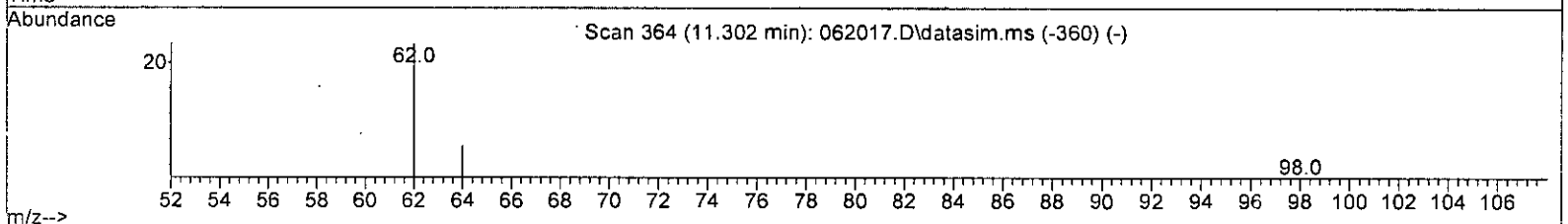
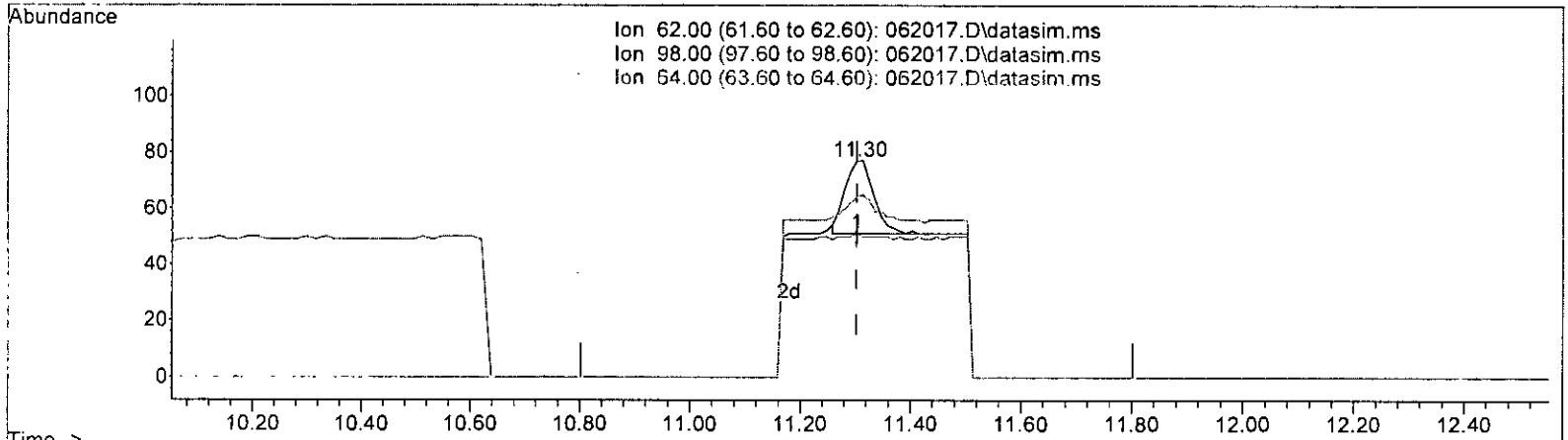
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 168.40# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.019 ppbv

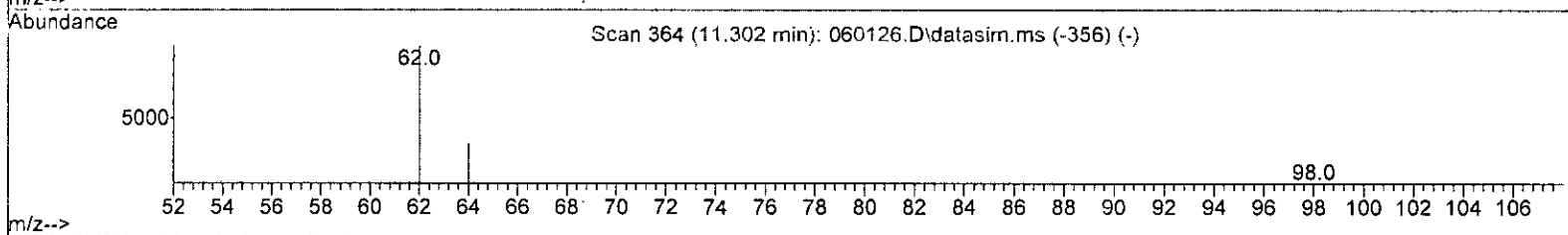
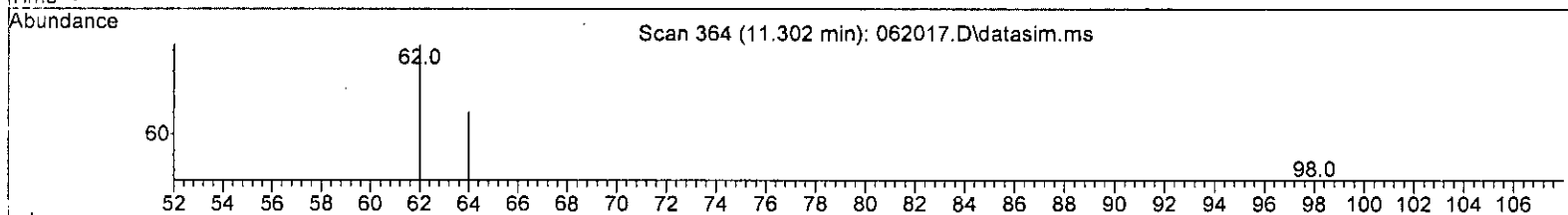
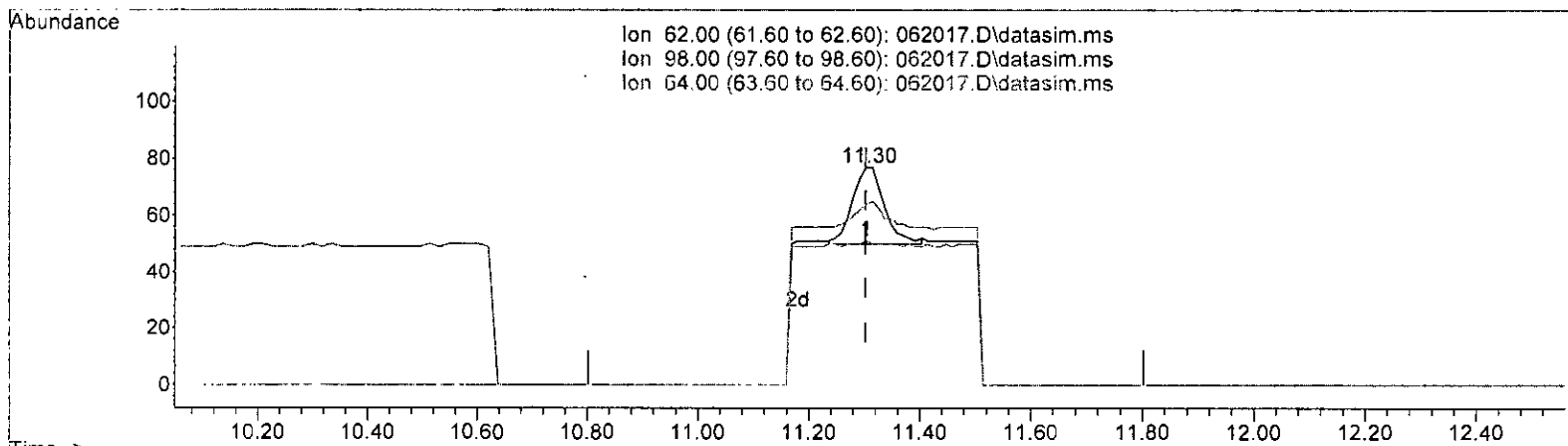
| response | 95 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 7.69 |
| 64.00 | 33.00 34.62 |
| 0.00 | 0.00 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (+ 0.000) 0.022 ppbv m

response 108

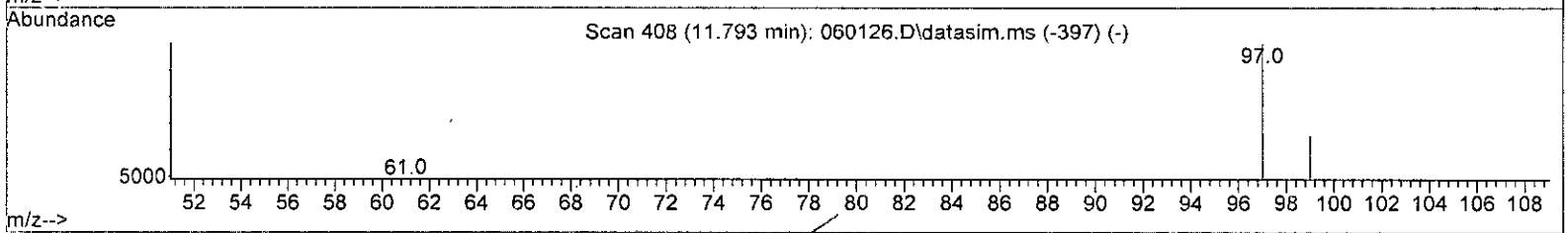
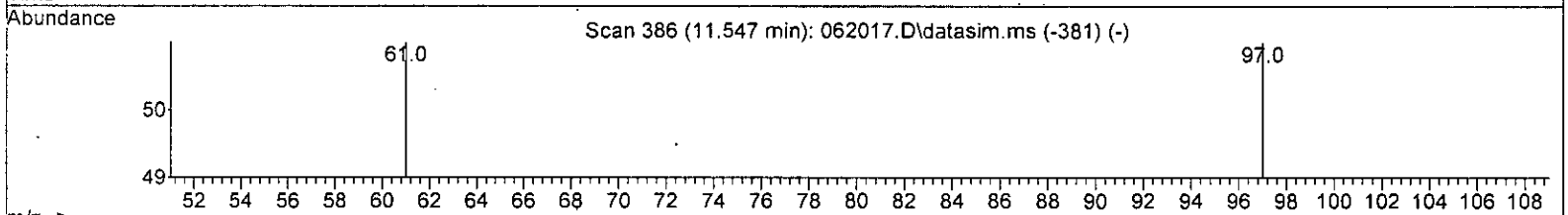
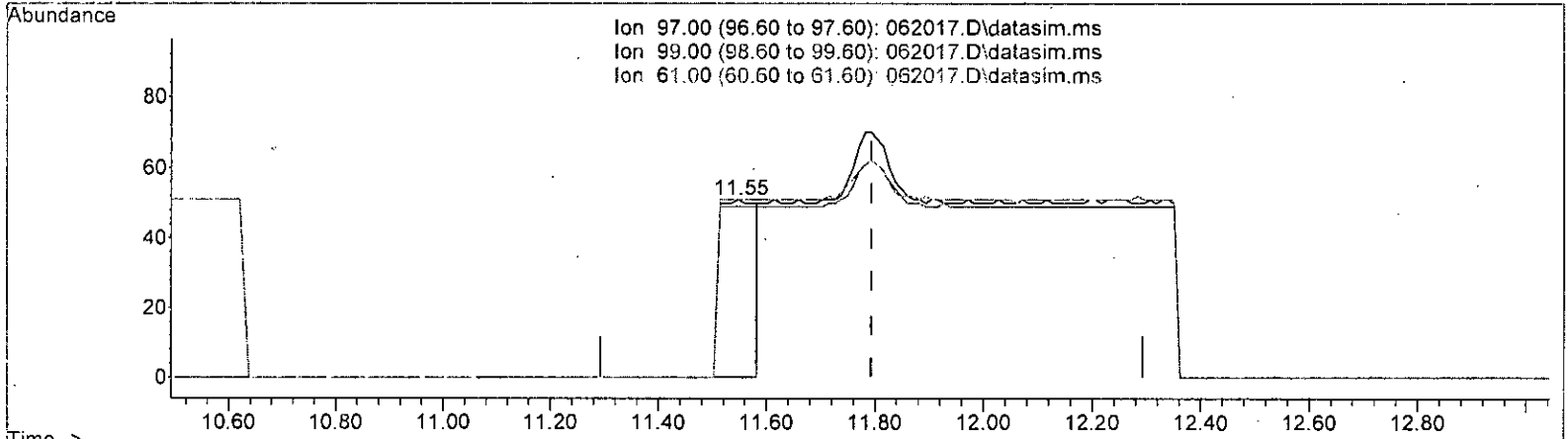
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 5.30 | 66.23# |
| 64.00 | 33.00 | 83.12# |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062017.D\data.ms

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

11.547min (-0.246) 0.035 ppbv

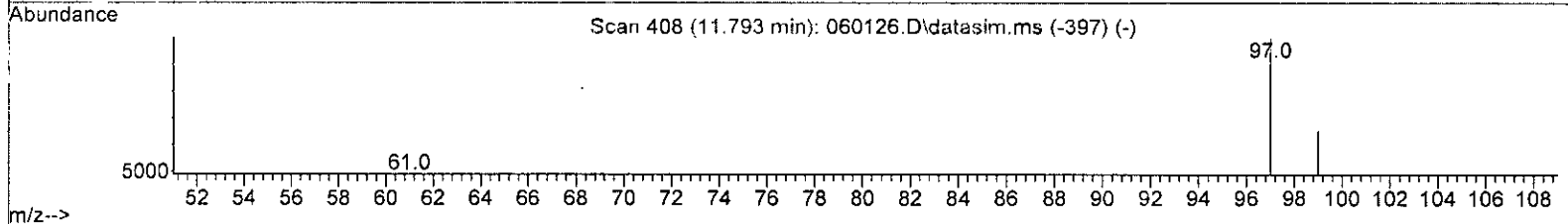
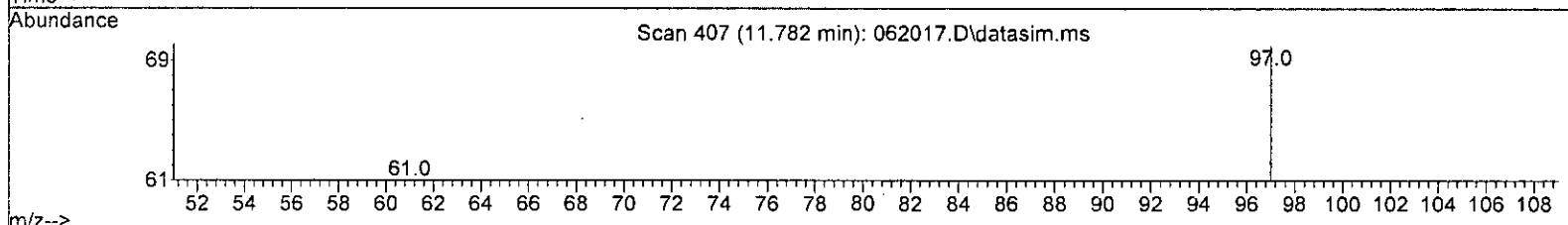
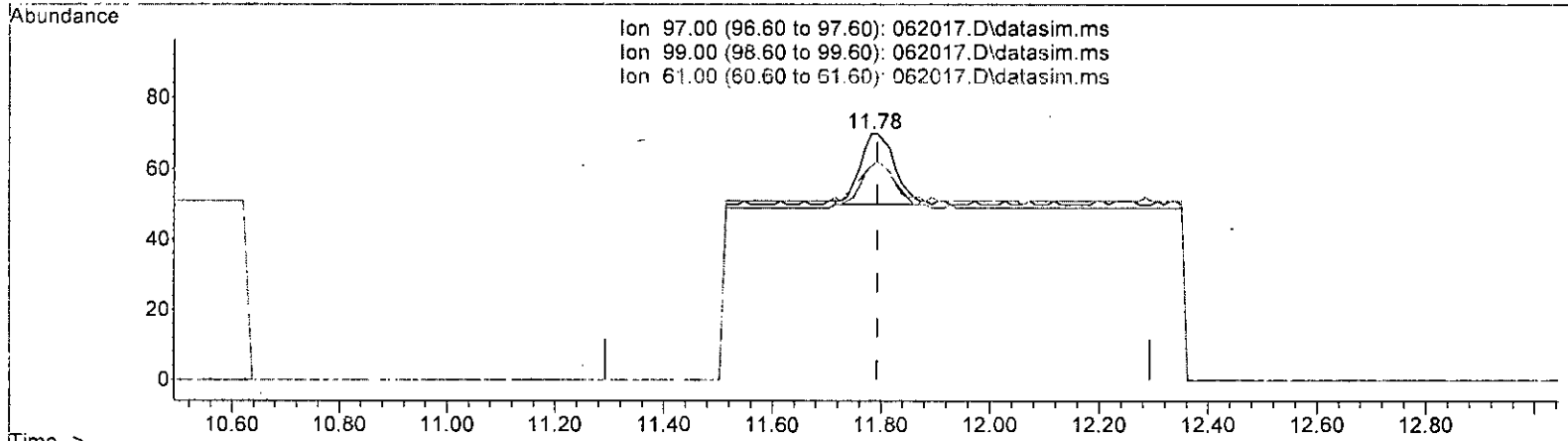
| response | 235 |
|----------|---------------|
| Ion | Exp% Act% |
| 97.00 | 100.00 100.00 |
| 99.00 | 61.70 96.08# |
| 61.00 | 49.30 100.00# |
| 0.00 | 0.00 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : TS
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)
 11.782min (-0.011) 0.013 ppbv m

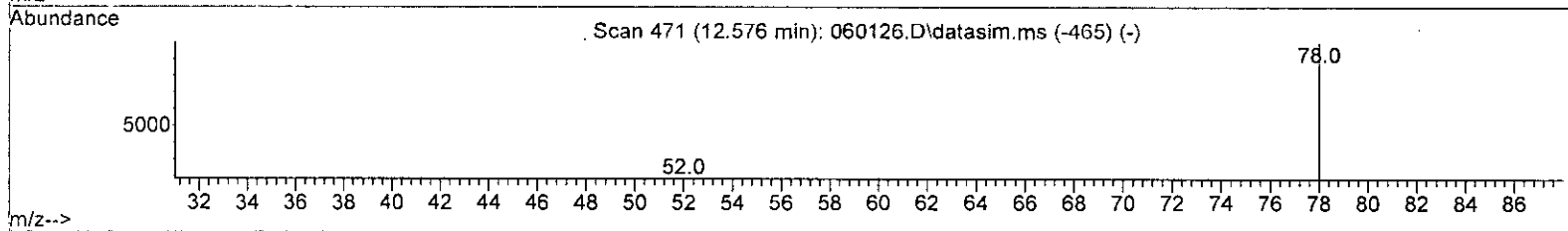
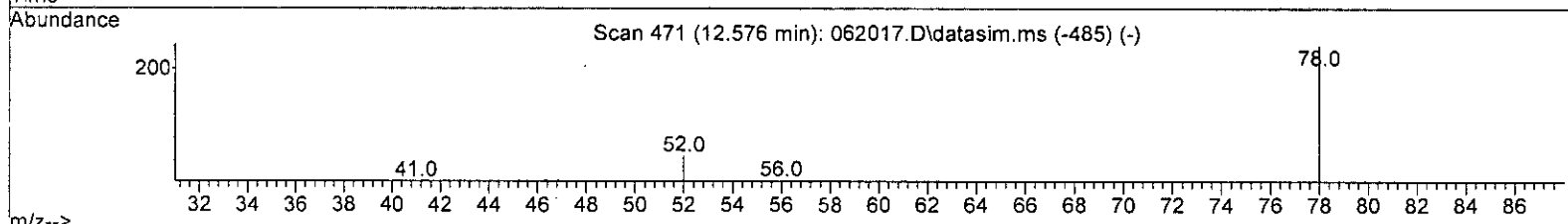
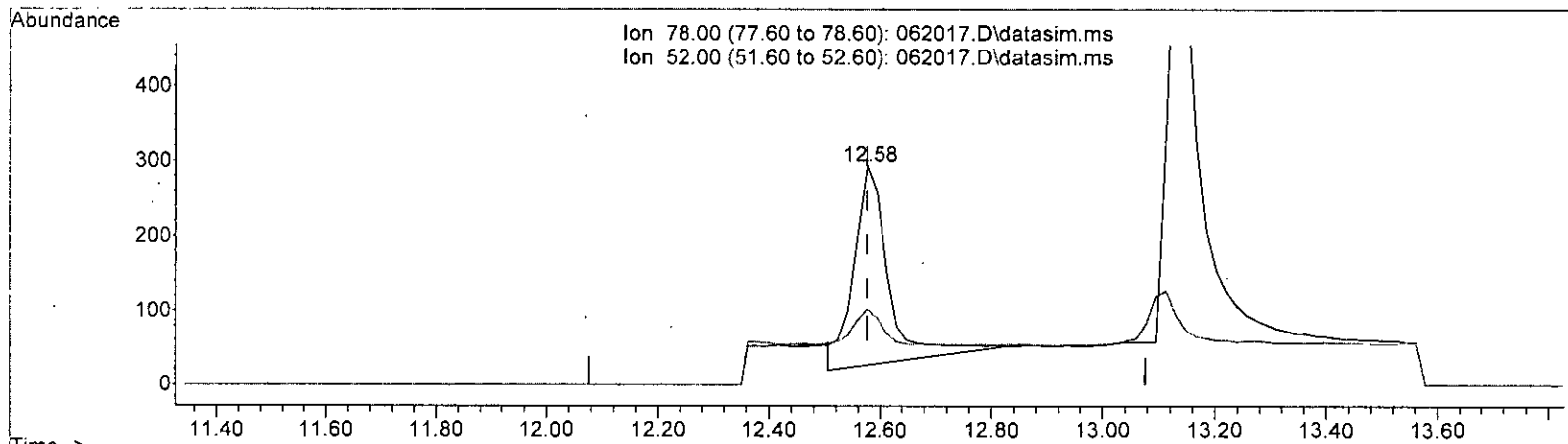
| response | 88 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 97.00 | 100.00 | 100.00 |
| 99.00 | 61.70 | 87.14 |
| 61.00 | 49.30 | 87.14# |
| 0.00 | 0.00 | 0.00 |

MD
07/1/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062017.D\data.ms

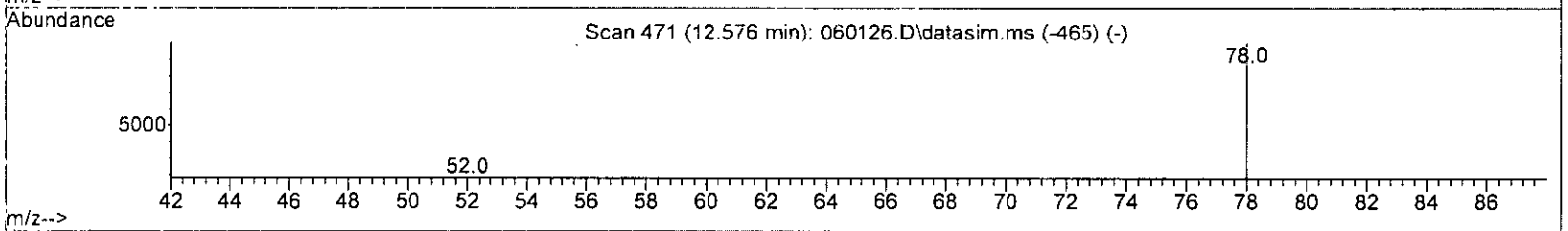
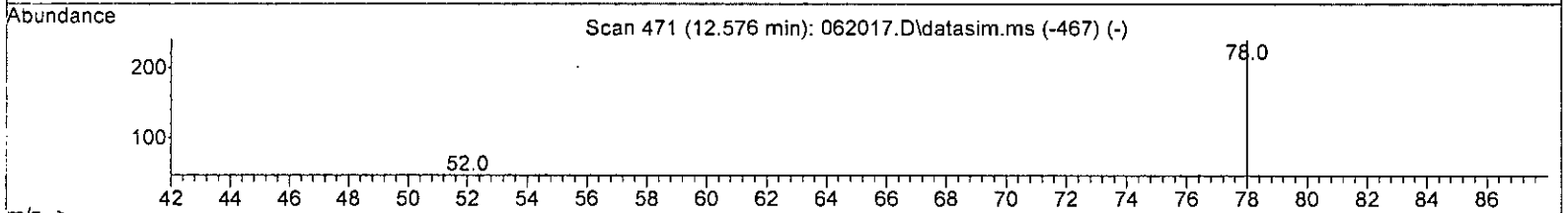
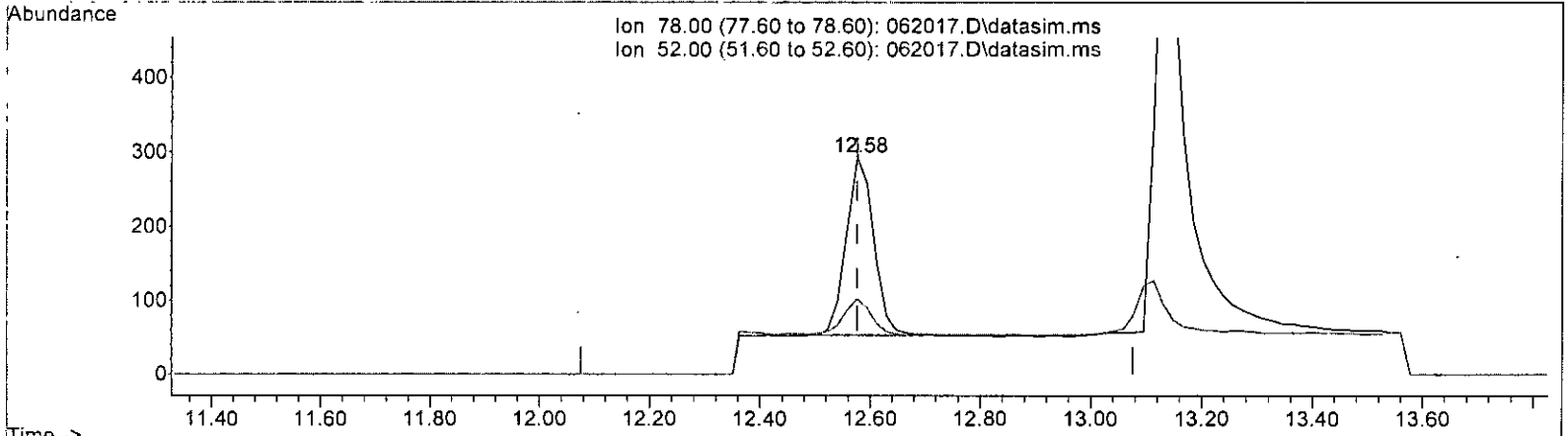
| (37) Benzene (TMP) | | | |
|---------------------|------------|--------|--|
| 12.576min (+ 0.000) | 0.110 ppbv | | |
| response | 1171 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 19.92 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

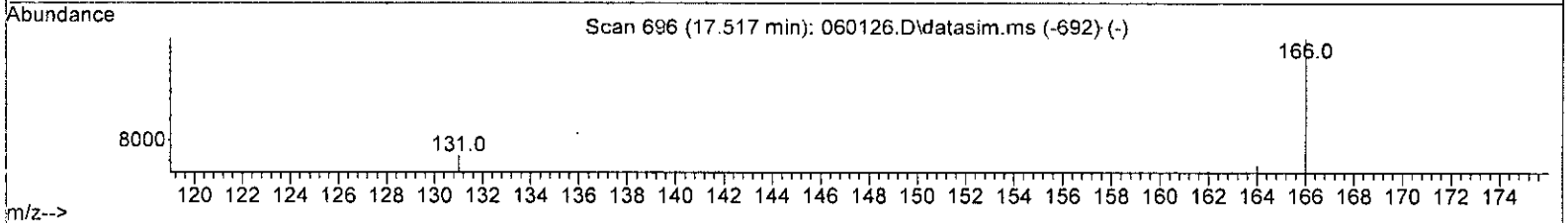
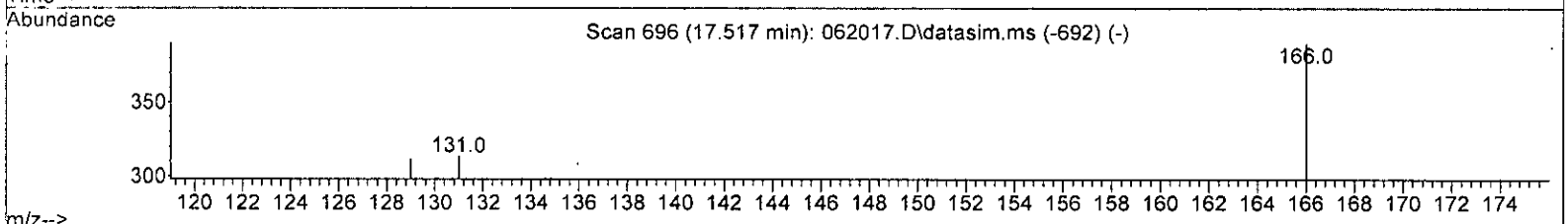
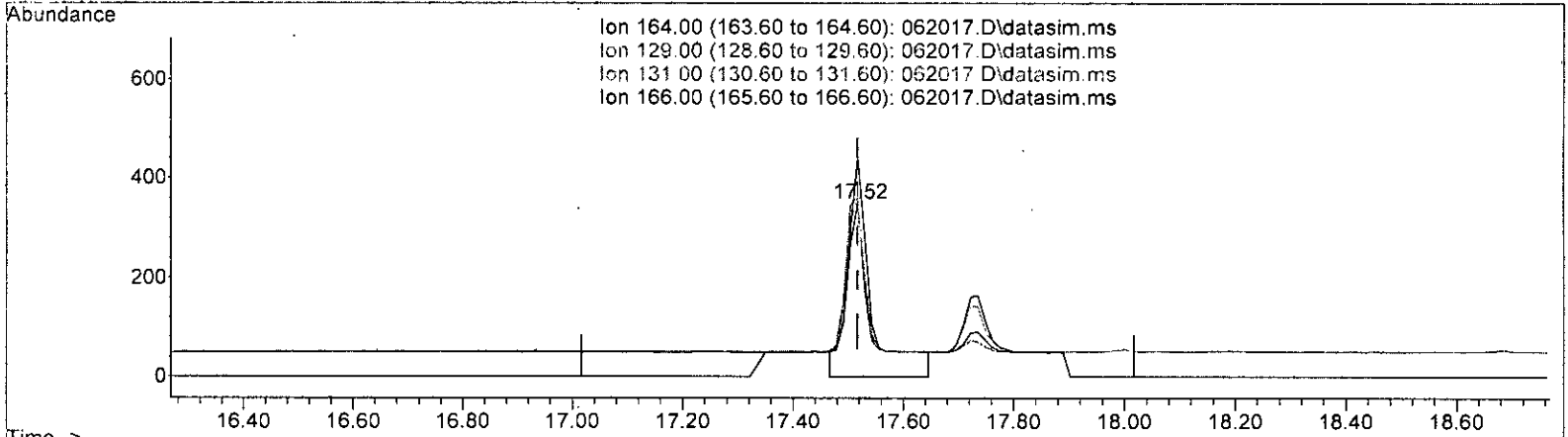
| (37) Benzene (TMP) | | | |
|----------------------------------|--------|--------|--|
| 12.576min (+ 0.000) 0.079 ppbv m | | | |
| response | 835 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 34.81 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

*MD
6/21/23*

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 S5 method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062017.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.342 ppbv

response 1138

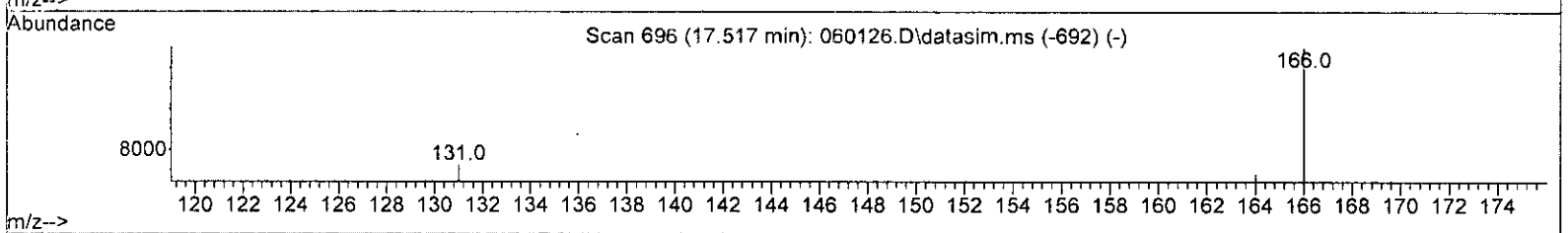
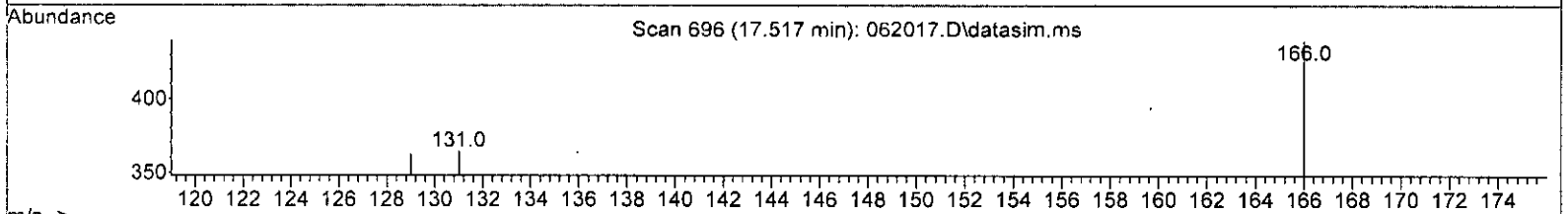
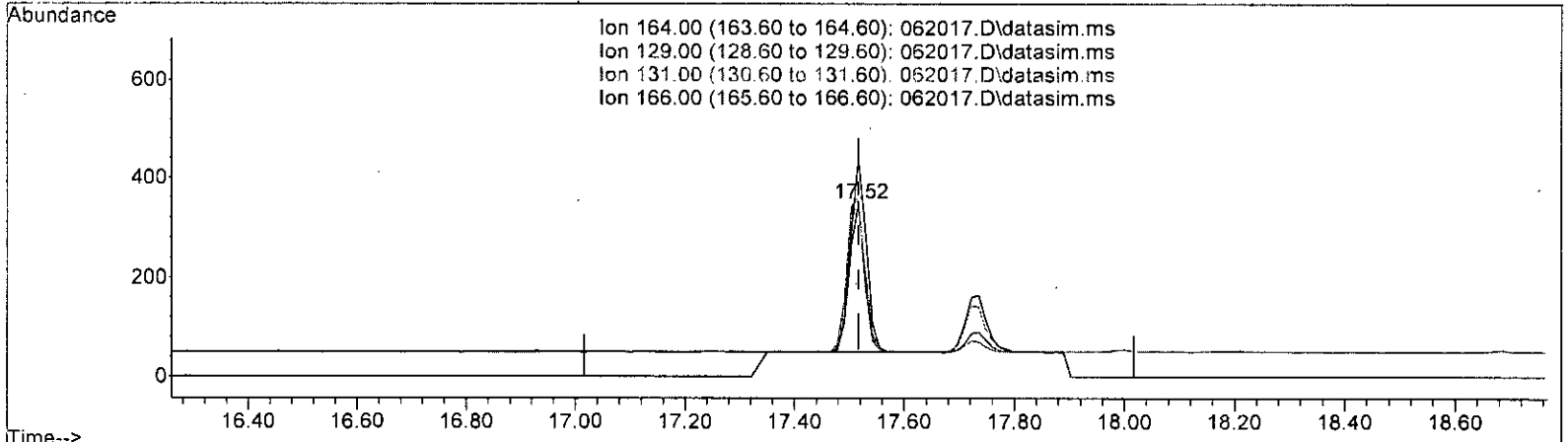
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.36 |
| 131.00 | 100.70 | 105.03 |
| 166.00 | 137.50 | 130.87 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 AL5 Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062017.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 0.180 ppbv m

response 599

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.02 |
| 131.00 | 100.70 | 104.60 |
| 166.00 | 137.50 | 126.44 |

*MJ
6/21/23*

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

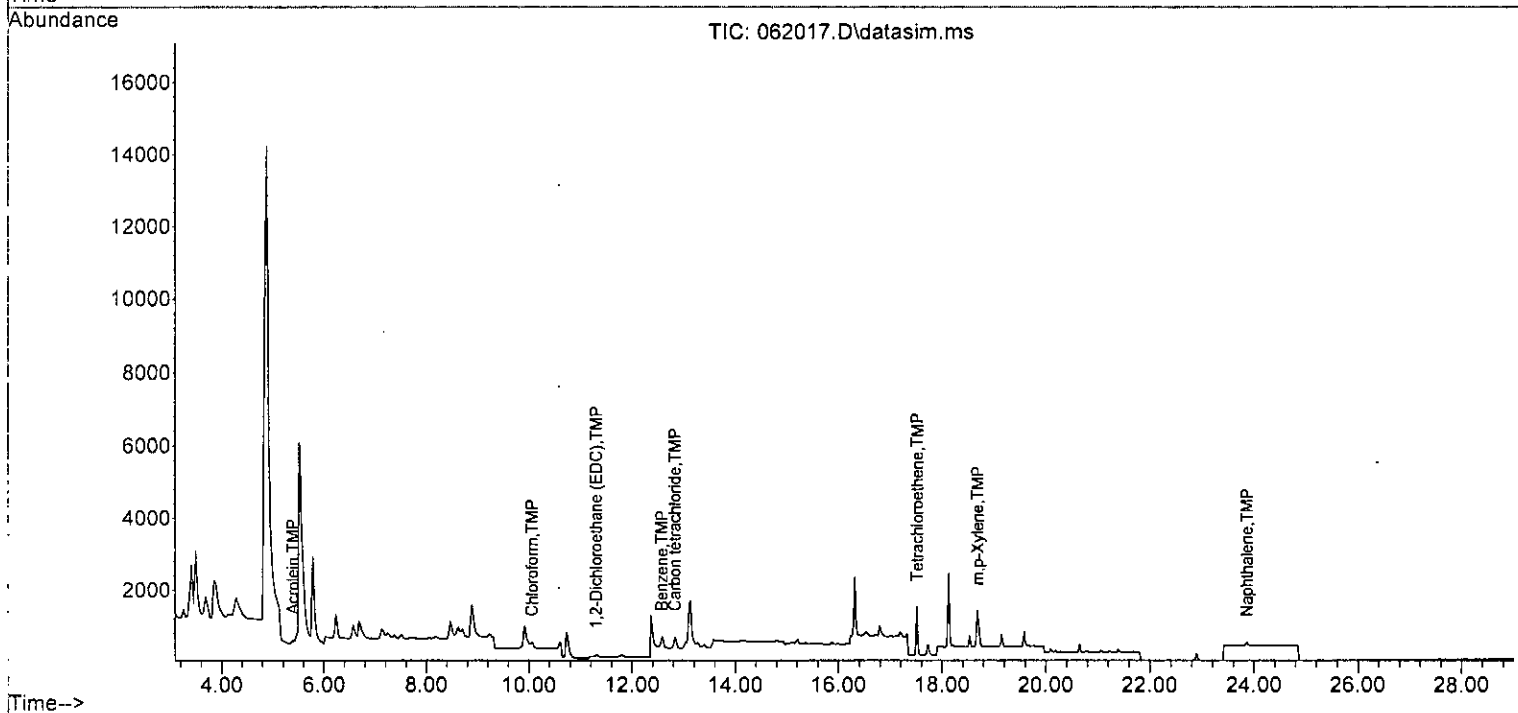
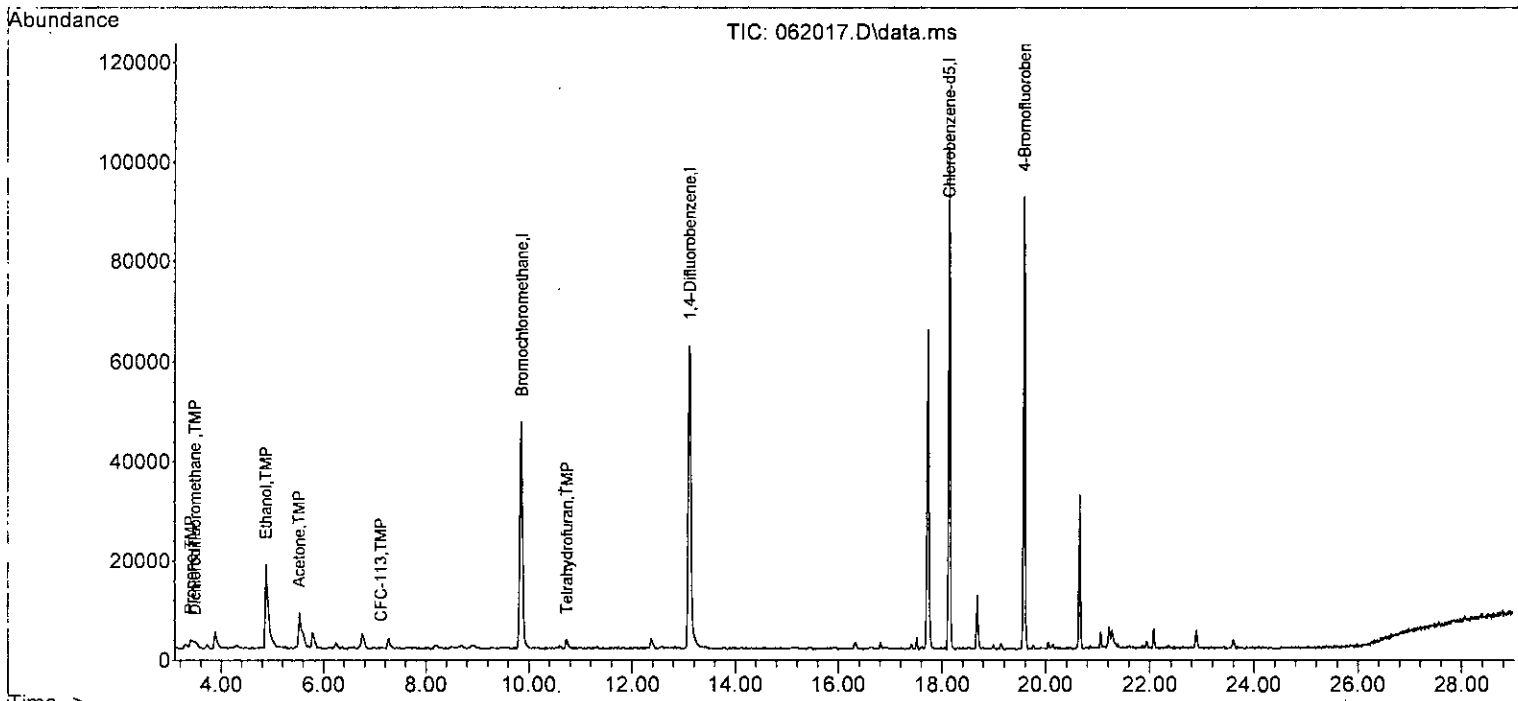
Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

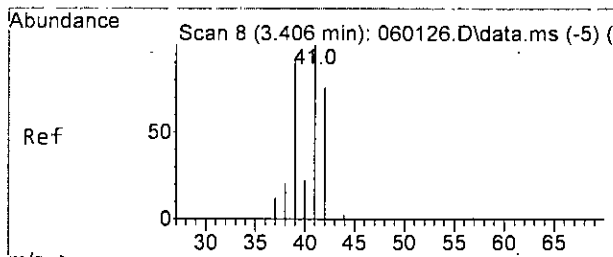
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19393 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 68466 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 63992 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40645 | 8.961 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.60% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 1242 | 0.495 | ppbv | 72 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3965 | 0.475 | ppbv | 98 |
| 12) Ethanol | 4.88 | 45 | 39191 | 31.749 | ppbv | 84 |
| 13] Acrolein | 5.39 | 56 | 326m | 0.253 | ppbv | |
| 16) Acetone | 5.53 | 58 | 5717 | 4.276 | ppbv | 98 |
| 23) CFC-113 | 7.12 | 101 | 412 | 0.063 | ppbv # | 16 |
| 30] Chloroform | 10.07 | 83 | 326 | 0.042 | ppbv | 99 |
| 32) Tetrahydrofuran | 10.74 | 42 | 2109 | 0.589 | ppbv | 64 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 108m | 0.022 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 504 | 0.073 | ppbv | 98 |
| 37] Benzene | 12.58 | 78 | 835m | 0.079 | ppbv | |
| 53] Tetrachloroethene | 17.52 | 164 | 599m | 0.180 | ppbv | |
| 65] m,p-Xylene | 18.68 | 106 | 580 | 0.146 | ppbv | 98 |
| 77] Naphthalene | 23.86 | 128 | 154 | 0.020 | ppbv | 98 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

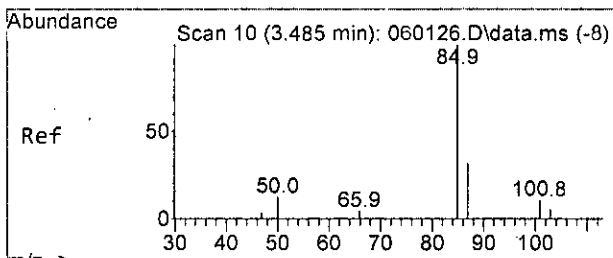
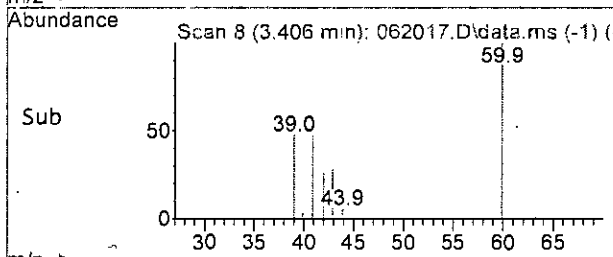
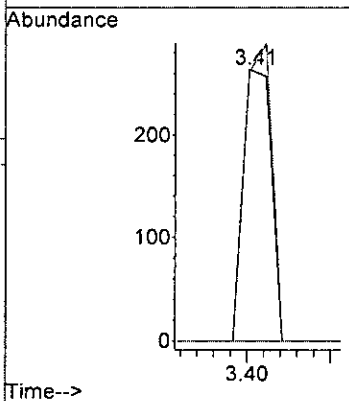
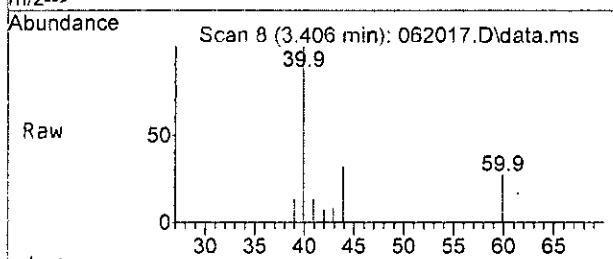
Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M





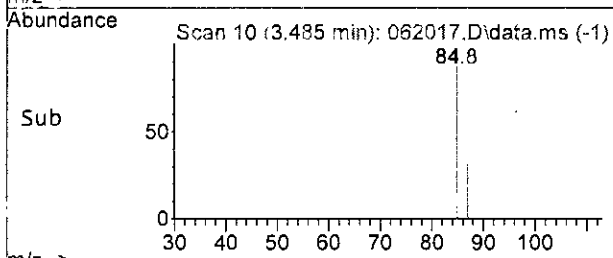
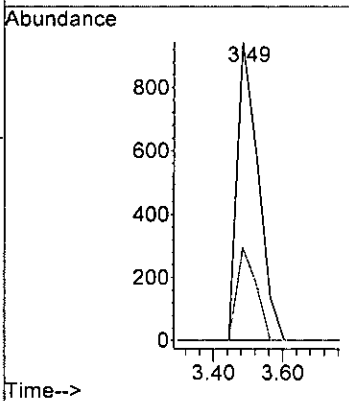
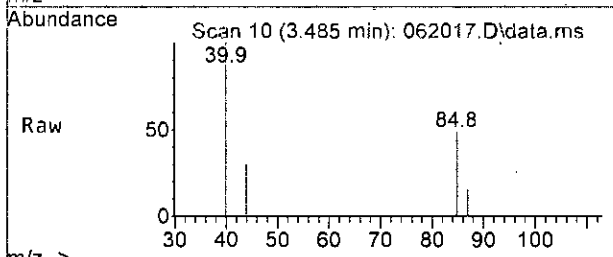
#2
 Propene
 Concen: 0.495 ppbv
 RT: 3.41 min Scan# 8
 Delta R.T. -0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

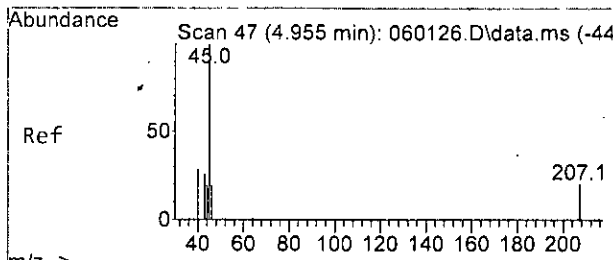
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 41 | 100 | | |
| 39 | 99.2 | 45.6 | 105.6 |
| 27 | 0.0 | 0.0 | 30.0 |



#3
 Dichlorodifluoromethane
 Concen: 0.475 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

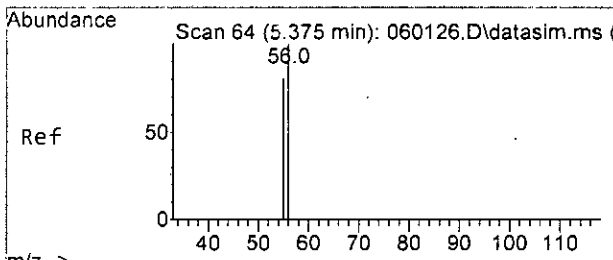
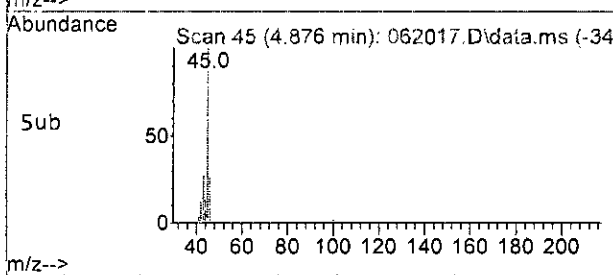
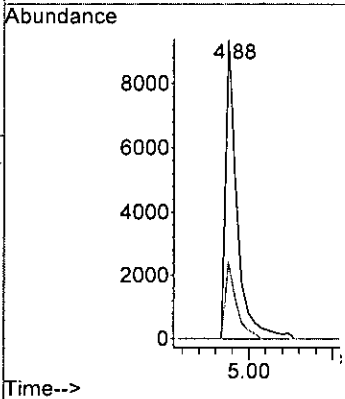
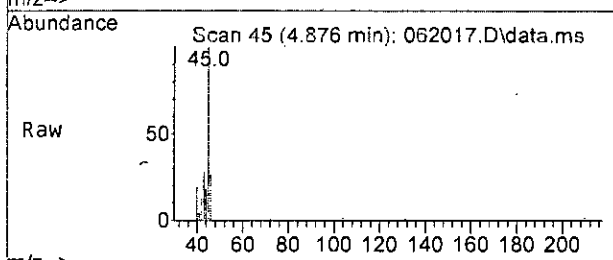
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 85 | 100 | | |
| 87 | 31.2 | 2.2 | 62.2 |





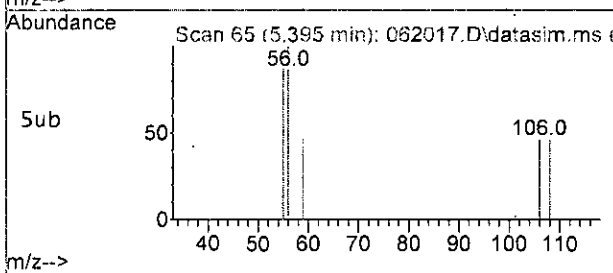
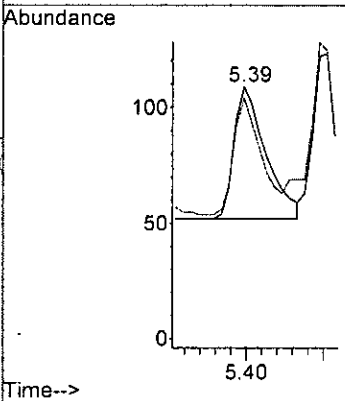
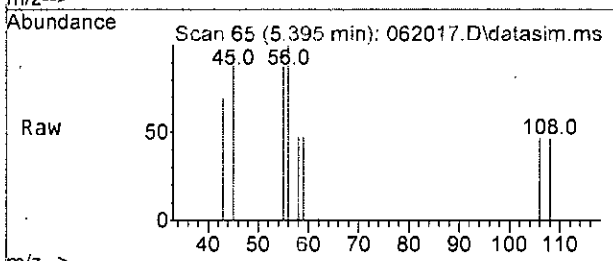
#12
 Ethanol
 Concen: 31.749 ppbv
 RT: 4.88 min Scan# 45
 Delta R.T. -0.079 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

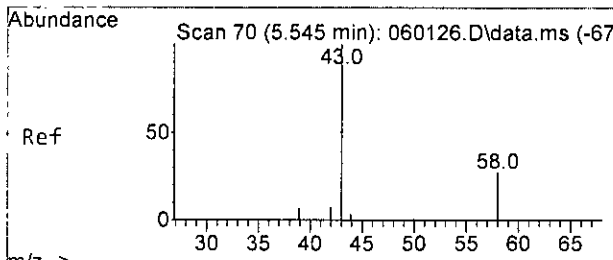
Tgt Ion: 45 Resp: 39191
 Ion Ratio Lower Upper
 45 100
 46 33.6 0.0 55.5



#13
 Acrolein
 Concen: 0.253 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

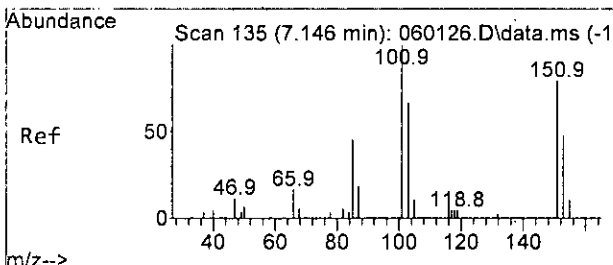
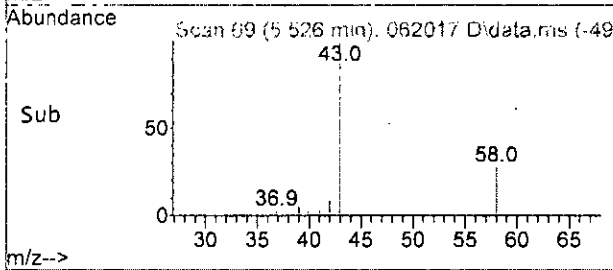
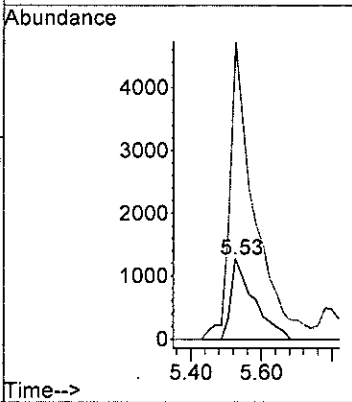
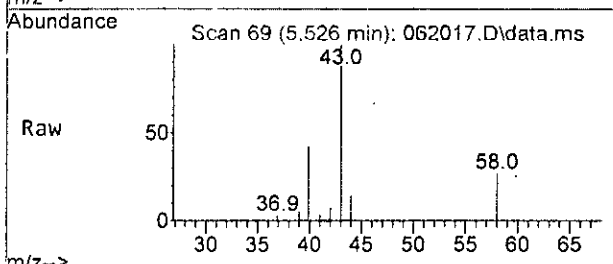
Tgt Ion: 56 Resp: 326
 Ion Ratio Lower Upper
 56 100
 55 168.4 51.0 111.0#





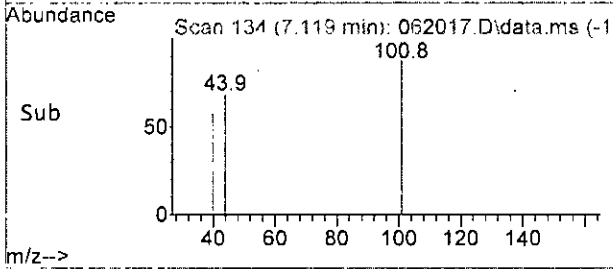
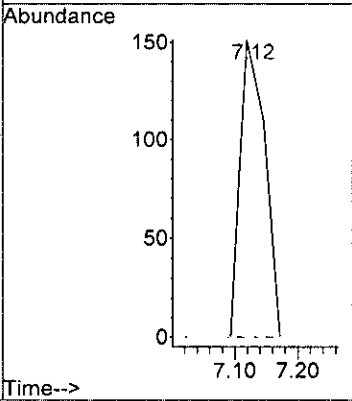
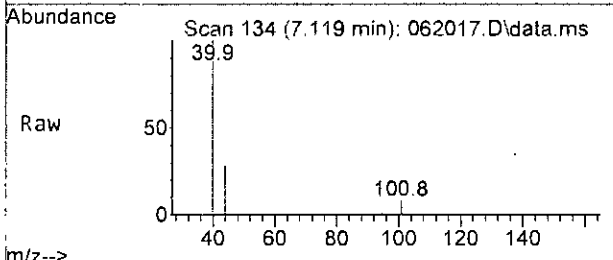
#16
 Acetone
 Concen: 4.276 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

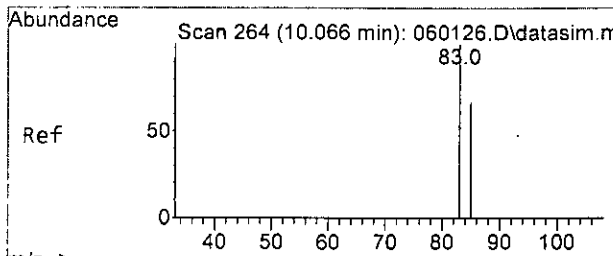
Tgt Ion: 58 Resp: 5717
 Ion Ratio Lower Upper
 58 100
 43 355.7 329.3 389.3



#23
 CFC-113
 Concen: 0.063 ppbv
 RT: 7.12 min Scan# 134
 Delta R.T. -0.027 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

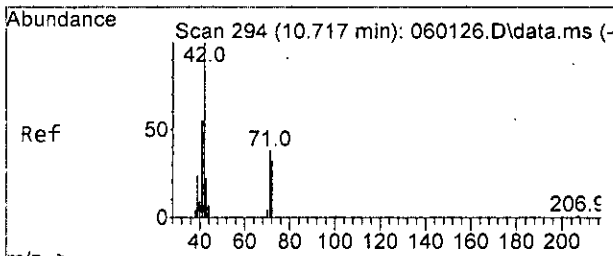
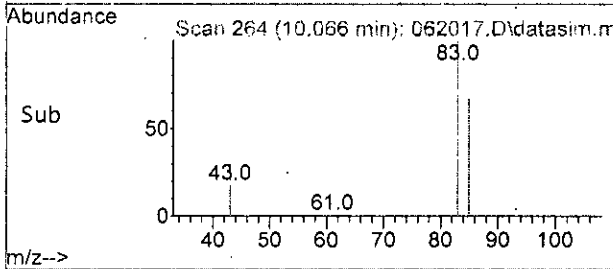
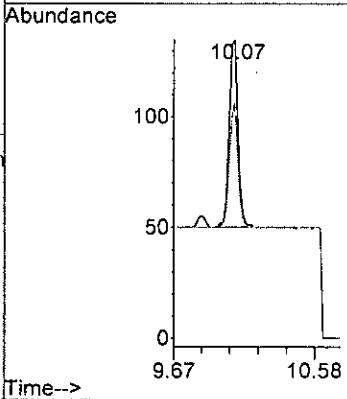
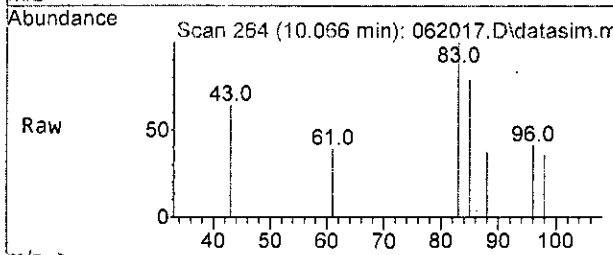
Tgt Ion: 101 Resp: 412
 Ion Ratio Lower Upper
 101 100
 151 0.0 50.7 110.7#
 85 0.0 18.2 78.2#





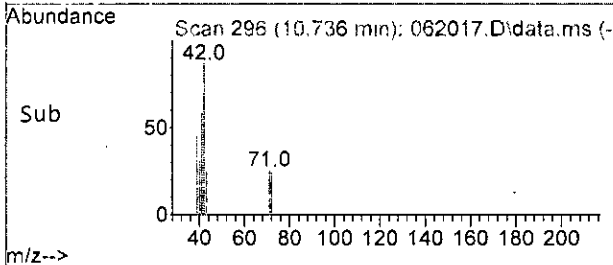
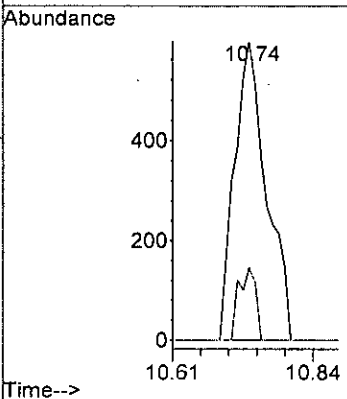
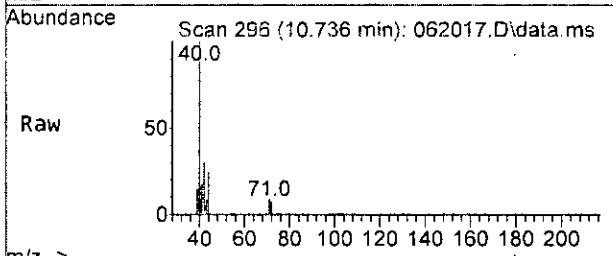
#30
 Chloroform
 Concen: 0.042 ppbv
 RT: 10.07 min Scan#: 264
 Delta R.T. -0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

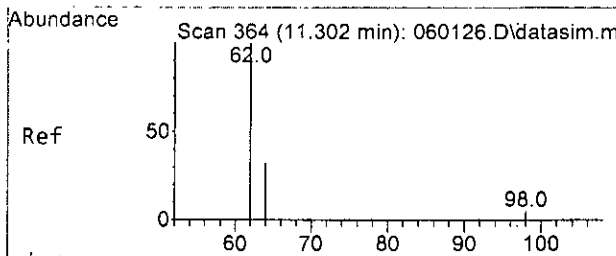
Tgt Ion: 83 Resp: 326
 Ion Ratio Lower Upper
 83 100
 85 65.9 36.3 96.3



#32
 Tetrahydrofuran
 Concen: 0.589 ppbv
 RT: 10.74 min Scan# 296
 Delta R.T. 0.019 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

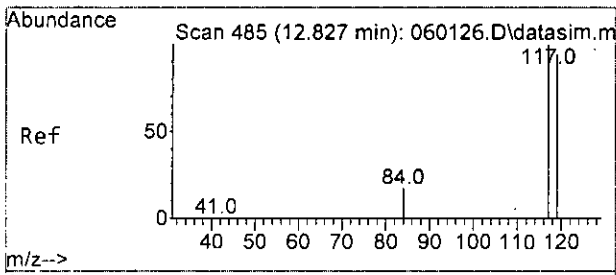
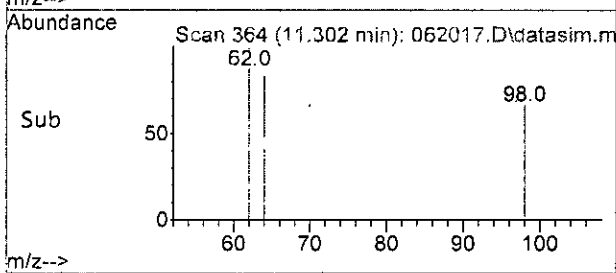
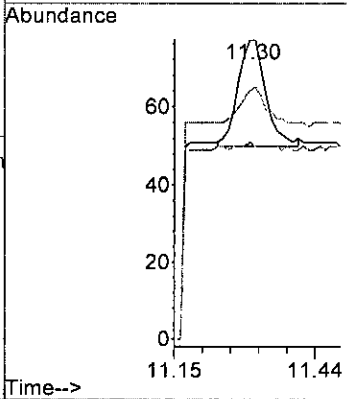
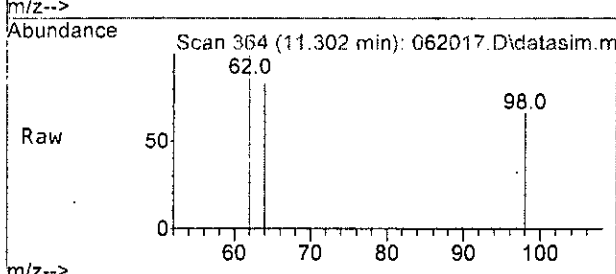
Tgt Ion: 42 Resp: 2109
 Ion Ratio Lower Upper
 42 100
 72 13.0 3.7 63.7





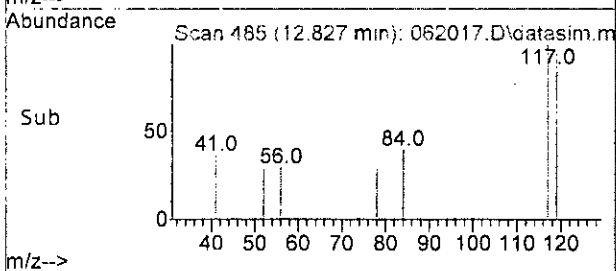
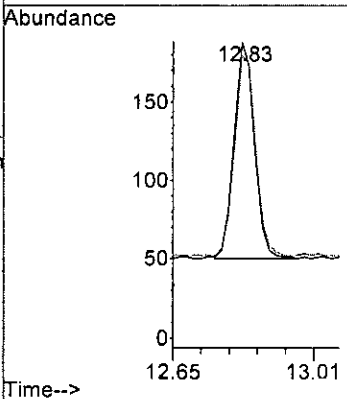
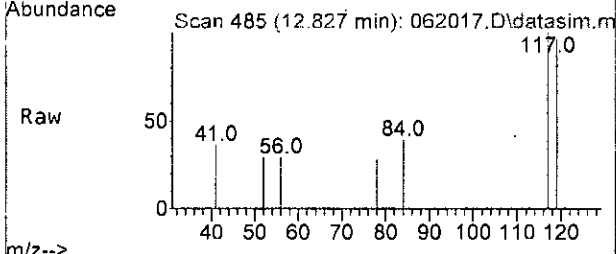
#34
 1,2-Dichloroethane (EDC)
 Concen: 0.022 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. 0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

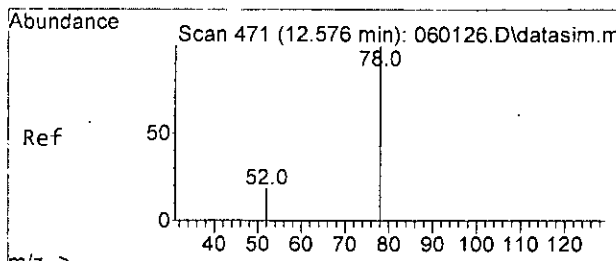
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 66.2 | 0.0 | 35.3# |
| 64 | 83.1 | 3.0 | 63.0# |



#36
 Carbon tetrachloride
 Concen: 0.073 ppbv
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

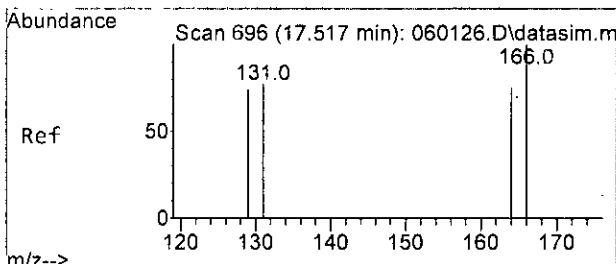
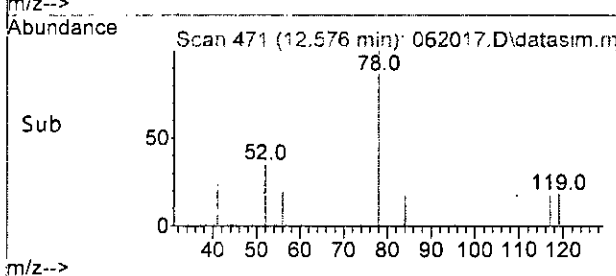
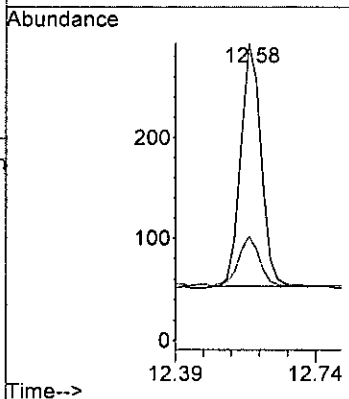
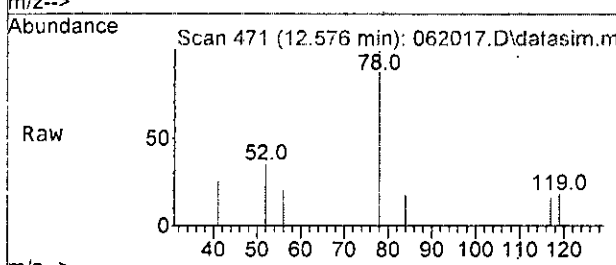
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 92.8 | 64.6 | 124.6 |





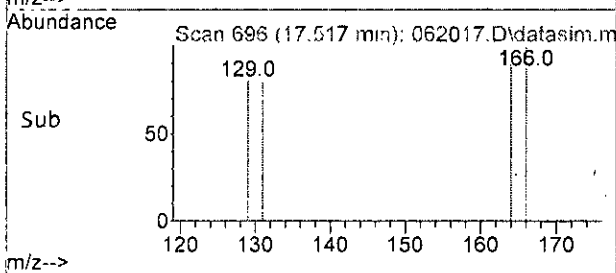
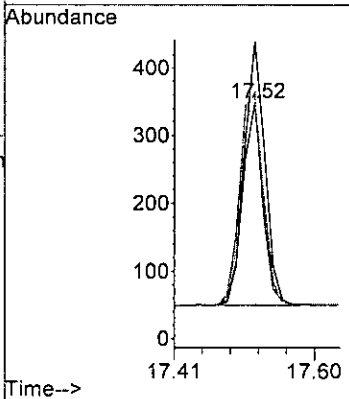
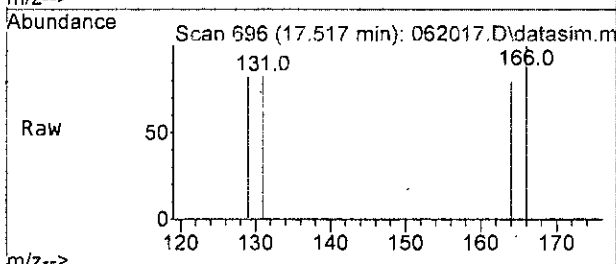
#37
Benzene
Concen: 0.079 ppbv m
RT: 12.58 min Scan# 471
Delta R.T. 0.000 min
Lab File: 062017.D
Acq: 20 Jun 2023 11:53 pm

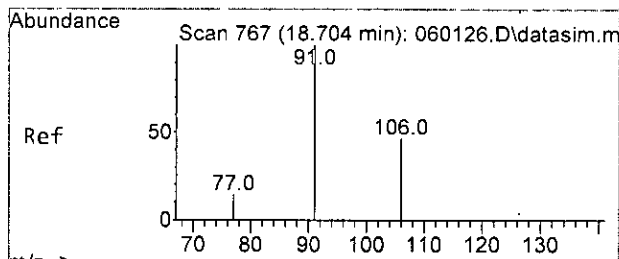
Tgt Ion: 78 Resp: 835
Ion Ratio Lower Upper
78 100
52 34.8 0.0 49.7



#53
Tetrachloroethene
Concen: 0.180 ppbv m
RT: 17.52 min Scan# 696
Delta R.T. -0.000 min
Lab File: 062017.D
Acq: 20 Jun 2023 11:53 pm

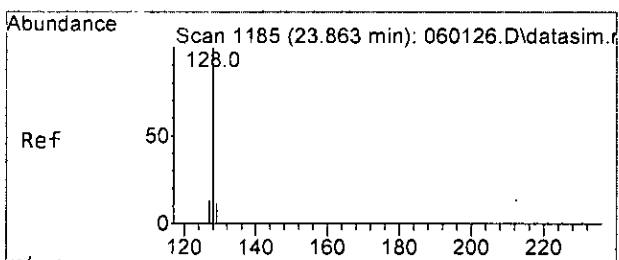
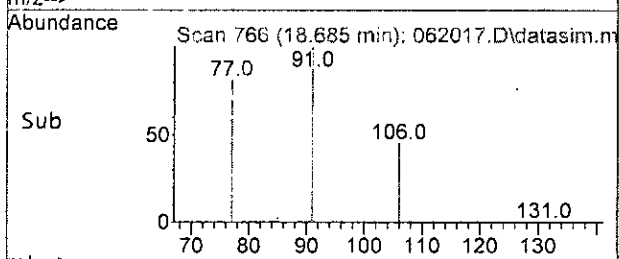
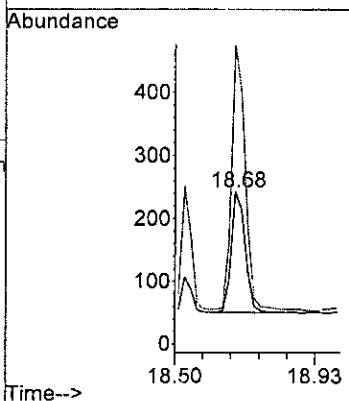
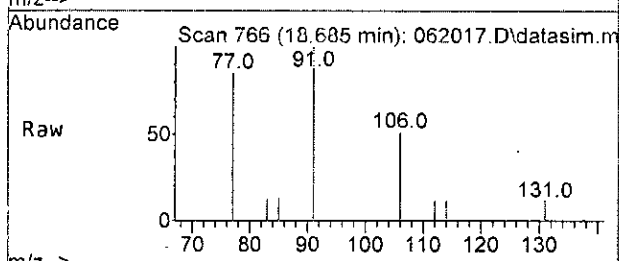
Tgt Ion: 164 Resp: 599
Ion Ratio Lower Upper
164 100
129 104.0 63.2 123.2
131 104.6 70.7 130.7
166 126.4 107.5 167.5





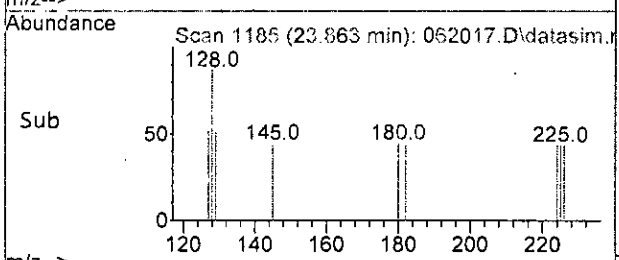
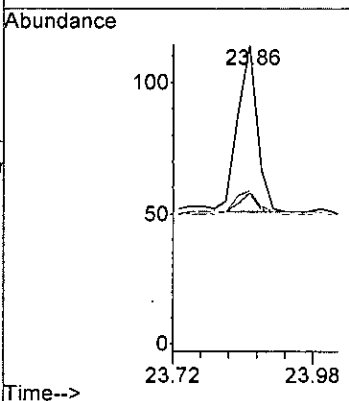
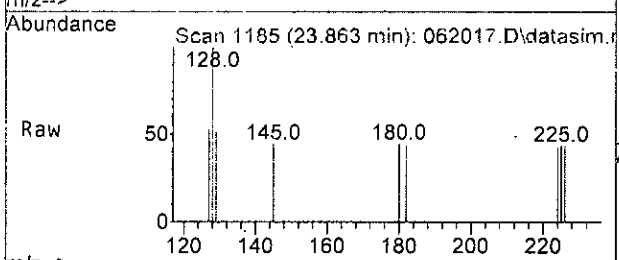
#65
 m,p-Xylene
 Concen: 0.146 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

Tgt Ion: 106 Resp: 580
 Ion Ratio Lower Upper
 106 100
 91 219.3 193.0 253.0



#77
 Naphthalene
 Concen: 0.020 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062017.D
 Acq: 20 Jun 2023 11:53 pm

Tgt Ion: 128 Resp: 154
 Ion Ratio Lower Upper
 128 100
 129 11.1 0.0 41.0
 127 14.3 0.0 43.2



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19393 | 10.000 | ppbv | 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 68466 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 63992 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40645 | 8.961 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.60% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.41 | 41 | 1242 | 0.495 | ppbv | 72 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3965 | 0.475 | ppbv | 98 |
| 4) Chloromethane | 3.69 | 50 | 1552 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 4.32 | 43 | 1772 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.88 | 45 | 39191 | 31.749 | ppbv | 84 |
| 13] Acrolein | 5.39 | 56 | 326m | 0.253 | ppbv | |
| 14) Pentane | 6.25 | 43 | 1087 | N.D. | | |
| 15) Trichlorofluoromethane | 5.80 | 101 | 1400 | N.D. | | |
| 16) Acetone | 5.53 | 58 | 5717 | 4.276 | ppbv | 98 |
| 17) 2-Propanol | 5.80 | 45 | 6259 | N.D. | | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 8.10 | 96 | 27 | N.D. | | |
| 20) Methylene chloride | 6.75 | 84 | 2613 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 7.12 | 101 | 412 | 0.063 | ppbv # | 16 |
| 24) Carbon disulfide | 0.00 | | 0 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 1268 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 9.97 | 57 | 107 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 326 | 0.042 | ppbv | 99 |
| 31) Ethyl acetate | 9.92 | 43 | 2452 | N.D. | | |
| 32) Tetrahydrofuran | 10.74 | 42 | 2109 | 0.589 | ppbv | 64 |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 108m | 0.022 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.78 | 97 | 88 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 504 | 0.073 | ppbv | 98 |
| 37] Benzene | 12.58 | 78 | 835m | 0.079 | ppbv | |
| 38) Cyclohexane | 13.12 | 84 | 368 | N.D. | | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

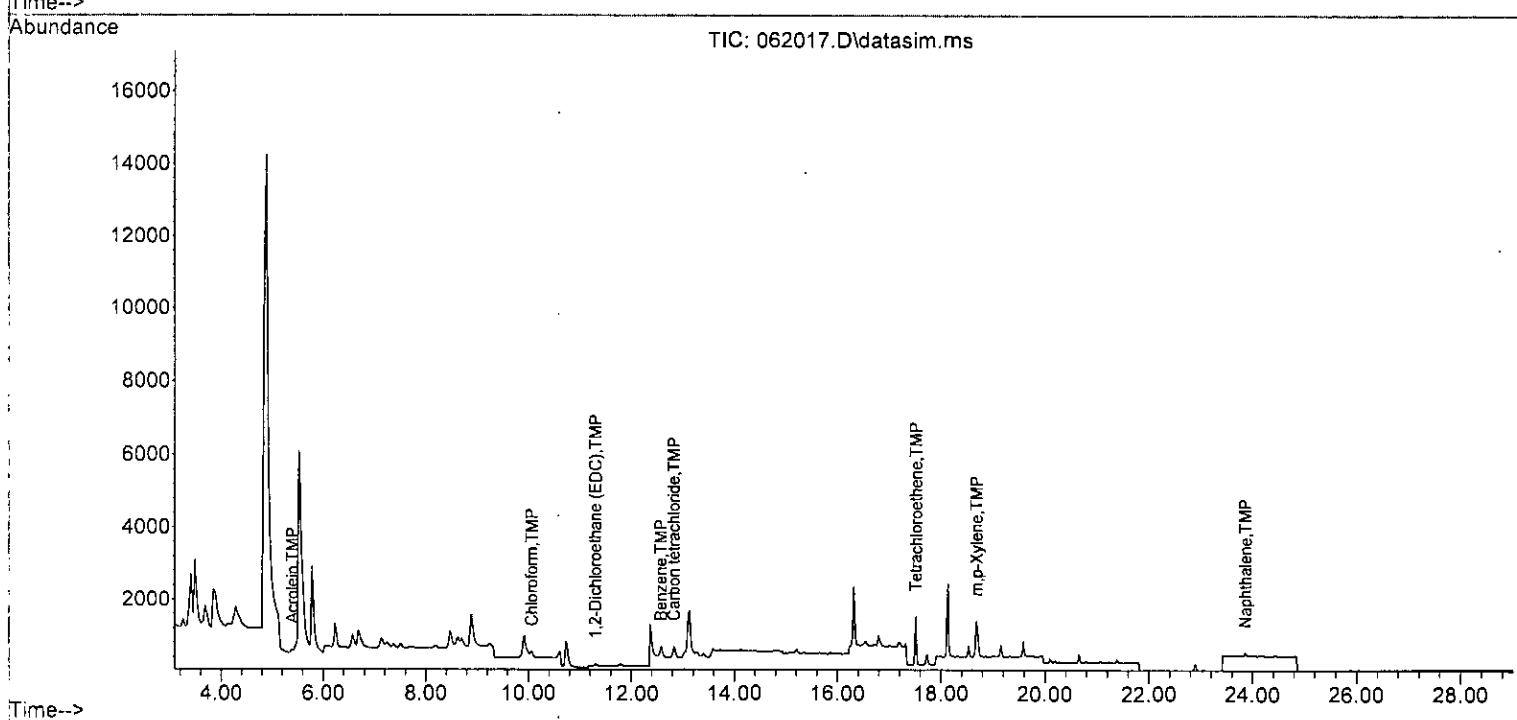
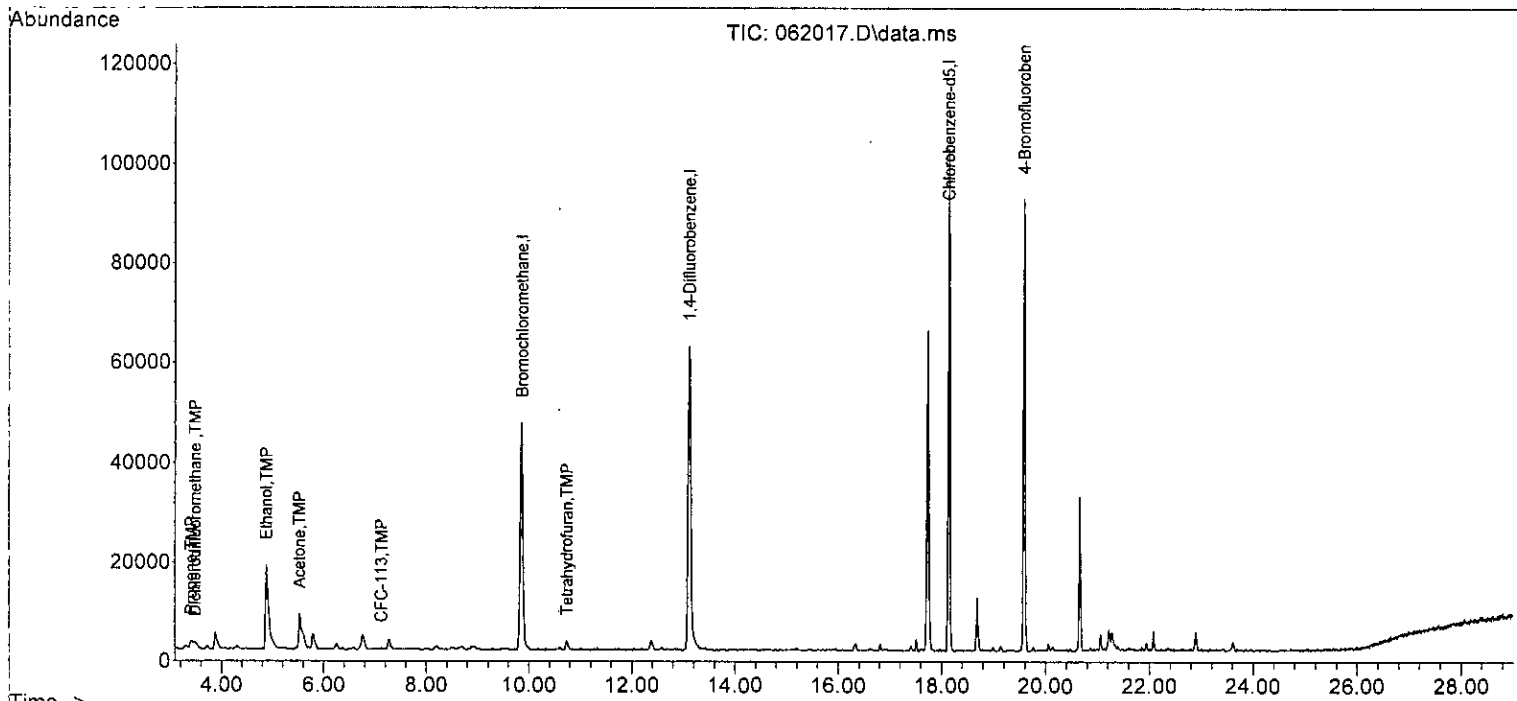
Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 0.00 | | 0 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46) Trichloroethene | 14.12 | 95 | 37 | | N.D. | |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 2288 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.56 | 43 | 220 | | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 599m | 0.180 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 419 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 34 | | N.D. | |
| 60) Nonane | 19.13 | 43 | 144 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 519 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 0.00 | | 0 | | N.D. | |
| 64) 4-Ethyltoluene | 20.04 | 105 | 519 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 580 | 0.146 | ppbv | 98 |
| 66) o-Xylene | 19.15 | 106 | 164 | | N.D. | |
| 67) Styrene | 0.00 | | 0 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. | d |
| 71) 1,3,5-Trimethylbenzene | 20.04 | 105 | 519 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 24 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 24 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 154 | 0.020 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062017.D
 Acq On : 20 Jun 2023 11:53 pm
 Operator : bat
 Sample : 306242-06
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

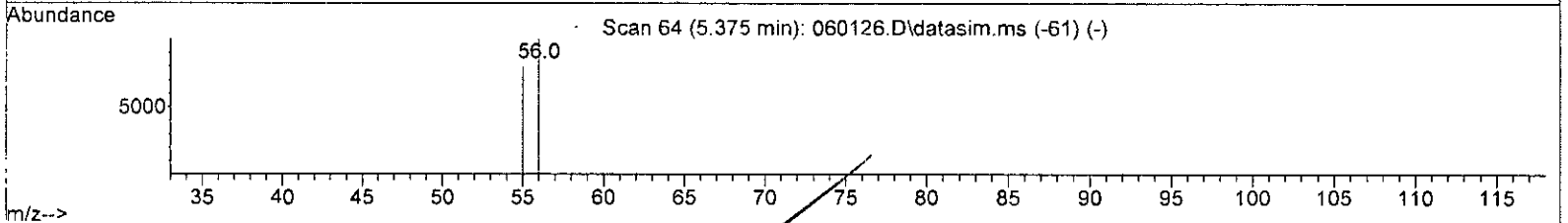
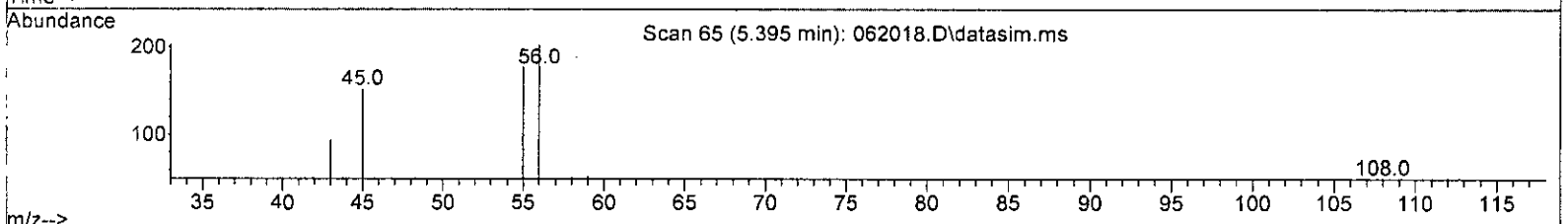
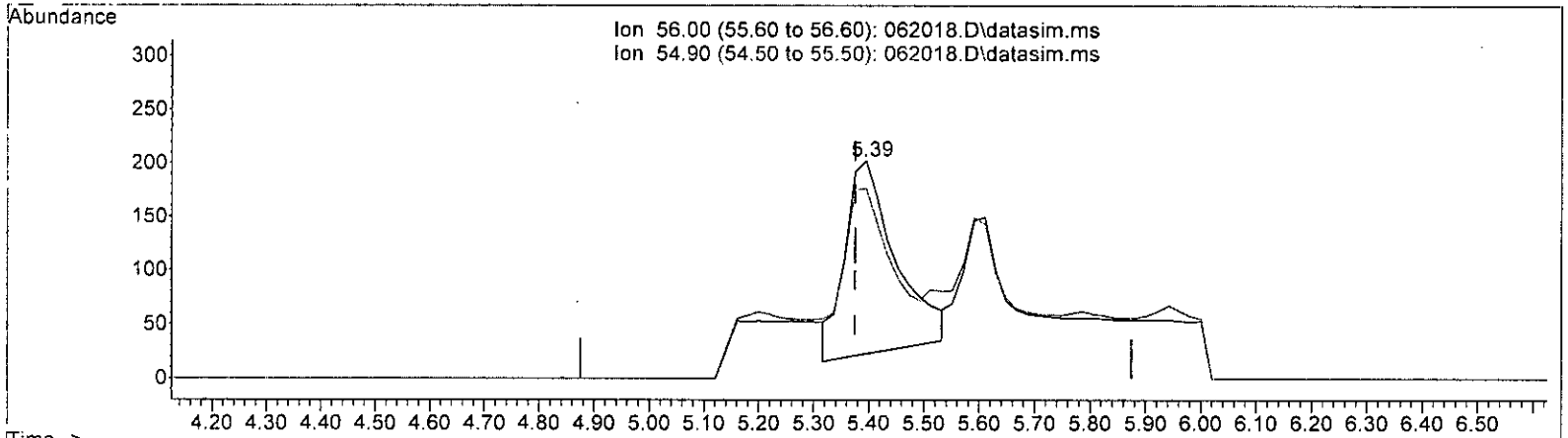
Quant Time: Jun 21 07:07:43 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

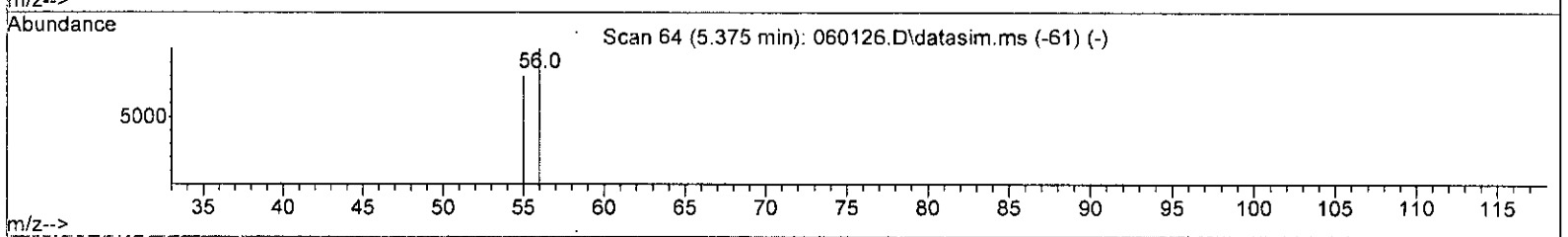
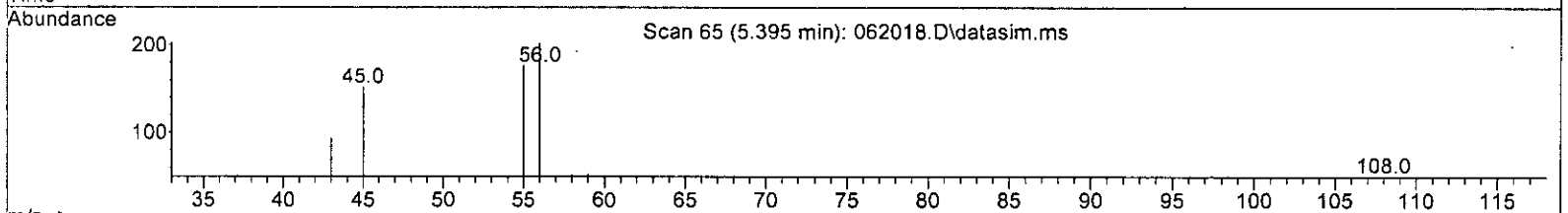
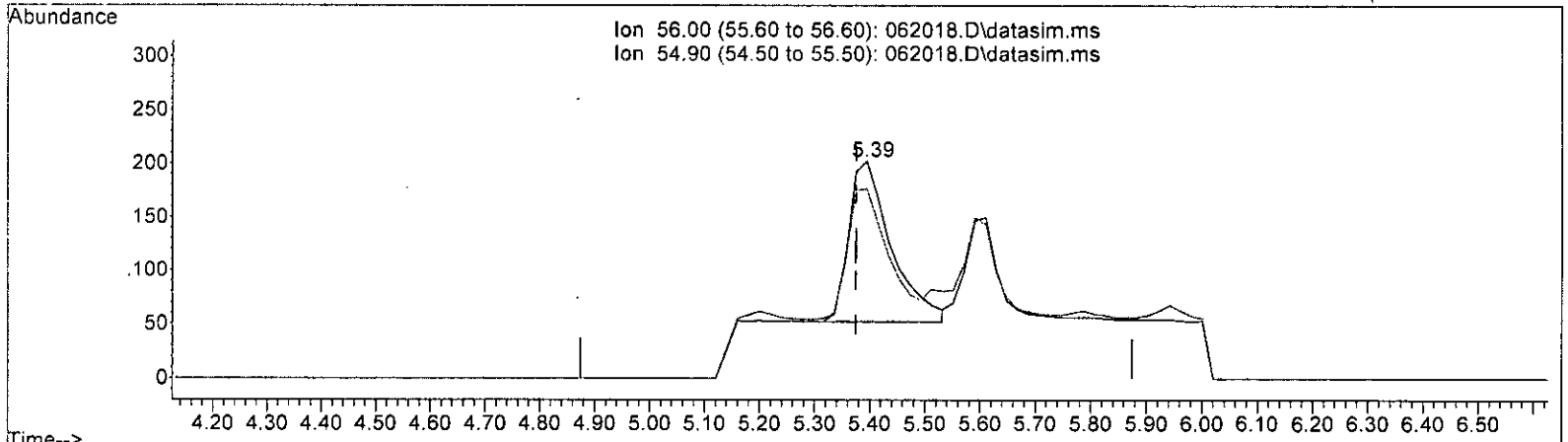
| (13) Acrolein (TMP) | | | |
|---------------------|--------|--------|--|
| 5.395min (+ 0.020) | 0.898 | ppbv | |
| response | 1136 | | |
| Ion | Exp% | Act% | |
| 56.00 | 100.00 | 100.00 | |
| 54.90 | 81.00 | 84.86 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062018.D\data.ms

(13) Acrolein (TMP)

5.395min (+ 0.020) 0.627 ppbv m

response 793

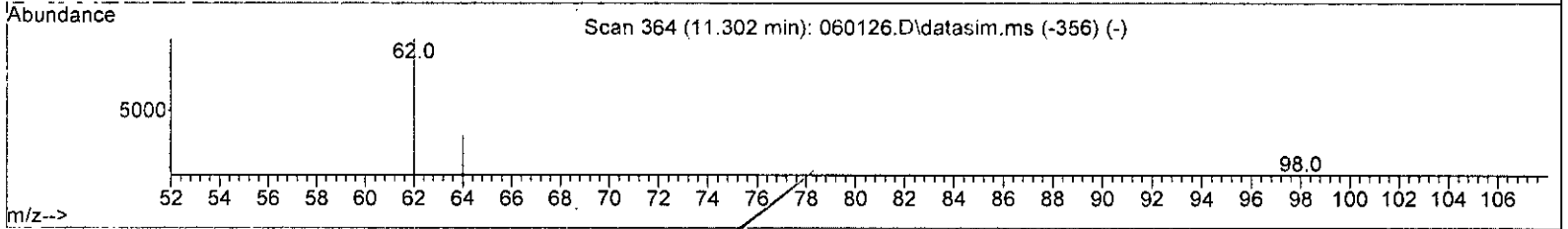
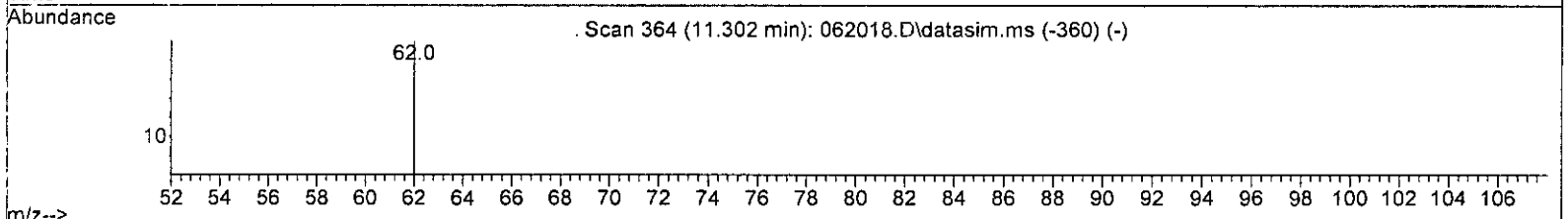
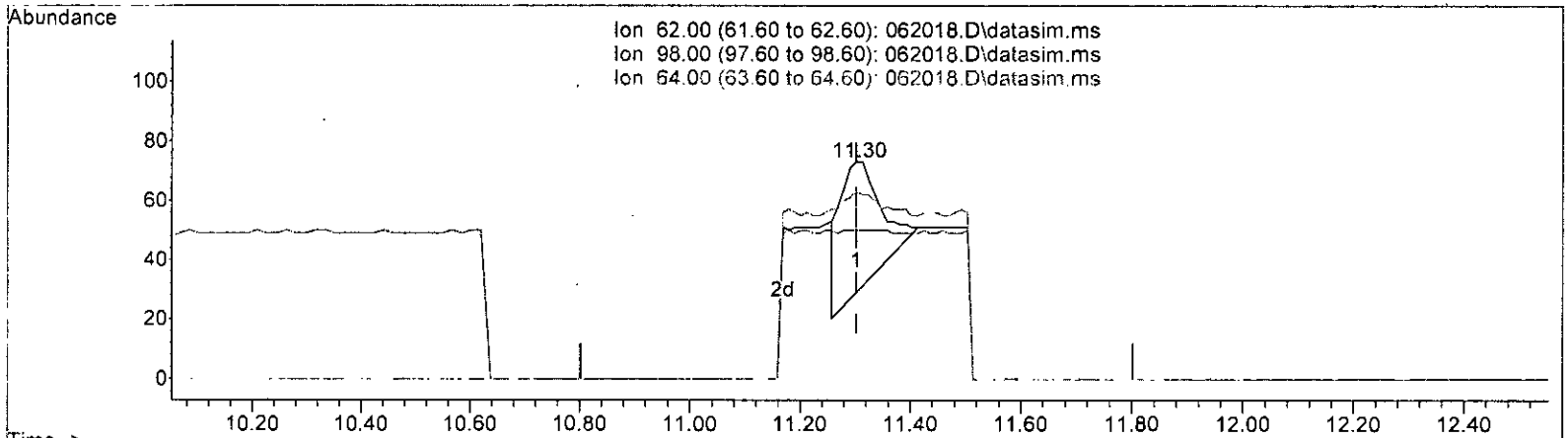
| Ion | Exp% | Act% |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00 |
| 54.90 | 81.00 | 121.56# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (-0.000) 0.047 ppbv

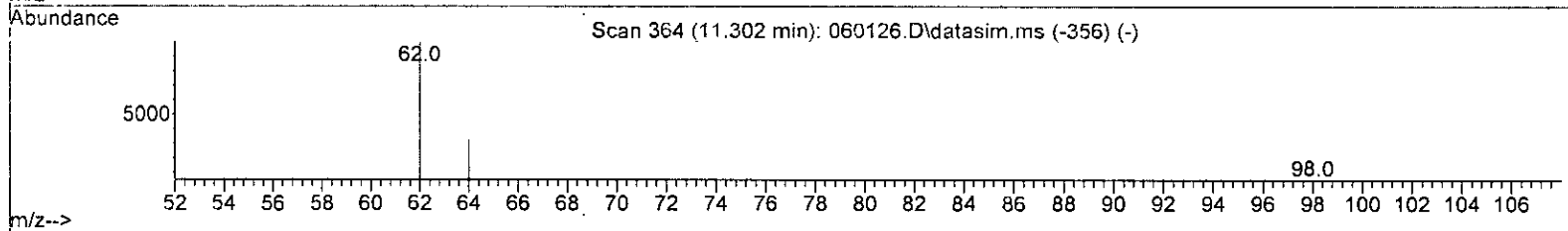
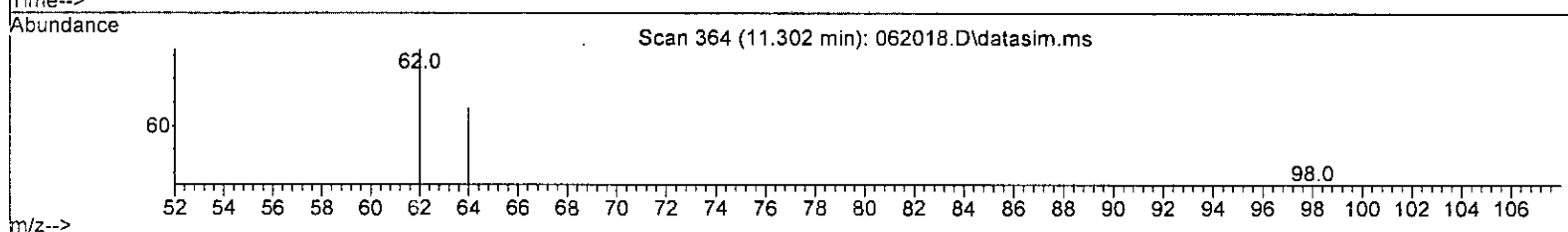
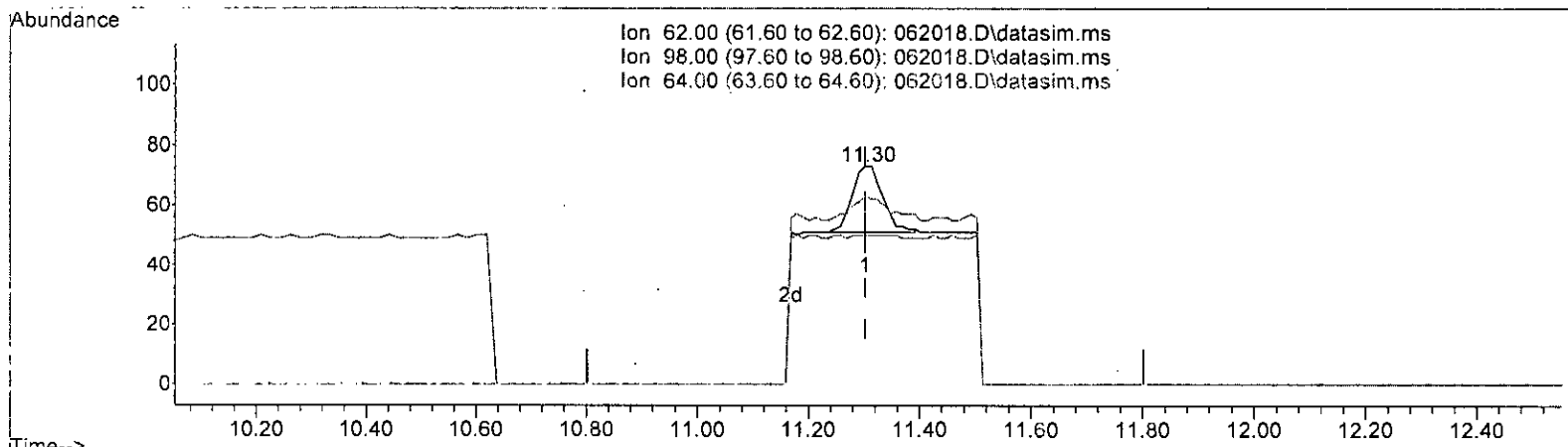
| response | 228 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 4.55 |
| 64.00 | 33.00 36.36 |
| 0.00 | 0.00 0.00 |

MD
0/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062018.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.302min (-0.000) 0.017 ppbv m

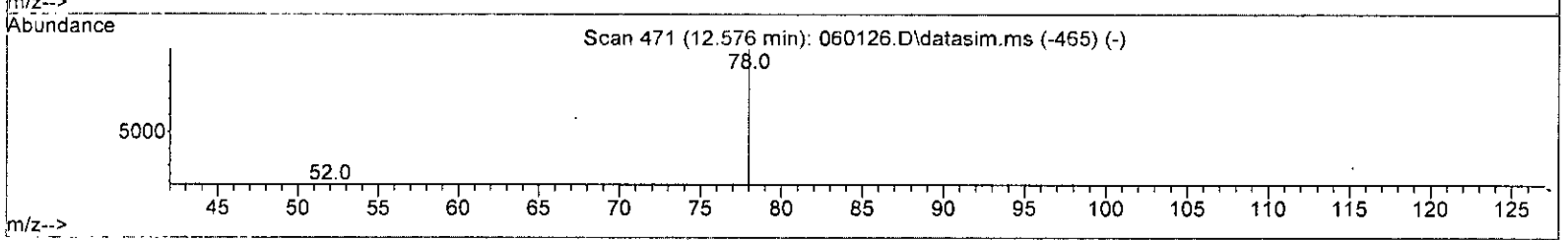
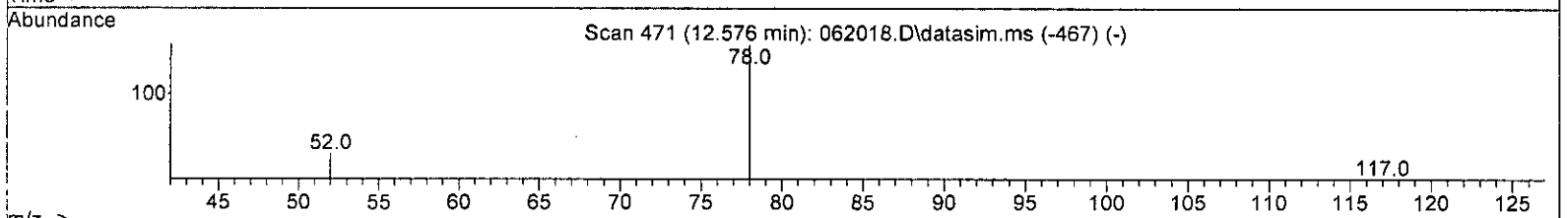
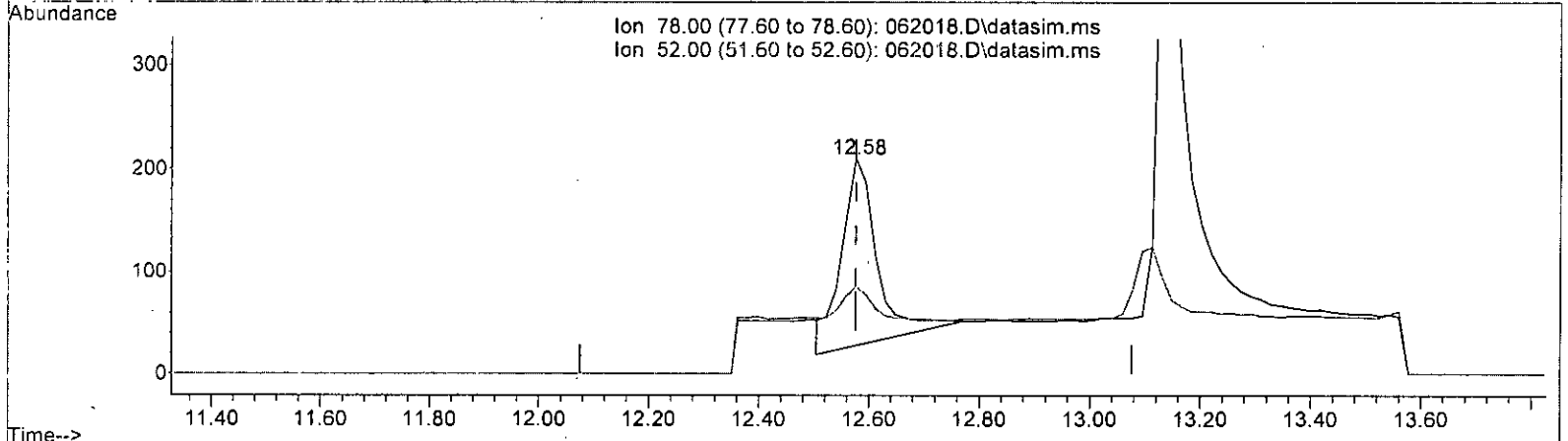
| response | 84 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 98.00 | 5.30 68.49# |
| 64.00 | 33.00 86.30# |
| 0.00 | 0.00 0.00 |

MD
07/2/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

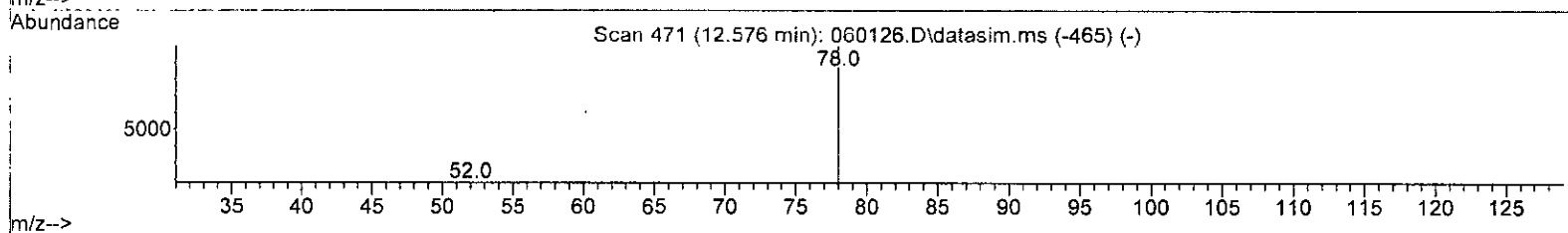
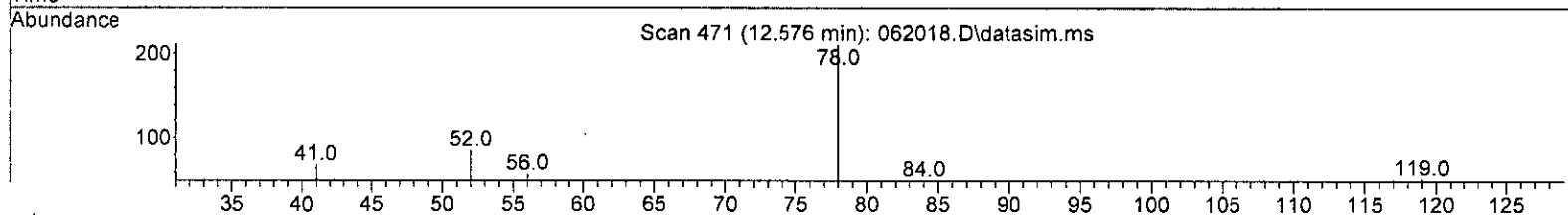
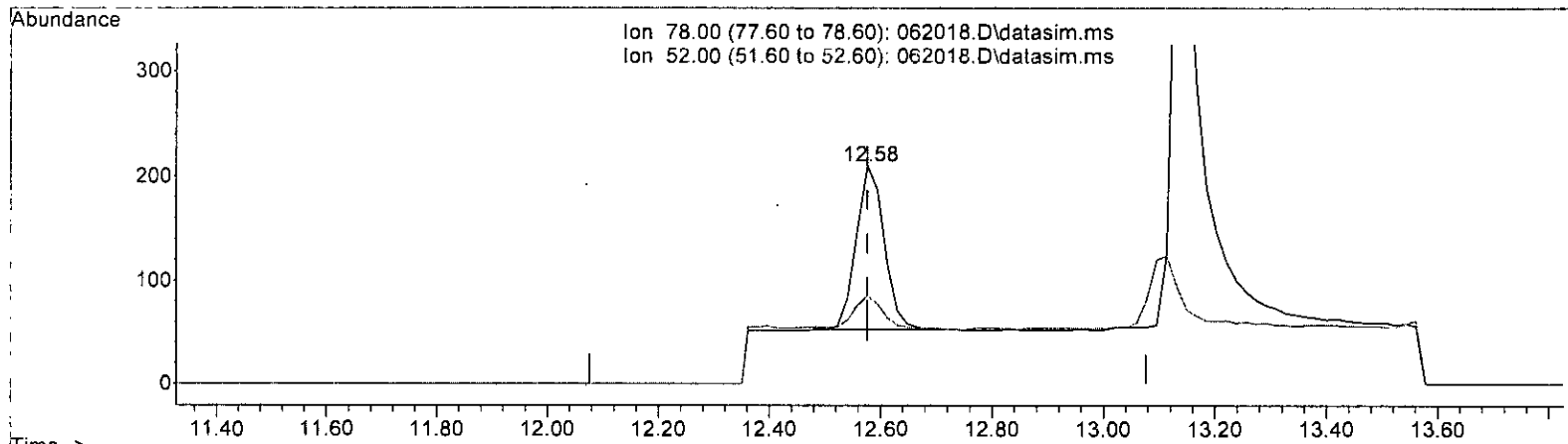
| (37) Benzene (TMP) | | |
|---------------------|--------|--------|
| 12.576min (+ 0.000) | 0.079 | ppbv |
| response | 824 | |
| Ion | Exp% | Act% |
| 78.00 | 100.00 | 100.00 |
| 52.00 | 19.70 | 19.62 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

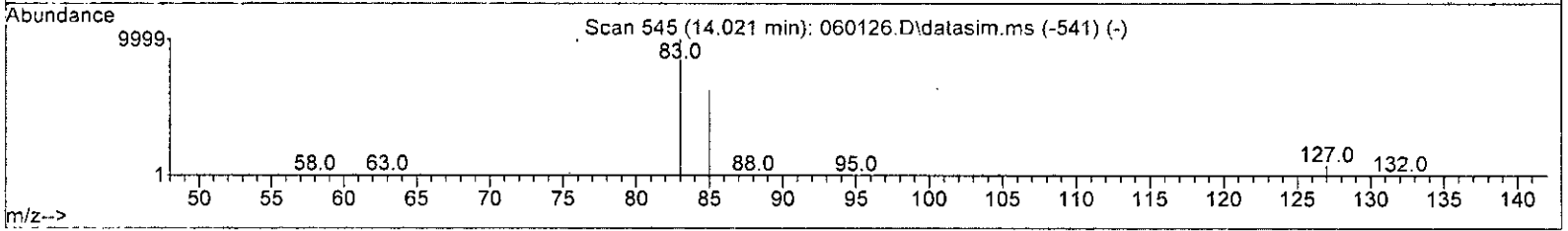
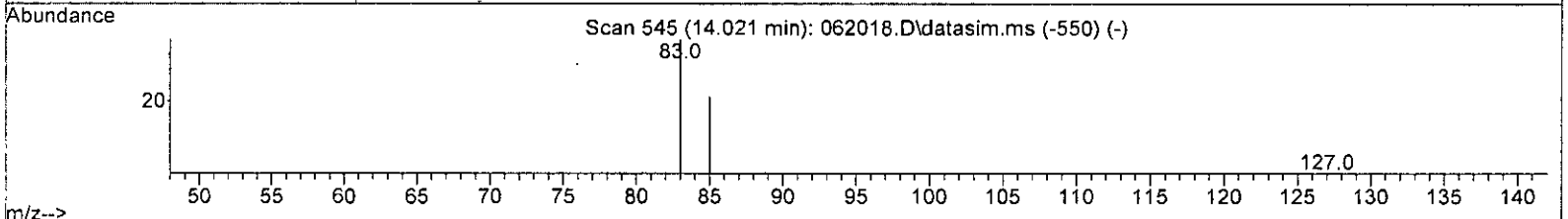
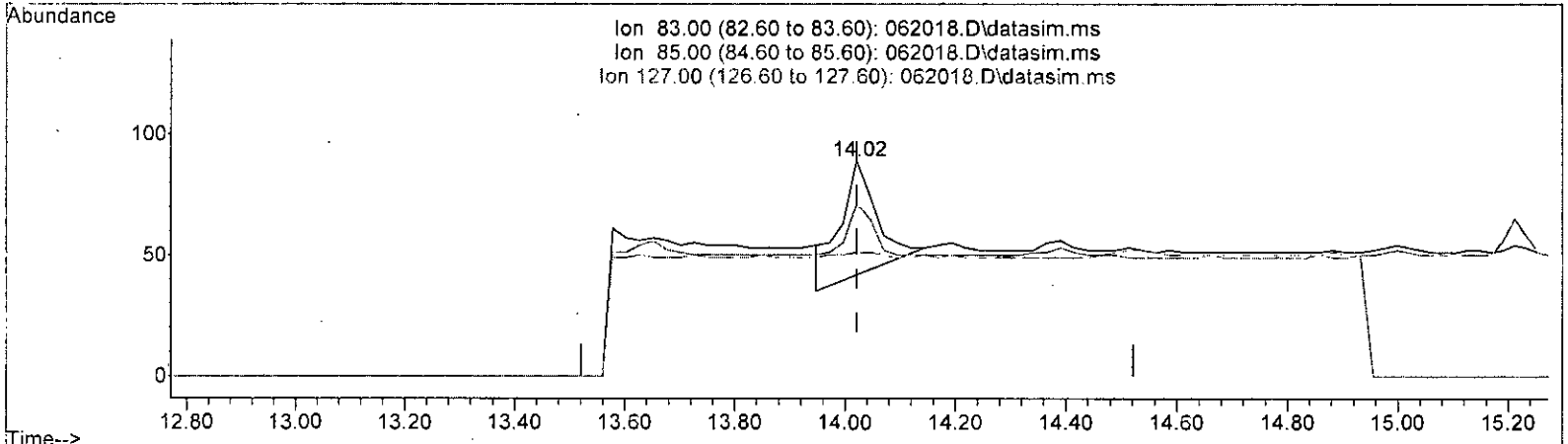
| (37) Benzene (TMP) | | | |
|----------------------------------|--------|--------|--|
| 12.576min (+ 0.000) 0.052 ppbv m | | | |
| response | 544 | | |
| Ion | Exp% | Act% | |
| 78.00 | 100.00 | 100.00 | |
| 52.00 | 19.70 | 40.48 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 062018.D\data.ms

(45) Bromodichloromethane (TMP)

14.021min (-0.000) 0.034 ppbv

response 219

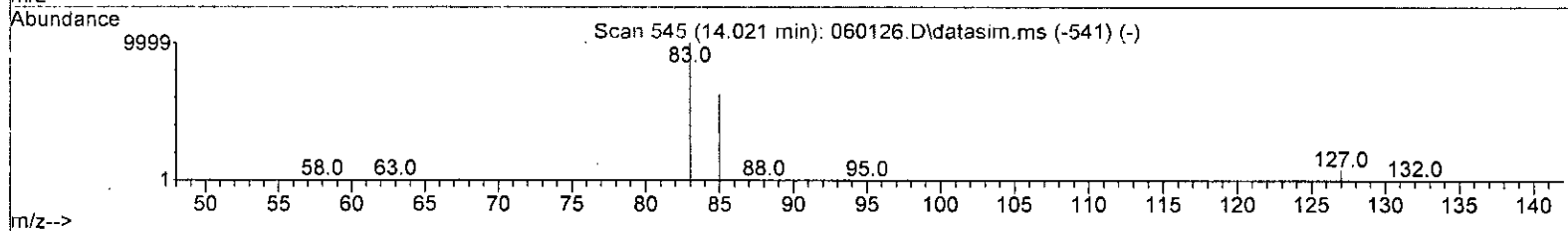
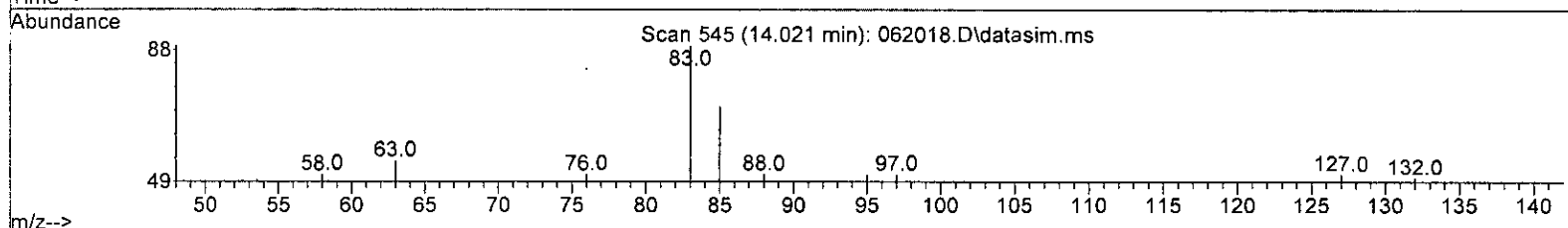
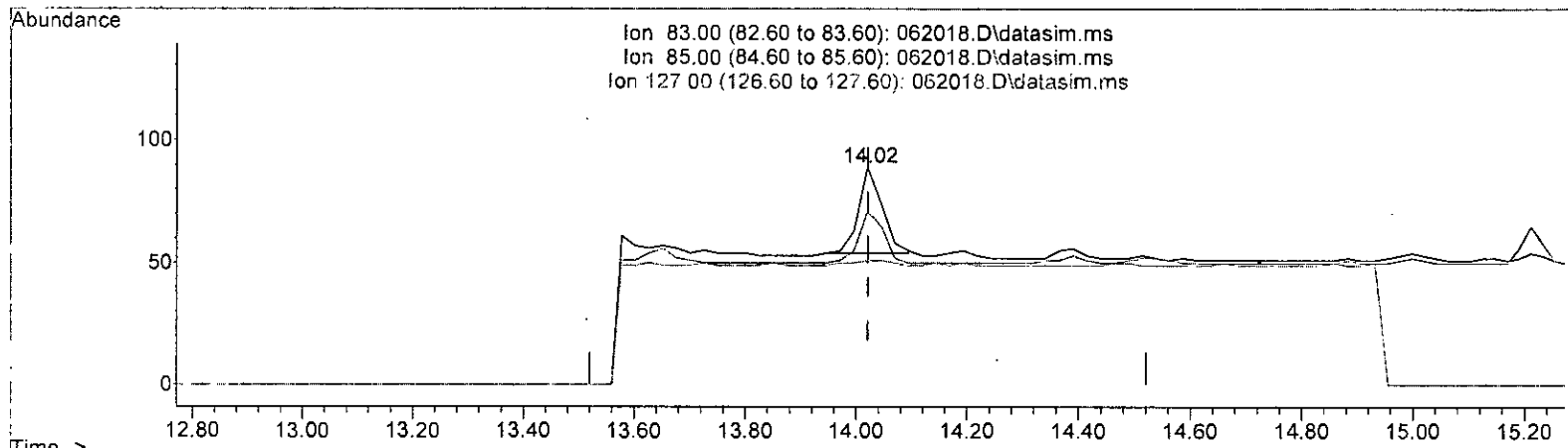
| Ion | Exp% | Act% |
|--------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 61.00 | 58.33 |
| 127.00 | 0.00 | 5.56 |
| 0.00 | 0.00 | 0.00 |

MAD 6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 S5 method
 QLast Update : Tue Jun 06 12:26:23 2023 .
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 062018.D\data.ms

(45) Bromodichloromethane (TMP)

14.021min (-0.000) 0.016 ppbv m

response 103

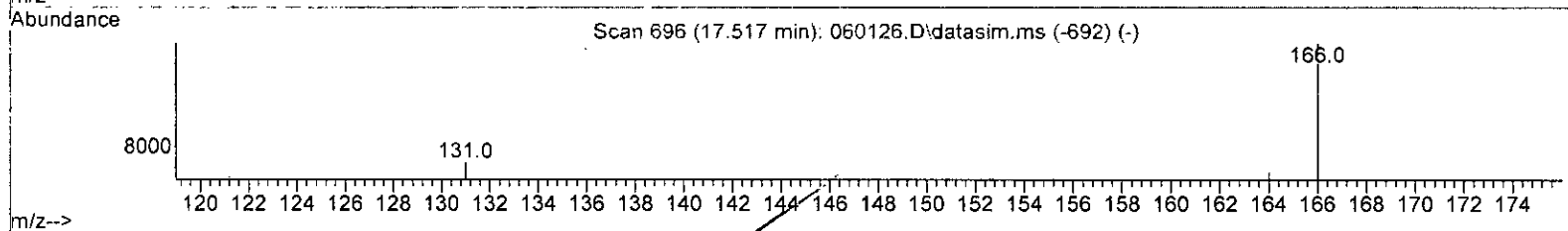
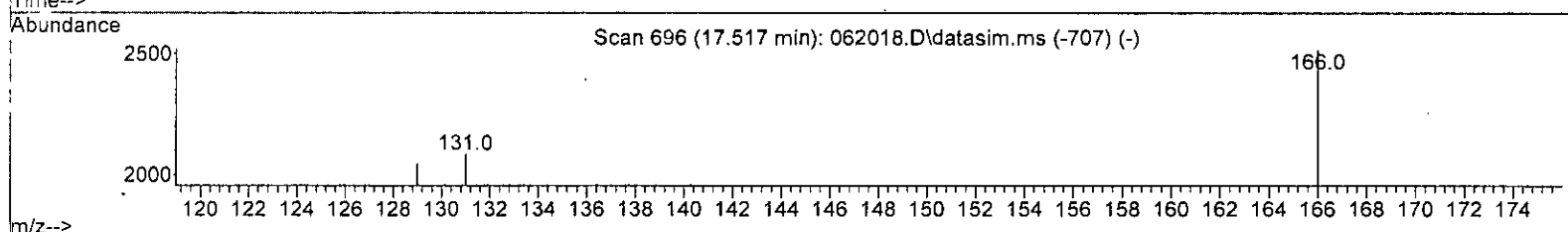
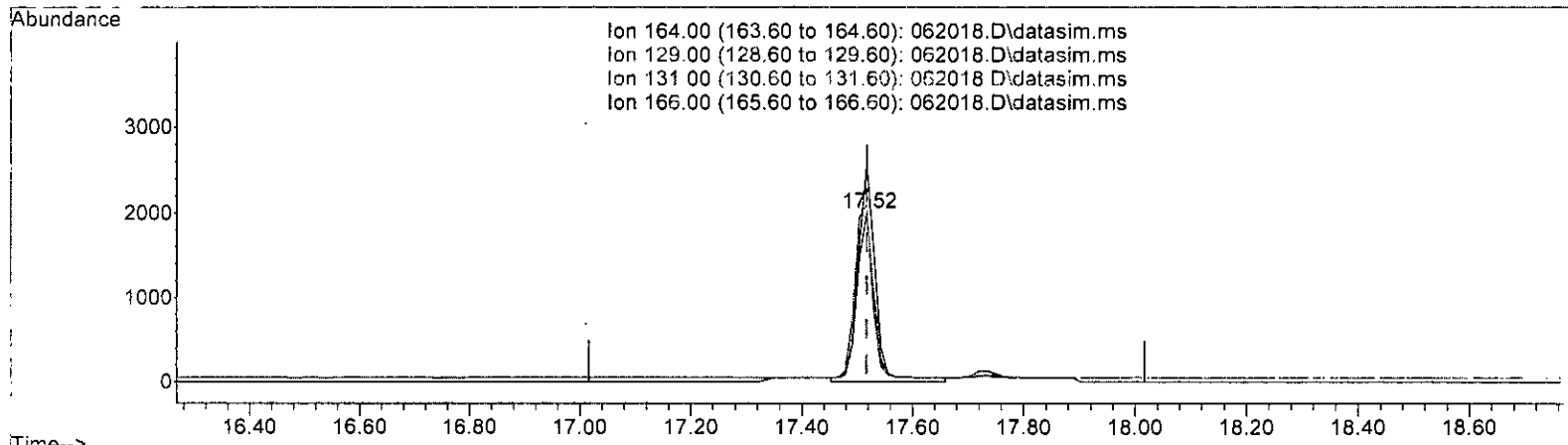
| Ion | Exp% | Act% |
|--------|--------|--------|
| 83.00 | 100.00 | 100.00 |
| 85.00 | 61.00 | 79.78 |
| 127.00 | 0.00 | 57.30# |
| 0.00 | 0.00 | 0.00 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

(53) Tetrachloroethene (TMP)
 17.517min (-0.000) 1.402 ppbv
 response 4557

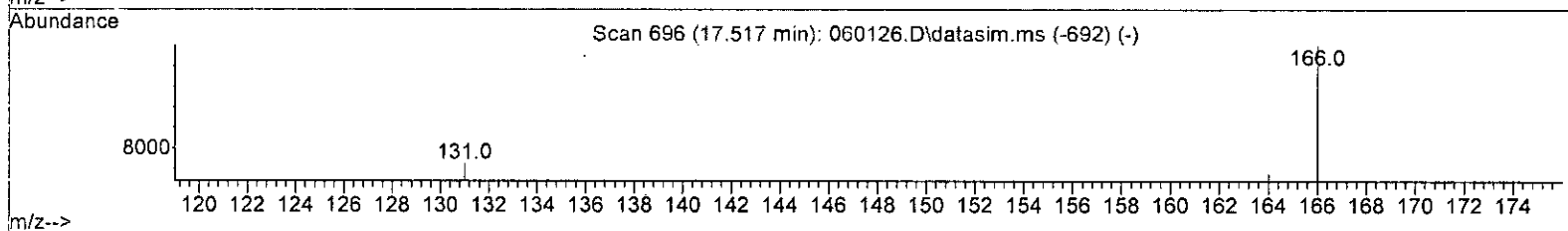
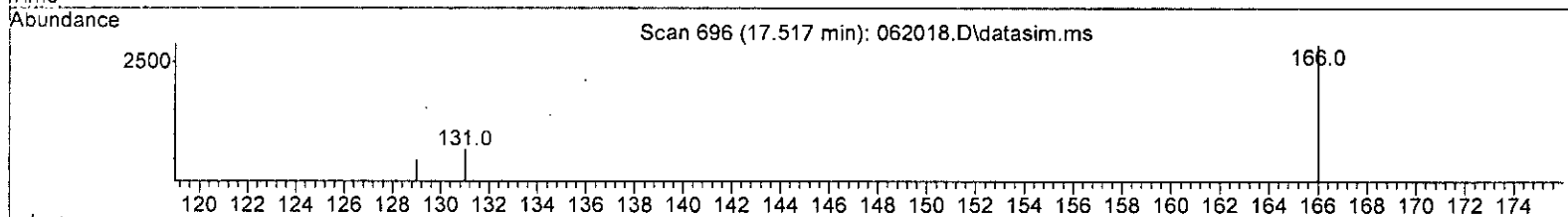
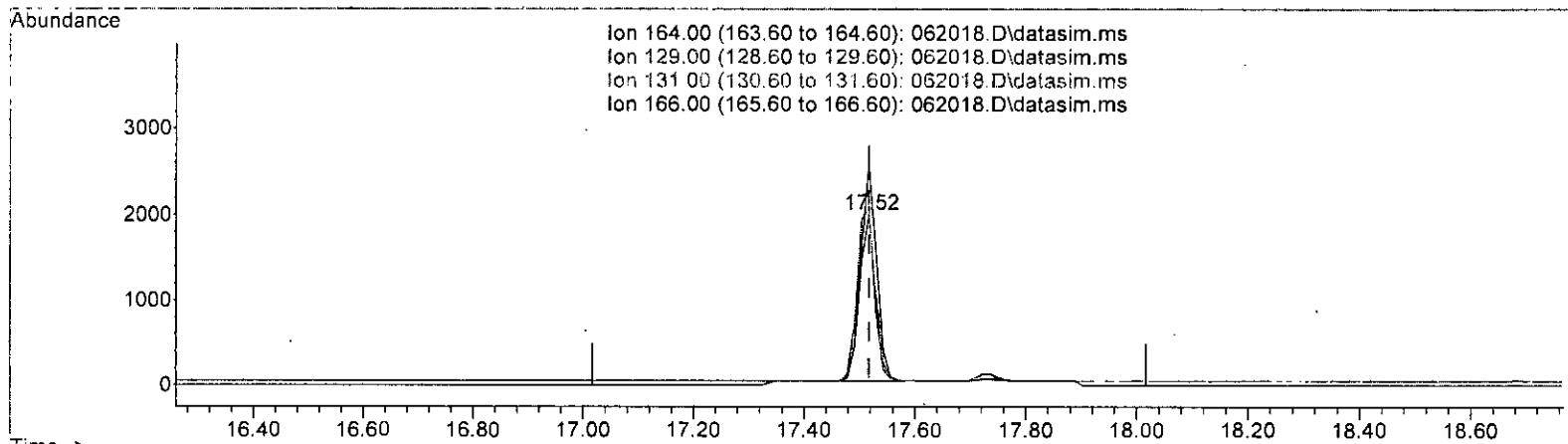
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.50 |
| 131.00 | 100.70 | 106.54 |
| 166.00 | 137.50 | 128.77 |

MD
6/21/23

Quantitation Report (Qedit)

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth: T015DC.M



TIC: 062018.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (-0.000) 1.208 ppbv m

response 3927

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 104.38 |
| 131.00 | 100.70 | 106.43 |
| 166.00 | 137.50 | 128.00 |

MD
07/21/23

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

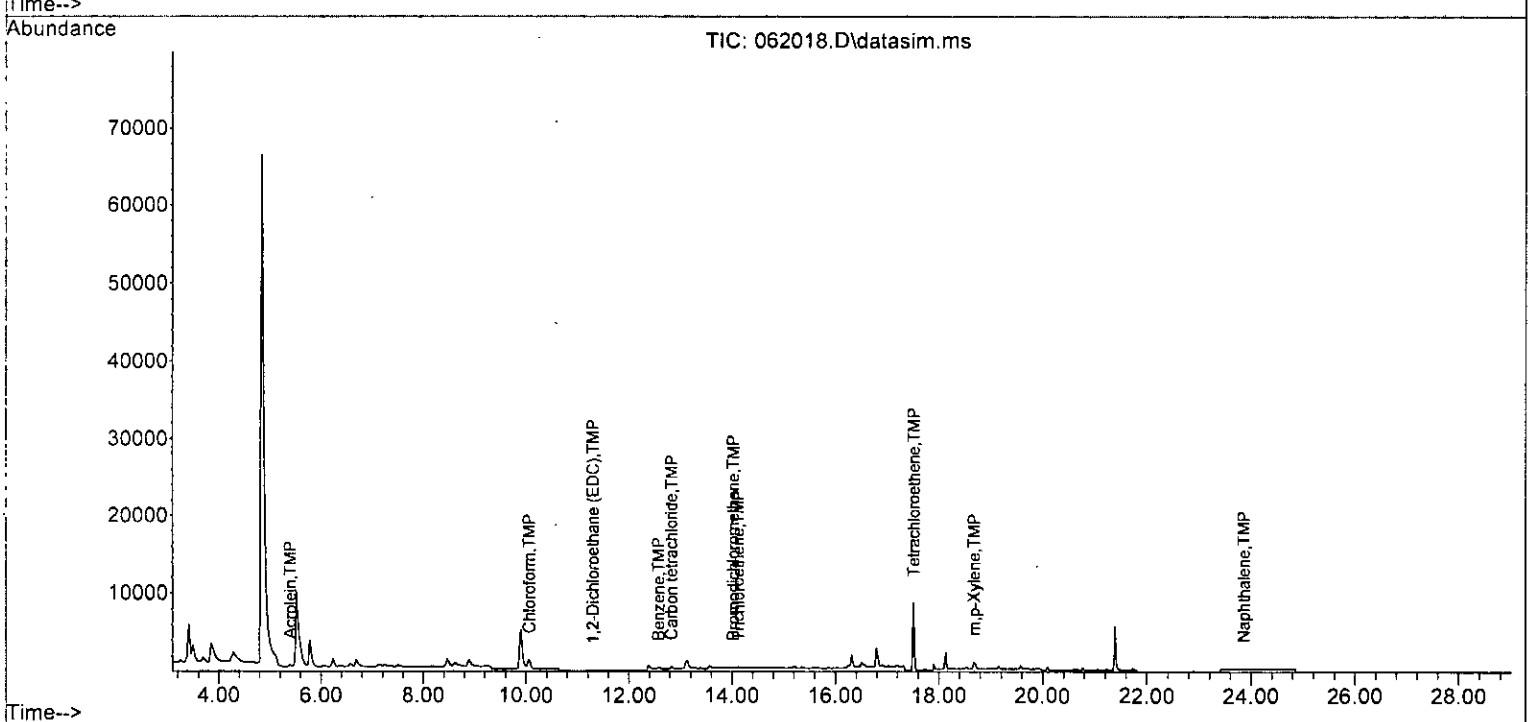
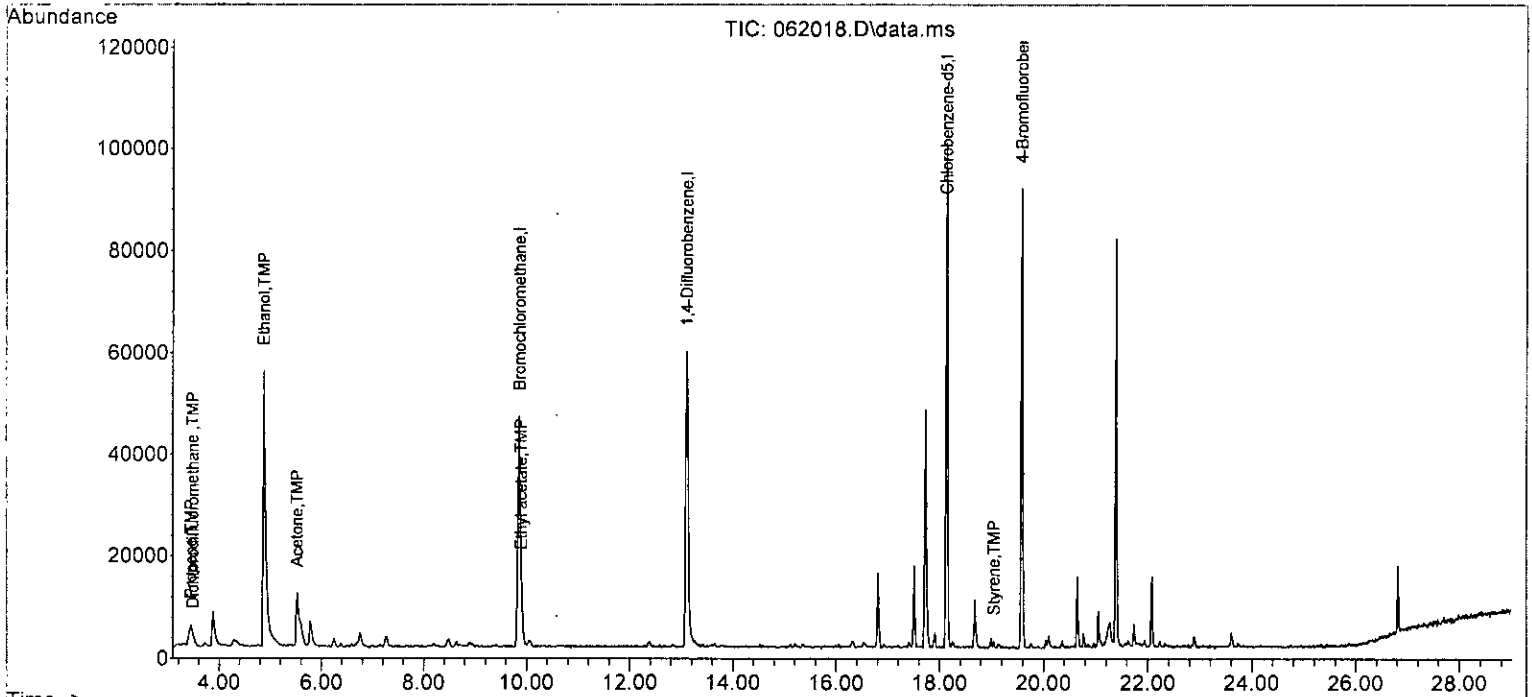
Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M

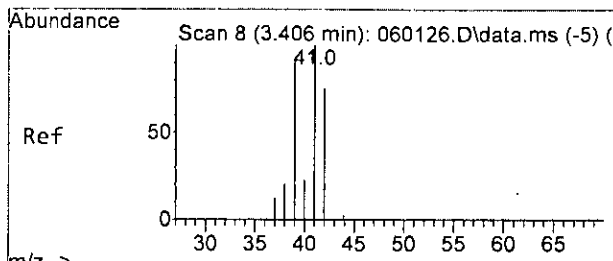
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19039 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 66883 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 63656 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40351 | 8.943 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.40% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 2432 | 0.988 | ppbv | # 24 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3982 | 0.486 | ppbv | 87 |
| 12) Ethanol | 4.88 | 45 | 98675 | 81.424 | ppbv | 84 |
| 13] Acrolein | 5.39 | 56 | 793m | 0.627 | ppbv | |
| 16) Acetone | 5.53 | 58 | 8418 | 6.413 | ppbv | 88 |
| 30] Chloroform | 10.07 | 83 | 2431 | 0.319 | ppbv | 98 |
| 31) Ethyl acetate | 9.90 | 43 | 15952 | 2.130 | ppbv | # 95 |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 84m | 0.017 | ppbv | |
| 36] Carbon tetrachloride | 12.83 | 117 | 514 | 0.076 | ppbv | 100 |
| 37] Benzene | 12.58 | 78 | 544m | 0.052 | ppbv | |
| 45] Bromodichloromethane | 14.02 | 83 | 103m | 0.016 | ppbv | |
| 46] Trichloroethene | 14.12 | 95 | 53 | 0.013 | ppbv | 93 |
| 53] Tetrachloroethene | 17.52 | 164 | 3927m | 1.208 | ppbv | |
| 65] m,p-Xylene | 18.68 | 106 | 467 | 0.118 | ppbv | 99 |
| 67) Styrene | 19.05 | 104 | 842 | 0.173 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 145 | 0.019 | ppbv | 98 |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

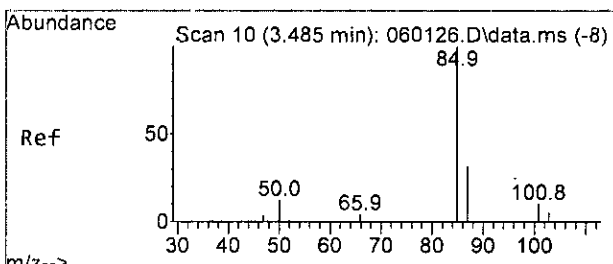
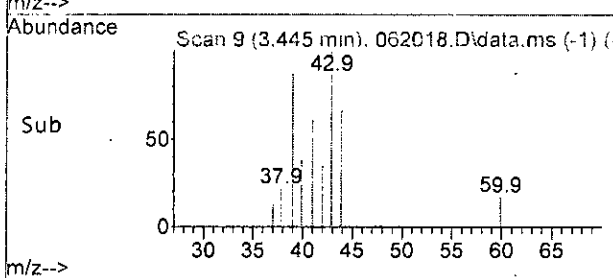
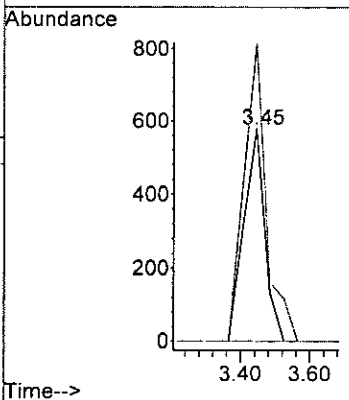
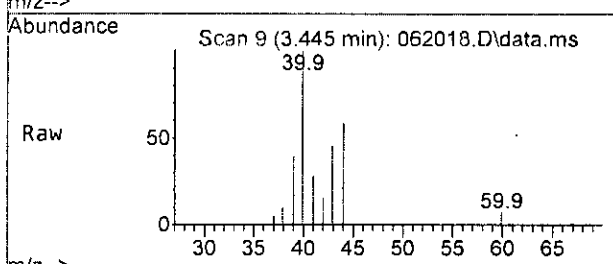
Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M





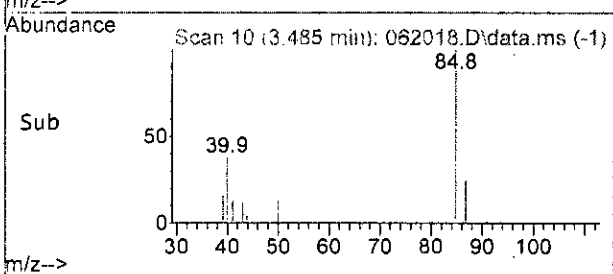
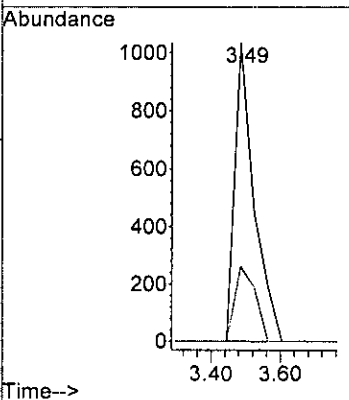
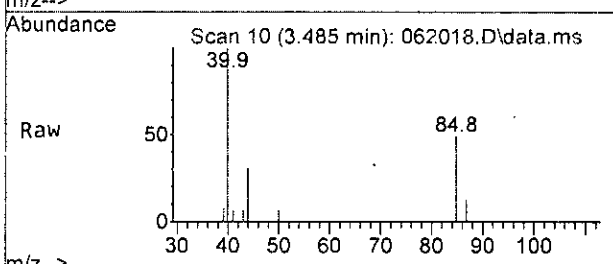
#2
 Propene
 Concen: 0.988 ppbv
 RT: 3.45 min Scan# 9
 Delta R.T. 0.039 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

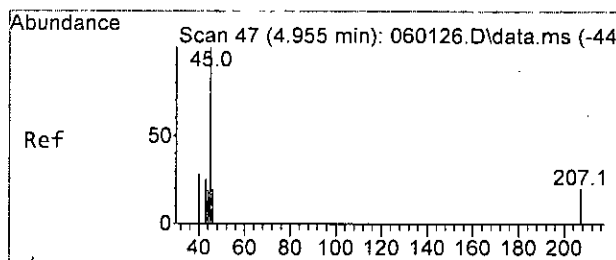
Tgt Ion: 41 Resp: 2432
 Ion Ratio Lower Upper
 41 100
 39 141.0 45.6 105.6#
 27 0.0 0.0 30.0



#3
 Dichlorodifluoromethane
 Concen: 0.486 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

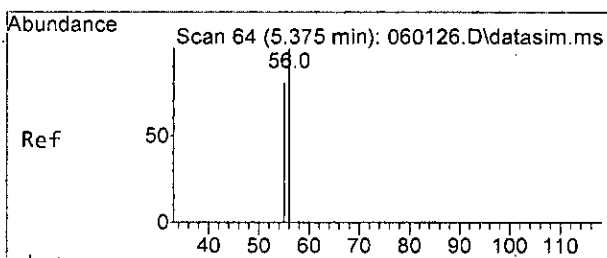
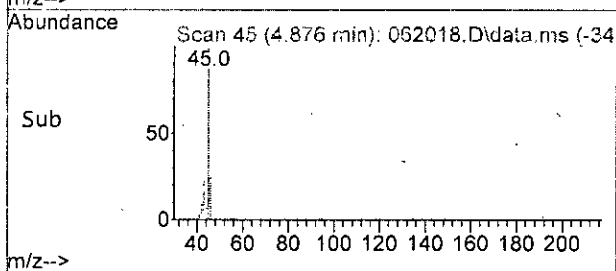
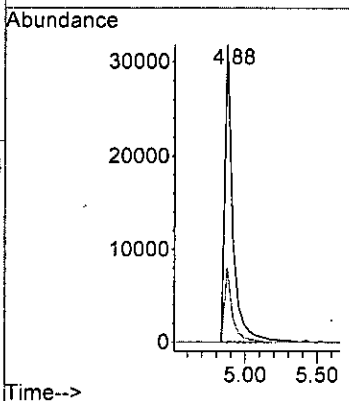
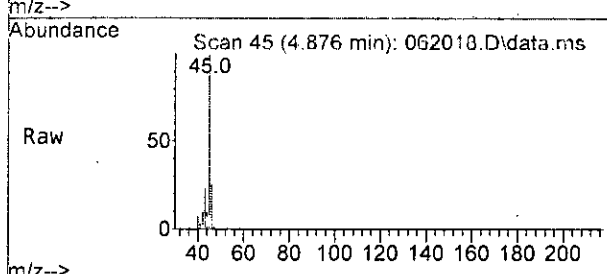
Tgt Ion: 85 Resp: 3982
 Ion Ratio Lower Upper
 85 100
 87 25.2 2.2 62.2





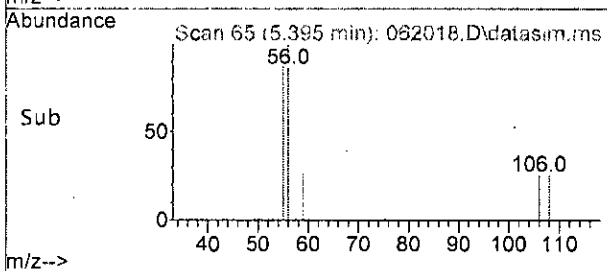
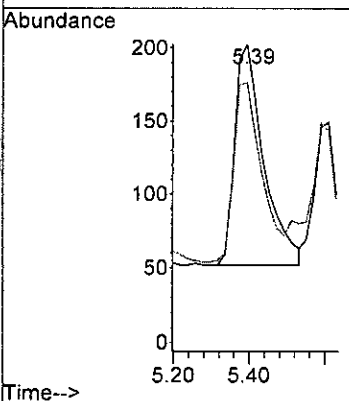
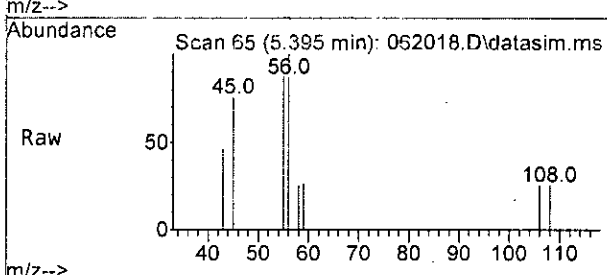
#12
 Ethanol
 Concen: 81.424 ppbv
 RT: 4.88 min Scan# 45
 Delta R.T. -0.079 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

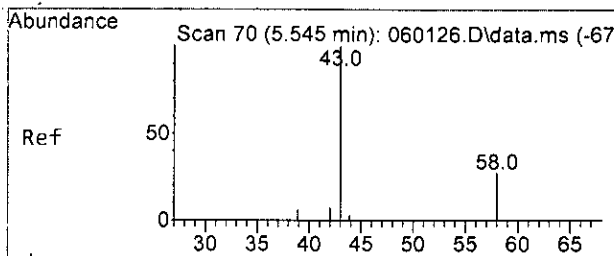
Tgt Ion: 45 Resp: 98675
 Ion Ratio Lower Upper
 45 100
 46 33.4 0.0 55.5



#13
 Acrolein
 Concen: 0.627 ppbv m
 RT: 5.39 min Scan# 65
 Delta R.T. 0.020 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

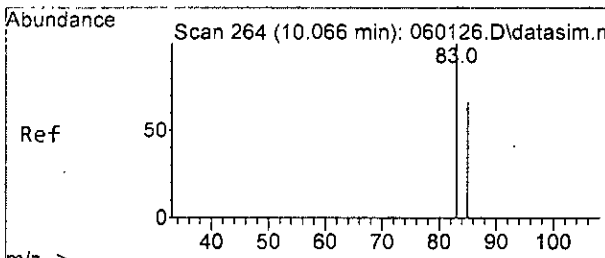
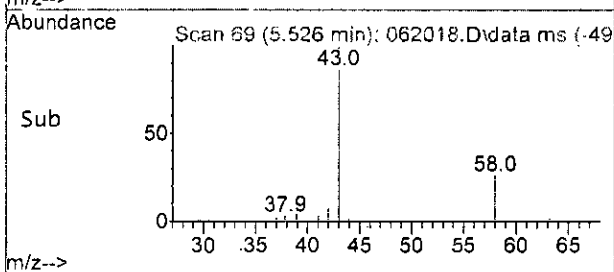
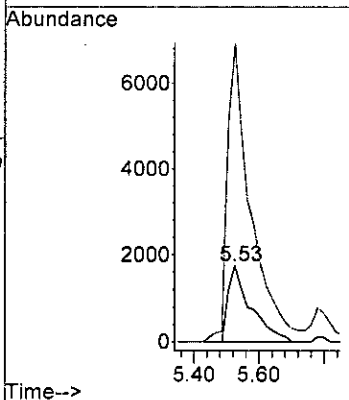
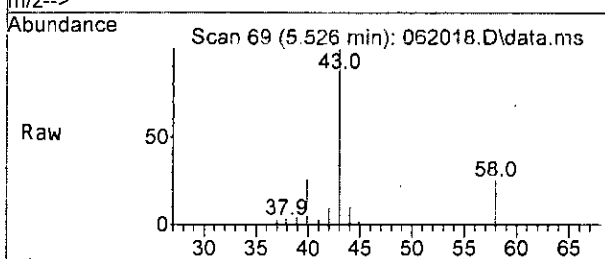
Tgt Ion: 56 Resp: 793
 Ion Ratio Lower Upper
 56 100
 55 121.6 51.0 111.0#





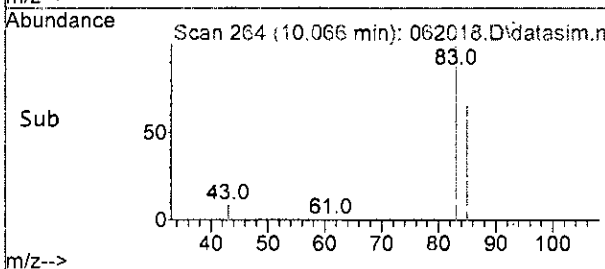
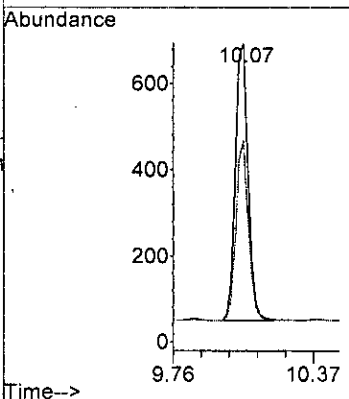
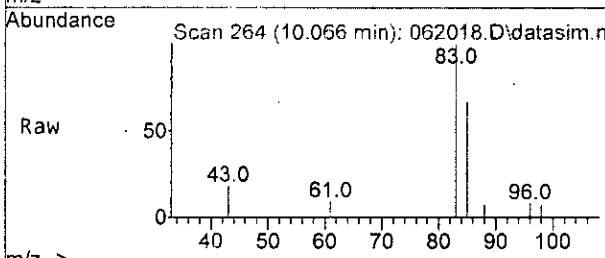
#16
 Acetone
 Concen: 6.413 ppbv
 RT: 5.53 min Scan# 69
 Delta R.T. -0.019 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

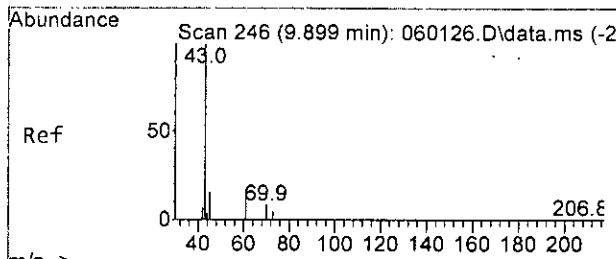
Tgt Ion: 58 Resp: 8418
 Ion Ratio Lower Upper
 58 100
 43 384.8 329.3 389.3



#30
 Chloroform
 Concen: 0.319 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

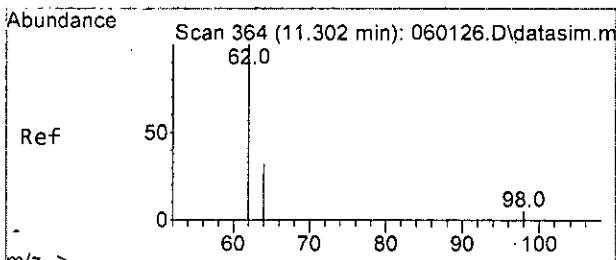
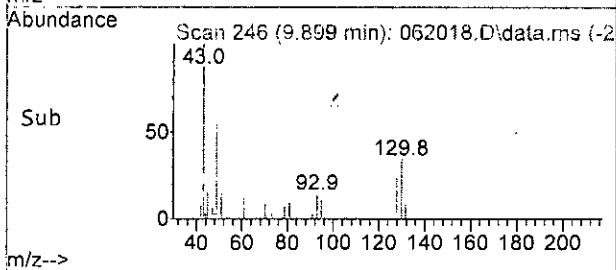
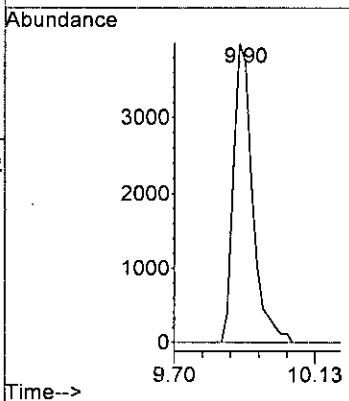
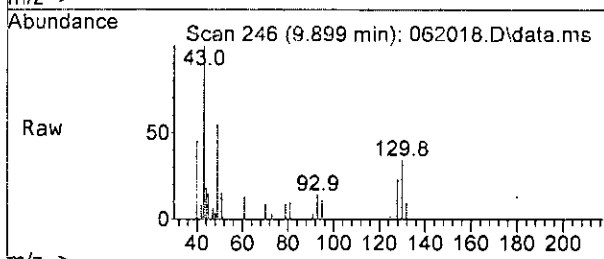
Tgt Ion: 83 Resp: 2431
 Ion Ratio Lower Upper
 83 100
 85 64.6 36.3 96.3





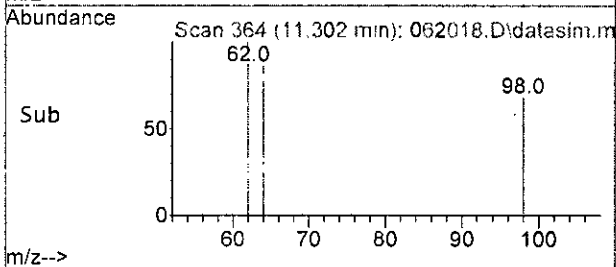
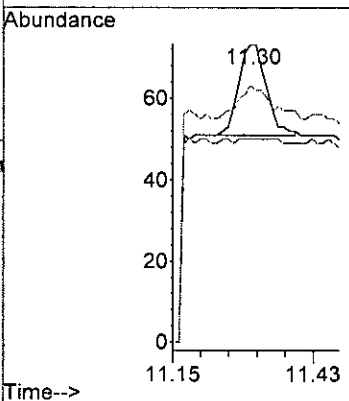
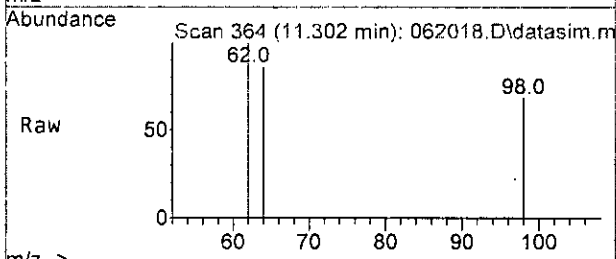
#31
 Ethyl acetate
 Concen: 2.130 ppbv
 RT: 9.90 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

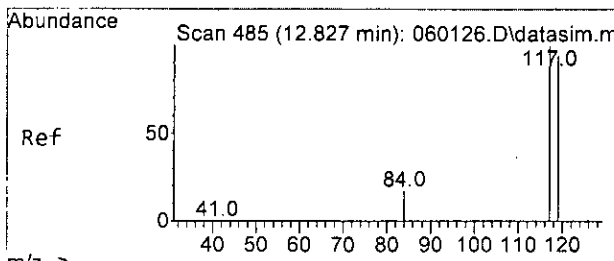
Tgt Ion: 43 Resp: 15952
 Ion Ratio Lower Upper
 43 100
 88 0.0 1.4 2.0#



#34
 1,2-Dichloroethane (EDC)
 Concen: 0.017 ppbv m
 RT: 11.30 min Scan# 364
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

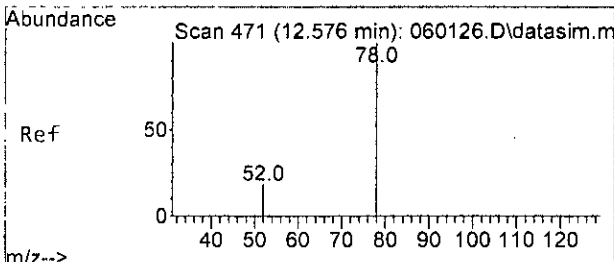
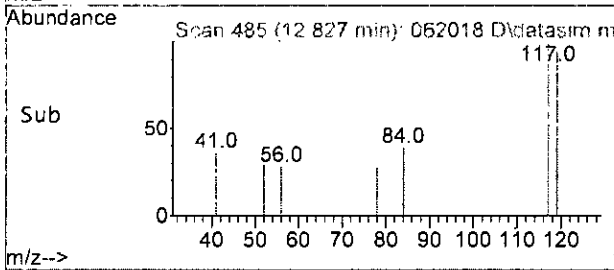
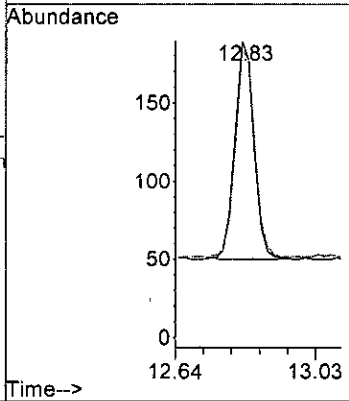
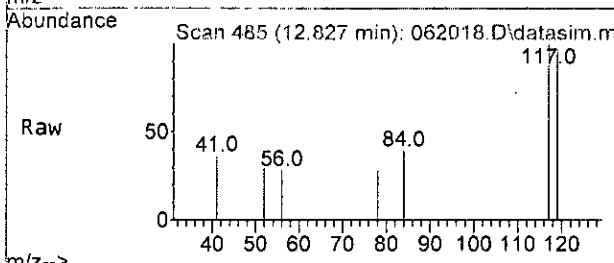
Tgt Ion: 62 Resp: 84
 Ion Ratio Lower Upper
 62 100
 98 68.5 0.0 35.3#
 64 86.3 3.0 63.0#





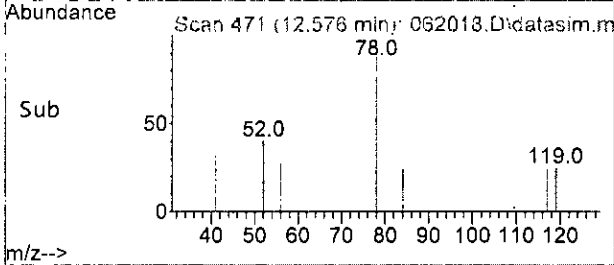
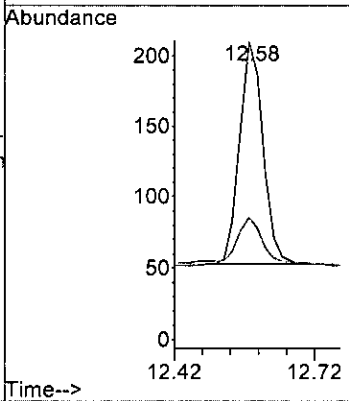
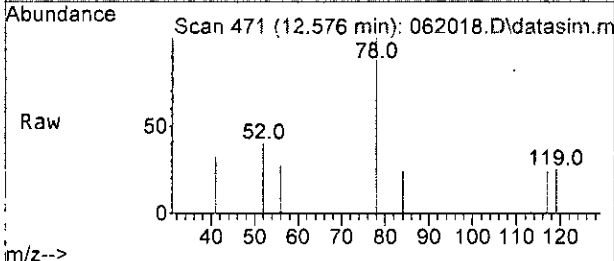
#36
 Carbon tetrachloride
 Concen: 0.076 ppbv
 RT: 12.83 min Scan# 485
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

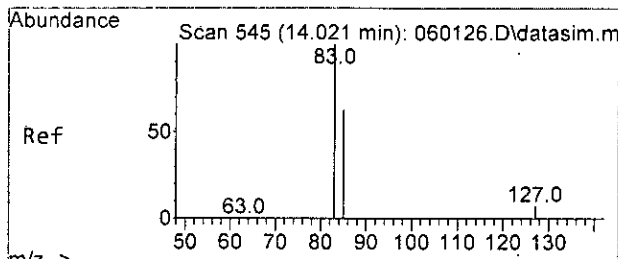
Tgt Ion: 117 Resp: 514
 Ion Ratio Lower Upper
 117 100
 119 94.2 64.6 124.6



#37
 Benzene
 Concen: 0.052 ppbv m
 RT: 12.58 min Scan# 471
 Delta R.T. 0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

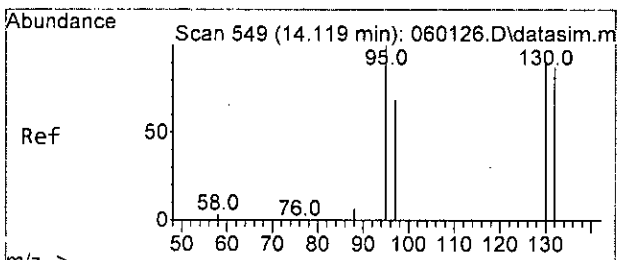
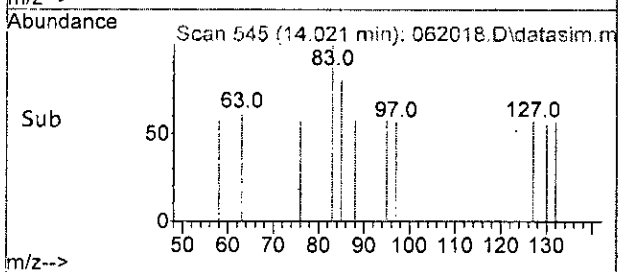
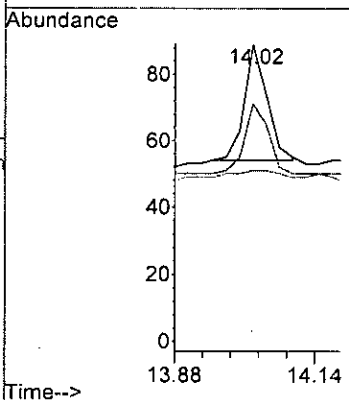
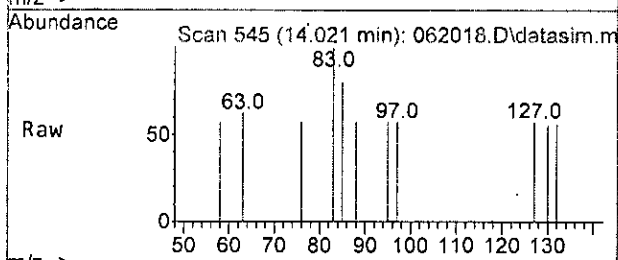
Tgt Ion: 78 Resp: 544
 Ion Ratio Lower Upper
 78 100
 52 40.5 0.0 49.7





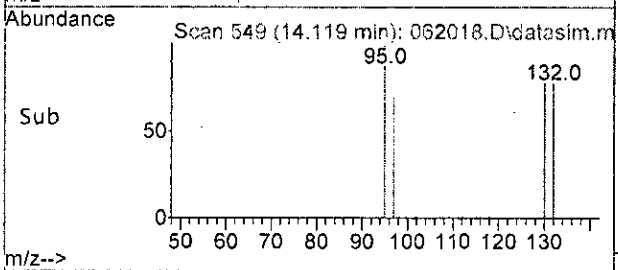
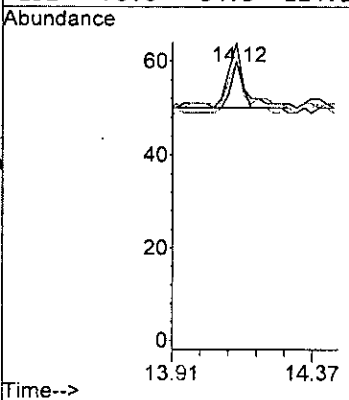
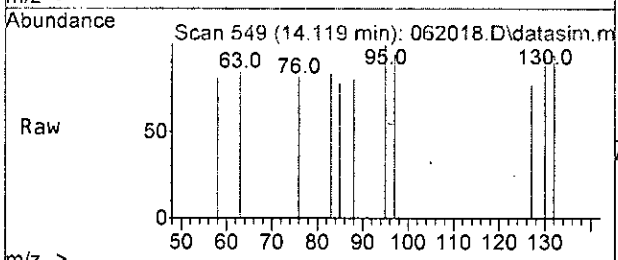
#45
 Bromodichloromethane
 Concen: 0.016 ppbv m
 RT: 14.02 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

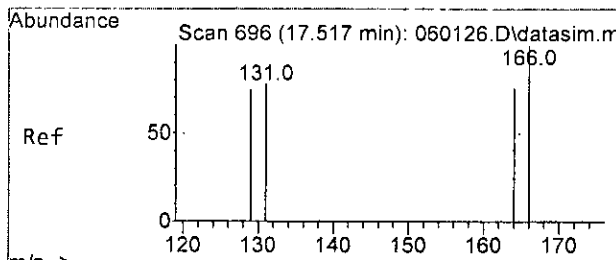
Tgt Ion: 83 Resp: 103
 Ion Ratio Lower Upper
 83 100
 85 79.8 31.0 91.0
 127 57.3 0.0 30.0#



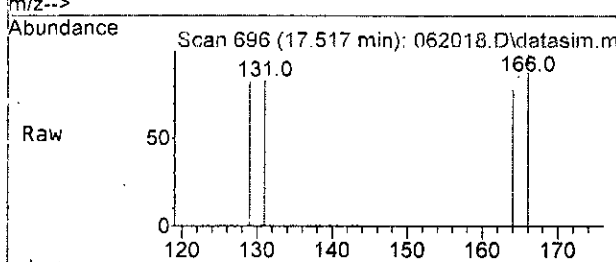
#46
 Trichloroethene
 Concen: 0.013 ppbv
 RT: 14.12 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

Tgt Ion: 95 Resp: 53
 Ion Ratio Lower Upper
 95 100
 97 71.4 37.1 97.1
 130 78.6 56.1 116.1
 132 78.6 54.3 114.3

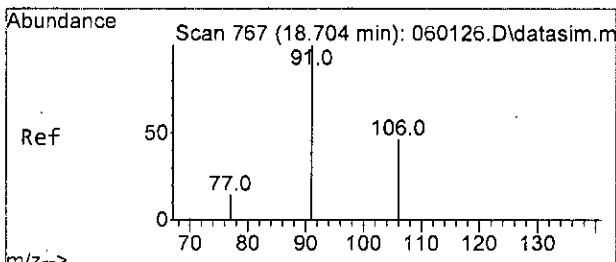
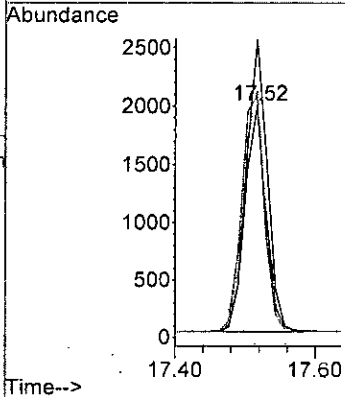
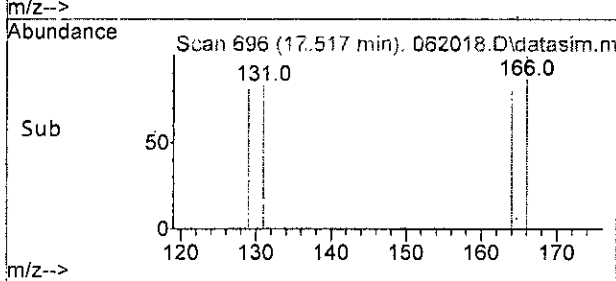




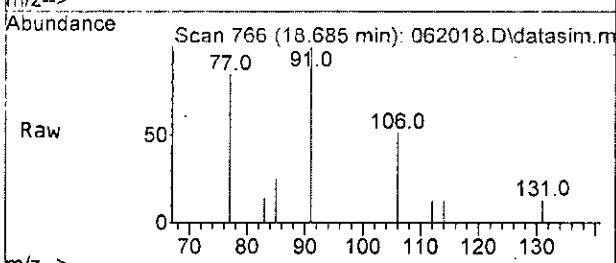
#53
 Tetrachloroethene
 Concen: 1.208 ppbv m
 RT: 17.52 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am



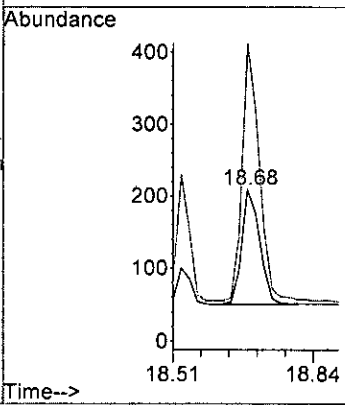
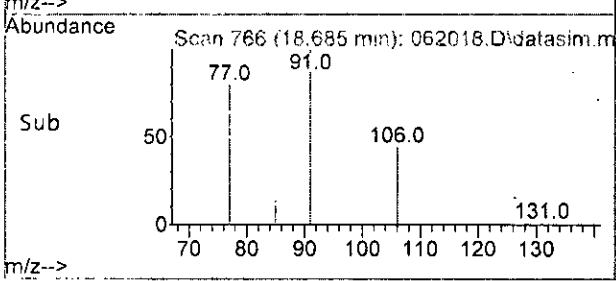
Tgt Ion:164 Resp: 3927
 Ion Ratio Lower Upper
 164 100
 129 104.4 63.2 123.2
 131 106.4 70.7 130.7
 166 128.0 107.5 167.5

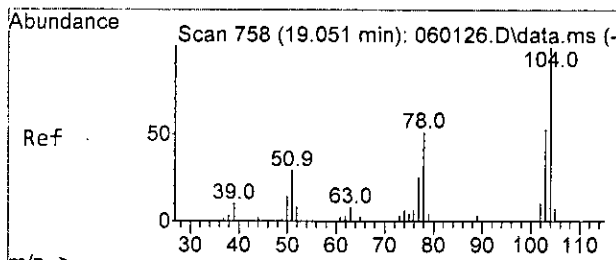


#65
 m,p-Xylene
 Concen: 0.118 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am



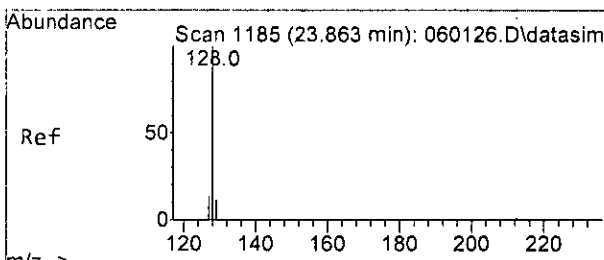
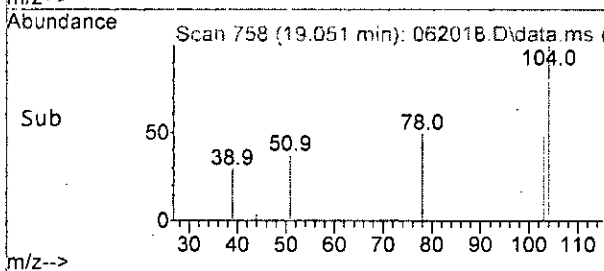
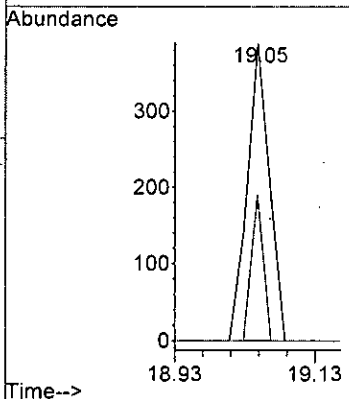
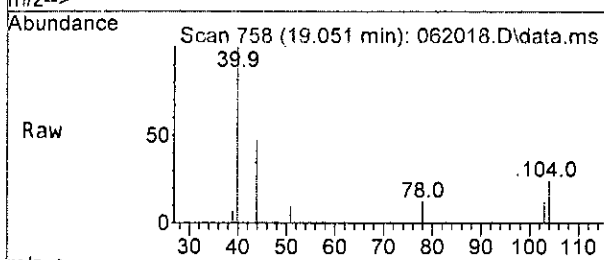
Tgt Ion:106 Resp: 467
 Ion Ratio Lower Upper
 106 100
 91 223.9 193.0 253.0





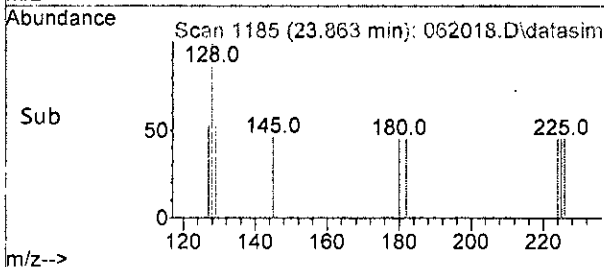
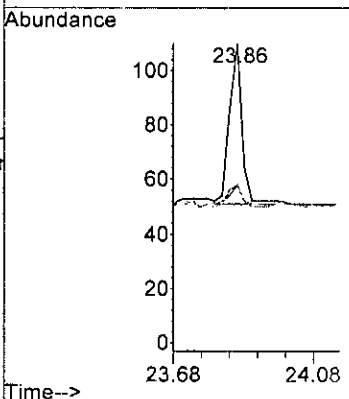
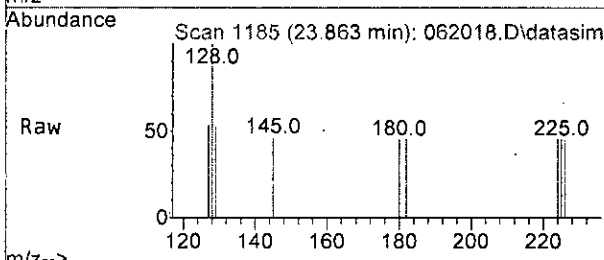
#67
 Styrene
 Concen: 0.173 ppbv
 RT: 19.05 min Scan# 758
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

Tgt Ion: 104 Resp: 842
 Ion Ratio Lower Upper
 104 100
 78 48.8 19.6 79.6



#77
 Naphthalene
 Concen: 0.019 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 062018.D
 Acq: 21 Jun 2023 12:43 am

Tgt Ion: 128 Resp: 145
 Ion Ratio Lower Upper
 128 100
 129 11.9 0.0 41.0
 127 13.6 0.0 43.2



Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19039 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 66883 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 63656 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 40351 | 8.943 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range | 70 - 130 | Recovery | = | 89.40% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Propene | 3.45 | 41 | 2432 | 0.988 | ppbv | # 24 |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 3982 | 0.486 | ppbv | 87 |
| 4) Chloromethane | 3.69 | 50 | 1457 | N.D. | | |
| 5) F-114 | 0.00 | | 0 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | |
| 7) 1,3-Butadiene | 0.00 | | 0 | N.D. | d | |
| 8) Butane | 4.28 | 43 | 3836 | N.D. | | |
| 9) Bromomethane | 0.00 | | 0 | N.D. | | |
| 10) Chloroethane | 0.00 | | 0 | N.D. | | |
| 11) Vinyl bromide | 0.00 | | 0 | N.D. | d | |
| 12) Ethanol | 4.88 | 45 | 98675 | 81.424 | ppbv | 84 |
| 13] Acrolein | 5.39 | 56 | 793m | 0.627 | ppbv | |
| 14) Pentane | 6.25 | 43 | 1540 | N.D. | | |
| 15) Trichlorofluoromethane | 5.80 | 101 | 1355 | N.D. | | |
| 16) Acetone | 5.53 | 58 | 8418 | 6.413 | ppbv | 88 |
| 17) 2-Propanol | 5.78 | 45 | 8954 | N.D. | | |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 19) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 20) Methylene chloride | 6.75 | 84 | 1990 | N.D. | | |
| 21) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 22) 3-Chloropropene | 0.00 | | 0 | N.D. | | |
| 23) CFC-113 | 7.15 | 101 | 183 | N.D. | | |
| 24) Carbon disulfide | 7.22 | 76 | 361 | N.D. | | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 26) Vinyl acetate | 8.49 | 43 | 1777 | N.D. | | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 29) Hexane | 0.00 | | 0 | N.D. | | |
| 30] Chloroform | 10.07 | 83 | 2431 | 0.319 | ppbv | 98 |
| 31) Ethyl acetate | 9.90 | 43 | 15952 | 2.130 | ppbv | # 95 |
| 32) Tetrahydrofuran | 0.00 | | 0 | N.D. | | |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | | |
| 34] 1,2-Dichloroethane (EDC) | 11.30 | 62 | 84m | 0.017 | ppbv | |
| 35) 1,1,1-Trichloroethane | 11.53 | 97 | 135 | N.D. | | |
| 36] Carbon tetrachloride | 12.83 | 117 | 514 | 0.076 | ppbv | 100 |
| 37] Benzene | 12.58 | 78 | 544m | 0.052 | ppbv | |
| 38) Cyclohexane | 13.11 | 84 | 404 | N.D. | | |
| 40) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | |

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

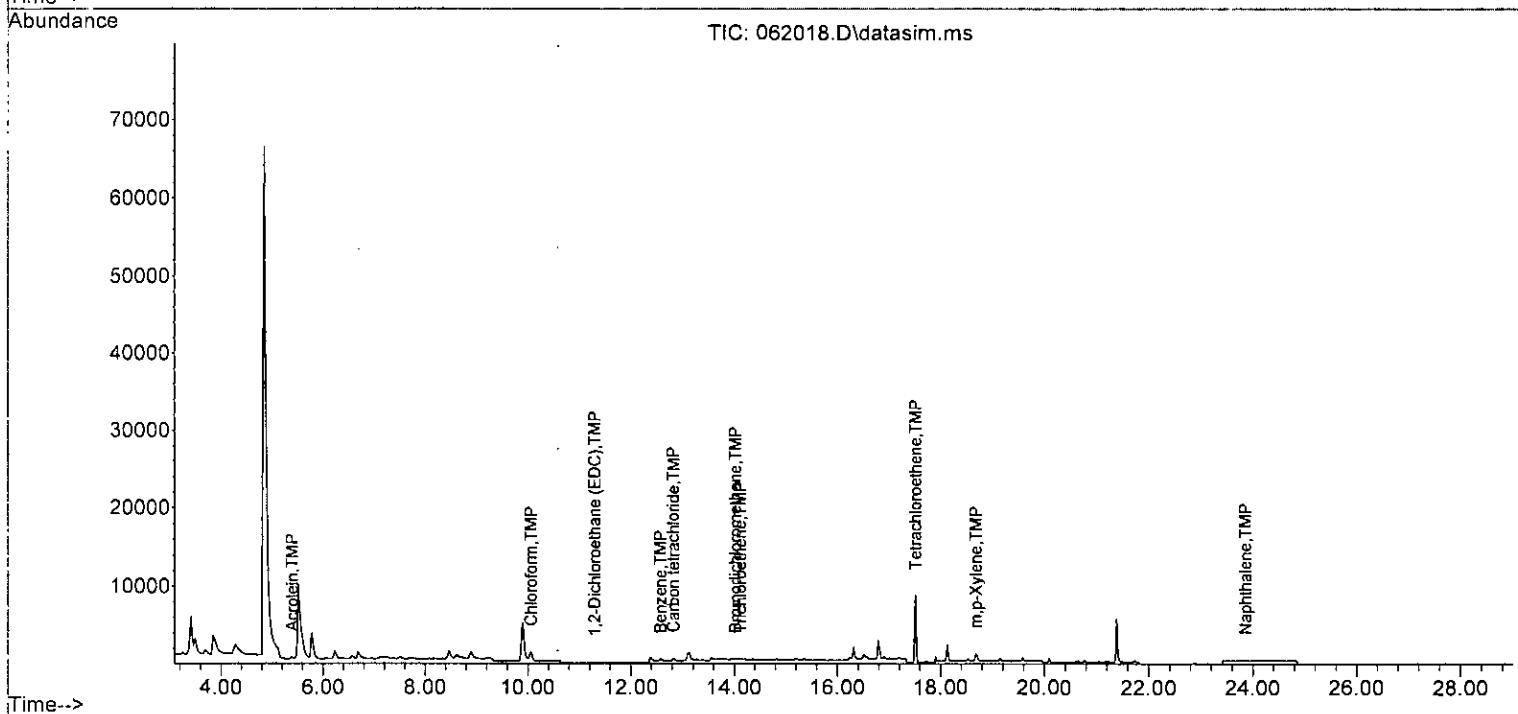
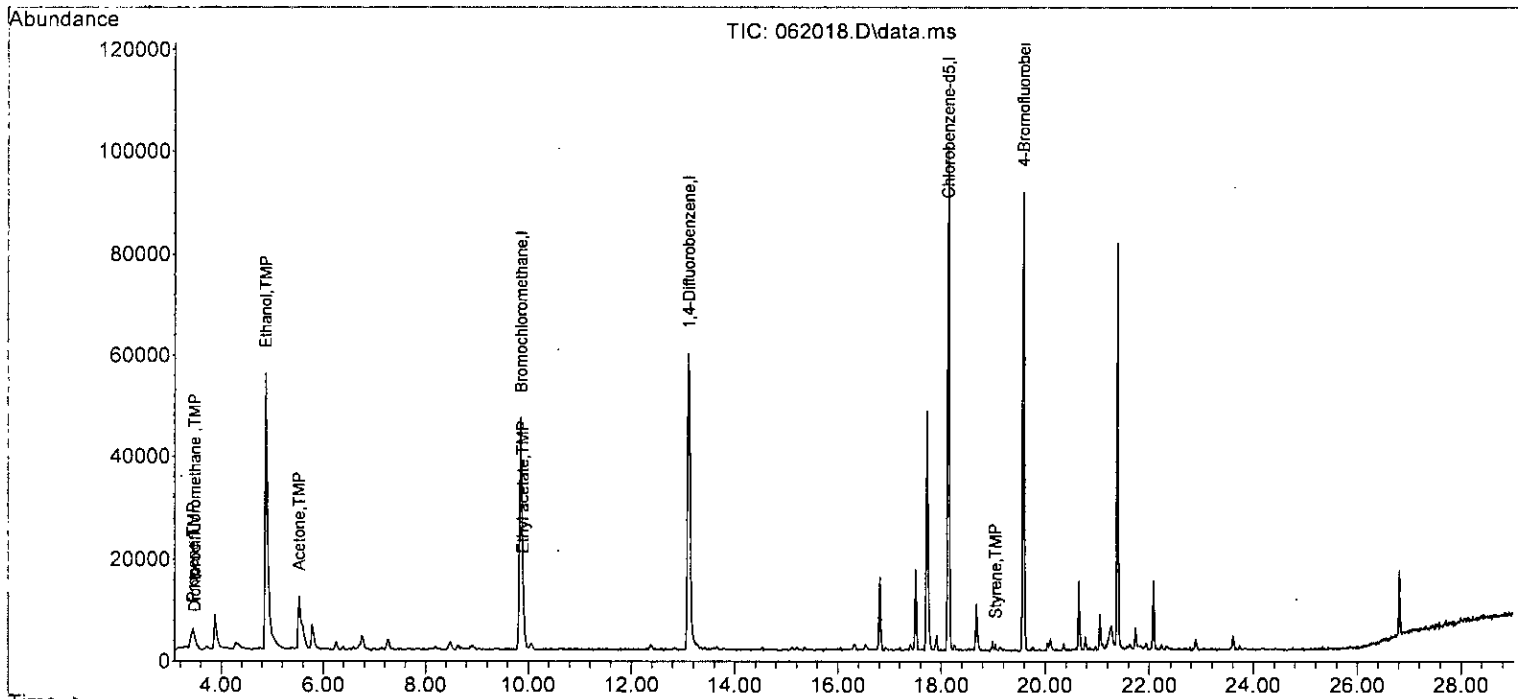
Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 41) 1,4-Dioxane | 13.77 | 88 | 35 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 14.53 | 41 | 205 | | N.D. | |
| 44) Heptane | 14.53 | 43 | 298 | | N.D. | |
| 45] Bromodichloromethane | 14.02 | 83 | 103m | 0.016 | ppbv | |
| 46] Trichloroethene | 14.12 | 95 | 53 | 0.013 | ppbv | 93 |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 1802 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.53 | 43 | 1075 | | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 3927m | 1.208 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58) Ethylbenzene | 18.53 | 91 | 362 | | N.D. | |
| 59) 1,1,2,2-Tetrachloroethane | 18.98 | 83 | 26 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 164 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 684 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.10 | 91 | 625 | | N.D. | |
| 64) 4-Ethyltoluene | 20.10 | 105 | 105 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 467 | 0.118 | ppbv | 99 |
| 66) o-Xylene | 19.15 | 106 | 157 | | N.D. | |
| 67) Styrene | 19.05 | 104 | 842 | 0.173 | ppbv | 99 |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70) Benzyl chloride | 0.00 | | 0 | | N.D. d | |
| 71) 1,3,5-Trimethylbenzene | 20.10 | 105 | 105 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 235 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.41 | 146 | 22 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.41 | 146 | 26 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 145 | 0.019 | ppbv | 98 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : V:\Proc_GCMS7\06-20-23\
 Data File : 062018.D
 Acq On : 21 Jun 2023 12:43 am
 Operator : bat
 Sample : 306242-07
 Misc : T6
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS7

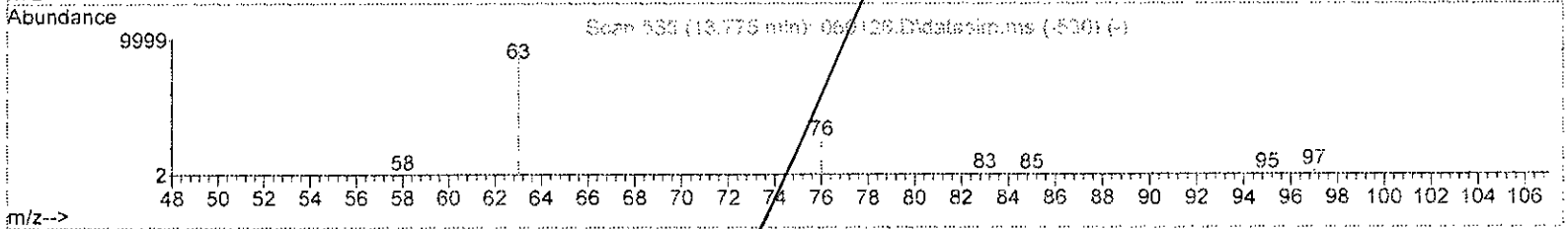
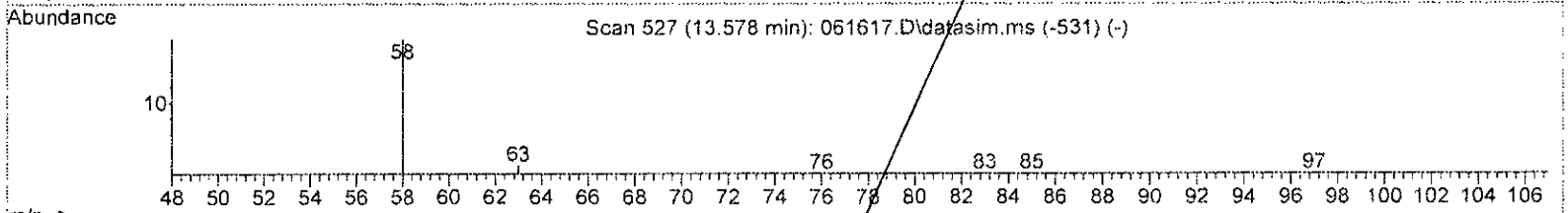
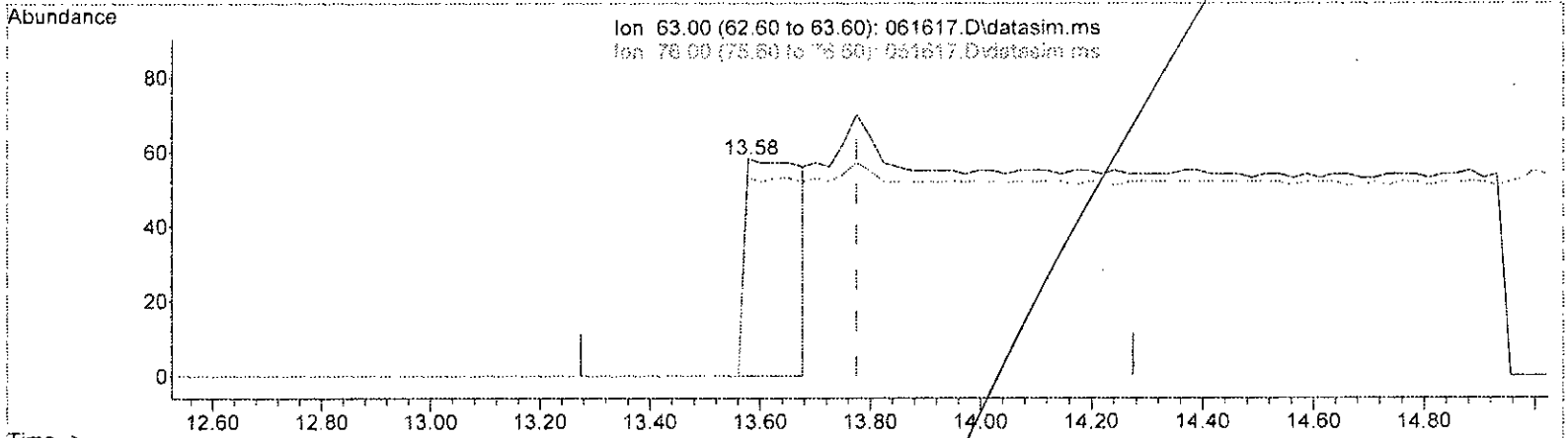
Quant Time: Jun 21 07:07:58 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 5S method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061617.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.578min (-0.197) 0.087 ppbv

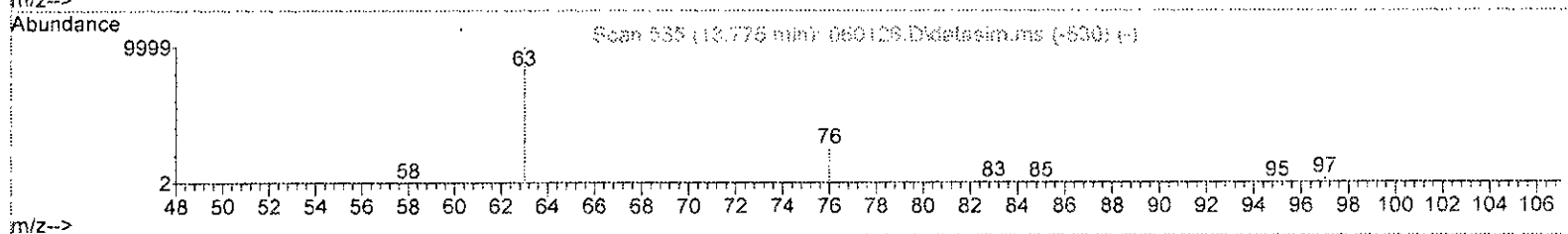
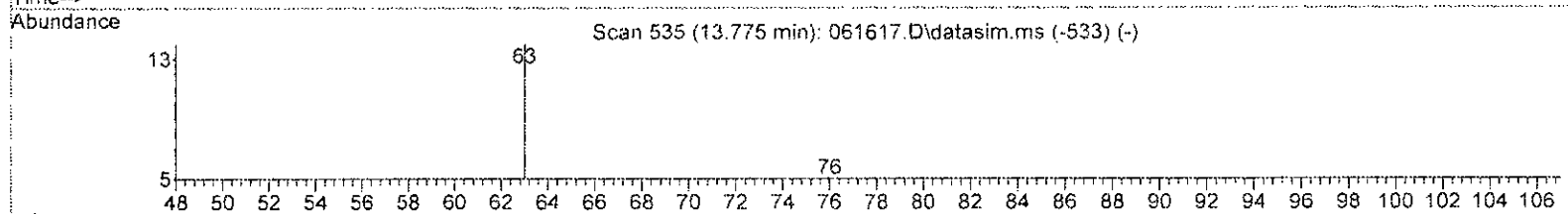
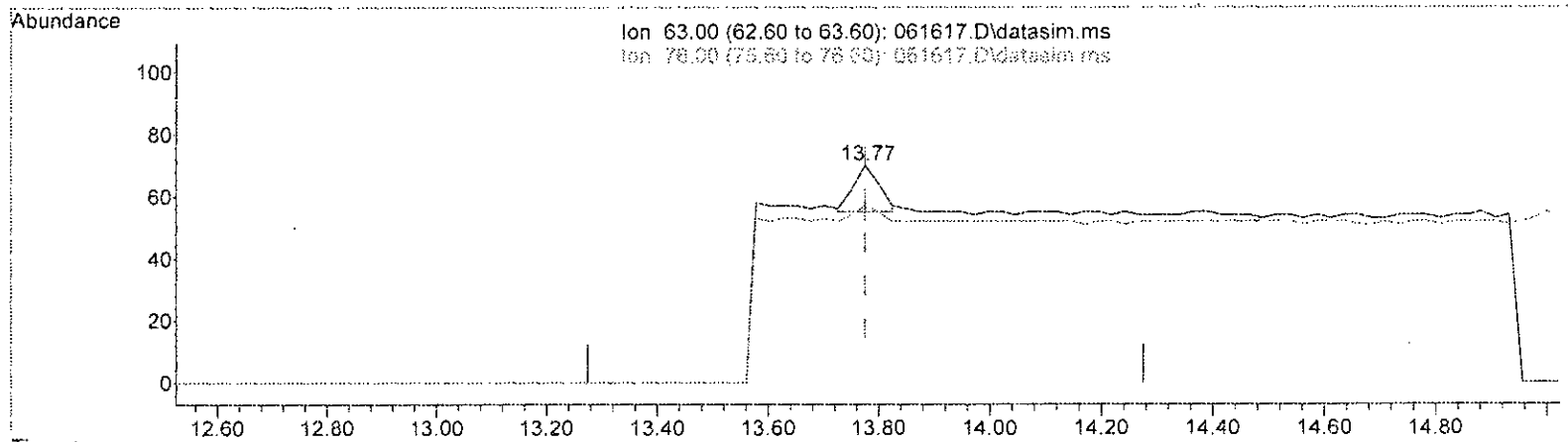
| response | 382 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 91.38# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M



TIC: 061617.D\data.ms

(40) 1,2-Dichloropropane (TMP)
 13.775min (-0.000) 0.011 ppbv m
 response 49

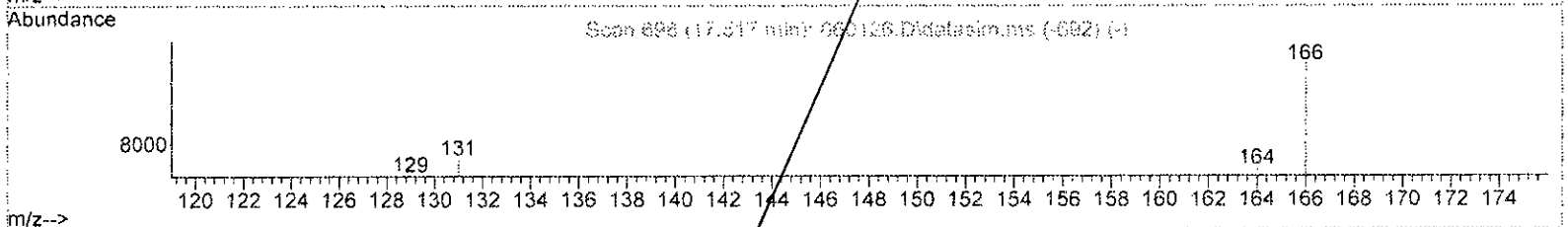
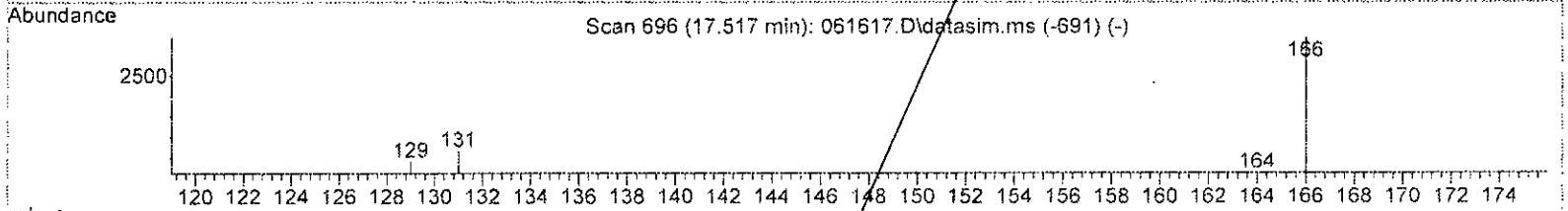
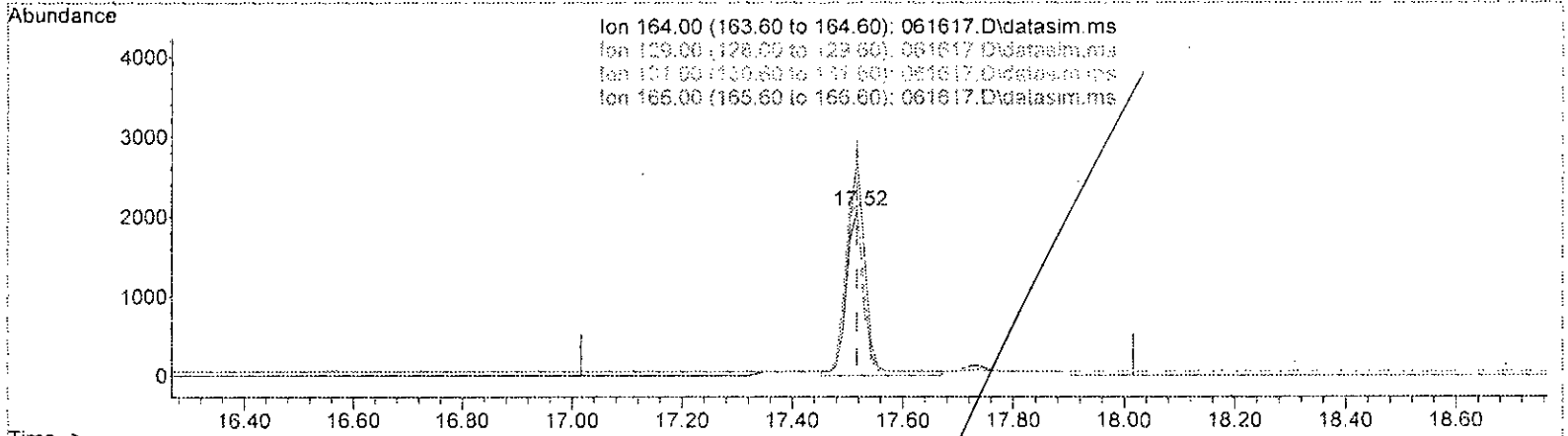
| Ion | Exp% | Act% |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 76.00 | 25.70 | 81.43# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061617.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 1.391 ppbv

response 4929

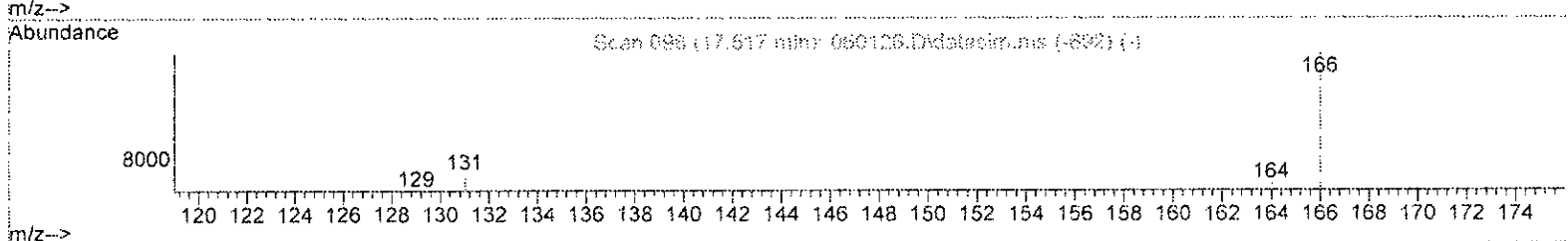
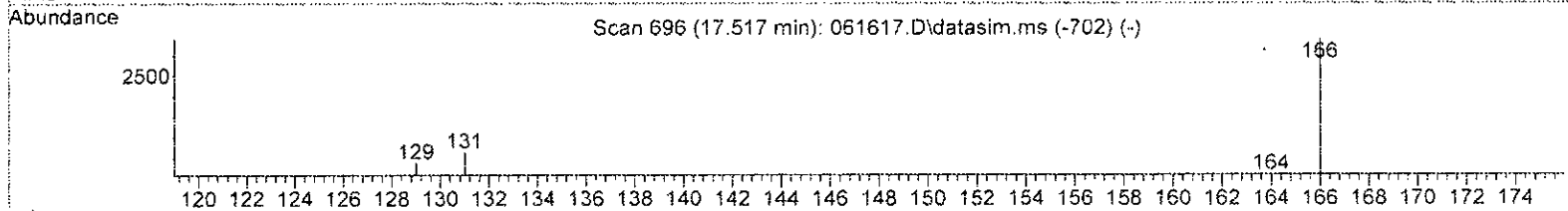
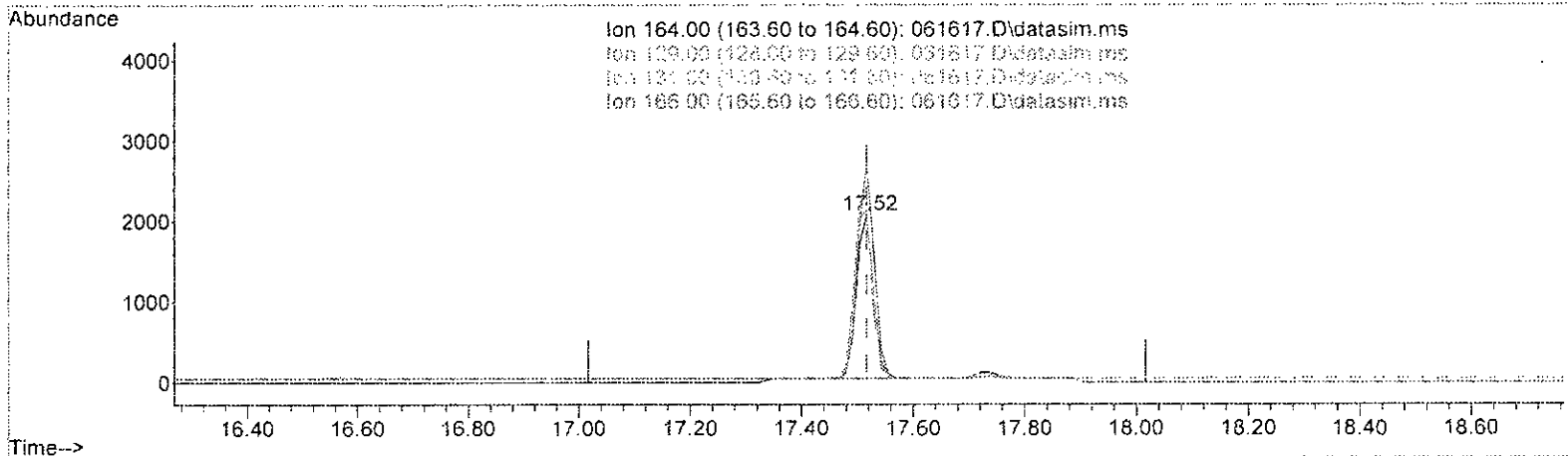
| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.77 |
| 131.00 | 100.70 | 105.44 |
| 166.00 | 137.50 | 132.48 |

Handwritten signature/initials

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/S.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : T0-15 SS method
 Qlast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:T015DC.M



TIC: 061617.D\data.ms

(53) Tetrachloroethene (TMP)

17.517min (+ 0.000) 1.201 ppbv m

response 4256

| Ion | Exp% | Act% |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 93.20 | 102.70 |
| 131.00 | 100.70 | 105.45 |
| 166.00 | 137.50 | 131.69 |

bat

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

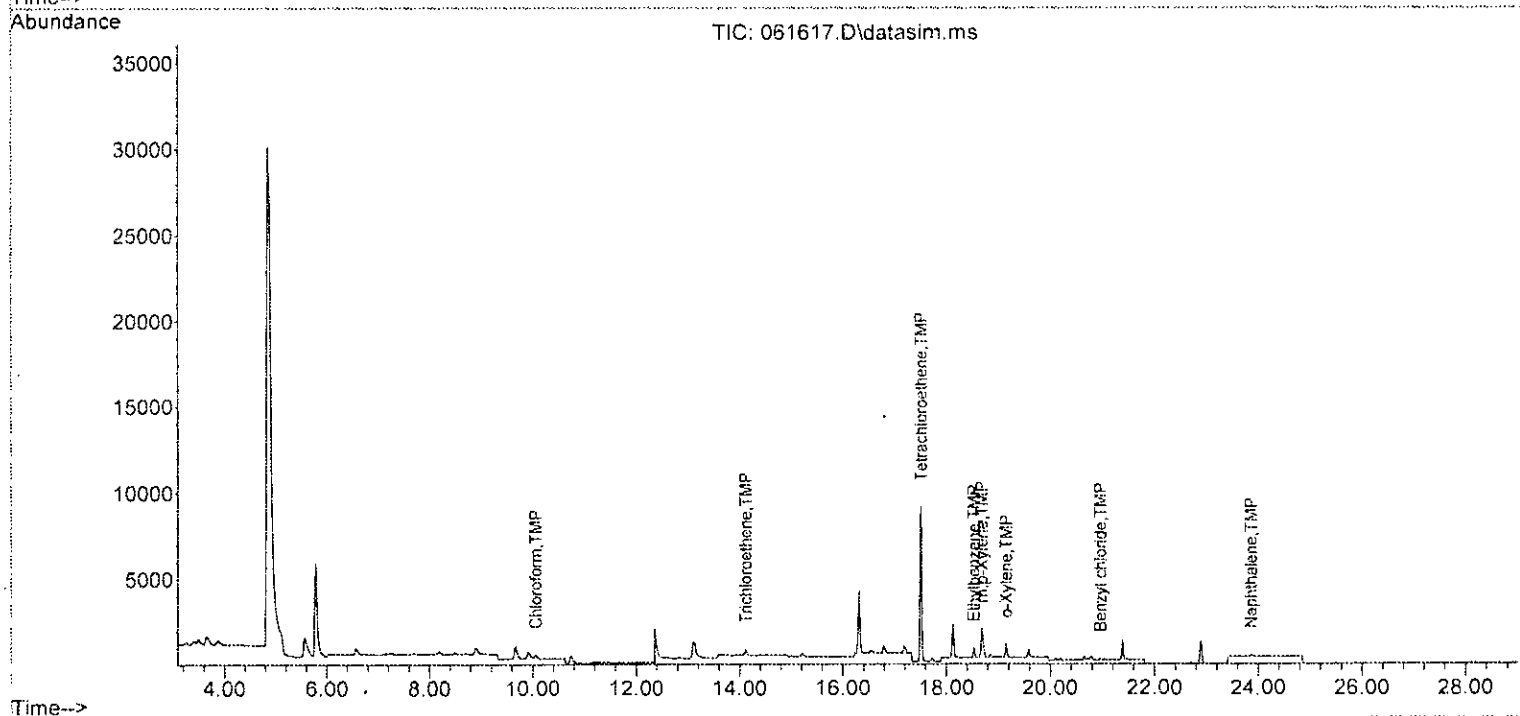
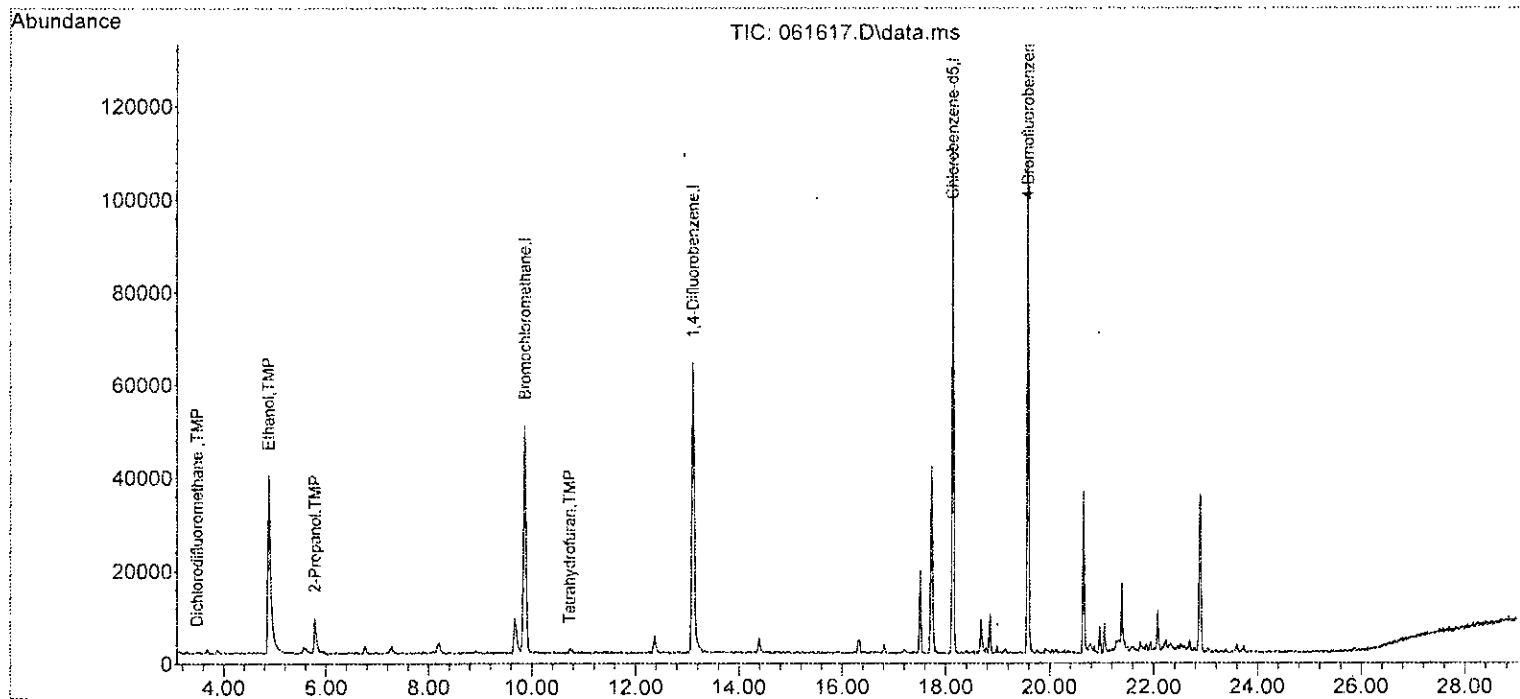
Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

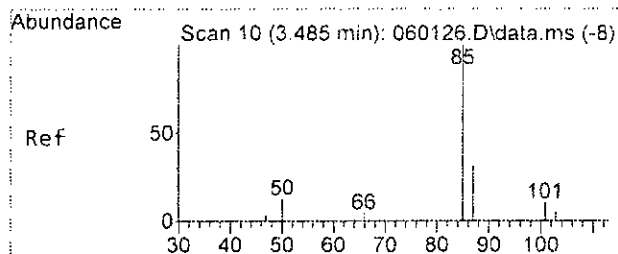
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19319 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72910 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 68170 | 10.000 | ppbv | 0.00 |
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 45135 | 9.341 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 93.40% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 696 | 0.084 | ppbv | # 42 |
| 12) Ethanol | 4.88 | 45 | 94847 | 77.131 | ppbv | 97 |
| 17) 2-Propanol | 5.78 | 45 | 16913 | 2.619 | ppbv | # 100 |
| 30] Chloroform | 10.07 | 83 | 500 | 0.065 | ppbv | 98 |
| 32) Tetrahydrofuran | 10.73 | 42 | 1201 | 0.337 | ppbv | 50 |
| 46] Trichloroethene | 14.12 | 95 | 276 | 0.062 | ppbv | 97 |
| 53] Tetrachloroethene | 17.52 | 164 | 4256m | 1.201 | ppbv | |
| 58] Ethylbenzene | 18.53 | 91 | 789 | 0.067 | ppbv | 99 |
| 65] m,p-Xylene | 18.68 | 106 | 1110 | 0.262 | ppbv | 92 |
| 66] o-Xylene | 19.15 | 106 | 380 | 0.106 | ppbv | 91 |
| 70] Benzyl chloride | 20.96 | 91 | 91 | 0.010 | ppbv | 99 |
| 77] Naphthalene | 23.86 | 128 | 242 | 0.029 | ppbv | 96 |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061617.D
Acq On : 16 Jun 2023 8:22 pm
Operator : bat
Sample : 306242-08 1/5.2
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

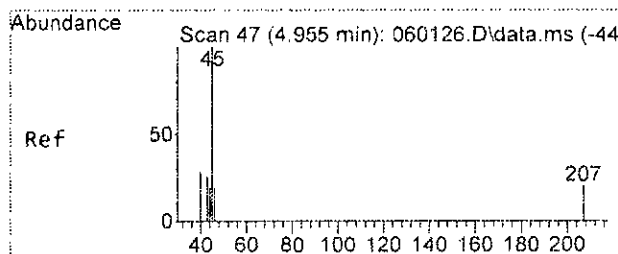
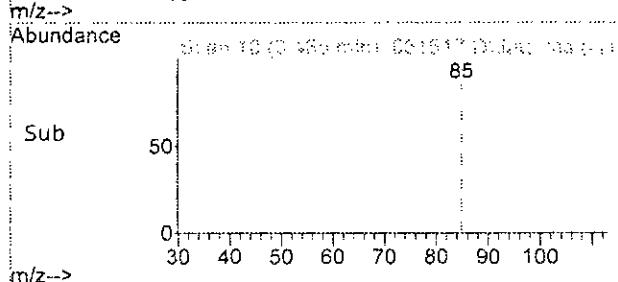
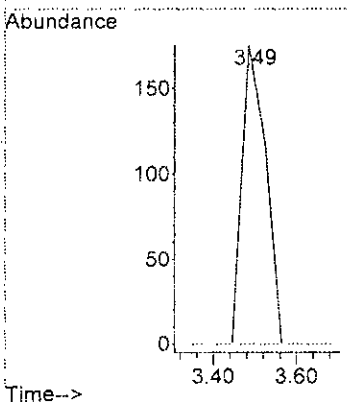
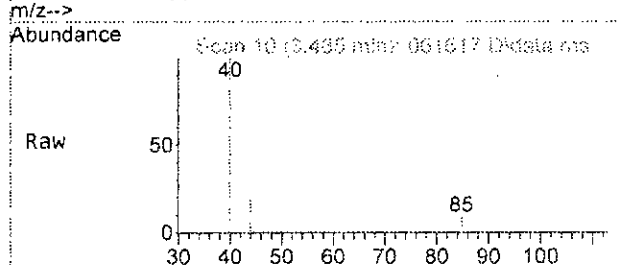
Quant Time: Jun 19 12:50:41 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





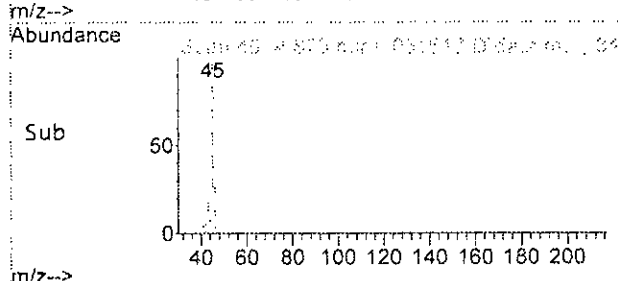
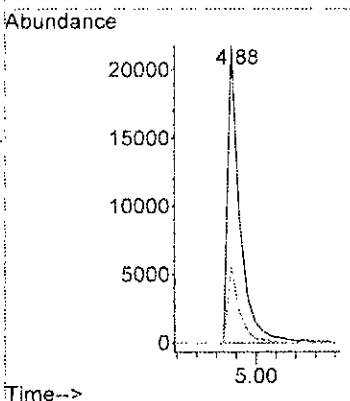
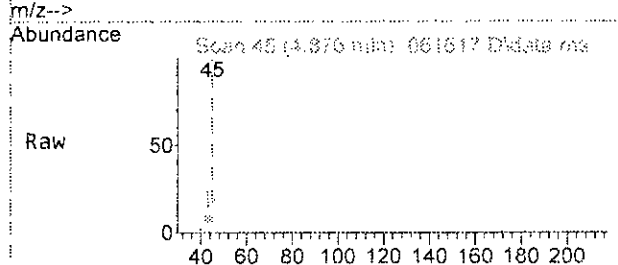
#3
 Dichlorodifluoromethane
 Concen: 0.084 ppbv
 RT: 3.49 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

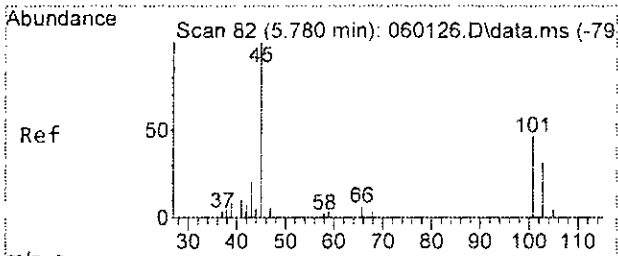
Tgt Ion: 85 Resp: 696
 Ion Ratio Lower Upper
 85 100
 87 0.0 2.2 62.2#



#12
 Ethanol
 Concen: 77.131 ppbv
 RT: 4.88 min Scan# 45
 Delta R.T. -0.079 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

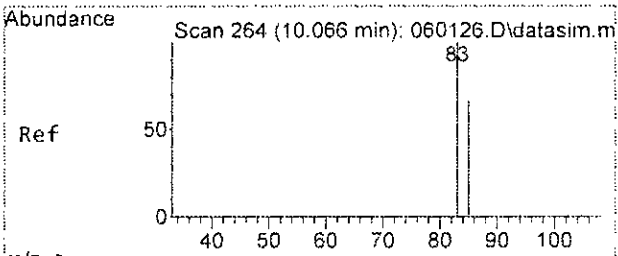
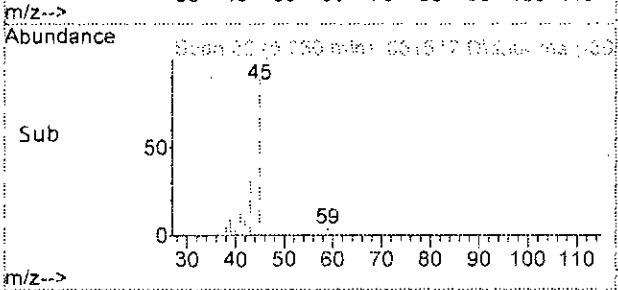
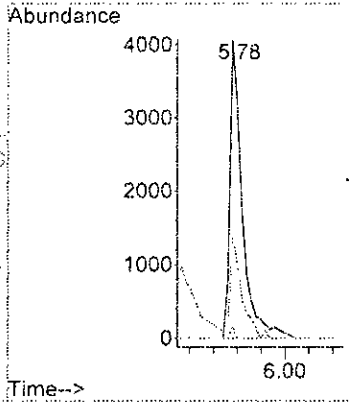
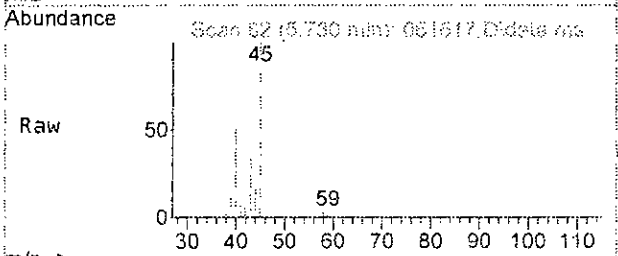
Tgt Ion: 45 Resp: 94847
 Ion Ratio Lower Upper
 45 100
 46 26.9 0.0 55.5





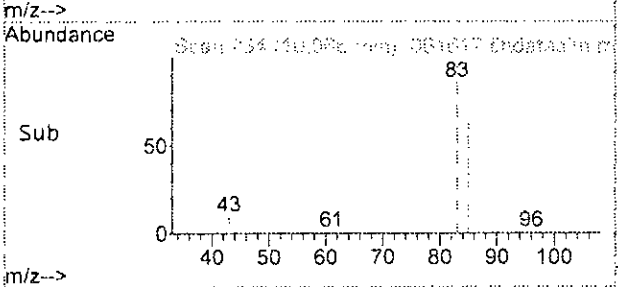
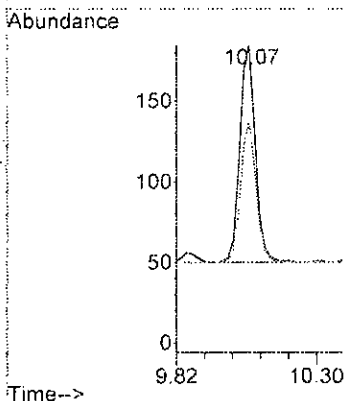
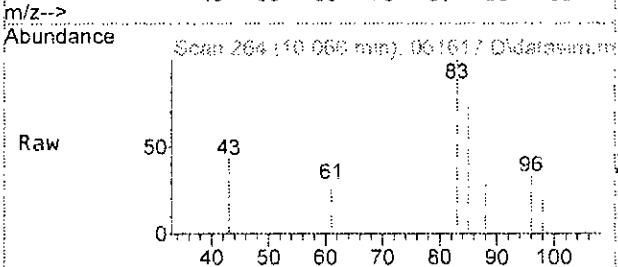
#17
 2-Propanol
 Concen: 2.619 ppbv
 RT: 5.78 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

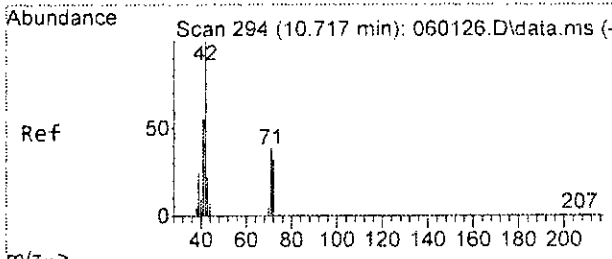
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 45 | 16913 | | |
| 43 | 33.9 | 0.0 | 30.0# |
| 59 | 3.7 | 0.0 | 33.6 |



#30
 Chloroform
 Concen: 0.065 ppbv
 RT: 10.07 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

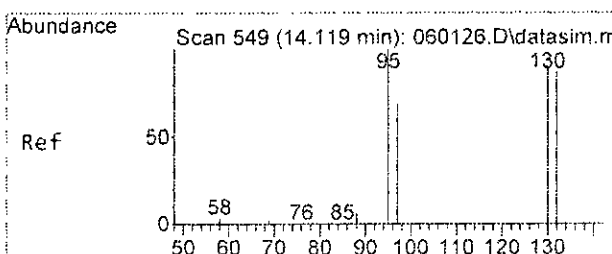
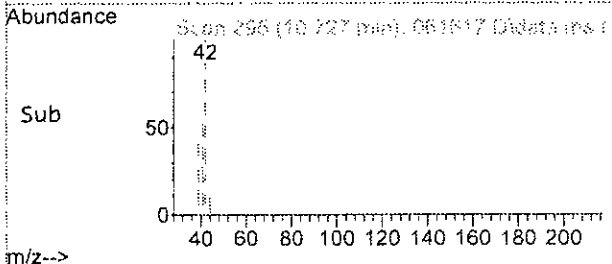
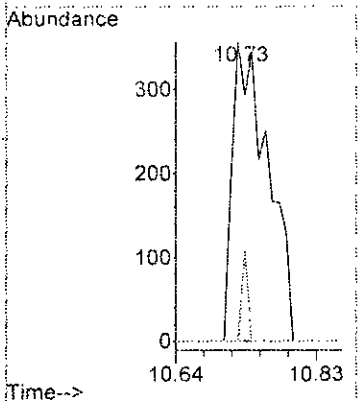
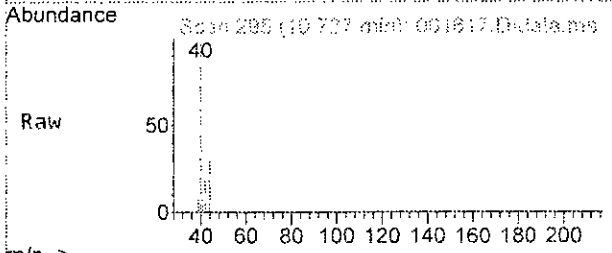
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 500 | | |
| 85 | 64.4 | 36.3 | 96.3 |





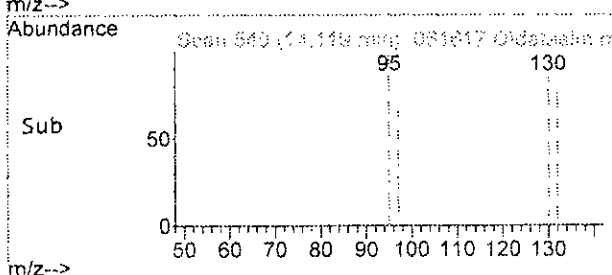
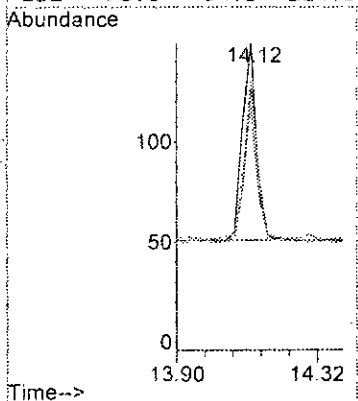
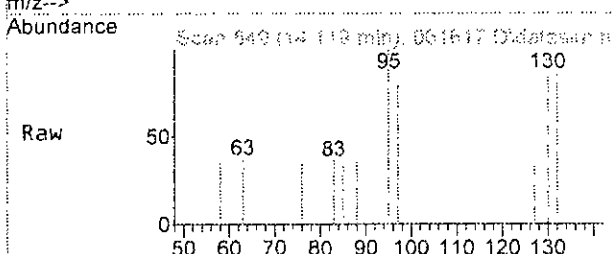
#32
 Tetrahydrofuran
 Concen: 0.337 ppbv
 RT: 10.73 min Scan# 295
 Delta R.T. 0.010 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

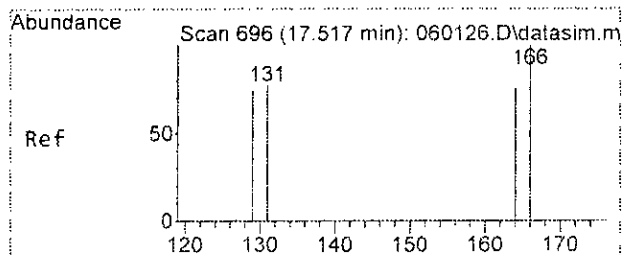
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 42 | 100 | | |
| 72 | 5.1 | 3.7 | 63.7 |



#46
 Trichloroethene
 Concen: 0.062 ppbv
 RT: 14.12 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 100 | | |
| 97 | 66.3 | 37.1 | 97.1 |
| 130 | 84.7 | 56.1 | 116.1 |
| 132 | 78.6 | 54.3 | 114.3 |

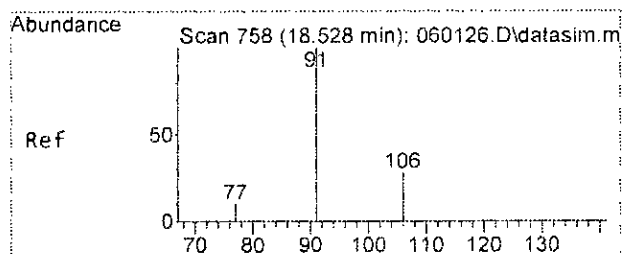
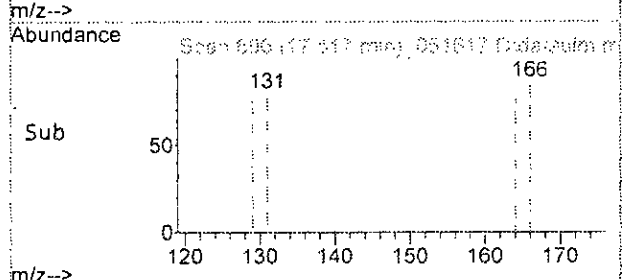
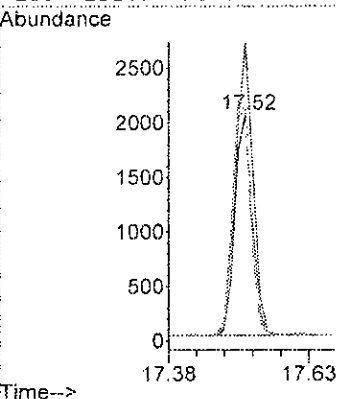
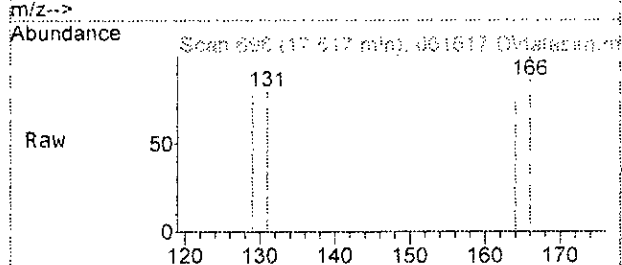




#53
 Tetrachloroethene
 Concen: 1.201 ppbv m
 RT: 17.52 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

Tgt Ion: 164 Resp: 4256

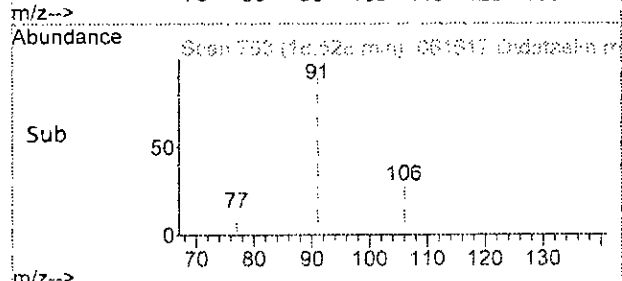
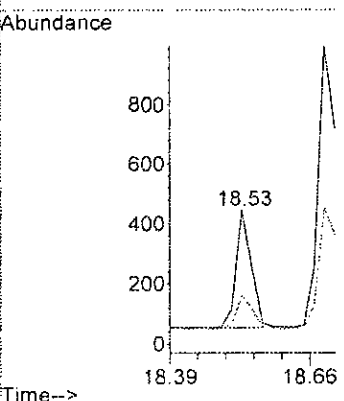
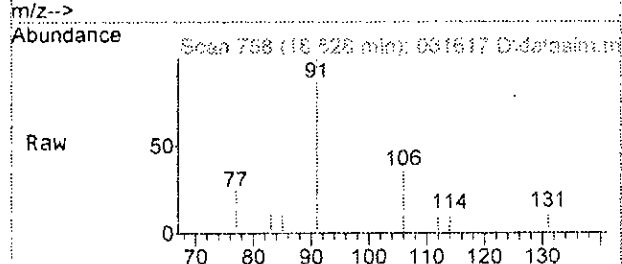
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 129 | 102.7 | 63.2 | 123.2 |
| 131 | 105.5 | 70.7 | 130.7 |
| 166 | 131.7 | 107.5 | 167.5 |

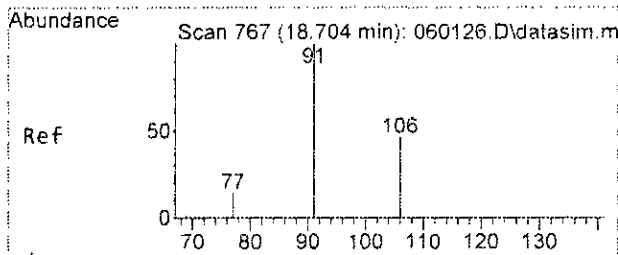


#58
 Ethylbenzene
 Concen: 0.067 ppbv
 RT: 18.53 min Scan# 758
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

Tgt Ion: 91 Resp: 789

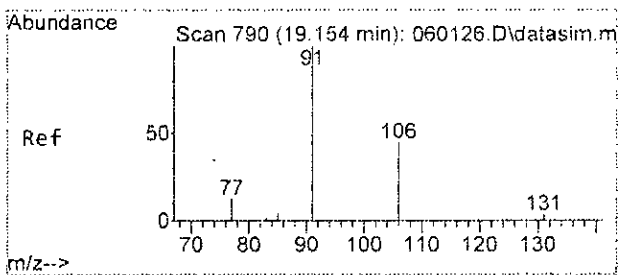
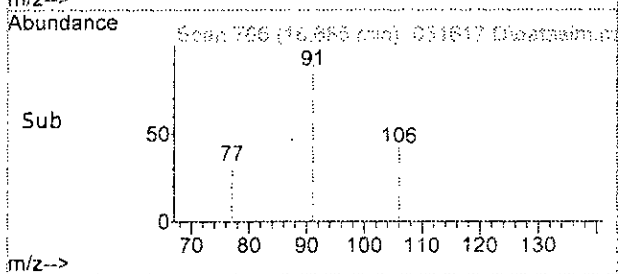
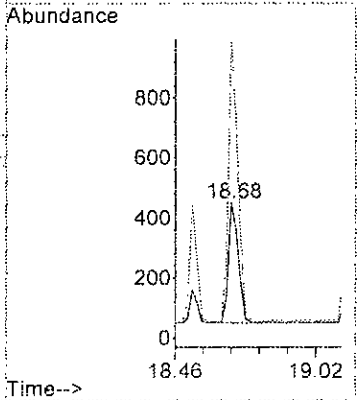
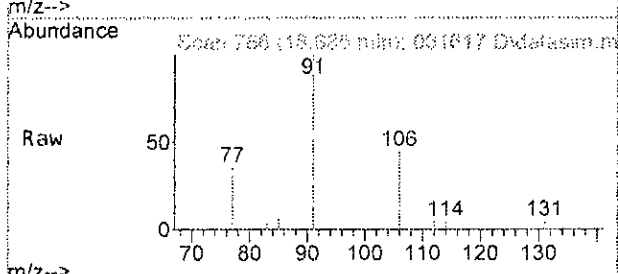
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91 | 100 | | |
| 106 | 27.7 | 0.0 | 57.0 |





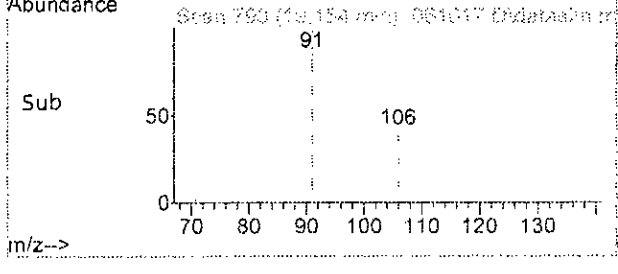
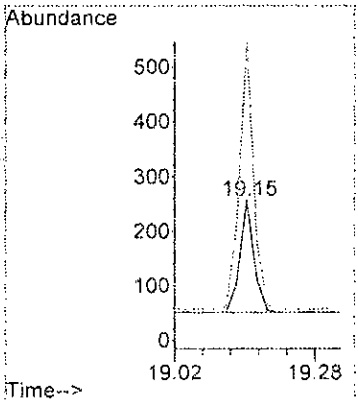
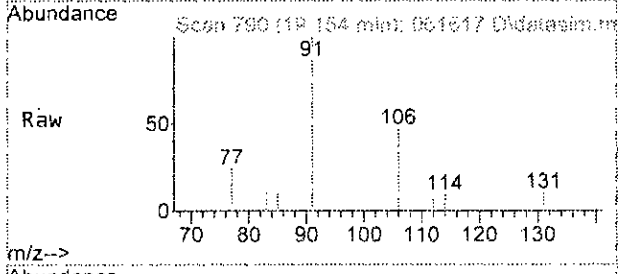
#65
 m,p-Xylene
 Concen: 0.262 ppbv
 RT: 18.68 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

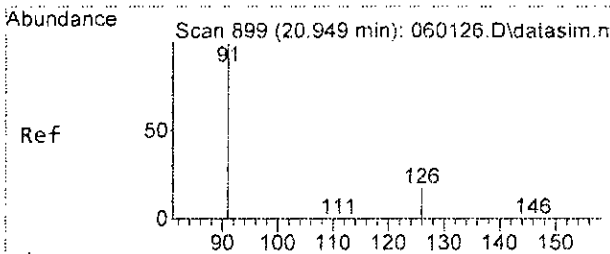
Tgt Ion: 106 Resp: 1110
 Ion Ratio Lower Upper
 106 100
 91 235.9 193.0 253.0



#66
 o-Xylene
 Concen: 0.106 ppbv
 RT: 19.15 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

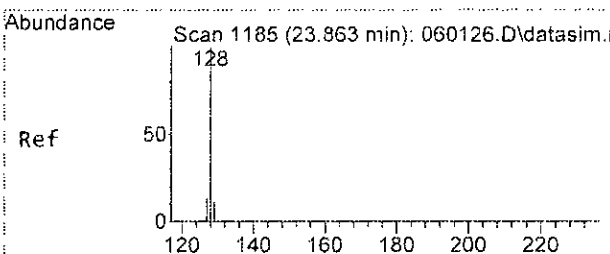
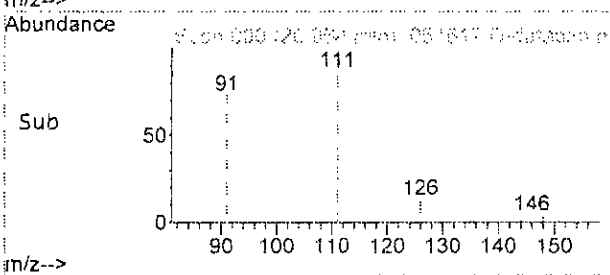
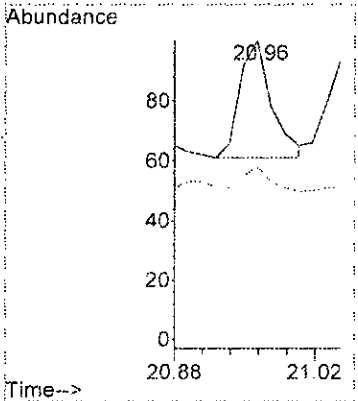
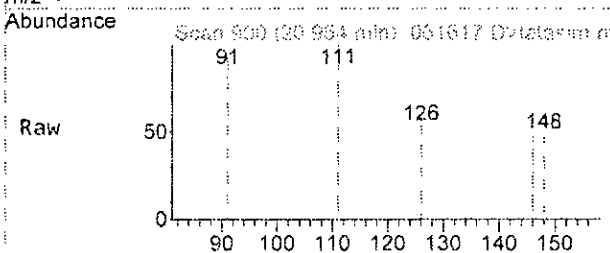
Tgt Ion: 106 Resp: 380
 Ion Ratio Lower Upper
 106 100
 91 238.5 194.4 254.4





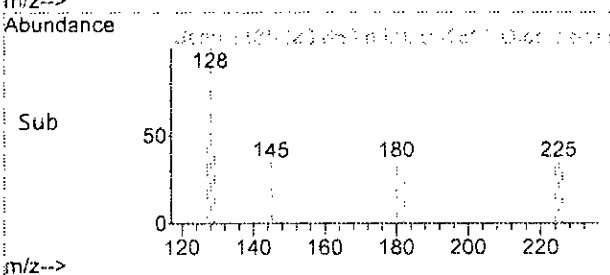
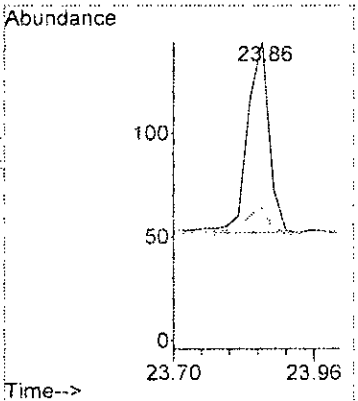
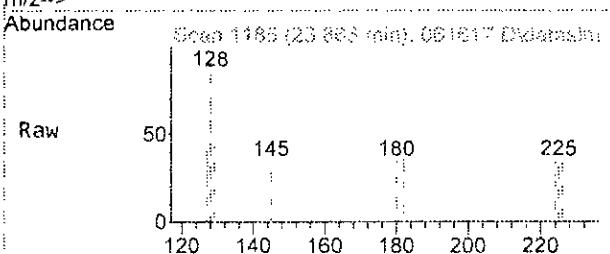
#70
 Benzyl chloride
 Concen: 0.010 ppbv
 RT: 20.96 min Scan# 900
 Delta R.T. 0.015 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 126 | 20.5 | 0.0 | 50.0 |



#77
 Naphthalene
 Concen: 0.029 ppbv
 RT: 23.86 min Scan# 1185
 Delta R.T. -0.000 min
 Lab File: 061617.D
 Acq: 16 Jun 2023 8:22 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 128 | 100 | | |
| 129 | 13.0 | 0.0 | 41.0 |
| 127 | 14.1 | 0.0 | 43.2 |



Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCM57

Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 9.86 | 128 | 19319 | 10.000 | ppbv | # 0.00 |
| 39) 1,4-Difluorobenzene | 13.11 | 114 | 72910 | 10.000 | ppbv | 0.00 |
| 56) Chlorobenzene-d5 | 18.13 | 117 | 68170 | 10.000 | ppbv | 0.00 |

| | | | | | | |
|-----------------------------|--------|----------------|----------|-------|--------|------|
| System Monitoring Compounds | | | | | | |
| 69) 4-Bromofluorobenzene | 19.58 | 95 | 45135 | 9.341 | ppbv | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 93.40% | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) Propene | 0.00 | | 0 | | N.D. | |
| 3) Dichlorodifluoromethane | 3.49 | 85 | 696 | 0.084 | ppbv # | 42 |
| 4) Chloromethane | 3.69 | 50 | 234 | | N.D. | |
| 5) F-114 | 0.00 | | 0 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) 1,3-Butadiene | 0.00 | | 0 | | N.D. | |
| 8) Butane | 0.00 | | 0 | | N.D. | |
| 9) Bromomethane | 0.00 | | 0 | | N.D. | |
| 10) Chloroethane | 0.00 | | 0 | | N.D. | |
| 11) Vinyl bromide | 0.00 | | 0 | | N.D. d | |
| 12) Ethanol | 4.88 | 45 | 94847 | 77.131 | ppbv | 97 |
| 13) Acrolein | 0.00 | | 0 | | N.D. | |
| 14) Pentane | 0.00 | | 0 | | N.D. | |
| 15) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 16) Acetone | 5.57 | 58 | 1043 | | N.D. | |
| 17) 2-Propanol | 5.78 | 45 | 16913 | 2.619 | ppbv # | 100 |
| 18) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 19) trans-1,2-Dichloroethene | 8.07 | 96 | 24 | | N.D. | |
| 20) Methylene chloride | 6.78 | 84 | 1254 | | N.D. | |
| 21) t-Butyl alcohol (TBA) | 6.59 | 59 | 185 | | N.D. | |
| 22) 3-Chloropropene | 0.00 | | 0 | | N.D. | |
| 23) CFC-113 | 0.00 | | 0 | | N.D. | |
| 24) Carbon disulfide | 0.00 | | 0 | | N.D. | |
| 25) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 26) Vinyl acetate | 0.00 | | 0 | | N.D. | |
| 27) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | |
| 28) cis-1,2-Dichloroethene | 9.62 | 96 | 26 | | N.D. | |
| 29) Hexane | 0.00 | | 0 | | N.D. | |
| 30] Chloroform | 10.07 | 83 | 500 | 0.065 | ppbv | 98 |
| 31) Ethyl acetate | 9.92 | 43 | 1402 | | N.D. | |
| 32) Tetrahydrofuran | 10.73 | 42 | 1201 | 0.337 | ppbv | 50 |
| 33) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | |
| 34) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | | N.D. d | |
| 35) 1,1,1-Trichloroethane | 11.53 | 97 | 241 | | N.D. | |
| 36) Carbon tetrachloride | 12.83 | 117 | 94 | | N.D. | |
| 37) Benzene | 12.58 | 78 | 161 | | N.D. | |
| 38) Cyclohexane | 13.11 | 84 | 260 | | N.D. | |
| 40) 1,2-Dichloropropane | 13.77 | 63 | 49 | | N.D. | |

Data Path : D:\Proc_GCMS7\06-16-23\
 Data File : 061617.D
 Acq On : 16 Jun 2023 8:22 pm
 Operator : bat
 Sample : 306242-08 1/5.2
 Misc : T5
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS7

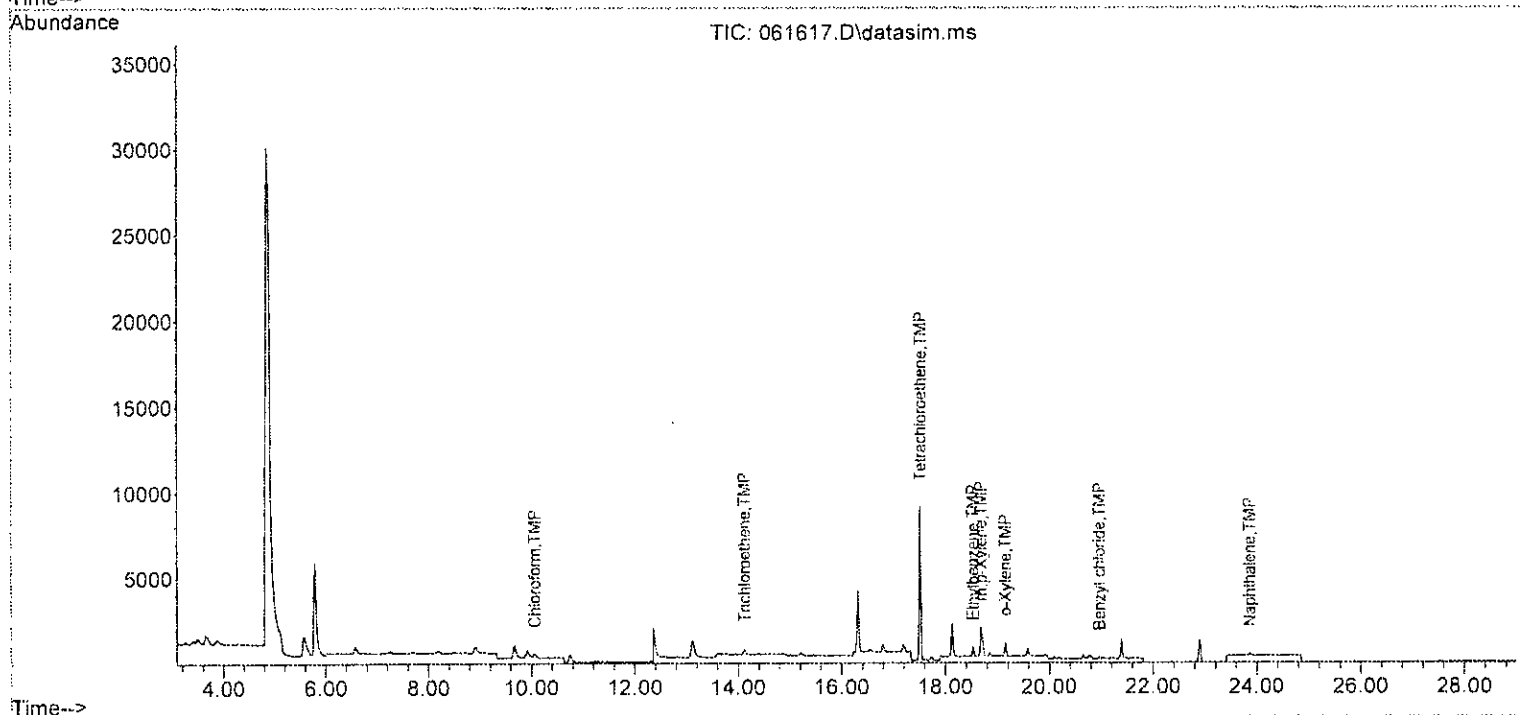
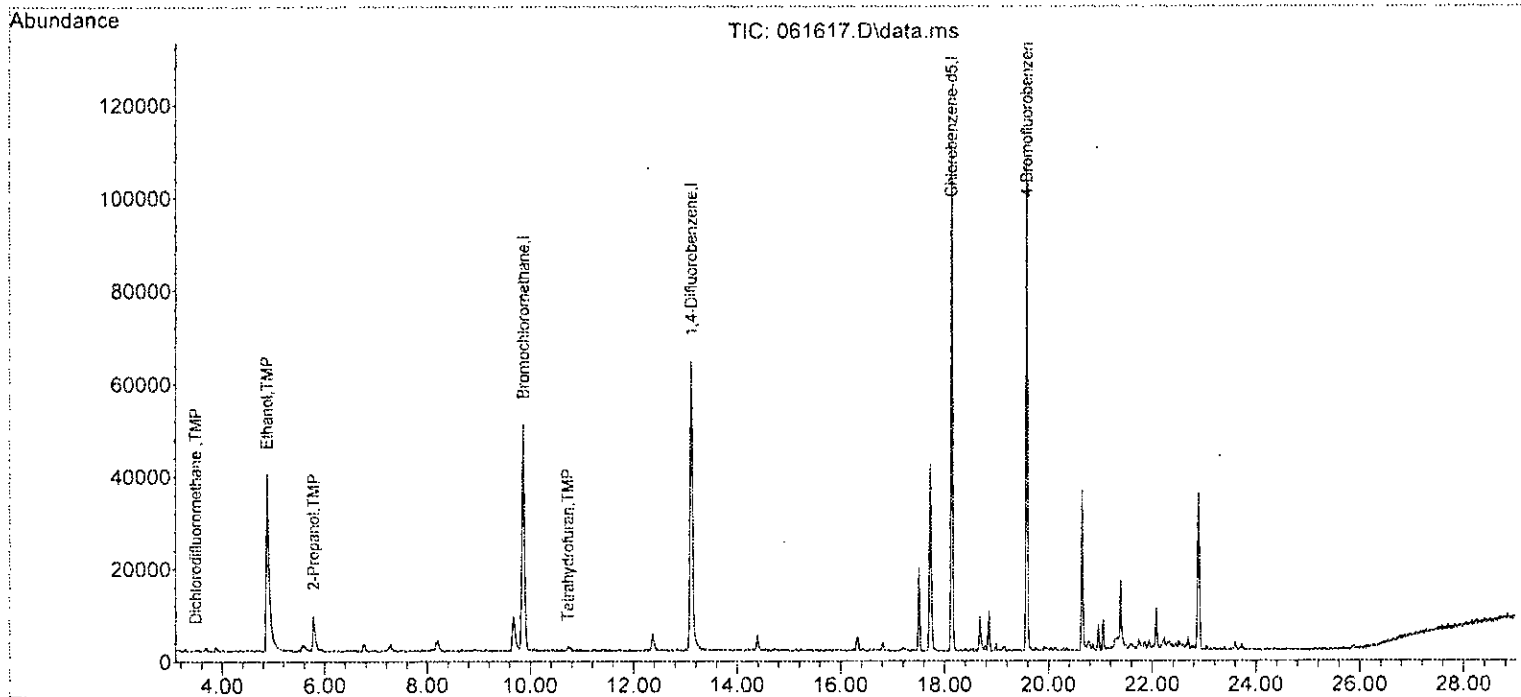
Quant Time: Jun 19 12:50:41 2023
 Quant Method : V:\GCMS7 Methods\0601T015ss7.M
 Quant Title : TO-15 SS method
 QLast Update : Tue Jun 06 12:26:23 2023
 Response via : Initial Calibration
 DataAcq Meth:TO15DC.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 41) 1,4-Dioxane | 0.00 | | 0 | | N.D. | |
| 42) 2,2,4-Trimethylpentane | 0.00 | | 0 | | N.D. | |
| 43) Methyl methacrylate | 14.38 | 41 | 576 | | N.D. | |
| 44) Heptane | 0.00 | | 0 | | N.D. | d |
| 45) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 46] Trichloroethene | 14.12 | 95 | 276 | 0.062 | ppbv | 97 |
| 47) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 48) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 49) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 50) Toluene | 16.31 | 92 | 3530 | | N.D. | |
| 51) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 52) 2-Hexanone | 16.56 | 43 | 225 | | N.D. | |
| 53] Tetrachloroethene | 17.52 | 164 | 4256m | 1.201 | ppbv | |
| 54) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 55) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 57) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 58] Ethylbenzene | 18.53 | 91 | 789 | 0.067 | ppbv | 99 |
| 59) 1,1,2,2-Tetrachloroethane | 19.13 | 83 | 20 | | N.D. | |
| 60) Nonane | 19.32 | 43 | 148 | | N.D. | |
| 61) Isopropylbenzene | 20.04 | 105 | 267 | | N.D. | |
| 62) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 63) Propylbenzene | 20.10 | 91 | 104 | | N.D. | |
| 64) 4-Ethyltoluene | 20.33 | 105 | 112 | | N.D. | |
| 65] m,p-Xylene | 18.68 | 106 | 1110 | 0.262 | ppbv | 92 |
| 66] o-Xylene | 19.15 | 106 | 380 | 0.106 | ppbv | 91 |
| 67) Styrene | 19.05 | 104 | 147 | | N.D. | |
| 68) Bromoform | 0.00 | | 0 | | N.D. | |
| 70] Benzyl chloride | 20.96 | 91 | 91 | 0.010 | ppbv | 99 |
| 71) 1,3,5-Trimethylbenzene | 20.81 | 105 | 597 | | N.D. | |
| 72) 1,2,4-Trimethylbenzene | 20.81 | 105 | 597 | | N.D. | |
| 73) 1,3-Dichlorobenzene | 21.05 | 146 | 26 | | N.D. | |
| 74) 1,4-Dichlorobenzene | 21.05 | 146 | 26 | | N.D. | |
| 75) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 76) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 77] Naphthalene | 23.86 | 128 | 242 | 0.029 | ppbv | 96 |
| 78) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |

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

Data Path : D:\Proc_GCMS7\06-16-23\
Data File : 061617.D
Acq On : 16 Jun 2023 8:22 pm
Operator : bat
Sample : 306242-08 1/5.2
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jun 19 12:50:41 2023
Quant Method : V:\GCMS7 Methods\0601T015ss7.M
Quant Title : TO-15 SS method
QLast Update : Tue Jun 06 12:26:23 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



F&B Project 306243

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

306243

SAMPLE CHAIN OF CUSTODY

6/14/23

VW5

Report To JENNIFER MAP SAUVA

Company ANCHOR O&A

Address 1201 3RD AVE #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 257 9130 Email LAB DATA ATTACH@ANCHORO&A.COM

SAMPLERS (signature) [Signature]

PROJECT NAME
CARSON CLEANERS

REMARKS
SEE S&APP

PROJECT SPECIFIC RIS? (Yes / No)

INVOICE TO
LAB DATA ATTACH@ANCHORO&A.COM

PO #
211280-01.01

Page # 1 of 1

TURNAROUND TIME

Standard turnaround

RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other
Default: Dispose after 30 days

ANALYSES REQUESTED

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Notes |
|----------------------|--------|--------------|--------------|------------------|-----------|----------|----------|---------------|------------|---------------|---------------|---------------|-----------------------------|
| CC-MW-01-GW-20230613 | 01A-C | 6-13-23 | 1320 | H ₂ O | 3 | | | | | X | | | GROUND WATER |
| TB-20230613 | 02A-B | 6-13-23 | 0800 | H ₂ O | 2 | | | | | X | | | TRIP BEHIND |
| CC-MW-20-GW-20230613 | 03A-C | 6-13-23 | 1710 | H ₂ O | 3 | | | | | X | | | 25 = 2 SHALLOW GROUND WATER |
| CC-MW-20-GW-20230613 | 04 | | 1745 | H ₂ O | 3 | | | | | X | | | 20 = 2 DEEP GROUND WATER |
| CC-MW-03-GW-20230613 | 05 | | 1550 | H ₂ O | 3 | | | | | X | | | |
| BP-MW-27-GW-20230613 | 06 | | 1440 | H ₂ O | 3 | | | | | X | | | |
| BP-MW-28-GW-20230613 | 07 | 6-13-23 | 1500 | H ₂ O | 3 | | | | | X | | | GROUND WATER |
| CC-MW-40-GW-20230614 | 08 | 6-14-23 | 1100 | H ₂ O | 3 | | | | | Y | | | 40 = 4 DEEP |
| BP-MW-29-GW-20230614 | 09 | 6-14-23 | 1110 | H ₂ O | 3 | | | | | X | | | |
| MW-25-GW-20230614 | 10 | 6-14-23 | 0755 | H ₂ O | 3 | | | | | X | | | GROUND WATER |

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

RECEIVED BY: [Signature] PRINT NAME: RACHEL F. KERR COMPANY: ANCHOR O&A DATE: 6-14-23 TIME: 15:55

RECEIVED BY: [Signature] PRINT NAME: Dee Dee Welber COMPANY: F+BI DATE: 6/14/23 TIME: 13:55

RECEIVED BY: _____ PRINT NAME: _____ COMPANY: _____ DATE: 2 TIME: _____

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 306243 CLIENT ACQ INITIALS/DATE: DN 6/14

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

Cooler/Sample temperature _____ °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? YES NO

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

Number of days samples have been sitting prior to receipt at laboratory 1 days

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

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

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

| | | | | | |
|--------------|---|-----------------------------|--------------------|---|-----------------------------|
| Sample ID's | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | # of Containers | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Date Sampled | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Relinquished | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Time Sampled | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Requested analysis | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

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

Were appropriate sample containers used? YES NO Unknown

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

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

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

If Yes, number of unused 1L canisters _____
number of unused 6L canisters _____

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

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

HT _____

Project #: 306243
 Client: Anchor
 QC Batch ID: 1453
 Samples checked against COC ✓

Date Received: 6/14/23
 Date Extracted: JUN 20 '23 5:05
 Date Analyzed: _____
 GCMS 4 11 18; Seq. Date _____

| | | | |
|--|--|---|---|
| Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____ | Requested Analytes: <input type="checkbox"/> 8260 Normal List <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters <input checked="" type="checkbox"/> Historical Data Attached | Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> ve's not Acceptable <input checked="" type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF | Extraction Method: <input checked="" type="checkbox"/> 5030 |
| Due Date: <u>6/21</u> | | | |

| Sample ID | pH Lot: 10D3112 | Sample Volume (mL) | Final Volume (mL) | Dilutions | | Dilution Factor | Foamy Sample | Observations |
|--------------------------|-----------------------|--------------------|-------------------|--------------|--------------|-----------------|--------------|---------------|
| | | | | Amt. Extract | Amt. Solvent | | | |
| 01A | <u>6.21</u> | | | <u>430</u> | . mL | <u>1/100</u> | | |
| 02 | | <u>43</u> | <u>43</u> | | | <u>FS</u> | | |
| 03 | | | | | | | | |
| 04 | | | | | | | | |
| 05 | | | | | | | | |
| 06 | | | | | | | | |
| 07 | | | | | | | | |
| 08 | | | | | | | | |
| 09 | | | | | | | | |
| 10 | | | | <u>4.3</u> | | | | |
| Compounds: | | | | | | | | Concentration |
| Vinyl chloride | | | | | | | | ug/L (ppb) |
| trans-1,2-Dichloroethene | | | | | | | | <0.02 |
| cis-1,2-Dichloroethene | | | | | | | | <0.05 |
| Trichloroethene | | | | | | | | <0.05 |
| Tetrachloroethene | | | | | | | | <0.05 |
| <u>-056MS</u> | | | | | | | | |
| Initials _____ | | | | | | | | |

| | ✓ | Volume | Conc. (ppm) | Compound(s) | Lot # | Initials | Date |
|------------------------------------|-------------------------------------|---|-------------|---------------|---------------|----------|-------------|
| Solvent | | NA | NA | DI Water | | | |
| Other | | | | | | | |
| Internal Standard(s)/ Surrogate(s) | | 100 µl | 250 | Surrogate mix | | | |
| | <input checked="" type="checkbox"/> | 10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb | | | <u>68-194</u> | <u>m</u> | <u>6/20</u> |
| | <input type="checkbox"/> | 25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb | | | | | |

Project Leader Initials: MG

NOTES: Tier IV EDD -10 = 1/10

Calculated by LM 6/21/23 Reviewed by YA 06/21/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 6.20.23 Sicll

QA Batch: **03-1453**

Technician: LM

- Matrix**
- Soil
 - Water
 - Product
 - Wipe
 - Other

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

- Analysis**
- Diesel
 - Gas/BTEX
 - HCID
 - 8270 SIM
 - 8270
 - 8260
 - PCB
 - Organic Lead
 - Methamphetamine
 - Other

- Clean Up:** FlorsiL (FL) Copper (Cu) Silica Filtration H₂SO₄ Other

| Sample ID | pH Waters only | Sample Weight/Volume | Extraction Solvent Volume | Final Volume | Dilutions | | Clean Up (Circle) | | | Observations |
|-----------|----------------|----------------------|---------------------------|--------------|--------------|--------------|-------------------|----|----|--------------|
| | | | | | Amt. Extract | Amt. Solvent | Silica | FL | Cu | |
| LCS | | 429 | | 431 | | | | | | |
| LCS/D | | | | | | | | | | |
| MS | | | | | | | | | | |
| MS | | | | | | | | | | |
| 6/20/23 | | | | | | | | | | 306243-05 |
| Initials | | | | | | | | | | |

Samples in Batch

| | | | |
|-----------|-----|-----------|-------|
| 306243-01 | -05 | -09 | |
| -02 | -06 | L -00 | L -03 |
| -03 | -07 | 306279-01 | L -04 |
| -04 | -08 | 1 -02 | -05 |

Matrix Spikes: 8.6 μ L of SU ppm of 8260 LCS/MS
 Amount Concentration Analytes and Solvent

Date/Initials Lot # 69.113 LM 6/20

Matrix Spikes: _____ μ L of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Surrogates: 3 μ L of 10 ppm of 8260 IS/SU
 Amount Concentration Analytes and Solvent

Lot # 68.199

Internal Standards: _____ μ L of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

| | | | |
|------------------|----------|----------------------|--|
| Analysis: | 8260 | Standard(s) spiked: | 68-53, 68-93 |
| Matrix: | Water | Volume spiked: | 17.2 uL (C), 43 uL (C), 8.6 uL (B), 4.3 uL (A) |
| Instrument ID: | GCMS #13 | Date(s) Extracted: | 01/04/23, 01/05/23, 01/18/23, 01/19/23, 01/25/23 |
| Reporting Units: | ug/L | Date(s) Analyzed: | 01/04/23, 01/05/23, 01/18/23, 01/19/23, 01/25/23 |
| | | Date Calculated: | 01/05/23, 01/06/23, 01/19/23, 01/20/23, 01/26/23 |
| | | Calculation Analyst: | LM |

| Analyte | (StdDev*2.998) | (2*MDL) | (5*MDL) | Std Dev | Mean | Spike Level | % Rec. |
|-----------------------------|----------------|---------|---------|---------|-------|-------------|--------|
| | MDL | PQL | PQL | | | | |
| Ethanol | | | | | | | |
| Dichlorodifluoromethane | 0.288 | 0.575 | 1.438 | 0.096 | 0.227 | 0.200 | 113 |
| Chloromethane | 1.055 | 2.110 | 5.274 | 0.352 | 1.856 | 2.000 | 93 |
| Vinyl chloride | 0.012 | 0.024 | 0.060 | 0.004 | 0.024 | 0.020 | 118 |
| Bromomethane | 2.087 | 4.175 | 10.437 | 0.696 | 2.166 | 2.000 | 108 |
| Chloroethane | 0.050 | 0.100 | 0.250 | 0.017 | 0.201 | 0.200 | 100 |
| Trichlorofluoromethane | 0.191 | 0.382 | 0.955 | 0.064 | 0.219 | 0.200 | 109 |
| 2-Propanol | | | | | | | |
| Acetone | 2.866 | 5.731 | 14.328 | 0.956 | 7.504 | 10.000 | 75 |
| 1,1-Dichloroethene | 0.021 | 0.042 | 0.106 | 0.007 | 0.049 | 0.050 | 97 |
| Hexane | 0.166 | 0.332 | 0.829 | 0.055 | 0.216 | 0.200 | 108 |
| Methylene chloride | 0.823 | 1.646 | 4.115 | 0.275 | 2.641 | 2.000 | 132 |
| t-Butyl alcohol (TBA) | 4.474 | 8.949 | 22.371 | 1.492 | 8.588 | 10.000 | 86 |
| Methyl t-butyl ether (MTBE) | 0.014 | 0.029 | 0.072 | 0.005 | 0.047 | 0.050 | 94 |
| trans-1,2-Dichloroethene | 0.016 | 0.031 | 0.078 | 0.005 | 0.053 | 0.050 | 105 |
| Diisopropyl ether (DIPE) | 0.096 | 0.193 | 0.482 | 0.032 | 0.207 | 0.200 | 103 |
| 1,1-Dichloroethane | 0.017 | 0.034 | 0.084 | 0.006 | 0.052 | 0.050 | 104 |
| Ethyl t-butyl ether (ETBE) | 0.176 | 0.351 | 0.878 | 0.059 | 0.202 | 0.200 | 101 |
| 2,2-Dichloropropane | 0.325 | 0.651 | 1.627 | 0.109 | 0.104 | 0.200 | 52 |
| cis-1,2-Dichloroethene | 0.020 | 0.039 | 0.099 | 0.007 | 0.049 | 0.050 | 98 |
| Chloroform | 0.182 | 0.363 | 0.908 | 0.061 | 0.217 | 0.200 | 108 |
| 2-Butanone (MEK) | 1.863 | 3.727 | 9.317 | 0.622 | 7.630 | 10.000 | 76 |
| t-Amyl methyl ether (TAME) | 0.115 | 0.230 | 0.575 | 0.038 | 0.214 | 0.200 | 107 |
| 1,2-Dichloroethane (EDC) | 0.037 | 0.074 | 0.185 | 0.012 | 0.201 | 0.200 | 101 |
| 1,1,1-Trichloroethane | 0.017 | 0.035 | 0.087 | 0.006 | 0.050 | 0.050 | 100 |
| 1,1-Dichloropropene | 0.123 | 0.246 | 0.616 | 0.041 | 0.223 | 0.200 | 111 |
| Carbon tetrachloride | 0.159 | 0.317 | 0.794 | 0.053 | 0.203 | 0.200 | 101 |
| Benzene | 0.019 | 0.038 | 0.095 | 0.006 | 0.049 | 0.050 | 98 |
| Trichloroethene | 0.030 | 0.061 | 0.152 | 0.010 | 0.048 | 0.050 | 95 |
| 1,2-Dichloropropane | 0.236 | 0.473 | 1.182 | 0.079 | 0.235 | 0.200 | 117 |
| Bromodichloromethane | 0.200 | 0.401 | 1.001 | 0.067 | 0.201 | 0.200 | 101 |
| Dibromomethane | 0.125 | 0.249 | 0.623 | 0.042 | 0.213 | 0.200 | 106 |
| 4-Methyl-2-pentanone | 3.428 | 6.855 | 17.138 | 1.143 | 8.612 | 10.000 | 86 |
| cis-1,3-Dichloropropene | 0.150 | 0.299 | 0.748 | 0.050 | 0.168 | 0.200 | 84 |
| Toluene | 0.062 | 0.123 | 0.308 | 0.021 | 0.054 | 0.050 | 107 |
| trans-1,3-Dichloropropene | 0.117 | 0.235 | 0.587 | 0.039 | 0.183 | 0.200 | 92 |
| 1,1,2-Trichloroethane | 0.084 | 0.168 | 0.421 | 0.028 | 0.223 | 0.200 | 112 |
| 2-Hexanone | 3.665 | 7.329 | 18.324 | 1.222 | 9.012 | 10.000 | 90 |
| 1,3-Dichloropropane | 0.115 | 0.230 | 0.576 | 0.038 | 0.239 | 0.200 | 119 |
| Tetrachloroethene | 0.043 | 0.086 | 0.214 | 0.014 | 0.046 | 0.050 | 92 |
| Dibromochloromethane | 0.206 | 0.413 | 1.031 | 0.069 | 0.210 | 0.200 | 105 |
| 1,2-Dibromoethane (EDB) | 0.004 | 0.007 | 0.019 | 0.001 | 0.023 | 0.020 | 114 |
| Chlorobenzene | 0.100 | 0.200 | 0.499 | 0.033 | 0.219 | 0.200 | 109 |
| Ethylbenzene | 0.023 | 0.046 | 0.116 | 0.008 | 0.022 | 0.020 | 108 |
| 1,1,1,2-Tetrachloroethane | 0.157 | 0.314 | 0.786 | 0.052 | 0.224 | 0.200 | 112 |
| m,p-Xylene | 0.044 | 0.087 | 0.218 | 0.015 | 0.043 | 0.040 | 108 |
| o-Xylene | 0.023 | 0.047 | 0.117 | 0.008 | 0.019 | 0.020 | 94 |
| Styrene | 0.171 | 0.342 | 0.855 | 0.057 | 0.149 | 0.200 | 74 |
| Isopropylbenzene | 0.032 | 0.063 | 0.158 | 0.011 | 0.207 | 0.200 | 104 |
| Bromoform | 0.169 | 0.338 | 0.844 | 0.056 | 0.213 | 0.200 | 107 |
| n-Propylbenzene | 0.101 | 0.203 | 0.507 | 0.034 | 0.217 | 0.200 | 109 |
| Bromobenzene | 0.195 | 0.389 | 0.973 | 0.065 | 0.233 | 0.200 | 116 |
| 1,3,5-Trimethylbenzene | 0.044 | 0.087 | 0.218 | 0.015 | 0.201 | 0.200 | 101 |
| 1,1,1,2-Tetrachloroethane | 0.172 | 0.344 | 0.860 | 0.057 | 0.260 | 0.200 | 130 |
| 1,2,3-Trichloropropane | 0.010 | 0.019 | 0.048 | 0.003 | 0.032 | 0.050 | 65 |
| 2-Chlorotoluene | 0.259 | 0.518 | 1.294 | 0.086 | 0.178 | 0.200 | 89 |
| 4-Chlorotoluene | 0.098 | 0.196 | 0.490 | 0.033 | 0.219 | 0.200 | 109 |
| tert-Butylbenzene | 0.055 | 0.110 | 0.276 | 0.018 | 0.210 | 0.200 | 105 |
| 1,2,4-Trimethylbenzene | 0.084 | 0.169 | 0.422 | 0.028 | 0.205 | 0.200 | 103 |
| sec-Butylbenzene | 0.075 | 0.150 | 0.376 | 0.025 | 0.195 | 0.200 | 97 |
| p-Isopropyltoluene | 0.068 | 0.137 | 0.342 | 0.023 | 0.195 | 0.200 | 97 |
| 1,3-Dichlorobenzene | 0.112 | 0.223 | 0.558 | 0.037 | 0.224 | 0.200 | 112 |
| 1,4-Dichlorobenzene | 0.133 | 0.265 | 0.663 | 0.044 | 0.236 | 0.200 | 118 |
| 1,2-Dichlorobenzene | 0.123 | 0.246 | 0.615 | 0.041 | 0.222 | 0.200 | 111 |
| 1,2-Dibromo-3-chloropropane | 0.795 | 1.591 | 3.977 | 0.265 | 1.799 | 2.000 | 90 |
| 1,2,4-Trichlorobenzene | 0.226 | 0.452 | 1.130 | 0.075 | 0.224 | 0.200 | 112 |
| Hexachlorobutadiene | 0.285 | 0.570 | 1.426 | 0.095 | 0.240 | 0.200 | 120 |
| Naphthalene | 0.191 | 0.382 | 0.956 | 0.064 | 0.173 | 0.200 | 87 |
| 1,2,3-Trichlorobenzene | 0.206 | 0.412 | 1.030 | 0.069 | 0.212 | 0.200 | 106 |

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS13\sequence\06-20-23.sequence.xml

Comment:

Operator: MD

ALW6/21

Data Path: D:\GCMS13\GCMS13_Data\06-20-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

| Line | Type | ALS | File | Method | Sample Name/Misc Info |
|------|--------|-----|--------|----------|-------------------------|
| 1) | Sample | 100 | 062001 | VM040623 | rinse |
| 2) | Sample | 100 | 062002 | VM040623 | rinse |
| 3) | Sample | 1 | 062003 | VM040623 | 10 ppb 8260 CCV 69-113N |
| 4) | Sample | 2 | 062004 | VM040623 | 03-1453 lcs |
| 5) | Sample | 3 | 062005 | VM040623 | 03-1453 lcsd |
| 6) | Sample | 100 | 062006 | VM040623 | rinse |
| 7) | Sample | 4 | 062007 | VM040623 | 03-1453 mb |
| 8) | Sample | 5 | 062008 | VM040623 | 03-1452 mb 1/0.5 |
| 9) | Sample | 6 | 062009 | VM040623 | 306243-05 ms |
| 10) | Sample | 100 | 062010 | VM040623 | rinse |
| 11) | Sample | 100 | 062011 | VM040623 | rinse |
| 12) | Sample | 7 | 062012 | VM040623 | 306243-02 |
| 13) | Sample | 8 | 062013 | VM040623 | 306279-01 |
| 14) | Sample | 9 | 062014 | VM040623 | 306279-02 |
| 15) | Sample | 10 | 062015 | VM040623 | 306279-03 |
| 16) | Sample | 11 | 062016 | VM040623 | 306279-04 |
| 17) | Sample | 12 | 062017 | VM040623 | 306279-05 |
| 18) | Sample | 13 | 062018 | VM040623 | 306240-01 rr |
| 19) | Sample | 14 | 062019 | VM040623 | 306243-05 |
| 20) | Sample | 15 | 062020 | VM040623 | 306243-08 |
| 21) | Sample | 16 | 062021 | VM040623 | 306243-09 |
| 22) | Sample | 17 | 062022 | VM040623 | 306243-03 |
| 23) | Sample | 18 | 062023 | VM040623 | 306243-04 |
| 24) | Sample | 19 | 062024 | VM040623 | 306243-06 |
| 25) | Sample | 20 | 062025 | VM040623 | 306243-07 |
| 26) | Sample | 21 | 062026 | VM040623 | 306243-10 1/10 |
| 27) | Sample | 22 | 062027 | VM040623 | 306243-01 1/100 |

Injection Log

Data Directory: Y:\Proc_GCMS13\06-20-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|-------------------------------------|-----------------------|------|------------|----------------------|
| 1) 062001.D rinse | VM040623.M | 100 | 1.000 | 20 Jun 2023 06:06 am |
| 2) 062002.D rinse | VM040623.M | 100 | 1.000 | 20 Jun 2023 06:30 am |
| 3) 062003.D 10 ppb 8260 CCV 69.. | soil/water VM040623.M | 1 | 1.000 | 20 Jun 2023 06:53 am |
| 4) 062004.D 03-1453 lcs | water VM040623.M | 2 | 1.000 | 20 Jun 2023 07:16 am |
| 5) 062005.D 03-1453 lcsd | water VM040623.M | 3 | 1.000 | 20 Jun 2023 07:40 am |
| 6) 062006.D rinse | VM040623.M | 100 | 1.000 | 20 Jun 2023 08:03 am |
| 7) 062007.D 03-1453 mb | water VM040623.M | 4 | 1.000 | 20 Jun 2023 08:26 am |
| 8) 062008.D 03-1452 mb 1/0.5 | soil VM040623.M | 5 | 1.000 | 20 Jun 2023 08:49 am |
| 9) 062009.D 306243-05 ms | water VM040623.M | 6 | 1.000 | 20 Jun 2023 09:35 am |
| 10) 062010.D rinse | water VM040623.M | 100 | 1.000 | 20 Jun 2023 09:58 am |
| 11) 062011.D rinse | water VM040623.M | 100 | 1.000 | 20 Jun 2023 10:21 am |
| 12) 062012.D 306243-02 | water VM040623.M | 7 | 1.000 | 20 Jun 2023 10:44 am |
| 13) 062013.D 306279-01 | water VM040623.M | 8 | 1.000 | 20 Jun 2023 11:08 am |
| 14) 062014.D 306279-02 | water VM040623.M | 9 | 1.000 | 20 Jun 2023 11:31 am |
| 15) 062015.D 306279-03 | water VM040623.M | 10 | 1.000 | 20 Jun 2023 11:55 am |
| 16) 062016.D 306279-04 | water VM040623.M | 11 | 1.000 | 20 Jun 2023 12:18 pm |
| 17) 062017.D 306279-05 | water VM040623.M | 12 | 1.000 | 20 Jun 2023 12:42 pm |
| 18) 062018.D 306240-01 rr | water VM040623.M | 13 | 1.000 | 20 Jun 2023 01:05 pm |
| 19) 062019.D 306243-05 | water VM040623.M | 14 | 1.000 | 20 Jun 2023 01:28 pm |
| 20) 062020.D 306243-08 | water VM040623.M | 15 | 1.000 | 20 Jun 2023 01:52 pm |
| 21) 062021.D | VM040623.M | | | |

| | | | | | | |
|-----------------|-------|------------|----|-------|-------------|----------|
| 306243-09 | water | | 16 | 1.000 | 20 Jun 2023 | 02:15 pm |
| 22) 062022.D | | VM040623.M | | | | |
| 306243-03 | water | | 17 | 1.000 | 20 Jun 2023 | 02:38 pm |
| 23) 062023.D | | VM040623.M | | | | |
| 306243-04 | water | | 18 | 1.000 | 20 Jun 2023 | 03:01 pm |
| 24) 062024.D | | VM040623.M | | | | |
| 306243-06 | water | | 19 | 1.000 | 20 Jun 2023 | 03:25 pm |
| 25) 062025.D | | VM040623.M | | | | |
| 306243-07 | water | | 20 | 1.000 | 20 Jun 2023 | 03:48 pm |
| 26) 062026.D | | VM040623.M | | | | |
| 306243-10 1/10 | water | | 21 | 1.000 | 20 Jun 2023 | 04:11 pm |
| 27) 062027.D | | VM040623.M | | | | |
| 306243-01 1/100 | water | | 22 | 1.000 | 20 Jun 2023 | 04:34 pm |

Sequence Name: D:\GCMS13\sequence\06-15-23.sequence.xml

Comment:

Operator: MD

AWB6/16

Data Path: D:\GCMS13\GCMS13_Data\06-15-23\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

| Line | Type | ALS | File | Method | Sample Name/Misc Info |
|------|--------|-----|--------|----------|-----------------------------|
| 1) | Sample | 100 | 061501 | DX082322 | rinse |
| 2) | Sample | 100 | 061502 | DX082322 | rinse |
| 3) | Sample | 1 | 061503 | DX082322 | 2 ppb DIOX CCV 69-111f |
| 4) | Sample | 100 | 061504 | DX082322 | rinse |
| 5) | Sample | 100 | 061505 | DX082322 | rinse |
| 6) | Sample | 2 | 061506 | DX082322 | 03-1441 mb |
| 7) | Sample | 3 | 061507 | DX082322 | 03-1442 mb |
| 8) | Sample | 4 | 061508 | DX082322 | MCL2GCMS13_1442S_VOC1,4D |
| 9) | Sample | 5 | 061509 | DX082322 | MCL2GCMS13_1441w_VOC1,4D |
| 10) | Sample | 6 | 061510 | DX082322 | MCL2GCMS13_1442S_VOC1,4D rr |
| 11) | Sample | 100 | 061511 | VM040623 | rinse |
| 12) | Sample | 100 | 061512 | VM040623 | rinse |
| 13) | Sample | 100 | 061513 | VM040623 | rinse |
| 14) | Sample | 7 | 061514 | VM040623 | 0.02 ppb test |
| 15) | Sample | 100 | 061515 | VM040623 | 50 ng BFB 69-21a |
| 16) | Sample | 100 | 061516 | VM040623 | rinse |
| 17) | Sample | 100 | 061517 | VM040623 | rinse |
| 18) | Sample | 100 | 061518 | VM040623 | rinse |
| 19) | Sample | 100 | 061519 | VM040623 | rinse |
| 20) | Sample | 100 | 061520 | VM040623 | rinse |
| 21) | Sample | 8 | 061521 | VM040623 | 0.01 ppb 8260 ICAL 69-113e |
| 22) | Sample | 9 | 061522 | VM040623 | 0.02 ppb 8260 ICAL 69-113f |
| 23) | Sample | 10 | 061523 | VM040623 | 0.04 ppb 8260 ICAL 69-113g |
| 24) | Sample | 11 | 061524 | VM040623 | 0.1 ppb 8260 ICAL 69-113h |
| 25) | Sample | 12 | 061525 | VM040623 | 0.2 ppb 8260 ICAL 69-113i |
| 26) | Sample | 13 | 061526 | VM040623 | 0.5 ppb 8260 ICAL 69-113j |
| 27) | Sample | 14 | 061527 | VM040623 | 1 ppb 8260 ICAL 69-113k |
| 28) | Sample | 15 | 061528 | VM040623 | 2 ppb 8260 ICAL 69-113l |
| 29) | Sample | 16 | 061529 | VM040623 | 5 ppb 8260 ICAL 69-113m |
| 30) | Sample | 17 | 061530 | VM040623 | 10 ppb 8260 ICAL 69-113n |
| 31) | Sample | 18 | 061531 | VM040623 | 20 ppb 8260 ICAL 69-113o |
| 32) | Sample | 19 | 061532 | VM040623 | 50 ppb 8260 ICAL 69-113q |
| 33) | Sample | 20 | 061533 | VM040623 | 100 ppb 8260 ICAL 69-113s |
| 34) | Sample | 21 | 061534 | VM040623 | 150 ppb 8260 ICAL 69-113t |
| 35) | Sample | 22 | 061535 | VM040623 | 200 ppb 8260 ICAL 69-113u |
| 36) | Sample | 23 | 061536 | VM040623 | rinse |
| 37) | Sample | 24 | 061537 | VM040623 | 10 ppb 8260 SCV 69-115c |
| 38) | Sample | 100 | 061538 | VM040623 | rinse |
| 39) | Sample | 100 | 061539 | VM040623 | rinse |
| 40) | Sample | 100 | 061540 | VM040623 | rinse |

Injection Log

Data Directory: Y:\Proc_GCMS13\06-15-23\

| SampleName | MiscInfo | Vial | Multiplier | Injection Time |
|--|--------------------------|------|------------|----------------------|
| 1) 061501.D rinse | DX082322.M | 100 | 1.000 | 15 Jun 2023 07:18 am |
| 2) 061502.D rinse | DX082322.M | 100 | 1.000 | 15 Jun 2023 07:41 am |
| 3) 061503.D 2 ppb DIOX CCV 69-.. soil/water | DX082322.M | 1 | 1.000 | 15 Jun 2023 08:15 am |
| 4) 061504.D rinse | DX082322.M | 100 | 1.000 | 15 Jun 2023 08:37 am |
| 5) 061505.D rinse | DX082322.M | 100 | 1.000 | 15 Jun 2023 09:00 am |
| 6) 061506.D 03-1441 mb | DX082322.M water | 2 | 1.000 | 15 Jun 2023 09:23 am |
| 7) 061507.D 03-1442 mb | DX082322.M soil | 3 | 1.000 | 15 Jun 2023 09:46 am |
| 8) 061508.D MCL2GCMS13_1442S_V.. soil | DX082322.M | 4 | 1.000 | 15 Jun 2023 10:08 am |
| 9) 061509.D MCL2GCMS13_1441w_V.. water | DX082322.M | 5 | 1.000 | 15 Jun 2023 10:31 am |
| 10) 061510.D MCL2GCMS13_1442S_V.. soil | DX082322.M | 6 | 1.000 | 15 Jun 2023 10:54 am |
| 11) 061511.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 11:24 am |
| 12) 061512.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 12:08 pm |
| 13) 061513.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 12:37 pm |
| 14) 061514.D 0.02 ppb test | VM040623.M soil/water | 7 | 1.000 | 15 Jun 2023 01:07 pm |
| 15) 061515.D 50 ng BFB 69-21a | VM040623.M direct inj | 100 | 1.000 | 15 Jun 2023 01:29 pm |
| 16) 061516.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 01:59 pm |
| 17) 061517.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 02:22 pm |
| 18) 061518.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 02:45 pm |
| 19) 061519.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 03:08 pm |
| 20) 061520.D rinse | VM040623.M soil/water | 100 | 1.000 | 15 Jun 2023 03:31 pm |
| 21) 061521.D | VM040623.M | | | |

| | | | | | |
|---------------------------------|------------|-----|-------|-------------|----------|
| 0.01 ppb 8260 ICAL.. soil/water | VM040623.M | 8 | 1.000 | 15 Jun 2023 | 03:54 pm |
| 22) 061522.D | VM040623.M | | | | |
| 0.02 ppb 8260 ICAL.. soil/water | | 9 | 1.000 | 15 Jun 2023 | 04:18 pm |
| 23) 061523.D | VM040623.M | | | | |
| 0.04 ppb 8260 ICAL.. soil/water | | 10 | 1.000 | 15 Jun 2023 | 04:41 pm |
| 24) 061524.D | VM040623.M | | | | |
| 0.1 ppb 8260 ICAL .. soil/water | | 11 | 1.000 | 15 Jun 2023 | 05:04 pm |
| 25) 061525.D | VM040623.M | | | | |
| 0.2 ppb 8260 ICAL .. soil/water | | 12 | 1.000 | 15 Jun 2023 | 05:28 pm |
| 26) 061526.D | VM040623.M | | | | |
| 0.5 ppb 8260 ICAL .. soil/water | | 13 | 1.000 | 15 Jun 2023 | 05:51 pm |
| 27) 061527.D | VM040623.M | | | | |
| 1 ppb 8260 ICAL 69.. soil/water | | 14 | 1.000 | 15 Jun 2023 | 06:15 pm |
| 28) 061528.D | VM040623.M | | | | |
| 2 ppb 8260 ICAL 69.. soil/water | | 15 | 1.000 | 15 Jun 2023 | 06:38 pm |
| 29) 061529.D | VM040623.M | | | | |
| 5 ppb 8260 ICAL 69.. soil/water | | 16 | 1.000 | 15 Jun 2023 | 07:01 pm |
| 30) 061530.D | VM040623.M | | | | |
| 10 ppb 8260 ICAL 6.. soil/water | | 17 | 1.000 | 15 Jun 2023 | 07:25 pm |
| 31) 061531.D | VM040623.M | | | | |
| 20 ppb 8260 ICAL 6.. soil/water | | 18 | 1.000 | 15 Jun 2023 | 07:48 pm |
| 32) 061532.D | VM040623.M | | | | |
| 50 ppb 8260 ICAL 6.. soil/water | | 19 | 1.000 | 15 Jun 2023 | 08:11 pm |
| 33) 061533.D | VM040623.M | | | | |
| 100 ppb 8260 ICAL .. soil/water | | 20 | 1.000 | 15 Jun 2023 | 08:35 pm |
| 34) 061534.D | VM040623.M | | | | |
| 150 ppb 8260 ICAL .. soil/water | | 21 | 1.000 | 15 Jun 2023 | 08:58 pm |
| 35) 061535.D | VM040623.M | | | | |
| 200 ppb 8260 ICAL .. soil/water | | 22 | 1.000 | 15 Jun 2023 | 09:22 pm |
| 36) 061536.D | VM040623.M | | | | |
| rinse soil/water | | 23 | 1.000 | 15 Jun 2023 | 09:45 pm |
| 37) 061537.D | VM040623.M | | | | |
| 10 ppb 8260 SCV 69.. soil/water | | 24 | 1.000 | 15 Jun 2023 | 10:08 pm |
| 38) 061538.D | VM040623.M | | | | |
| rinse soil/water | | 100 | 1.000 | 15 Jun 2023 | 10:31 pm |
| 39) 061539.D | VM040623.M | | | | |
| rinse soil/water | | 100 | 1.000 | 15 Jun 2023 | 10:54 pm |
| 40) 061540.D | VM040623.M | | | | |
| rinse soil/water | | 100 | 1.000 | 15 Jun 2023 | 11:17 pm |

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 6.15.23

Shift # 2

| Item | Initial | Date |
|--|-------------|-------------|
| Shift and Batch | | |
| Initial Calibration Analyzed, Evaluated and Passed | ✓ <u>MS</u> | <u>6/16</u> |
| 2 nd source passed | ✓ | |
| Analyte retention time checked | ✓ | |
| Tune passed | ✓ | |
| Non-Conformance Report filled out (if needed) | <u>NA</u> | |

Notes: _____

Attach this sheet to raw data package.

YA 06/13/23
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 6.20.23

Shift # 1

| Item | Initial | Date |
|--|---------------------|------|
| Shift and Batch | | |
| All samples analyzed within 12 hour shift | ✓ <i>W</i> | 6/21 |
| Internal Standards within limits (50-200% of the CCVs) | ✓ | |
| Surrogate recoveries within limits | ✓ | |
| Laboratory control sample (LCS) recoveries within limits | ✓ | |
| Matrix spike (MS) analyzed | ✓ | |
| RPDs within limits | ✓ | |
| Continuing Calibration Analyzed, Evaluated and Passed | <i>Bromonethane</i> | |
| Non-Conformance Report filled out (if needed) | | |

Notes: _____

Attach this sheet to raw data package.

YA 06/21/23
Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\06-20-23\062003.D

Tune Time : 20 Jun 2023 06:53 am

Daily Calibration File : Y:\Proc_GCMS13\06-20-23\062003.D

(DMF) (DHL) (TOL) (BFB)

85564 73015 39463

| File | Sample | Surrogate Recovery % | | | | Internal Standard Responses | | |
|----------|------------|----------------------|-----|-----|-----|-----------------------------|-------|-------|
| 062004.D | 03-1453 lc | 100 | 102 | 101 | 98 | 83764 | 69364 | 38636 |
| 062005.D | 03-1453 lc | 99 | 108 | 99 | 100 | 85439 | 71684 | 39174 |
| 062007.D | 03-1453 mb | 97 | 94 | 96 | 97 | 87424 | 69615 | 38062 |
| 062009.D | 306243-05 | 90 | 92 | 89 | 100 | 97374 | 71010 | 39408 |
| 062012.D | 306243-02 | 98 | 91 | 98 | 97 | 86788 | 71237 | 39737 |
| 062013.D | 306279-01 | 90 | 84 | 89 | 101 | 94813 | 71271 | 38643 |
| 062014.D | 306279-02 | 99 | 102 | 99 | 102 | 86483 | 72158 | 37875 |
| 062015.D | 306279-03 | 104 | 99 | 100 | 104 | 84340 | 71222 | 37272 |
| 062016.D | 306279-04 | 93 | 96 | 89 | 96 | 93914 | 71259 | 38262 |
| 062017.D | 306279-05 | 92 | 87 | 91 | 105 | 93592 | 71803 | 36969 |
| 062018.D | 306240-01 | 101 | 99 | 99 | 101 | 83054 | 69045 | 38592 |
| 062019.D | 306243-05 | 99 | 100 | 98 | 102 | 85194 | 68826 | 37232 |
| 062020.D | 306243-08 | 100 | 102 | 100 | 97 | 85167 | 70932 | 38153 |
| 062021.D | 306243-09 | 103 | 98 | 103 | 100 | 82039 | 68736 | 37258 |
| 062022.D | 306243-03 | 100 | 102 | 99 | 102 | 82579 | 68636 | 36571 |
| 062023.D | 306243-04 | 103 | 100 | 97 | 99 | 82988 | 68265 | 37200 |
| 062024.D | 306243-06 | 100 | 103 | 102 | 101 | 81201 | 68022 | 36694 |
| 062025.D | 306243-07 | 99 | 97 | 98 | 98 | 80631 | 67476 | 36902 |
| 062026.D | 306243-10 | 100 | 91 | 97 | 97 | 79061 | 65005 | 35564 |

062027.D

306243-01 106 108 99 98 80572 65603 35733

(fails) - fails 12hr time check * - fails criteria

Created: Wed Jun 21 08:24:34 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\06-15-23\061515.D
 Tune Time : 15 Jun 2023 01:29 pm

Daily Calibration File : Y:\Proc_GCMS13\06-15-23\061530.D

(DMF) (DHL) (TOL) (BFB)

86487 72531 40586

| File | Sample | Surrogate | Recovery % | Internal Standard | Responses |
|----------|------------|-----------|-------------|-------------------|-------------|
| 061521.D | 0.01 ppb 8 | 101 | 100 100 103 | 93938 | 78472 42006 |
| 061522.D | 0.02 ppb 8 | 101 | 104 101 104 | 91213 | 75834 39291 |
| 061523.D | 0.04 ppb 8 | 99 | 101 100 99 | 93265 | 78578 42759 |
| 061524.D | 0.1 ppb 82 | 101 | 104 98 101 | 92747 | 75977 41042 |
| 061525.D | 0.2 ppb 82 | 97 | 104 102 100 | 92402 | 77118 41419 |
| 061526.D | 0.5 ppb 82 | 99 | 103 99 98 | 92009 | 77763 41918 |
| 061527.D | 1 ppb 8260 | 92 | 85 86 102 | 107107 | 79366 42045 |
| 061528.D | 2 ppb 8260 | 101 | 99 98 103 | 91846 | 76796 40955 |
| 061529.D | 5 ppb 8260 | 102 | 99 103 100 | 88050 | 75171 39310 |
| 061530.D | 10 ppb 826 | 101 | 99 101 100 | 86487 | 72531 40586 |
| 061531.D | 20 ppb 826 | 103 | 100 102 95 | 85120 | 71131 40914 |
| 061532.D | 50 ppb 826 | 103 | 101 101 98 | 85020 | 70889 39856 |
| 061533.D | 100 ppb 82 | 101 | 101 105 98 | 80875 | 69371 38648 |
| 061534.D | 150 ppb 82 | 98 | 100 102 98 | 81996 | 69852 38927 |
| 061535.D | 200 ppb 82 | 102 | 101 102 100 | 83120 | 70268 38141 |
| 061537.D | 10 ppb 826 | 101 | 98 97 102 | 89481 | 73929 38811 |

(fails) - fails 12hr time check * - fails criteria

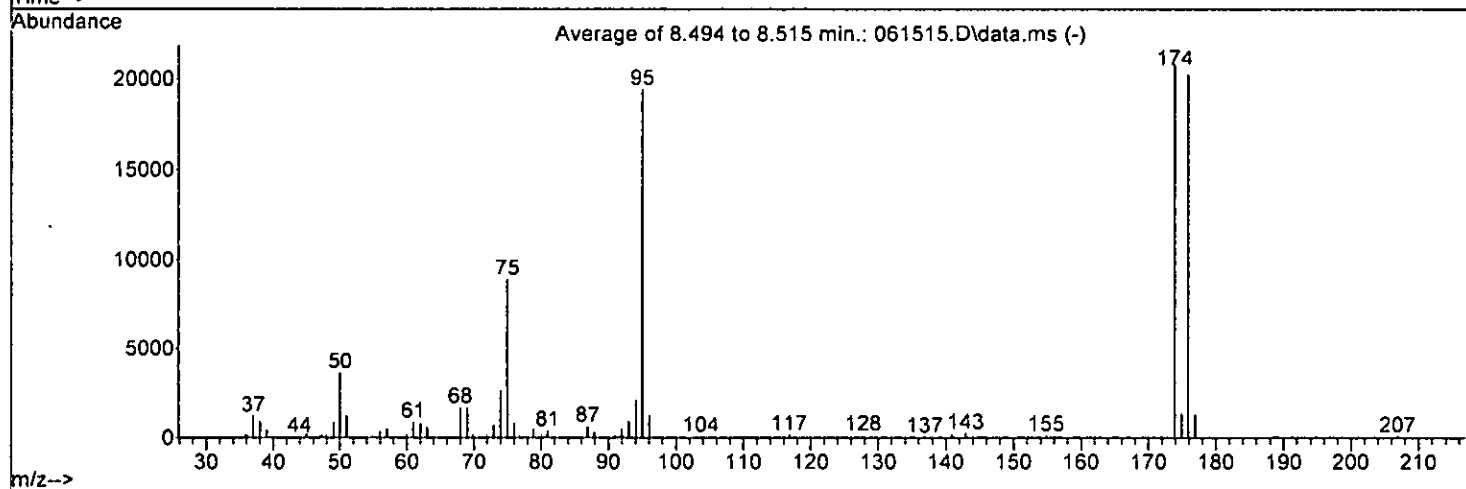
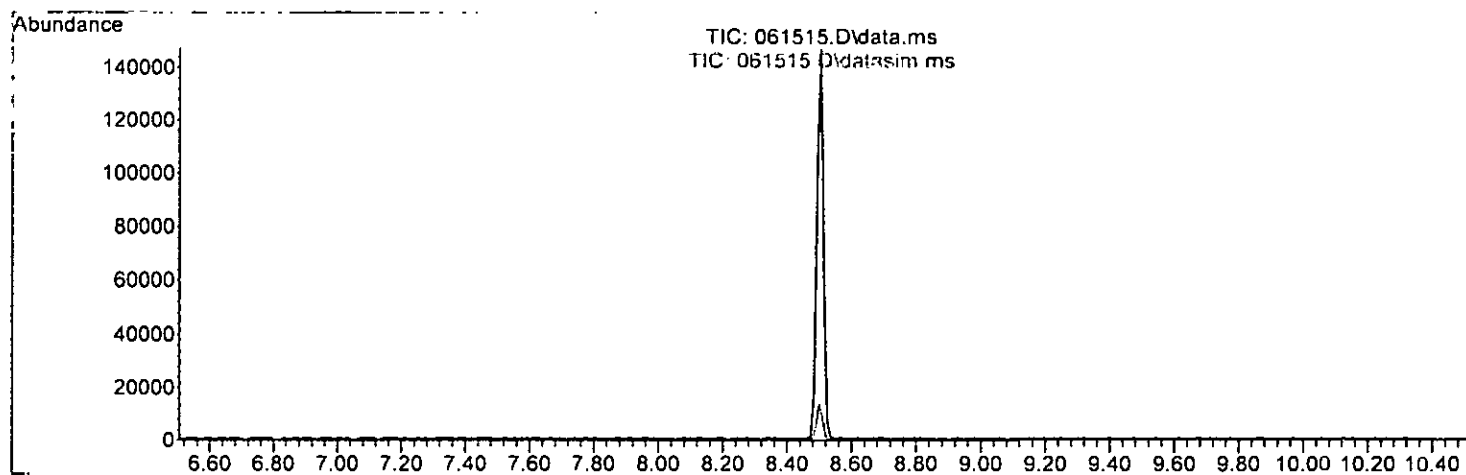
Created: Fri Jun 16 08:44:19 2023 GCMS13

EPA 8260D
Tune Summaries

Data Path : U:\GCMS13\GCMS13_Data\06-15-23\
 Data File : 061515.D
 Acq On : 15 Jun 2023 01:29 pm
 Operator : MD
 Sample : 50 ng BFB 69-21a
 Misc : direct inj
 ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst13\052523vms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri May 26 09:31:50 2023



AutoFind: Scans 689, 690, 691; Background Corrected with Scan 684

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 95 | 174 | 50 | 200 | 93.2 | 19400 | PASS |
| 96 | 95 | 5 | 9 | 6.4 | 1245 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 107.3 | 20807 | PASS |
| 175 | 174 | 5 | 9 | 6.3 | 1319 | PASS |
| 176 | 174 | 95 | 105 | 97.1 | 20205 | PASS |
| 177 | 176 | 5 | 10 | 6.2 | 1255 | PASS |

EPA 8260D
Initial Calibrations

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : 061523vms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
38) TMP cis-1,3-Dichlo... 0.291 0.351 0.298 0.343 0.397 0.316 0.376 0.372 0.369 0.368 0.391 0.402 0.405 0.361 10.27

39) I Chlorobenzene-d5 -----ISTD-----

| | | | | | | | | | | | | | | | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 40) TMP Toluene | 1.305 | 0.999 | 0.861 | 0.809 | 0.792 | 0.779 | 0.783 | 0.753 | 0.768 | 0.760 | 0.755 | 0.748 | 0.756 | 0.761 | 0.831 | 18.28 |
| 41) TMP trans-1,3-Dich... | | | 0.468 | 0.397 | 0.408 | 0.387 | 0.413 | 0.418 | 0.426 | 0.424 | 0.436 | 0.448 | 0.453 | | 0.425 | 5.75 |
| 42) TMP 1,1,2-Trichlor... | | | 0.255 | 0.229 | 0.224 | 0.227 | 0.224 | 0.229 | 0.225 | 0.224 | 0.224 | 0.228 | 0.229 | | 0.229 | 3.87 |
| 43) TMP 2-Hexanone | | | 0.300 | 0.274 | 0.283 | 0.295 | 0.298 | 0.300 | 0.293 | 0.294 | 0.294 | 0.298 | 0.297 | | 0.293 | 2.89 |
| 44) TMP 1,3-Dichloropr... | | | 0.436 | 0.411 | 0.387 | 0.391 | 0.400 | 0.406 | 0.394 | 0.393 | 0.399 | 0.400 | 0.399 | | 0.402 | 3.27 |
| 45) TMP Tetrachloroethene | 0.508 | 0.452 | 0.409 | 0.405 | 0.380 | 0.383 | 0.387 | 0.374 | 0.378 | 0.378 | 0.371 | 0.375 | 0.372 | 0.373 | 0.396 | 9.81 |
| 46) TMP Dibromochlorom... | | | 0.279 | 0.408 | 0.377 | 0.402 | 0.396 | 0.420 | 0.402 | 0.407 | 0.409 | 0.422 | 0.425 | | 0.395 | 10.28 |
| 47) TMP 1,2-Dibromometh... | 0.481 | 0.382 | 0.337 | 0.343 | 0.324 | 0.332 | 0.339 | 0.334 | 0.343 | 0.343 | 0.337 | 0.338 | 0.341 | 0.345 | 0.362 | 15.46 |
| 48) TMP Chlorobenzene | | | 0.986 | 0.939 | 0.928 | 0.893 | 0.895 | 0.905 | 0.911 | 0.909 | 0.909 | 0.913 | 0.920 | | 0.919 | 2.81 |
| 49) TMP Ethylbenzene | 1.780 | 1.607 | 1.474 | 1.475 | 1.381 | 1.404 | 1.422 | 1.405 | 1.431 | 1.421 | 1.398 | 1.388 | 1.375 | 1.362 | 1.452 | 7.77 |
| 50) TMP 1,1,1,2-Tetrac... | | | 0.379 | 0.343 | 0.375 | 0.341 | 0.357 | 0.365 | 0.358 | 0.369 | 0.368 | 0.370 | 0.371 | | 0.363 | 3.40 |
| 51) TMP m,p-Xylene | 0.745 | 0.667 | 0.600 | 0.605 | 0.569 | 0.576 | 0.587 | 0.578 | 0.595 | 0.585 | 0.570 | 0.565 | 0.562 | 0.559 | 0.597 | 8.44 |
| 52) TMP o-Xylene | 0.686 | 0.674 | 0.587 | 0.585 | 0.557 | 0.554 | 0.570 | 0.558 | 0.572 | 0.568 | 0.558 | 0.554 | 0.551 | 0.550 | 0.580 | 7.56 |
| 53) TMP Styrene | | | 0.875 | 0.854 | 0.806 | 0.908 | 0.882 | 0.887 | 0.874 | 0.878 | 0.884 | 0.887 | 0.884 | | 0.874 | 2.98 |
| 54) TMP Isopropylbenzene | | | 1.325 | 1.340 | 1.362 | 1.338 | 1.290 | 1.372 | 1.343 | 1.317 | 1.338 | 1.339 | 1.344 | | 1.337 | 1.63 |
| 55) TMP Bromoform | | | 0.360 | 0.285 | 0.244 | 0.275 | 0.281 | 0.290 | 0.292 | 0.293 | 0.306 | 0.315 | 0.320 | | 0.296 | 9.93 |

56) I 1,4-Dichlorobenzen... -----ISTD-----

| | | | | | | | | | | | | | | | | | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|
| 57) 5 4-Bromofluorob... | 0.784 | 0.749 | 0.768 | 0.760 | 0.743 | 0.776 | 0.781 | 0.760 | 0.759 | 0.723 | 0.740 | 0.739 | 0.744 | 0.760 | 0.777 | 0.758 | 2.34 |
| 58) TMP n-Propylbenzene | | | 2.989 | 2.869 | 2.667 | 2.917 | 2.872 | 2.716 | 2.620 | 2.645 | 2.705 | 2.662 | 2.738 | | 2.764 | 4.55 | |
| 59) TMP Bromobenzene | | | 0.990 | 0.748 | 0.816 | 0.817 | 0.834 | 0.791 | 0.766 | 0.790 | 0.809 | 0.811 | 0.822 | | 0.818 | 7.65 | |
| 60) TMP 1,3,5-Trimethy... | | | 2.203 | 2.054 | 2.110 | 2.248 | 2.149 | 2.089 | 2.017 | 2.032 | 2.061 | 2.048 | 2.079 | | 2.099 | 3.48 | |
| 61) TMP 1,1,2,2-Tetrac... | | | 0.902 | 0.522 | 0.564 | 0.643 | 0.602 | 0.576 | 0.557 | 0.540 | 0.556 | 0.557 | 0.571 | | 0.599 | 17.58 | |
| 62) TMP 1,2,3-Trichlor... | | | 0.381 | 0.507 | 0.555 | 0.471 | 0.524 | 0.457 | 0.435 | 0.439 | 0.448 | 0.445 | 0.458 | | 0.466# | 10.23 | |
| 63) TMP 2-Chlorotoluene | | | 1.683 | 1.662 | 1.691 | 1.711 | 1.628 | 1.605 | 1.553 | 1.546 | 1.576 | 1.569 | 1.603 | | 1.621 | 3.61 | |
| 64) TMP 4-Chlorotoluene | | | 2.230 | 1.954 | 1.955 | 2.063 | 2.004 | 1.924 | 1.835 | 1.844 | 1.885 | 1.871 | 1.902 | | 1.951 | 5.88 | |
| 65) TMP tert-Butylbenzene | | | 1.892 | 2.113 | 2.058 | 2.023 | 1.986 | 2.004 | 1.908 | 1.899 | 1.975 | 1.956 | 1.986 | | 1.982 | 3.44 | |
| 66) TMP 1,2,4-Trimethy... | | | 2.295 | 2.164 | 2.106 | 2.234 | 2.222 | 2.188 | 2.084 | 2.151 | 2.201 | 2.181 | 2.248 | | 2.188 | 2.81 | |
| 67) TMP sec-Butylbenzene | | | 2.750 | 2.501 | 2.795 | 2.822 | 2.680 | 2.664 | 2.610 | 2.613 | 2.748 | 2.695 | 2.741 | | 2.693 | 3.47 | |
| 68) TMP p-Isopropyltol... | | | 2.530 | 2.493 | 2.406 | 2.502 | 2.492 | 2.448 | 2.373 | 2.410 | 2.512 | 2.470 | 2.524 | | 2.469 | 2.14 | |
| 69) TMP 1,3-Dichlorobe... | | | 1.423 | 1.462 | 1.414 | 1.448 | 1.433 | 1.421 | 1.354 | 1.389 | 1.440 | 1.444 | 1.471 | | 1.427 | 2.34 | |
| 70) TMP 1,4-Dichlorobe... | | | 1.523 | 1.379 | 1.452 | 1.466 | 1.443 | 1.429 | 1.356 | 1.396 | 1.430 | 1.431 | 1.459 | | 1.433 | 3.17 | |
| 71) TMP 1,2-Dichlorobe... | | | 1.473 | 1.313 | 1.363 | 1.363 | 1.359 | 1.340 | 1.299 | 1.311 | 1.358 | 1.367 | 1.396 | | 1.358 | 3.51 | |
| 72) TMP 1,2-Dibromo-3-... | | | 0.108 | 0.114 | 0.118 | 0.118 | 0.126 | 0.127 | 0.116 | 0.118 | 0.129 | 0.130 | 0.136 | | 0.122 | 7.15 | |
| 73) TMP 1,2,4-Trichlor... | | | 0.857 | 0.885 | 0.925 | 0.959 | 0.954 | 0.978 | 0.921 | 0.965 | 1.069 | 1.072 | 1.107 | | 0.972 | 8.22 | |
| 74) TMP Hexachlorobuta... | | | 0.520 | 0.568 | 0.606 | 0.604 | 0.548 | 0.569 | 0.534 | 0.546 | 0.595 | 0.584 | 0.594 | | 0.570 | 5.19 | |
| 75) TMP Naphthalene | 1.927 | | 2.067 | 1.960 | 1.954 | 1.984 | 2.147 | 2.135 | 2.055 | 2.156 | 2.351 | 2.399 | 2.479 | | 2.135 | 8.66 | |
| 76) TMP 1,2,3-Trichlor... | | | 1.029 | 0.840 | 0.825 | 0.902 | 0.933 | 0.903 | 0.846 | 0.903 | 0.979 | 0.999 | 1.023 | | 0.926 | 7.92 | |

(#) = Out of Range

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst131
Method File : 061523vms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Fri Jun 16 07:37:11 2023
Response Via : Initial Calibration

Calibration Files
0.02=061522.D 0.04=061523.D 0.1 =061524.D 0.2 =061525.D 0.5 =061526.D 1 =061527.D 2 =061528.D 5 =061529.D 10 =061530.D 20 =061531.D
50 =061532.D 100 =061533.D 150 =061534.D 200 =061535.D 0.01=061521.D

| Compound | 0.02 | 0.04 | 0.1 | 0.2 | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 100 | 150 | 200 | 0.01 | Avg | %RSD | | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 1) I Fluorobenzene | | | | | | | | | | | | | | | | 0.000# | -1.00 | | |
| 2) TMP Ethanol | | | | | | | | | | | | | | | | 0.302 | 2.77 | | |
| 3) 5 Dibromofluorom... | 0.304 | 0.298 | 0.305 | 0.293 | 0.298 | 0.278 | 0.304 | 0.308 | 0.311 | 0.310 | 0.306 | 0.297 | 0.308 | 0.306 | 0.302 | 0.815 | 8.81 | | |
| 4) TMP Dichlorodifluo... | | | | 0.723 | 0.683 | 0.761 | 0.827 | 0.890 | 0.809 | 0.829 | 0.885 | 0.877 | 0.867 | | | 0.756 | 3.38 | | |
| 5) TMP Chloromethane | | | | | 0.786 | 0.763 | 0.743 | 0.728 | 0.721 | 0.731 | 0.782 | 0.780 | 0.772 | | | 0.628 | 14.66 | | |
| 6) TMP Vinyl chloride | 0.844 | 0.799 | 0.514 | 0.610 | 0.576 | 0.501 | 0.619 | 0.616 | 0.637 | 0.605 | 0.596 | 0.629 | 0.625 | 0.616 | | 0.442 | 6.67 | | |
| 7) TMP Bromomethane | | | | | 0.412 | 0.427 | 0.450 | 0.508 | 0.447 | 0.408 | 0.454 | 0.441 | 0.431 | | | 0.292 | 4.76 | | |
| 8) TMP Chloroethane | | | | 0.270 | 0.266 | 0.304 | 0.308 | 0.297 | 0.302 | 0.287 | 0.282 | 0.298 | 0.300 | 0.298 | | 1.250 | 7.71 | | |
| 9) TMP Trichlorofluor... | | | | 1.324 | 1.260 | 1.002 | 1.212 | 1.265 | 1.193 | 1.270 | 1.237 | 1.346 | 1.304 | 1.341 | | 0.000 | -1.00 | | |
| 10) TMP 2-Propanol | | | | | 0.033 | 0.032 | 0.037 | 0.037 | 0.034 | 0.034 | 0.037 | 0.034 | 0.037 | 0.037 | | 0.282 | 17.52 | | |
| 11) TMP Acetone | | 0.422 | 0.351 | 0.275 | 0.275 | 0.263 | 0.221 | 0.296 | 0.270 | 0.266 | 0.260 | 0.254 | 0.261 | 0.266 | | 0.343 | 3.79 | | |
| 12) TMP 1,1-Dichloroet... | | | | | 0.342 | 0.336 | 0.354 | 0.324 | 0.345 | 0.325 | 0.335 | 0.360 | 0.351 | 0.359 | | 0.225 | 6.11 | | |
| 13) TMP Hexane | | | | | | 0.257 | 0.226 | 0.223 | 0.221 | 0.211 | 0.219 | 0.218 | 0.223 | | | 0.032 | 5.54 | | |
| 14) TMP Methylene chlo... | | | | | 0.029 | 0.036 | 0.032 | 0.032 | 0.031 | 0.033 | 0.032 | 0.032 | 0.033 | 0.033 | | 0.601 | 8.34 | | |
| 15) TMP t-Butyl alcoho... | | | | | 0.707 | 0.697 | 0.585 | 0.631 | 0.575 | 0.516 | 0.620 | 0.593 | 0.598 | 0.591 | 0.575 | 0.583 | 0.576 | 0.570 | |
| 16) TMP Methyl t-butyl... | | | | 0.280 | 0.276 | 0.233 | 0.285 | 0.248 | 0.225 | 0.280 | 0.259 | 0.258 | 0.256 | 0.252 | 0.254 | 0.254 | 0.260 | 6.72 | |
| 17) TMP trans-1,2-Dich... | | | | | 0.897 | 0.833 | 0.766 | 0.817 | 0.819 | 0.844 | 0.831 | 0.820 | 0.828 | 0.843 | 0.847 | | 0.832 | 3.72 | |
| 18) TMP Diisopropyl et... | | | | 0.510 | 0.466 | 0.439 | 0.440 | 0.422 | 0.377 | 0.430 | 0.427 | 0.430 | 0.428 | 0.420 | 0.423 | 0.427 | 0.433 | 6.65 | |
| 19) TMP 1,1-Dichloroet... | | | | | 0.246 | 0.267 | 0.252 | 0.268 | 0.263 | 0.276 | 0.273 | 0.269 | 0.268 | 0.271 | 0.270 | | 0.266 | 3.40 | |
| 20) TMP Ethyl t-butyl ... | | | | | 0.420 | 0.335 | 0.272 | 0.301 | 0.297 | 0.296 | 0.262 | 0.288 | 0.303 | 0.283 | 0.249 | | 0.301 | 15.19 | |
| 21) TMP 2,2-Dichloropr... | | | | | 0.295 | 0.271 | 0.245 | 0.280 | 0.276 | 0.280 | 0.278 | 0.273 | 0.274 | 0.276 | 0.280 | | 0.280 | 6.84 | |
| 22) TMP cis-1,2-Dichlo... | 0.3B4 | 0.268 | 0.285 | | 0.531 | 0.480 | 0.404 | 0.458 | 0.424 | 0.452 | 0.444 | 0.439 | 0.446 | 0.454 | 0.460 | | 0.454 | 7.10 | |
| 23) TMP Chloroform | | | | | 0.191 | 0.159 | 0.165 | 0.194 | 0.190 | 0.187 | 0.180 | 0.181 | 0.184 | 0.183 | | 0.181 | 6.18 | | |
| 24) TMP 2-Butanone (MEK) | | | | | 0.719 | 0.563 | 0.536 | 0.601 | 0.586 | 0.579 | 0.576 | 0.558 | 0.565 | 0.563 | 0.558 | | 0.582 | 8.30 | |
| 25) TMP t-Amyl methyl ... | | | | | 0.437 | 0.403 | 0.356 | 0.478 | 0.393 | 0.395 | 0.388 | 0.377 | 0.379 | 0.380 | 0.377 | | 0.442 | 25.25 | |
| 26) TMP 1,2-Dichloroet... | 0.762 | 0.600 | 0.467 | | 0.458 | 0.436 | 0.385 | 0.443 | 0.441 | 0.444 | 0.438 | 0.431 | 0.436 | 0.441 | 0.451 | | 0.445 | 6.24 | |
| 27) TMP 1,1,1-Trichlor... | 0.515 | 0.474 | 0.442 | | 0.310 | 0.347 | 0.276 | 0.337 | 0.321 | 0.326 | 0.319 | 0.316 | 0.329 | 0.331 | 0.337 | | 0.322 | 5.85 | |
| 28) TMP 1,1-Dichloropr... | | | | | 0.419 | 0.381 | 0.356 | 0.416 | 0.417 | 0.424 | 0.401 | 0.398 | 0.416 | 0.418 | 0.438 | | 0.408 | 5.58 | |
| 29) TMP Carbon tetrach... | | | | | 0.065 | 0.063 | 0.065 | 0.065 | 0.053 | 0.062 | 0.062 | 0.063 | 0.063 | 0.063 | 0.062 | 0.062 | | 4.61 | |
| 30) 5 1,2-Dichloroet... | | | | | 1.135 | 0.965 | 0.940 | 0.942 | 0.899 | 0.796 | 0.929 | 0.894 | 0.906 | 0.897 | 0.882 | 0.891 | 0.896 | 8.05 | |
| 31) TMP Benzene | | | | | 0.488 | 0.330 | 0.300 | 0.308 | 0.304 | 0.270 | 0.318 | 0.318 | 0.310 | 0.298 | 0.299 | 0.306 | 0.308 | 0.311 | 15.81 |
| 32) TMP Trichloroethene | | | | | 0.253 | 0.239 | 0.254 | 0.232 | 0.227 | 0.231 | 0.222 | 0.224 | 0.227 | 0.232 | 0.236 | | 0.234 | 4.53 | |
| 33) TMP 1,2-Dichloropr... | | | | | 0.280 | 0.357 | 0.294 | 0.351 | 0.334 | 0.331 | 0.342 | 0.337 | 0.343 | 0.355 | 0.360 | | 0.335 | 7.69 | |
| 34) TMP Bromodichlorom... | | | | | 0.971 | 0.957 | 0.940 | 0.980 | 0.954 | 0.825 | 0.942 | 0.989 | 0.970 | 0.976 | 0.964 | 1.004 | 0.977 | 0.979 | 4.25 |
| 35) 5 Toluene-d8 | | | | | 0.159 | 0.166 | 0.162 | 0.165 | 0.165 | 0.169 | 0.166 | 0.172 | 0.166 | 0.172 | 0.173 | 0.177 | | 0.168 | 3.23 |
| 36) TMP Dibromomethane | | | | | 0.053 | 0.040 | 0.044 | 0.044 | 0.049 | 0.045 | 0.047 | 0.045 | 0.047 | 0.047 | 0.047 | | 0.047 | 7.02 | |
| 37) TMP 4-Methyl-2-pen... | | | | | | | | | | | | | | | | | | | |

Calibration Status Report GCMS13

Method Path : Y:\Methods\Inst13\
 Method File : 061523vms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response Via : Initial Calibration

| # | ID | Conc | ISTD Conc | Path\File |
|----|------|------|--------------|----------------------------------|
| 1 | 0.02 | 0 | 10 | Y:\Proc_GCMS13\06-15-23\061522.D |
| 2 | 0.04 | 0 | 10 | Y:\Proc_GCMS13\06-15-23\061523.D |
| 3 | 0.1 | 0 | 10 | Y:\Proc_GCMS13\06-15-23\061524.D |
| 4 | 0.2 | 0 | 10 | Y:\Proc_GCMS13\06-15-23\061525.D |
| 5 | 0.5 | 1 | 10 | Y:\Proc_GCMS13\06-15-23\061526.D |
| 6 | 1 | 1 | 10 | Y:\Proc_GCMS13\06-15-23\061527.D |
| 7 | 2 | 2 | 10 | Y:\Proc_GCMS13\06-15-23\061528.D |
| 8 | 5 | 5 | 10 | Y:\Proc_GCMS13\06-15-23\061529.D |
| 9 | 10 | 10 | 10 | Y:\Proc_GCMS13\06-15-23\061530.D |
| 10 | 20 | 20 | 10 | Y:\Proc_GCMS13\06-15-23\061531.D |
| 11 | 50 | 50 | 10 | Y:\Proc_GCMS13\06-15-23\061532.D |
| 12 | 100 | 100 | 10 | Y:\Proc_GCMS13\06-15-23\061533.D |
| 13 | 150 | 150 | 10 | Y:\Proc_GCMS13\06-15-23\061534.D |
| 14 | 200 | 200 | 10 | Y:\Proc_GCMS13\06-15-23\061535.D |
| 15 | 0.01 | -1 | 10 | Y:\Proc_GCMS13\06-15-23\061521.D |

| # | ID | Update Time | Quant Time | Acquisition Time |
|----|------|-------------------|-------------------|----------------------|
| 1 | 0.02 | Jun 16 07:21 2023 | Jun 16 07:18 2023 | 15 Jun 2023 04:18 pm |
| 2 | 0.04 | Jun 16 07:21 2023 | Jun 16 07:19 2023 | 15 Jun 2023 04:41 pm |
| 3 | 0.1 | Jun 16 07:21 2023 | Jun 16 07:19 2023 | 15 Jun 2023 05:04 pm |
| 4 | 0.2 | Jun 16 07:21 2023 | Jun 16 07:19 2023 | 15 Jun 2023 05:28 pm |
| 5 | 0.5 | Jun 16 07:21 2023 | Jun 16 07:20 2023 | 15 Jun 2023 05:51 pm |
| 6 | 1 | Jun 16 07:21 2023 | Jun 16 07:21 2023 | 15 Jun 2023 06:15 pm |
| 7 | 2 | Jun 16 07:21 2023 | Jun 16 07:21 2023 | 15 Jun 2023 06:38 pm |
| 8 | 5 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 07:01 pm |
| 9 | 10 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 07:25 pm |
| 10 | 20 | Jun 16 07:22 2023 | Jun 16 07:06 2023 | 15 Jun 2023 07:48 pm |
| 11 | 50 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 08:11 pm |
| 12 | 100 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 08:35 pm |
| 13 | 150 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 08:58 pm |
| 14 | 200 | Jun 16 07:21 2023 | Jun 16 07:06 2023 | 15 Jun 2023 09:22 pm |
| 15 | 0.01 | Jun 16 07:21 2023 | Jun 16 07:05 2023 | 15 Jun 2023 03:54 pm |

061523vms13.M Fri Jun 16 08:39:44 2023

Compound List Report GCMS13

Method Path : Y:\Methods\Inst13\
 Method File : 061523vms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response Via : Initial Calibration

Total Cpnds : 76

| PK# | Compound Name | QIon | Exp_RT | Rel_RT | Cal | #Qual | A/H | ID |
|-----|-------------------------------|------|--------|--------|-----|-------|-----|----|
| 1 | I Fluorobenzene | 96 | 4.73 | 1.000 | A | 1 | A | B |
| 2 | T Ethanol | 45 | 2.32 | 0.490 | A | 1 | A | B |
| 3 | S Dibromofluoromethane | 113 | 4.16 | 0.880 | A | 0 | A | B |
| 4 | T Dichlorodifluoromethane | 85 | 1.11 | 0.234 | A | 1 | A | B |
| 5 | T Chloromethane | 50 | 1.25 | 0.264 | A | 1 | A | B |
| 6 | T Vinyl chloride | -62 | 1.33 | 0.280 | L | 1 | A | B |
| 7 | T Bromomethane | 94 | 1.57 | 0.332 | A | 1 | A | B |
| 8 | T Chloroethane | -64 | 1.64 | 0.346 | A | 1 | A | B |
| 9 | T Trichlorofluoromethane | 101 | 1.85 | 0.390 | A | 1 | A | B |
| 10 | T 2-Propanol | 45 | 2.32 | 0.490 | A | 1 | A | B |
| 11 | T Acetone | 58 | 2.32 | 0.490 | A | 1 | A | B |
| 12 | T 1,1-Dichloroethene | -96 | 2.26 | 0.478 | L | 2 | A | B |
| 13 | T Hexane | 57 | 3.15 | 0.665 | A | 2 | A | B |
| 14 | T Methylene chloride | 84 | 2.68 | 0.566 | A | 2 | A | B |
| 15 | T t-Butyl alcohol (TBA) | 59 | 2.81 | 0.593 | A | 1 | A | B |
| 16 | T Methyl t-butyl ether (MTBE) | -73 | 2.92 | 0.618 | A | 1 | A | B |
| 17 | T trans-1,2-Dichloroethene | -96 | 2.91 | 0.615 | A | 2 | A | B |
| 18 | T Diisopropyl ether (DIPE) | 45 | 3.34 | 0.706 | A | 3 | A | B |
| 19 | T 1,1-Dichloroethane | -63 | 3.27 | 0.692 | A | 2 | A | B |
| 20 | T Ethyl t-butyl ether (ETBE) | 87 | 3.65 | 0.771 | A | 3 | A | B |
| 21 | T 2,2-Dichloropropane | 77 | 3.76 | 0.795 | L | 1 | A | B |
| 22 | T cis-1,2-Dichloroethene | -96 | 3.76 | 0.794 | A | 2 | A | B |
| 23 | T Chloroform | 83 | 4.03 | 0.851 | A | 1 | A | B |
| 24 | T 2-Butanone (MEK) | 43 | 3.78 | 0.799 | A | 2 | A | B |
| 25 | T t-Amyl methyl ether (TAME) | 73 | 4.60 | 0.972 | A | 2 | A | B |
| 26 | T 1,2-Dichloroethane (EDC) | -62 | 4.51 | 0.954 | L | 1 | A | B |
| 27 | T 1,1,1-Trichloroethane | -97 | 4.19 | 0.885 | A | 2 | A | B |
| 28 | T 1,1-Dichloropropene | 75 | 4.32 | 0.913 | A | 2 | A | B |
| 29 | T Carbon tetrachloride | 117 | 4.32 | 0.913 | A | 1 | A | B |
| 30 | S 1,2-Dichloroethane-d4 | 102 | 4.45 | 0.941 | A | 1 | A | B |
| 31 | T Benzene | -78 | 4.49 | 0.949 | A | 1 | A | B |
| 32 | T Trichloroethene | -95 | 5.04 | 1.065 | L | 3 | A | B |
| 33 | T 1,2-Dichloropropane | 63 | 5.23 | 1.105 | A | 1 | A | B |
| 34 | T Bromodichloromethane | 83 | 5.48 | 1.158 | A | 2 | A | B |
| 35 | S Toluene-d8 | 98 | 6.11 | 1.290 | A | 1 | A | B |
| 36 | T Dibromomethane | 93 | 5.34 | 1.127 | A | 2 | A | B |
| 37 | T 4-Methyl-2-pentanone | 85 | 6.01 | 1.270 | A | 2 | A | B |
| 38 | T cis-1,3-Dichloropropene | 75 | 5.86 | 1.238 | A | 2 | A | B |
| 39 | I Chlorobenzene-d5 | 117 | 7.40 | 1.000 | A | 1 | A | B |
| 40 | T Toluene | -92 | 6.16 | 0.833 | L | 1 | A | B |
| 41 | T trans-1,3-Dichloropropene | 75 | 6.36 | 0.860 | A | 2 | A | B |
| 42 | T 1,1,2-Trichloroethane | -83 | 6.51 | 0.880 | A | 2 | A | B |
| 43 | T 2-Hexanone | 43 | 6.75 | 0.912 | A | 3 | A | B |
| 44 | T 1,3-Dichloropropane | 76 | 6.67 | 0.902 | A | 1 | A | B |
| 45 | T Tetrachloroethene | -164 | 6.65 | 0.899 | L | 3 | A | B |
| 46 | T Dibromochloromethane | 129 | 6.87 | 0.929 | A | 1 | A | B |
| 47 | T 1,2-Dibromoethane (EDB) | -107 | 6.97 | 0.942 | L | 2 | A | B |
| 48 | T Chlorobenzene | 112 | 7.43 | 1.004 | A | 2 | A | B |
| 49 | T Ethylbenzene | -91 | 7.54 | 1.019 | A | 1 | A | B |
| 50 | T 1,1,1,2-Tetrachloroethane | 131 | 7.50 | 1.014 | A | 2 | A | B |
| 51 | T m,p-Xylene | -106 | 7.64 | 1.033 | A | 1 | A | B |
| 52 | T o-Xylene | -106 | 8.01 | 1.083 | A | 1 | A | B |
| 53 | T Styrene | 104 | 8.03 | 1.085 | A | 1 | A | B |
| 54 | T Isopropylbenzene | 105 | 8.37 | 1.131 | A | 1 | A | B |
| 55 | T Bromoform | 173 | 8.19 | 1.108 | A | 2 | A | B |

| | | | | | | | | | |
|----|---|-----------------------------|-----|-------|-------|---|---|---|---|
| 56 | I | 1,4-Dichlorobenzene-d4 | 152 | 9.62 | 1.000 | A | 2 | A | B |
| 57 | S | 4-Bromofluorobenzene | 95 | 8.50 | 0.884 | A | 2 | A | B |
| 58 | T | n-Propylbenzene | 91 | 8.76 | 0.911 | A | 1 | A | B |
| 59 | T | Bromobenzene | 156 | 8.65 | 0.899 | A | 2 | A | B |
| 60 | T | 1,3,5-Trimethylbenzene | 105 | 8.93 | 0.928 | A | 1 | A | B |
| 61 | T | 1,1,2,2-Tetrachloroethane | 83 | 8.65 | 0.899 | L | 2 | A | B |
| 62 | T | 1,2,3-Trichloropropane | 75 | 8.69 | 0.903 | A | 3 | A | B |
| 63 | T | 2-Chlorotoluene | 91 | 8.84 | 0.918 | A | 1 | A | B |
| 64 | T | 4-Chlorotoluene | 91 | 8.94 | 0.929 | A | 1 | A | B |
| 65 | T | tert-Butylbenzene | 119 | 9.25 | 0.961 | A | 2 | A | B |
| 66 | T | 1,2,4-Trimethylbenzene | 105 | 9.29 | 0.965 | A | 1 | A | B |
| 67 | T | sec-Butylbenzene | 105 | 9.46 | 0.983 | A | 1 | A | B |
| 68 | T | p-Isopropyltoluene | 119 | 9.61 | 0.999 | A | 2 | A | B |
| 69 | T | 1,3-Dichlorobenzene | 146 | 9.56 | 0.994 | A | 2 | A | B |
| 70 | T | 1,4-Dichlorobenzene | 146 | 9.64 | 1.002 | A | 2 | A | B |
| 71 | T | 1,2-Dichlorobenzene | 146 | 10.00 | 1.040 | A | 2 | A | B |
| 72 | T | 1,2-Dibromo-3-chloropropane | 75 | 10.77 | 1.120 | A | 2 | A | B |
| 73 | T | 1,2,4-Trichlorobenzene | 180 | 11.59 | 1.205 | A | 2 | A | B |
| 74 | T | Hexachlorobutadiene | 225 | 11.77 | 1.223 | A | 2 | A | B |
| 75 | T | Naphthalene | 128 | 11.83 | 1.230 | A | 2 | A | B |
| 76 | T | 1,2,3-Trichlorobenzene | 180 | 12.07 | 1.254 | A | 2 | A | B |

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

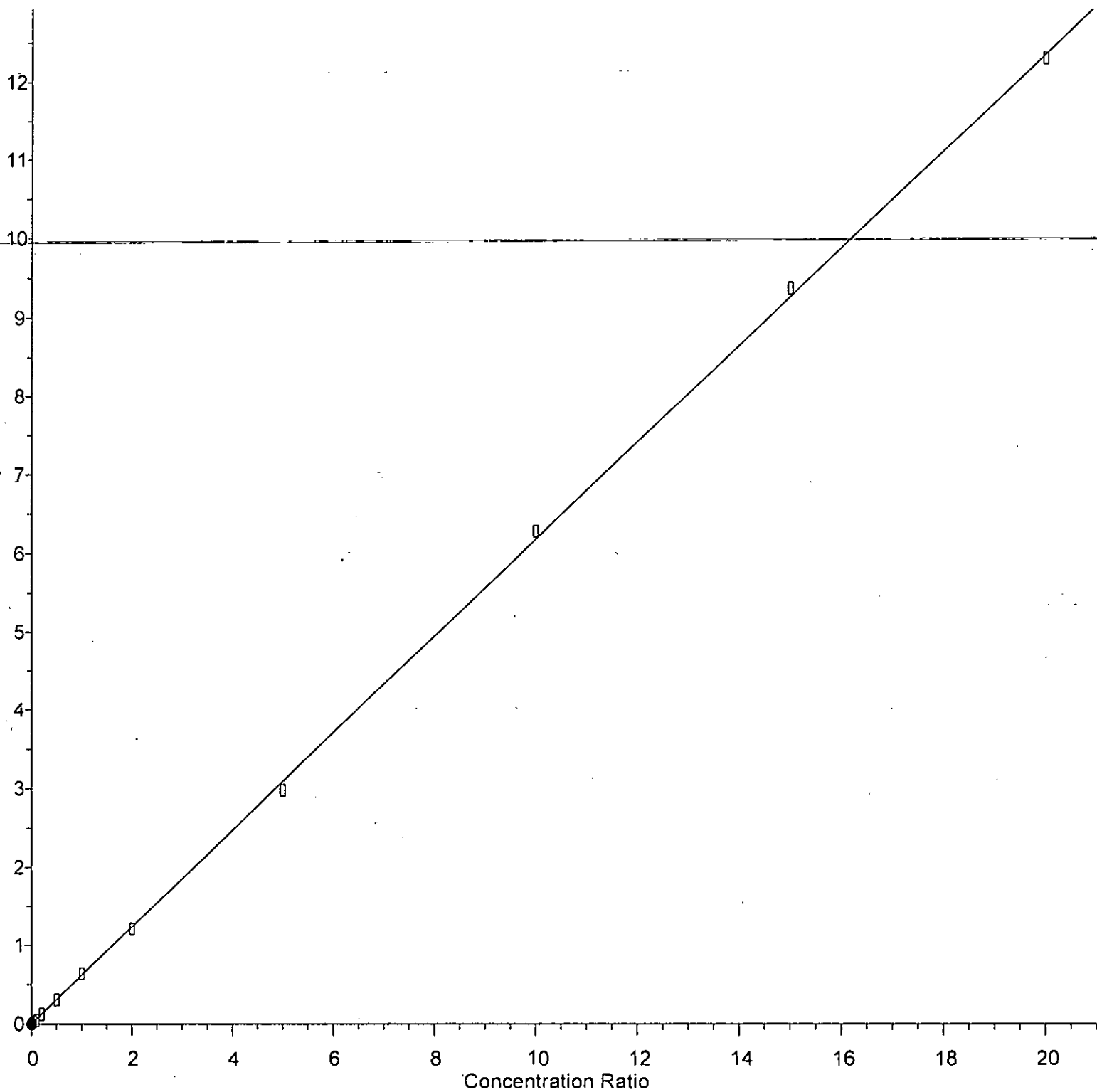
A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

061523vms13.M Fri Jun 16 08:39:50 2023

Vinyl chloride

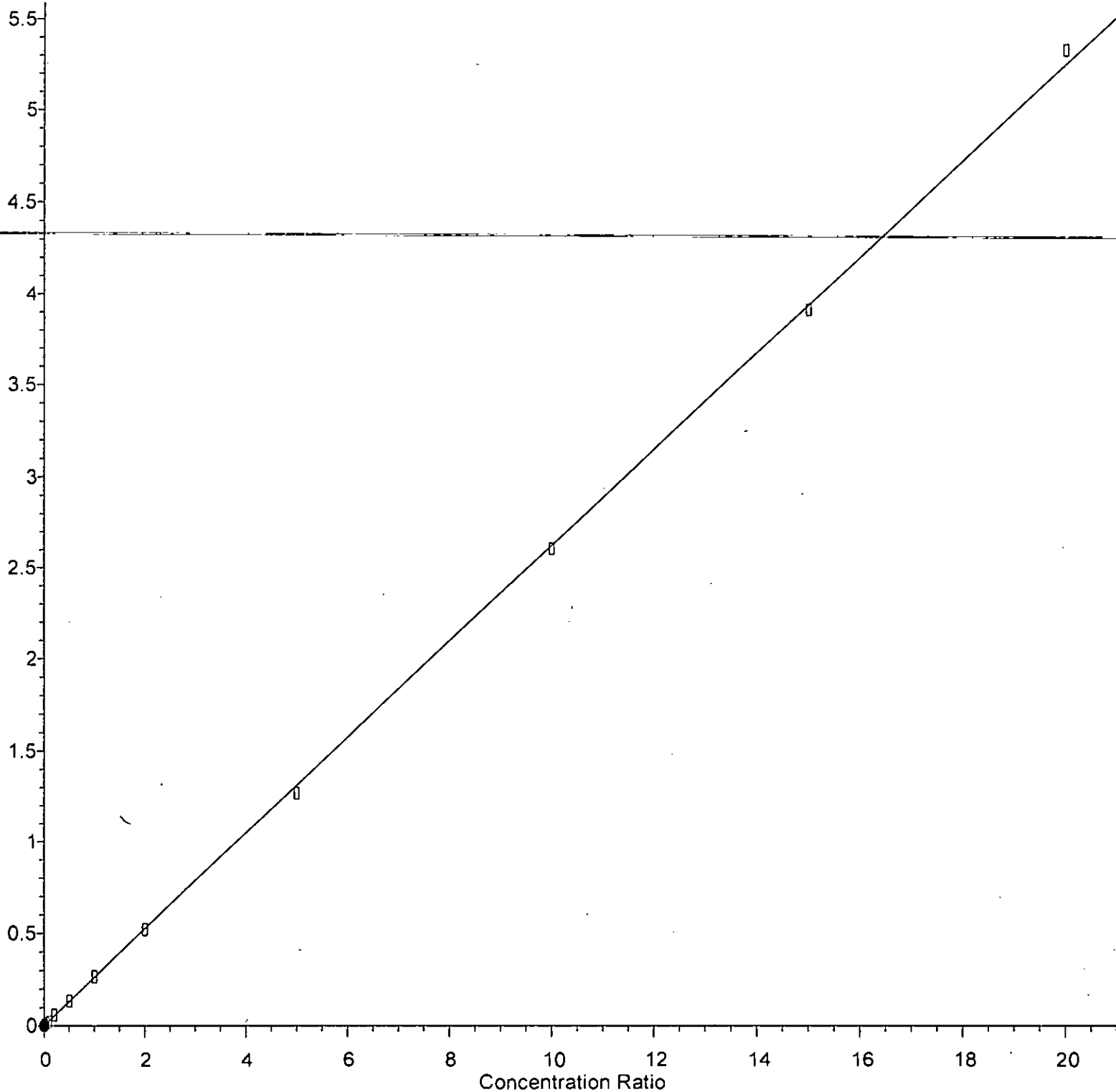
Response Ratio



Response = 6.188e-001 * Amt + 1.314e-004
Coef of Det (r^2) = 0.999659 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

1,1-Dichloroethene

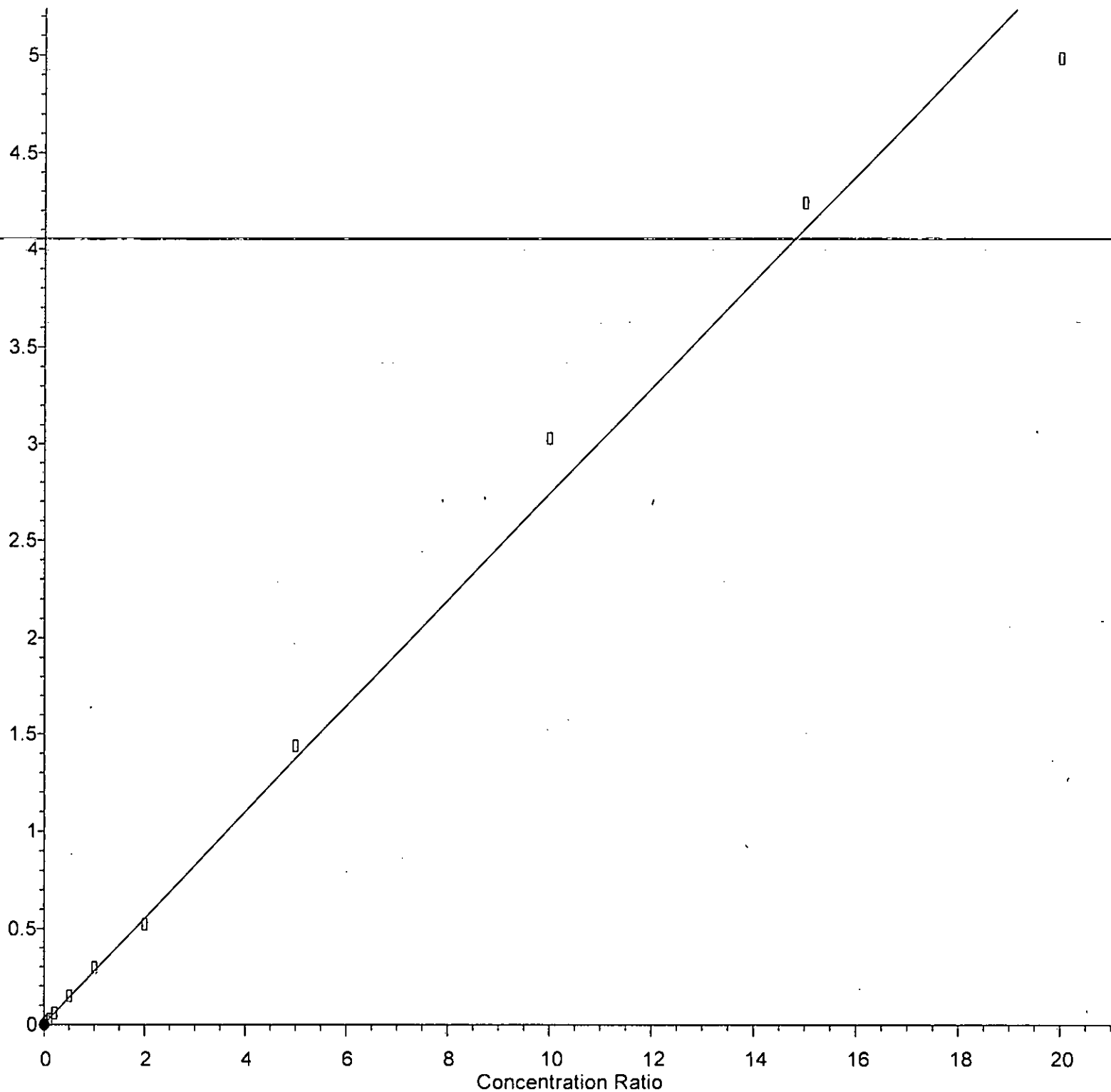
Response Ratio



Response = 2.623e-001 * Amt + 2.867e-004
Coef of Det (r^2) = 0.999676 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

2,2-Dichloropropane

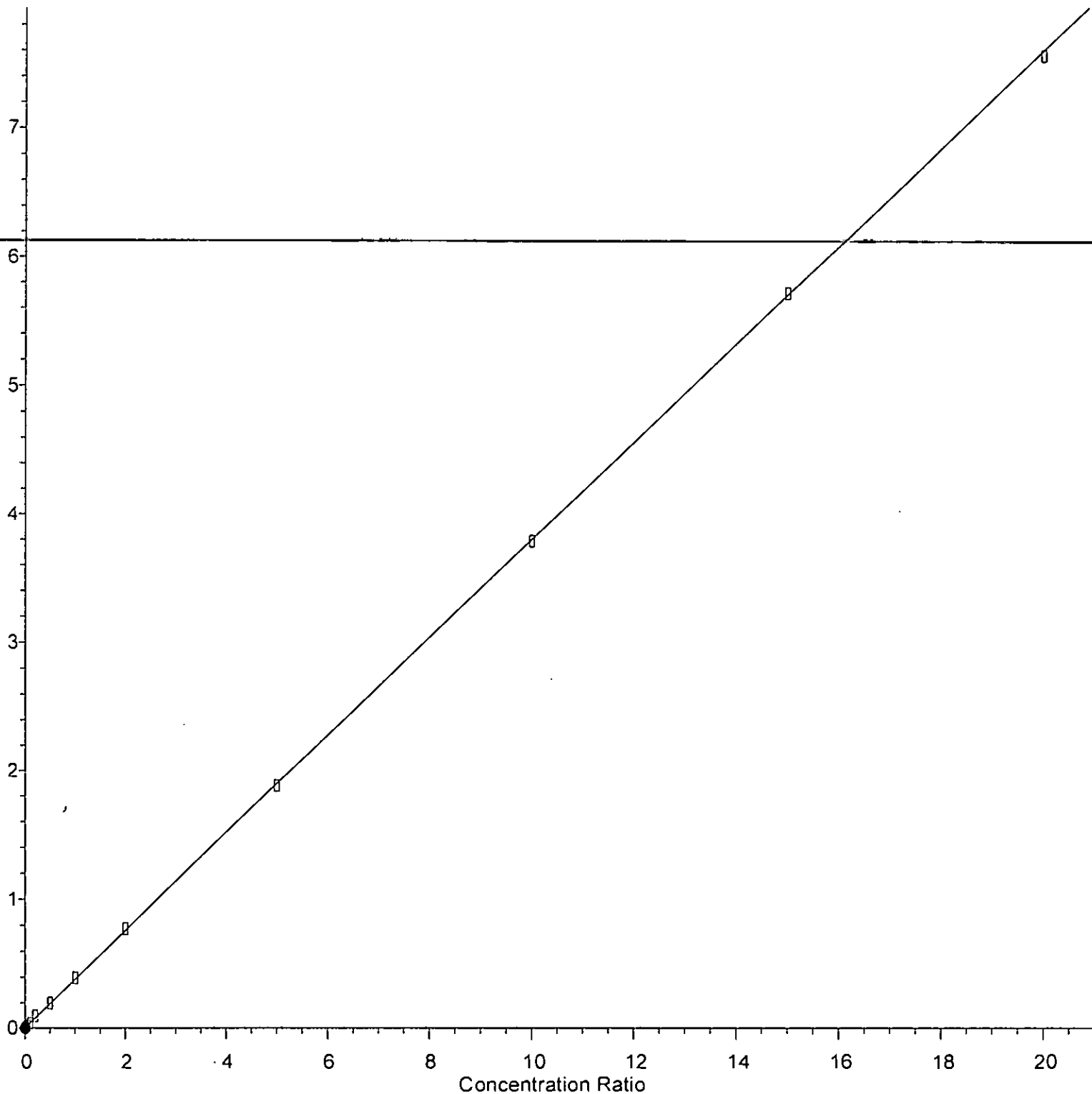
Response Ratio



Response = 2.737e-001 * Amt + 3.323e-003
Coef of Det (r^2) = 0.994053 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

1,2-Dichloroethane (EDC)

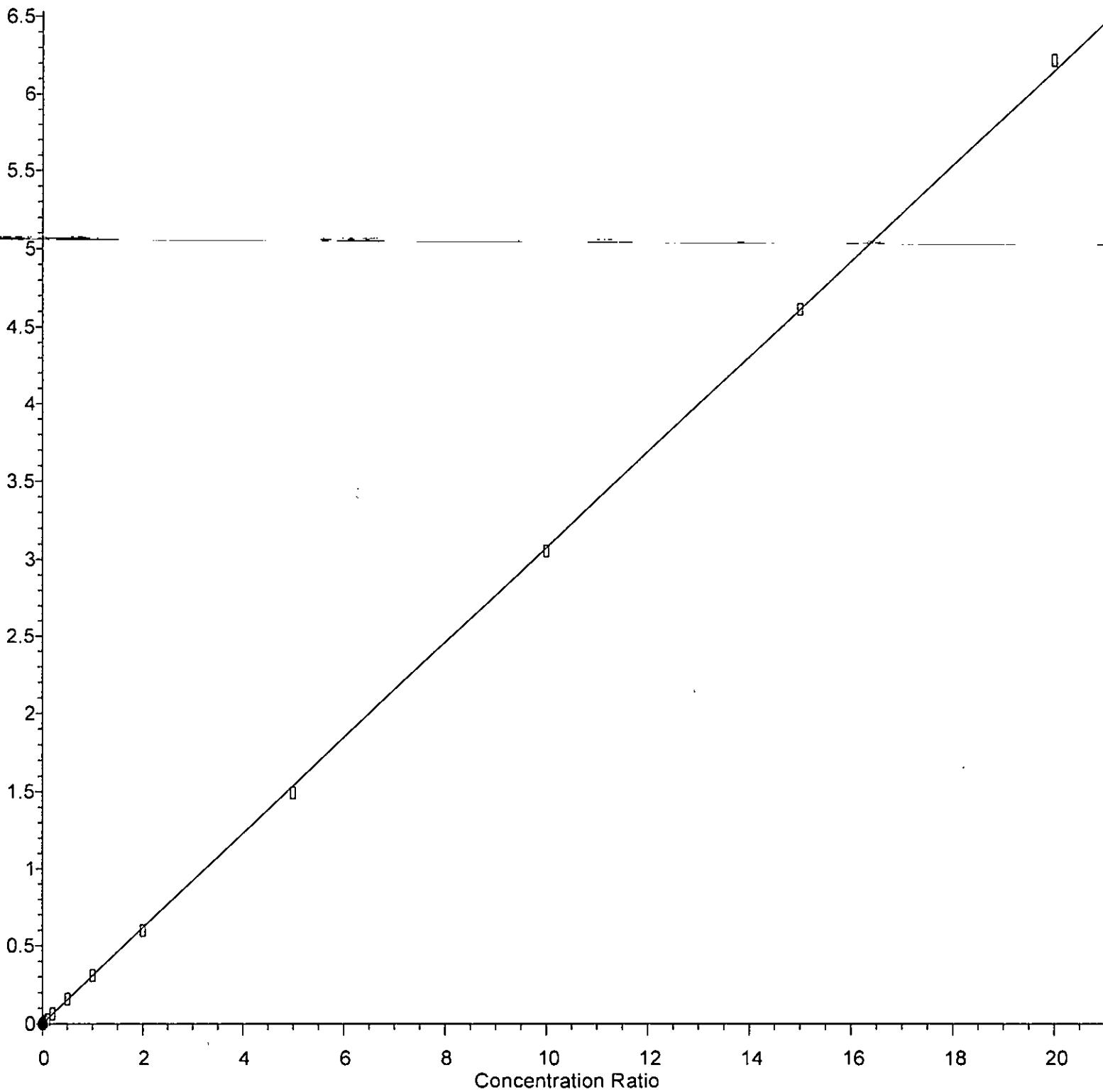
Response Ratio



Response = 3.794e-001 * Amt + 9.374e-004
Coef of Det (r^2) = 0.999683 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

Trichloroethene

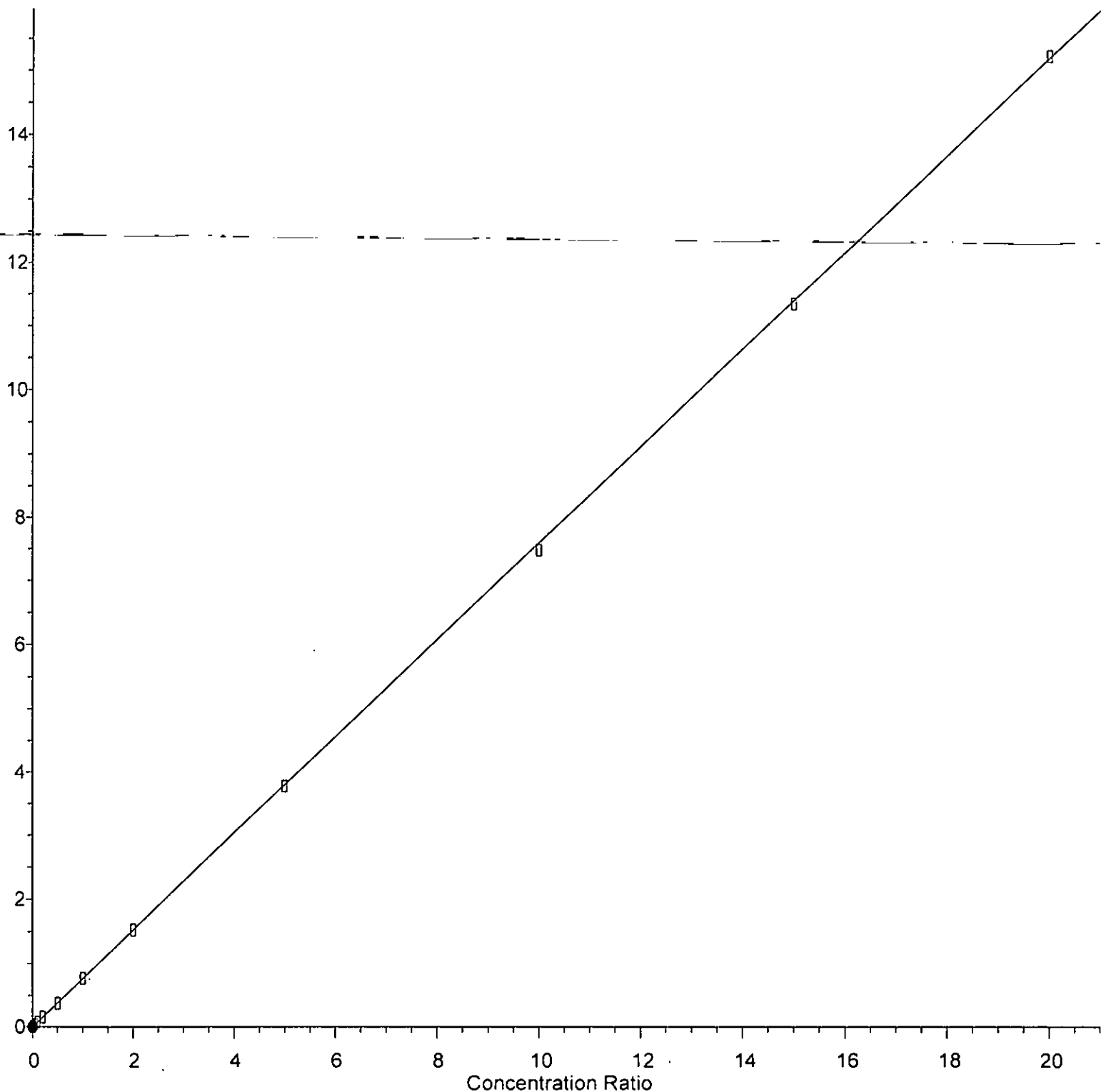
Response Ratio



Response = 3.073e-001 * Amt + 1.740e-004
Coef of Det (r^2) = 0.999786 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

Toluene

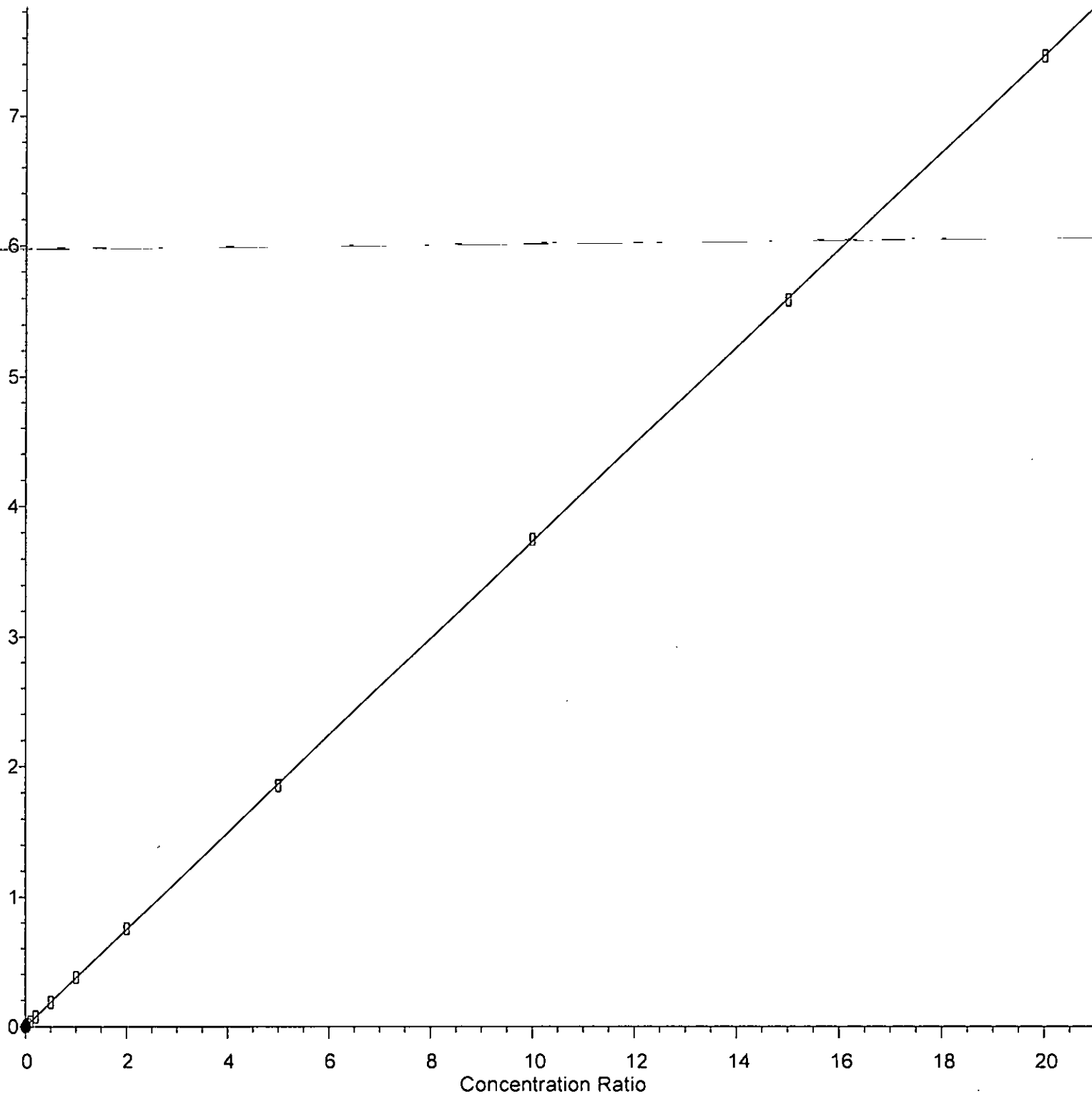
Response Ratio



Response = 7.592e-001 * Amt + 1.065e-003
Coef of Det (r^2) = 0.999728 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

Tetrachloroethene

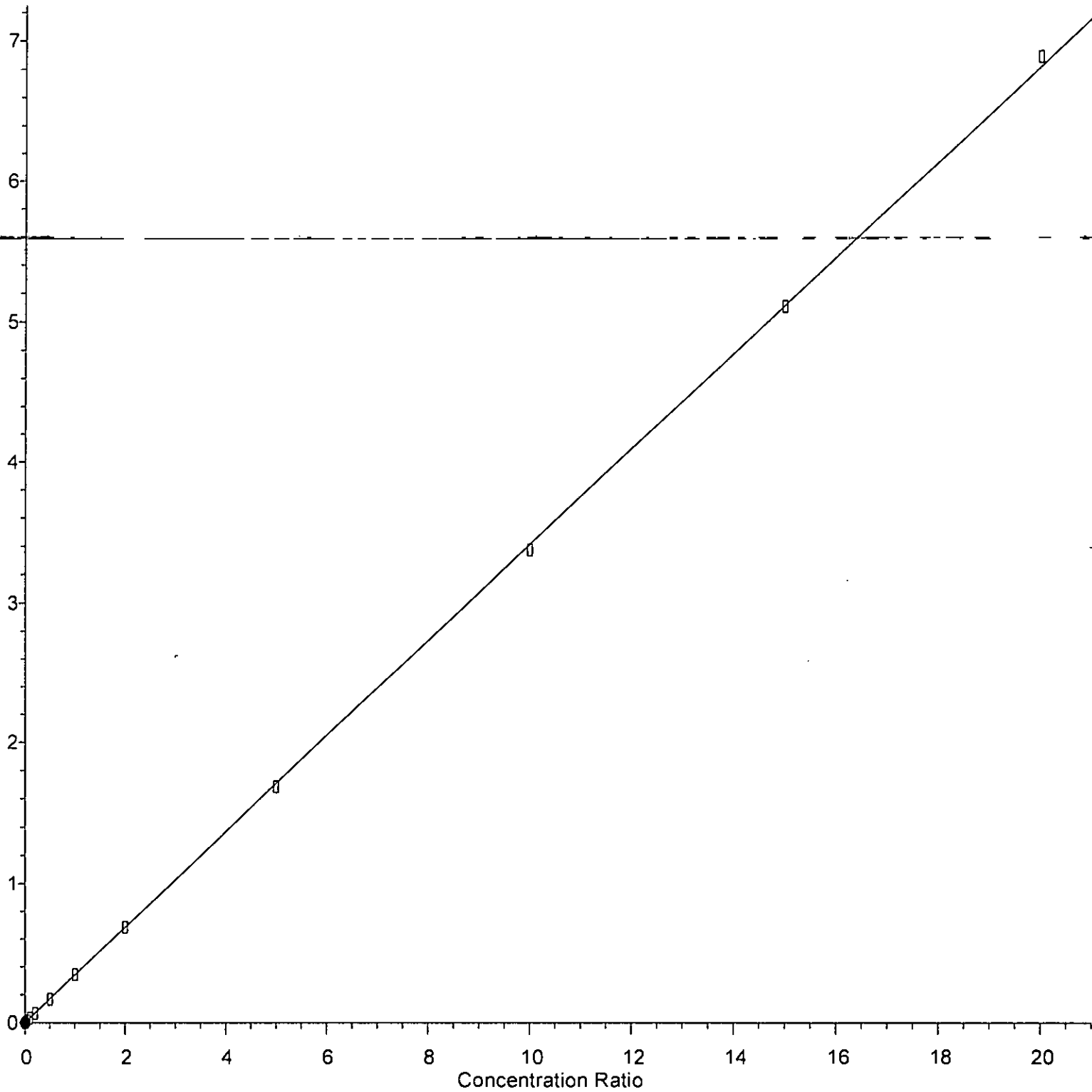
Response Ratio



Response = 3.732e-001 * Amt + 3.423e-004
Coef of Det (r^2) = 0.999976 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

1,2-Dibromoethane (EDB)

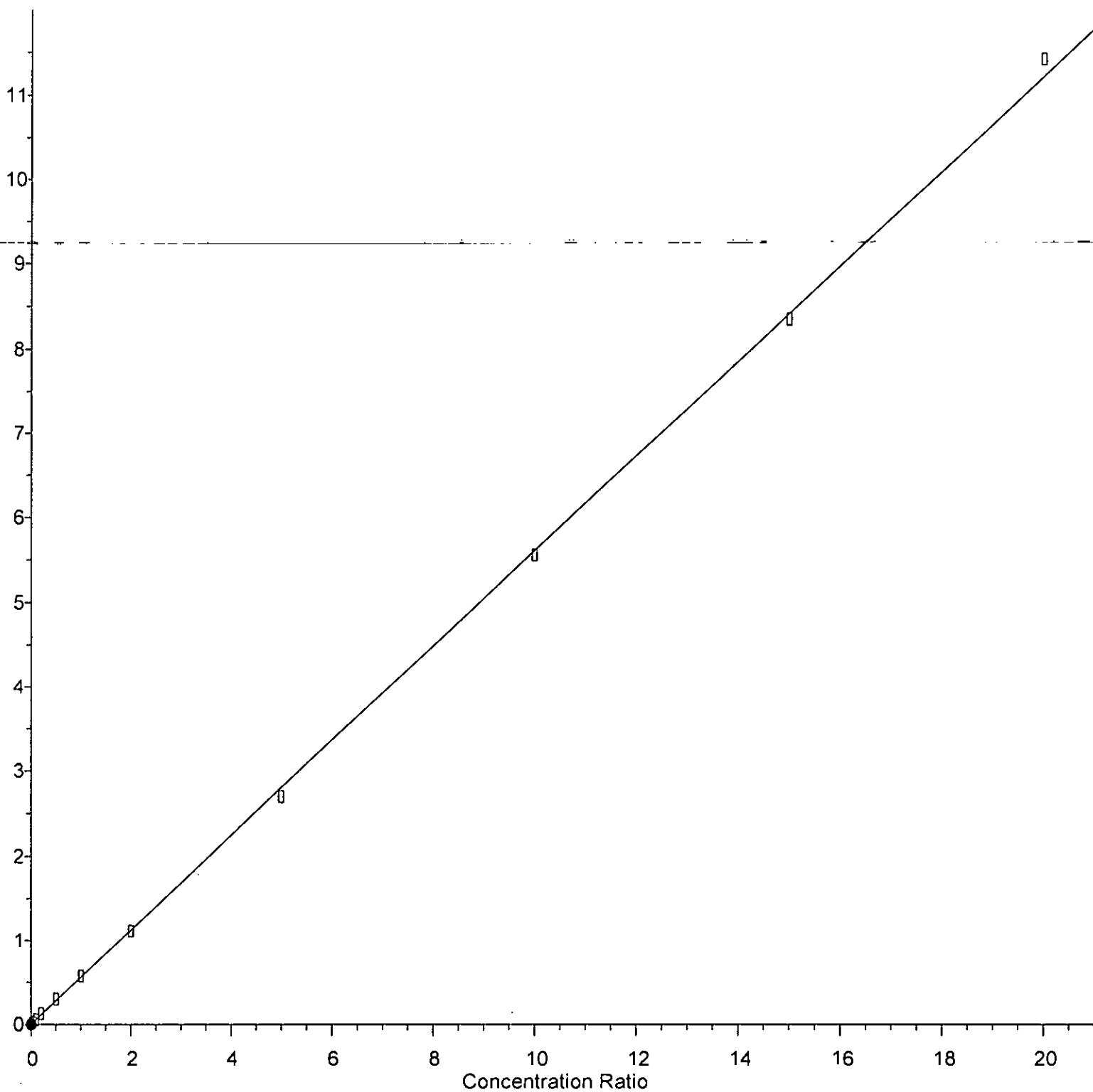
Response Ratio



Response = 3.415e-001 * Amt + 1.575e-004
Coef of Det (r^2) = 0.999907 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

1,1,2,2-Tetrachloroethane

Response Ratio



Response = 5.607e-001 * Amt + 4.761e-003
Coef of Det (r^2) = 0.999533 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\061523vms13.M
Calibration Table Last Updated: Fri Jun 16 07:37:11 2023

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 93938 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 78472 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 42006 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 28712 | 10.121 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 101.20% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5843 | 9.967 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 99.70% | |
| 35) Toluene-d8 | 6.10 | 98 | 90084 | 9.998 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 100.00% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 32644 | 10.258 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 102.60% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | d | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | d | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | d | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | d | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | d | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | d | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | | |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | d | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | d | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | d | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | d | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | d | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | d | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | d | | |
| 26) 1,2-Dichloroethane (EDC) | 0.00 | | 0 | N.D. | d | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | d | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | d | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | d | | |
| 31) Benzene | 0.00 | | 0 | N.D. | d | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. | d | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | d | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | d | | |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

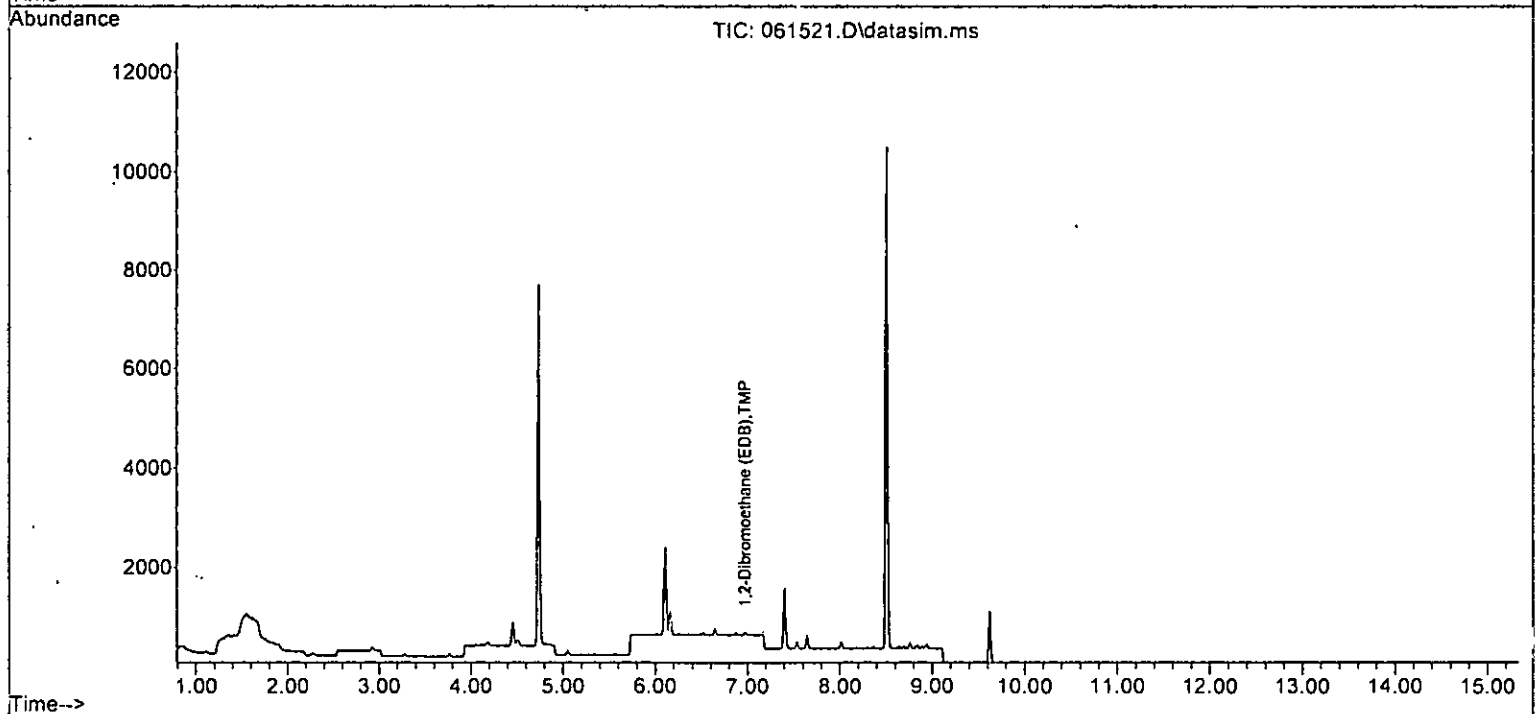
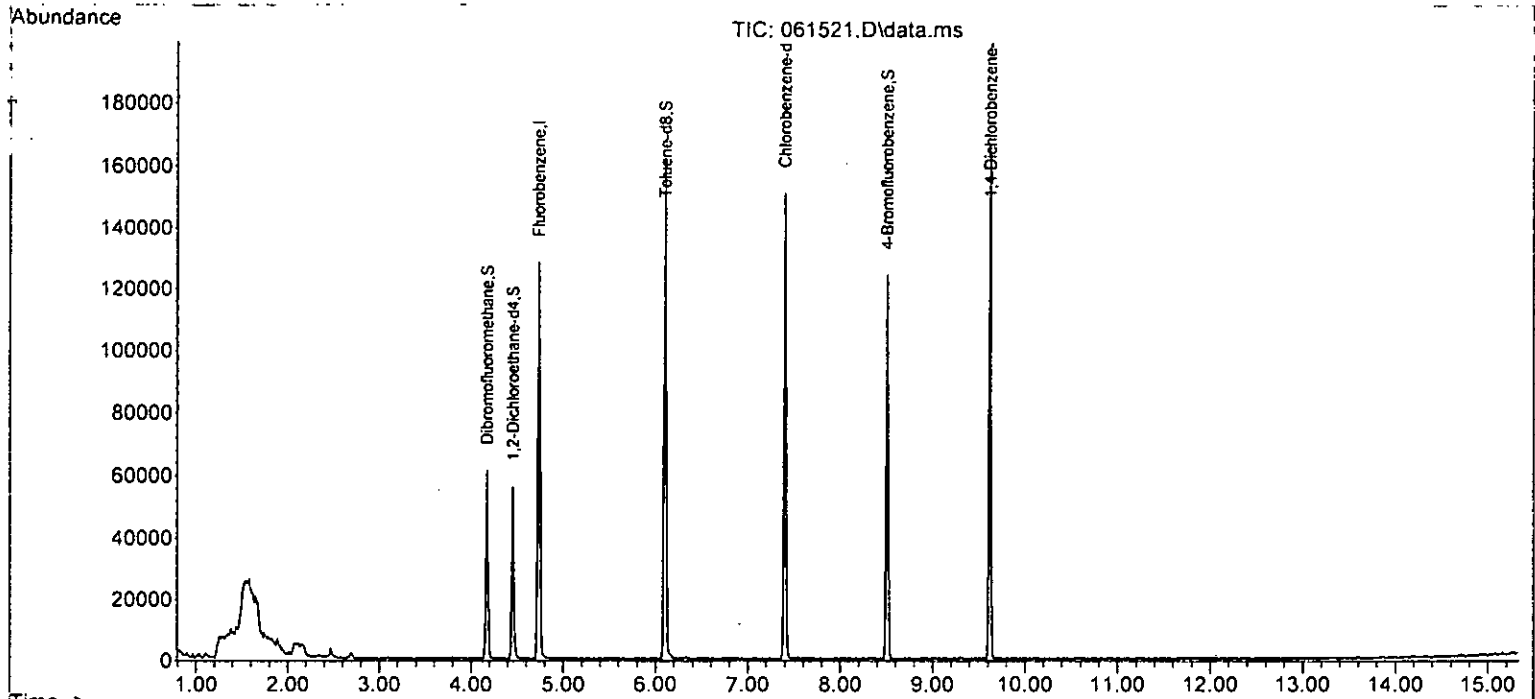
Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 0.00 | | 0 | | N.D. d | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. d | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45) Tetrachloroethene | 0.00 | | 0 | | N.D. d | |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 40 | 0.010 | ppb | 86 |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. d | |
| 49) Ethylbenzene | 0.00 | | 0 | | N.D. d | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51) m,p-Xylene | 0.00 | | 0 | | N.D. d | |
| 52) o-Xylene | 0.00 | | 0 | | N.D. d | |
| 53) Styrene | 0.00 | | 0 | | N.D. d | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. d | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. d | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | | N.D. d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 0.00 | | 0 | | N.D. d | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 10.121 | -1.2 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.11# |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | -1.000 | 0.000 | 0.0 | 0 | -1.33# |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.64# |
| 9 TMP | Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.85# |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 12 TMP | 1,1-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -2.26# |
| 13 TMP | Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.15# |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | -1.000 | 0.000 | 0.0 | 0 | -2.92# |
| 17 TMP | trans-1,2-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -2.91# |
| 18 TMP | Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.34# |
| 19 TMP | 1,1-Dichloroethane | -1.000 | 0.000 | 0.0 | 0 | -3.27# |
| 20 TMP | Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.65# |
| 21 TMP | 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.76# |
| 22 TMP | cis-1,2-Dichloroethene | -1.000 | 0.000 | 0.0 | 0 | -3.76# |
| 23 TMP | Chloroform | -1.000 | 0.000 | 0.0 | 0 | -4.03# |
| 24 TMP | 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.60# |
| 26 TMP | 1,2-Dichloroethane (EDC) | -1.000 | 0.000 | 0.0 | 0 | -4.51# |
| 27 TMP | 1,1,1-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -4.19# |
| 28 TMP | 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 29 TMP | Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.967 | 0.3 | 100 | 0.00 |
| 31 TMP | Benzene | -1.000 | 0.000 | 0.0 | 0 | -4.49# |
| 32 TMP | Trichloroethene | -1.000 | 0.000 | 0.0 | 0 | -5.04# |
| 33 TMP | 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 34 TMP | Bromodichloromethane | -1.000 | 0.000 | 0.0 | 0 | -5.48# |
| 35 S | Toluene-d8 | 10.000 | 9.998 | 0.0 | 100 | 0.00 |
| 36 TMP | Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.34# |
| 37 TMP | 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -5.86# |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | -1.000 | 0.000 | 0.0 | 0 | -6.16# |
| 41 TMP | trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.36# |
| 42 TMP | 1,1,2-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -6.51# |
| 43 TMP | 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.67# |
| 45 TMP Tetrachloroethene | -1.000 | 0.000 | 0.0 | 0 | -6.65# |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.010 | 0.010 | 0.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.43# |
| 49 TMP Ethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -7.54# |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.50# |
| 51 TMP m,p-Xylene | -1.000 | 0.000 | 0.0 | 0 | -7.64# |
| 52 TMP o-Xylene | -1.000 | 0.000 | 0.0 | 0 | -8.01# |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -8.03# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.37# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.258 | -2.6 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.76# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | -1.000 | 0.000 | 0.0 | 0 | -8.69# |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.84# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.94# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.29# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.59# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.77# |
| 75 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -12.07# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S | Dibromofluoromethane | 0.302 | 0.306 | -1.3 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.000# | 100.0# | 0# | -1.11# |
| 5 TMP | Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP | Vinyl chloride | 0.628 | 0.000# | 100.0# | 0# | -1.33# |
| 7 TMP | Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP | Chloroethane | 0.292 | 0.000# | 100.0# | 0# | -1.64# |
| 9 TMP | Trichlorofluoromethane | 1.250 | 0.000# | 100.0# | 0# | -1.85# |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP | Acetone | 0.035 | 0.000# | 100.0# | 0# | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.000# | 100.0# | 0# | -2.26# |
| 13 TMP | Hexane | 0.343 | 0.000# | 100.0# | 0# | -3.15# |
| 14 TMP | Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.000# | 100.0# | 0# | -2.92# |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.000# | 100.0# | 0# | -2.91# |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.000# | 100.0# | 0# | -3.34# |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.000# | 100.0# | 0# | -3.27# |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.000# | 100.0# | 0# | -3.65# |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.000# | 100.0# | 0# | -3.76# |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.000# | 100.0# | 0# | -3.76# |
| 23 TMP | Chloroform | 0.454 | 0.000# | 100.0# | 0# | -4.03# |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.000# | 100.0# | 0# | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.000# | 100.0# | 0# | -4.60# |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.000# | 100.0# | 0# | -4.51# |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.000# | 100.0# | 0# | -4.19# |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.000# | 100.0# | 0# | -4.32# |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.000# | 100.0# | 0# | -4.32# |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.000# | 100.0# | 0# | -4.49# |
| 32 TMP | Trichloroethene | 0.319 | 0.000# | 100.0# | 0# | -5.04# |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.000# | 100.0# | 0# | -5.23# |
| 34 TMP | Bromodichloromethane | 0.335 | 0.000# | 100.0# | 0# | -5.48# |
| 35 S | Toluene-d8 | 0.959 | 0.959 | 0.0 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.000# | 100.0# | 0# | -5.34# |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.000# | 100.0# | 0# | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.000# | 100.0# | 0# | -5.86# |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.000# | 100.0# | 0# | -6.16# |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.000# | 100.0# | 0# | -6.36# |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.000# | 100.0# | 0# | -6.51# |
| 43 TMP | 2-Hexanone | 0.293 | 0.000# | 100.0# | 0# | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061521.D
 Acq On : 15 Jun 2023 03:54 pm
 Operator : MD
 Sample : 0.01 ppb 8260 ICAL 69-113e
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.000# | 100.0# | 0# | -6.67# |
| 45 TMP Tetrachloroethene | 0.396 | 0.000# | 100.0# | 0# | -6.65# |
| 46 TMP Dibromochloromethane | 0.395 | 0.000# | 100.0# | 0# | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.510 | -40.9# | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.000# | 100.0# | 0# | -7.43# |
| 49 TMP Ethylbenzene | 1.452 | 0.000# | 100.0# | 0# | -7.54# |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.000# | 100.0# | 0# | -7.50# |
| 51 TMP m,p-Xylene | 0.597 | 0.000# | 100.0# | 0# | -7.64# |
| 52 TMP o-Xylene | 0.580 | 0.000# | 100.0# | 0# | -8.01# |
| 53 TMP Styrene | 0.874 | 0.000# | 100.0# | 0# | -8.03# |
| 54 TMP Isopropylbenzene | 1.337 | 0.000# | 100.0# | 0# | -8.37# |
| 55 TMP Bromoform | 0.296 | 0.000# | 100.0# | 0# | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.777 | -2.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 0.000# | 100.0# | 0# | -8.76# |
| 59 TMP Bromobenzene | 0.818 | 0.000# | 100.0# | 0# | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 0.000# | 100.0# | 0# | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.000# | 100.0# | 0# | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.000# | 100.0# | 0# | -8.69# |
| 63 TMP 2-Chlorotoluene | 1.621 | 0.000# | 100.0# | 0# | -8.84# |
| 64 TMP 4-Chlorotoluene | 1.951 | 0.000# | 100.0# | 0# | -8.94# |
| 65 TMP tert-Butylbenzene | 1.982 | 0.000# | 100.0# | 0# | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 0.000# | 100.0# | 0# | -9.29# |
| 67 TMP sec-Butylbenzene | 2.693 | 0.000# | 100.0# | 0# | -9.46# |
| 68 TMP p-Isopropyltoluene | 2.469 | 0.000# | 100.0# | 0# | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 0.000# | 100.0# | 0# | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 0.000# | 100.0# | 0# | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.000# | 100.0# | 0# | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.000# | 100.0# | 0# | -11.59# |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.000# | 100.0# | 0# | -11.77# |
| 75 TMP Naphthalene | 2.135 | 0.000# | 100.0# | 0# | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.000# | 100.0# | 0# | -12.07# |

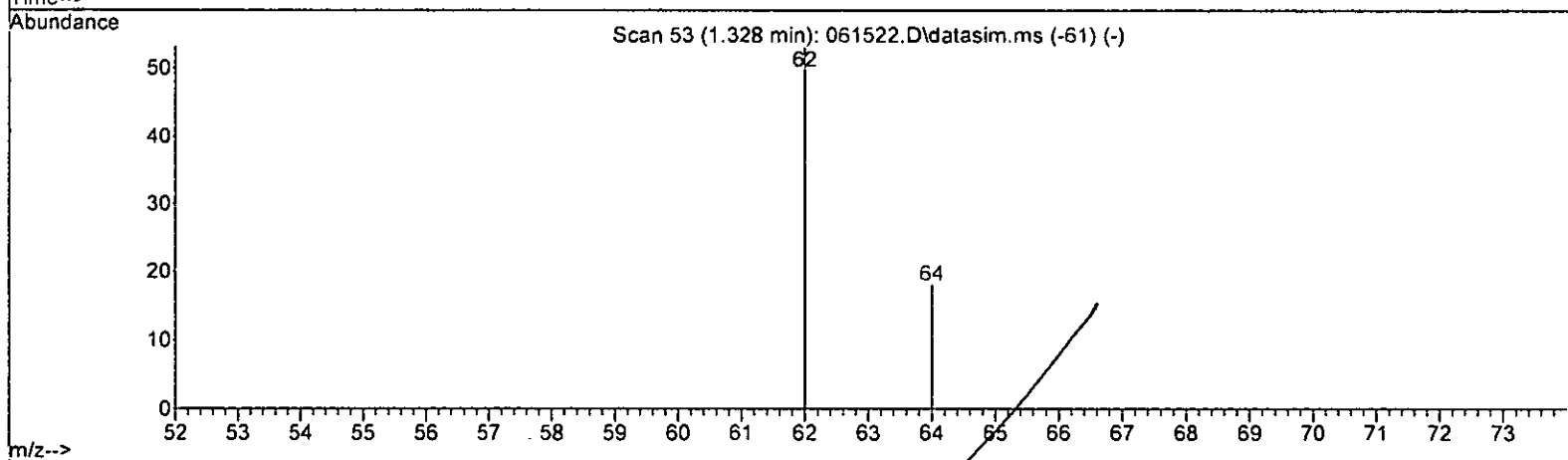
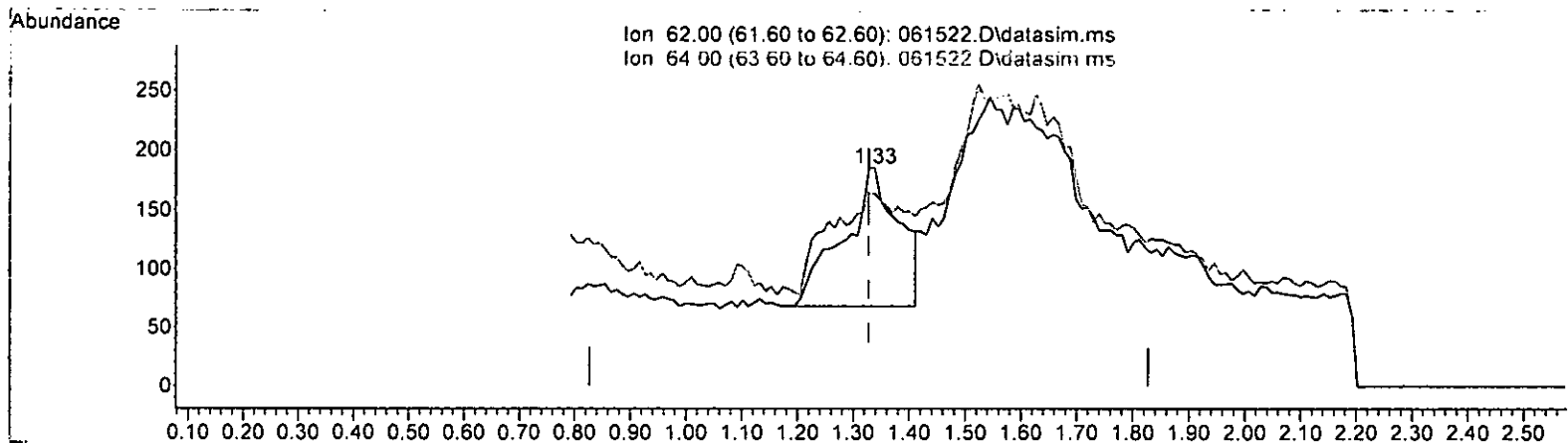
(#) = Out of Range

SPCC's out = 67 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061522.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.142 ppb

response 814

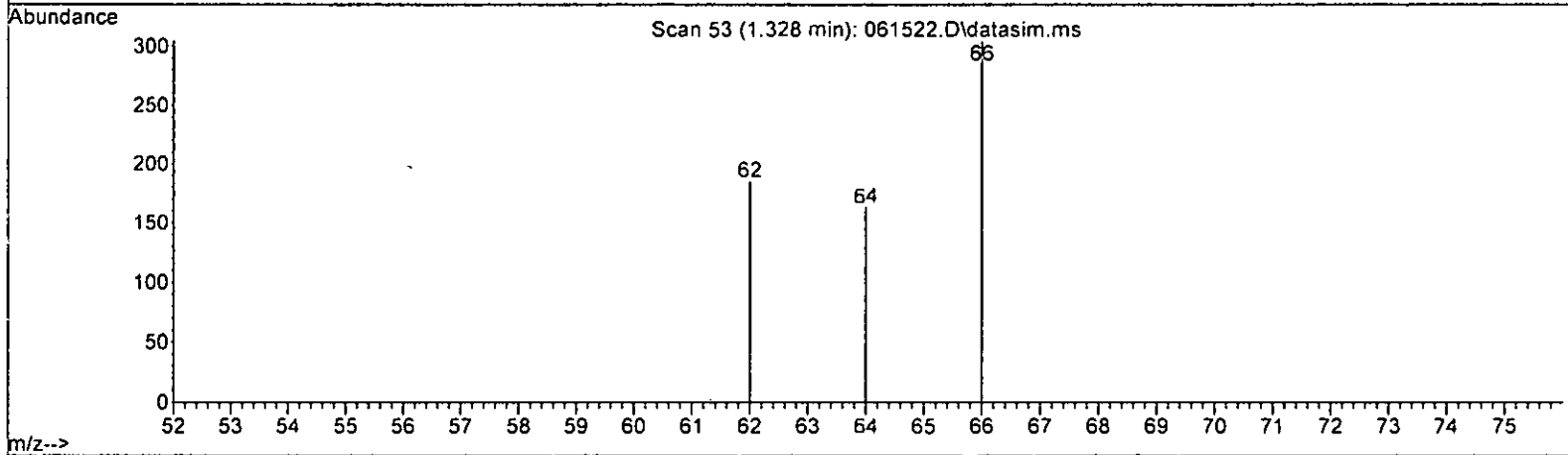
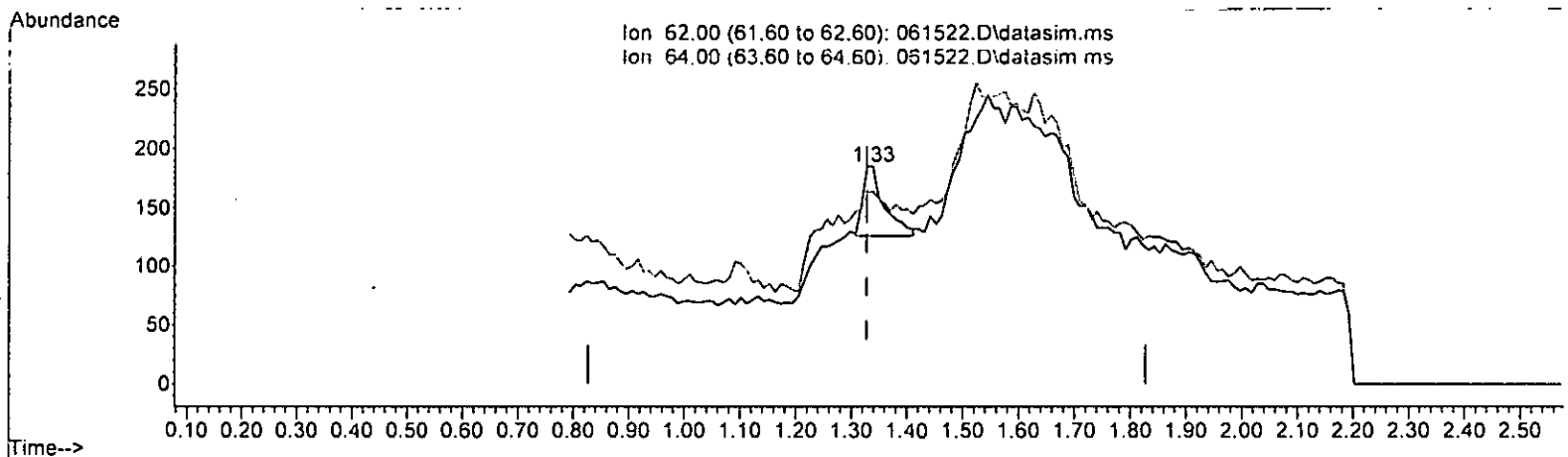
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 66.67# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061522.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.026 ppb m

response 160

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 88.11# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

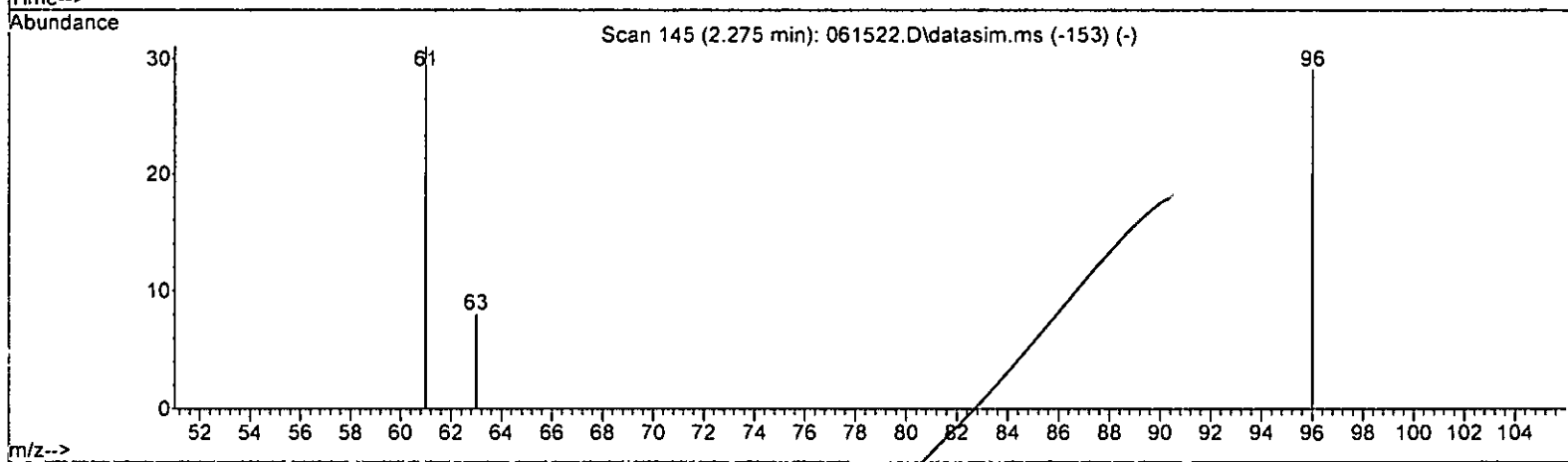
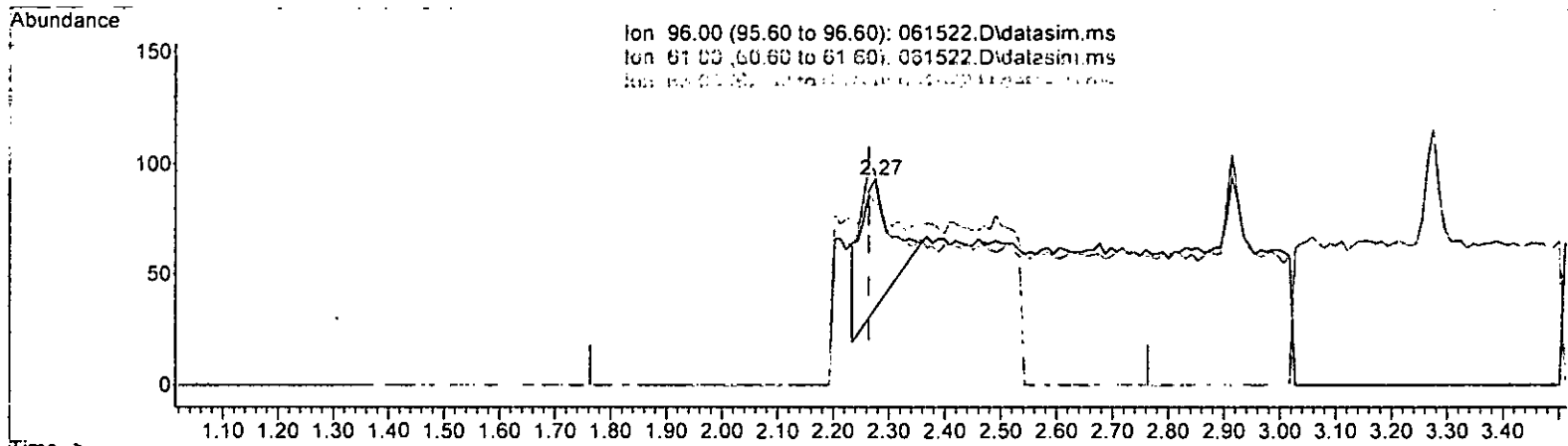
6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061522.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 0.083 ppb

response 225

| Ion | Exp% | Act% |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 117.24# |
| 63.00 | 49.80 | 27.59 |
| 0.00 | 0.00 | 0.00 |

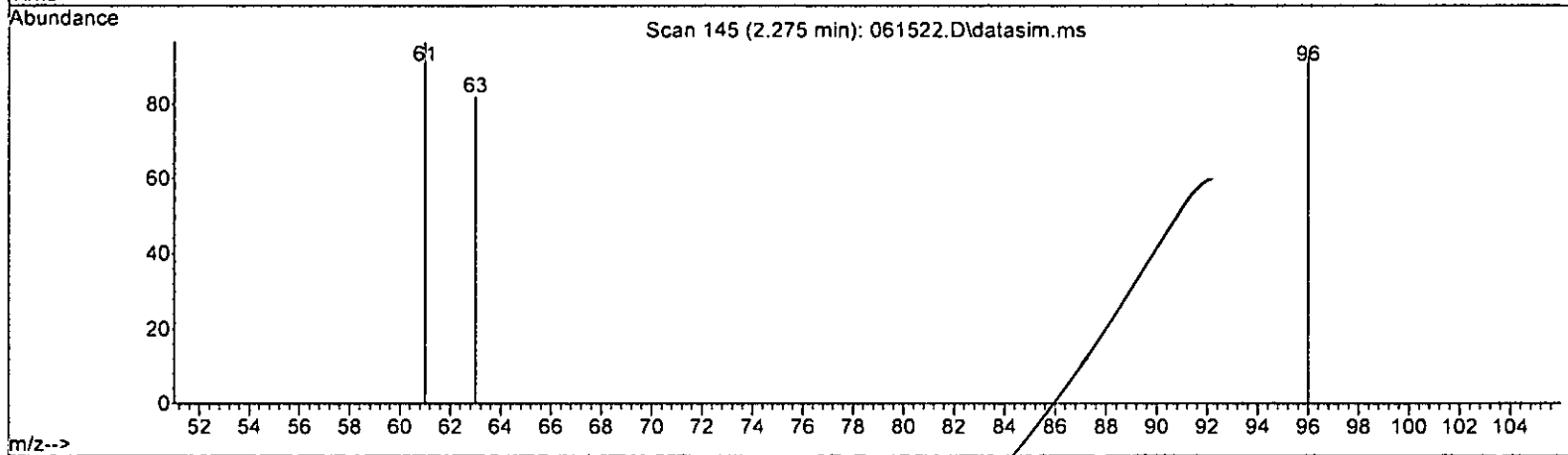
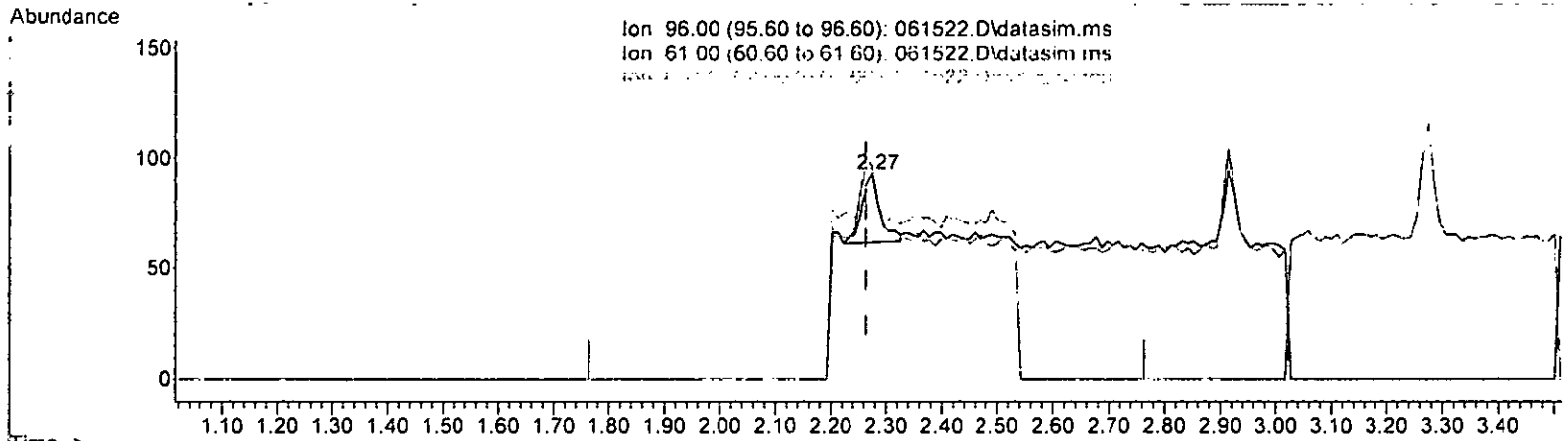
6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061522.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 0.019 ppb m

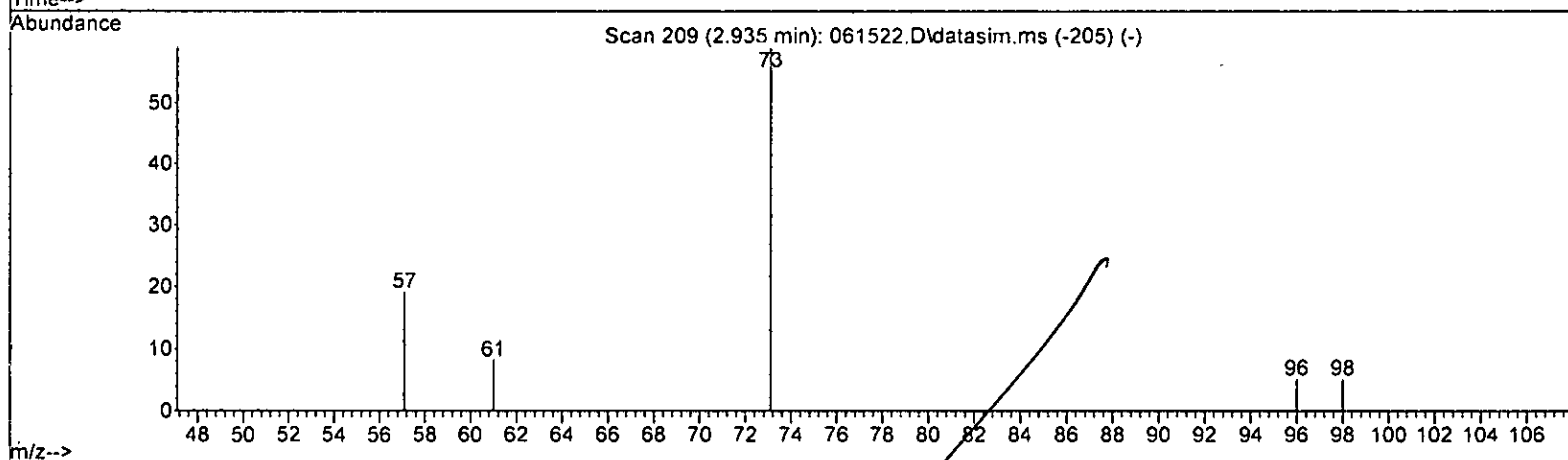
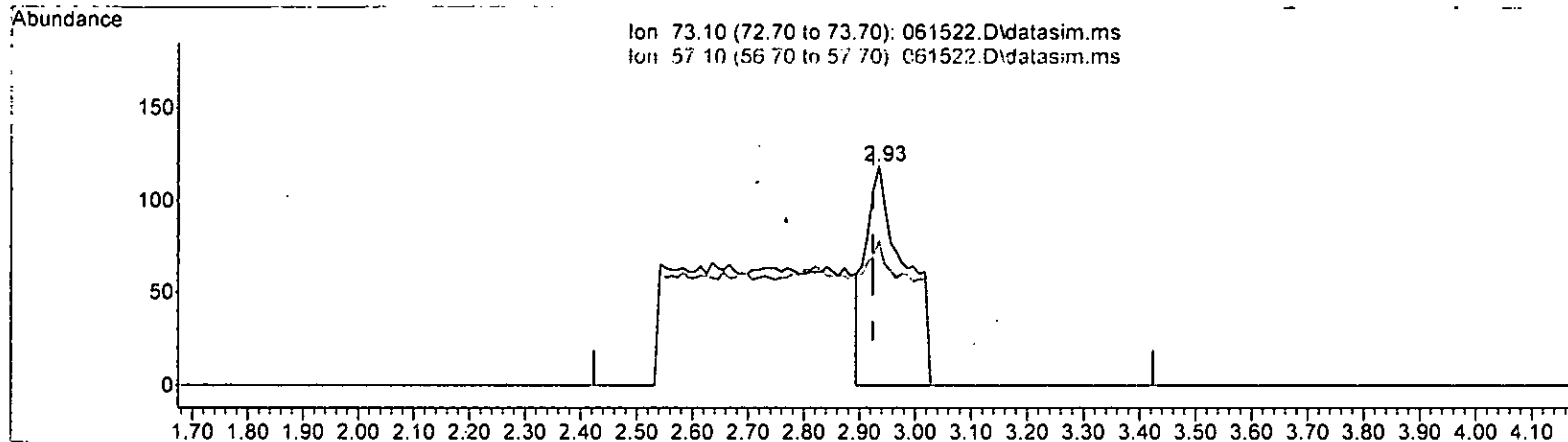
| response | 72 | |
|----------|--------|---------|
| Ion | Exp% | Act% |
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 104.30# |
| 63.00 | 49.80 | 88.17# |
| 0.00 | 0.00 | 0.00 |

Handwritten: X *Handwritten: m 6/16*

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061522.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 0.105 ppb

response 575

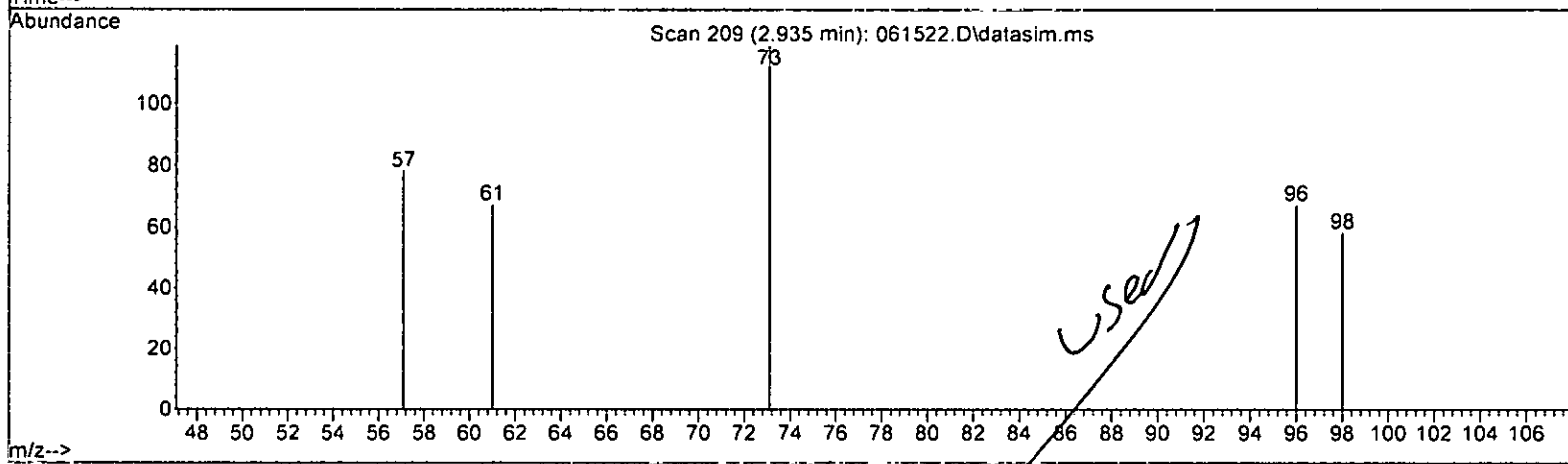
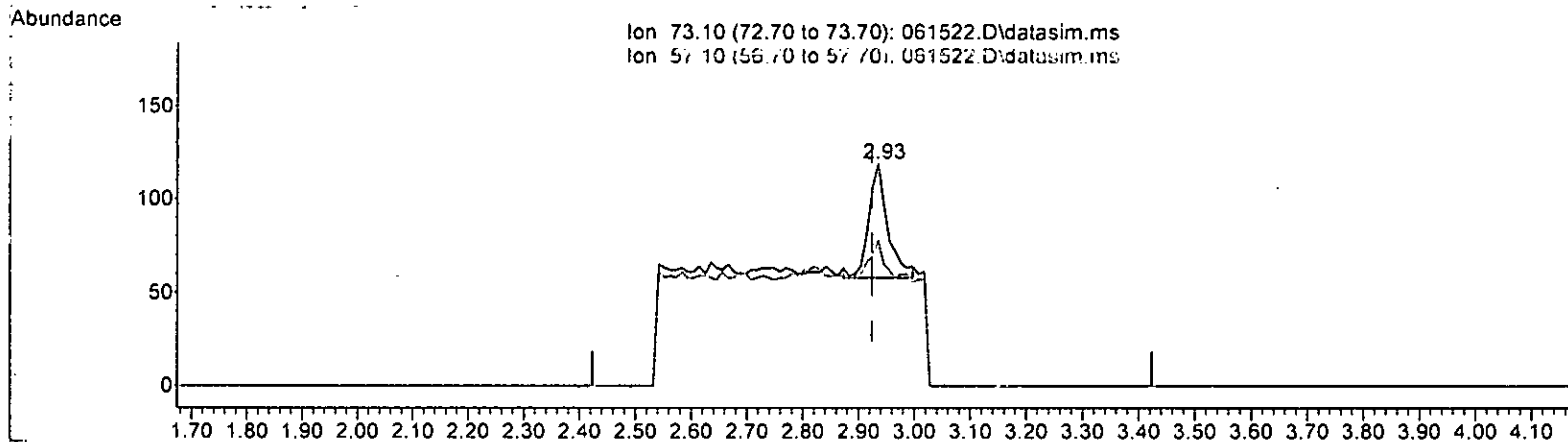
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 65.55# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

5 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061522.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.935min (+ 0.011) 0.026 ppb m

| response | 143 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 65.55# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

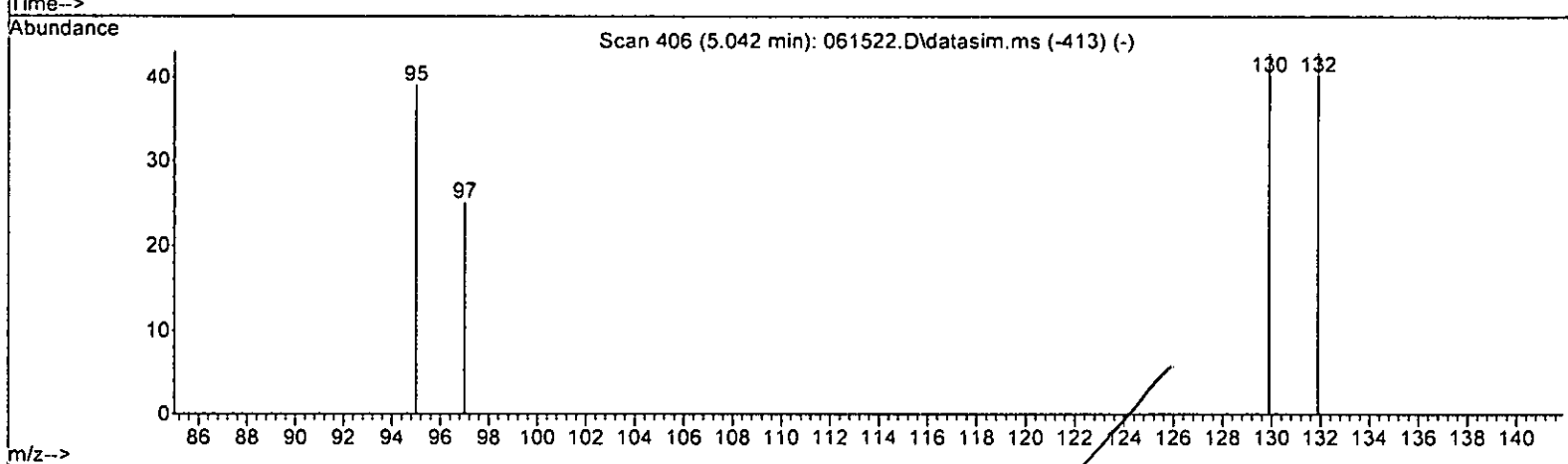
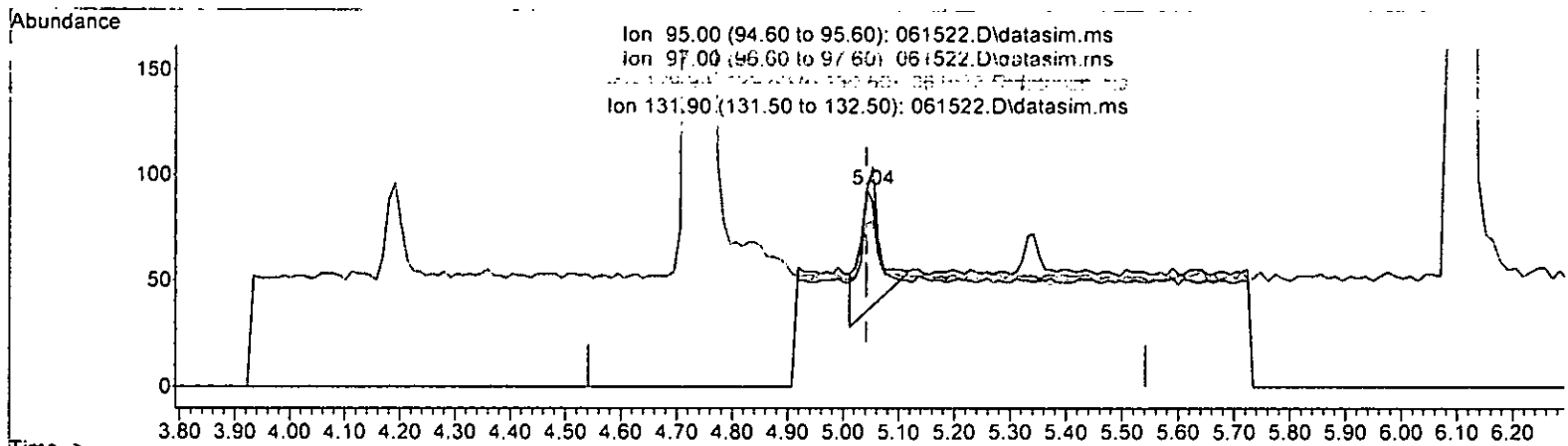
on 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061522.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) 0.046 ppb

response 146

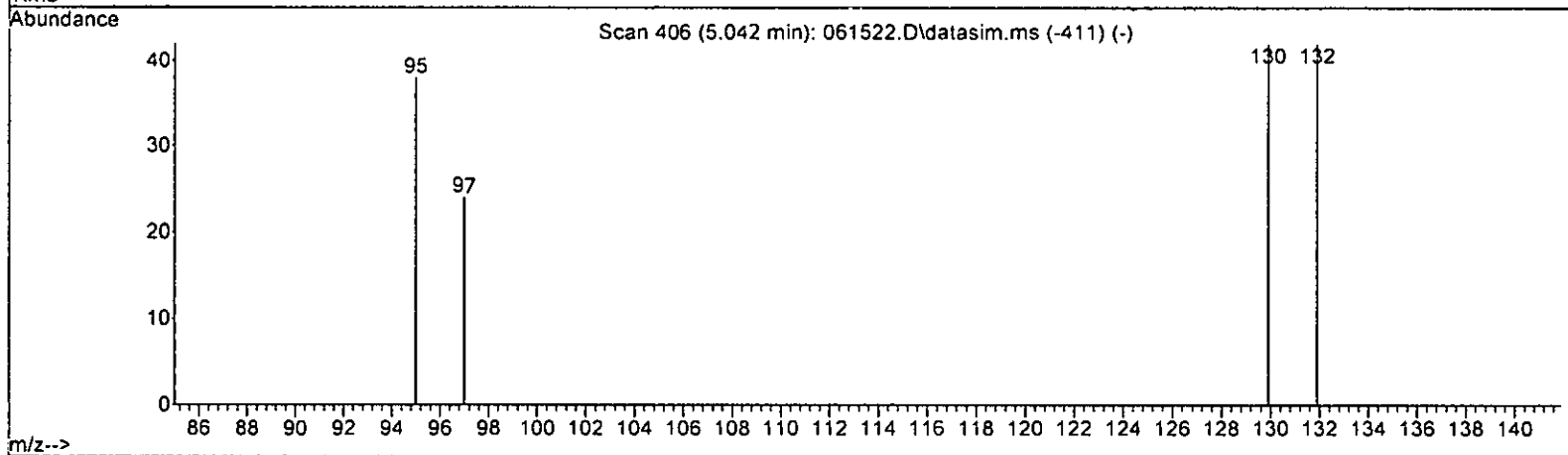
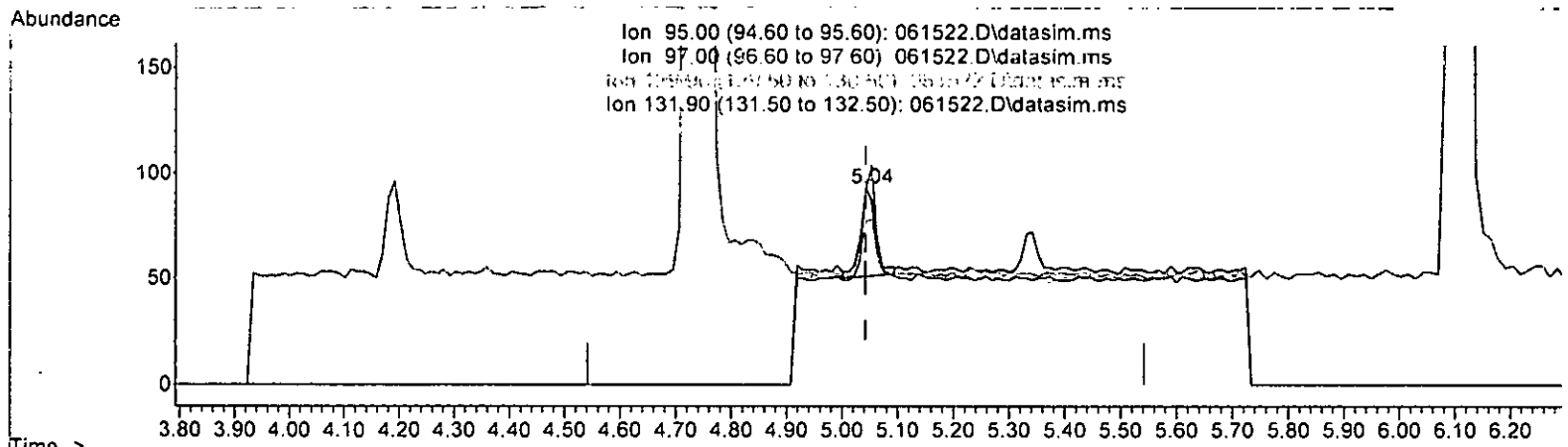
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 65.00 |
| 129.90 | 110.90 | 107.50 |
| 131.90 | 99.40 | 110.00 |

Handwritten note: 26/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Last Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061522.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) 0.022 ppb m

response 78

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 82.80 |
| 129.90 | 110.90 | 100.00 |
| 131.90 | 99.40 | 100.00 |

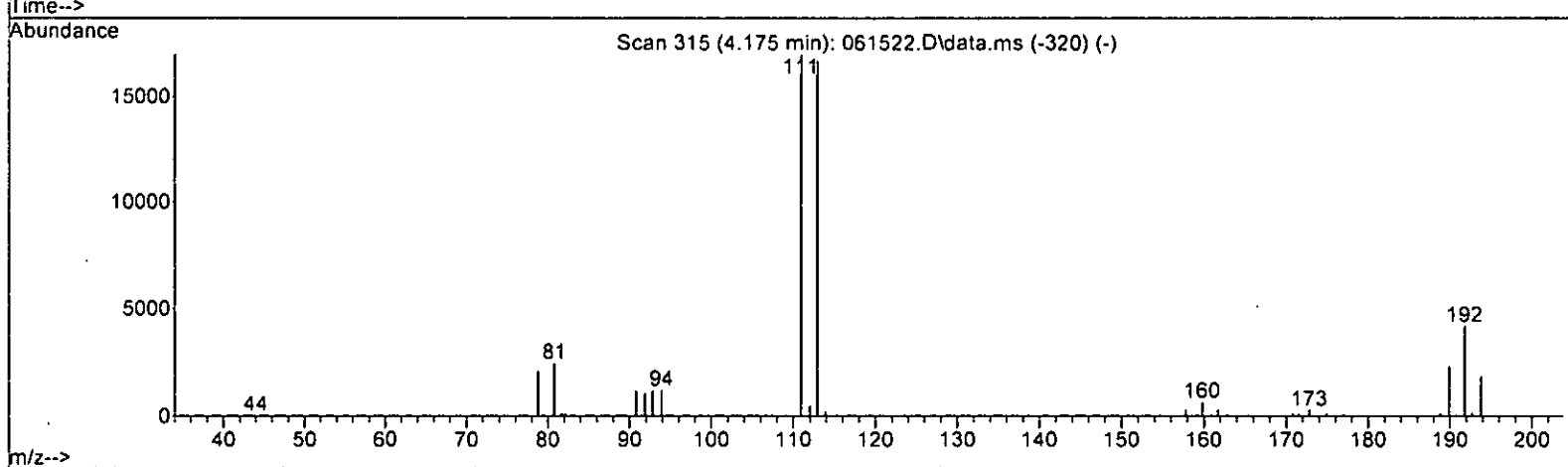
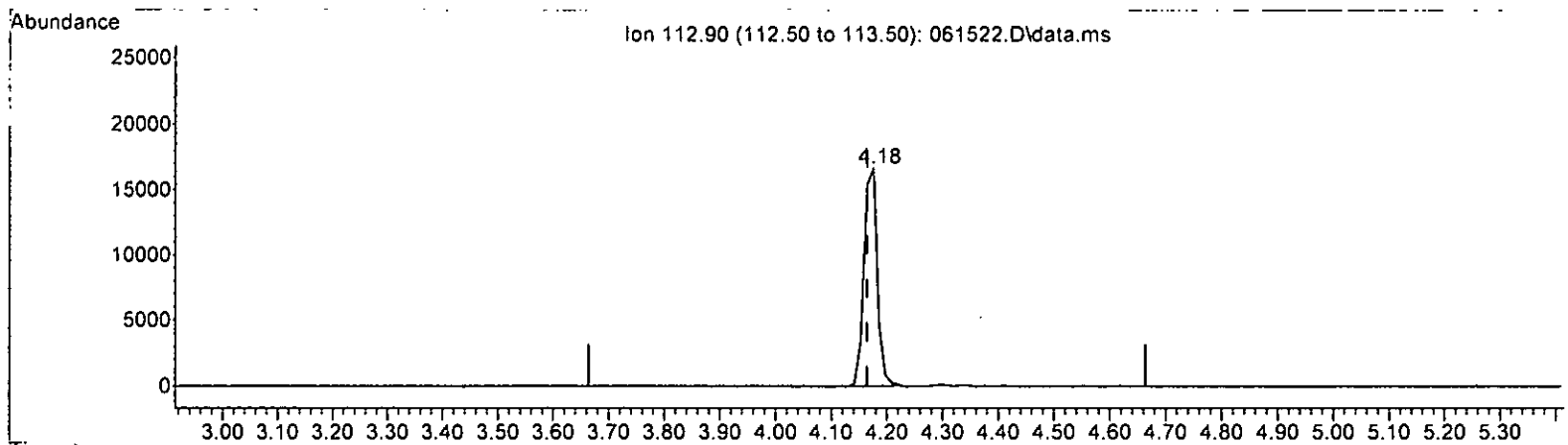
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061522.D\data.ms

(3) Dibromofluoromethane (S)

4.175min (+ 0.011) 10.062 ppb m

| response | 27719 |
|----------|---------------|
| Ion | Exp% Act% |
| 112.90 | 100.00 100.00 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

*accidental
 deletion
 W
 6/16*

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|--------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 91213 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 75834 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39291 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 27719m | 10.062 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.60% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5932 | 10.421 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 104.20% | | |
| 35) Toluene-d8 | 6.11 | 98 | 88580 | 10.125 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 101.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 30817 | 10.353 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 103.50% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | d | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.33 | 62 | 160m | 0.026 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | d | | |
| 11) Acetone | 0.00 | | 0 | N.D. | d | | |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 72m | 0.019 | ppb | | |
| 13) Hexane | 0.00 | | 0 | N.D. | d | | |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 143m | 0.026 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 51 | 0.022 | ppb | | 96 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | d | | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 93 | 0.024 | ppb | | 94 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | d | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 61 | 0.024 | ppb | | 81 |
| 23) Chloroform | 0.00 | | 0 | N.D. | d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. | d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | d | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 139 | 0.015 | ppb | | 98 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 94 | 0.023 | ppb | | 96 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.50 | 78 | 207 | 0.025 | ppb | | 93 |
| 32] Trichloroethene | 5.04 | 95 | 78m | 0.022 | ppb | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

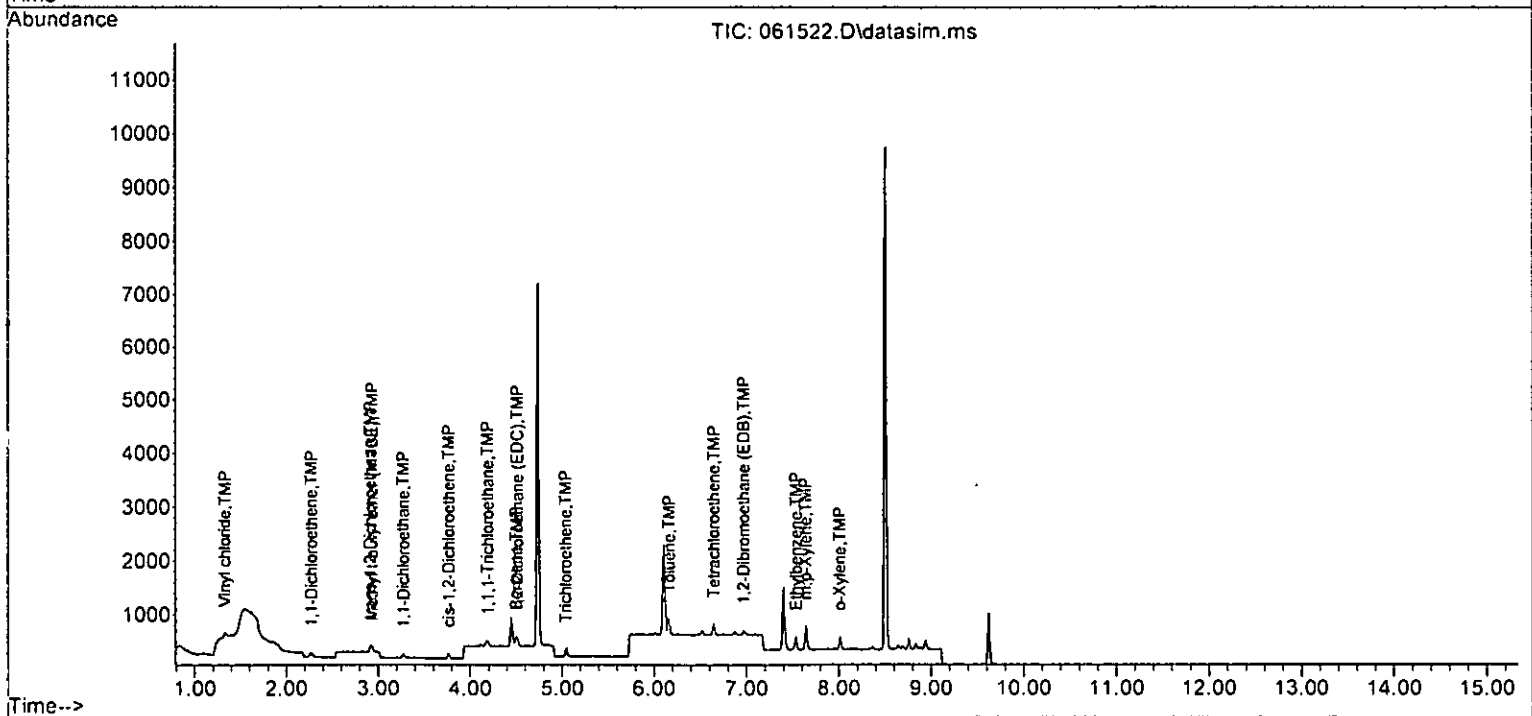
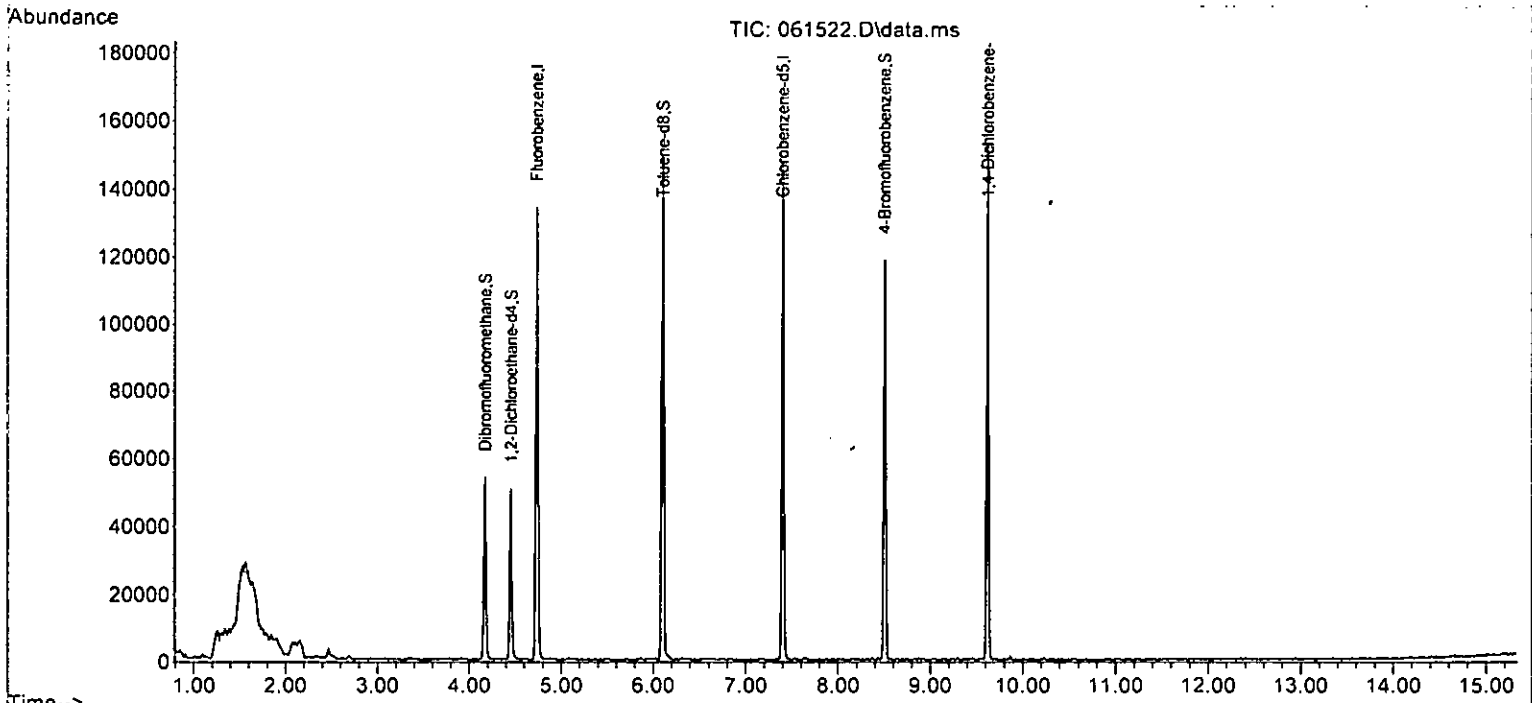
Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. d | |
| 40] Toluene | 6.16 | 92 | 198 | 0.020 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. d | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 77 | 0.018 | ppb | 90 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 73 | 0.024 | ppb | 96 |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. d | |
| 49] Ethylbenzene | 7.54 | 91 | 270 | 0.025 | ppb | 97 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 226 | 0.050 | ppb | 100 |
| 52] o-Xylene | 8.01 | 106 | 104 | 0.024 | ppb | 89 |
| 53) Styrene | 0.00 | | 0 | | N.D. d | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. d | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. d | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. d | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | | N.D. d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. d | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 0.00 | | 0 | | N.D. d | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. d | |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Last Update + Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 10.062 | -0.6 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.11# |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 0.020 | 0.026 | -30.0# | 104 | 0.00 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.64# |
| 9 TMP | Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.85# |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.020 | 0.019 | 5.0 | 94 | 0.01 |
| 13 TMP | Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.15# |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.020 | 0.026 | -30.0# | 111 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.020 | 0.022 | -10.0 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.34# |
| 19 TMP | 1,1-Dichloroethane | 0.020 | 0.024 | -20.0 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.65# |
| 21 TMP | 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.76# |
| 22 TMP | cis-1,2-Dichloroethene | 0.020 | 0.024 | -20.0 | 100 | 0.01 |
| 23 TMP | Chloroform | -1.000 | 0.000 | 0.0 | 0 | -4.03# |
| 24 TMP | 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.60# |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.020 | 0.015 | 25.0# | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.020 | 0.023 | -15.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 29 TMP | Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.421 | -4.2 | 100 | 0.00 |
| 31 TMP | Benzene | 0.020 | 0.025 | -25.0# | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.020 | 0.022 | -10.0 | 88 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 34 TMP | Bromodichloromethane | 0.020 | 0.000 | 100.0# | 0 | -5.48# |
| 35 S | Toluene-d8 | 10.000 | 10.125 | -1.3 | 100 | 0.00 |
| 36 TMP | Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.34# |
| 37 TMP | 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.020 | 0.000 | 100.0# | 0 | -5.86# |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.020 | 0.020 | 0.0 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.36# |
| 42 TMP | 1,1,2-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -6.51# |
| 43 TMP | 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.67# |
| 45 TMP Tetrachloroethene | 0.020 | 0.018 | 10.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.020 | 0.024 | -20.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.43# |
| 49 TMP Ethylbenzene | 0.020 | 0.025 | -25.0# | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.50# |
| 51 TMP m,p-Xylene | 0.040 | 0.050 | -25.0# | 100 | 0.00 |
| 52 TMP o-Xylene | 0.020 | 0.024 | -20.0 | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -8.03# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.37# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.353 | -3.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.76# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.020 | 0.000 | 100.0# | 0 | -8.69# |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.84# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.94# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.29# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.59# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.77# |
| 75 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -12.07# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S Dibromofluoromethane | 0.302 | 0.304 | -0.7 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.000# | 100.0# | 0# | -1.11# |
| 5 TMP Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP Vinyl chloride | 0.628 | 0.877 | -39.6# | 104 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP Chloroethane | 0.292 | 0.000# | 100.0# | 0# | -1.64# |
| 9 TMP Trichlorofluoromethane | 1.250 | 0.000# | 100.0# | 0# | -1.85# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP Acetone | 0.035 | 0.000# | 100.0# | 0# | -2.32# |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.395 | -40.1# | 94 | 0.01 |
| 13 TMP Hexane | 0.343 | 0.000# | 100.0# | 0# | -3.15# |
| 14 TMP Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.784 | -30.4# | 111 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.280 | -8.1 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.000# | 100.0# | 0# | -3.34# |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.510 | -17.5 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.000# | 100.0# | 0# | -3.65# |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.000# | 100.0# | 0# | -3.76# |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.334 | -19.3 | 100 | 0.01 |
| 23 TMP Chloroform | 0.454 | 0.000# | 100.0# | 0# | -4.03# |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.000# | 100.0# | 0# | -3.78# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.000# | 100.0# | 0# | -4.60# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.762 | -72.4# | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.515 | -15.7 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.000# | 100.0# | 0# | -4.32# |
| 29 TMP Carbon tetrachloride | 0.408 | 0.000# | 100.0# | 0# | -4.32# |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.065 | -4.8 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 1.135 | -23.6# | 100 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.428 | -34.2# | 88 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.000# | 100.0# | 0# | -5.23# |
| 34 TMP Bromodichloromethane | 0.335 | 0.000# | 100.0# | 0# | -5.48# |
| 35 S Toluene-d8 | 0.959 | 0.971 | -1.3 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.000# | 100.0# | 0# | -5.34# |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.000# | 100.0# | 0# | -6.01# |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.000# | 100.0# | 0# | -5.86# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 1.305 | -57.0# | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.000# | 100.0# | 0# | -6.36# |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.000# | 100.0# | 0# | -6.51# |
| 43 TMP 2-Hexanone | 0.293 | 0.000# | 100.0# | 0# | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061522.D
 Acq On : 15 Jun 2023 04:18 pm
 Operator : MD
 Sample : 0.02 ppb 8260 ICAL 69-113f
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:37:56 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.000# | 100.0# | 0# | -6.67# |
| 45 TMP Tetrachloroethene | 0.396 | 0.508 | -28.3# | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.000# | 100.0# | 0# | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.481 | -32.9# | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.000# | 100.0# | 0# | -7.43# |
| 49 TMP Ethylbenzene | 1.452 | 1.780 | -22.6# | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.000# | 100.0# | 0# | -7.50# |
| 51 TMP m,p-Xylene | 0.597 | 0.745 | -24.8# | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.686 | -18.3 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.000# | 100.0# | 0# | -8.03# |
| 54 TMP Isopropylbenzene | 1.337 | 0.000# | 100.0# | 0# | -8.37# |
| 55 TMP Bromoform | 0.296 | 0.000# | 100.0# | 0# | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.784 | -3.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 0.000# | 100.0# | 0# | -8.76# |
| 59 TMP Bromobenzene | 0.818 | 0.000# | 100.0# | 0# | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 0.000# | 100.0# | 0# | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.000# | 100.0# | 0# | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.000# | 100.0# | 0# | -8.69# |
| 63 TMP 2-Chlorotoluene | 1.621 | 0.000# | 100.0# | 0# | -8.84# |
| 64 TMP 4-Chlorotoluene | 1.951 | 0.000# | 100.0# | 0# | -8.94# |
| 65 TMP tert-Butylbenzene | 1.982 | 0.000# | 100.0# | 0# | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 0.000# | 100.0# | 0# | -9.29# |
| 67 TMP sec-Butylbenzene | 2.693 | 0.000# | 100.0# | 0# | -9.46# |
| 68 TMP p-Isopropyltoluene | 2.469 | 0.000# | 100.0# | 0# | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 0.000# | 100.0# | 0# | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 0.000# | 100.0# | 0# | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.000# | 100.0# | 0# | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.000# | 100.0# | 0# | -11.59# |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.000# | 100.0# | 0# | -11.77# |
| 75 TMP Naphthalene | 2.135 | 0.000# | 100.0# | 0# | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.000# | 100.0# | 0# | -12.07# |

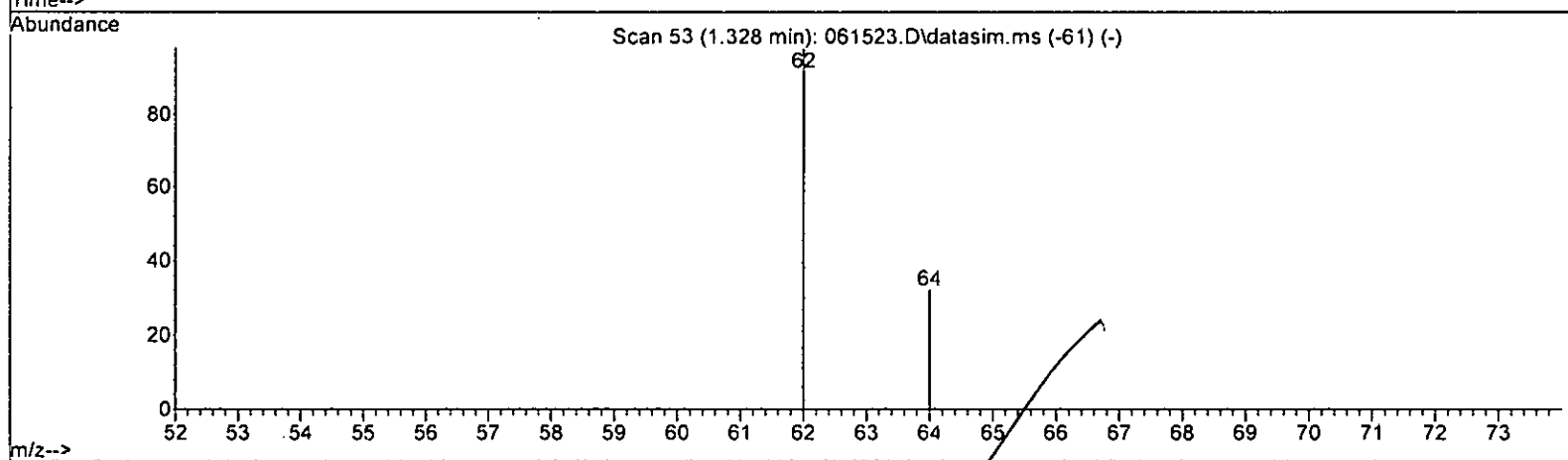
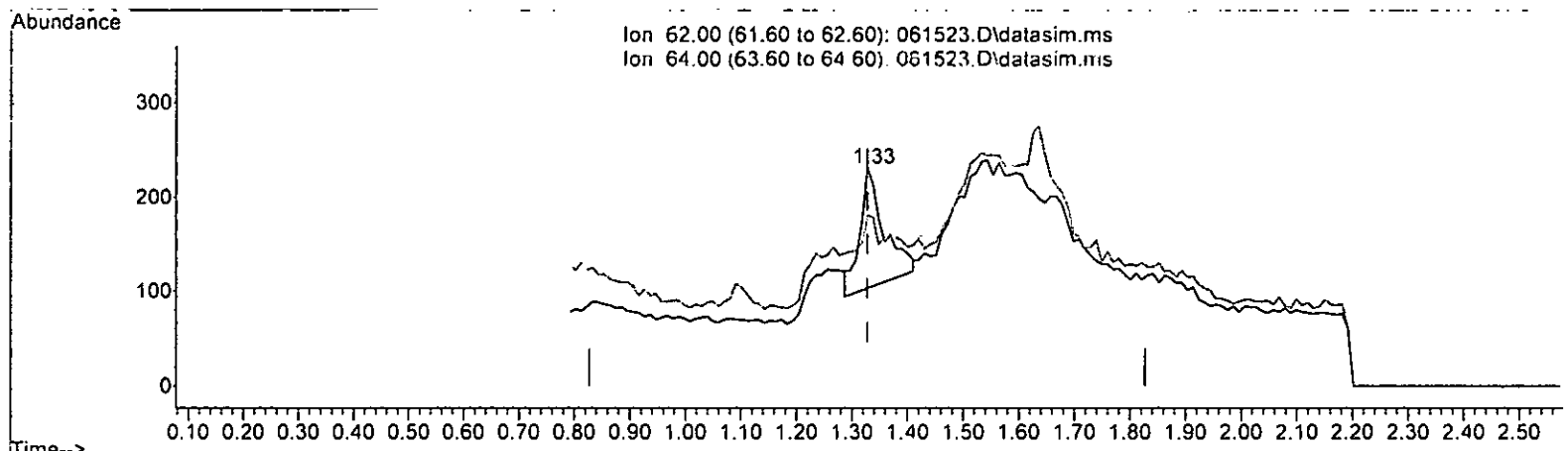
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061523.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (0.000) 0.066 ppb

response 391

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 37.27 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

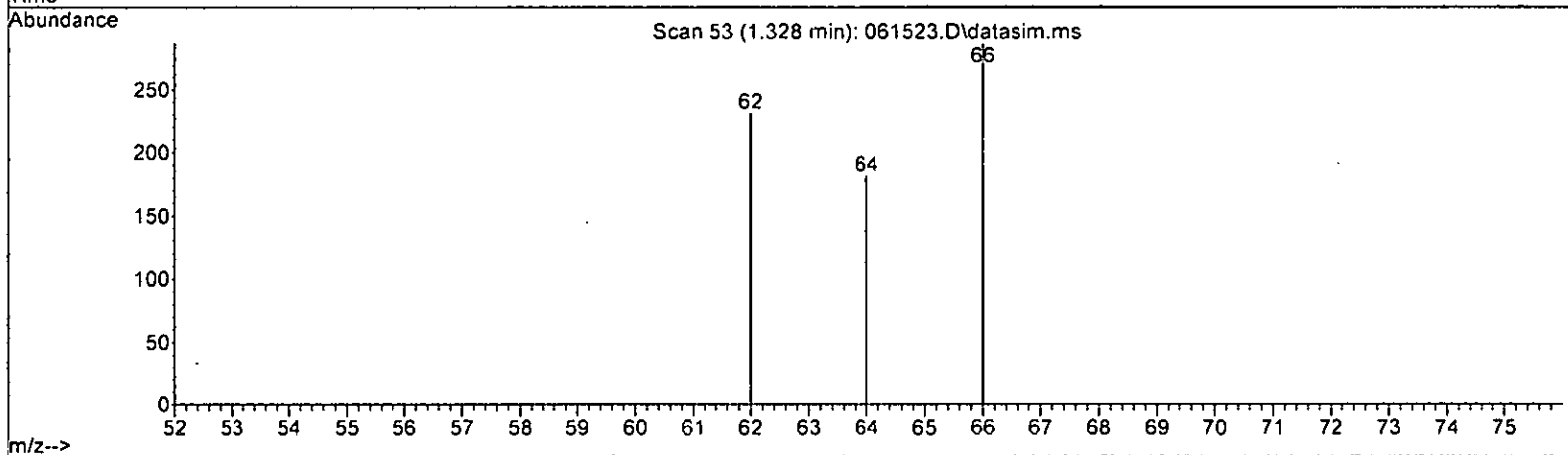
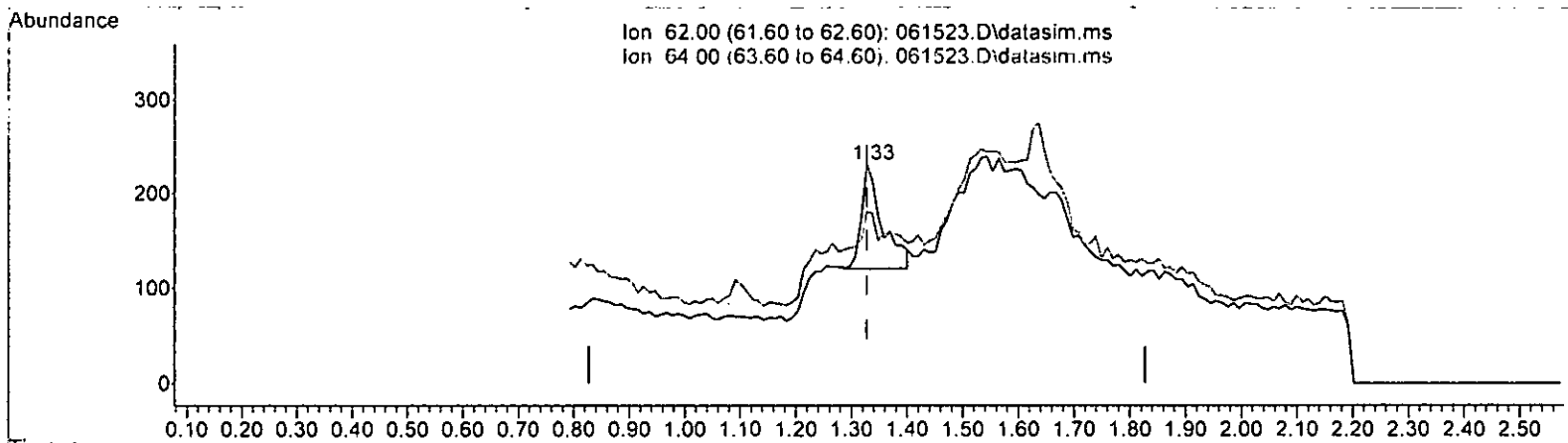
M 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061523.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (0.000) 0.048 ppb m

response 290

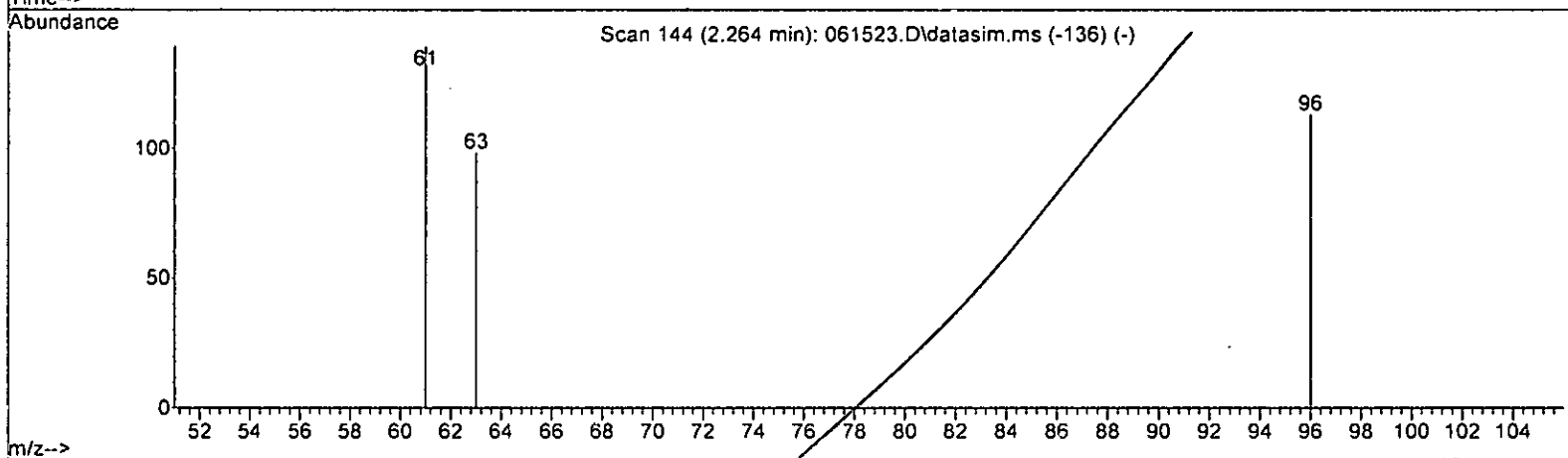
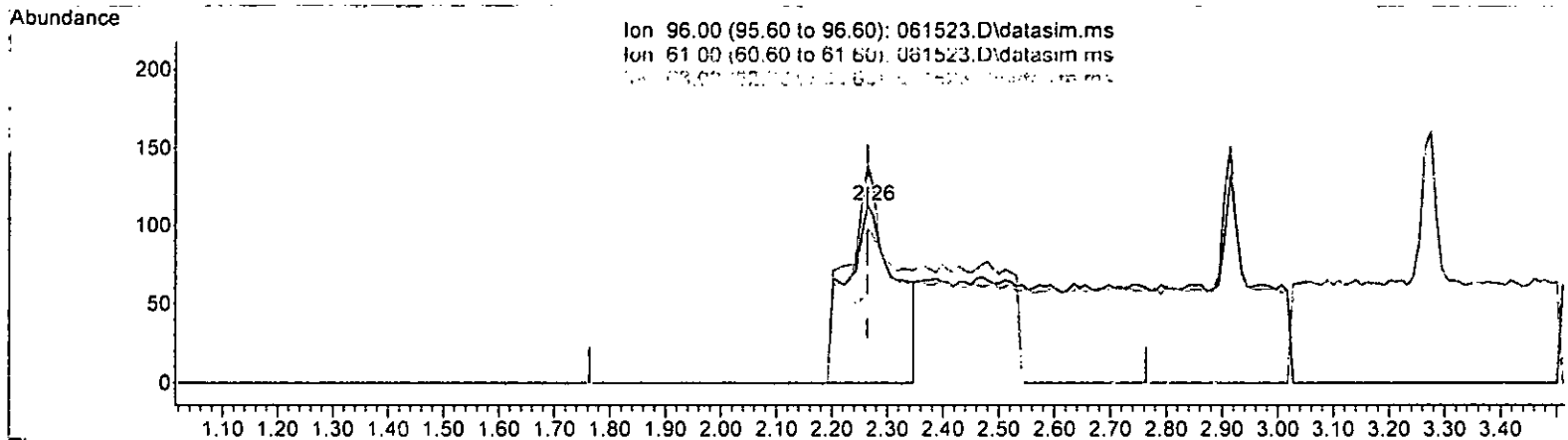
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 78.35# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

5/6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061523.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.000) 0.276 ppb

response 701

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 123.89 |
| 63.00 | 49.80 | 86.73# |
| 0.00 | 0.00 | 0.00 |

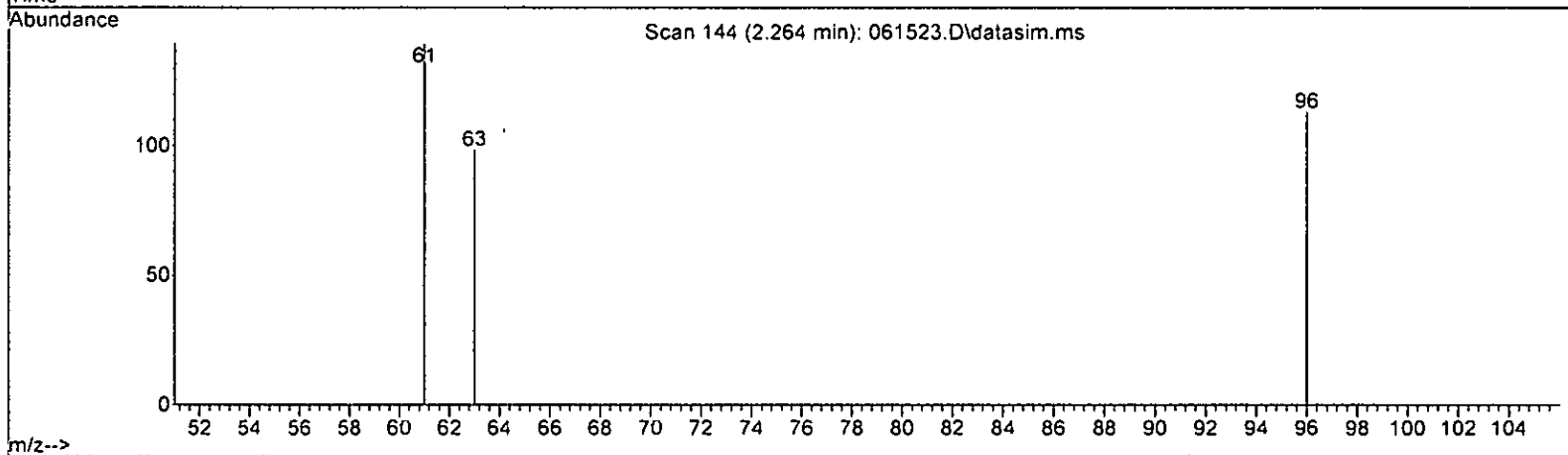
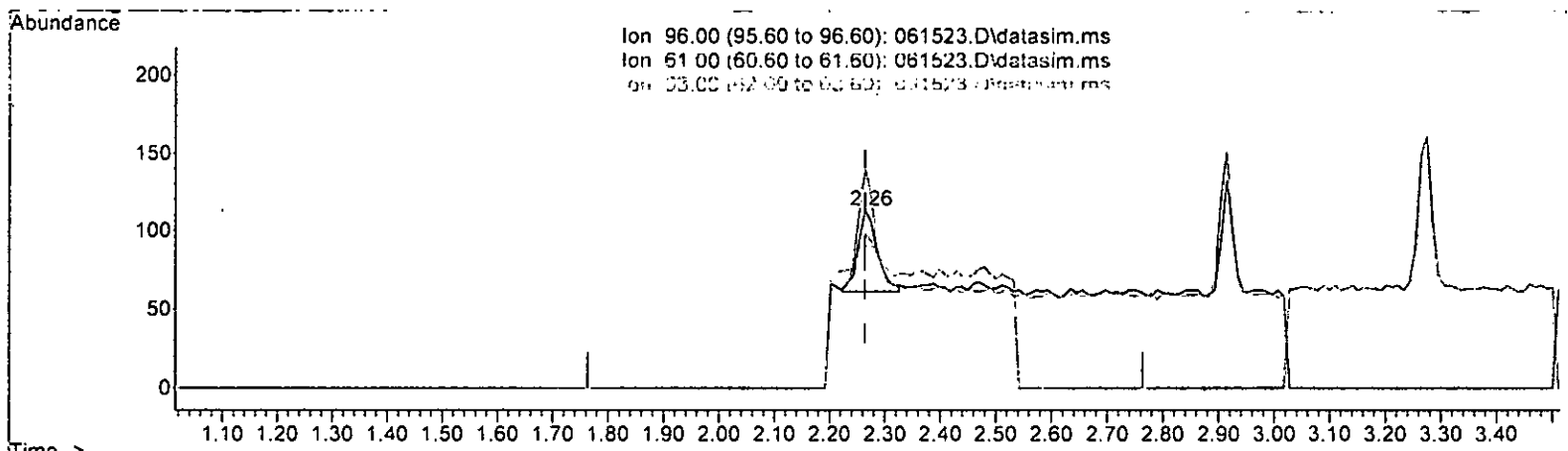
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq Dn : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061523.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.000) 0.041 ppb m

response 126

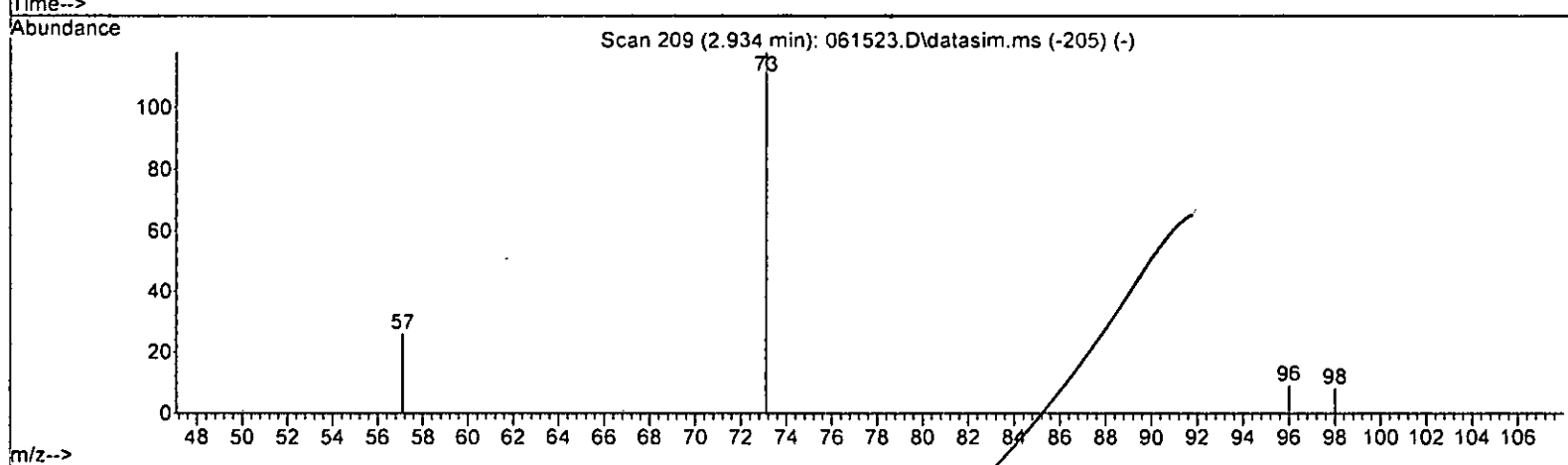
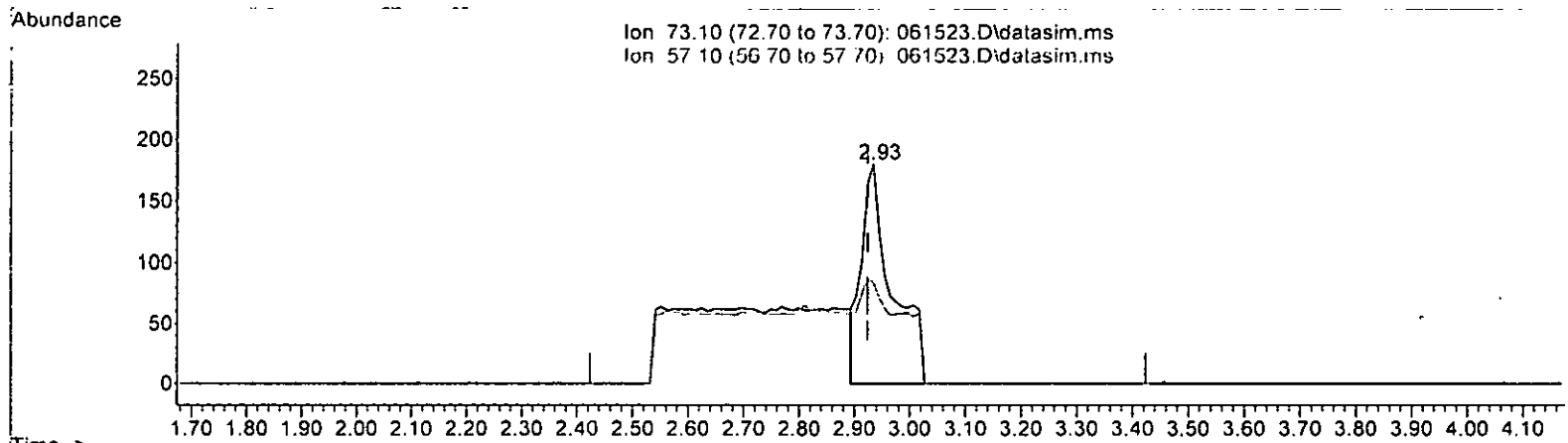
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 123.89 |
| 63.00 | 49.80 | 86.73# |
| 0.00 | 0.00 | 0.00 |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11, 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061523.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (+ 0.010) 0.124 ppb

response 697

| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 46.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

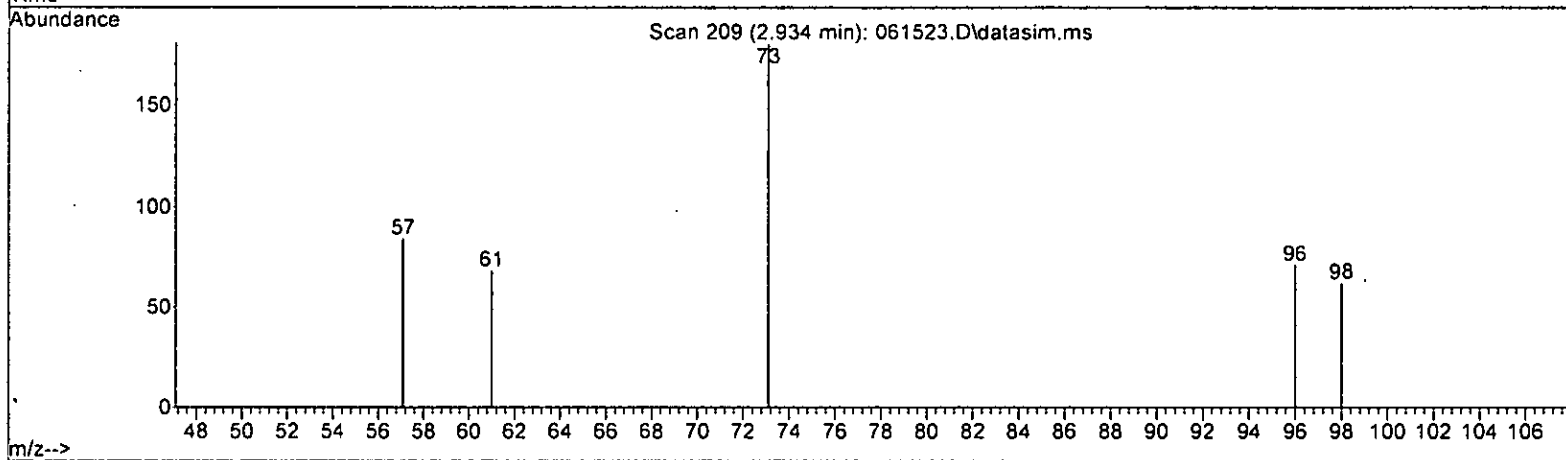
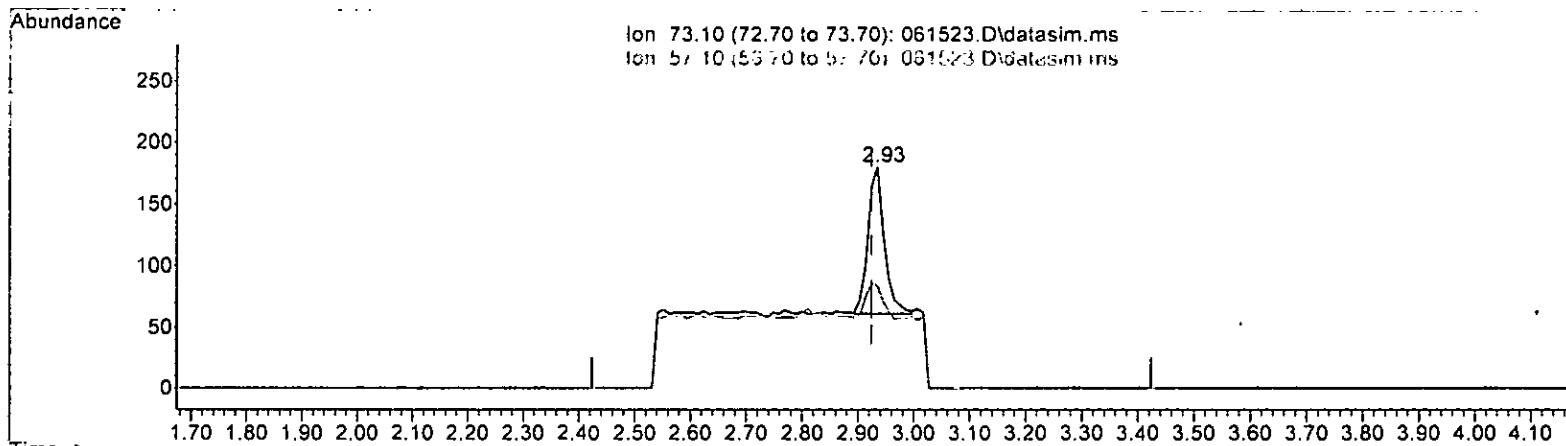
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061523.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (+ 0.010) 0.043 ppb m

response 240

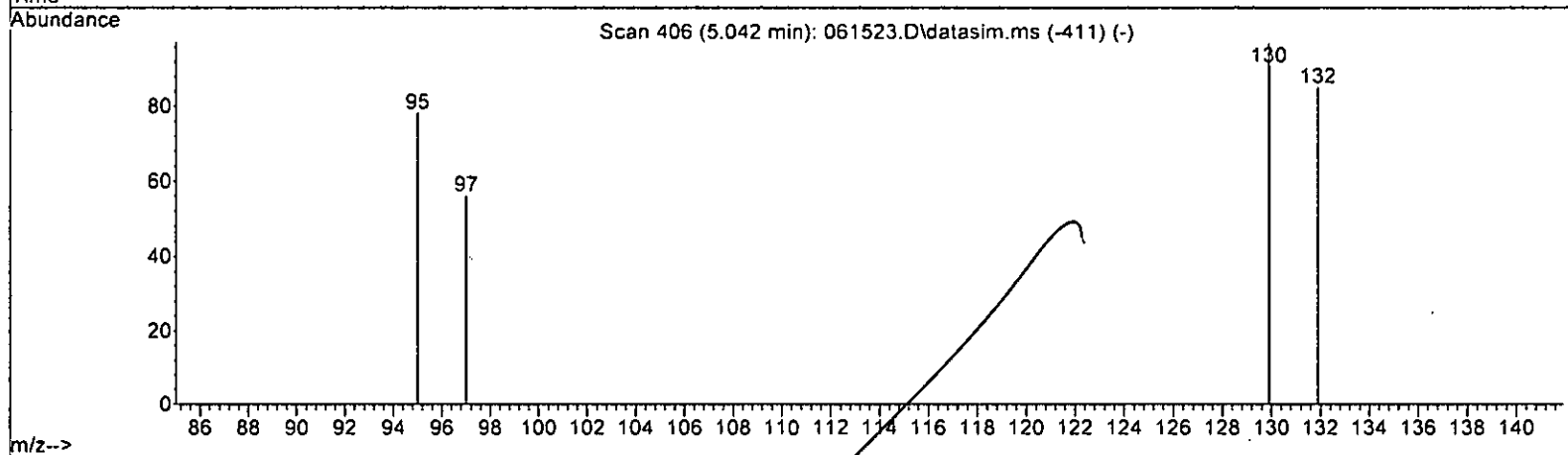
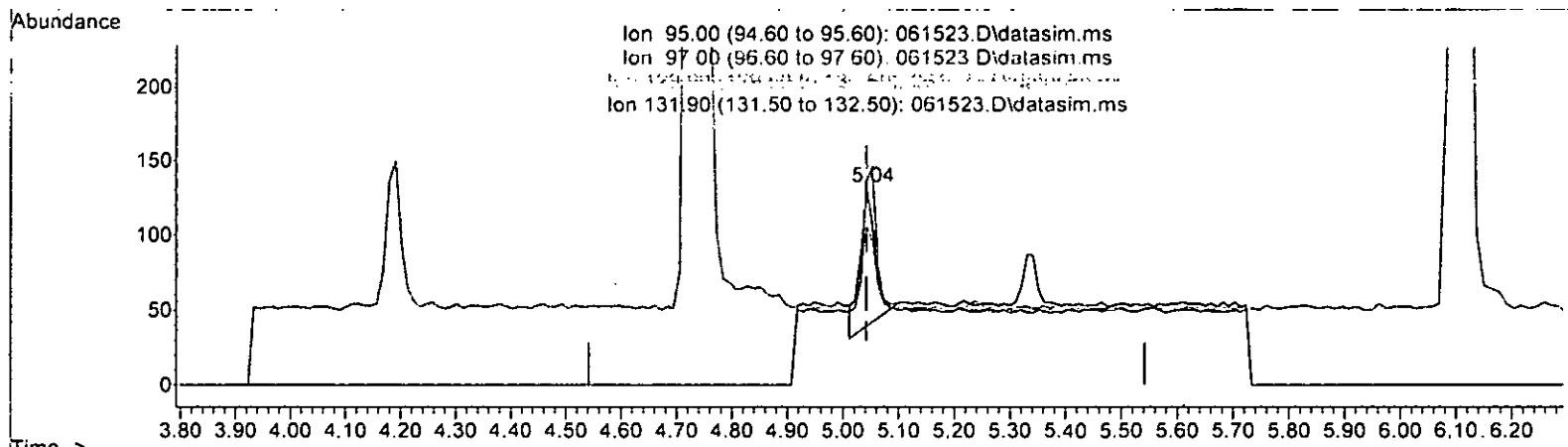
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 46.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061523.D\data.ms

(32) Trichloroethene (TMP)
 5.042min (+ 0.000) 0.055 ppb
 response 173

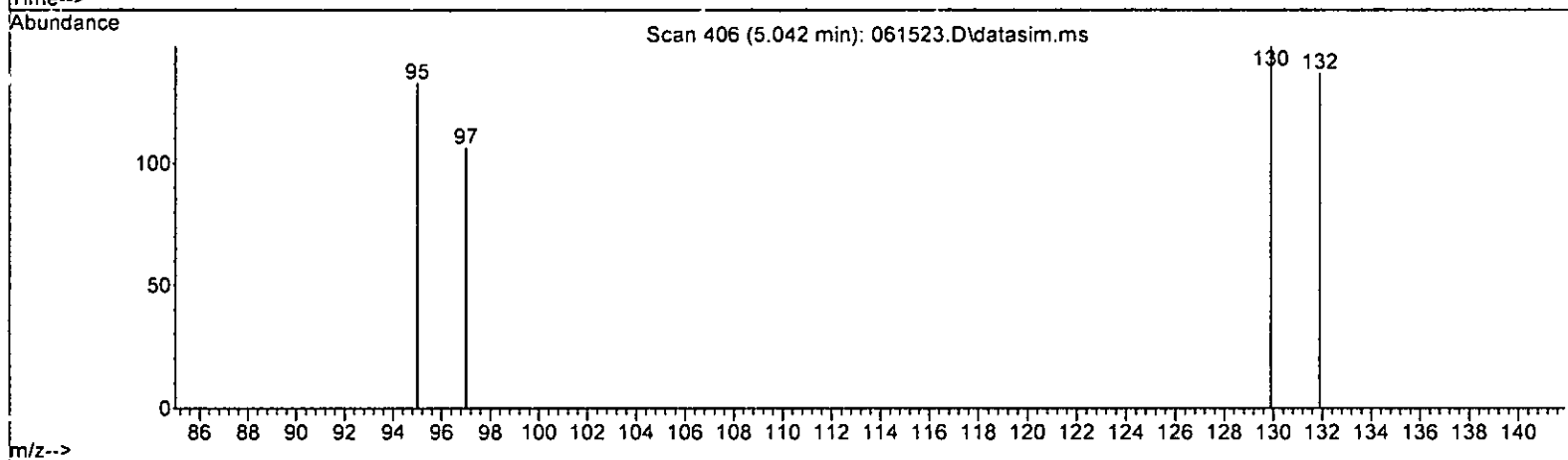
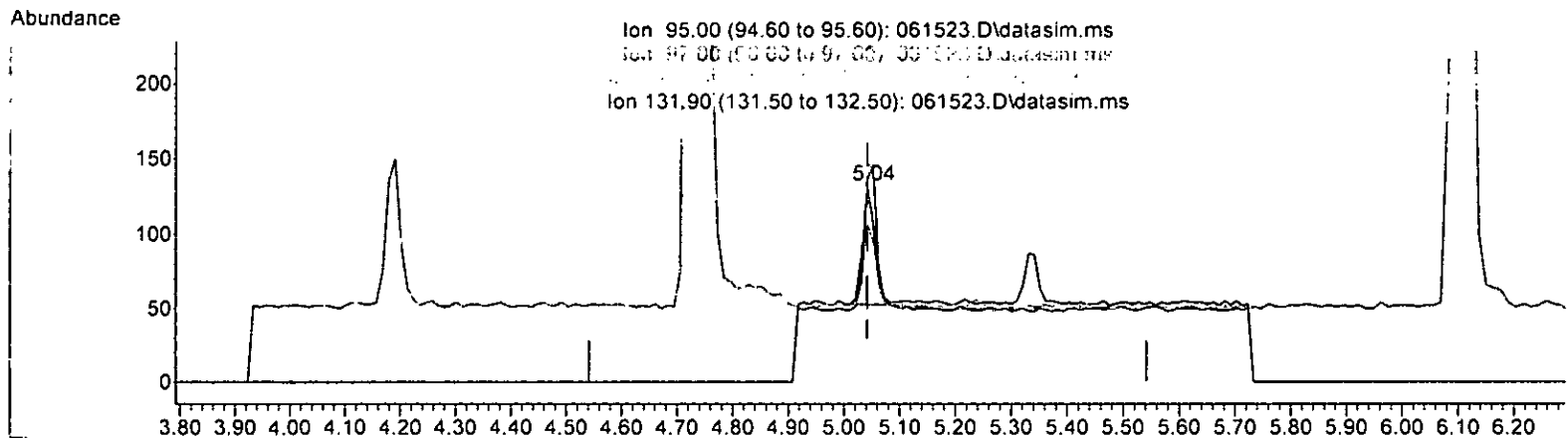
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 70.89 |
| 129.90 | 110.90 | 124.05 |
| 131.90 | 99.40 | 110.13 |

ms 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061523.D\data.ms

(32) Trichloroethene (TME)

5.042min (+ 0.000) 0.037 ppb m

| response | 123 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 80.30 |
| 129.90 | 110.90 | 111.36 |
| 131.90 | 99.40 | 103.03 |

MD/16

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 93265 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 78578 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 42759 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 27827 | 9.879 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.80% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5850 | 10.051 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 100.50% | |
| 35) Toluene-d8 | 6.10 | 98 | 89298 | 9.982 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 99.80% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 32029 | 9.888 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 98.90% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. d | | |
| 5) Chloromethane | 0.00 | | 0 | | N.D. d | | |
| 6] Vinyl chloride | 1.33 | 62 | 290m | 0.048 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. d | | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | | |
| 11) Acetone | 0.00 | | 0 | | N.D. d | | |
| 12] 1,1-Dichloroethene | 2.26 | 96 | 126m | 0.041 | ppb | | |
| 13) Hexane | 0.00 | | 0 | | N.D. d | | |
| 14) Methylene chloride | 0.00 | | 0 | | N.D. d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 240m | 0.043 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 103 | 0.043 | ppb | | 94 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. d | | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 174 | 0.043 | ppb | | 95 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. d | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | | N.D. d | | |
| 22] cis-1,2-Dichloroethene | 3.76 | 96 | 100 | 0.038 | ppb | | 94 |
| 23) Chloroform | 0.00 | | 0 | | N.D. d | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. d | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 224 | 0.039 | ppb | | 96 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 177 | 0.043 | ppb | | 87 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. d | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. d | | |
| 31] Benzene | 4.49 | 78 | 360 | 0.042 | ppb | | 93 |
| 32] Trichloroethene | 5.04 | 95 | 123m | 0.037 | ppb | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. d | | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. d | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. d | | |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

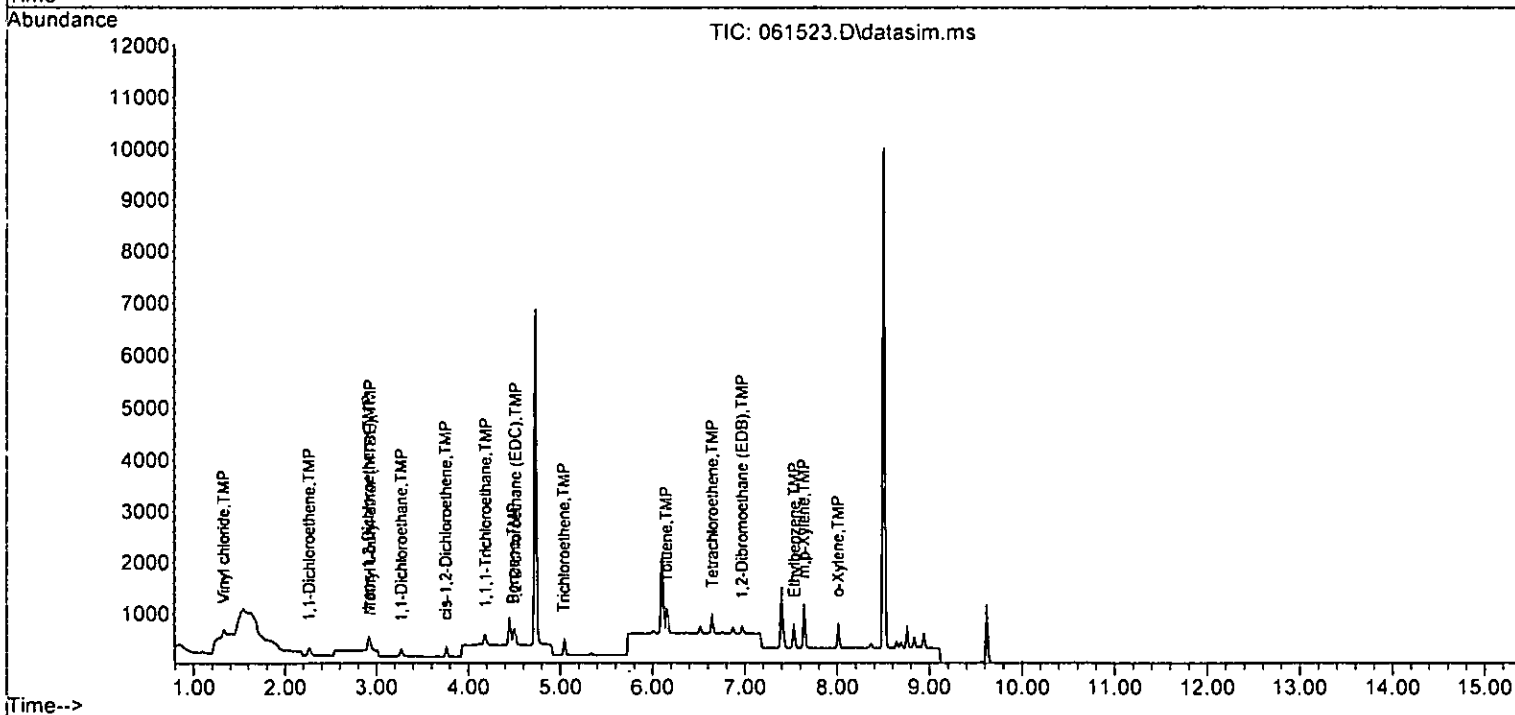
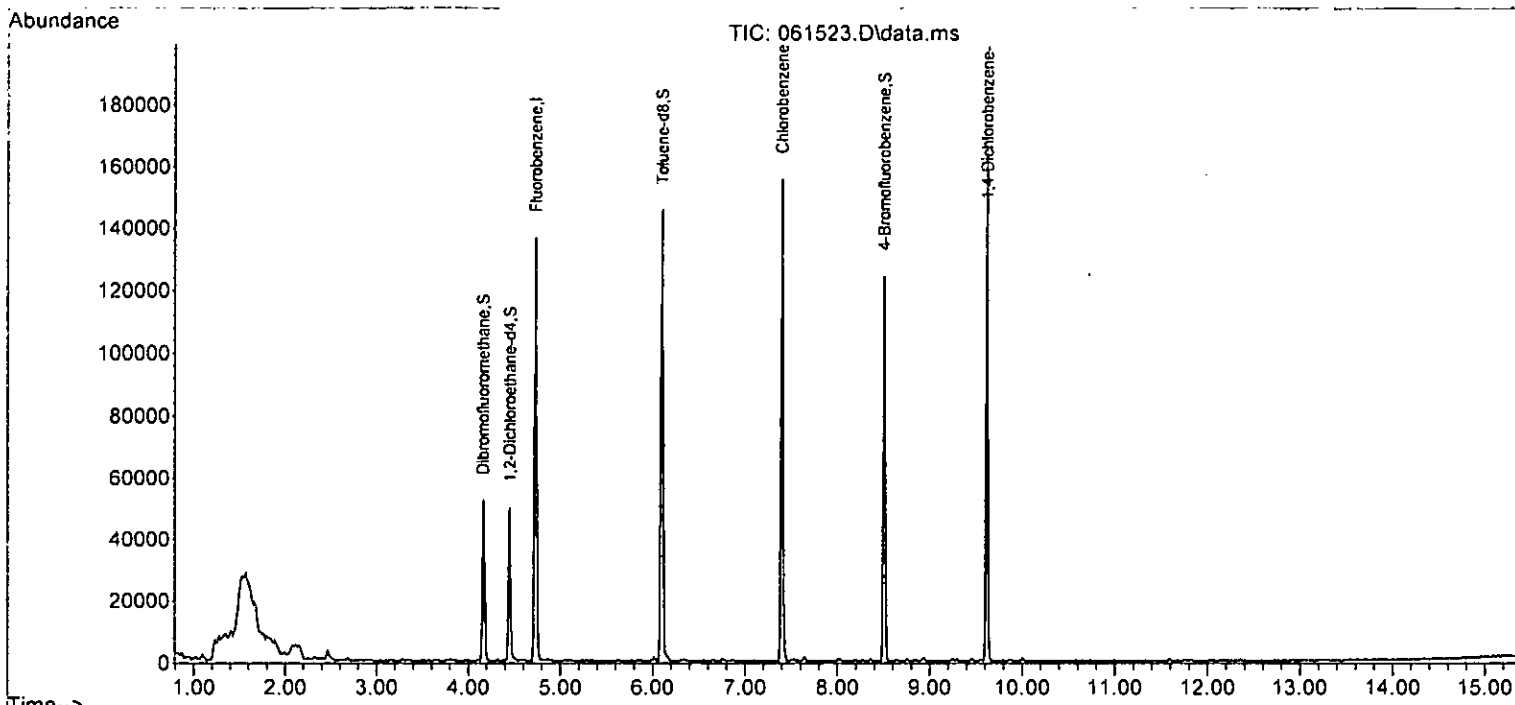
Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. d | |
| 40] Toluene | 6.15 | 92 | 314 | 0.039 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. d | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. d | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. d | |
| 45] Tetrachloroethene | 6.65 | 164 | 142 | 0.039 | ppb | 96 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. d | |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 120 | 0.040 | ppb | 98 |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. d | |
| 49] Ethylbenzene | 7.54 | 91 | 505 | 0.044 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. d | |
| 51] m,p-Xylene | 7.64 | 106 | 419 | 0.089 | ppb | 99 |
| 52] o-Xylene | 8.01 | 106 | 212 | 0.046 | ppb | 98 |
| 53) Styrene | 0.00 | | 0 | | N.D. d | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. d | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. d | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. d | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. d | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | | N.D. d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. d | |
| 75) Naphthalene | 0.00 | | 0 | | N.D. d | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. d | |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response Via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 9.879 | 1.2 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.11# |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 0.040 | 0.048 | -20.0 | 97 | 0.00 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.64# |
| 9 TMP | Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.85# |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.040 | 0.041 | -2.5 | 96 | 0.00 |
| 13 TMP | Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.15# |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.040 | 0.043 | -7.5 | 92 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.34# |
| 19 TMP | 1,1-Dichloroethane | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.65# |
| 21 TMP | 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.76# |
| 22 TMP | cis-1,2-Dichloroethene | 0.040 | 0.038 | 5.0 | 100 | 0.00 |
| 23 TMP | Chloroform | -1.000 | 0.000 | 0.0 | 0 | -4.03# |
| 24 TMP | 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.60# |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.040 | 0.039 | 2.5 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.040 | 0.043 | -7.5 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 29 TMP | Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.051 | -0.5 | 100 | 0.00 |
| 31 TMP | Benzene | 0.040 | 0.042 | -5.0 | 100 | 0.00 |
| 32 TMP | Trichloroethene | 0.040 | 0.037 | 7.5 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 34 TMP | Bromodichloromethane | 0.040 | 0.000 | 100.0# | 0 | -5.48# |
| 35 S | Toluene-d8 | 10.000 | 9.982 | 0.2 | 100 | 0.00 |
| 36 TMP | Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.34# |
| 37 TMP | 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.040 | 0.000 | 100.0# | 0 | -5.86# |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.040 | 0.039 | 2.5 | 100 | -0.01 |
| 41 TMP | trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.36# |
| 42 TMP | 1,1,2-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -6.51# |
| 43 TMP | 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.67# |
| 45 TMP Tetrachloroethene | 0.040 | 0.039 | 2.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.040 | 0.040 | 0.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.43# |
| 49 TMP Ethylbenzene | 0.040 | 0.044 | -10.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.50# |
| 51 TMP m,p-Xylene | 0.080 | 0.089 | -11.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.040 | 0.046 | -15.0 | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -8.03# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.37# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.888 | 1.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.76# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.040 | 0.000 | 100.0# | 0 | -8.69# |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.84# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.94# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.29# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.59# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.77# |
| 75 TMP Naphthalene | -1.000 | 0.000 | 0.0 | 0 | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -12.07# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq On : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S Dibromofluoromethane | 0.302 | 0.298 | 1.3 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.000# | 100.0# | 0# | -1.11# |
| 5 TMP Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP Vinyl chloride | 0.628 | 0.777 | -23.7# | 97 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP Chloroethane | 0.292 | 0.000# | 100.0# | 0# | -1.64# |
| 9 TMP Trichlorofluoromethane | 1.250 | 0.000# | 100.0# | 0# | -1.85# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP Acetone | 0.035 | 0.000# | 100.0# | 0# | -2.32# |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.338 | -19.9 | 96 | 0.00 |
| 13 TMP Hexane | 0.343 | 0.000# | 100.0# | 0# | -3.15# |
| 14 TMP Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.643 | -7.0 | 92 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.276 | -6.6 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.000# | 100.0# | 0# | -3.34# |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.466 | -7.4 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.000# | 100.0# | 0# | -3.65# |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.000# | 100.0# | 0# | -3.76# |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.268 | 4.3 | 100 | 0.00 |
| 23 TMP Chloroform | 0.454 | 0.000# | 100.0# | 0# | -4.03# |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.000# | 100.0# | 0# | -3.78# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.000# | 100.0# | 0# | -4.60# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.600 | -35.7# | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.474 | -6.5 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.000# | 100.0# | 0# | -4.32# |
| 29 TMP Carbon tetrachloride | 0.408 | 0.000# | 100.0# | 0# | -4.32# |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.063 | -1.6 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.965 | -5.1 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.319 | 0.330 | -3.4 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.000# | 100.0# | 0# | -5.23# |
| 34 TMP Bromodichloromethane | 0.335 | 0.000# | 100.0# | 0# | -5.48# |
| 35 S Toluene-d8 | 0.959 | 0.957 | 0.2 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.000# | 100.0# | 0# | -5.34# |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.000# | 100.0# | 0# | -6.01# |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.000# | 100.0# | 0# | -5.86# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.999 | -20.2# | 100 | -0.01 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.000# | 100.0# | 0# | -6.36# |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.000# | 100.0# | 0# | -6.51# |
| 43 TMP 2-Hexanone | 0.293 | 0.000# | 100.0# | 0# | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061523.D
 Acq Dn : 15 Jun 2023 04:41 pm
 Operator : MD
 Sample : 0.04 ppb 8260 ICAL 69-113g
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:00 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : -Fri Jun 16 07:37:11-2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.000# | 100.0# | 0# | -6.67# |
| 45 TMP Tetrachloroethene | 0.396 | 0.452 | -14.1 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.000# | 100.0# | 0# | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.382 | -5.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.000# | 100.0# | 0# | -7.43# |
| 49 TMP Ethylbenzene | 1.452 | 1.607 | -10.7 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.000# | 100.0# | 0# | -7.50# |
| 51 TMP m,p-Xylene | 0.597 | 0.667 | -11.7 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.674 | -16.2 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.000# | 100.0# | 0# | -8.03# |
| 54 TMP Isopropylbenzene | 1.337 | 0.000# | 100.0# | 0# | -8.37# |
| 55 TMP Bromoform | 0.296 | 0.000# | 100.0# | 0# | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.749 | 1.2 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 0.000# | 100.0# | 0# | -8.76# |
| 59 TMP Bromobenzene | 0.818 | 0.000# | 100.0# | 0# | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 0.000# | 100.0# | 0# | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.000# | 100.0# | 0# | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.000# | 100.0# | 0# | -8.69# |
| 63 TMP 2-Chlorotoluene | 1.621 | 0.000# | 100.0# | 0# | -8.84# |
| 64 TMP 4-Chlorotoluene | 1.951 | 0.000# | 100.0# | 0# | -8.94# |
| 65 TMP tert-Butylbenzene | 1.982 | 0.000# | 100.0# | 0# | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 0.000# | 100.0# | 0# | -9.29# |
| 67 TMP sec-Butylbenzene | 2.693 | 0.000# | 100.0# | 0# | -9.46# |
| 68 TMP p-Isopropyltoluene | 2.469 | 0.000# | 100.0# | 0# | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 0.000# | 100.0# | 0# | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 0.000# | 100.0# | 0# | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.000# | 100.0# | 0# | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.000# | 100.0# | 0# | -11.59# |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.000# | 100.0# | 0# | -11.77# |
| 75 TMP Naphthalene | 2.135 | 0.000# | 100.0# | 0# | -11.83# |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.000# | 100.0# | 0# | -12.07# |

(#) = Out of Range

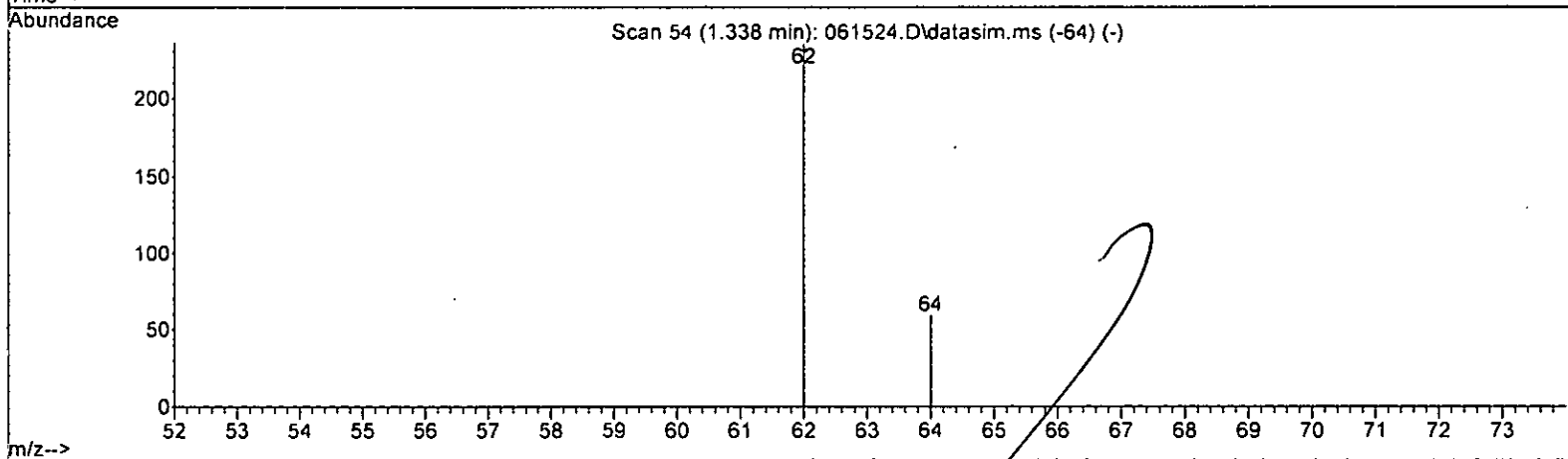
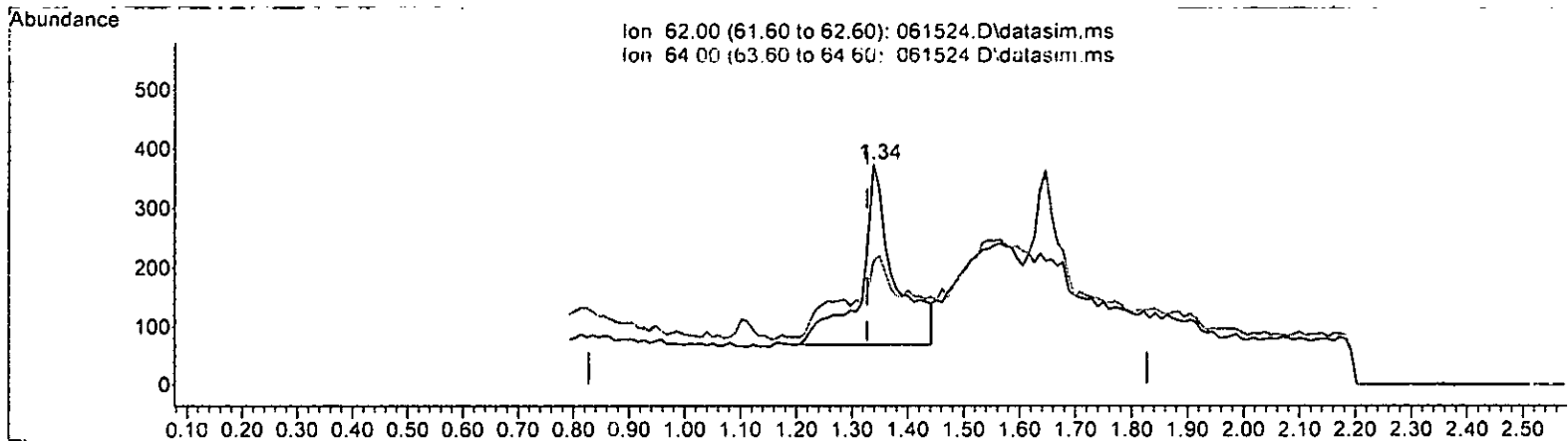
SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
Data File : 061524.D
Acq On : 15 Jun 2023 05:04 pm
Operator : MD
Sample : 0.1 ppb 8260 ICAL 69-113h
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
DataAcq Meth:VM040623.M



TIC: 061524.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.011) 0.222 ppb

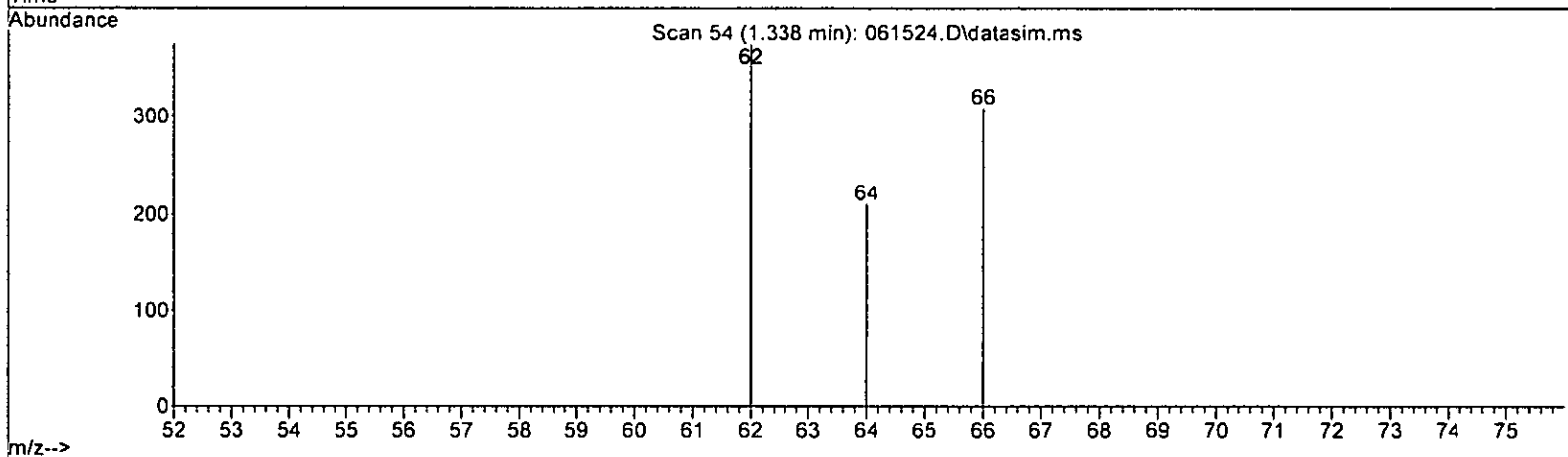
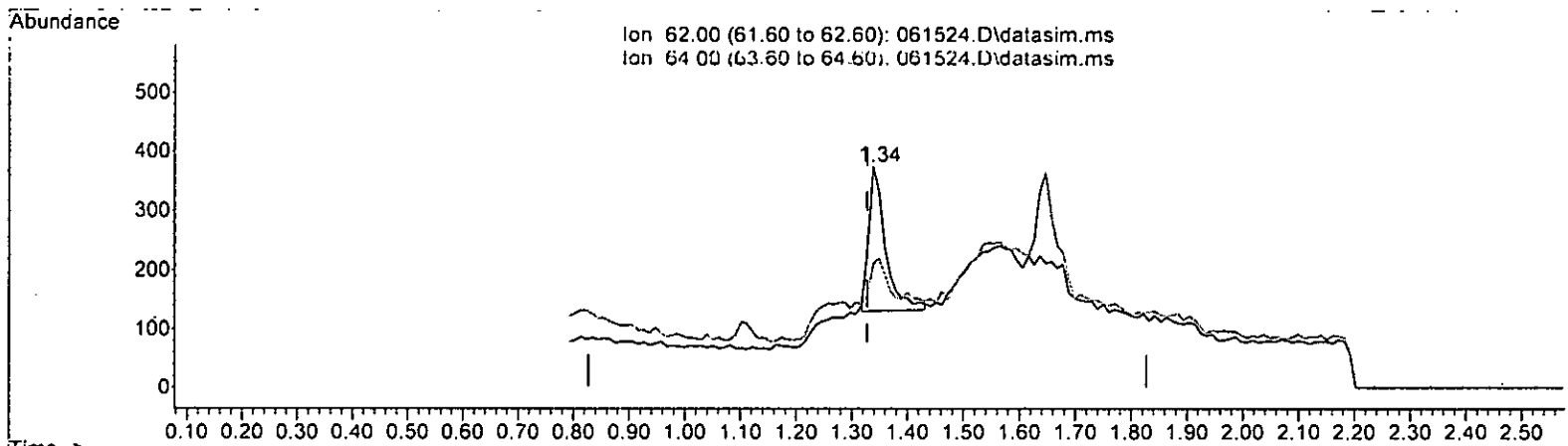
| response | 1285 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 41.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update: Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061524.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.011) 0.087 ppb m

response 509

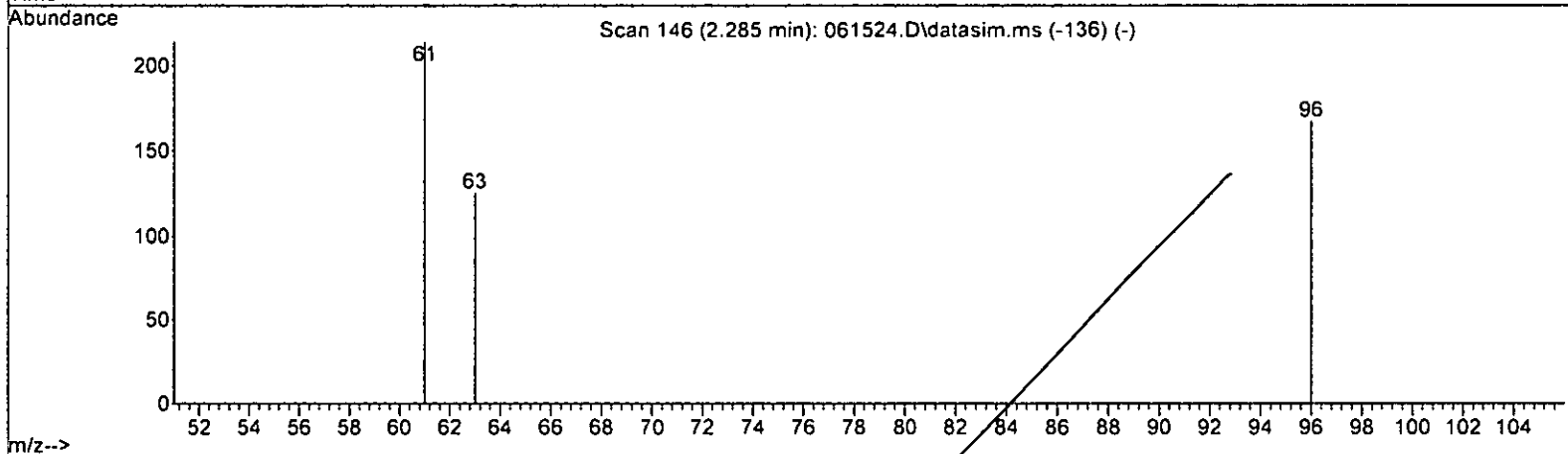
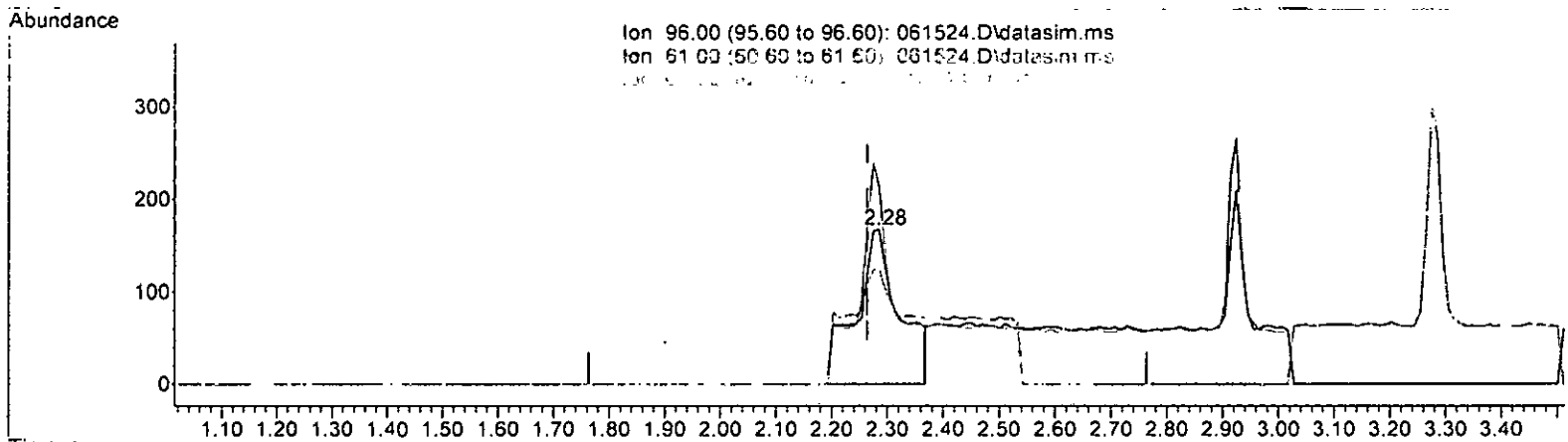
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 56.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061524.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.285min (+ 0.021) 0.365 ppb

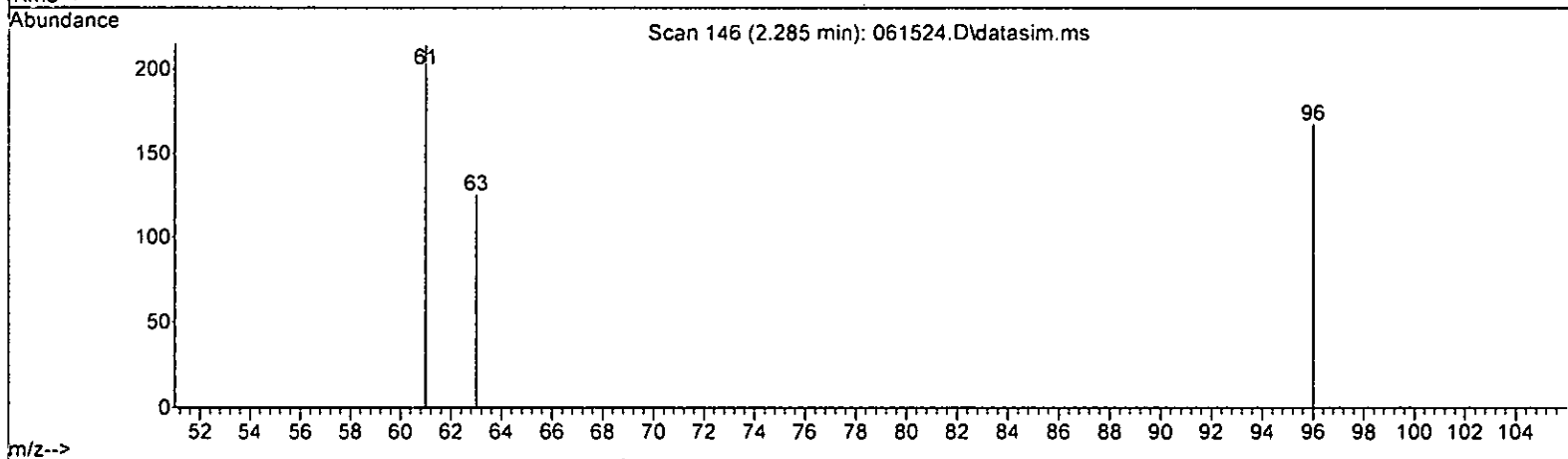
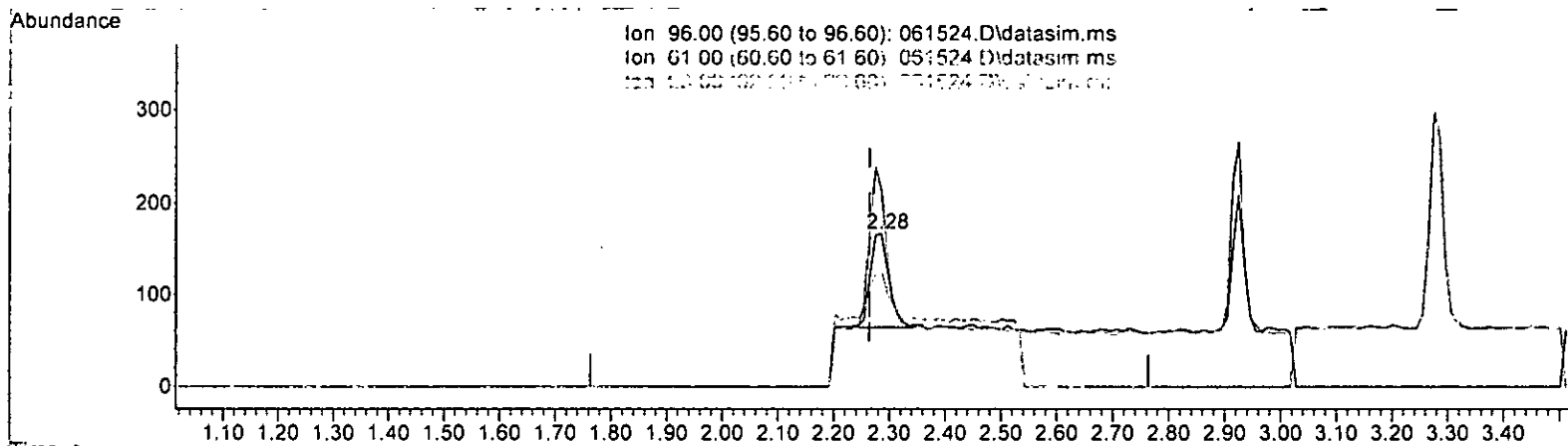
m 6/16

| response | 915 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 128.14 |
| 63.00 | 49.80 | 74.85 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061524.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.285min (+ 0.021) 0.087 ppb m

response 239

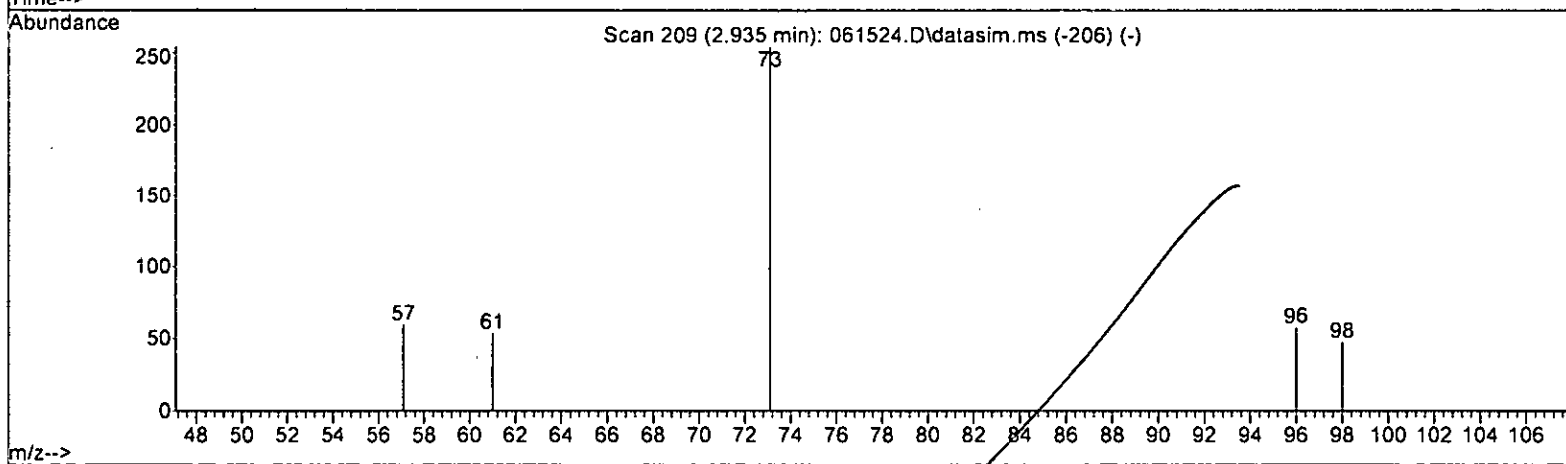
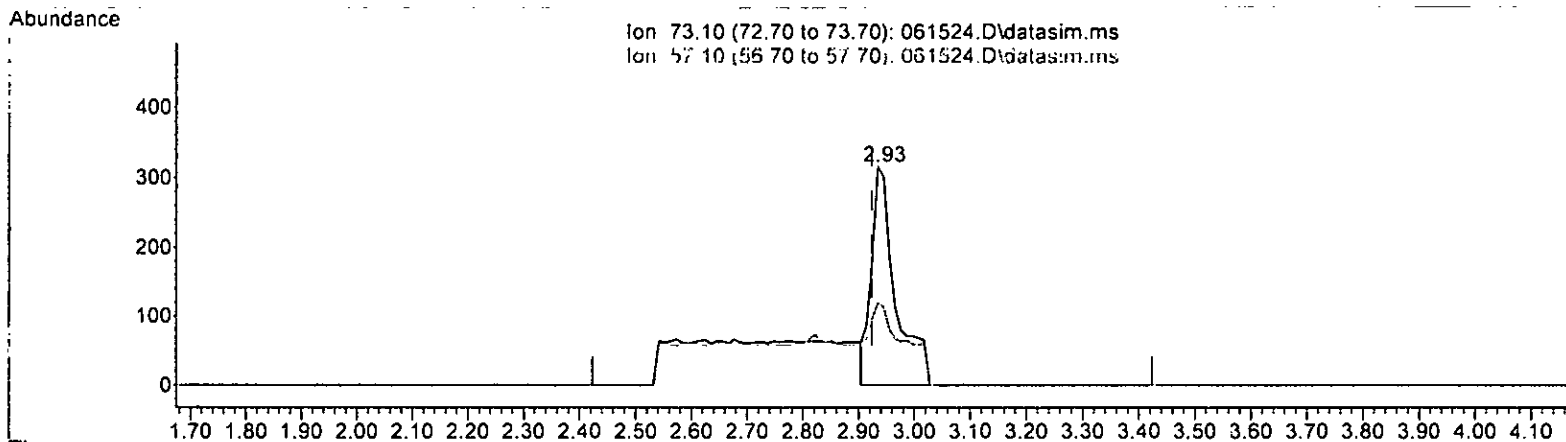
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 128.14 |
| 63.00 | 49.80 | 74.85 |
| 0.00 | 0.00 | 0.00 |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061524.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 0.171 ppb

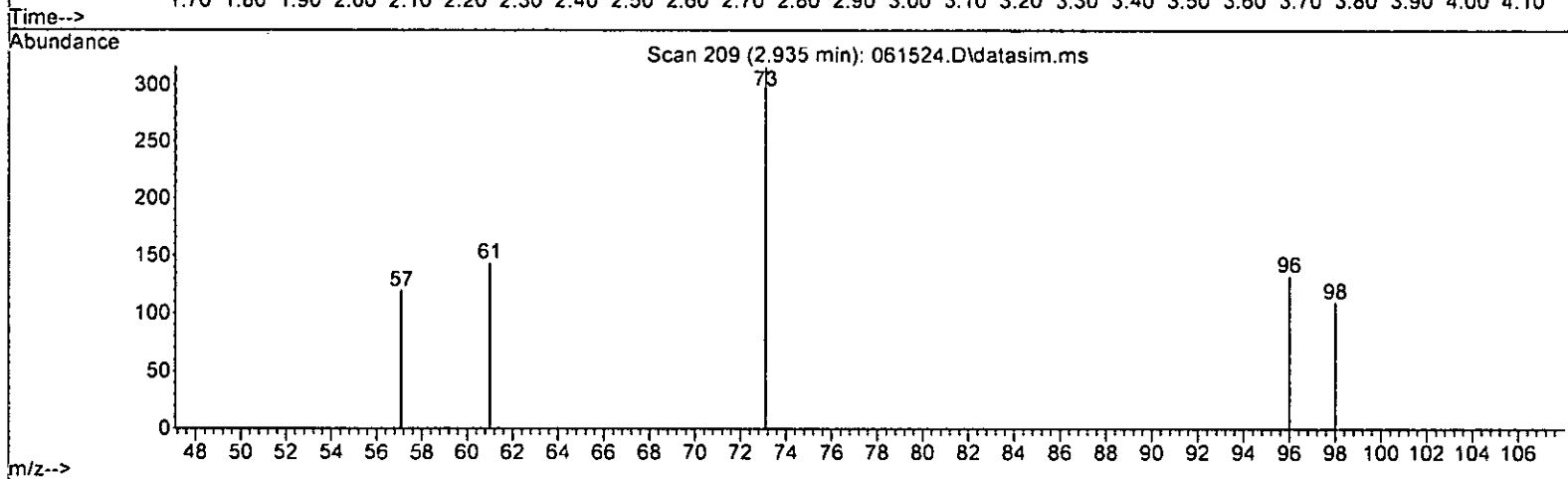
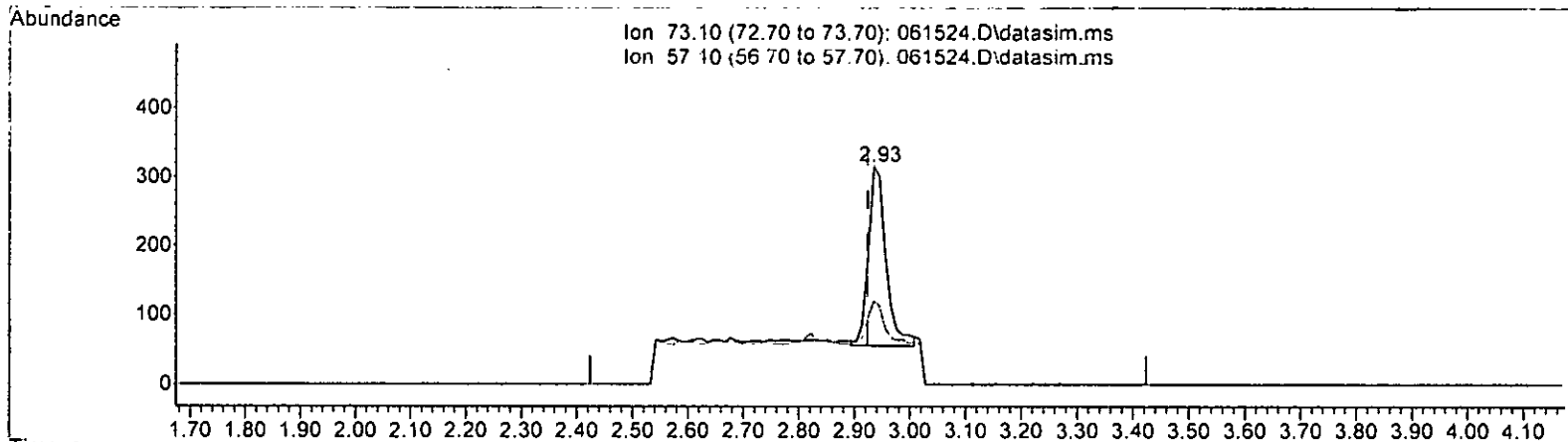
| response | 951 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 37.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

M 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-8-Trap-Volatiles-Dual-Acquisition~~
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061524.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 0.103 ppb m

response 572

| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 37.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

5/6/16

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|-------|----------|----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 92747 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 75977 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 41042 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 28283 | 10.097 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 101.00% |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 6041 | 10.437 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 104.40% |
| 35) Toluene-d8 | 6.11 | 98 | 87207 | 9.803 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 98.00% |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 31502 | 10.132 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 101.30% |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. d | |
| 5) Chloromethane | 0.00 | | 0 | | N.D. d | |
| 6] Vinyl chloride | 1.34 | 62 | 509m | 0.087 | ppb | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. d | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. d | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | |
| 11) Acetone | 0.00 | | 0 | | N.D. d | |
| 12] 1,1-Dichloroethene | 2.28 | 96 | 239m | 0.087 | ppb | |
| 13) Hexane | 0.00 | | 0 | | N.D. d | |
| 14) Methylene chloride | 0.00 | | 0 | | N.D. d | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. d | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 572m | 0.103 | ppb | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 216 | 0.090 | ppb | 97 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. d | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 407 | 0.101 | ppb | 93 |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. d | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | | N.D. d | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 264 | 0.102 | ppb | 92 |
| 23) Chloroform | 0.00 | | 0 | | N.D. d | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. d | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. d | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 433 | 0.098 | ppb | 90 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 410 | 0.099 | ppb | 94 |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. d | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. d | |
| 31] Benzene | 4.50 | 78 | 872 | 0.102 | ppb | 94 |
| 32] Trichloroethene | 5.05 | 95 | 278 | 0.092 | ppb # | 70 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. d | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. d | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. d | |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

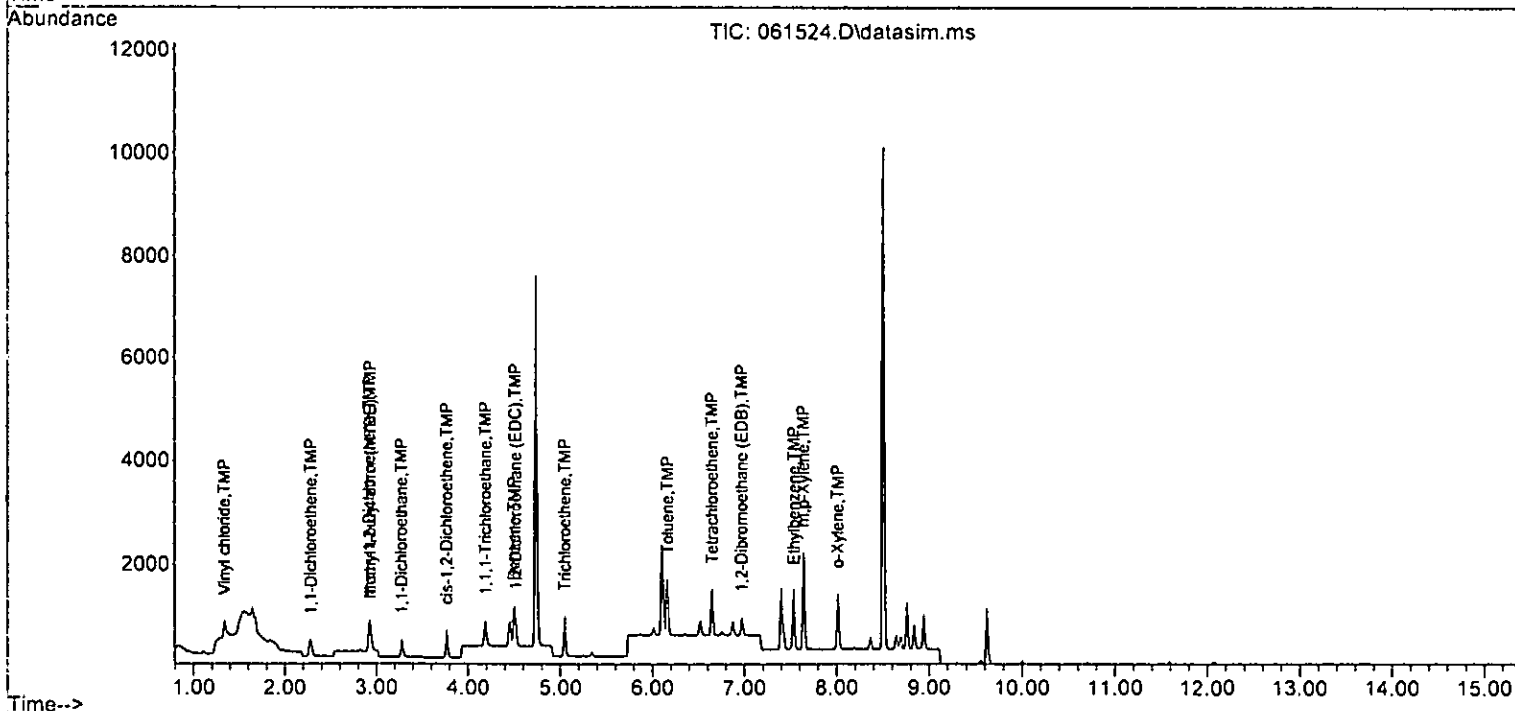
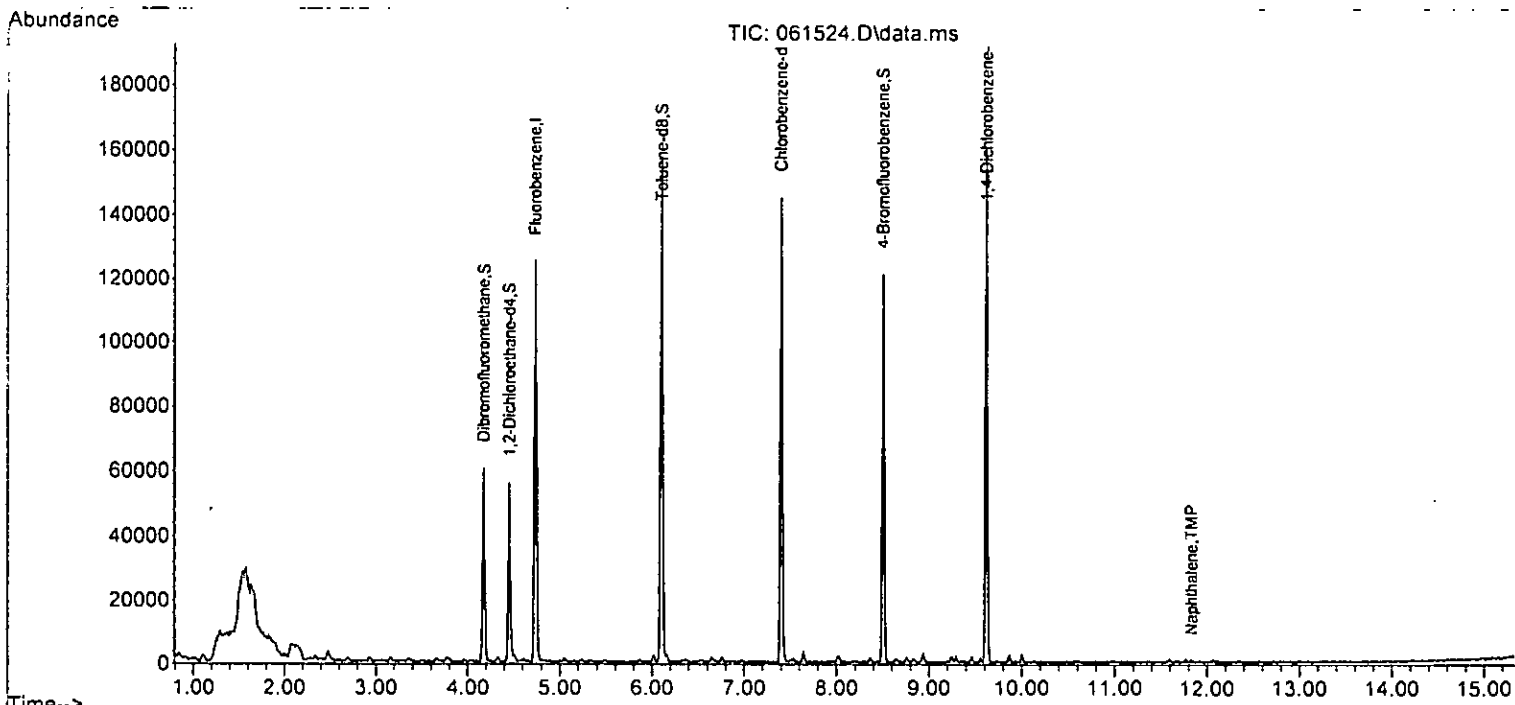
Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast-Update: -Fri Jun 16 07:37:11 2023-
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 40] Toluene | 6.16 | 92 | 654 | 0.099 | ppb | 92 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | N.D. | d | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | N.D. | d | |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | N.D. | d | |
| 45] Tetrachloroethene | 6.65 | 164 | 311 | 0.101 | ppb | 97 |
| 46) Dibromochloromethane | 0.00 | | 0 | N.D. | d | |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 256 | 0.094 | ppb | 97 |
| 48) Chlorobenzene | 0.00 | | 0 | N.D. | d | |
| 49] Ethylbenzene | 7.54 | 91 | 1120 | 0.102 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 51] m,p-Xylene | 7.64 | 106 | 912 | 0.201 | ppb | 94 |
| 52] o-Xylene | 8.01 | 106 | 446 | 0.101 | ppb | 93 |
| 53) Styrene | 0.00 | | 0 | N.D. | d | |
| 54) Isopropylbenzene | 0.00 | | 0 | N.D. | d | |
| 55) Bromoform | 0.00 | | 0 | N.D. | d | |
| 58) n-Propylbenzene | 0.00 | | 0 | N.D. | d | |
| 59) Bromobenzene | 0.00 | | 0 | N.D. | d | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | N.D. | d | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | N.D. | d | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | N.D. | d | |
| 65) tert-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | N.D. | d | |
| 67) sec-Butylbenzene | 0.00 | | 0 | N.D. | d | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | N.D. | d | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | d | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | N.D. | d | |
| 75) Naphthalene | 11.83 | 128 | 791 | 0.090 | ppb | 96 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | N.D. | d | |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : ~~Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 10.097 | -1.0 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.11# |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 0.100 | 0.087 | 13.0 | 107 | 0.01 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | -1.000 | 0.000 | 0.0 | 0 | -1.64# |
| 9 TMP | Trichlorofluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.85# |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.100 | 0.087 | 13.0 | 94 | 0.02 |
| 13 TMP | Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.15# |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.100 | 0.103 | -3.0 | 105 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.100 | 0.090 | 10.0 | 100 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | -1.000 | 0.000 | 0.0 | 0 | -3.34# |
| 19 TMP | 1,1-Dichloroethane | 0.100 | 0.101 | -1.0 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | -1.000 | 0.000 | 0.0 | 0 | -3.65# |
| 21 TMP | 2,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -3.76# |
| 22 TMP | cis-1,2-Dichloroethene | 0.100 | 0.102 | -2.0 | 100 | 0.01 |
| 23 TMP | Chloroform | -1.000 | 0.000 | 0.0 | 0 | -4.03# |
| 24 TMP | 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | -1.000 | 0.000 | 0.0 | 0 | -4.60# |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.100 | 0.098 | 2.0 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.100 | 0.099 | 1.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 29 TMP | Carbon tetrachloride | -1.000 | 0.000 | 0.0 | 0 | -4.32# |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.437 | -4.4 | 100 | 0.00 |
| 31 TMP | Benzene | 0.100 | 0.102 | -2.0 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.100 | 0.092 | 8.0 | 100 | 0.01 |
| 33 TMP | 1,2-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -5.23# |
| 34 TMP | Bromodichloromethane | 0.100 | 0.000 | 100.0# | 0 | -5.48# |
| 35 S | Toluene-d8 | 10.000 | 9.803 | 2.0 | 100 | 0.00 |
| 36 TMP | Dibromomethane | -1.000 | 0.000 | 0.0 | 0 | -5.34# |
| 37 TMP | 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.100 | 0.000 | 100.0# | 0 | -5.86# |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.100 | 0.099 | 1.0 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | -1.000 | 0.000 | 0.0 | 0 | -6.36# |
| 42 TMP | 1,1,2-Trichloroethane | -1.000 | 0.000 | 0.0 | 0 | -6.51# |
| 43 TMP | 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | -1.000 | 0.000 | 0.0 | 0 | -6.67# |
| 45 TMP Tetrachloroethene | 0.100 | 0.101 | -1.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | -1.000 | 0.000 | 0.0 | 0 | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.100 | 0.094 | 6.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -7.43# |
| 49 TMP Ethylbenzene | 0.100 | 0.102 | -2.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -7.50# |
| 51 TMP m,p-Xylene | 0.200 | 0.201 | -0.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.100 | 0.101 | -1.0 | 100 | 0.00 |
| 53 TMP Styrene | -1.000 | 0.000 | 0.0 | 0 | -8.03# |
| 54 TMP Isopropylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.37# |
| 55 TMP Bromoform | -1.000 | 0.000 | 0.0 | 0 | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.132 | -1.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.76# |
| 59 TMP Bromobenzene | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | -1.000 | 0.000 | 0.0 | 0 | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.100 | 0.000 | 100.0# | 0 | -8.69# |
| 63 TMP 2-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.84# |
| 64 TMP 4-Chlorotoluene | -1.000 | 0.000 | 0.0 | 0 | -8.94# |
| 65 TMP tert-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.29# |
| 67 TMP sec-Butylbenzene | -1.000 | 0.000 | 0.0 | 0 | -9.46# |
| 68 TMP p-Isopropyltoluene | -1.000 | 0.000 | 0.0 | 0 | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | -1.000 | 0.000 | 0.0 | 0 | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -11.59# |
| 74 TMP Hexachlorobutadiene | -1.000 | 0.000 | 0.0 | 0 | -11.77# |
| 75 TMP Naphthalene | 0.100 | 0.090 | 10.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | -1.000 | 0.000 | 0.0 | 0 | -12.07# |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 AL5 Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast-Update--: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S Dibromofluoromethane | 0.302 | 0.305 | -1.0 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.000# | 100.0# | 0# | -1.11# |
| 5 TMP Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP Vinyl chloride | 0.628 | 0.549 | 12.6 | 107 | 0.01 |
| 7 TMP Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP Chloroethane | 0.292 | 0.000# | 100.0# | 0# | -1.64# |
| 9 TMP Trichlorofluoromethane | 1.250 | 0.000# | 100.0# | 0# | -1.85# |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP Acetone | 0.035 | 0.000# | 100.0# | 0# | -2.32# |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.258 | 8.5 | 94 | 0.02 |
| 13 TMP Hexane | 0.343 | 0.000# | 100.0# | 0# | -3.15# |
| 14 TMP Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.617 | -2.7 | 105 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.233 | 10.0 | 100 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.000# | 100.0# | 0# | -3.34# |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.439 | -1.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.000# | 100.0# | 0# | -3.65# |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.000# | 100.0# | 0# | -3.76# |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.285 | -1.8 | 100 | 0.01 |
| 23 TMP Chloroform | 0.454 | 0.000# | 100.0# | 0# | -4.03# |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.000# | 100.0# | 0# | -3.78# |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.000# | 100.0# | 0# | -4.60# |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.467 | -5.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.442 | 0.7 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.000# | 100.0# | 0# | -4.32# |
| 29 TMP Carbon tetrachloride | 0.408 | 0.000# | 100.0# | 0# | -4.32# |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.065 | -4.8 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.940 | -2.4 | 100 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.300 | 6.0 | 100 | 0.01 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.000# | 100.0# | 0# | -5.23# |
| 34 TMP Bromodichloromethane | 0.335 | 0.000# | 100.0# | 0# | -5.48# |
| 35 S Toluene-d8 | 0.959 | 0.940 | 2.0 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.000# | 100.0# | 0# | -5.34# |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.000# | 100.0# | 0# | -6.01# |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.000# | 100.0# | 0# | -5.86# |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.861 | -3.6 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.000# | 100.0# | 0# | -6.36# |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.000# | 100.0# | 0# | -6.51# |
| 43 TMP 2-Hexanone | 0.293 | 0.000# | 100.0# | 0# | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061524.D
 Acq On : 15 Jun 2023 05:04 pm
 Operator : MD
 Sample : 0.1 ppb 8260 ICAL 69-113h
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:04 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.000# | 100.0# | 0# | -6.67# |
| 45 TMP Tetrachloroethene | 0.396 | 0.409 | -3.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.000# | 100.0# | 0# | -6.87# |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.337 | 6.9 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.000# | 100.0# | 0# | -7.43# |
| 49 TMP Ethylbenzene | 1.452 | 1.474 | -1.5 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.000# | 100.0# | 0# | -7.50# |
| 51 TMP m,p-Xylene | 0.597 | 0.600 | -0.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.587 | -1.2 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.000# | 100.0# | 0# | -8.03# |
| 54 TMP Isopropylbenzene | 1.337 | 0.000# | 100.0# | 0# | -8.37# |
| 55 TMP Bromoform | 0.296 | 0.000# | 100.0# | 0# | -8.19# |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.768 | -1.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 0.000# | 100.0# | 0# | -8.76# |
| 59 TMP Bromobenzene | 0.818 | 0.000# | 100.0# | 0# | -8.65# |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 0.000# | 100.0# | 0# | -8.93# |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.000# | 100.0# | 0# | -8.65# |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.000# | 100.0# | 0# | -8.69# |
| 63 TMP 2-Chlorotoluene | 1.621 | 0.000# | 100.0# | 0# | -8.84# |
| 64 TMP 4-Chlorotoluene | 1.951 | 0.000# | 100.0# | 0# | -8.94# |
| 65 TMP tert-Butylbenzene | 1.982 | 0.000# | 100.0# | 0# | -9.25# |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 0.000# | 100.0# | 0# | -9.29# |
| 67 TMP sec-Butylbenzene | 2.693 | 0.000# | 100.0# | 0# | -9.46# |
| 68 TMP p-Isopropyltoluene | 2.469 | 0.000# | 100.0# | 0# | -9.61# |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 0.000# | 100.0# | 0# | -9.56# |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 0.000# | 100.0# | 0# | -9.64# |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 0.000# | 100.0# | 0# | -10.00# |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.000# | 100.0# | 0# | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.000# | 100.0# | 0# | -11.59# |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.000# | 100.0# | 0# | -11.77# |
| 75 TMP Naphthalene | 2.135 | 1.927 | 9.7 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.000# | 100.0# | 0# | -12.07# |

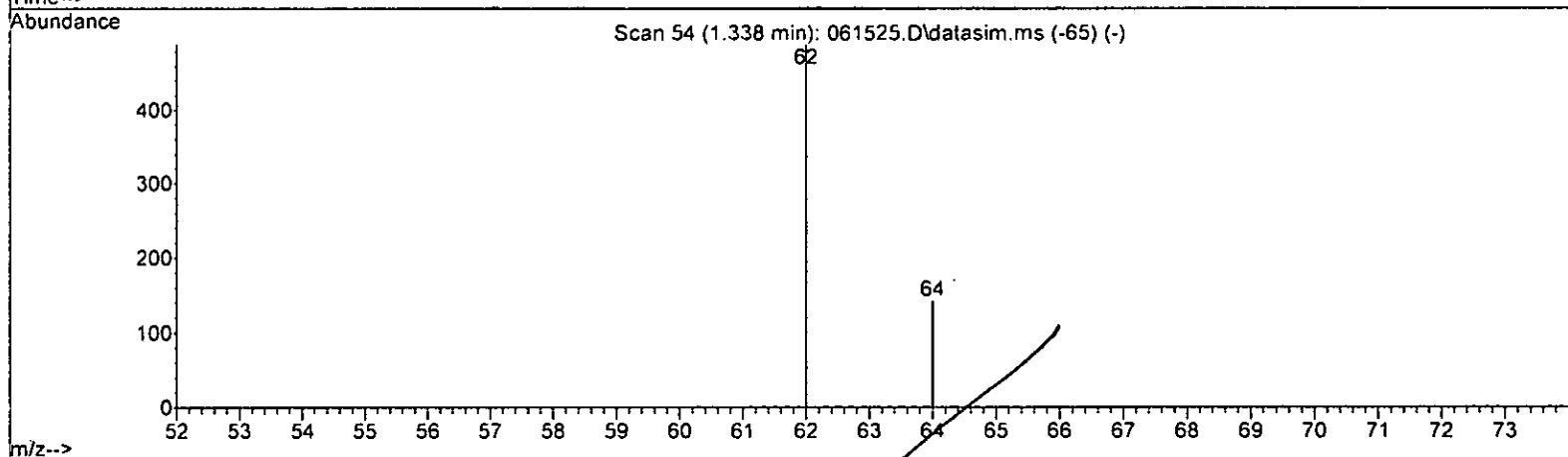
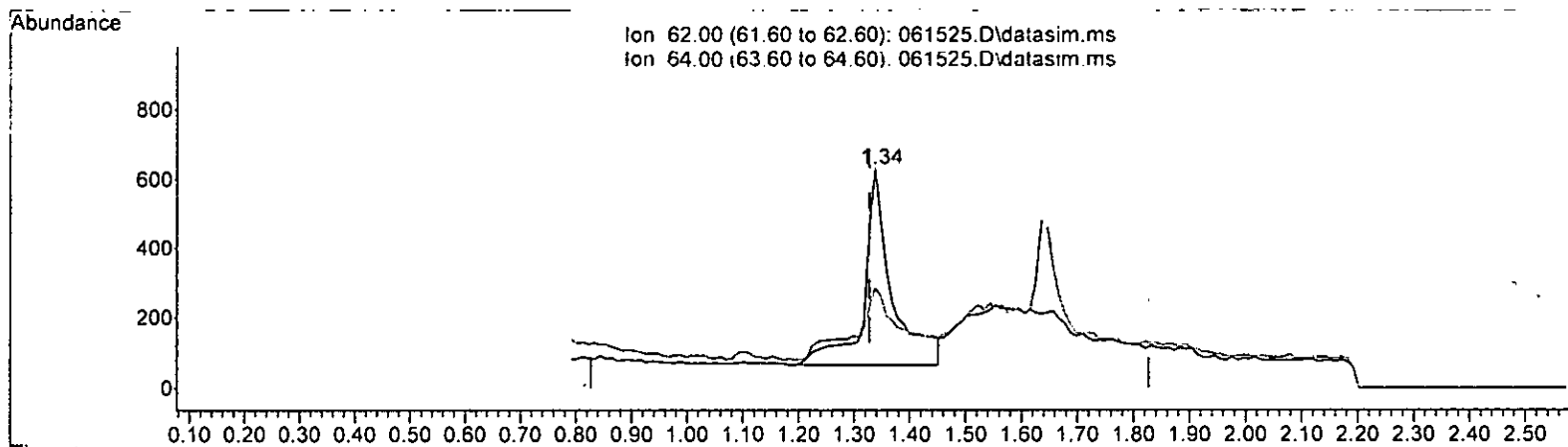
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.010) 0.340 ppb

response 1956

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 36.35 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

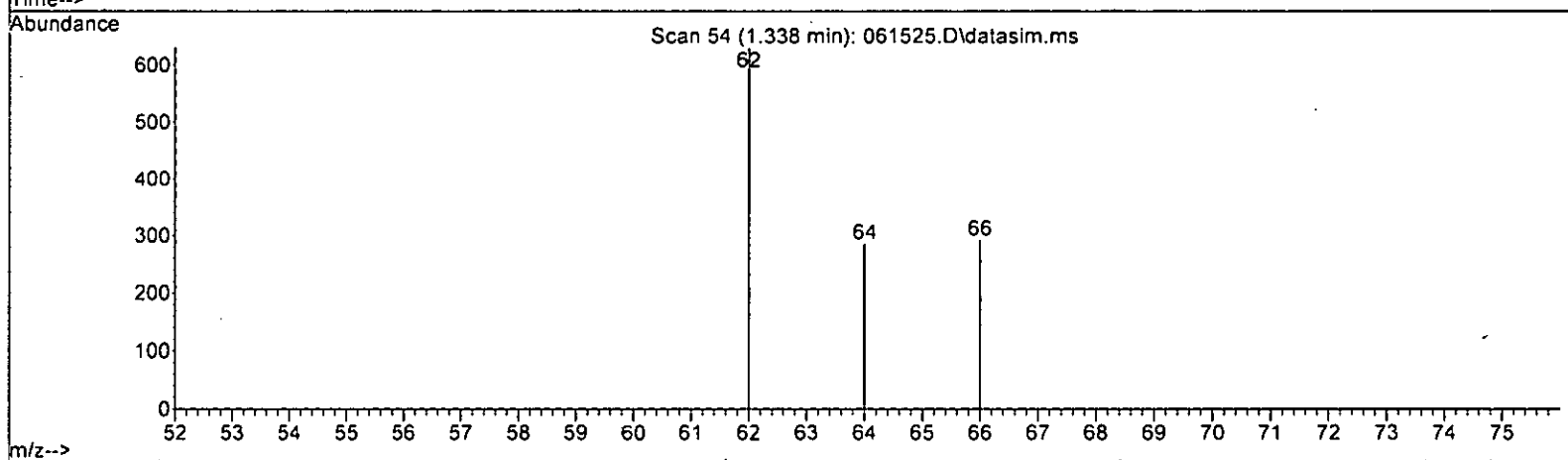
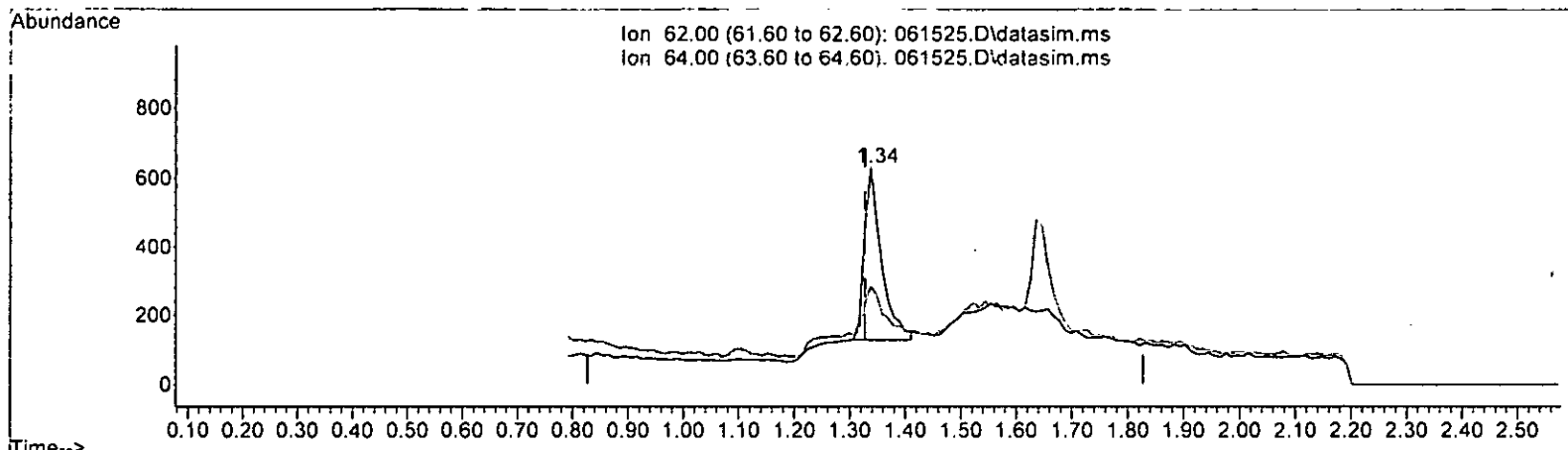
MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.010) 0.185 ppb m

response 1069

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 45.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

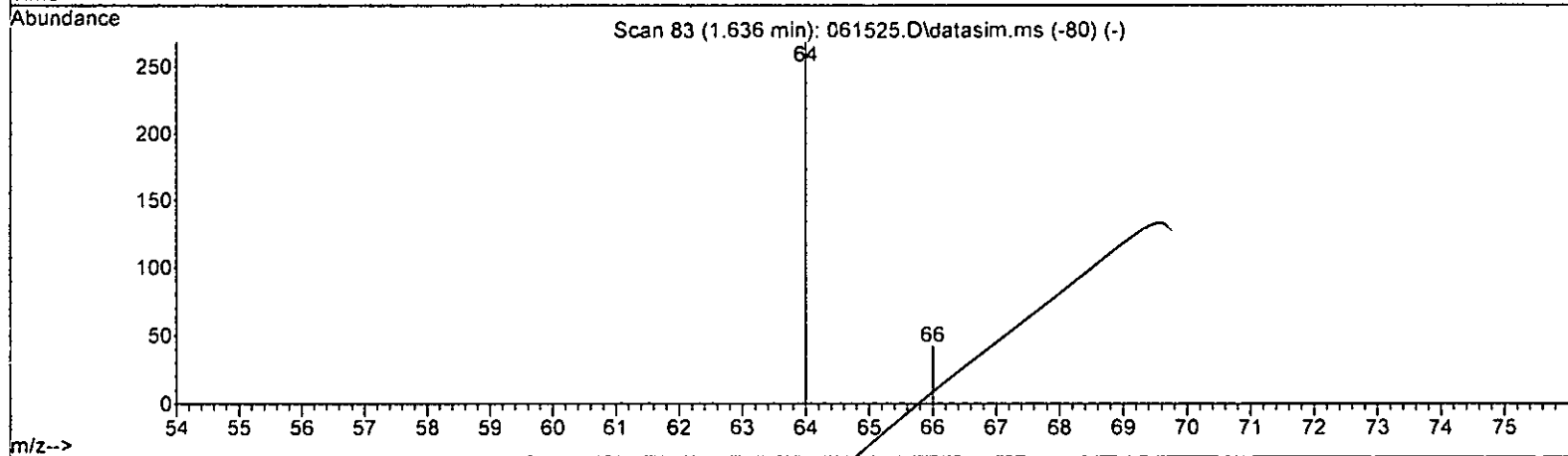
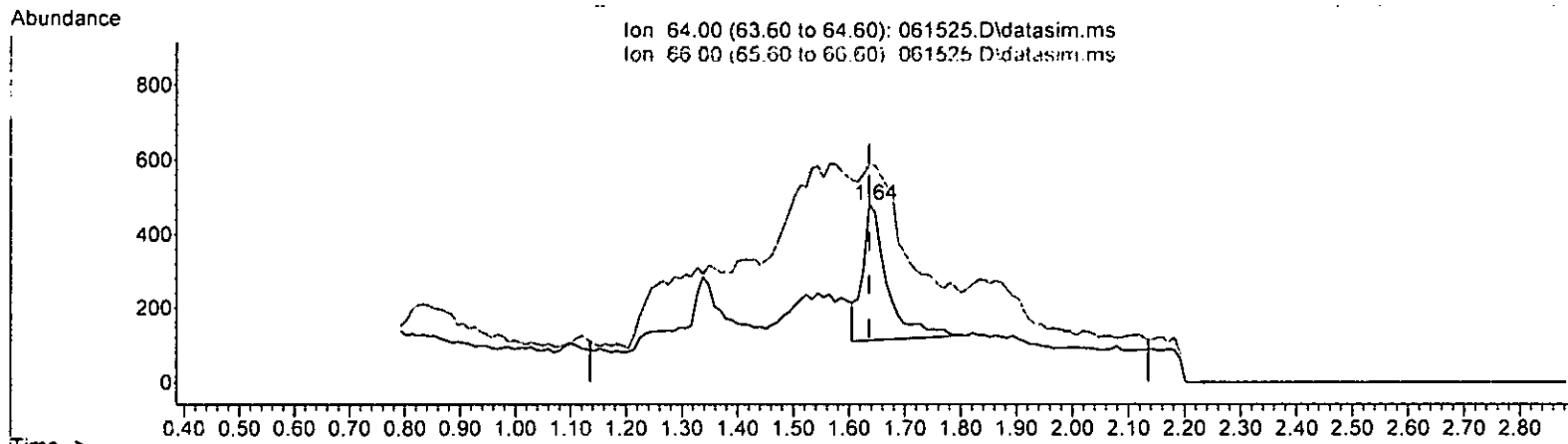
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

(8) Chloroethane (TMP)
 1.636min (+ 0.000) 0.415 ppb

response 1120

| Ion | Exp% | Act% |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 27.90 | 94.66# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

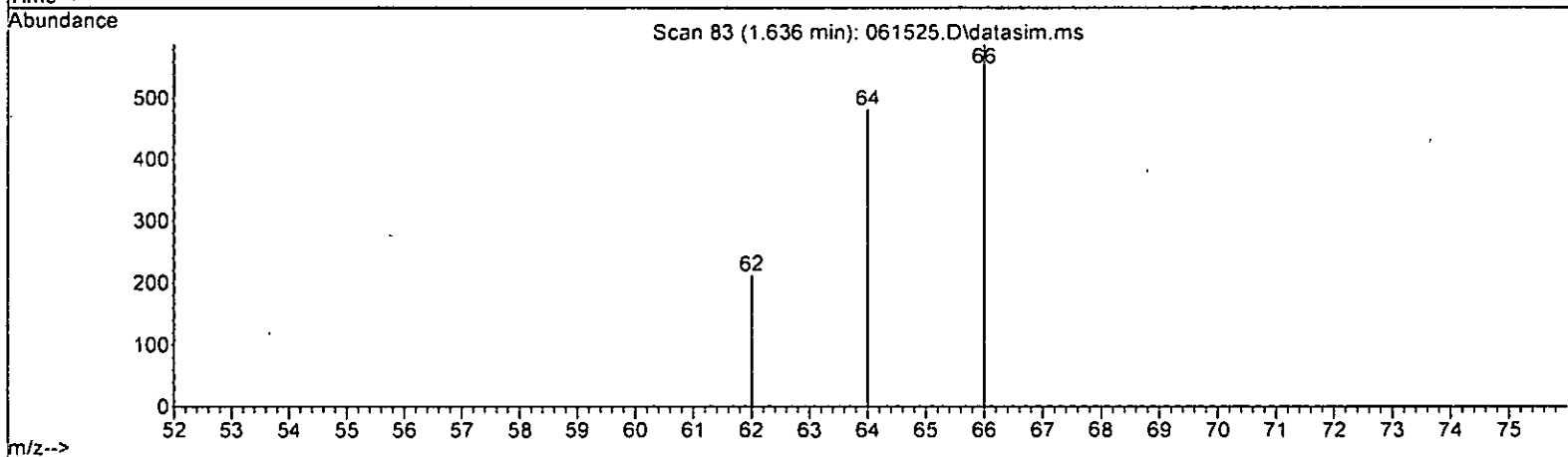
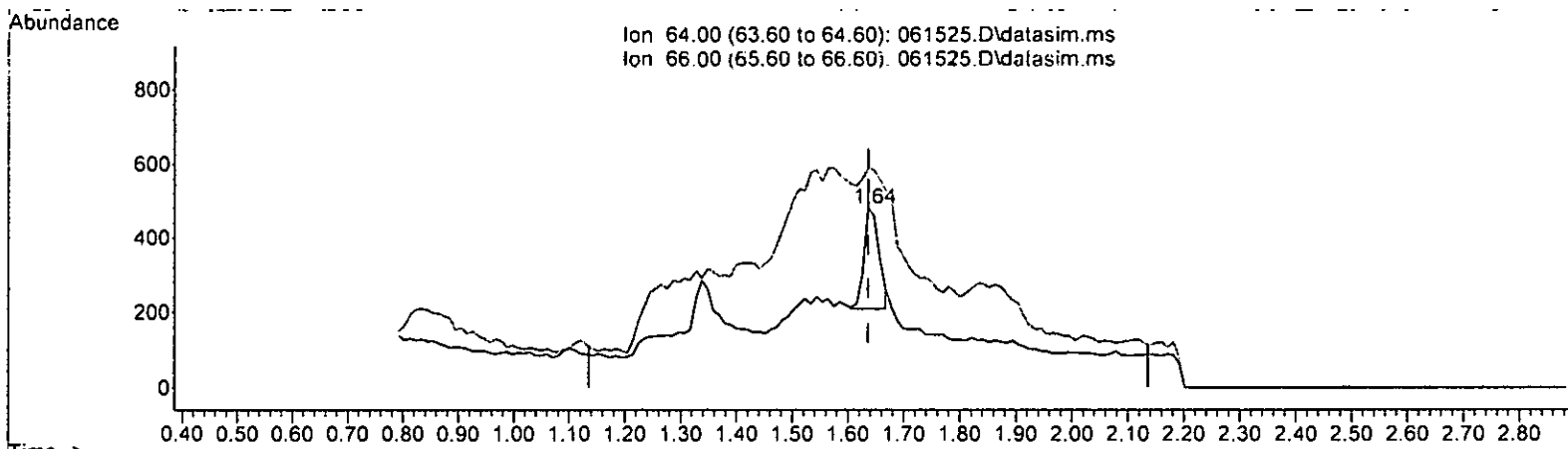
MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023

Response Via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061525.D\data.ms

(8) Chloroethane (TMP)

1.636min (+ 0.000) 0.188 ppb m

response 507

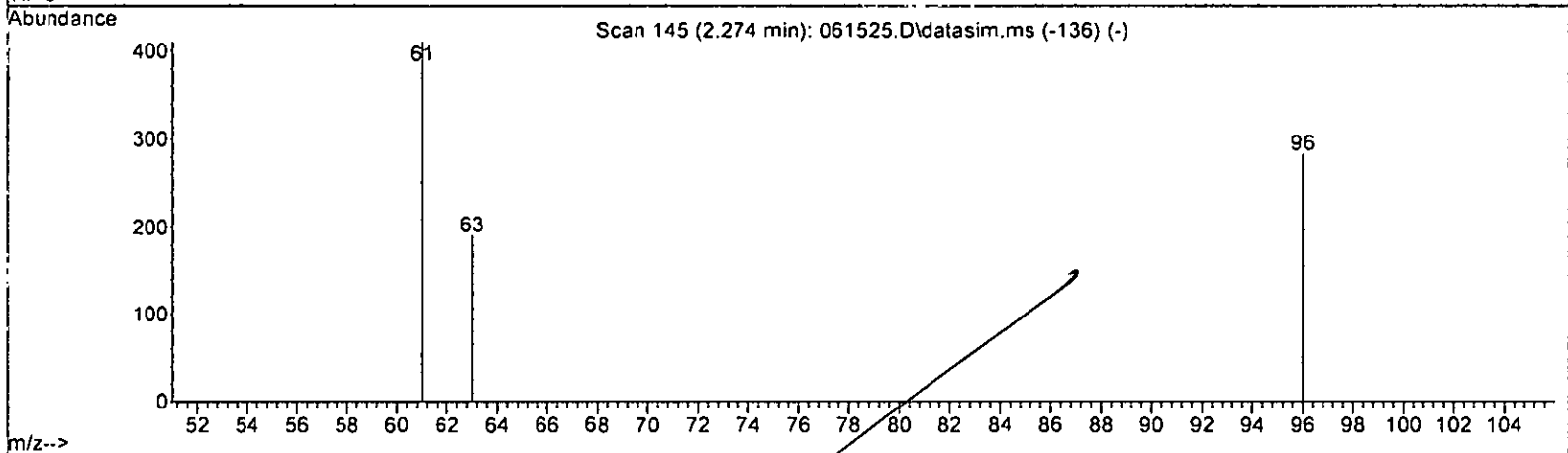
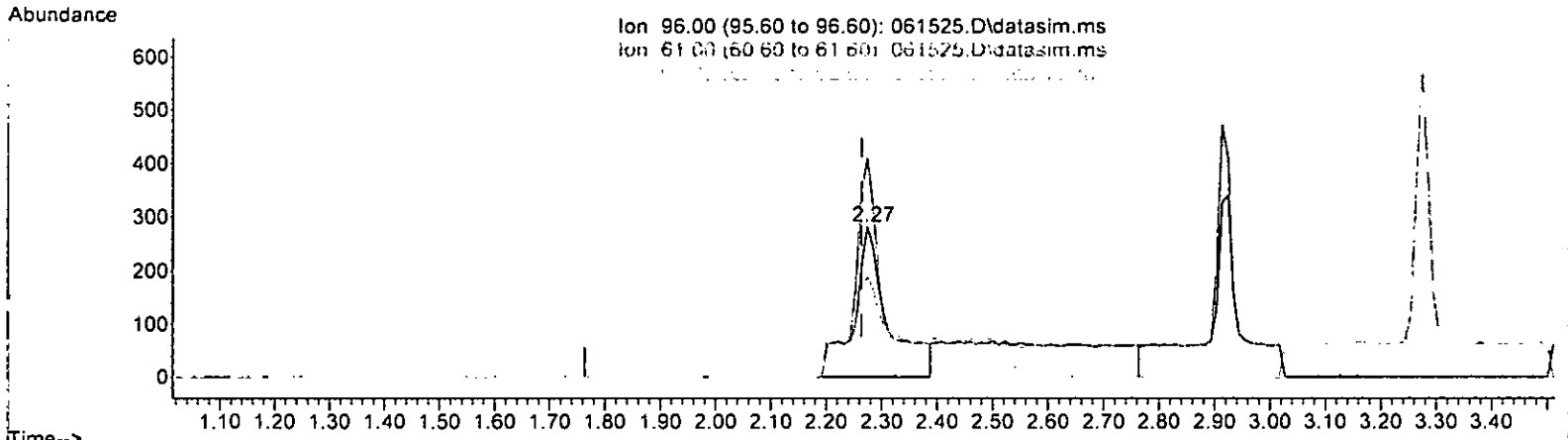
| Ion | Exp% | Act% |
|-------|--------|---------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 27.90 | 122.45# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast_Update: Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.010) 0.497 ppb

response 1230

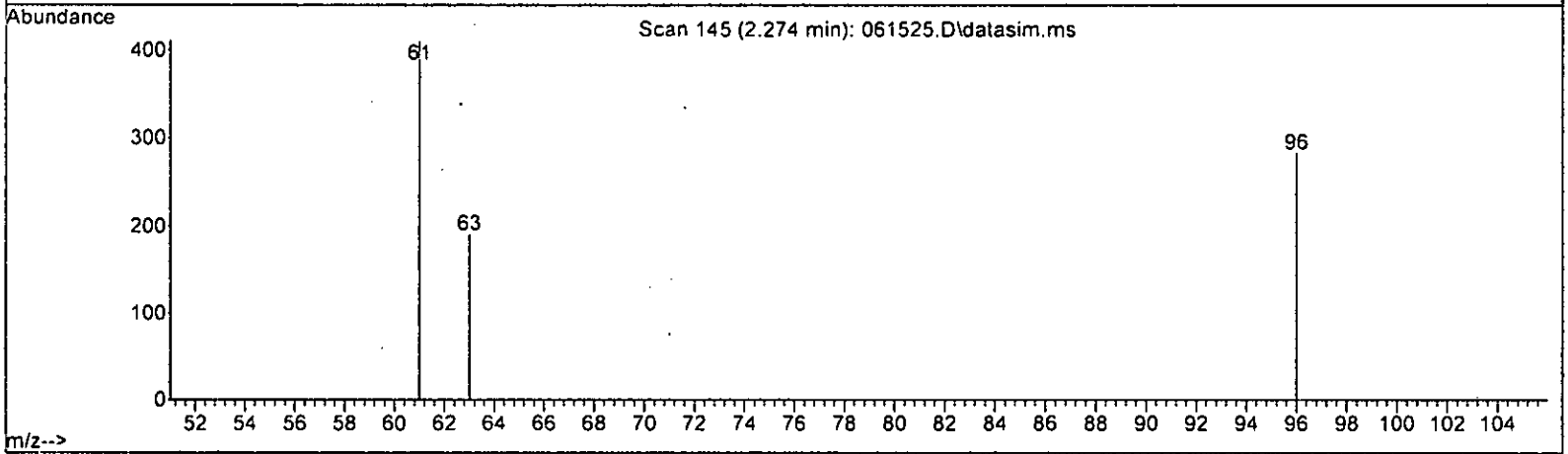
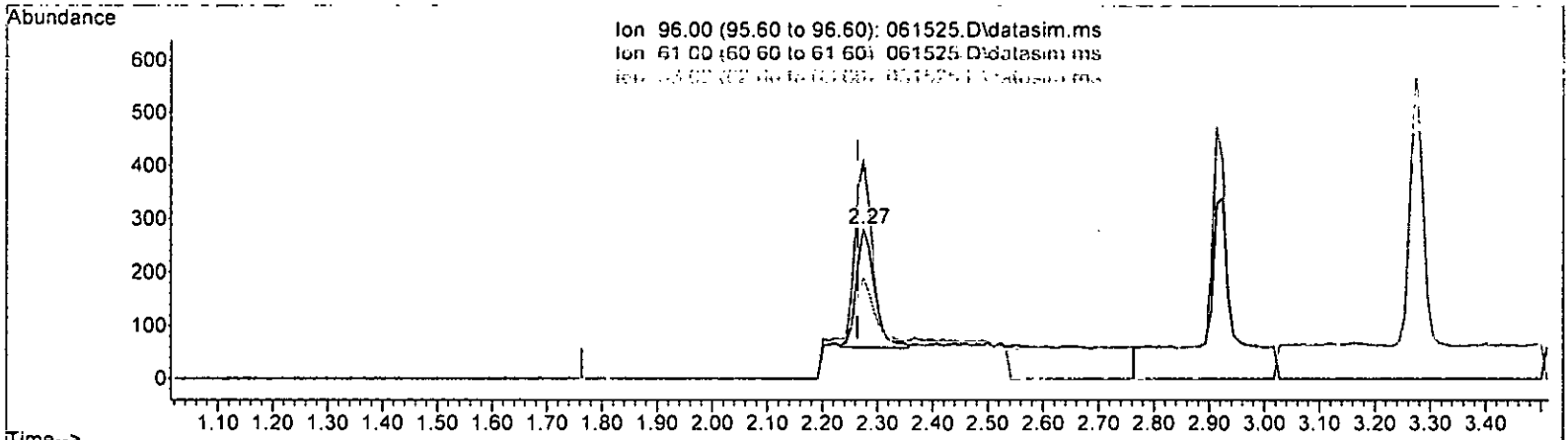
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 145.39 |
| 63.00 | 49.80 | 67.38 |
| 0.00 | 0.00 | 0.00 |

MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260-Purge-&-Trap Volatiles Dual Acquisition
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061525.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.010) 0.201 ppb m

response 514

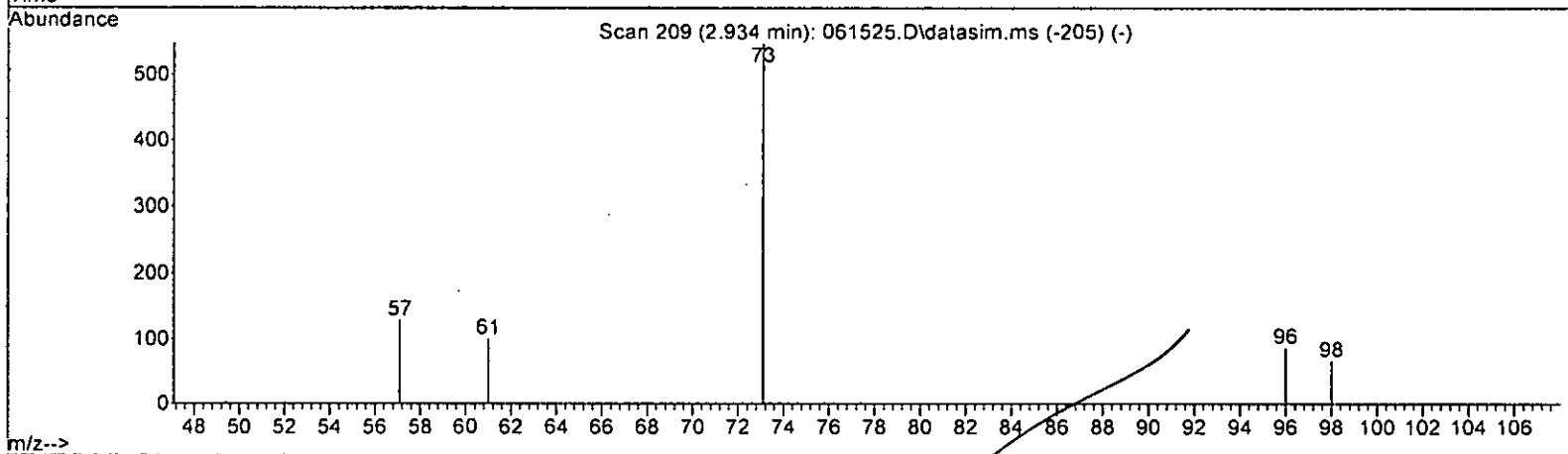
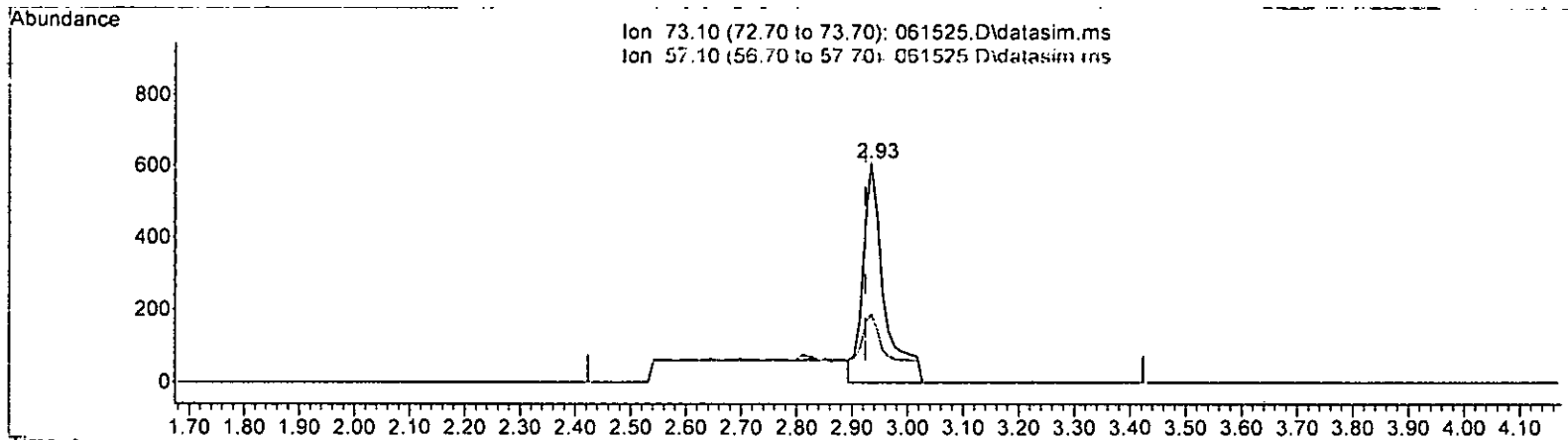
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 145.39 |
| 63.00 | 49.80 | 67.38 |
| 0.00 | 0.00 | 0.00 |

MB/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge & Trap Volatiles Dual Acquisition
~~QLast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

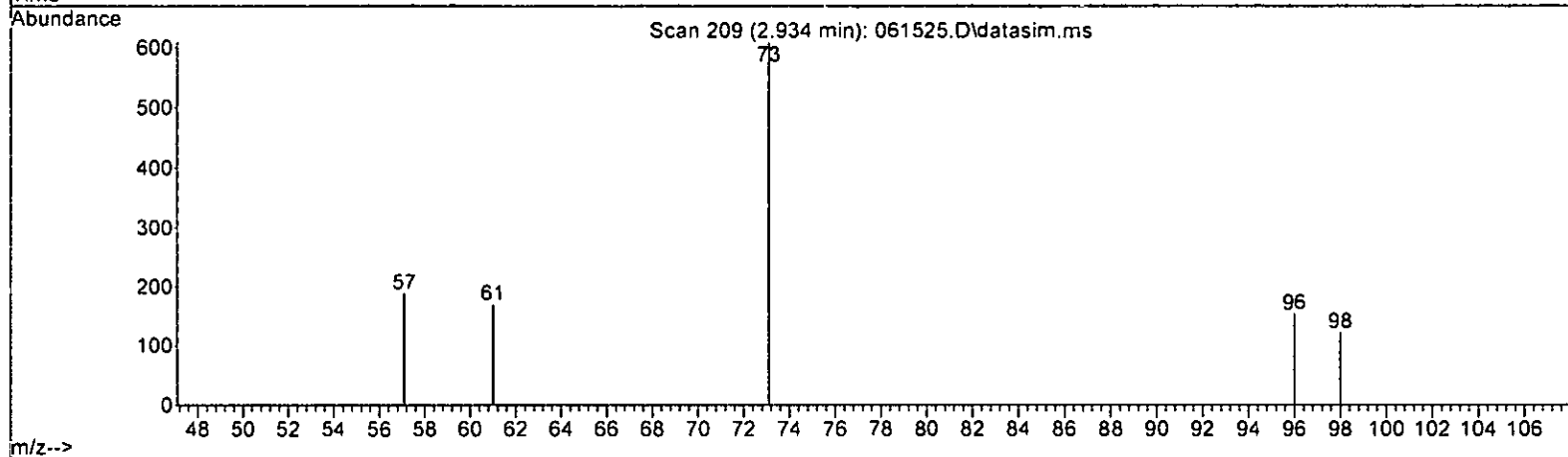
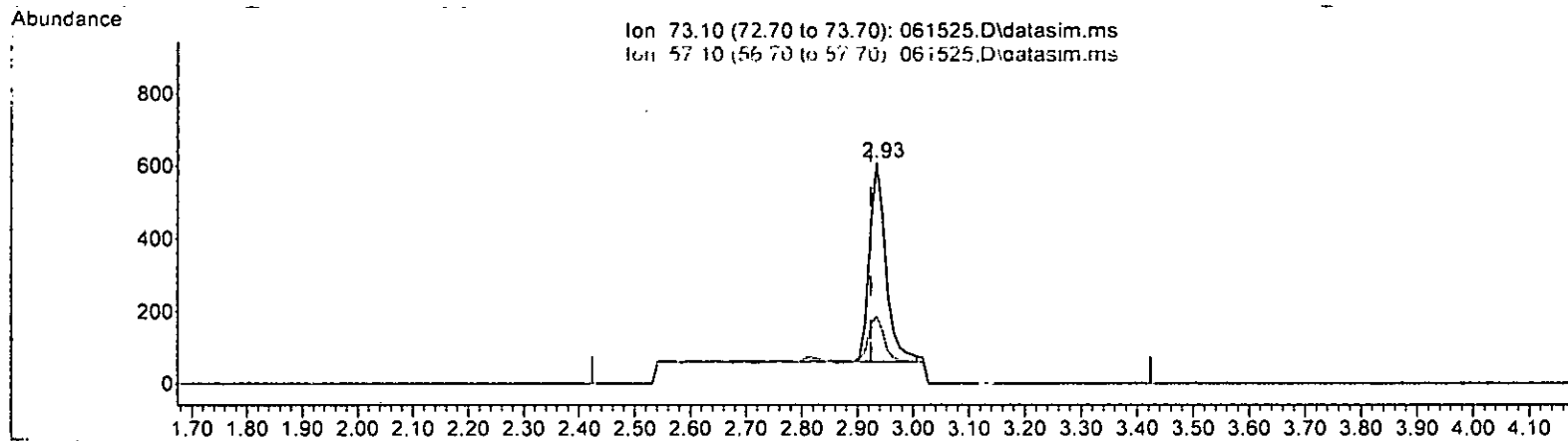
W 6/16

| (16) Methyl t-butyl ether (MTBE) (TMP) | | | |
|--|--------|--------|--|
| 2.934min (+ 0.010) 0.285 ppb | | | |
| response | 1582 | | |
| Ion | Exp% | Act% | |
| 73.10 | 100.00 | 100.00 | |
| 57.10 | 25.90 | 30.92 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
Data File : 061525.D
Acq On : 15 Jun 2023 05:28 pm
Operator : MD
Sample : 0.2 ppb 8260 ICAL 69-113i
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast_Update : Fri Jun 16 07:37:11 2023
Response via : Initial Calibration
DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (+ 0.010) 0.203 ppb m

response 1128

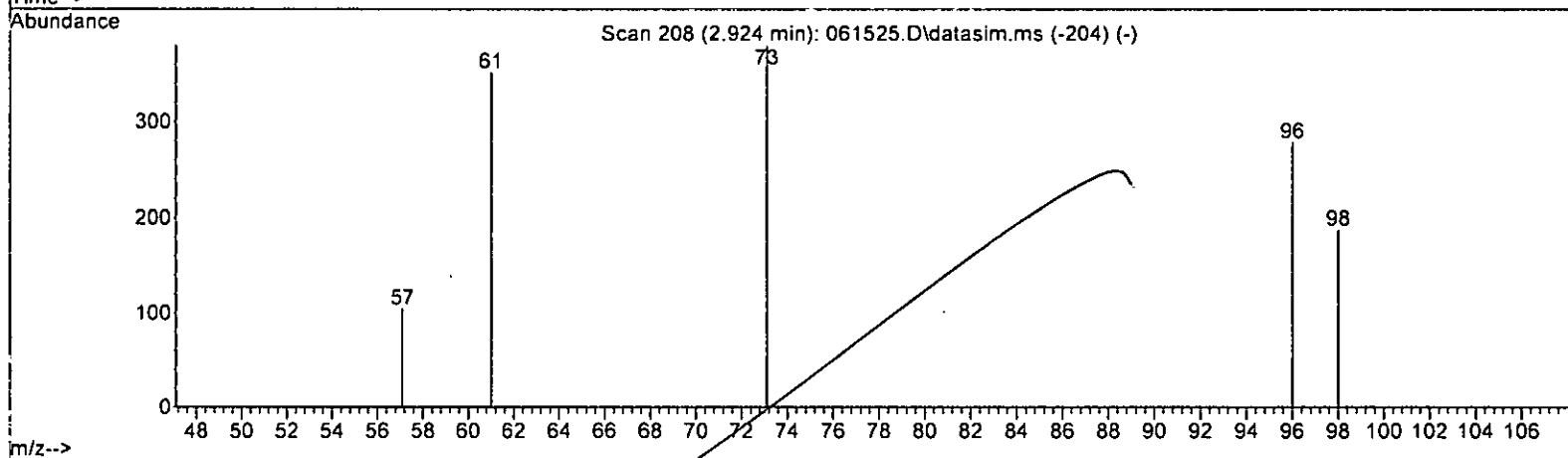
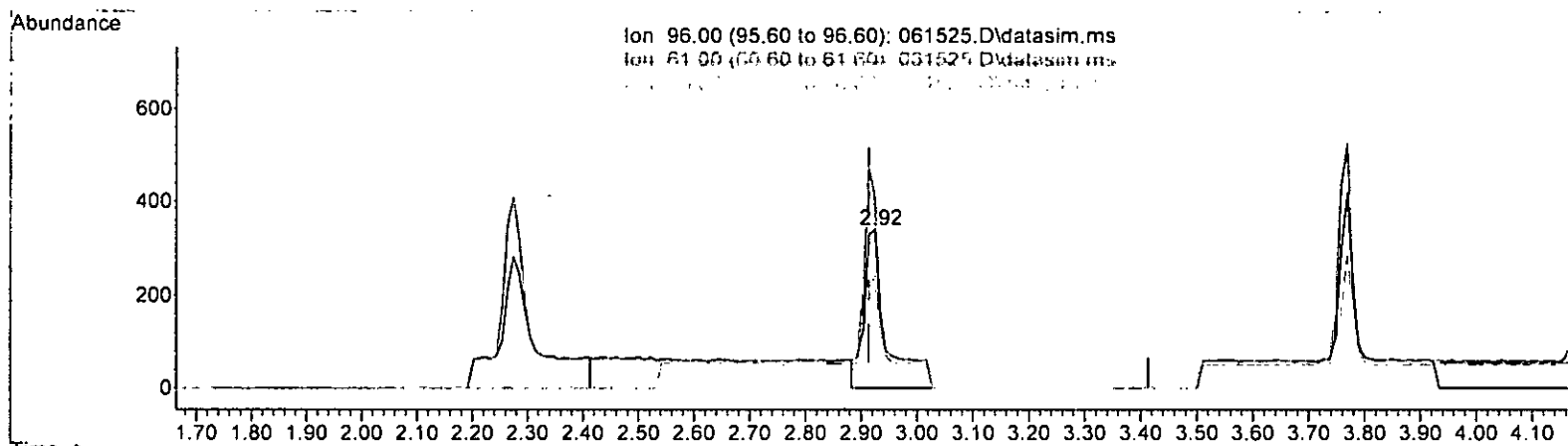
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 30.92 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : -8260-Purge-& Trap Volatiles-Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061525.D\data.ms

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

2.924min (+ 0.010) 0.298 ppb

response 951

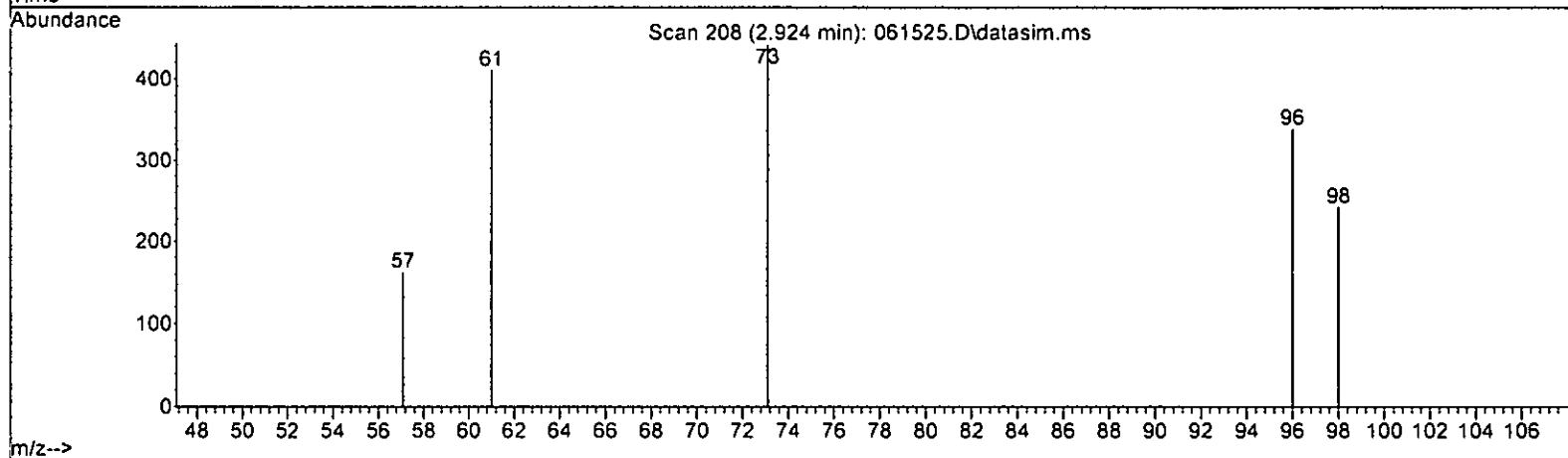
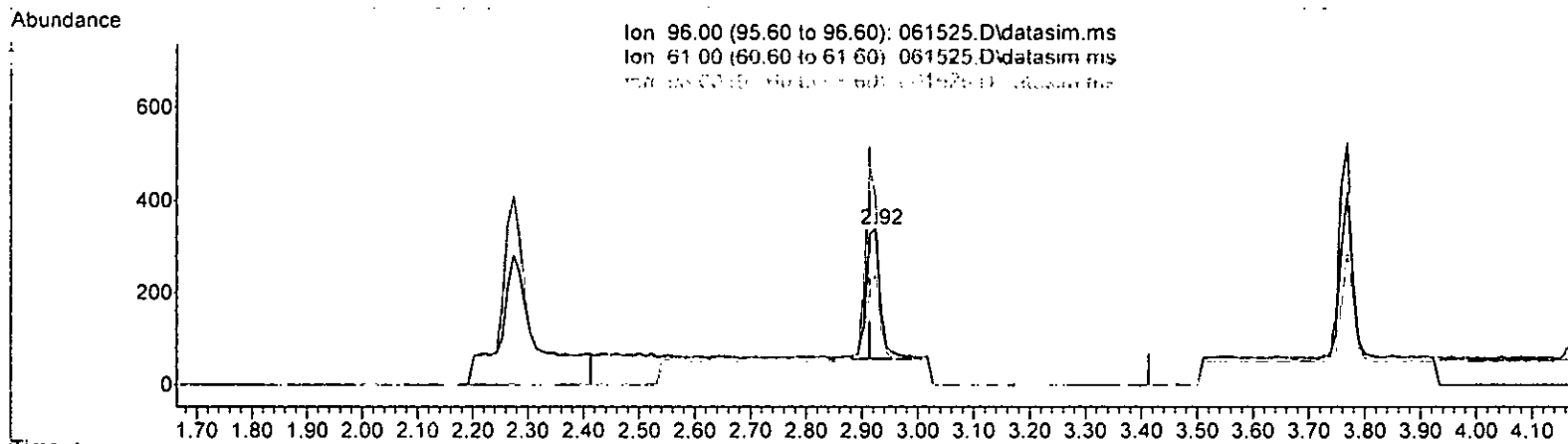
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 120.94 |
| 98.00 | 64.30 | 71.39 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature and date: M 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061525.D\data.ms

(17) trans-1,2-Dichloroethene (TMP) *u* 6/16

2.924min (+ 0.010) 0.208 ppb m

response 497

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 120.94 |
| 98.00 | 64.30 | 71.39 |
| 0.00 | 0.00 | 0.00 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|--------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 92402 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 77118 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 41419 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 27061 | 9.697 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 97.00% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 6007 | 10.417 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 104.20% | | |
| 35) Toluene-d8 | 6.10 | 98 | 90548 | 10.217 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 102.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 31460 | 10.026 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 100.30% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. d | | |
| 5) Chloromethane | 0.00 | | 0 | | N.D. d | | |
| 6] Vinyl chloride | 1.34 | 62 | 1069m | 0.185 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | | |
| 8] Chloroethane | 1.64 | 64 | 507m | 0.188 | ppb | | |
| 9) Trichlorofluoromethane | 1.84 | 101 | 2447 | 0.212 | ppb | | 88 |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | | |
| 11) Acetone | 0.00 | | 0 | | N.D. d | | |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 514m | 0.201 | ppb | | |
| 13) Hexane | 0.00 | | 0 | | N.D. d | | |
| 14) Methylene chloride | 0.00 | | 0 | | N.D. d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. d | | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 1128m | 0.203 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 497m | 0.208 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 1658 | 0.216 | ppb | | 78 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 813 | 0.203 | ppb | | 94 |
| 20) Ethyl t-butyl ether (E...) | 3.66 | 87 | 454 | 0.185 | ppb | # | 69 |
| 21) 2,2-Dichloropropane | 3.75 | 77 | 776 | 0.185 | ppb | | 46 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 545 | 0.211 | ppb | | 86 |
| 23) Chloroform | 4.04 | 83 | 981 | 0.234 | ppb | | 87 |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. d | | |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 1328 | 0.247 | ppb | | 86 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 808 | 0.206 | ppb | | 96 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 847 | 0.206 | ppb | | 94 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 573 | 0.192 | ppb | # | 61 |
| 29) Carbon tetrachloride | 4.32 | 117 | 774 | 0.206 | ppb | | 77 |
| 31] Benzene | 4.50 | 78 | 1740 | 0.205 | ppb | | 92 |
| 32] Trichloroethene | 5.04 | 95 | 569 | 0.195 | ppb | | 94 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 467 | 0.216 | ppb | # | 89 |
| 34) Bromodichloromethane | 5.48 | 83 | 517 | 0.167 | ppb | | 69 |
| 36) Dibromomethane | 5.34 | 93 | 294 | 0.189 | ppb | | 91 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023

Quant Method : Y:\Methods\Inst13\061523vms13.M

Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition

QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration

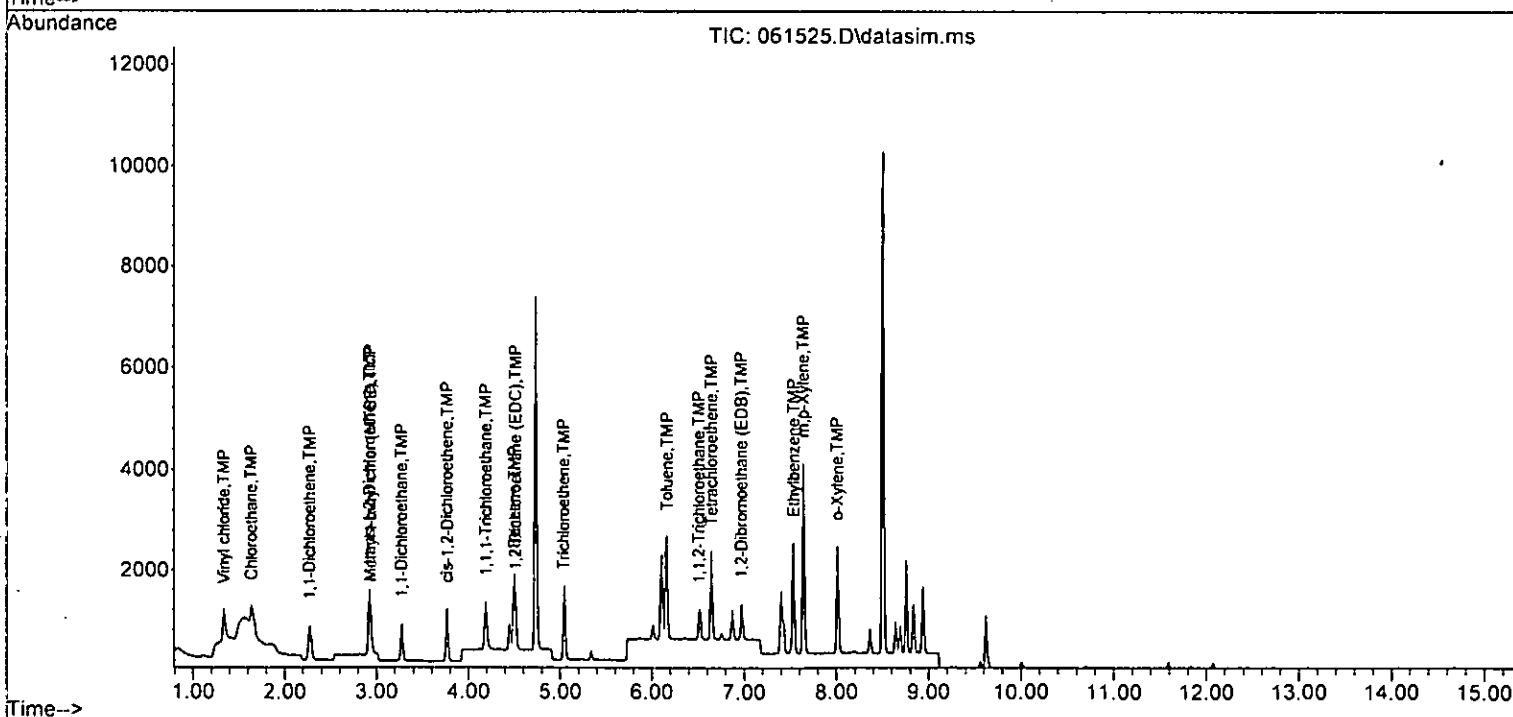
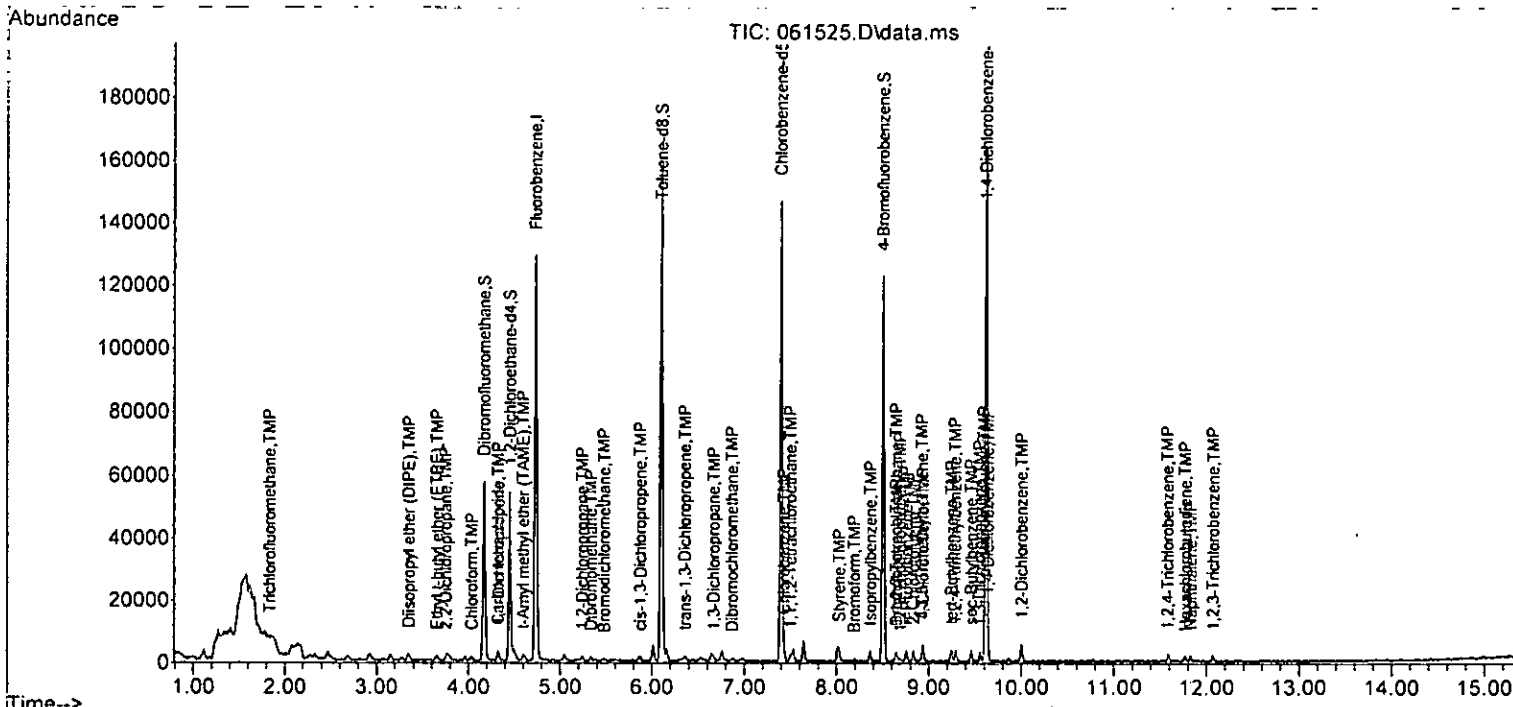
DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | N.D. | d | |
| 38) cis-1,3-Dichloropropene | 5.88 | 75 | 634 | 0.190 | ppb | 73 |
| 40] Toluene | 6.16 | 92 | 1247 | 0.199 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 722 | 0.220 | ppb | 88 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 393 | 0.223 | ppb | 96 |
| 43) 2-Hexanone | 0.00 | | 0 | N.D. | d | |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 672 | 0.217 | ppb | 77 |
| 45] Tetrachloroethene | 6.65 | 164 | 625 | 0.208 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 431 | 0.141 | ppb | 97 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 529 | 0.196 | ppb | 98 |
| 48) Chlorobenzene | 7.43 | 112 | 1520 | 0.214 | ppb | 90 |
| 49] Ethylbenzene | 7.54 | 91 | 2275 | 0.203 | ppb | 96 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 584 | 0.209 | ppb | # 76 |
| 51] m,p-Xylene | 7.64 | 106 | 1865 | 0.405 | ppb | 97 |
| 52] o-Xylene | 8.01 | 106 | 903 | 0.202 | ppb | 96 |
| 53) Styrene | 8.03 | 104 | 1349 | 0.200 | ppb | 96 |
| 54) Isopropylbenzene | 8.37 | 105 | 2044 | 0.198 | ppb | 98 |
| 55) Bromoform | 8.19 | 173 | 555 | 0.243 | ppb | # 58 |
| 58) n-Propylbenzene | 8.76 | 91 | 2225 | 0.194 | ppb | 96 |
| 59) Bromobenzene | 8.65 | 156 | 820 | 0.242 | ppb | # 68 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 1825 | 0.210 | ppb | 84 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 747 | 0.237 | ppb | 82 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 316 | 0.164 | ppb | # 63 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 1394 | 0.208 | ppb | 86 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 1847 | 0.229 | ppb | 76 |
| 65) tert-Butylbenzene | 9.25 | 119 | 1567 | 0.191 | ppb | 85 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 1901 | 0.210 | ppb | 91 |
| 67) sec-Butylbenzene | 9.46 | 105 | 2278 | 0.204 | ppb | 100 |
| 68) p-Isopropyltoluene | 9.60 | 119 | 2096 | 0.205 | ppb | 79 |
| 69) 1,3-Dichlorobenzene | 9.55 | 146 | 1179 | 0.199 | ppb | 83 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 1262 | 0.213 | ppb | 91 |
| 71) 1,2-Dichlorobenzene | 10.01 | 146 | 1220 | 0.217 | ppb | 72 |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | N.D. | | |
| 73) 1,2,4-Trichlorobenzene | 11.58 | 180 | 710 | 0.176 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.78 | 225 | 431 | 0.183 | ppb | 82 |
| 75) Naphthalene | 11.83 | 128 | 1712 | 0.194 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 852 | 0.222 | ppb | 80 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_& Trap_Volatiles_Dual_Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 9.697 | 3.0 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | -1.000 | 0.000 | 0.0 | 0 | -1.11# |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 0.200 | 0.185 | 7.5 | 95 | 0.01 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | 0.200 | 0.188 | 6.0 | 102 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 0.200 | 0.212 | -6.0 | 100 | -0.01 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.200 | 0.201 | -0.5 | 101 | 0.01 |
| 13 TMP | Hexane | -1.000 | 0.000 | 0.0 | 0 | -3.15# |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.200 | 0.203 | -1.5 | 97 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.200 | 0.208 | -4.0 | 94 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.200 | 0.216 | -8.0 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.200 | 0.185 | 7.5 | 100 | 0.01 |
| 21 TMP | 2,2-Dichloropropane | 0.200 | 0.185 | 7.5 | 100 | -0.01 |
| 22 TMP | cis-1,2-Dichloroethene | 0.200 | 0.211 | -5.5 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.200 | 0.234 | -17.0 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | -1.000 | 0.000 | 0.0 | 0 | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.200 | 0.247 | -23.5# | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EOC) | 0.200 | 0.206 | -3.0 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.200 | 0.206 | -3.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.200 | 0.192 | 4.0 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 0.200 | 0.206 | -3.0 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.417 | -4.2 | 100 | 0.00 |
| 31 TMP | Benzene | 0.200 | 0.205 | -2.5 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.200 | 0.195 | 2.5 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.200 | 0.216 | -8.0 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.200 | 0.167 | 16.5 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.217 | -2.2 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.200 | 0.189 | 5.5 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | -1.000 | 0.000 | 0.0 | 0 | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.200 | 0.190 | 5.0 | 100 | 0.01 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.200 | 0.199 | 0.5 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.200 | 0.220 | -10.0 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.200 | 0.223 | -11.5 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | -1.000 | 0.000 | 0.0 | 0 | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response Via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.200 | 0.217 | -8.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.200 | 0.208 | -4.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.200 | 0.141 | 29.5# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.200 | 0.196 | 2.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.200 | 0.214 | -7.0 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 0.200 | 0.203 | -1.5 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.200 | 0.209 | -4.5 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.400 | 0.405 | -1.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.200 | 0.202 | -1.0 | 100 | 0.00 |
| 53 TMP Styrene | 0.200 | 0.200 | 0.0 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 0.200 | 0.198 | 1.0 | 100 | 0.00 |
| 55 TMP Bromoform | 0.200 | 0.243 | -21.5# | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 10.000 | 10.026 | -0.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 0.200 | 0.194 | 3.0 | 90 | 0.00 |
| 59 TMP Bromobenzene | 0.200 | 0.242 | -21.0# | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.200 | 0.237 | -18.5 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.200 | 0.164 | 18.0 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 0.200 | 0.208 | -4.0 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 0.200 | 0.229 | -14.5 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 0.200 | 0.191 | 4.5 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 0.200 | 0.210 | -5.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 0.200 | 0.204 | -2.0 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 0.200 | 0.205 | -2.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 0.200 | 0.199 | 0.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 0.200 | 0.213 | -6.5 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 0.200 | 0.217 | -8.5 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.200 | 0.000 | 100.0# | 0 | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.200 | 0.176 | 12.0 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.200 | 0.183 | 8.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 0.200 | 0.194 | 3.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.200 | 0.222 | -11.0 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response Via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S | Dibromofluoromethane | 0.302 | 0.293 | 3.0 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.000# | 100.0# | 0# | -1.11# |
| 5 TMP | Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP | Vinyl chloride | 0.628 | 0.578 | 8.0 | 95 | 0.01 |
| 7 TMP | Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP | Chloroethane | 0.292 | 0.274 | 6.2 | 102 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.324 | -5.9 | 100 | -0.01 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP | Acetone | 0.035 | 0.000# | 100.0# | 0# | -2.32# |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.278 | 1.4 | 101 | 0.01 |
| 13 TMP | Hexane | 0.343 | 0.000# | 100.0# | 0# | -3.15# |
| 14 TMP | Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.610 | -1.5 | 97 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.269 | -3.9 | 94 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.897 | -7.8 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.440 | -1.4 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.246 | 7.5 | 100 | 0.01 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.420 | -39.5# | 100 | -0.01 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.295 | -5.4 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.531 | -17.0 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.000# | 100.0# | 0# | -3.78# |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.719 | -23.5# | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.437 | 1.1 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.458 | -2.9 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.310 | 3.7 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.419 | -2.7 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.065 | -4.8 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.942 | -2.6 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.308 | 3.4 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.253 | -8.1 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.280 | 16.4 | 100 | 0.00 |
| 35 S | Toluene-d8 | 0.959 | 0.980 | -2.2 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.159 | 5.4 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.000# | 100.0# | 0# | -6.01# |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.343 | 5.0 | 100 | 0.01 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.809 | 2.6 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.468 | -10.1 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.255 | -11.4 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.000# | 100.0# | 0# | -6.75# |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061525.D
 Acq On : 15 Jun 2023 05:28 pm
 Operator : MD
 Sample : 0.2 ppb 8260 ICAL 69-113i
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:08 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Oev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.436 | -8.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.405 | -2.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.279 | 29.4# | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.343 | 5.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.986 | -7.3 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.475 | -1.6 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.379 | -4.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.605 | -1.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.585 | -0.9 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.875 | -0.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.325 | 0.9 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.360 | -21.6# | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.760 | -0.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.686 | 2.8 | 90 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.990 | -21.0# | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.203 | -5.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.902 | -50.6# | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.381# | 18.2 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.683 | -3.8 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 2.230 | -14.3 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.892 | 4.5 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.295 | -4.9 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.750 | -2.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.530 | -2.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.423 | 0.3 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.523 | -6.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.473 | -8.5 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.000# | 100.0# | 0# | -10.77# |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.857 | 11.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.520 | 8.8 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.067 | 3.2 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 1.029 | -11.1 | 100 | 0.00 |

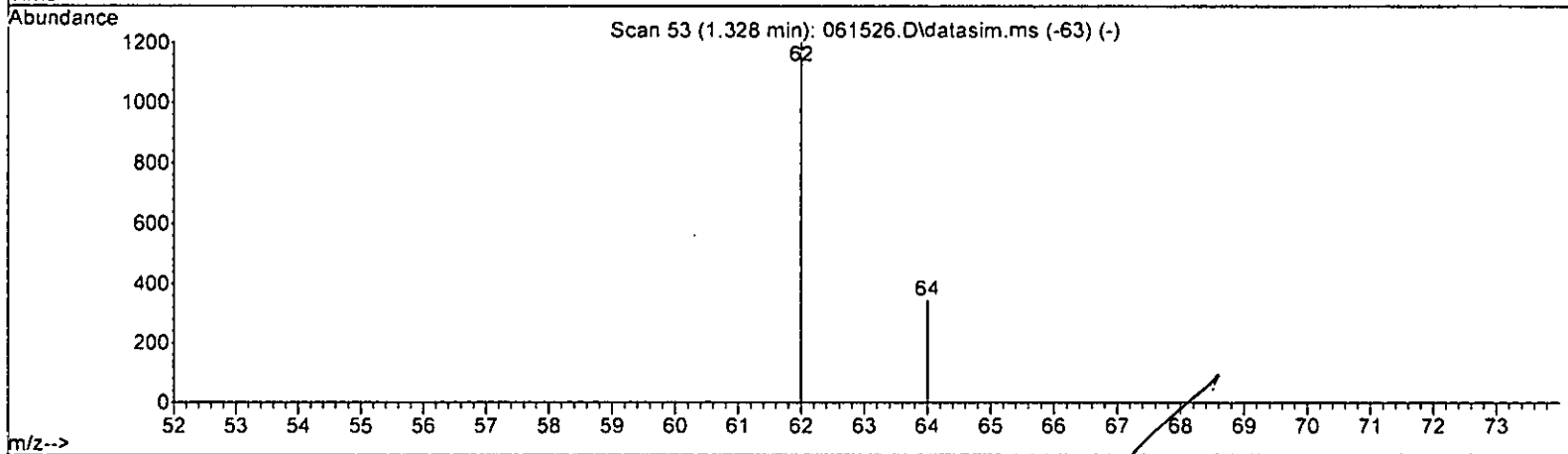
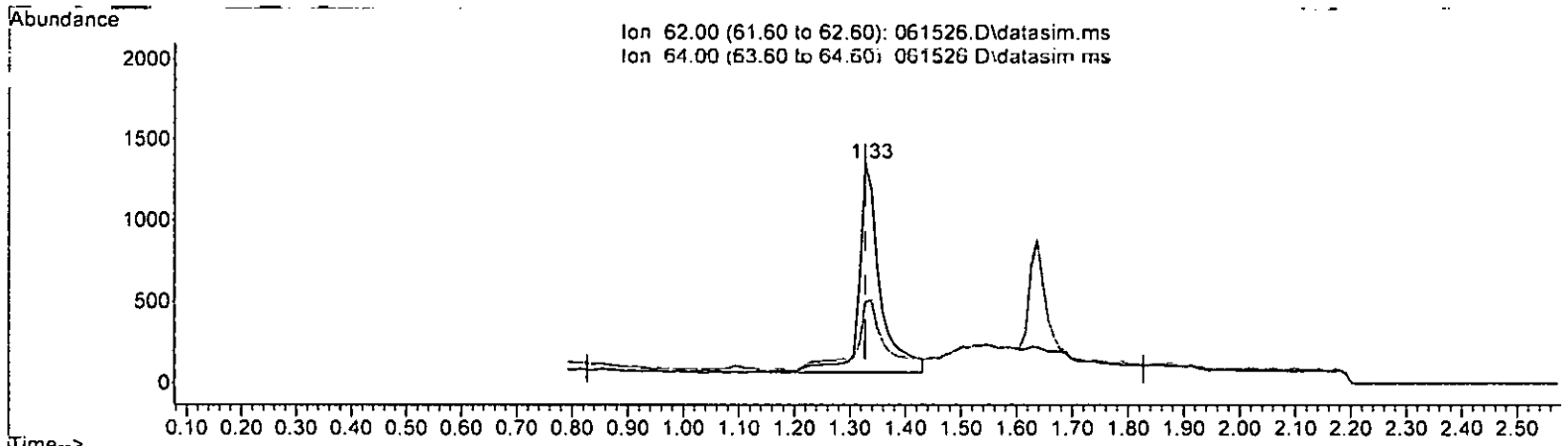
(#) = Out of Range

SPCC's out = 13 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.594 ppb

response 3393

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 32.45 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

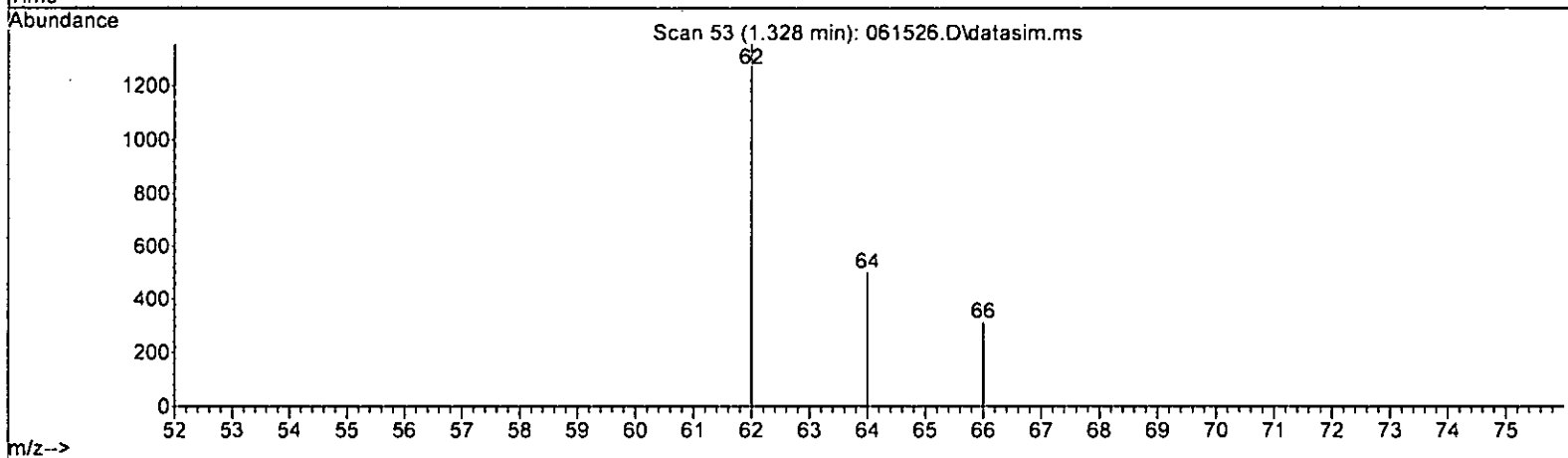
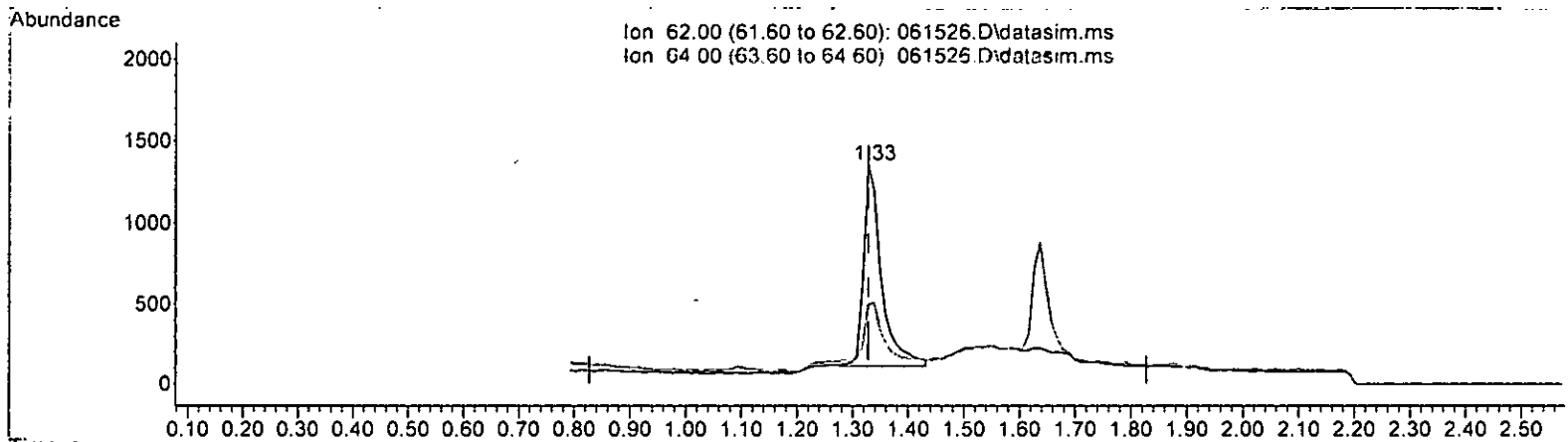
m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(6) Vinyl chloride (TMP)
 1.328min (+ 0.000) 0.485 ppb m

response 2773

| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 36.98 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

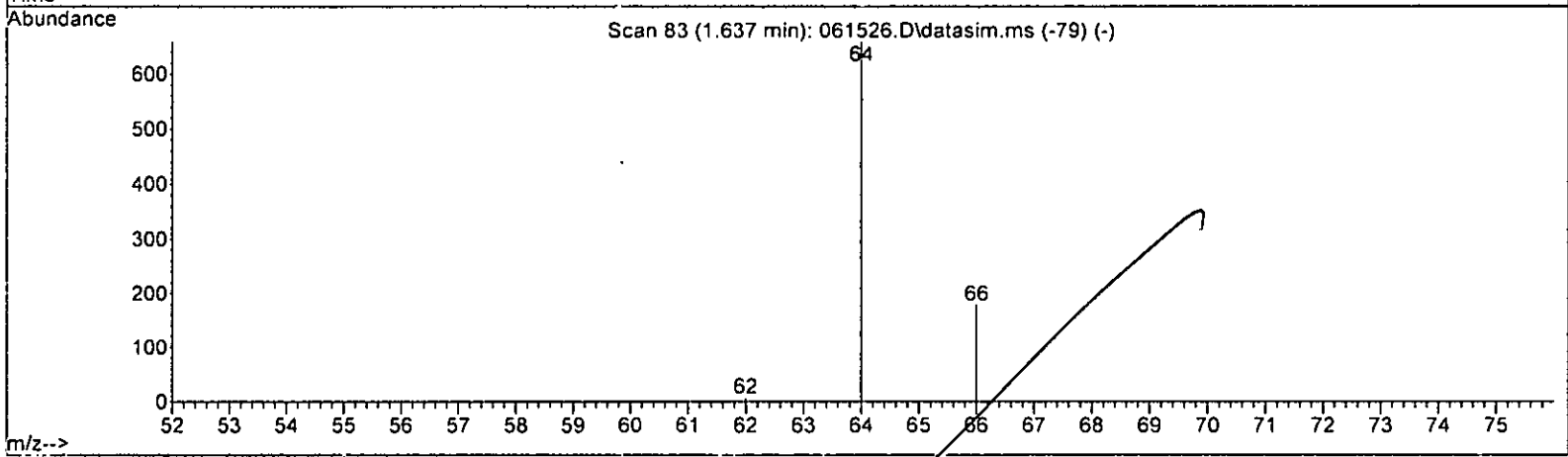
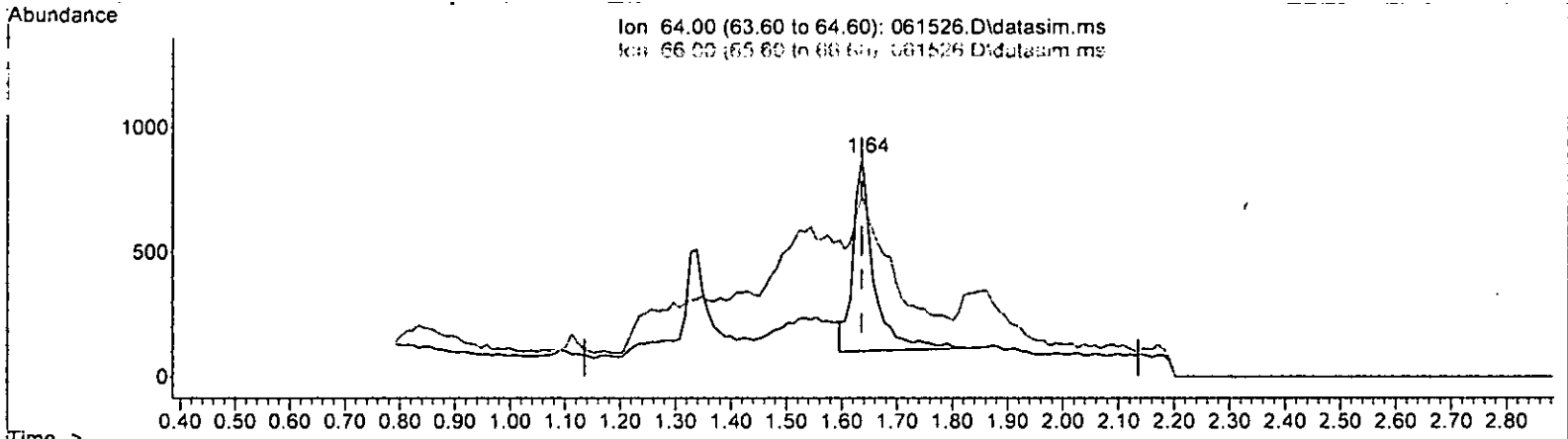
6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(8) Chloroethane (TMP)

1.637min (+ 0.001) 0.745 ppb

response 2000

| Ion | Exp% | Act% |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 27.90 | 51.05 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

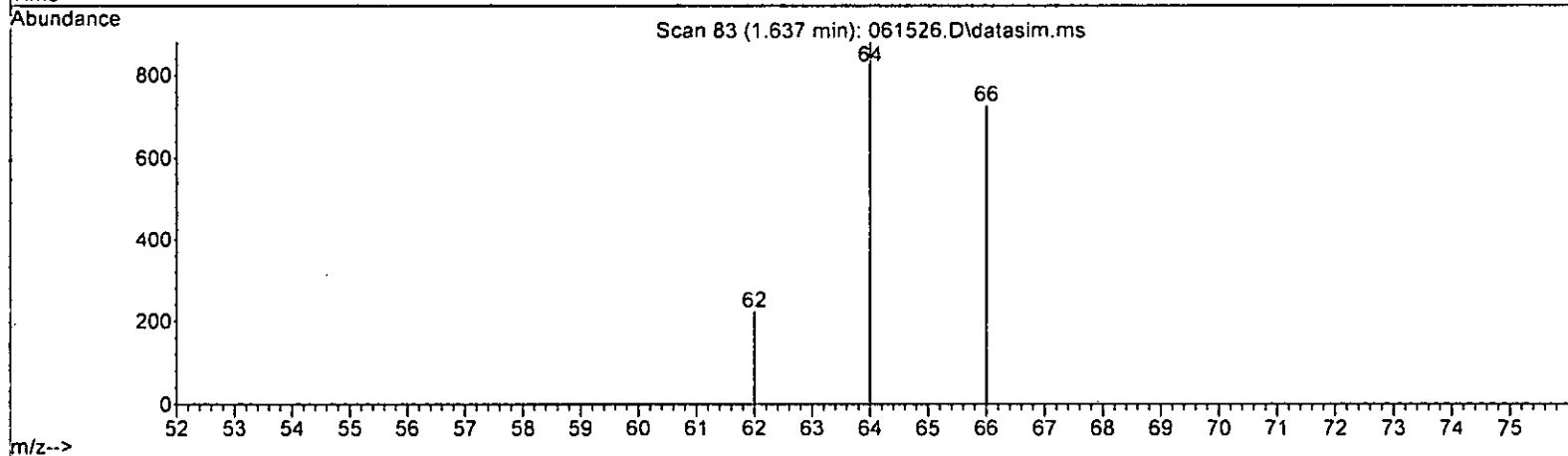
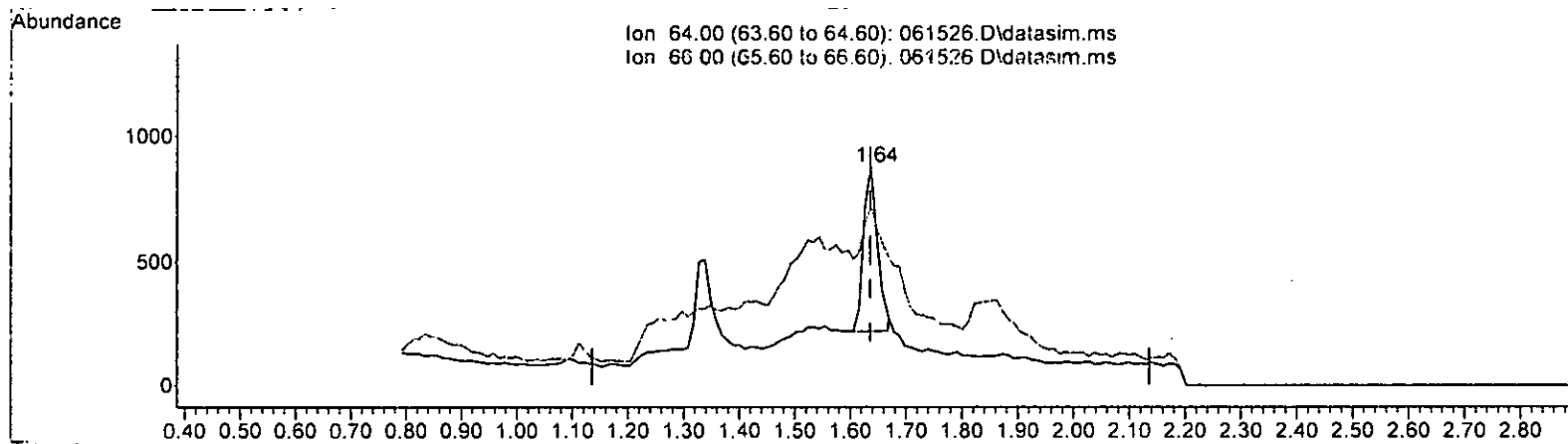
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(8) Chloroethane (TMP)

1.637min (+ 0.001) 0.436 ppb m

response 1170

| Ion | Exp% | Act% |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 27.90 | 82.59# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

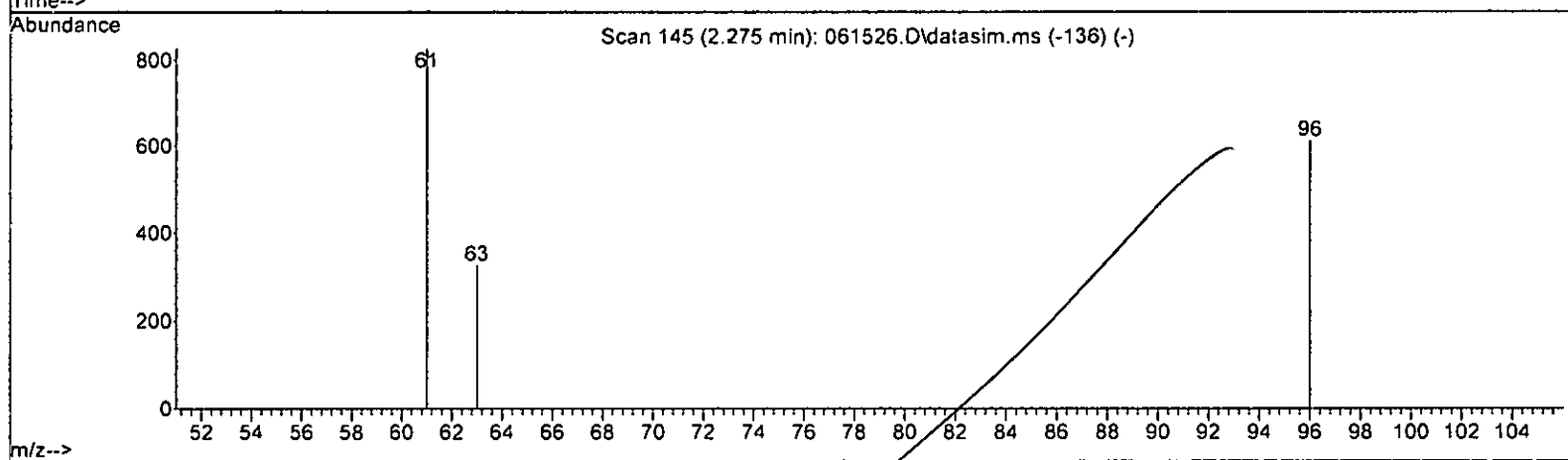
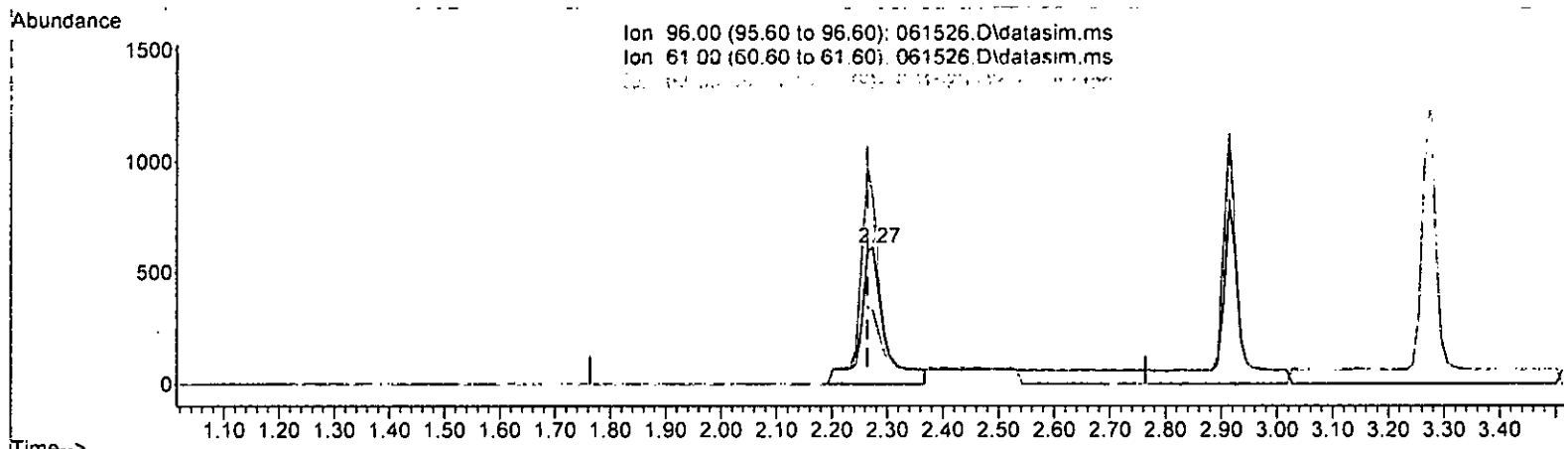
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 0.749 ppb

response 1835

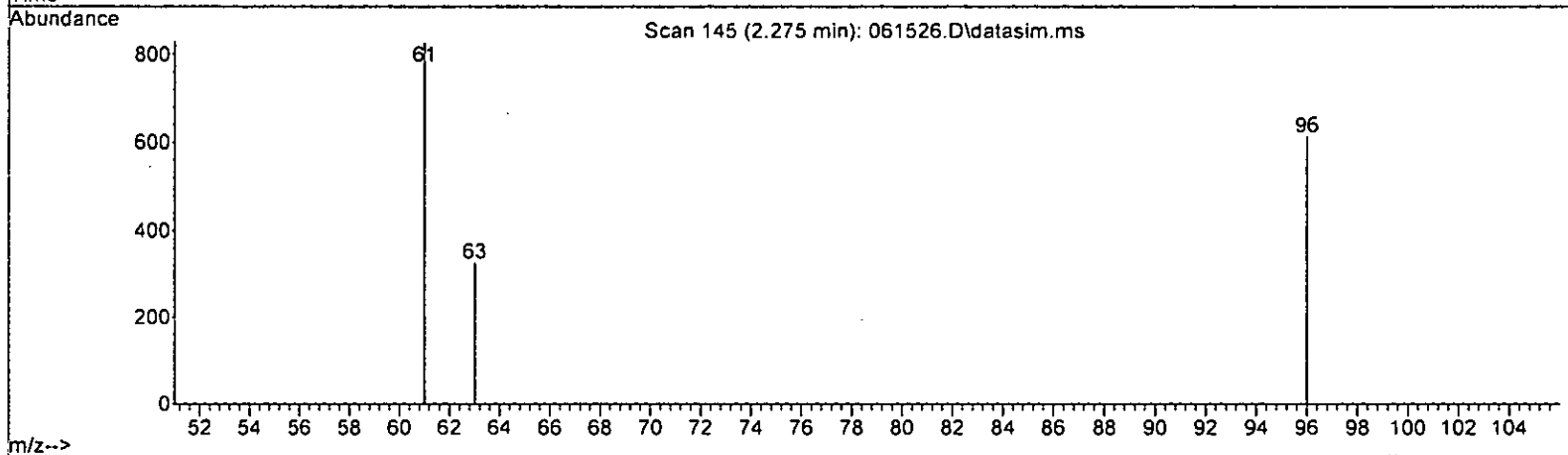
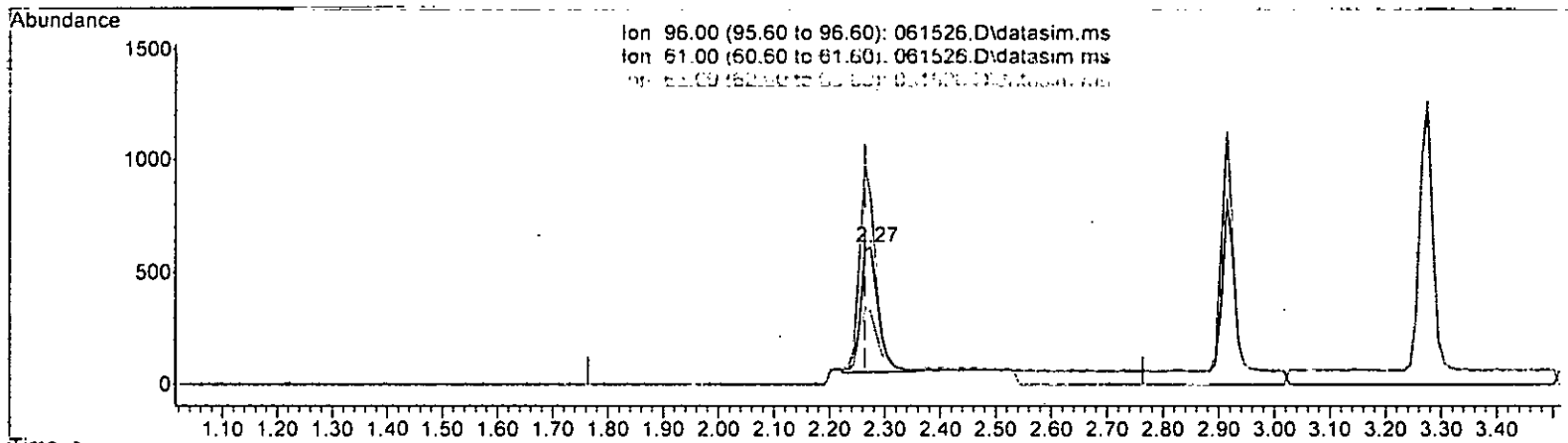
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 135.13 |
| 63.00 | 49.80 | 53.27 |
| 0.00 | 0.00 | 0.00 |

MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 0.498 ppb m

response 1229

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 135.13 |
| 63.00 | 49.80 | 53.27 |
| 0.00 | 0.00 | 0.00 |

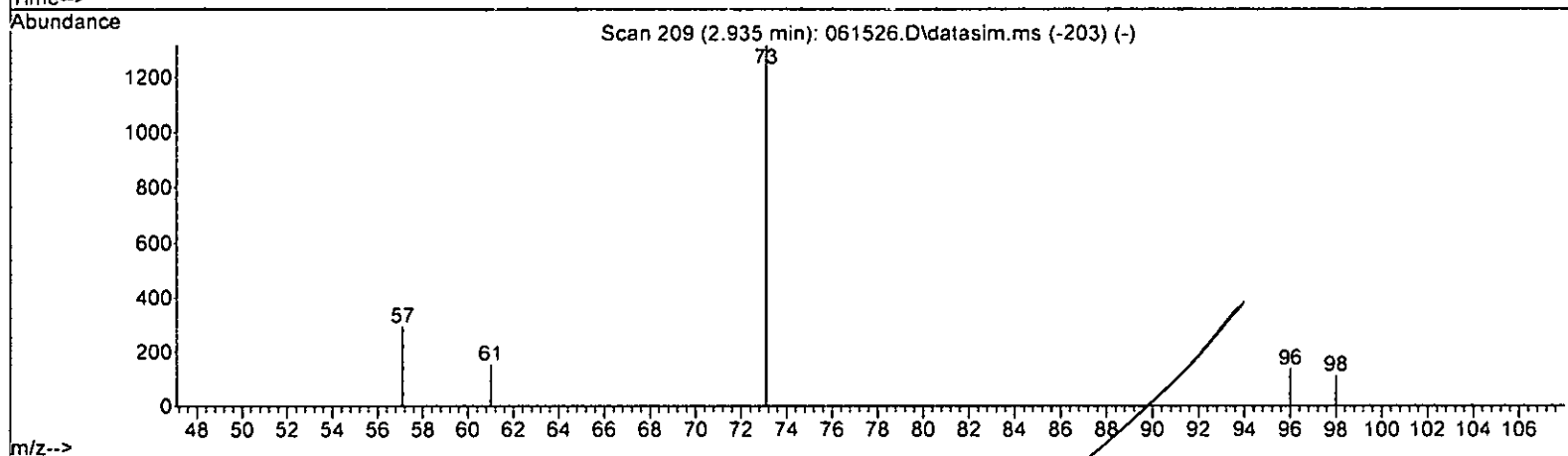
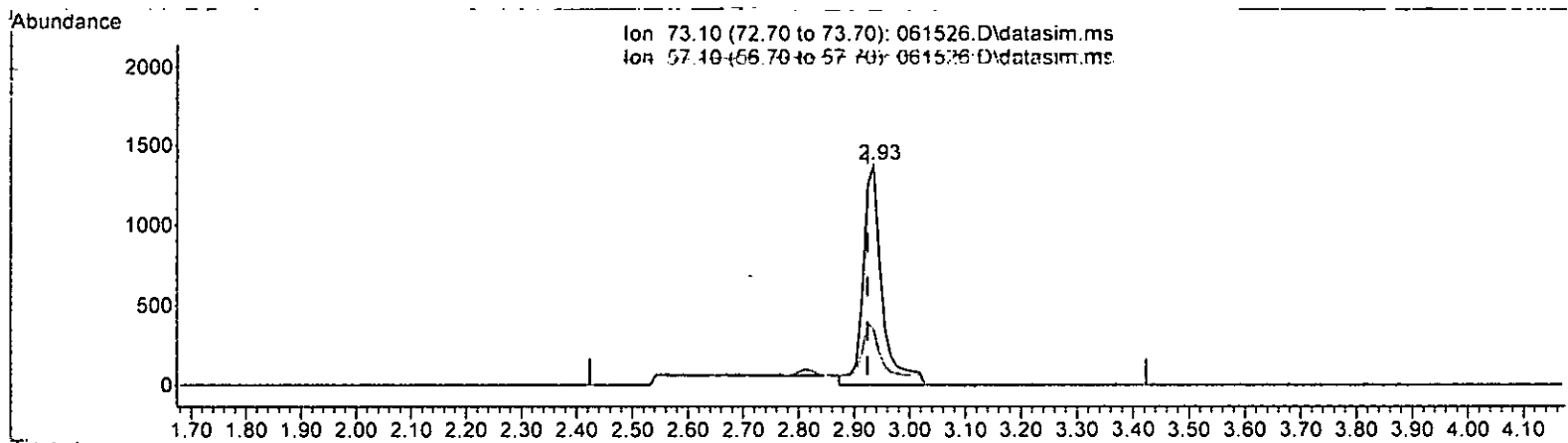
MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 0.585 ppb

response 3235

| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 25.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

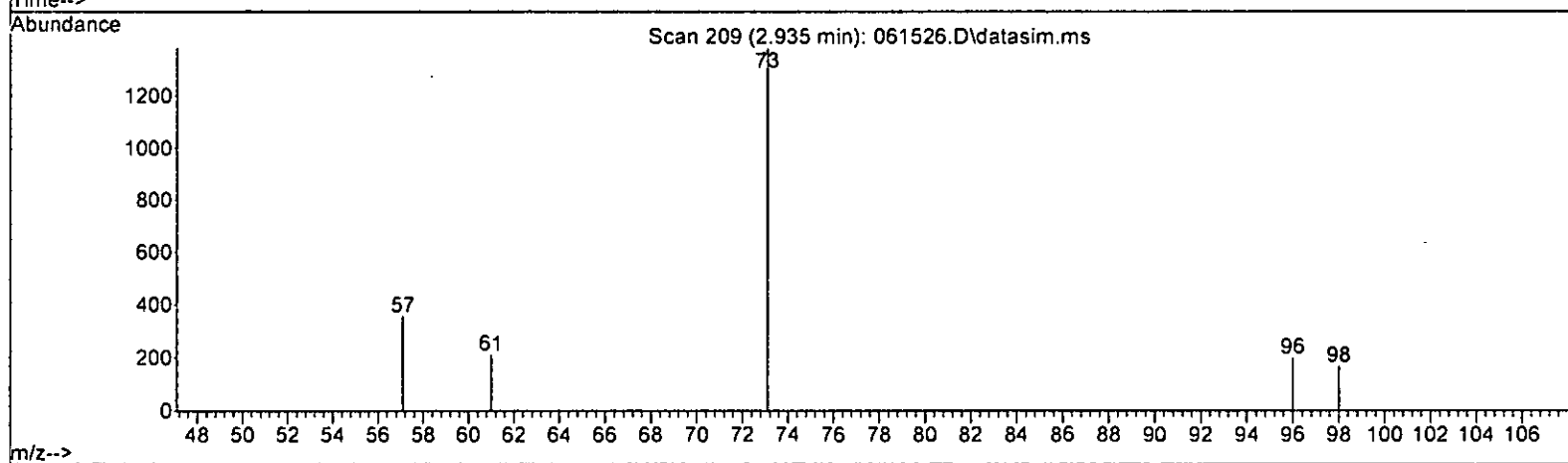
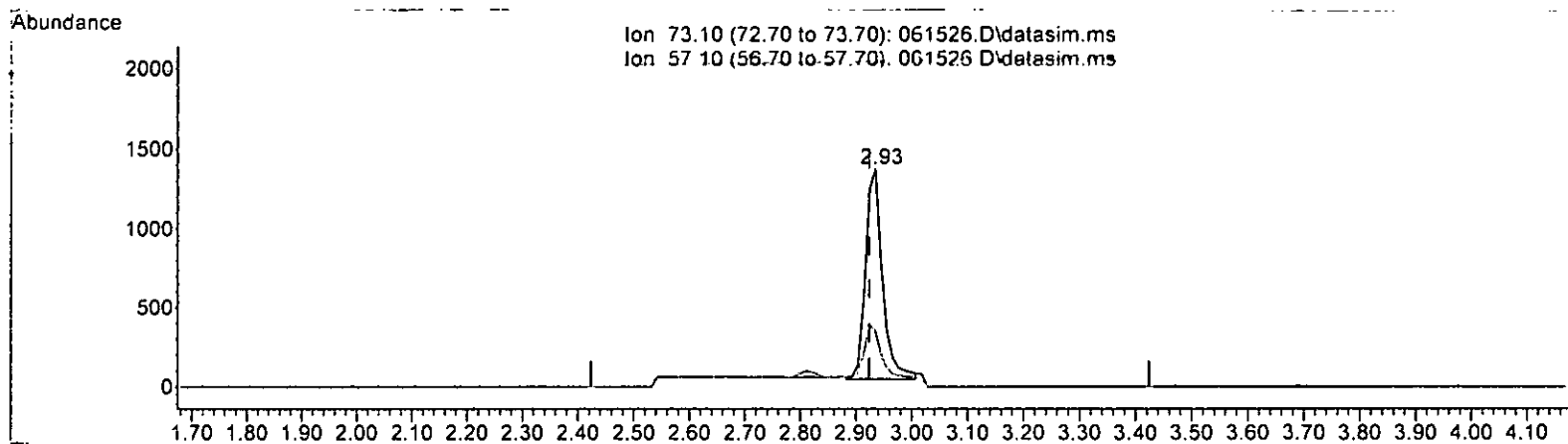
MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
Data File : 061526.D
Acq On : 15 Jun 2023 05:51 pm
Operator : MD
Sample : 0.5 ppb 8260 ICAL 69-113j
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 0.504 ppb m

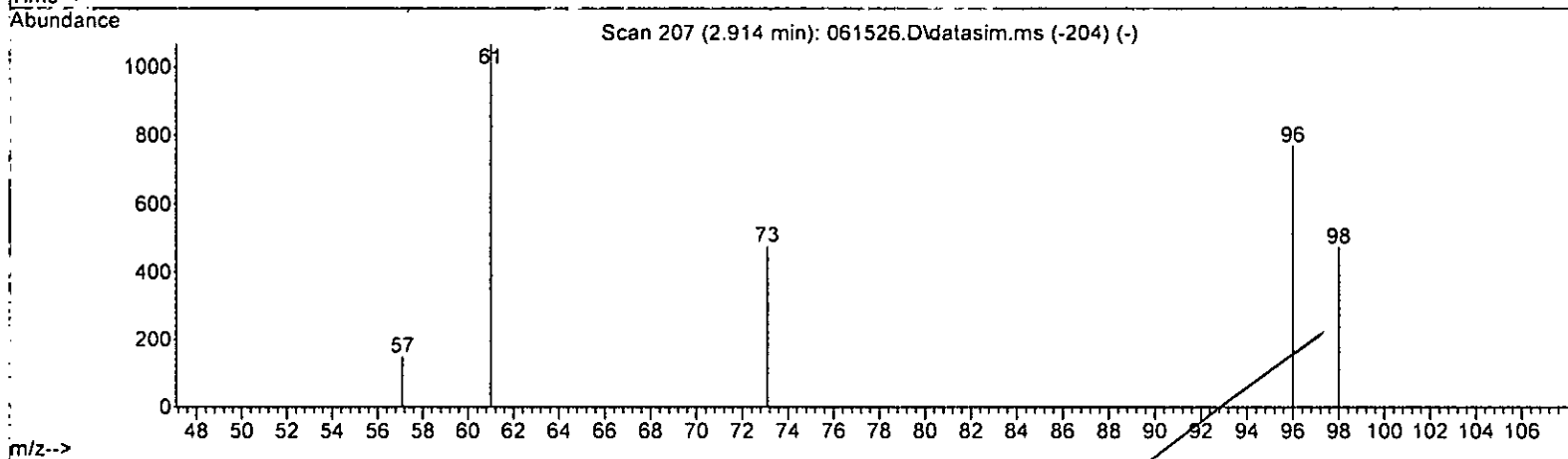
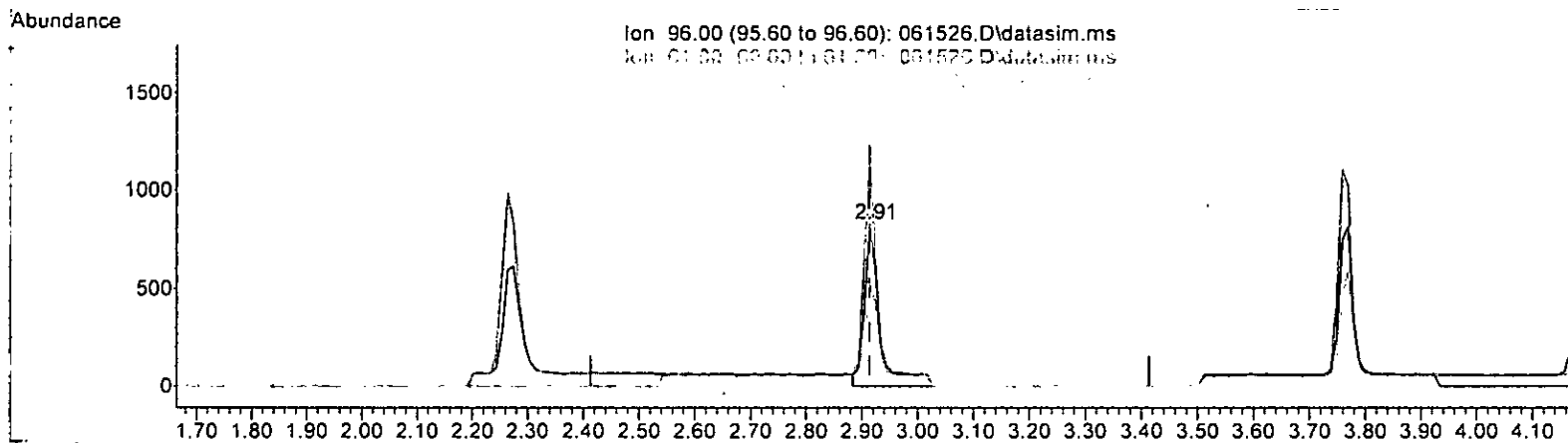
| response | 2790 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 73.10 | 100.00 | 100.00 | |
| 57.10 | 25.90 | 25.67 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-8-Trap-Volatiles-Dual-Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

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

2.914min (+ 0.000) 0.679 ppb

response 1616

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 136.44 |
| 98.00 | 64.30 | 63.80 |
| 0.00 | 0.00 | 0.00 |

mb/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023

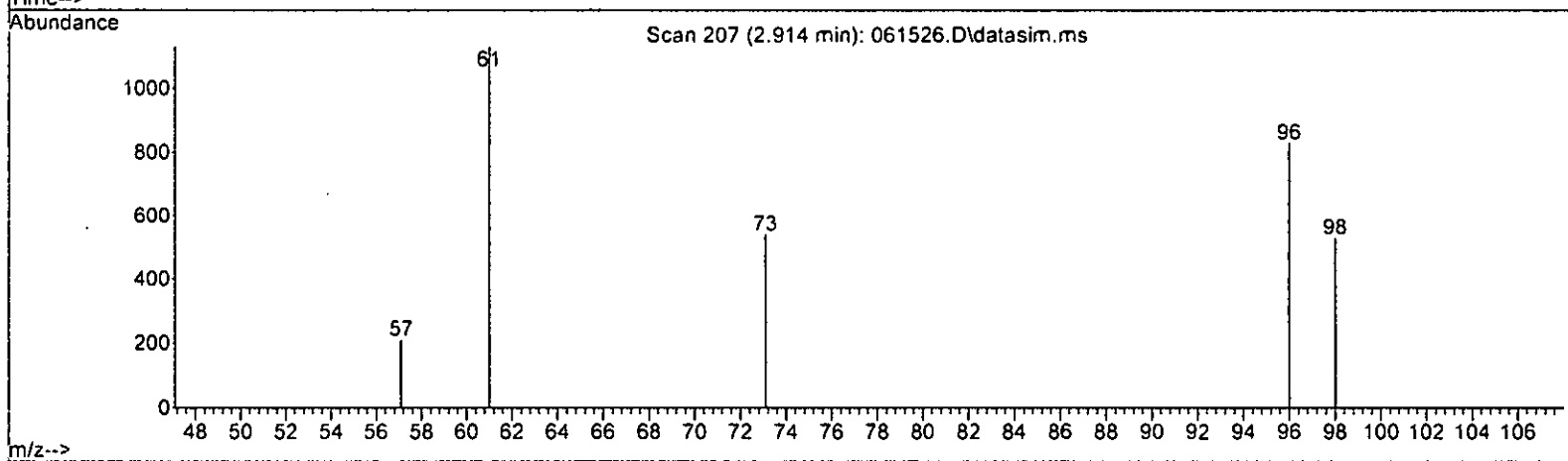
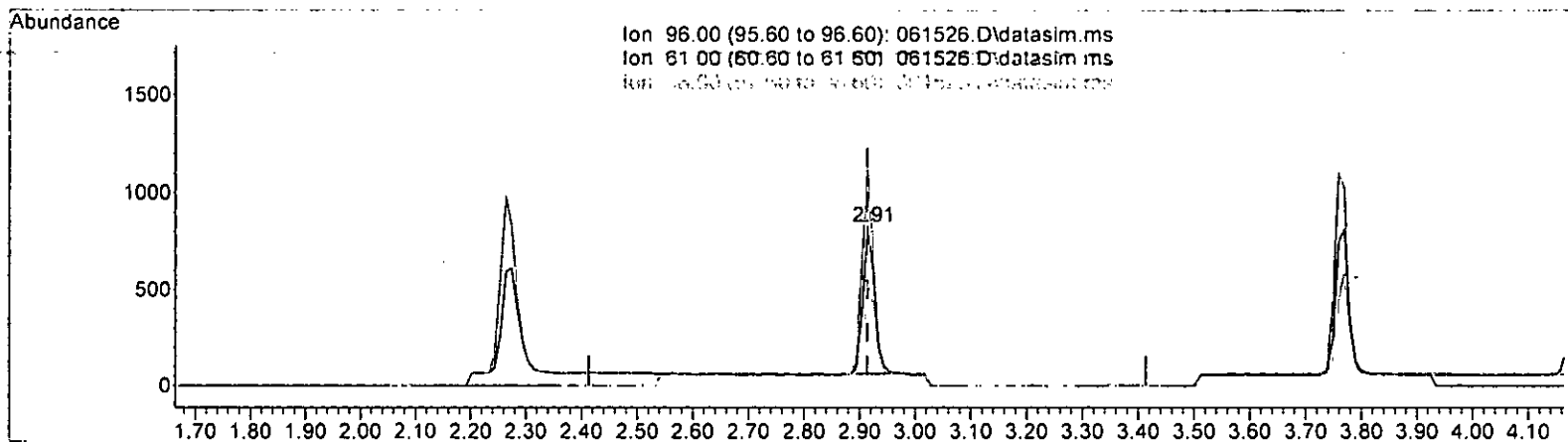
Quant Method : Y:\Methods\Inst13\061523vms13.M

~~Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition~~

~~Quant Update : Fri Jun 16 07:37:11 2023~~

Response via : Initial Calibration

DataAcq Meth:VM040623.M



TIC: 061526.D\data.ms

(17) trans-1,2-Dichloroethene (TMP) *m6/16*

2.914min (+ 0.000) 0.465 ppb m

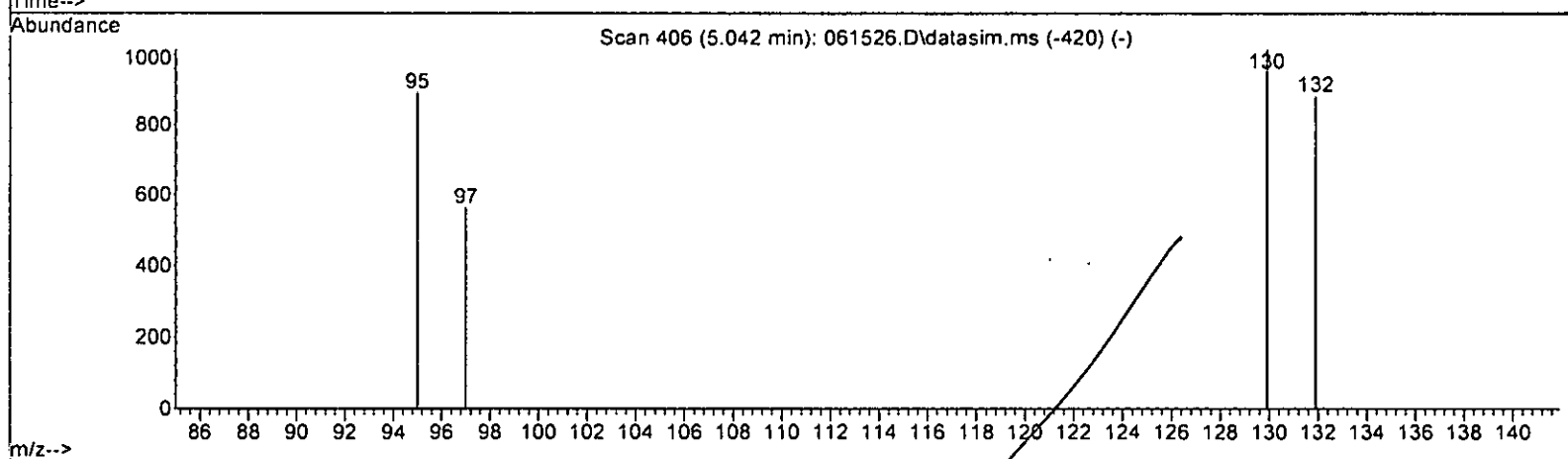
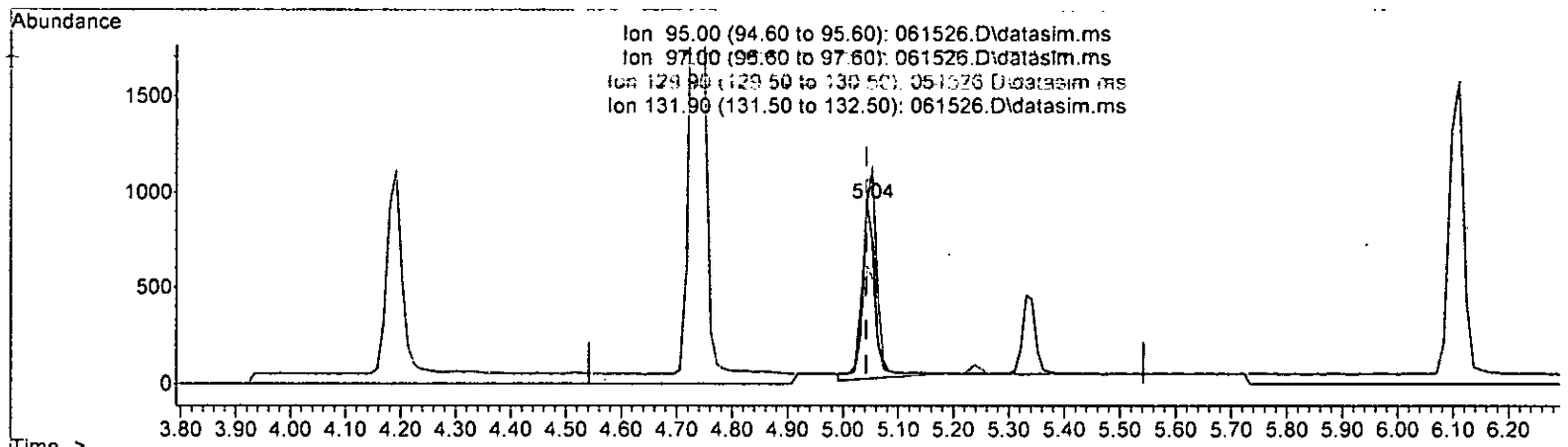
response 1107

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 136.44 |
| 98.00 | 64.30 | 63.80 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_& Trap_Volatiles-Dual-Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(32) Trichloroethene (TMP)
 5.042min (+ 0.000) 0.556 ppb
 response 1587

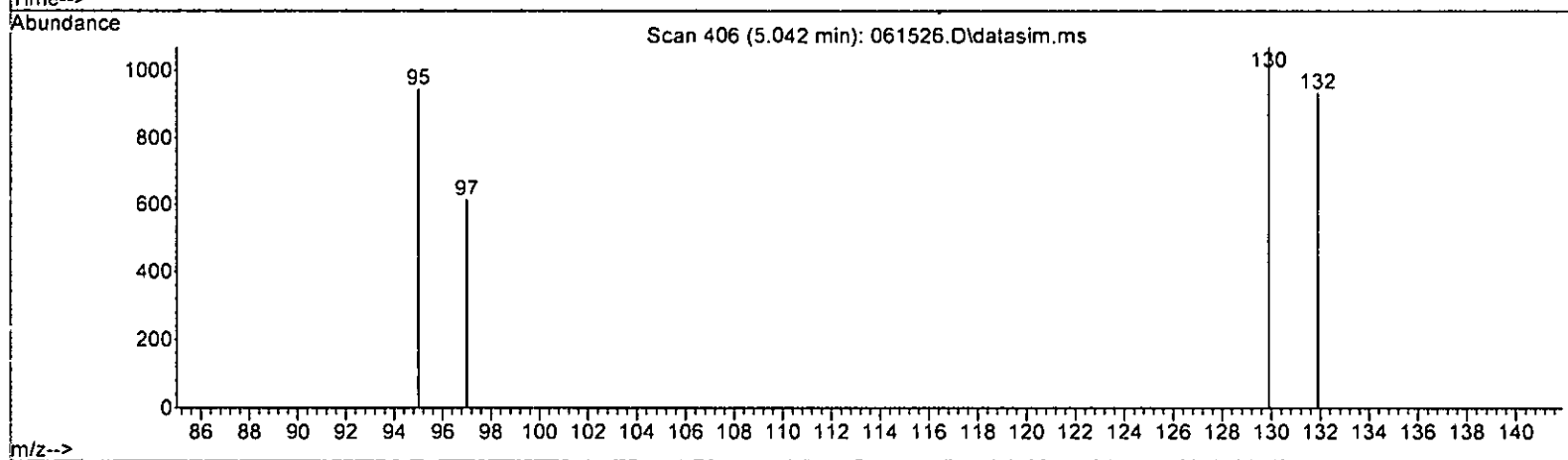
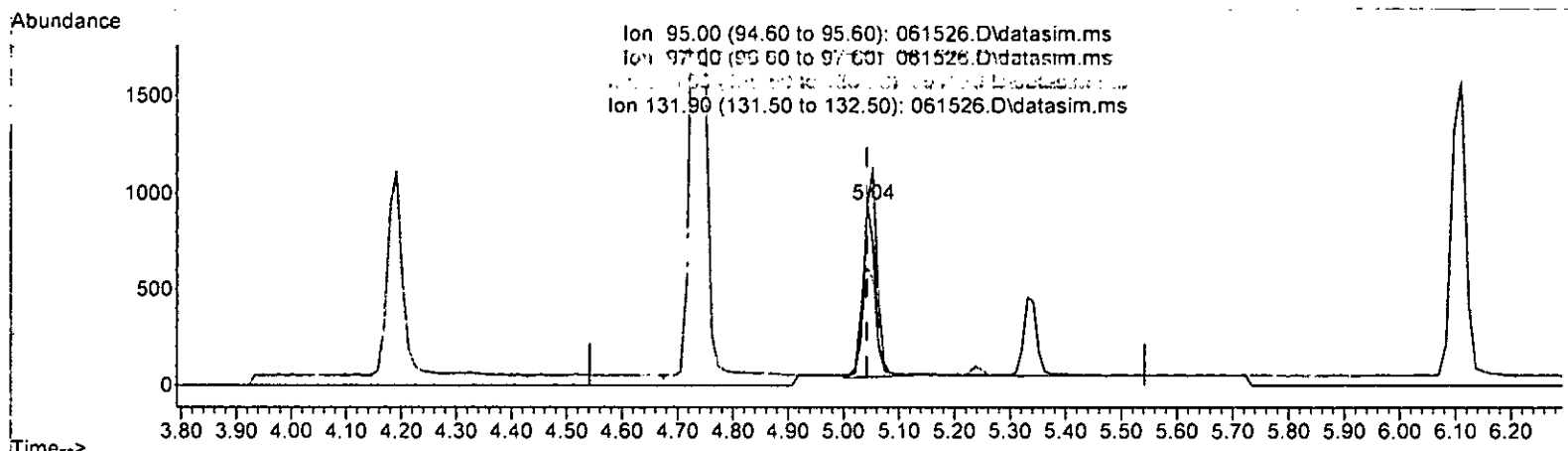
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 63.00 |
| 129.90 | 110.90 | 114.01 |
| 131.90 | 99.40 | 98.99 |

6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) 0.494 ppb m

response 1413

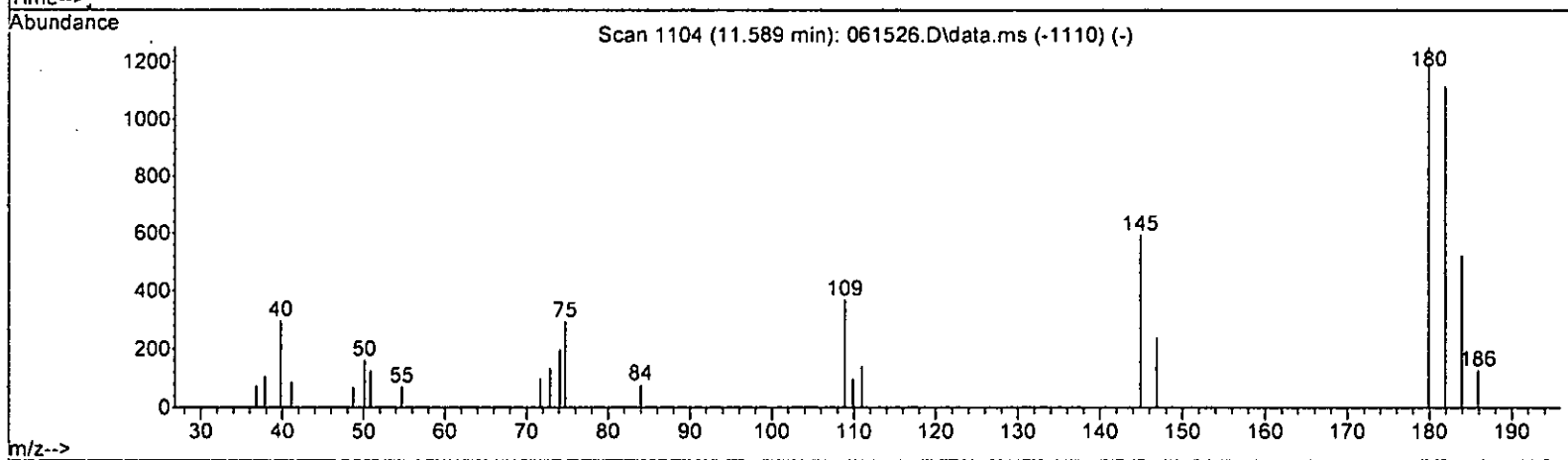
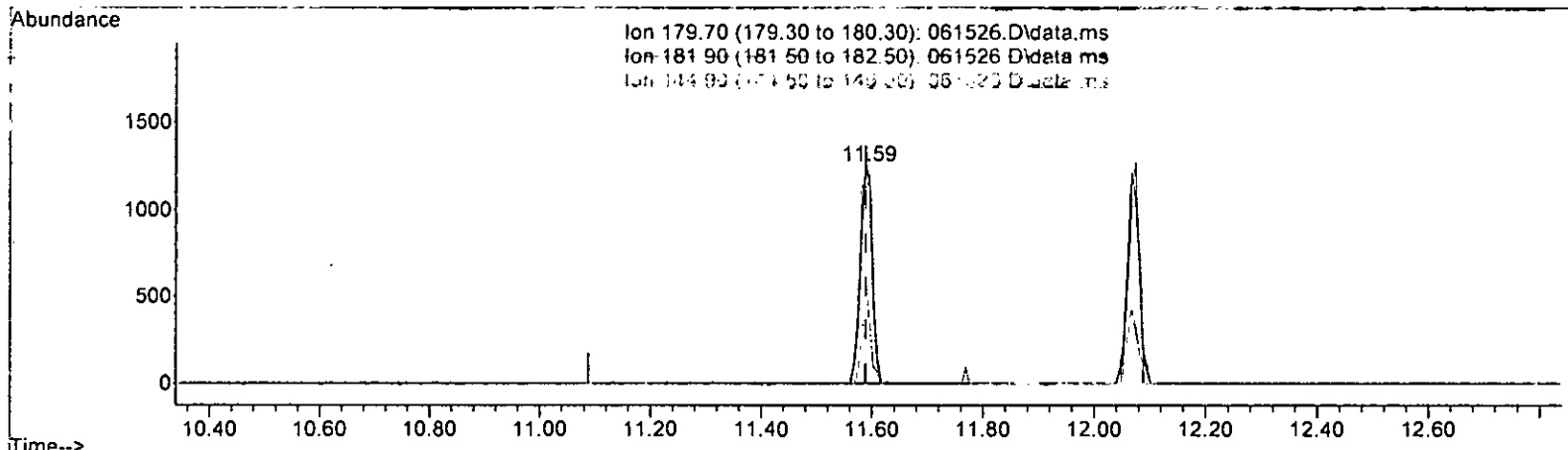
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 65.04 |
| 129.90 | 110.90 | 113.03 |
| 131.90 | 99.40 | 98.83 |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge & Trap_Volatiles_Dual_Acquisition
 QLast_Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061526.D\data.ms

(73) 1,2,4-Trichlorobenzene (TMP)

11.589min (+ 0.000) 0.455 ppb m

response 1854

| Ion | Exp% | Act% |
|--------|--------|--------|
| 179.70 | 100.00 | 100.00 |
| 181.90 | 91.30 | 88.90 |
| 144.90 | 28.10 | 47.36 |
| 0.00 | 0.00 | 0.00 |

accidental deletion m 6/19

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 92009 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 77763 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 41918 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 27433 | 9.872 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5936 | 10.338 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 103.40% | |
| 35) Toluene-d8 | 6.11 | 98 | 87736 | 9.942 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 99.40% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 31160 | 9.813 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 98.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | | | |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 3325 | N.D. | | | |
| 5) Chloromethane | 0.00 | | 0 | N.D. | d | | |
| 6] Vinyl chloride | 1.33 | 62 | 2773m | 0.485 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | d | | |
| 8] Chloroethane | 1.64 | 64 | 1170m | 0.436 | ppb | | |
| 9) Trichlorofluoromethane | 1.83 | 101 | 5796 | 0.504 | ppb | | 75 |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | | | |
| 11) Acetone | 2.33 | 58 | 766 | 2.361 | ppb | # | 39 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 1229m | 0.498 | ppb | | |
| 13) Hexane | 3.16 | 57 | 1574 | 0.498 | ppb | | 86 |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | d | | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 2790m | 0.504 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 1107m | 0.465 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 3832 | 0.501 | ppb | | 82 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 1940 | 0.486 | ppb | | 98 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 1228 | 0.502 | ppb | # | 92 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 1541 | 0.490 | ppb | | 85 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 1246 | 0.484 | ppb | | 83 |
| 23) Chloroform | 4.03 | 83 | 2208 | 0.529 | ppb | | 82 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 4400 | 2.638 | ppb | | 96 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 2590 | 0.484 | ppb | | 87 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 1853 | 0.506 | ppb | | 95 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 2008 | 0.490 | ppb | | 97 |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 1596 | 0.538 | ppb | | 95 |
| 29) Carbon tetrachloride | 4.32 | 117 | 1753 | 0.467 | ppb | | 100 |
| 31] Benzene | 4.50 | 78 | 4135 | 0.490 | ppb | | 91 |
| 32] Trichloroethene | 5.04 | 95 | 1413m | 0.494 | ppb | | |
| 33) 1,2-Dichloropropane | 5.23 | 63 | 1098 | 0.510 | ppb | # | 89 |
| 34) Bromodichloromethane | 5.47 | 83 | 1644 | 0.533 | ppb | | 84 |
| 36) Dibromomethane | 5.34 | 93 | 762 | 0.493 | ppb | | 97 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

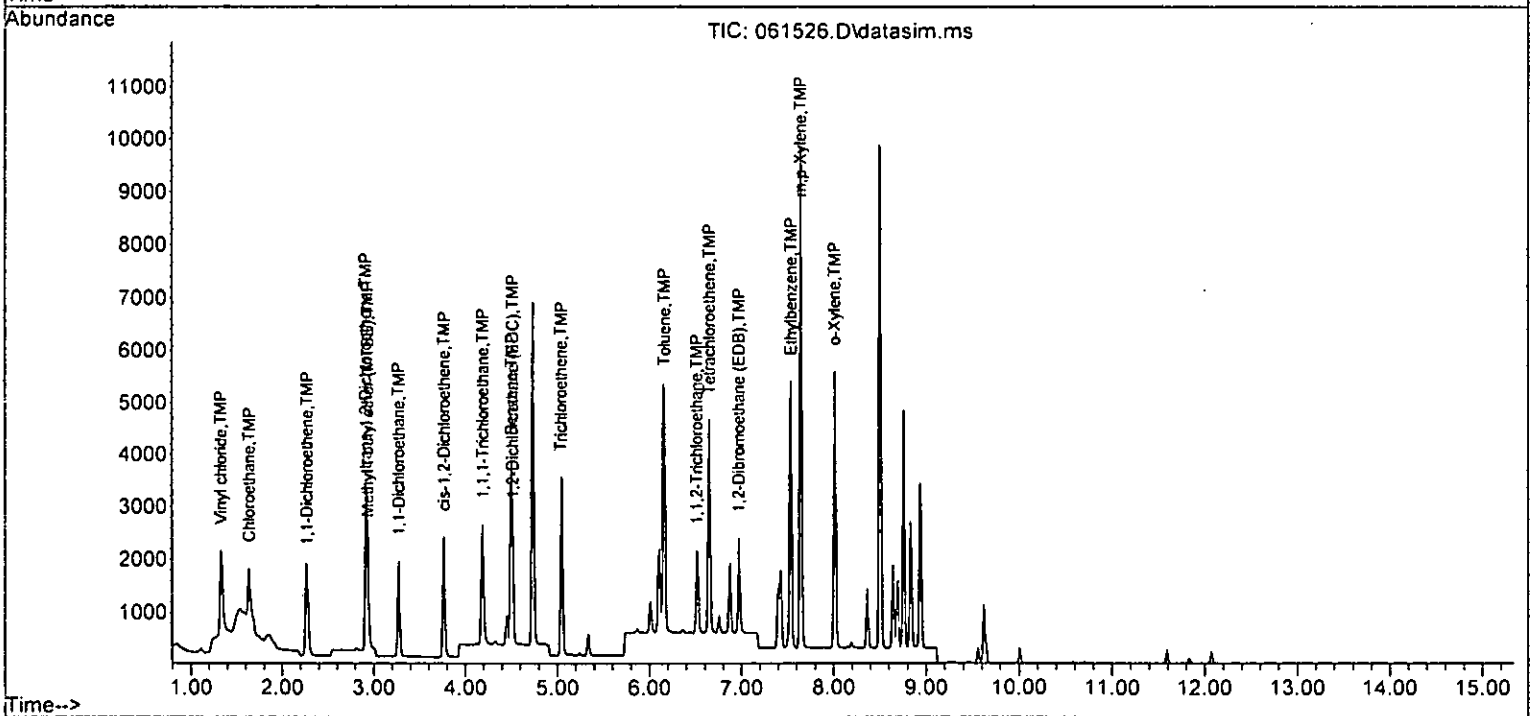
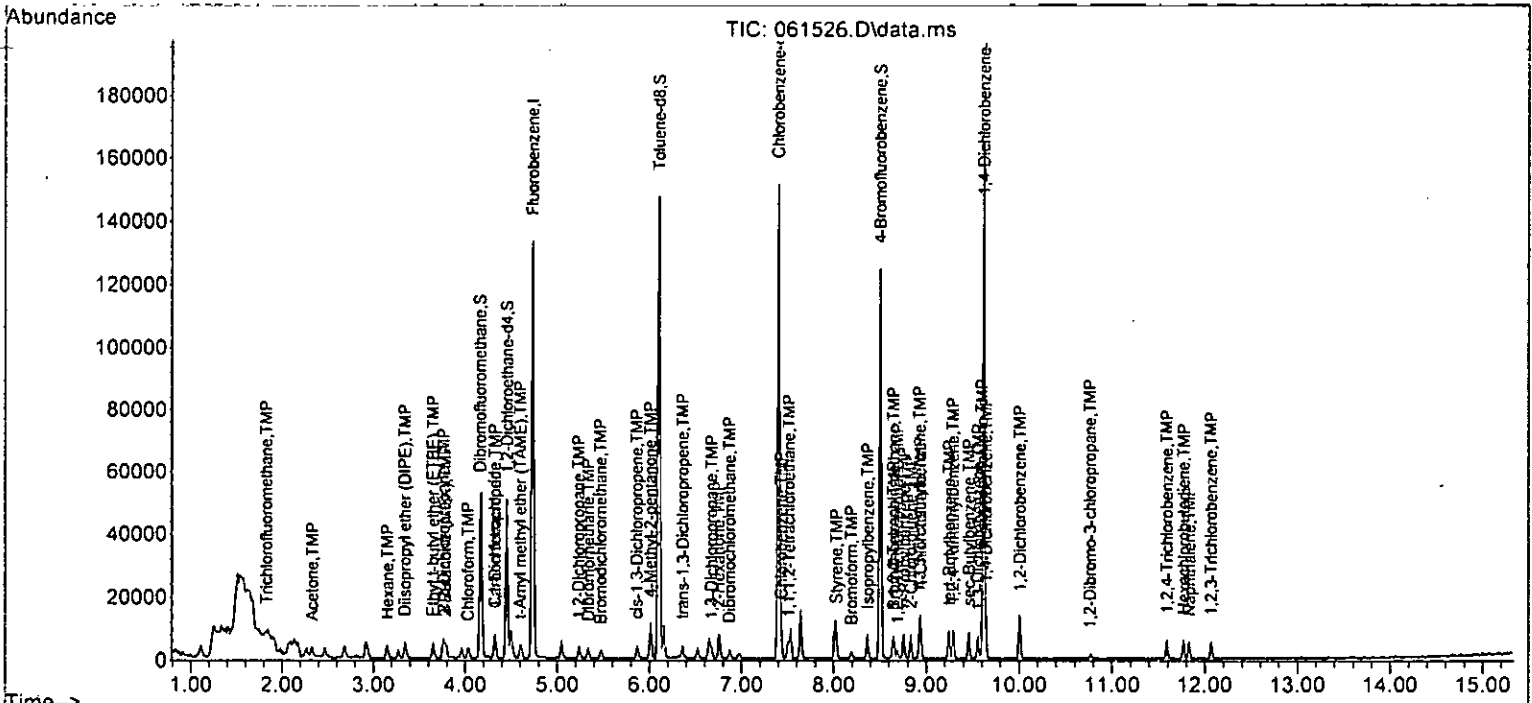
Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 1208 | 2.823 | ppb | # 74 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 1826 | 0.550 | ppb | 86 |
| 40] Toluene | 6.16 | 92 | 3081 | 0.508 | ppb | 92 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 1542 | 0.466 | ppb | 82 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 890 | 0.500 | ppb | 97 |
| 43) 2-Hexanone | 6.75 | 43 | 5827 | 2.555 | ppb | 93 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 1598 | 0.512 | ppb | 83 |
| 45] Tetrachloroethene | 6.65 | 164 | 1479 | 0.500 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 1585 | 0.516 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 1259 | 0.469 | ppb | 100 |
| 48) Chlorobenzene | 7.43 | 112 | 3652 | 0.511 | ppb | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 5369 | 0.476 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.51 | 131 | 1332 | 0.472 | ppb | 85 |
| 51] m,p-Xylene | 7.64 | 106 | 4425 | 0.953 | ppb | 99 |
| 52] o-Xylene | 8.01 | 106 | 2164 | 0.479 | ppb | 99 |
| 53) Styrene | 8.03 | 104 | 3319 | 0.488 | ppb | 81 |
| 54) Isopropylbenzene | 8.37 | 105 | 5209 | 0.501 | ppb | 91 |
| 55) Bromoform | 8.19 | 173 | 1109 | 0.481 | ppb | 90 |
| 58) n-Propylbenzene | 8.76 | 91 | 5965 | 0.515 | ppb | 99 |
| 59) Bromobenzene | 8.65 | 156 | 1567 | 0.457 | ppb | 90 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 4304 | 0.489 | ppb | 96 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 1095 | 0.381 | ppb | 89 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 1062 | 0.544 | ppb | 79 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 3484 | 0.513 | ppb | 97 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 4095 | 0.501 | ppb | 87 |
| 65) tert-Butylbenzene | 9.25 | 119 | 4429 | 0.533 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 4535 | 0.494 | ppb | 90 |
| 67) sec-Butylbenzene | 9.46 | 105 | 5241 | 0.464 | ppb | 98 |
| 68) p-Isopropyltoluene | 9.60 | 119 | 5226 | 0.505 | ppb | 94 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 3065 | 0.512 | ppb | 90 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 2890 | 0.481 | ppb | 98 |
| 71) 1,2-Dichlorobenzene | 10.01 | 146 | 2752 | 0.483 | ppb | 94 |
| 72) 1,2-Dibromo-3-chloropr... | 10.76 | 75 | 227 | 0.443 | ppb | # 56 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 1854m | 0.455 | ppb | |
| 74) Hexachlorobutadiene | 11.77 | 225 | 1190 | 0.498 | ppb | 93 |
| 75) Naphthalene | 11.83 | 128 | 4107 | 0.459 | ppb | 90 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 1761 | 0.454 | ppb | 88 |

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

Data Path : Y:\Proc_GCM513\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response Via : Initial Calibration
 DataAcq Meth: VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 106 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 9.872 | 1.3 | 104 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 0.443 | 95.6# | 4 | 0.01 |
| 5 TMP | Chloromethane | 10.000 | 0.000 | 100.0# | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 10.000 | 0.485 | 95.2# | 5 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 0.000 | 100.0# | 0 | -1.57# |
| 8 TMP | Chloroethane | 10.000 | 0.436 | 95.6# | 4 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 0.504 | 95.0# | 6 | -0.02 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | 50.000 | 2.361 | 95.3# | 5 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 0.498 | 95.0# | 5 | 0.01 |
| 13 TMP | Hexane | 10.000 | 0.498 | 95.0# | 5 | 0.01 |
| 14 TMP | Methylene chloride | 10.000 | 0.000 | 100.0# | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 0.000 | 100.0# | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 0.504 | 95.0# | 5 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 0.465 | 95.3# | 5 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 10.000 | 0.501 | 95.0# | 5 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 0.486 | 95.1# | 5 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 0.502 | 95.0# | 5 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 0.490 | 95.1# | 6 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 0.484 | 95.2# | 5 | 0.01 |
| 23 TMP | Chloroform | 10.000 | 0.529 | 94.7# | 6 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 2.638 | 94.7# | 5 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 0.484 | 95.2# | 5 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 0.506 | 94.9# | 5 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 0.490 | 95.1# | 5 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 0.538 | 94.6# | 6 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 0.467 | 95.3# | 5 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.338 | -3.4 | 111 | 0.00 |
| 31 TMP | Benzene | 10.000 | 0.490 | 95.1# | 5 | 0.01 |
| 32 TMP | Trichloroethene | 10.000 | 0.494 | 95.1# | 5 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 0.510 | 94.9# | 5 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 0.533 | 94.7# | 6 | -0.01 |
| 35 S | Toluene-d8 | 10.000 | 9.942 | 0.6 | 105 | 0.00 |
| 36 TMP | Dibromomethane | 10.000 | 0.493 | 95.1# | 5 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 2.823 | 94.4# | 6 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 0.550 | 94.5# | 6 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 107 | 0.00 |
| 40 TMP | Toluene | 10.000 | 0.508 | 94.9# | 6 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 0.466 | 95.3# | 5 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 0.500 | 95.0# | 5 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 2.555 | 94.9# | 5 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCM513

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 0.512 | 94.9# | 5 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 0.500 | 95.0# | 5 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 0.516 | 94.8# | 5 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 0.469 | 95.3# | 5 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 0.511 | 94.9# | 6 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 0.476 | 95.2# | 5 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 0.472 | 95.3# | 5 | 0.01 |
| 51 TMP m,p-Xylene | 20.000 | 0.953 | 95.2# | 5 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 0.479 | 95.2# | 5 | 0.00 |
| 53 TMP Styrene | 10.000 | 0.488 | 95.1# | 5 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 0.501 | 95.0# | 5 | 0.00 |
| 55 TMP Bromoform | 10.000 | 0.481 | 95.2# | 5 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 103 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.813 | 1.9 | 101 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 0.515 | 94.8# | 5 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 0.457 | 95.4# | 5 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 0.489 | 95.1# | 5 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 0.381 | 96.2# | 5 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 0.544 | 94.6# | 6 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 0.513 | 94.9# | 5 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 0.501 | 95.0# | 5 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 0.533 | 94.7# | 5 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 0.494 | 95.1# | 5 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 0.464 | 95.4# | 5 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 0.505 | 94.9# | 5 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 0.512 | 94.9# | 5 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 0.481 | 95.2# | 5 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 0.483 | 95.2# | 5 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 0.443 | 95.6# | 4 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 0.455 | 95.5# | 5 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 0.498 | 95.0# | 5 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 0.459 | 95.4# | 5 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 0.454 | 95.5# | 5 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 3 S | Dibromofluoromethane | 10.000 | 9.872 | 1.3 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.500 | 0.443 | 11.4 | 100 | 0.01 |
| 5 TMP | Chloromethane | -1.000 | 0.000 | 0.0 | 0 | -1.25# |
| 6 TMP | Vinyl chloride | 0.500 | 0.485 | 3.0 | 105 | 0.00 |
| 7 TMP | Bromomethane | -1.000 | 0.000 | 0.0 | 0 | -1.57# |
| 8 TMP | Chloroethane | 0.500 | 0.436 | 12.8 | 96 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 0.500 | 0.504 | -0.8 | 100 | -0.02 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 0 | -2.32# |
| 11 TMP | Acetone | 2.500 | 2.361 | 5.6 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 0.500 | 0.498 | 0.4 | 102 | 0.01 |
| 13 TMP | Hexane | 0.500 | 0.498 | 0.4 | 100 | 0.01 |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | -1.000 | 0.000 | 0.0 | 0 | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.500 | 0.504 | -0.8 | 105 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.500 | 0.465 | 7.0 | 97 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.500 | 0.501 | -0.2 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.500 | 0.486 | 2.8 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.500 | 0.502 | -0.4 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.500 | 0.490 | 2.0 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.500 | 0.484 | 3.2 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.500 | 0.529 | -5.8 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 2.500 | 2.638 | -5.5 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.500 | 0.484 | 3.2 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.500 | 0.506 | -1.2 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.500 | 0.490 | 2.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.500 | 0.538 | -7.6 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.500 | 0.467 | 6.6 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.338 | -3.4 | 100 | 0.00 |
| 31 TMP | Benzene | 0.500 | 0.490 | 2.0 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.500 | 0.494 | 1.2 | 101 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.500 | 0.510 | -2.0 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.500 | 0.533 | -6.6 | 100 | -0.01 |
| 35 S | Toluene-d8 | 10.000 | 9.942 | 0.6 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.500 | 0.493 | 1.4 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 2.500 | 2.823 | -12.9 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.500 | 0.550 | -10.0 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.500 | 0.508 | -1.6 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.500 | 0.466 | 6.8 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.500 | 0.500 | 0.0 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 2.500 | 2.555 | -2.2 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.500 | 0.512 | -2.4 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.500 | 0.500 | 0.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.500 | 0.516 | -3.2 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.500 | 0.469 | 6.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.500 | 0.511 | -2.2 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 0.500 | 0.476 | 4.8 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.500 | 0.472 | 5.6 | 100 | 0.01 |
| 51 TMP m,p-Xylene | 1.000 | 0.953 | 4.7 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.500 | 0.479 | 4.2 | 100 | 0.00 |
| 53 TMP Styrene | 0.500 | 0.488 | 2.4 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 0.500 | 0.501 | -0.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.500 | 0.481 | 3.8 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.813 | 1.9 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 0.500 | 0.515 | -3.0 | 99 | 0.00 |
| 59 TMP Bromobenzene | 0.500 | 0.457 | 8.6 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 0.500 | 0.489 | 2.2 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.500 | 0.381 | 23.8# | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.500 | 0.544 | -8.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 0.500 | 0.513 | -2.6 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 0.500 | 0.501 | -0.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 0.500 | 0.533 | -6.6 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 0.500 | 0.494 | 1.2 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 0.500 | 0.464 | 7.2 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 0.500 | 0.505 | -1.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 0.500 | 0.512 | -2.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 0.500 | 0.481 | 3.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 0.500 | 0.483 | 3.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.500 | 0.443 | 11.4 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.500 | 0.455 | 9.0 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.500 | 0.498 | 0.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 0.500 | 0.459 | 8.2 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.500 | 0.454 | 9.2 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 0# | -2.32# |
| 3 S | Dibromofluoromethane | 0.302 | 0.298 | 1.3 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.723 | 11.3 | 100 | 0.01 |
| 5 TMP | Chloromethane | 0.756 | 0.000# | 100.0# | 0# | -1.25# |
| 6 TMP | Vinyl chloride | 0.628 | 0.603 | 4.0 | 105 | 0.00 |
| 7 TMP | Bromomethane | 0.442 | 0.000# | 100.0# | 0# | -1.57# |
| 8 TMP | Chloroethane | 0.292 | 0.254 | 13.0 | 96 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.260 | -0.8 | 100 | -0.02 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 0# | -2.32# |
| 11 TMP | Acetone | 0.035 | 0.033 | 5.7 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.267 | 5.3 | 102 | 0.01 |
| 13 TMP | Hexane | 0.343 | 0.342 | 0.3 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.000# | 100.0# | 0# | -2.81# |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.606 | -0.8 | 105 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.241 | 6.9 | 97 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.833 | -0.1 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.422 | 2.8 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.267 | -0.4 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.335 | -11.3 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.271 | 3.2 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.480 | -5.7 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.191 | -5.5 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.563 | 3.3 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.403 | 8.8 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.436 | 2.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.347 | -7.8 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.381 | 6.6 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.065 | -4.8 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.899 | 2.1 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.307 | 3.8 | 101 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.239 | -2.1 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.357 | -6.6 | 100 | -0.01 |
| 35 S | Toluene-d8 | 0.959 | 0.954 | 0.5 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.166 | 1.2 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.053 | -12.8 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.397 | -10.0 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.792 | 4.7 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.397 | 6.6 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.229 | 0.0 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.300 | -2.4 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061526.D
 Acq On : 15 Jun 2023 05:51 pm
 Operator : MD
 Sample : 0.5 ppb 8260 ICAL 69-113j
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:12 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition~~
~~Qlast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.411 | -2.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.380 | 4.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.408 | -3.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.324 | 10.5 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.939 | -2.2 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.381 | 4.9 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.343 | 5.5 | 100 | 0.01 |
| 51 TMP m,p-Xylene | 0.597 | 0.569 | 4.7 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.557 | 4.0 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.854 | 2.3 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.340 | -0.2 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.285 | 3.7 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.743 | 2.0 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.846 | -3.0 | 99 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.748 | 8.6 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.054 | 2.1 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.522 | 12.9 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.507 | -8.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.662 | -2.5 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.954 | -0.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.113 | -6.6 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.164 | 1.1 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.501 | 7.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.493 | -1.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.462 | -2.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.379 | 3.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.313 | 3.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.108 | 11.5 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.885 | 9.0 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.568 | 0.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 1.960 | 8.2 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.840 | 9.3 | 100 | 0.00 |

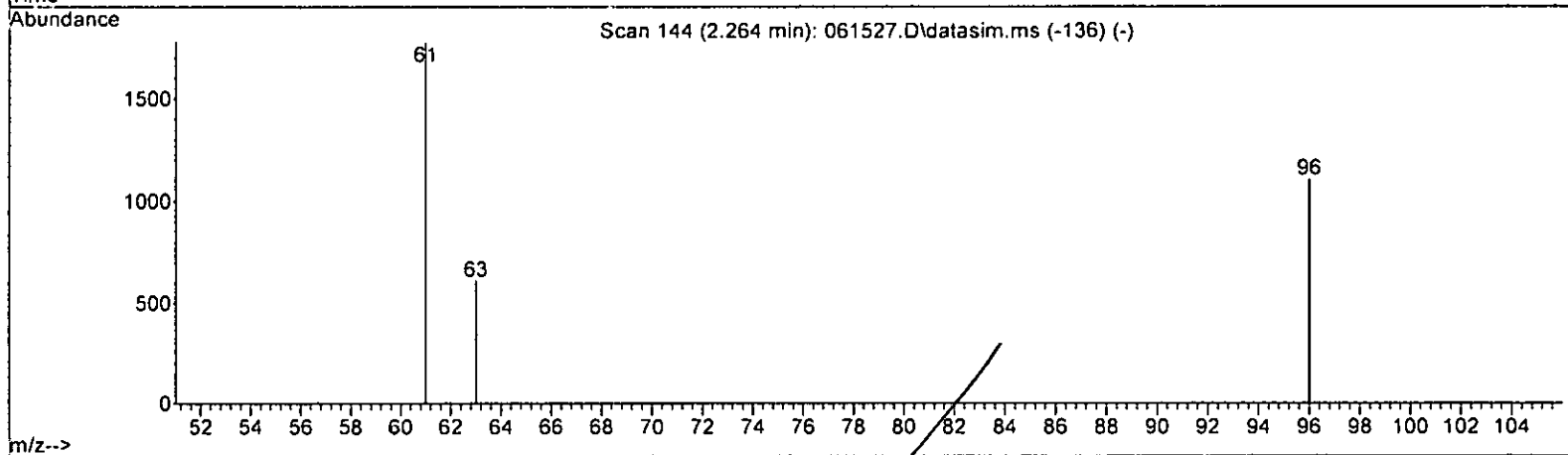
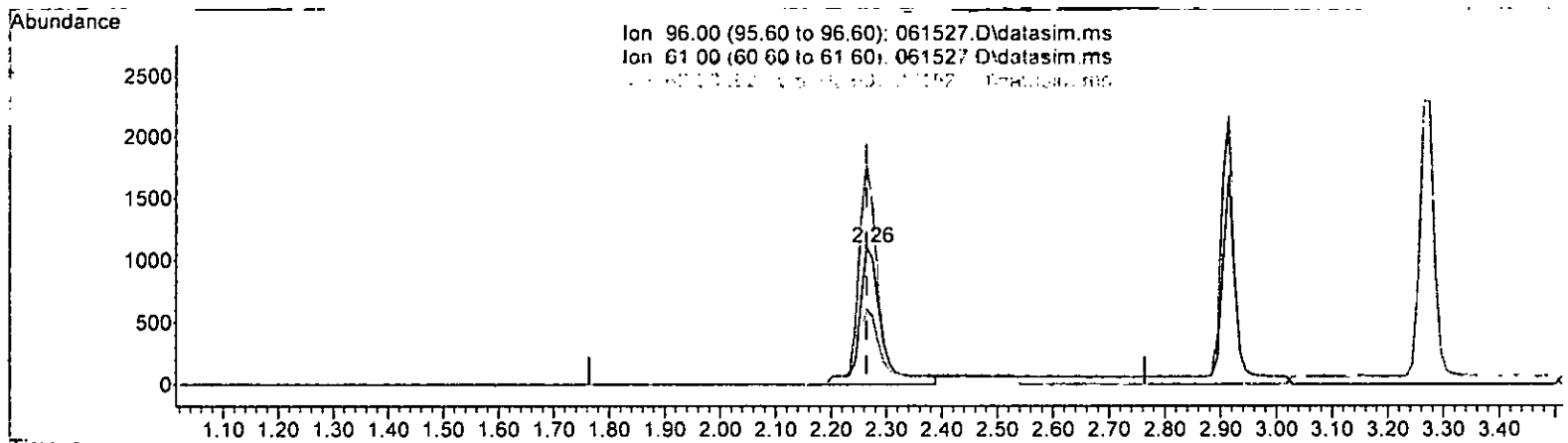
(#) = Out of Range

SPCC's out = 5 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq Dn : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061527.D\data.ms

(12). 1,1-Dichloroethene (TMP)

2.264min (+ 0.000) 1.080 ppb

response 3066

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 161.11 |
| 63.00 | 49.80 | 55.21 |
| 0.00 | 0.00 | 0.00 |

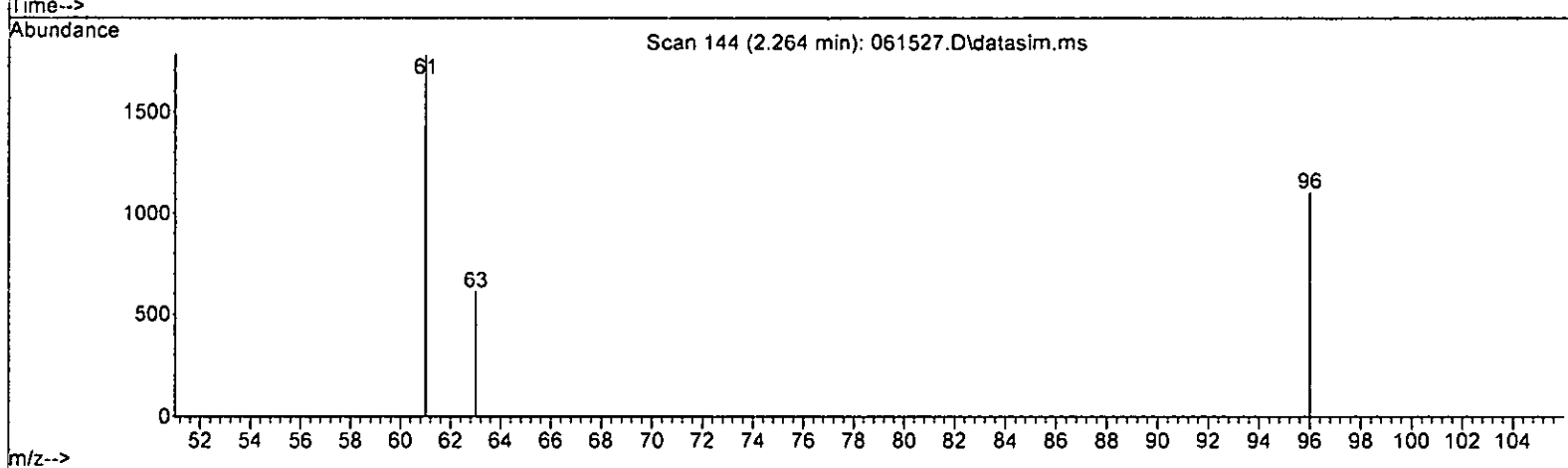
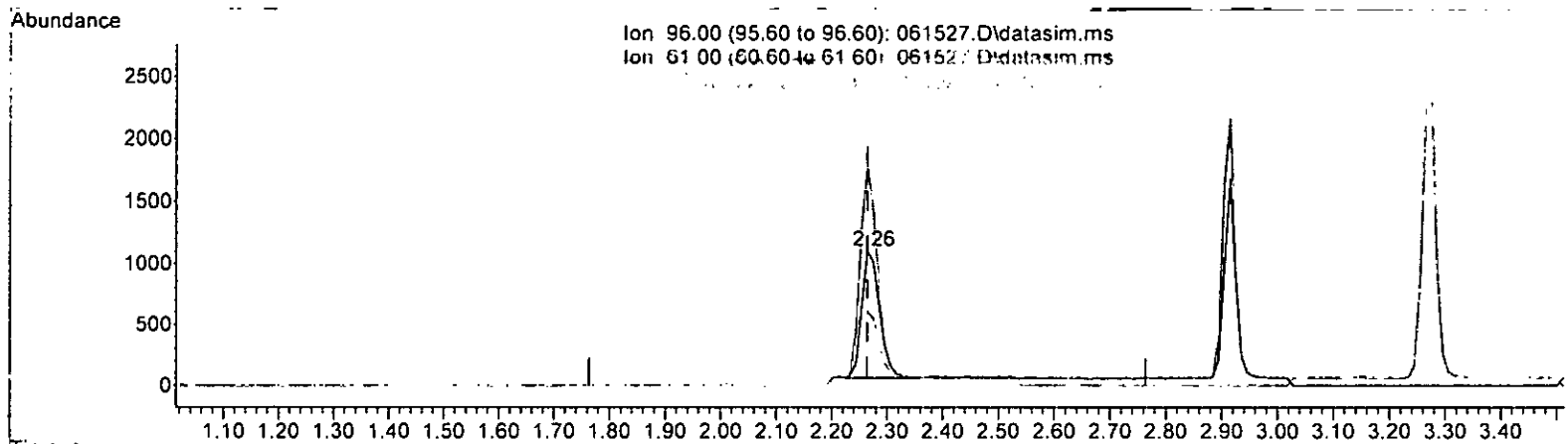
MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061527.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.264min (+ 0.000) 0.816 ppb m

response 2324

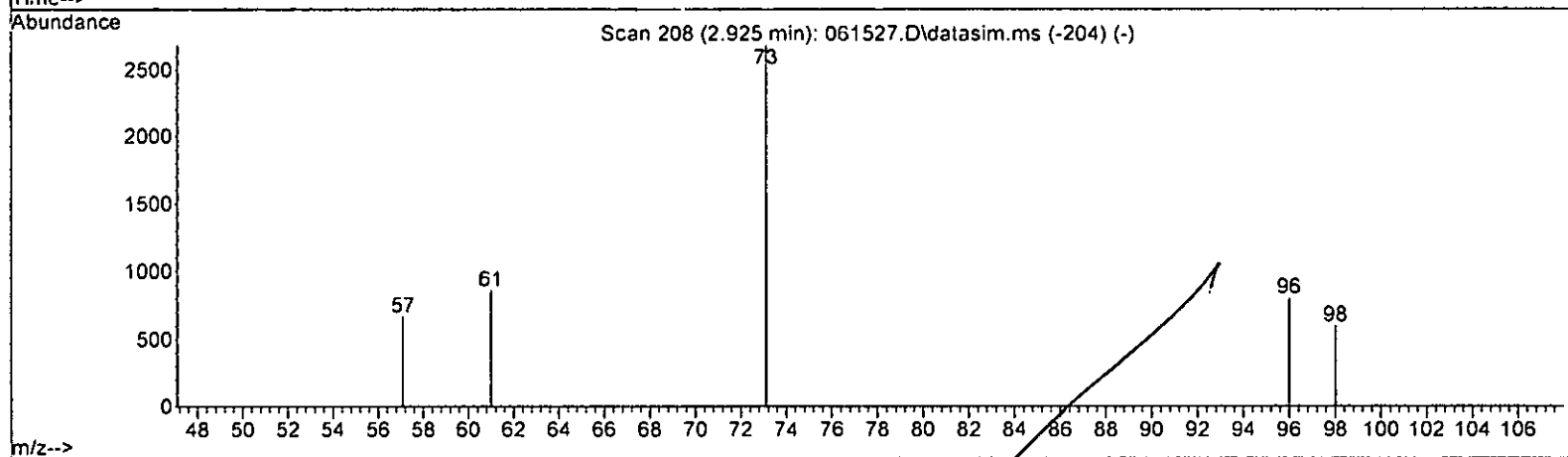
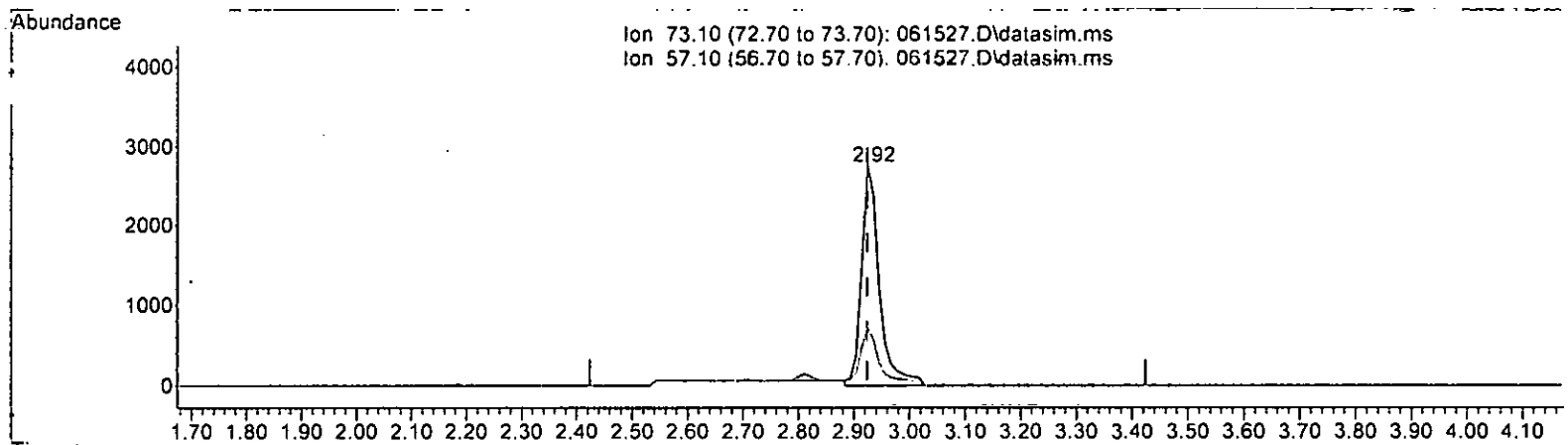
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 161.11 |
| 63.00 | 49.80 | 55.21 |
| 0.00 | 0.00 | 0.00 |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061527.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.925min (+ 0.001) 0.930 ppb

response 5990

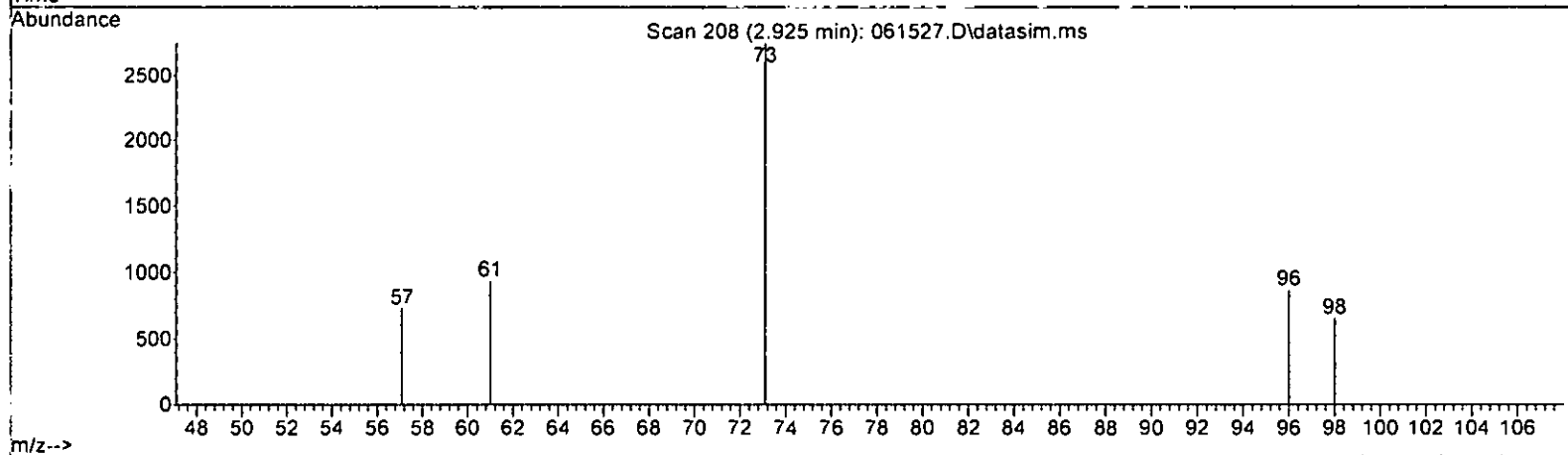
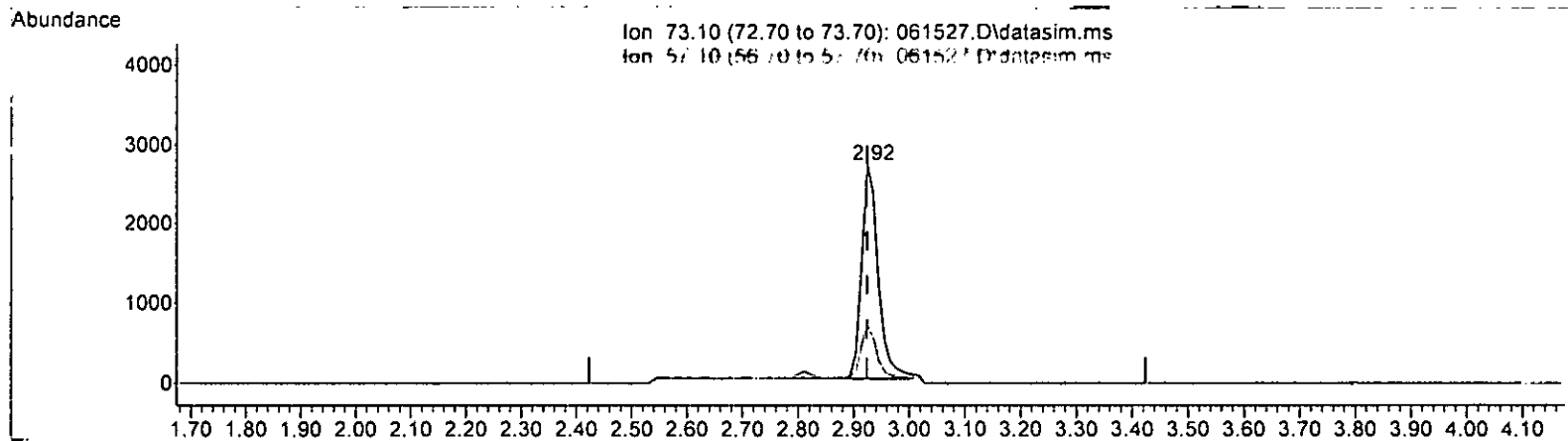
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 26.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature and date: 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061527.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.925min (+ 0.001) 0.857 ppb m

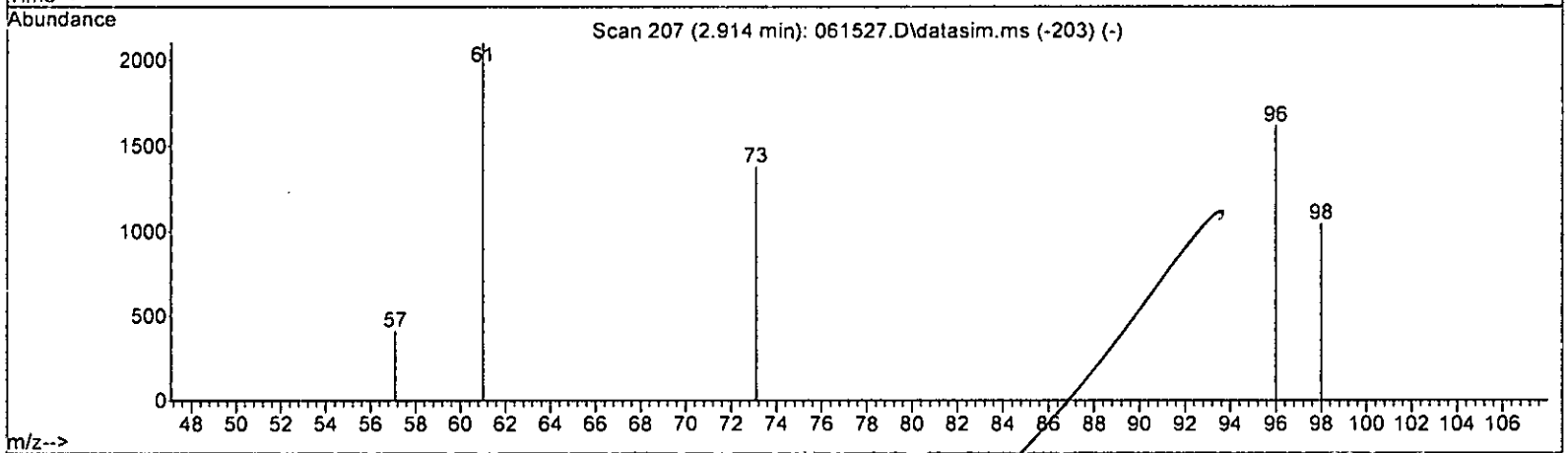
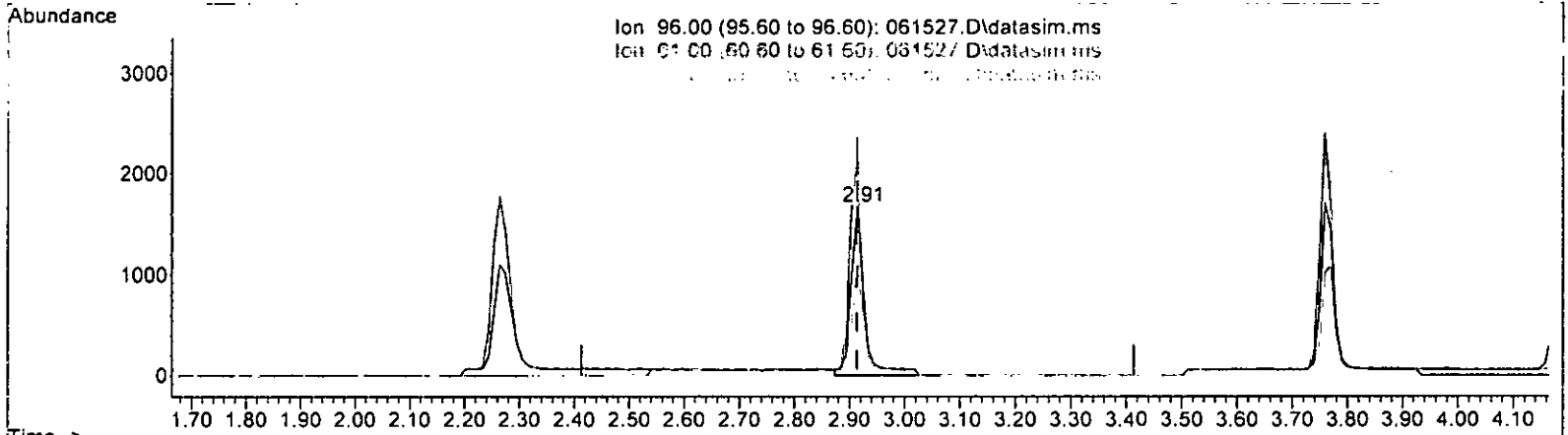
| response | 5516 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 26.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061527.D\data.ms

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

2.914min (+ 0.001) 1.034 ppb

response 2865

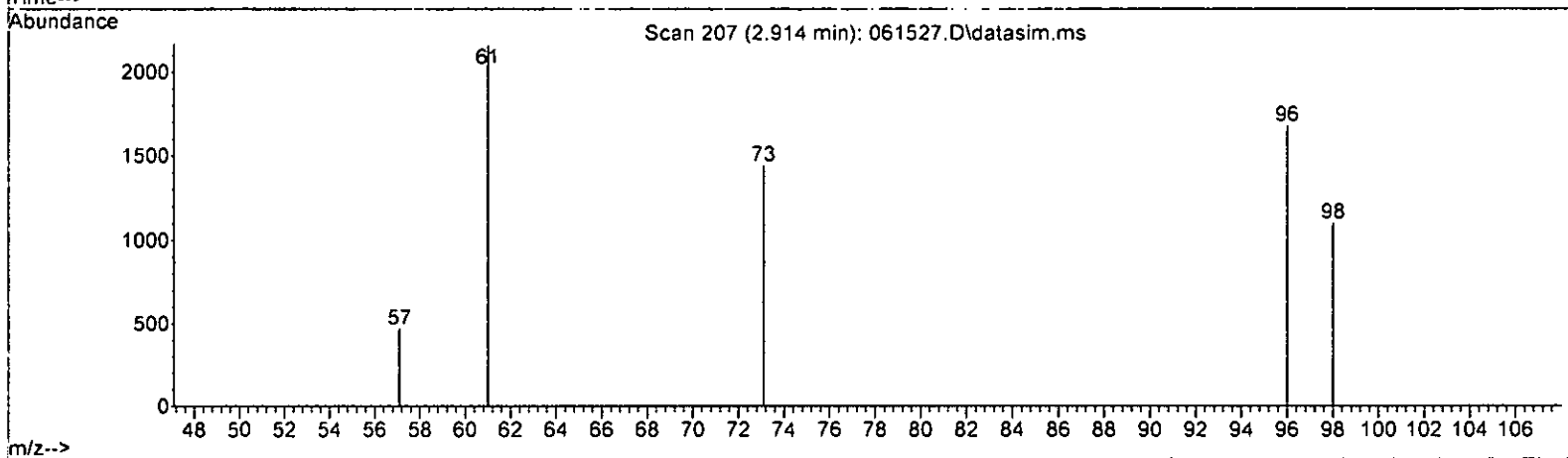
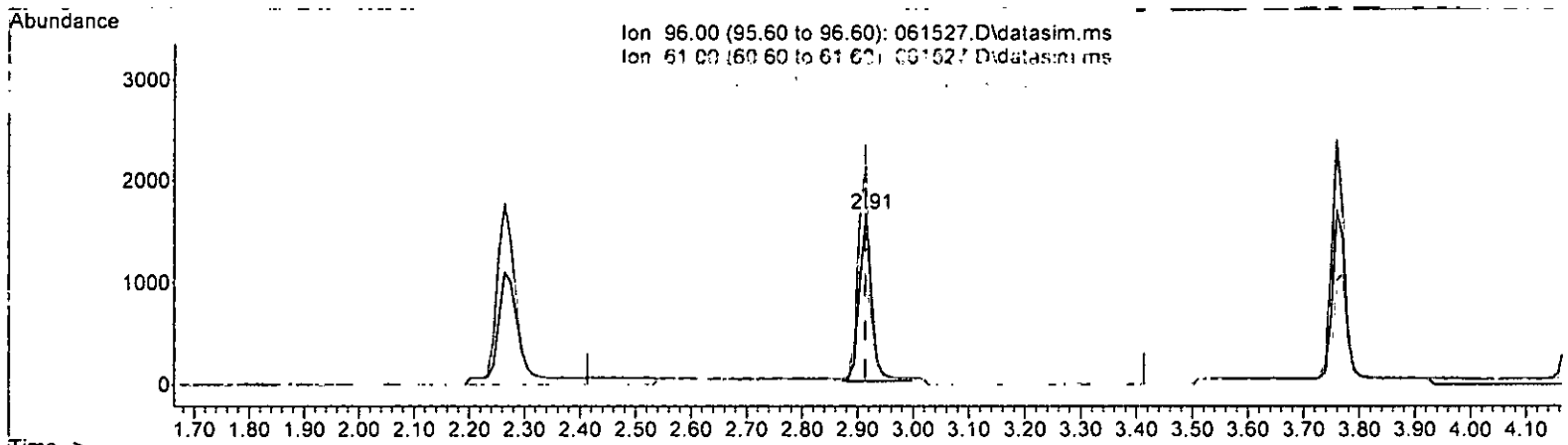
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 129.15 |
| 98.00 | 64.30 | 65.65 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature and date: 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCM513\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCM513

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061527.D\data.ms

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

2.914min (+ 0.001) 0.916 ppb m

response 2536

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 129.15 |
| 98.00 | 64.30 | 65.65 |
| 0.00 | 0.00 | 0.00 |

m6/14

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast-Update-: Fri-Jun-16-07:37:11-2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 107107 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 79366 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 42045 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 29811 | 9.216 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 92.20% | |
| 30) 1,2-Dichloroethane-d4 | 4.46 | 102 | 5678 | 8.494 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 84.90% | |
| 35) Toluene-d8 | 6.11 | 98 | 88382 | 8.603 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 86.00% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 32627 | 10.243 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 102.40% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.37 | 45 | 107 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 7314 | 0.838 | ppb | | 86 |
| 5) Chloromethane | 1.25 | 50 | 8418 | 1.039 | ppb | | 95 |
| 6] Vinyl chloride | 1.33 | 62 | 6119 | 0.921 | ppb | | 99 |
| 7) Bromomethane | 1.58 | 94 | 4413 | 0.932 | ppb | | 89 |
| 8] Chloroethane | 1.64 | 64 | 3257 | 1.042 | ppb | | 89 |
| 9) Trichlorofluoromethane | 1.85 | 101 | 10735 | 0.802 | ppb | | 98 |
| 10) 2-Propanol | 2.37 | 45 | 107 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 1740 | 4.607 | ppb | # | 75 |
| 12] 1,1-Dichloroethene | 2.26 | 96 | 2324m | 0.816 | ppb | | |
| 13) Hexane | 3.15 | 57 | 3596 | 0.978 | ppb | | 98 |
| 14) Methylene chloride | 0.00 | | 0 | N.D. | d | | |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 1546 | 4.475 | ppb | | 90 |
| 16] Methyl t-butyl ether (...) | 2.92 | 73 | 5516m | 0.857 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 2536m | 0.916 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 8209 | 0.922 | ppb | | 98 |
| 19] 1,1-Dichloroethane | 3.26 | 63 | 4033 | 0.868 | ppb | | 92 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 2702 | 0.949 | ppb | | 92 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 2918 | 0.874 | ppb | | 78 |
| 22] cis-1,2-Dichloroethene | 3.76 | 96 | 2626 | 0.877 | ppb | | 96 |
| 23) Chloroform | 4.03 | 83 | 4331 | 0.891 | ppb | | 99 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 8491 | 4.373 | ppb | | 97 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 5745 | 0.921 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 3814 | 0.914 | ppb | | 98 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 4126 | 0.865 | ppb | | 98 |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 2951 | 0.854 | ppb | | 93 |
| 29) Carbon tetrachloride | 4.32 | 117 | 3811 | 0.873 | ppb | | 98 |
| 31] Benzene | 4.49 | 78 | 8522 | 0.867 | ppb | | 99 |
| 32] Trichloroethene | 5.04 | 95 | 3081 | 0.930 | ppb | | 95 |
| 33) 1,2-Dichloropropane | 5.23 | 63 | 2720 | 1.085 | ppb | # | 89 |
| 34) Bromodichloromethane | 5.47 | 83 | 3153 | 0.879 | ppb | | 95 |
| 36) Dibromomethane | 5.34 | 93 | 1734 | 0.964 | ppb | | 94 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

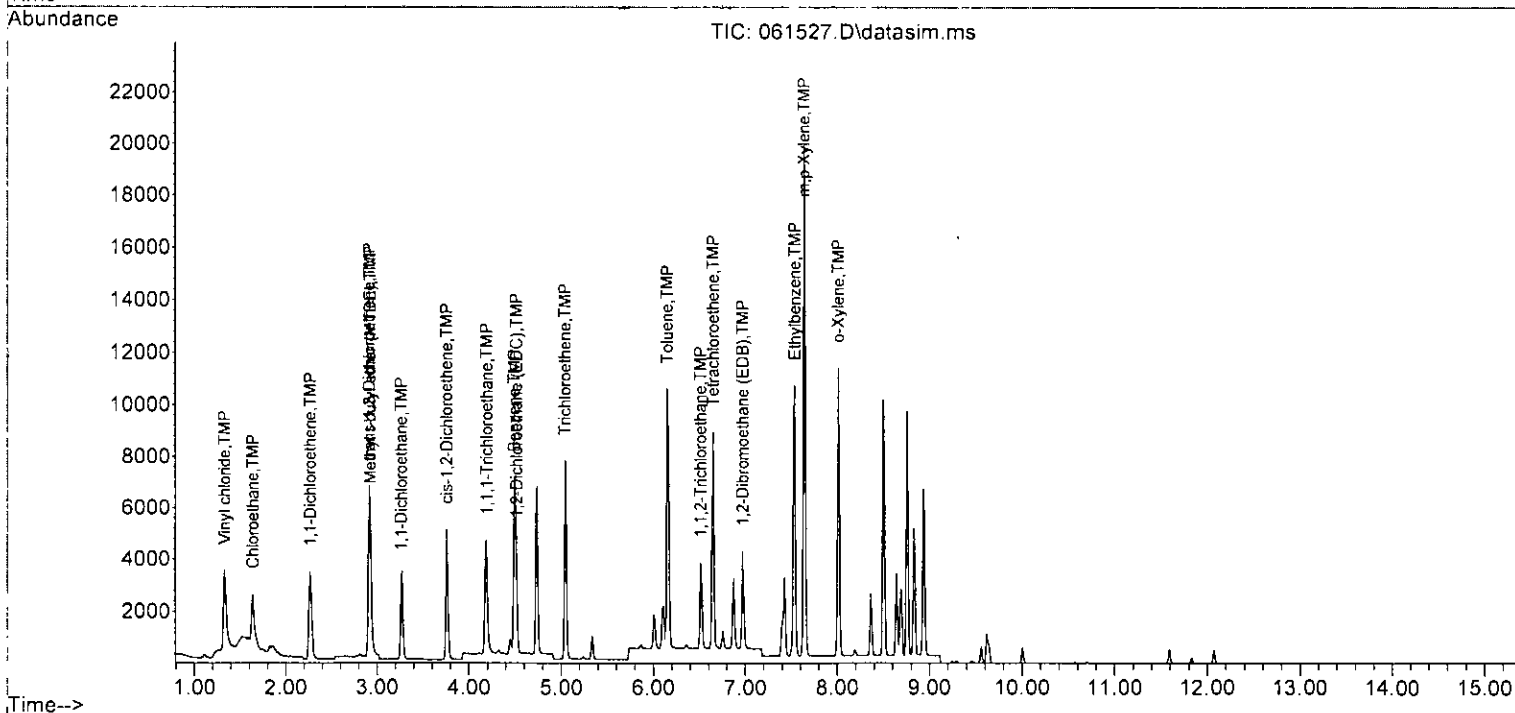
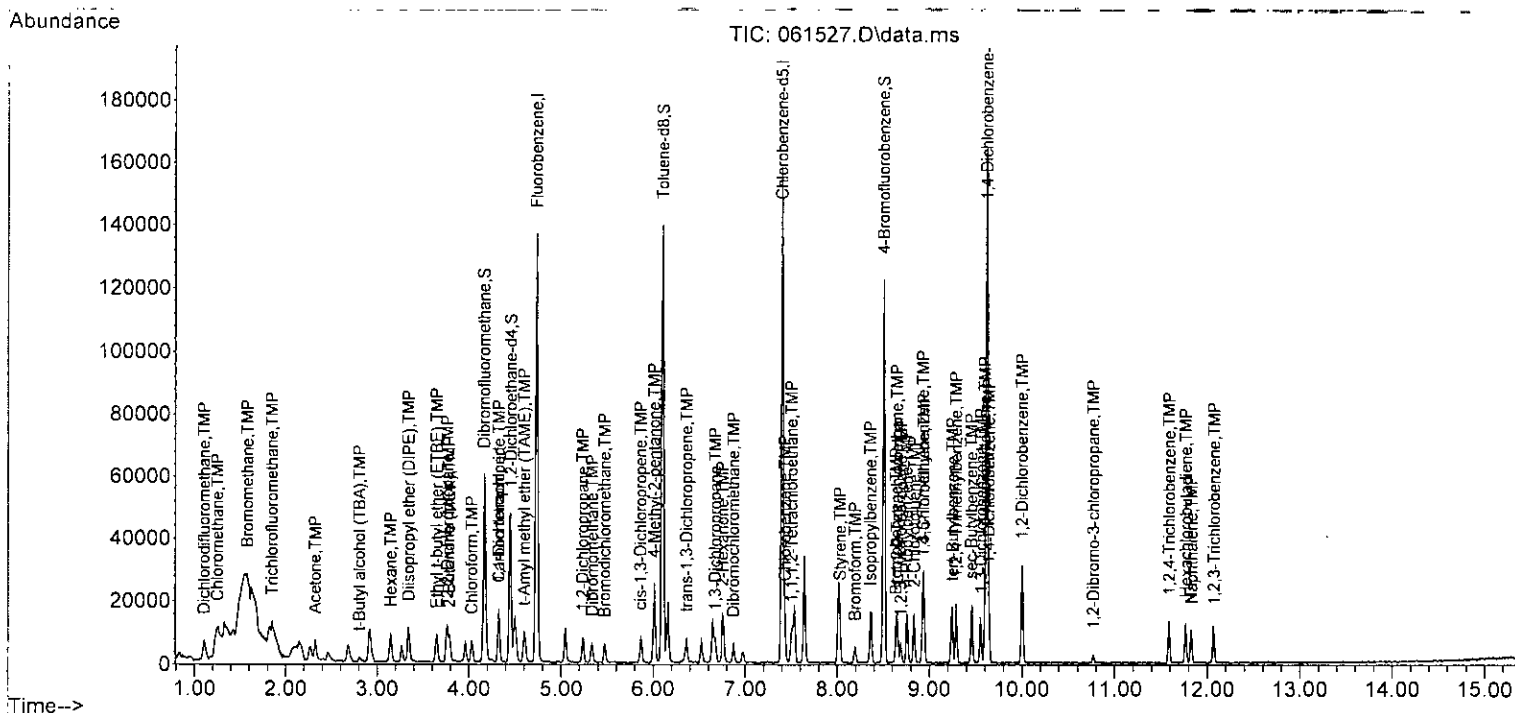
Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_& Trap_Volatiles_Dual_Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QION | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 2155 | 4.326 | ppb | 97 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 3382 | 0.875 | ppb | 91 |
| 40] Toluene | 6.15 | 92 | 6179 | 1.011 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 3239 | 0.960 | ppb | 91 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 1778 | 0.979 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 11205 | 4.814 | ppb | 97 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 3074 | 0.965 | ppb | 96 |
| 45] Tetrachloroethene | 6.65 | 164 | 3042 | 1.018 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 2994 | 0.955 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 2632 | 0.966 | ppb | 100 |
| 48) Chlorobenzene | 7.43 | 112 | 7365 | 1.010 | ppb | 84 |
| 49] Ethylbenzene | 7.54 | 91 | 11141 | 0.967 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 2974 | 1.032 | ppb | 87 |
| 51] m,p-Xylene | 7.64 | 106 | 9136 | 1.927 | ppb | 99 |
| 52] o-Xylene | 8.01 | 106 | 4395 | 0.954 | ppb | 98 |
| 53) Styrene | 8.03 | 104 | 6399 | 0.922 | ppb | 89 |
| 54) Isopropylbenzene | 8.36 | 105 | 10811 | 1.019 | ppb | 98 |
| 55) Bromoform | 8.19 | 173 | 1933 | 0.822 | ppb | 93 |
| 58) n-Propylbenzene | 8.75 | 91 | 11213 | 0.965 | ppb | 98 |
| 59) Bromobenzene | 8.64 | 156 | 3430 | 0.998 | ppb | 93 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 8870 | 1.005 | ppb | 97 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 2372 | 0.921 | ppb | 86 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 2333 | 1.192 | ppb | 89 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 7111 | 1.044 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 8221 | 1.002 | ppb | 89 |
| 65) tert-Butylbenzene | 9.25 | 119 | 8653 | 1.039 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 8853 | 0.962 | ppb | 89 |
| 67) sec-Butylbenzene | 9.45 | 105 | 11753 | 1.038 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.60 | 119 | 10117 | 0.975 | ppb | 92 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 5947 | 0.991 | ppb | 95 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 6103 | 1.013 | ppb | 94 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 5730 | 1.003 | ppb | 96 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 478 | 0.930 | ppb # | 80 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 3890 | 0.952 | ppb | 87 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 2550 | 1.064 | ppb | 92 |
| 75) Naphthalene | 11.83 | 128 | 8217 | 0.916 | ppb | 95 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 3467 | 0.891 | ppb | 86 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update: Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response Via : Initial Calibration
 DataAcq Meth: VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.05 |
| 3 5 | Dibromofluoromethane | 10.000 | 9.216 | 7.8 | 100 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 1.000 | 0.838 | 16.2 | 100 | 0.00 |
| 5 TMP | Chloromethane | 1.000 | 1.039 | -3.9 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 1.000 | 0.921 | 7.9 | 114 | 0.00 |
| 7 TMP | Bromomethane | 1.000 | 0.932 | 6.8 | 100 | 0.01 |
| 8 TMP | Chloroethane | 1.000 | 1.042 | -4.2 | 100 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.000 | 0.802 | 19.8 | 100 | 0.00 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.05 |
| 11 TMP | Acetone | 5.000 | 4.607 | 7.9 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 1.000 | 0.816 | 18.4 | 98 | 0.00 |
| 13 TMP | Hexane | 1.000 | 0.978 | 2.2 | 100 | 0.00 |
| 14 TMP | Methylene chloride | -1.000 | 0.000 | 0.0 | 0 | -2.68# |
| 15 TMP | t-Butyl alcohol (TBA) | 5.000 | 4.475 | 10.5 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 1.000 | 0.857 | 14.3 | 100 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 1.000 | 0.916 | 8.4 | 105 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 1.000 | 0.922 | 7.8 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 1.000 | 0.868 | 13.2 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 1.000 | 0.949 | 5.1 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 1.000 | 0.874 | 12.6 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 1.000 | 0.877 | 12.3 | 100 | 0.00 |
| 23 TMP | Chloroform | 1.000 | 0.891 | 10.9 | 100 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 5.000 | 4.373 | 12.5 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 1.000 | 0.921 | 7.9 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 1.000 | 0.914 | 8.6 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 1.000 | 0.865 | 13.5 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 1.000 | 0.854 | 14.6 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 1.000 | 0.873 | 12.7 | 100 | 0.00 |
| 30 5 | 1,2-Dichloroethane-d4 | 10.000 | 8.494 | 15.1 | 100 | 0.00 |
| 31 TMP | Benzene | 1.000 | 0.867 | 13.3 | 100 | 0.00 |
| 32 TMP | Trichloroethene | 1.000 | 0.930 | 7.0 | 107 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 1.000 | 1.085 | -8.5 | 100 | 0.00 |
| 34 TMP | Bromodichloromethane | 1.000 | 0.879 | 12.1 | 100 | 0.00 |
| 35 5 | Toluene-d8 | 10.000 | 8.603 | 14.0 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 1.000 | 0.964 | 3.6 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 5.000 | 4.326 | 13.5 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 1.000 | 0.875 | 12.5 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 1.000 | 1.011 | -1.1 | 100 | -0.01 |
| 41 TMP | trans-1,3-Dichloropropene | 1.000 | 0.960 | 4.0 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 1.000 | 0.979 | 2.1 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 5.000 | 4.814 | 3.7 | 103 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 1.000 | 0.965 | 3.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 1.000 | 1.018 | -1.8 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 1.000 | 0.955 | 4.5 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 1.000 | 0.966 | 3.4 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 1.000 | 1.010 | -1.0 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.000 | 0.967 | 3.3 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 1.000 | 1.032 | -3.2 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 2.000 | 1.927 | 3.6 | 100 | 0.00 |
| 52 TMP o-Xylene | 1.000 | 0.954 | 4.6 | 100 | 0.00 |
| 53 TMP Styrene | 1.000 | 0.922 | 7.8 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.000 | 1.019 | -1.9 | 100 | 0.00 |
| 55 TMP Bromoform | 1.000 | 0.822 | 17.8 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 10.000 | 10.243 | -2.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 1.000 | 0.965 | 3.5 | 100 | -0.01 |
| 59 TMP Bromobenzene | 1.000 | 0.998 | 0.2 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 1.000 | 1.005 | -0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 1.000 | 0.921 | 7.9 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 1.000 | 1.192 | -19.2 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.000 | 1.044 | -4.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.000 | 1.002 | -0.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.000 | 1.039 | -3.9 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 1.000 | 0.962 | 3.8 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 1.000 | 1.038 | -3.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 1.000 | 0.975 | 2.5 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.000 | 0.991 | 0.9 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.000 | 1.013 | -1.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.000 | 1.003 | -0.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 1.000 | 0.930 | 7.0 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 1.000 | 0.952 | 4.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 1.000 | 1.064 | -6.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 1.000 | 0.916 | 8.4 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 1.000 | 0.891 | 10.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.05 |
| 3 5 Dibromofluoromethane | 0.302 | 0.278 | 7.9 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.683 | 16.2 | 100 | 0.00 |
| 5 TMP Chloromethane | 0.756 | 0.786 | -4.0 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.628 | 0.571 | 9.1 | 114 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.412 | 6.8 | 100 | 0.01 |
| 8 TMP Chloroethane | 0.292 | 0.304 | -4.1 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.002 | 19.8 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.05 |
| 11 TMP Acetone | 0.035 | 0.032 | 8.6 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.217 | 23.0# | 98 | 0.00 |
| 13 TMP Hexane | 0.343 | 0.336 | 2.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.225 | 0.000# | 100.0# | 0# | -2.68# |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.029# | 9.4 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.515 | 14.3 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.237 | 8.5 | 105 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.766 | 7.9 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.377 | 13.1 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.252 | 5.3 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.272 | 9.6 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.245 | 12.5 | 100 | 0.00 |
| 23 TMP Chloroform | 0.454 | 0.404 | 11.0 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.159 | 12.2 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.536 | 7.9 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.356 | 19.5 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.385 | 13.5 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.276 | 14.3 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.356 | 12.7 | 100 | 0.00 |
| 30 5 1,2-Dichloroethane-d4 | 0.062 | 0.053 | 14.5 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.796 | 13.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.319 | 0.288 | 9.7 | 107 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.254 | -8.5 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.335 | 0.294 | 12.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 0.825 | 14.0 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.162 | 3.6 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.040 | 14.9 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.316 | 12.5 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.779 | 6.3 | 100 | -0.01 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.408 | 4.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.224 | 2.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.282 | 3.8 | 103 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061527.D
 Acq On : 15 Jun 2023 06:15 pm
 Operator : MD
 Sample : 1 ppb 8260 ICAL 69-113k
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:16 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.387 | 3.7 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.383 | 3.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.377 | 4.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.332 | 8.3 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.928 | -1.0 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.404 | 3.3 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.375 | -3.3 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.576 | 3.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.554 | 4.5 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.806 | 7.8 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.362 | -1.9 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.244 | 17.6 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.776 | -2.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.667 | 3.5 | 100 | -0.01 |
| 59 TMP Bromobenzene | 0.818 | 0.816 | 0.2 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.110 | -0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.564 | 5.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.555 | -19.1 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.691 | -4.3 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.955 | -0.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.058 | -3.8 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.106 | 3.7 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.795 | -3.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.406 | 2.6 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.414 | 0.9 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.452 | -1.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.363 | -0.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.114 | 6.6 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.925 | 4.8 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.606 | -6.3 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 1.954 | 8.5 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.825 | 10.9 | 100 | 0.00 |

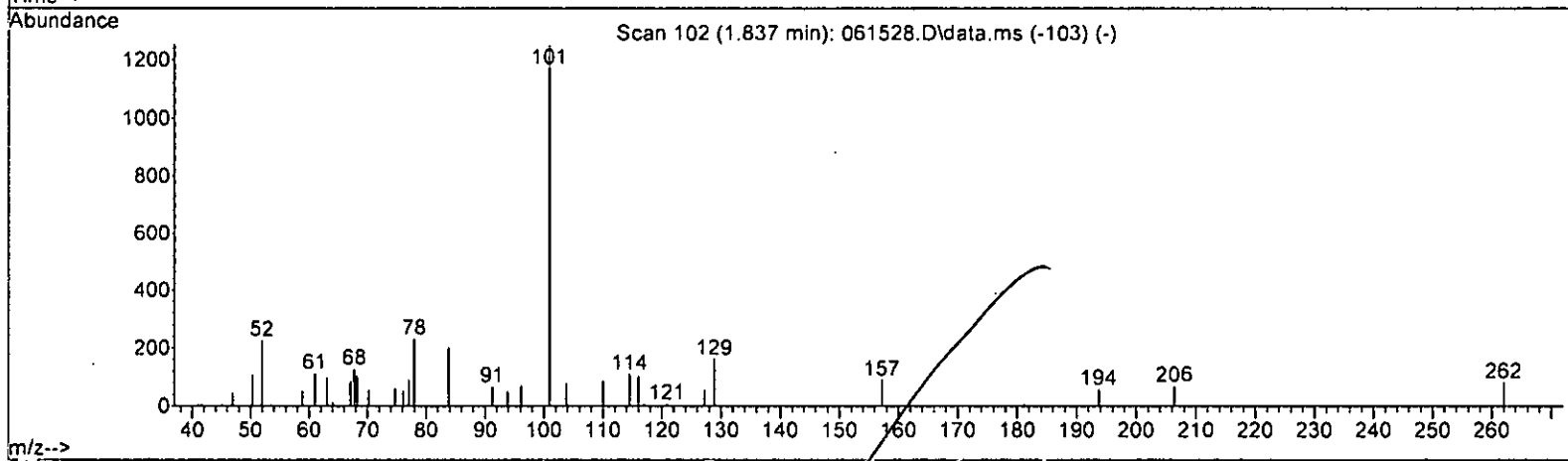
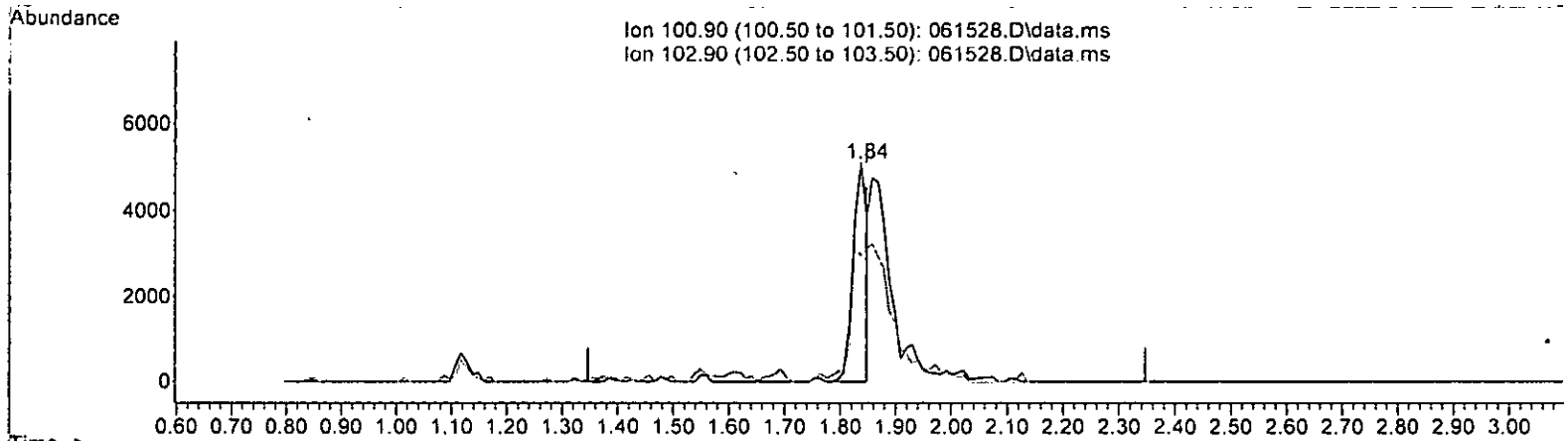
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
Data File : 061528.D
Acq On : 15 Jun 2023 06:38 pm
Operator : MD
Sample : 2 ppb 8260 ICAL 69-1131
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-&-Trap-Volatiles Dual Acquisition~~
~~Qlast Update : Fri Jun 16 07:37:11 2023~~
Response via : Initial Calibration
DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (-0.010) 0.773 ppb

response 8879

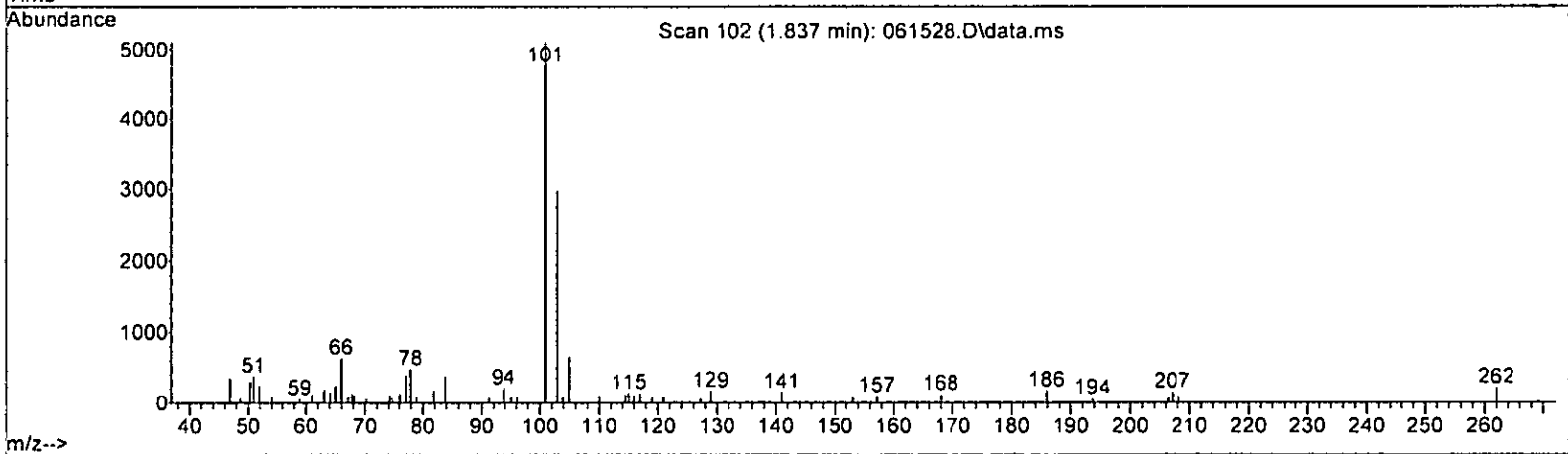
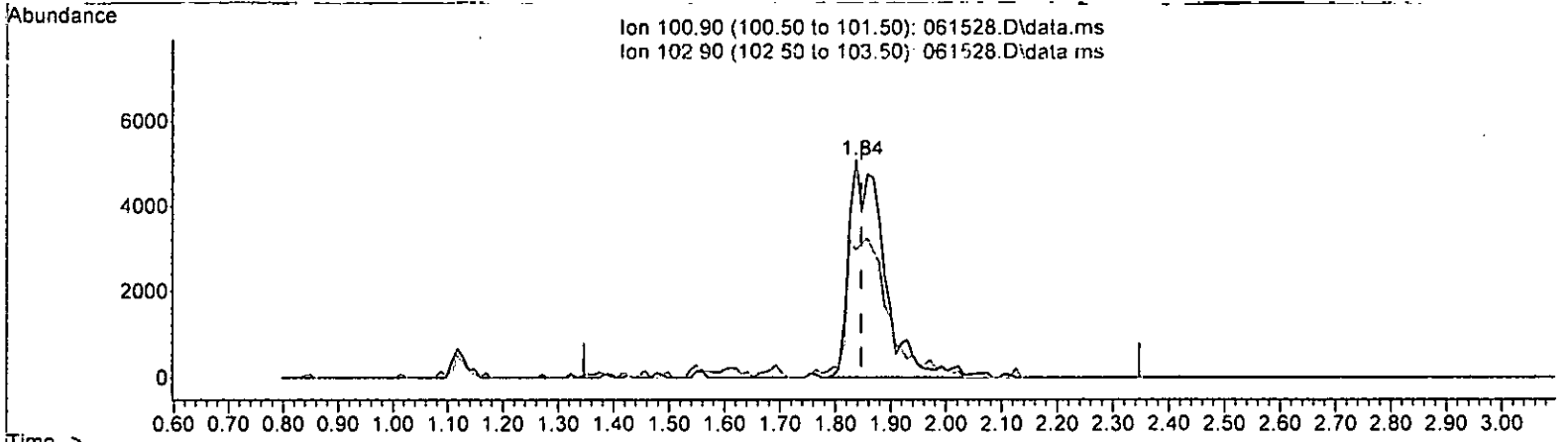
| Ion | Exp% | Act% |
|--------|--------|--------|
| 100.90 | 100.00 | 100.00 |
| 102.90 | 61.70 | 55.28 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Handwritten signature: M6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (-0.010) 2.088 ppb m

response 23975

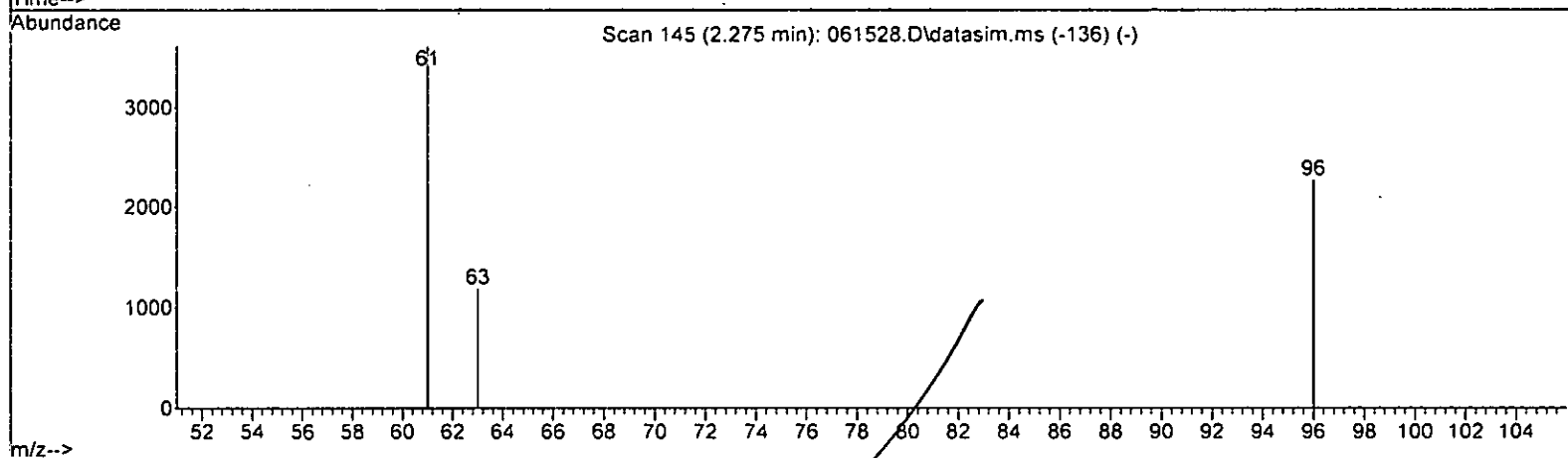
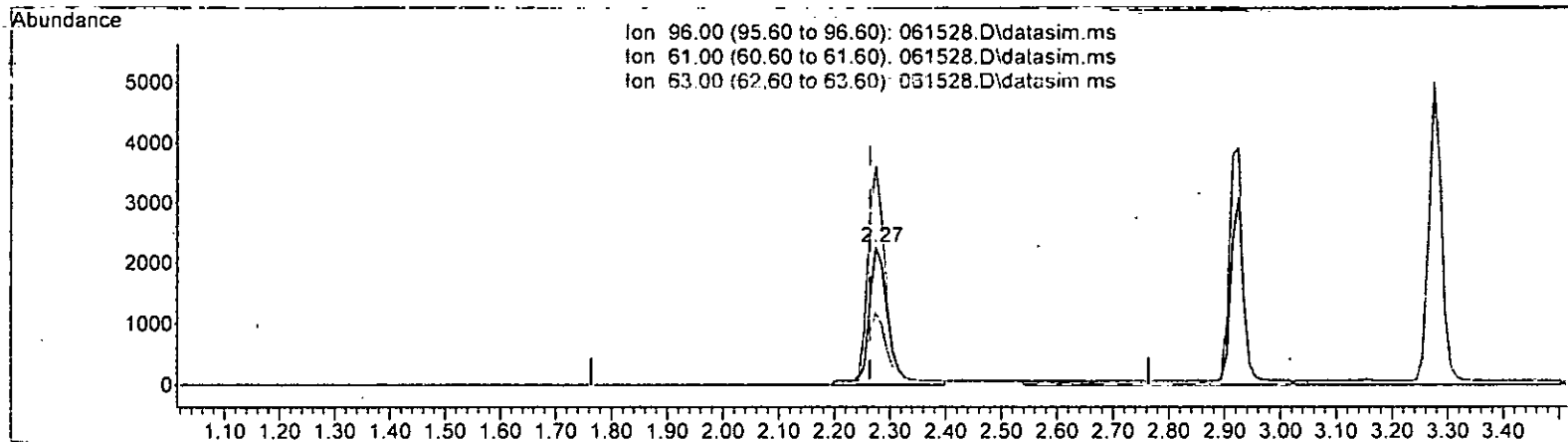
| Ion | Exp% | Act% |
|--------|--------|--------|
| 100.90 | 100.00 | 100.00 |
| 102.90 | 61.70 | 58.23 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

ms 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061528.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 2.248 ppb
 response 5442

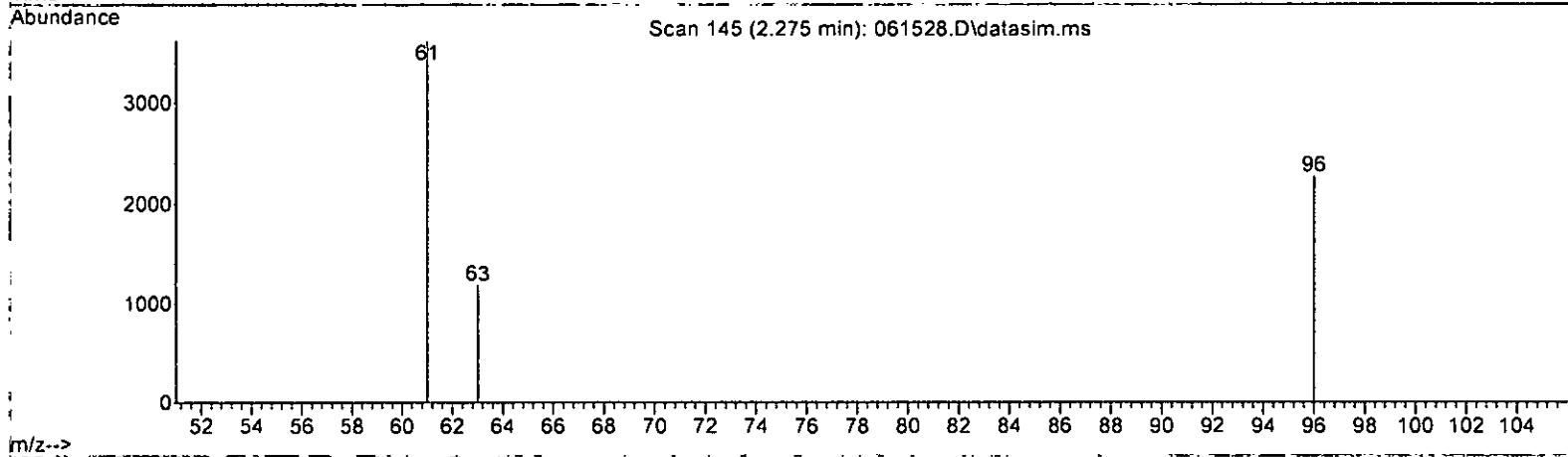
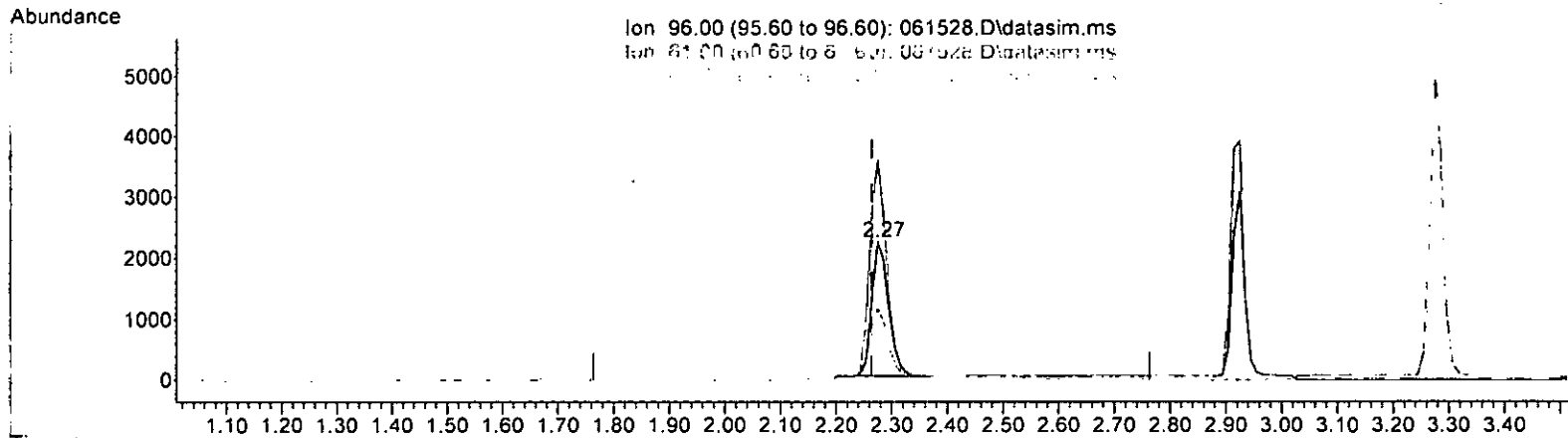
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 159.94 |
| 63.00 | 49.80 | 52.30 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.275min (+ 0.011) 1.928 ppb m

| response | 4671 | |
|----------|--------|--------|
| Ion | Exp% | Act% |
| 96.00 | 100.00 | 100.00 |
| 61.00 | 153.00 | 159.94 |
| 63.00 | 49.80 | 52.30 |
| 0.00 | 0.00 | 0.00 |

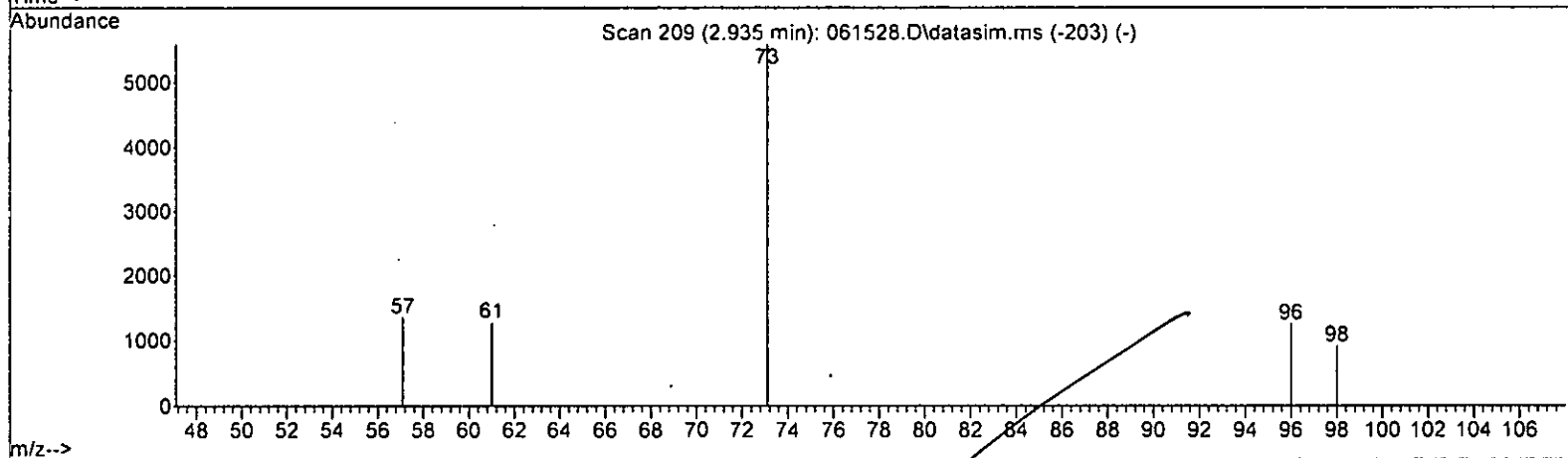
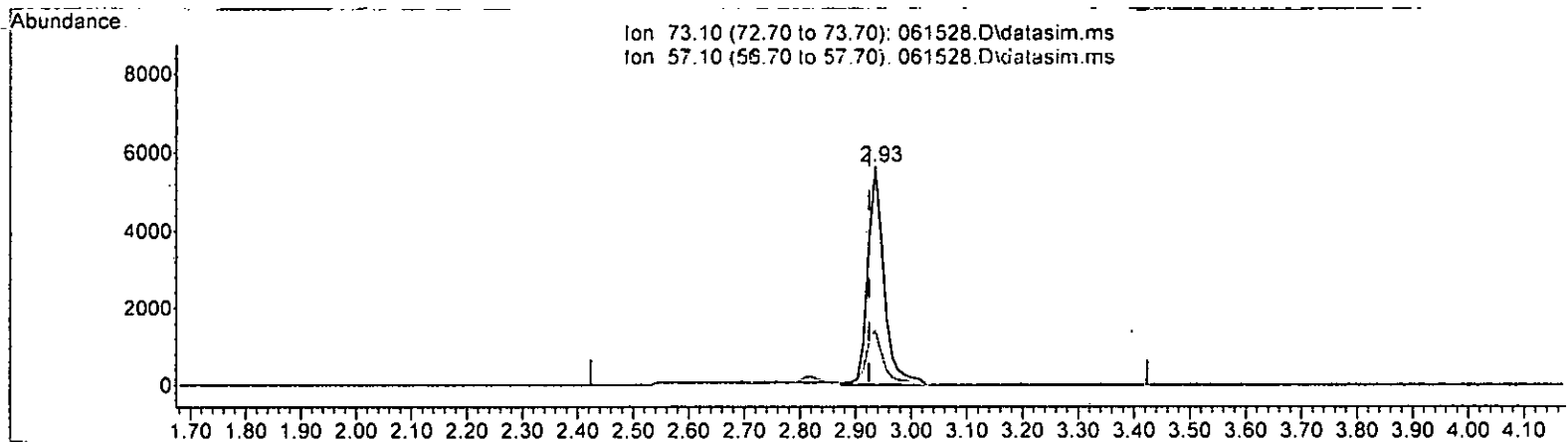
M 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
Data File : 061528.D
Acq On : 15 Jun 2023 06:38 pm
Operator : MD
Sample : 2 ppb 8260 ICAL 69-1131
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 2.062 ppb

response 11385

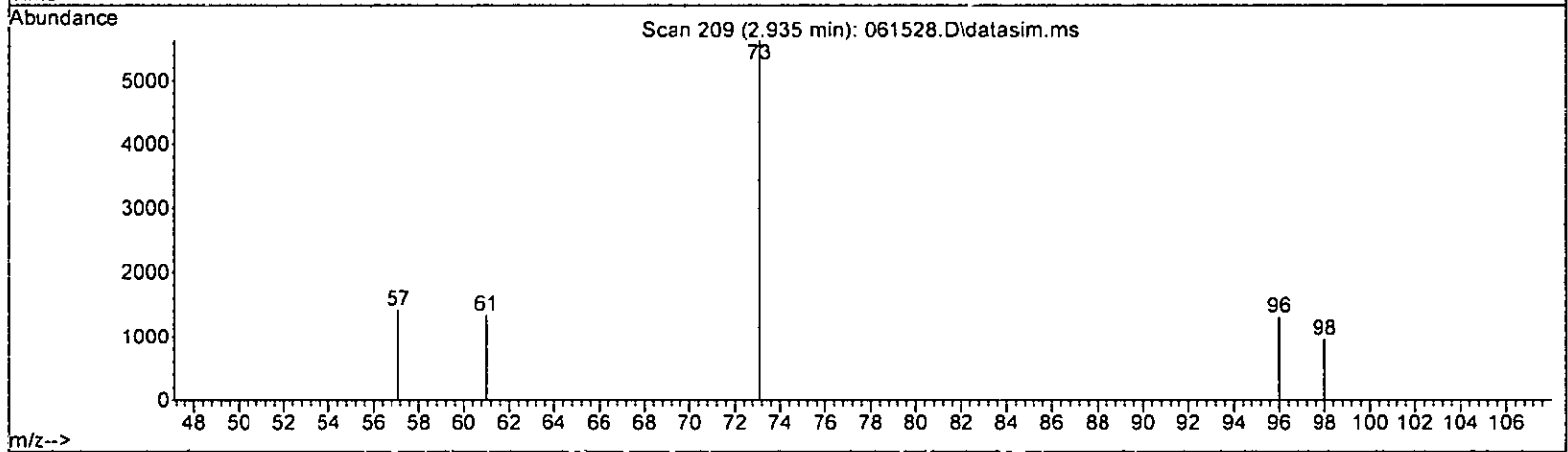
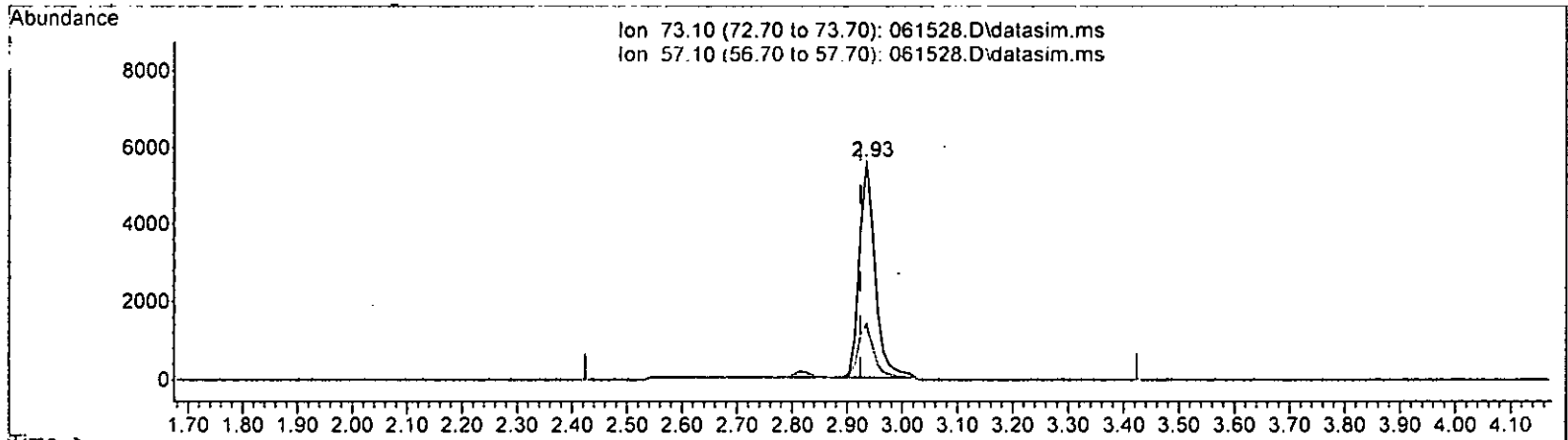
| Ion | Exp% | Act% |
|-------|--------|--------|
| 73.10 | 100.00 | 100.00 |
| 57.10 | 25.90 | 25.14 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260_Purge_8_Trap_Volatiles_Dual_Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061528.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.011) 1.980 ppb m

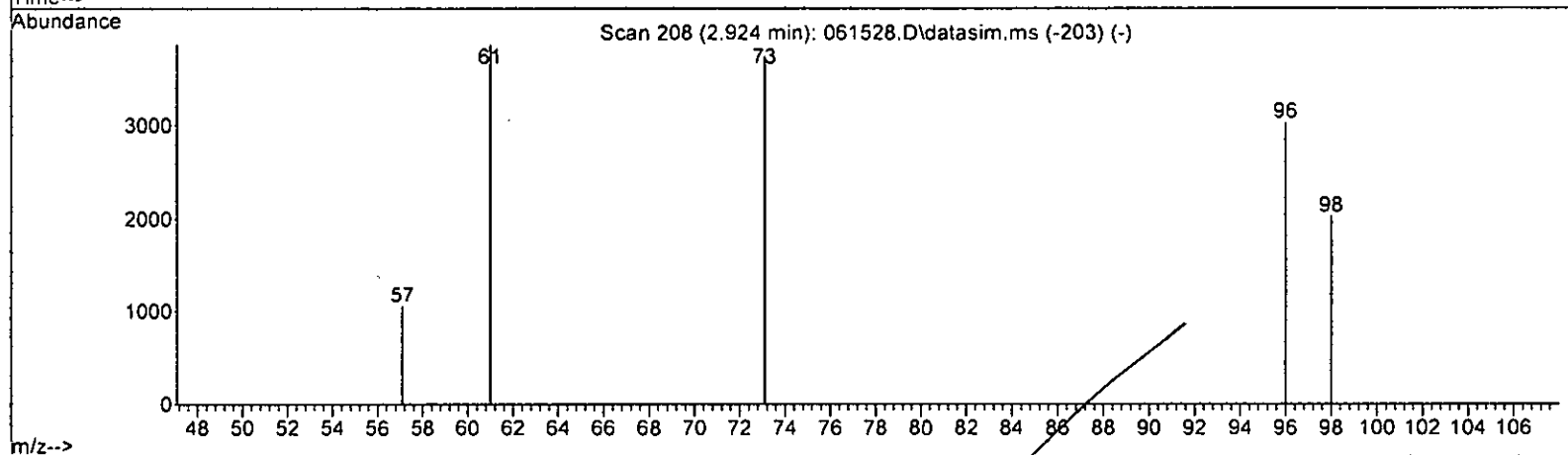
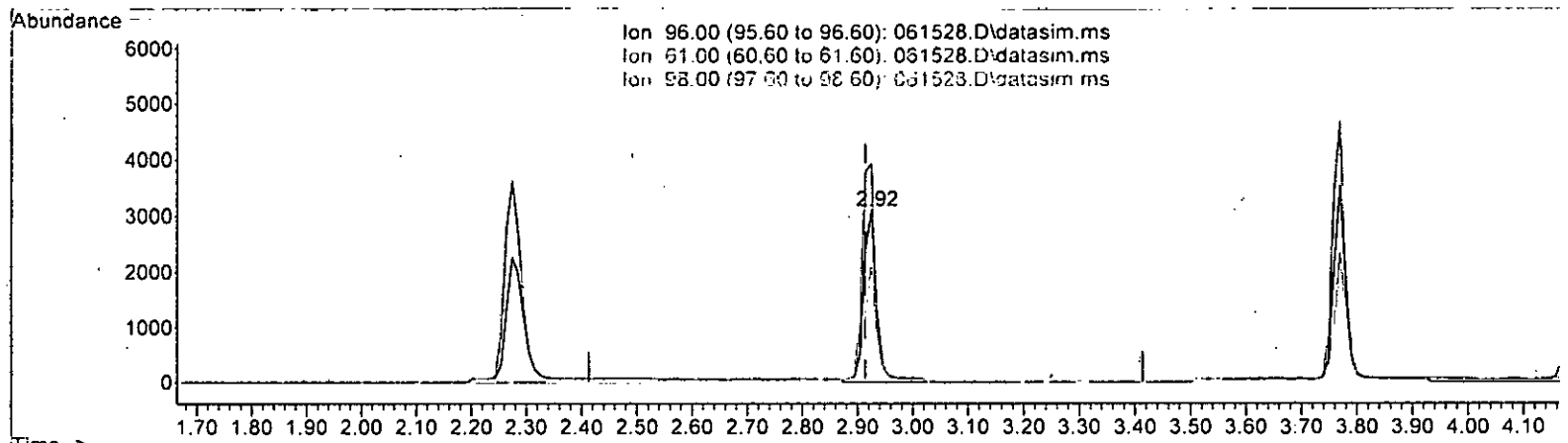
| response | 10933 | | |
|----------|--------|--------|--|
| Ion | Exp% | Act% | |
| 73.10 | 100.00 | 100.00 | |
| 57.10 | 25.90 | 25.14 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

m 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

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

2.924min (+ 0.011) 2.169 ppb

response 5151

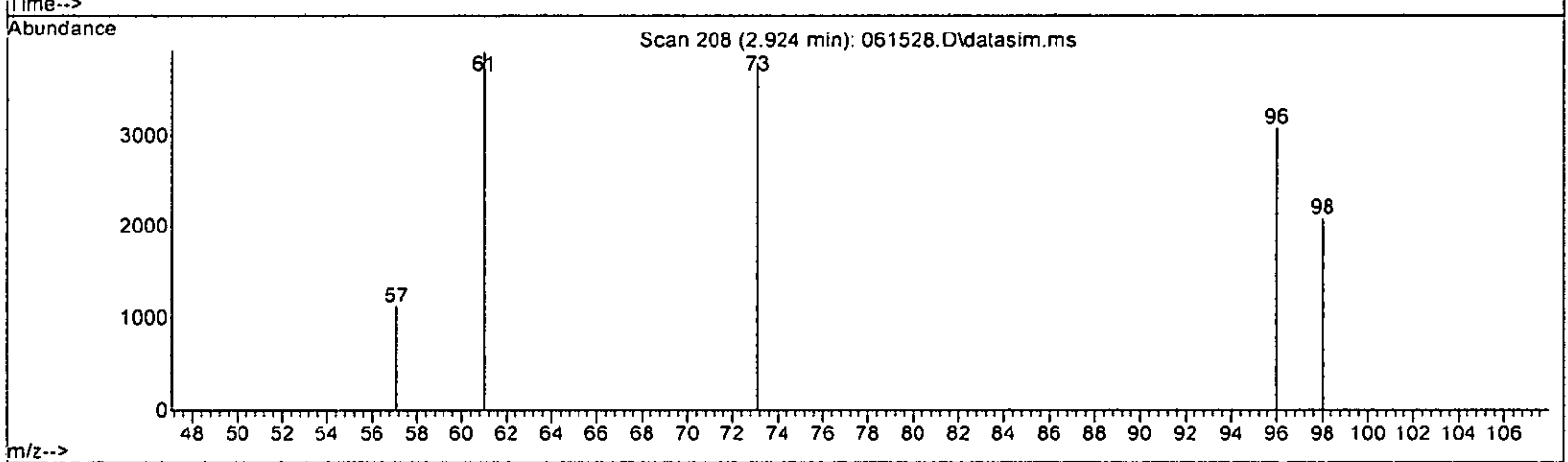
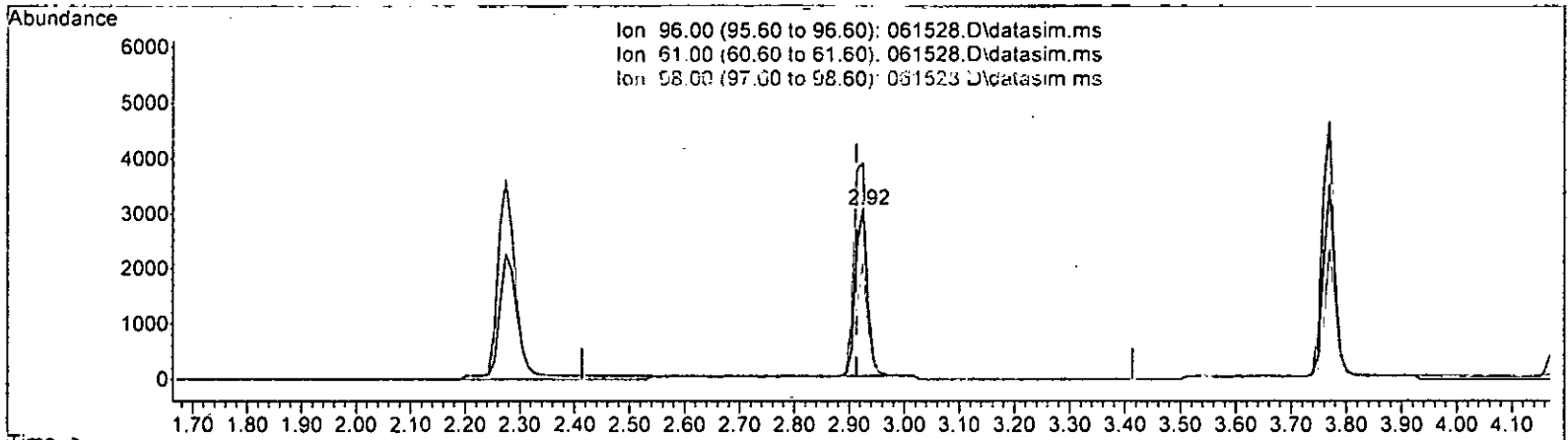
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 127.21 |
| 98.00 | 64.30 | 67.27 |
| 0.00 | 0.00 | 0.00 |

MD 6/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061528.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
 2.924min (+ 0.011) 1.950 ppb m

response 4631

| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 127.21 |
| 98.00 | 64.30 | 67.27 |
| 0.00 | 0.00 | 0.00 |

MD/16

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Qlast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 91846 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 76796 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 40955 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 27925 | 10.067 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.70% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5666 | 9.885 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 98.80% | | |
| 35) Toluene-d8 | 6.11 | 98 | 86490 | 9.818 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 98.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 32003 | 10.315 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 103.10% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.32 | 45 | 161 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 13986 | 1.868 | ppb | | 93 |
| 5) Chloromethane | 1.26 | 50 | 14022 | 2.019 | ppb | | 94 |
| 6] Vinyl chloride | 1.34 | 62 | 11370 | 1.998 | ppb | | 98 |
| 7) Bromomethane | 1.58 | 94 | 8935 | 2.201 | ppb | | 84 |
| 8] Chloroethane | 1.65 | 64 | 5654 | 2.109 | ppb | | 75 |
| 9) Trichlorofluoromethane | 1.84 | 101 | 23975m | 2.088 | ppb | | |
| 10) 2-Propanol | 2.32 | 45 | 161 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 3442 | 10.628 | ppb | | 88 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 4671m | 1.928 | ppb | | |
| 13) Hexane | 3.16 | 57 | 6494 | 2.060 | ppb | | 96 |
| 14) Methylene chloride | 2.68 | 84 | 4715 | 2.285 | ppb | | 94 |
| 15) t-Butyl alcohol (TBA) | 2.83 | 59 | 3277 | 11.060 | ppb | | 85 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 10933m | 1.980 | ppb | | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 4631m | 1.950 | ppb | | |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 15015 | 1.966 | ppb | | 98 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 7902 | 1.984 | ppb | | 94 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 4931 | 2.020 | ppb | | 94 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 5526 | 2.077 | ppb | | 91 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 5148 | 2.004 | ppb | | 88 |
| 23) Chloroform | 4.04 | 83 | 8418 | 2.019 | ppb | | 99 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 15195 | 9.125 | ppb | | 95 |
| 25) t-Amyl methyl ether (T...) | 4.61 | 73 | 11043 | 2.065 | ppb | | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 8778 | 2.494 | ppb | | 95 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 8130 | 1.987 | ppb | | 95 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 6197 | 2.092 | ppb | | 98 |
| 29) Carbon tetrachloride | 4.33 | 117 | 7638 | 2.040 | ppb | | 96 |
| 31] Benzene | 4.50 | 78 | 17060 | 2.024 | ppb | | 94 |
| 32] Trichloroethene | 5.04 | 95 | 5842 | 2.064 | ppb | | 94 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 4254 | 1.978 | ppb | | 100 |
| 34) Bromodichloromethane | 5.48 | 83 | 6455 | 2.098 | ppb | | 98 |
| 36) Dibromomethane | 5.34 | 93 | 3023 | 1.960 | ppb | | 91 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

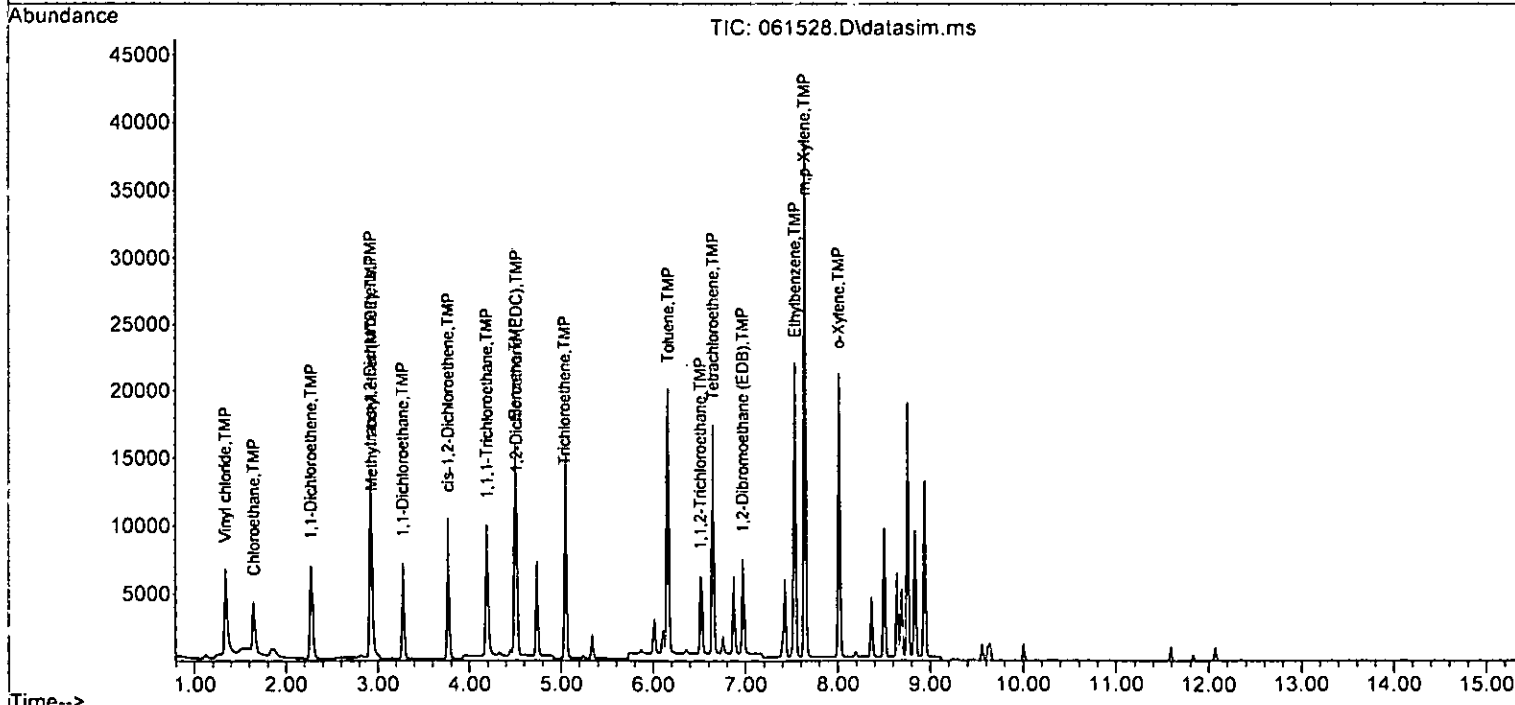
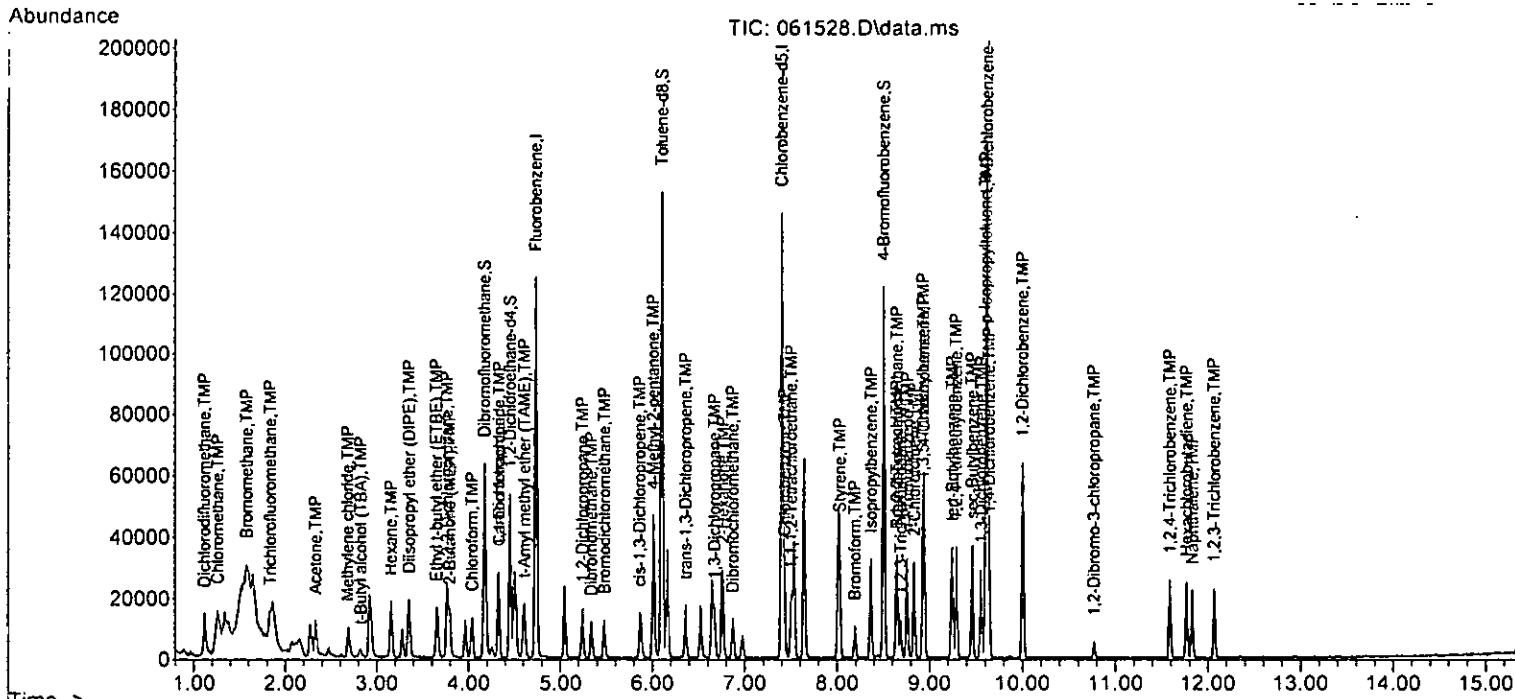
Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~
 Response via: Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 3998 | 9.359 | ppb | 98 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 6899 | 2.082 | ppb | 85 |
| 40] Toluene | 6.16 | 92 | 12022 | 2.048 | ppb | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 5944 | 1.820 | ppb | 82 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 3479 | 1.979 | ppb | 95 |
| 43) 2-Hexanone | 6.76 | 43 | 22687 | 10.072 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 6011 | 1.949 | ppb | 99 |
| 45] Tetrachloroethene | 6.65 | 164 | 5951 | 2.067 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 6179 | 2.036 | ppb | 96 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 5202 | 1.979 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 13712 | 1.943 | ppb | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 21839 | 1.959 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 5239 | 1.878 | ppb | 90 |
| 51] m,p-Xylene | 7.64 | 106 | 18021 | 3.929 | ppb | 98 |
| 52] o-Xylene | 8.01 | 106 | 8760 | 1.965 | ppb | 97 |
| 53) Styrene | 8.03 | 104 | 13953 | 2.078 | ppb | 96 |
| 54) Isopropylbenzene | 8.37 | 105 | 20514 | 1.998 | ppb | 96 |
| 55) Bromoform | 8.19 | 173 | 4230 | 1.858 | ppb | 97 |
| 58) n-Propylbenzene | 8.76 | 91 | 23907 | 2.112 | ppb | 99 |
| 59) Bromobenzene | 8.65 | 156 | 6691 | 1.998 | ppb | 96 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 18411 | 2.142 | ppb | 96 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 5269 | 2.210 | ppb | 94 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 3860 | 2.024 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 13920 | 2.097 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 16911 | 2.116 | ppb | 99 |
| 65) tert-Butylbenzene | 9.25 | 119 | 16574 | 2.042 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 18298 | 2.042 | ppb | 96 |
| 67) sec-Butylbenzene | 9.46 | 105 | 23115 | 2.096 | ppb | 97 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 20494 | 2.027 | ppb | 95 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 11861 | 2.029 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 12012 | 2.046 | ppb | 94 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 11168 | 2.007 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 964 | 1.926 | ppb # | 83 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 7855 | 1.973 | ppb | 95 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 4951 | 2.121 | ppb | 91 |
| 75) Naphthalene | 11.83 | 128 | 16248 | 1.859 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 7391 | 1.950 | ppb | 99 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.067 | -0.7 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 2.000 | 1.868 | 6.6 | 100 | 0.01 |
| 5 TMP Chloromethane | 2.000 | 2.019 | -1.0 | 100 | 0.01 |
| 6 TMP Vinyl chloride | 2.000 | 1.998 | 0.1 | 100 | 0.01 |
| 7 TMP Bromomethane | 2.000 | 2.201 | -10.1 | 114 | 0.01 |
| 8 TMP Chloroethane | 2.000 | 2.109 | -5.4 | 100 | 0.01 |
| 9 TMP Trichlorofluoromethane | 2.000 | 2.088 | -4.4 | 108 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP Acetone | 10.000 | 10.628 | -6.3 | 100 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 2.000 | 1.928 | 3.6 | 86 | 0.01 |
| 13 TMP Hexane | 2.000 | 2.060 | -3.0 | 100 | 0.01 |
| 14 TMP Methylene chloride | 2.000 | 2.285 | -14.3 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 10.000 | 11.060 | -10.6 | 100 | 0.02 |
| 16 TMP Methyl t-butyl ether (MTBE) | 2.000 | 1.980 | 1.0 | 96 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 2.000 | 1.950 | 2.5 | 90 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 2.000 | 1.966 | 1.7 | 100 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 2.000 | 1.984 | 0.8 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 2.000 | 2.020 | -1.0 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 2.000 | 2.077 | -3.8 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 2.000 | 2.004 | -0.2 | 100 | 0.01 |
| 23 TMP Chloroform | 2.000 | 2.019 | -1.0 | 100 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 10.000 | 9.125 | 8.8 | 100 | 0.01 |
| 25 TMP t-Amyl methyl ether (TAME) | 2.000 | 2.065 | -3.2 | 100 | 0.01 |
| 26 TMP 1,2-Dichloroethane (EDC) | 2.000 | 2.494 | -24.7# | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 2.000 | 1.987 | 0.6 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 2.000 | 2.092 | -4.6 | 100 | 0.01 |
| 29 TMP Carbon tetrachloride | 2.000 | 2.040 | -2.0 | 100 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.885 | 1.2 | 100 | 0.00 |
| 31 TMP Benzene | 2.000 | 2.024 | -1.2 | 100 | 0.01 |
| 32 TMP Trichloroethene | 2.000 | 2.064 | -3.2 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 2.000 | 1.978 | 1.1 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 2.000 | 2.098 | -4.9 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 9.818 | 1.8 | 100 | 0.00 |
| 36 TMP Dibromomethane | 2.000 | 1.960 | 2.0 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 10.000 | 9.359 | 6.4 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 2.000 | 2.082 | -4.1 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 2.000 | 2.048 | -2.4 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 2.000 | 1.820 | 9.0 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 2.000 | 1.979 | 1.0 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 10.000 | 10.072 | -0.7 | 104 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 2.000 | 1.949 | 2.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 2.000 | 2.067 | -3.4 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 2.000 | 2.036 | -1.8 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 2.000 | 1.979 | 1.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 2.000 | 1.943 | 2.8 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 2.000 | 1.959 | 2.0 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 2.000 | 1.878 | 6.1 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 4.000 | 3.929 | 1.8 | 100 | 0.00 |
| 52 TMP o-Xylene | 2.000 | 1.965 | 1.7 | 100 | 0.00 |
| 53 TMP Styrene | 2.000 | 2.078 | -3.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 2.000 | 1.998 | 0.1 | 100 | 0.00 |
| 55 TMP Bromoform | 2.000 | 1.858 | 7.1 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.315 | -3.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.000 | 2.112 | -5.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 2.000 | 1.998 | 0.1 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.000 | 2.142 | -7.1 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 2.000 | 2.210 | -10.5 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 2.000 | 2.024 | -1.2 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 2.000 | 2.097 | -4.8 | 99 | 0.00 |
| 64 TMP 4-Chlorotoluene | 2.000 | 2.116 | -5.8 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 2.000 | 2.042 | -2.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.000 | 2.042 | -2.1 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.000 | 2.096 | -4.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.000 | 2.027 | -1.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 2.000 | 2.029 | -1.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 2.000 | 2.046 | -2.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 2.000 | 2.007 | -0.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 2.000 | 1.926 | 3.7 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 2.000 | 1.973 | 1.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 2.000 | 2.121 | -6.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.000 | 1.859 | 7.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 2.000 | 1.950 | 2.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : -8260-Purge-8-Trap-Volatiles-Dual-Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.00 |
| 3 5 | Dibromofluoromethane | 0.302 | 0.304 | -0.7 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.761 | 6.6 | 100 | 0.01 |
| 5 TMP | Chloromethane | 0.756 | 0.763 | -0.9 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 0.628 | 0.619 | 1.4 | 100 | 0.01 |
| 7 TMP | Bromomethane | 0.442 | 0.486 | -10.0 | 114 | 0.01 |
| 8 TMP | Chloroethane | 0.292 | 0.308 | -5.5 | 100 | 0.01 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.305 | -4.4 | 108 | 0.00 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP | Acetone | 0.035 | 0.037 | -5.7 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.254 | 9.9 | 86 | 0.01 |
| 13 TMP | Hexane | 0.343 | 0.354 | -3.2 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 0.225 | 0.257 | -14.2 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.036 | -12.5 | 100 | 0.02 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.595 | 1.0 | 96 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.252 | 2.7 | 90 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.817 | 1.8 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.430 | 0.9 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.268 | -0.8 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.301 | 0.0 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.280 | 0.0 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.458 | -0.9 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.165 | 8.8 | 100 | 0.01 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.601 | -3.3 | 100 | 0.01 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.478 | -8.1 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.443 | 0.4 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.337 | -4.7 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.416 | -2.0 | 100 | 0.01 |
| 30 5 | 1,2-Dichloroethane-d4 | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.929 | -1.2 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.318 | 0.3 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.232 | 0.9 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.351 | -4.8 | 100 | 0.00 |
| 35 5 | Toluene-d8 | 0.959 | 0.942 | 1.8 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.165 | 1.8 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.044 | 6.4 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.376 | -4.2 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.783 | 5.8 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.387 | 8.9 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.227 | 0.9 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.295 | -0.7 | 104 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061528.D
 Acq On : 15 Jun 2023 06:38 pm
 Operator : MD
 Sample : 2 ppb 8260 ICAL 69-1131
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:20 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge & Trap Volatiles Dual-Acquisition~~
~~QLast-Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.391 | 2.7 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.387 | 2.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.402 | -1.8 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.339 | 6.4 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.893 | 2.8 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.422 | 2.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.341 | 6.1 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.587 | 1.7 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.570 | 1.7 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.908 | -3.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.336 | 0.1 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.275 | 7.1 | 100 | 0.00 |
| ----- | | | | | |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.781 | -3.0 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.919 | -5.6 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.817 | 0.1 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.248 | -7.1 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.643 | -7.3 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.471# | -1.1 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.699 | -4.8 | 99 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 2.065 | -5.8 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.023 | -2.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.234 | -2.1 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.822 | -4.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.502 | -1.3 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.448 | -1.5 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.466 | -2.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.363 | -0.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.118 | 3.3 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.959 | 1.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.604 | -6.0 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 1.984 | 7.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.902 | 2.6 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | Qvalue |
|------------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 88050 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 75171 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39310 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 27084 | 10.185 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 101.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5434 | 9.889 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 98.90% | | |
| 35) Toluene-d8 | 6.11 | 98 | 87078 | 10.311 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 103.10% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29859 | 10.027 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 100.30% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.33 | 45 | 347 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 36414 | 5.073 | ppb | 97 | |
| 5) Chloromethane | 1.25 | 50 | 32702 | 4.911 | ppb | 93 | |
| 6] Vinyl chloride | 1.34 | 62 | 27119 | 4.975 | ppb | 97 | |
| 7) Bromomethane | 1.58 | 94 | 19819 | 5.092 | ppb | 86 | |
| 8] Chloroethane | 1.64 | 64 | 13067 | 5.084 | ppb | 87 | |
| 9) Trichlorofluoromethane | 1.83 | 101 | 55695 | 5.059 | ppb | 97 | |
| 10) 2-Propanol | 2.33 | 45 | 347 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 8126 | 26.173 | ppb | 95 | |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 11904 | 5.144 | ppb | 94 | |
| 13) Hexane | 3.16 | 57 | 14258 | 4.719 | ppb | 97 | |
| 14) Methylene chloride | 2.68 | 84 | 9946 | 5.027 | ppb | 94 | |
| 15) t-Butyl alcohol (TBA) | 2.82 | 59 | 6959 | 24.500 | ppb | 89 | |
| 16] Methyl t-butyl ether (...) | 2.92 | 73 | 26107 | 4.932 | ppb | 99 | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 11420 | 5.015 | ppb | 96 | |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 36062 | 4.926 | ppb | 99 | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 18812 | 4.927 | ppb | 98 | |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 11596 | 4.955 | ppb | 98 | |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 13084 | 5.307 | ppb | 92 | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 12157 | 4.937 | ppb | 83 | |
| 23) Chloroform | 4.04 | 83 | 18652 | 4.667 | ppb | 91 | |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 42610 | 26.692 | ppb | 96 | |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 25815 | 5.036 | ppb | 99 | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 17305 | 5.155 | ppb | 96 | |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 19425 | 4.953 | ppb | 98 | |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 14121 | 4.973 | ppb | 99 | |
| 29) Carbon tetrachloride | 4.32 | 117 | 18354 | 5.115 | ppb | 98 | |
| 31] Benzene | 4.50 | 78 | 39364 | 4.872 | ppb | 90 | |
| 32] Trichloroethene | 5.04 | 95 | 13983 | 5.162 | ppb | 99 | |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 9994 | 4.847 | ppb | 94 | |
| 34) Bromodichloromethane | 5.48 | 83 | 14696 | 4.983 | ppb | 95 | |
| 36) Dibromomethane | 5.34 | 93 | 7450 | 5.039 | ppb | 87 | |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

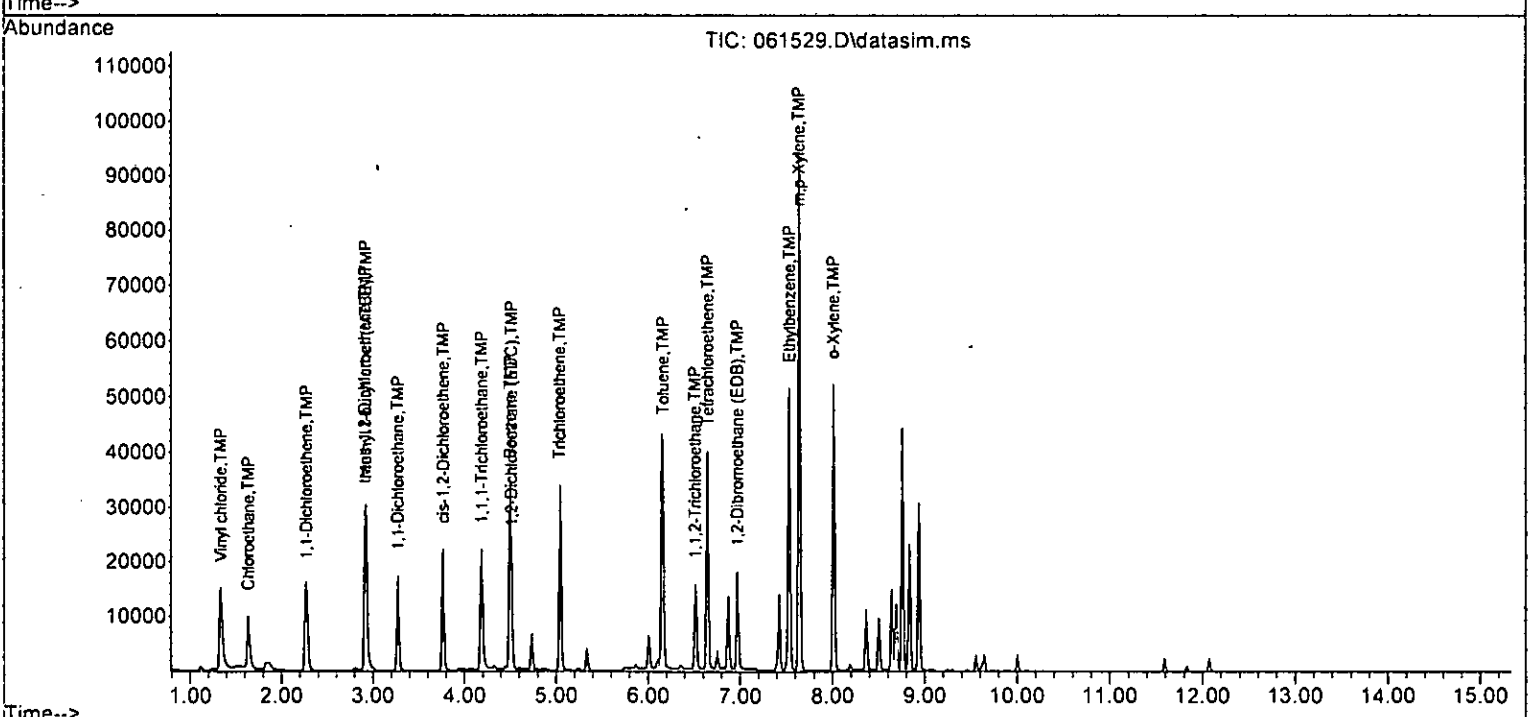
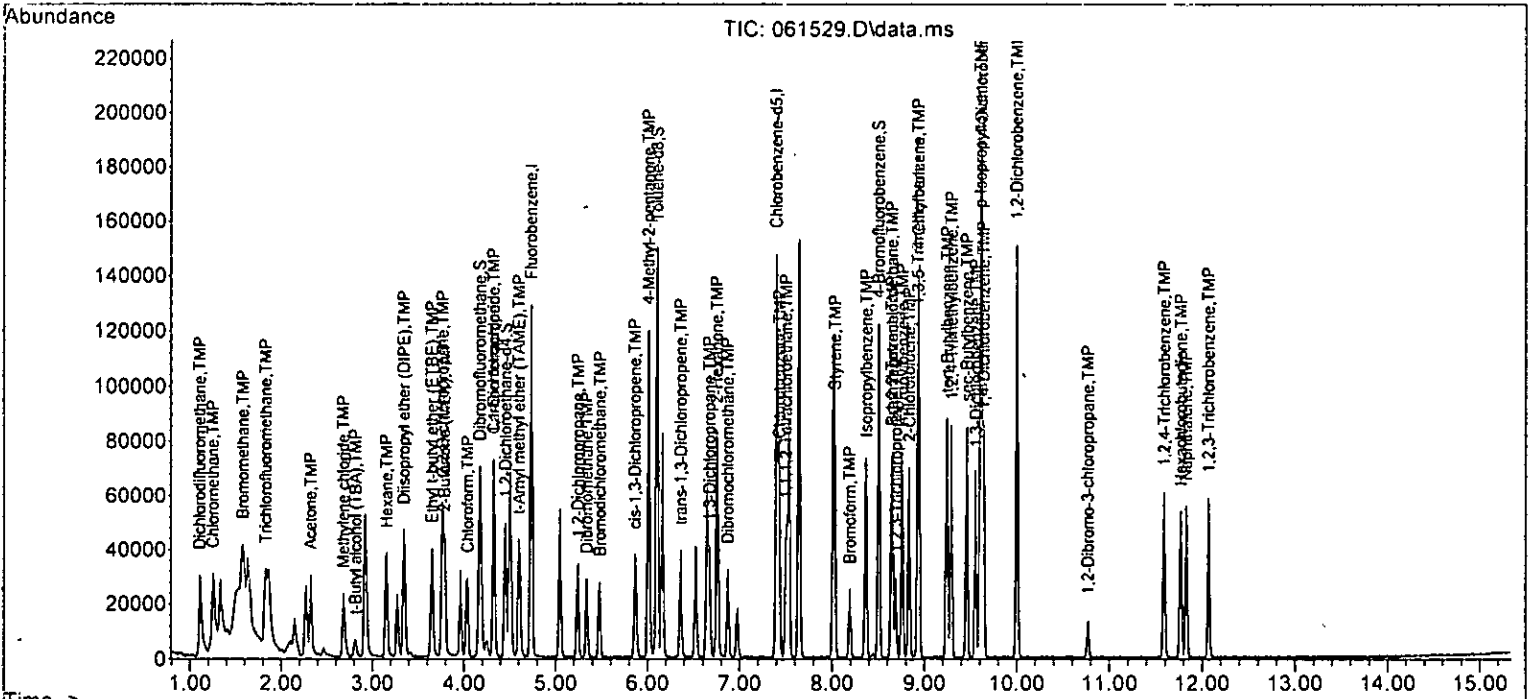
Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|-------|------|----------|--------|-------|----------|-----|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 10781 | 26.325 | ppb | # | 80 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 16477 | 5.187 | ppb | | 94 |
| 40] Toluene | 6.16 | 92 | 28302 | 4.945 | ppb | | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 15533 | 4.860 | ppb | | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 8417 | 4.892 | ppb | | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 55677 | 25.253 | ppb | | 97 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 15049 | 4.985 | ppb | | 96 |
| 45] Tetrachloroethene | 6.65 | 164 | 14056 | 5.001 | ppb | | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 14885 | 5.011 | ppb | | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 12567 | 4.891 | ppb | | 100 |
| 48) Chlorobenzene | 7.43 | 112 | 33646 | 4.871 | ppb | | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 52794 | 4.838 | ppb | | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 13404 | 4.910 | ppb | | 89 |
| 51] m,p-Xylene | 7.64 | 106 | 43474 | 9.682 | ppb | | 98 |
| 52] o-Xylene | 8.01 | 106 | 20981 | 4.809 | ppb | | 98 |
| 53) Styrene | 8.03 | 104 | 33151 | 5.043 | ppb | | 98 |
| 54) Isopropylbenzene | 8.37 | 105 | 48485 | 4.824 | ppb | | 98 |
| 55) Bromoform | 8.19 | 173 | 10563 | 4.740 | ppb | | 97 |
| 58) n-Propylbenzene | 8.76 | 91 | 56227 | 5.176 | ppb | | 89 |
| 59) Bromobenzene | 8.65 | 156 | 16391 | 5.100 | ppb | | 95 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 42234 | 5.119 | ppb | | 94 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 11839 | 5.287 | ppb | | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 10302 | 5.629 | ppb | | 90 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 32000 | 5.023 | ppb | | 95 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 39387 | 5.135 | ppb | | 96 |
| 65) tert-Butylbenzene | 9.25 | 119 | 39033 | 5.011 | ppb | | 97 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 43608 | 5.069 | ppb | | 99 |
| 67) sec-Butylbenzene | 9.46 | 105 | 52667 | 4.976 | ppb | | 97 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 48977 | 5.046 | ppb | | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 28169 | 5.021 | ppb | | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 28366 | 5.035 | ppb | | 94 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 26712 | 5.002 | ppb | | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 2476 | 5.153 | ppb | | 87 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 18747 | 4.907 | ppb | | 94 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 10773 | 4.809 | ppb | | 95 |
| 75) Naphthalene | 11.82 | 128 | 42202 | 5.029 | ppb | | 97 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 18344 | 5.041 | ppb | | 99 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 3 S Dibromofluoromethane | 10.000 | 10.185 | -1.9 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 5.000 | 5.073 | -1.5 | 100 | 0.00 |
| 5 TMP Chloromethane | 5.000 | 4.911 | 1.8 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 5.000 | 4.975 | 0.5 | 100 | 0.01 |
| 7 TMP Bromomethane | 5.000 | 5.092 | -1.8 | 100 | 0.01 |
| 8 TMP Chloroethane | 5.000 | 5.084 | -1.7 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 5.000 | 5.059 | -1.2 | 100 | -0.02 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP Acetone | 25.000 | 26.173 | -4.7 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 5.000 | 5.144 | -2.9 | 100 | 0.01 |
| 13 TMP Hexane | 5.000 | 4.719 | 5.6 | 100 | 0.01 |
| 14 TMP Methylene chloride | 5.000 | 5.027 | -0.5 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 25.000 | 24.500 | 2.0 | 100 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 5.000 | 4.932 | 1.4 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 5.000 | 5.015 | -0.3 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 5.000 | 4.926 | 1.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 5.000 | 4.927 | 1.5 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 5.000 | 4.955 | 0.9 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 5.000 | 5.307 | -6.1 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 5.000 | 4.937 | 1.3 | 100 | 0.01 |
| 23 TMP Chloroform | 5.000 | 4.667 | 6.7 | 100 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 25.000 | 26.692 | -6.8 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 5.000 | 5.036 | -0.7 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 5.000 | 5.155 | -3.1 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 5.000 | 4.953 | 0.9 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 5.000 | 4.973 | 0.5 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 5.000 | 5.115 | -2.3 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.889 | 1.1 | 100 | 0.00 |
| 31 TMP Benzene | 5.000 | 4.872 | 2.6 | 100 | 0.01 |
| 32 TMP Trichloroethene | 5.000 | 5.162 | -3.2 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 5.000 | 4.847 | 3.1 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 5.000 | 4.983 | 0.3 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.311 | -3.1 | 100 | 0.00 |
| 36 TMP Dibromomethane | 5.000 | 5.039 | -0.8 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 25.000 | 26.325 | -5.3 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 5.000 | 5.187 | -3.7 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 5.000 | 4.945 | 1.1 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 5.000 | 4.860 | 2.8 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 5.000 | 4.892 | 2.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 25.000 | 25.253 | -1.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Last Update : Fri Jun 16 07:37:11 2023~~
~~Response via : Initial Calibration~~
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 5.000 | 4.985 | 0.3 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 5.000 | 5.001 | -0.0 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 5.000 | 5.011 | -0.2 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 5.000 | 4.891 | 2.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 5.000 | 4.871 | 2.6 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 5.000 | 4.838 | 3.2 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 5.000 | 4.910 | 1.8 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 10.000 | 9.682 | 3.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 5.000 | 4.809 | 3.8 | 100 | 0.00 |
| 53 TMP Styrene | 5.000 | 5.043 | -0.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 5.000 | 4.824 | 3.5 | 100 | 0.00 |
| 55 TMP Bromoform | 5.000 | 4.740 | 5.2 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 10.000 | 10.027 | -0.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 5.000 | 5.176 | -3.5 | 100 | 0.00 |
| 59 TMP Bromobenzene | 5.000 | 5.100 | -2.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 5.000 | 5.119 | -2.4 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 5.000 | 5.287 | -5.7 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 5.000 | 5.629 | -12.6 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 5.000 | 5.023 | -0.5 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 5.000 | 5.135 | -2.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 5.000 | 5.011 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 5.000 | 5.069 | -1.4 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 5.000 | 4.976 | 0.5 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 5.000 | 5.046 | -0.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 5.000 | 5.021 | -0.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 5.000 | 5.035 | -0.7 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 5.000 | 5.002 | -0.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 5.000 | 5.153 | -3.1 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 5.000 | 4.907 | 1.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 5.000 | 4.809 | 3.8 | 100 | 0.00 |
| 75 TMP Naphthalene | 5.000 | 5.029 | -0.6 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 5.000 | 5.041 | -0.8 | 100 | 0.00 |

(#) = Out of Range

5PCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.01 |
| 3 S | Dibromofluoromethane | 0.302 | 0.308 | -2.0 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.827 | -1.5 | 100 | 0.00 |
| 5 TMP | Chloromethane | 0.756 | 0.743 | 1.7 | 100 | 0.00 |
| 6 TMP | Vinyl chloride | 0.628 | 0.616 | 1.9 | 100 | 0.01 |
| 7 TMP | Bromomethane | 0.442 | 0.450 | -1.8 | 100 | 0.01 |
| 8 TMP | Chloroethane | 0.292 | 0.297 | -1.7 | 100 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.265 | -1.2 | 100 | -0.02 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP | Acetone | 0.035 | 0.037 | -5.7 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.270 | 4.3 | 100 | 0.01 |
| 13 TMP | Hexane | 0.343 | 0.324 | 5.5 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 0.225 | 0.226 | -0.4 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.032 | 0.0 | 100 | 0.01 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.593 | 1.3 | 100 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.259 | 0.0 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.819 | 1.6 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.427 | 1.6 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.263 | 1.1 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.297 | 1.3 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.276 | 1.4 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.424 | 6.6 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.194 | -7.2 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.586 | -0.7 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.393 | 11.1 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.441 | 0.9 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.321 | 0.3 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.417 | -2.2 | 100 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.894 | 2.6 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.318 | 0.3 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.227 | 3.0 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.334 | 0.3 | 100 | 0.00 |
| 35 S | Toluene-d8 | 0.959 | 0.989 | -3.1 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.169 | -0.6 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.049 | -4.3 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.374 | -3.6 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.753 | 9.4 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.413 | 2.8 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.224 | 2.2 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.296 | -1.0 | 100 | 0.00 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061529.D
 Acq On : 15 Jun 2023 07:01 pm
 Operator : MD
 Sample : 5 ppb 8260 ICAL 69-113m
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:24 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Last Update : Fri Jun 16 07:37:11 2023~~
~~Response via : Initial Calibration~~
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.400 | 0.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.374 | 5.6 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.396 | -0.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.334 | 7.7 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.895 | 2.6 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.405 | 3.2 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.357 | 1.7 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.578 | 3.2 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.558 | 3.8 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.882 | -0.9 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.290 | 3.5 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.281 | 5.1 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.760 | -0.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.861 | -3.5 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.834 | -2.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.149 | -2.4 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.602 | -0.5 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.524 | -12.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.628 | -0.4 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 2.004 | -2.7 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.986 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.219 | -1.4 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.680 | 0.5 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.492 | -0.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.433 | -0.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.443 | -0.7 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.359 | -0.1 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.126 | -3.3 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.954 | 1.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.548 | 3.9 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.147 | -0.6 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.933 | -0.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 86487 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 72531 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 40586 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 26271 | 10.058 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.60% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5359 | 9.929 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 99.30% | | |
| 35) Toluene-d8 | 6.10 | 98 | 83934 | 10.118 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 101.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 30794 | 10.016 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 100.20% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.32 | 45 | 472 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 76982 | 10.918 | ppb | | 92 |
| 5) Chloromethane | 1.25 | 50 | 62963 | 9.626 | ppb | | 100 |
| 6] Vinyl chloride | 1.33 | 62 | 55091 | 10.292 | ppb | | 97 |
| 7) Bromomethane | 1.57 | 94 | 43916 | 11.486 | ppb | | 90 |
| 8] Chloroethane | 1.64 | 64 | 26114 | 10.343 | ppb | | 93 |
| 9) Trichlorofluoromethane | 1.85 | 101 | 103168 | 9.541 | ppb | | 99 |
| 10) 2-Propanol | 2.32 | 45 | 472 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 14855 | 48.710 | ppb | # | 82 |
| 12] 1,1-Dichloroethene | 2.26 | 96 | 23017 | 10.136 | ppb | | 91 |
| 13) Hexane | 3.15 | 57 | 29826 | 10.049 | ppb | | 99 |
| 14) Methylene chloride | 2.68 | 84 | 19311 | 9.937 | ppb | | 96 |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 13559 | 48.599 | ppb | | 93 |
| 16] Methyl t-butyl ether (...) | 2.92 | 73 | 51705 | 9.944 | ppb | | 98 |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 22341 | 9.989 | ppb | | 98 |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 72990 | 10.150 | ppb | | 94 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 37187 | 9.916 | ppb | | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 23835 | 10.369 | ppb | | 93 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 25619 | 10.700 | ppb | | 91 |
| 22] cis-1,2-Dichloroethene | 3.76 | 96 | 24191 | 10.002 | ppb | | 99 |
| 23) Chloroform | 4.03 | 83 | 39107 | 9.963 | ppb | | 95 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 81994 | 52.292 | ppb | | 98 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 50050 | 9.940 | ppb | | 97 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 34158 | 10.385 | ppb | | 97 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 38386 | 9.965 | ppb | | 99 |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 28200 | 10.111 | ppb | | 98 |
| 29) Carbon tetrachloride | 4.32 | 117 | 36689 | 10.409 | ppb | | 92 |
| 31] Benzene | 4.49 | 78 | 78369 | 9.874 | ppb | | 98 |
| 32] Trichloroethene | 5.04 | 95 | 26831 | 10.088 | ppb | | 98 |
| 33) 1,2-Dichloropropane | 5.23 | 63 | 19979 | 9.865 | ppb | | 97 |
| 34) Bromodichloromethane | 5.48 | 83 | 28595 | 9.870 | ppb | | 99 |
| 36) Dibromomethane | 5.34 | 93 | 14325 | 9.863 | ppb | | 88 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

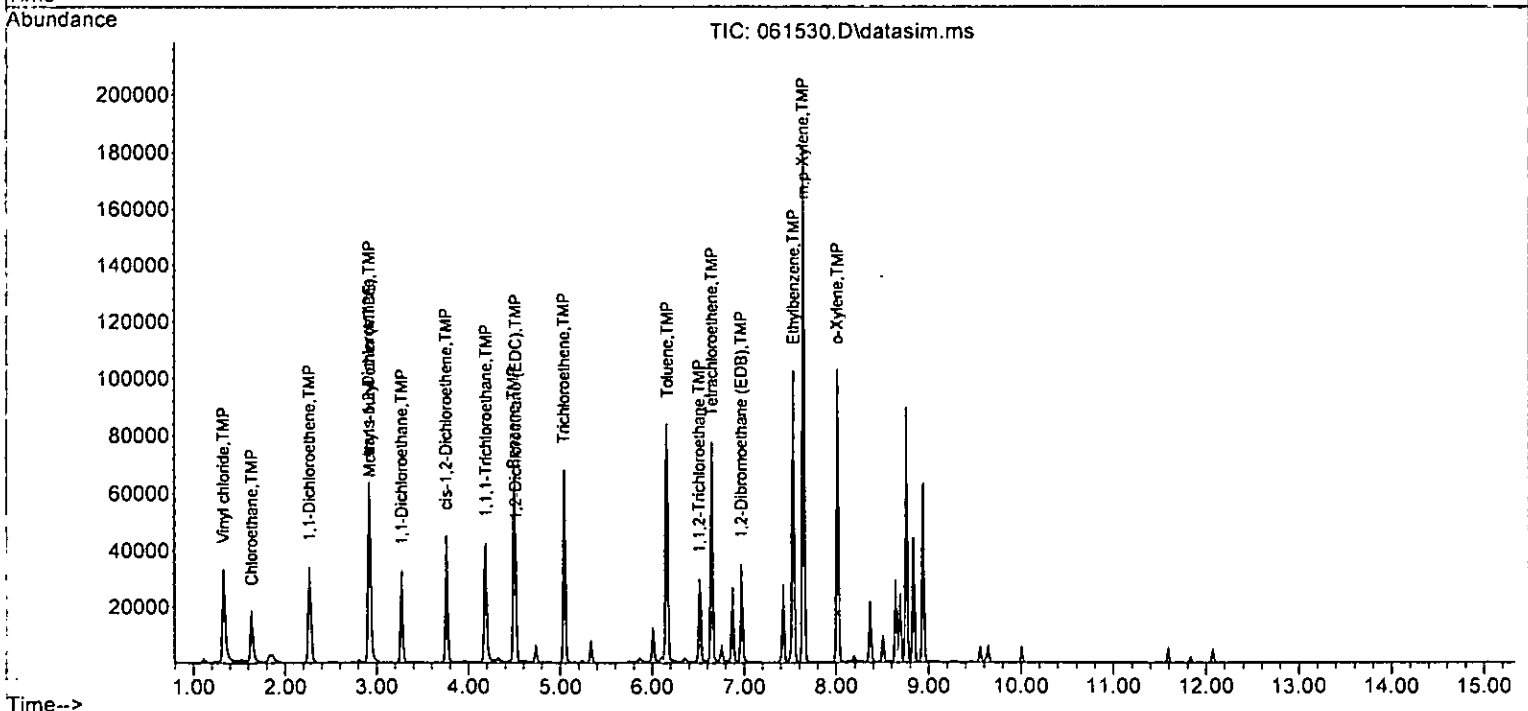
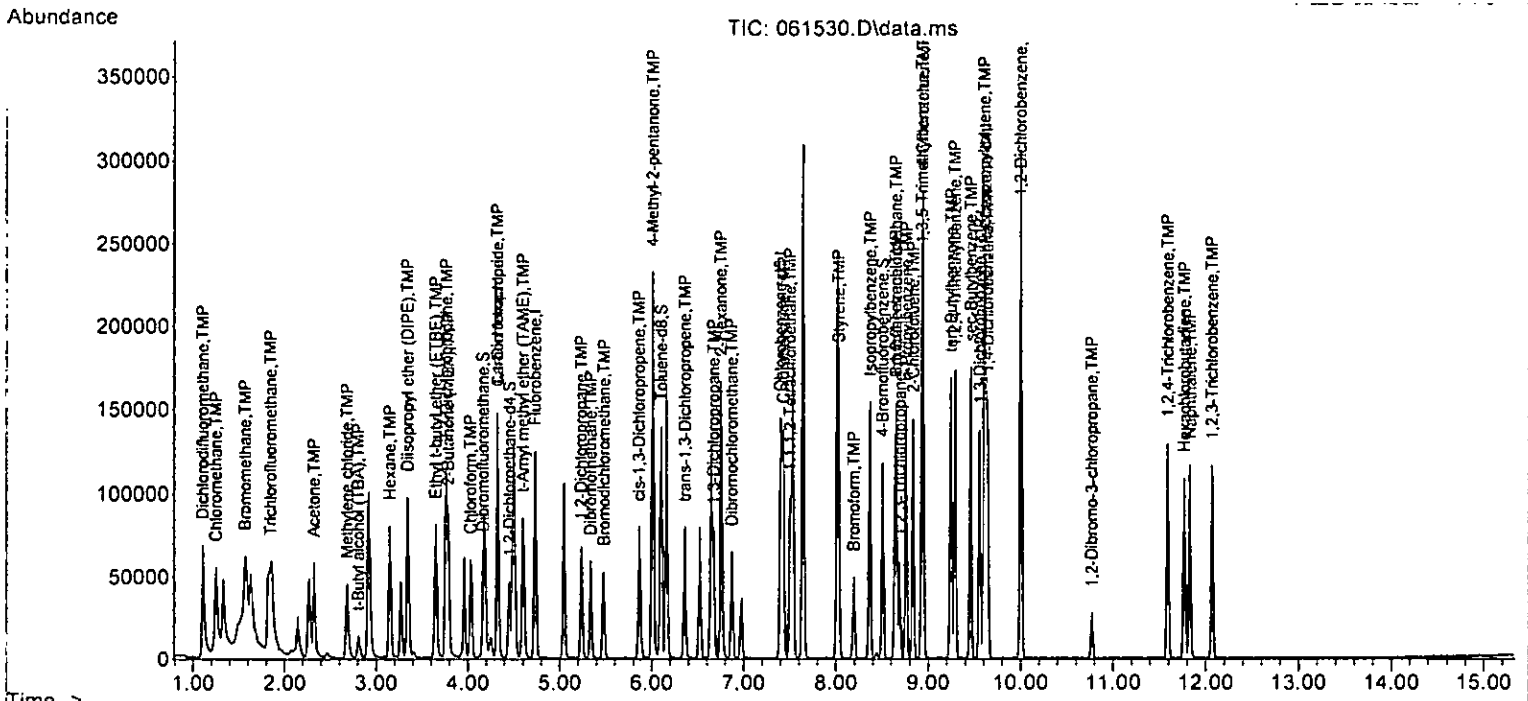
Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via: Initial Calibration
 DataAcq Meth: VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 19651 | 48.850 | ppb | 90 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 32145 | 10.303 | ppb | 100 |
| 40) Toluene | 6.16 | 92 | 55704 | 10.102 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 30314 | 9.830 | ppb | 96 |
| 42) 1,1,2-Trichloroethane | 6.51 | 83 | 16608 | 10.005 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 108614 | 51.057 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 29482 | 10.122 | ppb | 96 |
| 45) Tetrachloroethene | 6.65 | 164 | 27449 | 10.132 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 30462 | 10.628 | ppb | 95 |
| 47) 1,2-Dibromoethane (EDB) | 6.97 | 107 | 24872 | 10.036 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 65670 | 9.853 | ppb | 97 |
| 49) Ethylbenzene | 7.54 | 91 | 103828 | 9.861 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 26504 | 10.062 | ppb | 95 |
| 51) m,p-Xylene | 7.64 | 106 | 86311 | 19.923 | ppb | 99 |
| 52) o-Xylene | 8.01 | 106 | 41470 | 9.851 | ppb | 97 |
| 53) Styrene | 8.03 | 104 | 64327 | 10.142 | ppb | 96 |
| 54) Isopropylbenzene | 8.37 | 105 | 99535 | 10.263 | ppb | 98 |
| 55) Bromoform | 8.19 | 173 | 21032 | 9.782 | ppb | 97 |
| 58) n-Propylbenzene | 8.76 | 91 | 110132 | 9.819 | ppb | 94 |
| 59) Bromobenzene | 8.65 | 156 | 32105 | 9.674 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 84798 | 9.954 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 23374 | 10.187 | ppb | 99 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 18547 | 9.816 | ppb | 97 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 65072 | 9.893 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 78127 | 9.865 | ppb | 99 |
| 65) tert-Butylbenzene | 9.25 | 119 | 81321 | 10.111 | ppb | 94 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 88787 | 9.996 | ppb | 97 |
| 67) sec-Butylbenzene | 9.46 | 105 | 108134 | 9.895 | ppb | 96 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 99343 | 9.914 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 57668 | 9.955 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 58010 | 9.973 | ppb | 98 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 54403 | 9.868 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 5154 | 10.389 | ppb | 88 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 39704 | 10.065 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 23091 | 9.983 | ppb | 90 |
| 75) Naphthalene | 11.83 | 128 | 86658 | 10.003 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 36656 | 9.757 | ppb | 96 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.058 | -0.6 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 10.000 | 10.918 | -9.2 | 100 | 0.00 |
| 5 TMP Chloromethane | 10.000 | 9.626 | 3.7 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 10.000 | 10.292 | -2.9 | 100 | 0.00 |
| 7 TMP Bromomethane | 10.000 | 11.486 | -14.9 | 100 | 0.00 |
| 8 TMP Chloroethane | 10.000 | 10.343 | -3.4 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 10.000 | 9.541 | 4.6 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP Acetone | 50.000 | 48.710 | 2.6 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 10.000 | 10.136 | -1.4 | 100 | 0.00 |
| 13 TMP Hexane | 10.000 | 10.049 | -0.5 | 100 | 0.00 |
| 14 TMP Methylene chloride | 10.000 | 9.937 | 0.6 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 50.000 | 48.599 | 2.8 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 10.000 | 9.944 | 0.6 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 10.000 | 9.989 | 0.1 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 10.000 | 10.150 | -1.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 10.000 | 9.916 | 0.8 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 10.000 | 10.369 | -3.7 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 10.000 | 10.700 | -7.0 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 10.000 | 10.002 | -0.0 | 100 | 0.00 |
| 23 TMP Chloroform | 10.000 | 9.963 | 0.4 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 50.000 | 52.292 | -4.6 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 10.000 | 9.940 | 0.6 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 10.000 | 10.385 | -3.8 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 10.000 | 9.965 | 0.4 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 10.000 | 10.111 | -1.1 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 10.000 | 10.409 | -4.1 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.929 | 0.7 | 100 | 0.00 |
| 31 TMP Benzene | 10.000 | 9.874 | 1.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 10.000 | 10.088 | -0.9 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 10.000 | 9.865 | 1.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 10.000 | 9.870 | 1.3 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.118 | -1.2 | 100 | 0.00 |
| 36 TMP Dibromomethane | 10.000 | 9.863 | 1.4 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 50.000 | 48.850 | 2.3 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 10.000 | 10.303 | -3.0 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 10.000 | 10.102 | -1.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 10.000 | 9.830 | 1.7 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 10.000 | 10.005 | -0.1 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 50.000 | 51.057 | -2.1 | 100 | 0.00 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_&_Trap_Volatiles_Dual_Acquisition
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 10.122 | -1.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 10.132 | -1.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 10.628 | -6.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 10.036 | -0.4 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 9.853 | 1.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.861 | 1.4 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 10.062 | -0.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 19.923 | 0.4 | 100 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 9.851 | 1.5 | 100 | 0.00 |
| 53 TMP Styrene | 10.000 | 10.142 | -1.4 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 10.263 | -2.6 | 100 | 0.00 |
| 55 TMP Bromoform | 10.000 | 9.782 | 2.2 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.016 | -0.2 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 9.819 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 10.000 | 9.674 | 3.3 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 9.954 | 0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 10.187 | -1.9 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.816 | 1.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 9.893 | 1.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.865 | 1.3 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 10.111 | -1.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.996 | 0.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.895 | 1.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.914 | 0.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 9.955 | 0.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.973 | 0.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 9.868 | 1.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 10.389 | -3.9 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 10.065 | -0.6 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 9.983 | 0.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 10.003 | -0.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 9.757 | 2.4 | 100 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge & Trap Volatiles_Dual_Acquisition
~~Qlast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.00 |
| 3 S Dibromofluoromethane | 0.302 | 0.304 | -0.7 | 100 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.890 | -9.2 | 100 | 0.00 |
| 5 TMP Chloromethane | 0.756 | 0.728 | 3.7 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.628 | 0.637 | -1.4 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.508 | -14.9 | 100 | 0.00 |
| 8 TMP Chloroethane | 0.292 | 0.302 | -3.4 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.193 | 4.6 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP Acetone | 0.035 | 0.034 | 2.9 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.266 | 5.7 | 100 | 0.00 |
| 13 TMP Hexane | 0.343 | 0.345 | -0.6 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.225 | 0.223 | 0.9 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.031 | 3.1 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.598 | 0.5 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.258 | 0.4 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.844 | -1.4 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.430 | 0.9 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.276 | -3.8 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.296 | 1.7 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.280 | 0.0 | 100 | 0.00 |
| 23 TMP Chloroform | 0.454 | 0.452 | 0.4 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.190 | -5.0 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.579 | 0.5 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.395 | 10.6 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.444 | 0.2 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.326 | -1.2 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.424 | -3.9 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.906 | 1.3 | 100 | 0.00 |
| 32 TMP Trichloroethene | 0.319 | 0.310 | 2.8 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.231 | 1.3 | 100 | 0.00 |
| 34 TMP Bromodichloromethane | 0.335 | 0.331 | 1.2 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 0.970 | -1.1 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.166 | 1.2 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.045 | 4.3 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.372 | -3.0 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.768 | 7.6 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.418 | 1.6 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.229 | 0.0 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.299 | -2.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061530.D
 Acq On : 15 Jun 2023 07:25 pm
 Operator : MD
 Sample : 10 ppb 8260 ICAL 69-113n
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:28 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response Via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.406 | -1.0 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.378 | 4.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.420 | -6.3 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.343 | 5.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.905 | 1.5 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.431 | 1.4 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.365 | -0.6 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.595 | 0.3 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.572 | 1.4 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.887 | -1.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.372 | -2.6 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.290 | 2.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.759 | -0.1 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.714 | 1.8 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.791 | 3.3 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.089 | 0.5 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.576 | 3.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.457# | 1.9 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.603 | 1.1 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.925 | 1.3 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.004 | -1.1 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.188 | 0.0 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.664 | 1.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.448 | 0.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.421 | 0.4 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.429 | 0.3 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.340 | 1.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.127 | -4.1 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.978 | -0.6 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.569 | 0.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.135 | 0.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.903 | 2.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition~~
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85120 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 71131 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 40914 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 26493 | 10.306 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.10% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5323 | 10.020 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 100.20% | | |
| 35) Toluene-d8 | 6.11 | 98 | 83050 | 10.172 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 101.70% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29595 | 9.548 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 95.50% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.33 | 45 | 819 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 137786 | 19.856 | ppb | | 96 |
| 5) Chloromethane | 1.26 | 50 | 122785 | 19.073 | ppb | | 98 |
| 6] Vinyl chloride | 1.34 | 62 | 102927 | 19.540 | ppb | | 95 |
| 7) Bromomethane | 1.58 | 94 | 76078 | 20.218 | ppb | | 89 |
| 8] Chloroethane | 1.65 | 64 | 48887 | 19.674 | ppb | | 93 |
| 9) Trichlorofluoromethane | 1.84 | 101 | 216121 | 20.307 | ppb | | 95 |
| 10) 2-Propanol | 2.33 | 45 | 819 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 28953 | 96.463 | ppb | # | 84 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 44310 | 19.837 | ppb | | 89 |
| 13) Hexane | 3.16 | 57 | 55412 | 18.970 | ppb | | 98 |
| 14) Methylene chloride | 2.69 | 84 | 37679 | 19.700 | ppb | | 96 |
| 15) t-Butyl alcohol (TBA) | 2.82 | 59 | 28092 | 102.307 | ppb | | 96 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 100611 | 19.660 | ppb | | 96 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 43507 | 19.765 | ppb | | 95 |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 141487 | 19.990 | ppb | | 95 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 72873 | 19.743 | ppb | | 92 |
| 20) Ethyl t-butyl ether (E...) | 3.66 | 87 | 46534 | 20.569 | ppb | | 90 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 44566 | 19.006 | ppb | | 94 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 47306 | 19.874 | ppb | | 90 |
| 23) Chloroform | 4.04 | 83 | 75651 | 19.582 | ppb | | 97 |
| 24) 2-Butanone (MEK) | 3.80 | 43 | 158961 | 103.006 | ppb | | 98 |
| 25) t-Amyl methyl ether (T...) | 4.61 | 73 | 98033 | 19.783 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 66016 | 20.417 | ppb | | 94 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 74578 | 19.671 | ppb | | 95 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 54264 | 19.769 | ppb | | 97 |
| 29) Carbon tetrachloride | 4.33 | 117 | 68207 | 19.661 | ppb | | 97 |
| 31] Benzene | 4.50 | 78 | 152709 | 19.549 | ppb | | 94 |
| 32] Trichloroethene | 5.05 | 95 | 50804 | 19.414 | ppb | # | 71 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 37854 | 18.992 | ppb | | 98 |
| 34) Bromodichloromethane | 5.48 | 83 | 58220 | 20.419 | ppb | | 97 |
| 36) Dibromomethane | 5.34 | 93 | 29290 | 20.491 | ppb | | 96 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

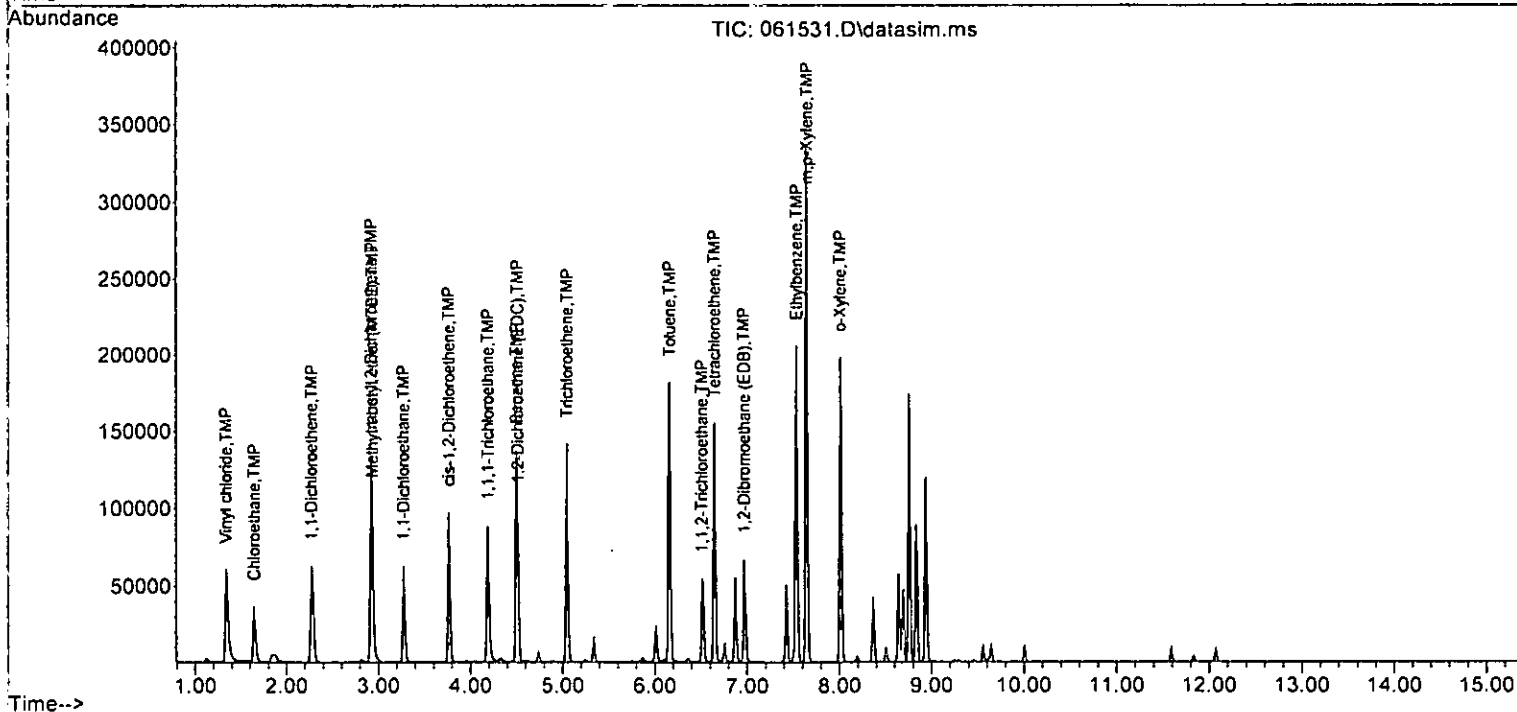
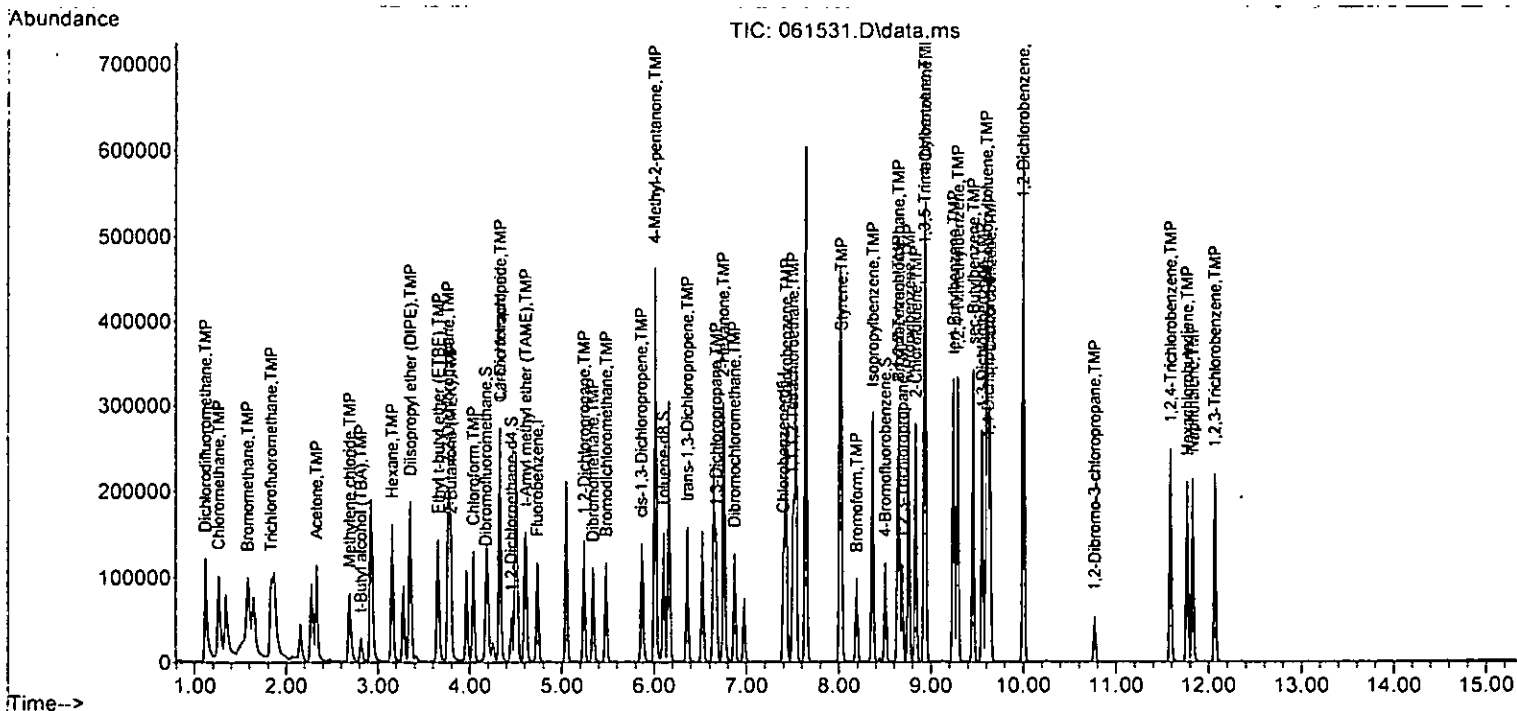
Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 40241 | 101.642 | ppb | 91 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 62793 | 20.449 | ppb | 94 |
| 40] Toluene | 6.16 | 92 | 108186 | 20.019 | ppb | 90 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 60581 | 20.031 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 31992 | 19.652 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 212759 | 101.981 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 56064 | 19.627 | ppb | 97 |
| 45] Tetrachloroethene | 6.65 | 164 | 53724 | 20.230 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 57137 | 20.327 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 48798 | 20.083 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 129541 | 19.818 | ppb | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 202109 | 19.573 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 50910 | 19.708 | ppb | 97 |
| 51] m,p-Xylene | 7.65 | 106 | 166496 | 39.187 | ppb # | 77 |
| 52] o-Xylene | 8.01 | 106 | 80833 | 19.580 | ppb | 97 |
| 53) Styrene | 8.03 | 104 | 124317 | 19.987 | ppb | 97 |
| 54) Isopropylbenzene | 8.37 | 105 | 191040 | 20.085 | ppb | 100 |
| 55) Bromoform | 8.19 | 173 | 41605 | 19.730 | ppb | 95 |
| 58) n-Propylbenzene | 8.76 | 91 | 214419 | 18.963 | ppb | 92 |
| 59) Bromobenzene | 8.65 | 156 | 62711 | 18.746 | ppb | 95 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 165087 | 19.224 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 45594 | 19.791 | ppb | 97 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 35603 | 18.691 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 127044 | 19.160 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 150256 | 18.820 | ppb | 99 |
| 65) tert-Butylbenzene | 9.25 | 119 | 156103 | 19.253 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.30 | 105 | 170538 | 19.046 | ppb | 96 |
| 67) sec-Butylbenzene | 9.46 | 105 | 213594 | 19.388 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 194184 | 19.223 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 110798 | 18.974 | ppb | 97 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 110995 | 18.928 | ppb | 100 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 106300 | 19.126 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 9494 | 18.985 | ppb | 90 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 75342 | 18.946 | ppb | 99 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 43658 | 18.724 | ppb | 94 |
| 75) Naphthalene | 11.83 | 128 | 168176 | 19.257 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 69250 | 18.284 | ppb | 99 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual-Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-113o
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_&_Trap_Volatiles_Dual_Acquisition
~~Quant Title : 8260_Purge_&_Trap_Volatiles_Dual_Acquisition~~
~~QLast Update : Fri Jun 16 07:37:11 2023~~

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 3 S Dibromofluoromethane | 10.000 | 10.306 | -3.1 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 20.000 | 19.856 | 0.7 | 100 | 0.01 |
| 5 TMP Chloromethane | 20.000 | 19.073 | 4.6 | 100 | 0.01 |
| 6 TMP Vinyl chloride | 20.000 | 19.540 | 2.3 | 100 | 0.01 |
| 7 TMP Bromomethane | 20.000 | 20.218 | -1.1 | 100 | 0.01 |
| 8 TMP Chloroethane | 20.000 | 19.674 | 1.6 | 100 | 0.01 |
| 9 TMP Trichlorofluoromethane | 20.000 | 20.307 | -1.5 | 100 | 0.00 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP Acetone | 100.000 | 96.463 | 3.5 | 100 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 20.000 | 19.837 | 0.8 | 100 | 0.01 |
| 13 TMP Hexane | 20.000 | 18.970 | 5.2 | 100 | 0.01 |
| 14 TMP Methylene chloride | 20.000 | 19.700 | 1.5 | 100 | 0.01 |
| 15 TMP t-Butyl alcohol (TBA) | 100.000 | 102.307 | -2.3 | 100 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 20.000 | 19.660 | 1.7 | 100 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 20.000 | 19.765 | 1.2 | 100 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 20.000 | 19.990 | 0.1 | 100 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 20.000 | 19.743 | 1.3 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 20.000 | 20.569 | -2.8 | 100 | 0.01 |
| 21 TMP 2,2-Dichloropropane | 20.000 | 19.006 | 5.0 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 20.000 | 19.874 | 0.6 | 100 | 0.01 |
| 23 TMP Chloroform | 20.000 | 19.582 | 2.1 | 100 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 100.000 | 103.006 | -3.0 | 100 | 0.01 |
| 25 TMP t-Amyl methyl ether (TAME) | 20.000 | 19.783 | 1.1 | 100 | 0.01 |
| 26 TMP 1,2-Dichloroethane (EDC) | 20.000 | 20.417 | -2.1 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 20.000 | 19.671 | 1.6 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 20.000 | 19.769 | 1.2 | 100 | 0.01 |
| 29 TMP Carbon tetrachloride | 20.000 | 19.661 | 1.7 | 100 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.020 | -0.2 | 100 | 0.00 |
| 31 TMP Benzene | 20.000 | 19.549 | 2.3 | 100 | 0.01 |
| 32 TMP Trichloroethene | 20.000 | 19.414 | 2.9 | 100 | 0.01 |
| 33 TMP 1,2-Dichloropropane | 20.000 | 18.992 | 5.0 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 20.000 | 20.419 | -2.1 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.172 | -1.7 | 100 | 0.00 |
| 36 TMP Dibromomethane | 20.000 | 20.491 | -2.5 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 100.000 | 101.642 | -1.6 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 20.000 | 20.449 | -2.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 20.000 | 20.019 | -0.1 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 20.000 | 20.031 | -0.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 20.000 | 19.652 | 1.7 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 100.000 | 101.981 | -2.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Qlast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 20.000 | 19.627 | 1.9 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 20.000 | 20.230 | -1.2 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 20.000 | 20.327 | -1.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 20.000 | 20.083 | -0.4 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 20.000 | 19.818 | 0.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 20.000 | 19.573 | 2.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 20.000 | 19.708 | 1.5 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 40.000 | 39.187 | 2.0 | 100 | 0.01 |
| 52 TMP o-Xylene | 20.000 | 19.580 | 2.1 | 100 | 0.00 |
| 53 TMP Styrene | 20.000 | 19.987 | 0.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 20.000 | 20.085 | -0.4 | 100 | 0.00 |
| 55 TMP Bromoform | 20.000 | 19.730 | 1.3 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 10.000 | 9.548 | 4.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 20.000 | 18.963 | 5.2 | 100 | 0.00 |
| 59 TMP Bromobenzene | 20.000 | 18.746 | 6.3 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 20.000 | 19.224 | 3.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 20.000 | 19.791 | 1.0 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 20.000 | 18.691 | 6.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 20.000 | 19.160 | 4.2 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 20.000 | 18.820 | 5.9 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 20.000 | 19.253 | 3.7 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 20.000 | 19.046 | 4.8 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 20.000 | 19.388 | 3.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 20.000 | 19.223 | 3.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 20.000 | 18.974 | 5.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 20.000 | 18.928 | 5.4 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 20.000 | 19.126 | 4.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 20.000 | 18.985 | 5.1 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 20.000 | 18.946 | 5.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 20.000 | 18.724 | 6.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 20.000 | 19.257 | 3.7 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 20.000 | 18.284 | 8.6 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.01 |
| 3 S Dibromofluoromethane | 0.302 | 0.311 | -3.0 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.809 | 0.7 | 100 | 0.01 |
| 5 TMP Chloromethane | 0.756 | 0.721 | 4.6 | 100 | 0.01 |
| 6 TMP Vinyl chloride | 0.628 | 0.605 | 3.7 | 100 | 0.01 |
| 7 TMP Bromomethane | 0.442 | 0.447 | -1.1 | 100 | 0.01 |
| 8 TMP Chloroethane | 0.292 | 0.287 | 1.7 | 100 | 0.01 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.270 | -1.6 | 100 | 0.00 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP Acetone | 0.035 | 0.034 | 2.9 | 100 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.260 | 7.8 | 100 | 0.01 |
| 13 TMP Hexane | 0.343 | 0.325 | 5.2 | 100 | 0.01 |
| 14 TMP Methylene chloride | 0.225 | 0.221 | 1.8 | 100 | 0.01 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.033 | -3.1 | 100 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.591 | 1.7 | 100 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.256 | 1.2 | 100 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.831 | 0.1 | 100 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.428 | 1.4 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.273 | -2.6 | 100 | 0.01 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.262 | 13.0 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.278 | 0.7 | 100 | 0.01 |
| 23 TMP Chloroform | 0.454 | 0.444 | 2.2 | 100 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.187 | -3.3 | 100 | 0.01 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.576 | 1.0 | 100 | 0.01 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.388 | 12.2 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.438 | 1.6 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.319 | 0.9 | 100 | 0.01 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.401 | 1.7 | 100 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.063 | -1.6 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.897 | 2.3 | 100 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.298 | 6.6 | 100 | 0.01 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.222 | 5.1 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 0.335 | 0.342 | -2.1 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 0.976 | -1.8 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.172 | -2.4 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.047 | 0.0 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.369 | -2.2 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.760 | 8.5 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.426 | -0.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.225 | 1.7 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.299 | -2.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061531.D
 Acq On : 15 Jun 2023 07:48 pm
 Operator : MD
 Sample : 20 ppb 8260 ICAL 69-1130
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:32 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.394 | 2.0 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.378 | 4.5 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.402 | -1.8 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.343 | 5.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.911 | 0.9 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.421 | 2.1 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.358 | 1.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.585 | 2.0 | 100 | 0.01 |
| 52 TMP o-Xylene | 0.580 | 0.568 | 2.1 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.874 | 0.0 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.343 | -0.4 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.292 | 1.4 | 100 | 0.00 |
| ----- | | | | | |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.723 | 4.6 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.620 | 5.2 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.766 | 6.4 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.017 | 3.9 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.557 | 7.0 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.435# | 6.7 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.553 | 4.2 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.836 | 5.9 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.908 | 3.7 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.084 | 4.8 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.610 | 3.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.373 | 3.9 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.354 | 5.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.356 | 5.4 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.299 | 4.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.116 | 4.9 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.921 | 5.2 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.534 | 6.3 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.055 | 3.7 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.846 | 8.6 | 100 | 0.00 |

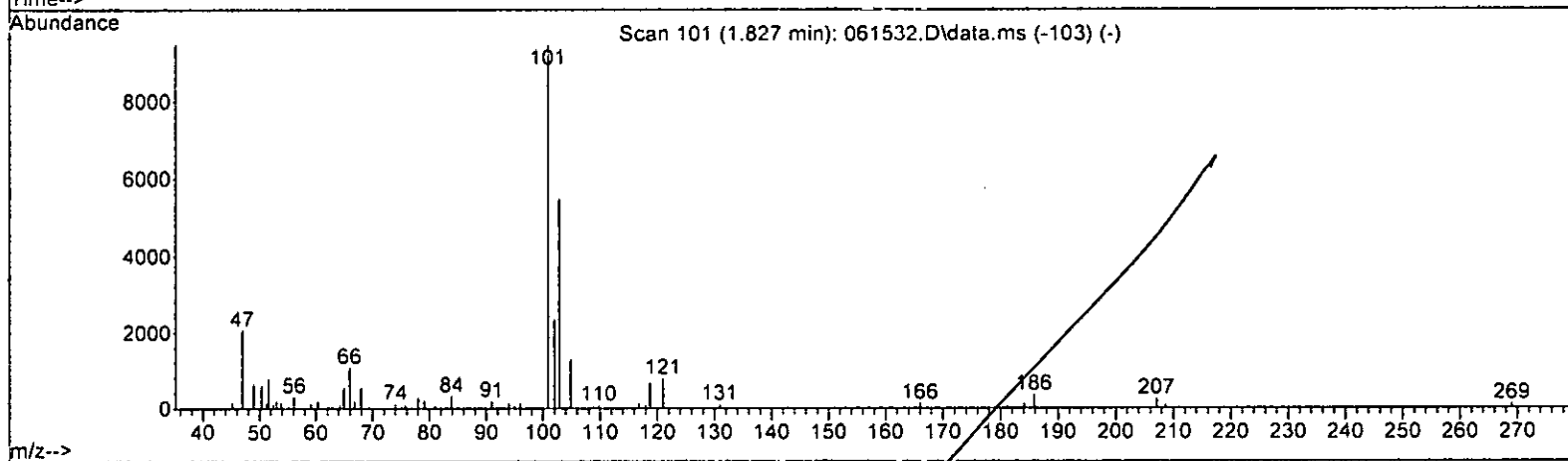
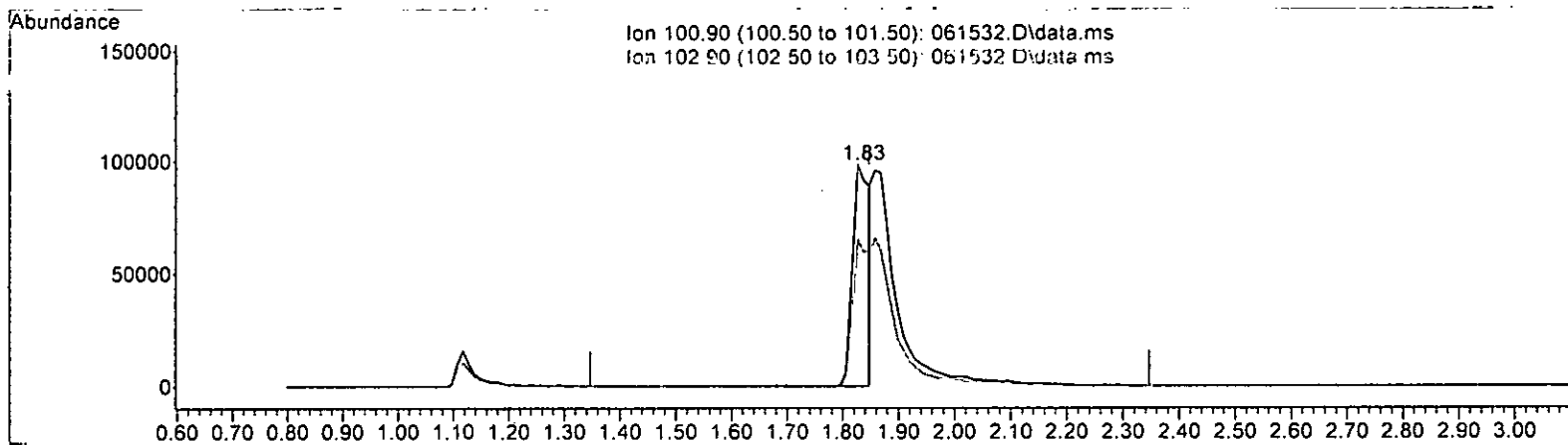
(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast-Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061532.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.020) 19.555 ppb

response 207869

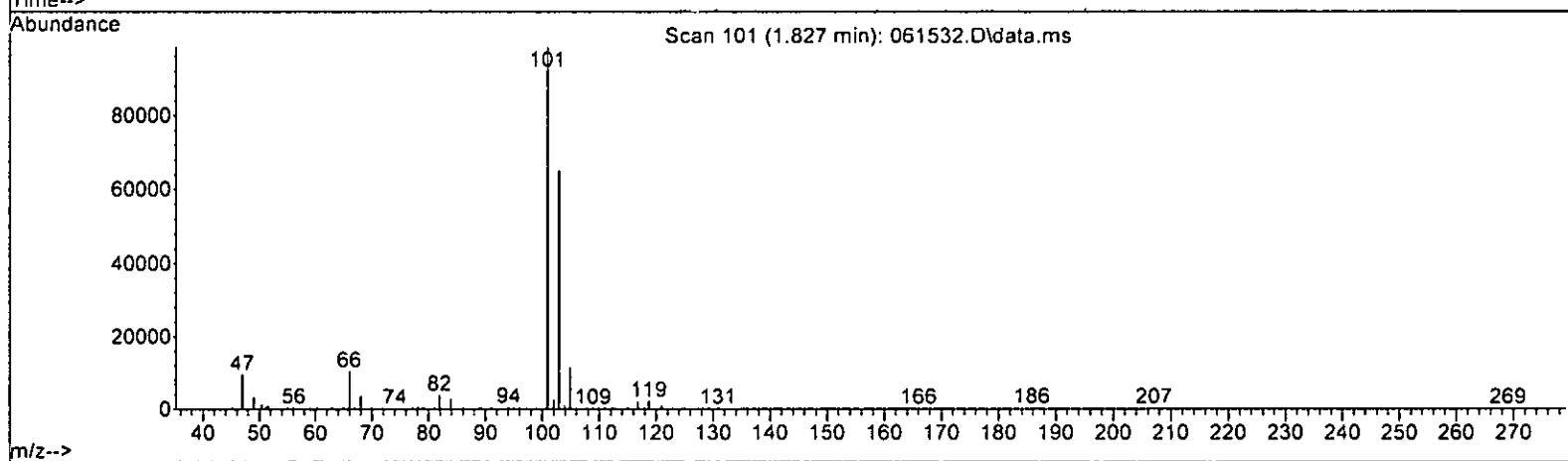
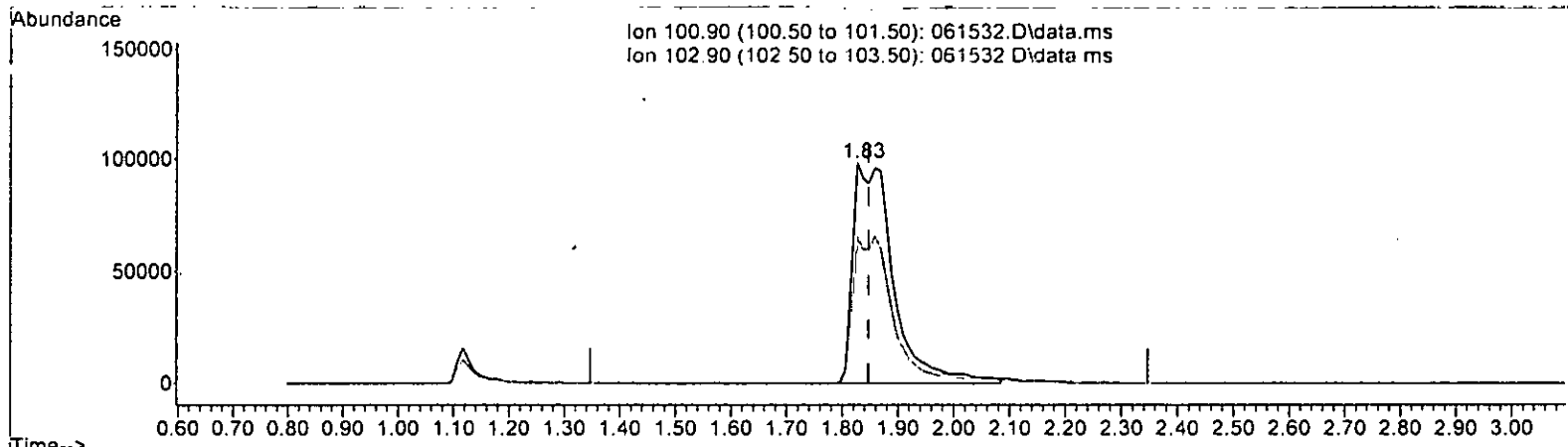
| Ion | Exp% | Act% |
|--------|--------|--------|
| 100.90 | 100.00 | 100.00 |
| 102.90 | 61.70 | 66.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD/16

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061532.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.020) 49.574 ppb m

response 526976

| Ion | Exp% | Act% |
|--------|--------|--------|
| 100.90 | 100.00 | 100.00 |
| 102.90 | 61.70 | 66.11 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD/10

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85020 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 70889 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39856 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Oibromofluoromethane | 4.17 | 113 | 26391 | 10.278 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 102.80% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5337 | 10.059 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 100.60% | | |
| 35) Toluene-d8 | 6.10 | 98 | 81976 | 10.053 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 100.50% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29489 | 9.767 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 97.70% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.33 | 45 | 1549 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 352441 | 50.850 | ppb | | 97 |
| 5) Chloromethane | 1.26 | 50 | 310840 | 48.343 | ppb | | 97 |
| 6] Vinyl chloride | 1.34 | 62 | 253188 | 48.125 | ppb | | 98 |
| 7) Bromomethane | 1.58 | 94 | 173632 | 46.198 | ppb | | 99 |
| 8] Chloroethane | 1.64 | 64 | 119938 | 48.325 | ppb | | 98 |
| 9) Trichlorofluoromethane | 1.83 | 101 | 526976m | 49.574 | ppb | | |
| 10) 2-Propanol | 2.33 | 45 | 1549 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 78052 | 260.353 | ppb | | 99 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 107954 | 48.401 | ppb | | 99 |
| 13) Hexane | 3.16 | 57 | 142620 | 48.882 | ppb | | 98 |
| 14) Methylene chloride | 2.68 | 84 | 89602 | 46.902 | ppb | | 98 |
| 15) t-Butyl alcohol (TBA) | 2.82 | 59 | 67870 | 247.463 | ppb | | 92 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 244358 | 47.805 | ppb | | 93 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 107148 | 48.734 | ppb | | 87 |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 348716 | 49.327 | ppb | | 94 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 178496 | 48.416 | ppb | | 95 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 114313 | 50.589 | ppb | | 94 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 122295 | 52.429 | ppb | | 97 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 116227 | 48.886 | ppb | | 85 |
| 23) Chloroform | 4.04 | 83 | 186831 | 48.418 | ppb | | 95 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 382192 | 247.950 | ppb | | 99 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 237284 | 47.940 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 160076 | 49.600 | ppb | | 95 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 183020 | 48.330 | ppb | | 97 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 134312 | 48.989 | ppb | | 96 |
| 29) Carbon tetrachloride | 4.33 | 117 | 169335 | 48.870 | ppb | | 98 |
| 31] Benzene | 4.50 | 78 | 372775 | 47.778 | ppb | | 93 |
| 32] Trichloroethene | 5.04 | 95 | 126942 | 48.575 | ppb | | 97 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 95180 | 47.809 | ppb | | 97 |
| 34) Bromodichloromethane | 5.48 | 83 | 143404 | 50.354 | ppb | | 99 |
| 36) Dibromomethane | 5.34 | 93 | 70639 | 49.477 | ppb | | 93 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

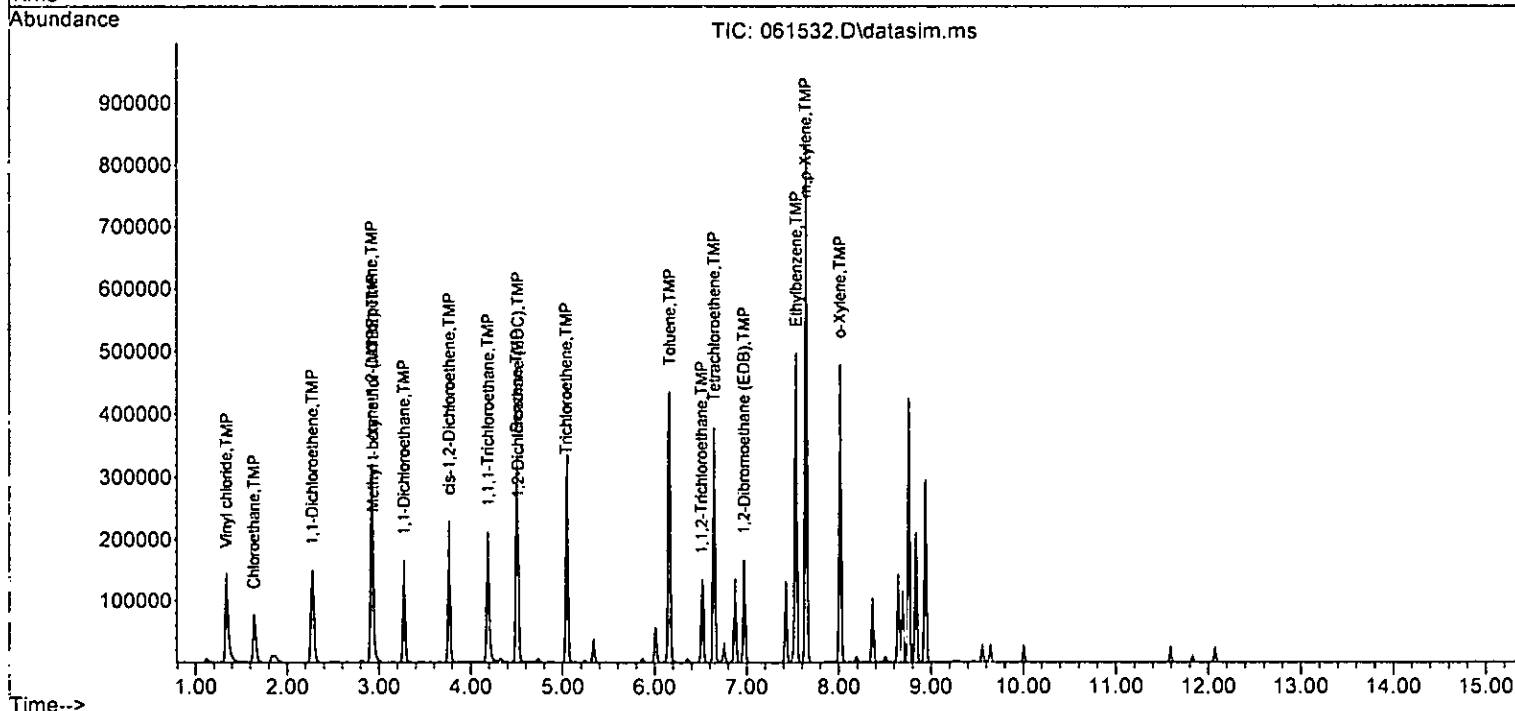
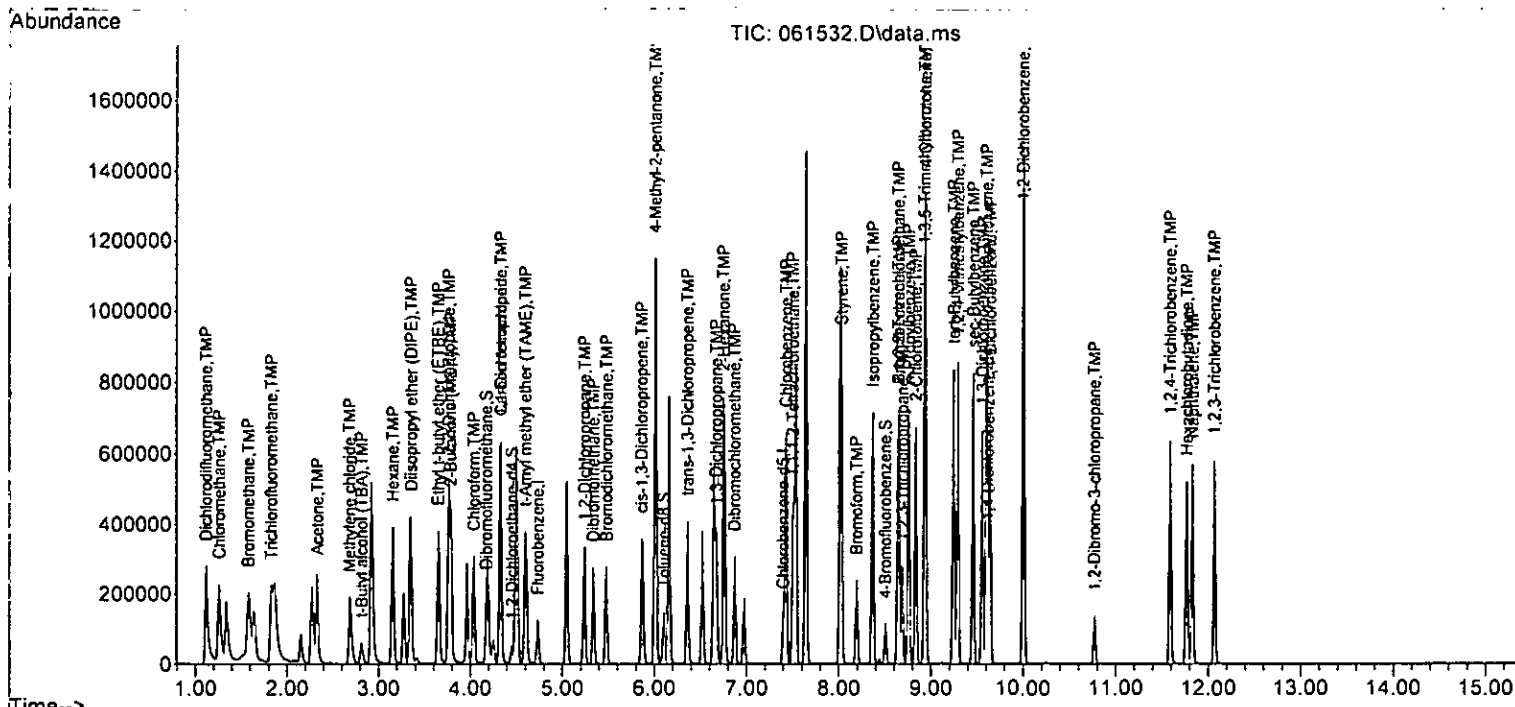
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 96035 | 242.853 | ppb | 94 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 156285 | 50.954 | ppb | 95 |
| 40) Toluene | 6.16 | 92 | 267664 | 49.720 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 150266 | 49.855 | ppb | 98 |
| 42) 1,1,2-Trichloroethane | 6.51 | 83 | 79541 | 49.027 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 519213 | 249.722 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 139445 | 48.985 | ppb | 98 |
| 45) Tetrachloroethene | 6.65 | 164 | 131412 | 49.665 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 144431 | 51.558 | ppb | 100 |
| 47) 1,2-Dibromoethane (EDB) | 6.97 | 107 | 119481 | 49.348 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 322311 | 49.478 | ppb | 95 |
| 49) Ethylbenzene | 7.54 | 91 | 495681 | 48.168 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 130738 | 50.784 | ppb | 92 |
| 51) m,p-Xylene | 7.64 | 106 | 404129 | 95.443 | ppb | 99 |
| 52) o-Xylene | 8.01 | 106 | 197807 | 48.079 | ppb | 97 |
| 53) Styrene | 8.03 | 104 | 311117 | 50.190 | ppb | 97 |
| 54) Isopropylbenzene | 8.37 | 105 | 466824 | 49.247 | ppb | 100 |
| 55) Bromoform | 8.19 | 173 | 103774 | 49.381 | ppb | 99 |
| 58) n-Propylbenzene | 8.76 | 91 | 527046 | 47.848 | ppb | 91 |
| 59) Bromobenzene | 8.65 | 156 | 157360 | 48.287 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 404880 | 48.398 | ppb | 100 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 107530 | 48.034 | ppb | 99 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 87479 | 47.145 | ppb | 96 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 308167 | 47.710 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 367451 | 47.245 | ppb | 98 |
| 65) tert-Butylbenzene | 9.25 | 119 | 378429 | 47.913 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 428727 | 49.153 | ppb | 98 |
| 67) sec-Butylbenzene | 9.46 | 105 | 520650 | 48.515 | ppb | 95 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 480298 | 48.808 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 276762 | 48.652 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 278133 | 48.690 | ppb | 98 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 261268 | 48.257 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 23557 | 48.356 | ppb | 91 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 192399 | 49.665 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 108874 | 47.932 | ppb | 93 |
| 75) Naphthalene | 11.83 | 128 | 429619 | 50.499 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 179995 | 48.787 | ppb | 97 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|---------|---------|------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 3 S | Dibromofluoromethane | 10.000 | 10.278 | -2.8 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 50.000 | 50.850 | -1.7 | 100 | 0.01 |
| 5 TMP | Chloromethane | 50.000 | 48.343 | 3.3 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 50.000 | 48.125 | 3.8 | 100 | 0.01 |
| 7 TMP | Bromomethane | 50.000 | 46.198 | 7.6 | 100 | 0.01 |
| 8 TMP | Chloroethane | 50.000 | 48.325 | 3.3 | 100 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 50.000 | 49.574 | 0.9 | 100 | -0.02 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP | Acetone | 250.000 | 260.353 | -4.1 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 50.000 | 48.401 | 3.2 | 100 | 0.01 |
| 13 TMP | Hexane | 50.000 | 48.882 | 2.2 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 50.000 | 46.902 | 6.2 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 250.000 | 247.463 | 1.0 | 100 | 0.01 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 50.000 | 47.805 | 4.4 | 100 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 50.000 | 48.734 | 2.5 | 100 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 50.000 | 49.327 | 1.3 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 50.000 | 48.416 | 3.2 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 50.000 | 50.589 | -1.2 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 50.000 | 52.429 | -4.9 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 50.000 | 48.886 | 2.2 | 100 | 0.01 |
| 23 TMP | Chloroform | 50.000 | 48.418 | 3.2 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 250.000 | 247.950 | 0.8 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 50.000 | 47.940 | 4.1 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 50.000 | 49.600 | 0.8 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 50.000 | 48.330 | 3.3 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 50.000 | 48.989 | 2.0 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 50.000 | 48.870 | 2.3 | 100 | 0.01 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.059 | -0.6 | 100 | 0.00 |
| 31 TMP | Benzene | 50.000 | 47.778 | 4.4 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 50.000 | 48.575 | 2.8 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 50.000 | 47.809 | 4.4 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 50.000 | 50.354 | -0.7 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.053 | -0.5 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 50.000 | 49.477 | 1.0 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 250.000 | 242.853 | 2.9 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 50.000 | 50.954 | -1.9 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 50.000 | 49.720 | 0.6 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 50.000 | 49.855 | 0.3 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 50.000 | 49.027 | 1.9 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 250.000 | 249.722 | 0.1 | 100 | 0.00 |

Data Path : Y:\Proc_GCMS13\06-15-23\
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 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge & Trap_Volatiles_Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----|---------------------------------|---------|--------|------|-------|----------|
| 44 | TMP 1,3-Dichloropropane | 50.000 | 48.985 | 2.0 | 100 | 0.00 |
| 45 | TMP Tetrachloroethene | 50.000 | 49.665 | 0.7 | 100 | 0.00 |
| 46 | TMP Dibromochloromethane | 50.000 | 51.558 | -3.1 | 100 | 0.00 |
| 47 | TMP 1,2-Dibromoethane (EDB) | 50.000 | 49.348 | 1.3 | 100 | 0.00 |
| 48 | TMP Chlorobenzene | 50.000 | 49.478 | 1.0 | 100 | 0.00 |
| 49 | TMP Ethylbenzene | 50.000 | 48.168 | 3.7 | 100 | 0.00 |
| 50 | TMP 1,1,1,2-Tetrachloroethane | 50.000 | 50.784 | -1.6 | 100 | 0.00 |
| 51 | TMP m,p-Xylene | 100.000 | 95.443 | 4.6 | 100 | 0.00 |
| 52 | TMP o-Xylene | 50.000 | 48.079 | 3.8 | 100 | 0.00 |
| 53 | TMP Styrene | 50.000 | 50.190 | -0.4 | 100 | 0.00 |
| 54 | TMP Isopropylbenzene | 50.000 | 49.247 | 1.5 | 100 | 0.00 |
| 55 | TMP Bromoform | 50.000 | 49.381 | 1.2 | 100 | 0.00 |
| 56 | I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 | S 4-Bromofluorobenzene | 10.000 | 9.767 | 2.3 | 100 | 0.00 |
| 58 | TMP n-Propylbenzene | 50.000 | 47.848 | 4.3 | 100 | 0.00 |
| 59 | TMP Bromobenzene | 50.000 | 48.287 | 3.4 | 100 | 0.00 |
| 60 | TMP 1,3,5-Trimethylbenzene | 50.000 | 48.398 | 3.2 | 100 | 0.00 |
| 61 | TMP 1,1,2,2-Tetrachloroethane | 50.000 | 48.034 | 3.9 | 100 | 0.00 |
| 62 | TMP 1,2,3-Trichloropropane | 50.000 | 47.145 | 5.7 | 100 | 0.00 |
| 63 | TMP 2-Chlorotoluene | 50.000 | 47.710 | 4.6 | 100 | 0.00 |
| 64 | TMP 4-Chlorotoluene | 50.000 | 47.245 | 5.5 | 100 | 0.00 |
| 65 | TMP tert-Butylbenzene | 50.000 | 47.913 | 4.2 | 100 | 0.00 |
| 66 | TMP 1,2,4-Trimethylbenzene | 50.000 | 49.153 | 1.7 | 100 | 0.00 |
| 67 | TMP sec-Butylbenzene | 50.000 | 48.515 | 3.0 | 100 | 0.00 |
| 68 | TMP p-Isopropyltoluene | 50.000 | 48.808 | 2.4 | 100 | 0.00 |
| 69 | TMP 1,3-Dichlorobenzene | 50.000 | 48.652 | 2.7 | 100 | 0.00 |
| 70 | TMP 1,4-Dichlorobenzene | 50.000 | 48.690 | 2.6 | 100 | 0.00 |
| 71 | TMP 1,2-Dichlorobenzene | 50.000 | 48.257 | 3.5 | 100 | 0.00 |
| 72 | TMP 1,2-Dibromo-3-chloropropane | 50.000 | 48.356 | 3.3 | 100 | 0.00 |
| 73 | TMP 1,2,4-Trichlorobenzene | 50.000 | 49.665 | 0.7 | 100 | 0.00 |
| 74 | TMP Hexachlorobutadiene | 50.000 | 47.932 | 4.1 | 100 | 0.00 |
| 75 | TMP Naphthalene | 50.000 | 50.499 | -1.0 | 100 | 0.00 |
| 76 | TMP 1,2,3-Trichlorobenzene | 50.000 | 48.787 | 2.4 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.01 |
| 3 S Dibromofluoromethane | 0.302 | 0.310 | -2.6 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.829 | -1.7 | 100 | 0.01 |
| 5 TMP Chloromethane | 0.756 | 0.731 | 3.3 | 100 | 0.01 |
| 6 TMP Vinyl chloride | 0.628 | 0.596 | 5.1 | 100 | 0.01 |
| 7 TMP Bromomethane | 0.442 | 0.408 | 7.7 | 100 | 0.01 |
| 8 TMP Chloroethane | 0.292 | 0.282 | 3.4 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.240 | 0.8 | 100 | -0.02 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP Acetone | 0.035 | 0.037 | -5.7 | 100 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.254 | 9.9 | 100 | 0.01 |
| 13 TMP Hexane | 0.343 | 0.335 | 2.3 | 100 | 0.01 |
| 14 TMP Methylene chloride | 0.225 | 0.211 | 6.2 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.032 | 0.0 | 100 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.575 | 4.3 | 100 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.252 | 2.7 | 100 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.820 | 1.4 | 100 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.420 | 3.2 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.269 | -1.1 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.288 | 4.3 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.273 | 2.5 | 100 | 0.01 |
| 23 TMP Chloroform | 0.454 | 0.439 | 3.3 | 100 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.180 | 0.6 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.558 | 4.1 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.377 | 14.7 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.431 | 3.1 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.316 | 1.9 | 100 | 0.01 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.398 | 2.5 | 100 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.063 | -1.6 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.877 | 4.5 | 100 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.299 | 6.3 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.224 | 4.3 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 0.335 | 0.337 | -0.6 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 0.964 | -0.5 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.166 | 1.2 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.045 | 4.3 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.368 | -1.9 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.755 | 9.1 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.424 | 0.2 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.224 | 2.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.293 | 0.0 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061532.D
 Acq On : 15 Jun 2023 08:11 pm
 Operator : MD
 Sample : 50 ppb 8260 ICAL 69-113q
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:36 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-&Trap-Volatiles-Dual-Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.393 | 2.2 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.371 | 6.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.407 | -3.0 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.337 | 6.9 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.909 | 1.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.398 | 3.7 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.369 | -1.7 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.570 | 4.5 | 100 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.558 | 3.8 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.878 | -0.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.317 | 1.5 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.293 | 1.0 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.740 | 2.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.645 | 4.3 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.790 | 3.4 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.032 | 3.2 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.540 | 9.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.439# | 5.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.546 | 4.6 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.844 | 5.5 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.899 | 4.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.151 | 1.7 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.613 | 3.0 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.410 | 2.4 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.389 | 2.7 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.396 | 2.6 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.311 | 3.5 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.118 | 3.3 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.965 | 0.7 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.546 | 4.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.156 | -1.0 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.903 | 2.5 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 80875 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 69371 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38648 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 24735 | 10.127 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 101.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5083 | 10.071 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 84 - 120 | Recovery | = | 100.70% | |
| 35) Toluene-d8 | 6.10 | 98 | 81191 | 10.467 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 73 - 128 | Recovery | = | 104.70% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28575 | 9.760 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 57 - 146 | Recovery | = | 97.60% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.32 | 45 | 3068 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 715881 | 108.580 | ppb | | 96 |
| 5) Chloromethane | 1.25 | 50 | 632502 | 103.410 | ppb | | 100 |
| 6] Vinyl chloride | 1.33 | 62 | 508375 | 101.584 | ppb | | 95 |
| 7) Bromomethane | 1.58 | 94 | 367524 | 102.798 | ppb | | 90 |
| 8] Chloroethane | 1.64 | 64 | 240761 | 101.978 | ppb | | 92 |
| 9) Trichlorofluoromethane | 1.86 | 101 | 1088270 | 107.624 | ppb | | 94 |
| 10) 2-Propanol | 2.32 | 45 | 3068 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 136162 | 477.465 | ppb | # | 65 |
| 12] 1,1-Dichloroethene | 2.26 | 96 | 210774 | 99.356 | ppb | | 89 |
| 13) Hexane | 3.15 | 57 | 291469 | 105.019 | ppb | | 97 |
| 14) Methylene chloride | 2.68 | 84 | 176935 | 97.363 | ppb | | 95 |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 131044 | 502.291 | ppb | | 93 |
| 16] Methyl t-butyl ether (...) | 2.92 | 73 | 471480 | 96.965 | ppb | | 97 |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 205268 | 98.147 | ppb | | 98 |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 669577 | 99.568 | ppb | | 96 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 341733 | 97.444 | ppb | | 99 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 216506 | 100.724 | ppb | | 94 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 245127 | 110.609 | ppb | | 97 |
| 22] cis-1,2-Dichloroethene | 3.76 | 96 | 221409 | 97.898 | ppb | | 98 |
| 23) Chloroform | 4.03 | 83 | 360358 | 98.175 | ppb | | 96 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 731974 | 499.211 | ppb | | 100 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 457200 | 97.106 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 306117 | 99.737 | ppb | | 97 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 352427 | 97.836 | ppb | | 99 |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 265684 | 101.873 | ppb | | 99 |
| 29) Carbon tetrachloride | 4.32 | 117 | 336276 | 102.022 | ppb | | 100 |
| 31] Benzene | 4.50 | 78 | 713279 | 96.105 | ppb | | 90 |
| 32] Trichloroethene | 5.04 | 95 | 247141 | 99.423 | ppb | | 97 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 183650 | 96.976 | ppb | | 97 |
| 34) Bromodichloromethane | 5.48 | 83 | 277432 | 102.409 | ppb | | 100 |
| 36) Dibromomethane | 5.34 | 93 | 139391 | 102.636 | ppb | | 91 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023

Quant Method : Y:\Methods\Inst13\061523vms13.M

Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition

QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration

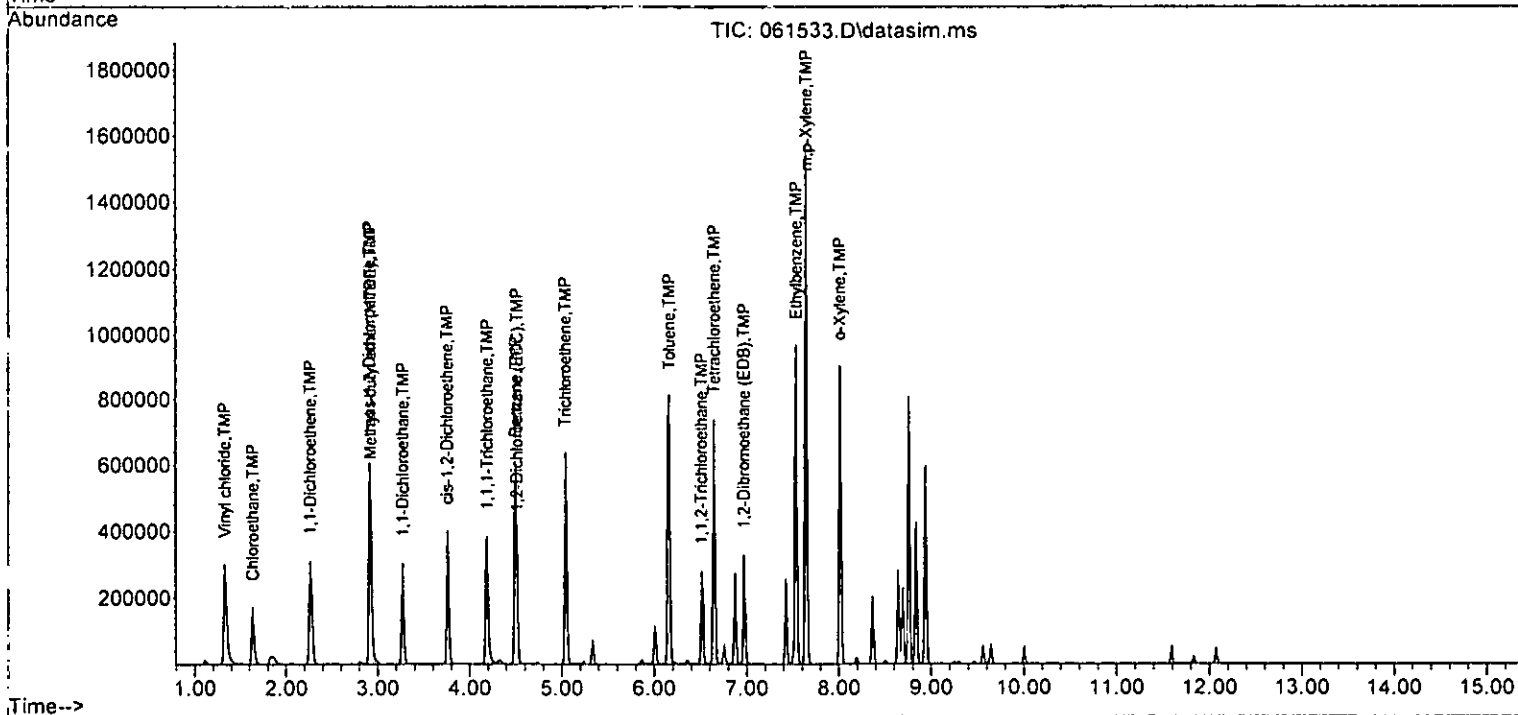
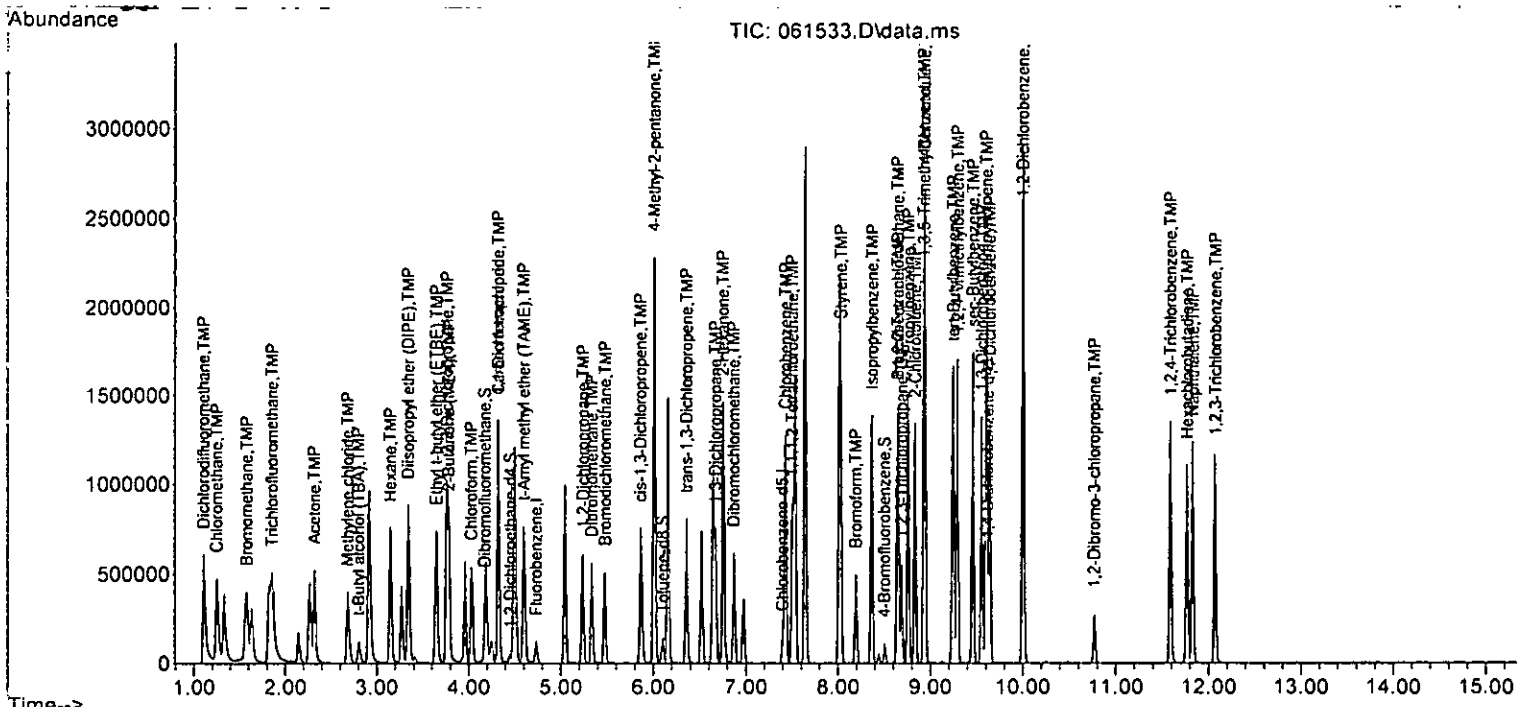
DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 190053 | 505.237 | ppb | 94 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 316073 | 108.332 | ppb | 97 |
| 40] Toluene | 6.16 | 92 | 518804 | 98.493 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 302318 | 102.497 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 155476 | 97.928 | ppb | 99 |
| 43) 2-Hexanone | 6.75 | 43 | 1018582 | 500.620 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 276717 | 99.333 | ppb | 98 |
| 45] Tetrachloroethene | 6.65 | 164 | 260013 | 100.428 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 283479 | 103.410 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 234236 | 98.865 | ppb | 100 |
| 48) Chlorobenzene | 7.43 | 112 | 630697 | 98.937 | ppb | 96 |
| 49] Ethylbenzene | 7.54 | 91 | 963091 | 95.636 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 255151 | 101.279 | ppb | 94 |
| 51] m,p-Xylene | 7.65 | 106 | 783803 | 189.161 | ppb # | 77 |
| 52] o-Xylene | 8.01 | 106 | 384413 | 95.480 | ppb | 97 |
| 53) Styrene | 8.03 | 104 | 613416 | 101.123 | ppb | 97 |
| 54) Isopropylbenzene | 8.37 | 105 | 928278 | 100.071 | ppb | 100 |
| 55) Bromoform | 8.19 | 173 | 212617 | 103.388 | ppb | 97 |
| 58) n-Propylbenzene | 8.76 | 91 | 1045418 | 97.876 | ppb | 93 |
| 59) Bromobenzene | 8.65 | 156 | 312814 | 98.990 | ppb | 93 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 796350 | 98.169 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 214870 | 99.074 | ppb | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 173032 | 96.167 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 609142 | 97.254 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 728600 | 96.608 | ppb | 98 |
| 65) tert-Butylbenzene | 9.25 | 119 | 763231 | 99.654 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 850475 | 100.553 | ppb | 96 |
| 67) sec-Butylbenzene | 9.46 | 105 | 1062133 | 102.065 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 970660 | 101.721 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 556707 | 100.922 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 552846 | 99.806 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 524890 | 99.979 | ppb | 99 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 49670 | 105.146 | ppb | 92 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 412958 | 109.932 | ppb | 96 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 229812 | 104.338 | ppb | 92 |
| 75) Naphthalene | 11.83 | 128 | 908705 | 110.151 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 378499 | 105.797 | ppb | 97 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge-&Trap-Volatiles-Dual-Acquisition
 QLast_Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 3 S Dibromofluoromethane | 10.000 | 10.127 | -1.3 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 100.000 | 108.580 | -8.6 | 100 | 0.00 |
| 5 TMP Chloromethane | 100.000 | 103.410 | -3.4 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 100.000 | 101.584 | -1.6 | 100 | 0.00 |
| 7 TMP Bromomethane | 100.000 | 102.798 | -2.8 | 100 | 0.01 |
| 8 TMP Chloroethane | 100.000 | 101.978 | -2.0 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 100.000 | 107.624 | -7.6 | 100 | 0.01 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP Acetone | 500.000 | 477.465 | 4.5 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 100.000 | 99.356 | 0.6 | 100 | 0.00 |
| 13 TMP Hexane | 100.000 | 105.019 | -5.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 100.000 | 97.363 | 2.6 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 500.000 | 502.291 | -0.5 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 100.000 | 96.965 | 3.0 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 100.000 | 98.147 | 1.9 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 100.000 | 99.568 | 0.4 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 100.000 | 97.444 | 2.6 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 100.000 | 100.724 | -0.7 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 100.000 | 110.609 | -10.6 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 100.000 | 97.898 | 2.1 | 100 | 0.00 |
| 23 TMP Chloroform | 100.000 | 98.175 | 1.8 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 500.000 | 499.211 | 0.2 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 100.000 | 97.106 | 2.9 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 100.000 | 99.737 | 0.3 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 100.000 | 97.836 | 2.2 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 100.000 | 101.873 | -1.9 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 100.000 | 102.022 | -2.0 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 10.071 | -0.7 | 100 | 0.00 |
| 31 TMP Benzene | 100.000 | 96.105 | 3.9 | 100 | 0.01 |
| 32 TMP Trichloroethene | 100.000 | 99.423 | 0.6 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 100.000 | 96.976 | 3.0 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 100.000 | 102.409 | -2.4 | 100 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 10.467 | -4.7 | 100 | 0.00 |
| 36 TMP Dibromomethane | 100.000 | 102.636 | -2.6 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 500.000 | 505.237 | -1.0 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 100.000 | 108.332 | -8.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 100.000 | 98.493 | 1.5 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 100.000 | 102.497 | -2.5 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 100.000 | 97.928 | 2.1 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 500.000 | 500.620 | -0.1 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 100.000 | 99.333 | 0.7 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 100.000 | 100.428 | -0.4 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 100.000 | 103.410 | -3.4 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 100.000 | 98.865 | 1.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 100.000 | 98.937 | 1.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 100.000 | 95.636 | 4.4 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 100.000 | 101.279 | -1.3 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 200.000 | 189.161 | 5.4 | 100 | 0.01 |
| 52 TMP o-Xylene | 100.000 | 95.480 | 4.5 | 100 | 0.00 |
| 53 TMP Styrene | 100.000 | 101.123 | -1.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 100.000 | 100.071 | -0.1 | 100 | 0.00 |
| 55 TMP Bromoform | 100.000 | 103.388 | -3.4 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.760 | 2.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 100.000 | 97.876 | 2.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 100.000 | 98.990 | 1.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 100.000 | 98.169 | 1.8 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 100.000 | 99.074 | 0.9 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 100.000 | 96.167 | 3.8 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 100.000 | 97.254 | 2.7 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 100.000 | 96.608 | 3.4 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 100.000 | 99.654 | 0.3 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 100.000 | 100.553 | -0.6 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 100.000 | 102.065 | -2.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 100.000 | 101.721 | -1.7 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 100.000 | 100.922 | -0.9 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 100.000 | 99.806 | 0.2 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 100.000 | 99.979 | 0.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 100.000 | 105.146 | -5.1 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 100.000 | 109.932 | -9.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 100.000 | 104.338 | -4.3 | 100 | 0.00 |
| 75 TMP Naphthalene | 100.000 | 110.151 | -10.2 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 100.000 | 105.797 | -5.8 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCM513

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~QLast Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.00 |
| 3 S Dibromofluoromethane | 0.302 | 0.306 | -1.3 | 100 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.885 | -8.6 | 100 | 0.00 |
| 5 TMP Chloromethane | 0.756 | 0.782 | -3.4 | 100 | 0.00 |
| 6 TMP Vinyl chloride | 0.628 | 0.629 | -0.2 | 100 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.454 | -2.7 | 100 | 0.01 |
| 8 TMP Chloroethane | 0.292 | 0.298 | -2.1 | 100 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.346 | -7.7 | 100 | 0.01 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP Acetone | 0.035 | 0.034 | 2.9 | 100 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.261 | 7.4 | 100 | 0.00 |
| 13 TMP Hexane | 0.343 | 0.360 | -5.0 | 100 | 0.00 |
| 14 TMP Methylene chloride | 0.225 | 0.219 | 2.7 | 100 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.032 | 0.0 | 100 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.583 | 3.0 | 100 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.254 | 1.9 | 100 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.828 | 0.5 | 100 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.423 | 2.5 | 100 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.268 | -0.8 | 100 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.303 | -0.7 | 100 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.274 | 2.1 | 100 | 0.00 |
| 23 TMP Chloroform | 0.454 | 0.446 | 1.8 | 100 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.181 | 0.0 | 100 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.565 | 2.9 | 100 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.379 | 14.3 | 100 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.436 | 2.0 | 100 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.329 | -2.2 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.416 | -2.0 | 100 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.063 | -1.6 | 100 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.882 | 3.9 | 100 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.306 | 4.1 | 100 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.227 | 3.0 | 100 | 0.01 |
| 34 TMP Bromodichloromethane | 0.335 | 0.343 | -2.4 | 100 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 1.004 | -4.7 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.172 | -2.4 | 100 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.047 | 0.0 | 100 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.391 | -8.3 | 100 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.748 | 10.0 | 100 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.436 | -2.6 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.224 | 2.2 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.294 | -0.3 | 100 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061533.D
 Acq On : 15 Jun 2023 08:35 pm
 Operator : MD
 Sample : 100 ppb 8260 ICAL 69-113s
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:40 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response Via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.399 | 0.7 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.375 | 5.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.409 | -3.5 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.338 | 6.6 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.909 | 1.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.388 | 4.4 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.368 | -1.4 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.565 | 5.4 | 100 | 0.01 |
| 52 TMP o-Xylene | 0.580 | 0.554 | 4.5 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.884 | -1.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.338 | -0.1 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.306 | -3.4 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 0.758 | 0.739 | 2.5 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.705 | 2.1 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.809 | 1.1 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.061 | 1.8 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.556 | 7.2 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.448# | 3.9 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.576 | 2.8 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.885 | 3.4 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.975 | 0.4 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.201 | -0.6 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.748 | -2.0 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.512 | -1.7 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.440 | -0.9 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.430 | 0.2 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.358 | 0.0 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.129 | -5.7 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 1.069 | -10.0 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.595 | -4.4 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.351 | -10.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.979 | -5.7 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 81996 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 69852 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38927 | 10.000 | ppb | # 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 24317 | 9.820 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.20% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5103 | 9.972 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 99.70% | | |
| 35) Toluene-d8 | 6.11 | 98 | 80134 | 10.189 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 101.90% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28954 | 9.818 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 98.20% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.33 | 45 | 4206 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 1078829 | 161.393 | ppb | | 98 |
| 5) Chloromethane | 1.26 | 50 | 959224 | 154.683 | ppb | | 98 |
| 6] Vinyl chloride | 1.35 | 62 | 769264 | 151.615 | ppb | | 98 |
| 7) Bromomethane | 1.59 | 94 | 542290 | 149.607 | ppb | | 94 |
| 8] Chloroethane | 1.65 | 64 | 368773 | 154.065 | ppb | | 94 |
| 9) Trichlorofluoromethane | 1.87 | 101 | 1677569 | 163.635 | ppb | | 96 |
| 10) 2-Propanol | 2.33 | 45 | 4206 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 225306 | 779.256 | ppb | # | 82 |
| 12] 1,1-Dichloroethene | 2.28 | 96 | 320583 | 149.058 | ppb | | 97 |
| 13) Hexane | 3.16 | 57 | 432212 | 153.601 | ppb | | 96 |
| 14) Methylene chloride | 2.69 | 84 | 267709 | 145.299 | ppb | | 95 |
| 15) t-Butyl alcohol (TBA) | 2.82 | 59 | 202023 | 763.767 | ppb | | 91 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 708894 | 143.799 | ppb | | 96 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 312335 | 147.298 | ppb | | 96 |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 1037183 | 152.123 | ppb | | 96 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 524577 | 147.537 | ppb | | 92 |
| 20) Ethyl t-butyl ether (E...) | 3.66 | 87 | 333446 | 153.007 | ppb | | 90 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 347950 | 154.908 | ppb | | 96 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 339703 | 148.150 | ppb | | 90 |
| 23) Chloroform | 4.04 | 83 | 558057 | 149.958 | ppb | | 96 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 1131409 | 761.079 | ppb | | 99 |
| 25) t-Amyl methyl ether (T...) | 4.61 | 73 | 692062 | 144.980 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 467961 | 150.396 | ppb | | 94 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 542133 | 148.442 | ppb | | 94 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 406642 | 153.790 | ppb | | 97 |
| 29) Carbon tetrachloride | 4.33 | 117 | 513845 | 153.763 | ppb | | 99 |
| 31] Benzene | 4.50 | 78 | 1096184 | 145.677 | ppb | | 95 |
| 32] Trichloroethene | 5.05 | 95 | 378333 | 150.123 | ppb | # | 73 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 285055 | 148.465 | ppb | | 97 |
| 34) Bromodichloromethane | 5.48 | 83 | 436390 | 158.884 | ppb | | 99 |
| 36) Dibromomethane | 5.34 | 93 | 213067 | 154.739 | ppb | | 96 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

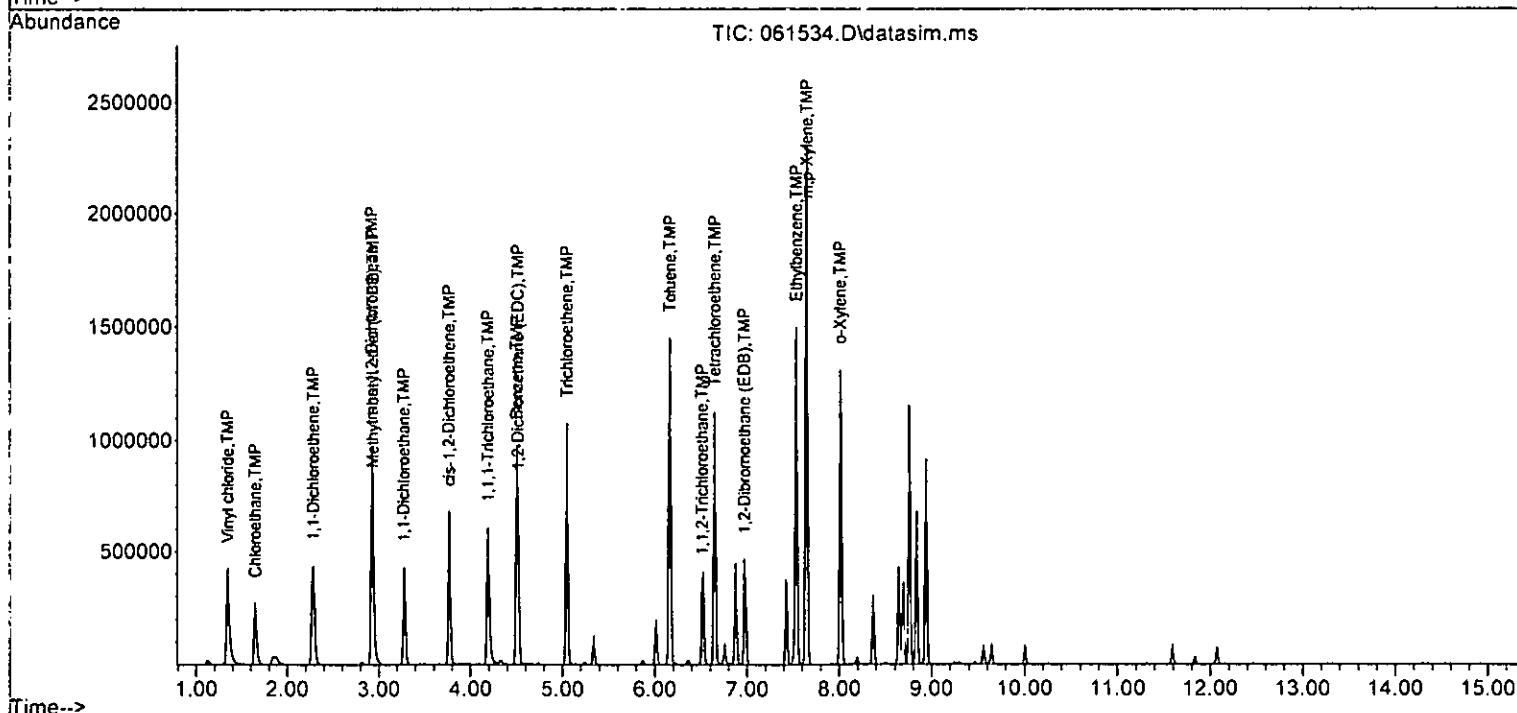
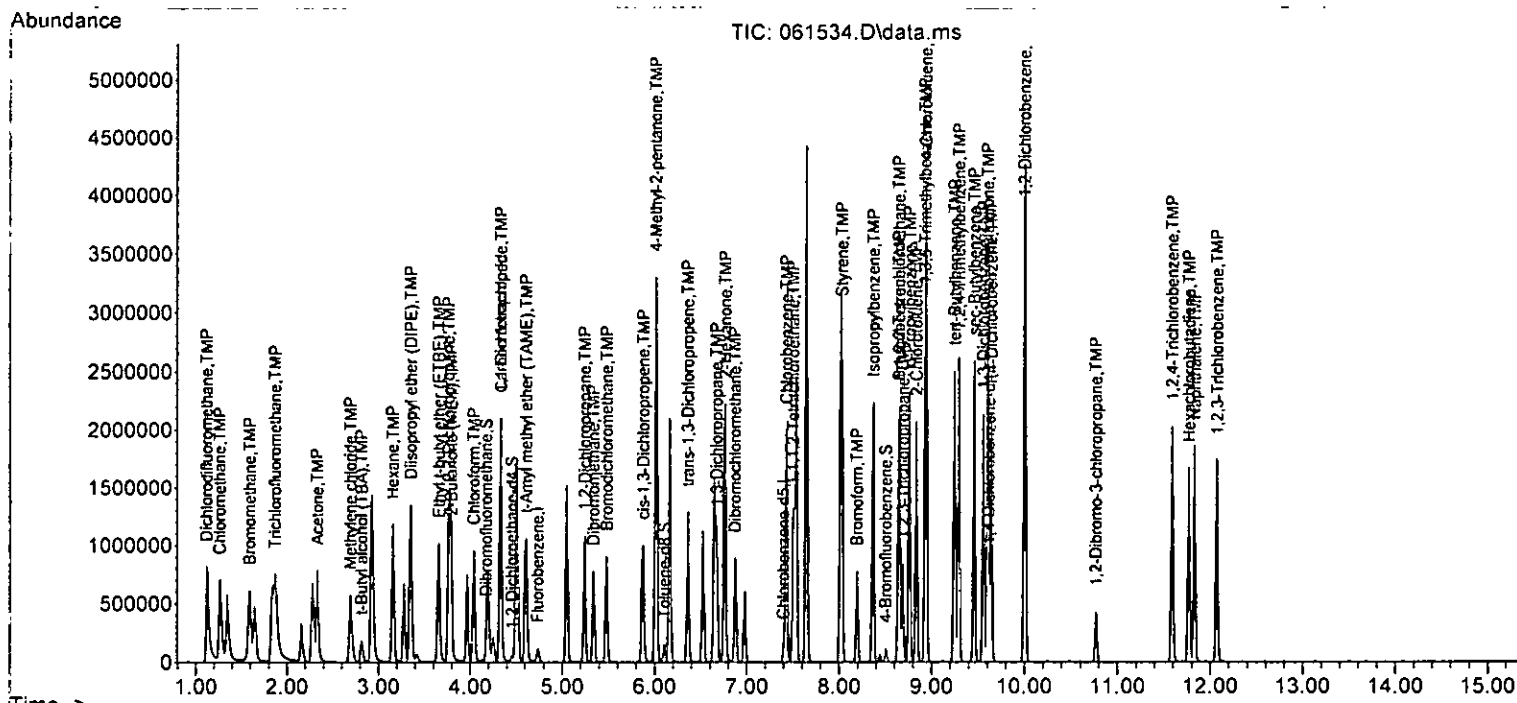
Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Qlast Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 291849 | 765.245 | ppb | 96 |
| 38) cis-1,3-Dichloropropene | 5.88 | 75 | 494216 | 167.074 | ppb | 95 |
| 40] Toluene | 6.16 | 92 | 792097 | 149.348 | ppb | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 468954 | 157.899 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 238681 | 149.300 | ppb | 96 |
| 43) 2-Hexanone | 6.76 | 43 | 1562397 | 762.610 | ppb | 96 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 418693 | 149.264 | ppb | 99 |
| 45] Tetrachloroethene | 6.65 | 164 | 390029 | 149.613 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 441707 | 160.020 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 357388 | 149.809 | ppb | 98 |
| 48) Chlorobenzene | 7.43 | 112 | 956784 | 149.056 | ppb | 96 |
| 49] Ethylbenzene | 7.54 | 91 | 1440605 | 142.069 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 387516 | 152.761 | ppb | 96 |
| 51] m,p-Xylene | 7.65 | 106 | 1177287 | 282.167 | ppb # | 80 |
| 52] o-Xylene | 8.01 | 106 | 577702 | 142.500 | ppb | 96 |
| 53) Styrene | 8.03 | 104 | 929017 | 152.096 | ppb | 95 |
| 54) Isopropylbenzene | 8.37 | 105 | 1403420 | 150.251 | ppb | 99 |
| 55) Bromoform | 8.19 | 173 | 329619 | 159.178 | ppb | 98 |
| 58) n-Propylbenzene | 8.76 | 91 | 1554635 | 144.507 | ppb | 93 |
| 59) Bromobenzene | 8.65 | 156 | 473815 | 148.864 | ppb | 95 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 1195784 | 146.352 | ppb | 100 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 325229 | 148.927 | ppb | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 259923 | 143.424 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 916009 | 145.199 | ppb | 100 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 1091885 | 143.740 | ppb | 99 |
| 65) tert-Butylbenzene | 9.25 | 119 | 1141845 | 148.020 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 1273601 | 149.501 | ppb | 99 |
| 67) sec-Butylbenzene | 9.46 | 105 | 1573398 | 150.111 | ppb | 97 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 1442008 | 150.033 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 842905 | 151.710 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 835531 | 149.758 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 798302 | 150.968 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 76170 | 160.088 | ppb | 92 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 625748 | 165.384 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 341206 | 153.802 | ppb | 92 |
| 75) Naphthalene | 11.83 | 128 | 1400971 | 168.606 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 583045 | 161.803 | ppb | 97 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
~~Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition~~
~~Last Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 3 S | Dibromofluoromethane | 10.000 | 9.820 | 1.8 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 150.000 | 161.393 | -7.6 | 100 | 0.01 |
| 5 TMP | Chloromethane | 150.000 | 154.683 | -3.1 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 150.000 | 151.615 | -1.1 | 100 | 0.02 |
| 7 TMP | Bromomethane | 150.000 | 149.607 | 0.3 | 100 | 0.02 |
| 8 TMP | Chloroethane | 150.000 | 154.065 | -2.7 | 100 | 0.01 |
| 9 TMP | Trichlorofluoromethane | 150.000 | 163.635 | -9.1 | 105 | 0.02 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP | Acetone | 750.000 | 779.256 | -3.9 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 150.000 | 149.058 | 0.6 | 100 | 0.02 |
| 13 TMP | Hexane | 150.000 | 153.601 | -2.4 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 150.000 | 145.299 | 3.1 | 100 | 0.01 |
| 15 TMP | t-Butyl alcohol (TBA) | 750.000 | 763.767 | -1.8 | 100 | 0.01 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 150.000 | 143.799 | 4.1 | 100 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 150.000 | 147.298 | 1.8 | 100 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 150.000 | 152.123 | -1.4 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 150.000 | 147.537 | 1.6 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 150.000 | 153.007 | -2.0 | 100 | 0.01 |
| 21 TMP | 2,2-Dichloropropane | 150.000 | 154.908 | -3.3 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 150.000 | 148.150 | 1.2 | 100 | 0.01 |
| 23 TMP | Chloroform | 150.000 | 149.958 | 0.0 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 750.000 | 761.079 | -1.5 | 100 | 0.01 |
| 25 TMP | t-Amyl methyl ether (TAME) | 150.000 | 144.980 | 3.3 | 100 | 0.01 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 150.000 | 150.396 | -0.3 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 150.000 | 148.442 | 1.0 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 150.000 | 153.790 | -2.5 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 150.000 | 153.763 | -2.5 | 100 | 0.01 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 9.972 | 0.3 | 100 | 0.00 |
| 31 TMP | Benzene | 150.000 | 145.677 | 2.9 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 150.000 | 150.123 | -0.1 | 100 | 0.01 |
| 33 TMP | 1,2-Dichloropropane | 150.000 | 148.465 | 1.0 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 150.000 | 158.884 | -5.9 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.189 | -1.9 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 150.000 | 154.739 | -3.2 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 750.000 | 765.245 | -2.0 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 150.000 | 167.074 | -11.4 | 100 | 0.01 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 150.000 | 149.348 | 0.4 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 150.000 | 157.899 | -5.3 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 150.000 | 149.300 | 0.5 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 750.000 | 762.610 | -1.7 | 100 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260-Purge-&-Trap-Volatiles Dual-Acquisition
~~Quant Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Oev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 150.000 | 149.264 | 0.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 150.000 | 149.613 | 0.3 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 150.000 | 160.020 | -6.7 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 150.000 | 149.809 | 0.1 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 150.000 | 149.056 | 0.6 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 150.000 | 142.069 | 5.3 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 150.000 | 152.761 | -1.8 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 300.000 | 282.167 | 5.9 | 100 | 0.01 |
| 52 TMP o-Xylene | 150.000 | 142.500 | 5.0 | 100 | 0.00 |
| 53 TMP Styrene | 150.000 | 152.096 | -1.4 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 150.000 | 150.251 | -0.2 | 100 | 0.00 |
| 55 TMP Bromoform | 150.000 | 159.178 | -6.1 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.818 | 1.8 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 150.000 | 144.507 | 3.7 | 100 | 0.00 |
| 59 TMP Bromobenzene | 150.000 | 148.864 | 0.8 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 150.000 | 146.352 | 2.4 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 150.000 | 148.927 | 0.7 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 150.000 | 143.424 | 4.4 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 150.000 | 145.199 | 3.2 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 150.000 | 143.740 | 4.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 150.000 | 148.020 | 1.3 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 150.000 | 149.501 | 0.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 150.000 | 150.111 | -0.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 150.000 | 150.033 | -0.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 150.000 | 151.710 | -1.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 150.000 | 149.758 | 0.2 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 150.000 | 150.968 | -0.6 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 150.000 | 160.088 | -6.7 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 150.000 | 165.384 | -10.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 150.000 | 153.802 | -2.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 150.000 | 168.606 | -12.4 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 150.000 | 161.803 | -7.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260_Purge_&_Trap_Volatiles_Dual_Acquisition...
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.01 |
| 3 S | Dibromofluoromethane | 0.302 | 0.297 | 1.7 | 100 | 0.01 |
| 4 TMP | Oichlorodifluoromethane | 0.815 | 0.877 | -7.6 | 100 | 0.01 |
| 5 TMP | Chloromethane | 0.756 | 0.780 | -3.2 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 0.628 | 0.625 | 0.5 | 100 | 0.02 |
| 7 TMP | Bromomethane | 0.442 | 0.441 | 0.2 | 100 | 0.02 |
| 8 TMP | Chloroethane | 0.292 | 0.300 | -2.7 | 100 | 0.01 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.364 | -9.1 | 105 | 0.02 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.01 |
| 11 TMP | Acetone | 0.035 | 0.037 | -5.7 | 100 | 0.01 |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.261 | 7.4 | 100 | 0.02 |
| 13 TMP | Hexane | 0.343 | 0.351 | -2.3 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 0.225 | 0.218 | 3.1 | 100 | 0.01 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.033 | -3.1 | 100 | 0.01 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.576 | 4.2 | 100 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.254 | 1.9 | 100 | 0.01 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.843 | -1.3 | 100 | 0.01 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.427 | 1.6 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.271 | -1.9 | 100 | 0.01 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.283 | 6.0 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.276 | 1.4 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.454 | 0.0 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.184 | -1.7 | 100 | 0.01 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.563 | 3.3 | 100 | 0.01 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.380 | 14.0 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.441 | 0.9 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.331 | -2.8 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.418 | -2.5 | 100 | 0.01 |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.891 | 2.9 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.308 | 3.4 | 100 | 0.01 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.232 | 0.9 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.355 | -6.0 | 100 | 0.00 |
| 35 S | Toluene-d8 | 0.959 | 0.977 | -1.9 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.173 | -3.0 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.047 | 0.0 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.402 | -11.4 | 100 | 0.01 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.756 | 9.0 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.448 | -5.4 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.228 | 0.4 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.298 | -1.7 | 100 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061534.D
 Acq On : 15 Jun 2023 08:58 pm
 Operator : MD
 Sample : 150 ppb 8260 ICAL 69-113t
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:44 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update: Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.400 | 0.5 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.372 | 6.1 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.422 | -6.8 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.341 | 5.8 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.913 | 0.7 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.375 | 5.3 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.370 | -1.9 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.562 | 5.9 | 100 | 0.01 |
| 52 TMP o-Xylene | 0.580 | 0.551 | 5.0 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.887 | -1.5 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.339 | -0.1 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.315 | -6.4 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.744 | 1.8 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.662 | 3.7 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.811 | 0.9 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.048 | 2.4 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.557 | 7.0 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.445# | 4.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.569 | 3.2 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.870 | 4.2 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.956 | 1.3 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.181 | 0.3 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.695 | -0.1 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.470 | -0.0 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.444 | -1.2 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.431 | 0.1 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.367 | -0.7 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.130 | -6.6 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 1.072 | -10.3 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.584 | -2.5 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.399 | -12.4 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.999 | -7.9 | 100 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : Y:\Proc_GCM513\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCM513

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition

QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration

DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|------------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 83120 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 70268 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38141 | 10.000 | ppb | # 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 25633 | 10.211 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery = | 102.10% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5214 | 10.051 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery = | 100.50% | | | |
| 35) Toluene-d8 | 6.11 | 98 | 81343 | 10.203 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery = | 102.00% | | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28996 | 10.035 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery = | 100.40% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.32 | 45 | 5855 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 1441718 | 212.764 | ppb | | 96 |
| 5) Chloromethane | 1.26 | 50 | 1283445 | 204.167 | ppb | | 99 |
| 6) Vinyl chloride | 1.34 | 62 | 1024092 | 199.110 | ppb | | 99 |
| 7) Bromomethane | 1.58 | 94 | 716897 | 195.104 | ppb | | 96 |
| 8) Chloroethane | 1.65 | 64 | 495416 | 204.174 | ppb | | 91 |
| 9) Trichlorofluoromethane | 1.86 | 101 | 2229282 | 214.510 | ppb | | 95 |
| 10) 2-Propanol | 2.32 | 45 | 5855 | No Calib | # | | |
| 11) Acetone | 2.32 | 58 | 307826 | 1050.268 | ppb | # | 84 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 442582 | 203.003 | ppb | | 99 |
| 13) Hexane | 3.16 | 57 | 596432 | 209.096 | ppb | | 96 |
| 14) Methylene chloride | 2.68 | 84 | 371034 | 198.656 | ppb | | 100 |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 271141 | 1011.213 | ppb | | 92 |
| 16) Methyl t-butyl ether (...) | 2.93 | 73 | 947756 | 189.652 | ppb | | 93 |
| 17) trans-1,2-Dichloroethene | 2.91 | 96 | 432166 | 201.054 | ppb | | 92 |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 1408008 | 203.719 | ppb | | 97 |
| 19) 1,1-Dichloroethane | 3.27 | 63 | 720011 | 199.764 | ppb | | 96 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 449206 | 203.338 | ppb | | 95 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 414615 | 182.113 | ppb | | 99 |
| 22) cis-1,2-Dichloroethene | 3.77 | 96 | 464913 | 200.014 | ppb | | 84 |
| 23) Chloroform | 4.04 | 83 | 764664 | 202.697 | ppb | | 95 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 1520965 | 1009.291 | ppb | | 98 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 926893 | 191.549 | ppb | | 95 |
| 26) 1,2-Dichloroethane (EDC) | 4.52 | 62 | 627338 | 198.899 | ppb | | 95 |
| 27) 1,1,1-Trichloroethane | 4.19 | 97 | 749853 | 202.541 | ppb | | 97 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 559696 | 208.812 | ppb | | 97 |
| 29) Carbon tetrachloride | 4.33 | 117 | 728020 | 214.907 | ppb | | 99 |
| 31) Benzene | 4.50 | 78 | 1489032 | 195.209 | ppb | | 93 |
| 32) Trichloroethene | 5.04 | 95 | 516807 | 202.299 | ppb | | 97 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 391877 | 201.342 | ppb | | 97 |
| 34) Bromodichloromethane | 5.48 | 83 | 598700 | 215.031 | ppb | | 99 |
| 36) Dibromomethane | 5.34 | 93 | 294837 | 211.229 | ppb | | 93 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

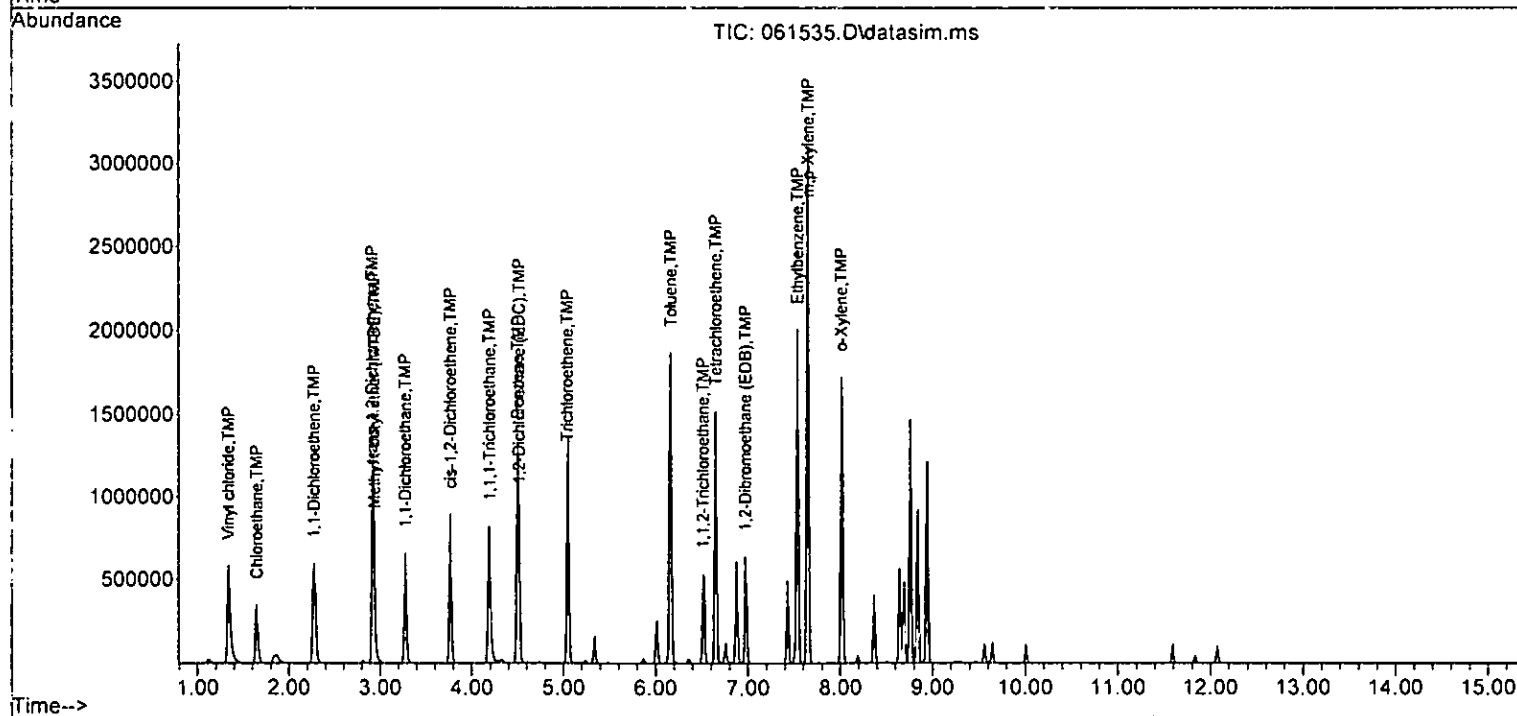
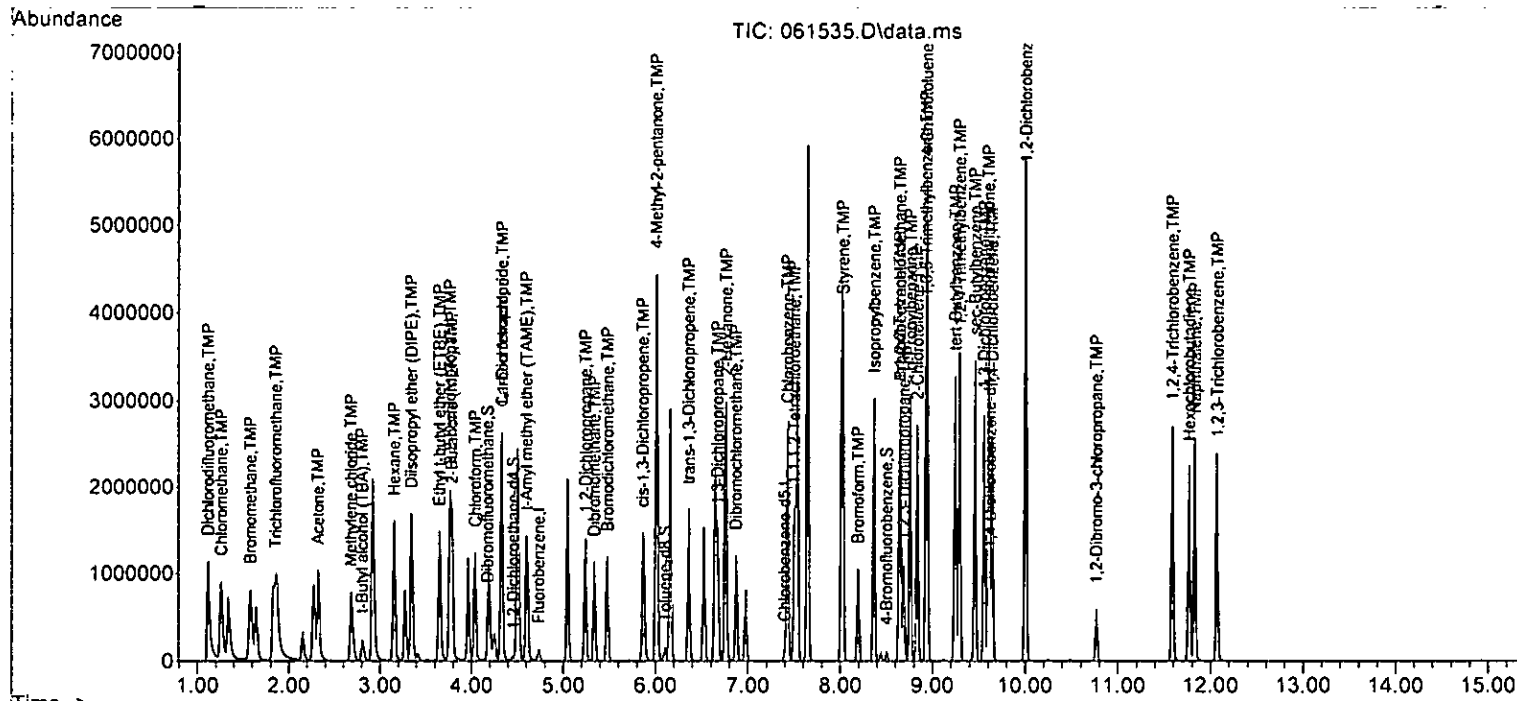
Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 394819 | 1021.239 | ppb | 94 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 673213 | 224.507 | ppb | 97 |
| 40] Toluene | 6.16 | 92 | 1069248 | 200.416 | ppb | 88 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 636342 | 212.990 | ppb | 99 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 322027 | 200.242 | ppb | 98 |
| 43) 2-Hexanone | 6.76 | 43 | 2087701 | 1012.979 | ppb | 96 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 560801 | 198.741 | ppb | 98 |
| 45] Tetrachloroethene | 6.65 | 164 | 524060 | 199.839 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 597113 | 215.039 | ppb | 100 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 484905 | 202.059 | ppb | 98 |
| 48) Chlorobenzene | 7.43 | 112 | 1292887 | 200.225 | ppb | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 1914590 | 187.694 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 521846 | 204.496 | ppb | 95 |
| 51] m,p-Xylene | 7.65 | 106 | 1572216 | 374.591 | ppb # | 80 |
| 52] o-Xylene | 8.01 | 106 | 773191 | 189.592 | ppb | 95 |
| 53) Styrene | 8.03 | 104 | 1242904 | 202.280 | ppb | 96 |
| 54) Isopropylbenzene | 8.37 | 105 | 1888454 | 200.981 | ppb | 99 |
| 55) Bromoform | 8.19 | 173 | 449146 | 215.615 | ppb | 98 |
| 59) n-Propylbenzene | 8.76 | 91 | 2088440 | 198.126 | ppb | 94 |
| 58) Bromobenzene | 8.65 | 156 | 627137 | 201.095 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 1585748 | 198.079 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 435688 | 203.651 | ppb | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 349742 | 196.962 | ppb | 96 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 1226941 | 198.493 | ppb | 100 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 1449986 | 194.815 | ppb | 100 |
| 65) tert-Butylbenzene | 9.25 | 119 | 1514706 | 200.401 | ppb | 98 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 1714458 | 205.398 | ppb | 98 |
| 67) sec-Butylbenzene | 9.46 | 105 | 2091151 | 203.619 | ppb | 97 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 1925075 | 204.422 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 1122222 | 206.146 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 1113227 | 203.643 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.01 | 146 | 1064542 | 205.466 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 104078 | 223.251 | ppb | 93 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 844780 | 227.874 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 453162 | 208.477 | ppb | 94 |
| 75) Naphthalene | 11.83 | 128 | 1891079 | 232.280 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 780415 | 221.039 | ppb | 97 |

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

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update: Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Oev(min) |
|--------|-----------------------------|----------|----------|-------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 10.211 | -2.1 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 200.000 | 212.764 | -6.4 | 100 | 0.01 |
| 5 TMP | Chloromethane | 200.000 | 204.167 | -2.1 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 200.000 | 199.110 | 0.4 | 100 | 0.01 |
| 7 TMP | Bromomethane | 200.000 | 195.104 | 2.4 | 100 | 0.01 |
| 8 TMP | Chloroethane | 200.000 | 204.174 | -2.1 | 100 | 0.01 |
| 9 TMP | Trichlorofluoromethane | 200.000 | 214.510 | -7.3 | 100 | 0.01 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP | Acetone | 1000.000 | 1050.268 | -5.0 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 200.000 | 203.003 | -1.5 | 100 | 0.01 |
| 13 TMP | Hexane | 200.000 | 209.096 | -4.5 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 200.000 | 198.656 | 0.7 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 1000.000 | 1011.213 | -1.1 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 200.000 | 189.652 | 5.2 | 100 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 200.000 | 201.054 | -0.5 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 200.000 | 203.719 | -1.9 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 200.000 | 199.764 | 0.1 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 200.000 | 203.338 | -1.7 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 200.000 | 182.113 | 8.9 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 200.000 | 200.014 | -0.0 | 100 | 0.01 |
| 23 TMP | Chloroform | 200.000 | 202.697 | -1.3 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 1000.000 | 1009.291 | -0.9 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 200.000 | 191.549 | 4.2 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 200.000 | 198.899 | 0.6 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 200.000 | 202.541 | -1.3 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 200.000 | 208.812 | -4.4 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 200.000 | 214.907 | -7.5 | 100 | 0.01 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.051 | -0.5 | 100 | 0.00 |
| 31 TMP | Benzene | 200.000 | 195.209 | 2.4 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 200.000 | 202.299 | -1.1 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 200.000 | 201.342 | -0.7 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 200.000 | 215.031 | -7.5 | 100 | 0.00 |
| 35 S | Toluene-d8 | 10.000 | 10.203 | -2.0 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 200.000 | 211.229 | -5.6 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 1000.000 | 1021.239 | -2.1 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 200.000 | 224.507 | -12.3 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 200.000 | 200.416 | -0.2 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 200.000 | 212.990 | -6.5 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 200.000 | 200.242 | -0.1 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 1000.000 | 1012.979 | -1.3 | 100 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|---------|---------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 200.000 | 198.741 | 0.6 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 200.000 | 199.839 | 0.1 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 200.000 | 215.039 | -7.5 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 200.000 | 202.059 | -1.0 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 200.000 | 200.225 | -0.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 200.000 | 187.694 | 6.2 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 200.000 | 204.496 | -2.2 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 400.000 | 374.591 | 6.4 | 100 | 0.01 |
| 52 TMP o-Xylene | 200.000 | 189.592 | 5.2 | 100 | 0.00 |
| 53 TMP Styrene | 200.000 | 202.280 | -1.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 200.000 | 200.981 | -0.5 | 100 | 0.00 |
| 55 TMP Bromoform | 200.000 | 215.615 | -7.8 | 100 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 100 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 10.035 | -0.4 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 200.000 | 198.126 | 0.9 | 100 | 0.00 |
| 59 TMP Bromobenzene | 200.000 | 201.095 | -0.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 200.000 | 198.079 | 1.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 200.000 | 203.651 | -1.8 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 200.000 | 196.962 | 1.5 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 200.000 | 198.493 | 0.8 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 200.000 | 194.815 | 2.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 200.000 | 200.401 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 200.000 | 205.398 | -2.7 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 200.000 | 203.619 | -1.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 200.000 | 204.422 | -2.2 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 200.000 | 206.146 | -3.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 200.000 | 203.643 | -1.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 200.000 | 205.466 | -2.7 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 200.000 | 223.251 | -11.6 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 200.000 | 227.874 | -13.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 200.000 | 208.477 | -4.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 200.000 | 232.280 | -16.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 200.000 | 221.039 | -10.5 | 100 | 0.00 |

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

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|--------|-----------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 TMP | Ethanol | 0.000 | 0.000# | 0.0 | 100 | 0.00 |
| 3 S | Dibromofluoromethane | 0.302 | 0.308 | -2.0 | 100 | 0.01 |
| 4 TMP | Dichlorodifluoromethane | 0.815 | 0.867 | -6.4 | 100 | 0.01 |
| 5 TMP | Chloromethane | 0.756 | 0.772 | -2.1 | 100 | 0.01 |
| 6 TMP | Vinyl chloride | 0.628 | 0.616 | 1.9 | 100 | 0.01 |
| 7 TMP | Bromomethane | 0.442 | 0.431 | 2.5 | 100 | 0.01 |
| 8 TMP | Chloroethane | 0.292 | 0.298 | -2.1 | 100 | 0.01 |
| 9 TMP | Trichlorofluoromethane | 1.250 | 1.341 | -7.3 | 100 | 0.01 |
| 10 TMP | 2-Propanol | 0.000 | 0.000 | 0.0 | 100 | 0.00 |
| 11 TMP | Acetone | 0.035 | 0.037 | -5.7 | 100 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 0.282 | 0.266 | 5.7 | 100 | 0.01 |
| 13 TMP | Hexane | 0.343 | 0.359 | -4.7 | 100 | 0.01 |
| 14 TMP | Methylene chloride | 0.225 | 0.223 | 0.9 | 100 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 0.032 | 0.033 | -3.1 | 100 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 0.601 | 0.570 | 5.2 | 100 | 0.01 |
| 17 TMP | trans-1,2-Dichloroethene | 0.259 | 0.260 | -0.4 | 100 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 0.832 | 0.847 | -1.8 | 100 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 0.434 | 0.433 | 0.2 | 100 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 0.266 | 0.270 | -1.5 | 100 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 0.301 | 0.249 | 17.3 | 100 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 0.280 | 0.280 | 0.0 | 100 | 0.01 |
| 23 TMP | Chloroform | 0.454 | 0.460 | -1.3 | 100 | 0.01 |
| 24 TMP | 2-Butanone (MEK) | 0.181 | 0.183 | -1.1 | 100 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 0.582 | 0.558 | 4.1 | 100 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 0.442 | 0.377 | 14.7 | 100 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 0.445 | 0.451 | -1.3 | 100 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 0.322 | 0.337 | -4.7 | 100 | 0.01 |
| 29 TMP | Carbon tetrachloride | 0.408 | 0.438 | -7.4 | 100 | 0.01 |
| 30 S | 1,2-Dichloroethane-d4 | 0.062 | 0.063 | -1.6 | 100 | 0.00 |
| 31 TMP | Benzene | 0.918 | 0.896 | 2.4 | 100 | 0.01 |
| 32 TMP | Trichloroethene | 0.319 | 0.311 | 2.5 | 100 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 0.234 | 0.236 | -0.9 | 100 | 0.01 |
| 34 TMP | Bromodichloromethane | 0.335 | 0.360 | -7.5 | 100 | 0.00 |
| 35 S | Toluene-d8 | 0.959 | 0.979 | -2.1 | 100 | 0.00 |
| 36 TMP | Dibromomethane | 0.168 | 0.177 | -5.4 | 100 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 0.047 | 0.047 | 0.0 | 100 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 0.361 | 0.405 | -12.2 | 100 | 0.00 |
| 39 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 40 TMP | Toluene | 0.831 | 0.761 | 8.4 | 100 | 0.00 |
| 41 TMP | trans-1,3-Dichloropropene | 0.425 | 0.453 | -6.6 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 0.229 | 0.229 | 0.0 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 0.293 | 0.297 | -1.4 | 100 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061535.D
 Acq On : 15 Jun 2023 09:22 pm
 Operator : MD
 Sample : 200 ppb 8260 ICAL 69-113u
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:48 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Update : Fri Jun 16 07:37:11 2023~~
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.399 | 0.7 | 100 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.373 | 5.8 | 100 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.425 | -7.6 | 100 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.345 | 4.7 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.920 | -0.1 | 100 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.362 | 6.2 | 100 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.371 | -2.2 | 100 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.559 | 6.4 | 100 | 0.01 |
| 52 TMP o-Xylene | 0.580 | 0.550 | 5.2 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.884 | -1.1 | 100 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.344 | -0.5 | 100 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.320 | -8.1 | 100 | 0.00 |
| ----- | | | | | |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 57 5 4-Bromofluorobenzene | 0.758 | 0.760 | -0.3 | 100 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.738 | 0.9 | 100 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.822 | -0.5 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.079 | 1.0 | 100 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.571 | 4.7 | 100 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.458# | 1.7 | 100 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.608 | 0.8 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.901 | 2.6 | 100 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 1.986 | -0.2 | 100 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.248 | -2.7 | 100 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.741 | -1.8 | 100 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.524 | -2.2 | 100 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.471 | -3.1 | 100 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.459 | -1.8 | 100 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.396 | -2.8 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.136 | -11.5 | 100 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 1.107 | -13.9 | 100 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.594 | -4.2 | 100 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.479 | -16.1 | 100 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 1.023 | -10.5 | 100 | 0.00 |

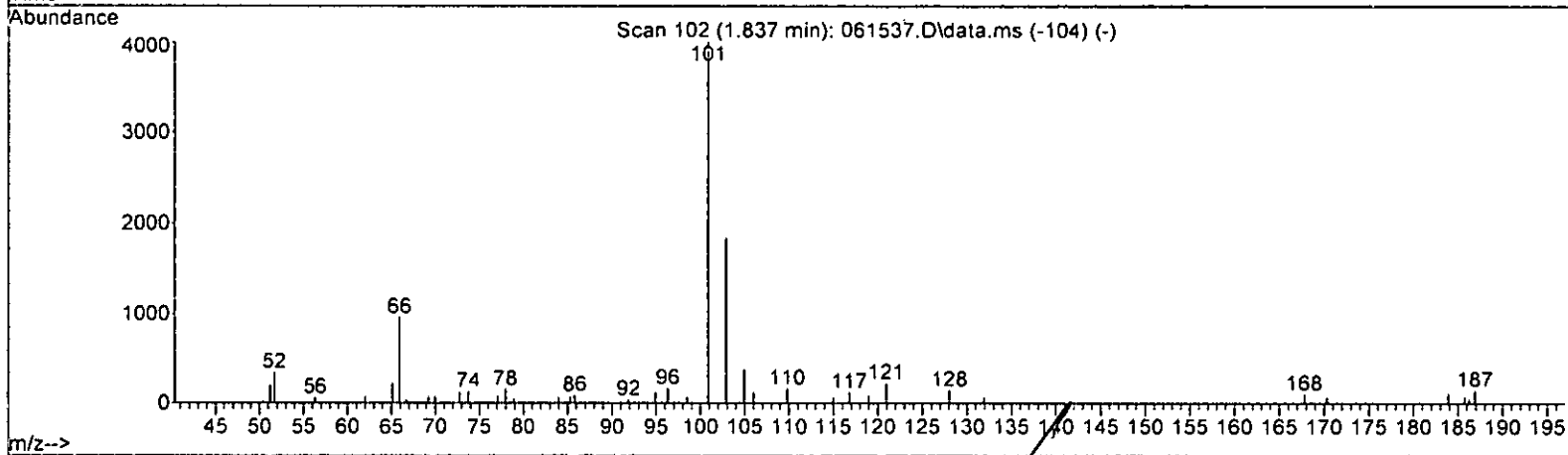
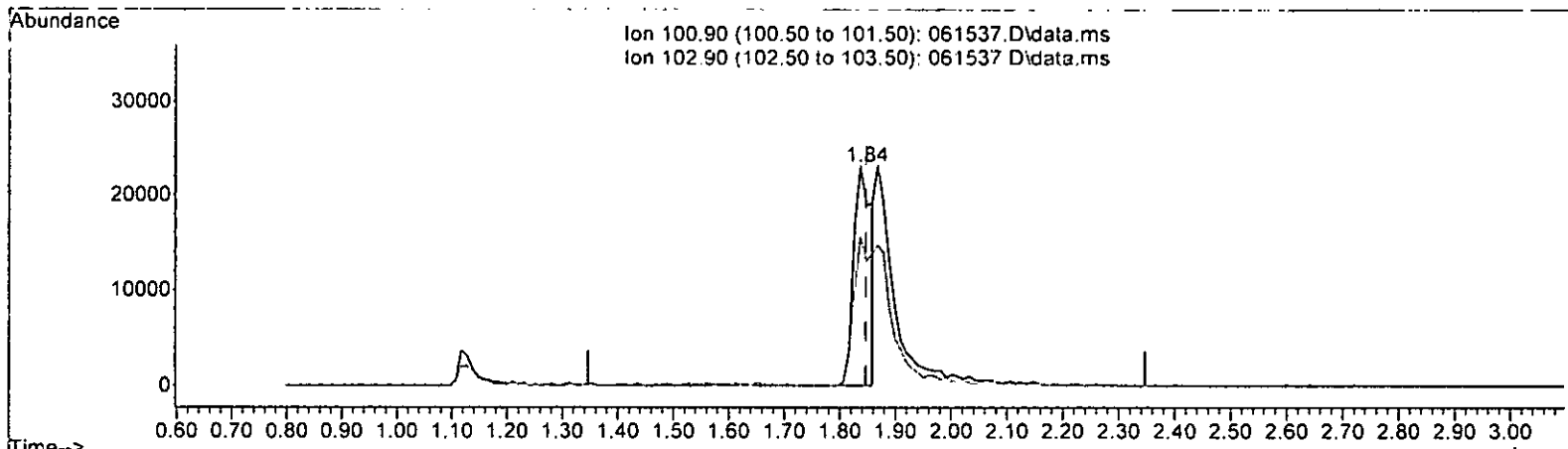
(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 061537.D\data.ms

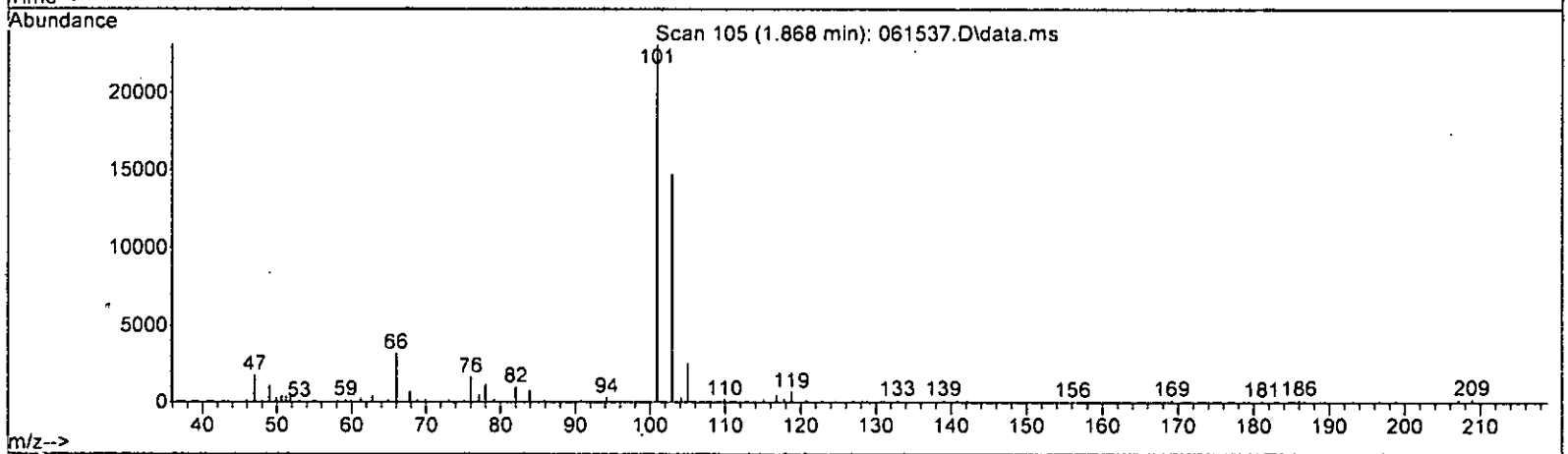
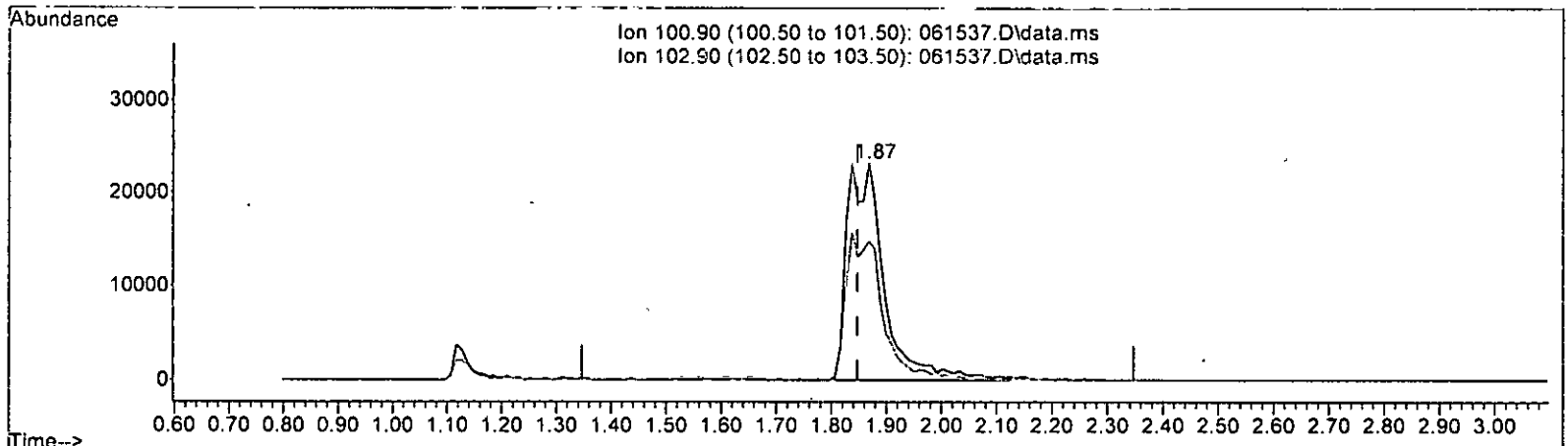
MD/16

| (9) Trichlorofluoromethane (TMP) | | | |
|----------------------------------|--------|--------|--|
| 1.837min (-0.010) 4.520 ppb | | | |
| response | 50567 | | |
| Ion | Exp% | Act% | |
| 100.90 | 100.00 | 100.00 | |
| 102.90 | 61.70 | 67.89 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



TIC: 061537.D\data.ms

| (9) Trichlorofluoromethane (TMP) | | | |
|----------------------------------|--------------|--------|--|
| 1.868min (+ 0.021) | 10.154 ppb m | | |
| response | 113603 | | |
| Ion | Exp% | Act% | |
| 100.90 | 100.00 | 100.00 | |
| 102.90 | 61.70 | 63.57 | |
| 0.00 | 0.00 | 0.00 | |
| 0.00 | 0.00 | 0.00 | |

MD/10

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
~~Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition~~
 Last Update : FRI JUN 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 89481 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 73929 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38811 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 27194 | 10.063 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.60% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5452 | 9.763 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 97.60% | | |
| 35) Toluene-d8 | 6.11 | 98 | 83593 | 9.740 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 97.40% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29866 | 10.158 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 101.60% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.34 | 45 | 577 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 75295 | 10.322 | ppb | | 90 |
| 5) Chloromethane | 1.26 | 50 | 66991 | 9.899 | ppb | | 98 |
| 6] Vinyl chloride | 1.35 | 62 | 55658 | 10.050 | ppb | | 99 |
| 7) Bromomethane | 1.59 | 94 | 46740 | 11.816 | ppb | | 98 |
| 8] Chloroethane | 1.65 | 64 | 26399 | 10.106 | ppb | | 95 |
| 9) Trichlorofluoromethane | 1.87 | 101 | 113603m | 10.154 | ppb | | |
| 10) 2-Propanol | 2.34 | 45 | 577 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 12155 | 38.523 | ppb | # | 82 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 25867 | 11.011 | ppb | | 91 |
| 13) Hexane | 3.16 | 57 | 31450 | 10.242 | ppb | | 91 |
| 14) Methylene chloride | 2.69 | 84 | 21314 | 10.601 | ppb | | 88 |
| 15) t-Butyl alcohol (TBA) | 2.82 | 59 | 14840 | 51.411 | ppb | | 92 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 54763 | 10.179 | ppb | | 97 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 24891 | 10.757 | ppb | | 96 |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 78749 | 10.584 | ppb | | 96 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 40507 | 10.440 | ppb | | 92 |
| 20) Ethyl t-butyl ether (E...) | 3.66 | 87 | 25765 | 10.834 | ppb | | 88 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 24693 | 9.960 | ppb | | 98 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 26565 | 10.616 | ppb | | 91 |
| 23) Chloroform | 4.04 | 83 | 41961 | 10.332 | ppb | | 90 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 77400 | 47.710 | ppb | | 97 |
| 25) t-Amyl methyl ether (T...) | 4.61 | 73 | 54303 | 10.424 | ppb | | 95 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 36248 | 10.652 | ppb | | 94 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 41178 | 10.332 | ppb | | 94 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 31008 | 10.746 | ppb | | 96 |
| 29) Carbon tetrachloride | 4.33 | 117 | 38098 | 10.447 | ppb | | 99 |
| 31] Benzene | 4.50 | 78 | 85215 | 10.377 | ppb | | 94 |
| 32] Trichloroethene | 5.05 | 95 | 30084 | 10.934 | ppb | # | 73 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 20648 | 9.855 | ppb | | 98 |
| 34) Bromodichloromethane | 5.48 | 83 | 31212 | 10.413 | ppb | | 98 |
| 36) Dibromomethane | 5.34 | 93 | 16145 | 10.744 | ppb | | 92 |

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 5CV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 21753 | 52.266 | ppb | 93 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 34584 | 10.713 | ppb | 97 |
| 40] Toluene | 6.16 | 92 | 59700 | 10.623 | ppb | 90 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 33015 | 10.503 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 17402 | 10.285 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 104927 | 48.391 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 31643 | 10.659 | ppb | 96 |
| 45] Tetrachloroethene | 6.65 | 164 | 29667 | 10.744 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 31323 | 10.722 | ppb | 95 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 26510 | 10.495 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 71869 | 10.579 | ppb | 96 |
| 49] Ethylbenzene | 7.54 | 91 | 111800 | 10.417 | ppb | 98 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 29017 | 10.808 | ppb | 95 |
| 51] m,p-Xylene | 7.64 | 106 | 91818 | 20.793 | ppb | 99 |
| 52] o-Xylene | 8.01 | 106 | 44427 | 10.354 | ppb | 98 |
| 53) Styrene | 8.03 | 104 | 69034 | 10.679 | ppb | 98 |
| 54) Isopropylbenzene | 8.37 | 105 | 102252 | 10.343 | ppb | 96 |
| 55) Bromoform | 8.19 | 173 | 21495 | 9.808 | ppb | 97 |
| 58) n-Propylbenzene | 8.76 | 91 | 117044 | 10.912 | ppb | 92 |
| 59) Bromobenzene | 8.65 | 156 | 33300 | 10.494 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 90643 | 11.127 | ppb | 100 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 23609 | 10.765 | ppb | 96 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 19802 | 10.959 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 70987 | 11.286 | ppb | 99 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 85051 | 11.230 | ppb | 97 |
| 65) tert-Butylbenzene | 9.25 | 119 | 84830 | 11.030 | ppb | 97 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 92667 | 10.910 | ppb | 99 |
| 67) sec-Butylbenzene | 9.46 | 105 | 115881 | 11.089 | ppb | 97 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 105651 | 11.025 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 61360 | 11.077 | ppb | 99 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 60904 | 10.949 | ppb | 98 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 57410 | 10.889 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 5215 | 10.993 | ppb | 95 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 41872 | 11.100 | ppb | 95 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 24650 | 11.144 | ppb | 91 |
| 75) Naphthalene | 11.83 | 128 | 91031 | 10.988 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 38670 | 10.764 | ppb | 95 |

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

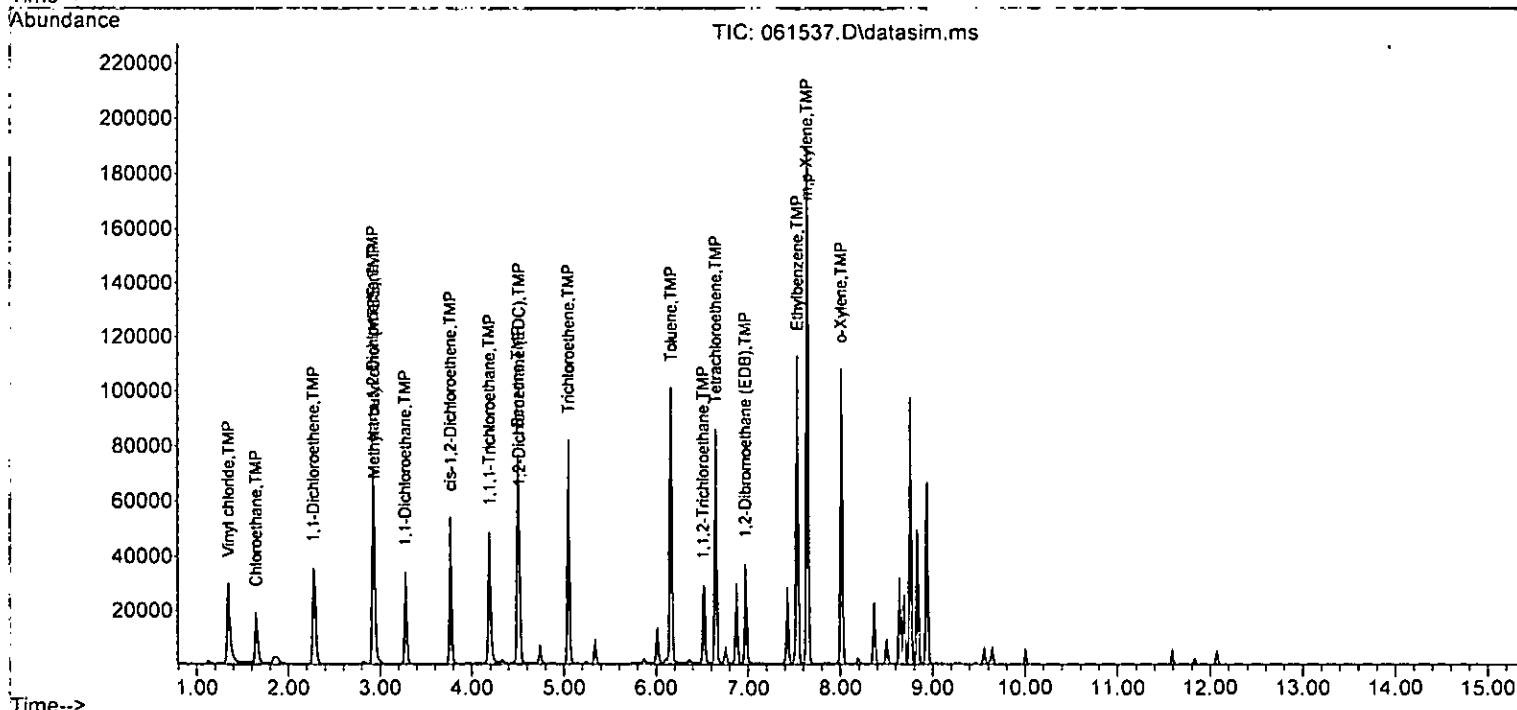
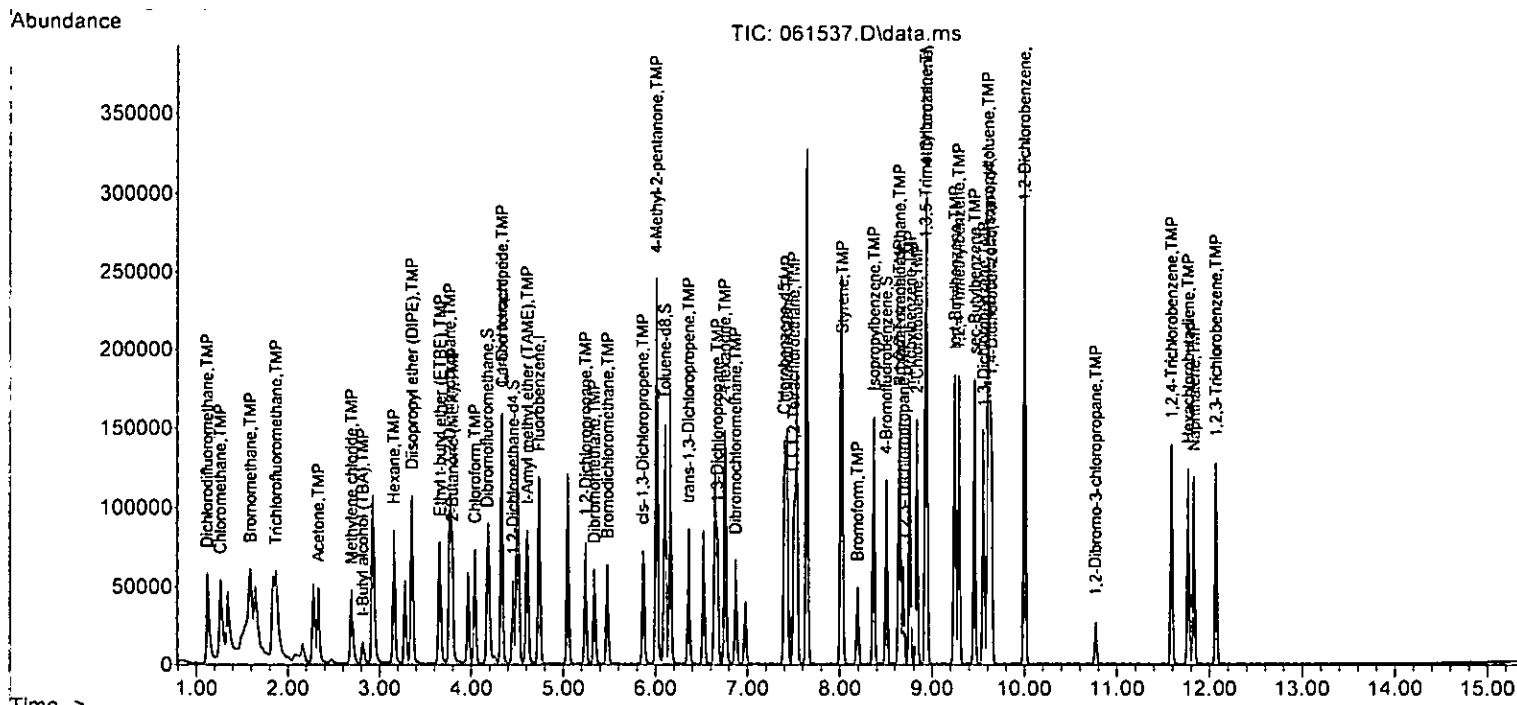
Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition

Last Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration

DataAcq Meth:VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
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Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 10.000 | 10.000 | 0.0 | 103 | 0.00 |
| 2 TMP Ethanol | -1.000 | 0.000 | 0.0 | 122 | 0.02 |
| 3 S Dibromofluoromethane | 10.000 | 10.063 | -0.6 | 104 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 10.000 | 10.322 | -3.2 | 98 | 0.01 |
| 5 TMP Chloromethane | 10.000 | 9.899 | 1.0 | 106 | 0.01 |
| 6 TMP Vinyl chloride | 10.000 | 10.050 | -0.5 | 101 | 0.02 |
| 7 TMP Bromomethane | 10.000 | 11.816 | -18.2 | 106 | 0.02 |
| 8 TMP Chloroethane | 10.000 | 10.106 | -1.1 | 101 | 0.01 |
| 9 TMP Trichlorofluoromethane | 10.000 | 10.154 | -1.5 | 110 | 0.02 |
| 10 TMP 2-Propanol | -1.000 | 0.000 | 0.0 | 122 | 0.02 |
| 11 TMP Acetone | 50.000 | 38.523 | 23.0# | 82 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 10.000 | 11.011 | -10.1 | 112 | 0.01 |
| 13 TMP Hexane | 10.000 | 10.242 | -2.4 | 105 | 0.01 |
| 14 TMP Methylene chloride | 10.000 | 10.601 | -6.0 | 110 | 0.01 |
| 15 TMP t-Butyl alcohol (TBA) | 50.000 | 51.411 | -2.8 | 109 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 10.000 | 10.179 | -1.8 | 106 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 10.000 | 10.757 | -7.6 | 111 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 10.000 | 10.584 | -5.8 | 108 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 10.000 | 10.440 | -4.4 | 109 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 10.000 | 10.834 | -8.3 | 108 | 0.01 |
| 21 TMP 2,2-Dichloropropane | 10.000 | 9.960 | 0.4 | 96 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 10.000 | 10.616 | -6.2 | 110 | 0.01 |
| 23 TMP Chloroform | 10.000 | 10.332 | -3.3 | 107 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 50.000 | 47.710 | 4.6 | 94 | 0.01 |
| 25 TMP t-Amyl methyl ether (TAME) | 10.000 | 10.424 | -4.2 | 108 | 0.01 |
| 26 TMP 1,2-Dichloroethane (EDC) | 10.000 | 10.652 | -6.5 | 106 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 10.000 | 10.332 | -3.3 | 107 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 10.000 | 10.746 | -7.5 | 110 | 0.01 |
| 29 TMP Carbon tetrachloride | 10.000 | 10.447 | -4.5 | 104 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 10.000 | 9.763 | 2.4 | 102 | 0.00 |
| 31 TMP Benzene | 10.000 | 10.377 | -3.8 | 109 | 0.01 |
| 32 TMP Trichloroethene | 10.000 | 10.934 | -9.3 | 112 | 0.01 |
| 33 TMP 1,2-Dichloropropane | 10.000 | 9.855 | 1.4 | 103 | 0.01 |
| 34 TMP Bromodichloromethane | 10.000 | 10.413 | -4.1 | 109 | 0.00 |
| 35 S Toluene-d8 | 10.000 | 9.740 | 2.6 | 100 | 0.00 |
| 36 TMP Dibromomethane | 10.000 | 10.744 | -7.4 | 113 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 50.000 | 52.266 | -4.5 | 111 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 10.000 | 10.713 | -7.1 | 108 | 0.00 |
| 39 I Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 102 | 0.00 |
| 40 TMP Toluene | 10.000 | 10.623 | -6.2 | 107 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 10.000 | 10.503 | -5.0 | 109 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 10.000 | 10.285 | -2.9 | 105 | 0.00 |
| 43 TMP 2-Hexanone | 50.000 | 48.391 | 3.2 | 97 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----|---------------------------------|--------|--------|-------|-------|----------|
| 44 | TMP 1,3-Dichloropropane | 10.000 | 10.659 | -6.6 | 107 | 0.00 |
| 45 | TMP Tetrachloroethene | 10.000 | 10.744 | -7.4 | 108 | 0.00 |
| 46 | TMP Dibromochloromethane | 10.000 | 10.722 | -7.2 | 103 | 0.00 |
| 47 | TMP 1,2-Dibromoethane (EDB) | 10.000 | 10.495 | -4.9 | 107 | 0.00 |
| 48 | TMP Chlorobenzene | 10.000 | 10.579 | -5.8 | 109 | 0.00 |
| 49 | TMP Ethylbenzene | 10.000 | 10.417 | -4.2 | 108 | 0.00 |
| 50 | TMP 1,1,1,2-Tetrachloroethane | 10.000 | 10.808 | -8.1 | 109 | 0.00 |
| 51 | TMP m,p-Xylene | 20.000 | 20.793 | -4.0 | 106 | 0.00 |
| 52 | TMP o-Xylene | 10.000 | 10.354 | -3.5 | 107 | 0.00 |
| 53 | TMP Styrene | 10.000 | 10.679 | -6.8 | 107 | 0.00 |
| 54 | TMP Isopropylbenzene | 10.000 | 10.343 | -3.4 | 103 | 0.00 |
| 55 | TMP Bromoform | 10.000 | 9.808 | 1.9 | 102 | 0.00 |
| 56 | I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 96 | 0.00 |
| 57 | S 4-Bromofluorobenzene | 10.000 | 10.158 | -1.6 | 97 | 0.00 |
| 58 | TMP n-Propylbenzene | 10.000 | 10.912 | -9.1 | 106 | 0.00 |
| 59 | TMP Bromobenzene | 10.000 | 10.494 | -4.9 | 104 | 0.00 |
| 60 | TMP 1,3,5-Trimethylbenzene | 10.000 | 11.127 | -11.3 | 107 | 0.00 |
| 61 | TMP 1,1,2,2-Tetrachloroethane | 10.000 | 10.765 | -7.7 | 101 | 0.00 |
| 62 | TMP 1,2,3-Trichloropropane | 10.000 | 10.959 | -9.6 | 107 | 0.00 |
| 63 | TMP 2-Chlorotoluene | 10.000 | 11.286 | -12.9 | 109 | 0.00 |
| 64 | TMP 4-Chlorotoluene | 10.000 | 11.230 | -12.3 | 109 | 0.00 |
| 65 | TMP tert-Butylbenzene | 10.000 | 11.030 | -10.3 | 104 | 0.00 |
| 66 | TMP 1,2,4-Trimethylbenzene | 10.000 | 10.910 | -9.1 | 104 | 0.00 |
| 67 | TMP sec-Butylbenzene | 10.000 | 11.089 | -10.9 | 107 | 0.00 |
| 68 | TMP p-Isopropyltoluene | 10.000 | 11.025 | -10.3 | 106 | 0.00 |
| 69 | TMP 1,3-Dichlorobenzene | 10.000 | 11.077 | -10.8 | 106 | 0.00 |
| 70 | TMP 1,4-Dichlorobenzene | 10.000 | 10.949 | -9.5 | 105 | 0.00 |
| 71 | TMP 1,2-Dichlorobenzene | 10.000 | 10.889 | -8.9 | 106 | 0.00 |
| 72 | TMP 1,2-Dibromo-3-chloropropane | 10.000 | 10.993 | -9.9 | 101 | 0.00 |
| 73 | TMP 1,2,4-Trichlorobenzene | 10.000 | 11.100 | -11.0 | 105 | 0.00 |
| 74 | TMP Hexachlorobutadiene | 10.000 | 11.144 | -11.4 | 107 | 0.00 |
| 75 | TMP Naphthalene | 10.000 | 10.988 | -9.9 | 105 | 0.00 |
| 76 | TMP 1,2,3-Trichlorobenzene | 10.000 | 10.764 | -7.6 | 105 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition

QLast Update : Fri Jun 16 07:37:11 2023

Response via : Initial Calibration

DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|-------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 122 | 0.02 |
| 3 S Dibromofluoromethane | 0.302 | 0.304 | -0.7 | 104 | 0.01 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.841 | -3.2 | 98 | 0.01 |
| 5 TMP Chloromethane | 0.756 | 0.749 | 0.9 | 106 | 0.01 |
| 6 TMP Vinyl chloride | 0.628 | 0.622 | 1.0 | 101 | 0.02 |
| 7 TMP Bromomethane | 0.442 | 0.522 | -18.1 | 106 | 0.02 |
| 8 TMP Chloroethane | 0.292 | 0.295 | -1.0 | 101 | 0.01 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.270 | -1.6 | 110 | 0.02 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 122 | 0.02 |
| 11 TMP Acetone | 0.035 | 0.027 | 22.9# | 82 | 0.01 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.289 | -2.5 | 112 | 0.01 |
| 13 TMP Hexane | 0.343 | 0.351 | -2.3 | 105 | 0.01 |
| 14 TMP Methylene chloride | 0.225 | 0.238 | -5.8 | 110 | 0.01 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.033 | -3.1 | 109 | 0.01 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.612 | -1.8 | 106 | 0.01 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.278 | -7.3 | 111 | 0.01 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.880 | -5.8 | 108 | 0.01 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.453 | -4.4 | 109 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.288 | -8.3 | 108 | 0.01 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.276 | 8.3 | 96 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.297 | -6.1 | 110 | 0.01 |
| 23 TMP Chloroform | 0.454 | 0.469 | -3.3 | 107 | 0.01 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.173 | 4.4 | 94 | 0.01 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.607 | -4.3 | 108 | 0.01 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.405 | 8.4 | 106 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.460 | -3.4 | 107 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.347 | -7.8 | 110 | 0.01 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.426 | -4.4 | 104 | 0.01 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.061 | 1.6 | 102 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.952 | -3.7 | 109 | 0.01 |
| 32 TMP Trichloroethene | 0.319 | 0.336 | -5.3 | 112 | 0.01 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.231 | 1.3 | 103 | 0.01 |
| 34 TMP Bromodichloromethane | 0.335 | 0.349 | -4.2 | 109 | 0.00 |
| 35 S Toluene-d8 | 0.959 | 0.934 | 2.6 | 100 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.180 | -7.1 | 113 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.049 | -4.3 | 111 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.386 | -6.9 | 108 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.808 | 2.8 | 107 | 0.00 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.447 | -5.2 | 109 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.235 | -2.6 | 105 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.284 | 3.1 | 97 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-15-23\
 Data File : 061537.D
 Acq On : 15 Jun 2023 10:08 pm
 Operator : MD
 Sample : 10 ppb 8260 SCV 69-115c
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 16 07:38:52 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|-------|-------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.428 | -6.5 | 107 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.401 | -1.3 | 108 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.424 | -7.3 | 103 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.359 | 0.8 | 107 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.972 | -5.8 | 109 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.512 | -4.1 | 108 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.392 | -8.0 | 109 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.621 | -4.0 | 106 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.601 | -3.6 | 107 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.934 | -6.9 | 107 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.383 | -3.4 | 103 | 0.00 |
| 55 TMP Bromoform | 0.296 | 0.291 | 1.7 | 102 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.770 | -1.6 | 97 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 3.016 | -9.1 | 106 | 0.00 |
| 59 TMP Bromobenzene | 0.818 | 0.858 | -4.9 | 104 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.335 | -11.2 | 107 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.608 | -1.5 | 101 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.510 | -9.4 | 107 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.829 | -12.8 | 109 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 2.191 | -12.3 | 109 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.186 | -10.3 | 104 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.388 | -9.1 | 104 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.986 | -10.9 | 107 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.722 | -10.2 | 106 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.581 | -10.8 | 106 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.569 | -9.5 | 105 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.479 | -8.9 | 106 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.134 | -9.8 | 101 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 1.079 | -11.0 | 105 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.635 | -11.4 | 107 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.345 | -9.8 | 105 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.996 | -7.6 | 105 | 0.00 |

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

EPA 8260D
CCV Summaries

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85564 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 73015 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39463 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 25430 | 9.841 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.40% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5637 | 10.556 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 84 - 120 | Recovery | = | 105.60% | | |
| 35) Toluene-d8 | 6.11 | 98 | 83029 | 10.117 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 73 - 128 | Recovery | = | 101.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29266 | 9.789 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 57 - 146 | Recovery | = | 97.90% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.32 | 45 | 406 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.11 | 85 | 75059 | 10.761 | ppb | | 99 |
| 5) Chloromethane | 1.25 | 50 | 67157 | 10.378 | ppb | | 97 |
| 6] Vinyl chloride | 1.33 | 62 | 54080 | 10.212 | ppb | | 97 |
| 7) Bromomethane | 1.57 | 94 | 45963 | 12.152 | ppb | | 90 |
| 8] Chloroethane | 1.64 | 64 | 26589 | 10.645 | ppb | | 88 |
| 9) Trichlorofluoromethane | 1.86 | 101 | 107219 | 10.022 | ppb | | 100 |
| 10) 2-Propanol | 2.32 | 45 | 406 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 17109 | 56.707 | ppb | # | 85 |
| 12] 1,1-Dichloroethene | 2.26 | 96 | 25391 | 11.303 | ppb | | 96 |
| 13) Hexane | 3.15 | 57 | 23740 | 8.085 | ppb | | 94 |
| 14) Methylene chloride | 2.68 | 84 | 20734 | 10.784 | ppb | | 97 |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 14895 | 53.964 | ppb | | 92 |
| 16] Methyl t-butyl ether (... | 2.92 | 73 | 53929 | 10.483 | ppb | | 97 |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 22860 | 10.331 | ppb | | 98 |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 75737 | 10.645 | ppb | | 97 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 38446 | 10.362 | ppb | | 99 |
| 20) Ethyl t-butyl ether (E... | 3.65 | 87 | 24842 | 10.924 | ppb | | 91 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 27345 | 11.554 | ppb | | 91 |
| 22] cis-1,2-Dichloroethene | 3.76 | 96 | 25071 | 10.478 | ppb | | 98 |
| 23) Chloroform | 4.03 | 83 | 39516 | 10.176 | ppb | | 98 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 74107 | 47.772 | ppb | | 99 |
| 25) t-Amyl methyl ether (T... | 4.60 | 73 | 52298 | 10.499 | ppb | | 99 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 33968 | 10.439 | ppb | | 98 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 39392 | 10.336 | ppb | | 99 |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 28085 | 10.179 | ppb | | 97 |
| 29) Carbon tetrachloride | 4.32 | 117 | 37319 | 10.702 | ppb | | 97 |
| 31] Benzene | 4.49 | 78 | 80333 | 10.231 | ppb | | 99 |
| 32] Trichloroethene | 5.04 | 95 | 26994 | 10.259 | ppb | | 95 |
| 33) 1,2-Dichloropropane | 5.23 | 63 | 19818 | 9.891 | ppb | | 96 |
| 34) Bromodichloromethane | 5.47 | 83 | 29576 | 10.319 | ppb | | 93 |
| 36) Dibromomethane | 5.34 | 93 | 15506 | 10.792 | ppb | | 88 |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

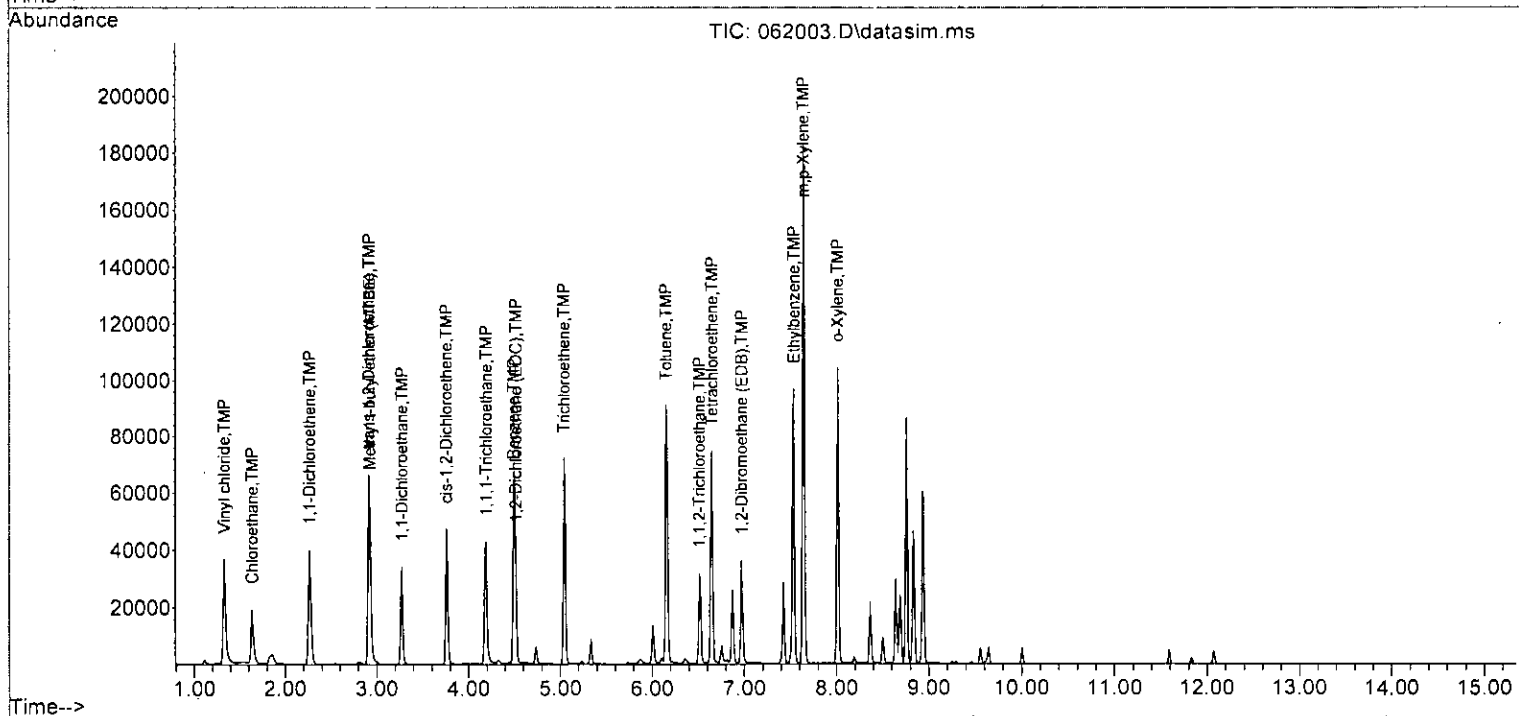
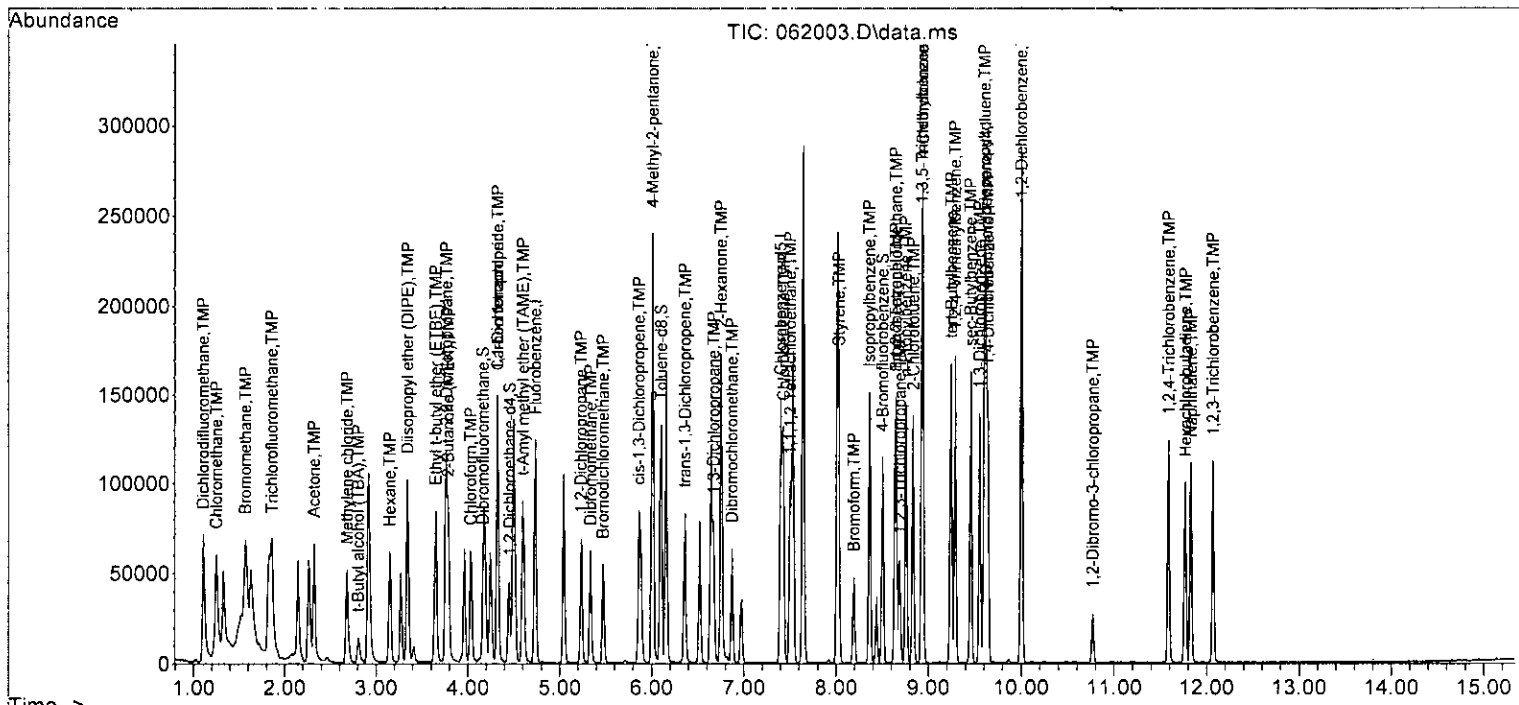
Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 21372 | 53.702 | ppb | # 83 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 33016 | 10.696 | ppb | 97 |
| 40] Toluene | 6.15 | 92 | 56310 | 10.144 | ppb | 99 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 30457 | 9.811 | ppb | 98 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 16585 | 9.925 | ppb | 98 |
| 43) 2-Hexanone | 6.75 | 43 | 109286 | 51.032 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 30378 | 10.361 | ppb | 93 |
| 45] Tetrachloroethene | 6.65 | 164 | 27069 | 9.925 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 29162 | 10.107 | ppb | 95 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 24909 | 9.985 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 68037 | 10.140 | ppb | 94 |
| 49] Ethylbenzene | 7.54 | 91 | 103237 | 9.740 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 27168 | 10.246 | ppb | 92 |
| 51] m,p-Xylene | 7.64 | 106 | 85057 | 19.503 | ppb | 99 |
| 52] o-Xylene | 8.01 | 106 | 41346 | 9.757 | ppb | 98 |
| 53) Styrene | 8.03 | 104 | 63352 | 9.922 | ppb | 96 |
| 54) Isopropylbenzene | 8.36 | 105 | 97123 | 9.948 | ppb | 99 |
| 55) Bromoform | 8.19 | 173 | 20820 | 9.619 | ppb | 98 |
| 58) n-Propylbenzene | 8.75 | 91 | 107551 | 9.861 | ppb | 96 |
| 59) Bromobenzene | 8.65 | 156 | 32261 | 9.998 | ppb | 94 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 85371 | 10.307 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 22769 | 10.206 | ppb | 96 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 17957 | 9.774 | ppb | 95 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 65406 | 10.227 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 74500 | 9.674 | ppb | 95 |
| 65) tert-Butylbenzene | 9.25 | 119 | 80015 | 10.232 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 84392 | 9.772 | ppb | 99 |
| 67) sec-Butylbenzene | 9.45 | 105 | 105690 | 9.946 | ppb | 100 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 95225 | 9.773 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.55 | 146 | 56648 | 10.057 | ppb | 98 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 55922 | 9.887 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 54330 | 10.135 | ppb | 97 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 4809 | 9.970 | ppb | 93 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 37293 | 9.723 | ppb | 95 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 20582 | 9.152 | ppb | 95 |
| 75) Naphthalene | 11.83 | 128 | 85361 | 10.134 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 36153 | 9.897 | ppb | 99 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|--------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I | Fluorobenzene | 10.000 | 10.000 | 0.0 | 99 | 0.00 |
| 2 TMP | Ethanol | -1.000 | 0.000 | 0.0 | 86 | 0.00 |
| 3 S | Dibromofluoromethane | 10.000 | 9.841 | 1.6 | 97 | 0.00 |
| 4 TMP | Dichlorodifluoromethane | 10.000 | 10.761 | -7.6 | 98 | 0.00 |
| 5 TMP | Chloromethane | 10.000 | 10.378 | -3.8 | 107 | 0.00 |
| 6 TMP | Vinyl chloride | 10.000 | 10.212 | -2.1 | 98 | 0.00 |
| 7 TMP | Bromomethane | 10.000 | 12.152 | -21.5# | 105 | 0.00 |
| 8 TMP | Chloroethane | 10.000 | 10.645 | -6.4 | 102 | 0.00 |
| 9 TMP | Trichlorofluoromethane | 10.000 | 10.022 | -0.2 | 104 | 0.01 |
| 10 TMP | 2-Propanol | -1.000 | 0.000 | 0.0 | 86 | 0.00 |
| 11 TMP | Acetone | 50.000 | 56.707 | -13.4 | 115 | 0.00 |
| 12 TMP | 1,1-Dichloroethene | 10.000 | 11.303 | -13.0 | 110 | 0.00 |
| 13 TMP | Hexane | 10.000 | 8.085 | 19.1 | 80 | 0.00 |
| 14 TMP | Methylene chloride | 10.000 | 10.784 | -7.8 | 107 | 0.00 |
| 15 TMP | t-Butyl alcohol (TBA) | 50.000 | 53.964 | -7.9 | 110 | 0.00 |
| 16 TMP | Methyl t-butyl ether (MTBE) | 10.000 | 10.483 | -4.8 | 104 | 0.00 |
| 17 TMP | trans-1,2-Dichloroethene | 10.000 | 10.331 | -3.3 | 102 | 0.00 |
| 18 TMP | Diisopropyl ether (DIPE) | 10.000 | 10.645 | -6.4 | 104 | 0.00 |
| 19 TMP | 1,1-Dichloroethane | 10.000 | 10.362 | -3.6 | 103 | 0.00 |
| 20 TMP | Ethyl t-butyl ether (ETBE) | 10.000 | 10.924 | -9.2 | 104 | 0.00 |
| 21 TMP | 2,2-Dichloropropane | 10.000 | 11.554 | -15.5 | 107 | 0.00 |
| 22 TMP | cis-1,2-Dichloroethene | 10.000 | 10.478 | -4.8 | 104 | 0.00 |
| 23 TMP | Chloroform | 10.000 | 10.176 | -1.8 | 101 | 0.00 |
| 24 TMP | 2-Butanone (MEK) | 50.000 | 47.772 | 4.5 | 90 | 0.00 |
| 25 TMP | t-Amyl methyl ether (TAME) | 10.000 | 10.499 | -5.0 | 104 | 0.00 |
| 26 TMP | 1,2-Dichloroethane (EDC) | 10.000 | 10.439 | -4.4 | 99 | 0.00 |
| 27 TMP | 1,1,1-Trichloroethane | 10.000 | 10.336 | -3.4 | 103 | 0.00 |
| 28 TMP | 1,1-Dichloropropene | 10.000 | 10.179 | -1.8 | 100 | 0.00 |
| 29 TMP | Carbon tetrachloride | 10.000 | 10.702 | -7.0 | 102 | 0.00 |
| 30 S | 1,2-Dichloroethane-d4 | 10.000 | 10.556 | -5.6 | 105 | 0.00 |
| 31 TMP | Benzene | 10.000 | 10.231 | -2.3 | 103 | 0.00 |
| 32 TMP | Trichloroethene | 10.000 | 10.259 | -2.6 | 101 | 0.00 |
| 33 TMP | 1,2-Dichloropropane | 10.000 | 9.891 | 1.1 | 99 | 0.00 |
| 34 TMP | Bromodichloromethane | 10.000 | 10.319 | -3.2 | 103 | -0.01 |
| 35 S | Toluene-d8 | 10.000 | 10.117 | -1.2 | 99 | 0.00 |
| 36 TMP | Dibromomethane | 10.000 | 10.792 | -7.9 | 108 | 0.00 |
| 37 TMP | 4-Methyl-2-pentanone | 50.000 | 53.702 | -7.4 | 109 | 0.00 |
| 38 TMP | cis-1,3-Dichloropropene | 10.000 | 10.696 | -7.0 | 103 | 0.00 |
| 39 I | Chlorobenzene-d5 | 10.000 | 10.000 | 0.0 | 101 | 0.00 |
| 40 TMP | Toluene | 10.000 | 10.144 | -1.4 | 101 | -0.01 |
| 41 TMP | trans-1,3-Dichloropropene | 10.000 | 9.811 | 1.9 | 100 | 0.00 |
| 42 TMP | 1,1,2-Trichloroethane | 10.000 | 9.925 | 0.7 | 100 | 0.00 |
| 43 TMP | 2-Hexanone | 50.000 | 51.032 | -2.1 | 101 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|------------------------------------|--------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 10.000 | 10.361 | -3.6 | 103 | 0.00 |
| 45 TMP Tetrachloroethene | 10.000 | 9.925 | 0.7 | 99 | 0.00 |
| 46 TMP Dibromochloromethane | 10.000 | 10.107 | -1.1 | 96 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 10.000 | 9.985 | 0.2 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 10.000 | 10.140 | -1.4 | 104 | 0.00 |
| 49 TMP Ethylbenzene | 10.000 | 9.740 | 2.6 | 99 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 10.000 | 10.246 | -2.5 | 103 | 0.00 |
| 51 TMP m,p-Xylene | 20.000 | 19.503 | 2.5 | 99 | 0.00 |
| 52 TMP o-Xylene | 10.000 | 9.757 | 2.4 | 100 | 0.00 |
| 53 TMP Styrene | 10.000 | 9.922 | 0.8 | 98 | 0.00 |
| 54 TMP Isopropylbenzene | 10.000 | 9.948 | 0.5 | 98 | -0.01 |
| 55 TMP Bromoform | 10.000 | 9.619 | 3.8 | 99 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 10.000 | 10.000 | 0.0 | 97 | 0.00 |
| 57 S 4-Bromofluorobenzene | 10.000 | 9.789 | 2.1 | 95 | 0.00 |
| 58 TMP n-Propylbenzene | 10.000 | 9.861 | 1.4 | 98 | -0.01 |
| 59 TMP Bromobenzene | 10.000 | 9.998 | 0.0 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 10.000 | 10.307 | -3.1 | 101 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 10.000 | 10.206 | -2.1 | 97 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 10.000 | 9.774 | 2.3 | 97 | 0.00 |
| 63 TMP 2-Chlorotoluene | 10.000 | 10.227 | -2.3 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 10.000 | 9.674 | 3.3 | 95 | 0.00 |
| 65 TMP tert-Butylbenzene | 10.000 | 10.232 | -2.3 | 98 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 10.000 | 9.772 | 2.3 | 95 | 0.00 |
| 67 TMP sec-Butylbenzene | 10.000 | 9.946 | 0.5 | 98 | 0.00 |
| 68 TMP p-Isopropyltoluene | 10.000 | 9.773 | 2.3 | 96 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 10.000 | 10.057 | -0.6 | 98 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 10.000 | 9.887 | 1.1 | 96 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 10.000 | 10.135 | -1.3 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 10.000 | 9.970 | 0.3 | 93 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 10.000 | 9.723 | 2.8 | 94 | 0.00 |
| 74 TMP Hexachlorobutadiene | 10.000 | 9.152 | 8.5 | 89 | 0.00 |
| 75 TMP Naphthalene | 10.000 | 10.134 | -1.3 | 99 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 10.000 | 9.897 | 1.0 | 99 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|--------|-------|----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 2 TMP Ethanol | 0.000 | 0.000# | 0.0 | 86 | 0.00 |
| 3 S Dibromofluoromethane | 0.302 | 0.297 | 1.7 | 97 | 0.00 |
| 4 TMP Dichlorodifluoromethane | 0.815 | 0.877 | -7.6 | 98 | 0.00 |
| 5 TMP Chloromethane | 0.756 | 0.785 | -3.8 | 107 | 0.00 |
| 6 TMP Vinyl chloride | 0.628 | 0.632 | -0.6 | 98 | 0.00 |
| 7 TMP Bromomethane | 0.442 | 0.537 | -21.5# | 105 | 0.00 |
| 8 TMP Chloroethane | 0.292 | 0.311 | -6.5 | 102 | 0.00 |
| 9 TMP Trichlorofluoromethane | 1.250 | 1.253 | -0.2 | 104 | 0.01 |
| 10 TMP 2-Propanol | 0.000 | 0.000 | 0.0 | 86 | 0.00 |
| 11 TMP Acetone | 0.035 | 0.040 | -14.3 | 115 | 0.00 |
| 12 TMP 1,1-Dichloroethene | 0.282 | 0.297 | -5.3 | 110 | 0.00 |
| 13 TMP Hexane | 0.343 | 0.277 | 19.2 | 80 | 0.00 |
| 14 TMP Methylene chloride | 0.225 | 0.242 | -7.6 | 107 | 0.00 |
| 15 TMP t-Butyl alcohol (TBA) | 0.032 | 0.035 | -9.4 | 110 | 0.00 |
| 16 TMP Methyl t-butyl ether (MTBE) | 0.601 | 0.630 | -4.8 | 104 | 0.00 |
| 17 TMP trans-1,2-Dichloroethene | 0.259 | 0.267 | -3.1 | 102 | 0.00 |
| 18 TMP Diisopropyl ether (DIPE) | 0.832 | 0.885 | -6.4 | 104 | 0.00 |
| 19 TMP 1,1-Dichloroethane | 0.434 | 0.449 | -3.5 | 103 | 0.00 |
| 20 TMP Ethyl t-butyl ether (ETBE) | 0.266 | 0.290 | -9.0 | 104 | 0.00 |
| 21 TMP 2,2-Dichloropropane | 0.301 | 0.320 | -6.3 | 107 | 0.00 |
| 22 TMP cis-1,2-Dichloroethene | 0.280 | 0.293 | -4.6 | 104 | 0.00 |
| 23 TMP Chloroform | 0.454 | 0.462 | -1.8 | 101 | 0.00 |
| 24 TMP 2-Butanone (MEK) | 0.181 | 0.173 | 4.4 | 90 | 0.00 |
| 25 TMP t-Amyl methyl ether (TAME) | 0.582 | 0.611 | -5.0 | 104 | 0.00 |
| 26 TMP 1,2-Dichloroethane (EDC) | 0.442 | 0.397 | 10.2 | 99 | 0.00 |
| 27 TMP 1,1,1-Trichloroethane | 0.445 | 0.460 | -3.4 | 103 | 0.00 |
| 28 TMP 1,1-Dichloropropene | 0.322 | 0.328 | -1.9 | 100 | 0.00 |
| 29 TMP Carbon tetrachloride | 0.408 | 0.436 | -6.9 | 102 | 0.00 |
| 30 S 1,2-Dichloroethane-d4 | 0.062 | 0.066 | -6.5 | 105 | 0.00 |
| 31 TMP Benzene | 0.918 | 0.939 | -2.3 | 103 | 0.00 |
| 32 TMP Trichloroethene | 0.319 | 0.315 | 1.3 | 101 | 0.00 |
| 33 TMP 1,2-Dichloropropane | 0.234 | 0.232 | 0.9 | 99 | 0.00 |
| 34 TMP Bromodichloromethane | 0.335 | 0.346 | -3.3 | 103 | -0.01 |
| 35 S Toluene-d8 | 0.959 | 0.970 | -1.1 | 99 | 0.00 |
| 36 TMP Dibromomethane | 0.168 | 0.181 | -7.7 | 108 | 0.00 |
| 37 TMP 4-Methyl-2-pentanone | 0.047 | 0.050 | -6.4 | 109 | 0.00 |
| 38 TMP cis-1,3-Dichloropropene | 0.361 | 0.386 | -6.9 | 103 | 0.00 |
| 39 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 40 TMP Toluene | 0.831 | 0.771 | 7.2 | 101 | -0.01 |
| 41 TMP trans-1,3-Dichloropropene | 0.425 | 0.417 | 1.9 | 100 | 0.00 |
| 42 TMP 1,1,2-Trichloroethane | 0.229 | 0.227 | 0.9 | 100 | 0.00 |
| 43 TMP 2-Hexanone | 0.293 | 0.299 | -2.0 | 101 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062003.D
 Acq On : 20 Jun 2023 06:53 am
 Operator : MD
 Sample : 10 ppb 8260 CCV 69-113N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|------------------------------------|-------|--------|------|-------|----------|
| 44 TMP 1,3-Dichloropropane | 0.402 | 0.416 | -3.5 | 103 | 0.00 |
| 45 TMP Tetrachloroethene | 0.396 | 0.371 | 6.3 | 99 | 0.00 |
| 46 TMP Dibromochloromethane | 0.395 | 0.399 | -1.0 | 96 | 0.00 |
| 47 TMP 1,2-Dibromoethane (EDB) | 0.362 | 0.341 | 5.8 | 100 | 0.00 |
| 48 TMP Chlorobenzene | 0.919 | 0.932 | -1.4 | 104 | 0.00 |
| 49 TMP Ethylbenzene | 1.452 | 1.414 | 2.6 | 99 | 0.00 |
| 50 TMP 1,1,1,2-Tetrachloroethane | 0.363 | 0.372 | -2.5 | 103 | 0.00 |
| 51 TMP m,p-Xylene | 0.597 | 0.582 | 2.5 | 99 | 0.00 |
| 52 TMP o-Xylene | 0.580 | 0.566 | 2.4 | 100 | 0.00 |
| 53 TMP Styrene | 0.874 | 0.868 | 0.7 | 98 | 0.00 |
| 54 TMP Isopropylbenzene | 1.337 | 1.330 | 0.5 | 98 | -0.01 |
| 55 TMP Bromoform | 0.296 | 0.285 | 3.7 | 99 | 0.00 |
| 56 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 57 S 4-Bromofluorobenzene | 0.758 | 0.742 | 2.1 | 95 | 0.00 |
| 58 TMP n-Propylbenzene | 2.764 | 2.725 | 1.4 | 98 | -0.01 |
| 59 TMP Bromobenzene | 0.818 | 0.817 | 0.1 | 100 | 0.00 |
| 60 TMP 1,3,5-Trimethylbenzene | 2.099 | 2.163 | -3.0 | 101 | 0.00 |
| 61 TMP 1,1,2,2-Tetrachloroethane | 0.599 | 0.577 | 3.7 | 97 | 0.00 |
| 62 TMP 1,2,3-Trichloropropane | 0.466 | 0.455# | 2.4 | 97 | 0.00 |
| 63 TMP 2-Chlorotoluene | 1.621 | 1.657 | -2.2 | 100 | 0.00 |
| 64 TMP 4-Chlorotoluene | 1.951 | 1.888 | 3.2 | 95 | 0.00 |
| 65 TMP tert-Butylbenzene | 1.982 | 2.028 | -2.3 | 98 | 0.00 |
| 66 TMP 1,2,4-Trimethylbenzene | 2.188 | 2.139 | 2.2 | 95 | 0.00 |
| 67 TMP sec-Butylbenzene | 2.693 | 2.678 | 0.6 | 98 | 0.00 |
| 68 TMP p-Isopropyltoluene | 2.469 | 2.413 | 2.3 | 96 | 0.00 |
| 69 TMP 1,3-Dichlorobenzene | 1.427 | 1.435 | -0.6 | 98 | 0.00 |
| 70 TMP 1,4-Dichlorobenzene | 1.433 | 1.417 | 1.1 | 96 | 0.00 |
| 71 TMP 1,2-Dichlorobenzene | 1.358 | 1.377 | -1.4 | 100 | 0.00 |
| 72 TMP 1,2-Dibromo-3-chloropropane | 0.122 | 0.122 | 0.0 | 93 | 0.00 |
| 73 TMP 1,2,4-Trichlorobenzene | 0.972 | 0.945 | 2.8 | 94 | 0.00 |
| 74 TMP Hexachlorobutadiene | 0.570 | 0.522 | 8.4 | 89 | 0.00 |
| 75 TMP Naphthalene | 2.135 | 2.163 | -1.3 | 99 | 0.00 |
| 76 TMP 1,2,3-Trichlorobenzene | 0.926 | 0.916 | 1.1 | 99 | 0.00 |

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

EPA 8260D
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst13\061523vms13.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration

Non-Spiked Sample: 062007.D

| Spike Sample | Spike Duplicate Sample |
|--------------------------------|------------------------|
| File ID : 062004.D | 062005.D |
| Sample : 03-1453 lcs | 03-1453 lcsd |
| Acq Time: 20 Jun 2023 07:16 am | 20 Jun 2023 07:40 am |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC Limits RPD | QC Limits % Rec |
|----------------------|-------------|-------------|-----------|---------|------------|----------|-----|---------------|-----------------|
| Ethanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Dichlorodifluorometh | 0.0 | 10 | 9 | 9 | 94 | 90 | 5 | 20 | 49-149 |
| Chloromethane | 0.2 | 10 | 10 | 9 | 99 | 87 | 13 | 20 | 34-143 |
| Vinyl chloride | 0.0 | 10 | 10 | 9 | 98 | 95 | 4 | 20 | 43-149 |
| Bromomethane | 0.0 | 10 | 11 | 10 | 110 | 104 | 6 | 20 | 28-182 |
| Chloroethane | 0.0 | 10 | 11 | 10 | 105 | 101 | 4 | 20 | 59-157 |
| Trichlorofluorometha | 0.0 | 10 | 11 | 9 | 106 | 93 | 13 | 20 | 59-141 |
| 2-Propanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Acetone | 1.8 | 50 | 38 | 37 | 73 | 70 | 4 | 20 | 20-139 |
| 1,1-Dichloroethene | 0.0 | 10 | 11 | 10 | 106 | 101 | 4 | 20 | 67-138 |
| Hexane | 0.0 | 10 | 9 | 9 | 90 | 91 | 1 | 20 | 50-161 |
| Methylene chloride | 1.0 | 10 | 11 | 10 | 95 | 93 | 2 | 20 | 29-192 |
| t-Butyl alcohol (TBA | 0.0 | 50 | 49 | 51 | 99 | 102 | 3 | 20 | 46-208 |
| Methyl t-butyl ether | 0.0 | 10 | 10 | 10 | 101 | 98 | 3 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 10 | 10 | 10 | 102 | 99 | 3 | 20 | 70-130 |
| Diisopropyl ether (D | 0.0 | 10 | 10 | 10 | 101 | 99 | 2 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 10 | 10 | 10 | 102 | 98 | 4 | 20 | 70-130 |
| Ethyl t-butyl ether | 0.0 | 10 | 11 | 11 | 107 | 105 | 2 | 20 | 70-128 |
| 2,2-Dichloropropane | 0.0 | 10 | 11 | 10 | 107 | 97 | 10 | 20 | 71-148 |
| cis-1,2-Dichloroethe | 0.0 | 10 | 10 | 10 | 104 | 99 | 4 | 20 | 70-130 |
| Chloroform | 0.0 | 10 | 10 | 10 | 101 | 95 | 6 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.1 | 50 | 46 | 45 | 91 | 89 | 2 | 20 | 50-157 |
| t-Amyl methyl ether | 0.0 | 10 | 11 | 10 | 106 | 98 | 8 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 10 | 10 | 10 | 104 | 100 | 3 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 10 | 10 | 10 | 100 | 98 | 2 | 20 | 70-130 |
| 1,1-Dichloropropene | 0.0 | 10 | 10 | 10 | 105 | 101 | 3 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 10 | 10 | 10 | 101 | 99 | 2 | 20 | 70-130 |
| Benzene | 0.0 | 10 | 10 | 10 | 101 | 97 | 4 | 20 | 70-130 |
| Trichloroethene | 0.0 | 10 | 10 | 9 | 101 | 93 | 8 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 10 | 10 | 10 | 101 | 97 | 4 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 10 | 10 | 10 | 99 | 103 | 4 | 20 | 70-130 |
| Dibromomethane | 0.0 | 10 | 10 | 10 | 102 | 101 | 0 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 50 | 50 | 51 | 100 | 102 | 2 | 20 | 70-130 |
| cis-1,3-Dichloroprop | 0.0 | 10 | 11 | 10 | 107 | 102 | 5 | 20 | 70-130 |
| Toluene | 0.0 | 10 | 10 | 10 | 104 | 100 | 4 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 10 | 10 | 10 | 101 | 100 | 0 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 10 | 10 | 10 | 102 | 100 | 2 | 20 | 70-130 |

| | | | | | | | | | |
|-----------------------|-----|----|----|----|-----|-----|---|----|--------|
| 2-Hexanone | 0.0 | 50 | 44 | 45 | 89 | 90 | 1 | 20 | 66-132 |
| 1,3-Dichloropropane | 0.0 | 10 | 10 | 10 | 102 | 97 | 5 | 20 | 70-130 |
| Tetrachloroethene | 0.0 | 10 | 10 | 10 | 103 | 102 | 1 | 20 | 70-130 |
| Dibromochloromethane | 0.0 | 10 | 10 | 10 | 103 | 105 | 2 | 20 | 63-142 |
| 1,2-Dibromoethane (E) | 0.0 | 10 | 10 | 10 | 103 | 102 | 1 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 10 | 10 | 10 | 105 | 100 | 4 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 10 | 10 | 10 | 101 | 99 | 2 | 20 | 70-130 |
| 1,1,1,2-Tetrachloroe | 0.0 | 10 | 10 | 10 | 103 | 101 | 3 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 20 | 20 | 20 | 101 | 99 | 2 | 20 | 70-130 |
| o-Xylene | 0.0 | 10 | 10 | 10 | 101 | 99 | 3 | 20 | 70-130 |
| Styrene | 0.0 | 10 | 10 | 10 | 102 | 102 | 0 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 10 | 10 | 10 | 101 | 102 | 0 | 20 | 70-130 |
| Bromoform | 0.0 | 10 | 10 | 10 | 101 | 100 | 1 | 20 | 50-157 |
| n-Propylbenzene | 0.0 | 10 | 10 | 10 | 99 | 100 | 1 | 20 | 70-130 |
| Bromobenzene | 0.0 | 10 | 10 | 10 | 102 | 100 | 2 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 10 | 10 | 10 | 102 | 101 | 1 | 20 | 52-150 |
| 1,1,2,2-Tetrachloroe | 0.0 | 10 | 11 | 11 | 108 | 109 | 1 | 20 | 75-140 |
| 1,2,3-Trichloropropa | 0.0 | 10 | 10 | 10 | 96 | 96 | 1 | 20 | 40-153 |
| 2-Chlorotoluene | 0.1 | 10 | 10 | 10 | 99 | 100 | 1 | 20 | 70-130 |
| 4-Chlorotoluene | 0.0 | 10 | 10 | 10 | 100 | 98 | 2 | 20 | 70-130 |
| tert-Butylbenzene | 0.0 | 10 | 10 | 10 | 102 | 101 | 1 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 10 | 10 | 10 | 102 | 99 | 3 | 20 | 70-130 |
| sec-Butylbenzene | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| p-Isopropyltoluene | 0.0 | 10 | 10 | 10 | 100 | 99 | 0 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 99 | 100 | 1 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 100 | 99 | 1 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 99 | 99 | 0 | 20 | 70-130 |
| 1,2-Dibromo-3-chloro | 0.0 | 10 | 9 | 9 | 95 | 95 | 0 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.1 | 10 | 10 | 10 | 99 | 97 | 2 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 10 | 9 | 9 | 94 | 94 | 0 | 20 | 70-130 |
| Naphthalene | 0.1 | 10 | 10 | 10 | 100 | 98 | 2 | 20 | 61-133 |
| 1,2,3-Trichlorobenze | 0.0 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 69-143 |

- Fails Limit Check

061523vms13.M

Wed Jun 21 08:26:38 2023

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst13\061523vms13.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration

Non-Spiked Sample: 062019.D

| Spike Sample | Spike Duplicate Sample |
|--------------------------------|------------------------|
| File ID : 062009.D | 062009.D |
| Sample : 306243-05 ms | 306243-05 ms |
| Acq Time: 20 Jun 2023 09:35 am | 20 Jun 2023 09:35 am |

| Compound | Sample Conc | Spike Added | Spike Res | Dup Res | Spike %Rec | Dup %Rec | RPD | QC RPD | Limits % Rec |
|----------------------|-------------|-------------|-----------|---------|------------|----------|-----|--------|--------------|
| Ethanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Dichlorodifluorometh | 0.0 | 10 | 9 | 9 | 88 | 88 | 0 | 20 | 49-149 |
| Chloromethane | 0.2 | 10 | 9 | 9 | 85 | 85 | 0 | 20 | 34-143 |
| Vinyl chloride | 0.0 | 10 | 9 | 9 | 90 | 90 | 0 | 20 | 43-149 |
| Bromomethane | 0.0 | 10 | 10 | 10 | 96 | 96 | 0 | 20 | 28-182 |
| Chloroethane | 0.0 | 10 | 9 | 9 | 93 | 93 | 0 | 20 | 59-157 |
| Trichlorofluorometha | 0.0 | 10 | 9 | 9 | 88 | 88 | 0 | 20 | 59-141 |
| 2-Propanol | 0.0 | 0 | 0 | 0 | 0 | 0 | 99# | 20 | 0-300 |
| Acetone | 2.1 | 50 | 34 | 34 | 64 | 64 | 0 | 20 | 20-139 |
| 1,1-Dichloroethene | 0.2 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 67-138 |
| Hexane | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 50-161 |
| Methylene chloride | 0.5 | 10 | 9 | 9 | 89 | 89 | 0 | 20 | 29-192 |
| t-Butyl alcohol (TBA | 0.0 | 50 | 47 | 47 | 95 | 95 | 0 | 20 | 46-208 |
| Methyl t-butyl ether | 0.0 | 10 | 9 | 9 | 88 | 88 | 0 | 20 | 70-130 |
| trans-1,2-Dichloroet | 0.0 | 10 | 9 | 9 | 94 | 94 | 0 | 20 | 70-130 |
| Diisopropyl ether (D | 0.0 | 10 | 9 | 9 | 91 | 91 | 0 | 20 | 70-130 |
| 1,1-Dichloroethane | 0.0 | 10 | 9 | 9 | 91 | 91 | 0 | 20 | 70-130 |
| Ethyl t-butyl ether | 0.0 | 10 | 9 | 9 | 93 | 93 | 0 | 20 | 70-128 |
| 2,2-Dichloropropane | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 71-148 |
| cis-1,2-Dichloroethe | 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| Chloroform | 0.0 | 10 | 9 | 9 | 89 | 89 | 0 | 20 | 70-130 |
| 2-Butanone (MEK) | 0.0 | 50 | 36 | 36 | 72 | 72 | 0 | 20 | 50-157 |
| t-Amyl methyl ether | 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| 1,2-Dichloroethane (| 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| 1,1,1-Trichloroethan | 0.0 | 10 | 9 | 9 | 89 | 89 | 0 | 20 | 70-130 |
| 1,1-Dichloropropene | 0.0 | 10 | 10 | 10 | 95 | 95 | 0 | 20 | 70-130 |
| Carbon tetrachloride | 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| Benzene | 0.0 | 10 | 9 | 9 | 90 | 90 | 0 | 20 | 70-130 |
| Trichloroethene | 0.1 | 10 | 9 | 9 | 87 | 87 | 0 | 20 | 70-130 |
| 1,2-Dichloropropane | 0.0 | 10 | 9 | 9 | 86 | 86 | 0 | 20 | 70-130 |
| Bromodichloromethane | 0.0 | 10 | 9 | 9 | 91 | 91 | 0 | 20 | 70-130 |
| Dibromomethane | 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| 4-Methyl-2-pentanone | 0.0 | 50 | 44 | 44 | 88 | 88 | 0 | 20 | 70-130 |
| cis-1,3-Dichloroprop | 0.0 | 10 | 9 | 9 | 91 | 91 | 0 | 20 | 70-130 |
| Toluene | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| trans-1,3-Dichloropr | 0.0 | 10 | 10 | 10 | 102 | 102 | 0 | 20 | 70-130 |
| 1,1,2-Trichloroethan | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |

| | | | | | | | | | |
|-----------------------|-----|----|----|----|-----|-----|---|----|--------|
| 2-Hexanone | 0.1 | 50 | 47 | 47 | 94 | 94 | 0 | 20 | 66-132 |
| 1,3-Dichloropropane | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| Tetrachloroethene | 0.0 | 10 | 11 | 11 | 105 | 105 | 0 | 20 | 70-130 |
| Dibromochloromethane | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 63-142 |
| 1,2-Dibromoethane (E) | 0.0 | 10 | 10 | 10 | 102 | 102 | 0 | 20 | 70-130 |
| Chlorobenzene | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| Ethylbenzene | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |
| 1,1,1,2-Tetrachloroe | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |
| m,p-Xylene | 0.0 | 20 | 20 | 20 | 102 | 102 | 0 | 20 | 70-130 |
| o-Xylene | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |
| Styrene | 0.0 | 10 | 10 | 10 | 102 | 102 | 0 | 20 | 70-130 |
| Isopropylbenzene | 0.0 | 10 | 10 | 10 | 104 | 104 | 0 | 20 | 70-130 |
| Bromoform | 0.0 | 10 | 10 | 10 | 96 | 96 | 0 | 20 | 50-157 |
| n-Propylbenzene | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |
| Bromobenzene | 0.0 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 70-130 |
| 1,3,5-Trimethylbenze | 0.0 | 10 | 10 | 10 | 104 | 104 | 0 | 20 | 52-150 |
| 1,1,2,2-Tetrachloroe | 0.0 | 10 | 11 | 11 | 107 | 107 | 0 | 20 | 75-140 |
| 1,2,3-Trichloropropa | 0.0 | 10 | 10 | 10 | 98 | 98 | 0 | 20 | 40-153 |
| 2-Chlorotoluene | 0.0 | 10 | 10 | 10 | 102 | 102 | 0 | 20 | 70-130 |
| 4-Chlorotoluene | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| tert-Butylbenzene | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| 1,2,4-Trimethylbenze | 0.0 | 10 | 10 | 10 | 100 | 100 | 0 | 20 | 70-130 |
| sec-Butylbenzene | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| p-Isopropyltoluene | 0.0 | 10 | 10 | 10 | 104 | 104 | 0 | 20 | 70-130 |
| 1,3-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 101 | 101 | 0 | 20 | 70-130 |
| 1,4-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| 1,2-Dichlorobenzene | 0.0 | 10 | 10 | 10 | 97 | 97 | 0 | 20 | 70-130 |
| 1,2-Dibromo-3-chloro | 0.0 | 10 | 9 | 9 | 92 | 92 | 0 | 20 | 70-130 |
| 1,2,4-Trichlorobenze | 0.0 | 10 | 10 | 10 | 99 | 99 | 0 | 20 | 70-130 |
| Hexachlorobutadiene | 0.0 | 10 | 10 | 10 | 103 | 103 | 0 | 20 | 70-130 |
| Naphthalene | 0.0 | 10 | 10 | 10 | 96 | 96 | 0 | 20 | 61-133 |
| 1,2,3-Trichlorobenze | 0.0 | 10 | 9 | 9 | 95 | 95 | 0 | 20 | 69-143 |

- Fails Limit Check

061523vms13.M

Wed Jun 21 08:27:24 2023

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 07:16 am
 Operator : MD
 Sample : 03-1453 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 83764 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 69364 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38636 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25269 | 9.989 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 99.90% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5321 | 10.179 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 71 - 132 | Recovery | = | 101.80% | |
| 35) Toluene-d8 | 6.11 | 98 | 81045 | 10.087 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 68 - 139 | Recovery | = | 100.90% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28705 | 9.807 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 62 - 136 | Recovery | = | 98.10% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.34 | 45 | 336 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 64470 | 9.441 | ppb | 99 | |
| 5) Chloromethane | 1.26 | 50 | 64044 | 10.110 | ppb | 92 | |
| 6] Vinyl chloride | 1.34 | 62 | 50851 | 9.809 | ppb | 95 | |
| 7) Bromomethane | 1.59 | 94 | 40738 | 11.002 | ppb | 92 | |
| 8] Chloroethane | 1.66 | 64 | 25785 | 10.545 | ppb | 91 | |
| 9) Trichlorofluoromethane | 1.87 | 101 | 110742 | 10.574 | ppb | 96 | |
| 10) 2-Propanol | 2.34 | 45 | 336 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 11304 | 38.271 | ppb | 92 | |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 23299 | 10.594 | ppb | 96 | |
| 13) Hexane | 3.16 | 57 | 25906 | 9.012 | ppb | 96 | |
| 14) Methylene chloride | 2.69 | 84 | 19797 | 10.518 | ppb | 89 | |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 13352 | 49.413 | ppb | 97 | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 50890 | 10.105 | ppb | 95 | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 22162 | 10.231 | ppb | 95 | |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 70652 | 10.144 | ppb | 94 | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 37130 | 10.222 | ppb | 93 | |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 23772 | 10.678 | ppb | 97 | |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 24839 | 10.712 | ppb | 93 | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 24245 | 10.350 | ppb | 89 | |
| 23) Chloroform | 4.04 | 83 | 38557 | 10.142 | ppb | 98 | |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 69504 | 45.767 | ppb | 97 | |
| 25) t-Amyl methyl ether (T...) | 4.61 | 73 | 51783 | 10.619 | ppb | 93 | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 32985 | 10.354 | ppb | 95 | |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 37279 | 9.992 | ppb | 95 | |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 28304 | 10.479 | ppb | 98 | |
| 29) Carbon tetrachloride | 4.33 | 117 | 34535 | 10.116 | ppb | 98 | |
| 31] Benzene | 4.50 | 78 | 77907 | 10.135 | ppb | 94 | |
| 32] Trichloroethene | 5.04 | 95 | 26052 | 10.114 | ppb | 93 | |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 19788 | 10.089 | ppb | 98 | |
| 34) Bromodichloromethane | 5.48 | 83 | 27721 | 9.880 | ppb | 94 | |
| 36) Dibromomethane | 5.34 | 93 | 14304 | 10.169 | ppb | 95 | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 07:16 am
 Operator : MD
 Sample : 03-1453 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

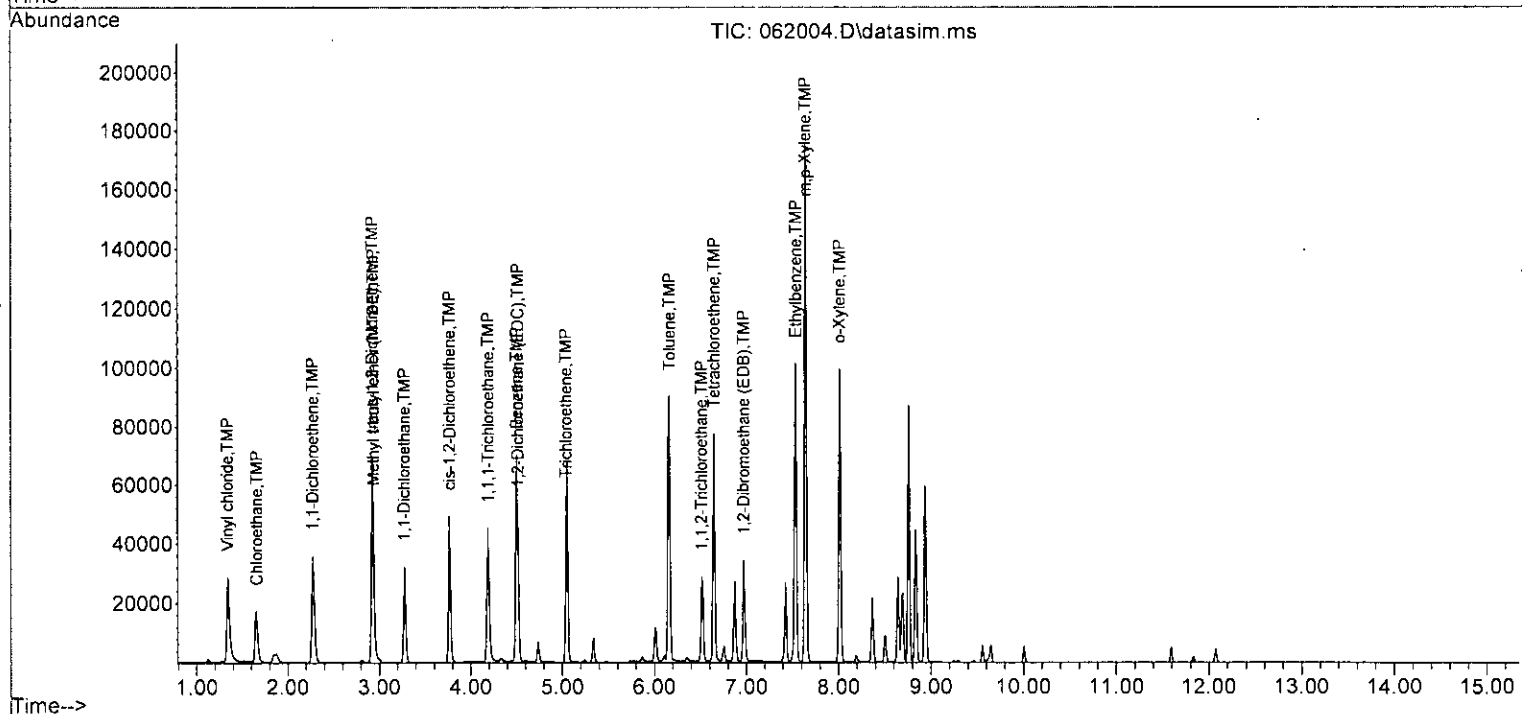
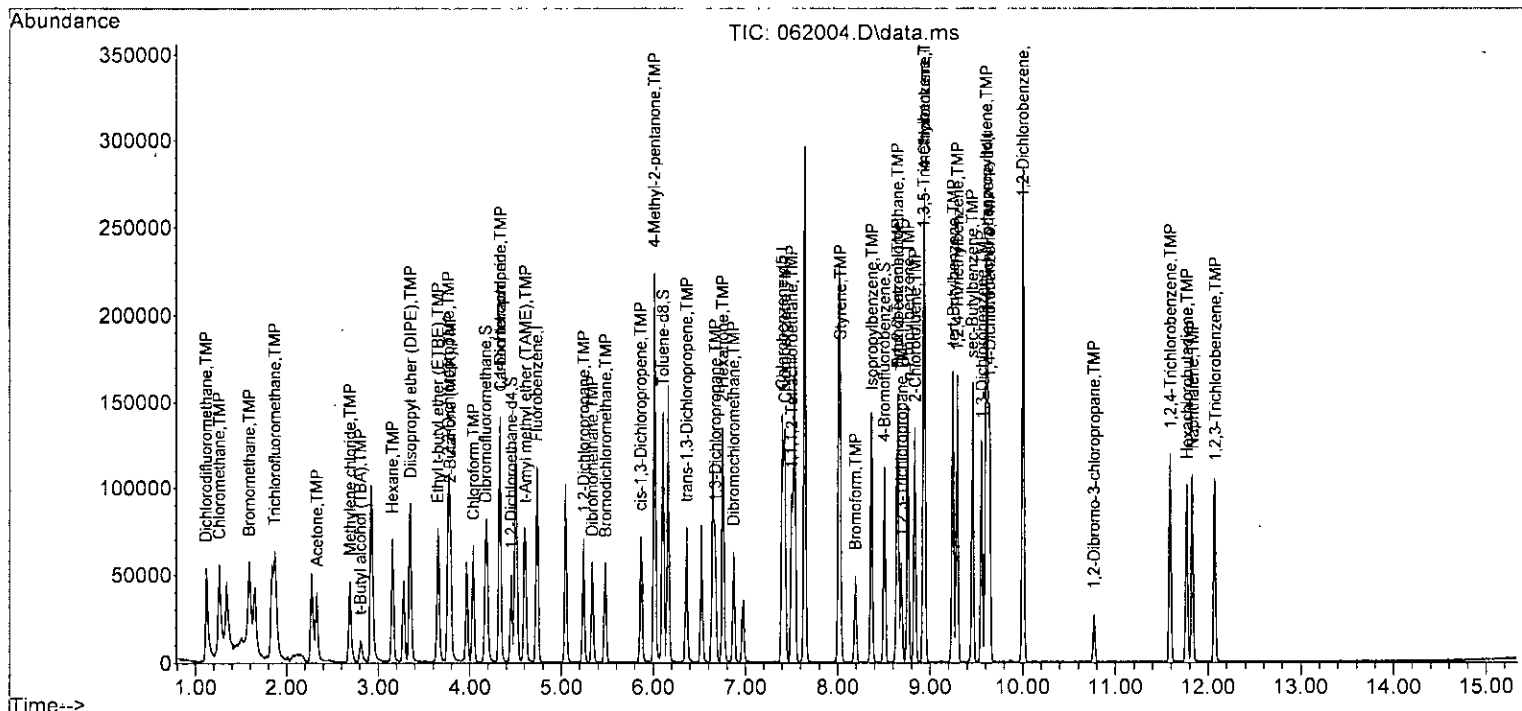
Quant Time: Jun 21 08:20:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 19428 | 49.866 | ppb | 93 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 32450 | 10.738 | ppb | 98 |
| 40] Toluene | 6.16 | 92 | 54792 | 10.391 | ppb | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 29674 | 10.062 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 16196 | 10.202 | ppb | 99 |
| 43) 2-Hexanone | 6.75 | 43 | 90089 | 44.282 | ppb | 99 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 28538 | 10.245 | ppb | 95 |
| 45] Tetrachloroethene | 6.65 | 164 | 26788 | 10.339 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 28185 | 10.283 | ppb | 99 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 24420 | 10.304 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 66691 | 10.463 | ppb | 95 |
| 49] Ethylbenzene | 7.54 | 91 | 102245 | 10.154 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 26035 | 10.335 | ppb | 95 |
| 51] m,p-Xylene | 7.64 | 106 | 84218 | 20.327 | ppb | 98 |
| 52] o-Xylene | 8.01 | 106 | 40876 | 10.154 | ppb | 98 |
| 53) Styrene | 8.03 | 104 | 62026 | 10.226 | ppb | 97 |
| 54) Isopropylbenzene | 8.37 | 105 | 94155 | 10.151 | ppb | 99 |
| 55) Bromoform | 8.19 | 173 | 20842 | 10.136 | ppb | 98 |
| 58) n-Propylbenzene | 8.76 | 91 | 106382 | 9.963 | ppb | 91 |
| 59) Bromobenzene | 8.65 | 156 | 32186 | 10.188 | ppb | 96 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 82690 | 10.197 | ppb | 98 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 23615 | 10.816 | ppb | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 17340 | 9.640 | ppb | 94 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 62301 | 9.950 | ppb | 94 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 75345 | 9.993 | ppb | 98 |
| 65) tert-Butylbenzene | 9.25 | 119 | 78212 | 10.215 | ppb | 95 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 86172 | 10.191 | ppb | 99 |
| 67) sec-Butylbenzene | 9.45 | 105 | 104429 | 10.038 | ppb | 98 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 95135 | 9.973 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.56 | 146 | 54572 | 9.896 | ppb | 96 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 55386 | 10.002 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 52163 | 9.939 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 4480 | 9.487 | ppb # | 72 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 37276 | 9.926 | ppb | 97 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 20728 | 9.414 | ppb | 96 |
| 75) Naphthalene | 11.83 | 128 | 82868 | 10.048 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 34601 | 9.675 | ppb | 96 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062004.D
 Acq On : 20 Jun 2023 07:16 am
 Operator : MD
 Sample : 03-1453 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062005.D
 Acq On : 20 Jun 2023 07:40 am
 Operator : MD
 Sample : 03-1453 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85439 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 71684 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39174 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 25530 | 9.894 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.90% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5751 | 10.786 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 107.90% | | |
| 35) Toluene-d8 | 6.11 | 98 | 81189 | 9.907 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 99.10% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29692 | 10.005 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 100.10% | | |
| Target Compounds | | | | | | | |
| 2) Ethanol | 2.33 | 45 | 269 | No Calib | | | Qvalue |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 62604 | 8.988 | ppb | 96 | |
| 5) Chloromethane | 1.25 | 50 | 57666 | 8.924 | ppb | 99 | |
| 6) Vinyl chloride | 1.34 | 62 | 50057 | 9.466 | ppb | 100 | |
| 7) Bromomethane | 1.58 | 94 | 39292 | 10.403 | ppb | 92 | |
| 8) Chloroethane | 1.65 | 64 | 25203 | 10.105 | ppb | 91 | |
| 9) Trichlorofluoromethane | 1.86 | 101 | 99416 | 9.307 | ppb | 96 | |
| 10) 2-Propanol | 2.33 | 45 | 269 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 11152 | 37.017 | ppb | 87 | |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 22744 | 10.139 | ppb | 97 | |
| 13) Hexane | 3.16 | 57 | 26682 | 9.100 | ppb | 99 | |
| 14) Methylene chloride | 2.68 | 84 | 19887 | 10.359 | ppb | 98 | |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 14064 | 51.028 | ppb | 89 | |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 50296 | 9.791 | ppb | 93 | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 21857 | 9.892 | ppb | 88 | |
| 18) Diisopropyl ether (DIPE) | 3.34 | 45 | 70375 | 9.906 | ppb | 96 | |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 36391 | 9.823 | ppb | 95 | |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 23870 | 10.512 | ppb | 90 | |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 22998 | 9.712 | ppb | 94 | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 23752 | 9.941 | ppb | 85 | |
| 23) Chloroform | 4.04 | 83 | 36972 | 9.535 | ppb | 99 | |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 69365 | 44.780 | ppb | 99 | |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 48711 | 9.793 | ppb | 97 | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 32597 | 10.031 | ppb | 97 | |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 37266 | 9.793 | ppb | 98 | |
| 28) 1,1-Dichloropropene | 4.32 | 75 | 27964 | 10.150 | ppb | 94 | |
| 29) Carbon tetrachloride | 4.33 | 117 | 34530 | 9.916 | ppb | 98 | |
| 31] Benzene | 4.50 | 78 | 76360 | 9.739 | ppb | 92 | |
| 32] Trichloroethene | 5.04 | 95 | 24422 | 9.295 | ppb | 98 | |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 19421 | 9.707 | ppb | 95 | |
| 34) Bromodichloromethane | 5.48 | 83 | 29433 | 10.284 | ppb | 98 | |
| 36) Dibromomethane | 5.34 | 93 | 14519 | 10.119 | ppb | 93 | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062005.D
 Acq On : 20 Jun 2023 07:40 am
 Operator : MD
 Sample : 03-1453 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

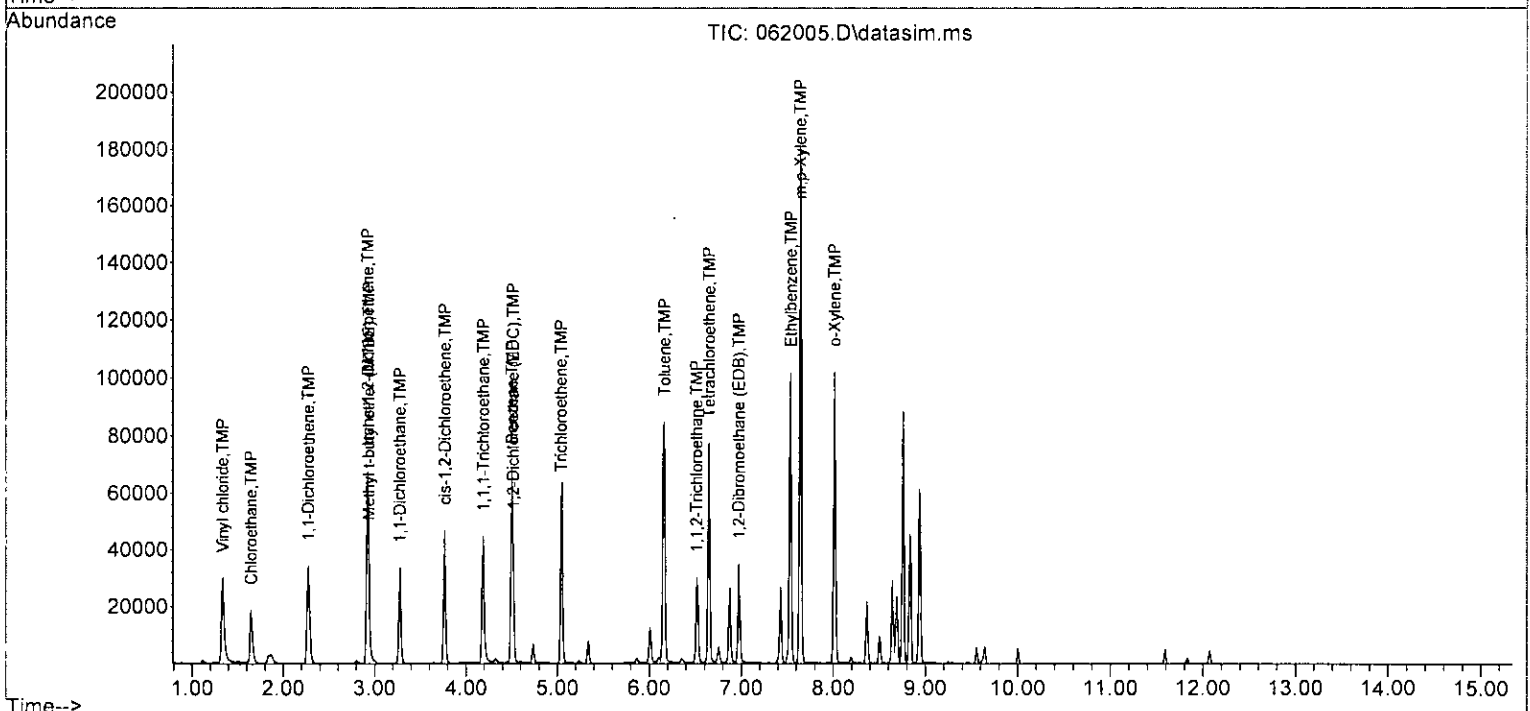
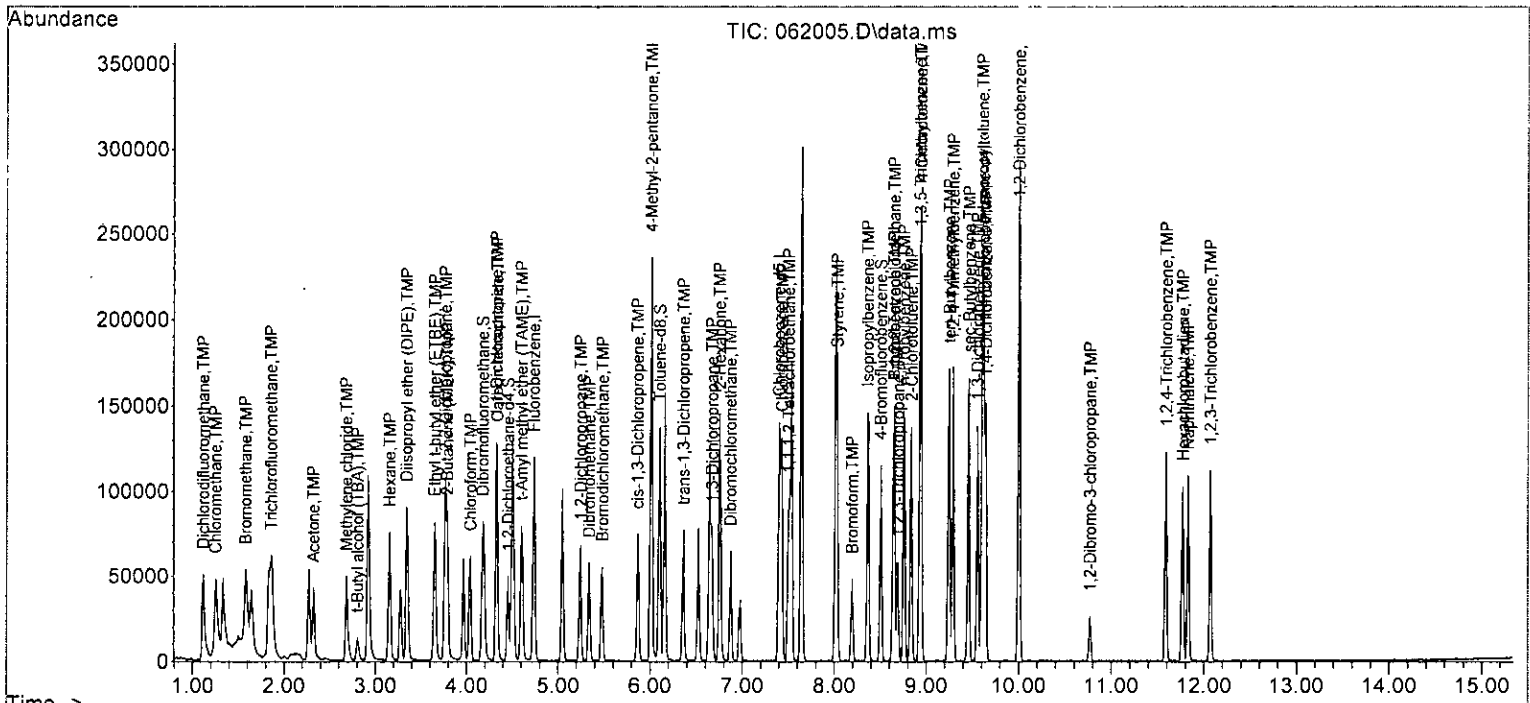
Quant Time: Jun 21 08:20:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 20184 | 50.791 | ppb | 89 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 31556 | 10.238 | ppb | 94 |
| 40] Toluene | 6.16 | 92 | 54603 | 10.019 | ppb | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 30551 | 10.024 | ppb | 99 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 16411 | 10.003 | ppb | 100 |
| 43) 2-Hexanone | 6.75 | 43 | 94234 | 44.820 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 27989 | 9.723 | ppb | 93 |
| 45] Tetrachloroethene | 6.65 | 164 | 27291 | 10.193 | ppb | 98 |
| 46) Dibromochloromethane | 6.87 | 129 | 29662 | 10.471 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 25014 | 10.213 | ppb | 99 |
| 48) Chlorobenzene | 7.43 | 112 | 65962 | 10.014 | ppb | 96 |
| 49] Ethylbenzene | 7.54 | 91 | 103084 | 9.906 | ppb | 100 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 26232 | 10.077 | ppb | 95 |
| 51] m,p-Xylene | 7.64 | 106 | 85203 | 19.899 | ppb | 100 |
| 52] o-Xylene | 8.01 | 106 | 41095 | 9.878 | ppb | 99 |
| 53) Styrene | 8.03 | 104 | 63915 | 10.197 | ppb | 96 |
| 54) Isopropylbenzene | 8.36 | 105 | 97613 | 10.183 | ppb | 99 |
| 55) Bromoform | 8.19 | 173 | 21345 | 10.044 | ppb | 94 |
| 58) n-Propylbenzene | 8.75 | 91 | 108871 | 10.056 | ppb | 96 |
| 59) Bromobenzene | 8.65 | 156 | 32105 | 10.023 | ppb | 93 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 82753 | 10.064 | ppb | 97 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 24219 | 10.942 | ppb | 98 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 17434 | 9.559 | ppb | 90 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 63648 | 10.025 | ppb | 98 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 75123 | 9.827 | ppb | 96 |
| 65) tert-Butylbenzene | 9.25 | 119 | 78571 | 10.121 | ppb | 96 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 85160 | 9.933 | ppb | 96 |
| 67) sec-Butylbenzene | 9.46 | 105 | 105558 | 10.007 | ppb | 96 |
| 68) p-Isopropyltoluene | 9.61 | 119 | 96376 | 9.964 | ppb | 98 |
| 69) 1,3-Dichlorobenzene | 9.55 | 146 | 56062 | 10.027 | ppb | 97 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 55826 | 9.943 | ppb | 99 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 53092 | 9.977 | ppb | 96 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 4525 | 9.450 | ppb | 87 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 37069 | 9.735 | ppb | 99 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 21050 | 9.429 | ppb | 95 |
| 75) Naphthalene | 11.82 | 128 | 82530 | 9.870 | ppb | 99 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 35210 | 9.710 | ppb | 96 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
Data File : 062005.D
Acq On : 20 Jun 2023 07:40 am
Operator : MD
Sample : 03-1453 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Jun 21 08:20:13 2023
Quant Method : Y:\Methods\Inst13\061523vms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Jun 16 07:37:11 2023
Response via : Initial Calibration
DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062007.D
 Acq On : 20 Jun 2023 08:26 am
 Operator : MD
 Sample : 03-1453 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

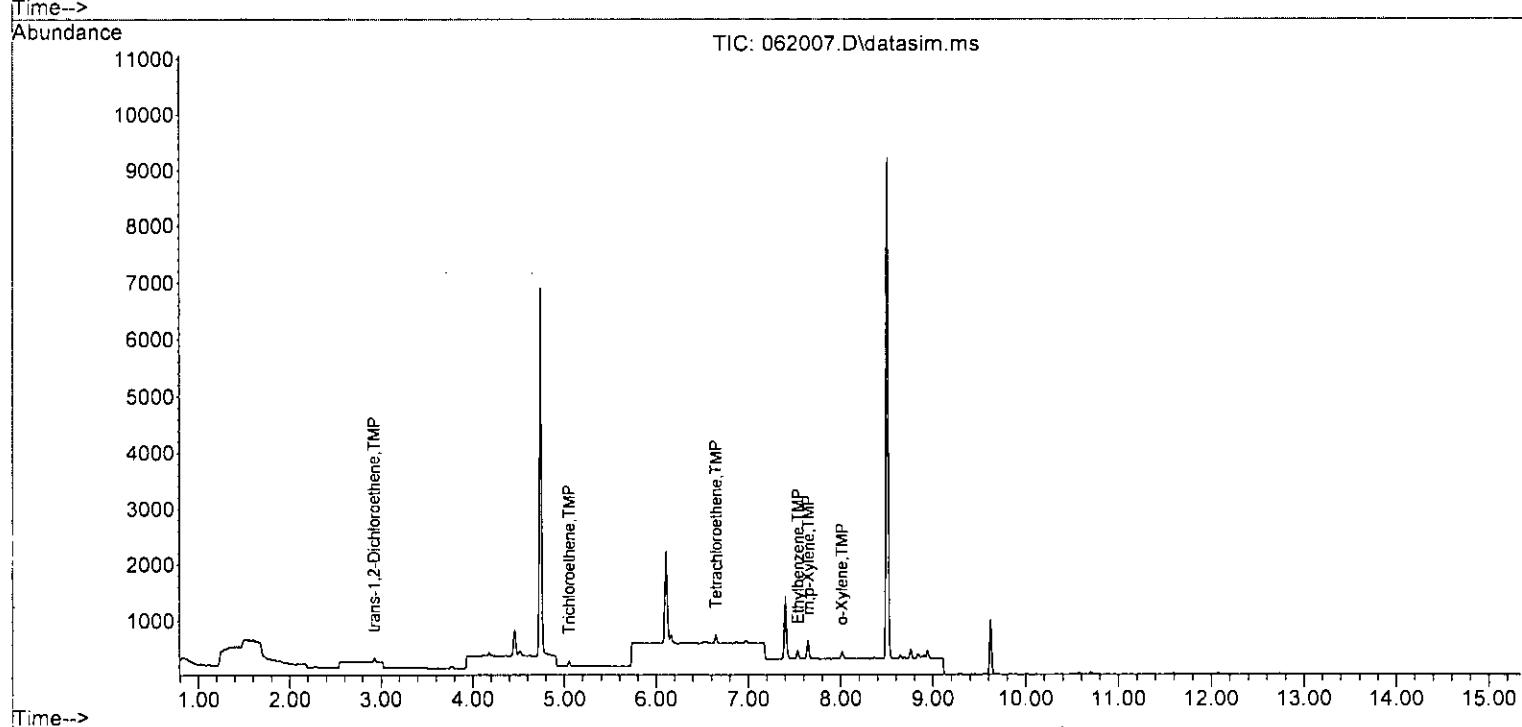
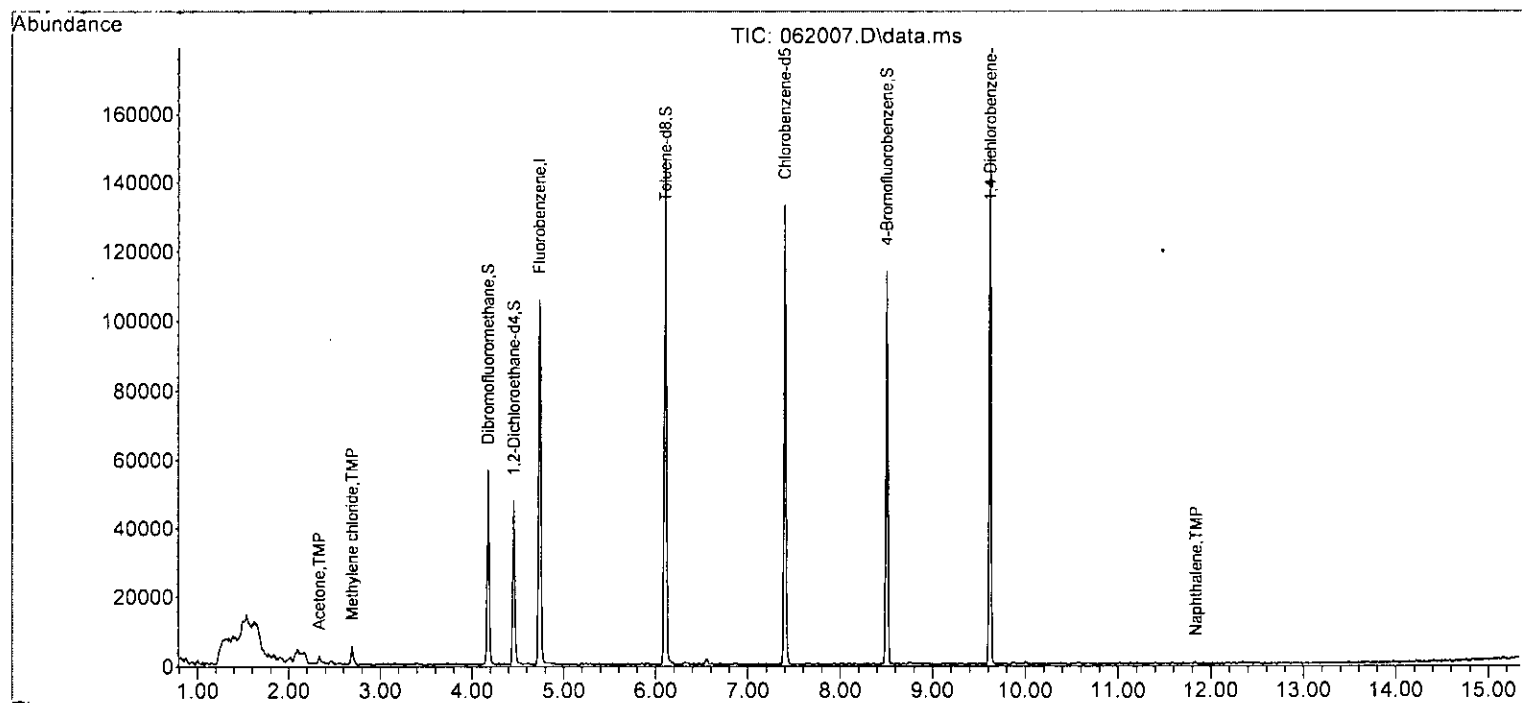
Quant Time: Jun 21 08:20:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

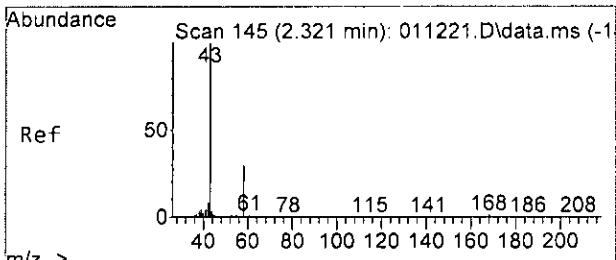
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|----------------|----------|-----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 87424 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 69615 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38062 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25541 | 9.674 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 96.70% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5105 | 9.357 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 93.60% | | |
| 35) Toluene-d8 | 6.11 | 98 | 80504 | 9.601 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 96.00% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28110 | 9.749 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.50% | | |
| Target Compounds | | | | | | | |
| 11) Acetone | 2.33 | 58 | 560 | 1.817 | ppb | 91 | Qvalue |
| 14) Methylene chloride | 2.69 | 84 | 2011 | 1.024 | ppb | 98 | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 32 | 0.014 | ppb | 84 | |
| 21) 2,2-Dichloropropane | 3.84 | 77 | 34 | Below Cal | | 46 | |
| 32] Trichloroethene | 5.05 | 95 | 75 | 0.022 | ppb | 88 | |
| 45] Tetrachloroethene | 6.65 | 164 | 56 | 0.012 | ppb | 93 | |
| 49] Ethylbenzene | 7.54 | 91 | 151 | 0.015 | ppb | 94 | |
| 51] m,p-Xylene | 7.65 | 106 | 171 | 0.041 | ppb | # 73 | |
| 52] o-Xylene | 8.01 | 106 | 60 | 0.015 | ppb | 98 | |
| 75) Naphthalene | 11.84 | 128 | 514 | 0.063 | ppb | 70 | |
| ----- | | | | | | | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062007.D
 Acq On : 20 Jun 2023 08:26 am
 Operator : MD
 Sample : 03-1453 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

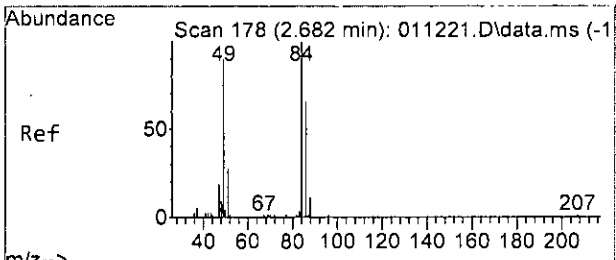
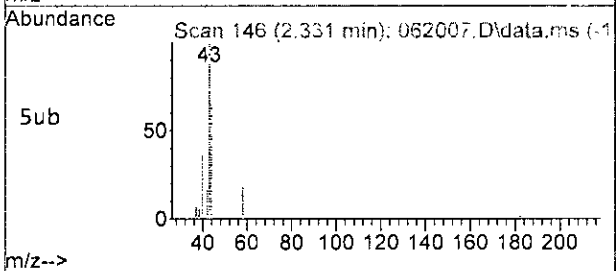
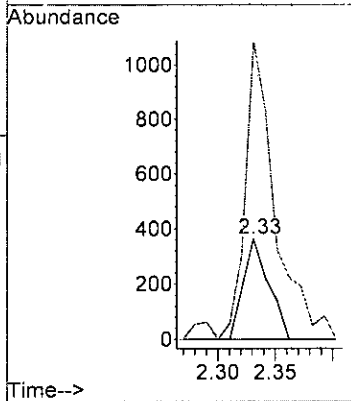
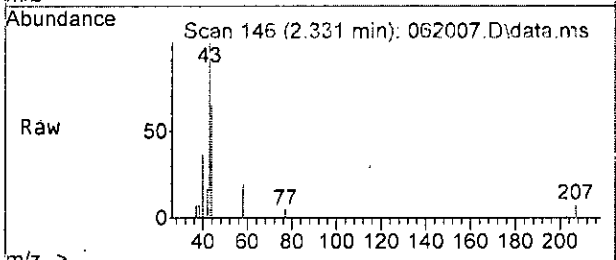
Quant Time: Jun 21 08:20:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth: VM040623.M





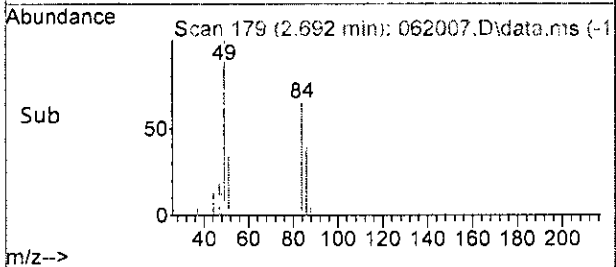
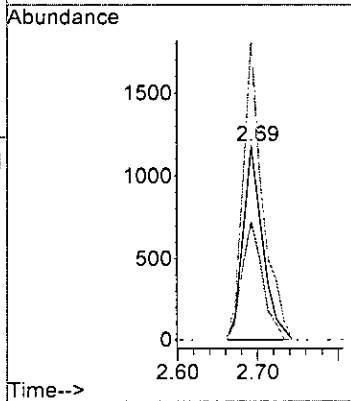
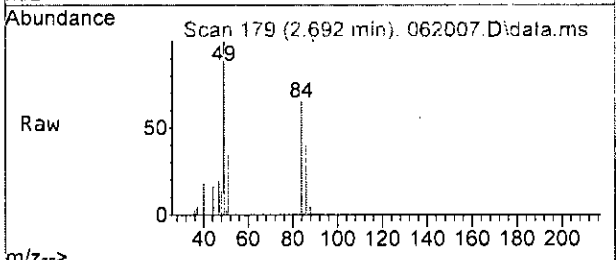
#11
 Acetone
 Concen: 1.817 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.010 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

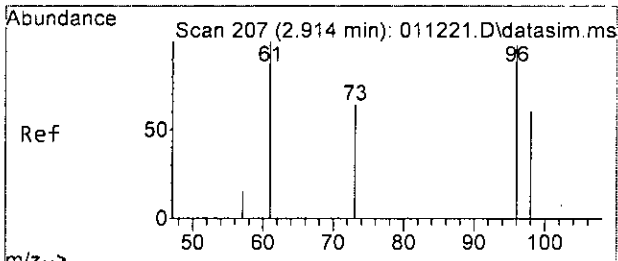
Tgt Ion: 58 Resp: 560
 Ion Ratio Lower Upper
 58 100
 43 361.1 351.7 411.7



#14
 Methylene chloride
 Concen: 1.024 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

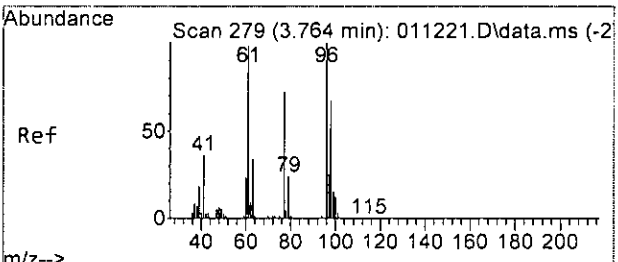
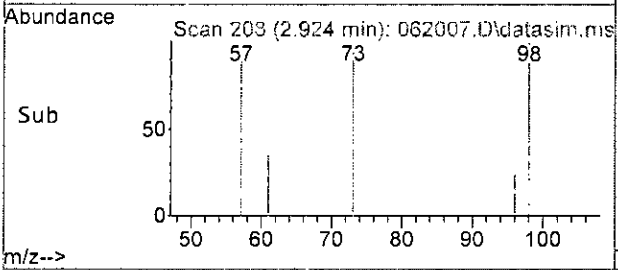
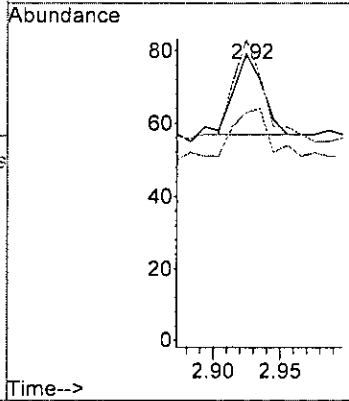
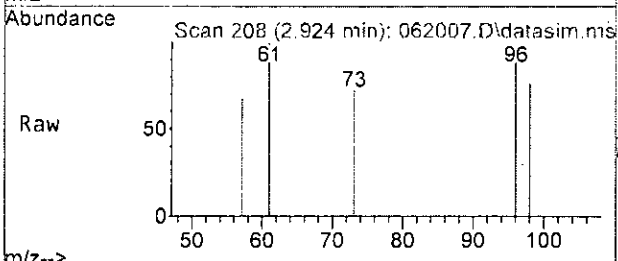
Tgt Ion: 84 Resp: 2011
 Ion Ratio Lower Upper
 84 100
 86 61.2 35.0 95.0
 49 154.1 122.5 182.5





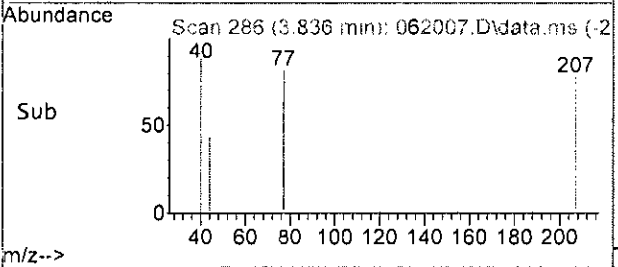
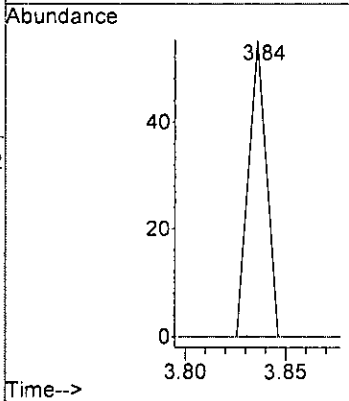
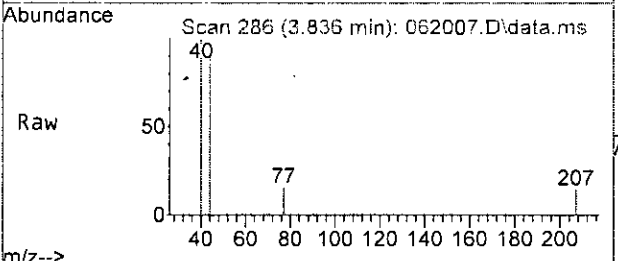
#17
 trans-1,2-Dichloroethene
 Concen: 0.014 ppb
 RT: 2.92 min Scan# 208
 Delta R.T. 0.010 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

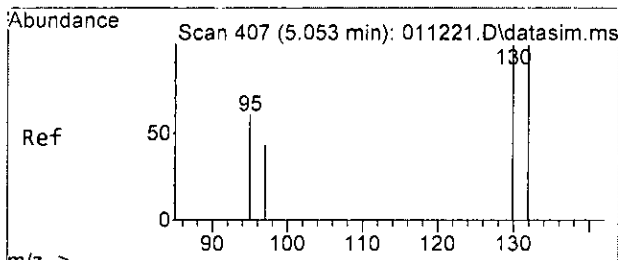
Tgt Ion: 96 Resp: 32
 Ion Ratio Lower Upper
 96 100
 61 118.2 108.7 168.7
 98 54.5 34.3 94.3



#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.84 min Scan# 286
 Delta R.T. 0.072 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

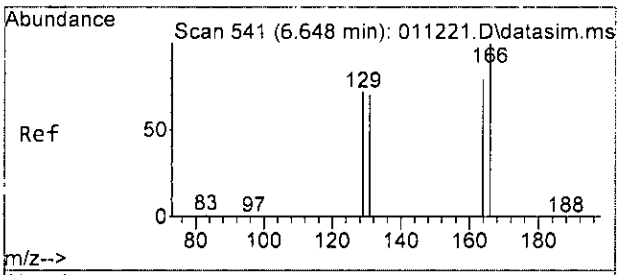
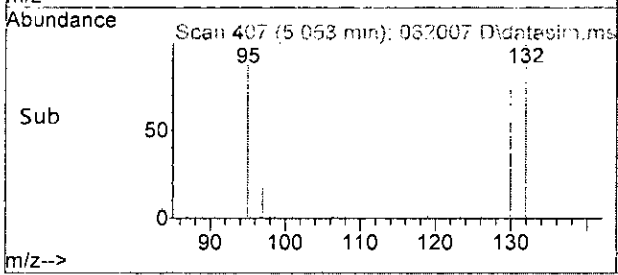
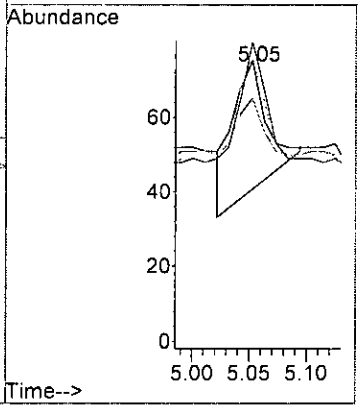
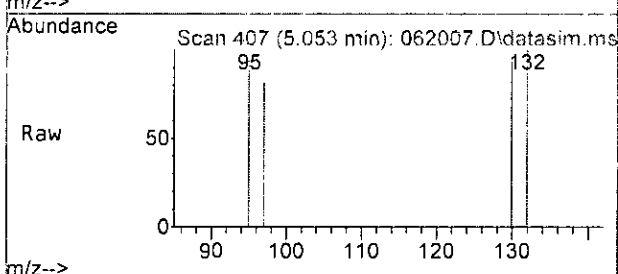
Tgt Ion: 77 Resp: 34
 Ion Ratio Lower Upper
 77 100
 97 0.0 0.0 58.8





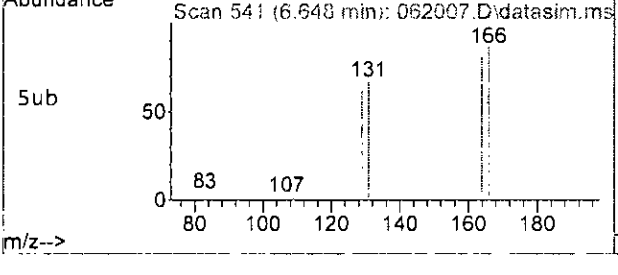
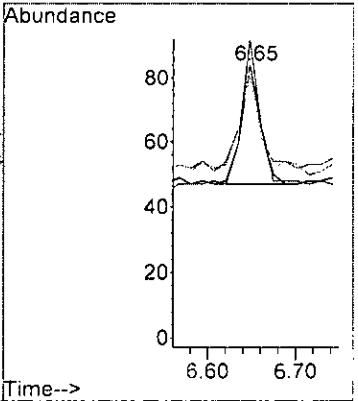
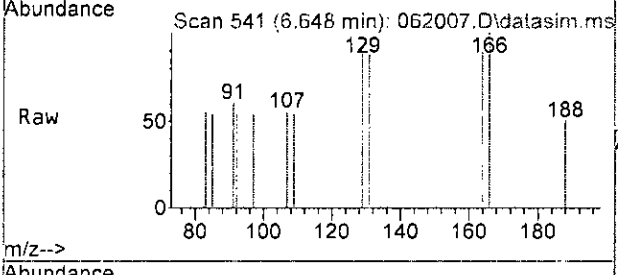
#32
 Trichloroethene
 Concen: 0.022 ppb
 RT: 5.05 min Scan# 407
 Delta R.T. 0.011 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

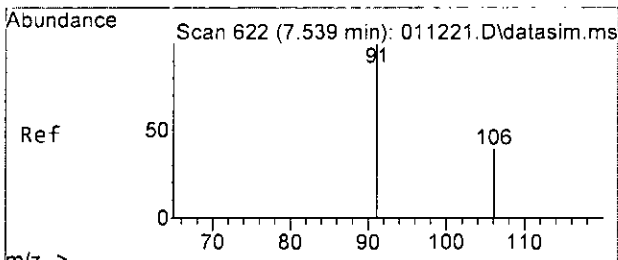
| Tgt Ion: | 95 | Resp: | 75 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 62.5 | 32.9 | 92.9 |
| 130 | 112.5 | 80.9 | 140.9 |
| 132 | 129.2 | 69.4 | 129.4 |



#45
 Tetrachloroethene
 Concen: 0.012 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

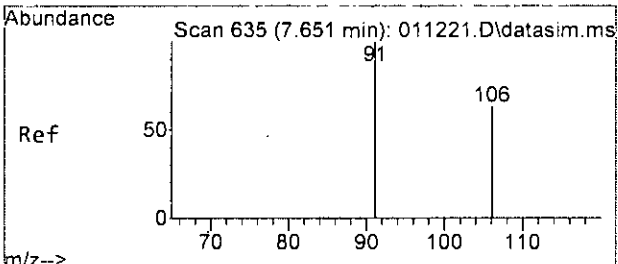
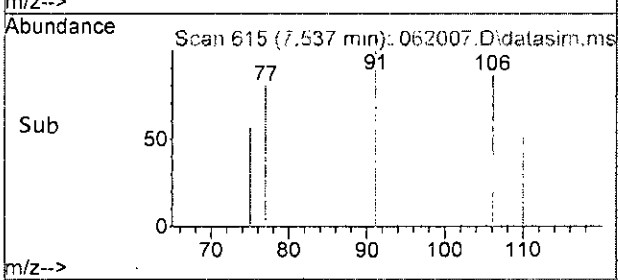
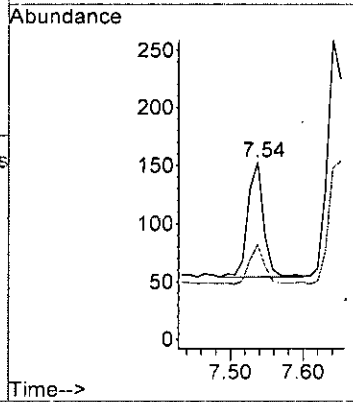
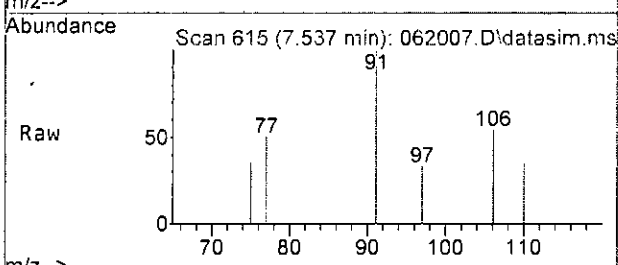
| Tgt Ion: | 164 | Resp: | 56 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 164 | 100 | | |
| 129 | 86.5 | 56.4 | 116.4 |
| 131 | 78.4 | 57.2 | 117.2 |
| 166 | 118.9 | 101.6 | 161.6 |





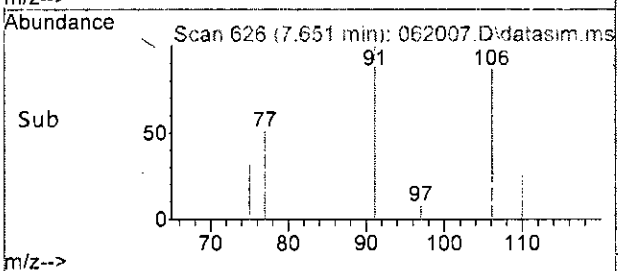
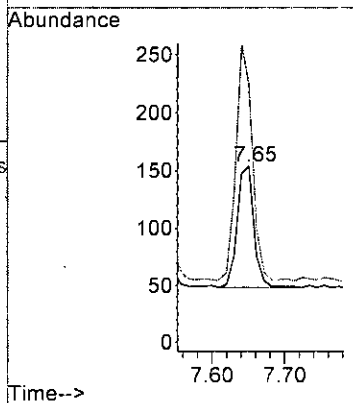
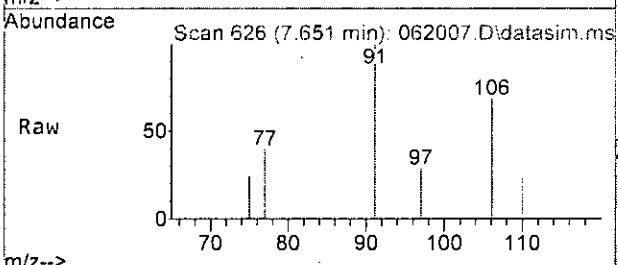
#49
 Ethylbenzene
 Concen: 0.015 ppb
 RT: 7.54 min Scan# 615
 Delta R.T. 0.000 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

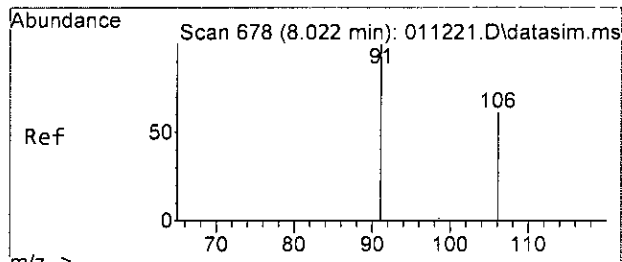
Tgt Ion: 91 Resp: 151
 Ion Ratio Lower Upper
 91 100
 106 33.3 6.6 66.6



#51
 m,p-Xylene
 Concen: 0.041 ppb
 RT: 7.65 min Scan# 626
 Delta R.T. 0.010 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

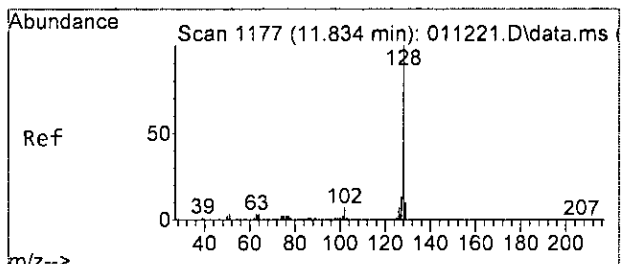
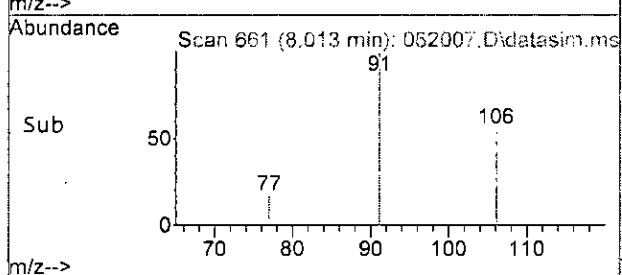
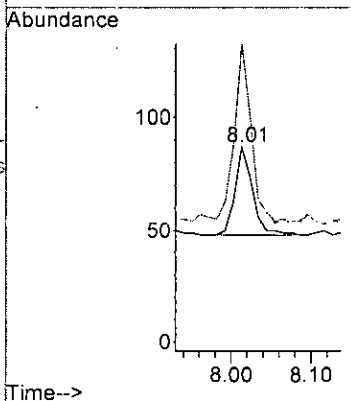
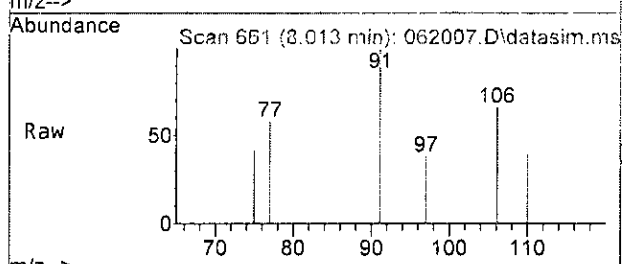
Tgt Ion: 106 Resp: 171
 Ion Ratio Lower Upper
 106 100
 91 160.4 172.0 232.0#





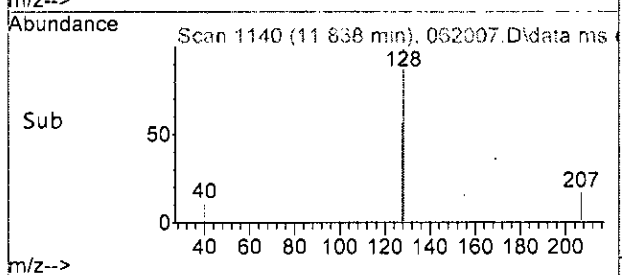
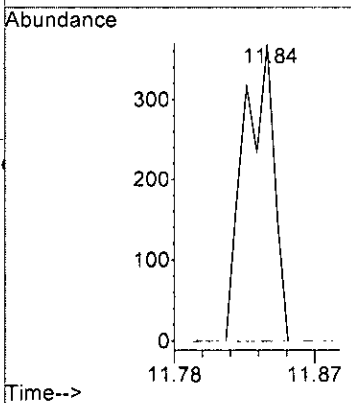
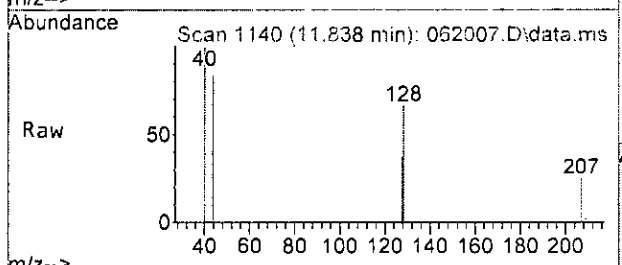
#52
 o-Xylene
 Concen: 0.015 ppb
 RT: 8.01 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

Tgt Ion: 106 Resp: 60
 Ion Ratio Lower Upper
 106 100
 91 200.0 172.7 232.7



#75
 Naphthalene
 Concen: 0.063 ppb
 RT: 11.84 min Scan# 1140
 Delta R.T. 0.007 min
 Lab File: 062007.D
 Acq: 20 Jun 2023 08:26 am

Tgt Ion: 128 Resp: 514
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.6
 127 0.0 0.0 42.5



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062007.D
 Acq On : 20 Jun 2023 08:26 am
 Operator : MD
 Sample : 03-1453 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|-----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 87424 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 69615 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38062 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25541 | 9.674 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 96.70% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5105 | 9.357 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 93.60% | | |
| 35) Toluene-d8 | 6.11 | 98 | 80504 | 9.601 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 96.00% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28110 | 9.749 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.50% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.36 | 45 | 53 | No Calib | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.27 | 50 | 1197 | N.D. | | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. d | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.36 | 45 | 53 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 560 | 1.817 | ppb | | 91 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. d | | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | | |
| 14) Methylene chloride | 2.69 | 84 | 2011 | 1.024 | ppb | | 98 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 32 | 0.014 | ppb | | 84 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.84 | 77 | 34 | Below Cal | | | 46 |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 155 | N.D. | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26) 1,2-Dichloroethane (EDC) | 4.53 | 62 | 86 | N.D. | | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 4.50 | 78 | 59 | N.D. | | | |
| 32] Trichloroethene | 5.05 | 95 | 75 | 0.022 | ppb | | 88 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062007.D
 Acq On : 20 Jun 2023 08:26 am
 Operator : MD
 Sample : 03-1453 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

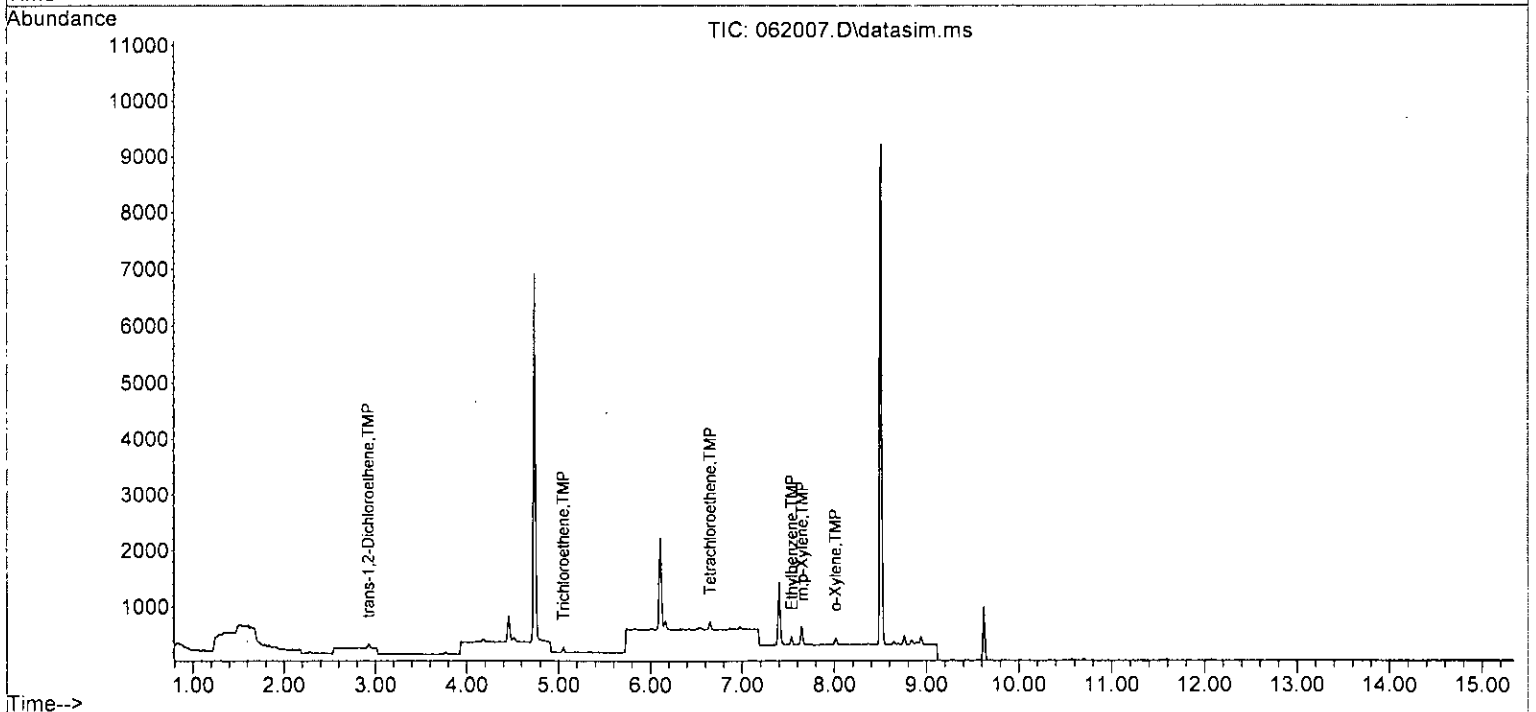
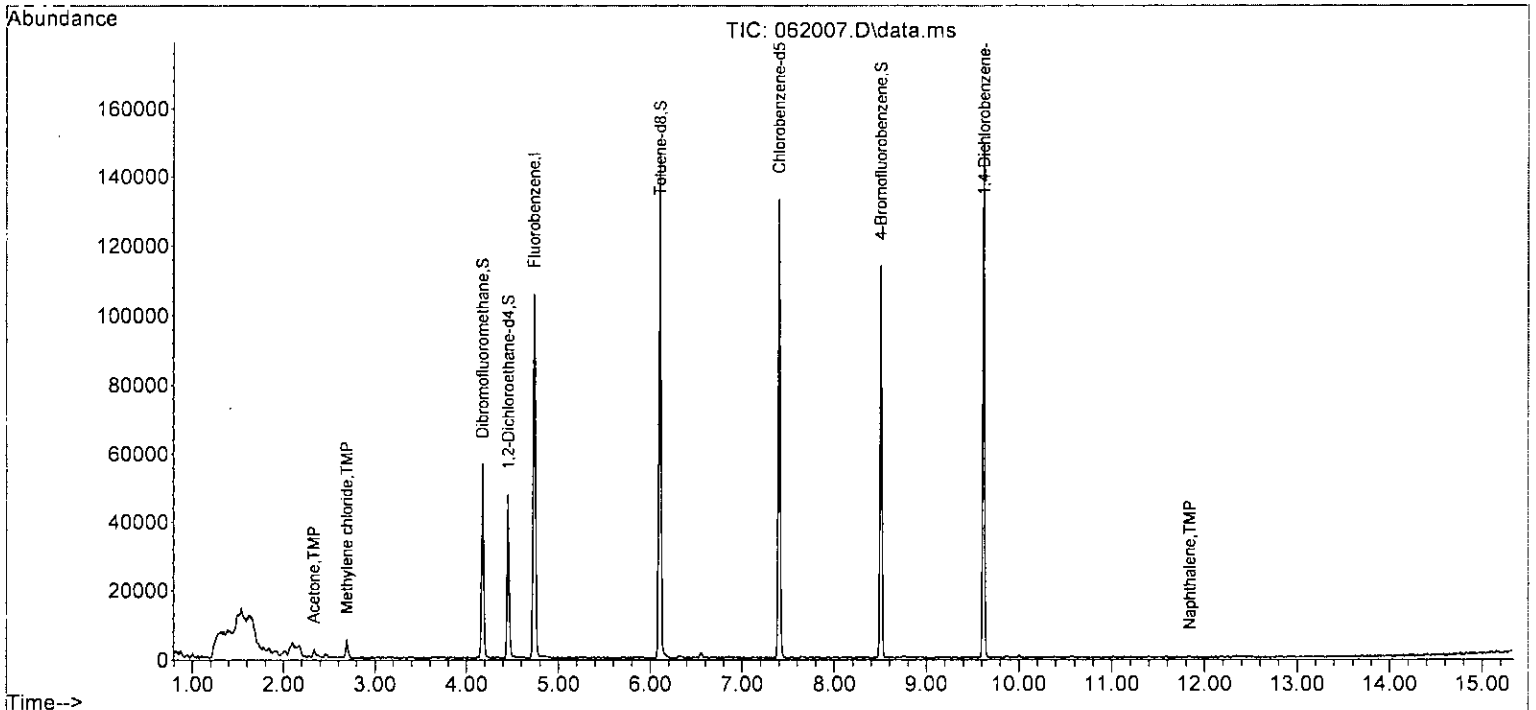
Quant Time: Jun 21 08:20:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.16 | 92 | 76 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.53 | 83 | 29 | | N.D. | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. | d |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 56 | 0.012 | ppb | 93 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 6.97 | 107 | 38 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49] Ethylbenzene | 7.54 | 91 | 151 | 0.015 | ppb | 94 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.65 | 106 | 171 | 0.041 | ppb | # 73 |
| 52] o-Xylene | 8.01 | 106 | 60 | 0.015 | ppb | 98 |
| 53) Styrene | 8.03 | 104 | 34 | | N.D. | |
| 54) Isopropylbenzene | 8.37 | 105 | 84 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.75 | 91 | 312 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.94 | 105 | 104 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.75 | 91 | 312 | | N.D. | |
| 64) 4-Chlorotoluene | 8.94 | 91 | 133 | | N.D. | |
| 65) tert-Butylbenzene | 9.25 | 119 | 51 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 289 | | N.D. | |
| 67) sec-Butylbenzene | 9.45 | 105 | 192 | | N.D. | |
| 68) p-Isopropyltoluene | 9.60 | 119 | 168 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.64 | 146 | 84 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 84 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 173 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 185 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.84 | 128 | 514 | 0.063 | ppb | 70 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 80 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062007.D
 Acq On : 20 Jun 2023 08:26 am
 Operator : MD
 Sample : 03-1453 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062009.D
 Acq On : 20 Jun 2023 09:35 am
 Operator : MD
 Sample : 306243-05 ms
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 97374 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 71010 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39408 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 26530 | 9.021 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 90.20% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5595 | 9.207 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 92.10% | | |
| 35) Toluene-d8 | 6.10 | 98 | 83545 | 8.945 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 89.50% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29804 | 9.983 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 99.80% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.33 | 45 | 376 | No Calib | | | |
| 4) Dichlorodifluoromethane | 1.12 | 85 | 69643 | 8.773 | ppb | | 96 |
| 5) Chloromethane | 1.26 | 50 | 64488 | 8.757 | ppb | | 92 |
| 6] Vinyl chloride | 1.34 | 62 | 54221 | 8.997 | ppb | | 94 |
| 7) Bromomethane | 1.58 | 94 | 41502 | 9.641 | ppb | | 96 |
| 8] Chloroethane | 1.65 | 64 | 26331 | 9.263 | ppb | | 93 |
| 9) Trichlorofluoromethane | 1.84 | 101 | 107087 | 8.796 | ppb | | 90 |
| 10) 2-Propanol | 2.33 | 45 | 376 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 11700 | 34.076 | ppb | # | 76 |
| 12] 1,1-Dichloroethene | 2.27 | 96 | 25193 | 9.854 | ppb | | 98 |
| 13) Hexane | 3.16 | 57 | 33626 | 10.063 | ppb | | 95 |
| 14) Methylene chloride | 2.69 | 84 | 20711 | 9.466 | ppb | | 98 |
| 15) t-Butyl alcohol (TBA) | 2.81 | 59 | 14910 | 47.467 | ppb | | 96 |
| 16] Methyl t-butyl ether (...) | 2.93 | 73 | 51582 | 8.811 | ppb | | 96 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 23565 | 9.358 | ppb | | 93 |
| 18) Diisopropyl ether (DIPE) | 3.35 | 45 | 73801 | 9.115 | ppb | | 96 |
| 19] 1,1-Dichloroethane | 3.27 | 63 | 38569 | 9.134 | ppb | | 94 |
| 20) Ethyl t-butyl ether (E...) | 3.65 | 87 | 24097 | 9.311 | ppb | | 95 |
| 21) 2,2-Dichloropropane | 3.76 | 77 | 27670 | 10.260 | ppb | | 96 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 25100 | 9.218 | ppb | | 88 |
| 23) Chloroform | 4.04 | 83 | 39288 | 8.890 | ppb | | 95 |
| 24) 2-Butanone (MEK) | 3.78 | 43 | 63990 | 36.247 | ppb | | 98 |
| 25) t-Amyl methyl ether (T...) | 4.60 | 73 | 52125 | 9.195 | ppb | | 96 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 33991 | 9.176 | ppb | | 96 |
| 27] 1,1,1-Trichloroethane | 4.19 | 97 | 38660 | 8.914 | ppb | | 96 |
| 28) 1,1-Dichloropropene | 4.33 | 75 | 29918 | 9.528 | ppb | | 98 |
| 29) Carbon tetrachloride | 4.33 | 117 | 36315 | 9.151 | ppb | | 96 |
| 31] Benzene | 4.50 | 78 | 80288 | 8.985 | ppb | | 92 |
| 32] Trichloroethene | 5.04 | 95 | 26144 | 8.730 | ppb | | 98 |
| 33) 1,2-Dichloropropane | 5.24 | 63 | 19706 | 8.643 | ppb | | 95 |
| 34) Bromodichloromethane | 5.48 | 83 | 29536 | 9.055 | ppb | | 99 |
| 36) Dibromomethane | 5.34 | 93 | 15072 | 9.217 | ppb | | 90 |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062009.D
 Acq Dn : 20 Jun 2023 09:35 am
 Operator : MD
 Sample : 306243-05 ms
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

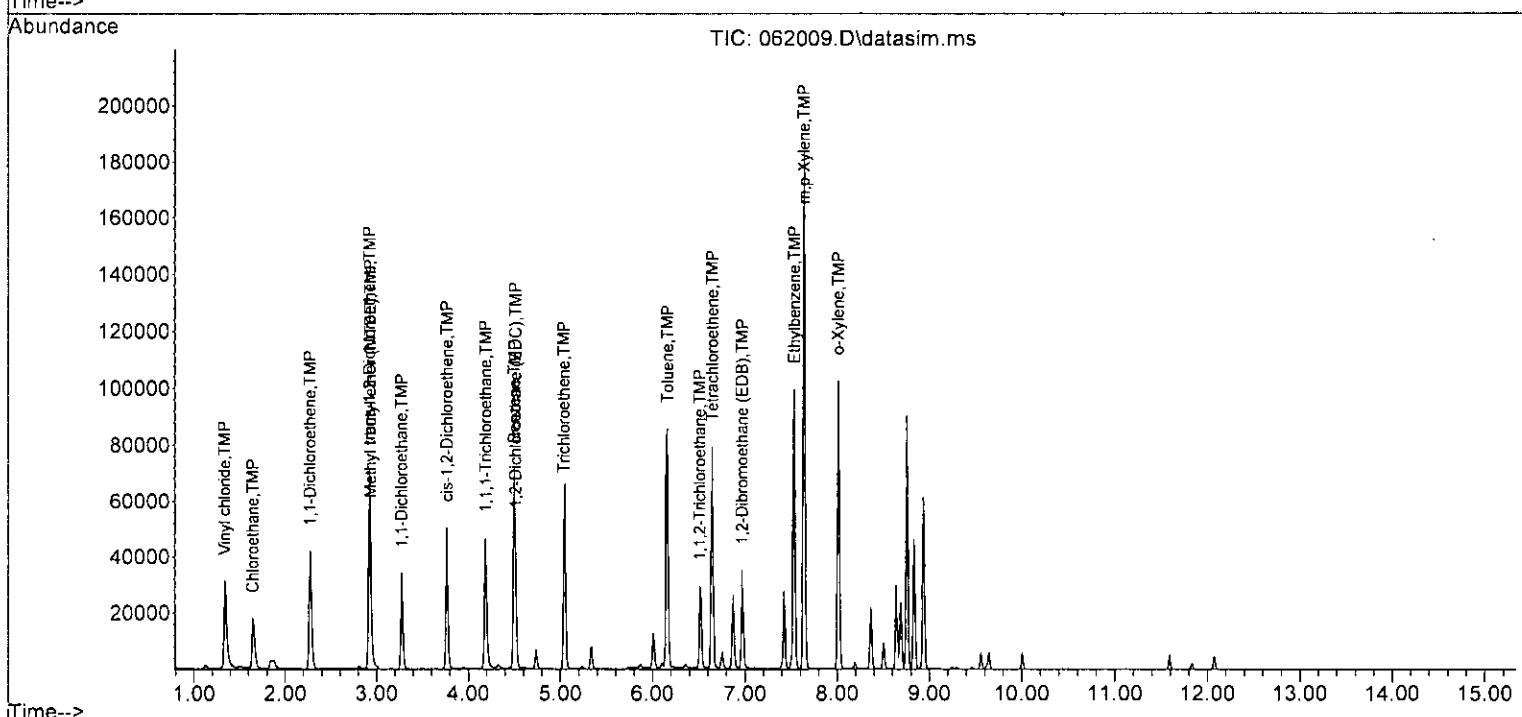
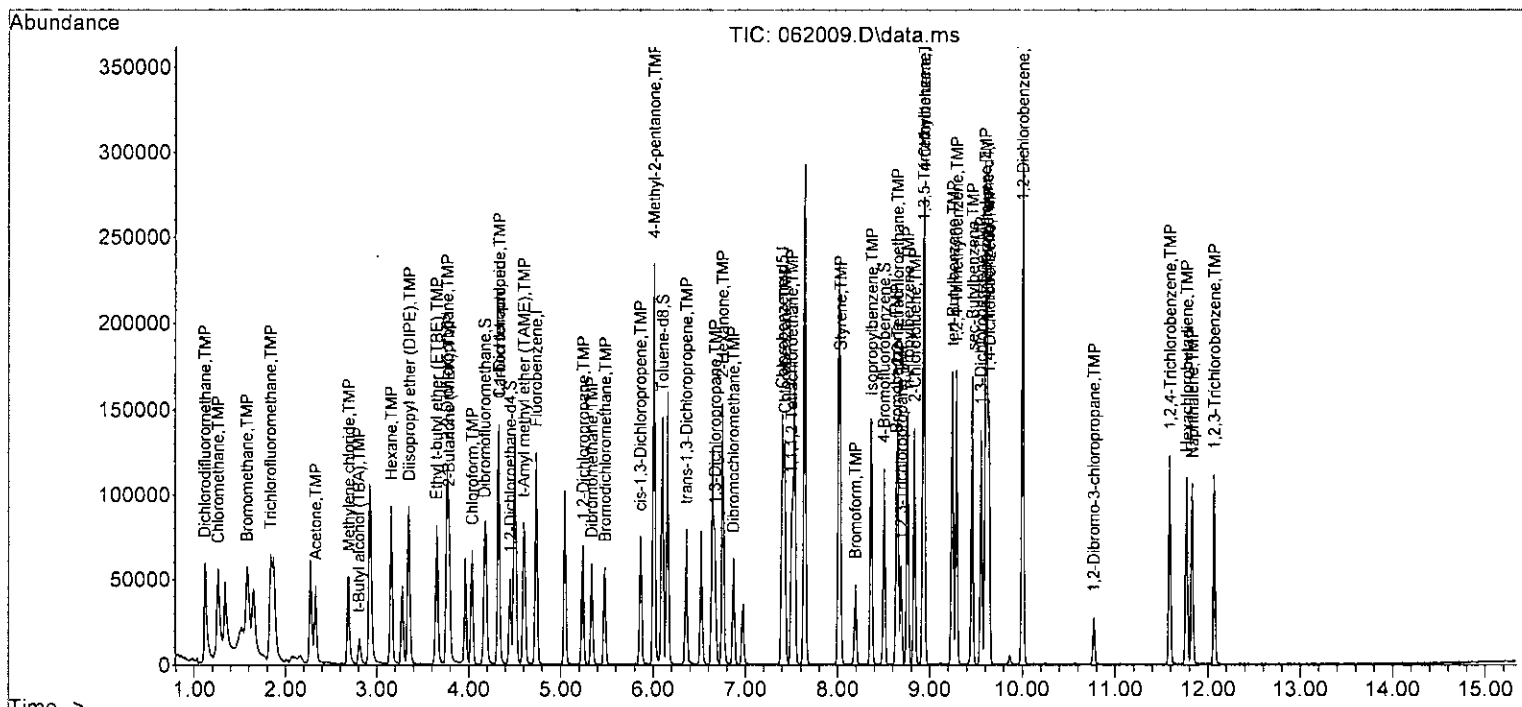
Quant Time: Jun 21 08:20:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 6.01 | 85 | 19997 | 44.153 | ppb | 91 |
| 38) cis-1,3-Dichloropropene | 5.86 | 75 | 31842 | 9.064 | ppb | 98 |
| 40] Toluene | 6.16 | 92 | 55350 | 10.253 | ppb | 89 |
| 41) trans-1,3-Dichloropropene | 6.36 | 75 | 30762 | 10.189 | ppb | 97 |
| 42] 1,1,2-Trichloroethane | 6.51 | 83 | 16380 | 10.079 | ppb | 99 |
| 43) 2-Hexanone | 6.75 | 43 | 98194 | 47.147 | ppb | 98 |
| 44) 1,3-Dichloropropane | 6.67 | 76 | 28635 | 10.042 | ppb | 94 |
| 45] Tetrachloroethene | 6.65 | 164 | 28036 | 10.571 | ppb | 99 |
| 46) Dibromochloromethane | 6.87 | 129 | 28937 | 10.312 | ppb | 98 |
| 47] 1,2-Dibromoethane (EDB) | 6.97 | 107 | 24684 | 10.174 | ppb | 100 |
| 48) Chlorobenzene | 7.43 | 112 | 65392 | 10.021 | ppb | 94 |
| 49] Ethylbenzene | 7.54 | 91 | 104081 | 10.097 | ppb | 99 |
| 50) 1,1,1,2-Tetrachloroethane | 7.50 | 131 | 26106 | 10.123 | ppb | 96 |
| 51] m,p-Xylene | 7.64 | 106 | 86343 | 20.357 | ppb | 100 |
| 52] o-Xylene | 8.01 | 106 | 41445 | 10.056 | ppb | 99 |
| 53) Styrene | 8.03 | 104 | 63042 | 10.153 | ppb | 97 |
| 54) Isopropylbenzene | 8.37 | 105 | 98729 | 10.398 | ppb | 98 |
| 55) Bromoform | 8.19 | 173 | 20188 | 9.590 | ppb | 100 |
| 58) n-Propylbenzene | 8.76 | 91 | 110473 | 10.143 | ppb | 91 |
| 59) Bromobenzene | 8.64 | 156 | 31255 | 9.700 | ppb | 88 |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 86251 | 10.427 | ppb | 99 |
| 61) 1,1,2,2-Tetrachloroethane | 8.65 | 83 | 23869 | 10.718 | ppb | 99 |
| 62) 1,2,3-Trichloropropane | 8.69 | 75 | 17955 | 9.787 | ppb | 93 |
| 63) 2-Chlorotoluene | 8.84 | 91 | 65069 | 10.188 | ppb | 97 |
| 64) 4-Chlorotoluene | 8.94 | 91 | 76885 | 9.998 | ppb | 98 |
| 65) tert-Butylbenzene | 9.25 | 119 | 80687 | 10.332 | ppb | 94 |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 86140 | 9.988 | ppb | 98 |
| 67) sec-Butylbenzene | 9.46 | 105 | 109775 | 10.345 | ppb | 99 |
| 68) p-Isopropyltoluene | 9.60 | 119 | 101162 | 10.397 | ppb | 99 |
| 69) 1,3-Dichlorobenzene | 9.55 | 146 | 56713 | 10.083 | ppb | 100 |
| 70) 1,4-Dichlorobenzene | 9.64 | 146 | 57931 | 10.257 | ppb | 98 |
| 71) 1,2-Dichlorobenzene | 10.00 | 146 | 51810 | 9.678 | ppb | 98 |
| 72) 1,2-Dibromo-3-chloropr... | 10.77 | 75 | 4413 | 9.162 | ppb | 87 |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 38096 | 9.946 | ppb | 98 |
| 74) Hexachlorobutadiene | 11.77 | 225 | 23163 | 10.314 | ppb | 94 |
| 75) Naphthalene | 11.83 | 128 | 80616 | 9.584 | ppb | 98 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 34528 | 9.465 | ppb | 98 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062009.D
 Acq On : 20 Jun 2023 09:35 am
 Operator : MD
 Sample : 306243-05.ms
 Misc : water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

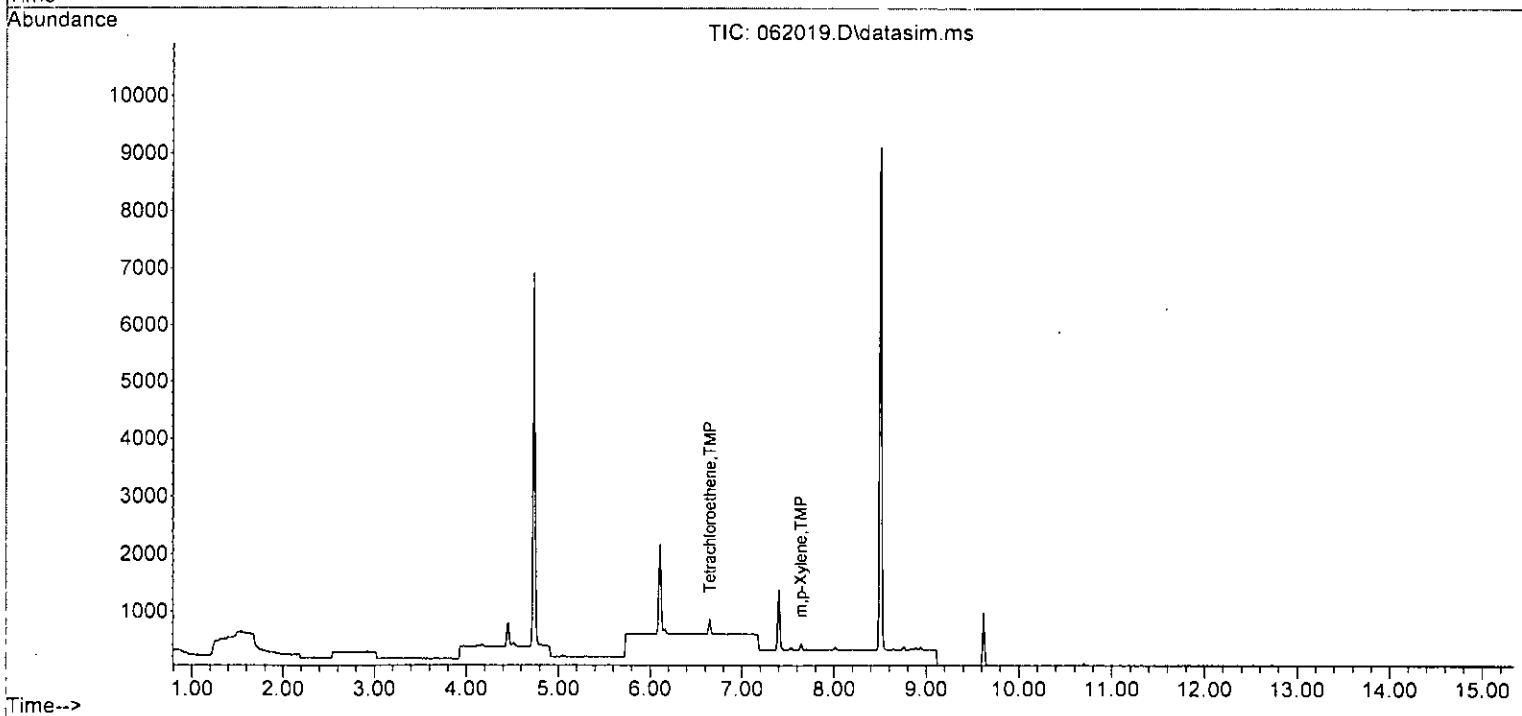
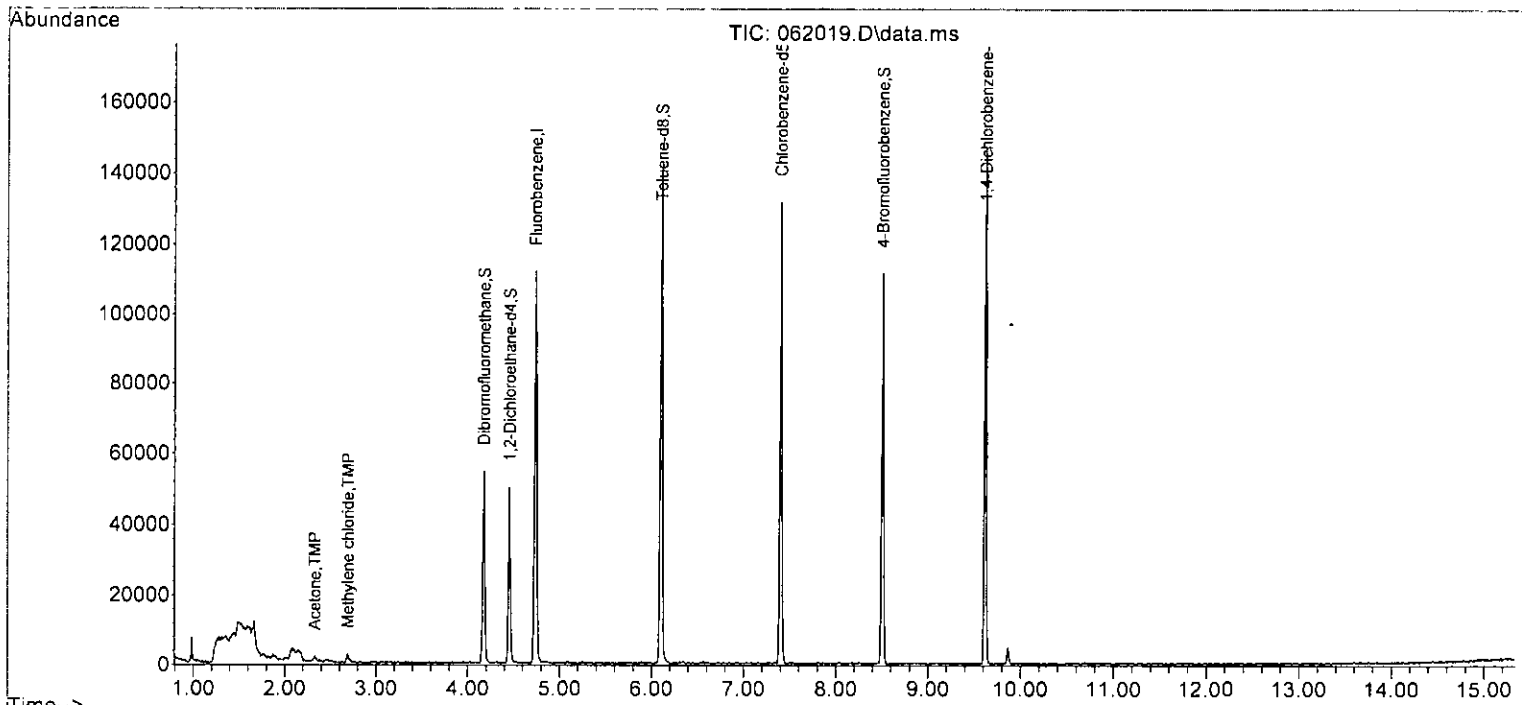
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 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

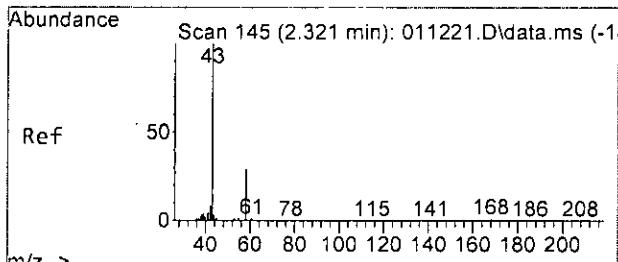
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85194 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68826 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37232 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25407 | 9.875 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5333 | 10.030 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 100.30% | |
| 35) Toluene-d8 | 6.11 | 98 | 79743 | 9.759 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.60% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28641 | 10.154 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 101.50% | |
| Target Compounds | | | | | | |
| 11) Acetone | 2.33 | 58 | 641 | 2.134 | ppb # | 43 |
| 14) Methylene chloride | 2.69 | 84 | 989 | 0.517 | ppb # | 70 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 79 | Below Cal | | 94 |
| 40] Toluene | 6.16 | 92 | 39 | Below Cal | | 89 |
| 45] Tetrachloroethene | 6.65 | 164 | 98 | 0.029 | ppb | 94 |
| 51] m,p-Xylene | 7.64 | 106 | 63 | 0.015 | ppb | 88 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

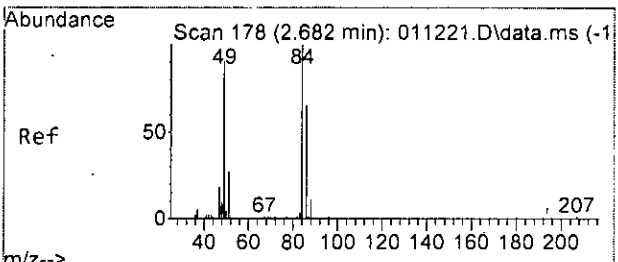
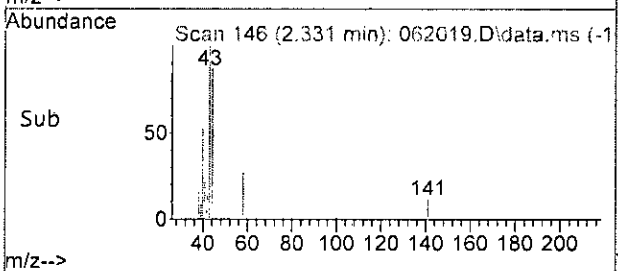
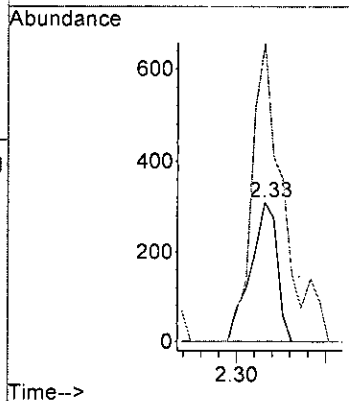
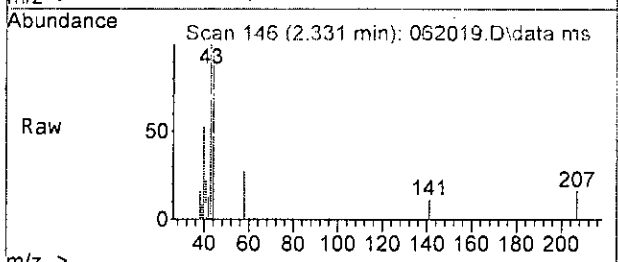
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





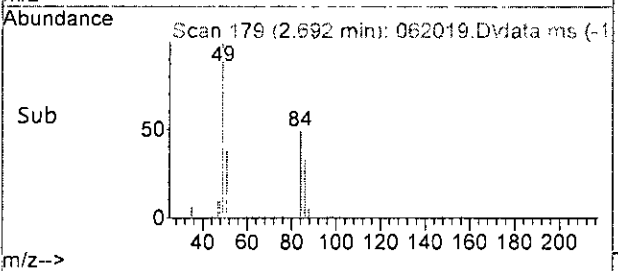
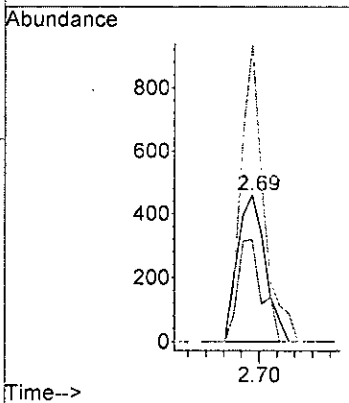
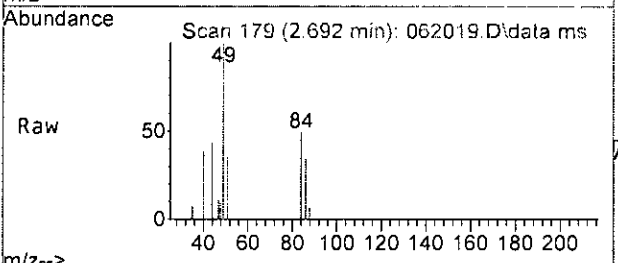
#11
 Acetone
 Concen: 2.134 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.010 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

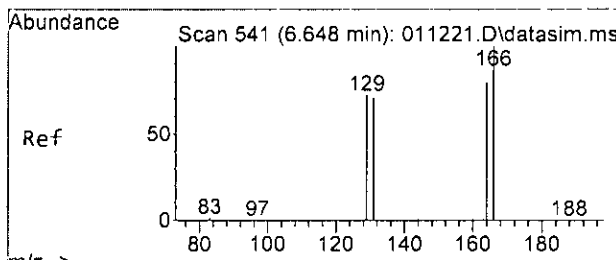
Tgt Ion: 58 Resp: 641
 Ion Ratio Lower Upper
 58 100
 43 250.5 351.7 411.7#



#14
 Methylene chloride
 Concen: 0.517 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

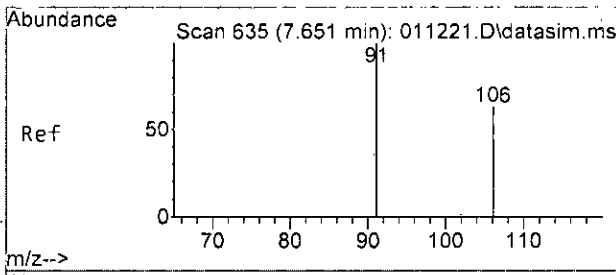
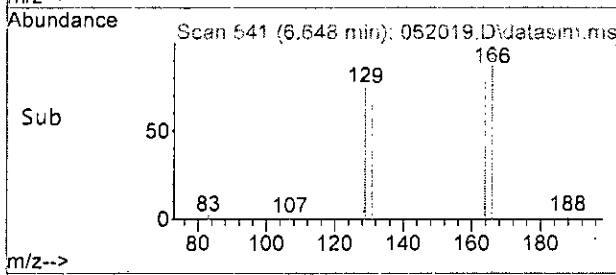
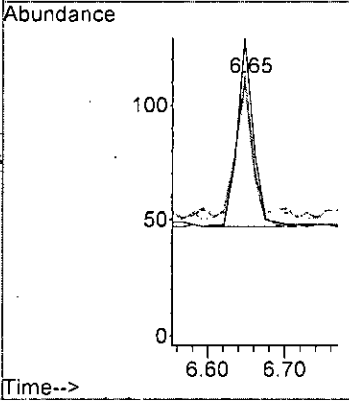
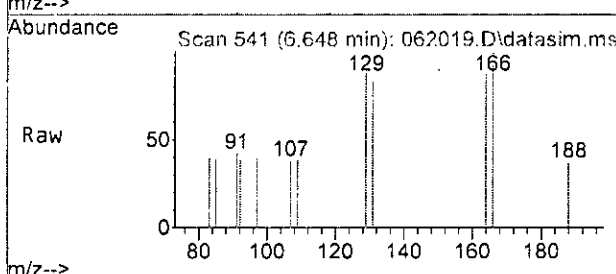
Tgt Ion: 84 Resp: 989
 Ion Ratio Lower Upper
 84 100
 86 69.5 35.0 95.0
 49 204.4 122.5 182.5#





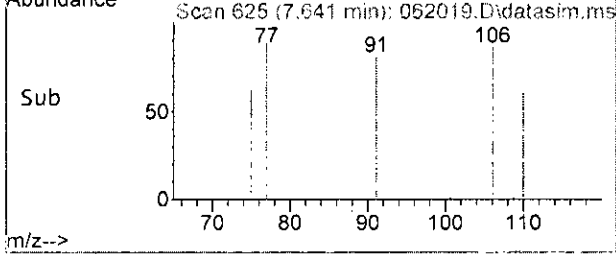
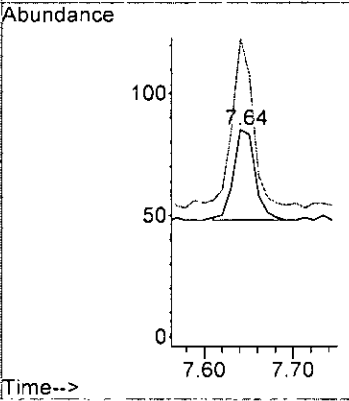
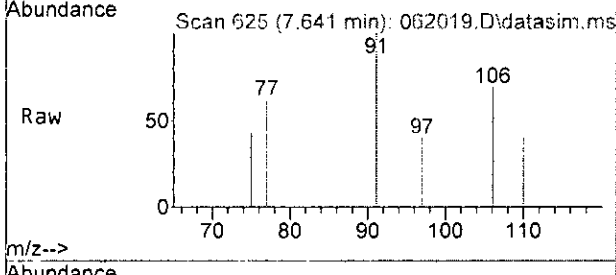
#45
 Tetrachloroethene
 Concen: 0.029 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 95.4 | 56.4 | 116.4 |
| 131 | 84.6 | 57.2 | 117.2 |
| 166 | 124.6 | 101.6 | 161.6 |



#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 183.8 | 172.0 | 232.0 |



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|-----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85194 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68826 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37232 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25407 | 9.875 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5333 | 10.030 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 71 - 132 | Recovery | = | 100.30% | |
| 35) Toluene-d8 | 6.11 | 98 | 79743 | 9.759 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 68 - 139 | Recovery | = | 97.60% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28641 | 10.154 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 62 - 136 | Recovery | = | 101.50% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.25 | 50 | 1531 | N.D. | | | |
| 6) Vinyl chloride | 1.33 | 62 | 34 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | | | |
| 11) Acetone | 2.33 | 58 | 641 | 2.134 | ppb | # | 43 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | | |
| 14) Methylene chloride | 2.69 | 84 | 989 | 0.517 | ppb | # | 70 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 36 | N.D. | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 79 | Below Cal | | | 94 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 0.00 | | 0 | N.D. | | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. | d | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

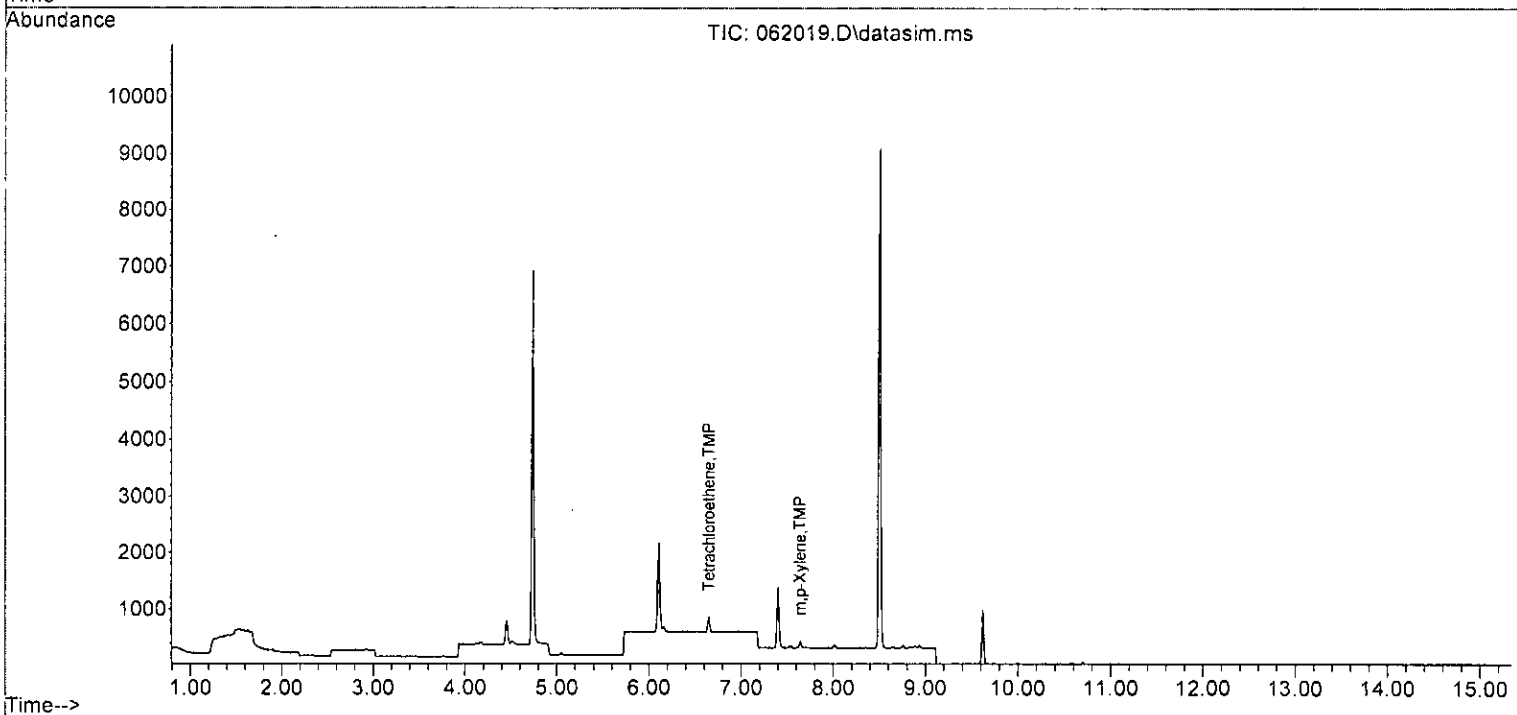
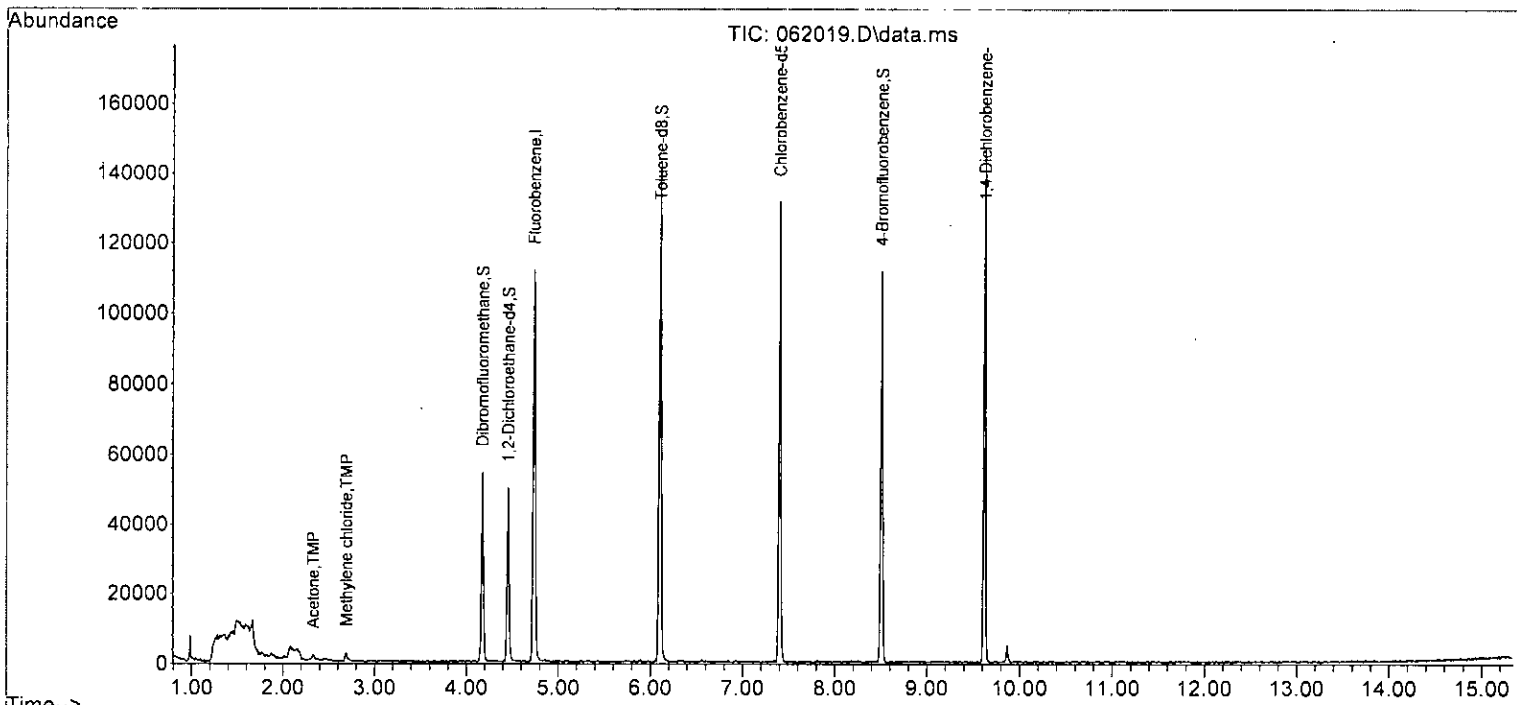
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 39 | Below Cal | | 89 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.72 | 43 | 182 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 98 | 0.029 | ppb | 94 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 52 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 63 | 0.015 | ppb | 88 |
| 52) o-Xylene | 8.01 | 106 | 22 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 107 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 107 | | N.D. | |
| 68) p-Isopropyltoluene | 9.60 | 119 | 21 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 89 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



EPA 8260D
Sample Data

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062027.D
 Acq On : 20 Jun 2023 04:34 pm
 Operator : MD
 Sample : 306243-01 1/100
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

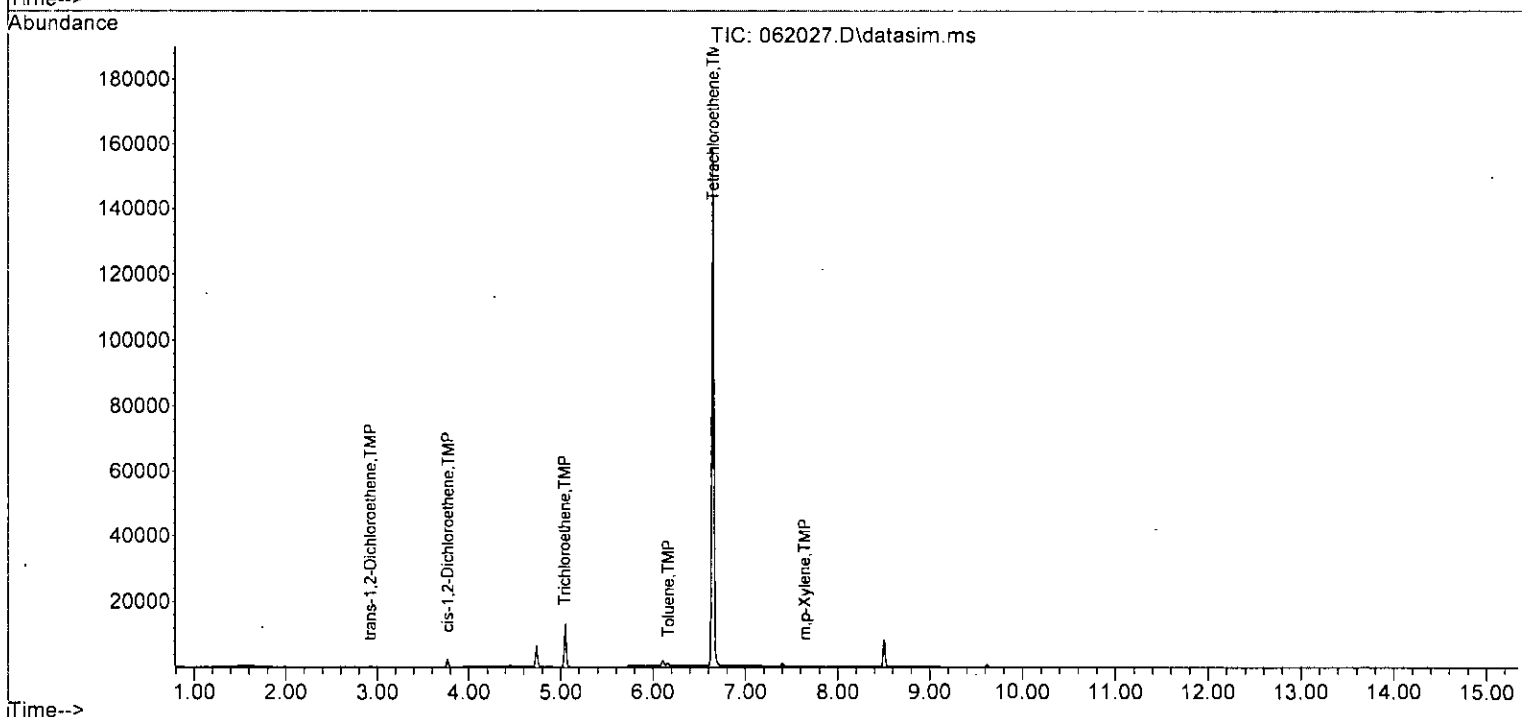
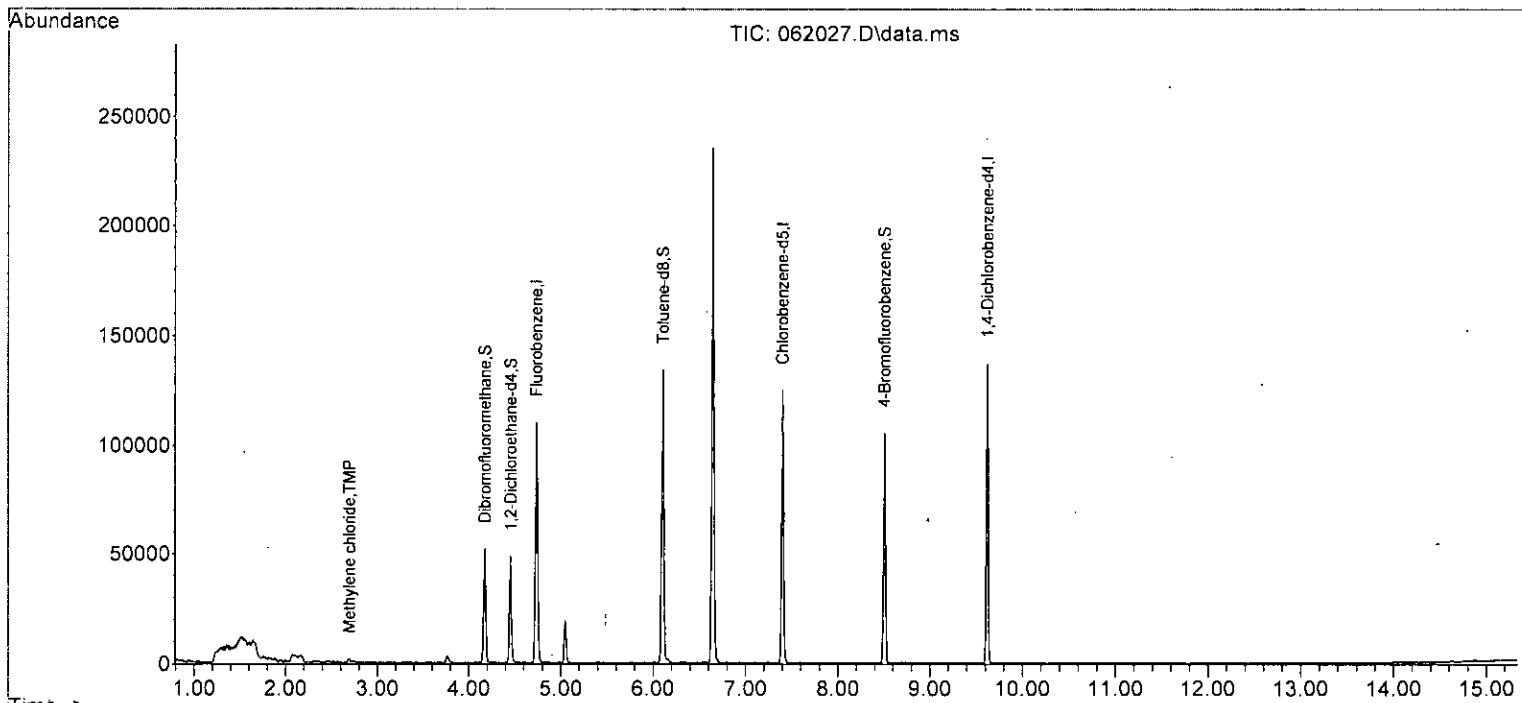
Quant Time: Jun 21 08:21:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

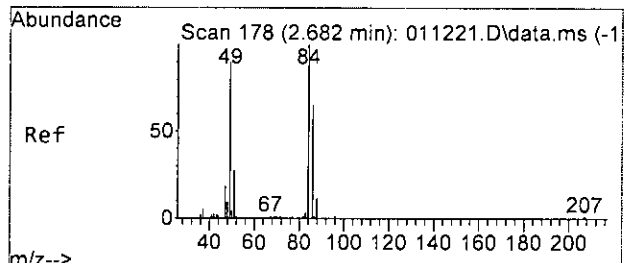
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 80572 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 65603 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 35733 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25816 | 10.609 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 106.10% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5418 | 10.775 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 107.70% | |
| 35) Toluene-d8 | 6.11 | 98 | 76511 | 9.900 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 99.00% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 26630 | 9.838 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 98.40% | |
| Target Compounds | | | | | | |
| 14) Methylene chloride | 2.69 | 84 | 719 | 0.397 | ppb | # 70 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 35 | 0.017 | ppb | 79 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 1325 | 0.588 | ppb | 81 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 73 | Below Cal | | 85 |
| 32] Trichloroethene | 5.04 | 95 | 5113 | 2.059 | ppb | 96 |
| 40] Toluene | 6.16 | 92 | 431 | 0.073 | ppb | 81 |
| 45] Tetrachloroethene | 6.65 | 164 | 55433 | 22.633 | ppb | 99 |
| 51] m,p-Xylene | 7.64 | 106 | 48 | 0.012 | ppb | 89 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062027.D
 Acq On : 20 Jun 2023 04:34 pm
 Operator : MD
 Sample : 306243-01 1/100
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

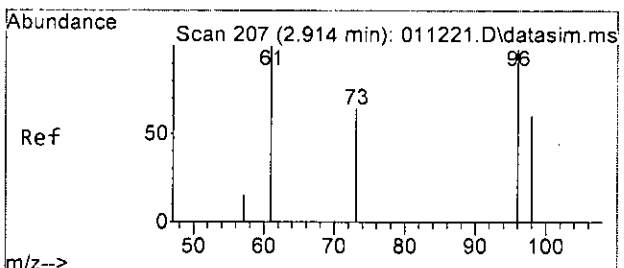
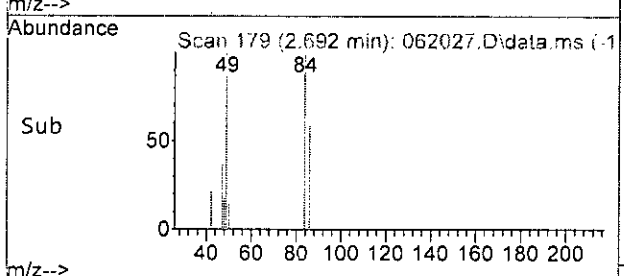
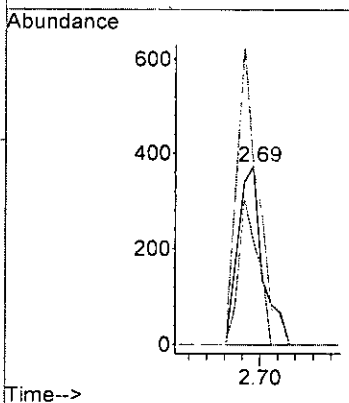
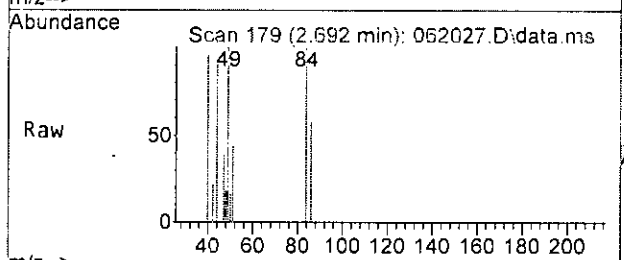
Quant Time: Jun 21 08:21:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





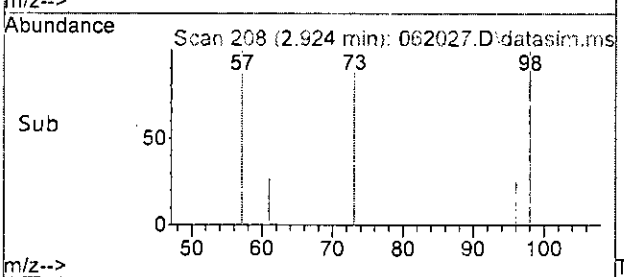
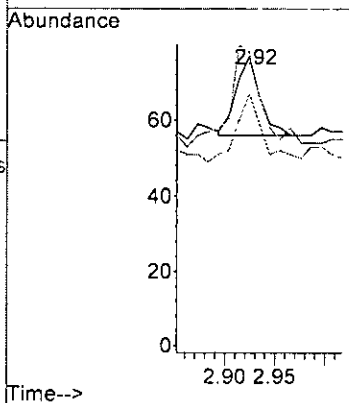
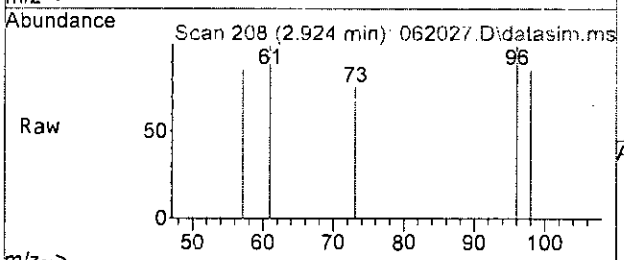
#14
 Methylene chloride
 Concen: 0.397 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

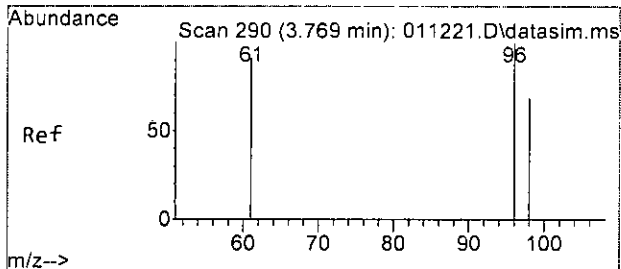
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 84 | 100 | | |
| 86 | 59.1 | 35.0 | 95.0 |
| 49 | 101.3 | 122.5 | 182.5# |



#17
 trans-1,2-Dichloroethene
 Concen: 0.017 ppb
 RT: 2.92 min Scan# 208
 Delta R.T. 0.010 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

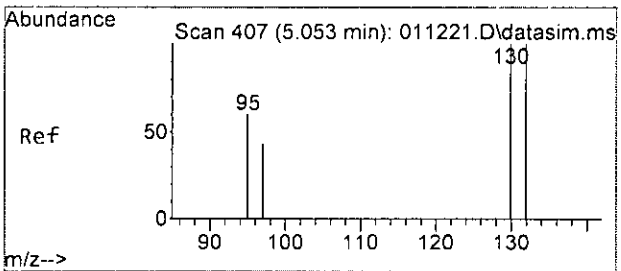
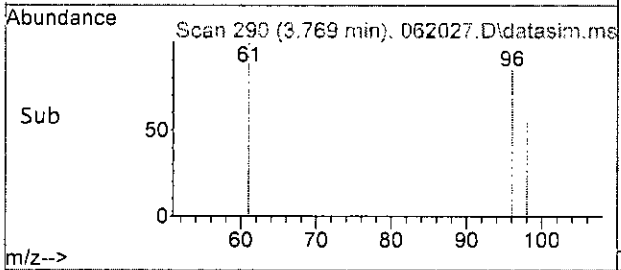
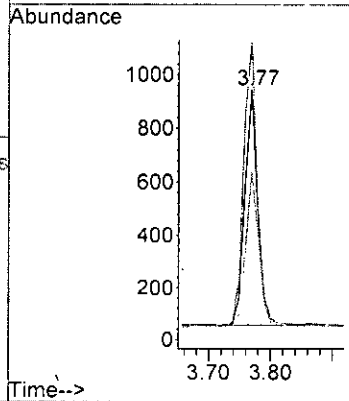
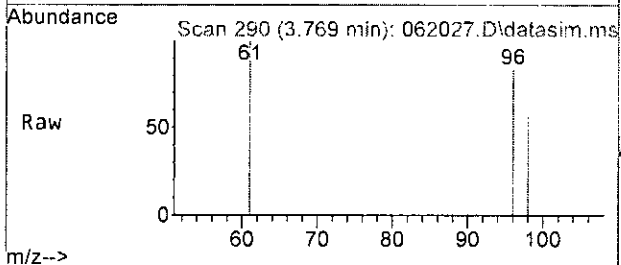
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 114.3 | 108.7 | 168.7 |
| 98 | 81.0 | 34.3 | 94.3 |





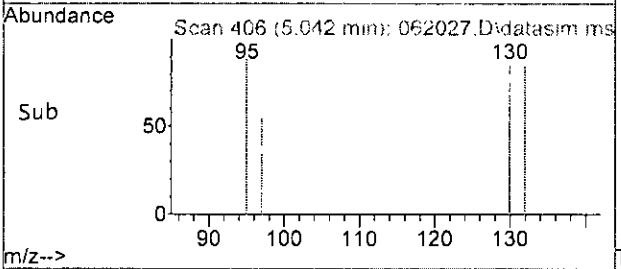
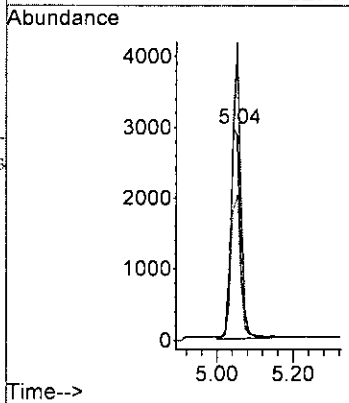
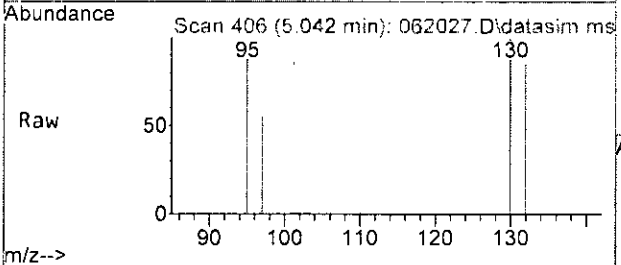
#22
 cis-1,2-Dichloroethene
 Concen: 0.588 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.011 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

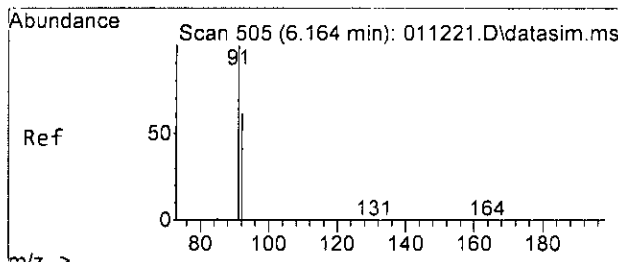
Tgt Ion: 96 Resp: 1325
 Ion Ratio Lower Upper
 96 100
 61 120.8 119.0 179.0
 98 66.1 29.0 89.0



#32
 Trichloroethene
 Concen: 2.059 ppb
 RT: 5.04 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

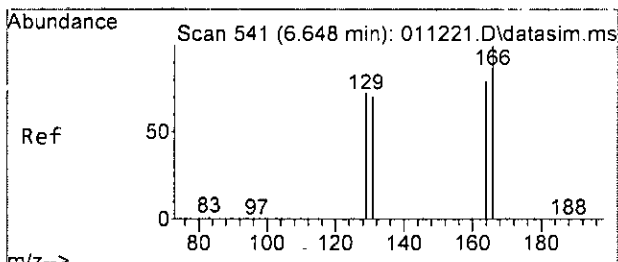
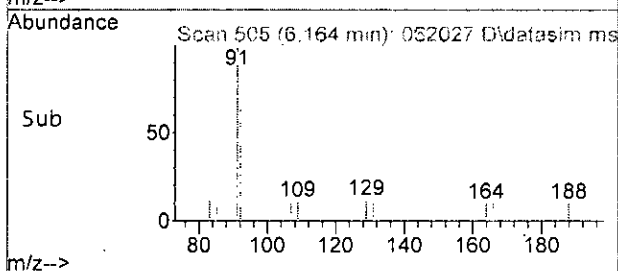
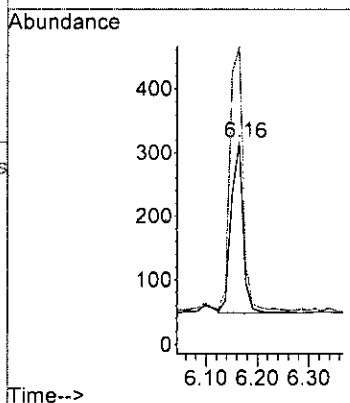
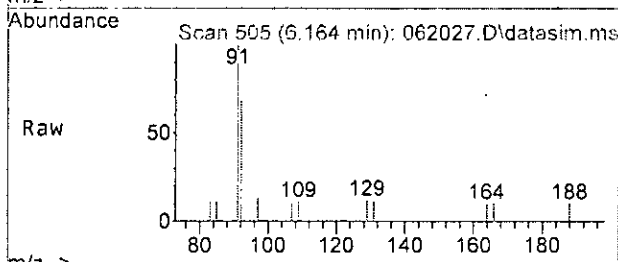
Tgt Ion: 95 Resp: 5113
 Ion Ratio Lower Upper
 95 100
 97 60.0 32.9 92.9
 130 108.8 80.9 140.9
 132 92.7 69.4 129.4





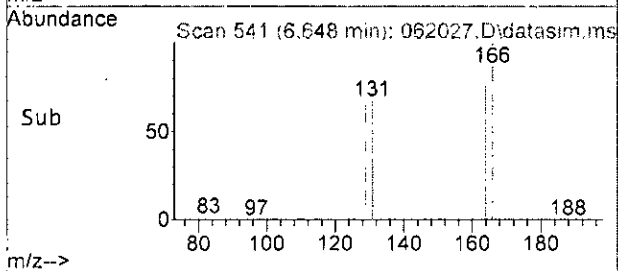
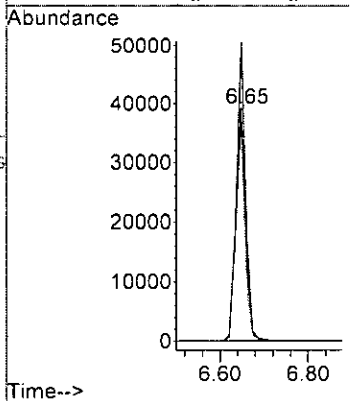
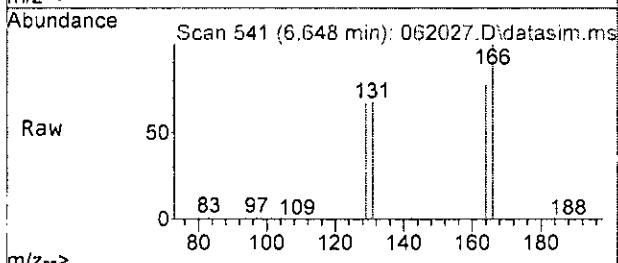
#40
 Toluene
 Concen: 0.073 ppb
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

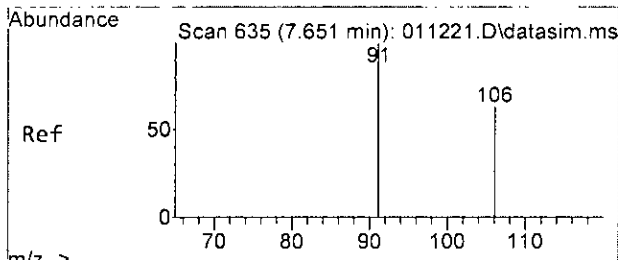
Tgt Ion: 92 Resp: 431
 Ion Ratio Lower Upper
 92 100
 91 153.4 150.0 210.0



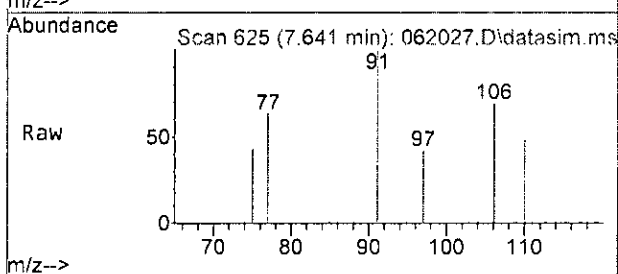
#45
 Tetrachloroethene
 Concen: 22.633 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm

Tgt Ion: 164 Resp: 55433
 Ion Ratio Lower Upper
 164 100
 129 85.7 56.4 116.4
 131 86.0 57.2 117.2
 166 129.3 101.6 161.6

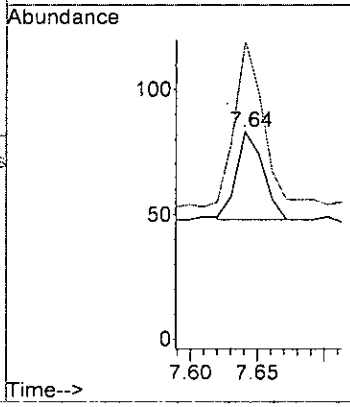
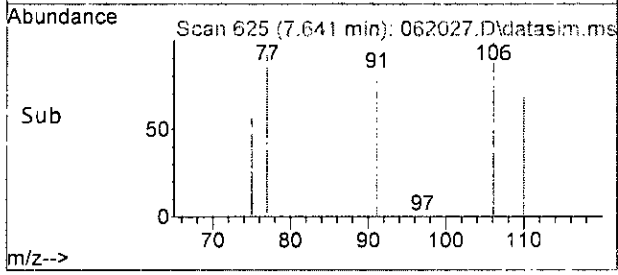




#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062027.D
 Acq: 20 Jun 2023 04:34 pm



Tgt Ion: 106 Resp: 48
 Ion Ratio Lower Upper
 106 100
 91 185.7 172.0 232.0



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062027.D
 Acq On : 20 Jun 2023 04:34 pm
 Operator : MD
 Sample : 306243-01 1/100
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 80572 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 65603 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 35733 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25816 | 10.609 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 106.10% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5418 | 10.775 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 107.70% | | |
| 35) Toluene-d8 | 6.11 | 98 | 76511 | 9.900 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 99.00% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 26630 | 9.838 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 98.40% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | | |
| 5) Chloromethane | 1.25 | 50 | 794 | | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. | d | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | | |
| 11) Acetone | 0.00 | | 0 | | N.D. | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 13) Hexane | 0.00 | | 0 | | N.D. | | |
| 14) Methylene chloride | 2.69 | 84 | 719 | 0.397 | ppb | # | 70 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 35 | 0.017 | ppb | | 79 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 1325 | 0.588 | ppb | | 81 |
| 23) Chloroform | 0.00 | | 0 | | N.D. | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | | N.D. | d | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 73 | Below Cal | | | 85 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. | | |
| 31) Benzene | 4.50 | 78 | 50 | | N.D. | | |
| 32] Trichloroethene | 5.04 | 95 | 5113 | 2.059 | ppb | | 96 |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062027.D
 Acq On : 20 Jun 2023 04:34 pm
 Operator : MD
 Sample : 306243-01 1/100
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

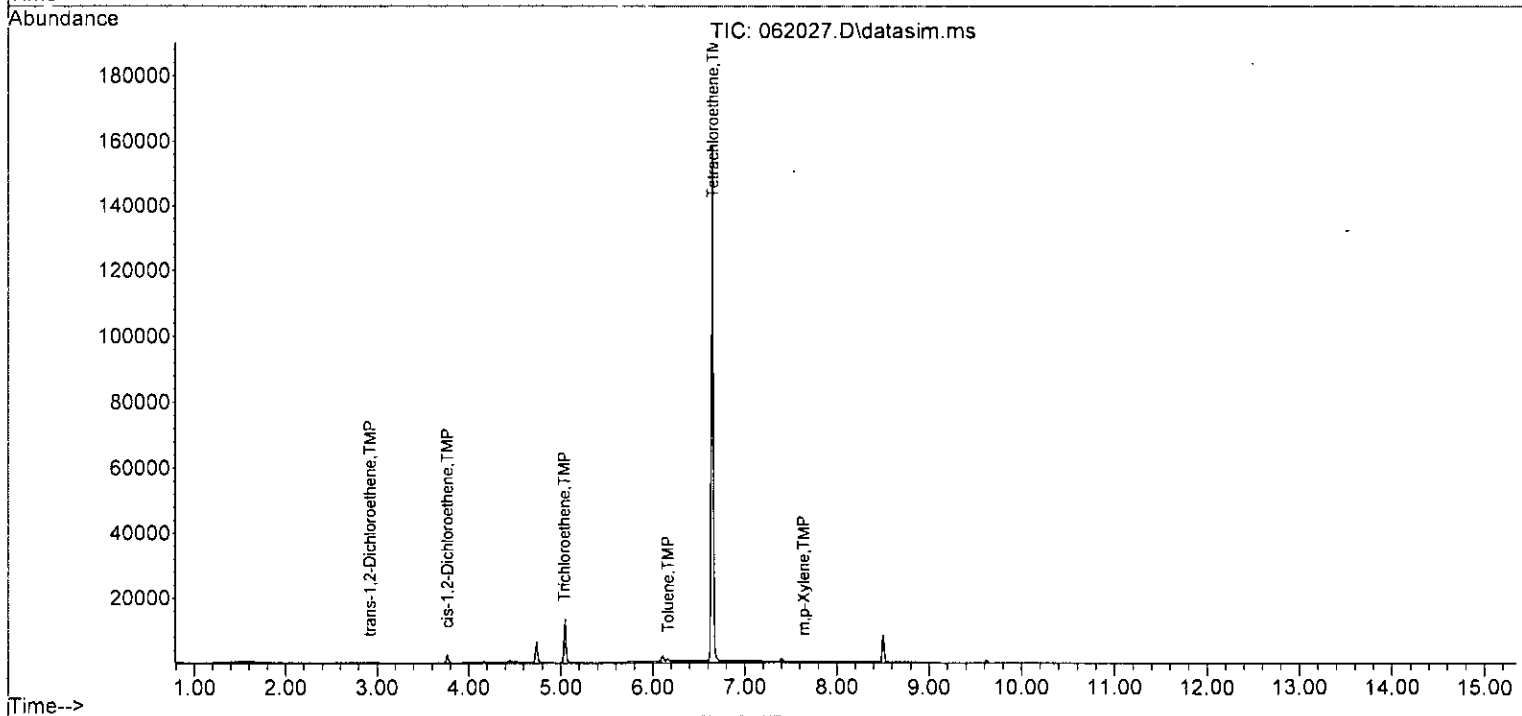
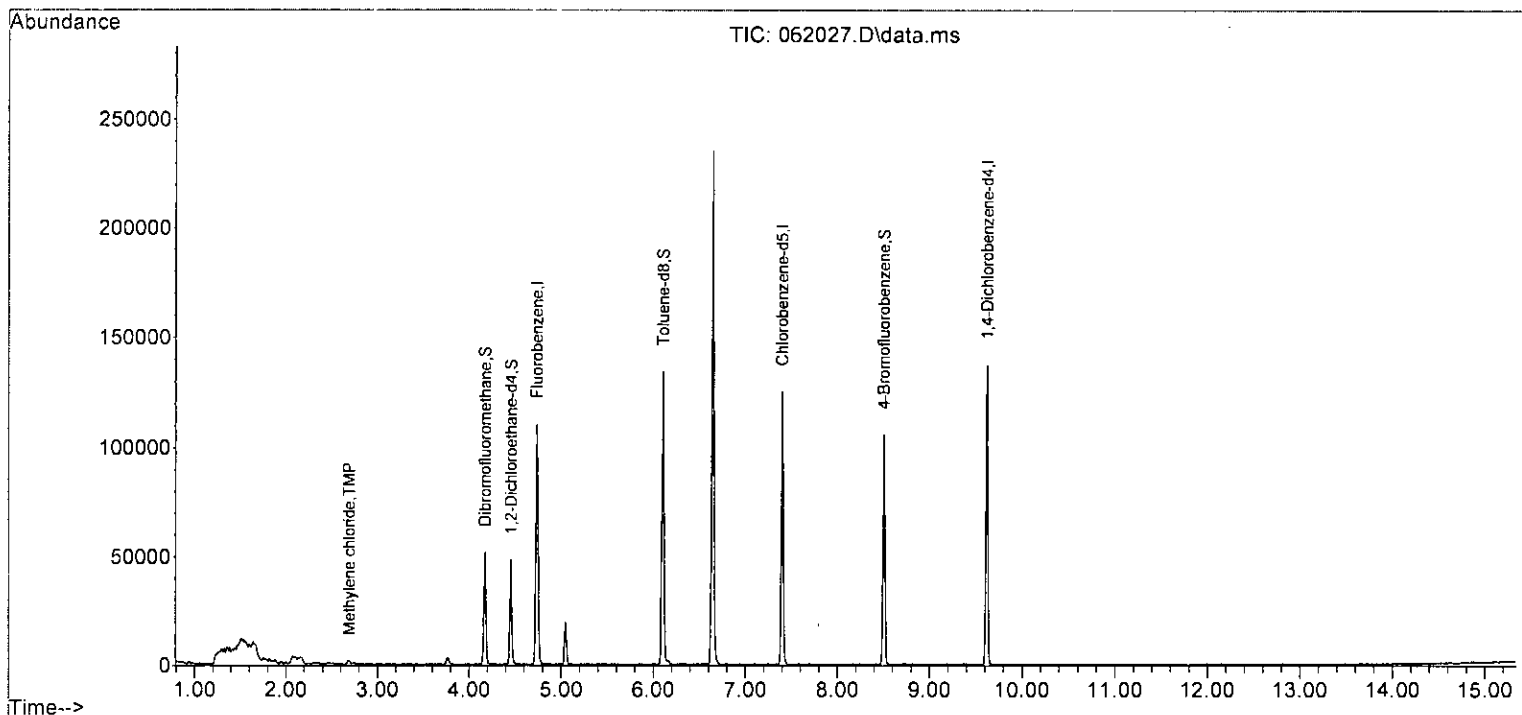
Quant Time: Jun 21 08:21:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 431 | 0.073 | ppb | 81 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | d |
| 43) 2-Hexanone | 6.64 | 43 | 131 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 55433 | 22.633 | ppb | 99 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 52 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 48 | 0.012 | ppb | 89 |
| 52) o-Xylene | 8.01 | 106 | 20 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.30 | 105 | 24 | | N.D. | |
| 67) sec-Butylbenzene | 9.30 | 105 | 24 | | N.D. | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 25 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062027.D
 Acq On : 20 Jun 2023 04:34 pm
 Operator : MD
 Sample : 306243-01 1/100
 Misc : water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

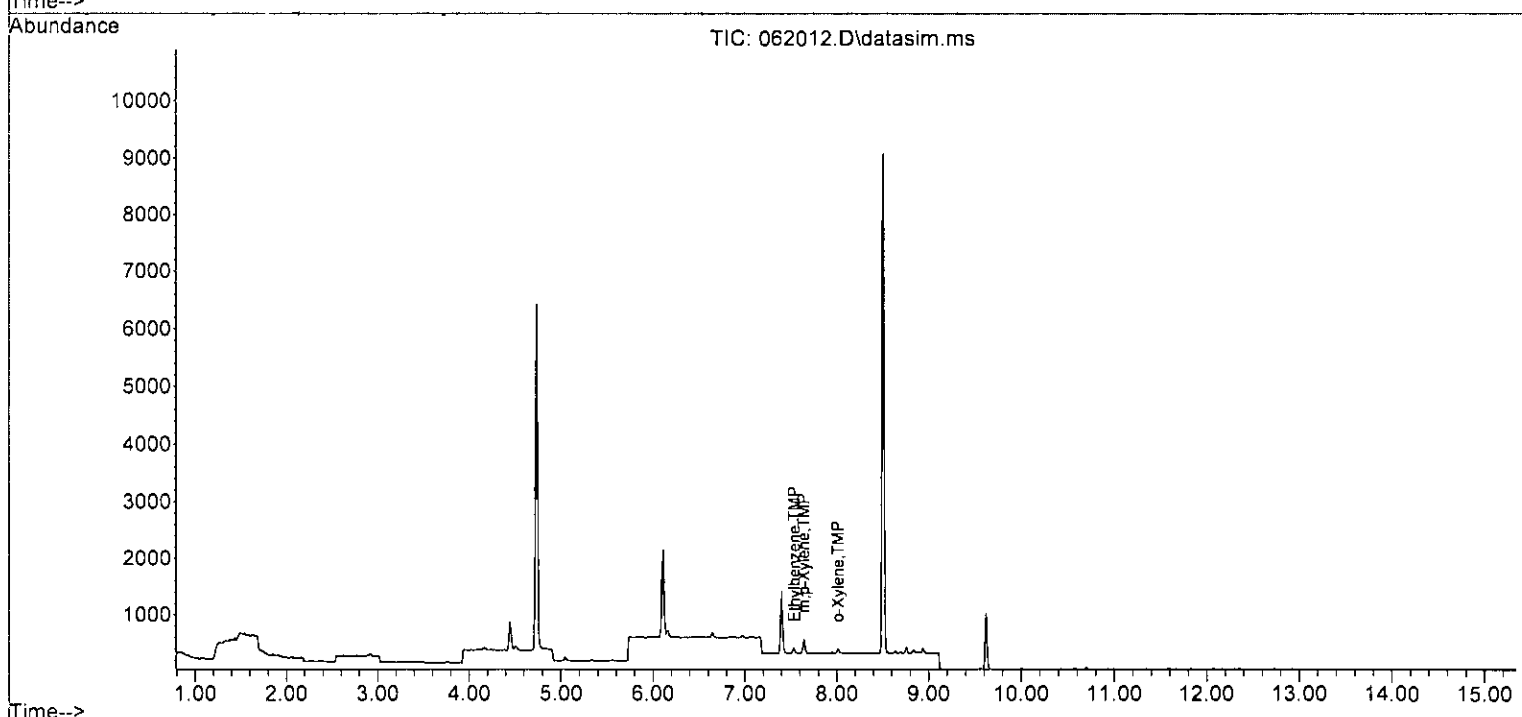
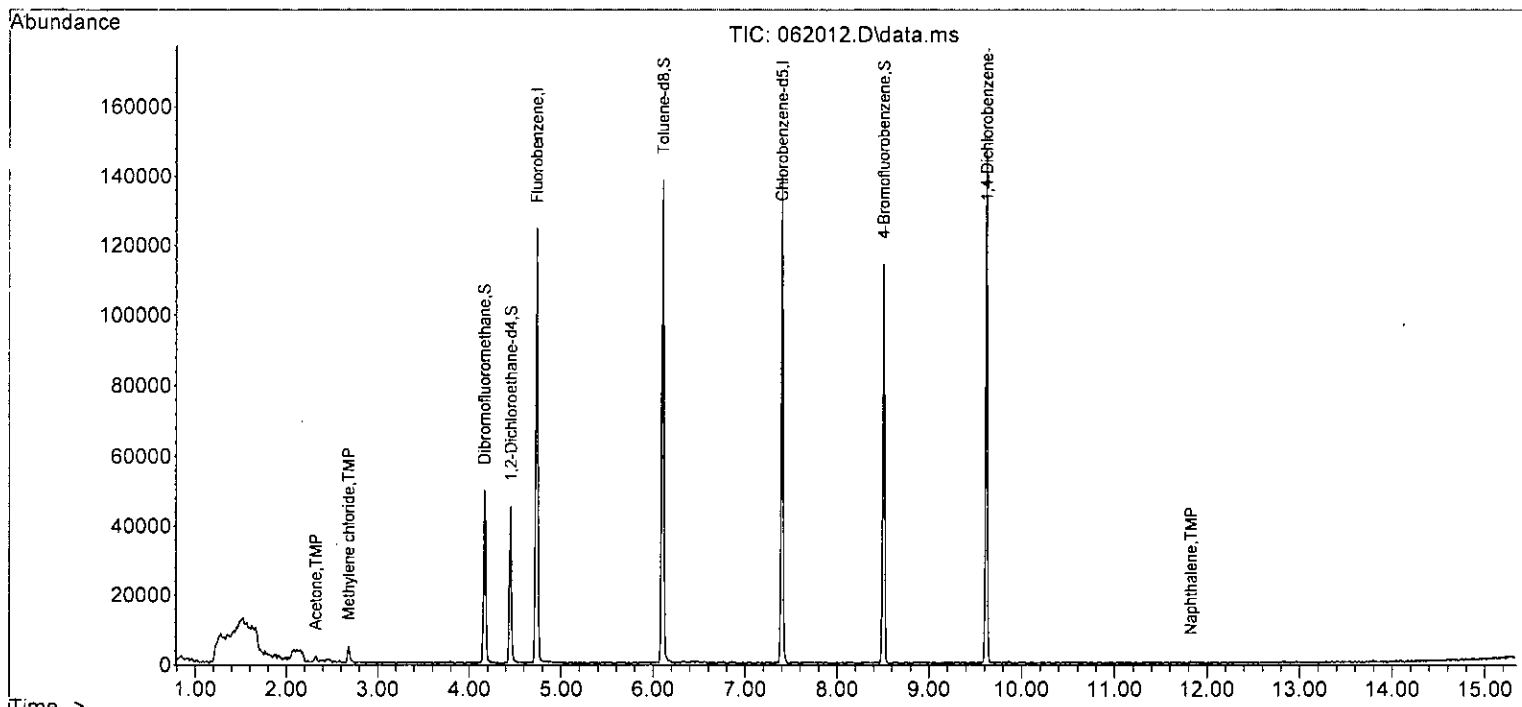
Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

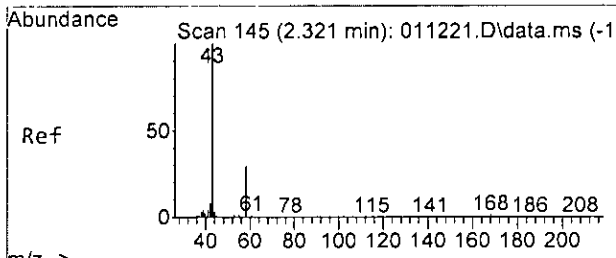
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 86788 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 71237 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39737 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 25738 | 9.820 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.20% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4923 | 9.089 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 90.90% | |
| 35) Toluene-d8 | 6.11 | 98 | 81390 | 9.777 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.80% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29115 | 9.672 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 96.70% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 11) Acetone | 2.32 | 58 | 396 | 1.294 | ppb | 93 |
| 14) Methylene chloride | 2.68 | 84 | 1941 | 0.995 | ppb | 87 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 75 | Below Cal | | 93 |
| 49] Ethylbenzene | 7.54 | 91 | 107 | 0.010 | ppb | 93 |
| 51] m,p-Xylene | 7.64 | 106 | 123 | 0.029 | ppb | 83 |
| 52] o-Xylene | 8.01 | 106 | 47 | 0.011 | ppb | 99 |
| 75) Naphthalene | 11.82 | 128 | 348 | 0.041 | ppb | 70 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

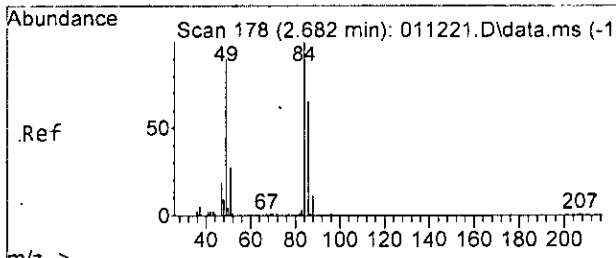
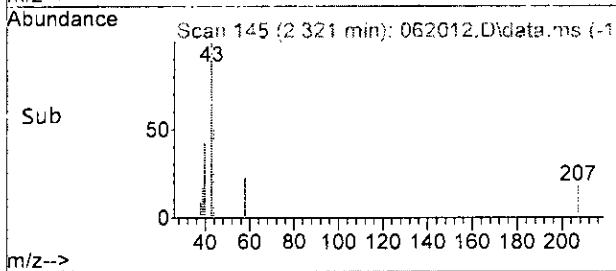
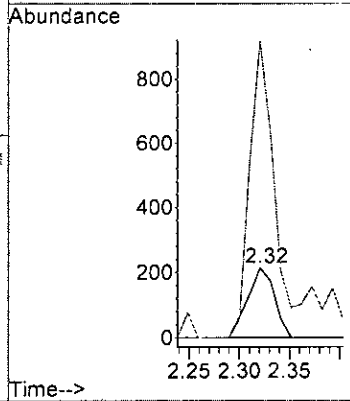
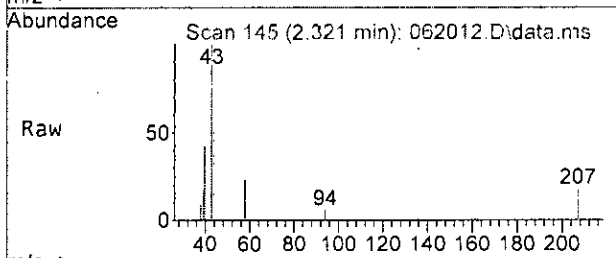
Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





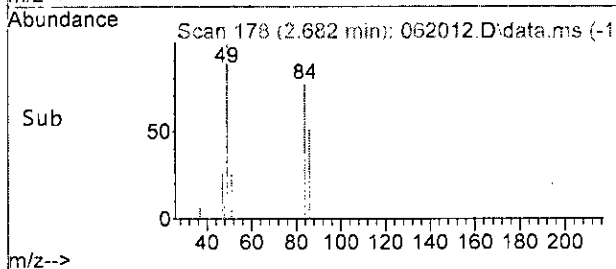
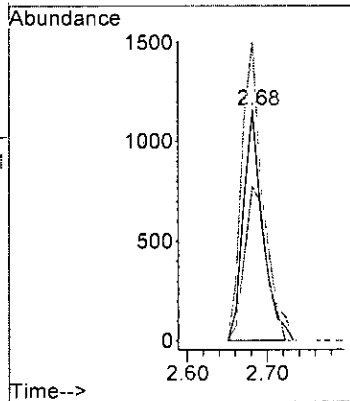
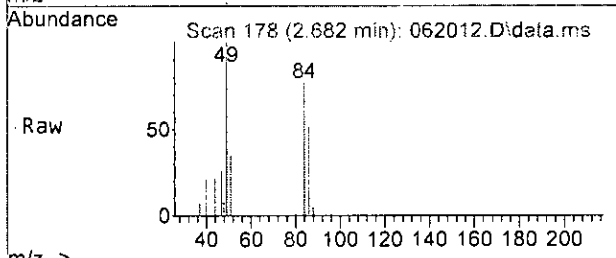
#11
 Acetone
 Concen: 1.294 ppb
 RT: 2.32 min Scan# 145
 Delta R.T. 0.000 min
 Lab File: 062012.D
 Acq: 20 Jun 2023 10:44 am

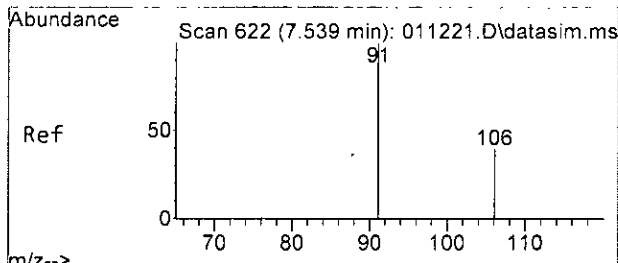
Tgt Ion: 58 Resp: 396
 Ion Ratio Lower Upper
 58 100
 43 398.0 351.7 411.7



#14
 Methylene chloride
 Concen: 0.995 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 062012.D
 Acq: 20 Jun 2023 10:44 am

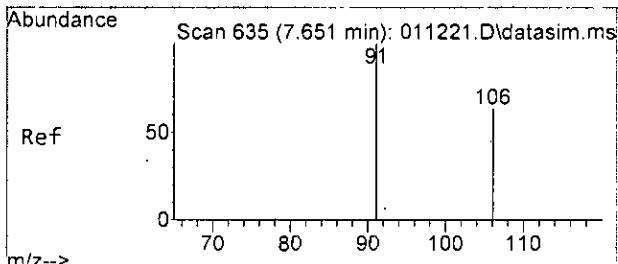
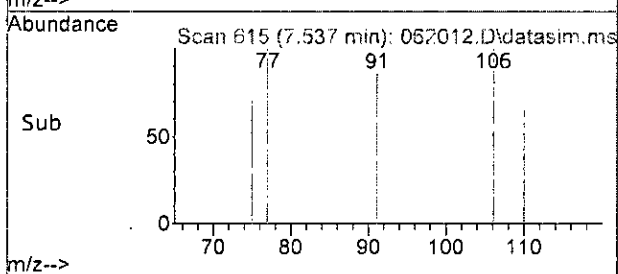
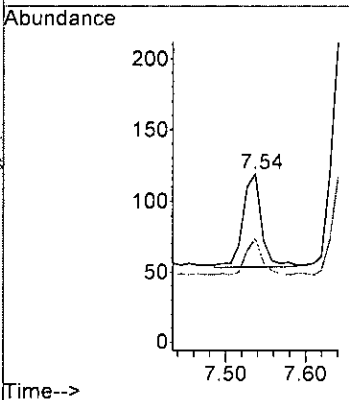
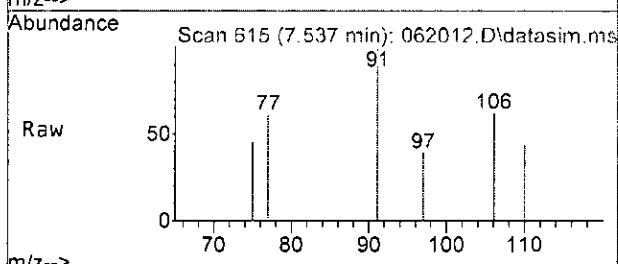
Tgt Ion: 84 Resp: 1941
 Ion Ratio Lower Upper
 84 100
 86 66.8 35.0 95.0
 49 130.0 122.5 182.5





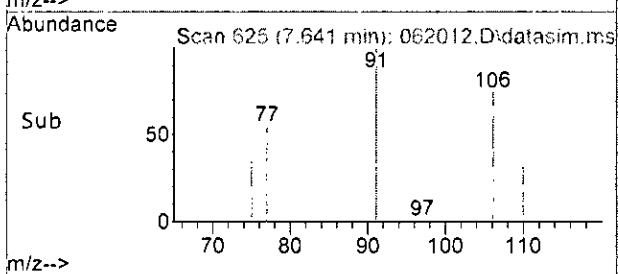
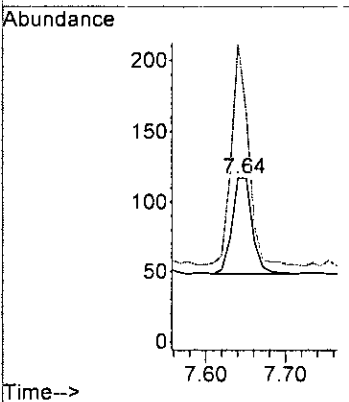
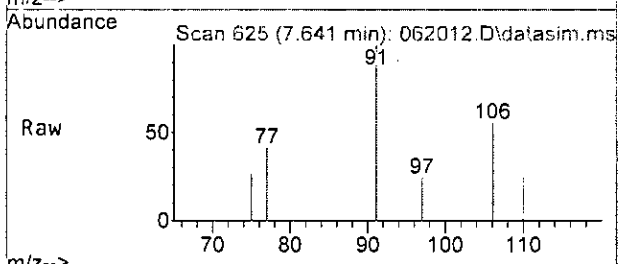
#49
 Ethylbenzene
 Concen: 0.010 ppb
 RT: 7.54 min Scan# 615
 Delta R.T. 0.000 min
 Lab File: 062012.D
 Acq: 20 Jun 2023 10:44 am

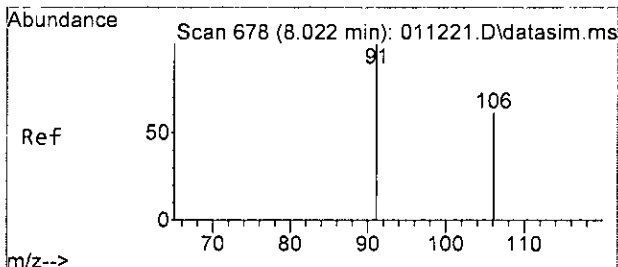
Tgt Ion: 91 Resp: 107
 Ion Ratio Lower Upper
 91 100
 106 40.6 6.6 66.6



#51
 m,p-Xylene
 Concen: 0.029 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062012.D
 Acq: 20 Jun 2023 10:44 am

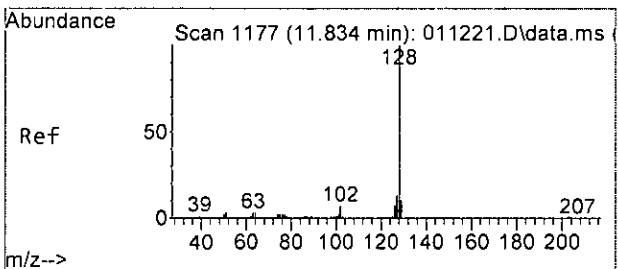
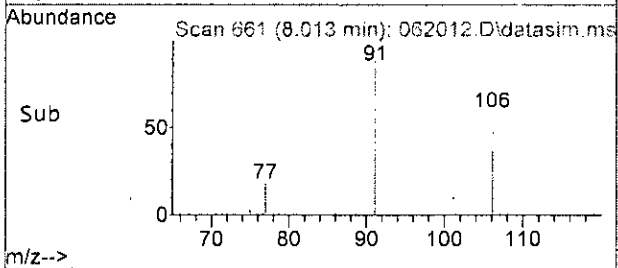
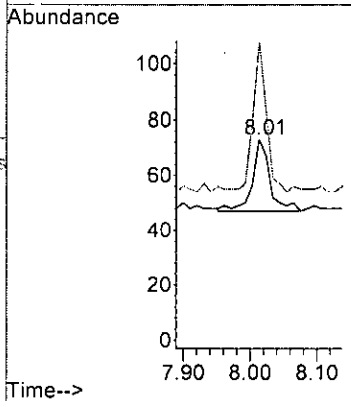
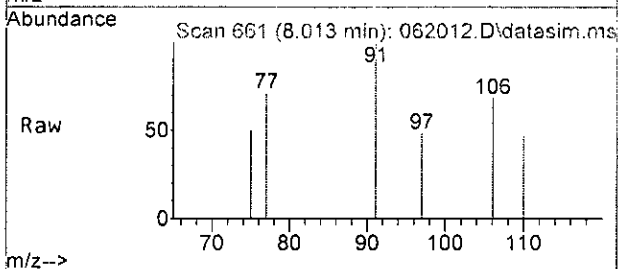
Tgt Ion: 106 Resp: 123
 Ion Ratio Lower Upper
 106 100
 91 227.5 172.0 232.0





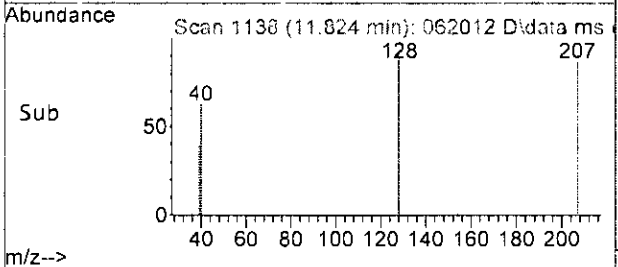
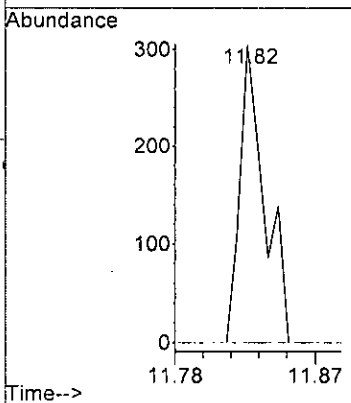
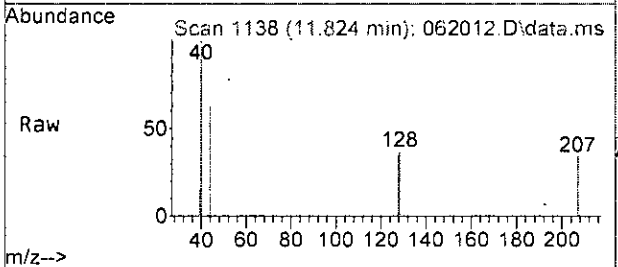
#52
o-Xylene
Concen: 0.011 ppb
RT: 8.01 min Scan# 661
Delta R.T. 0.000 min
Lab File: 062012.D
Acq: 20 Jun 2023 10:44 am

Tgt Ion: 106 Resp: 47
Ion Ratio Lower Upper
106 100
91 203.8 172.7 232.7



#75
Naphthalene
Concen: 0.041 ppb
RT: 11.82 min Scan# 1138
Delta R.T. -0.007 min
Lab File: 062012.D
Acq: 20 Jun 2023 10:44 am

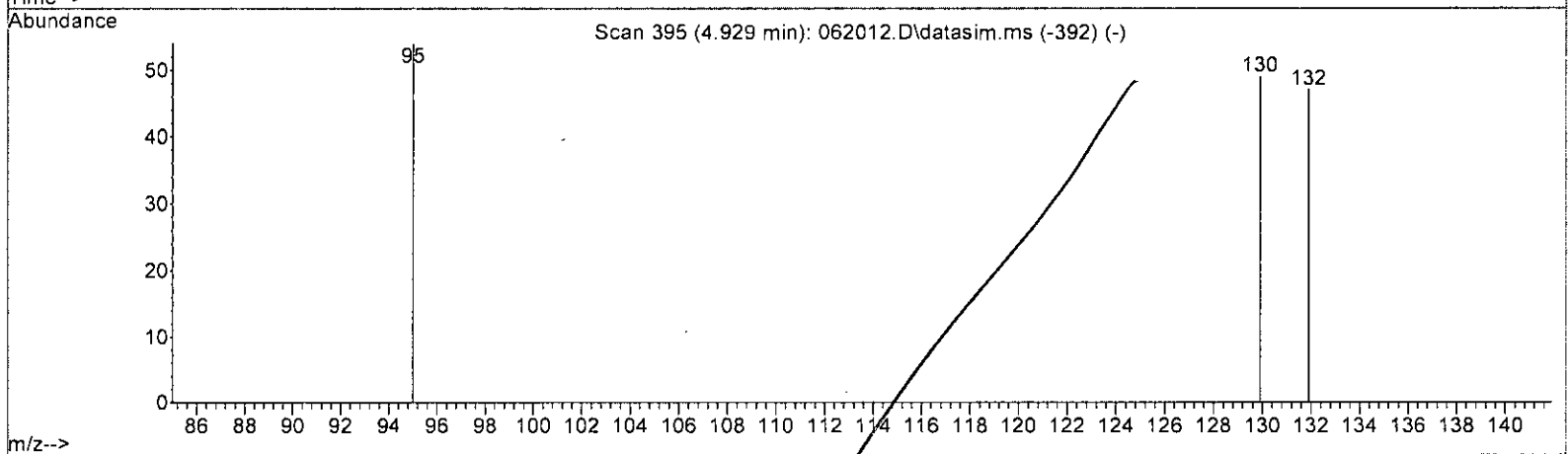
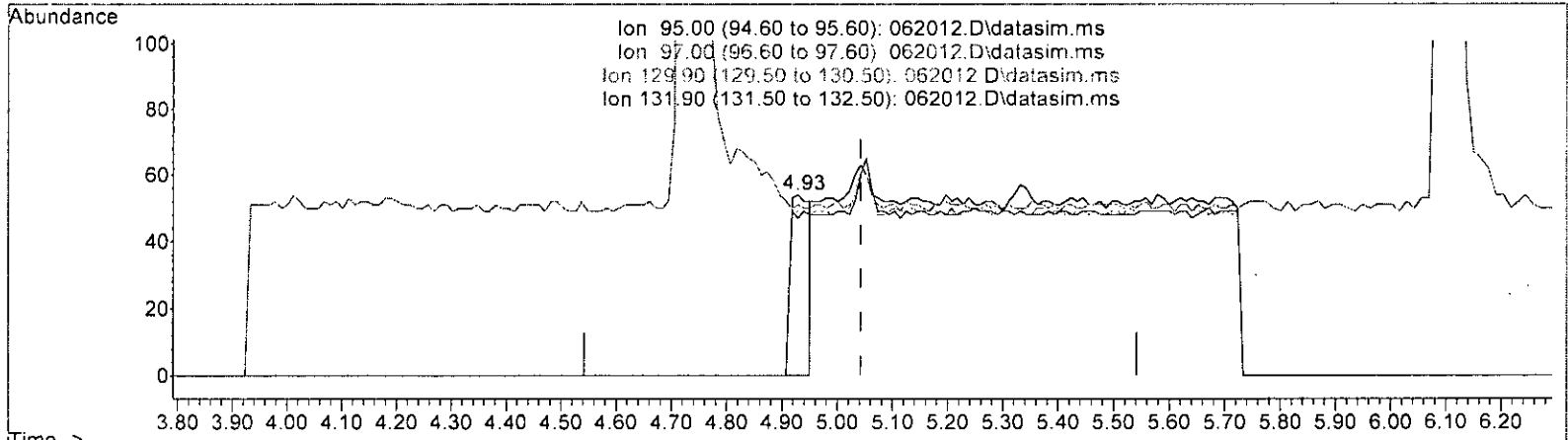
Tgt Ion: 128 Resp: 348
Ion Ratio Lower Upper
128 100
129 0.0 0.0 40.6
127 0.0 0.0 42.5



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062012.D\data.ms

(32) Trichloroethene (TMP)

4.929min (-0.113) 0.045 ppb

response 135

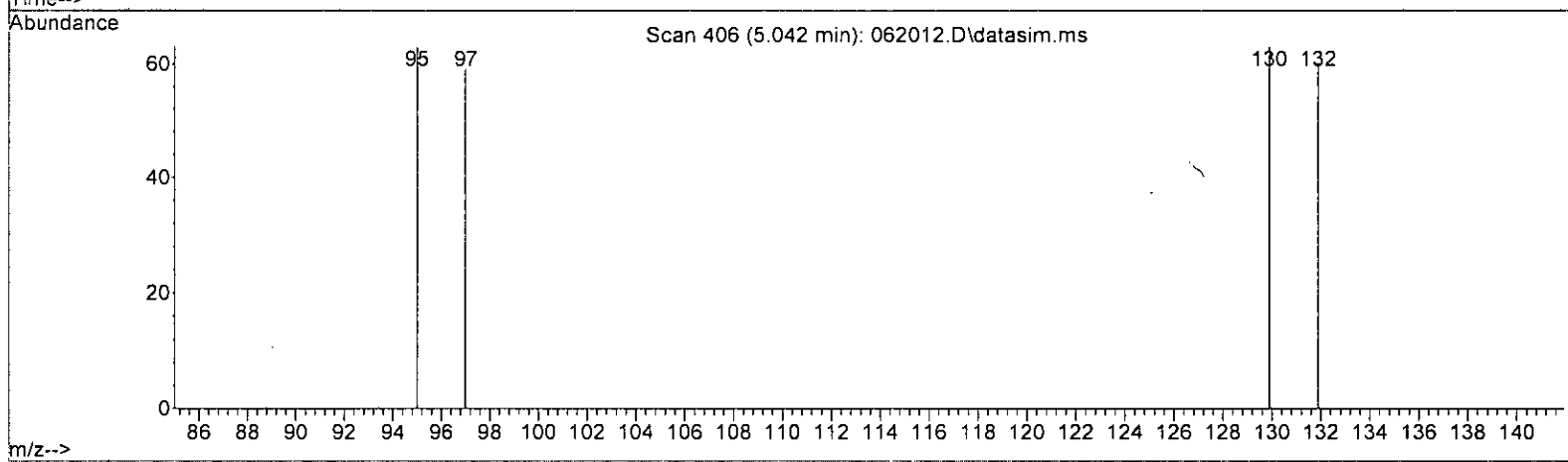
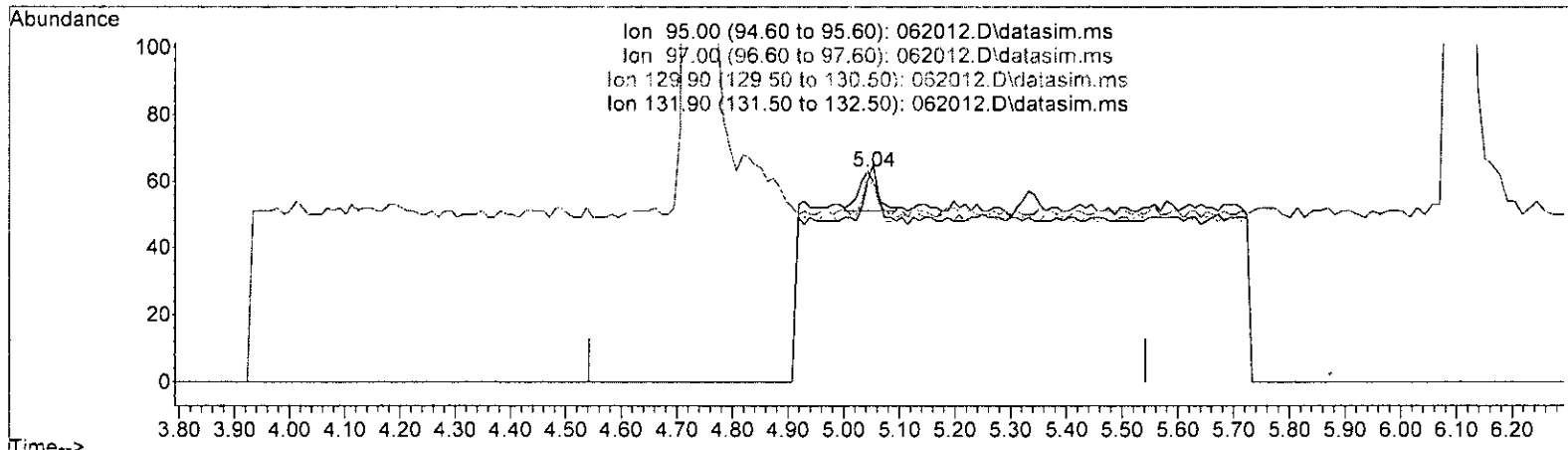
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 1.85# |
| 129.90 | 110.90 | 90.74 |
| 131.90 | 99.40 | 87.04 |

MD 6/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062012.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) 0.004 ppb m

response 27

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 93.65# |
| 129.90 | 110.90 | 100.00 |
| 131.90 | 99.40 | 95.24 |

MD/21

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|-----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 86788 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 71237 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 39737 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 25738 | 9.820 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.20% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4923 | 9.089 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 90.90% | | |
| 35) Toluene-d8 | 6.11 | 98 | 81390 | 9.777 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.80% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 29115 | 9.672 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 96.70% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.29 | 45 | 33 | No Calib | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.25 | 50 | 397 | N.D. | | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.29 | 45 | 33 | No Calib | | | |
| 11) Acetone | 2.32 | 58 | 396 | 1.294 | ppb | | 93 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. d | | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | | |
| 14) Methylene chloride | 2.68 | 84 | 1941 | 0.995 | ppb | | 87 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. d | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 75 | Below Cal | | | 93 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 4.49 | 78 | 44 | N.D. | | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. d | | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MD
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

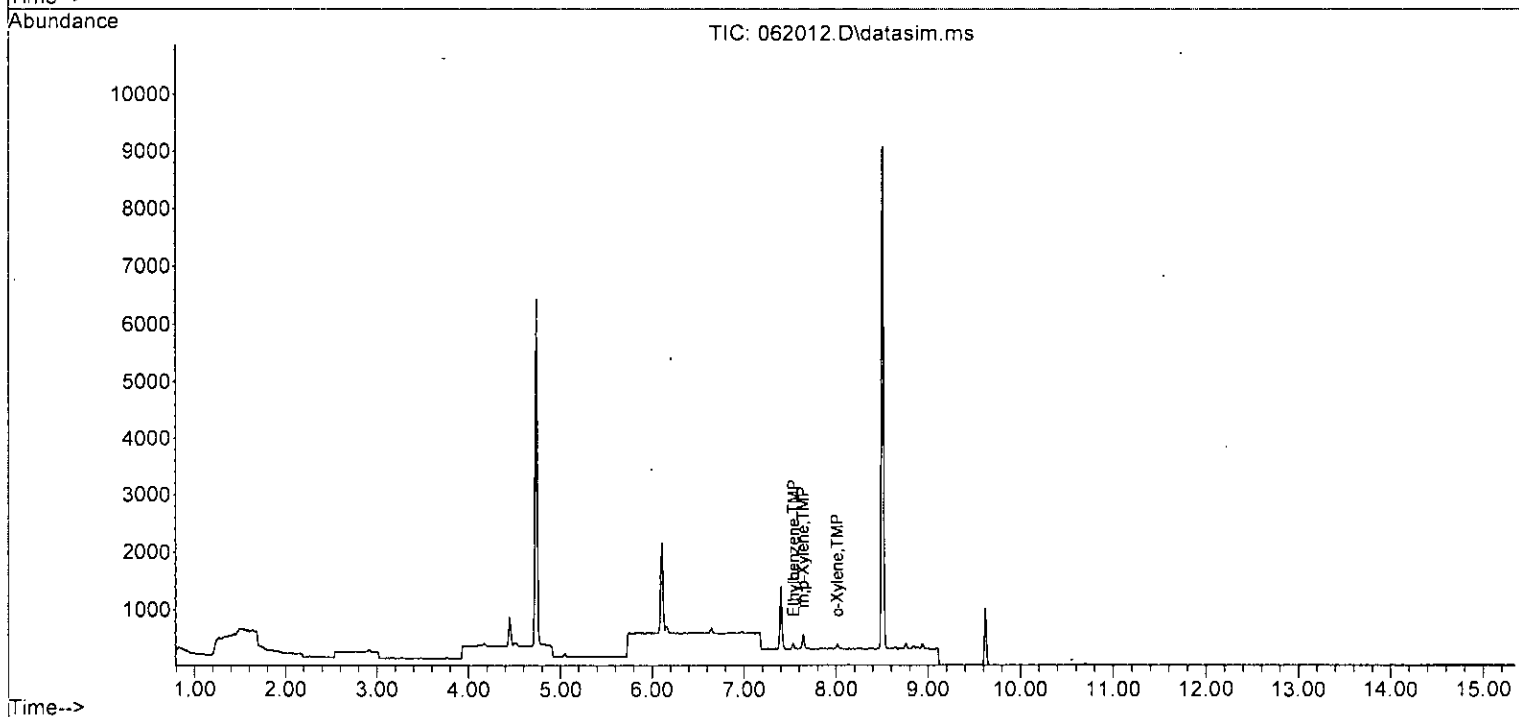
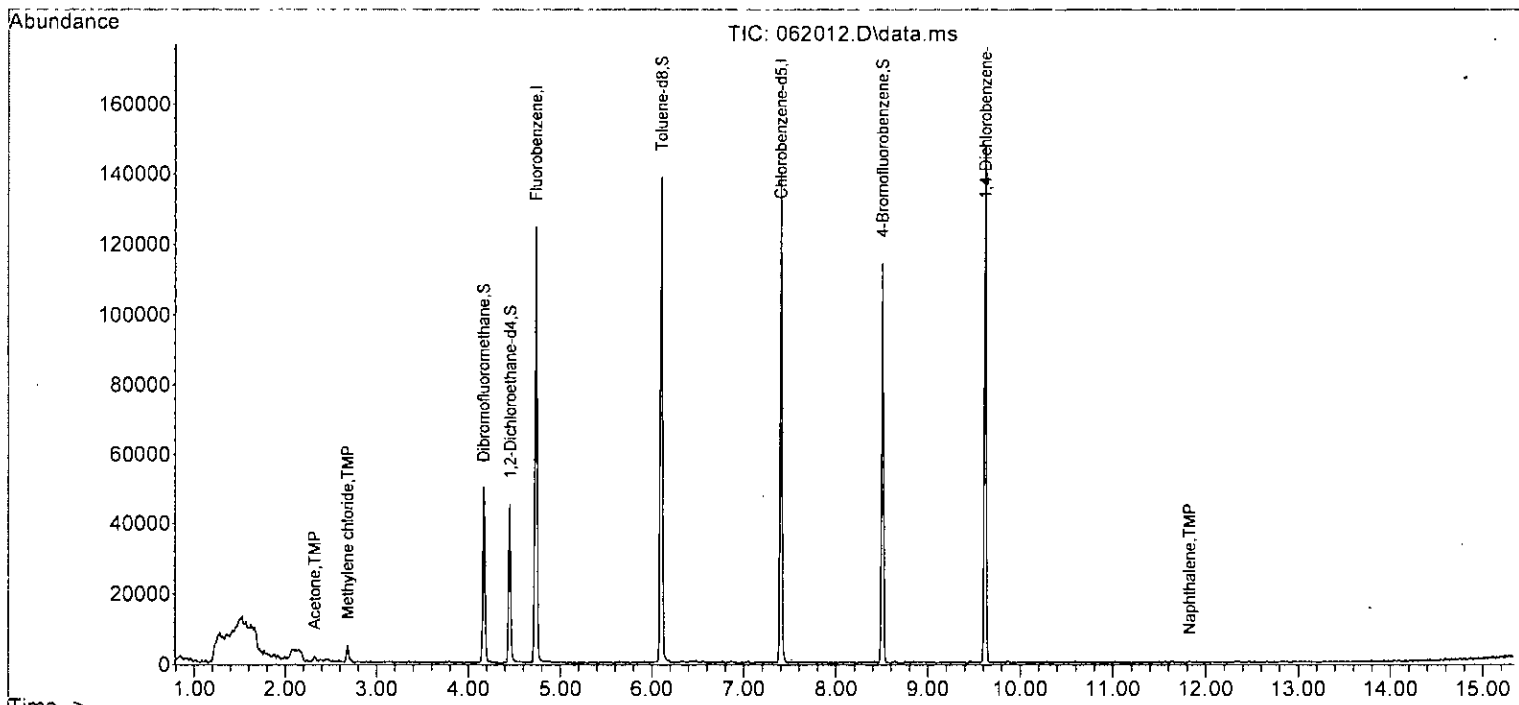
Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.16 | 92 | 82 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.70 | 43 | 192 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45) Tetrachloroethene | 6.65 | 164 | 39 | | N.D. | |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 6.97 | 107 | 25 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49] Ethylbenzene | 7.54 | 91 | 107 | 0.010 | ppb | 93 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 123 | 0.029 | ppb | 83 |
| 52] o-Xylene | 8.01 | 106 | 47 | 0.011 | ppb | 99 |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 8.37 | 105 | 65 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.75 | 91 | 67 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.93 | 105 | 132 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.85 | 91 | 38 | | N.D. | |
| 64) 4-Chlorotoluene | 8.85 | 91 | 38 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.30 | 105 | 187 | | N.D. | |
| 67) sec-Butylbenzene | 9.45 | 105 | 168 | | N.D. | |
| 68) p-Isopropyltoluene | 9.61 | 119 | 77 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 9.55 | 146 | 31 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 9.65 | 146 | 72 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.82 | 128 | 348 | 0.041 | ppb | 70 |
| 76) 1,2,3-Trichlorobenzene | 12.07 | 180 | 31 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062012.D
 Acq On : 20 Jun 2023 10:44 am
 Operator : MO
 Sample : 306243-02
 Misc : water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:29 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062022.D
 Acq On : 20 Jun 2023 02:38 pm
 Operator : MD
 Sample : 306243-03
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

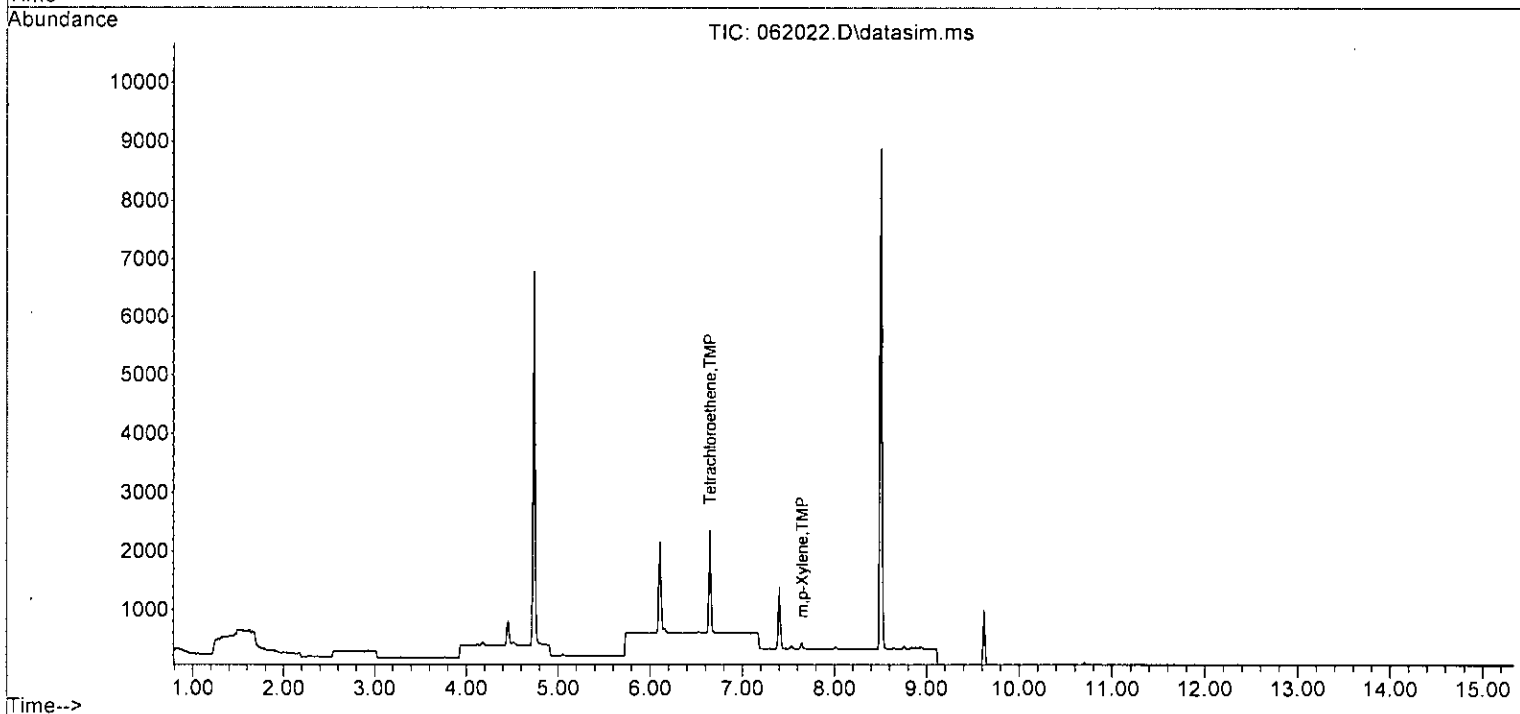
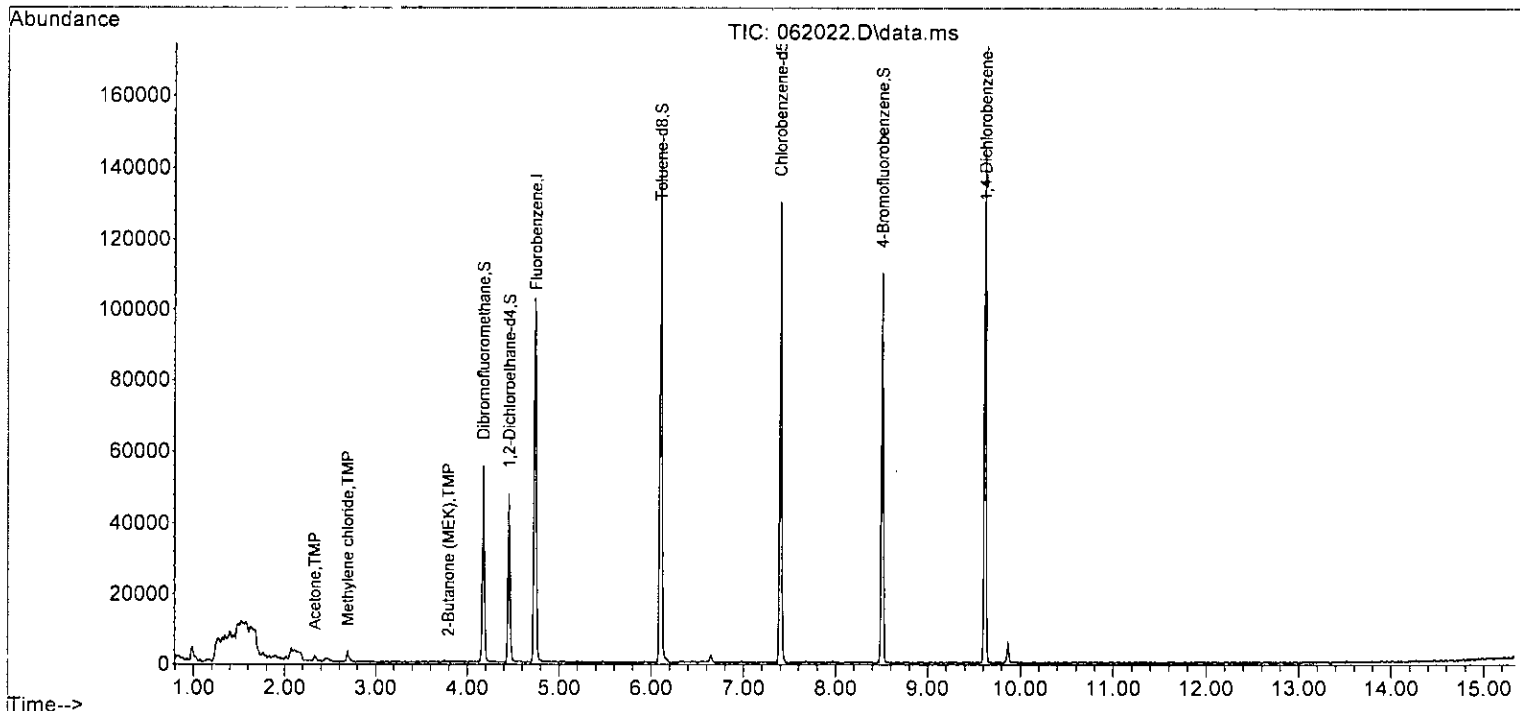
Quant Time: Jun 21 08:21:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

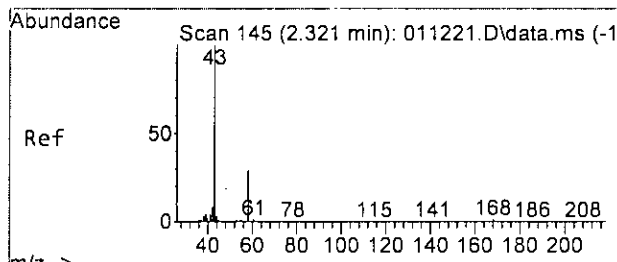
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.75 | 96 | 82579 | 10.000 | ppb | 0.01 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68636 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36571 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 24915 | 9.990 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 99.90% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5239 | 10.166 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 101.70% | |
| 35) Toluene-d8 | 6.11 | 98 | 78630 | 9.927 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 99.30% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28304 | 10.216 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 102.20% | |
| Target Compounds | | | | | | |
| 11) Acetone | 2.33 | 58 | 410 | 1.408 | ppb # | 80 |
| 14) Methylene chloride | 2.69 | 84 | 1228 | 0.662 | ppb # | 82 |
| 21) 2,2-Dichloropropane | 3.87 | 77 | 35 | Below Cal | | 46 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 162 | 0.108 | ppb | 65 |
| 40] Toluene | 6.16 | 92 | 32 | Below Cal | | 96 |
| 45] Tetrachloroethene | 6.65 | 164 | 615 | 0.231 | ppb | 95 |
| 51] m,p-Xylene | 7.65 | 106 | 59 | 0.014 | ppb # | 77 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062022.D
 Acq On : 20 Jun 2023 02:38 pm
 Operator : MD
 Sample : 306243-03
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

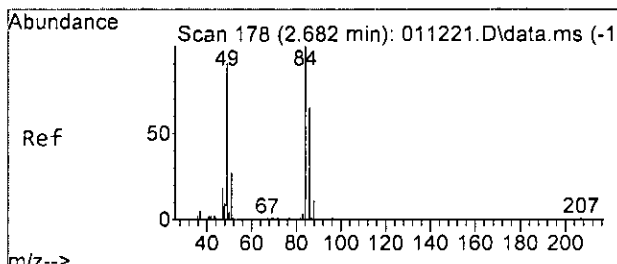
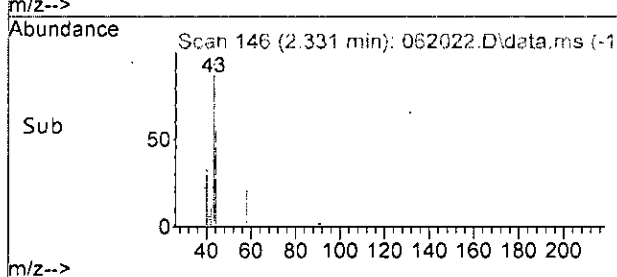
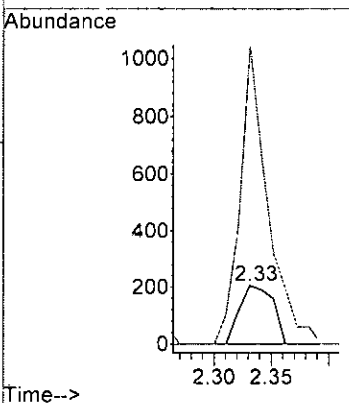
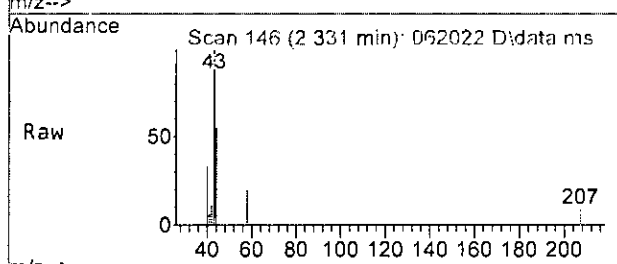
Quant Time: Jun 21 08:21:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





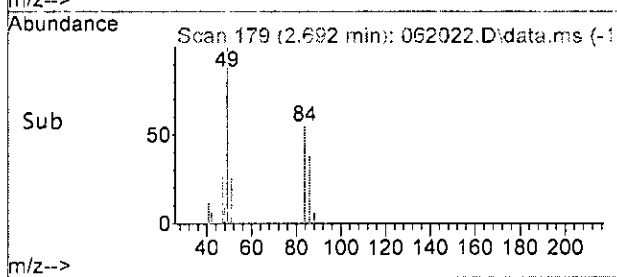
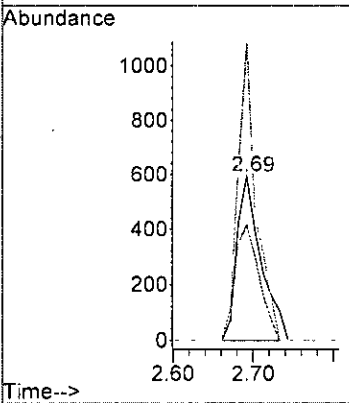
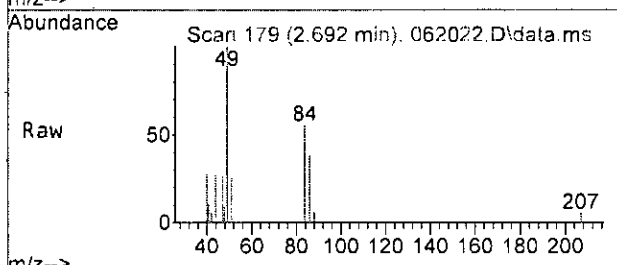
#11
 Acetone
 Concen: 1.408 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.011 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

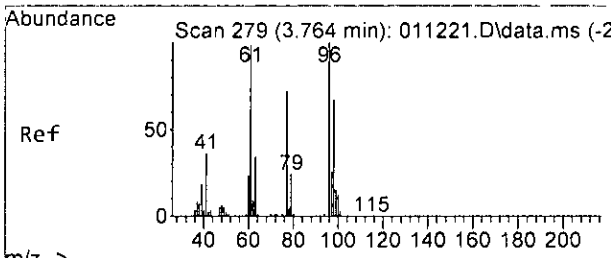
Tgt Ion: 58 Resp: 410
 Ion Ratio Lower Upper
 58 100
 43 428.0 351.7 411.7#



#14
 Methylene chloride
 Concen: 0.662 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.011 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

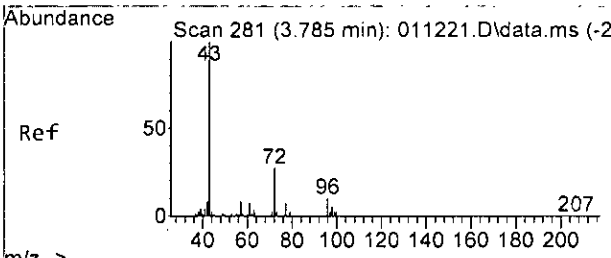
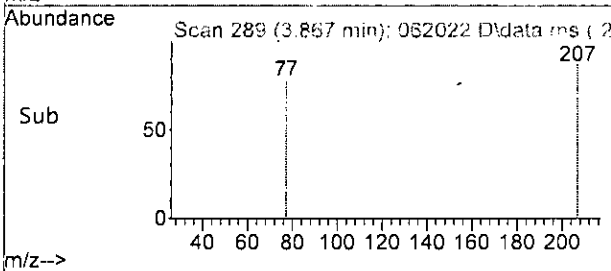
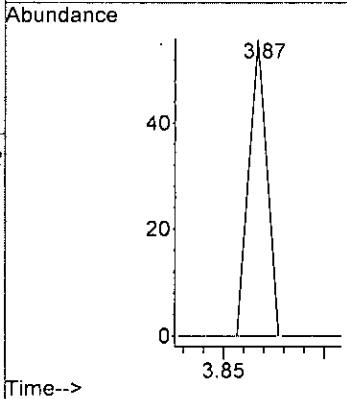
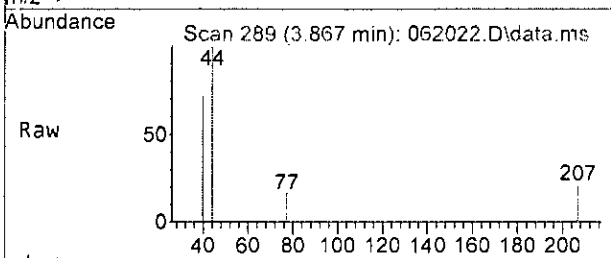
Tgt Ion: 84 Resp: 1228
 Ion Ratio Lower Upper
 84 100
 86 69.9 35.0 95.0
 49 182.8 122.5 182.5#





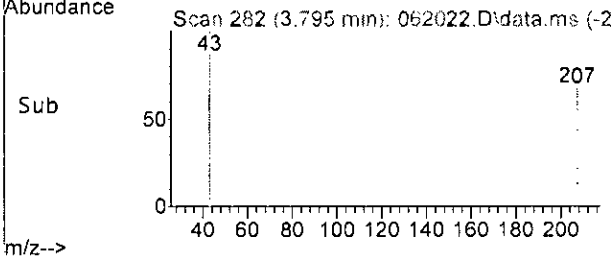
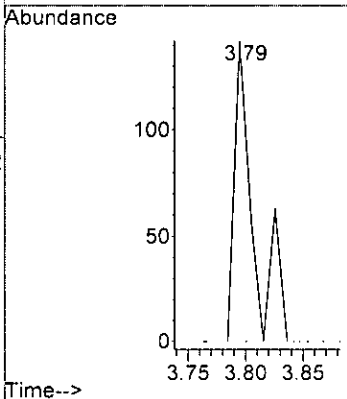
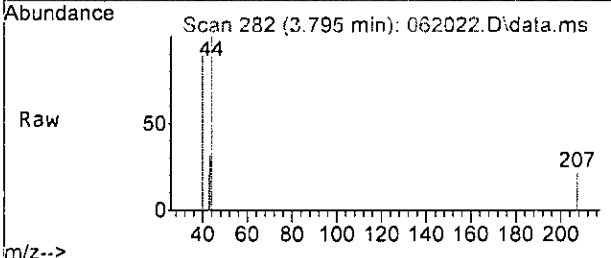
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.87 min Scan# 289
 Delta R.T. 0.103 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

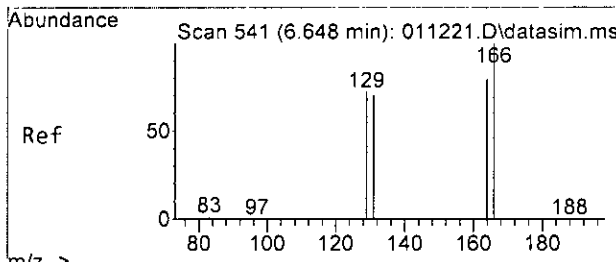
Tgt Ion: 77 Resp: 35
 Ion Ratio Lower Upper
 77 100
 97 0.0 0.0 58.8



#24
 2-Butanone (MEK)
 Concen: 0.108 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. 0.011 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

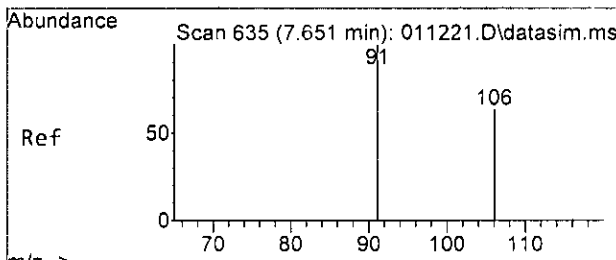
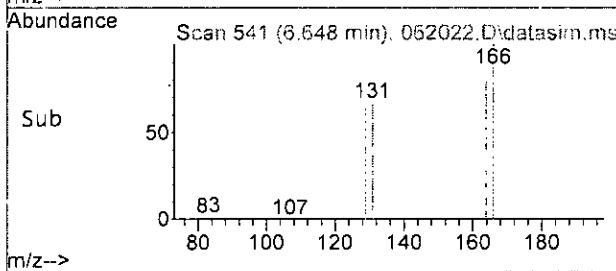
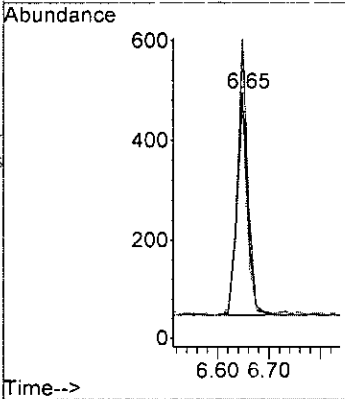
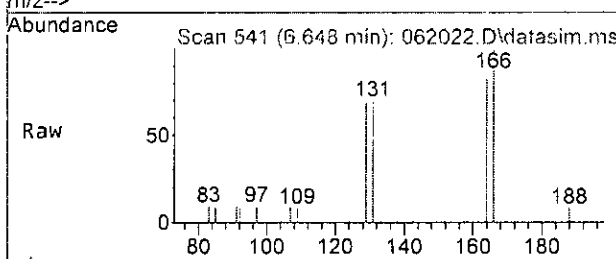
Tgt Ion: 43 Resp: 162
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 48.4
 57 0.0 0.0 26.7





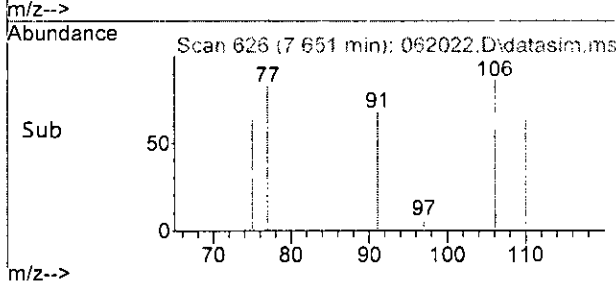
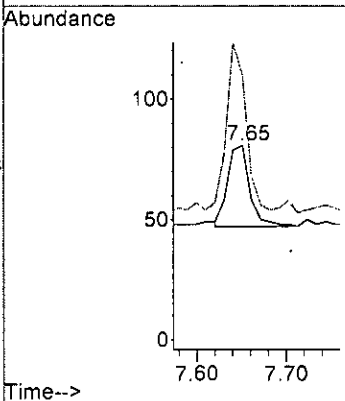
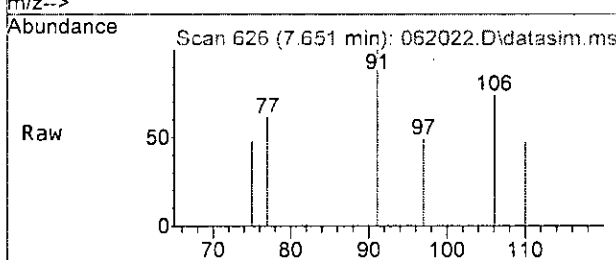
#45
 Tetrachloroethene
 Concen: 0.231 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 81.7 | 56.4 | 116.4 |
| 131 | 83.0 | 57.2 | 117.2 |
| 166 | 124.4 | 101.6 | 161.6 |



#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.65 min Scan# 626
 Delta R.T. 0.011 min
 Lab File: 062022.D
 Acq: 20 Jun 2023 02:38 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 106 | 100 | | |
| 91 | 167.6 | 172.0 | 232.0# |



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062022.D
 Acq On : 20 Jun 2023 02:38 pm
 Operator : MD
 Sample : 306243-03
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------------|----------|--------|-----------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.75 | 96 | 82579 | 10.000 | ppb | 0.01 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68636 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36571 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 24915 | 9.990 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 99.90% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5239 | 10.166 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 101.70% | |
| 35) Toluene-d8 | 6.11 | 98 | 78630 | 9.927 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 99.30% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28304 | 10.216 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 102.20% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 0.00 | | 0 | | N.D. | Qvalue |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | |
| 5) Chloromethane | 1.26 | 50 | 1912 | | N.D. | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | |
| 11) Acetone | 2.33 | 58 | 410 | 1.408 | ppb # | 80 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 13) Hexane | 0.00 | | 0 | | N.D. | |
| 14) Methylene chloride | 2.69 | 84 | 1228 | 0.662 | ppb # | 82 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. | |
| 21) 2,2-Dichloropropane | 3.87 | 77 | 35 | | Below Cal | 46 |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | |
| 23) Chloroform | 4.04 | 83 | 259 | | N.D. | |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 162 | 0.108 | ppb | 65 |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. | |
| 26) 1,2-Dichloroethane (EDC) | 4.52 | 62 | 78 | | N.D. | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. | |
| 31) Benzene | 0.00 | | 0 | | N.D. | |
| 32) Trichloroethene | 0.00 | | 0 | | N.D. d | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062022.D
 Acq On : 20 Jun 2023 02:38 pm
 Operator : MD
 Sample : 306243-03
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

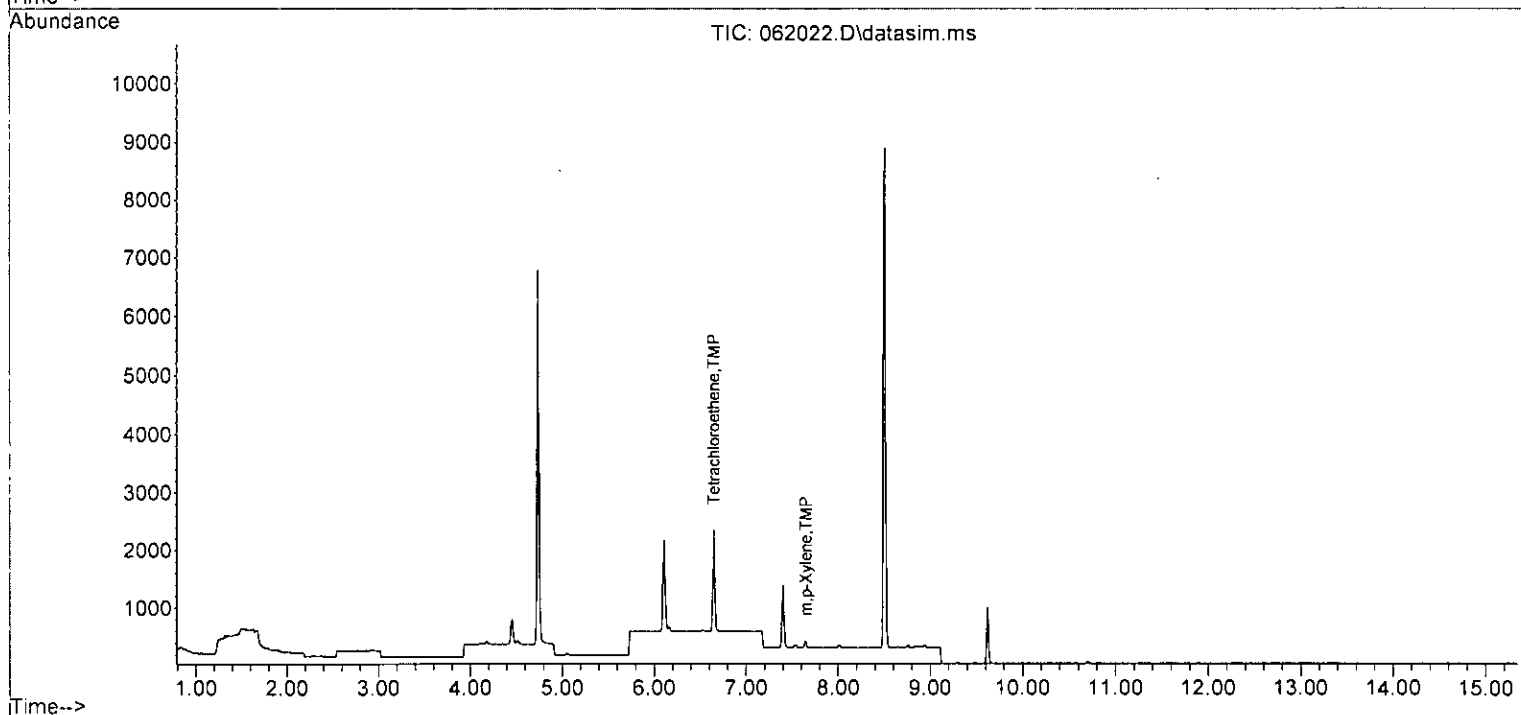
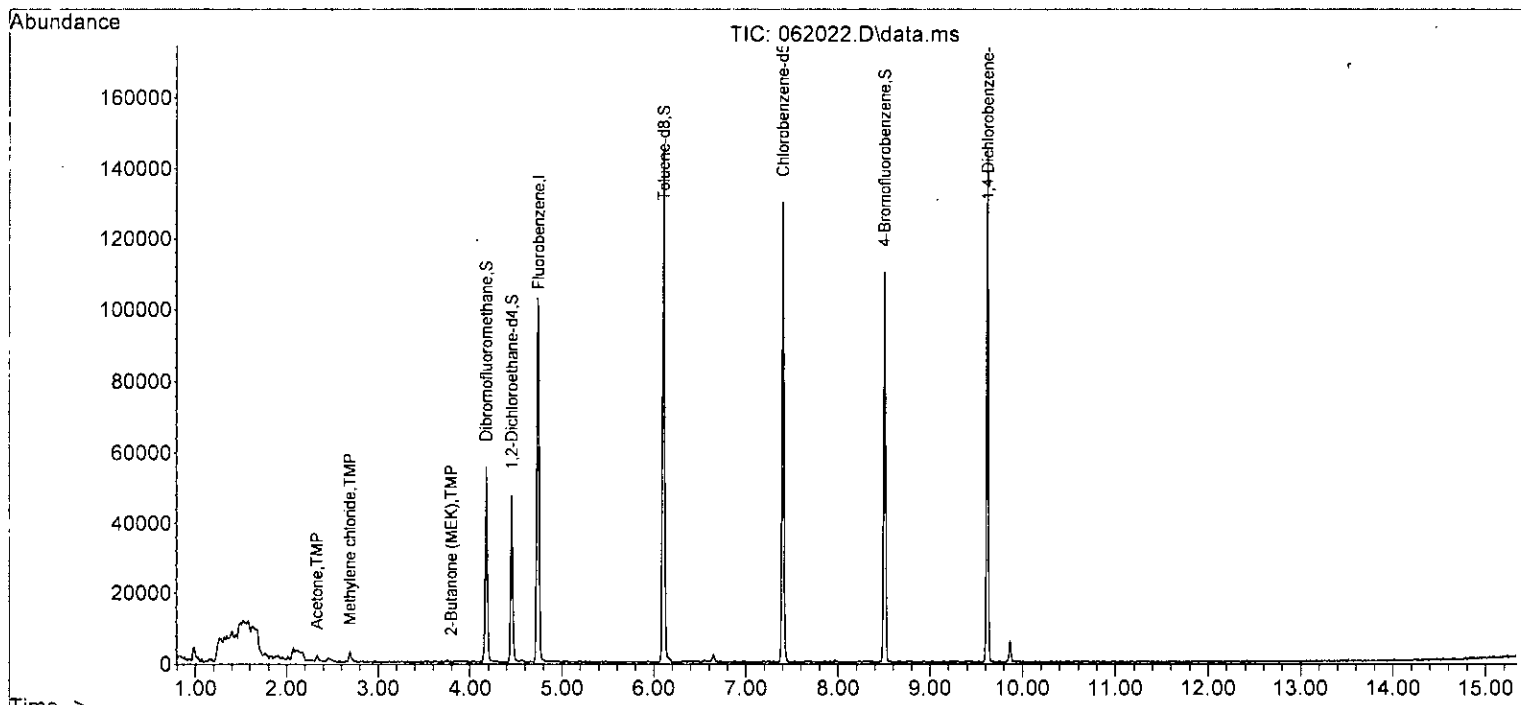
Quant Time: Jun 21 08:21:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 32 | Below Cal | | 96 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.67 | 43 | 182 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 615 | 0.231 | ppb | 95 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 51 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.65 | 106 | 59 | 0.014 | ppb # | 77 |
| 52) o-Xylene | 8.01 | 106 | 29 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.75 | 91 | 48 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.75 | 91 | 48 | | N.D. | |
| 64) 4-Chlorotoluene | 8.75 | 91 | 48 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 114 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 114 | | N.D. | |
| 68) p-Isopropyltoluene | 9.61 | 119 | 69 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 27 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062022.D
 Acq On : 20 Jun 2023 02:38 pm
 Operator : MD
 Sample : 306243-03
 Misc : water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

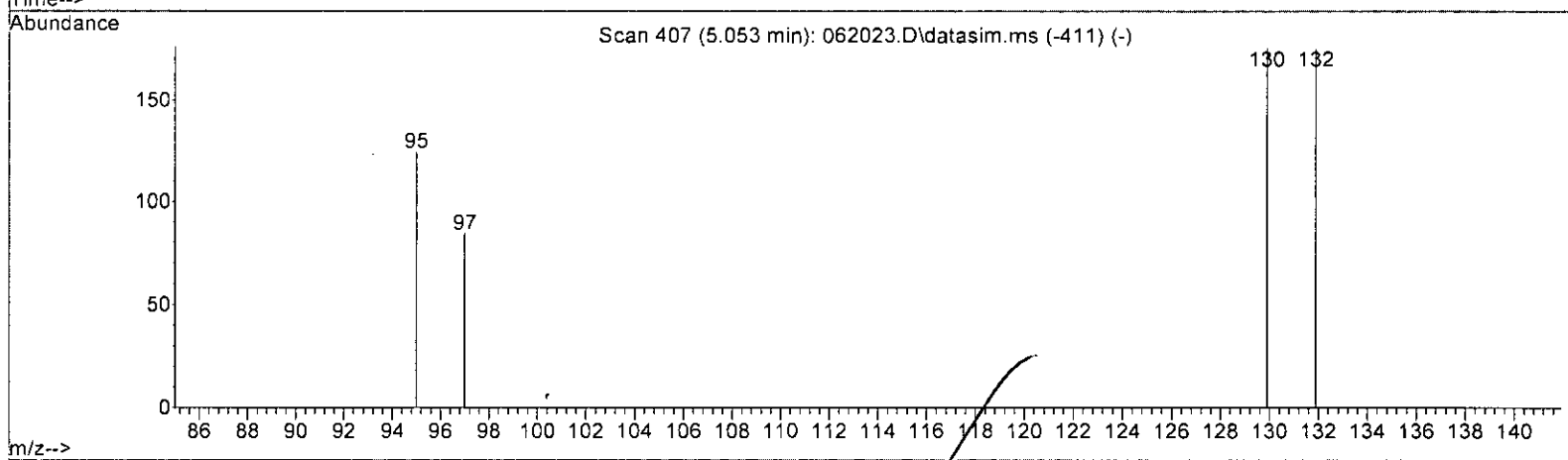
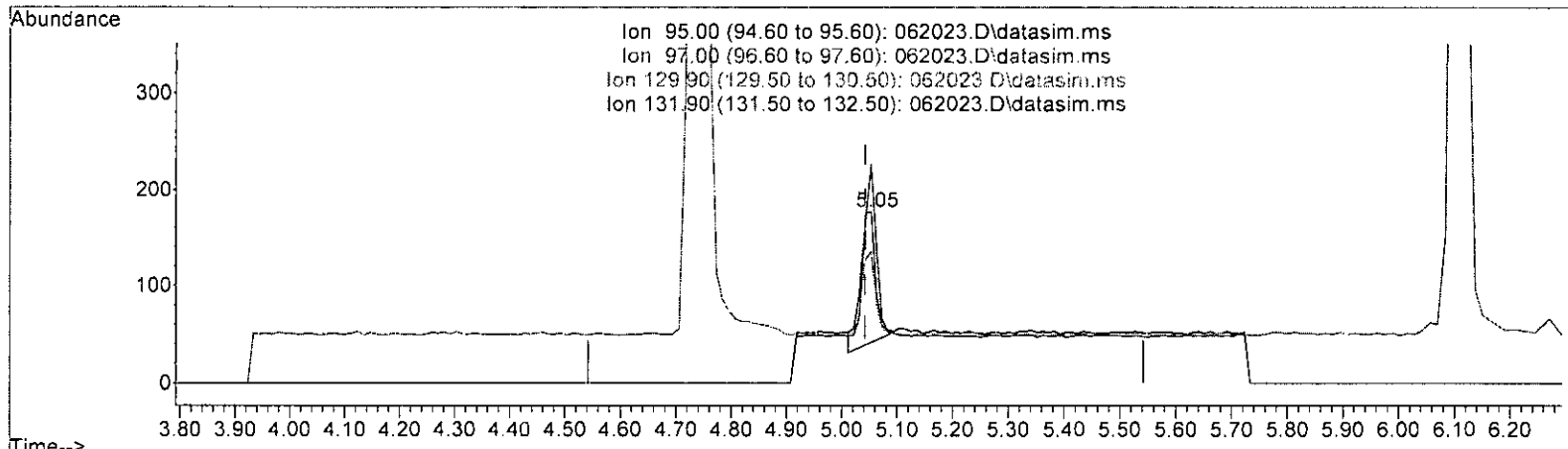
Quant Time: Jun 21 08:21:09 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062023.D\data.ms

(32) Trichloroethene (TMP)

5.053min (+ 0.011) 0.097 ppb

response 261

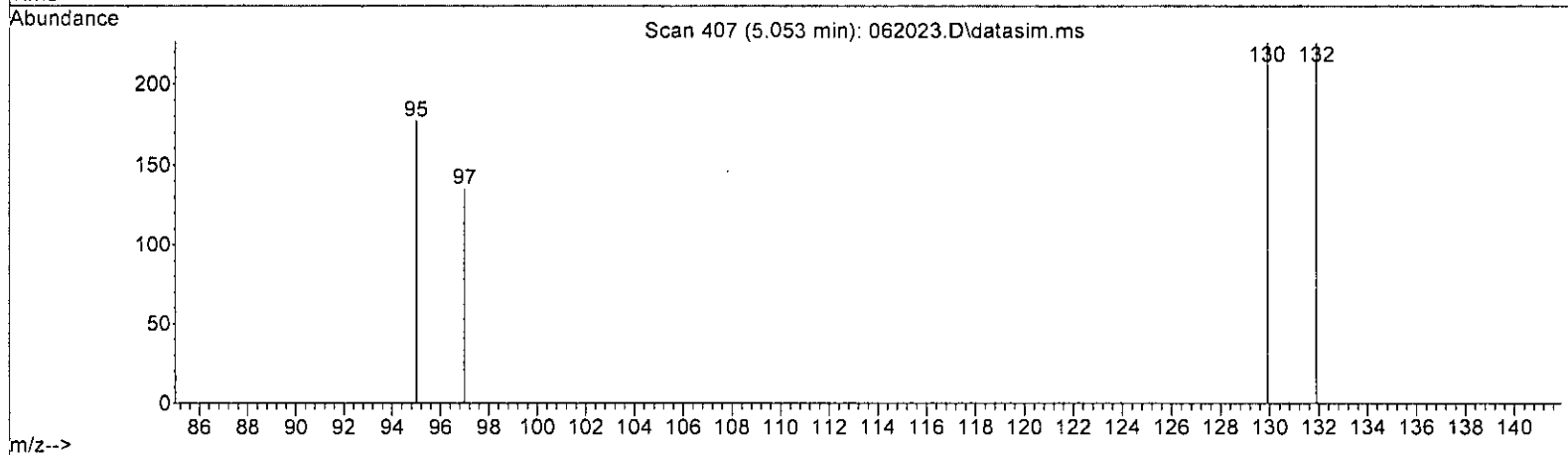
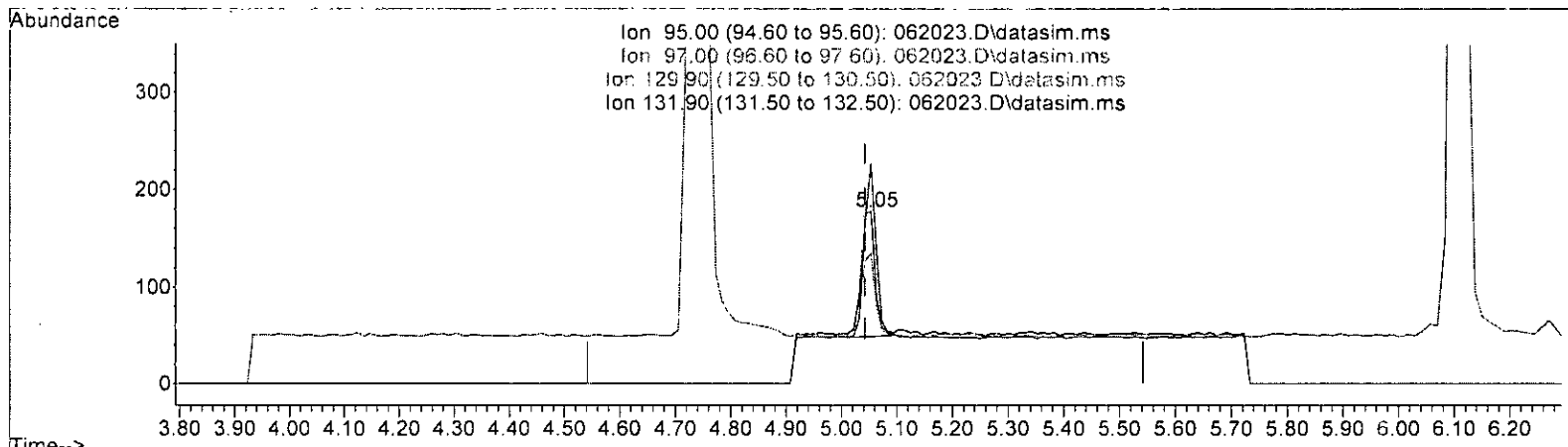
| Ion | Exp% | Act% |
|--------|--------|---------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 67.20 |
| 129.90 | 110.90 | 141.60# |
| 131.90 | 99.40 | 142.40# |

MD/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062023.D\data.ms

(32) Trichloroethene (TME)

5.053min (+ 0.011) 0.082 ppb m

response 224

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 76.27 |
| 129.90 | 110.90 | 127.68 |
| 131.90 | 99.40 | 127.68 |

M 6/21

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

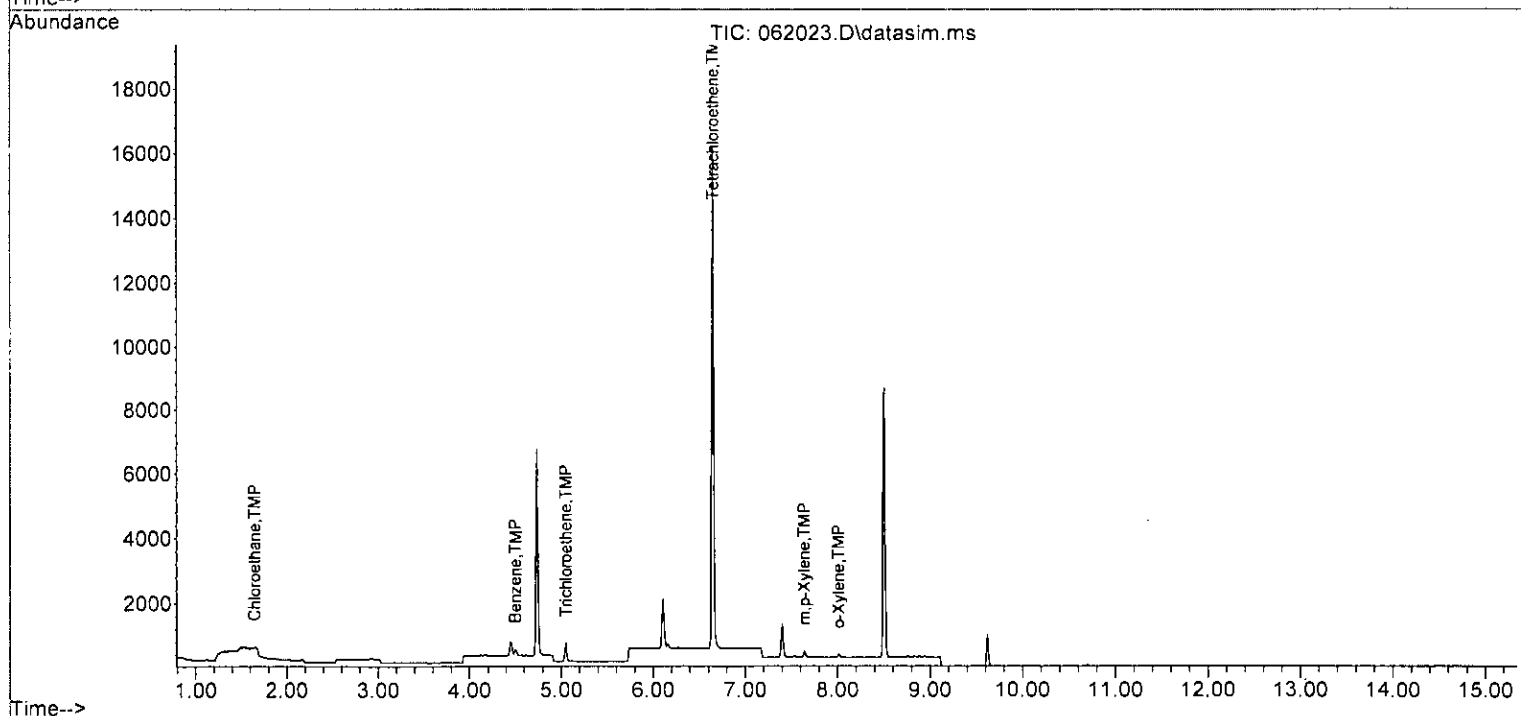
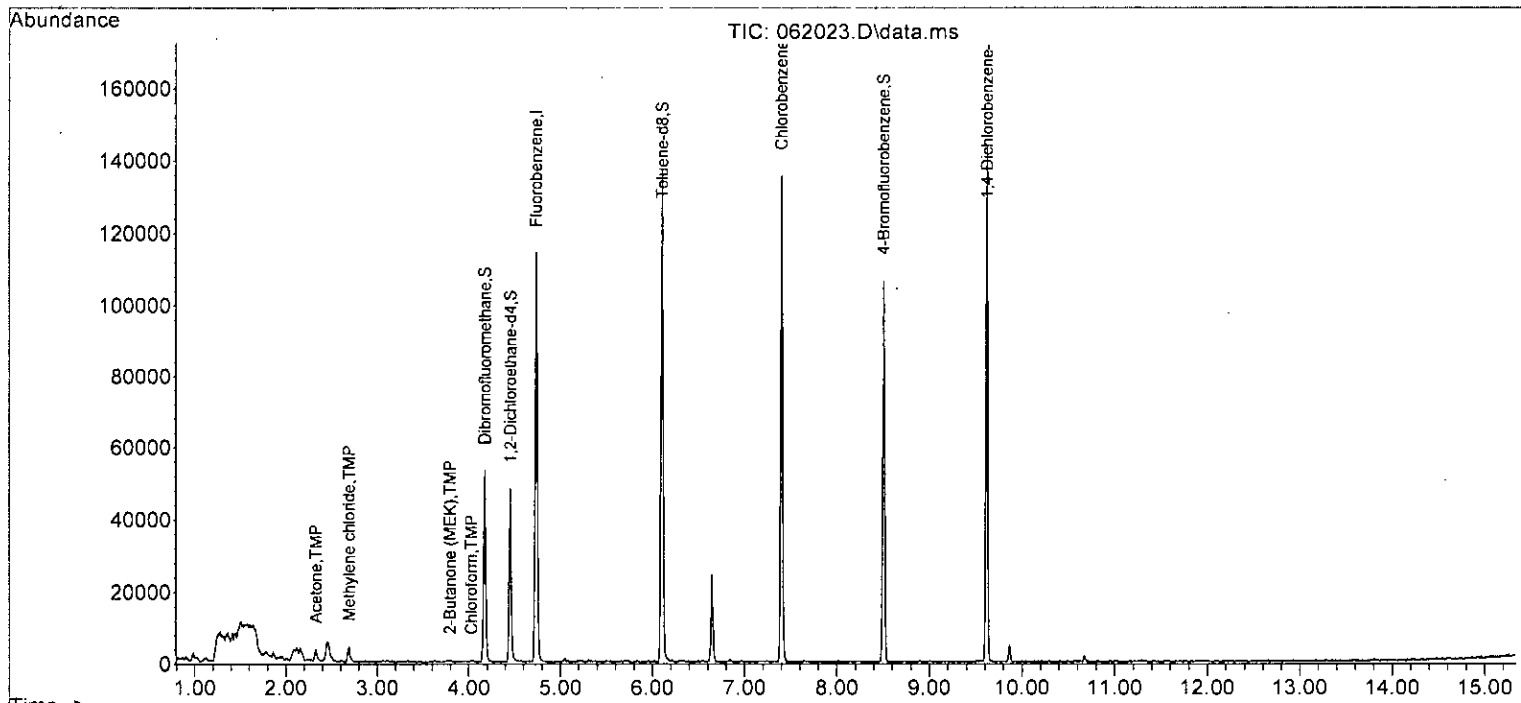
Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

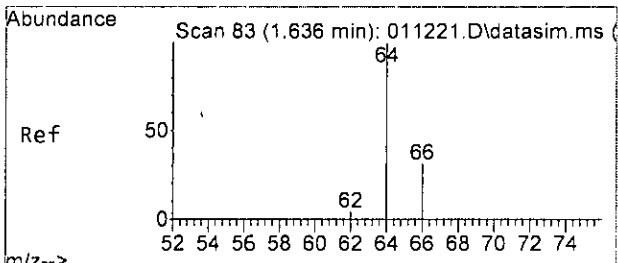
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 82988 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68265 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37200 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25902 | 10.335 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.30% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5183 | 10.007 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 100.10% | |
| 35) Toluene-d8 | 6.11 | 98 | 76922 | 9.664 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 96.60% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27811 | 9.869 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 98.70% | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 8] Chloroethane | 1.65 | 64 | 343 | 0.142 | ppb # | 1 |
| 11) Acetone | 2.33 | 58 | 993 | 3.393 | ppb | 88 |
| 14) Methylene chloride | 2.69 | 84 | 1699 | 0.911 | ppb # | 72 |
| 23) Chloroform | 4.03 | 83 | 403 | 0.107 | ppb | 79 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 542 | 0.360 | ppb | 65 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 73 | Below Cal | | 76 |
| 31] Benzene | 4.50 | 78 | 218 | 0.029 | ppb | 100 |
| 32] Trichloroethene | 5.05 | 95 | 224m | 0.082 | ppb | |
| 45] Tetrachloroethene | 6.65 | 164 | 5489 | 2.145 | ppb | 98 |
| 51] m,p-Xylene | 7.64 | 106 | 94 | 0.023 | ppb | 95 |
| 52] o-Xylene | 8.01 | 106 | 41 | 0.010 | ppb | 92 |
| ----- | | | | | | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

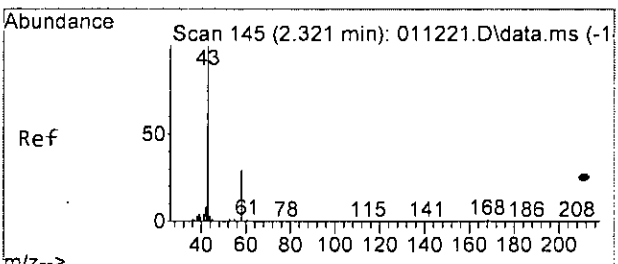
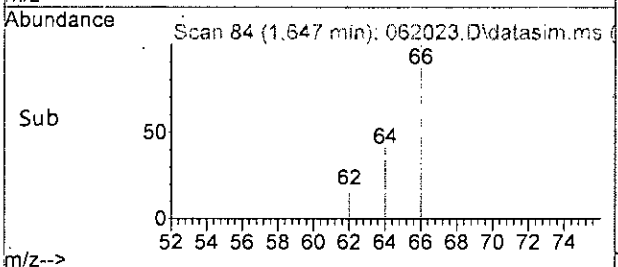
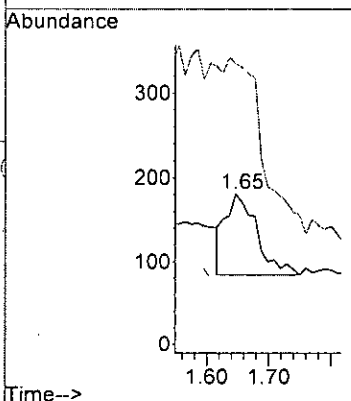
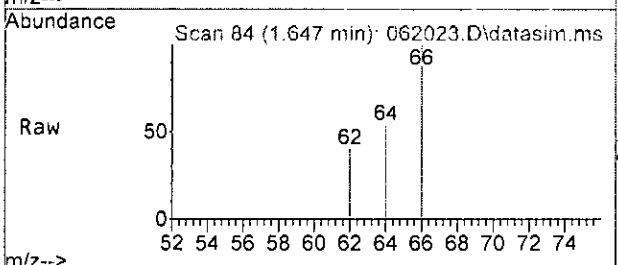
Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





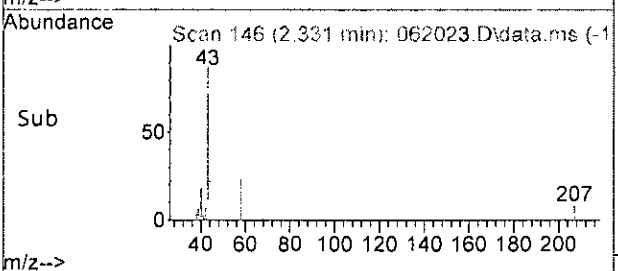
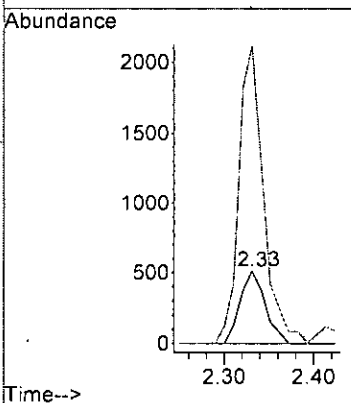
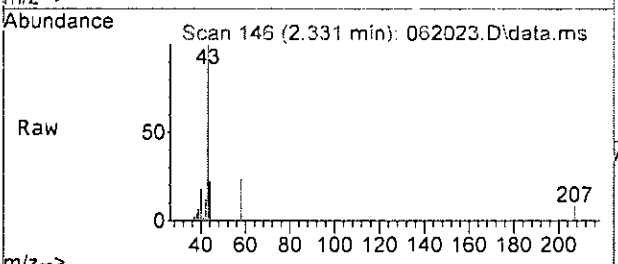
#8
 Chloroethane
 Concen: 0.142 ppb
 RT: 1.65 min Scan# 84
 Delta R.T. 0.011 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

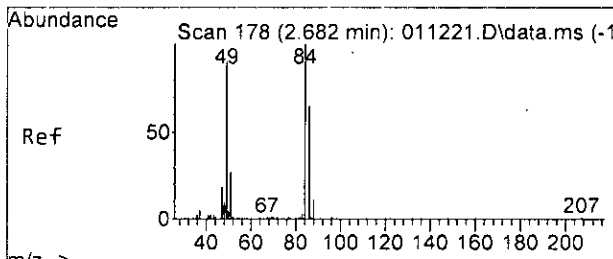
Tgt Ion: 64 Resp: 343
 Ion Ratio Lower Upper
 64 100
 66 184.5 0.0 57.9#



#11
 Acetone
 Concen: 3.393 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.010 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

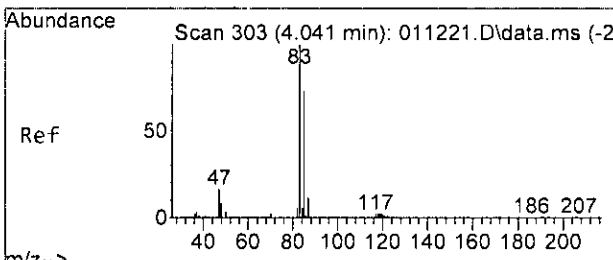
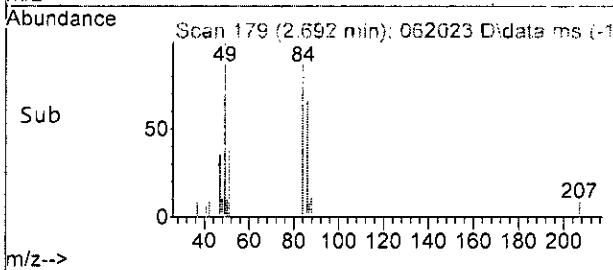
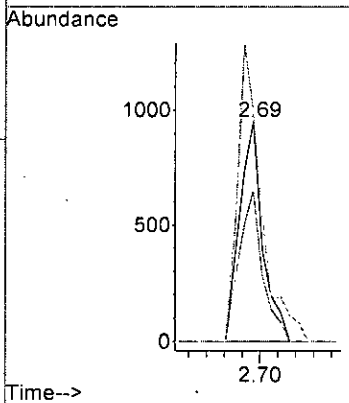
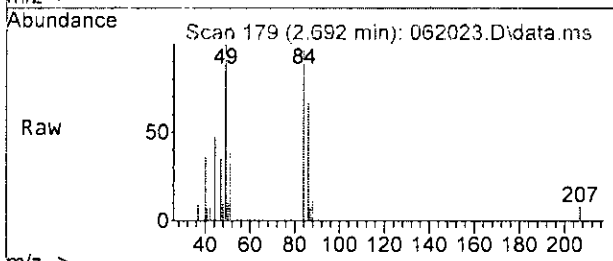
Tgt Ion: 58 Resp: 993
 Ion Ratio Lower Upper
 58 100
 43 408.9 351.7 411.7





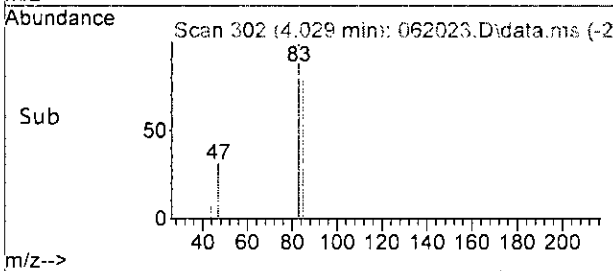
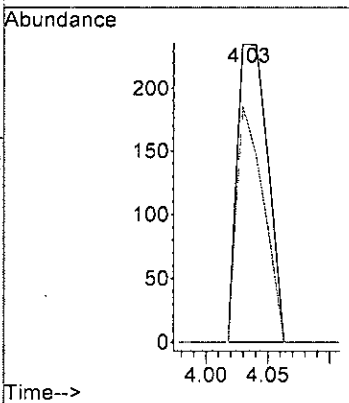
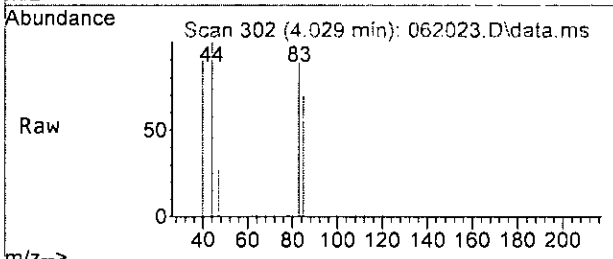
#14
 Methylene chloride
 Concen: 0.911 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.011 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

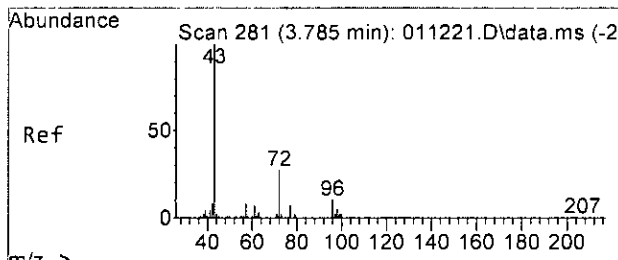
| Tgt Ion: | 84 | Resp: | 1699 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 68.6 | 35.0 | 95.0 |
| 49 | 104.3 | 122.5 | 182.5# |



#23
 Chloroform
 Concen: 0.107 ppb
 RT: 4.03 min Scan# 302
 Delta R.T. 0.000 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

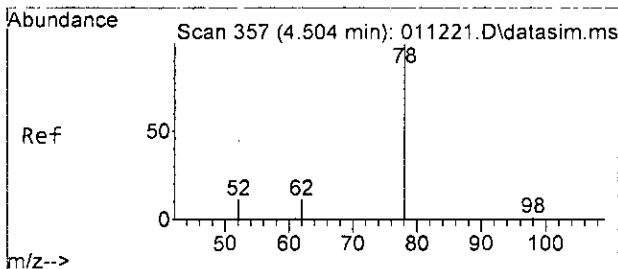
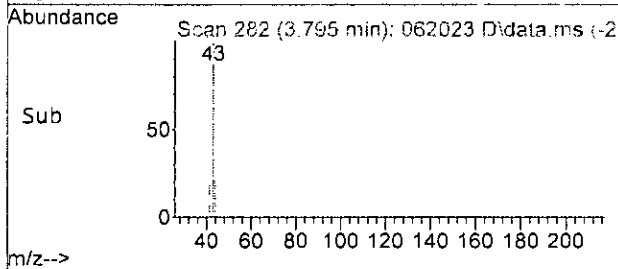
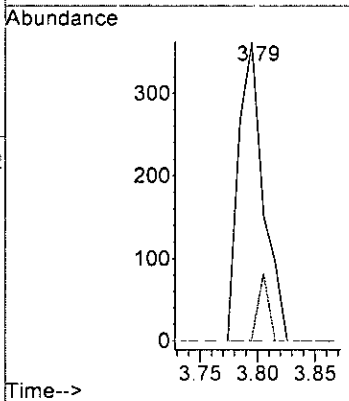
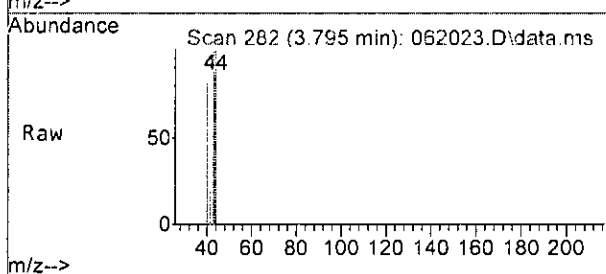
| Tgt Ion: | 83 | Resp: | 403 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 83 | 100 | | |
| 85 | 78.8 | 32.4 | 92.4 |





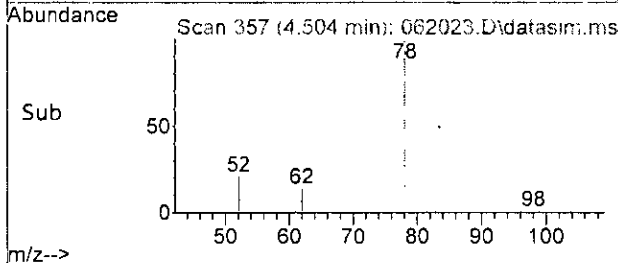
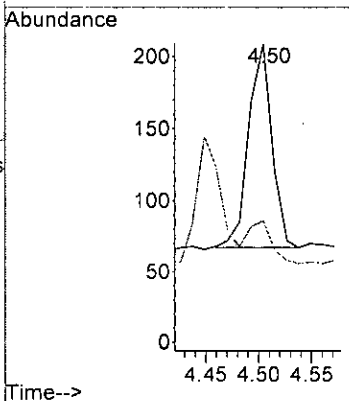
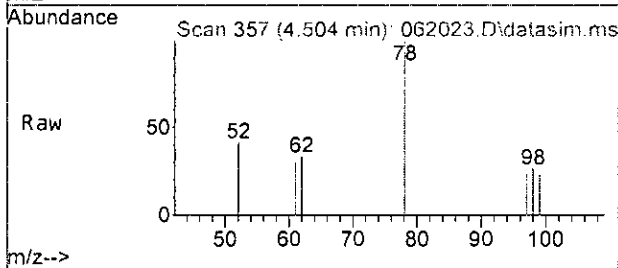
#24
 2-Butanone (MEK)
 Concen: 0.360 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. 0.010 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

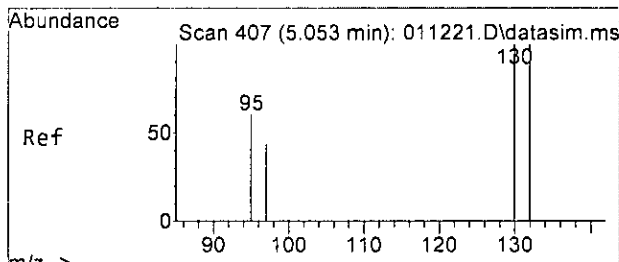
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 72 | 0.0 | 0.0 | 48.4 |
| 57 | 0.0 | 0.0 | 26.7 |



#31
 Benzene
 Concen: 0.029 ppb
 RT: 4.50 min Scan# 357
 Delta R.T. 0.011 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 52 | 21.1 | 0.0 | 51.1 |

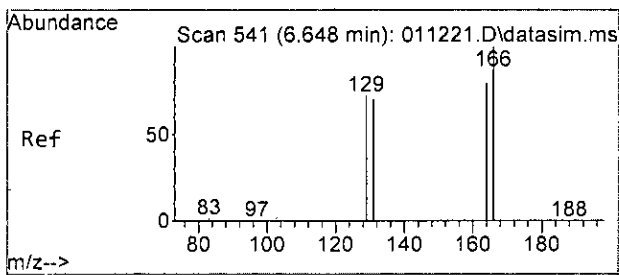
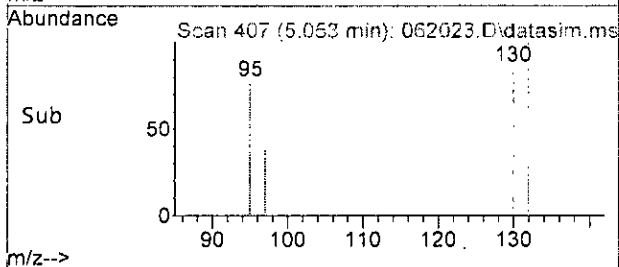
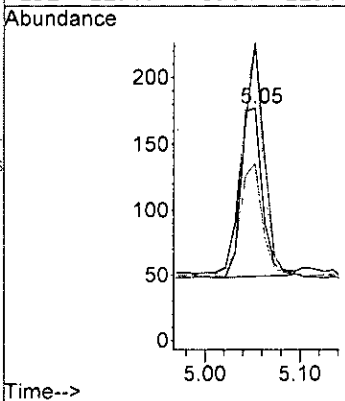
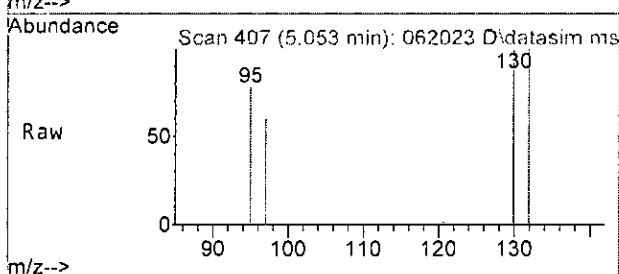




#32
 Trichloroethene
 Concen: 0.082 ppb m
 RT: 5.05 min Scan# 407
 Delta R.T. 0.011 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

Tgt Ion: 95 Resp: 224

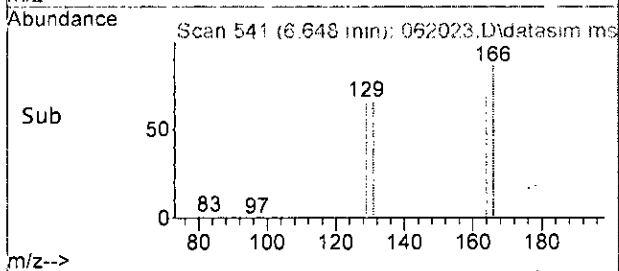
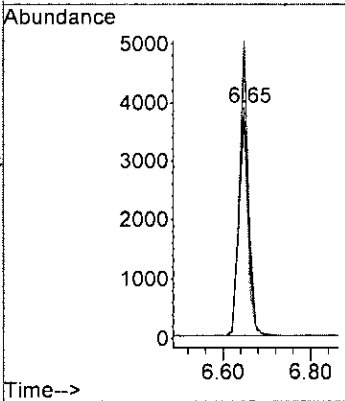
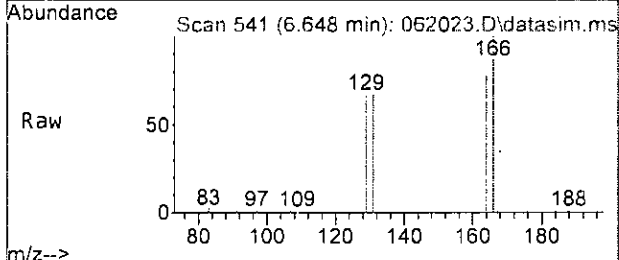
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95 | 100 | | |
| 97 | 76.3 | 32.9 | 92.9 |
| 130 | 127.7 | 80.9 | 140.9 |
| 132 | 127.7 | 69.4 | 129.4 |

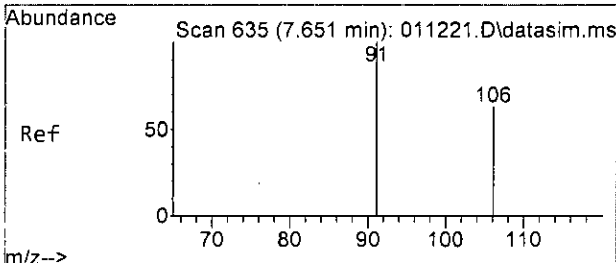


#45
 Tetrachloroethene
 Concen: 2.145 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

Tgt Ion: 164 Resp: 5489

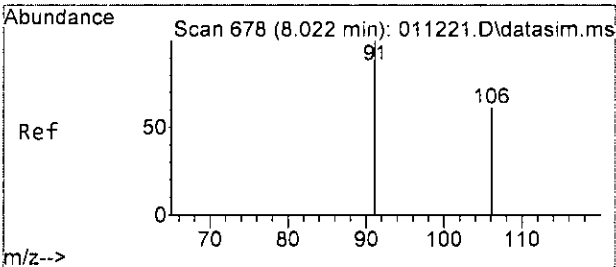
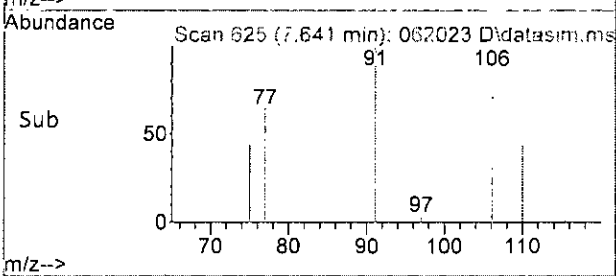
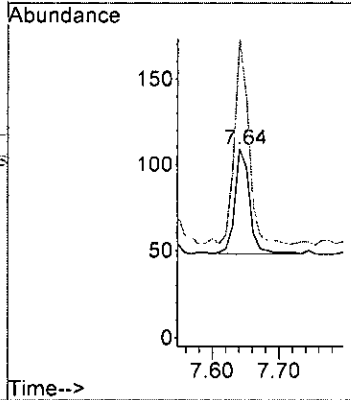
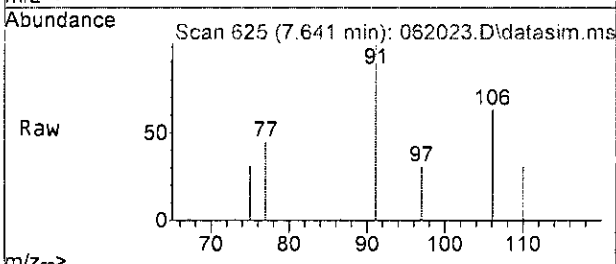
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 129 | 85.7 | 56.4 | 116.4 |
| 131 | 85.7 | 57.2 | 117.2 |
| 166 | 129.1 | 101.6 | 161.6 |





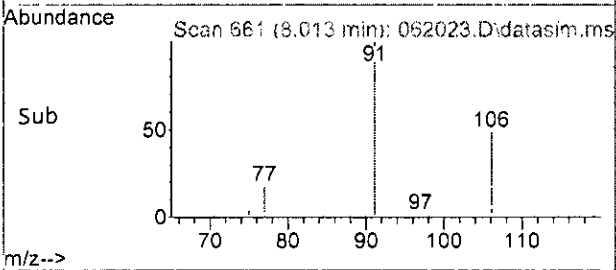
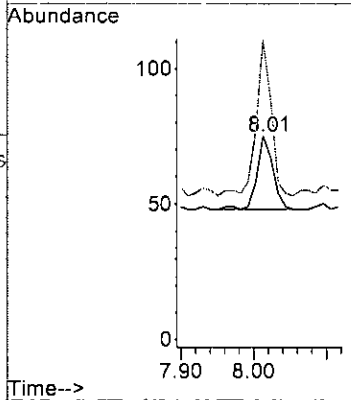
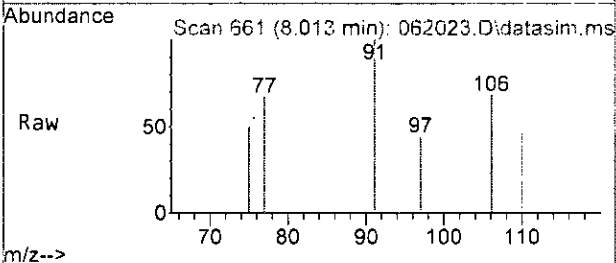
#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

Tgt Ion:106 Resp: 94
 Ion Ratio Lower Upper
 106 100
 91 195.1 172.0 232.0



#52
 o-Xylene
 Concen: 0.010 ppb
 RT: 8.01 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: 062023.D
 Acq: 20 Jun 2023 03:01 pm

Tgt Ion:106 Resp: 41
 Ion Ratio Lower Upper
 106 100
 91 214.8 172.7 232.7



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 82988 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68265 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37200 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25902 | 10.335 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.30% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5183 | 10.007 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 100.10% | | |
| 35) Toluene-d8 | 6.11 | 98 | 76922 | 9.664 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 96.60% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27811 | 9.869 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 98.70% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.37 | 45 | 65 | No Calib | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.26 | 50 | 5564 | N.D. | | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. d | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8] Chloroethane | 1.65 | 64 | 343 | 0.142 ppb | # | 1 | |
| 9) Trichlorofluoromethane | 1.81 | 101 | 106 | N.D. | | | |
| 10) 2-Propanol | 2.37 | 45 | 65 | No Calib | | | |
| 11) Acetone | 2.33 | 58 | 993 | 3.393 ppb | | 88 | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. d | | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | | |
| 14) Methylene chloride | 2.69 | 84 | 1699 | 0.911 ppb | # | 72 | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 4.03 | 83 | 403 | 0.107 ppb | | 79 | |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 542 | 0.360 ppb | | 65 | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 73 | Below Cal | | 76 | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.50 | 78 | 218 | 0.029 ppb | | 100 | |
| 32] Trichloroethene | 5.05 | 95 | 224m | 0.082 ppb | | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

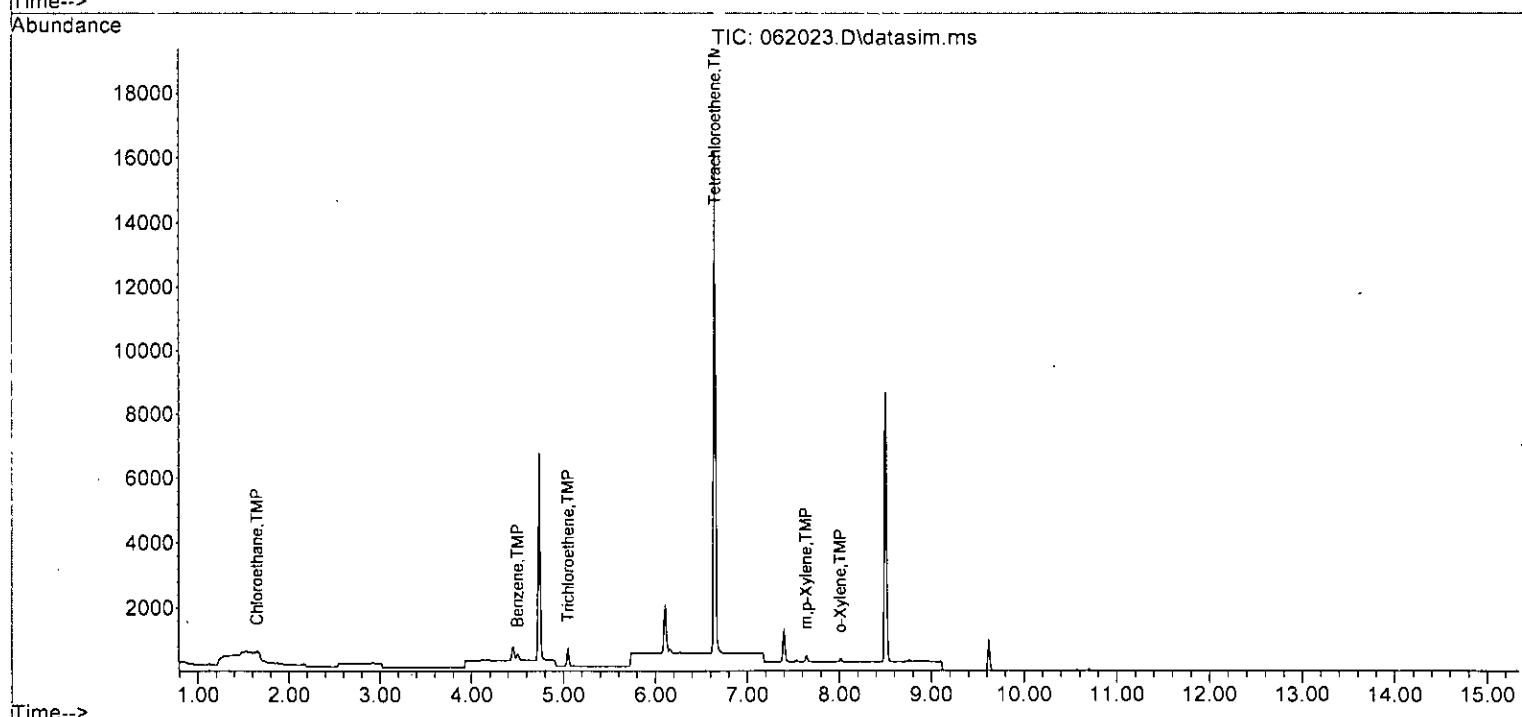
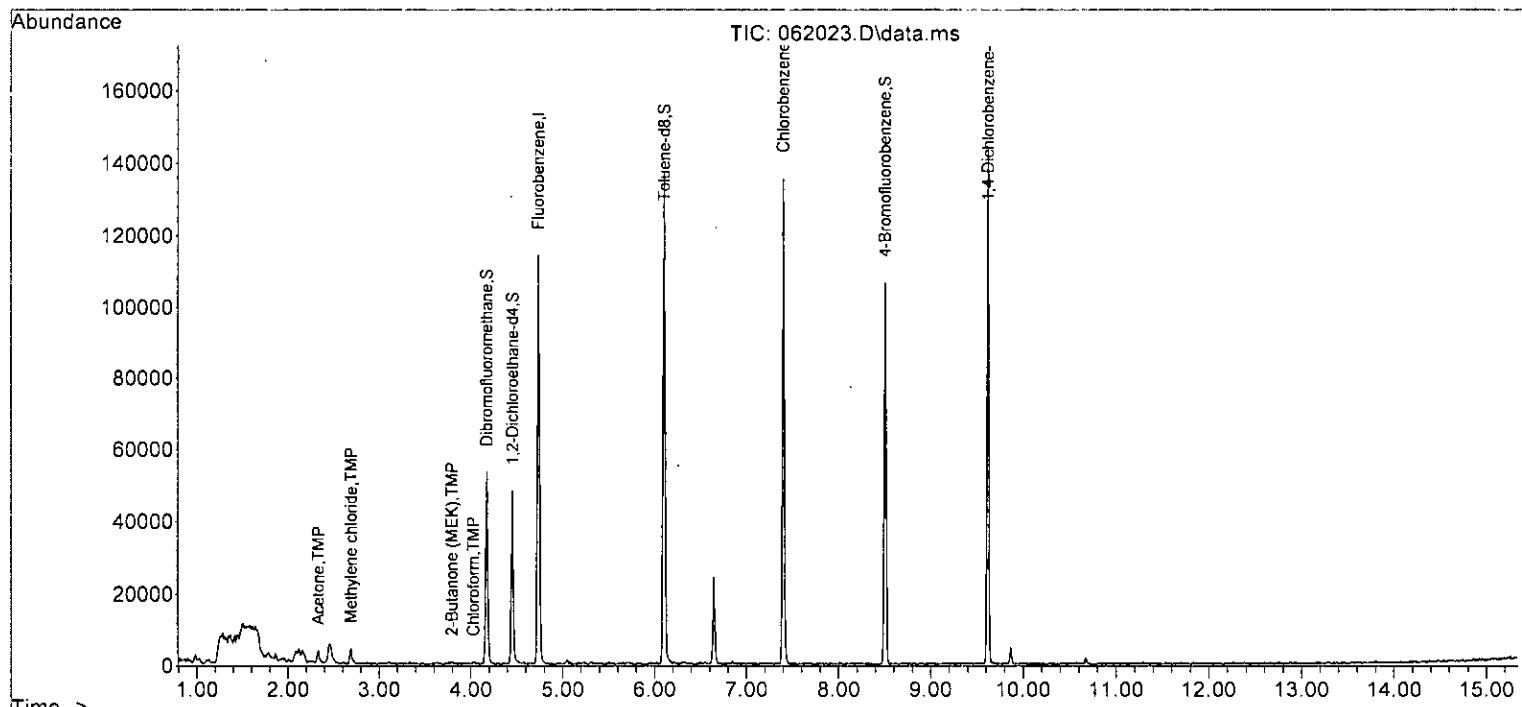
Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 6.16 | 92 | 76 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.53 | 83 | 39 | | N.D. | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 5489 | 2.145 | ppb | 98 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 68 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 94 | 0.023 | ppb | 95 |
| 52] o-Xylene | 8.01 | 106 | 41 | 0.010 | ppb | 92 |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 111 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 111 | | N.D. | |
| 68) p-Isopropyltoluene | 9.60 | 119 | 25 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 156 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062023.D
 Acq On : 20 Jun 2023 03:01 pm
 Operator : MD
 Sample : 306243-04
 Misc : water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:13 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

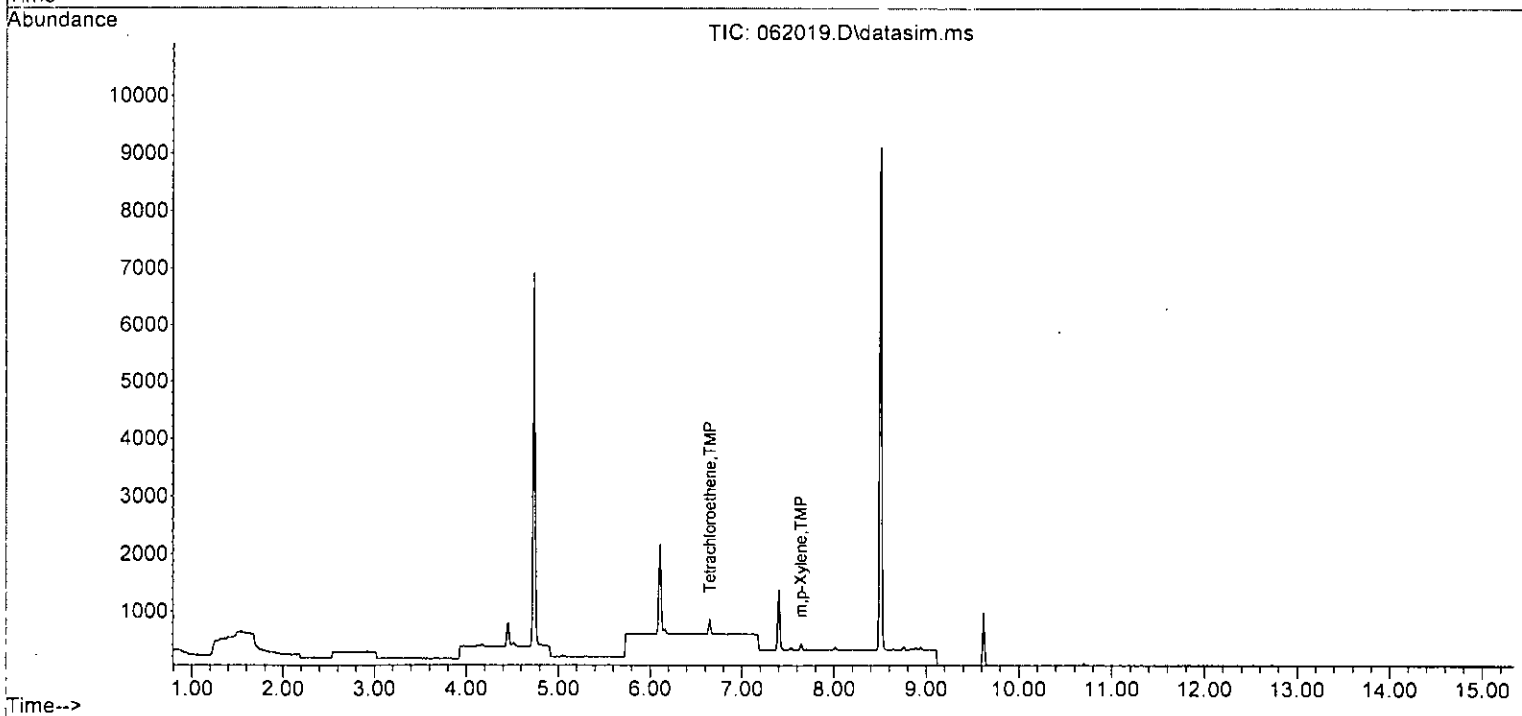
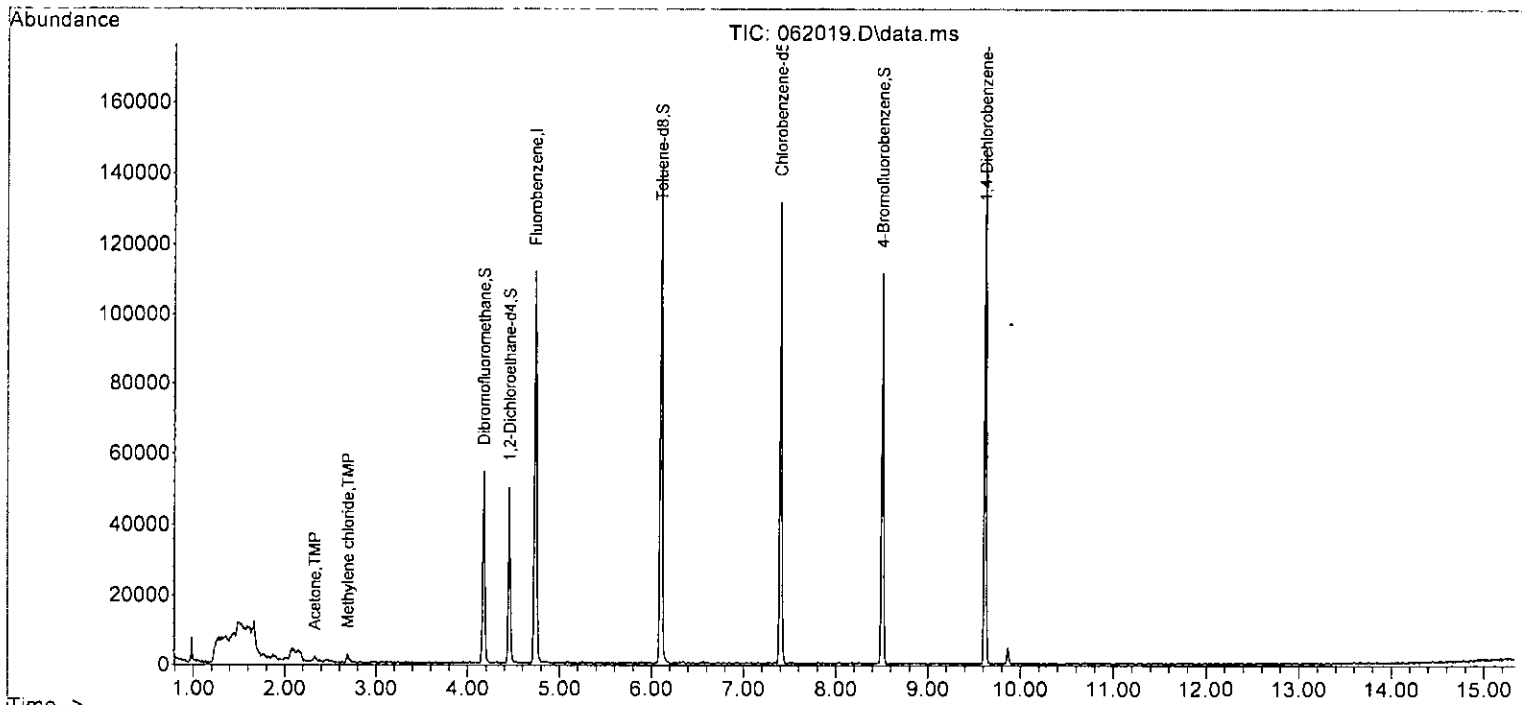
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

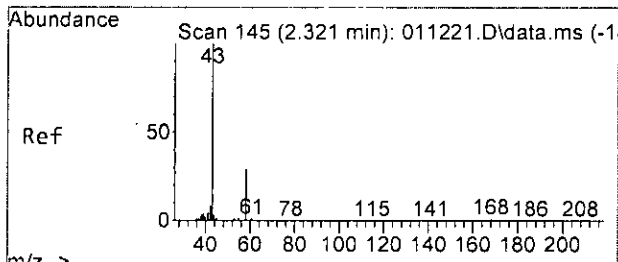
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85194 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68826 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37232 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25407 | 9.875 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 98.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5333 | 10.030 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 100.30% | |
| 35) Toluene-d8 | 6.11 | 98 | 79743 | 9.759 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.60% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28641 | 10.154 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 101.50% | |
| Target Compounds | | | | | | |
| 11) Acetone | 2.33 | 58 | 641 | 2.134 | ppb # | 43 |
| 14) Methylene chloride | 2.69 | 84 | 989 | 0.517 | ppb # | 70 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 79 | Below Cal | | 94 |
| 40] Toluene | 6.16 | 92 | 39 | Below Cal | | 89 |
| 45] Tetrachloroethene | 6.65 | 164 | 98 | 0.029 | ppb | 94 |
| 51] m,p-Xylene | 7.64 | 106 | 63 | 0.015 | ppb | 88 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

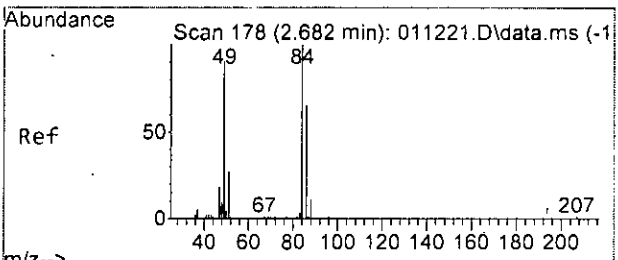
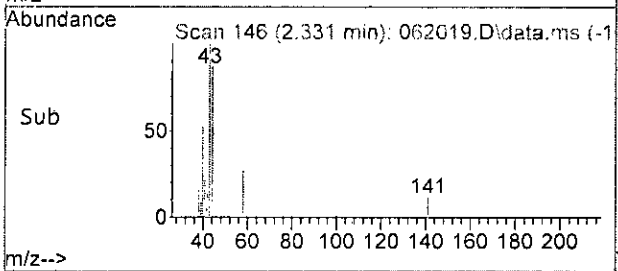
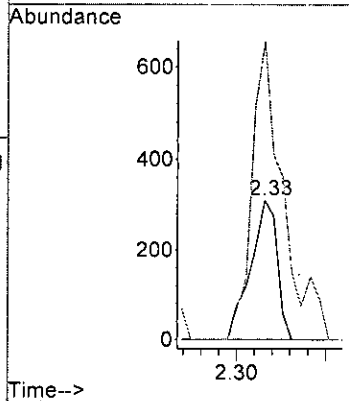
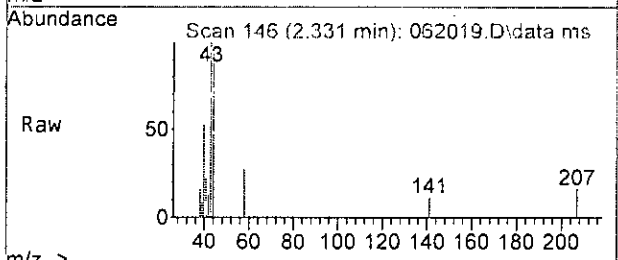
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





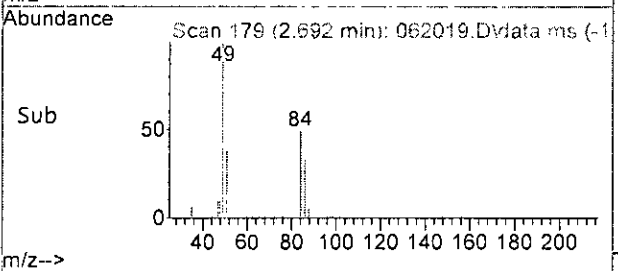
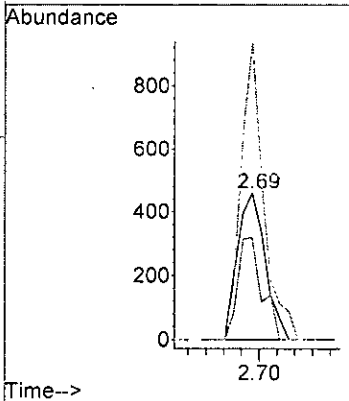
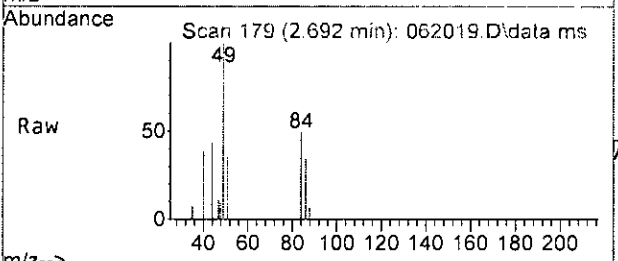
#11
 Acetone
 Concen: 2.134 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.010 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

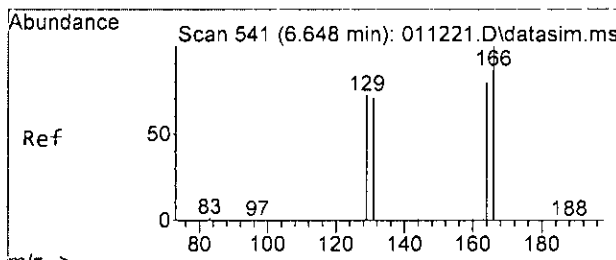
Tgt Ion: 58 Resp: 641
 Ion Ratio Lower Upper
 58 100
 43 250.5 351.7 411.7#



#14
 Methylene chloride
 Concen: 0.517 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

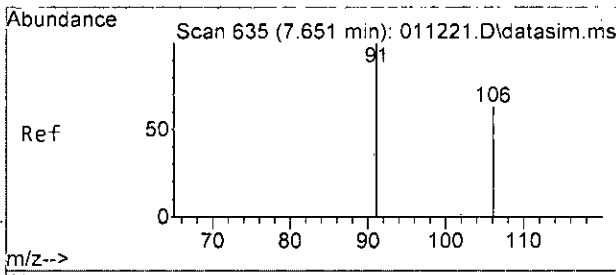
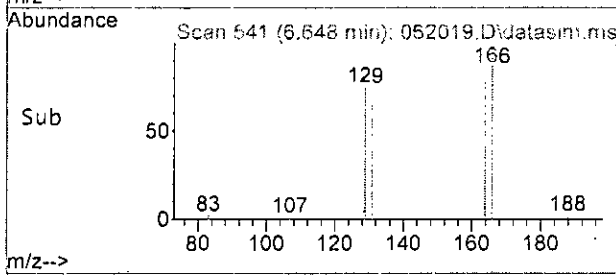
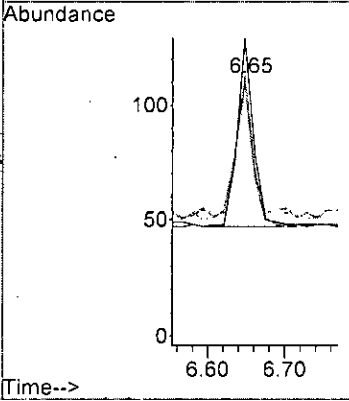
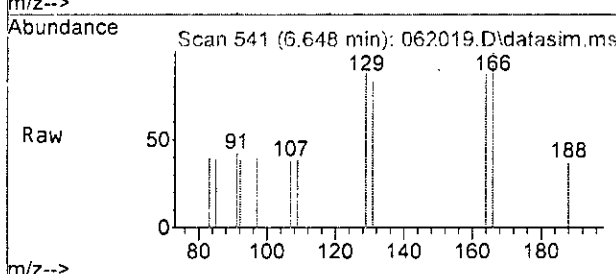
Tgt Ion: 84 Resp: 989
 Ion Ratio Lower Upper
 84 100
 86 69.5 35.0 95.0
 49 204.4 122.5 182.5#





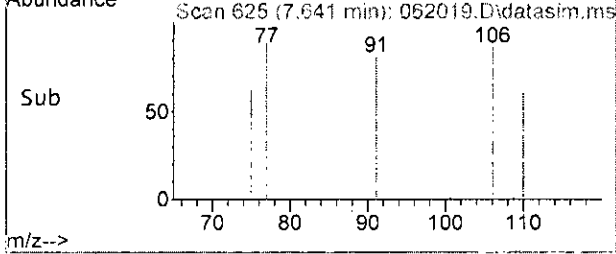
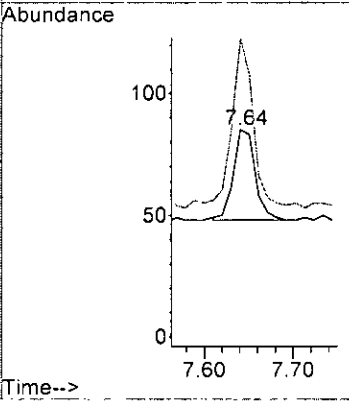
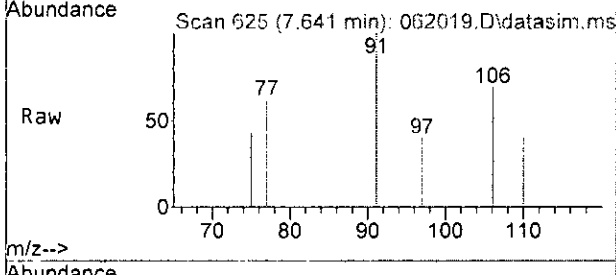
#45
 Tetrachloroethene
 Concen: 0.029 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 98 | | |
| 164 | 100 | | |
| 129 | 95.4 | 56.4 | 116.4 |
| 131 | 84.6 | 57.2 | 117.2 |
| 166 | 124.6 | 101.6 | 161.6 |



#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062019.D
 Acq: 20 Jun 2023 01:28 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 63 | | |
| 106 | 100 | | |
| 91 | 183.8 | 172.0 | 232.0 |



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|-----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85194 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68826 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37232 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25407 | 9.875 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 98.70% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5333 | 10.030 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 71 - 132 | Recovery | = | 100.30% | |
| 35) Toluene-d8 | 6.11 | 98 | 79743 | 9.759 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 68 - 139 | Recovery | = | 97.60% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28641 | 10.154 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 62 - 136 | Recovery | = | 101.50% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | N.D. | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.25 | 50 | 1531 | N.D. | | | |
| 6) Vinyl chloride | 1.33 | 62 | 34 | N.D. | | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | | | |
| 8) Chloroethane | 0.00 | | 0 | N.D. | | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | | | |
| 11) Acetone | 2.33 | 58 | 641 | 2.134 | ppb | # | 43 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | | |
| 14) Methylene chloride | 2.69 | 84 | 989 | 0.517 | ppb | # | 70 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.69 | 43 | 36 | N.D. | | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 79 | Below Cal | | | 94 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31) Benzene | 0.00 | | 0 | N.D. | | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. | d | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

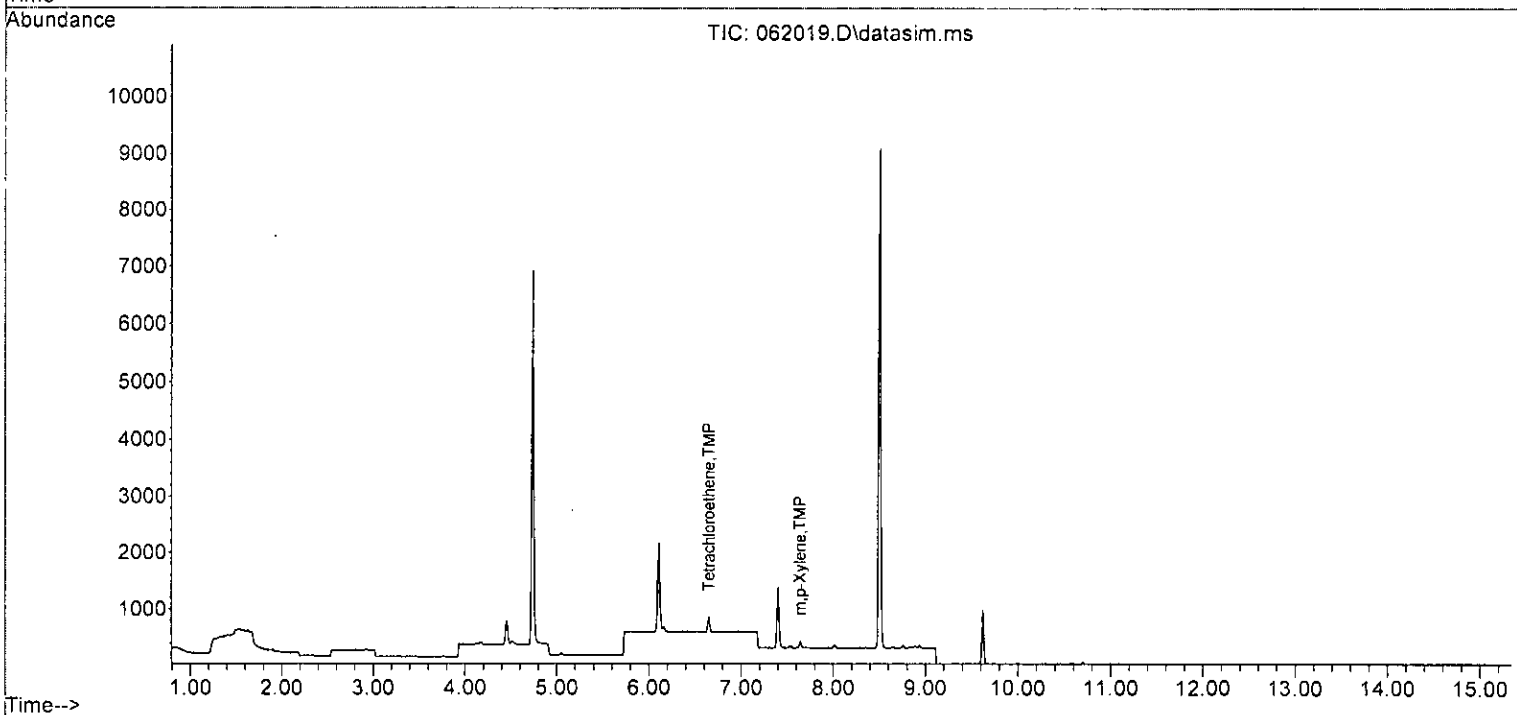
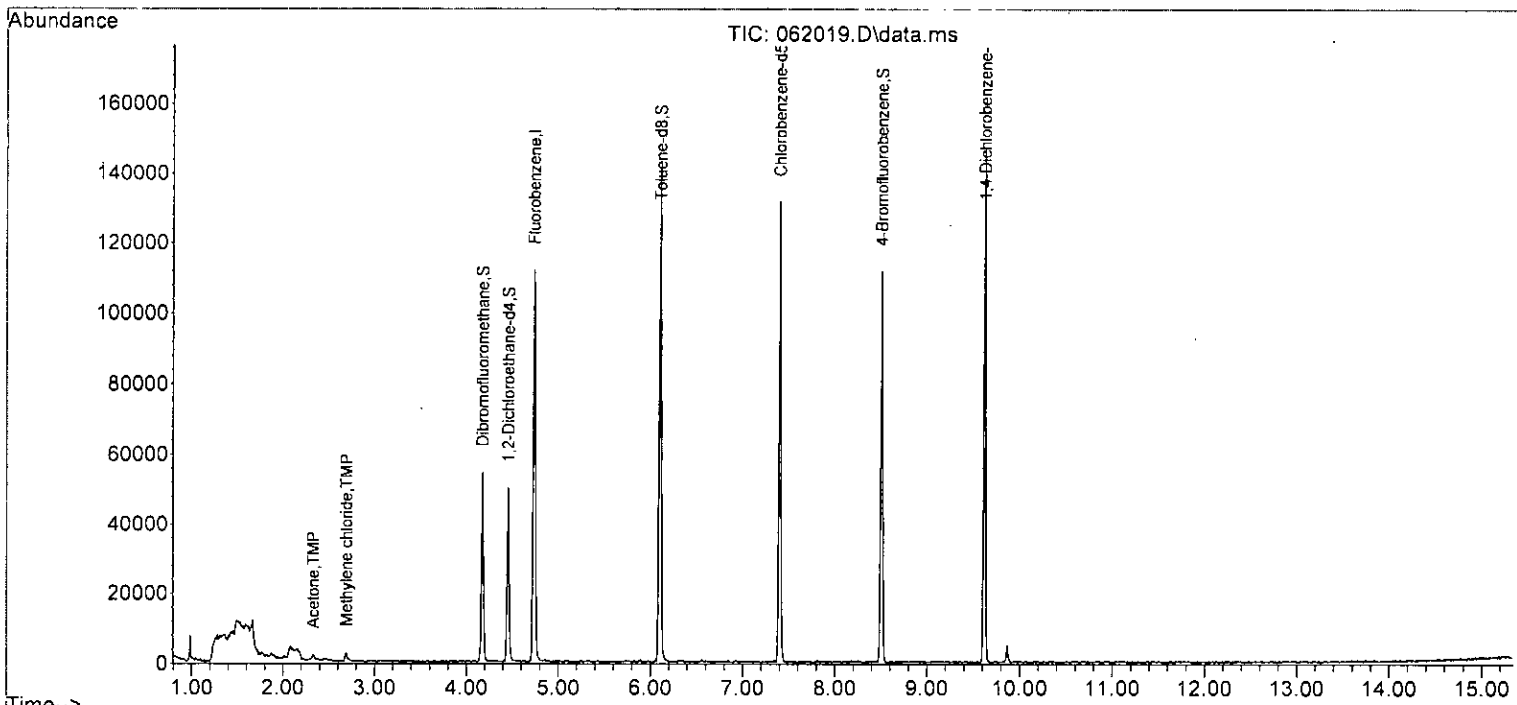
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 39 | Below Cal | | 89 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 0.00 | | 0 | | N.D. | |
| 43) 2-Hexanone | 6.72 | 43 | 182 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 98 | 0.029 | ppb | 94 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 52 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 63 | 0.015 | ppb | 88 |
| 52) o-Xylene | 8.01 | 106 | 22 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 107 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 107 | | N.D. | |
| 68) p-Isopropyltoluene | 9.60 | 119 | 21 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 89 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062019.D
 Acq On : 20 Jun 2023 01:28 pm
 Operator : MD
 Sample : 306243-05
 Misc : water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

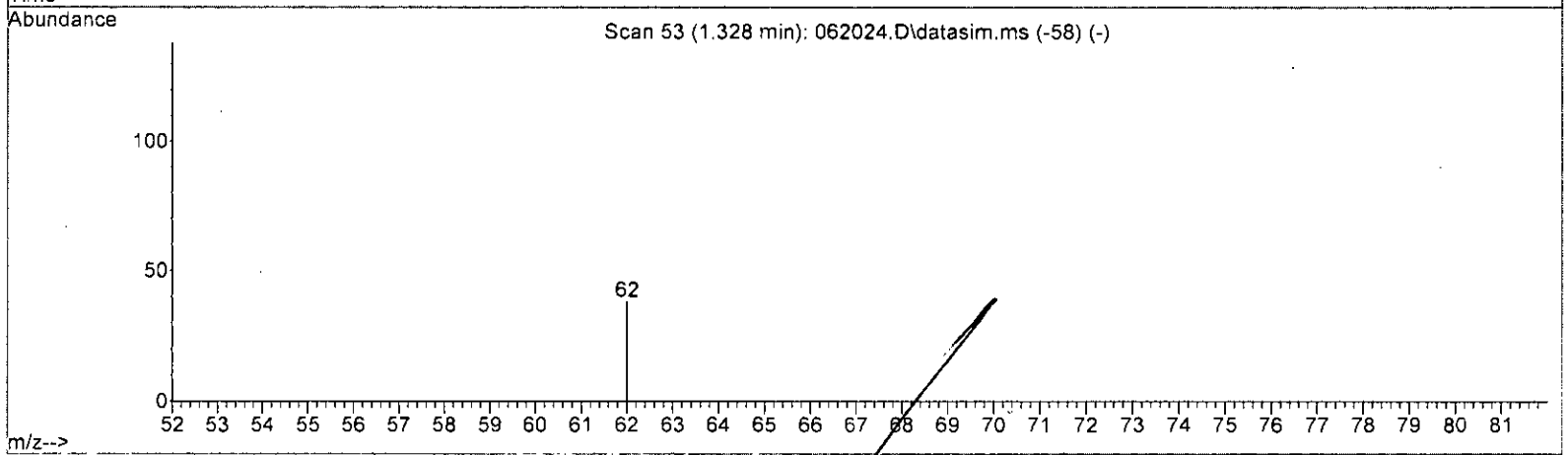
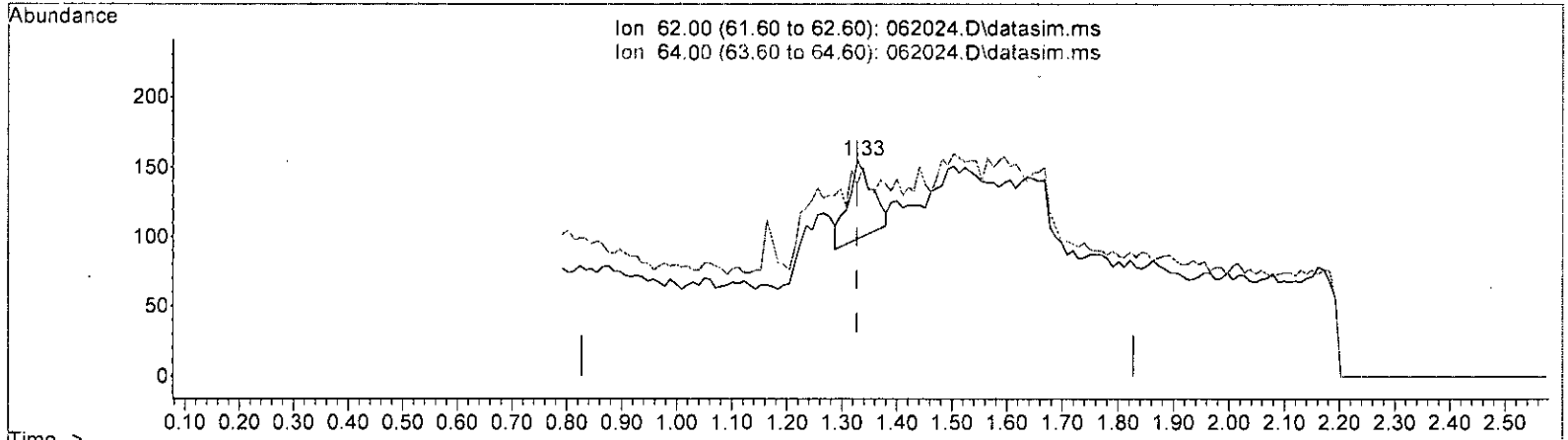
Quant Time: Jun 21 08:20:57 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062024.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.033 ppb

response 174

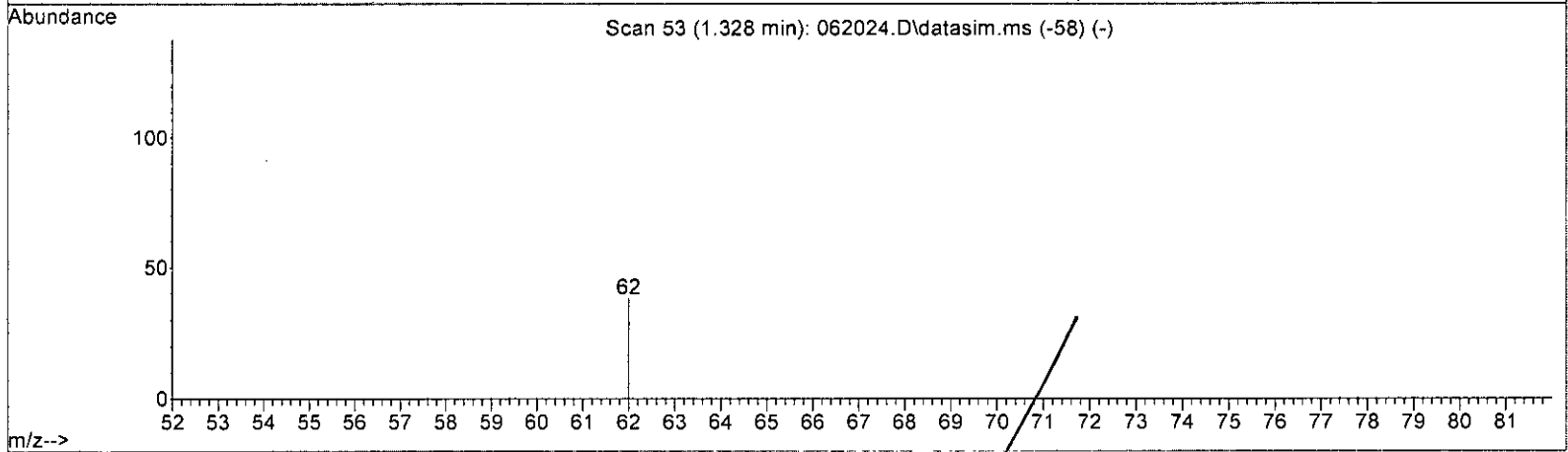
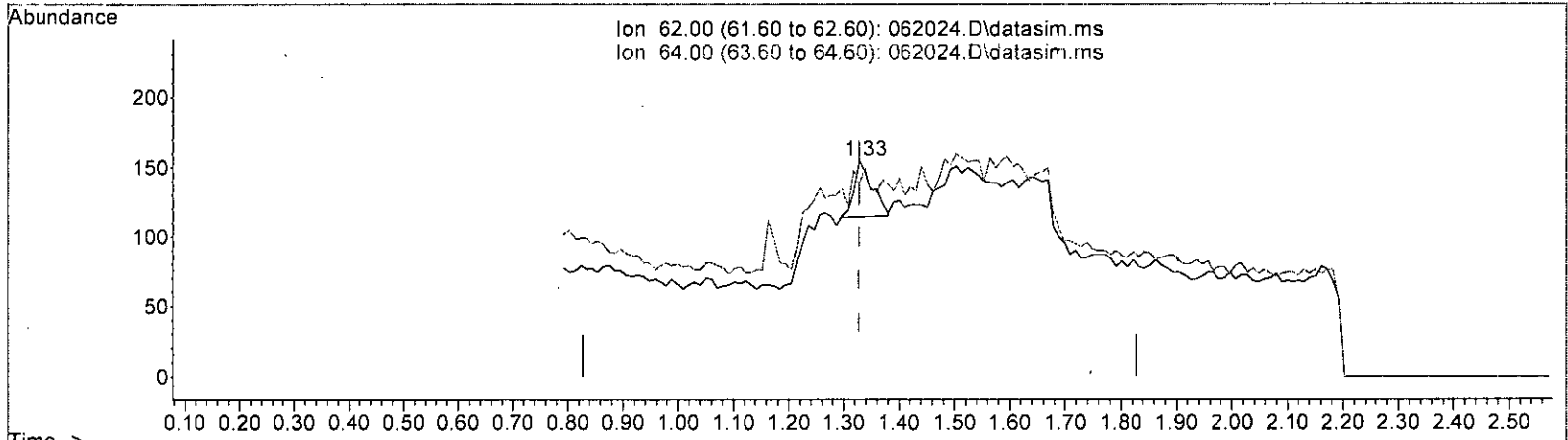
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 17.02 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

MD/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062024.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.016 ppb m

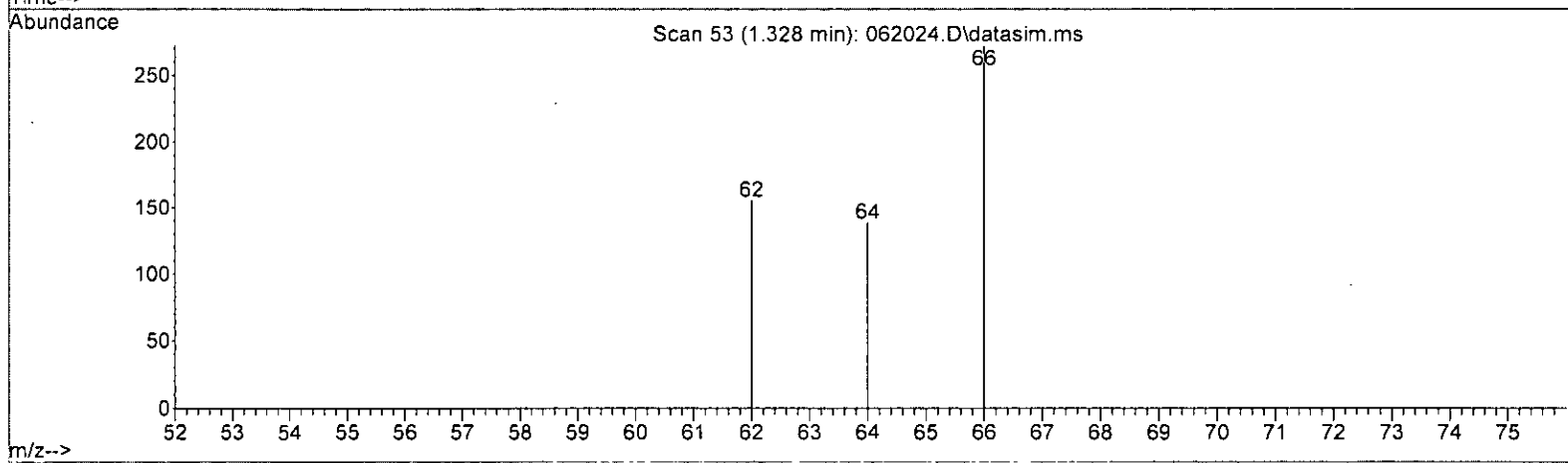
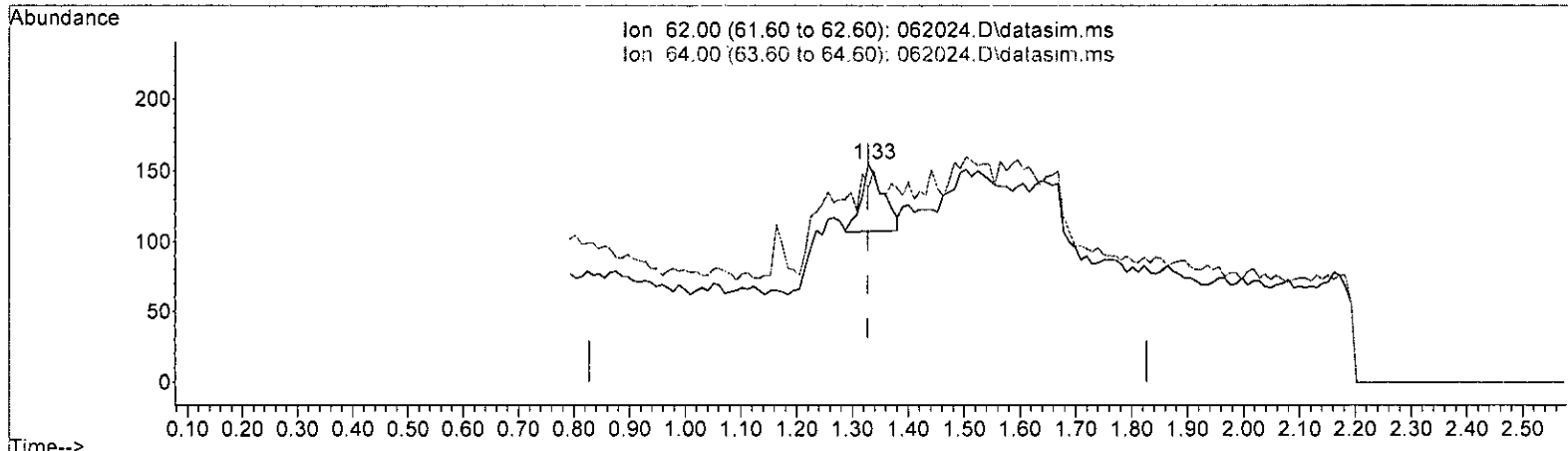
| response | 90 |
|----------|---------------|
| Ion | Exp% Act% |
| 62.00 | 100.00 100.00 |
| 64.00 | 32.00 89.03# |
| 0.00 | 0.00 0.00 |
| 0.00 | 0.00 0.00 |

m 6/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062024.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (+ 0.000) 0.024 ppb m

response 129

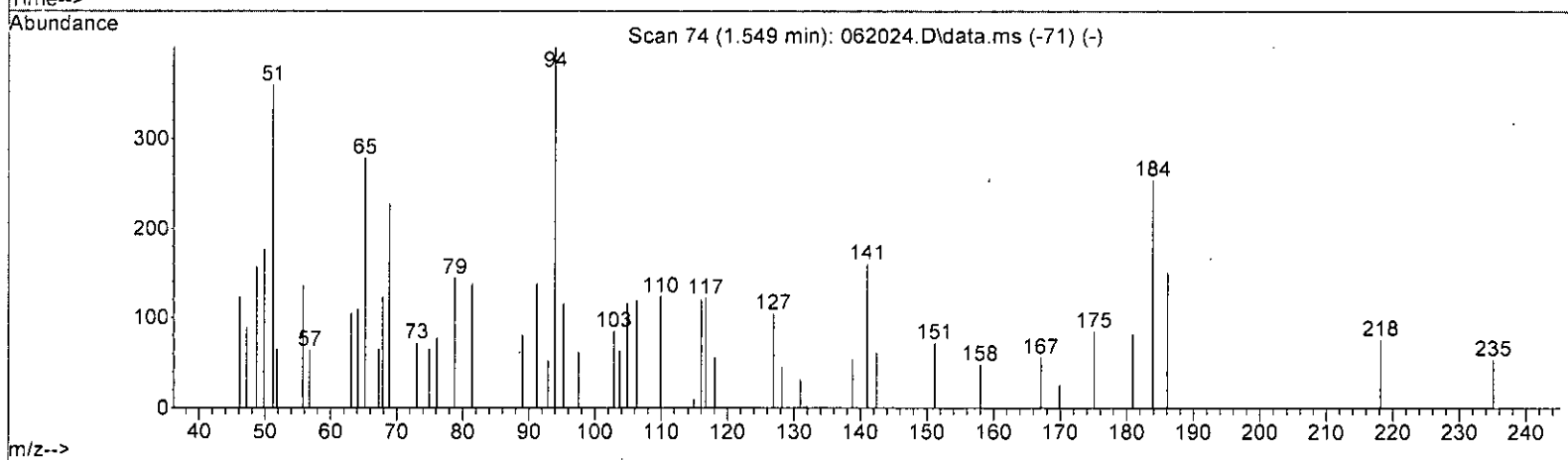
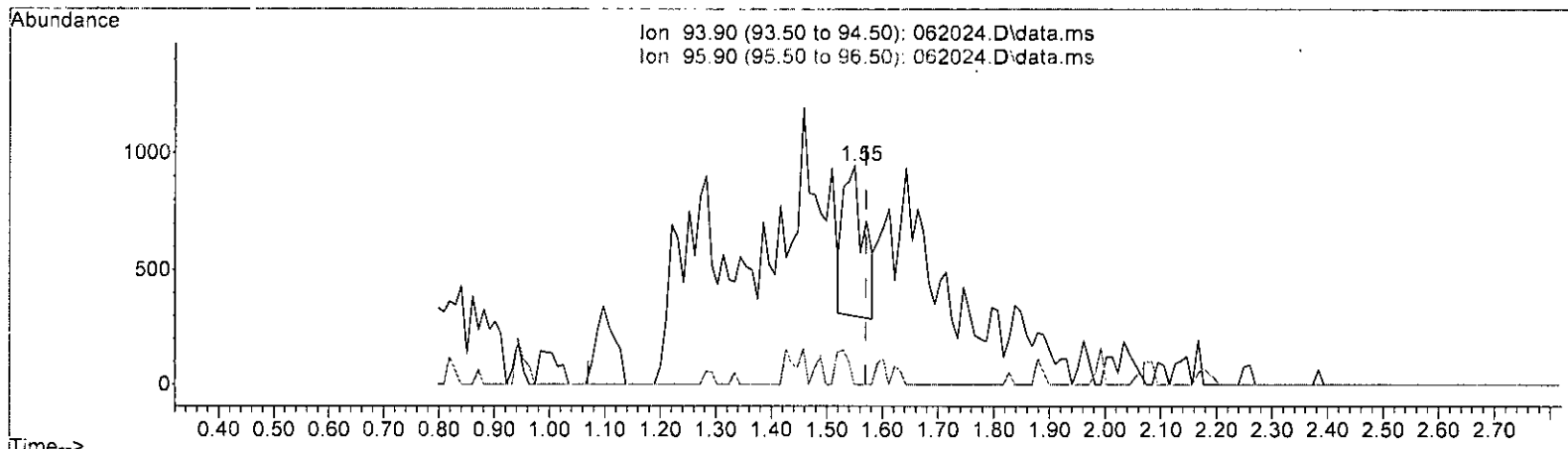
| Ion | Exp% | Act% |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 64.00 | 32.00 | 89.03# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

6/21 W

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062024.D\data.ms

| (7) Bromomethane (TMP) | | |
|------------------------|-----------|--------|
| Ion | Exp% | Act% |
| 1.549min (-0.020) | 0.471 ppb | |
| response | 1692 | |
| Ion | Exp% | Act% |
| 93.90 | 100.00 | 100.00 |
| 95.90 | 100.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

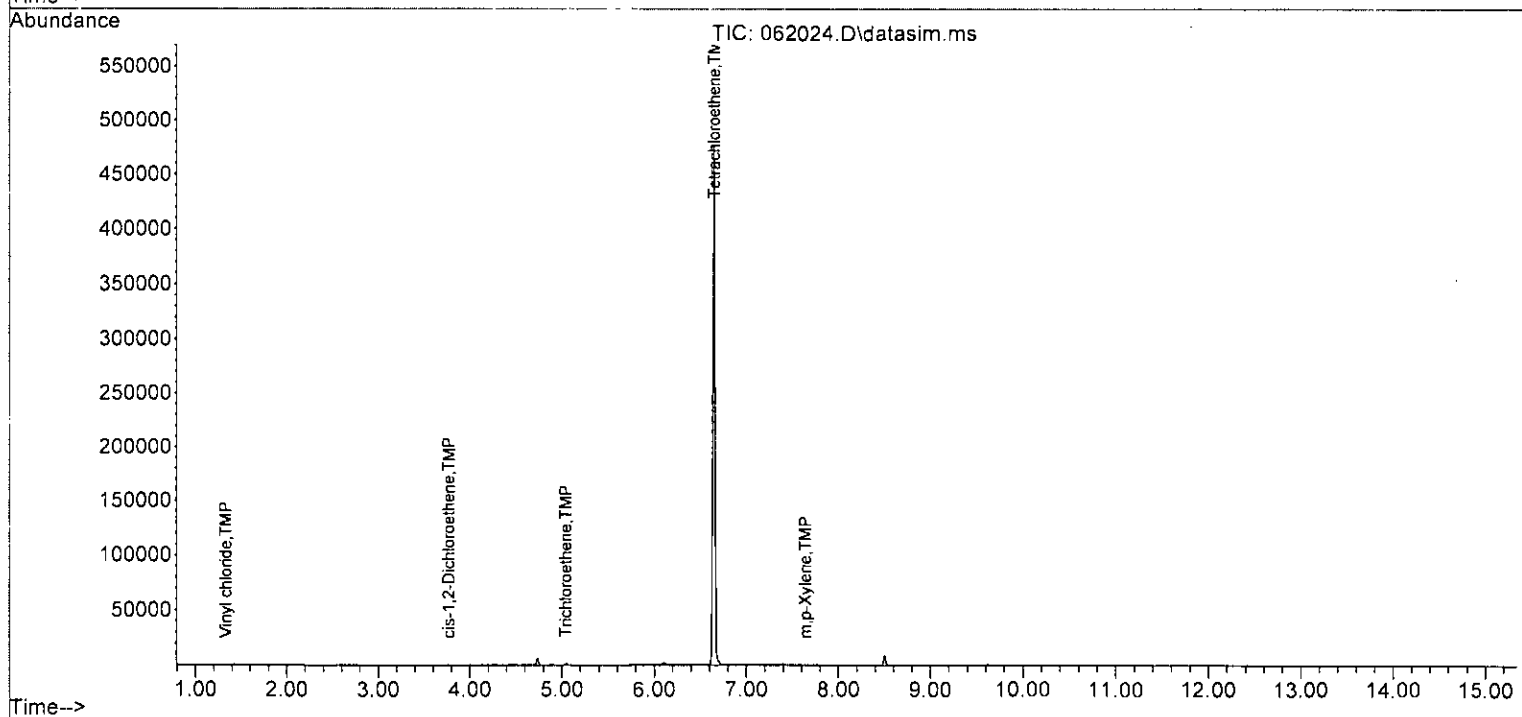
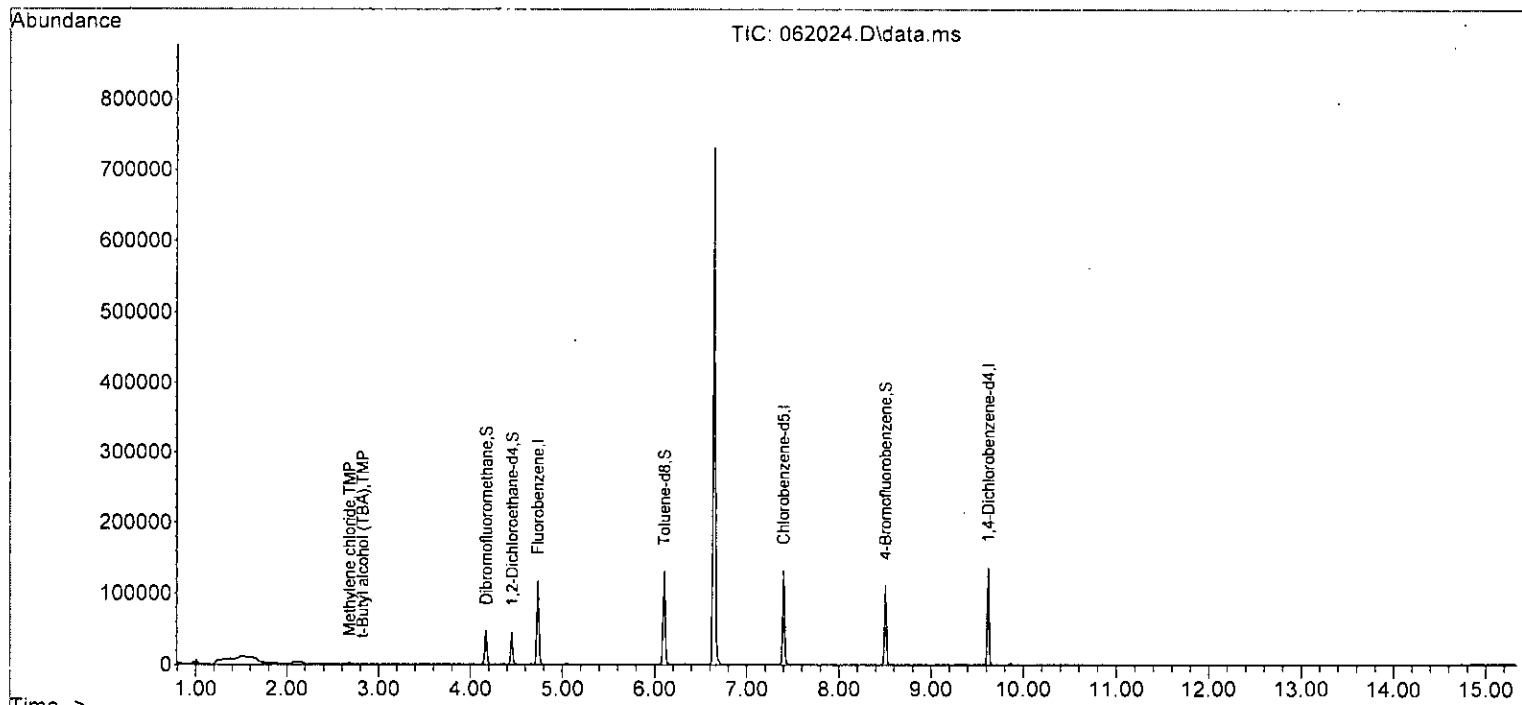
Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

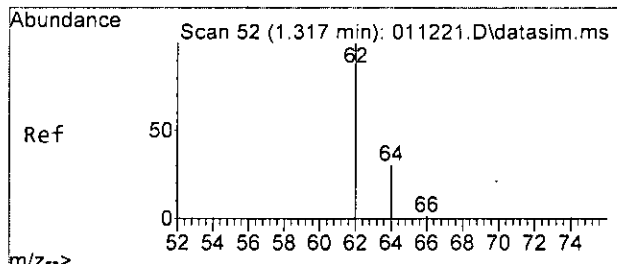
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 81201 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68022 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36694 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 24643 | 10.049 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.50% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5209 | 10.279 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 102.80% | | |
| 35) Toluene-d8 | 6.11 | 98 | 79500 | 10.207 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 102.10% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27954 | 10.056 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 100.60% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.33 | 62 | 129m | 0.024 | ppb | | |
| 14) Methylene chloride | 2.68 | 84 | 756 | 0.414 | ppb | # | 38 |
| 15) t-Butyl alcohol (TBA) | 2.83 | 59 | 37 | 0.141 | ppb | | 46 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 114 | 0.050 | ppb | # | 76 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 70 | Below Cal | | | 86 |
| 32] Trichloroethene | 5.04 | 95 | 492 | 0.191 | ppb | | 97 |
| 45] Tetrachloroethene | 6.65 | 164 | 170174 | 67.029 | ppb | | 98 |
| 51] m,p-Xylene | 7.64 | 106 | 51 | 0.013 | ppb | | 97 |
| ----- | | | | | | | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

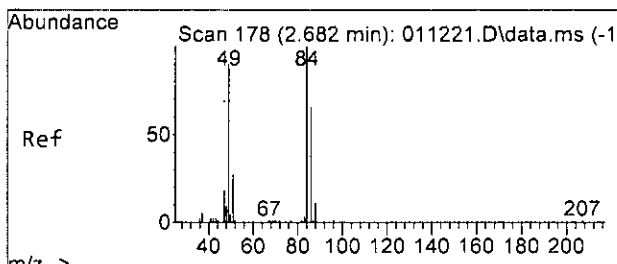
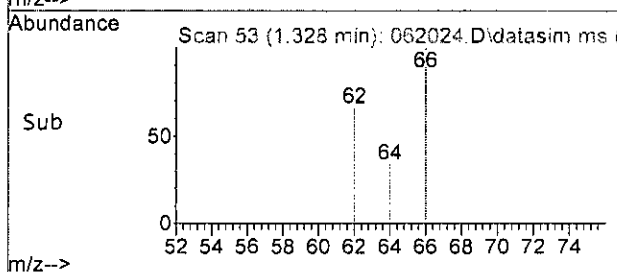
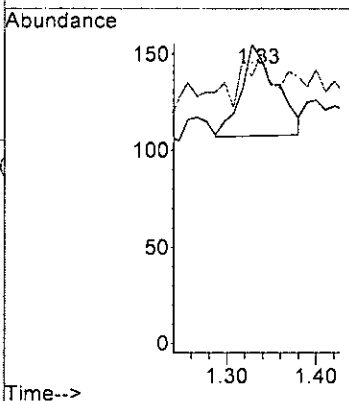
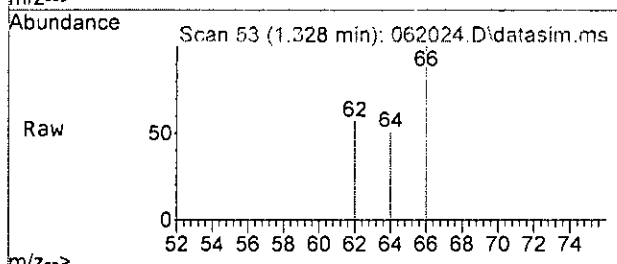
Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





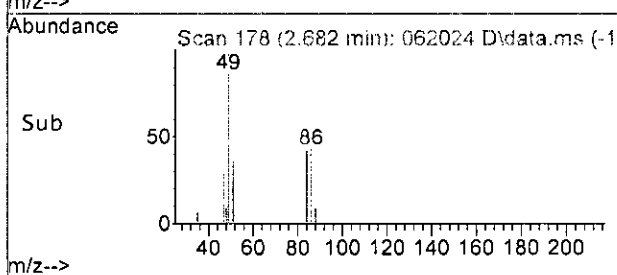
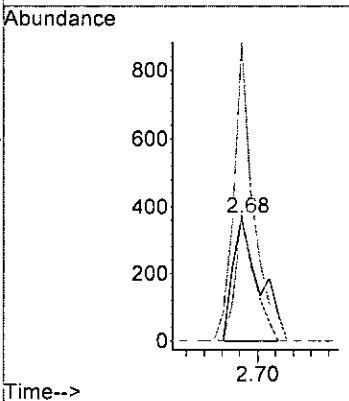
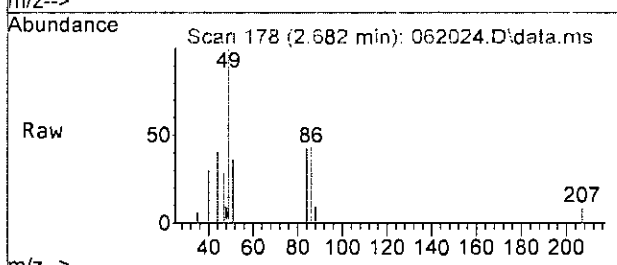
#6
 Vinyl chloride
 Concen: 0.024 ppb m
 RT: 1.33 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

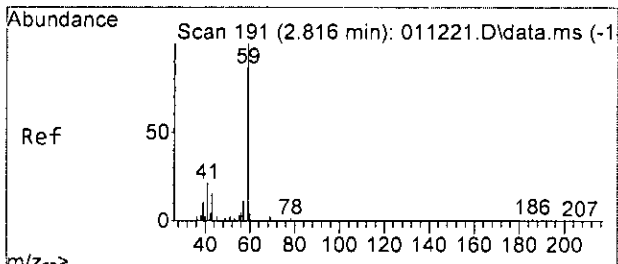
Tgt Ion: 62 Resp: 129
 Ion Ratio Lower Upper
 62 100
 64 89.0 2.0 62.0#



#14
 Methylene chloride
 Concen: 0.414 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

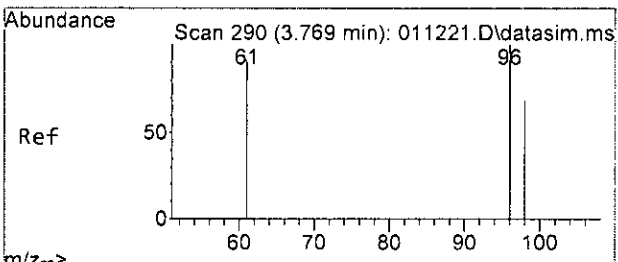
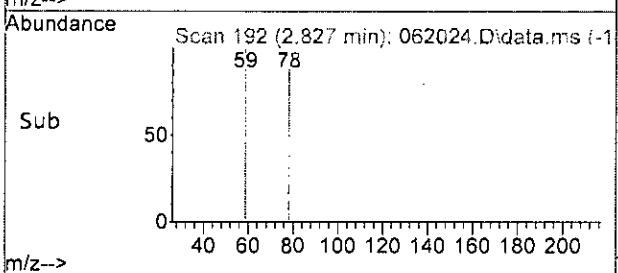
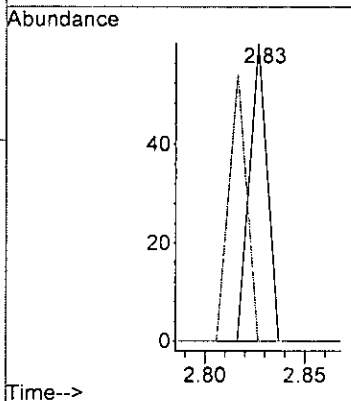
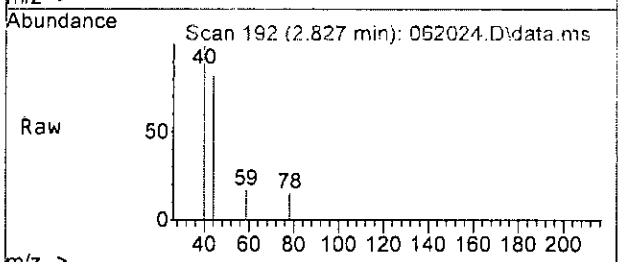
Tgt Ion: 84 Resp: 756
 Ion Ratio Lower Upper
 84 100
 86 103.3 35.0 95.0#
 49 239.4 122.5 182.5#





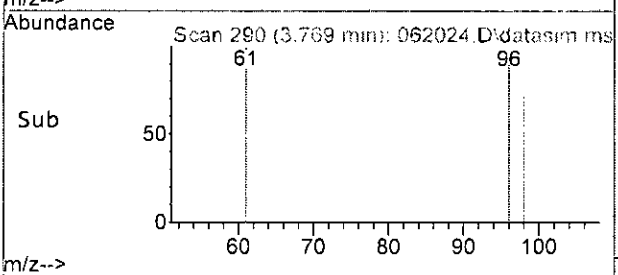
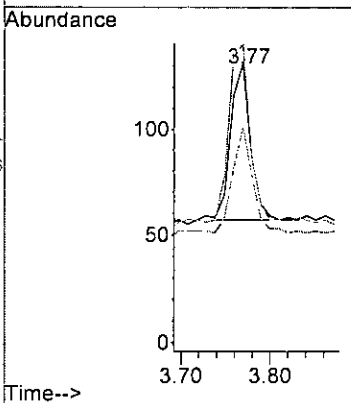
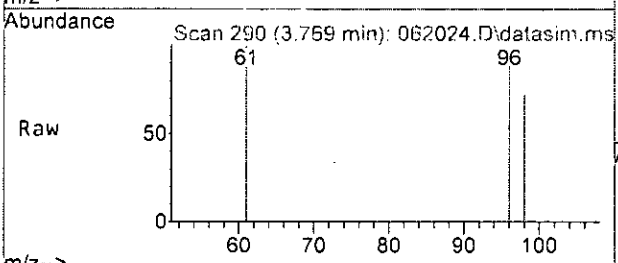
#15
 t-Butyl alcohol (TBA)
 Concen: 0.141 ppb
 RT: 2.83 min Scan# 192
 Delta R.T. 0.021 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

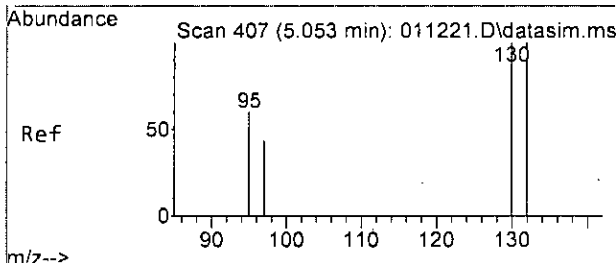
Tgt Ion: 59 Resp: 37
 Ion Ratio Lower Upper
 59 100
 41 0.0 0.0 59.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.050 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.011 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

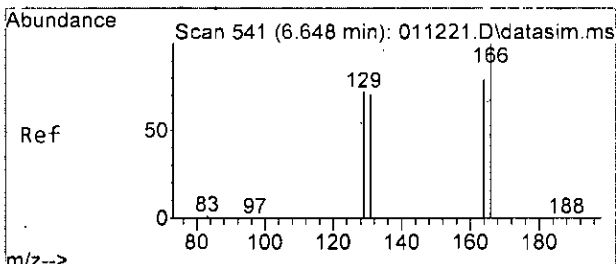
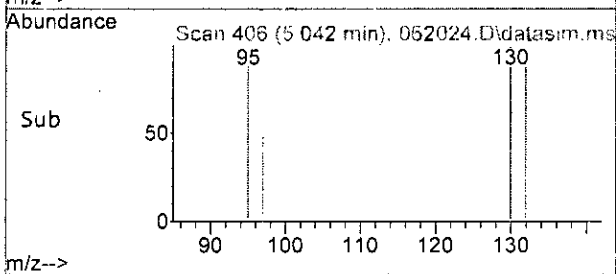
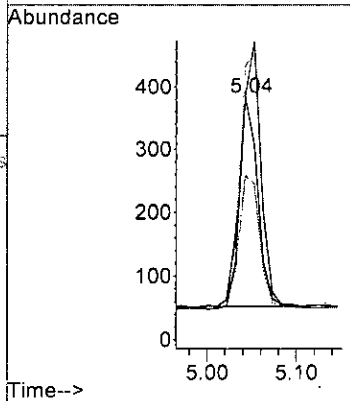
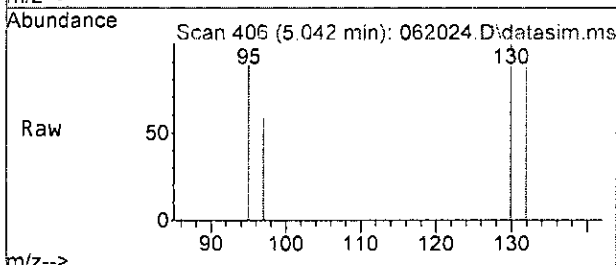
Tgt Ion: 96 Resp: 114
 Ion Ratio Lower Upper
 96 100
 61 112.2 119.0 179.0#
 98 67.6 29.0 89.0





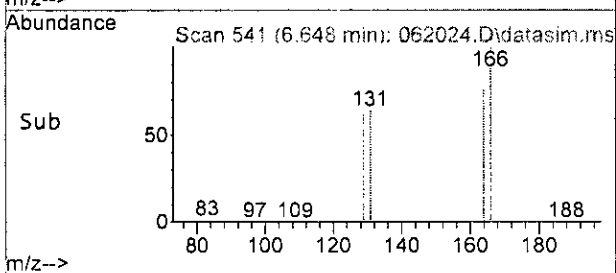
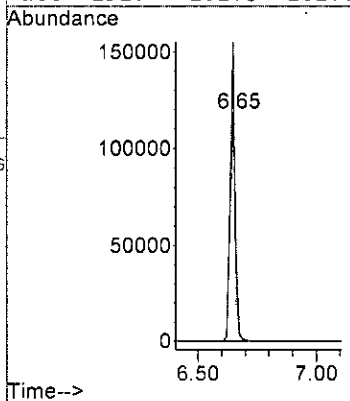
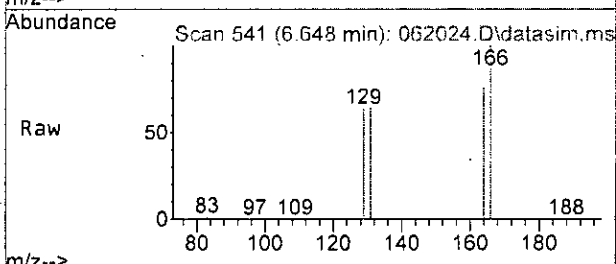
#32
 Trichloroethene
 Concen: 0.191 ppb
 RT: 5.04 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

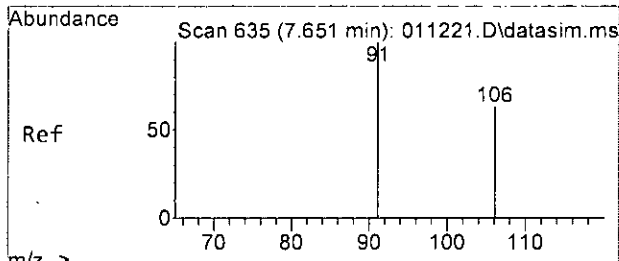
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 100 | | |
| 97 | 62.7 | 32.9 | 92.9 |
| 130 | 116.7 | 80.9 | 140.9 |
| 132 | 102.1 | 69.4 | 129.4 |



#45
 Tetrachloroethene
 Concen: 67.029 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

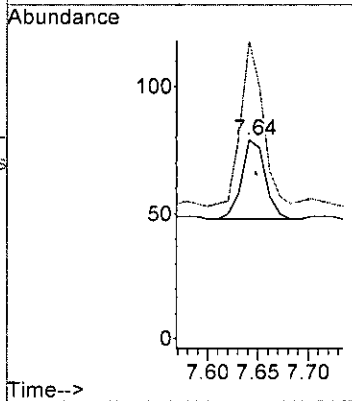
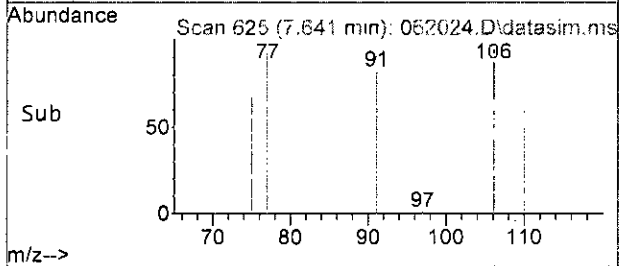
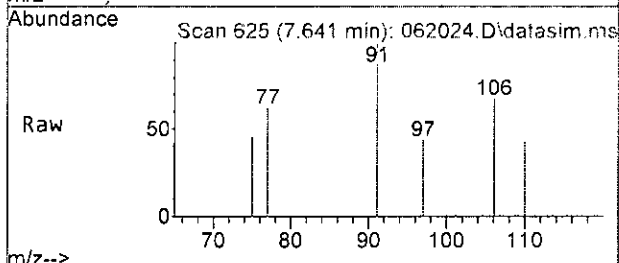
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 84.1 | 56.4 | 116.4 |
| 131 | 84.7 | 57.2 | 117.2 |
| 166 | 131.4 | 101.6 | 161.6 |





#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062024.D
 Acq: 20 Jun 2023 03:25 pm

Tgt Ion: 106 Resp: 51
 Ion Ratio Lower Upper
 106 100
 91 206.5 172.0 232.0



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|------------|-----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 81201 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68022 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36694 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.18 | 113 | 24643 | 10.049 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery = | 100.50% | | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5209 | 10.279 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery = | 102.80% | | | |
| 35) Toluene-d8 | 6.11 | 98 | 79500 | 10.207 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery = | 102.10% | | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27954 | 10.056 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery = | 100.60% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | | N.D. | | |
| 5) Chloromethane | 1.26 | 50 | 1078 | | N.D. | | |
| 6] Vinyl chloride | 1.33 | 62 | 129m | 0.024 | ppb | | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | | |
| 11) Acetone | 2.33 | 58 | 130 | | N.D. | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 13) Hexane | 0.00 | | 0 | | N.D. | | |
| 14) Methylene chloride | 2.68 | 84 | 756 | 0.414 | ppb # | 38 | |
| 15) t-Butyl alcohol (TBA) | 2.83 | 59 | 37 | 0.141 | ppb | 46 | |
| 16) Methyl t-butyl ether (...) | 2.93 | 73 | 37 | | N.D. | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 114 | 0.050 | ppb # | 76 | |
| 23) Chloroform | 0.00 | | 0 | | N.D. | | |
| 24) 2-Butanone (MEK) | 3.80 | 43 | 67 | | N.D. | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 70 | Below Cal | | 86 | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. | | |
| 31) Benzene | 4.50 | 78 | 40 | | N.D. | | |
| 32] Trichloroethene | 5.04 | 95 | 492 | 0.191 | ppb | 97 | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

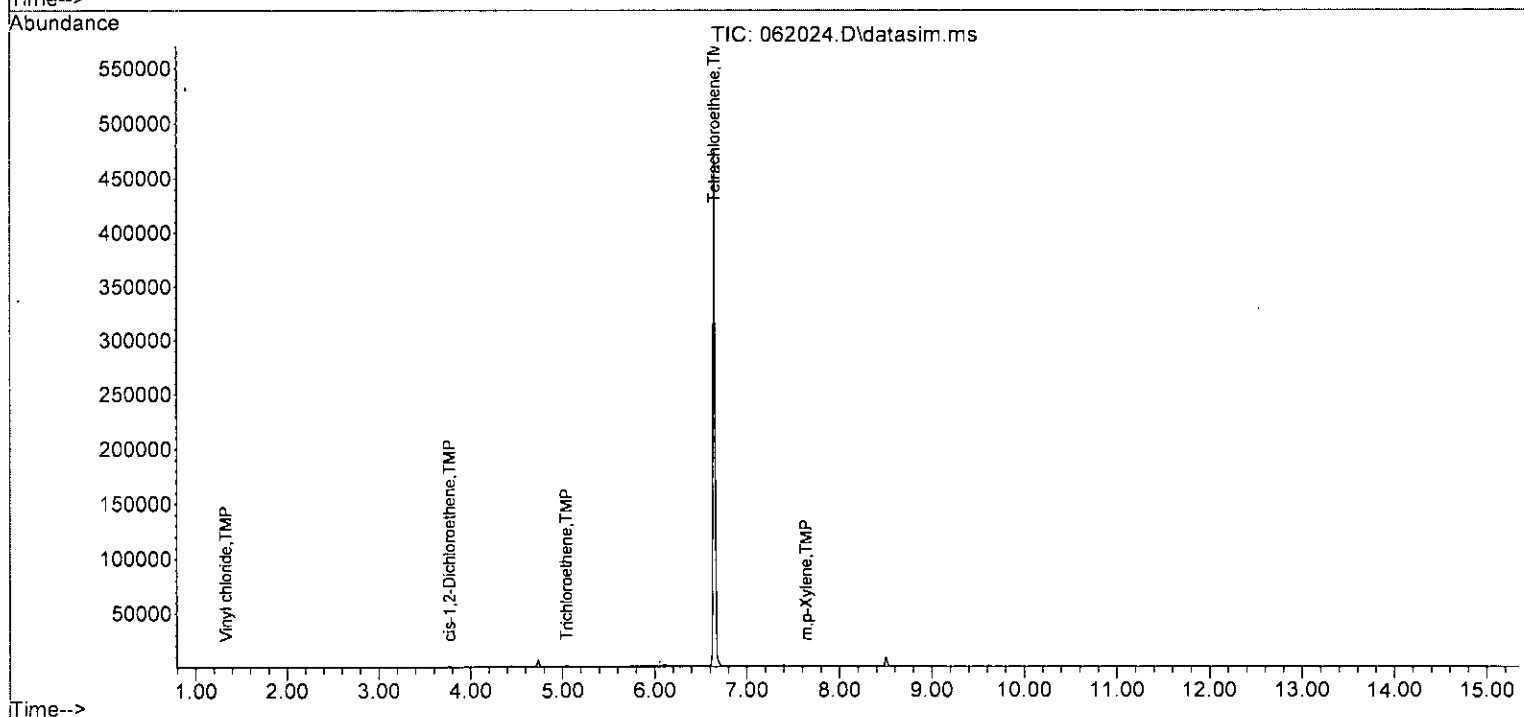
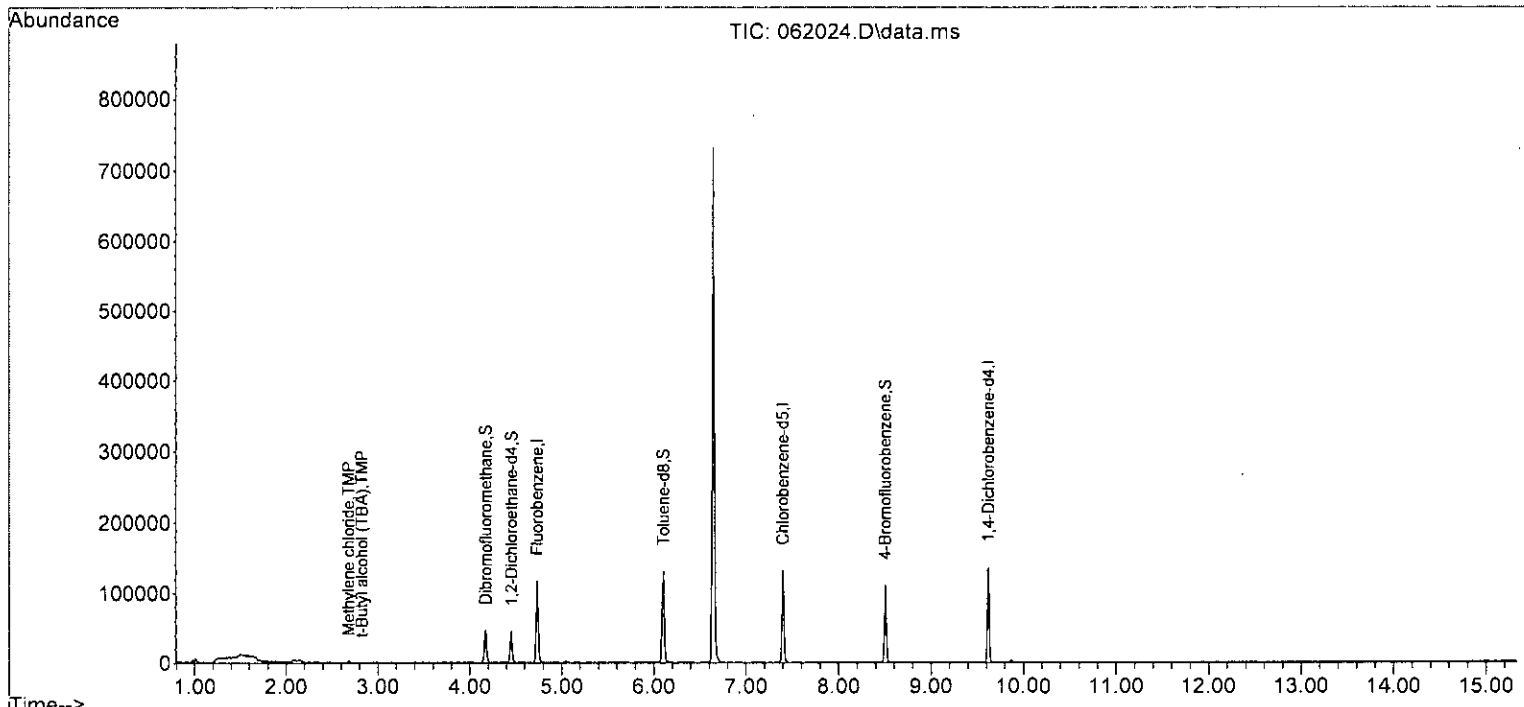
Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 0.00 | | 0 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.54 | 83 | 24 | | N.D. | |
| 43) 2-Hexanone | 6.79 | 43 | 185 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 170174 | 67.029 | ppb | 98 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 47 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 51 | 0.013 | ppb | 97 |
| 52) o-Xylene | 8.01 | 106 | 24 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 8.50 | 105 | 71 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.76 | 91 | 38 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.76 | 91 | 38 | | N.D. | |
| 64) 4-Chlorotoluene | 8.76 | 91 | 38 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 73 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 73 | | N.D. | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 11.59 | 180 | 55 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 22 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062024.D
 Acq On : 20 Jun 2023 03:25 pm
 Operator : MD
 Sample : 306243-06
 Misc : water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

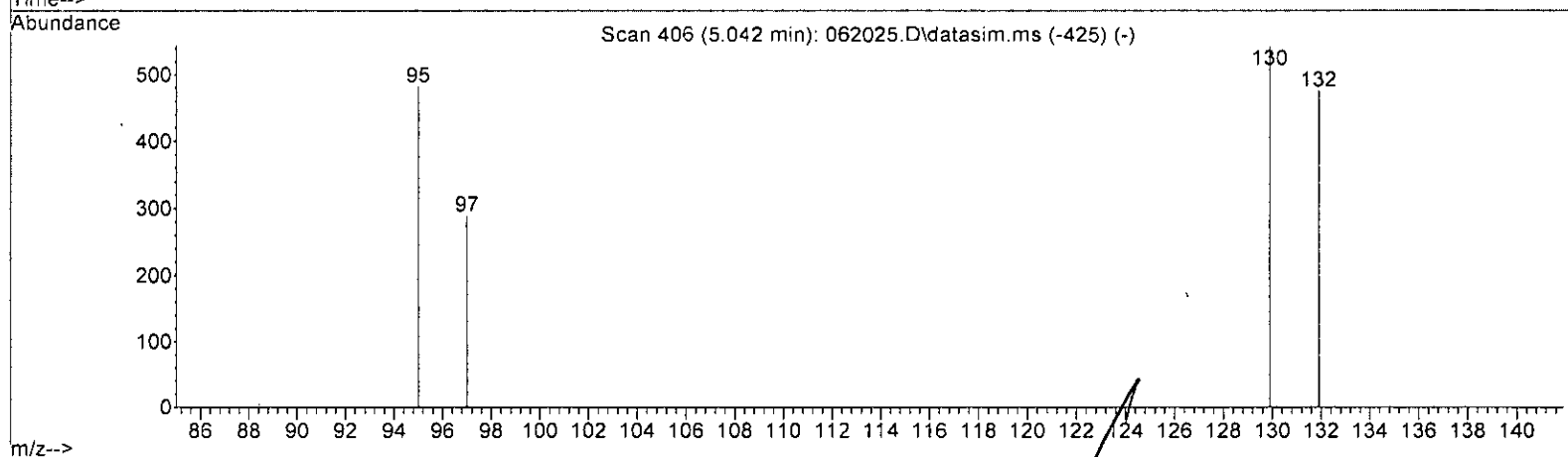
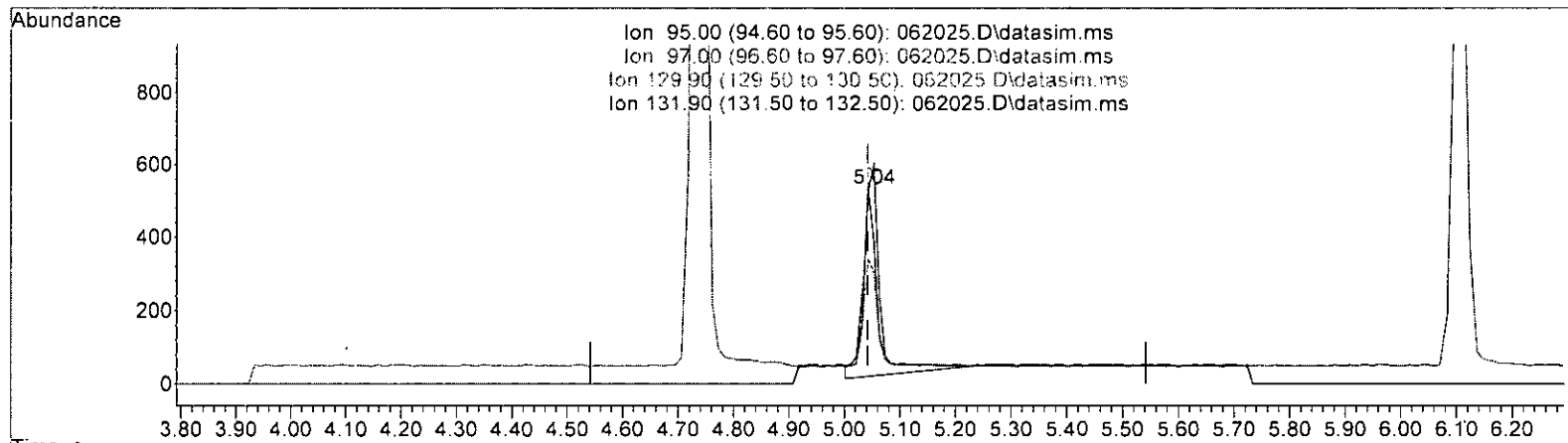
Quant Time: Jun 21 08:21:17 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062025.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) 0.389 ppb

response 977

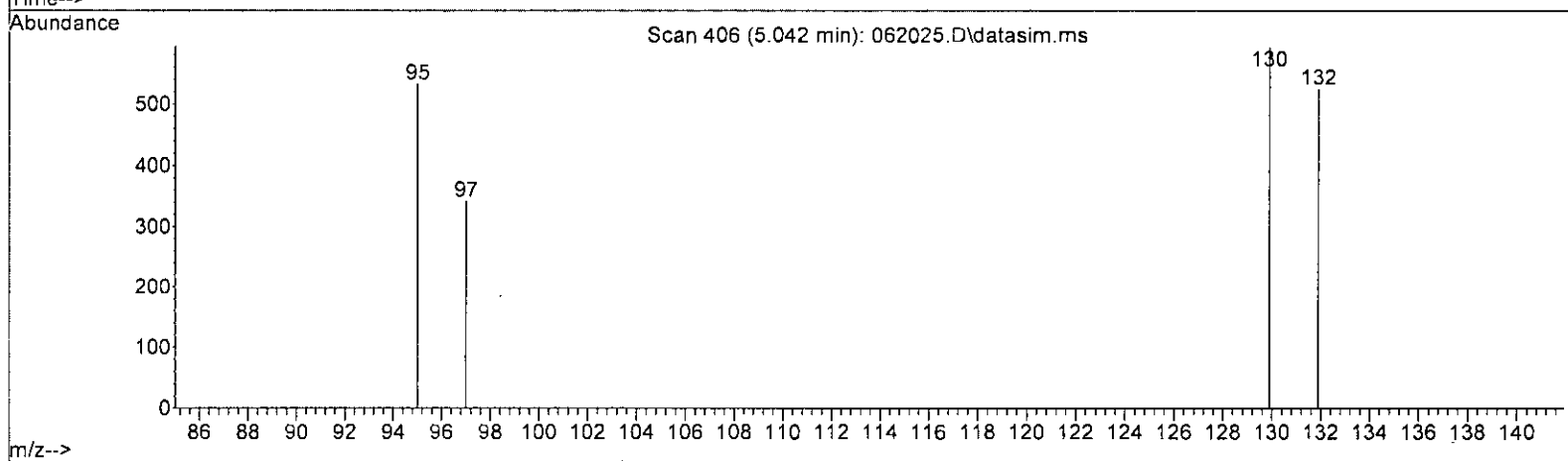
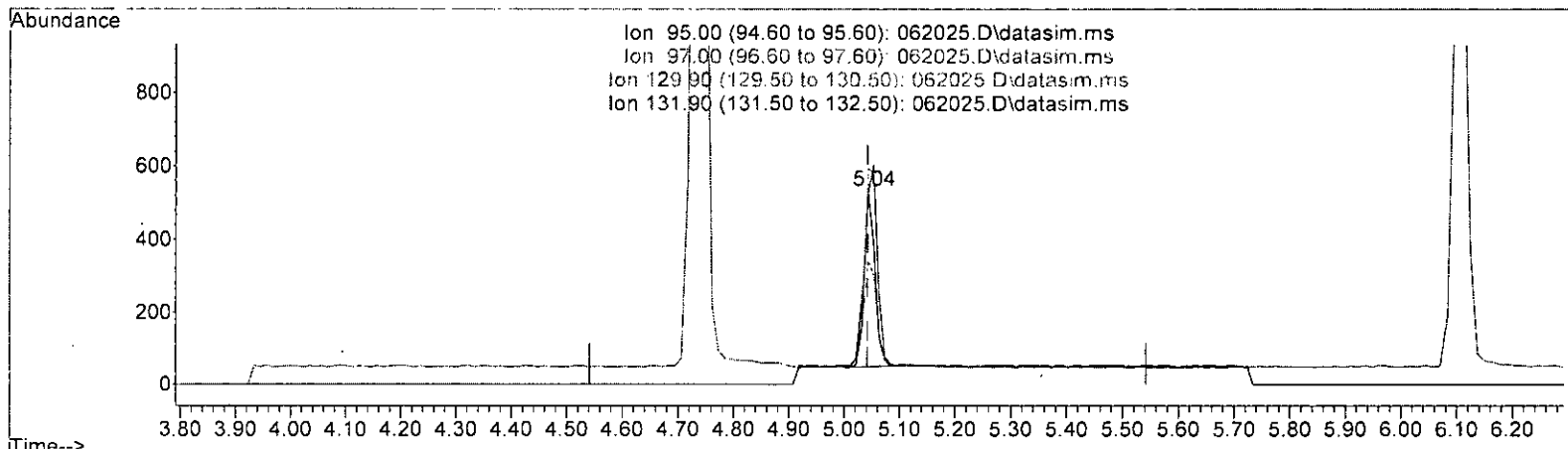
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 60.37 |
| 129.90 | 110.90 | 112.86 |
| 131.90 | 99.40 | 98.76 |

Handwritten signature: M6/24

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062025.D\data.ms

(32) Trichloroethene (TMP)
 5.042min (+ 0.000) 0.283 ppb m
 response 716

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 64.10 |
| 129.90 | 110.90 | 111.47 |
| 131.90 | 99.40 | 98.50 |

MD/21

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

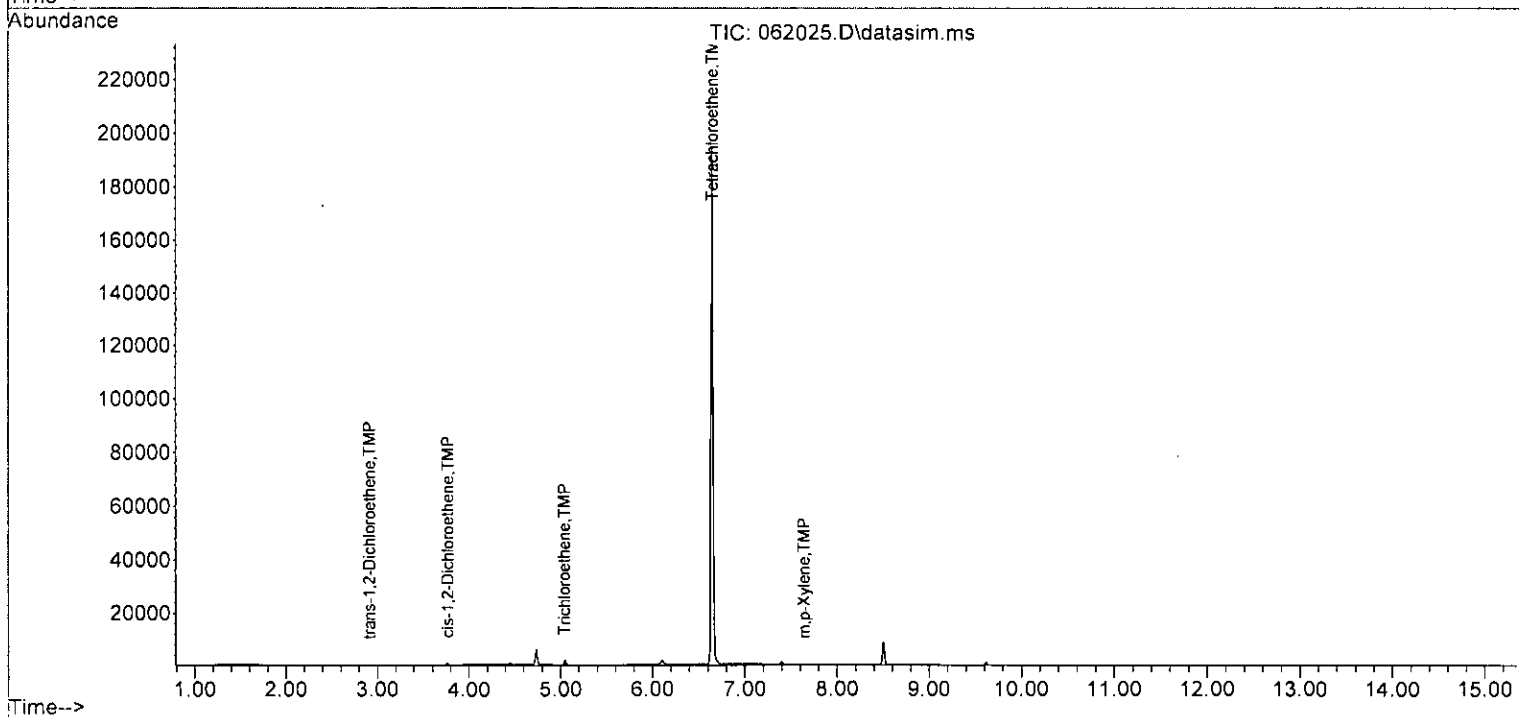
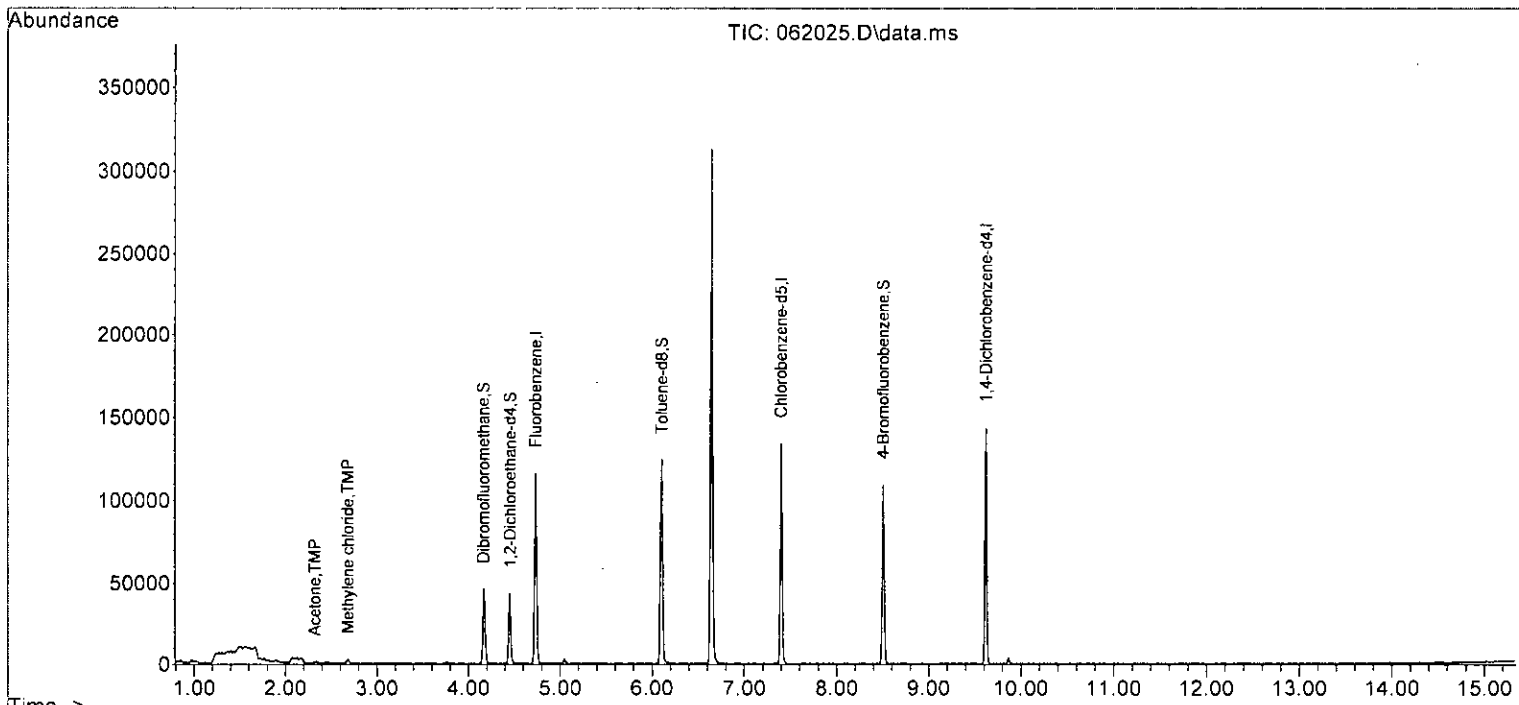
Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

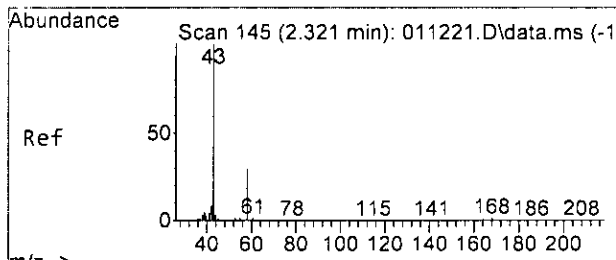
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 80631 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 67476 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36902 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 24155 | 9.919 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 99.20% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4873 | 9.684 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 96.80% | |
| 35) Toluene-d8 | 6.11 | 98 | 75973 | 9.824 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 98.20% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27499 | 9.837 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 98.40% | |
| Target Compounds | | | | | | |
| 11) Acetone | 2.32 | 58 | 290 | 1.020 | ppb # | 66 |
| 14) Methylene chloride | 2.68 | 84 | 1047 | 0.578 | ppb | 91 |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 27 | 0.013 | ppb | 81 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 425 | 0.188 | ppb # | 75 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 67 | Below Cal | | 95 |
| 32] Trichloroethene | 5.04 | 95 | 716m | 0.283 | ppb | |
| 45] Tetrachloroethene | 6.65 | 164 | 70654 | 28.049 | ppb | 99 |
| 51] m,p-Xylene | 7.64 | 106 | 52 | 0.013 | ppb | 93 |
| ----- | | | | | | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

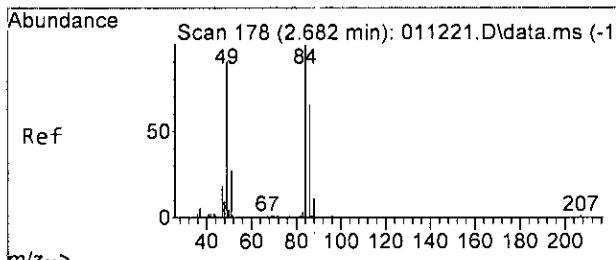
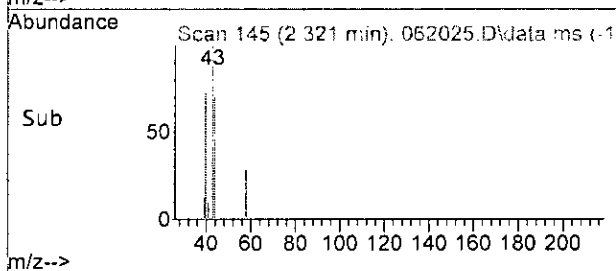
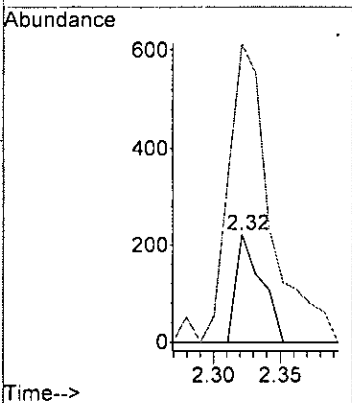
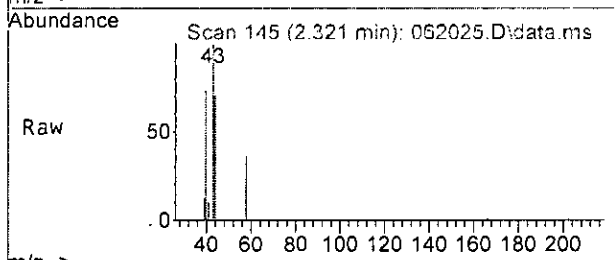
Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





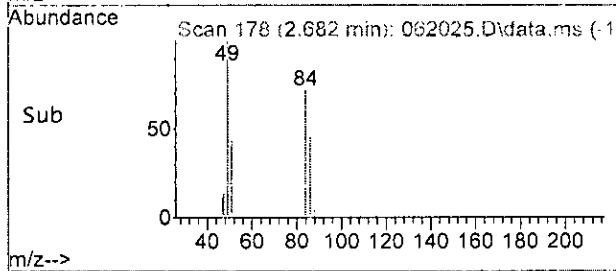
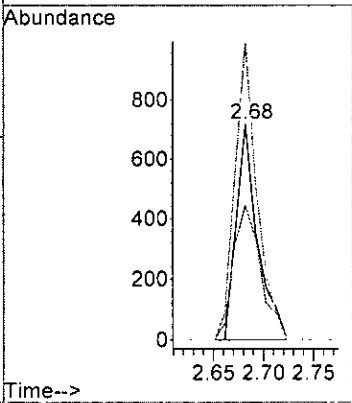
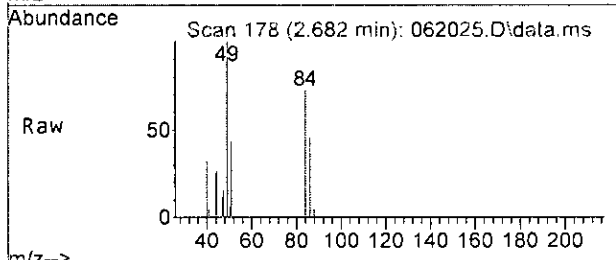
#11
 Acetone
 Concen: 1.020 ppb
 RT: 2.32 min Scan# 145
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

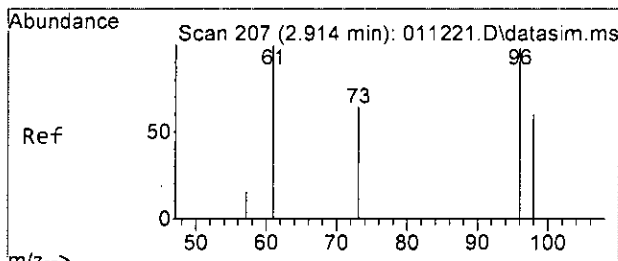
Tgt Ion: 58 Resp: 290
 Ion Ratio Lower Upper
 58 100
 43 460.3 351.7 411.7#



#14
 Methylene chloride
 Concen: 0.578 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

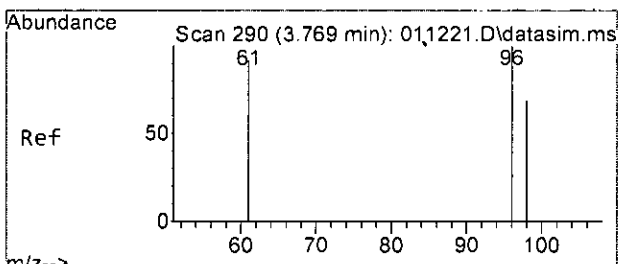
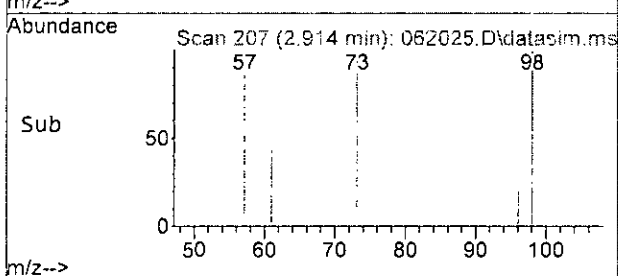
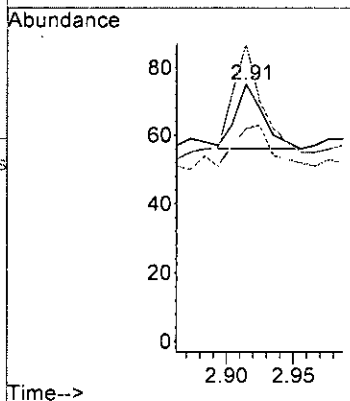
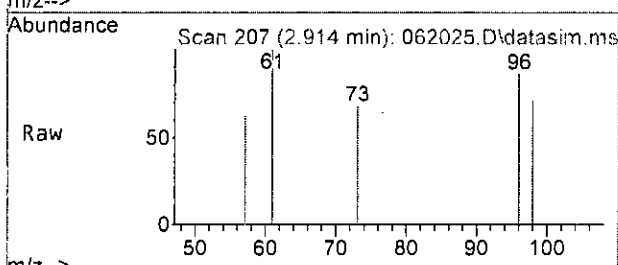
Tgt Ion: 84 Resp: 1047
 Ion Ratio Lower Upper
 84 100
 86 61.9 35.0 95.0
 49 138.5 122.5 182.5





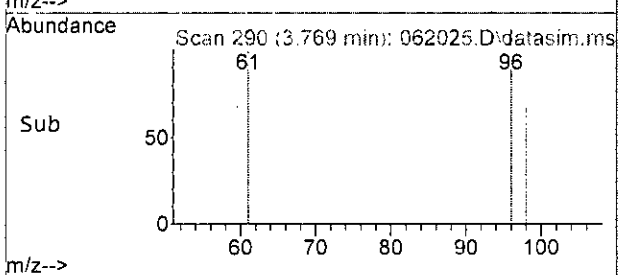
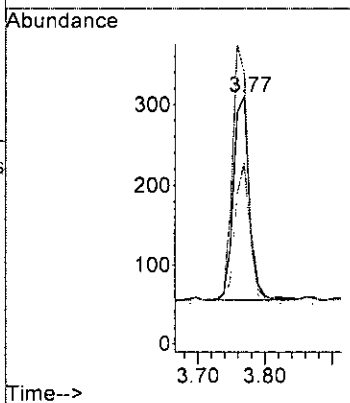
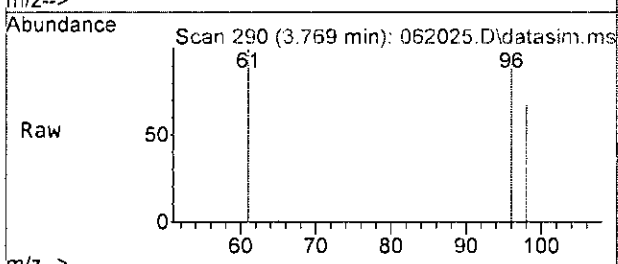
#17
 trans-1,2-Dichloroethene
 Concen: 0.013 ppb
 RT: 2.91 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

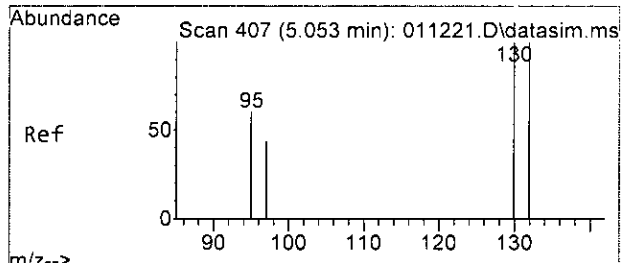
Tgt Ion: 96 Resp: 27
 Ion Ratio Lower Upper
 96 100
 61 168.4 108.7 168.7
 98 57.9 34.3 94.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.188 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.011 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

Tgt Ion: 96 Resp: 425
 Ion Ratio Lower Upper
 96 100
 61 111.4 119.0 179.0#
 98 68.9 29.0 89.0

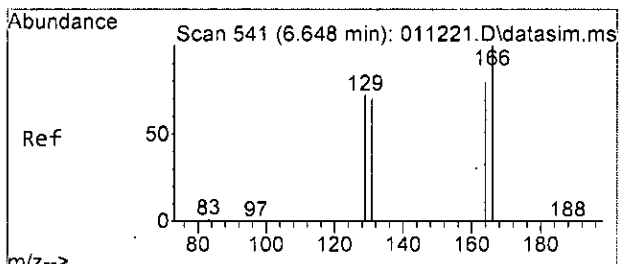
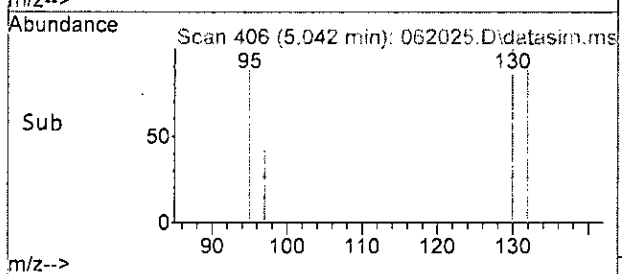
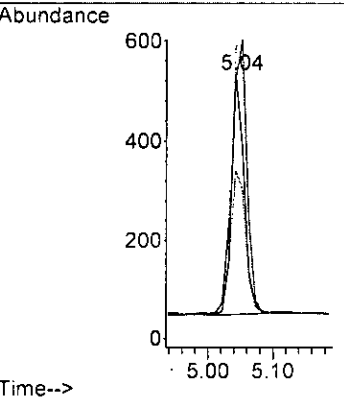
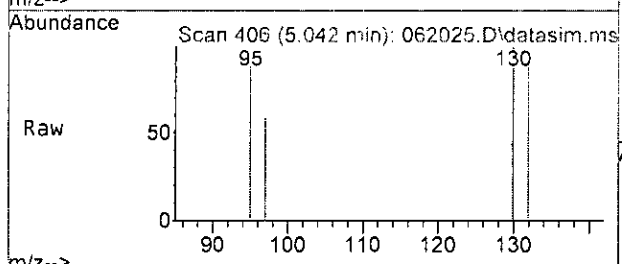




#32
 Trichloroethene
 Concen: 0.283 ppb m
 RT: 5.04 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

Tgt Ion: 95 Resp: 716

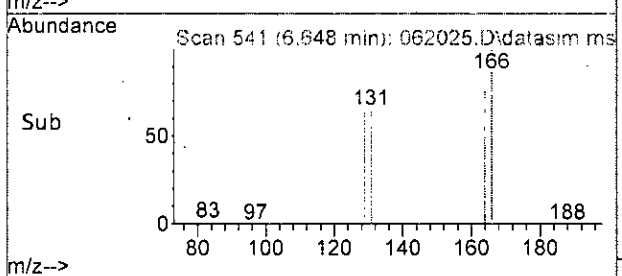
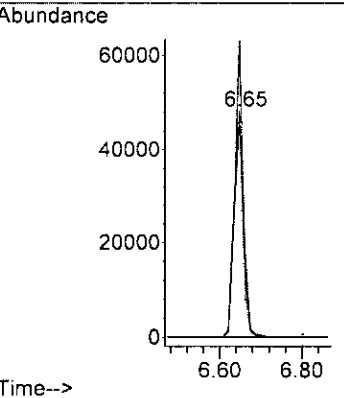
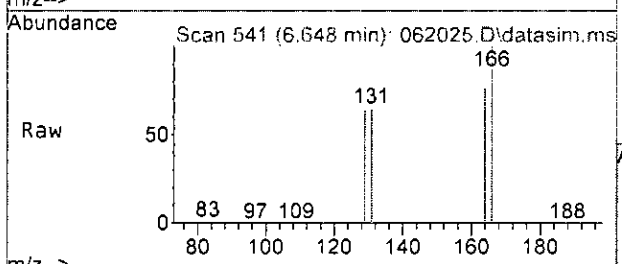
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95 | 100 | | |
| 97 | 64.1 | 32.9 | 92.9 |
| 130 | 111.5 | 80.9 | 140.9 |
| 132 | 98.5 | 69.4 | 129.4 |

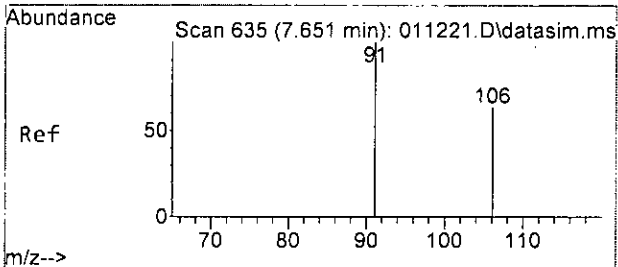


#45
 Tetrachloroethene
 Concen: 28.049 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm

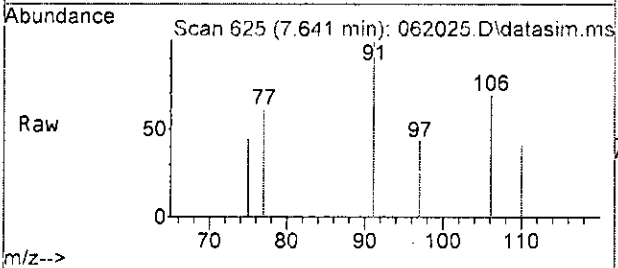
Tgt Ion: 164 Resp: 70654

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 129 | 84.1 | 56.4 | 116.4 |
| 131 | 85.2 | 57.2 | 117.2 |
| 166 | 131.3 | 101.6 | 161.6 |

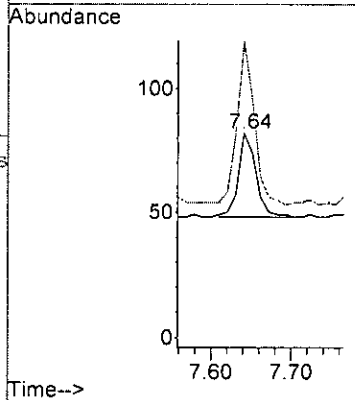
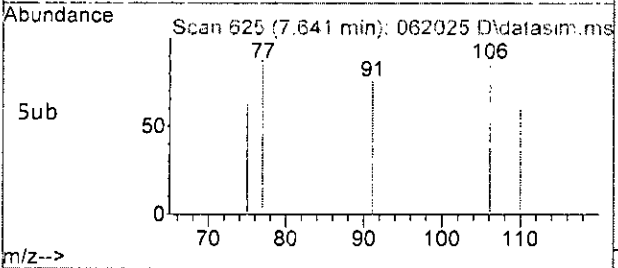




#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062025.D
 Acq: 20 Jun 2023 03:48 pm



Tgt Ion:106 Resp: 52
 Ion Ratio Lower Upper
 106 100
 91 191.2 172.0 232.0



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|-------|----------|-----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 80631 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 67476 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 36902 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.16 | 113 | 24155 | 9.919 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 50 - 150 | Recovery | = | 99.20% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4873 | 9.684 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 71 - 132 | Recovery | = | 96.80% | |
| 35) Toluene-d8 | 6.11 | 98 | 75973 | 9.824 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 68 - 139 | Recovery | = | 98.20% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 27499 | 9.837 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range | 62 - 136 | Recovery | = | 98.40% | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 0.00 | | 0 | | N.D. | | |
| 4) Dichlorodifluoromethane | 1.09 | 85 | 32 | | N.D. | | |
| 5) Chloromethane | 1.26 | 50 | 1360 | | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | | N.D. d | | |
| 7) Bromomethane | 0.00 | | 0 | | N.D. d | | |
| 8) Chloroethane | 0.00 | | 0 | | N.D. | | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | | N.D. | | |
| 10) 2-Propanol | 0.00 | | 0 | | N.D. | | |
| 11) Acetone | 2.32 | 58 | 290 | 1.020 | ppb | # | 66 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | | N.D. | | |
| 13) Hexane | 0.00 | | 0 | | N.D. | | |
| 14) Methylene chloride | 2.68 | 84 | 1047 | 0.578 | ppb | | 91 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | | N.D. | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | | N.D. | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 27 | 0.013 | ppb | | 81 |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | | N.D. | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 425 | 0.188 | ppb | # | 75 |
| 23) Chloroform | 0.00 | | 0 | | N.D. | | |
| 24) 2-Butanone (MEK) | 3.74 | 43 | 75 | | N.D. | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | | N.D. | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 67 | Below Cal | | | 95 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | | N.D. | | |
| 31) Benzene | 4.49 | 78 | 52 | | N.D. | | |
| 32] Trichloroethene | 5.04 | 95 | 716m | 0.283 | ppb | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | | N.D. | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

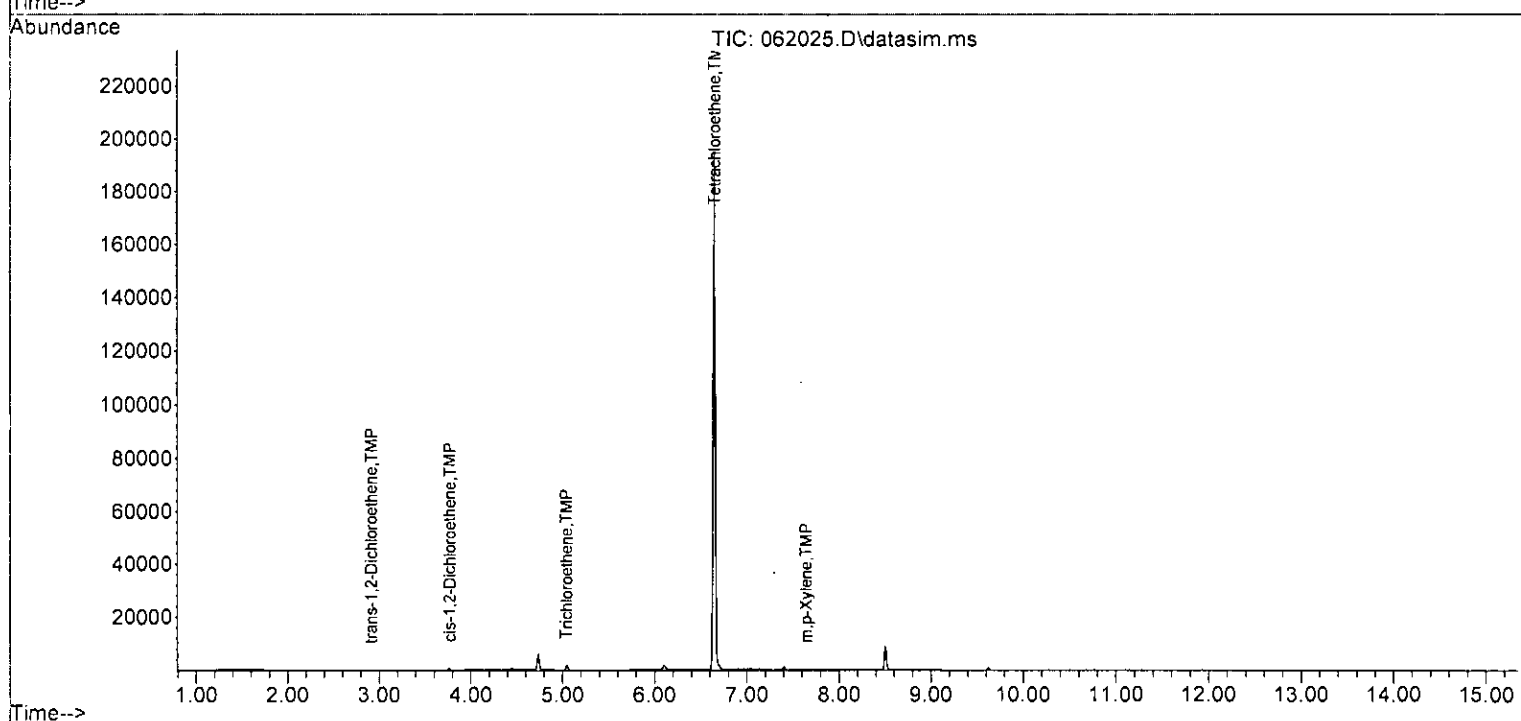
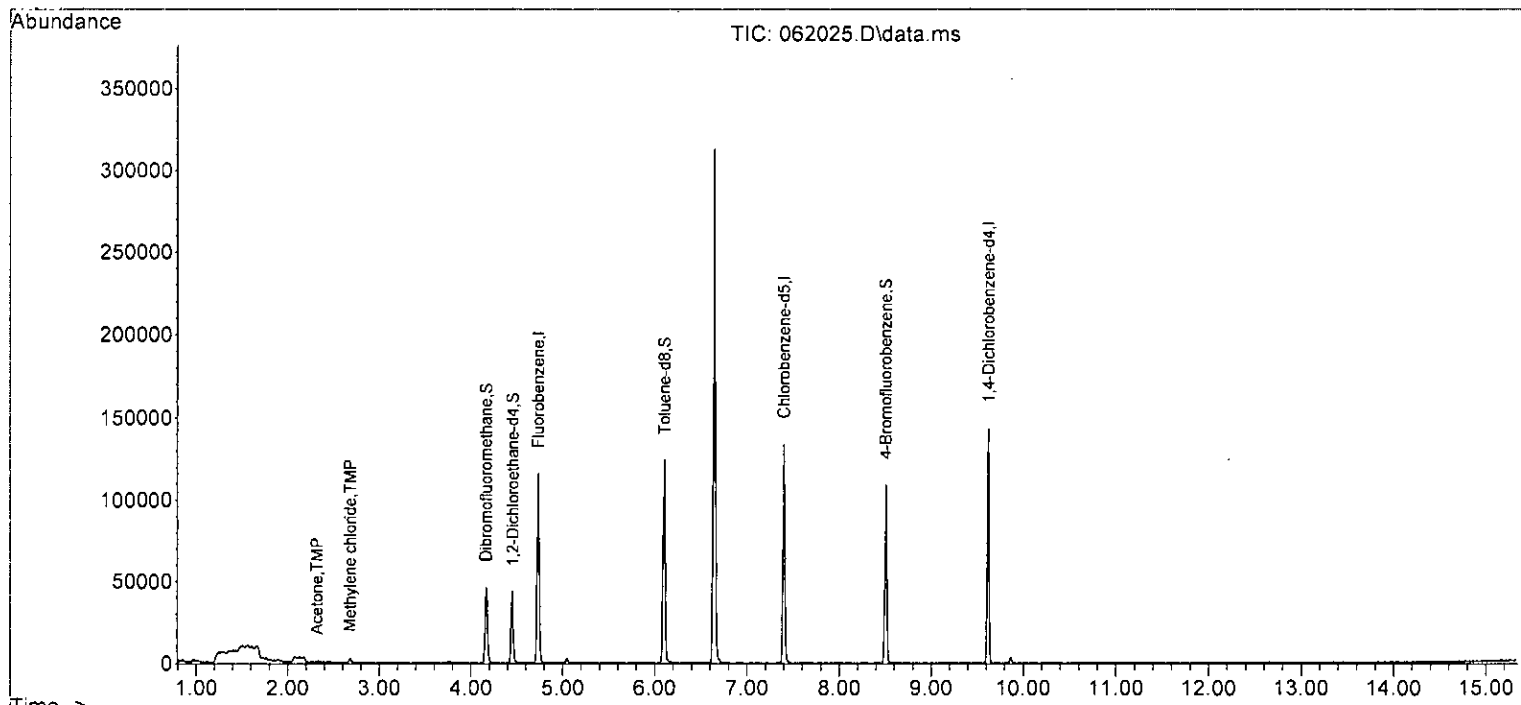
Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40) Toluene | 0.00 | | 0 | | N.D. | |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.53 | 83 | 21 | | N.D. | |
| 43) 2-Hexanone | 6.74 | 43 | 90 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 70654 | 28.049 | ppb | 99 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 42 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 52 | 0.013 | ppb | 93 |
| 52) o-Xylene | 8.01 | 106 | 25 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 67) sec-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 68) p-Isopropyltoluene | 0.00 | | 0 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.82 | 128 | 124 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062025.D
 Acq On : 20 Jun 2023 03:48 pm
 Operator : MD
 Sample : 306243-07
 Misc : water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

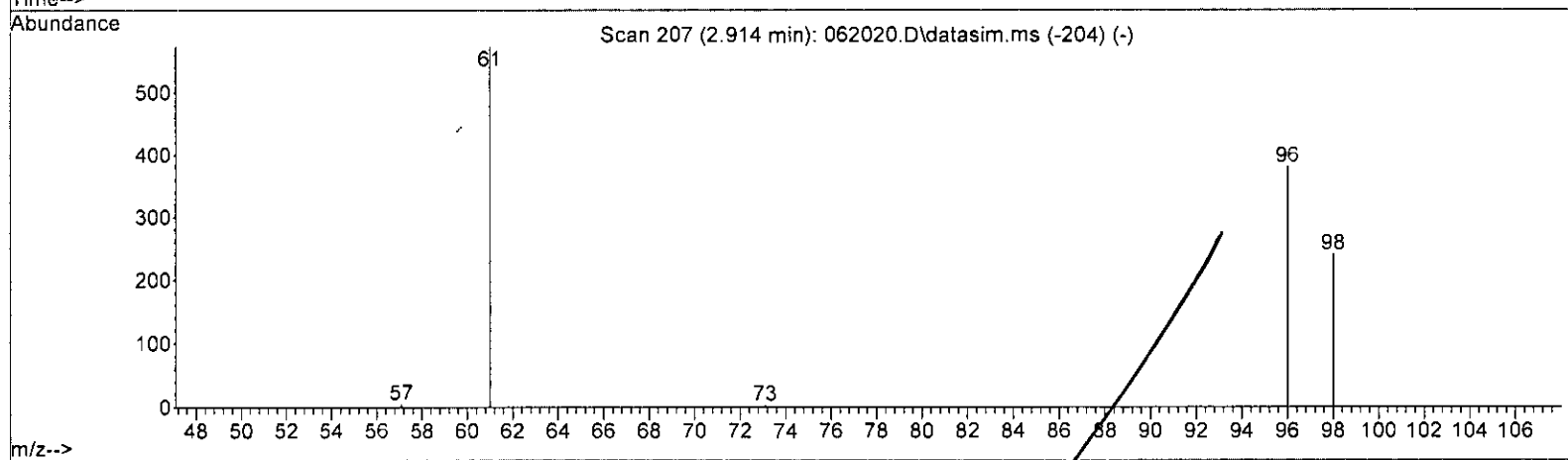
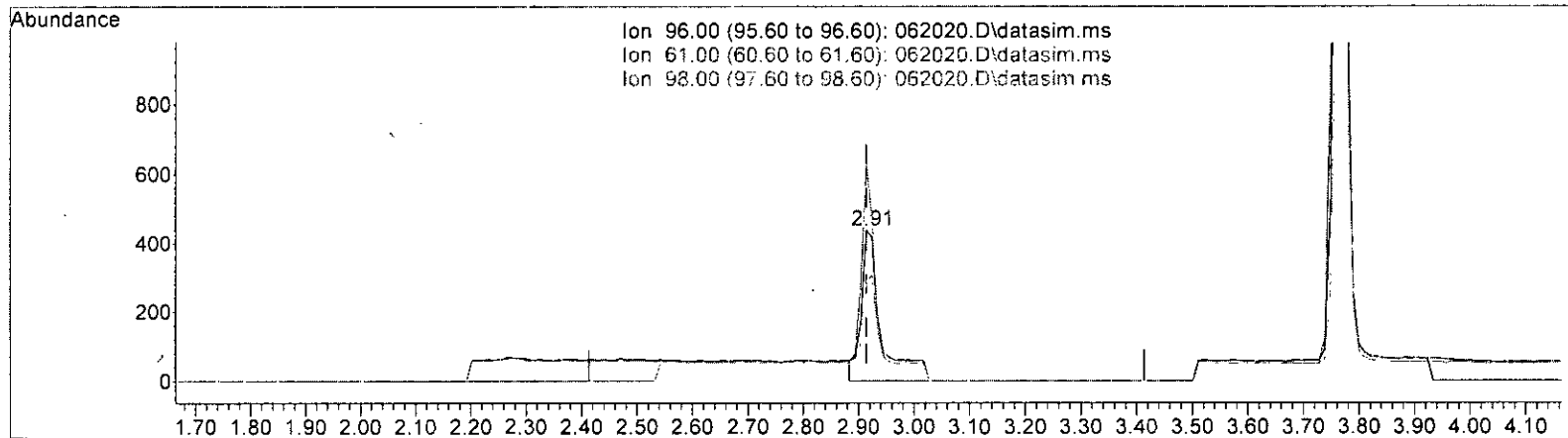
Quant Time: Jun 21 08:21:21 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062020.D\data.ms

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

2.914min (+ 0.000) 0.499 ppb

response 1098

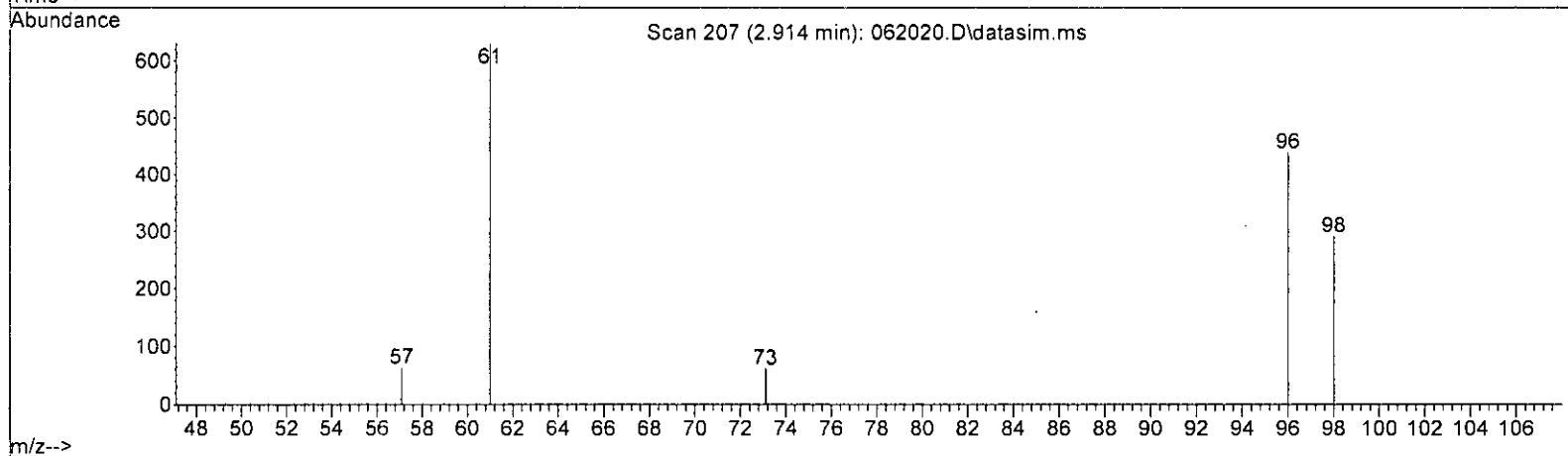
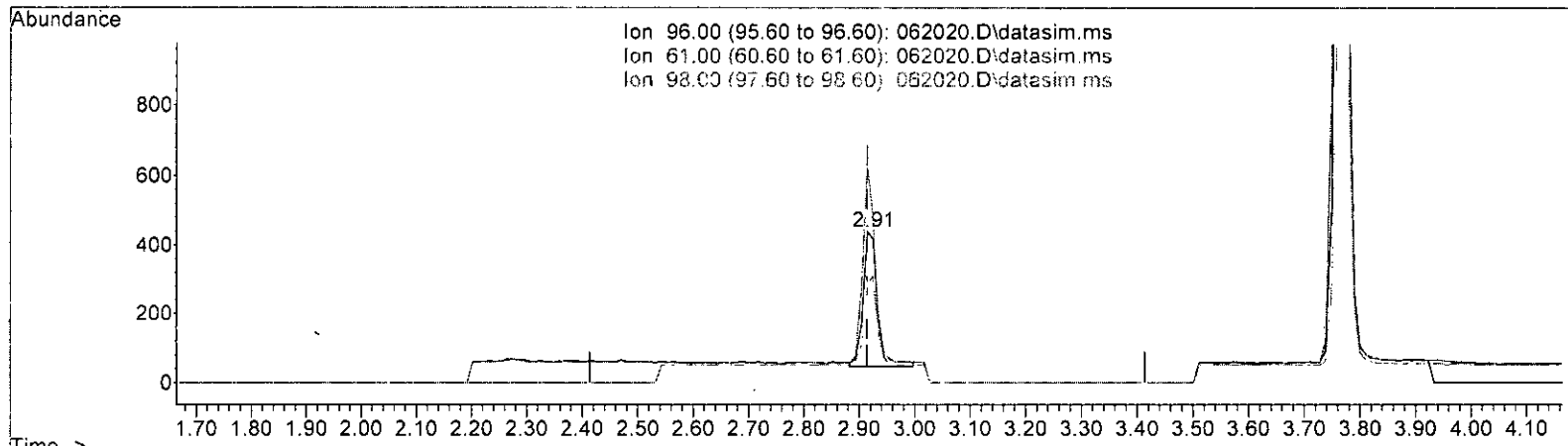
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 143.28 |
| 98.00 | 64.30 | 66.06 |
| 0.00 | 0.00 | 0.00 |

MD/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062020.D\data.ms

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

2.914min (+ 0.000) 0.323 ppb m

response 711

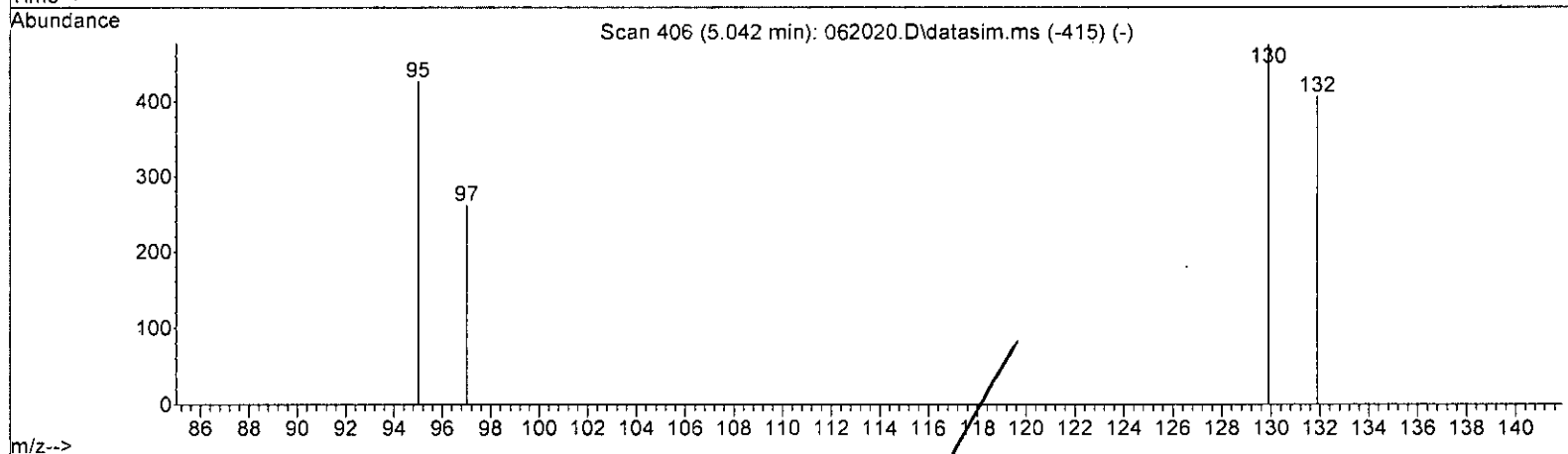
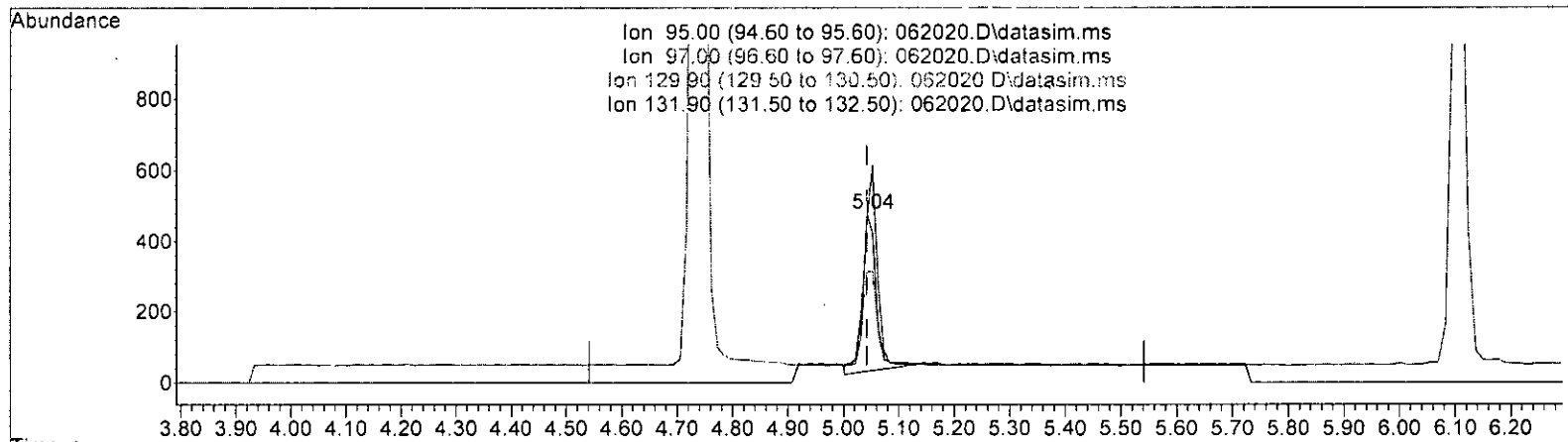
| Ion | Exp% | Act% |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 138.70 | 143.28 |
| 98.00 | 64.30 | 66.06 |
| 0.00 | 0.00 | 0.00 |

MD 6/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062020.D\data.ms

(32) Trichloroethene (TME)

5.042min (+ 0.000) 0.295 ppb

response 787

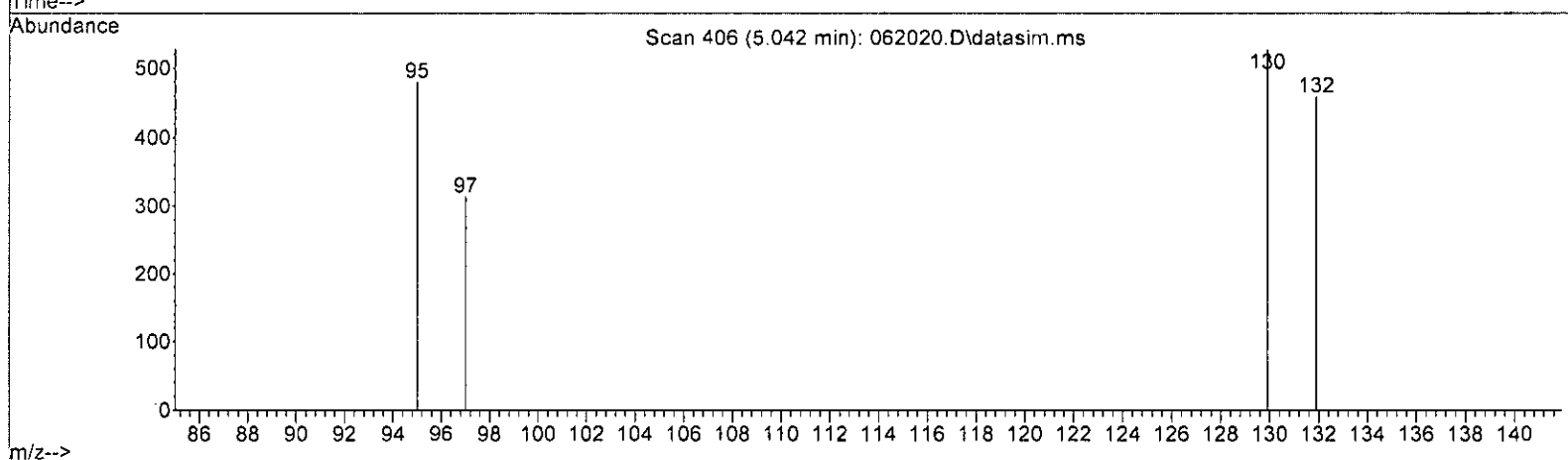
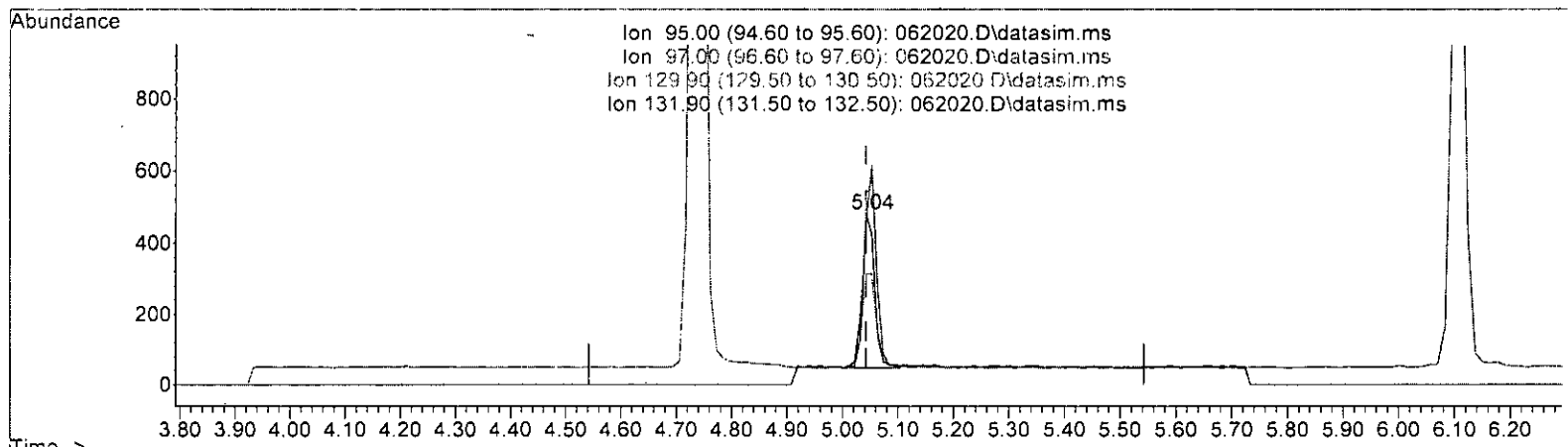
| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 61.12 |
| 129.90 | 110.90 | 111.71 |
| 131.90 | 99.40 | 96.02 |

m6/z1

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062020.D\data.ms

(32) Trichloroethene (TME) *m 6/21*

5.042min (+ 0.000) 0.259 ppb m

response 692

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 65.34 |
| 129.90 | 110.90 | 110.02 |
| 131.90 | 99.40 | 95.62 |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

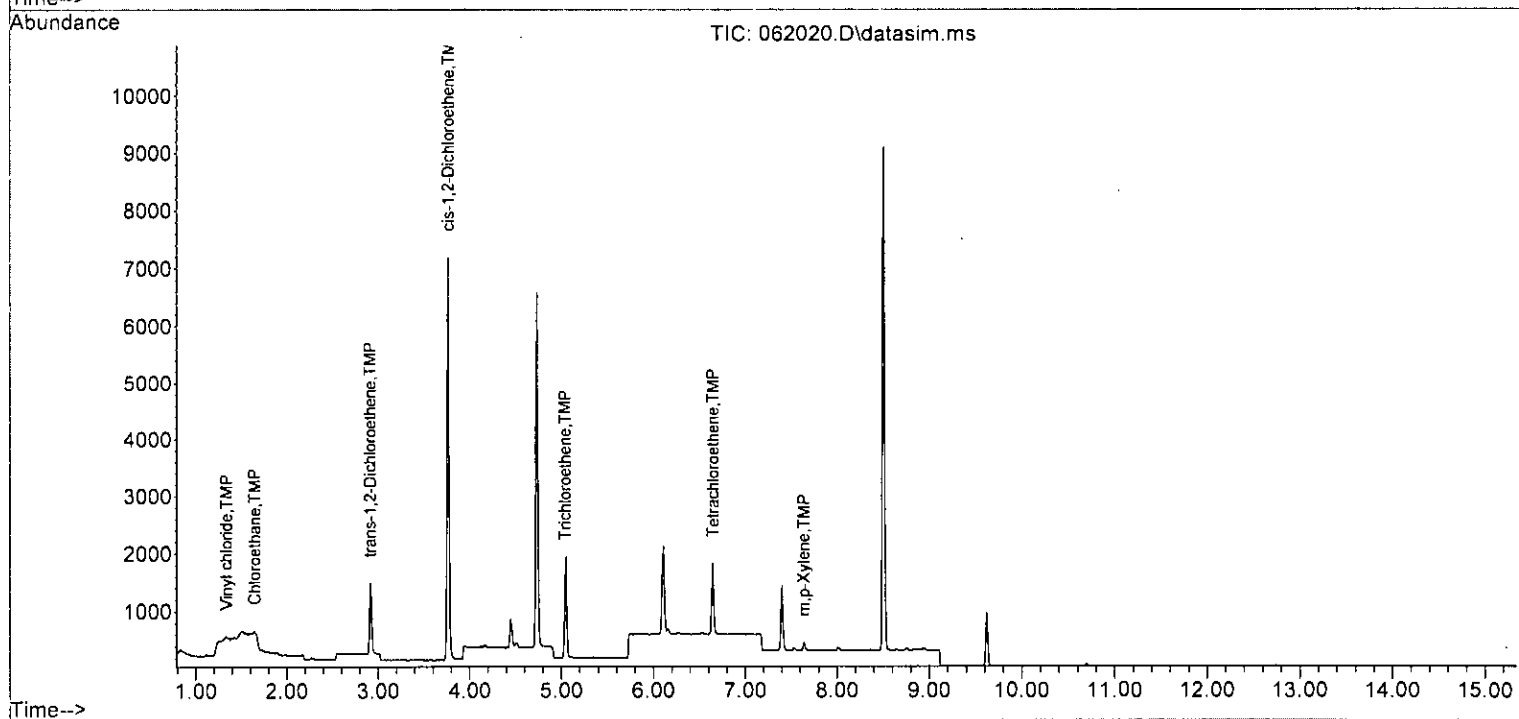
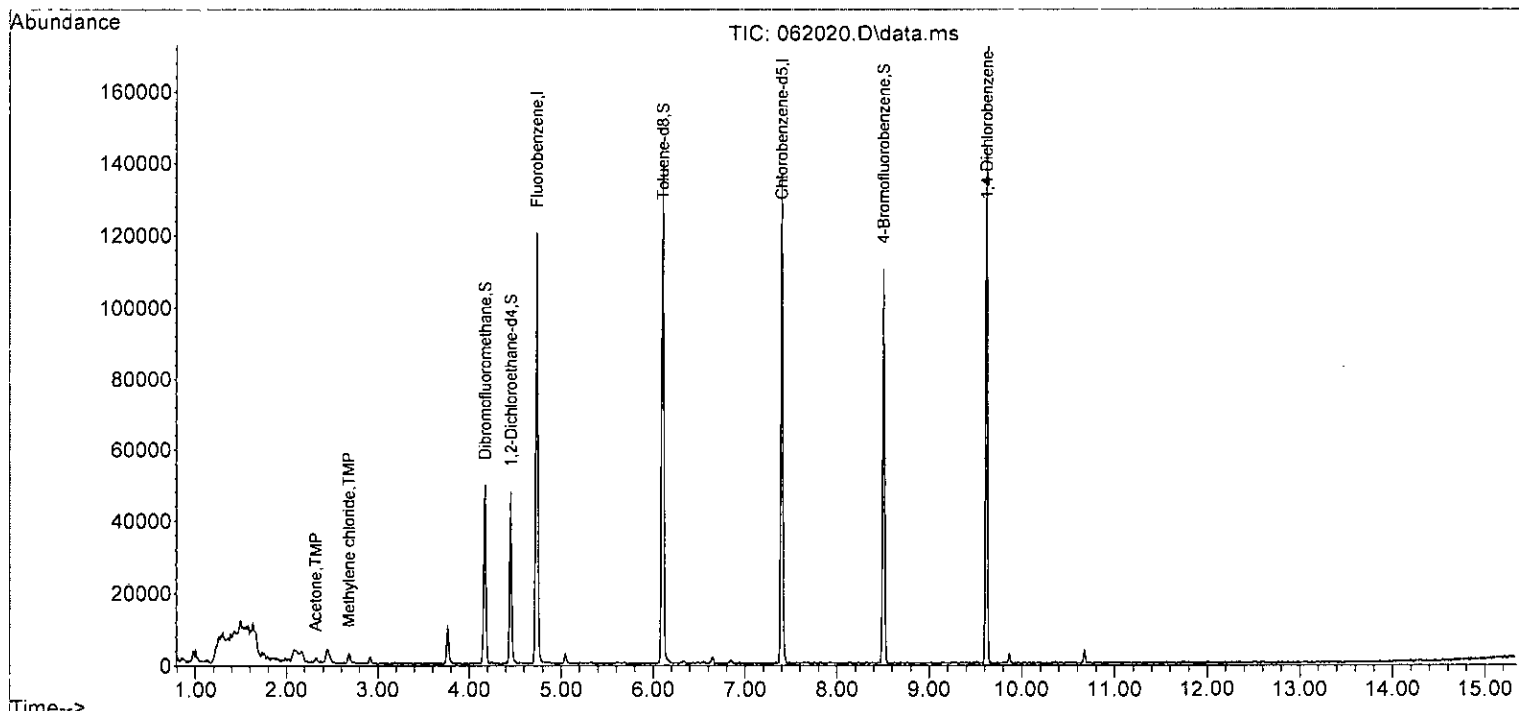
Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

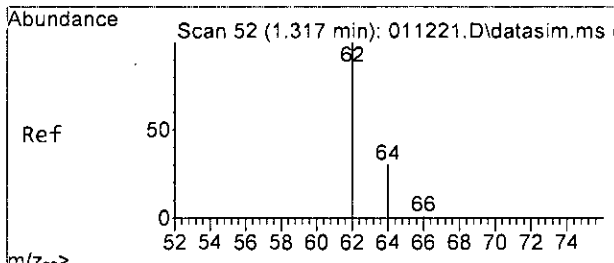
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85167 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 70932 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38153 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25719 | 9.999 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.00% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5409 | 10.177 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 101.80% | | |
| 35) Toluene-d8 | 6.10 | 98 | 81923 | 10.029 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 100.30% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28022 | 9.695 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.00% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.34 | 62 | 110 | 0.019 | ppb | | 70 |
| 8] Chloroethane | 1.65 | 64 | 272 | 0.109 | ppb | # | 1 |
| 11) Acetone | 2.32 | 58 | 366 | 1.219 | ppb | # | 57 |
| 14) Methylene chloride | 2.68 | 84 | 1445 | 0.755 | ppb | # | 77 |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 711m | 0.323 | ppb | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 3830 | 1.608 | ppb | # | 77 |
| 32] Trichloroethene | 5.04 | 95 | 692m | 0.259 | ppb | | |
| 40] Toluene | 6.15 | 92 | 56 | Below Cal | | | 92 |
| 45] Tetrachloroethene | 6.65 | 164 | 453 | 0.162 | ppb | | 97 |
| 51] m,p-Xylene | 7.64 | 106 | 61 | 0.014 | ppb | | 91 |
| ----- | | | | | | | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

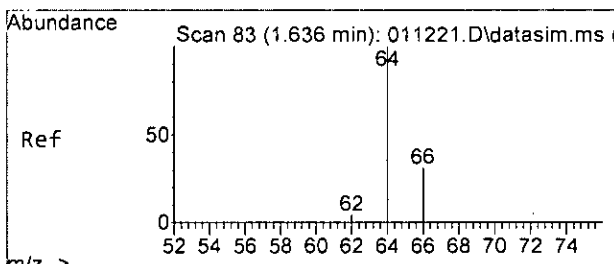
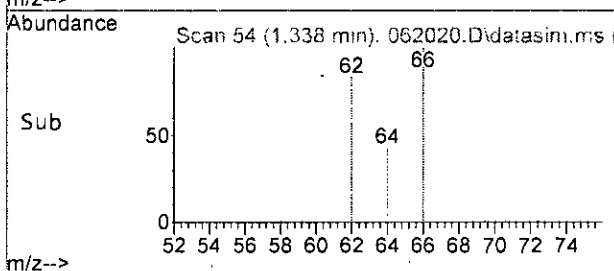
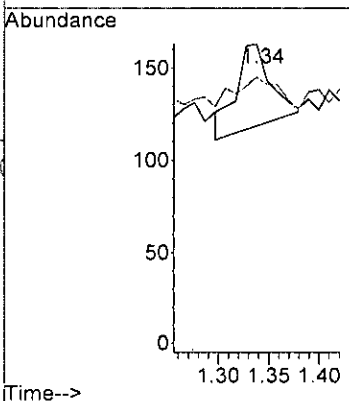
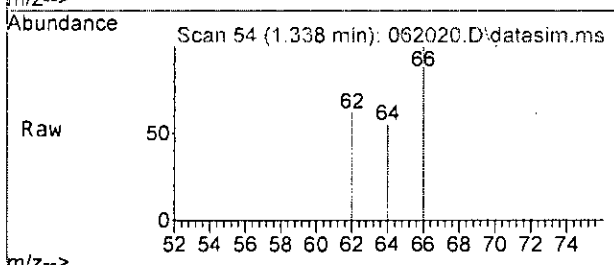
Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





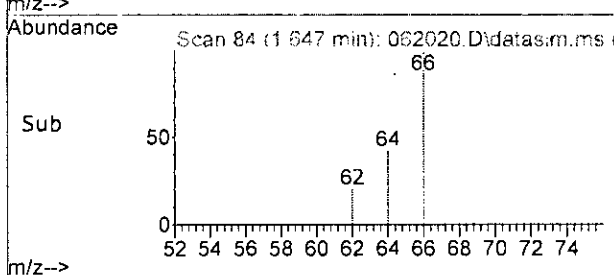
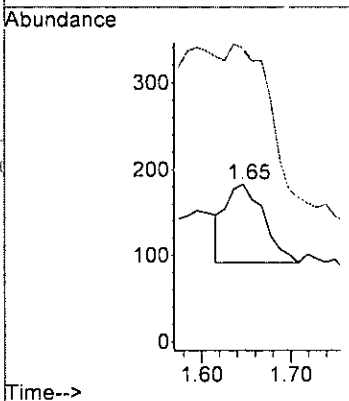
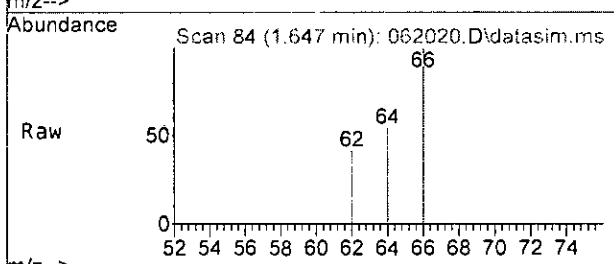
#6
 Vinyl chloride
 Concen: 0.019 ppb
 RT: 1.34 min Scan# 54
 Delta R.T. 0.010 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

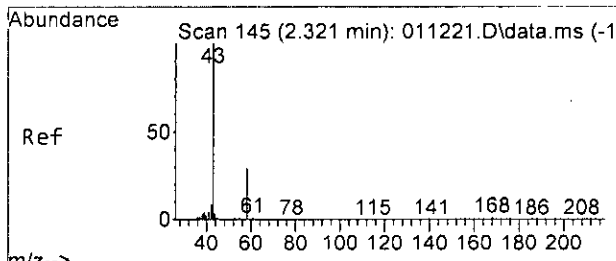
Tgt Ion: 62 Resp: 110
 Ion Ratio Lower Upper
 62 100
 64 48.6 2.0 62.0



#8
 Chloroethane
 Concen: 0.109 ppb
 RT: 1.65 min Scan# 84
 Delta R.T. 0.011 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

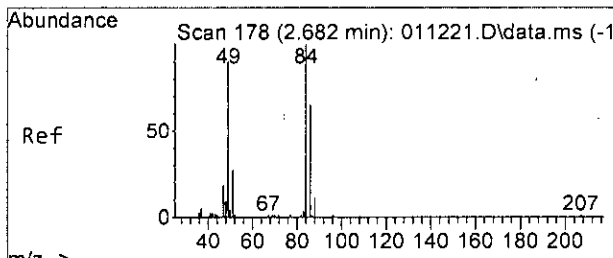
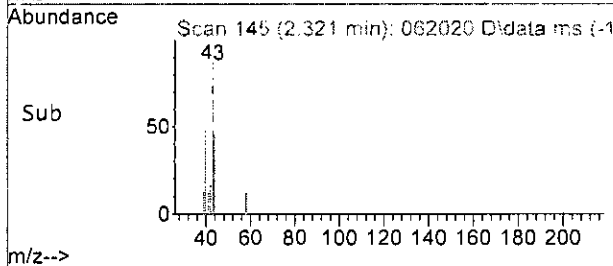
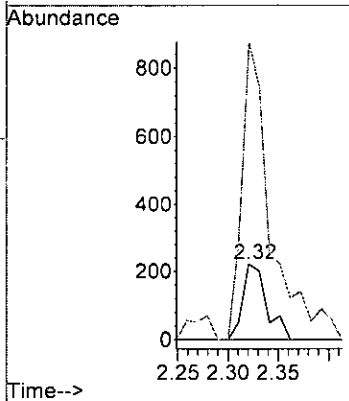
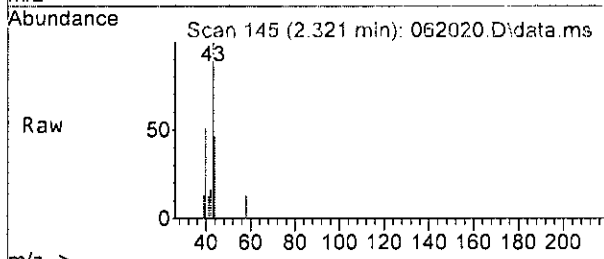
Tgt Ion: 64 Resp: 272
 Ion Ratio Lower Upper
 64 100
 66 185.9 0.0 57.9#





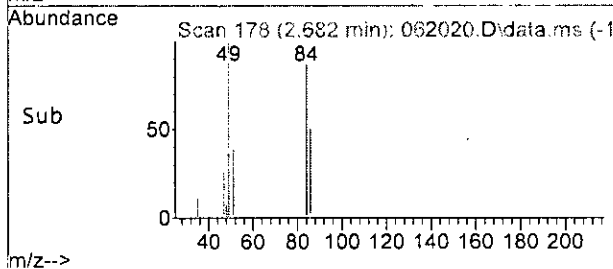
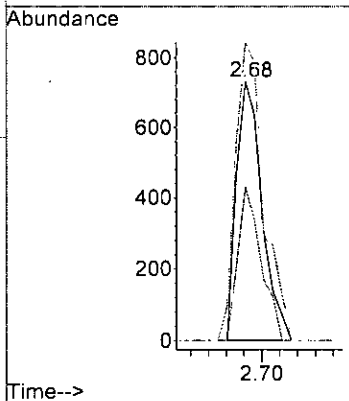
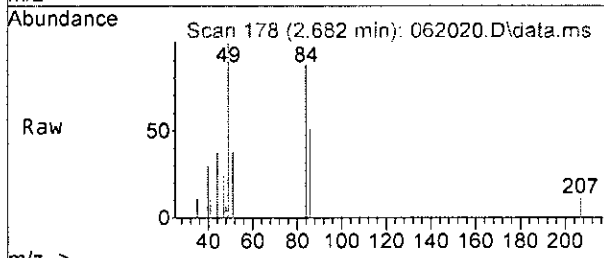
#11
 Acetone
 Concen: 1.219 ppb
 RT: 2.32 min Scan# 145
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

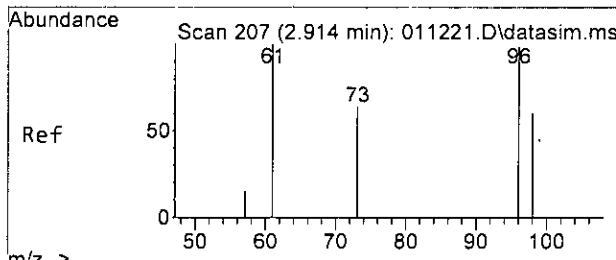
Tgt Ion: 58 Resp: 366
 Ion Ratio Lower Upper
 58 100
 43 480.1 351.7 411.7#



#14
 Methylene chloride
 Concen: 0.755 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

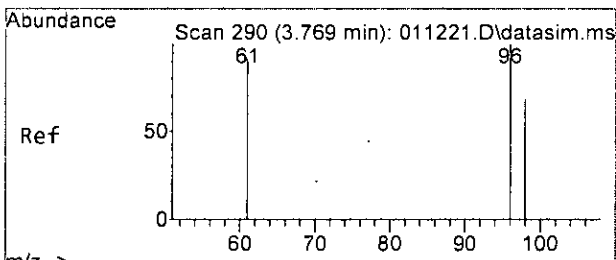
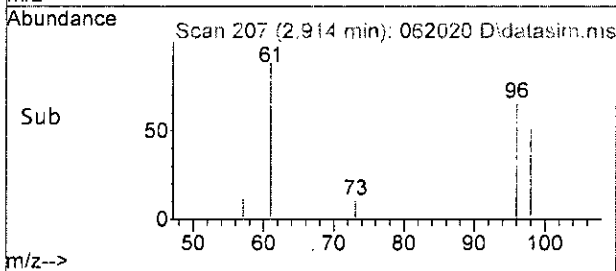
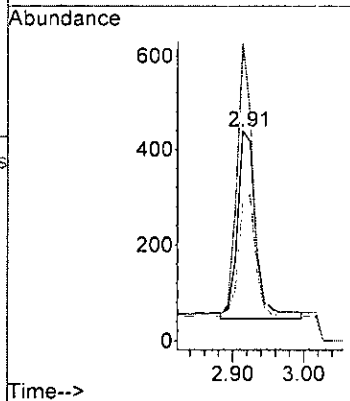
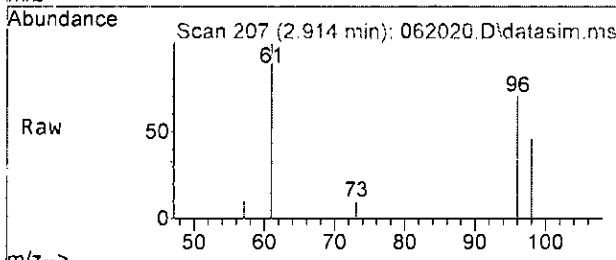
Tgt Ion: 84 Resp: 1445
 Ion Ratio Lower Upper
 84 100
 86 58.7 35.0 95.0
 49 115.2 122.5 182.5#





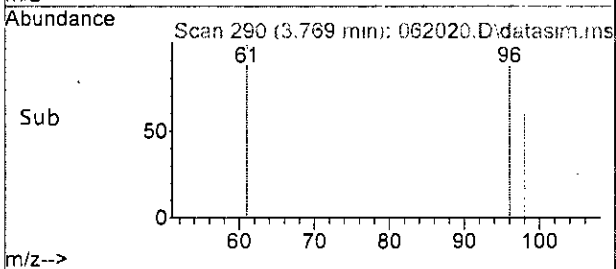
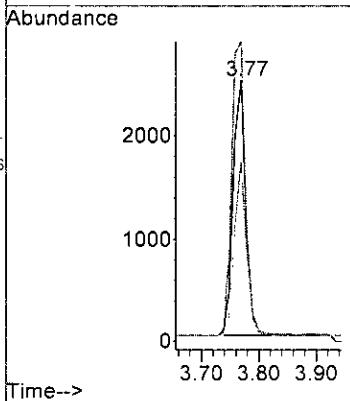
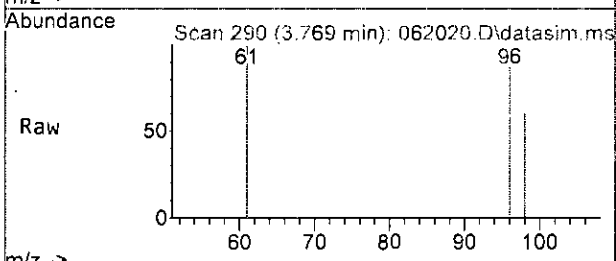
#17
 trans-1,2-Dichloroethene
 Concen: 0.323 ppb m
 RT: 2.91 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

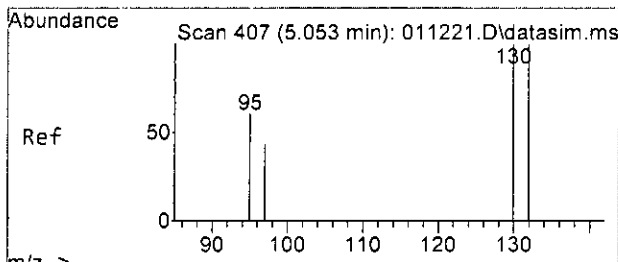
Tgt Ion: 96 Resp: 711
 Ion Ratio Lower Upper
 96 100
 61 143.3 108.7 168.7
 98 66.1 34.3 94.3



#22
 cis-1,2-Dichloroethene
 Concen: 1.608 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.011 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

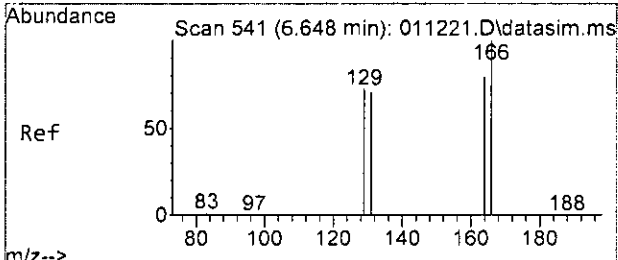
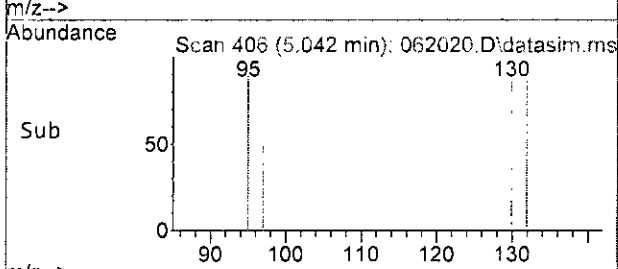
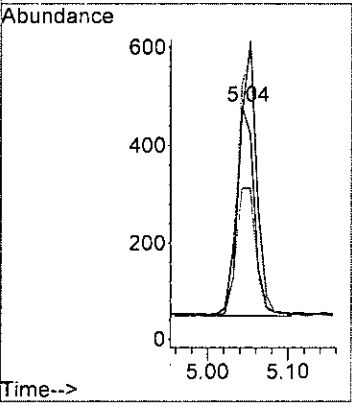
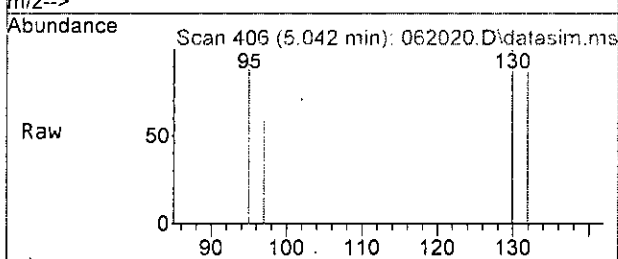
Tgt Ion: 96 Resp: 3830
 Ion Ratio Lower Upper
 96 100
 61 115.3 119.0 179.0#
 98 68.4 29.0 89.0





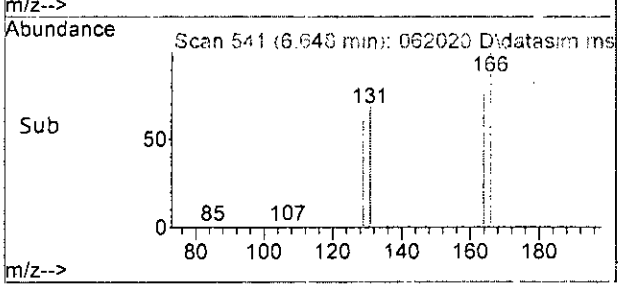
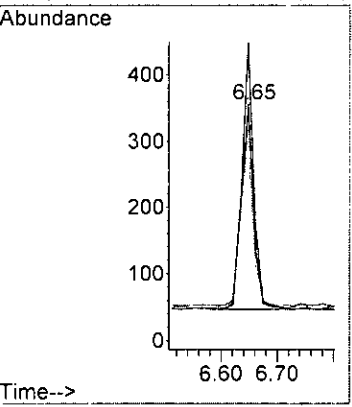
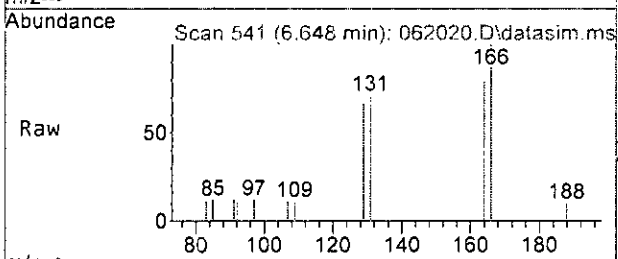
#32
 Trichloroethene
 Concen: 0.259 ppb m
 RT: 5.04 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

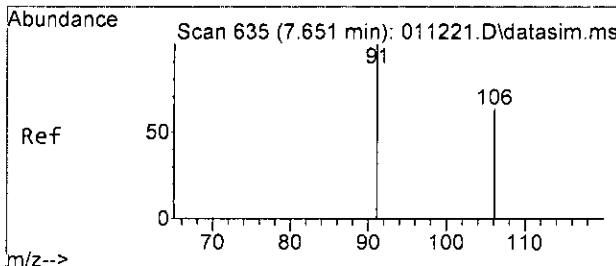
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 100 | | |
| 97 | 65.3 | 32.9 | 92.9 |
| 130 | 110.0 | 80.9 | 140.9 |
| 132 | 95.6 | 69.4 | 129.4 |



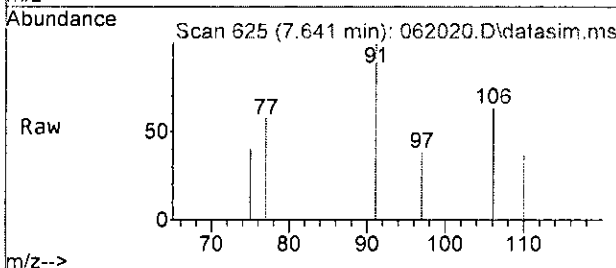
#45
 Tetrachloroethene
 Concen: 0.162 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 79.3 | 56.4 | 116.4 |
| 131 | 86.7 | 57.2 | 117.2 |
| 166 | 129.8 | 101.6 | 161.6 |

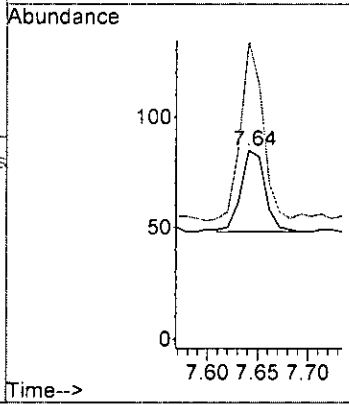
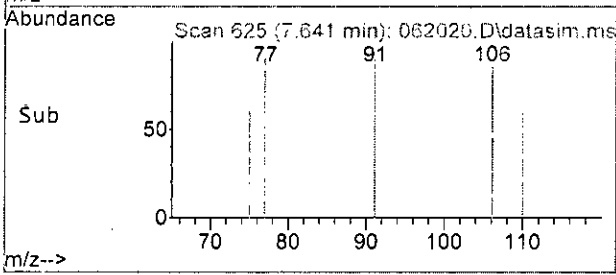




#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062020.D
 Acq: 20 Jun 2023 01:52 pm



Tgt Ion: 106 Resp: 61
 Ion Ratio Lower Upper
 106 100
 91 216.2 172.0 232.0



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|------|------|----------|--------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 85167 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 70932 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 38153 | 10.000 | ppb | 0.00 |

| | | | | | | |
|-----------------------------|--------|----------------|----------|--------|---------|------|
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25719 | 9.999 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.00% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 5409 | 10.177 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 101.80% | |
| 35) Toluene-d8 | 6.10 | 98 | 81923 | 10.029 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 100.30% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28022 | 9.695 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.00% | |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) Ethanol | 0.00 | | 0 | N.D. | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 5) Chloromethane | 1.25 | 50 | 869 | N.D. | | |
| 6] Vinyl chloride | 1.34 | 62 | 110 | 0.019 | ppb | 70 |
| 7) Bromomethane | 0.00 | | 0 | N.D. | | |
| 8] Chloroethane | 1.65 | 64 | 272 | 0.109 | ppb # | 1 |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 10) 2-Propanol | 0.00 | | 0 | N.D. | | |
| 11) Acetone | 2.32 | 58 | 366 | 1.219 | ppb # | 57 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. | d | |
| 13) Hexane | 0.00 | | 0 | N.D. | | |
| 14) Methylene chloride | 2.68 | 84 | 1445 | 0.755 | ppb # | 77 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 17] trans-1,2-Dichloroethene | 2.91 | 96 | 711m | 0.323 | ppb | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 3830 | 1.608 | ppb # | 77 |
| 23) Chloroform | 0.00 | | 0 | N.D. | | |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 149 | N.D. | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | |
| 26) 1,2-Dichloroethane (EDC) | 4.52 | 62 | 87 | N.D. | | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | |
| 31) Benzene | 4.50 | 78 | 43 | N.D. | | |
| 32] Trichloroethene | 5.04 | 95 | 692m | 0.259 | ppb | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

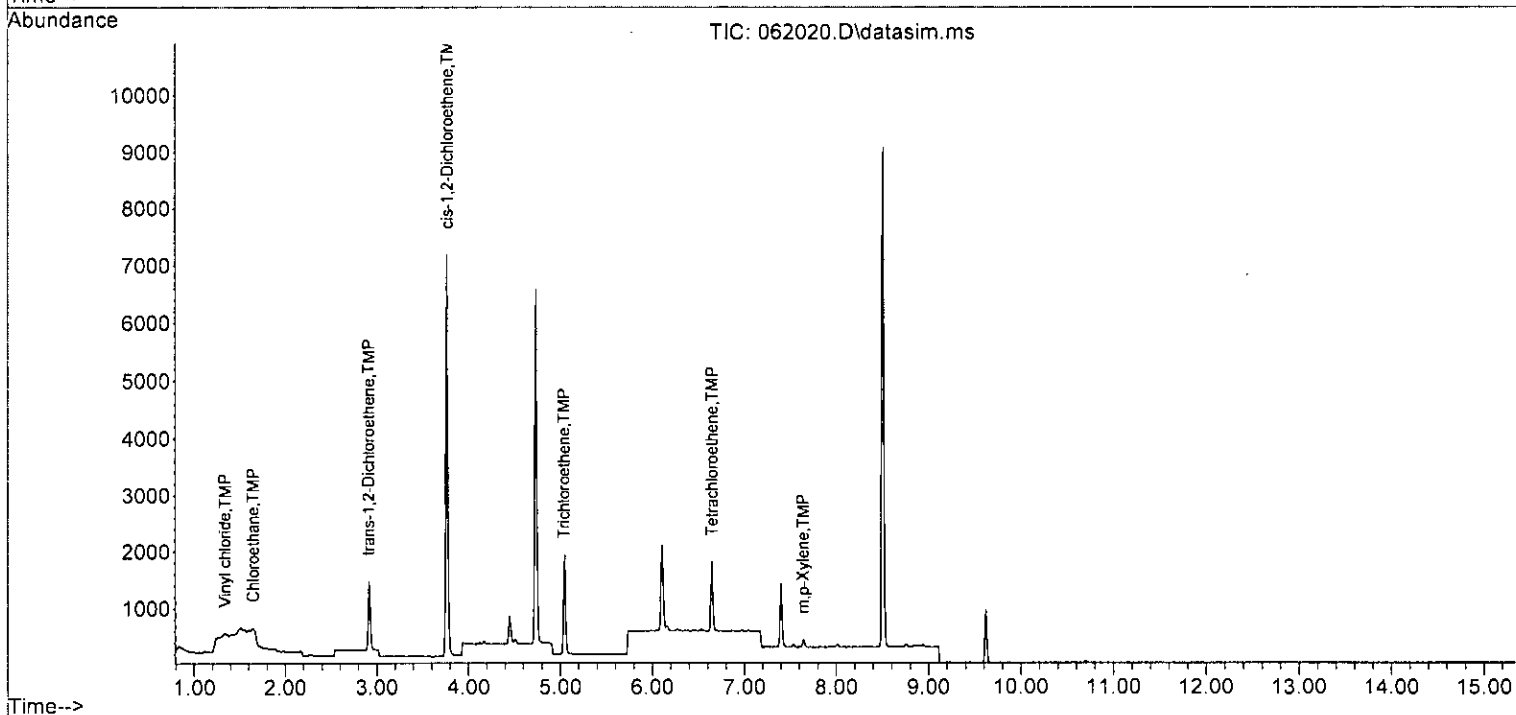
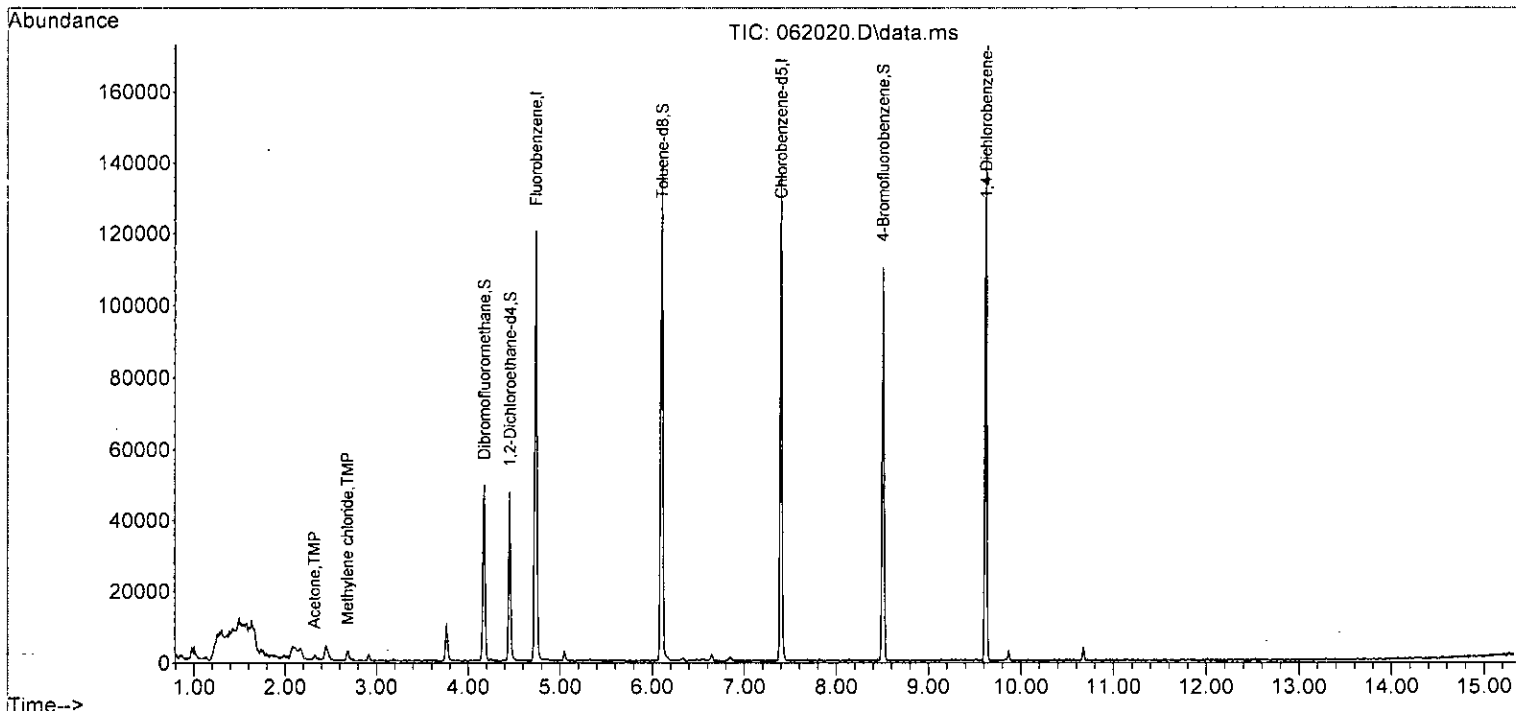
Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.15 | 92 | 56 | Below Cal | | 92 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.53 | 83 | 57 | | N.D. | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 453 | 0.162 | ppb | 97 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 59 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 61 | 0.014 | ppb | 91 |
| 52) o-Xylene | 8.01 | 106 | 25 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.93 | 91 | 32 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 0.00 | | 0 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.93 | 91 | 32 | | N.D. | |
| 64) 4-Chlorotoluene | 8.93 | 91 | 32 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 157 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 157 | | N.D. | |
| 68) p-Isopropyltoluene | 9.60 | 119 | 21 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 39 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062020.D
 Acq On : 20 Jun 2023 01:52 pm
 Operator : MD
 Sample : 306243-08
 Misc : water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

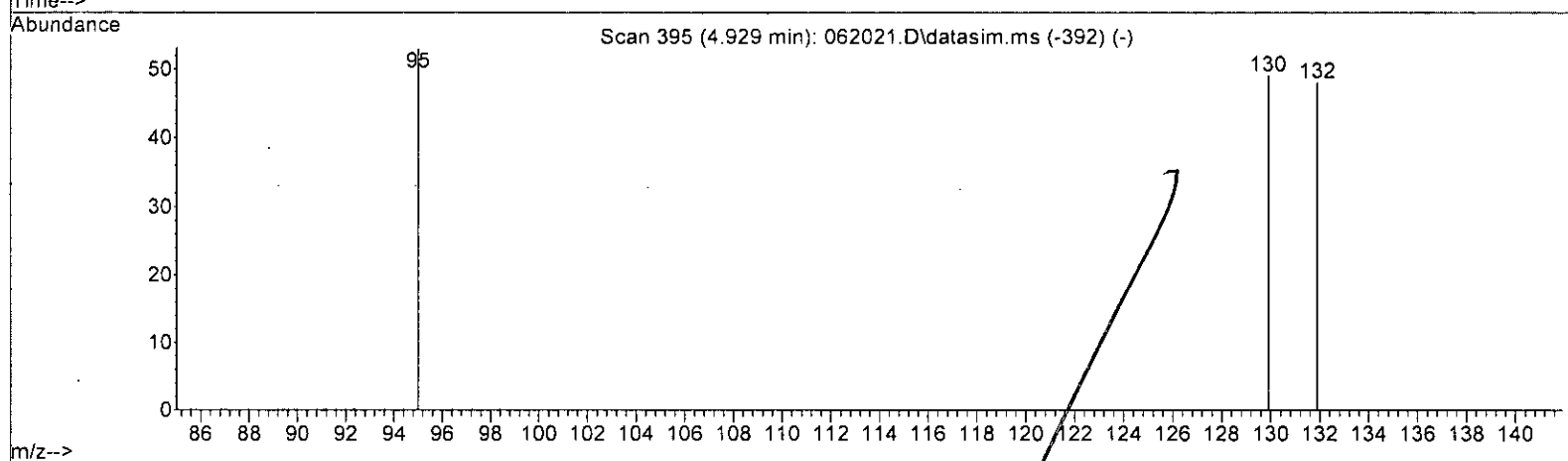
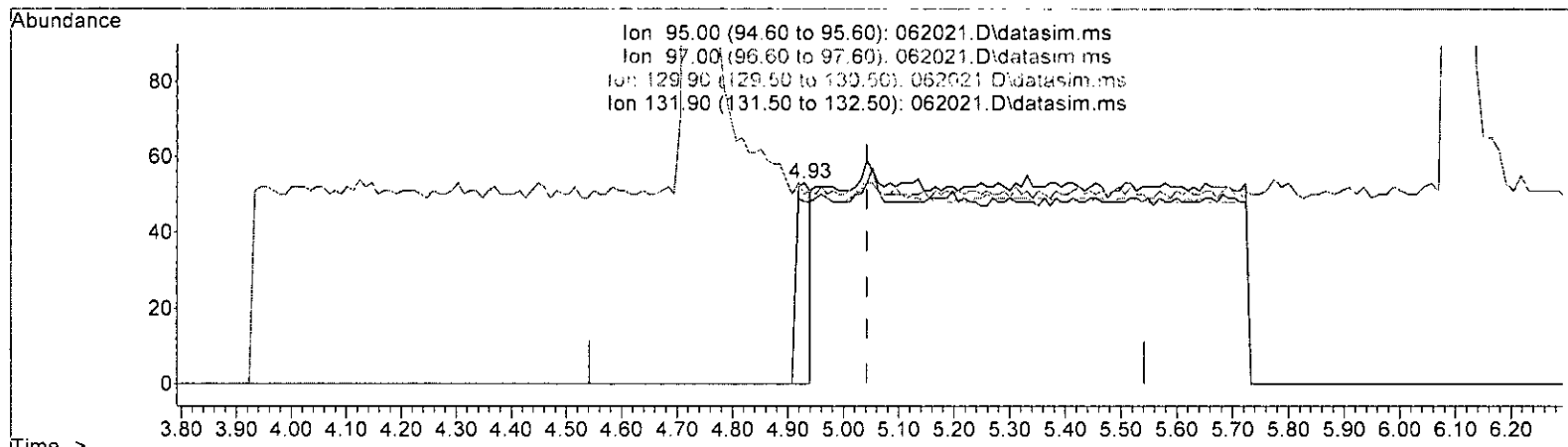
Quant Time: Jun 21 08:21:01 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062021.D\data.ms

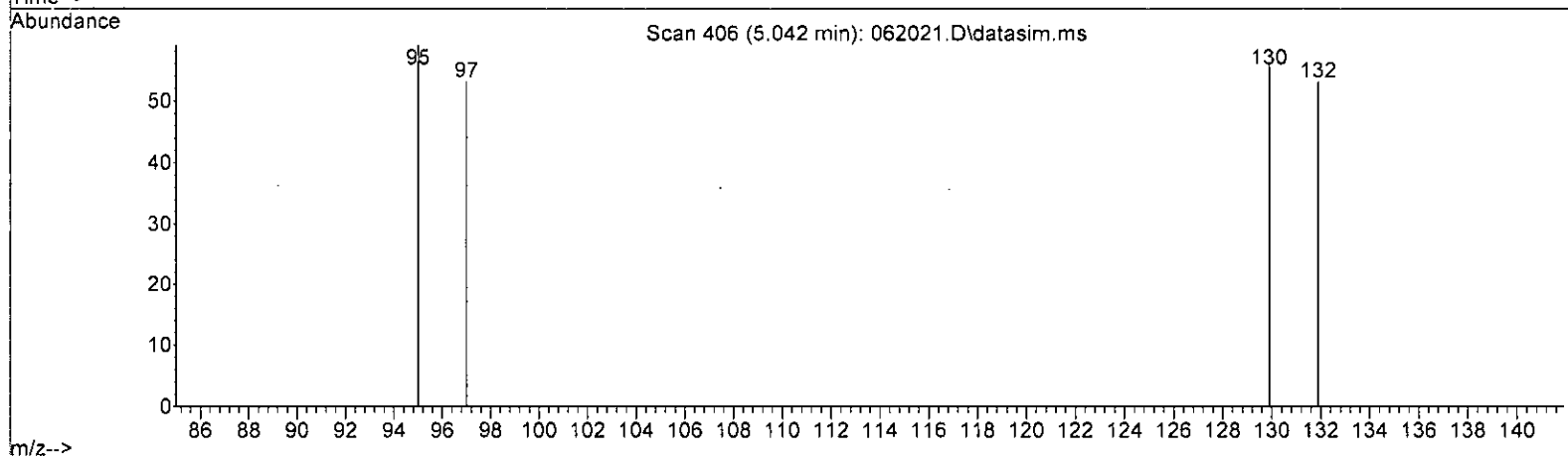
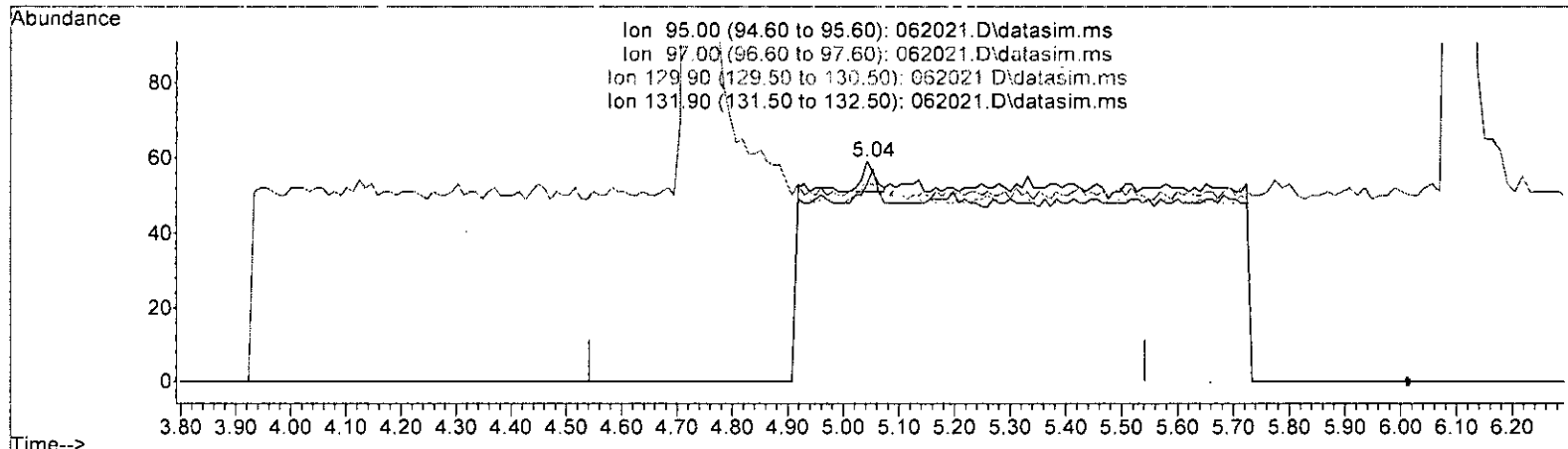
| (32) Trichloroethene (TMP) | | | |
|----------------------------|----------|--------|-----|
| 4.929min | (-0.113) | 0.034 | ppb |
| response | 101 | | |
| Ion | Exp% | Act% | |
| 95.00 | 100.00 | 100.00 | |
| 97.00 | 62.90 | 0.00# | |
| 129.90 | 110.90 | 92.45 | |
| 131.90 | 99.40 | 90.57 | |

MD/21

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



TIC: 062021.D\data.ms

(32) Trichloroethene (TMP)

5.042min (+ 0.000) -0.001 ppb m

response 12 -

| Ion | Exp% | Act% |
|--------|--------|--------|
| 95.00 | 100.00 | 100.00 |
| 97.00 | 62.90 | 89.83 |
| 129.90 | 110.90 | 94.92 |
| 131.90 | 99.40 | 89.83 |

Md/21

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

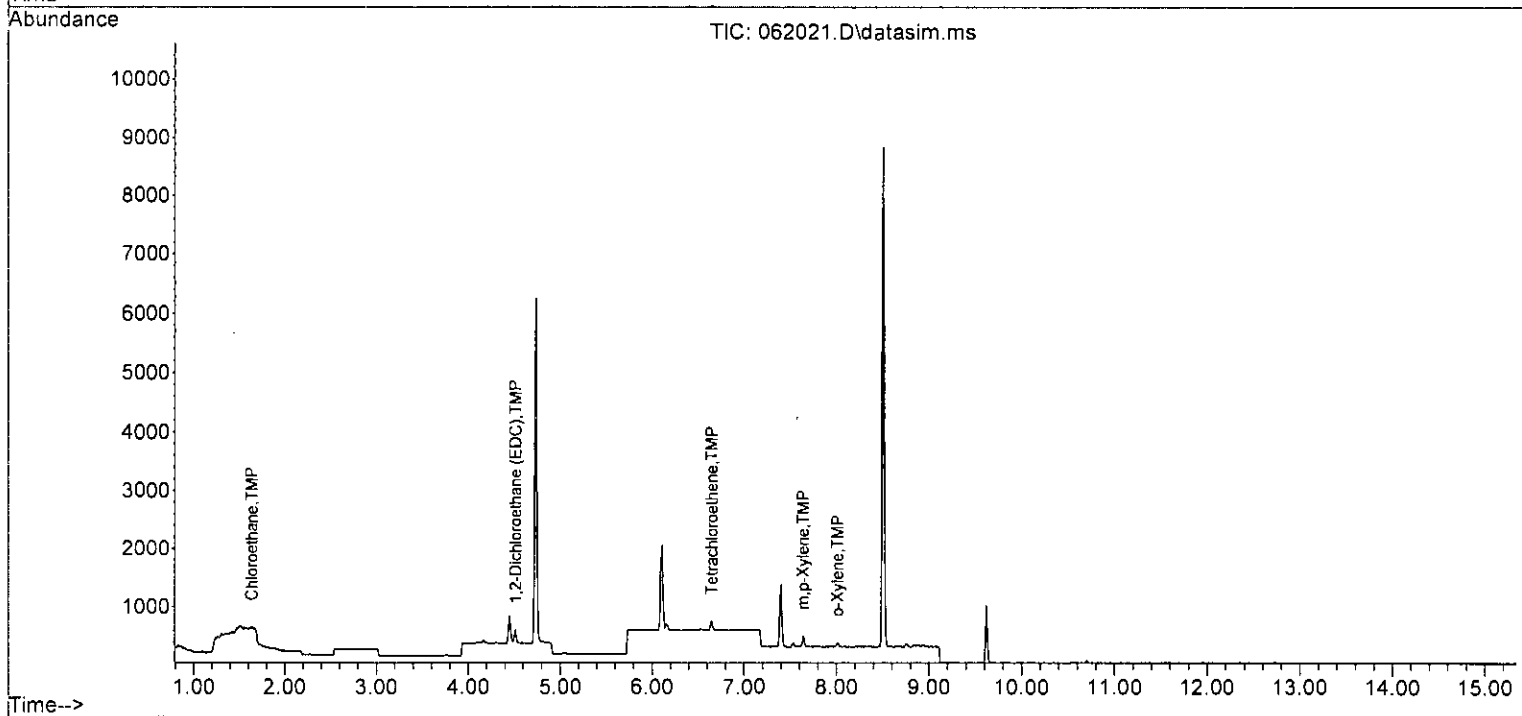
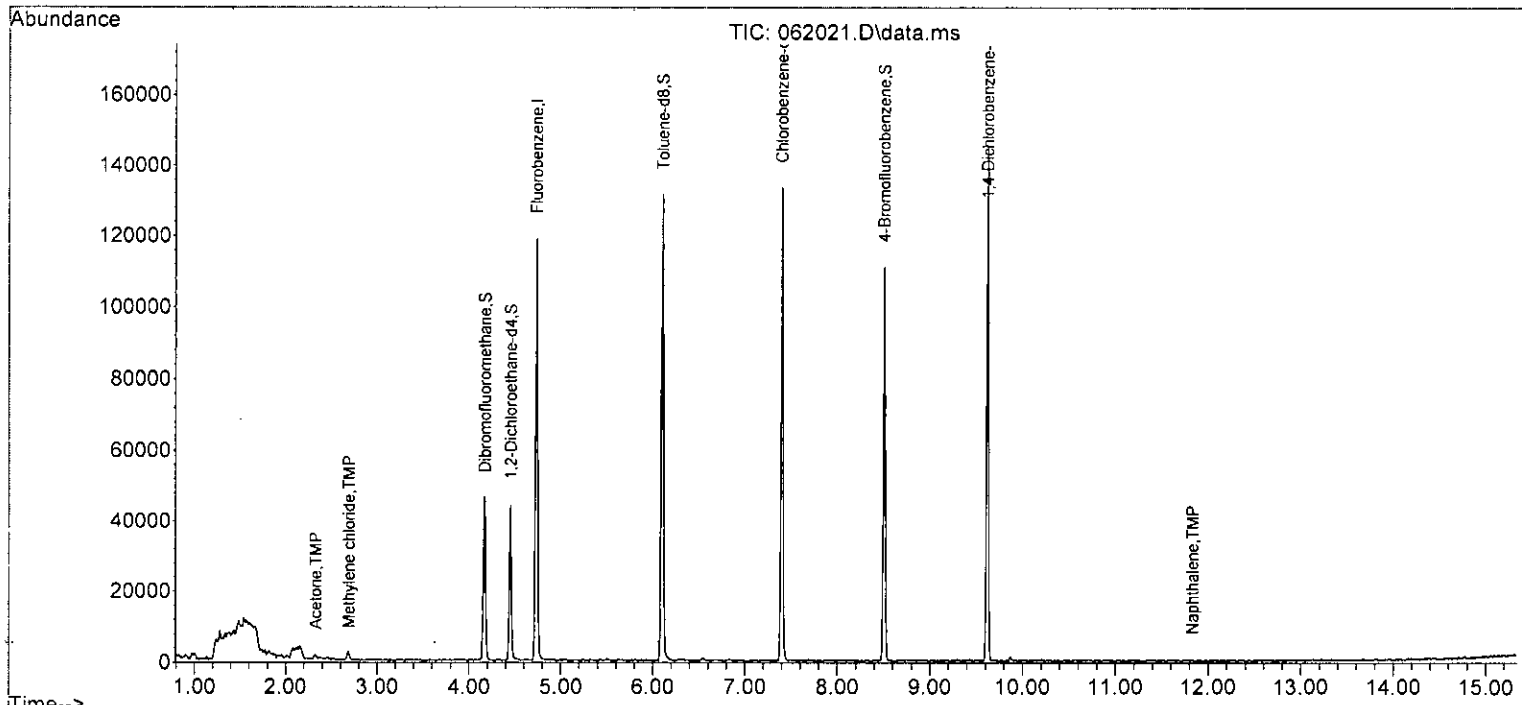
Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

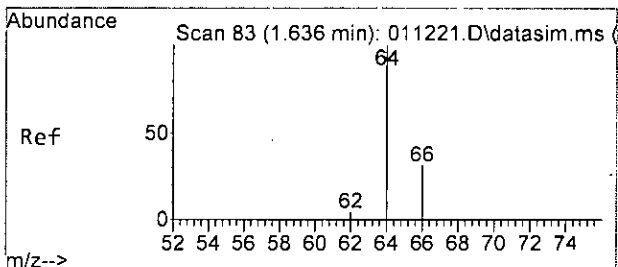
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|-----------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 82039 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68736 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37258 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25513 | 10.297 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.00% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4998 | 9.762 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 97.60% | |
| 35) Toluene-d8 | 6.11 | 98 | 80905 | 10.282 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 102.80% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28188 | 9.987 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 99.90% | |
| Target Compounds | | | | | | |
| 8] Chloroethane | 1.64 | 64 | 364 | 0.152 | ppb # | 1 |
| 11) Acetone | 2.33 | 58 | 449 | 1.552 | ppb | 94 |
| 14) Methylene chloride | 2.69 | 84 | 960 | 0.521 | ppb # | 52 |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 262 | 0.059 | ppb | 95 |
| 40] Toluene | 6.16 | 92 | 64 | Below Cal | # | 71 |
| 45] Tetrachloroethene | 6.65 | 164 | 73 | 0.019 | ppb | 89 |
| 51] m,p-Xylene | 7.64 | 106 | 94 | 0.023 | ppb | 85 |
| 52] o-Xylene | 8.01 | 106 | 42 | 0.011 | ppb | 92 |
| 75) Naphthalene | 11.83 | 128 | 169 | 0.021 | ppb | 70 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

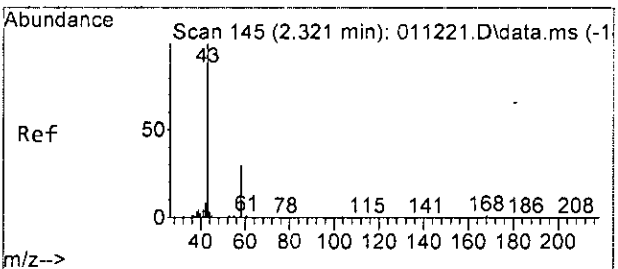
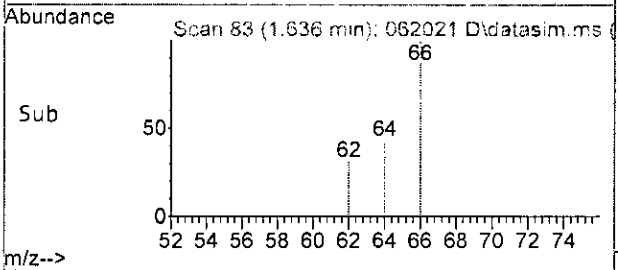
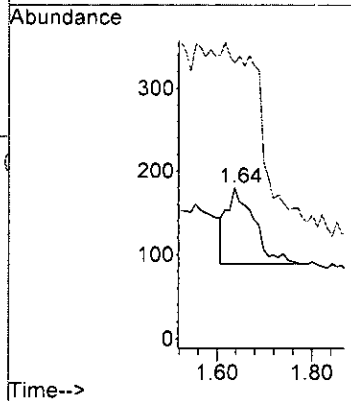
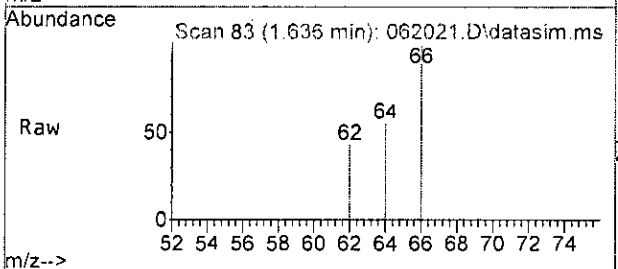
Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





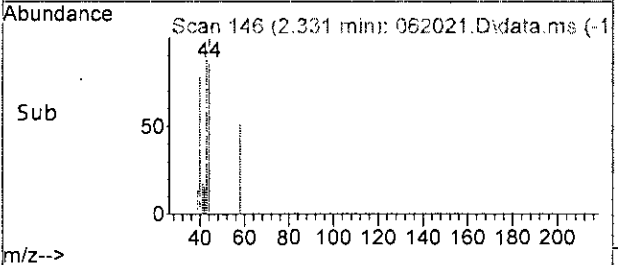
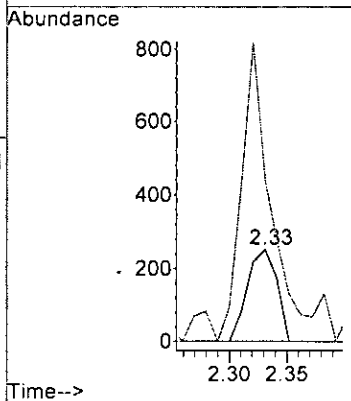
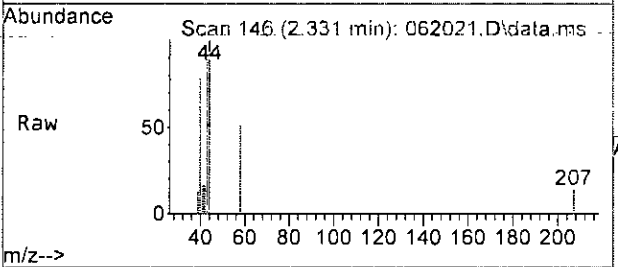
#8
 Chloroethane
 Concen: 0.152 ppb
 RT: 1.64 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

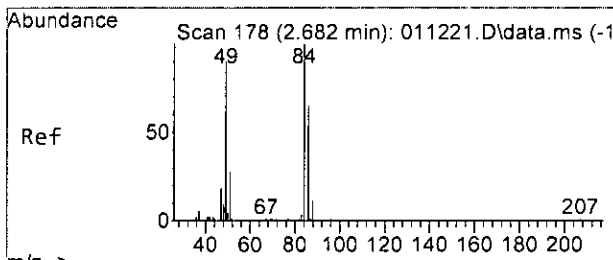
Tgt Ion: 64 Resp: 364
 Ion Ratio Lower Upper
 64 100
 66 205.5 0.0 57.9#



#11
 Acetone
 Concen: 1.552 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.010 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

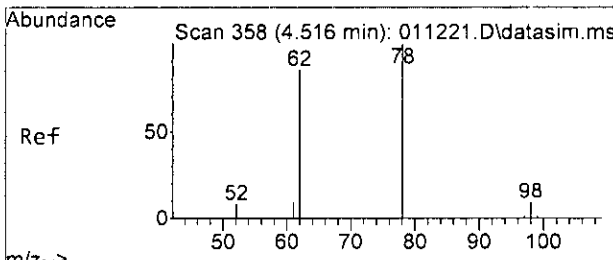
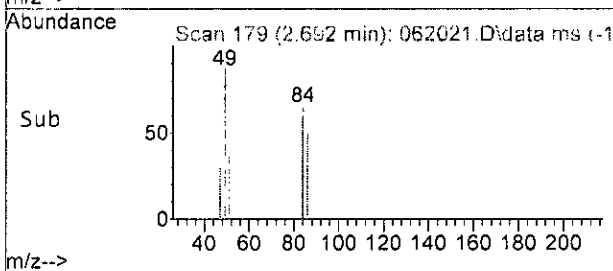
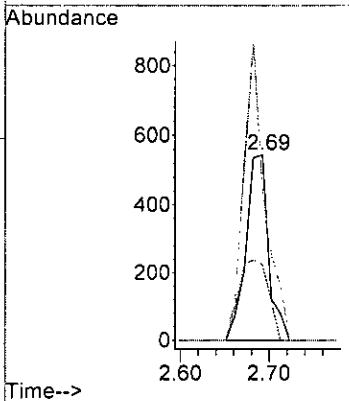
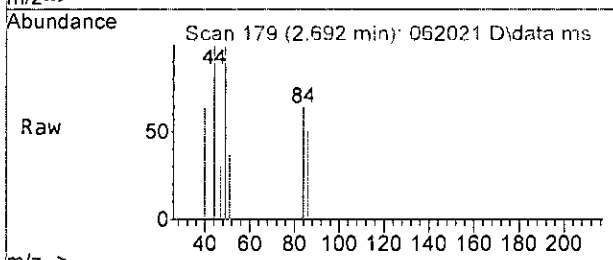
Tgt Ion: 58 Resp: 449
 Ion Ratio Lower Upper
 58 100
 43 367.9 351.7 411.7





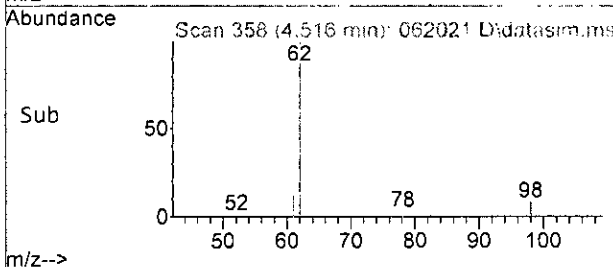
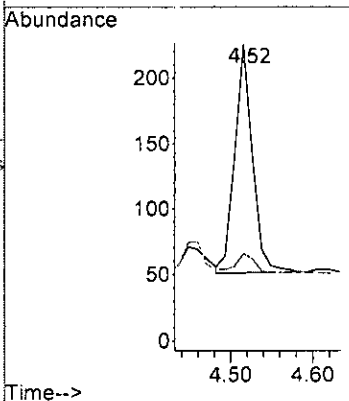
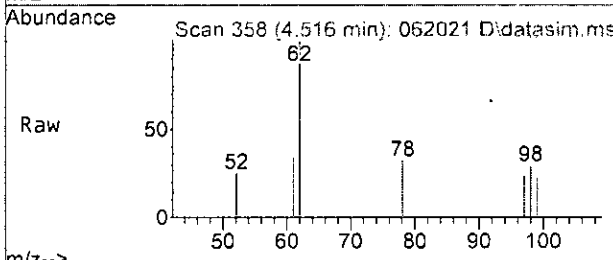
#14
 Methylene chloride
 Concen: 0.521 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.011 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

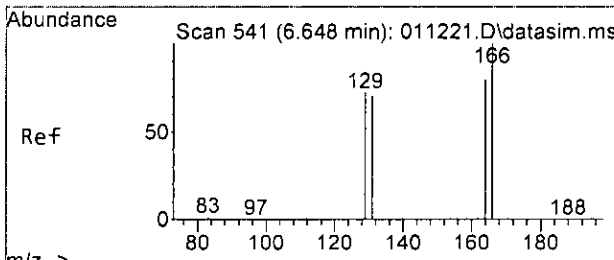
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 84 | 100 | | |
| 86 | 41.4 | 35.0 | 95.0 |
| 49 | 80.9 | 122.5 | 182.5# |



#26
 1,2-Dichloroethane (EDC)
 Concen: 0.059 ppb
 RT: 4.52 min Scan# 358
 Delta R.T. 0.001 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

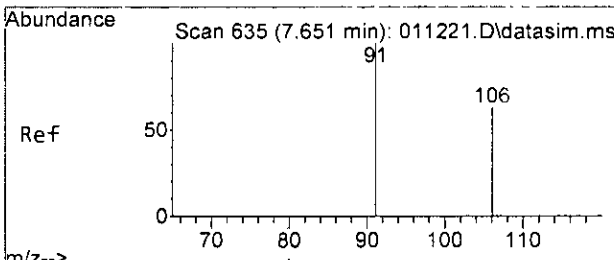
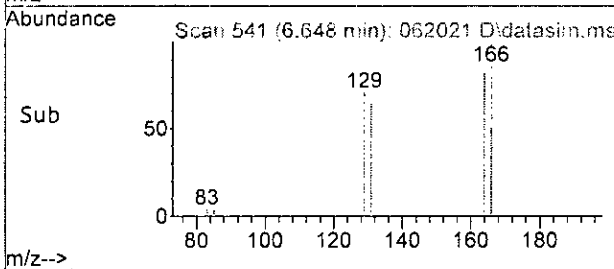
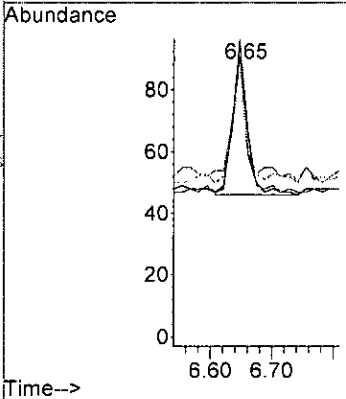
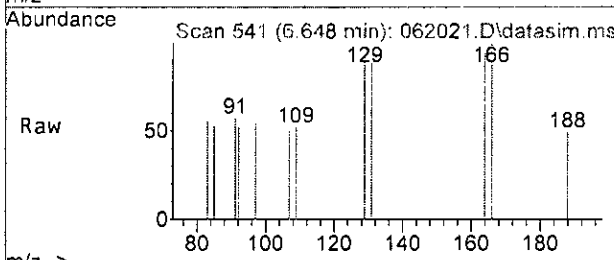
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 98 | 7.5 | 0.0 | 39.2 |





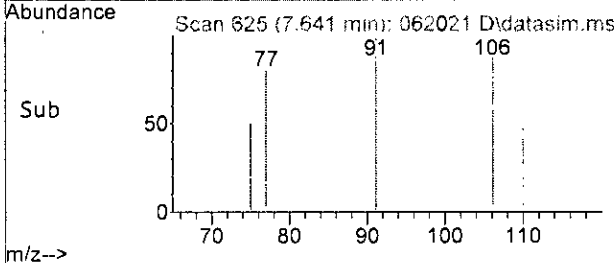
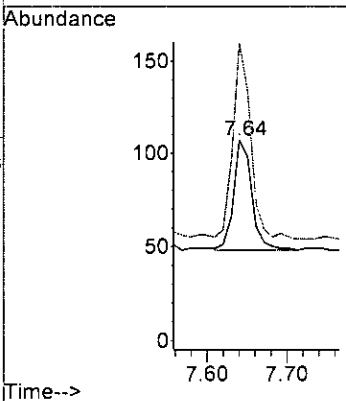
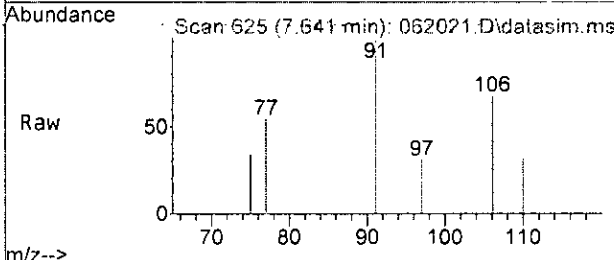
#45
 Tetrachloroethene
 Concen: 0.019 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

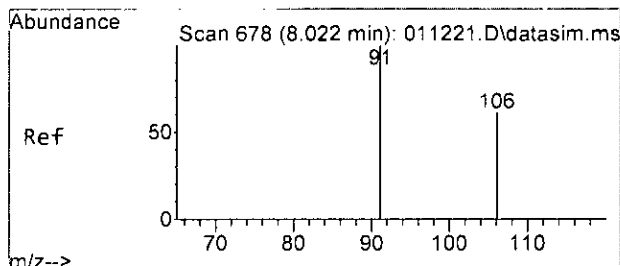
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 164 | 100 | | |
| 129 | 86.4 | 56.4 | 116.4 |
| 131 | 77.3 | 57.2 | 117.2 |
| 166 | 111.4 | 101.6 | 161.6 |



#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.64 min Scan# 625
 Delta R.T. 0.000 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

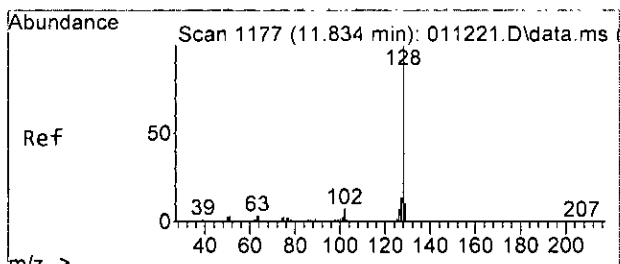
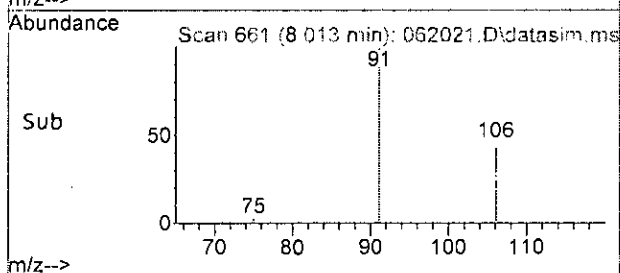
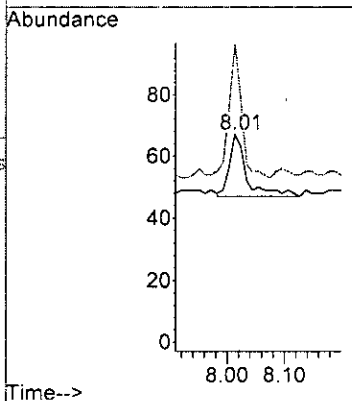
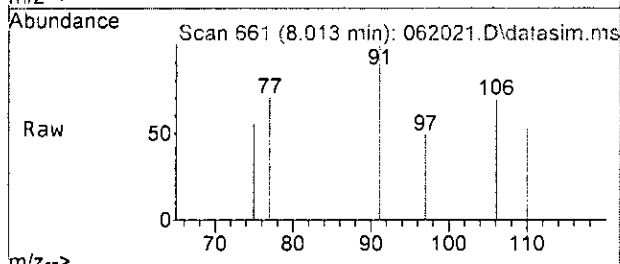
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 179.7 | 172.0 | 232.0 |





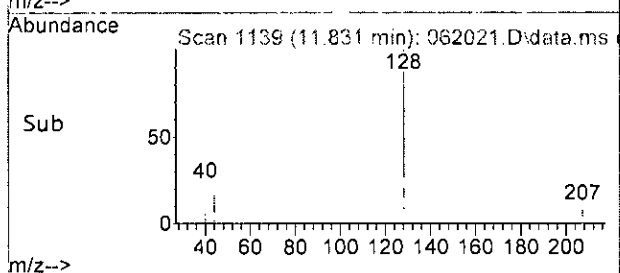
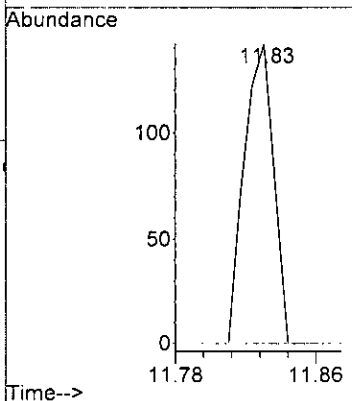
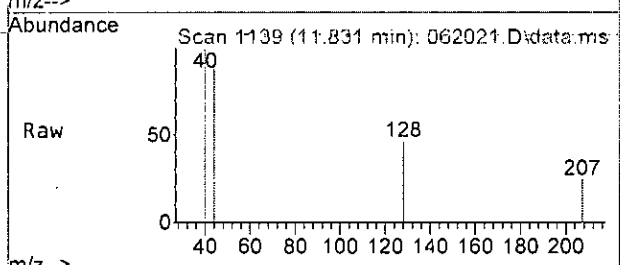
#52
 o-Xylene
 Concen: 0.011 ppb
 RT: 8.01 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

Tgt Ion: 106 Resp: 42
 Ion Ratio Lower Upper
 106 100
 91 215.0 172.7 232.7



#75
 Naphthalene
 Concen: 0.021 ppb
 RT: 11.83 min Scan# 1139
 Delta R.T. 0.000 min
 Lab File: 062021.D
 Acq: 20 Jun 2023 02:15 pm

Tgt Ion: 128 Resp: 169
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.6
 127 0.0 0.0 42.5



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|--------|----------------|----------|-------------|---------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 82039 | 10.000 | ppb | 0.00 |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 68736 | 10.000 | ppb | 0.00 |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 37258 | 10.000 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 25513 | 10.297 | ppb | 0.01 |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 103.00% | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4998 | 9.762 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 97.60% | |
| 35) Toluene-d8 | 6.11 | 98 | 80905 | 10.282 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 102.80% | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 28188 | 9.987 | ppb | 0.00 |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 99.90% | |
| Target Compounds | | | | | | |
| 2) Ethanol | 2.28 | 45 | 36 | No Calib | | Qvalue |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | |
| 5) Chloromethane | 1.25 | 50 | 1264 | N.D. | | |
| 6) Vinyl chloride | 0.00 | | 0 | N.D. d | | |
| 7) Bromomethane | 0.00 | | 0 | N.D. | | |
| 8] Chloroethane | 1.64 | 64 | 364 | 0.152 ppb # | | 1 |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | |
| 10) 2-Propanol | 2.28 | 45 | 36 | No Calib | | |
| 11) Acetone | 2.33 | 58 | 449 | 1.552 ppb | | 94 |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. d | | |
| 13) Hexane | 0.00 | | 0 | N.D. | | |
| 14) Methylene chloride | 2.69 | 84 | 960 | 0.521 ppb # | | 52 |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | |
| 17) trans-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | |
| 21) 2,2-Dichloropropane | 0.00 | | 0 | N.D. | | |
| 22) cis-1,2-Dichloroethene | 0.00 | | 0 | N.D. | | |
| 23) Chloroform | 0.00 | | 0 | N.D. | | |
| 24) 2-Butanone (MEK) | 0.00 | | 0 | N.D. d | | |
| 25) t-Amyl methyl ether (T...) | 0.00 | | 0 | N.D. | | |
| 26] 1,2-Dichloroethane (EDC) | 4.52 | 62 | 262 | 0.059 ppb | | 95 |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | |
| 31) Benzene | 0.00 | | 0 | N.D. | | |
| 32) Trichloroethene | 0.00 | | 0 | N.D. d | | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

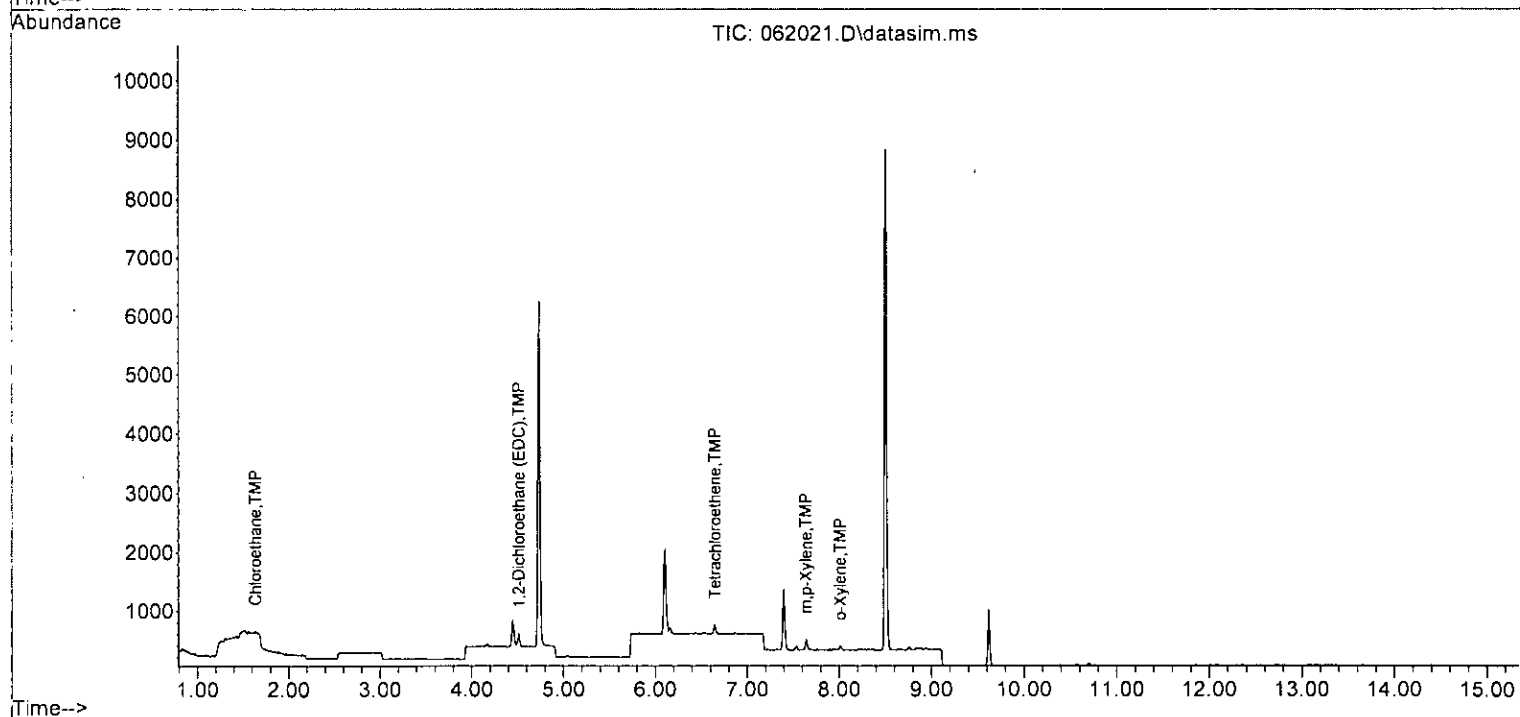
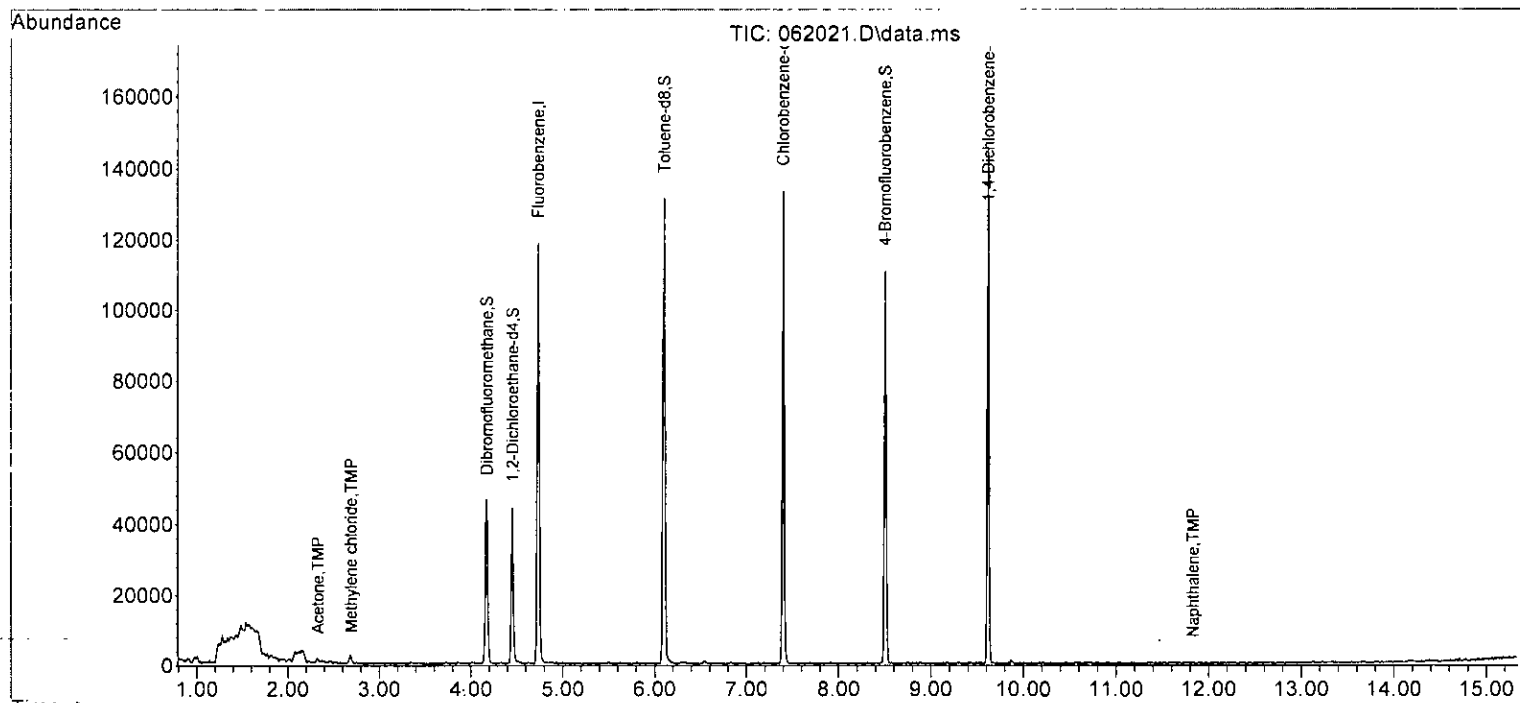
Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-----------|-------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 64 | Below Cal | # | 71 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.53 | 83 | 35 | | N.D. | |
| 43) 2-Hexanone | 6.72 | 43 | 174 | | N.D. | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 73 | 0.019 | ppb | 89 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49) Ethylbenzene | 7.54 | 91 | 71 | | N.D. | |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.64 | 106 | 94 | 0.023 | ppb | 85 |
| 52] o-Xylene | 8.01 | 106 | 42 | 0.011 | ppb | 92 |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 0.00 | | 0 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 0.00 | | 0 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.85 | 105 | 110 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 64) 4-Chlorotoluene | 0.00 | | 0 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 132 | | N.D. | |
| 67) sec-Butylbenzene | 9.29 | 105 | 132 | | N.D. | |
| 68) p-Isopropyltoluene | 9.61 | 119 | 54 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.83 | 128 | 169 | 0.021 | ppb | 70 |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062021.D
 Acq On : 20 Jun 2023 02:15 pm
 Operator : MD
 Sample : 306243-09
 Misc : water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:05 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062026.D
 Acq On : 20 Jun 2023 04:11 pm
 Operator : MD
 Sample : 306243-10 1/10
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

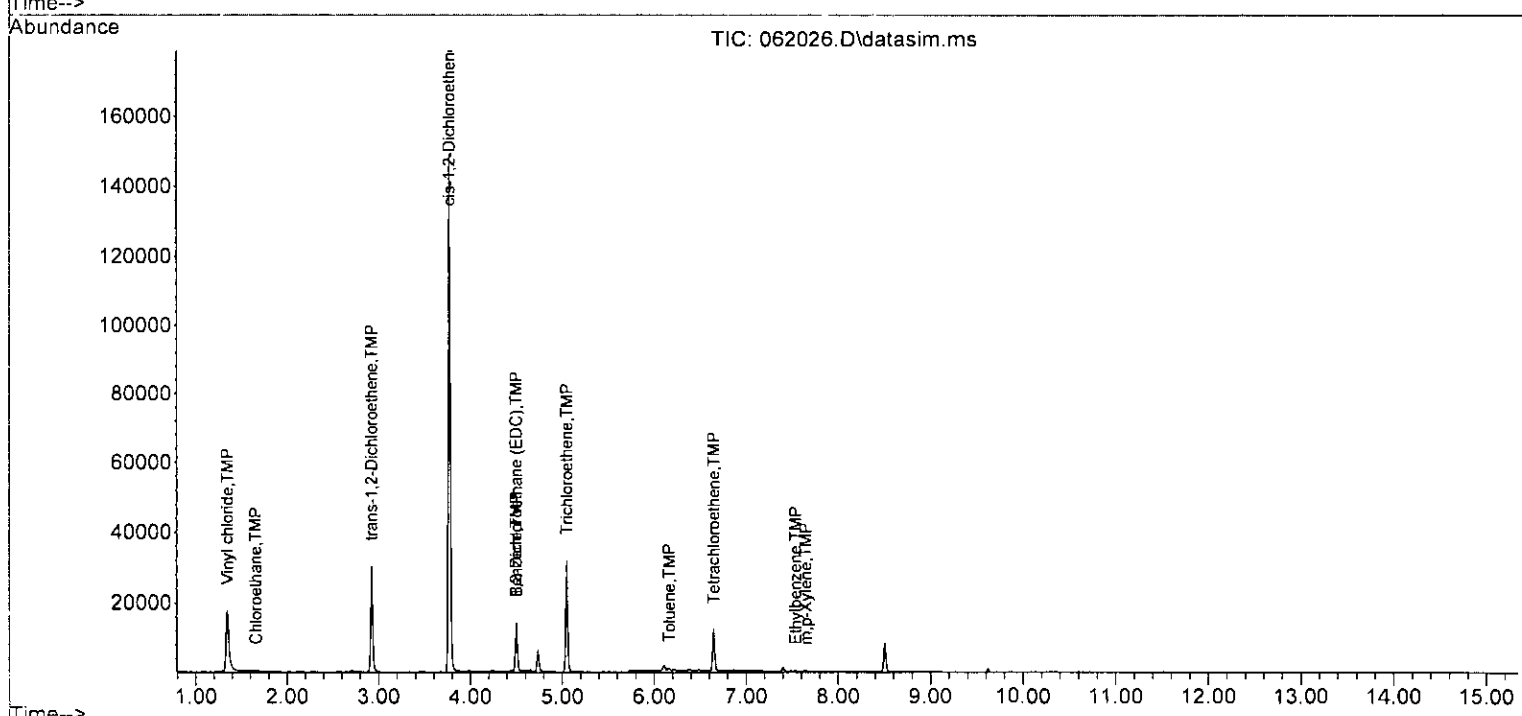
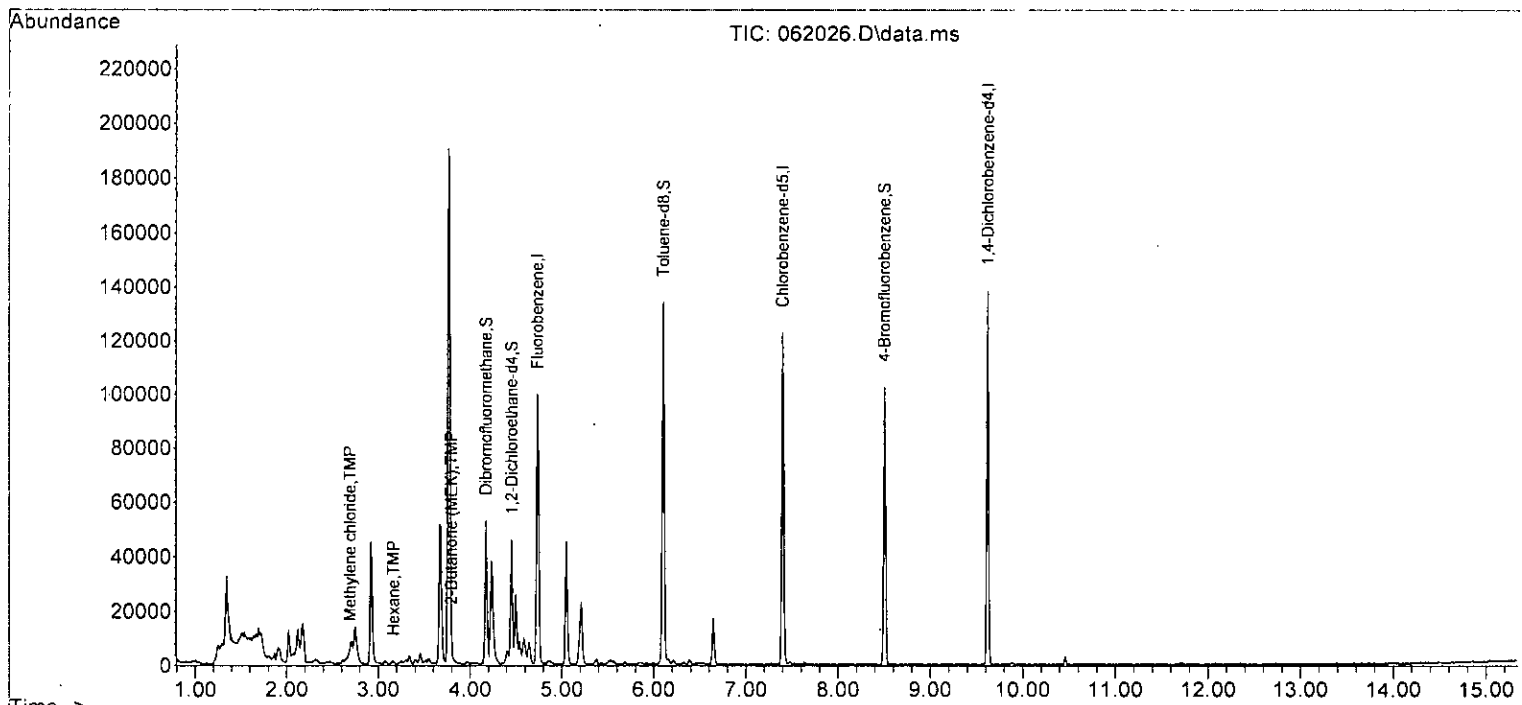
Quant Time: Jun 21 08:21:25 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

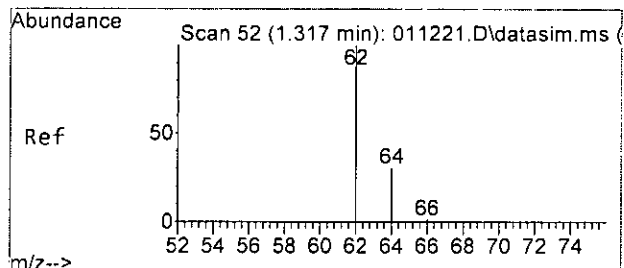
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 79061 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 65005 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 35564 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 23980 | 10.043 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.40% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4485 | 9.090 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 90.90% | | |
| 35) Toluene-d8 | 6.10 | 98 | 73746 | 9.725 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 26166 | 9.712 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.10% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 6] Vinyl chloride | 1.35 | 62 | 32493 | 6.640 | ppb | | 98 |
| 8] Chloroethane | 1.66 | 64 | 291 | 0.126 | ppb | # | 1 |
| 13] Hexane | 3.17 | 57 | 443 | 0.163 | ppb | # | 60 |
| 14) Methylene chloride | 2.69 | 84 | 894 | 0.503 | ppb | | 89 |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 13997 | 6.846 | ppb | | 99 |
| 21) 2,2-Dichloropropane | 3.80 | 77 | 69 | Below Cal | | | 46 |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 78376 | 35.450 | ppb | | 86 |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 386 | 0.269 | ppb | | 65 |
| 26] 1,2-Dichloroethane (EDC) | 4.50 | 62 | 264 | 0.063 | ppb | | 75 |
| 31] Benzene | 4.50 | 78 | 17204 | 2.371 | ppb | | 96 |
| 32] Trichloroethene | 5.05 | 95 | 11620 | 4.777 | ppb | # | 73 |
| 40] Toluene | 6.16 | 92 | 416 | 0.070 | ppb | | 92 |
| 45] Tetrachloroethene | 6.65 | 164 | 4209 | 1.726 | ppb | | 97 |
| 49] Ethylbenzene | 7.54 | 91 | 221 | 0.023 | ppb | | 97 |
| 51] m,p-Xylene | 7.65 | 106 | 83 | 0.021 | ppb | | 83 |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062026.D
 Acq On : 20 Jun 2023 04:11 pm
 Operator : MD
 Sample : 306243-10 1/10
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

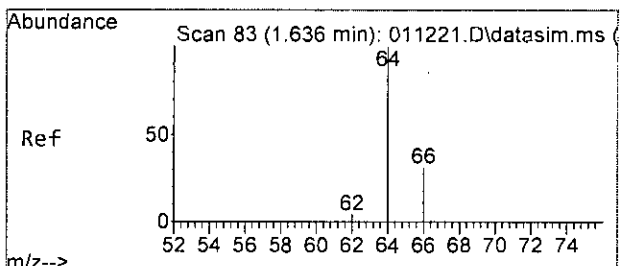
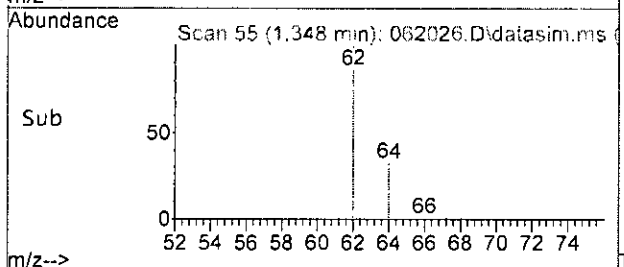
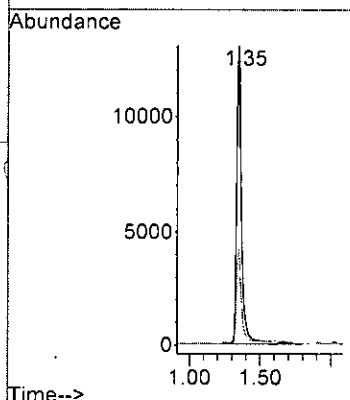
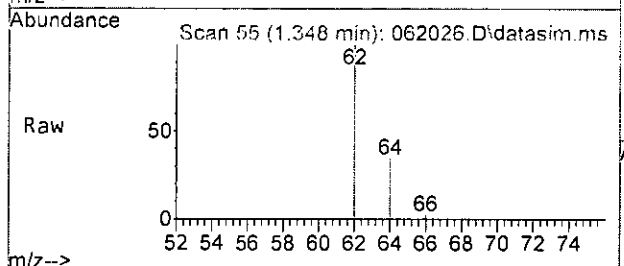
Quant Time: Jun 21 08:21:25 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M





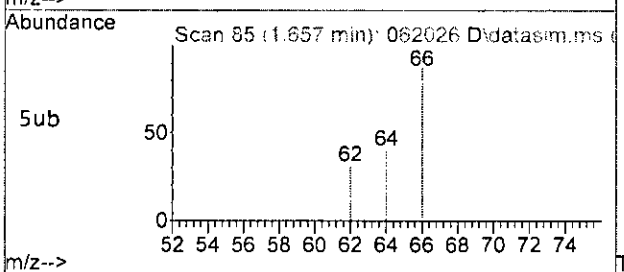
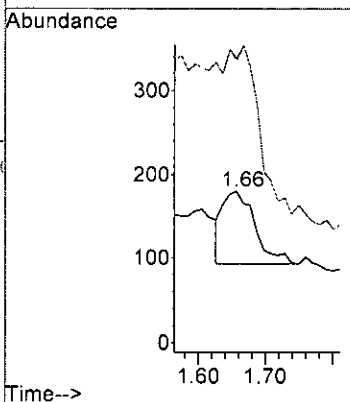
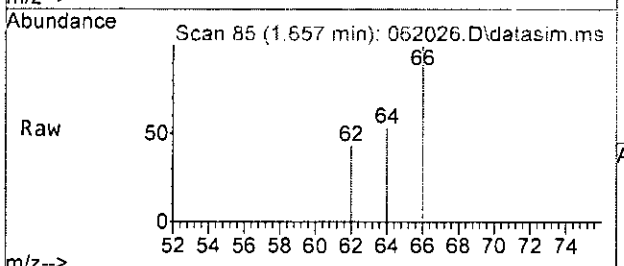
#6
 Vinyl chloride
 Concen: 6.640 ppb
 RT: 1.35 min Scan# 55
 Delta R.T. 0.021 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

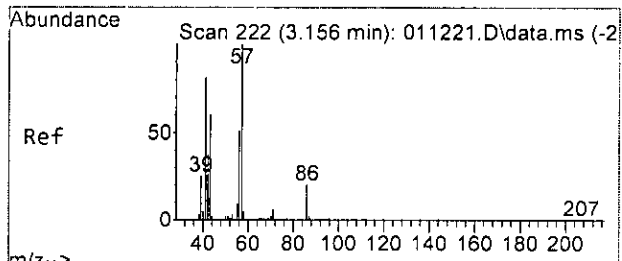
Tgt Ion: 62 Resp: 32493
 Ion Ratio Lower Upper
 62 100
 64 33.3 2.0 62.0



#8
 Chloroethane
 Concen: 0.126 ppb
 RT: 1.66 min Scan# 85
 Delta R.T. 0.021 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

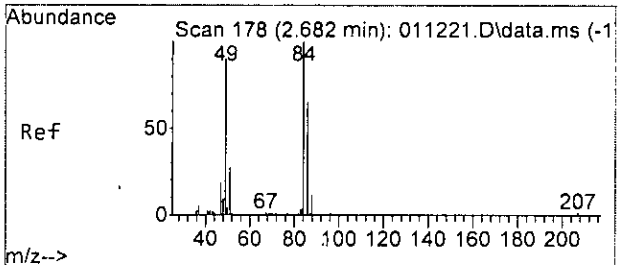
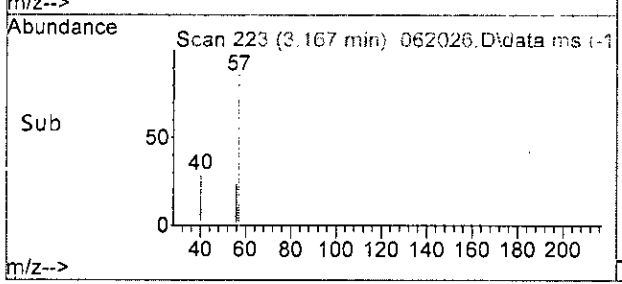
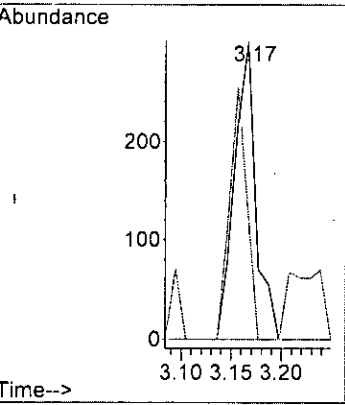
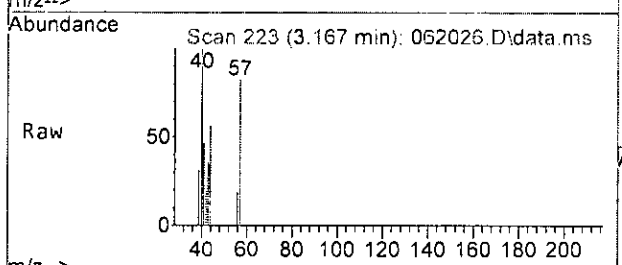
Tgt Ion: 64 Resp: 291
 Ion Ratio Lower Upper
 64 100
 66 200.0 0.0 57.9#





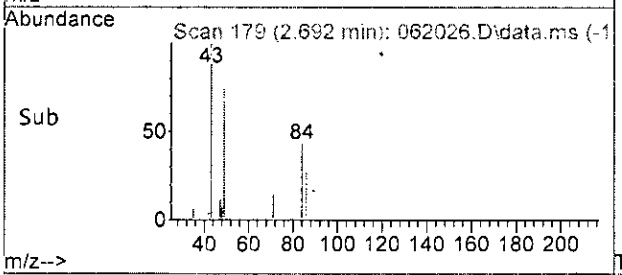
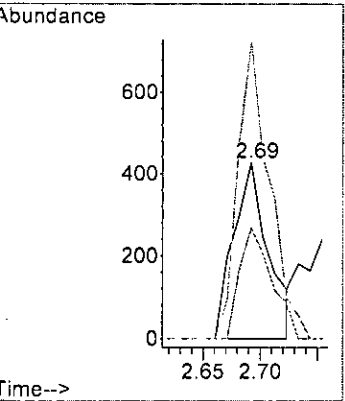
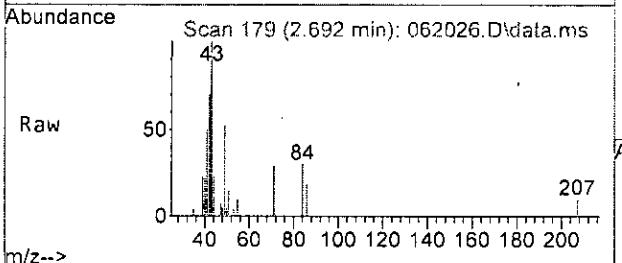
#13
 Hexane
 Concen: 0.163 ppb
 RT: 3.17 min Scan# 223
 Delta R.T. 0.021 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

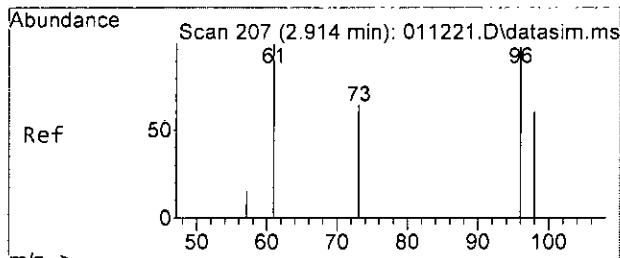
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 57 | 100 | | |
| 43 | 43.0 | 48.2 | 108.2# |
| 86 | 0.0 | 0.0 | 44.4 |



#14
 Methylene chloride
 Concen: 0.503 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

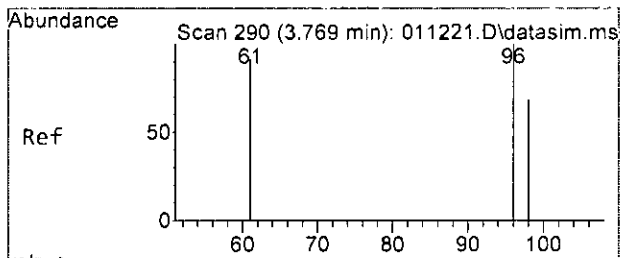
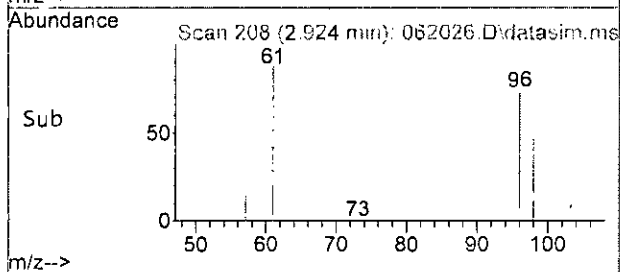
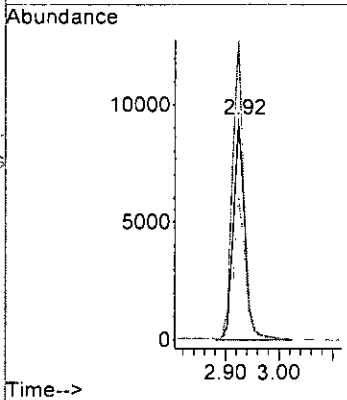
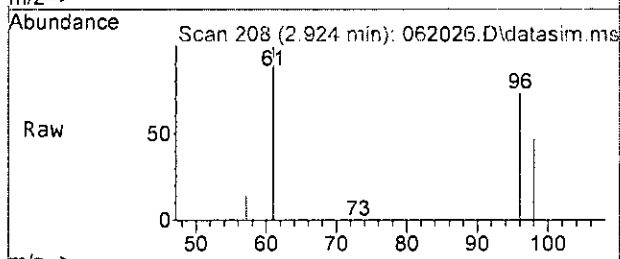
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 84 | 100 | | |
| 86 | 62.8 | 35.0 | 95.0 |
| 49 | 171.0 | 122.5 | 182.5 |





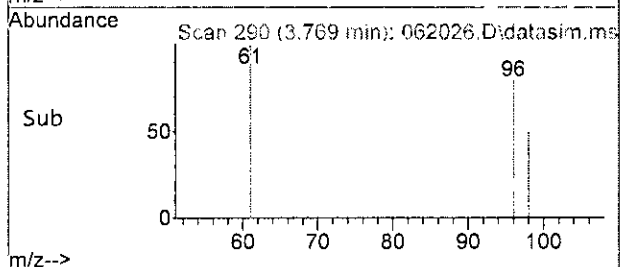
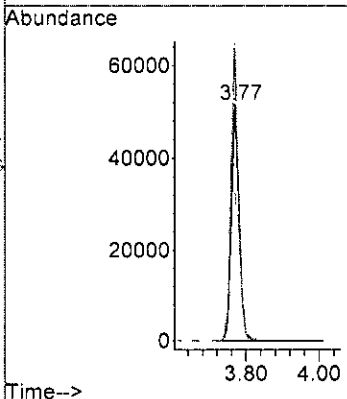
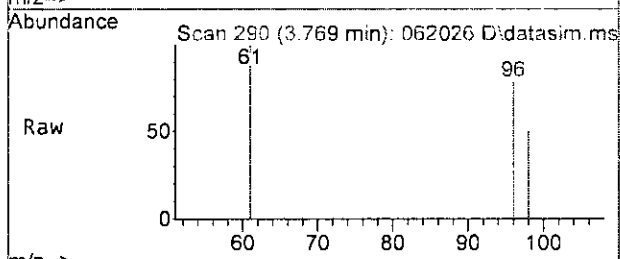
#17
 trans-1,2-Dichloroethene
 Concen: 6.846 ppb
 RT: 2.92 min Scan# 208
 Delta R.T. 0.010 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

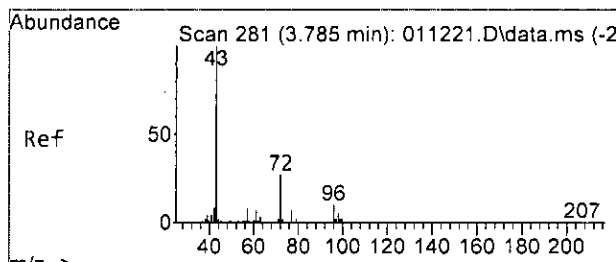
Tgt Ion: 96 Resp: 13997
 Ion Ratio Lower Upper
 96 100
 61 136.4 108.7 168.7
 98 64.6 34.3 94.3



#22
 cis-1,2-Dichloroethene
 Concen: 35.450 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.011 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

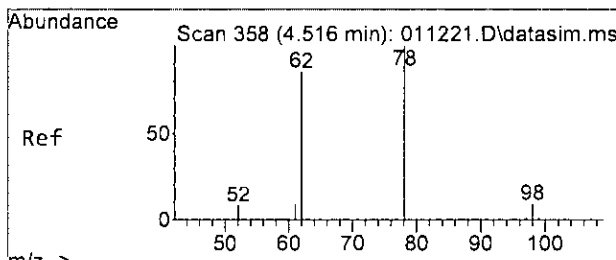
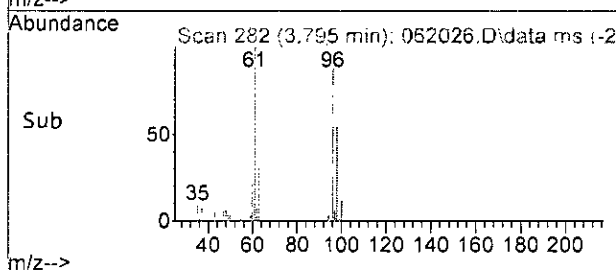
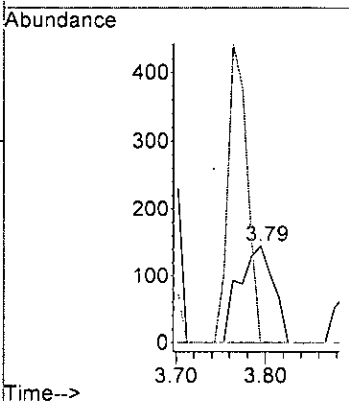
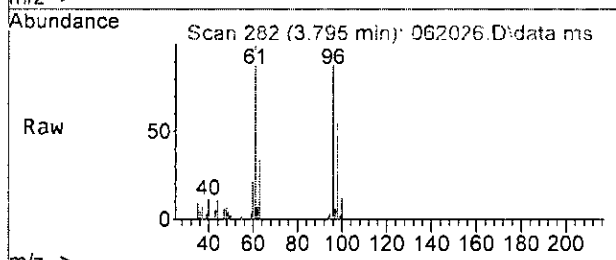
Tgt Ion: 96 Resp: 78376
 Ion Ratio Lower Upper
 96 100
 61 126.1 119.0 179.0
 98 63.0 29.0 89.0





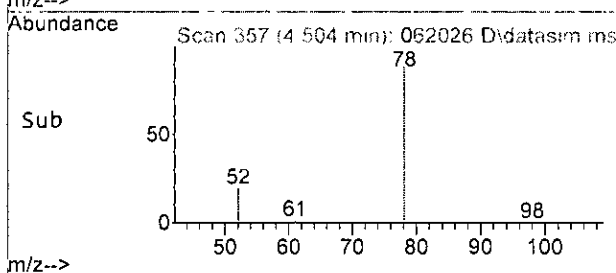
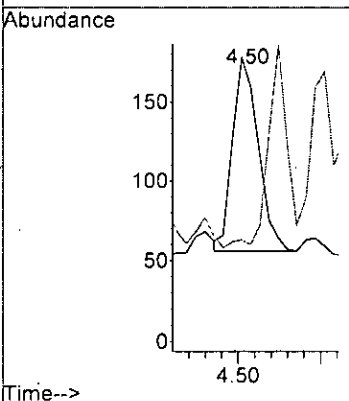
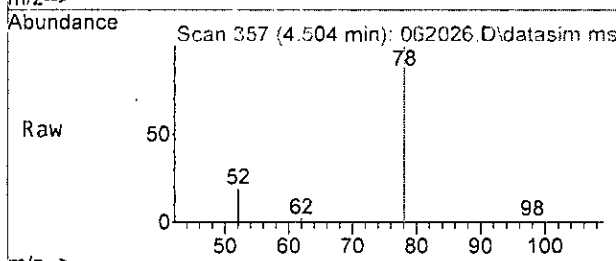
#24
 2-Butanone (MEK)
 Concen: 0.269 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. 0.010 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

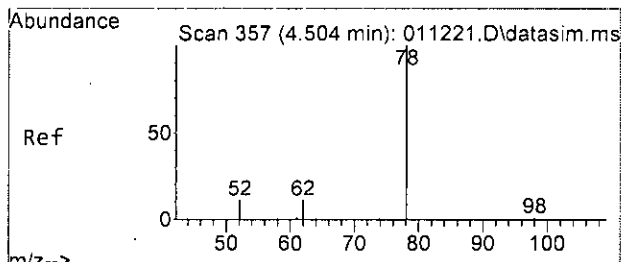
Tgt Ion: 43 Resp: 386
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 48.4
 57 0.0 0.0 26.7



#26
 1,2-Dichloroethane (EDC)
 Concen: 0.063 ppb
 RT: 4.50 min Scan# 357
 Delta R.T. -0.011 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

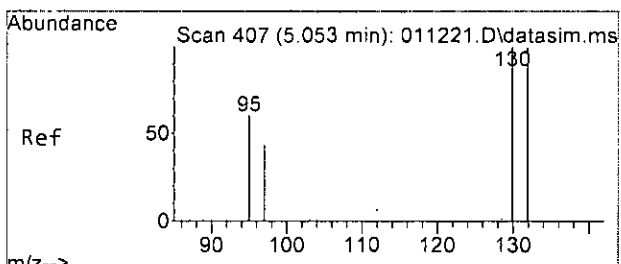
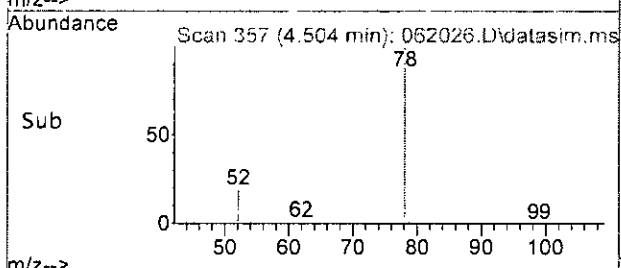
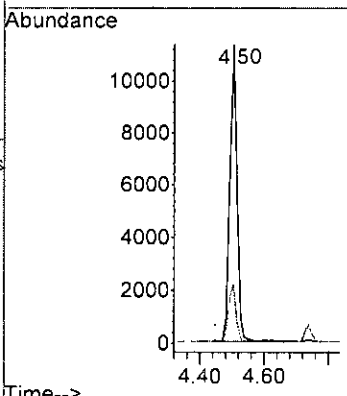
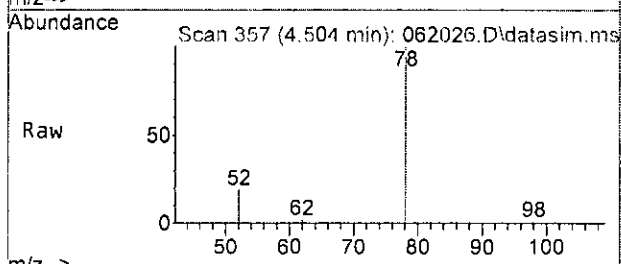
Tgt Ion: 62 Resp: 264
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 39.2





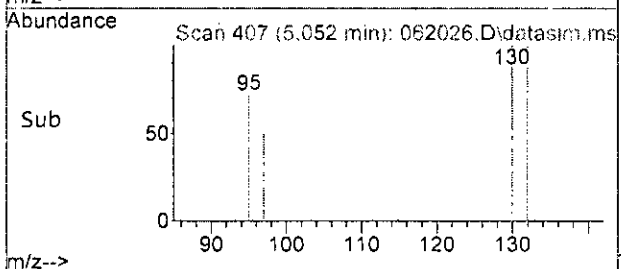
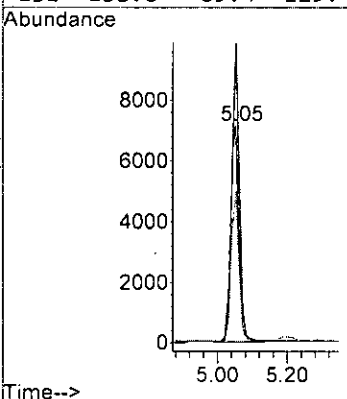
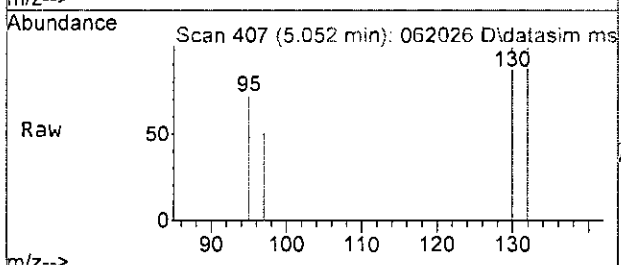
#31
Benzene
Concen: 2.371 ppb
RT: 4.50 min Scan# 357
Delta R.T. 0.011 min
Lab File: 062026.D
Acq: 20 Jun 2023 04:11 pm

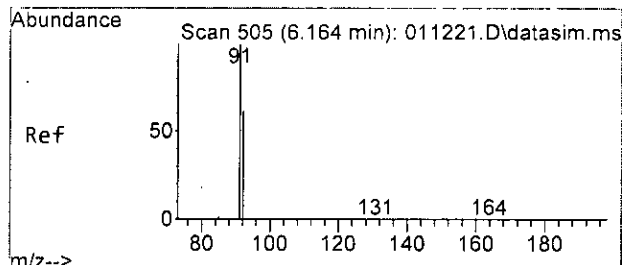
Tgt Ion: 78 Resp: 17204
Ion Ratio Lower Upper
78 100
52 19.1 0.0 S1.1



#32
Trichloroethene
Concen: 4.777 ppb
RT: 5.05 min Scan# 407
Delta R.T. 0.010 min
Lab File: 062026.D
Acq: 20 Jun 2023 04:11 pm

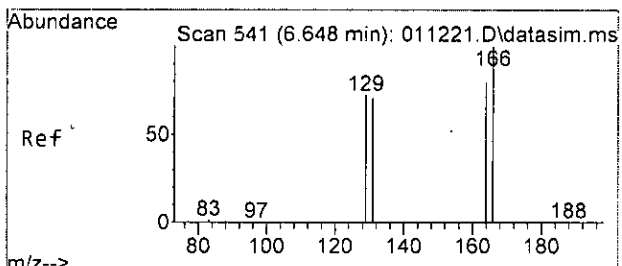
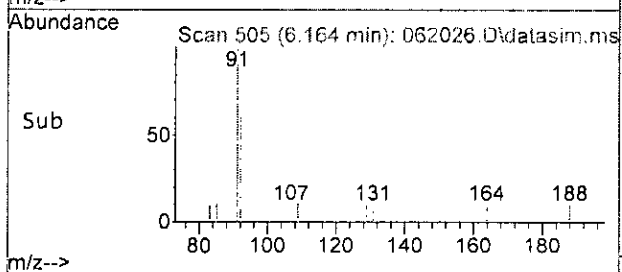
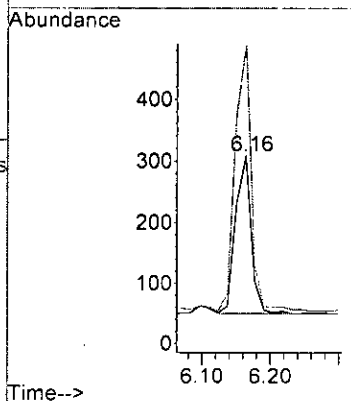
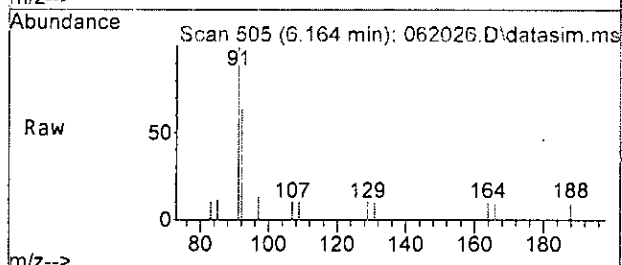
Tgt Ion: 95 Resp: 11620
Ion Ratio Lower Upper
95 100
97 69.4 32.9 92.9
130 138.8 80.9 140.9
132 138.6 69.4 129.4#





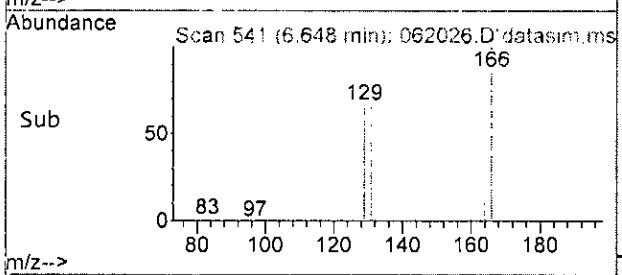
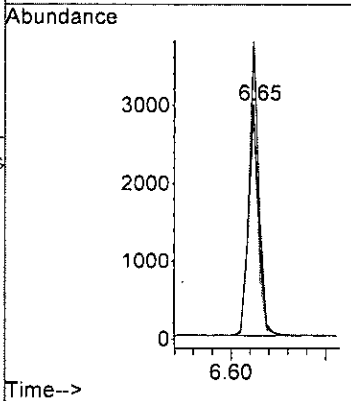
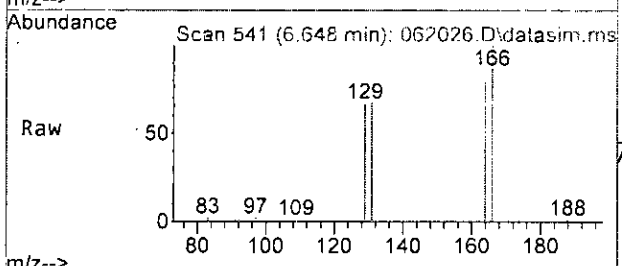
#40
 Toluene
 Concen: 0.070 ppb
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

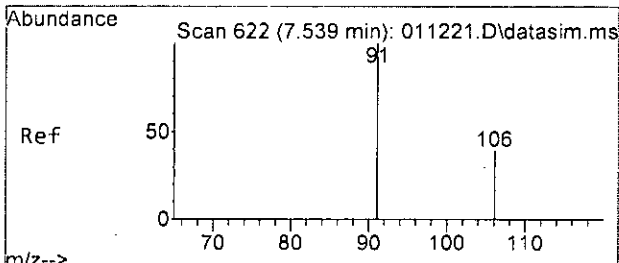
Tgt Ion: 92 Resp: 416
 Ion Ratio Lower Upper
 92 100
 91 169.0 150.0 210.0



#45
 Tetrachloroethene
 Concen: 1.726 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

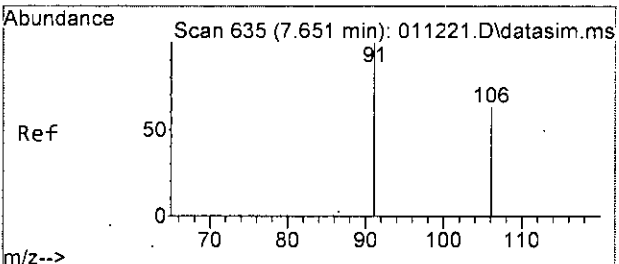
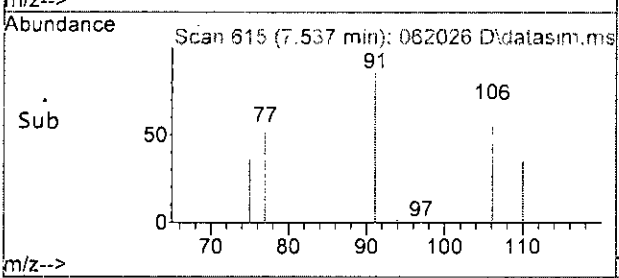
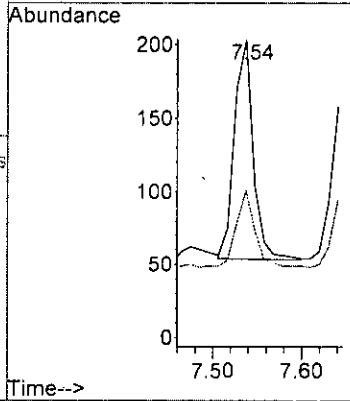
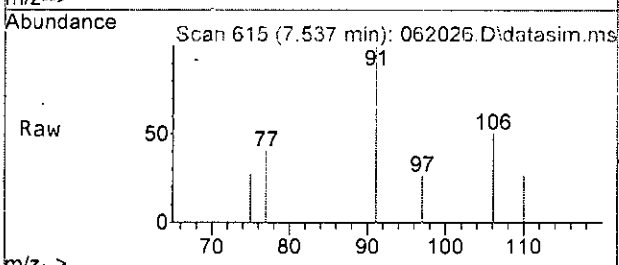
Tgt Ion: 164 Resp: 4209
 Ion Ratio Lower Upper
 164 100
 129 85.2 56.4 116.4
 131 84.4 57.2 117.2
 166 127.3 101.6 161.6





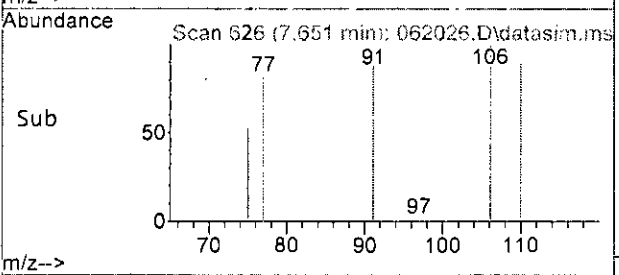
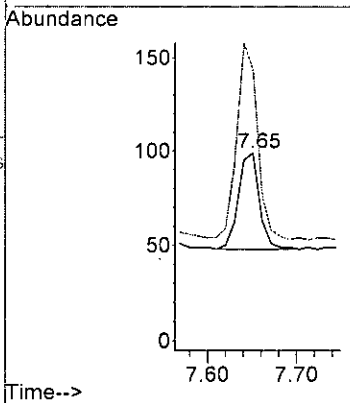
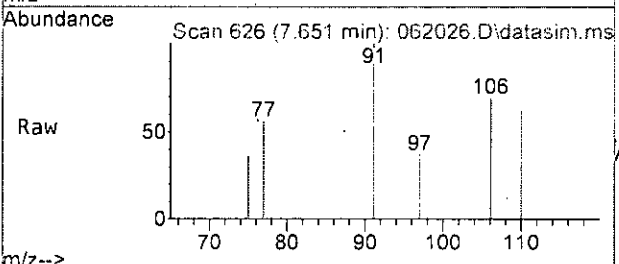
#49
 Ethylbenzene
 Concen: 0.023 ppb
 RT: 7.54 min Scan# 615
 Delta R.T. 0.000 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

Tgt Ion: 91 Resp: 221
 Ion Ratio Lower Upper
 91 100
 106 34.9 6.6 66.6



#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.65 min Scan# 626
 Delta R.T. 0.010 min
 Lab File: 062026.D
 Acq: 20 Jun 2023 04:11 pm

Tgt Ion: 106 Resp: 83
 Ion Ratio Lower Upper
 106 100
 91 176.5 172.0 232.0



Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062026.D
 Acq On : 20 Jun 2023 04:11 pm
 Operator : MD
 Sample : 306243-10 1/10
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:25 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|--------------------------------|--------|----------------|----------|-----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 4.73 | 96 | 79061 | 10.000 | ppb | 0.00 | |
| 39) Chlorobenzene-d5 | 7.40 | 117 | 65005 | 10.000 | ppb | 0.00 | |
| 56) 1,4-Dichlorobenzene-d4 | 9.62 | 152 | 35564 | 10.000 | ppb | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 3) Dibromofluoromethane | 4.17 | 113 | 23980 | 10.043 | ppb | 0.01 | |
| Spiked Amount | 10.000 | Range 50 - 150 | Recovery | = | 100.40% | | |
| 30) 1,2-Dichloroethane-d4 | 4.45 | 102 | 4485 | 9.090 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 71 - 132 | Recovery | = | 90.90% | | |
| 35) Toluene-d8 | 6.10 | 98 | 73746 | 9.725 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 68 - 139 | Recovery | = | 97.20% | | |
| 57) 4-Bromofluorobenzene | 8.50 | 95 | 26166 | 9.712 | ppb | 0.00 | |
| Spiked Amount | 10.000 | Range 62 - 136 | Recovery | = | 97.10% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Ethanol | 2.33 | 45 | 38 | No Calib | | | |
| 4) Dichlorodifluoromethane | 0.00 | | 0 | N.D. | | | |
| 5) Chloromethane | 1.26 | 50 | 843 | N.D. | | | |
| 6] Vinyl chloride | 1.35 | 62 | 32493 | 6.640 | ppb | 98 | |
| 7) Bromomethane | 0.00 | | 0 | N.D. d | | | |
| 8] Chloroethane | 1.66 | 64 | 291 | 0.126 | ppb # | 1 | |
| 9) Trichlorofluoromethane | 0.00 | | 0 | N.D. | | | |
| 10) 2-Propanol | 2.33 | 45 | 38 | No Calib | | | |
| 11) Acetone | 2.34 | 58 | 207 | N.D. | | | |
| 12) 1,1-Dichloroethene | 0.00 | | 0 | N.D. d | | | |
| 13) Hexane | 3.17 | 57 | 443 | 0.163 | ppb # | 60 | |
| 14) Methylene chloride | 2.69 | 84 | 894 | 0.503 | ppb | 89 | |
| 15) t-Butyl alcohol (TBA) | 0.00 | | 0 | N.D. d | | | |
| 16) Methyl t-butyl ether (...) | 0.00 | | 0 | N.D. | | | |
| 17] trans-1,2-Dichloroethene | 2.92 | 96 | 13997 | 6.846 | ppb | 99 | |
| 18) Diisopropyl ether (DIPE) | 0.00 | | 0 | N.D. | | | |
| 19) 1,1-Dichloroethane | 0.00 | | 0 | N.D. | | | |
| 20) Ethyl t-butyl ether (E...) | 0.00 | | 0 | N.D. | | | |
| 21) 2,2-Dichloropropane | 3.80 | 77 | 69 | Below Cal | | 46 | |
| 22] cis-1,2-Dichloroethene | 3.77 | 96 | 78376 | 35.450 | ppb | 86 | |
| 23) Chloroform | 4.04 | 83 | 53 | N.D. | | | |
| 24) 2-Butanone (MEK) | 3.79 | 43 | 386 | 0.269 | ppb | 65 | |
| 25) t-Amyl methyl ether (T...) | 4.50 | 73 | 452 | N.D. | | | |
| 26] 1,2-Dichloroethane (EDC) | 4.50 | 62 | 264 | 0.063 | ppb | 75 | |
| 27) 1,1,1-Trichloroethane | 0.00 | | 0 | N.D. | | | |
| 28) 1,1-Dichloropropene | 0.00 | | 0 | N.D. | | | |
| 29) Carbon tetrachloride | 0.00 | | 0 | N.D. | | | |
| 31] Benzene | 4.50 | 78 | 17204 | 2.371 | ppb | 96 | |
| 32] Trichloroethene | 5.05 | 95 | 11620 | 4.777 | ppb # | 73 | |
| 33) 1,2-Dichloropropane | 0.00 | | 0 | N.D. | | | |
| 34) Bromodichloromethane | 0.00 | | 0 | N.D. | | | |
| 36) Dibromomethane | 0.00 | | 0 | N.D. | | | |

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062026.D
 Acq On : 20 Jun 2023 04:11 pm
 Operator : MD
 Sample : 306243-10 1/10
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

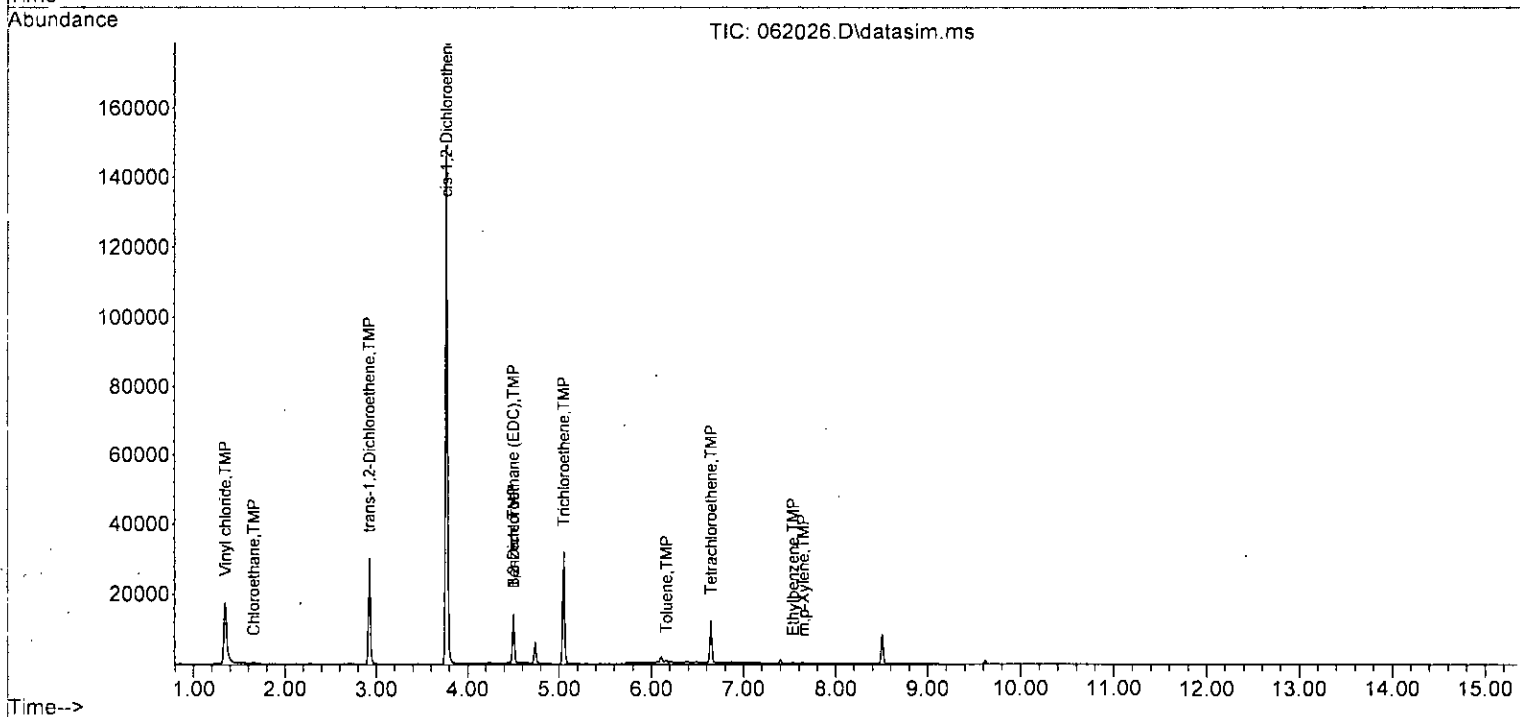
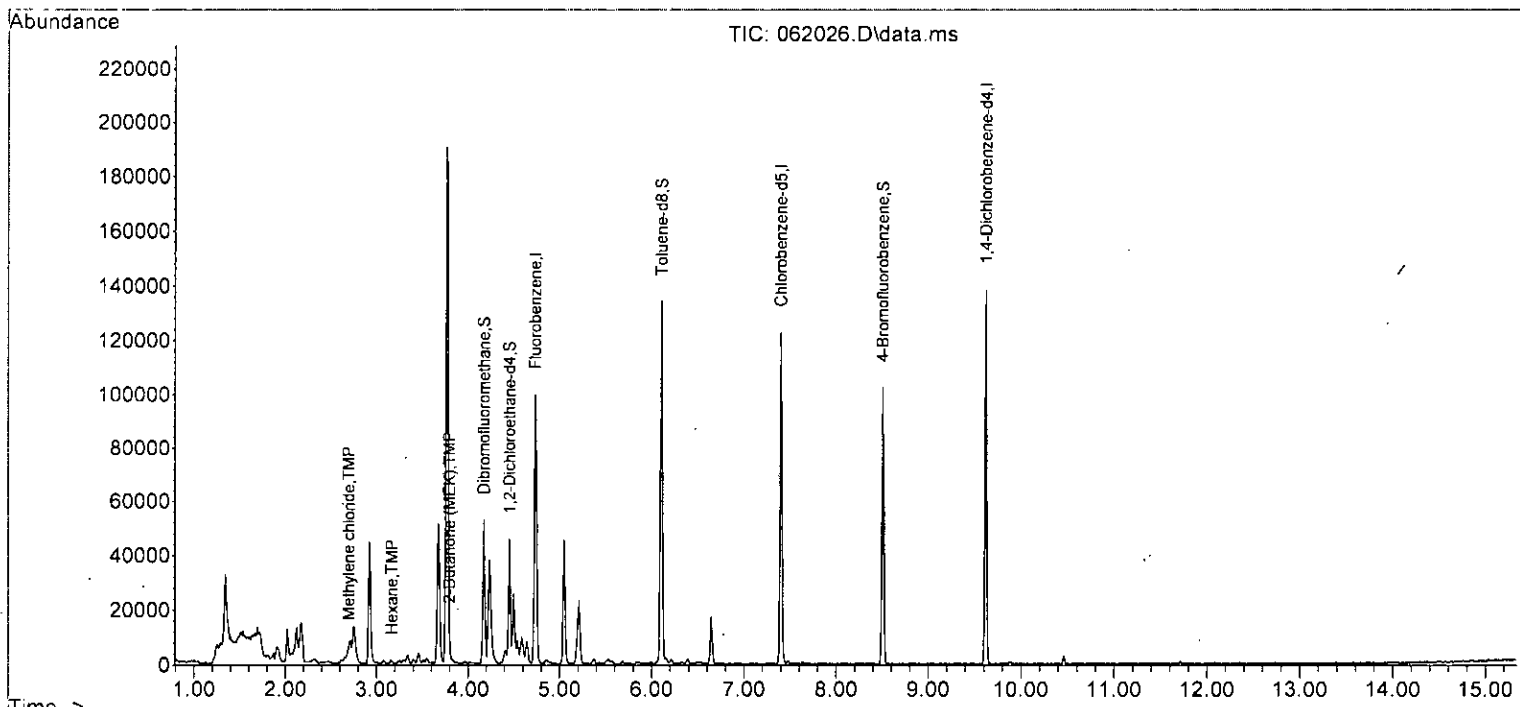
Quant Time: Jun 21 08:21:25 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 37) 4-Methyl-2-pentanone | 0.00 | | 0 | | N.D. | |
| 38) cis-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 40] Toluene | 6.16 | 92 | 416 | 0.070 | ppb | 92 |
| 41) trans-1,3-Dichloropropene | 0.00 | | 0 | | N.D. | |
| 42) 1,1,2-Trichloroethane | 6.49 | 83 | 34 | | N.D. | |
| 43) 2-Hexanone | 0.00 | | 0 | | N.D. d | |
| 44) 1,3-Dichloropropane | 0.00 | | 0 | | N.D. | |
| 45] Tetrachloroethene | 6.65 | 164 | 4209 | 1.726 | ppb | 97 |
| 46) Dibromochloromethane | 0.00 | | 0 | | N.D. | |
| 47) 1,2-Dibromoethane (EDB) | 0.00 | | 0 | | N.D. | |
| 48) Chlorobenzene | 0.00 | | 0 | | N.D. | |
| 49] Ethylbenzene | 7.54 | 91 | 221 | 0.023 | ppb | 97 |
| 50) 1,1,1,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 51] m,p-Xylene | 7.65 | 106 | 83 | 0.021 | ppb | 83 |
| 52) o-Xylene | 8.01 | 106 | 29 | | N.D. | |
| 53) Styrene | 0.00 | | 0 | | N.D. | |
| 54) Isopropylbenzene | 8.36 | 105 | 341 | | N.D. | |
| 55) Bromoform | 0.00 | | 0 | | N.D. | |
| 58) n-Propylbenzene | 8.76 | 91 | 34 | | N.D. | |
| 59) Bromobenzene | 0.00 | | 0 | | N.D. | |
| 60) 1,3,5-Trimethylbenzene | 8.86 | 105 | 76 | | N.D. | |
| 61) 1,1,2,2-Tetrachloroethane | 0.00 | | 0 | | N.D. | |
| 62) 1,2,3-Trichloropropane | 0.00 | | 0 | | N.D. | |
| 63) 2-Chlorotoluene | 8.76 | 91 | 34 | | N.D. | |
| 64) 4-Chlorotoluene | 8.76 | 91 | 34 | | N.D. | |
| 65) tert-Butylbenzene | 0.00 | | 0 | | N.D. | |
| 66) 1,2,4-Trimethylbenzene | 9.29 | 105 | 97 | | N.D. | |
| 67) sec-Butylbenzene | 9.45 | 105 | 131 | | N.D. | |
| 68) p-Isopropyltoluene | 9.81 | 119 | 131 | | N.D. | |
| 69) 1,3-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 70) 1,4-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 71) 1,2-Dichlorobenzene | 0.00 | | 0 | | N.D. | |
| 72) 1,2-Dibromo-3-chloropr... | 0.00 | | 0 | | N.D. | |
| 73) 1,2,4-Trichlorobenzene | 0.00 | | 0 | | N.D. | |
| 74) Hexachlorobutadiene | 0.00 | | 0 | | N.D. | |
| 75) Naphthalene | 11.84 | 128 | 55 | | N.D. | |
| 76) 1,2,3-Trichlorobenzene | 0.00 | | 0 | | N.D. | |

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

Data Path : Y:\Proc_GCMS13\06-20-23\
 Data File : 062026.D
 Acq On : 20 Jun 2023 04:11 pm
 Operator : MD
 Sample : 306243-10 1/10
 Misc : water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Jun 21 08:21:25 2023
 Quant Method : Y:\Methods\Inst13\061523vms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Fri Jun 16 07:37:11 2023
 Response via : Initial Calibration
 DataAcq Meth:VM040623.M



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Avenue South
Seattle, WA 98108
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www.friedmanandbruya.com

June 20, 2023

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

Dear Lab Data Manager:

Included are the results from the testing of material submitted on June 12, 2023 from the Carson Cleaners 212280-01.01, F&BI 306191 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0620R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 12, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 306191 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Anchor QEA</u> |
|----------------------|----------------------|
| 306191 -01 | BP-MW-8-GW-20230612 |
| 306191 -02 | CC-MW-06-GW-20230612 |
| 306191 -03 | TB-20230612 |
| 306191 -04 | MW-20-GW-20230612 |
| 306191 -05 | MW-18-GW-20230612 |
| 306191 -06 | MW-1018-GW-20230612 |
| 306191 -07 | MW-28-GW-20230612 |
| 306191 -08 | MW-27-GW-20230612 |
| 306191 -09 | MW-22-GW-20230612 |
| 306191 -10 | MW-23-GW-20230612 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|---------------------|-------------|------------------------------|
| Client Sample ID: | BP-MW-8-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-01 |
| Date Analyzed: | 06/14/23 | Data File: | 061416.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 112 | 78 | 126 |
| Toluene-d8 | 98 | 84 | 115 |
| 4-Bromofluorobenzene | 108 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| Trichloroethene | 0.23 |
| Tetrachloroethene | 16 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-06-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-02 |
| Date Analyzed: | 06/14/23 | Data File: | 061424.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 104 | 78 | 126 |
| Toluene-d8 | 97 | 84 | 115 |
| 4-Bromofluorobenzene | 111 | 72 | 130 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------|-------------|------------------------------|
| Client Sample ID: | TB-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-03 |
| Date Analyzed: | 06/14/23 | Data File: | 061412.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 101 | 78 | 126 |
| Toluene-d8 | 99 | 84 | 115 |
| 4-Bromofluorobenzene | 96 | 72 | 130 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-20-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-04 |
| Date Analyzed: | 06/14/23 | Data File: | 061432.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 102 | 78 | 126 |
| Toluene-d8 | 99 | 84 | 115 |
| 4-Bromofluorobenzene | 110 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | 0.28 |
| cis-1,2-Dichloroethene | 3.5 |
| Trichloroethene | 11 |
| Tetrachloroethene | 95 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-18-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-05 |
| Date Analyzed: | 06/14/23 | Data File: | 061425.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 104 | 78 | 126 |
| Toluene-d8 | 96 | 84 | 115 |
| 4-Bromofluorobenzene | 104 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| Trichloroethene | 0.16 |
| Tetrachloroethene | 0.86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|---------------------|-------------|------------------------------|
| Client Sample ID: | MW-1018-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-06 |
| Date Analyzed: | 06/15/23 | Data File: | 061509.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 95 | 78 | 126 |
| Toluene-d8 | 99 | 84 | 115 |
| 4-Bromofluorobenzene | 105 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| Trichloroethene | 0.32 |
| Tetrachloroethene | 1.6 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-28-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-07 1/10 |
| Date Analyzed: | 06/14/23 | Data File: | 061427.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 109 | 78 | 126 |
| Toluene-d8 | 101 | 84 | 115 |
| 4-Bromofluorobenzene | 112 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 2.9 |
| trans-1,2-Dichloroethene | 8.3 |
| cis-1,2-Dichloroethene | 150 |
| Trichloroethene | 770 |
| Tetrachloroethene | 290 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-27-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-08 |
| Date Analyzed: | 06/14/23 | Data File: | 061426.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 101 | 78 | 126 |
| Toluene-d8 | 109 | 84 | 115 |
| 4-Bromofluorobenzene | 106 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 5.3 |
| trans-1,2-Dichloroethene | 14 |
| cis-1,2-Dichloroethene | 71 |
| Trichloroethene | 15 |
| Tetrachloroethene | <0.05 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-22-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-09 1/10 |
| Date Analyzed: | 06/14/23 | Data File: | 061430.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 103 | 78 | 126 |
| Toluene-d8 | 97 | 84 | 115 |
| 4-Bromofluorobenzene | 107 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 13 |
| trans-1,2-Dichloroethene | 28 |
| cis-1,2-Dichloroethene | 760 |
| Trichloroethene | 500 |
| Tetrachloroethene | <0.5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-23-GW-20230612 | Client: | Anchor QEA |
| Date Received: | 06/12/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 306191-10 1/10 |
| Date Analyzed: | 06/14/23 | Data File: | 061429.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 110 | 78 | 126 |
| Toluene-d8 | 98 | 84 | 115 |
| 4-Bromofluorobenzene | 103 | 72 | 130 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 32 |
| trans-1,2-Dichloroethene | 22 |
| cis-1,2-Dichloroethene | 630 |
| Trichloroethene | 470 |
| Tetrachloroethene | <0.5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------|-------------|------------------------------|
| Client Sample ID: | Method Blank | Client: | Anchor QEA |
| Date Received: | Not Applicable | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/14/23 | Lab ID: | 03-1112 mb |
| Date Analyzed: | 06/14/23 | Data File: | 061407.D |
| Matrix: | Water | Instrument: | GCMS11 |
| Units: | ug/L (ppb) | Operator: | LM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 102 | 78 | 126 |
| Toluene-d8 | 98 | 84 | 115 |
| 4-Bromofluorobenzene | 109 | 72 | 130 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/20/23

Date Received: 06/12/23

Project: Carson Cleaners 212280-01.01, F&BI 306191

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

Laboratory Code: 306191-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|--------------------------|-----------------|-------------|---------------|---------------------|----------------------|---------------------|----------------|
| Vinyl chloride | ug/L (ppb) | 10 | <0.02 | 67 | 65 | 50-150 | 3 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 10 | <0.05 | 68 | 61 | 50-150 | 11 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | <0.05 | 66 | 64 | 10-211 | 3 |
| Trichloroethene | ug/L (ppb) | 10 | <0.05 | 65 | 60 | 35-149 | 8 |
| Tetrachloroethene | ug/L (ppb) | 10 | 16 | 21 b | 7 b | 50-150 | 100 b |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|--------------------------|-----------------|-------------|----------------------|-----------------------|---------------------|----------------|
| Vinyl chloride | ug/L (ppb) | 10 | 97 | 97 | 64-142 | 0 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 10 | 97 | 96 | 70-130 | 1 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 103 | 98 | 70-130 | 5 |
| Trichloroethene | ug/L (ppb) | 10 | 98 | 96 | 70-130 | 2 |
| Tetrachloroethene | ug/L (ppb) | 10 | 100 | 100 | 70-130 | 0 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

06/12/23

WVS

306191

Report To JEFFREY WHELAN

Company ANCUTR GCA

Address 1201 3rd Ave #2600

City, State, ZIP Seattle, WA 98101

Phone 206-251-9130 Email LABDATA@ANCUTR.COM

ANCUTR GCA . COM

| | | |
|--|------------------|------|
| SAMPLERS (signature) <u>Jeffrey Whelan</u> | | PO # |
| PROJECT NAME | 212250-CL-61 | |
| CAUTION | | |
| REMARKS | SEE S&APP | |
| Project specific RIs? - (Yes/No) | | |
| INVOICE TO | LAB DATA ATTACHE | |
| | ANCUTR GCA . COM | |

Page # 1 of 1

TURNAROUND TIME

Standard turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples

Other _____

Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED | | | | | | | Notes | |
|---------------------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|---------------|-------|-----------------------|
| | | | | | | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | |
| Bp-MW-8-GW-20230612 | 01A-F | 6-12-23 | 1400 | H2O | 6 | | | | | | | | | MS/HSO GREEN WATER |
| CC-MW-8-GW-20230612 | 02A-C | | 1350 | H2O | 3 | | | | | | | | | GREEN WATER |
| TR-20230612 | 03 | | 0800 | H2O | 2 | | | | | | | | | TRIP BURN |
| MW-20-GW-20230612 | 04 | | 1230 | H2O | 3 | | | | | | | | | GREEN WATER |
| MW-18-GW-20230612 | 05 | | 1255 | H2O | 3 | | | | | | | | | |
| MW-1018-GW-20230612 | 06 | | 1300 | H2O | 3 | | | | | | | | | |
| MW-28-GW-20230612 | 07 | | 1635 | H2O | 3 | | | | | | | | | |
| MW-27-GW-20230612 | 08 | | 1100 | H2O | 3 | | | | | | | | | |
| MW-22-GW-20230612 | 09 | | 1600 | H2O | 3 | | | | | | | | | |
| MW-23-GW-20230612 | 10 | 6-12-23 | 1600 | H2O | 3 | | | | | | | | | GREEN WATER |

| | |
|-----------------------------------|-----------------------------------|
| Signature | Signature |
| Reinquired by: <u>[Signature]</u> | Reinquired by: <u>[Signature]</u> |
| Received by: <u>[Signature]</u> | Received by: <u>[Signature]</u> |
| Relinquished by: _____ | Relinquished by: _____ |
| PRINT NAME | PRINT NAME |
| <u>JOE MAHAMED</u> | <u>AKSER</u> |
| COMPANY | COMPANY |
| <u>FBI</u> | <u>ANCUTR GCA</u> |
| DATE | DATE |
| <u>06/12/23</u> | <u>6-12-23</u> |
| TIME | TIME |
| <u>17:34</u> | <u>17:34</u> |
| amples received at <u>1</u> °C | |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

June 26, 2023

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

Dear Lab Data Manager:

Included are the results from the testing of material submitted on June 14, 2023 from the Carson Cleaners 212280-01.01, F&BI 306242 project. There are 14 pages included in this report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Anchor Lab Data
ACQ0626R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 14, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 306242 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Anchor QEA</u> |
|----------------------|--------------------|
| 306242 -01 | CC-IA-01-20230613 |
| 306242 -02 | CC-SS-01-20230613 |
| 306242 -03 | CC-AA-01-20230613 |
| 306242 -04 | CC-IA-02-20230613 |
| 306242 -05 | CC-SS-02-20230613 |
| 306242 -06 | CC-IA-04-20230613 |
| 306242 -07 | CC-IA-03b-20230614 |
| 306242 -08 | CC-SS-03b-20230614 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-IA-01-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-01 |
| Date Analyzed: | 06/20/23 | Data File: | 062016.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-SS-01-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-02 1/5.2 |
| Date Analyzed: | 06/16/23 | Data File: | 061616.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | |
|--------------------------|---------------|-------|
| | ug/m3 | ppbv |
| Vinyl chloride | <1.3 | <0.52 |
| trans-1,2-Dichloroethene | <2.1 | <0.52 |
| cis-1,2-Dichloroethene | <2.1 | <0.52 |
| Trichloroethene | <0.56 | <0.1 |
| Tetrachloroethene | <35 | <5.2 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-AA-01-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-03 |
| Date Analyzed: | 06/20/23 | Data File: | 062015.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-IA-02-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-04 |
| Date Analyzed: | 06/21/23 | Data File: | 062019.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-SS-02-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-05 1/5.1 |
| Date Analyzed: | 06/16/23 | Data File: | 061618.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | |
|--------------------------|---------------|-------|
| | ug/m3 | ppbv |
| Vinyl chloride | <1.3 | <0.51 |
| trans-1,2-Dichloroethene | <2 | <0.51 |
| cis-1,2-Dichloroethene | <2 | <0.51 |
| Trichloroethene | <0.55 | <0.1 |
| Tetrachloroethene | <35 | <5.1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | CC-IA-04-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-06 |
| Date Analyzed: | 06/20/23 | Data File: | 062017.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|--------------------|-------------|------------------------------|
| Client Sample ID: | CC-IA-03b-20230614 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-07 |
| Date Analyzed: | 06/21/23 | Data File: | 062018.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 89 | 70 | 130 |

| Compounds: | Concentration | |
|--------------------------|---------------|-------|
| | ug/m3 | ppbv |
| Vinyl chloride | <0.26 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 |
| Trichloroethene | <0.11 | <0.02 |
| Tetrachloroethene | 8.2 | 1.2 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|--------------------|-------------|------------------------------|
| Client Sample ID: | CC-SS-03b-20230614 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | 06/13/23 | Lab ID: | 306242-08 1/5.2 |
| Date Analyzed: | 06/16/23 | Data File: | 061617.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | |
|--------------------------|---------------|-------|
| | ug/m3 | ppbv |
| Vinyl chloride | <1.3 | <0.52 |
| trans-1,2-Dichloroethene | <2.1 | <0.52 |
| cis-1,2-Dichloroethene | <2.1 | <0.52 |
| Trichloroethene | 1.7 | 0.32 |
| Tetrachloroethene | 42 | 6.2 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|----------------|-------------|------------------------------|
| Client Sample ID: | Method Blank | Client: | Anchor QEA |
| Date Received: | Not Applicable | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | Not Applicable | Lab ID: | 03-1448 MB |
| Date Analyzed: | 06/16/23 | Data File: | 061612.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | % | Lower | Upper |
|----------------------|-----------|--------|--------|
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 89 | 70 | 130 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-------------------|----------------|-------------|------------------------------|
| Client Sample ID: | Method Blank | Client: | Anchor QEA |
| Date Received: | Not Applicable | Project: | Carson Cleaners 212280-01.01 |
| Date Collected: | Not Applicable | Lab ID: | 03-1454 MB |
| Date Analyzed: | 06/20/23 | Data File: | 062012.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/26/23

Date Received: 06/14/23

Project: Carson Cleaners 212280-01.01, F&BI 306242

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

Laboratory Code: 306244-01 1/5.5 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 30) |
|--------------------------|-----------------|---------------|------------------|----------------|
| Vinyl chloride | ug/m3 | <1.4 | <1.4 | nm |
| trans-1,2-Dichloroethene | ug/m3 | <2.2 | <2.2 | nm |
| cis-1,2-Dichloroethene | ug/m3 | <2.2 | <2.2 | nm |
| Trichloroethene | ug/m3 | <0.59 | <0.59 | nm |
| Tetrachloroethene | ug/m3 | <37 | <37 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------------------|-----------------|-------------|----------------------|---------------------|
| Vinyl chloride | ug/m3 | 35 | 114 | 70-130 |
| trans-1,2-Dichloroethene | ug/m3 | 54 | 102 | 70-130 |
| cis-1,2-Dichloroethene | ug/m3 | 54 | 96 | 70-130 |
| Trichloroethene | ug/m3 | 73 | 117 | 70-130 |
| Tetrachloroethene | ug/m3 | 92 | 111 | 70-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/26/23

Date Received: 06/14/23

Project: Carson Cleaners 212280-01.01, F&BI 306242

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

Laboratory Code: 306242-04 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 30) |
|--------------------------|-----------------|---------------|------------------|----------------|
| Vinyl chloride | ug/m3 | <0.26 | <0.26 | nm |
| trans-1,2-Dichloroethene | ug/m3 | <0.4 | <0.4 | nm |
| cis-1,2-Dichloroethene | ug/m3 | <0.4 | <0.4 | nm |
| Trichloroethene | ug/m3 | <0.11 | <0.11 | nm |
| Tetrachloroethene | ug/m3 | <6.8 | <6.8 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------------------|-----------------|-------------|----------------------|---------------------|
| Vinyl chloride | ug/m3 | 35 | 114 | 70-130 |
| trans-1,2-Dichloroethene | ug/m3 | 54 | 97 | 70-130 |
| cis-1,2-Dichloroethene | ug/m3 | 54 | 90 | 70-130 |
| Trichloroethene | ug/m3 | 73 | 111 | 70-130 |
| Tetrachloroethene | ug/m3 | 92 | 109 | 70-130 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

06/14/23

Page # 1 of 1

Report To: JENNIFER MANSARVA
 Company: ANCHEON Q&A
 Address: 1201 3RD AVE, #2600
 City, State, ZIP: SEATTLE, WA 98101
 Phone: 2062879130 Email: JMANSARVA@ANCHEONQ&A.COM

| | | | |
|--|--|--|-----------------------------|
| SAMPLERS (signature) <u>SPS</u> | | PROJECT NAME & ADDRESS <u>CHARSON CLEANUPS</u> <u>4701 BARDOLYN AVE NE</u> | PO # <u>211280-01.01</u> |
| NOTES: <u>See S&APP</u> | | INVOICE TO <u>LAB DATA ATTACH @</u> <u>ANCHEON Q&A.COM</u> | |
| SAMPLE DISPOSAL Default: Clean following final report delivery Hold (Fee may apply): | | TURNAROUND TIME Standard RUSH Rush charges authorized by: | |

| Sample Name | Lab ID | Canister ID | Flow Cont. ID | Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One) | Date Sampled | Initial Vac. (uHg) | Field Initial Time | Final Vac. (uHg) | Field Final Time | ANALYSIS REQUESTED | | | | Notes | |
|--------------------|--------|-------------|---------------|--|--------------|--------------------|--------------------|------------------|------------------|--------------------|------------|------------|-----|-------|--------------|
| | | | | | | | | | | TO15 Full Scan | TO15 BTEXN | TO15 cVOCs | APH | | Helium |
| CC-IA-01-20230613 | 01 | 20545 | F1606 | IA SG | 6-13-23 | 21.0 | 7:35 | 5 | 15:35 | | | | | | FWGON ARL |
| CC-SS-01-20230613 | 02 | 8532 | 201 | IA / SG | 6-13-23 | 28.5 | 10:38 | 3.0 | 10:45 | | | | | | SUB-SUMS |
| CC-AA-01-20230613 | 03 | 18574 | 06604 | IA / SG | 6-13-23 | 30 | 07:30 | 4.0 | 15:30 | | | | | | AM BIENT ARL |
| CC-FA-02-20230613 | 04 | 40104 | 06602 | IA / SG | 6-13-23 | 30.0 | 09:20 | 17.0 | 17:10 | | | | | | FWGON ARL |
| CC-SS-02-20230613 | 05 | 9992 | F206 | IA / SG | 6-13-23 | 29.0 | 10:10 | 3.0 | 10:15 | | | | | | SUB-SUMS |
| CC-FA-04-20230613 | 06 | 21442 | 06607 | IA / SG | 6-13-23 | 30.0 | 9:00 | 5.0 | 17:00 | | | | | | FWGON ARL |
| CC-FA-03b-20230614 | 07 | 21484 | 07871 | IA / SG | 6-14-23 | 28.0 | 06:50 | 5.0 | 14:52 | | | | | | FWGON ARL |
| CC-SS-03b-20230614 | 08 | 8538 | 228 | IA / SG | 6-14-23 | 29.0 | 07:25 | 4.0 | 07:32 | | | | | | SUB-SUMS |

Sample IDs updated per Ali Jenkins 06/21/23 ME

| | | | | |
|-------------------------------------|---------------------|------------------------|----------------|--------------|
| Relinquished by: <u>[Signature]</u> | PRINT NAME | COMPANY | DATE | TIME |
| Relinquished by: <u>[Signature]</u> | <u>SACHIC FEKER</u> | <u>ANCHEON Q&A</u> | <u>6-14-23</u> | <u>15:55</u> |
| Received by: <u>[Signature]</u> | PRINT NAME | COMPANY | DATE | TIME |
| Received by: <u>[Signature]</u> | <u>DEEDE WEBBER</u> | <u>FOR BT</u> | <u>6/14/23</u> | <u>13:55</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Avenue South
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www.friedmanandbruya.com

June 22, 2023

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

Dear Lab Data Manager:

Included are the results from the testing of material submitted on June 14, 2023 from the Carson Cleaners 212280-01.01, F&BI 306243 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0622R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 14, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 306243 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Anchor QEA</u> |
|----------------------|----------------------|
| 306243 -01 | CC-MW-01-GW-20230613 |
| 306243 -02 | TB-20230613 |
| 306243 -03 | CC-MW-2S-GW-20230613 |
| 306243 -04 | CC-MW-2D-GW-20230613 |
| 306243 -05 | CC-MW-03-GW-20230613 |
| 306243 -06 | BP-MW-27-GW-20230613 |
| 306243 -07 | BP-MW-28-GW-20230613 |
| 306243 -08 | CC-MW-4D-GW-20230614 |
| 306243 -09 | BP-MW-29-GW-20230614 |
| 306243 -10 | MW-25-GW-20230614 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-01-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-01 1/100 |
| Date Analyzed: | 06/20/23 | Data File: | 062027.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 108 | 71 | 132 |
| Toluene-d8 | 99 | 68 | 139 |
| 4-Bromofluorobenzene | 98 | 62 | 136 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <2 |
| trans-1,2-Dichloroethene | <5 |
| cis-1,2-Dichloroethene | 59 |
| Trichloroethene | 210 |
| Tetrachloroethene | 2,300 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------|-------------|------------------------------|
| Client Sample ID: | TB-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-02 |
| Date Analyzed: | 06/20/23 | Data File: | 062012.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 91 | 71 | 132 |
| Toluene-d8 | 98 | 68 | 139 |
| 4-Bromofluorobenzene | 97 | 62 | 136 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-2S-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-03 |
| Date Analyzed: | 06/20/23 | Data File: | 062022.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 102 | 71 | 132 |
| Toluene-d8 | 99 | 68 | 139 |
| 4-Bromofluorobenzene | 102 | 62 | 136 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| Trichloroethene | <0.05 |
| Tetrachloroethene | 0.23 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-2D-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-04 |
| Date Analyzed: | 06/20/23 | Data File: | 062023.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 100 | 71 | 132 |
| Toluene-d8 | 97 | 68 | 139 |
| 4-Bromofluorobenzene | 99 | 62 | 136 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 |
| Trichloroethene | 0.082 |
| Tetrachloroethene | 2.1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-03-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-05 |
| Date Analyzed: | 06/20/23 | Data File: | 062019.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 100 | 71 | 132 |
| Toluene-d8 | 98 | 68 | 139 |
| 4-Bromofluorobenzene | 102 | 62 | 136 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | BP-MW-27-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-06 |
| Date Analyzed: | 06/20/23 | Data File: | 062024.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

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

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 0.024 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | 0.050 |
| Trichloroethene | 0.19 |
| Tetrachloroethene | 67 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | BP-MW-28-GW-20230613 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-07 |
| Date Analyzed: | 06/20/23 | Data File: | 062025.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

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

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | <0.05 |
| cis-1,2-Dichloroethene | 0.19 |
| Trichloroethene | 0.28 |
| Tetrachloroethene | 28 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | CC-MW-4D-GW-20230614 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-08 |
| Date Analyzed: | 06/20/23 | Data File: | 062020.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 102 | 71 | 132 |
| Toluene-d8 | 100 | 68 | 139 |
| 4-Bromofluorobenzene | 97 | 62 | 136 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | <0.02 |
| trans-1,2-Dichloroethene | 0.32 |
| cis-1,2-Dichloroethene | 1.6 |
| Trichloroethene | 0.26 |
| Tetrachloroethene | 0.16 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------------|-------------|------------------------------|
| Client Sample ID: | BP-MW-29-GW-20230614 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-09 |
| Date Analyzed: | 06/20/23 | Data File: | 062021.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 98 | 71 | 132 |
| Toluene-d8 | 103 | 68 | 139 |
| 4-Bromofluorobenzene | 100 | 62 | 136 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|-------------------|-------------|------------------------------|
| Client Sample ID: | MW-25-GW-20230614 | Client: | Anchor QEA |
| Date Received: | 06/14/23 | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 306243-10 1/10 |
| Date Analyzed: | 06/20/23 | Data File: | 062026.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 91 | 71 | 132 |
| Toluene-d8 | 97 | 68 | 139 |
| 4-Bromofluorobenzene | 97 | 62 | 136 |

| Compounds: | Concentration ug/L (ppb) |
|--------------------------|-----------------------------|
| Vinyl chloride | 66 |
| trans-1,2-Dichloroethene | 68 |
| cis-1,2-Dichloroethene | 350 |
| Trichloroethene | 48 |
| Tetrachloroethene | 17 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

| | | | |
|-------------------|----------------|-------------|------------------------------|
| Client Sample ID: | Method Blank | Client: | Anchor QEA |
| Date Received: | Not Applicable | Project: | Carson Cleaners 212280-01.01 |
| Date Extracted: | 06/20/23 | Lab ID: | 03-1453 mb |
| Date Analyzed: | 06/20/23 | Data File: | 062007.D |
| Matrix: | Water | Instrument: | GCMS13 |
| Units: | ug/L (ppb) | Operator: | MD |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 94 | 71 | 132 |
| Toluene-d8 | 96 | 68 | 139 |
| 4-Bromofluorobenzene | 98 | 62 | 136 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/22/23

Date Received: 06/14/23

Project: Carson Cleaners 212280-01.01, F&BI 306243

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

Laboratory Code: 306243-05 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent | Acceptance |
|--------------------------|--------------------|----------------|------------------|----------------|------------|
| | | | | Recovery MS | Criteria |
| Vinyl chloride | ug/L (ppb) | 10 | <0.02 | 90 | 16-176 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 10 | <1 | 94 | 50-150 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | <1 | 92 | 50-150 |
| Trichloroethene | ug/L (ppb) | 10 | <0.5 | 87 | 43-133 |
| Tetrachloroethene | ug/L (ppb) | 10 | <1 | 105 | 50-150 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | Percent | Acceptance Criteria | RPD (Limit 20) |
|--------------------------|--------------------|----------------|-----------------|-------------------|------------------------|-------------------|
| | | | Recovery LCS | Recovery LCS D | | |
| Vinyl chloride | ug/L (ppb) | 10 | 98 | 95 | 43-149 | 3 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 10 | 102 | 99 | 70-130 | 3 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 10 | 104 | 99 | 70-130 | 5 |
| Trichloroethene | ug/L (ppb) | 10 | 101 | 93 | 70-130 | 8 |
| Tetrachloroethene | ug/L (ppb) | 10 | 103 | 102 | 70-130 | 1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

306243

SAMPLE CHAIN OF CUSTODY

6/14/23

VW5

Report To Jennifer Marzulla

Company Anichon Oak

Address 1201 3rd Ave #2600

City, State, ZIP Seattle, WA 98101

Phone 206 287 9130 Email LAB DATA ATTACHE@ANICHON.OAK.COM

SAMPLERS (signature) *SBS*

PROJECT NAME CARSON CLEMENS

REMARKS SET Sdapp

PROJECT SPECIFIC RIS? Yes / No

Project specific RIS? Yes / No

PO #

212280-01-01

INVOICE TO

LAB DATA ATTACHE@ANICHON.OAK.COM

Page # 1 of 1

TURNAROUND TIME

Standard turnaround

RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Notes |
|----------------------|--------|--------------|--------------|------------------|-----------|----------|----------|---------------|------------|-------------------------------------|---------------|---------------|-----------------------------|
| CC-MW-01-GW-20230613 | 01A-C | 6-13-23 | 1320 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | Ground water |
| TB-20230613 | 02A-B | 6-13-23 | 0800 | H ₂ O | 2 | | | | | <input checked="" type="checkbox"/> | | | TRSP Below |
| CC-MW-26-GW-20230613 | 03A-C | 6-13-23 | 1710 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | 25 = 2 SHALLOW GROUND WATER |
| CC-MW-20-GW-20230613 | 04 | | 1745 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | 20 = 2 DEEP |
| CC-MW-03-GW-20230613 | 05 | | 1550 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | |
| BP-MW-27-GW-20230613 | 06 | | 1440 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | |
| BP-MW-28-GW-20230613 | 07 | | 1505 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | Groundwater |
| CC-MW-40-GW-20230614 | 08 | 6-14-23 | 1105 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | 40 = 4 DEEP |
| BP-MW-29-GW-20230614 | 09 | 6-14-23 | 1110 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | |
| MW-25-GW-20230614 | 10 | 6-14-23 | 0755 | H ₂ O | 3 | | | | | <input checked="" type="checkbox"/> | | | Groundwater |

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: *[Signature]*

Received by: *[Signature]*

Relinquished by: *[Signature]*

Received by: *[Signature]*

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

[Signature]
RACHEL FICKER

ANCHOR OAK

6-14-23 15:55

[Signature]
Dee Dee Webber

F + BI

6/14/23 13:55

Samples received at 2:00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

July 6, 2023

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

Dear Lab Data Manager:

Included are the canister certification results for samples submitted on June 14, 2023 from the Carson Cleaners 212280-01.01, F&BI 306242 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Jennifer Marsalla, Ali Judkins
ACQ0706R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 14, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 306242 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Anchor QEA</u> | <u>Canister ID</u> |
|----------------------|--------------------|--------------------|
| 306242 -01 | CC-IA-01-20230613 | 20545 |
| 306242 -02 | CC-SS-01-20230613 | 8532 |
| 306242 -03 | CC-AA-01-20230613 | 18574 |
| 306242 -04 | CC-IA-02-20230613 | 40704 |
| 306242 -05 | CC-SS-02-20230613 | 9992 |
| 306242 -06 | CC-IA-04-20230613 | 21442 |
| 306242 -07 | CC-IA-03b-20230614 | 21484 |
| 306242 -08 | CC-SS-03b-20230614 | 8538 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 20545 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 20545 |
| Date Analyzed: | 06/08/23 | Data File: | 060723.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethene | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 8532 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 8532 |
| Date Analyzed: | 05/12/23 | Data File: | 051215.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

| | | | |
|----------------------|-----------|--------|--------|
| | % | Lower | Upper |
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 87 | 70 | 130 |

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 18574 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 18574 |
| Date Analyzed: | 06/07/23 | Data File: | 060719.D |
| Matrix: | Air | Instrument: | GCMS8 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethene | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 40704 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 40704 |
| Date Analyzed: | 06/07/23 | Data File: | 060722.D |
| Matrix: | Air | Instrument: | GCMS8 |
| Units: | ug/m3 | Operator: | bat |

| | | | |
|----------------------|-----------|--------|--------|
| | % | Lower | Upper |
| Surrogates: | Recovery: | Limit: | Limit: |
| 4-Bromofluorobenzene | 95 | 70 | 130 |

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethene | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 9992 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 9992 |
| Date Analyzed: | 06/08/23 | Data File: | 060725.D |
| Matrix: | Air | Instrument: | GCMS7 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethene | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 21442 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 21442 |
| Date Analyzed: | 06/08/23 | Data File: | 060724.D |
| Matrix: | Air | Instrument: | GCMS8 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethane | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 21484 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 21484 |
| Date Analyzed: | 06/08/23 | Data File: | 060727.D |
| Matrix: | Air | Instrument: | GCMS8 |
| Units: | ug/m3 | Operator: | bat |

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

| Compounds: | Concentration | | Compounds: | Concentration | |
|-----------------------------|---------------|-------|---------------------------|---------------|--------|
| | ug/m3 | ppbv | | ug/m3 | ppbv |
| Propene | <1.2 | <0.7 | 1,2-Dichloropropane | <0.23 | <0.05 |
| Dichlorodifluoromethane | <0.99 | <0.2 | 1,4-Dioxane | <0.36 | <0.1 |
| Chloromethane | <3.7 | <1.8 | 2,2,4-Trimethylpentane | <4.7 | <1 |
| F-114 | <2.1 | <0.3 | Methyl methacrylate | <4.1 | <1 |
| Vinyl chloride | <0.26 | <0.1 | Heptane | <4.1 | <1 |
| 1,3-Butadiene | <0.044 | <0.02 | Bromodichloromethane | <0.067 | <0.01 |
| Butane | <4.8 | <2 | Trichloroethene | <0.11 | <0.02 |
| Bromomethane | <3.9 | <1 | cis-1,3-Dichloropropene | <0.91 | <0.2 |
| Chloroethane | <2.6 | <1 | 4-Methyl-2-pentanone | <8.2 | <2 |
| Vinyl bromide | <0.44 | <0.1 | trans-1,3-Dichloropropene | <0.45 | <0.1 |
| Ethanol | <7.5 | <4 | Toluene | <7.5 | <2 |
| Acrolein | <0.11 | <0.05 | 1,1,2-Trichloroethane | <0.055 | <0.01 |
| Pentane | <5.9 | <2 | 2-Hexanone | <4.1 | <1 |
| Trichlorofluoromethane | <2.2 | <0.4 | Tetrachloroethene | <6.8 | <1 |
| Acetone | <4.8 | <2 | Dibromochloromethane | <0.085 | <0.01 |
| 2-Propanol | <8.6 | <3.5 | 1,2-Dibromoethane (EDB) | <0.077 | <0.01 |
| 1,1-Dichloroethane | <0.4 | <0.1 | Chlorobenzene | <0.46 | <0.1 |
| trans-1,2-Dichloroethene | <0.4 | <0.1 | Ethylbenzene | <0.43 | <0.1 |
| Methylene chloride | <35 | <10 | 1,1,2,2-Tetrachloroethane | <0.14 | <0.02 |
| t-Butyl alcohol (TBA) | <12 | <4 | Nonane | <5.2 | <1 |
| 3-Chloropropene | <3.1 | <1 | Isopropylbenzene | <9.8 | <2 |
| CFC-113 | <1.5 | <0.2 | 2-Chlorotoluene | <5.2 | <1 |
| Carbon disulfide | <6.2 | <2 | Propylbenzene | <4.9 | <1 |
| Methyl t-butyl ether (MTBE) | <7.2 | <2 | 4-Ethyltoluene | <4.9 | <1 |
| Vinyl acetate | <7 | <2 | m,p-Xylene | <0.87 | <0.2 |
| 1,1-Dichloroethane | <0.4 | <0.1 | o-Xylene | <0.43 | <0.1 |
| cis-1,2-Dichloroethene | <0.4 | <0.1 | Styrene | <0.85 | <0.2 |
| Hexane | <3.5 | <1 | Bromoform | <2.1 | <0.2 |
| Chloroform | <0.049 | <0.01 | Benzyl chloride | <0.052 | <0.01 |
| Ethyl acetate | <7.2 | <2 | 1,3,5-Trimethylbenzene | <4.9 | <1 |
| Tetrahydrofuran | <0.59 | <0.2 | 1,2,4-Trimethylbenzene | <4.9 | <1 |
| 2-Butanone (MEK) | <5.9 | <2 | 1,3-Dichlorobenzene | <0.6 | <0.1 |
| 1,2-Dichloroethane (EDC) | <0.04 | <0.01 | 1,4-Dichlorobenzene | <0.23 | <0.038 |
| 1,1,1-Trichloroethane | <0.55 | <0.1 | 1,2-Dichlorobenzene | <0.6 | <0.1 |
| Carbon tetrachloride | <0.31 | <0.05 | 1,2,4-Trichlorobenzene | <0.74 | <0.1 |
| Benzene | <0.32 | <0.1 | Naphthalene | <0.11 | <0.02 |
| Cyclohexane | <6.9 | <2 | Hexachlorobutadiene | <0.21 | <0.02 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

| | | | |
|-----------------|----------|-------------|---|
| Canister ID: | 8538 | Client: | Anchor QEA |
| Date Received: | N/A | Project: | Carson Cleaners 212280-01.01, F&BI 306242 |
| Date Collected: | N/A | Lab ID: | 8538 |
| Date Analyzed: | 05/19/23 | Data File: | 051911.D |
| Matrix: | Air | Instrument: | GCMS8 |
| Units: | ug/m3 | Operator: | bat |

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits due to sample matrix effects.
- j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

06/14/23

Page # 1 of 1

Report To: JENNIFER MARRASIA
 Company: ANCHOR D&A
 Address: 1201 3rd Ave, #2600
 City, State, ZIP: SEATTLE, WA, 98101
 Phone: 2062879132 Email: ANCHOR.D&A.COM

| | | |
|---------------------------------|--|-----------------------------|
| SAMPLERS (signature) <u>SBS</u> | PROJECT NAME & ADDRESS <u>CH250W CLEARWATER</u> <u>4701 BRADLEY W AVE NE</u> | PO # <u>211280-01.01</u> |
| NOTES: <u>SEE SIA APP</u> | INVOICE TO <u>CH2 DATA</u> <u>ATTN: J</u> <u>ANCHOR.D&A.COM</u> | |

| | |
|---|--|
| TURNAROUND TIME <u>Standard</u> RUSH Rush charges authorized by: | SAMPLE DISPOSAL Default: Clean following final report delivery Hold (Fee may apply): |
|---|--|

SAMPLE INFORMATION

| Sample Name | Lab ID | Canister ID | Flow Cont. ID | Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One) | Date Sampled | Initial Vac. (°Hg) | Field Initial Time | Final Vac. (°Hg) | Field Final Time | TO15 Full Scan | TO15 BTEXN | TO15 cVOCs | APH | Helium | IND. CERT | Notes |
|--------------------|--------|-------------|---------------|--|--------------|--------------------|--------------------|------------------|------------------|----------------|------------|------------|-----|--------|-----------|-------------|
| CC-IA-01-20230613 | 01 | 20545 | F6606 | IA / SG | 6-13-23 | 31.0 | 7:35 | 5 | 15:35 | | | X | | | ✓ | FRAGILE WFL |
| CC-SS-01-20230613 | 02 | 8532 | 201 | IA / SG | 6-13-23 | 28.5 | 10:38 | 3.0 | 10:45 | | | X | | | ✓ | SUB-SUM |
| CC-AA-01-20230613 | 03 | 18374 | 06604 | IA / SG | 6-13-23 | 30 | 07:30 | 4.0 | 15:30 | | | X | | | ✓ | AMBIENT WFL |
| CC-IA-02-20230613 | 04 | 40304 | 06602 | IA / SG | 6-13-23 | 30.0 | 09:20 | 3.0 | 17:10 | | | X | | | ✓ | FRAGILE WFL |
| CC-SS-02-20230613 | 05 | 9992 | F206 | IA / SG | 6-13-23 | 29.0 | 10:10 | 3.0 | 10:15 | | | X | | | ✓ | SUB-SUM |
| CC-IA-04-20230613 | 06 | 21442 | 06607 | IA / SG | 6-13-23 | 30.0 | 9:00 | 5.0 | 17:00 | | | X | | | ✓ | FRAGILE WFL |
| CC-IA-03b-20230614 | 07 | 21444 | 07871 | IA / SG | 6-14-23 | 28.0 | 06:50 | 5.0 | 14:52 | | | X | | | ✓ | FRAGILE WFL |
| CC-SS-03b-20230614 | 08 | 8538 | 228 | IA / SG | 6-14-23 | 29.0 | 07:25 | 4.0 | 07:32 | | | X | | | ✓ | SUB-SUM |

Sample IDs updated per Ali Jenkins 06/21/23 ME

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

| | | | | |
|-------------------------------------|---------------------|-----------------------|----------------|--------------|
| Relinquished by: <u>[Signature]</u> | PRINT NAME | COMPANY | DATE | TIME |
| Relinquished by: <u>[Signature]</u> | <u>SACHIC AKER</u> | <u>ANCHOR D&A</u> | <u>6-14-23</u> | <u>15:55</u> |
| Received by: <u>[Signature]</u> | <u>DeDee Webber</u> | <u>FR BT</u> | <u>6/14/23</u> | <u>13:55</u> |
| Relinquished by: | | | | |
| Received by: | | | | |
| Received by: | | | | |

Attachment 2

Data Validation Reports



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor
1201 3rd Ave Suite 2600
Seattle, WA 98101
ATTN: Ms. Delaney Peterson

September 8, 2023

SUBJECT: Carson Cleaners - Data Validation

Dear Ms. Peterson,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on August 17, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57248:

| <u>SDG #</u> | <u>Fraction</u> |
|---------------------|------------------------|
| 306191 | Volatiles |
| 306242 | |
| 306243 | |

The data validation was performed under Stage 2B guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update I, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Stella Cuenco
scuenco@lab-data.com
Project Manager/Senior Chemist

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: September 6, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 306191

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|------------------------|----------------------------------|--------|-----------------|
| BP-MW-8-GW-20230612 | 306191-01 | Water | 06/12/23 |
| CC-MW-06-GW-20230612 | 306191-02 | Water | 06/12/23 |
| TB-20230612 | 306191-03 | Water | 06/12/23 |
| MW-20-GW-20230612 | 306191-04 | Water | 06/12/23 |
| MW-18-GW-20230612 | 306191-05 | Water | 06/12/23 |
| MW-1018-GW-20230612 | 306191-06 | Water | 06/12/23 |
| MW-28-GW-20230612 | 306191-07 | Water | 06/12/23 |
| MW-27-GW-20230612 | 306191-08 | Water | 06/12/23 |
| MW-22-GW-20230612 | 306191-09 | Water | 06/12/23 |
| MW-23-GW-20230612 | 306191-10 | Water | 06/12/23 |
| BP-MW-8-GW-20230612MS | 306191-01MS | Water | 06/12/23 |
| BP-MW-8-GW-20230612MSD | 306191-01MSD | Water | 06/12/23 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-20230612 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

| Spike ID (Associated Samples) | Analyte | MS (%R) (Limits) | MSD (%R) (Limits) | Flag | A or P |
|--|-------------------|---------------------|----------------------|-----------------|--------|
| BP-MW-8-GW-20230612MS/MSD (BP-MW-8-GW-20230612) | Tetrachloroethene | 21 (60-140) | 7 (60-140) | J (all detects) | A |

Relative percent differences (RPD) were within QC limits with the following exceptions:

| Spike ID (Associated Samples) | Analyte | RPD (Limits) | Flag | A or P |
|--|-------------------|-----------------|-----------------|--------|
| BP-MW-8-GW-20230612MS/MSD (BP-MW-8-GW-20230612) | Tetrachloroethene | 100 (≤30) | J (all detects) | A |

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

Samples MW-18-GW-20230612 and MW-1018-GW-20230612 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

| Analyte | Concentration (ug/L) | | RPD |
|-------------------|----------------------|---------------------|-----|
| | MW-18-GW-20230612 | MW-1018-GW-20230612 | |
| Trichloroethene | 0.16 | 0.32 | 67 |
| Tetrachloroethene | 0.86 | 1.6 | 60 |

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to MS/MSD %R and RPD, data were qualified as estimated in one sample.

**Carson Cleaners
Volatiles - Data Qualification Summary - SDG 306191**

| Sample | Analyte | Flag | A or P | Reason |
|---------------------|-------------------|-----------------|--------|---|
| BP-MW-8-GW-20230612 | Tetrachloroethene | J (all detects) | A | Matrix spike/Matrix spike duplicate (%R)(RPD) |

**Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 306191**

No Sample Data Qualified in this SDG

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|-------|--|-------|----------------------------------|
| I. | Sample receipt/Technical holding times | A / A | |
| II. | GC/MS Instrument performance check | A | |
| III. | Initial calibration/ICV | A / A | RSD \leq 20% ICV \leq 30% |
| IV. | Continuing calibration | A | %D \leq 20% |
| V. | Laboratory Blanks | A | |
| VI. | Field blanks | ND | TB = 3 |
| VII. | Surrogate spikes | A | |
| VIII. | Matrix spike/Matrix spike duplicates | SW | |
| IX. | Laboratory control samples | A | LCS |
| X. | Field duplicates | SW | D = 5/6 |
| XI. | Internal standards | A | |
| XII. | Target analyte quantitation | N | |
| XIII. | Target analyte identification | N | |
| XIV. | Overall assessment of data | A | |

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet
 ND = No compounds detected
 R = Rinsate
 FB = Field blank
 D = Duplicate
 TB = Trip blank
 EB = Equipment blank
 SB=Source blank
 OTHER:

| | Client ID | Lab ID | Matrix | Date |
|----|------------------------|--------------|--------|----------|
| 1 | BP-MW-8-GW-20230612 | 306191-01 | Water | 06/12/23 |
| 2 | CC-MW-06-GW-20230612 | 306191-02 | Water | 06/12/23 |
| 3 | TB-20230612 | 306191-03 | Water | 06/12/23 |
| 4 | MW-20-GW-20230612 | 306191-04 | Water | 06/12/23 |
| 5 | MW-18-GW-20230612 | 306191-05 | Water | 06/12/23 |
| 6 | MW-1018-GW-20230612 | 306191-06 | Water | 06/12/23 |
| 7 | MW-28-GW-20230612 | 306191-07 | Water | 06/12/23 |
| 8 | MW-27-GW-20230612 | 306191-08 | Water | 06/12/23 |
| 9 | MW-22-GW-20230612 | 306191-09 | Water | 06/12/23 |
| 10 | MW-23-GW-20230612 | 306191-10 | Water | 06/12/23 |
| 11 | BP-MW-8-GW-20230612MS | 306191-01MS | Water | 06/12/23 |
| 12 | BP-MW-8-GW-20230612MSD | 306191-01MSD | Water | 06/12/23 |
| 13 | | | | |
| 14 | 03-1112 MB | | | |
| 15 | | | | |

(C, PPP, QQQ, S, AA)

TARGET COMPOUND WORKSHEET

METHOD: VOA

| | | | | | |
|------------------------------|---------------------------------|--|-----------------------------------|----------------------------|--------------------------------|
| A. Chloromethane | AA. Tetrachloroethene | AAA. 1,3,5-Trimethylbenzene | AAAA. Ethyl tert-butyl ether | A1. 1,3-Butadiene | A2. 1,2,4,5-Tetramethylbenzene |
| B. Bromomethane | BB. 1,1,2,2-Tetrachloroethane | BBB. 4-Chlorotoluene | BBBB. tert-Amyl methyl ether | B1. Hexane | B2. Octane |
| C. Vinyl chloride | CC. Toluene | CCC. tert-Butylbenzene | CCCC. 1-Chlorohexane | C1. Heptane | C2. n-Propyl alcohol |
| D. Chloroethane | DD. Chlorobenzene | DDD. 1,2,4-Trimethylbenzene | DDDD. Isopropyl alcohol | D1. Propylene | D2. n-Pentane |
| E. Methylene chloride | EE. Ethylbenzene | EEE. sec-Butylbenzene | EEEE. Acetonitrile | E1. Freon 11 | E2. n-Decane |
| F. Acetone | FF. Styrene | FFF. 1,3-Dichlorobenzene | FFFF. Acrolein | F1. Freon 12 | F2. Chlorodifluoromethane |
| G. Carbon disulfide | GG. Xylenes, total | GGG. p-Isopropyltoluene | GGGG. Acrylonitrile | G1. Freon 113 | G2. cis-decahydronaphthalene |
| H. 1,1-Dichloroethene | HH. Vinyl acetate | HHH. 1,4-Dichlorobenzene | HHHH. 1,4-Dioxane | H1. Freon 114 | H2. trans-decahydronaphthalene |
| I. 1,1-Dichloroethane | II. 2-Chloroethylvinyl ether | III. n-Butylbenzene | IIII. Isobutyl alcohol | I1. 2-Nitropropane | I2. n-Nonane |
| J. 1,2-Dichloroethene, total | JJ. Dichlorodifluoromethane | JJJ. 1,2-Dichlorobenzene | JJJJ. Methacrylonitrile | J1. Dimethyl disulfide | J2. n-Undecane |
| K. Chloroform | KK. Trichlorofluoromethane | KKK. 1,2,4-Trichlorobenzene | KKKK. Propionitrile | K1. 2,3-Dimethyl pentane | K2. |
| L. 1,2-Dichloroethane | LL. Methyl-tert-butyl ether | LLL. Hexachlorobutadiene | LLLL. Ethyl ether | L1. 2,4-Dimethyl pentane | L2. |
| M. 2-Butanone | MM. 1,2-Dibromo-3-chloropropane | MMM. Naphthalene | MMMM. Benzyl chloride | M1. 3,3-Dimethyl pentane | M2. |
| N. 1,1,1-Trichloroethane | NN. Methyl ethyl ketone | NNN. 1,2,3-Trichlorobenzene | NNNN. Iodomethane | N1. 2-Methylpentane | N2. |
| O. Carbon tetrachloride | OO. 2,2-Dichloropropane | OOO. 1,3,5-Trichlorobenzene | OOOO. 1,1-Difluoroethane | O1. 3-Methylpentane | O2. |
| P. Bromodichloromethane | PP. Bromochloromethane | PPP. trans-1,2-Dichloroethene | PPPP. Tetrahydrofuran | P1. 3-Ethylpentane | P2. |
| Q. 1,2-Dichloropropane | QQ. 1,1-Dichloropropene | QQQ. cis-1,2-Dichloroethene | QQQQ. Methyl acetate | Q1. 2,2-Dimethylpentane | Q2. |
| R. cis-1,3-Dichloropropene | RR. Dibromomethane | RRR. m,p-Xylenes | RRRR. Ethyl acetate | R1. 2,2,3-Trimethylbutane | R2. |
| S. Trichloroethene | SS. 1,3-Dichloropropane | SSS. o-Xylene | SSSS. Cyclohexane | S1. 2,2,4-Trimethylpentane | S2. |
| T. Dibromochloromethane | TT. 1,2-Dibromoethane | TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane | TTTT. Methylcyclohexane | T1. 2-Methylhexane | T2. |
| U. 1,1,2-Trichloroethane | UU. 1,1,1,2-Tetrachloroethane | UUU. 1,2-Dichlorotetrafluoroethane | UUUU. Allyl chloride | U1. Nonanal | U2. |
| V. Benzene | VV. Isopropylbenzene | VVV. 4-Ethyltoluene | VVVV. Methyl methacrylate | V1. 2-Methylnaphthalene | V2. |
| W. trans-1,3-Dichloropropene | WW. Bromobenzene | WWW. Ethanol | WWWWW. Ethyl methacrylate | W1. Methanol | W2. |
| X. Bromoform | XX. 1,2,3-Trichloropropane | XXX. Di-isopropyl ether | XXXX. cis-1,4-Dichloro-2-butene | X1. 1,2,3-Trimethylbenzene | X2. |
| Y. 4-Methyl-2-pentanone | YY. n-Propylbenzene | YYY. tert-Butanol | YYYY. trans-1,4-Dichloro-2-butene | Y1. 2-Propanol | Y2. |
| Z. 2-Hexanone | ZZ. 2-Chlorotoluene | ZZZ. tert-Butyl alcohol | ZZZZ. Pentachloroethane | Z1. p-Diethylbenzene | Z2. |

LDC #: 57248A1a

VALIDATION FINDINGS WORKSHEET Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: JVG

METHOD : GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

| # | MS/MSD ID | Compound | MS %R | MSD %R | %R Limits | RPD (Limits) | Associated Samples | Qualifications |
|---|-----------|----------|-------|--------|-----------|--------------|--------------------|----------------|
| | 11/12 | AA | 21 | 7 | 60-140 | () | 1 (Det) | J/N/A |
| | | AA | | | | 100 (30) | ↓ ↓ | J dets/A |
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METHOD: GCMS VOA (EPA SW 846 Method 8260D)

| Compound | Concentration (ug/L) | | RPD |
|----------|----------------------|------|-----|
| | 5 | 6 | |
| S | 0.16 | 0.32 | 67 |
| AA | 0.86 | 1.6 | 60 |

V:\Josephine\FIELD DUPLICATES\57248A1a anchor carson cleaners nq.wpd

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: September 6, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 306242

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-----------------------|----------------------------------|--------|-----------------|
| CC-IA-01-20230613 | 306242-01 | Air | 06/13/23 |
| CC-SS-01-20230613 | 306242-02 | Air | 06/13/23 |
| CC-AA-01-20230613 | 306242-03 | Air | 06/13/23 |
| CC-IA-02-20230613 | 306242-04 | Air | 06/13/23 |
| CC-SS-02-20230613 | 306242-05 | Air | 06/13/23 |
| CC-IA-04-20230613 | 306242-06 | Air | 06/13/23 |
| CC-IA-03b-20230614 | 306242-07 | Air | 06/14/23 |
| CC-SS-03b-20230614 | 306242-08 | Air | 06/14/23 |
| CC-IA-02-20230613DUP | 306242-04DUP | Air | 06/13/23 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 30.0% for all analytes.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

Canister blank analyses were performed for every sample canister. No contaminants were found in the canister blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits.

VIII. Duplicate Sample Analysis

Duplicate (DUP) sample analysis was performed on an associated project sample. Results were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Carson Cleaners
Volatiles - Data Qualification Summary - SDG 306242**

No Sample Data Qualified in this SDG

**Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 306242**

No Sample Data Qualified in this SDG

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|-------|--|------|--------------------------|
| I. | Sample receipt/Technical holding times | A, A | |
| II. | GC/MS Instrument performance check | A | |
| III. | Initial calibration/ICV | A, A | RSD ≤ 30% 1CV ≤ 30% |
| IV. | Continuing calibration | A | SD ≤ 30% |
| V. | Laboratory Blanks | A | |
| VI. | Field blanks | N | |
| VII. | Surrogate spikes | A | |
| VIII. | Duplicate sample analysis | A | |
| IX. | Laboratory control samples | A | LES |
| X. | Field duplicates | N | |
| XI. | Internal standards | A | |
| XII. | Target analyte quantitation | N | |
| XIII. | Target analyte identification | N | |
| XIV. | Leak Check Compounds | - | |
| XV. | Overall assessment of data | A | |

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | Matrix | Date |
|----|----------------------|--------------|--------|----------|
| 1 | CC-IA-01-20230613 | 306242-01 | Air | 06/13/23 |
| 2 | CC-SS-01-20230613 | 306242-02 | Air | 06/13/23 |
| 3 | CC-AA-01-20230613 | 306242-03 | Air | 06/13/23 |
| 4 | CC-IA-02-20230613 | 306242-04 | Air | 06/13/23 |
| 5 | CC-SS-02-20230613 | 306242-05 | Air | 06/13/23 |
| 6 | CC-IA-04-20230613 | 306242-06 | Air | 06/13/23 |
| 7 | CC-IA-03b-20230614 | 306242-07 | Air | 06/14/23 |
| 8 | CC-SS-03b-20230614 | 306242-08 | Air | 06/14/23 |
| 9 | CC-IA-02-20230613DUP | 306242-04DUP | Air | 06/13/23 |
| 10 | | | | |

Notes:

| | | | | | |
|---|------------|--|--|--|--|
| - | 03-1448 MB | | | | |
| - | 03-1454 ✓ | | | | |
| | | | | | |

(C, PPP, QQQ, S, AA)

Laboratory Data Consultants, Inc. Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: September 6, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 306243

| Sample Identification | Laboratory Sample Identification | Matrix | Collection Date |
|-------------------------|----------------------------------|--------|-----------------|
| CC-MW-01-GW-20230613 | 306243-01 | Water | 06/13/23 |
| TB-20230613 | 306243-02 | Water | 06/13/23 |
| CC-MW-2S-GW-20230613 | 306243-03 | Water | 06/13/23 |
| CC-MW-2D-GW-20230613 | 306243-04 | Water | 06/13/23 |
| CC-MW-03-GW-20230613 | 306243-05 | Water | 06/13/23 |
| BP-MW-27-GW-20230613 | 306243-06 | Water | 06/13/23 |
| BP-MW-28-GW-20230613 | 306243-07 | Water | 06/13/23 |
| CC-MW-4D-GW-20230614 | 306243-08 | Water | 06/14/23 |
| BP-MW-29-GW-20230614 | 306243-09 | Water | 06/14/23 |
| MW-25-GW-20230614 | 306243-10 | Water | 06/14/23 |
| CC-MW-03-GW-20230613MS | 306243-05MS | Water | 06/13/23 |
| CC-MW-03-GW-20230613MSD | 306243-05MSD | Water | 06/13/23 |

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

- J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.
- U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.
- R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
- NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-20230613 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

**Carson Cleaners
Volatiles - Data Qualification Summary - SDG 306243**

No Sample Data Qualified in this SDG

**Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 306243**

No Sample Data Qualified in this SDG

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

| | Validation Area | | Comments |
|-------|--|-------|------------------------|
| I. | Sample receipt/Technical holding times | A / A | |
| II. | GC/MS Instrument performance check | A | |
| III. | Initial calibration/ICV | A / A | RSD ≤ 20% ICV ≤ 30% |
| IV. | Continuing calibration | A | RSD ≤ 20% |
| V. | Laboratory Blanks | A | |
| VI. | Field blanks | ND | TB = 2 |
| VII. | Surrogate spikes | A | |
| VIII. | Matrix spike/Matrix spike duplicates | A | |
| IX. | Laboratory control samples | A | LCS / D |
| X. | Field duplicates | N | |
| XI. | Internal standards | A | |
| XII. | Target analyte quantitation | N | |
| XIII. | Target analyte identification | N | |
| XIV. | Overall assessment of data | A | |

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

| | Client ID | Lab ID | Matrix | Date |
|----|-------------------------|--------------|--------|----------|
| 1 | CC-MW-01-GW-20230613 | 306243-01 | Water | 06/13/23 |
| 2 | TB-20230613 | 306243-02 | Water | 06/13/23 |
| 3 | CC-MW-2S-GW-20230613 | 306243-03 | Water | 06/13/23 |
| 4 | CC-MW-2D-GW-20230613 | 306243-04 | Water | 06/13/23 |
| 5 | CC-MW-03-GW-20230613 | 306243-05 | Water | 06/13/23 |
| 6 | BP-MW-27-GW-20230613 | 306243-06 | Water | 06/13/23 |
| 7 | BP-MW-28-GW-20230613 | 306243-07 | Water | 06/13/23 |
| 8 | CC-MW-4D-GW-20230614 | 306243-08 | Water | 06/14/23 |
| 9 | BP-MW-29-GW-20230614 | 306243-09 | Water | 06/14/23 |
| 10 | MW-25-GW-20230614 | 306243-10 | Water | 06/14/23 |
| 11 | CC-MW-03-GW-20230613MS | 306243-05MS | Water | 06/13/23 |
| 12 | CC-MW-03-GW-20230613MSD | 306243-05MSD | Water | 06/13/23 |
| 13 | | | | |
| 14 | 03-1453 MB | | | |
| 15 | | | | |

(C, PPP, QQQ, S, AA)