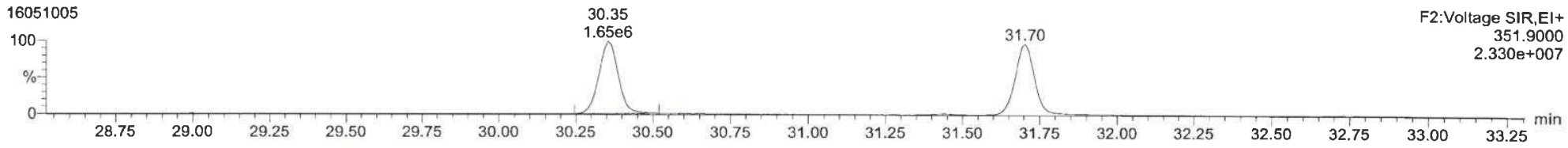
Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

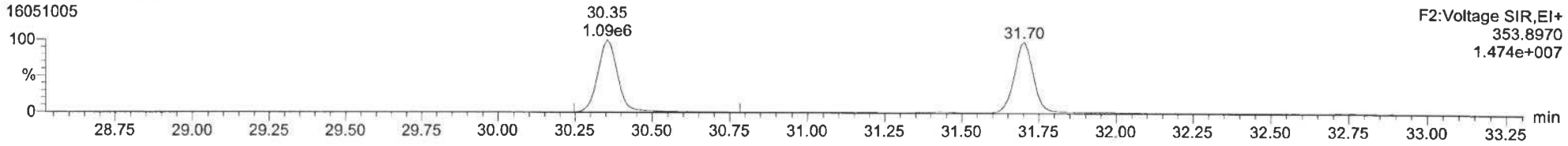
CS2AA 06/30/16

ID: ~~CS1~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

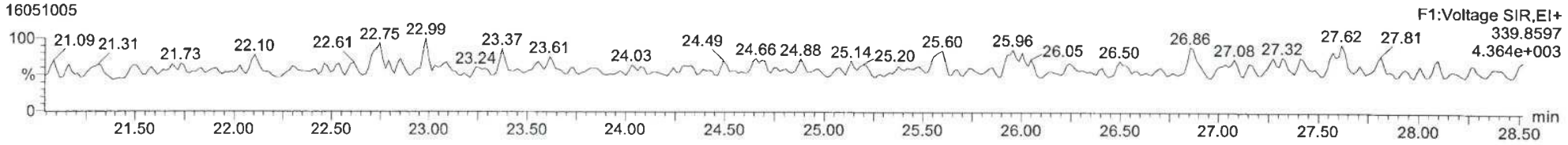
13C-12378-PeCDF



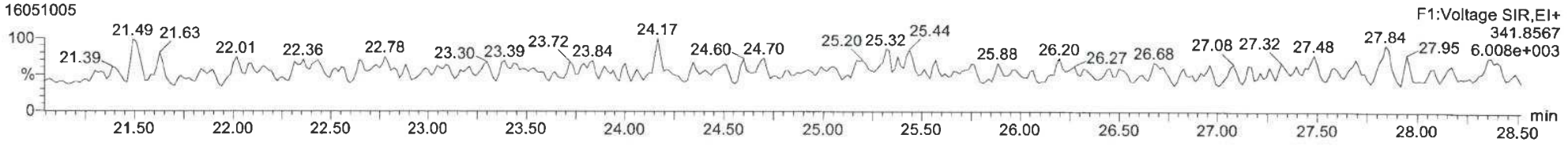
13C-12378-PeCDF



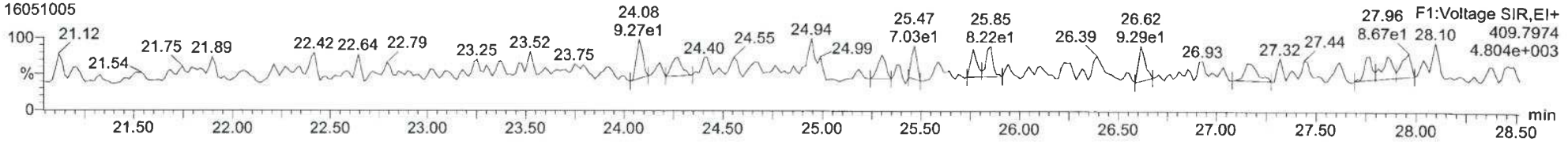
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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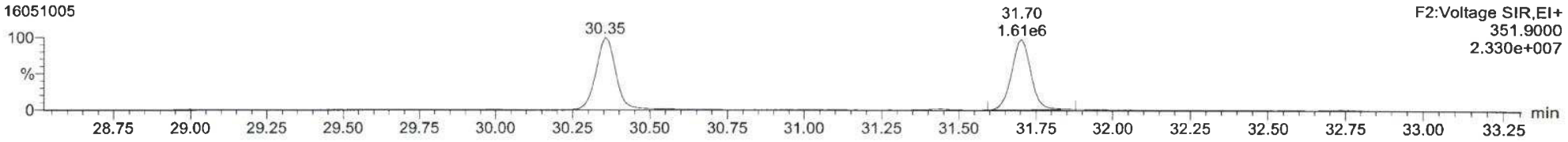
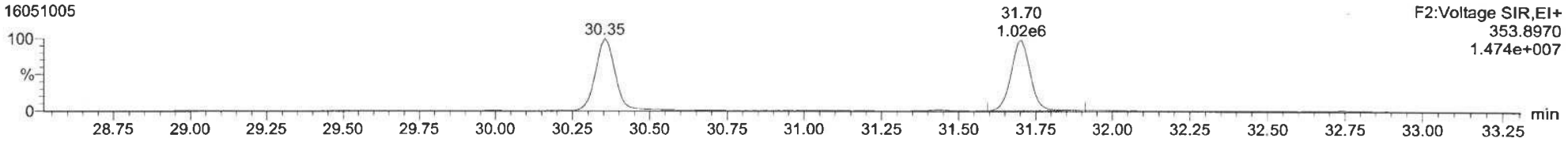
CS2AA 06/30/16

ID: ~~CS1~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

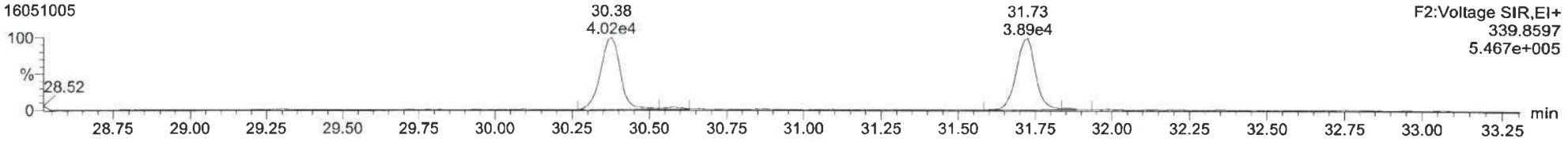
13C-23478-PeCDF



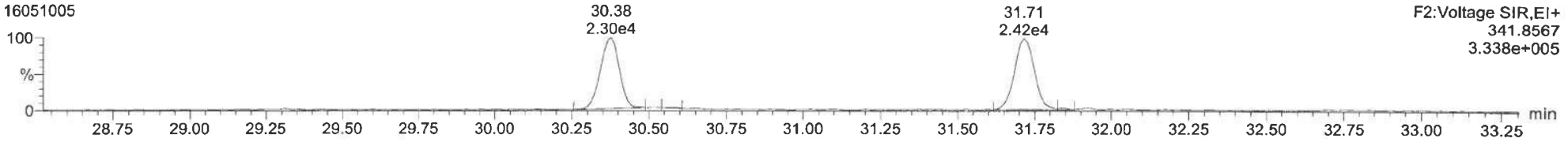
13C-23478-PeCDF



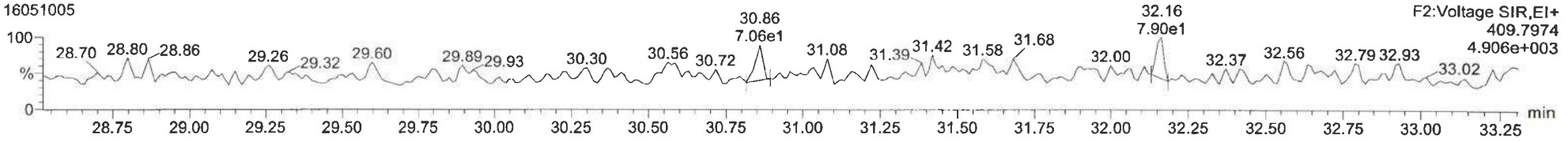
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



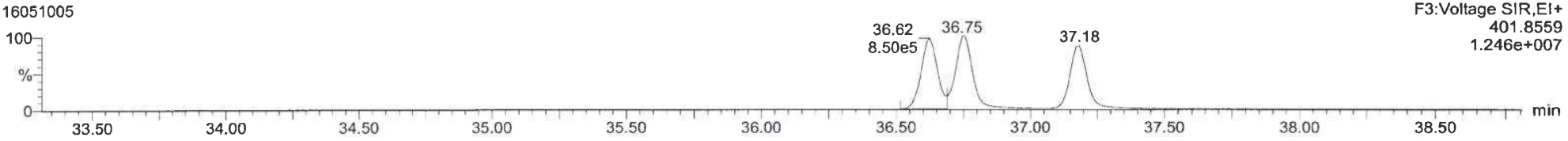
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

CS2AA 06/30/16

ID: CS1, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

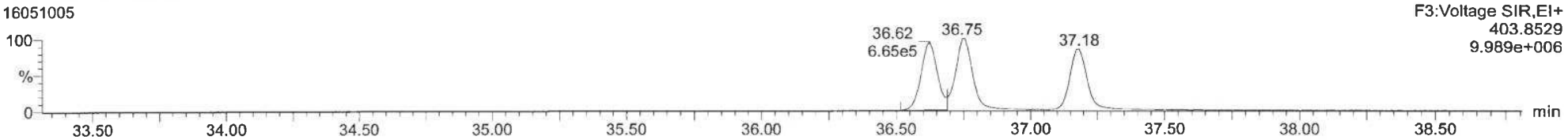
13C-123478-HxCDD

16051005



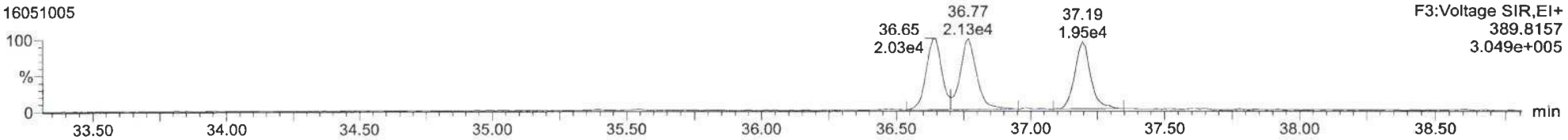
13C-123478-HxCDD

16051005



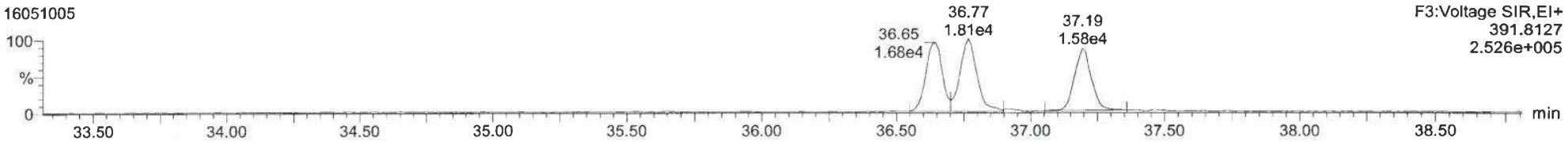
Total-hexadioxins

16051005



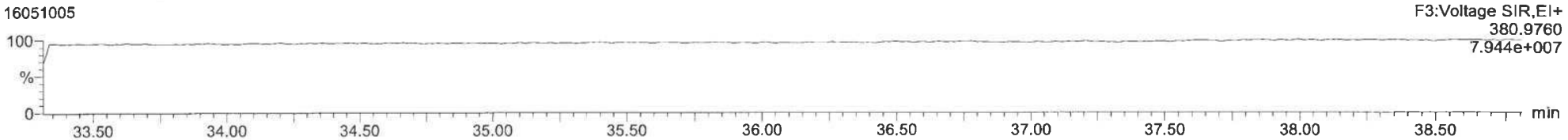
Total-hexadioxins

16051005



FUNCTION3 PFK

16051005

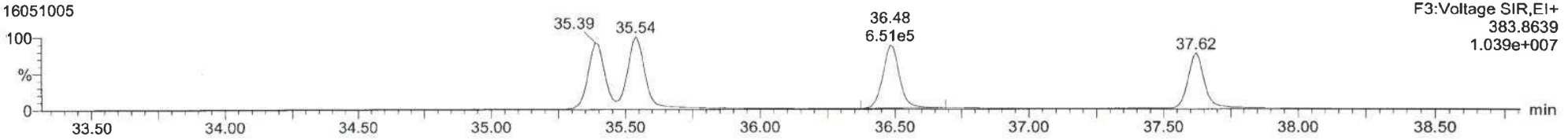


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

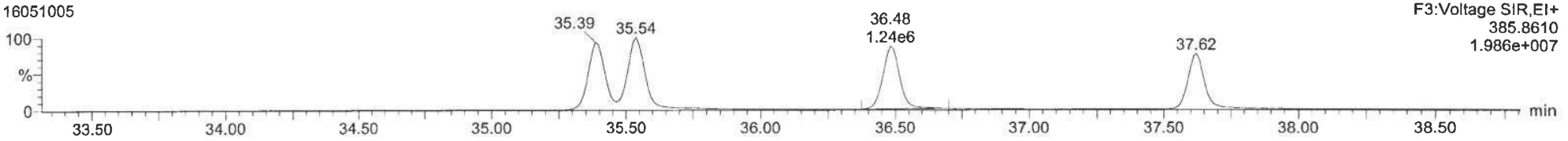
CS2AA 06/30/16

ID: ~~CS1~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

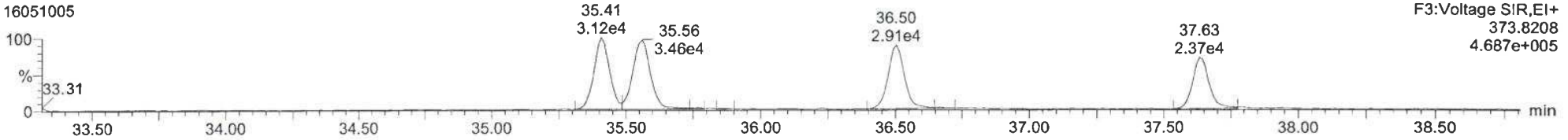
13C-234678-HxCDF



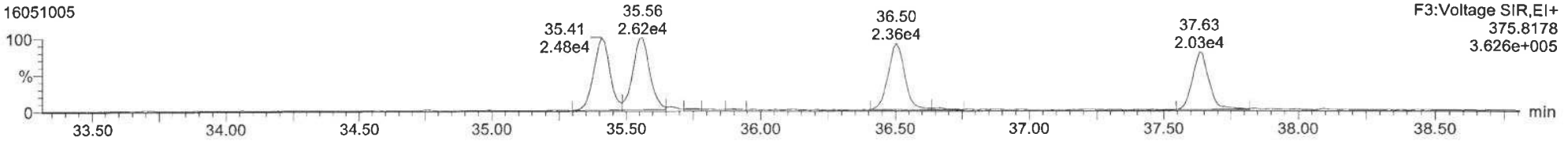
13C-234678-HxCDF



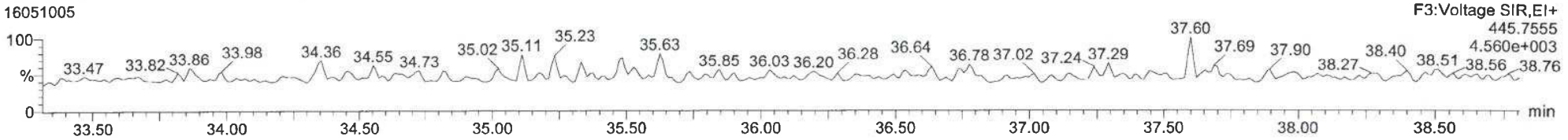
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE

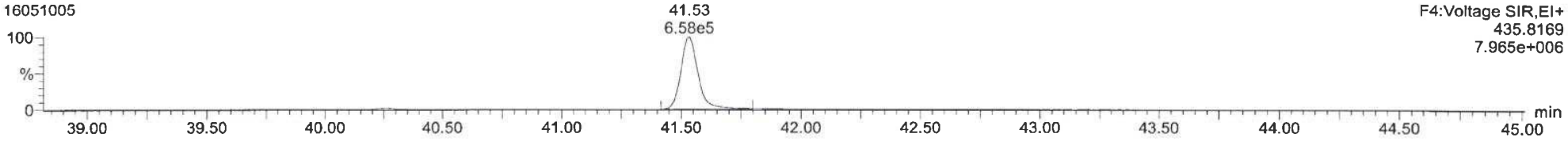


Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

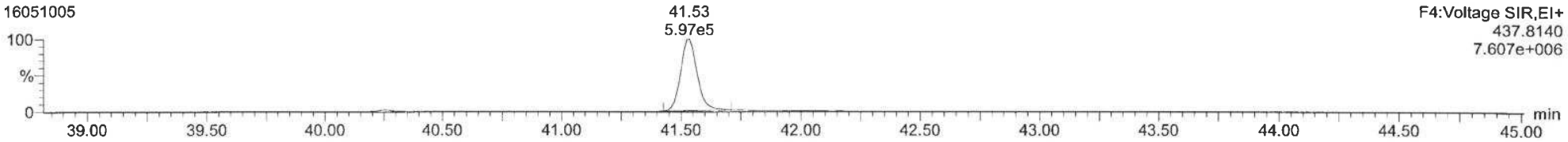
CS2AA 06/30/16

ID: ~~CS1~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

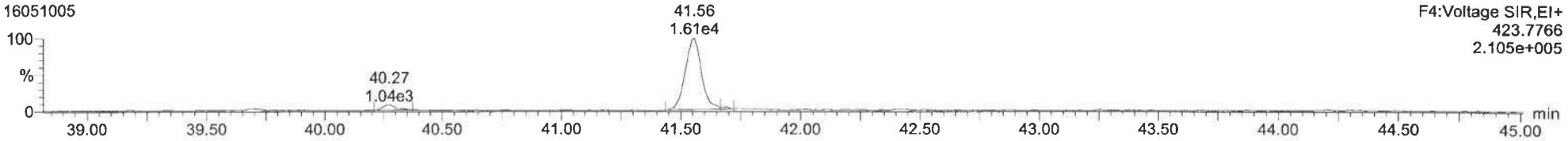
13C-1234678-HpCDD



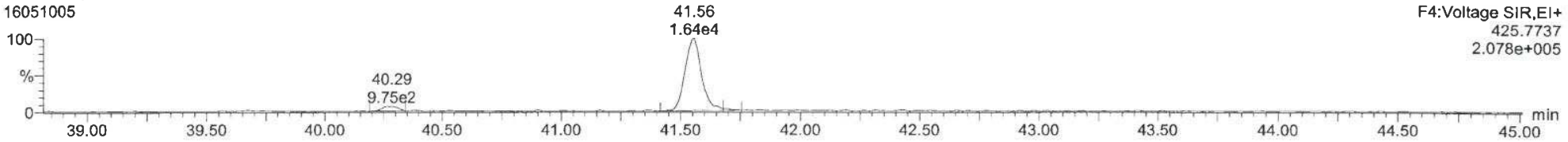
13C-1234678-HpCDD



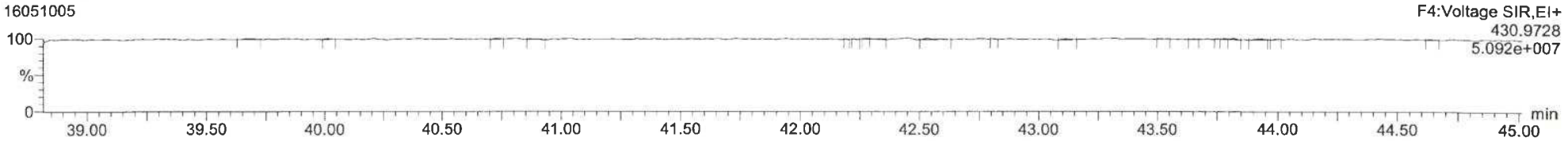
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK

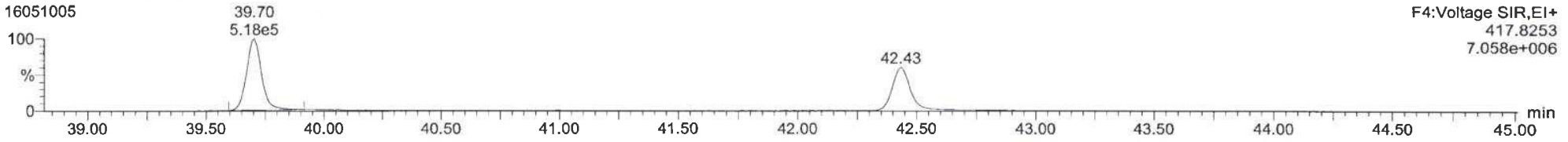


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

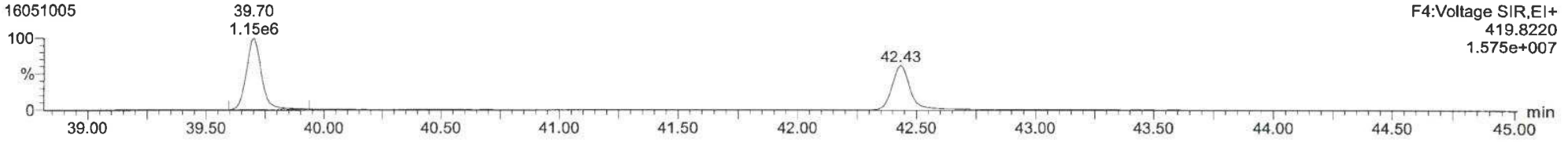
CS2AA 06/30/16

ID: ~~CS4~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

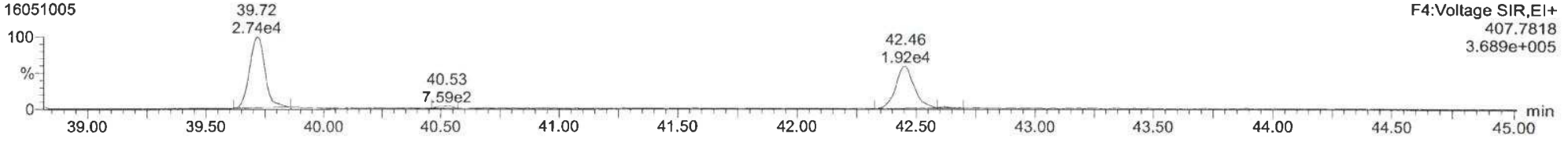
13C-1234678-HpCDF



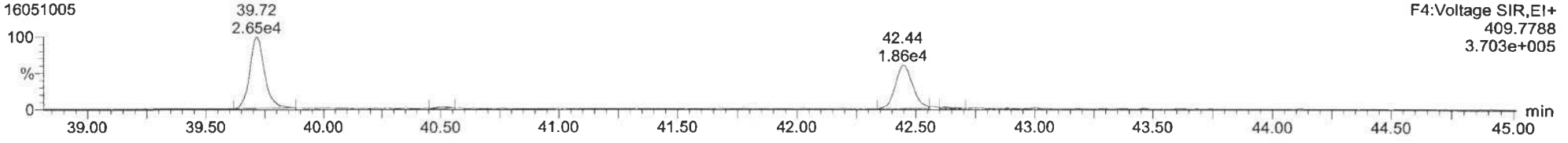
13C-1234678-HpCDF



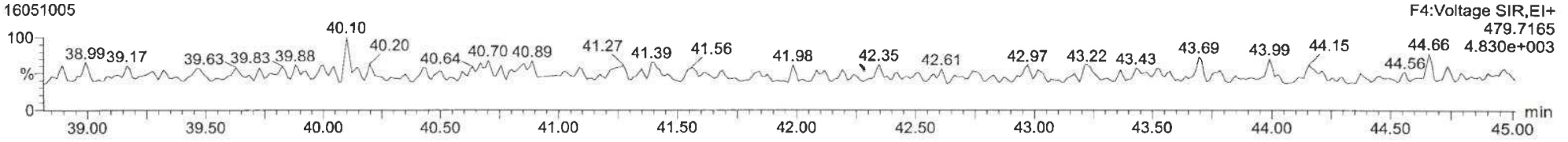
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE

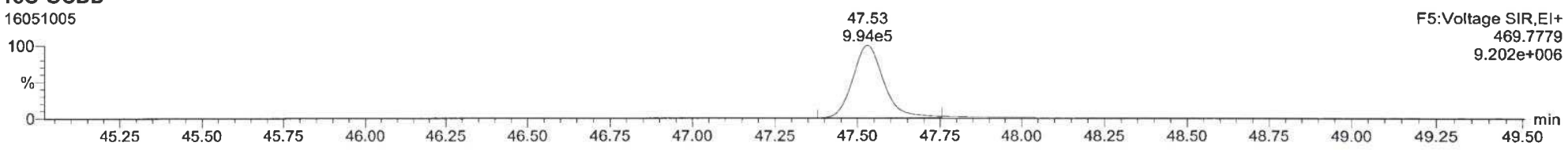


Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

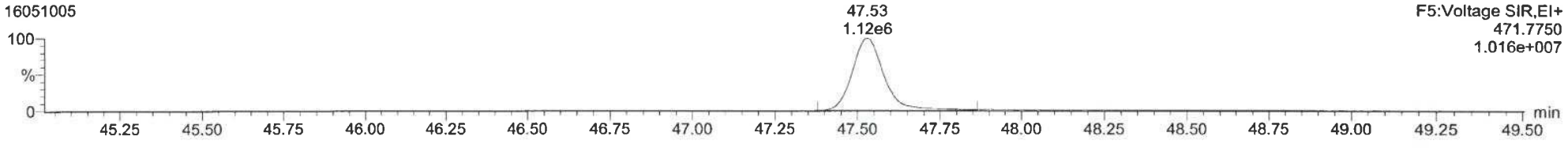
CS2AA 04/30/16

ID: ~~CS1~~, Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

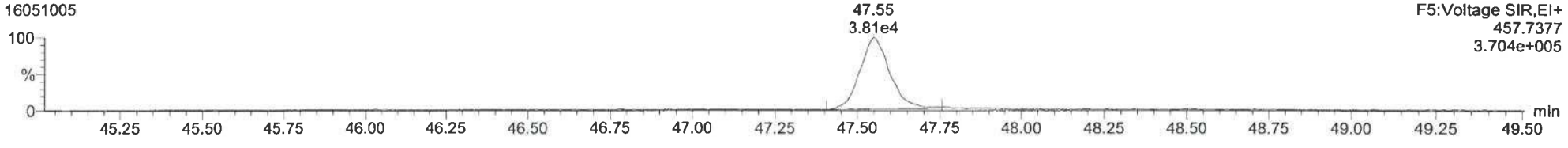
13C-OCDD



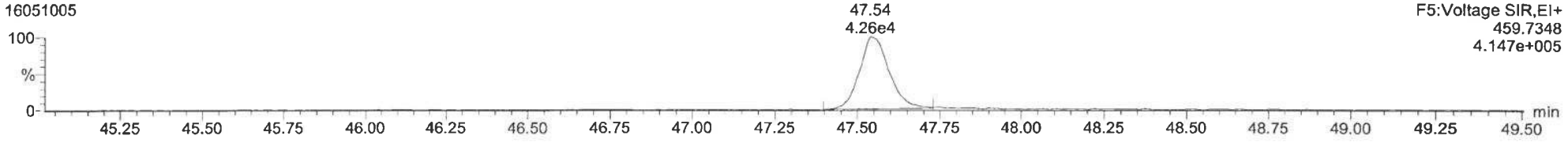
13C-OCDD



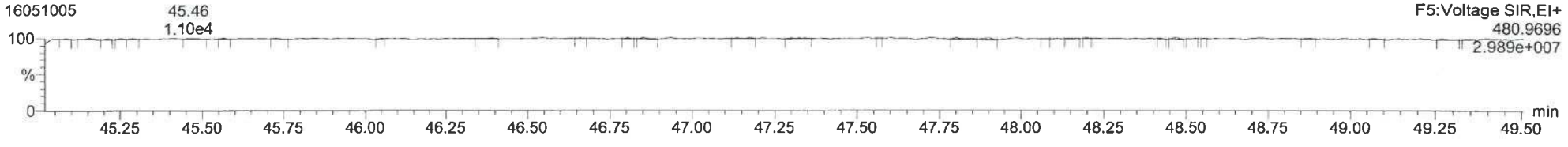
OCDD



OCDD



FUNCTION5 PFK

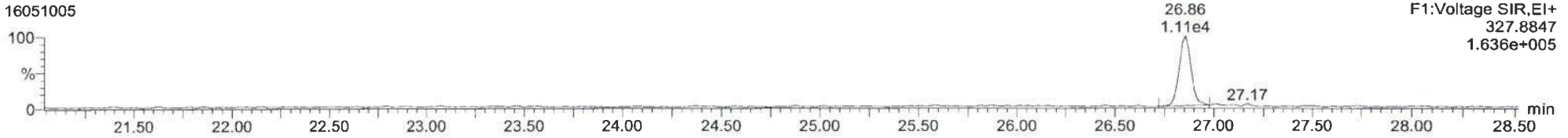


Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:56 Pacific Daylight Time

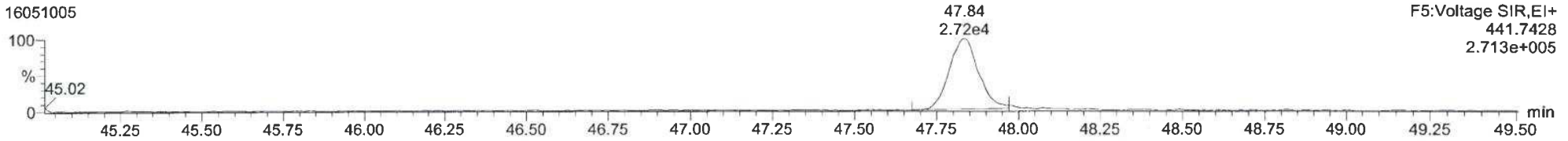
CS2AA 06/30/16

ID: ~~CS1,~~ Name: 16051005, Date: 10-May-2016, Time: 14:27:42, Conditions: AUTOSPEC01, User: pk

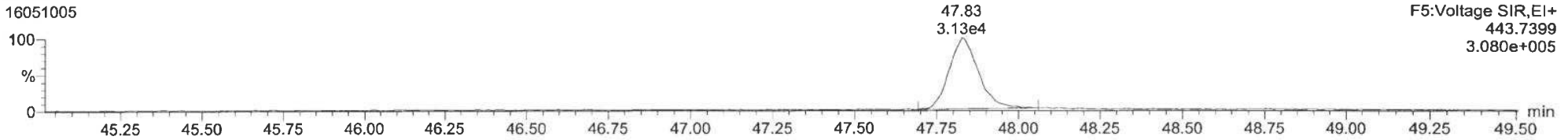
37CL-2378-TCDD



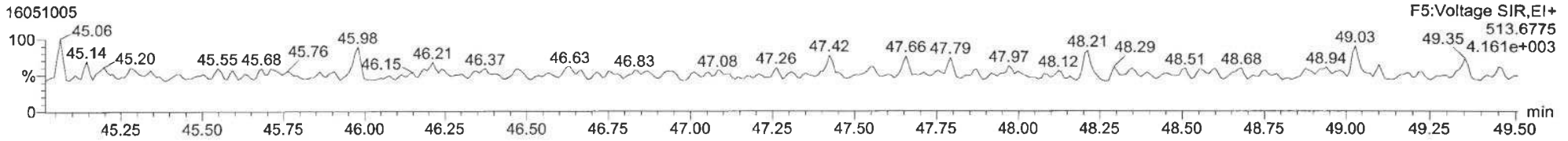
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:58 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40
CS3AA 06/30/16 SD
ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
2378-TCDF	26.228	1.001	3.07e4	3.77e4	0.935	0.815	0.770	712	1111	4.18e5	5.13e5	587.6	NO	1.989	1.989
12378-PeCDF	30.388	1.001	1.70e5	1.07e5	0.952	1.587	1.550	2318	2111	2.30e6	1.48e6	994.0	NO	9.513	9.513
23478-PeCDF	31.736	1.001	1.71e5	1.10e5	0.963	1.561	1.550	2318	2111	2.39e6	1.51e6	1030.0	NO	10.056	10.056
123478-HxCDF	35.419	1.000	1.40e5	1.13e5	1.137	1.242	1.240	3320	2835	2.00e6	1.63e6	602.7	NO	9.994	9.994
234678-HxCDF	36.515	1.001	1.43e5	1.11e5	1.164	1.289	1.240	3320	2835	1.95e6	1.53e6	586.9	NO	10.056	10.056
123678-HxCDF	35.572	1.001	1.52e5	1.24e5	1.099	1.222	1.240	3320	2835	2.04e6	1.64e6	614.5	NO	10.120	10.120
123789-HxCDF	37.644	1.001	1.24e5	9.11e4	1.101	1.357	1.240	3320	2835	1.71e6	1.29e6	513.7	NO	9.841	9.841
1234678-HpCDF	39.727	1.001	1.29e5	1.23e5	1.303	1.051	1.050	1943	2140	1.79e6	1.68e6	918.8	NO	9.815	9.815
1234789-HpCDF	42.456	1.000	9.87e4	9.17e4	1.317	1.077	1.050	1943	2140	1.11e6	1.08e6	573.3	NO	9.571	9.571
OCDF	47.845	1.006	1.54e5	1.71e5	1.166	0.898	0.890	1587	2180	1.40e6	1.54e6	883.0	NO	19.983	19.983
2378-TCDD	26.870	1.001	2.01e4	2.62e4	1.134	0.765	0.770	1285	889	2.72e5	3.48e5	211.6	NO	1.941	1.941
12378-PeCDD	31.988	1.000	1.02e5	6.55e4	0.975	1.562	1.550	1115	773	1.41e6	9.00e5	1267.9	NO	9.872	9.872
123478-HxCDD	36.647	1.000	9.61e4	7.58e4	1.031	1.268	1.240	1493	1507	1.37e6	1.09e6	919.3	NO	9.926	9.926
123678-HxCDD	36.778	1.001	1.01e5	8.20e4	0.971	1.234	1.240	1493	1507	1.34e6	1.10e6	900.3	NO	9.917	9.917
123789-HxCDD	37.206	1.012	9.26e4	7.59e4	0.947	1.221	1.240	1493	1507	1.27e6	1.08e6	848.8	NO	9.943	9.943
1234678-HpCDD	41.557	1.000	8.01e4	7.55e4	1.028	1.061	1.050	1296	1324	9.67e5	9.17e5	746.0	NO	9.822	9.822
OCDD	47.567	1.001	1.32e5	1.50e5	1.107	0.881	0.890	2421	2005	1.24e6	1.38e6	513.8	NO	18.227	18.227
13C-2378-TCDF	26.212	1.006	1.61e6	2.06e6	1.567	0.782	0.770	8042	3396	2.20e7	2.83e7	2733.6	NO		100.369
13C-12378-PeCDF	30.366	1.166	1.87e6	1.18e6	1.274	1.579	1.550	5347	3950	2.45e7	1.57e7	4586.8	NO		102.455
13C-23478-PeCDF	31.714	1.217	1.76e6	1.14e6	1.235	1.549	1.550	5347	3950	2.48e7	1.58e7	4639.2	NO		100.381
13C-123478-HxCDF	35.408	0.952	7.55e5	1.47e6	1.381	0.514	0.510	5314	6448	1.08e7	2.08e7	2027.5	NO		98.776
13C-123678-HxCDF	35.550	0.956	8.54e5	1.63e6	1.569	0.525	0.510	5314	6448	1.17e7	2.23e7	2200.7	NO		96.940
13C-234678-HxCDF	36.493	0.981	7.51e5	1.42e6	1.345	0.530	0.510	5314	6448	1.05e7	1.96e7	1971.4	NO		98.800
13C-123789-HxCDF	37.622	1.012	6.94e5	1.29e6	1.183	0.539	0.510	5314	6448	9.58e6	1.84e7	1802.2	NO		102.675
13C-1234678-HpCDF	39.705	1.068	6.19e5	1.35e6	1.178	0.457	0.440	3354	5015	8.20e6	1.81e7	2445.2	NO		102.663
13C-1234789-HpCDF	42.445	1.141	4.81e5	1.03e6	0.878	0.467	0.440	3354	5015	5.36e6	1.17e7	1598.2	NO		105.491
13C-1234-TCDD	26.048	0.000	1.03e6	1.30e6	1.000	0.792	0.770	3541	1647	1.43e7	1.79e7	4036.4	NO		100.000
13C-2378-TCDD	26.855	1.031	9.17e5	1.19e6	0.908	0.773	0.770	3541	1647	1.23e7	1.59e7	3471.7	NO		99.138
13C-12378-PeCDD	31.977	1.228	1.06e6	6.79e5	0.756	1.566	1.550	2253	2411	1.42e7	9.08e6	6306.3	NO		98.648
13C-123478-HxCDD	36.636	0.985	9.40e5	7.39e5	1.056	1.273	1.240	3866	2476	1.37e7	1.06e7	3541.5	NO		97.494
13C-123678-HxCDD	36.756	0.988	1.06e6	8.40e5	1.163	1.265	1.240	3866	2476	1.40e7	1.12e7	3610.8	NO		100.224
13C-1234678-HpCDD	41.535	1.117	8.03e5	7.38e5	0.909	1.088	1.050	3038	3332	9.57e6	9.18e6	3150.6	NO		103.956
13C-OCDD	47.540	1.278	1.31e6	1.48e6	0.820	0.882	0.890	4449	5697	1.20e7	1.35e7	2705.1	NO		208.660

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:36:58 Pacific Daylight Time

CS3AA 06/30/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
13C-123789-HxCDD	37.184	0.000	9.13e5	7.18e5	1.000	1.271	1.240	3866	2476	1.24e7	9.87e6	3203.6	NO		100.000
Total-tetrafurans			3.09e4		0.935			712		4.21e5					2.010
Total-penta1			0.00e0					586		0.00e0					
Total-pentafurans			3.48e5		0.957			2318		4.79e6					20.060
Total-hexafurans			5.62e5		1.125			3320		7.77e6					40.233
Total-heptafurans			2.30e5		1.310			1943		2.93e6					19.531
Total-Furans			1.32e6		1.114			712		1.73e7					101.817
Total-tetradioxins			2.04e4		1.134			1285		2.78e5					1.968
Total-pentadioxins			1.04e5		0.975			1115		1.44e6					9.994
Total-hexadioxins			2.92e5		0.983			1493		4.02e6					29.978
Total-heptadioxins			8.19e4		1.028			1296		9.88e5					9.986
Total-Dioxins			6.30e5		1.028			1285		7.97e6					70.152
Total-TEQ			1.95e6					1285		2.53e7					171.969
37CL-2378-TCDD	26.870	1.031	4.85e4		1.067			1406		6.58e5		468.0			1.946
FUNCTION1 PFK			9.43e5					932576		1.84e7					
FUNCTION2 PFK			3.05e5					159650		8.30e6					0.000
FUNCTION3 PFK			1.01e6					591214		2.87e7					0.000
FUNCTION4 PFK			3.50e5					397418		9.33e6					
FUNCTION5 PFK			4.56e5					308988		1.79e7					
FUNCTION1 HXCDPE			2.31e2					387		4.69e3					0.000
FUNCTION1 HPCDPE			4.73e2					695		9.42e3					0.000
FUNCTION2 HPCDPE			2.94e2					593		7.36e3					0.000
FUNCTION3 OCDPE			0.00e0					362		0.00e0					
FUNCTION4 NCDPE			2.19e2					620		7.32e3					0.000
FUNCTION5 DCDPE			0.00e0					383		0.00e0					

Dataset: P:\DIOXIN8290.PRO\160510IC.qld
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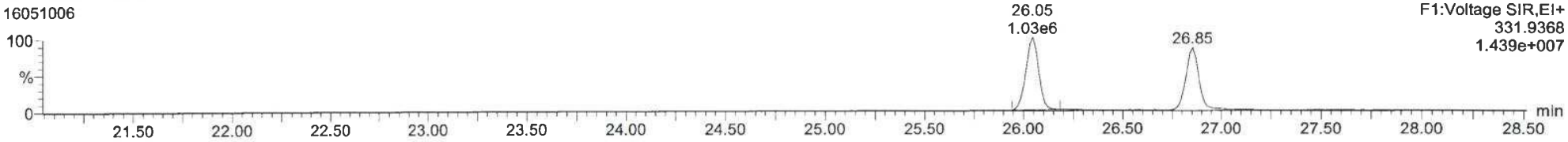
Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

CS3AA 06/30/16 SD

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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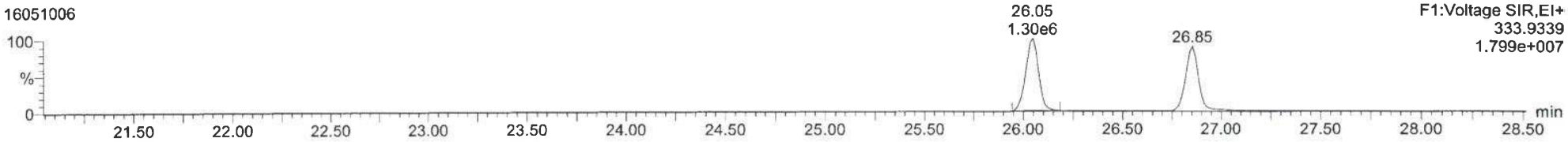
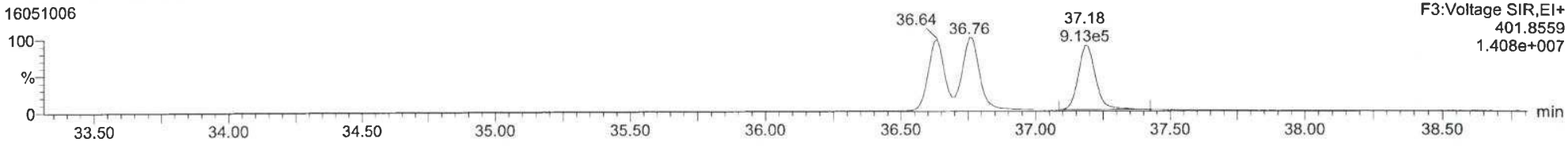


13C-123789-HxCDD



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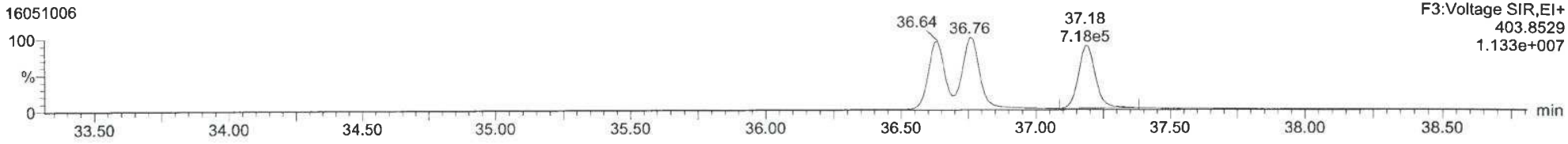

Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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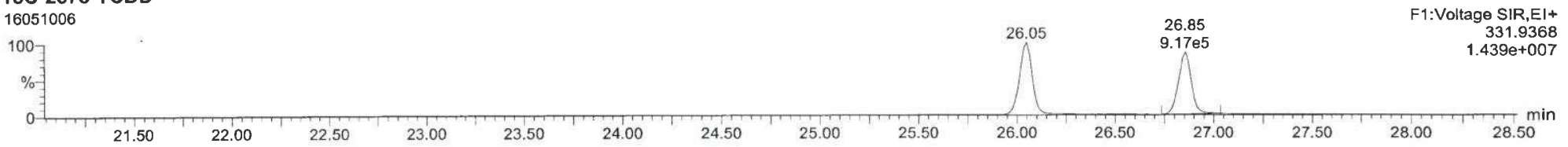
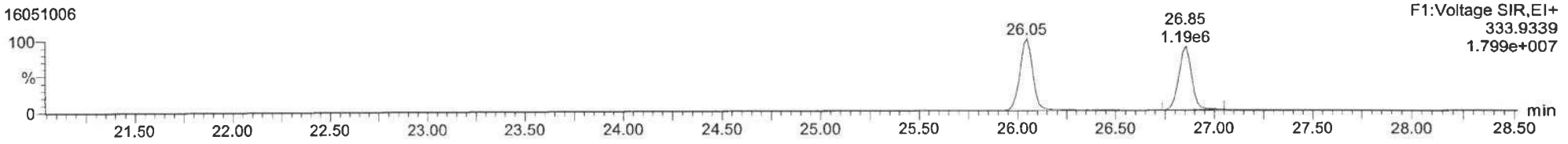
ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

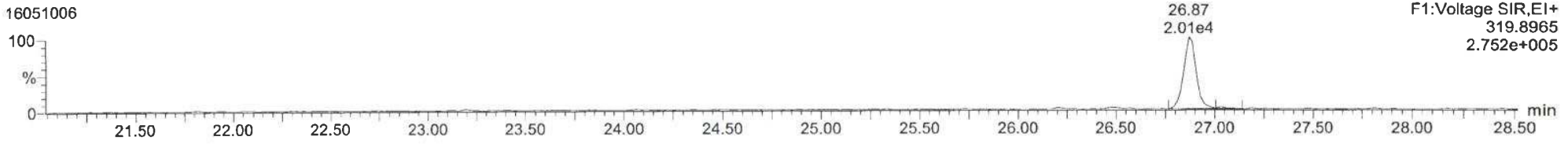
13C-2378-TCDD



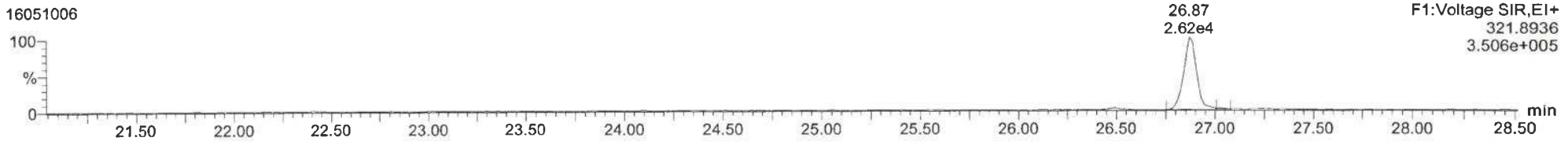
13C-2378-TCDD



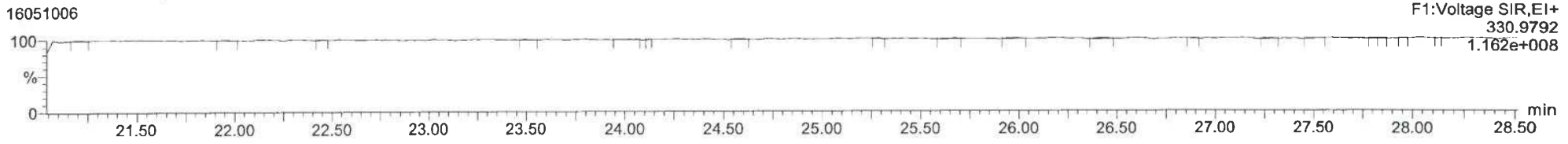
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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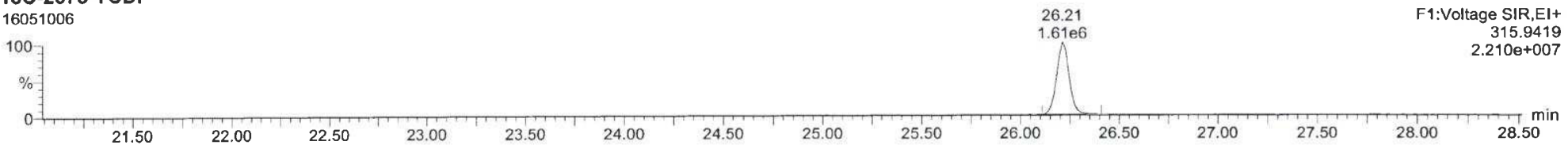
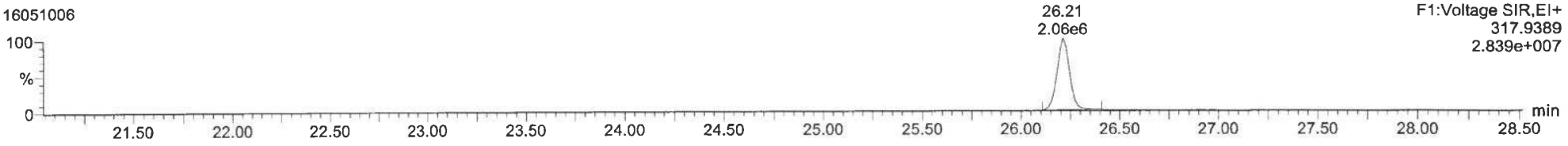
CS3AA 06/30/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

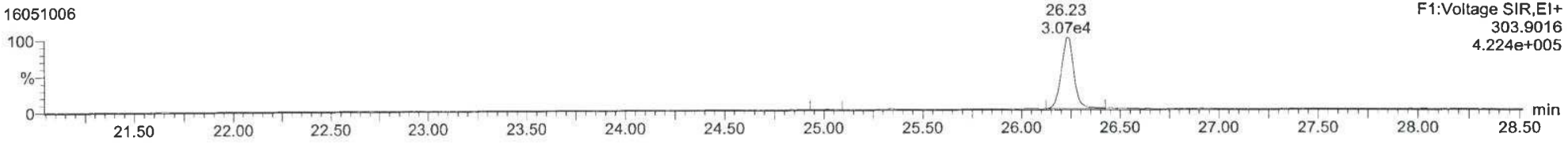
13C-2378-TCDF
16051006



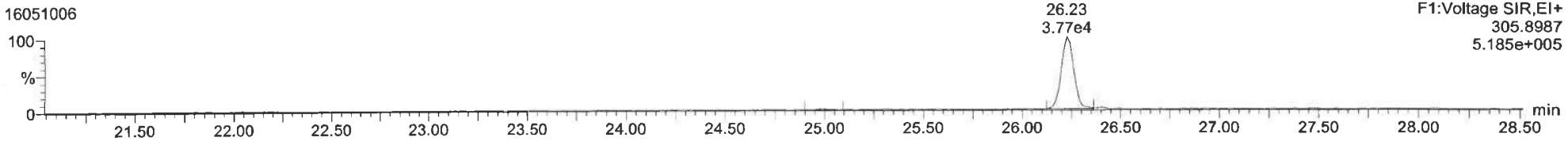
13C-2378-TCDF
16051006



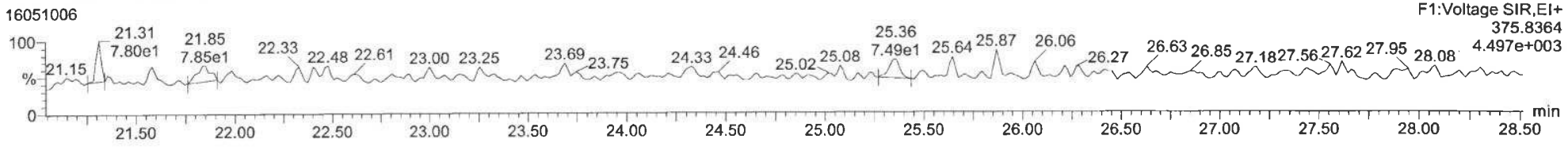
Total-tetrafurans
16051006



Total-tetrafurans
16051006



FUNCTION1 HXCDPE
16051006



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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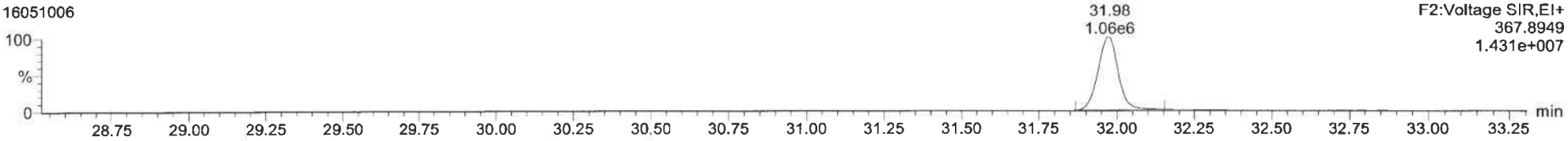
ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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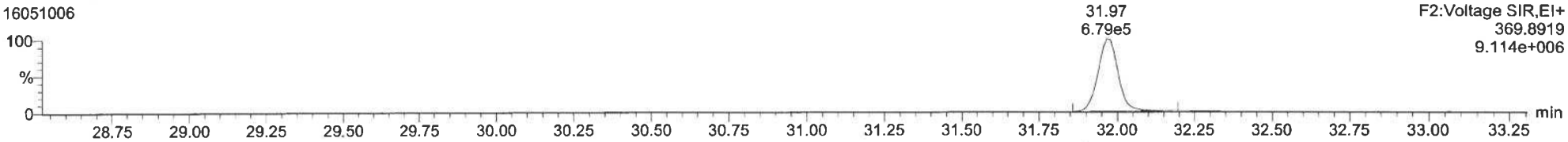
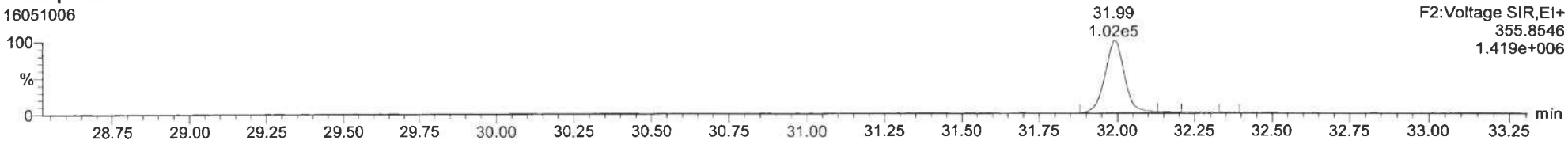
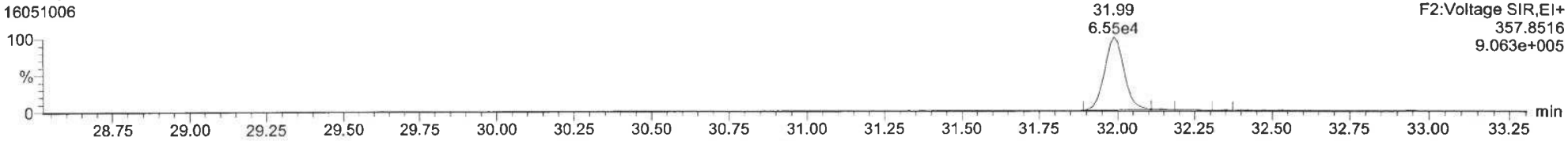


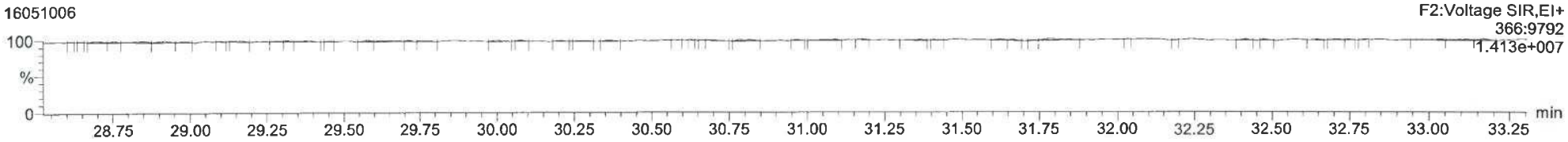
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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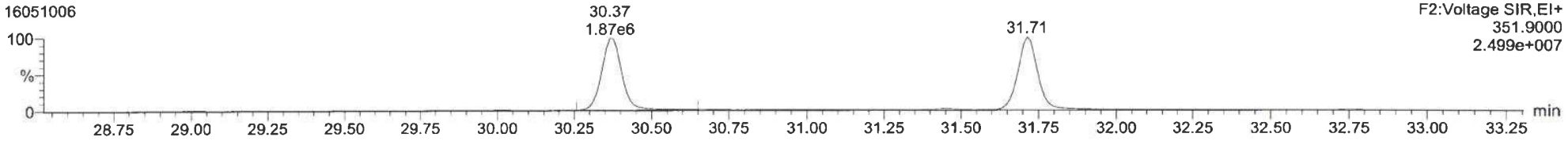
ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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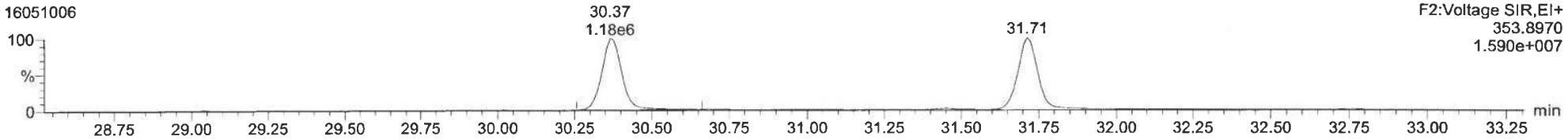
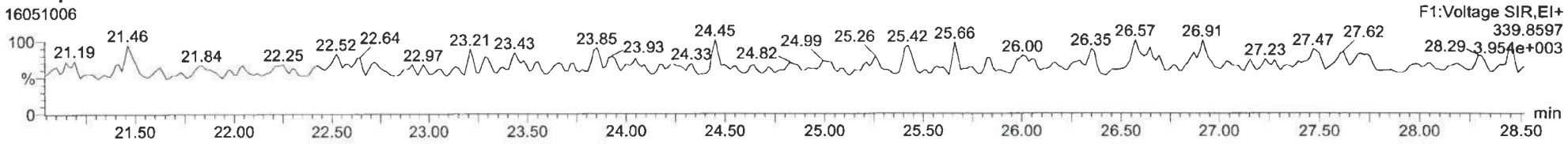
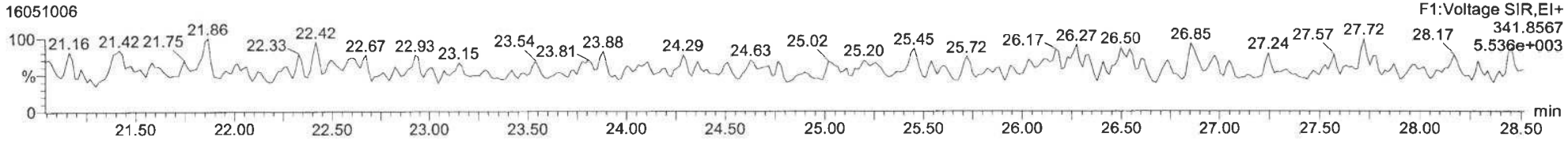


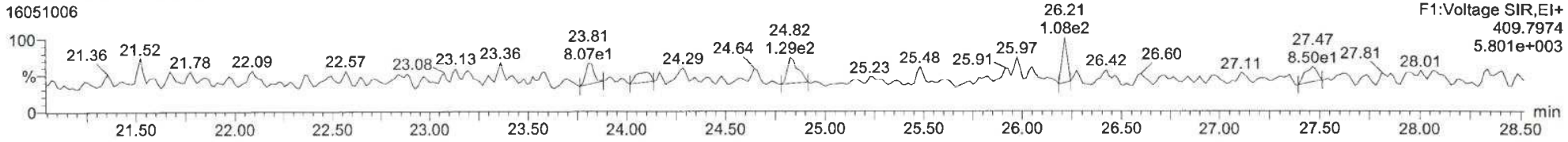
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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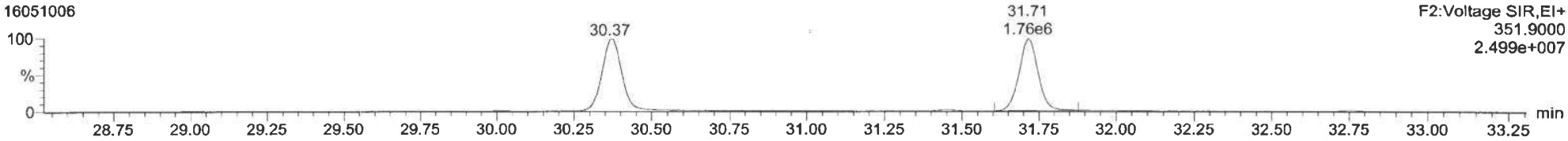
Data: CS2, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-23478-PeCDF



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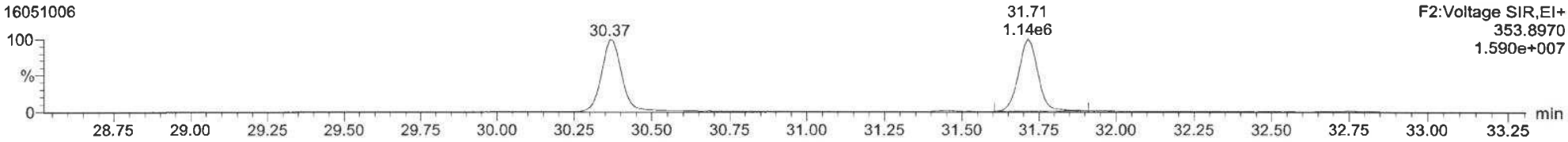
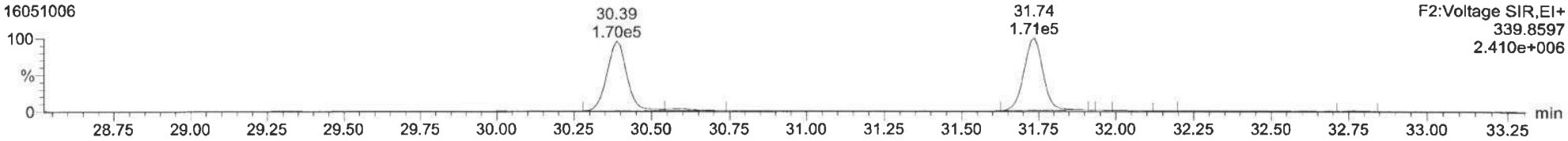
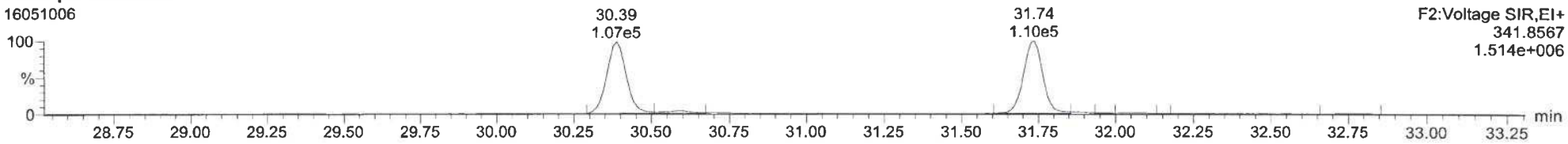


Total-pentafurans



Total-pentafurans



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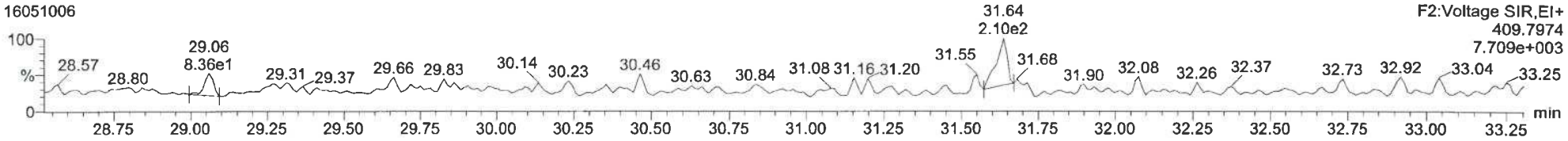

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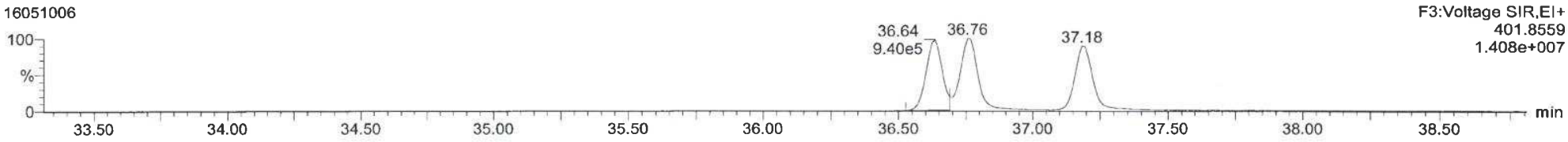
13C-123478-HxCDD



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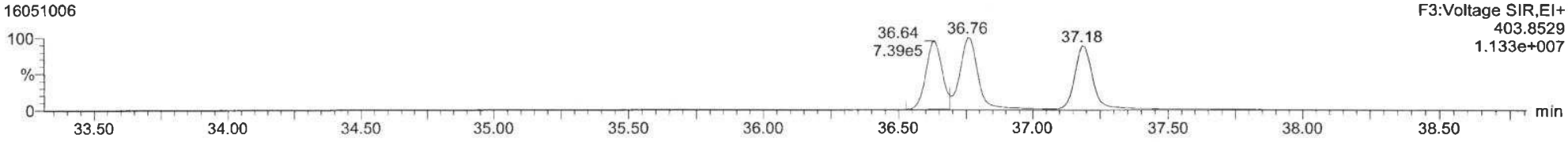
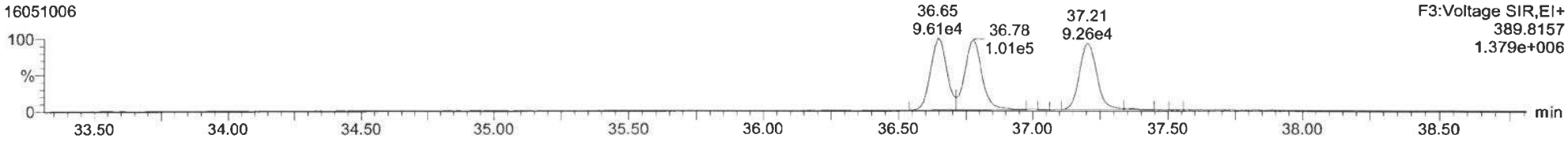
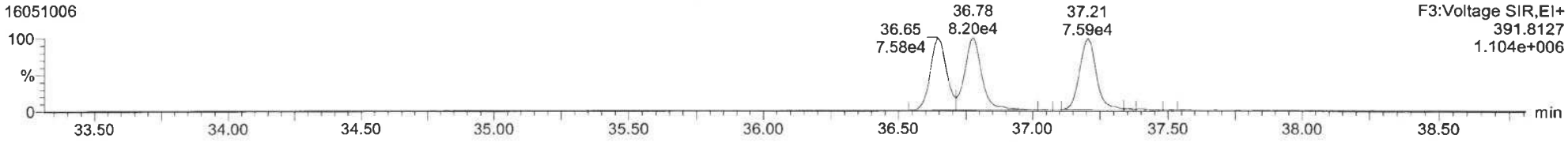


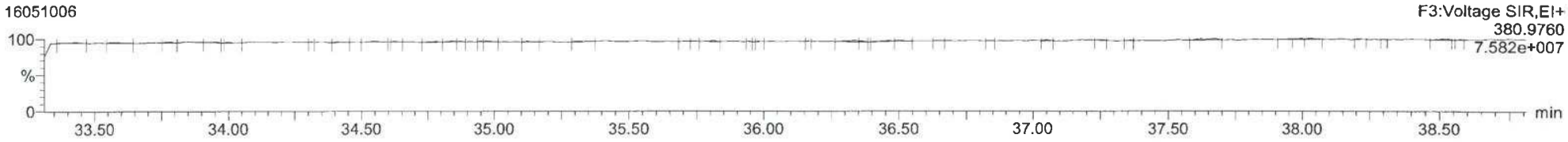
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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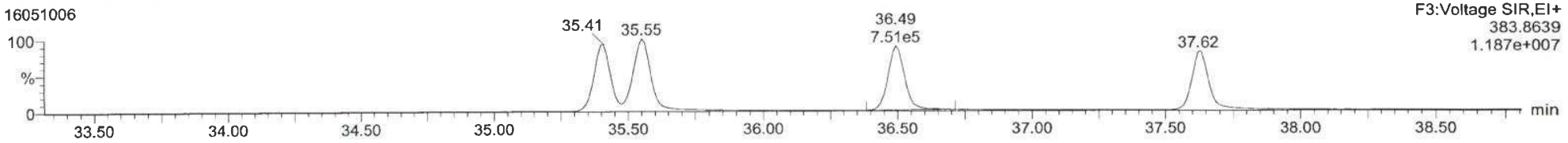
ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-234678-HxCDF



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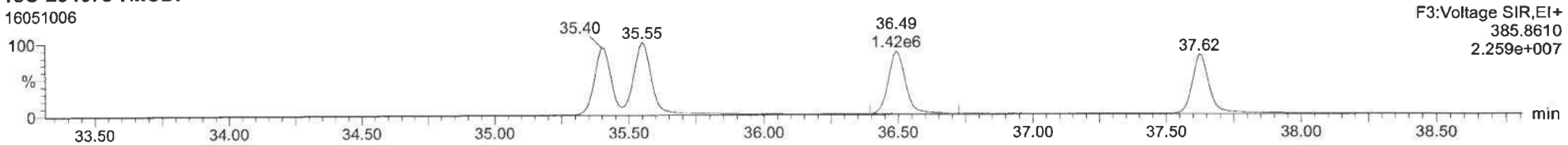

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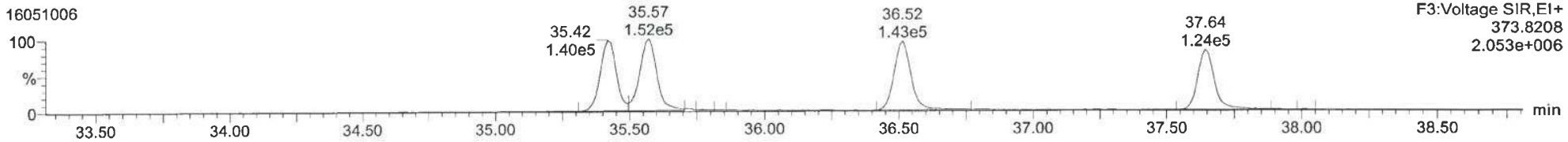

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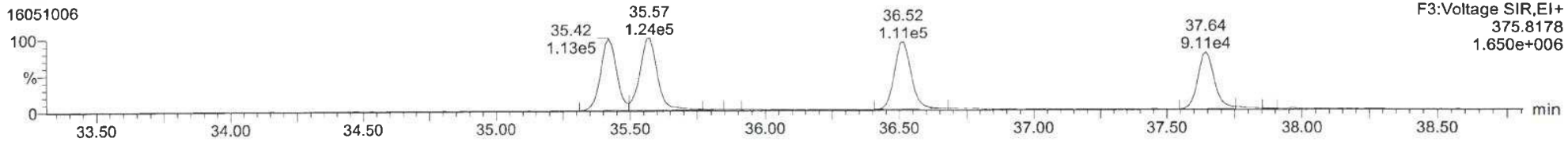
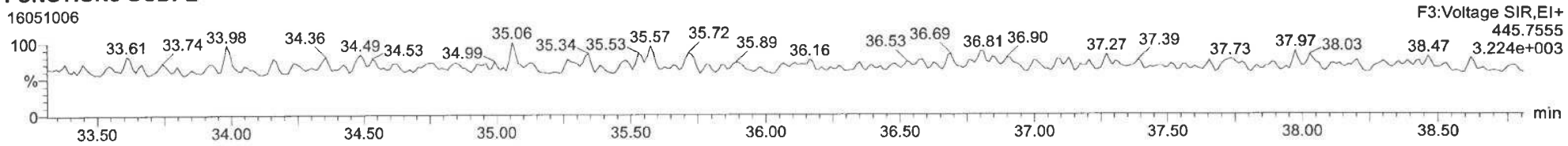


FUNCTION3 OCDPE



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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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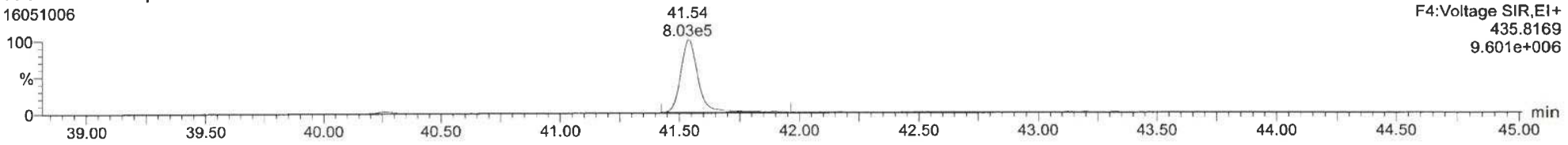
CS3AA 5/31/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDD



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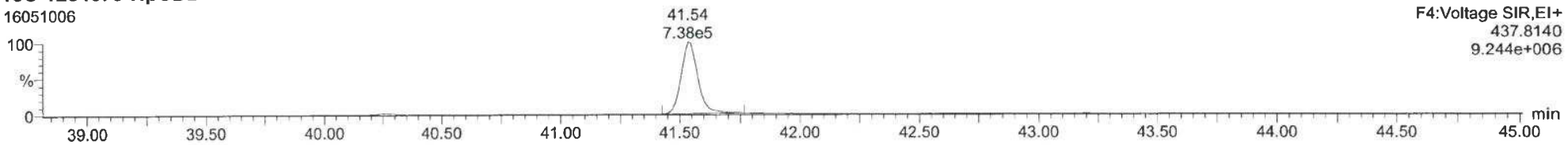

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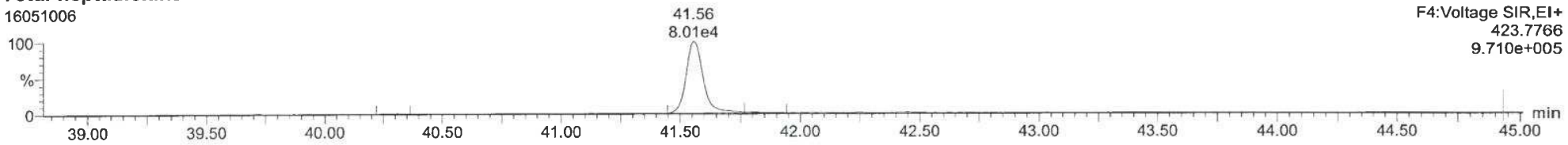

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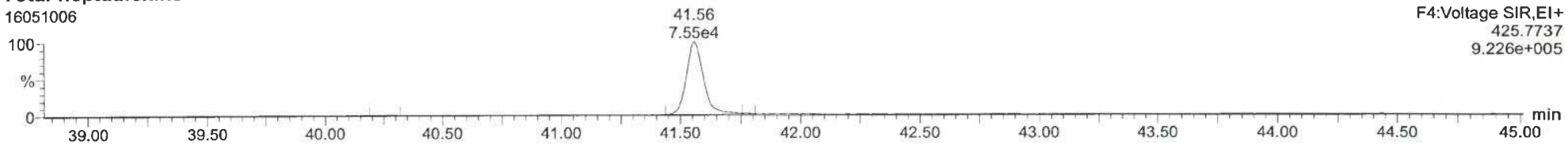
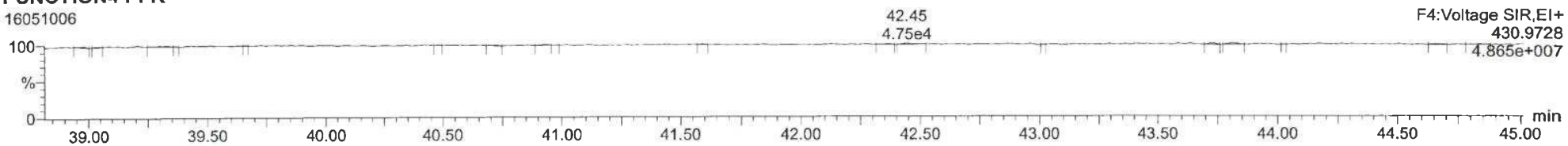


FUNCTION4 PFK



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CS3AA 04/30/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

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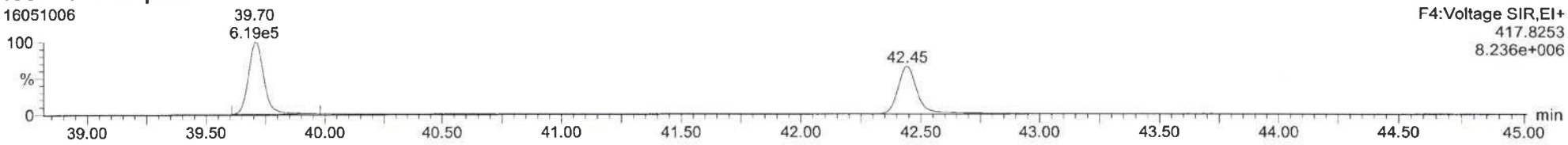

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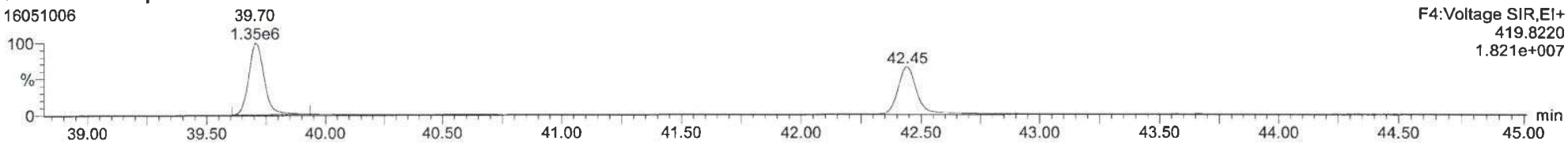

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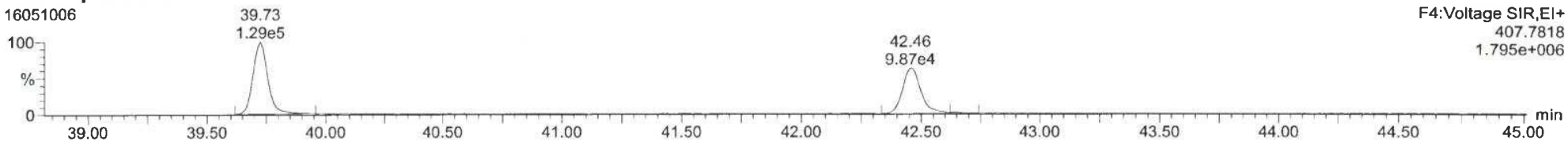

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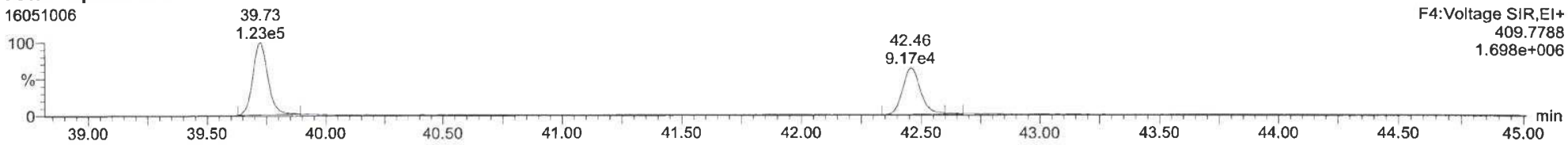
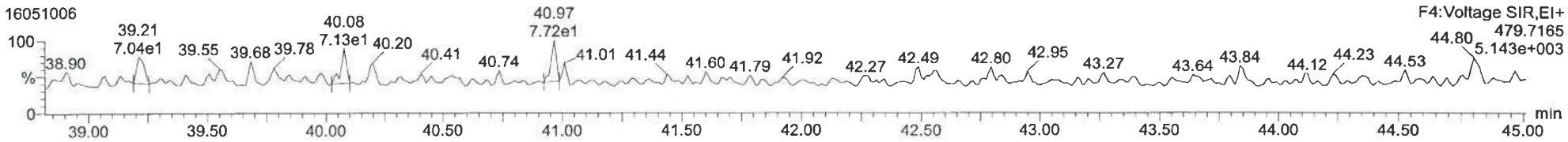


FUNCTION4 NCDPE



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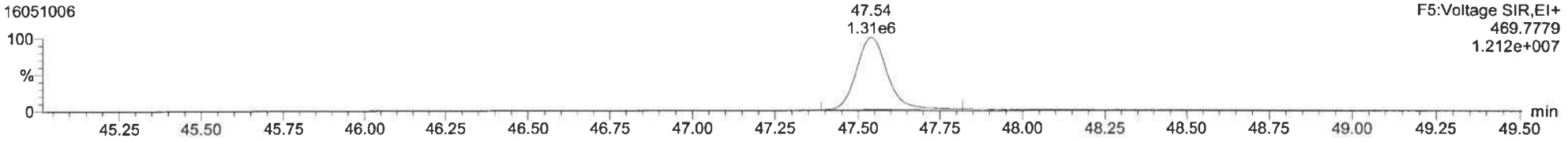
CS3A1 06/30/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

13C-OCDD



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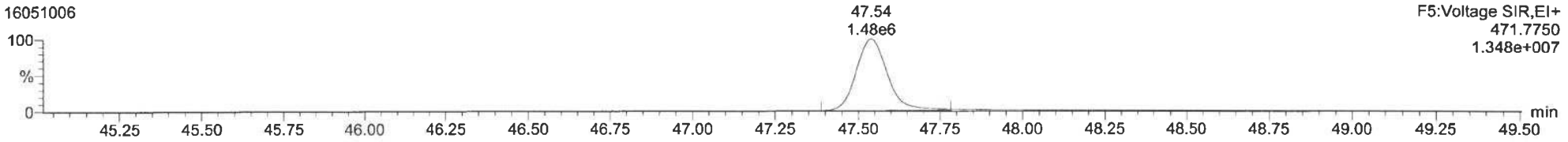

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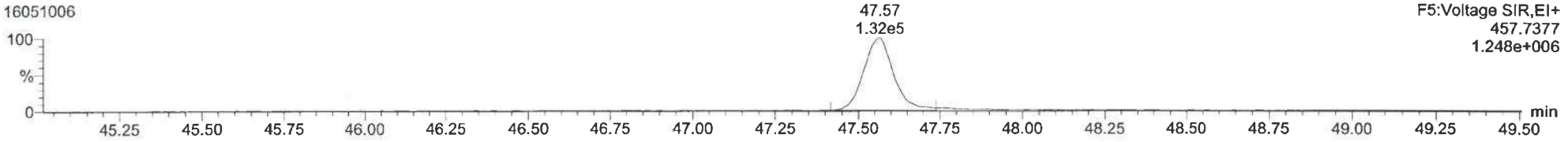

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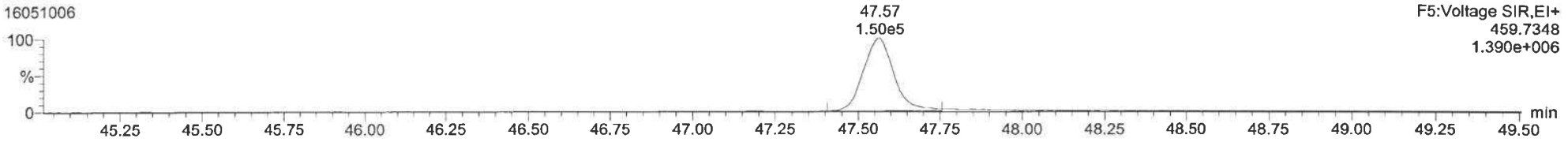
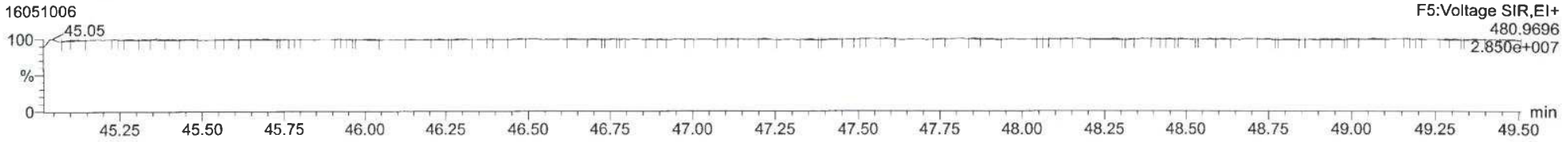


FUNCTION5 PFK



Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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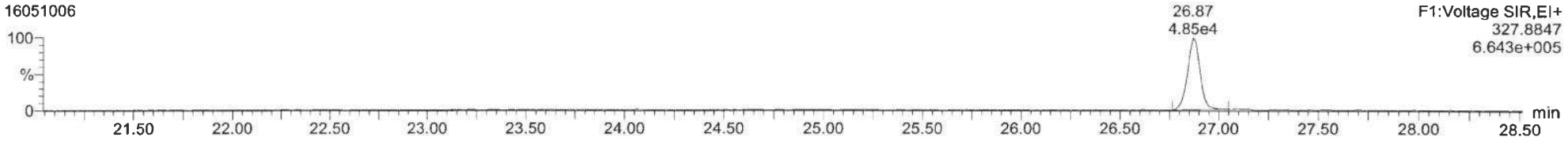
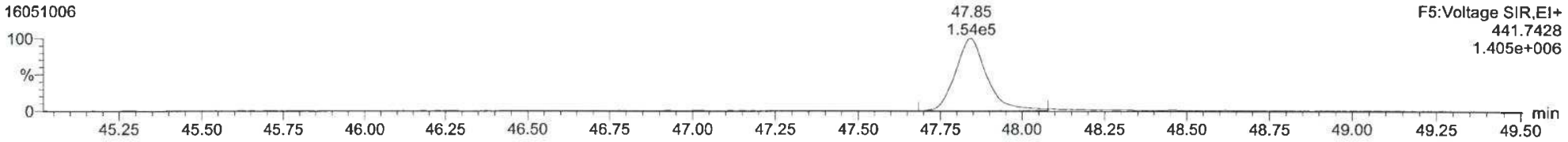
CS3AA 05/30/16

ID: ~~CS2~~, Name: 16051006, Date: 10-May-2016, Time: 15:30:50, Conditions: AUTOSPEC01, User: pk

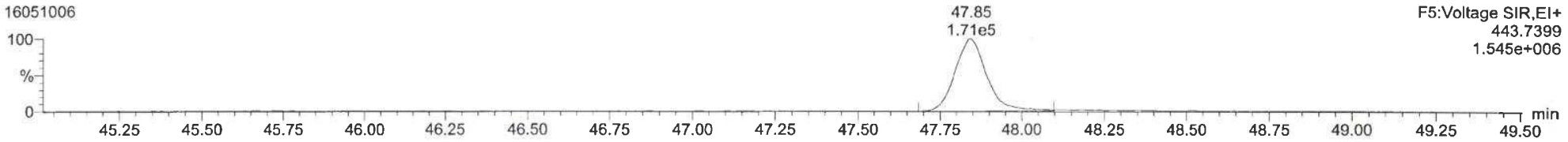
37CL-2378-TCDD



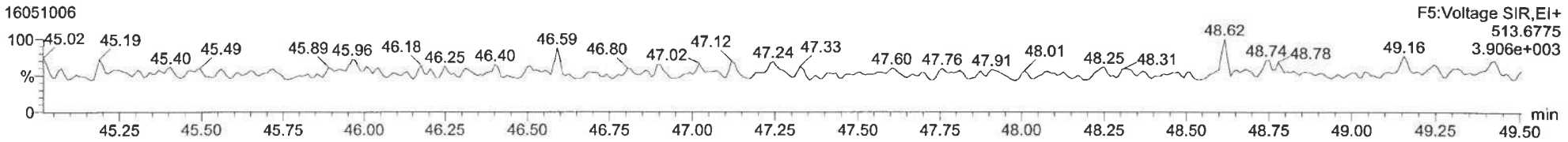
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:00 Pacific Daylight Time

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Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40
CS4AA 06/30/16
ID: CS3, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
2378-TCDF	26.213	1.001	1.78e5	2.30e5	0.935	0.770	0.770	2421	2881	2.34e6	3.03e6	965.7	NO	10.064	10.064
12378-PeCDF	30.377	1.000	1.00e6	6.32e5	0.952	1.584	1.550	5774	5259	1.37e7	8.68e6	2375.1	NO	50.599	50.599
23478-PeCDF	31.725	1.000	9.64e5	6.14e5	0.963	1.571	1.550	5774	5259	1.38e7	8.80e6	2389.5	NO	50.194	50.194
123478-HxCDF	35.419	1.001	7.74e5	6.24e5	1.137	1.241	1.240	8198	6551	1.11e7	9.02e6	1356.2	NO	50.247	50.247
234678-HxCDF	36.515	1.001	7.55e5	6.06e5	1.164	1.245	1.240	8198	6551	1.05e7	8.36e6	1283.4	NO	49.864	49.864
123678-HxCDF	35.573	1.001	8.37e5	6.76e5	1.099	1.238	1.240	8198	6551	1.14e7	9.02e6	1389.4	NO	50.545	50.545
123789-HxCDF	37.645	1.001	6.09e5	4.84e5	1.101	1.257	1.240	8198	6551	8.62e6	6.97e6	1051.3	NO	48.371	48.371
1234678-HpCDF	39.727	1.001	6.40e5	6.58e5	1.303	0.973	1.050	6203	5140	8.59e6	8.58e6	1385.6	NO	50.258	50.258
1234789-HpCDF	42.457	1.000	4.88e5	4.65e5	1.317	1.051	1.050	6203	5140	5.80e6	5.56e6	935.4	NO	50.389	50.389
OCDF	47.837	1.006	7.50e5	8.40e5	1.166	0.892	0.890	3246	3947	6.70e6	7.62e6	2063.8	NO	102.360	102.360
2378-TCDD	26.870	1.001	1.29e5	1.57e5	1.134	0.821	0.770	1985	1394	1.68e6	2.12e6	846.6	NO	10.089	10.089
12378-PeCDD	31.989	1.001	6.19e5	3.92e5	0.975	1.580	1.550	4664	3561	8.64e6	5.44e6	1852.9	NO	51.349	51.349
123478-HxCDD	36.647	1.000	5.32e5	4.27e5	1.031	1.245	1.240	4738	4830	7.84e6	6.25e6	1655.4	NO	50.735	50.735
123678-HxCDD	36.779	1.001	5.79e5	4.47e5	0.971	1.296	1.240	4738	4830	7.71e6	6.00e6	1626.3	NO	51.207	51.207
123789-HxCDD	37.206	1.012	5.31e5	4.08e5	0.947	1.300	1.240	4738	4830	7.22e6	5.69e6	1523.3	NO	50.943	50.943
1234678-HpCDD	41.558	1.000	4.00e5	3.84e5	1.028	1.042	1.050	3688	4172	4.95e6	4.66e6	1343.4	NO	49.964	49.964
OCDD	47.559	1.000	6.35e5	7.31e5	1.107	0.868	0.890	2846	3297	5.96e6	6.89e6	2094.7	NO	92.591	92.591
13C-2378-TCDF	26.198	1.006	1.90e6	2.44e6	1.567	0.777	0.770	10273	5323	2.55e7	3.28e7	2478.2	NO		98.091
13C-12378-PeCDF	30.366	1.166	2.07e6	1.32e6	1.274	1.563	1.550	5465	4417	2.88e7	1.82e7	5276.6	NO		94.299
13C-23478-PeCDF	31.715	1.218	2.00e6	1.27e6	1.235	1.581	1.550	5465	4417	2.81e7	1.76e7	5137.2	NO		93.789
13C-123478-HxCDF	35.397	0.952	8.33e5	1.61e6	1.381	0.516	0.510	5046	6079	1.19e7	2.30e7	2354.1	NO		101.606
13C-123678-HxCDF	35.551	0.956	9.61e5	1.76e6	1.569	0.546	0.510	5046	6079	1.27e7	2.37e7	2512.4	NO		99.485
13C-234678-HxCDF	36.493	0.981	8.24e5	1.52e6	1.345	0.541	0.510	5046	6079	1.10e7	2.08e7	2182.4	NO		99.999
13C-123789-HxCDF	37.623	1.012	6.94e5	1.36e6	1.183	0.511	0.510	5046	6079	9.59e6	1.84e7	1899.8	NO		99.465
13C-1234678-HpCDF	39.705	1.068	6.30e5	1.35e6	1.178	0.465	0.440	3924	5699	8.22e6	1.82e7	2094.3	NO		96.456
13C-1234789-HpCDF	42.446	1.141	4.50e5	9.86e5	0.878	0.456	0.440	3924	5699	5.36e6	1.15e7	1366.3	NO		93.769
13C-1234-TCDD	26.034	0.000	1.25e6	1.58e6	1.000	0.790	0.770	3668	2181	1.76e7	2.25e7	4800.2	NO		100.000
13C-2378-TCDD	26.840	1.031	1.10e6	1.40e6	0.908	0.789	0.770	3668	2181	1.50e7	1.91e7	4077.1	NO		97.659
13C-12378-PeCDD	31.966	1.228	1.23e6	7.84e5	0.756	1.575	1.550	2656	2320	1.73e7	1.10e7	6509.6	NO		94.655
13C-123478-HxCDD	36.636	0.985	1.03e6	8.08e5	1.056	1.270	1.240	4105	3134	1.50e7	1.17e7	3651.1	NO		99.538
13C-123678-HxCDD	36.757	0.988	1.15e6	9.11e5	1.163	1.263	1.240	4105	3134	1.54e7	1.24e7	3748.4	NO		101.680
13C-1234678-HpCDD	41.547	1.117	7.79e5	7.47e5	0.909	1.043	1.050	3359	3150	9.60e6	9.17e6	2856.6	NO		96.286
13C-OCDD	47.541	1.278	1.27e6	1.39e6	0.820	0.913	0.890	2890	5148	1.14e7	1.27e7	3958.4	NO		186.477

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:00 Pacific Daylight Time

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CS4AA 04/30/16

ID: ~~CS~~3, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
13C-123789-HxCDD	37.184	0.000	9.76e5	7.68e5	1.000	1.270	1.240	4105	3134	1.33e7	1.04e7	3233.4	NO		100.000
Total-tetrafurans			5.55e5		0.935			2421		7.52e6					31.166
Total-penta1			1.28e6					1529		1.75e7					69.412
Total-pentafurans			2.96e6		0.957			5774		4.13e7					152.122
Total-hexafurans			3.93e6		1.125			8198		5.52e7					263.103
Total-heptafurans			1.13e6		1.310			6203		1.45e7					100.979
Total-Furans			1.06e7		1.114			2421		1.43e8					719.141
Total-tetradioxins			7.09e5		1.134			1985		8.29e6					56.500
Total-pentadioxins			2.29e6		0.975			4664		2.70e7					189.364
Total-hexadioxins			2.40e6		0.983			4738		3.32e7					224.417
Total-heptadioxins			8.83e5		1.028			3688		1.14e7					111.222
Total-Dioxins			6.91e6		1.028			1985		8.58e7					674.113
Total-TEQ			1.75e7					1985		2.29e8					1393.254
37CL-2378-TCDD	26.855	1.032	2.91e5		1.067			1895		3.93e6		2073.8			9.687
FUNCTION1 PFK			1.13e6					1200435		2.46e7					
FUNCTION2 PFK			3.93e5					220776		1.09e7					0.000
FUNCTION3 PFK			2.71e6					770478		7.24e7					0.000
FUNCTION4 PFK			3.24e5					618458		8.97e6					
FUNCTION5 PFK			3.38e5					406410		1.22e7					
FUNCTION1 HXCDPE			7.89e2					744		1.64e4					0.000
FUNCTION1 HPCDPE			6.19e2					929		1.61e4					0.000
FUNCTION2 HPCDPE			1.48e3					1245		2.67e4					0.000
FUNCTION3 OCDPE			0.00e0					468		0.00e0					
FUNCTION4 NCDPE			3.15e2					785		6.77e3					0.000
FUNCTION5 DCDPE			0.00e0					470		0.00e0					

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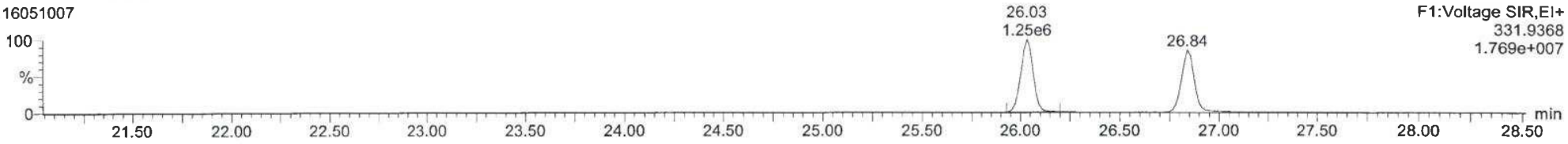
CS4AA 05/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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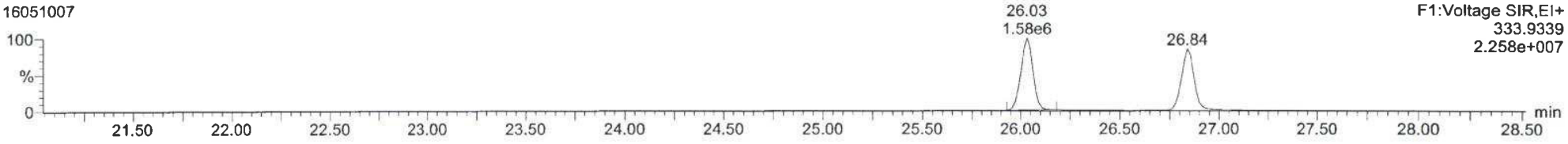
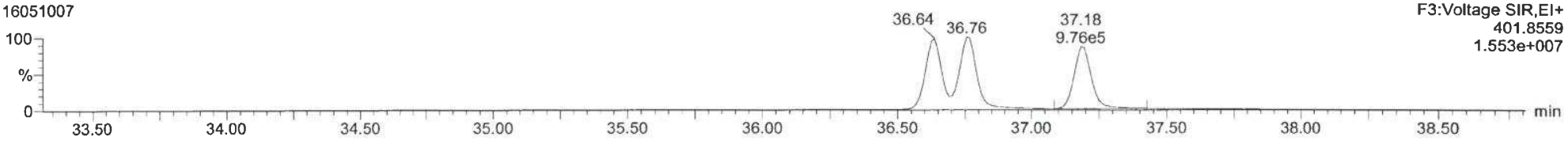


13C-123789-HxCDD



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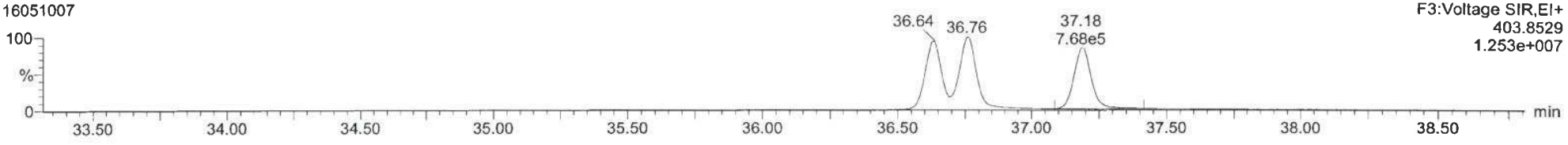
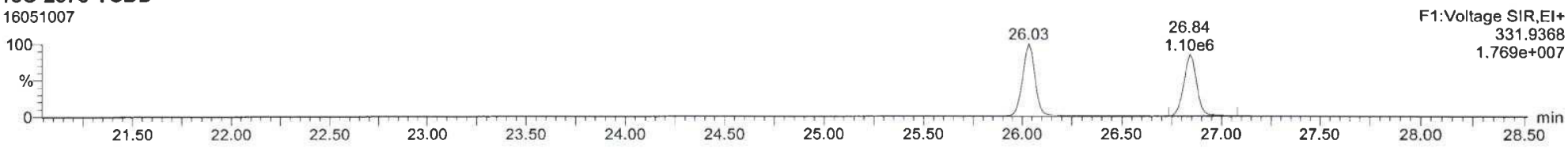


Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:00 Pacific Daylight Time

CS4AA 04/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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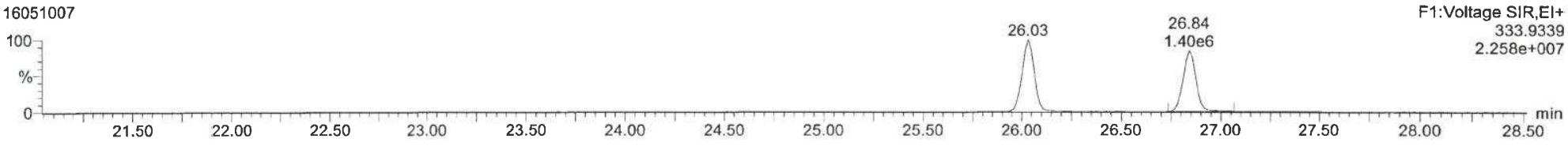
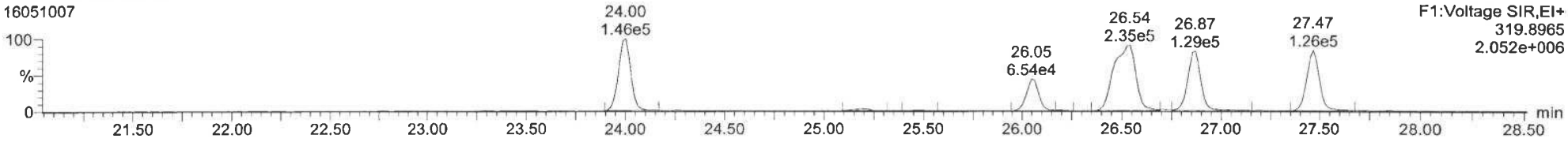
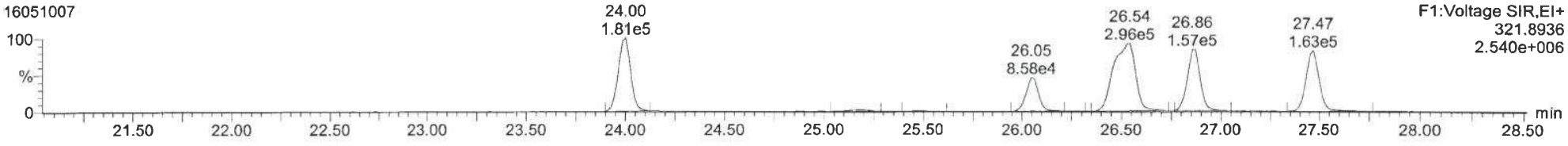


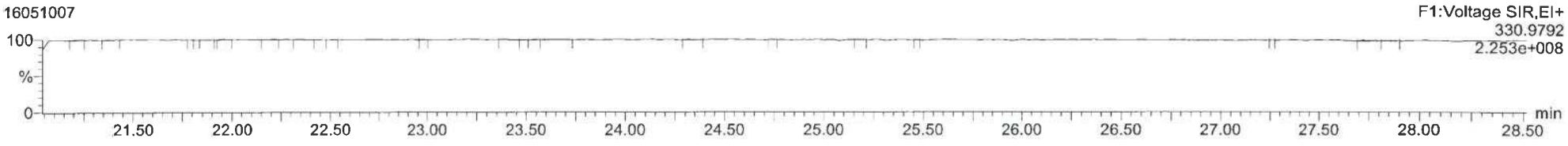
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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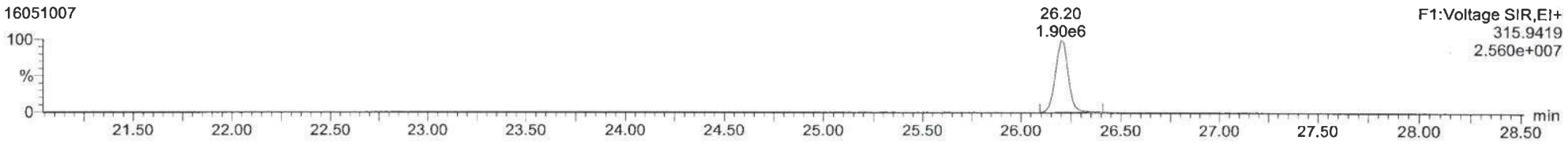
S4AA 06/30/16

ID: ~~C93~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDF



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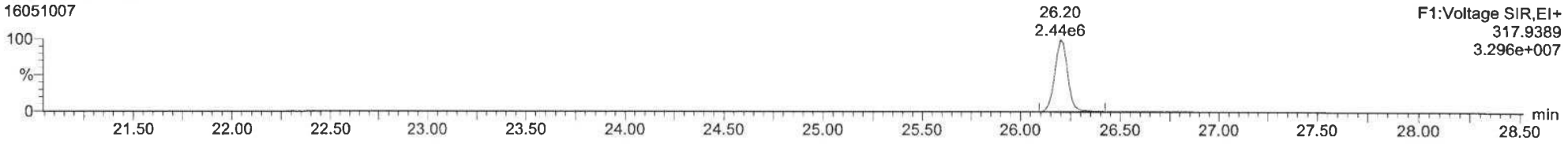
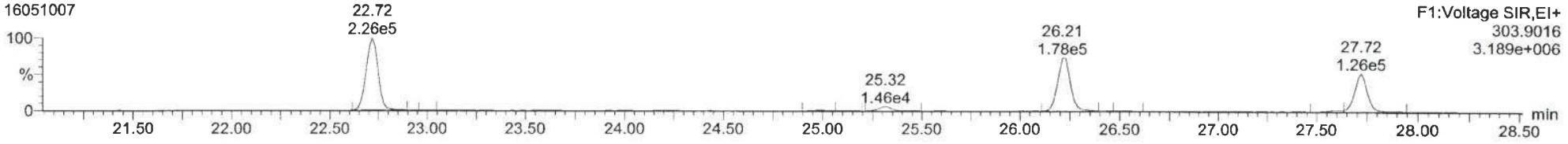
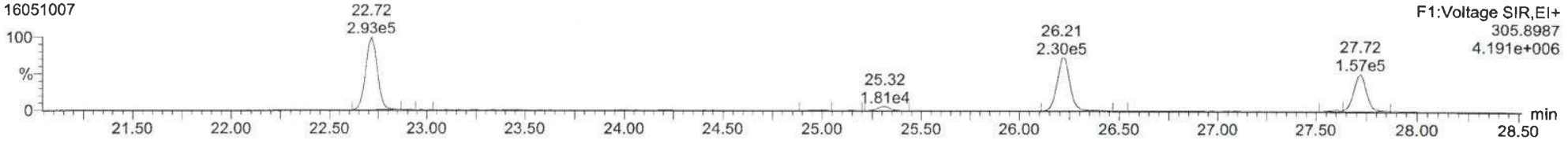


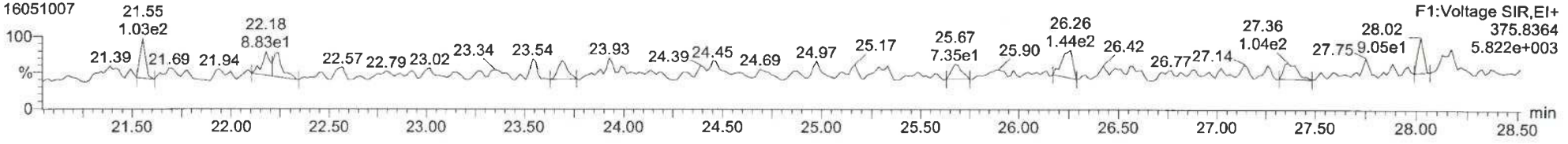
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE



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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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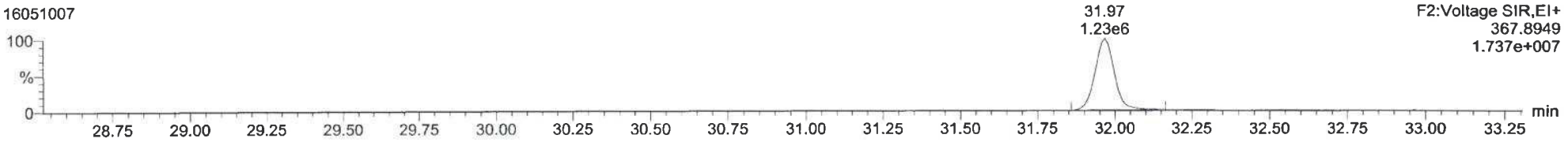
CS4AA 04/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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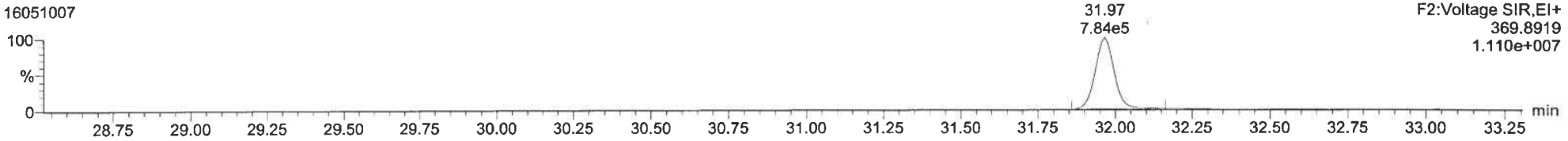
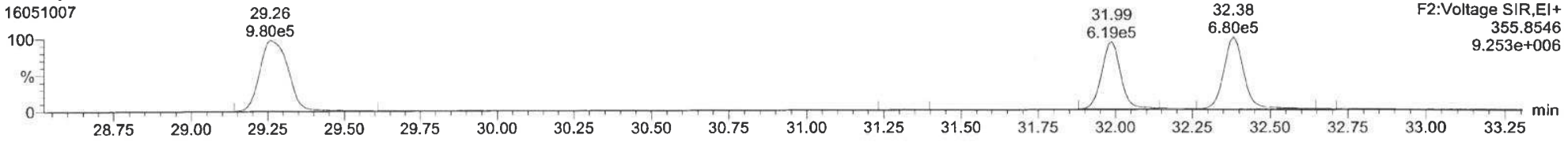
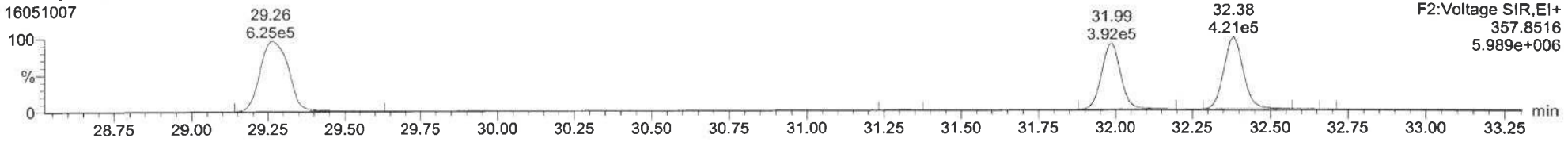


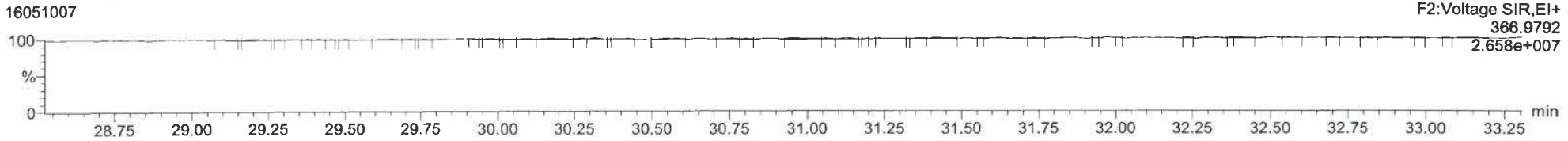
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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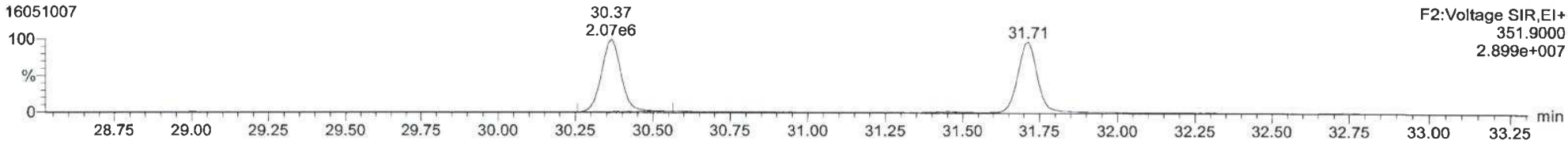
CS4AA 04/30/16

ID: CS3, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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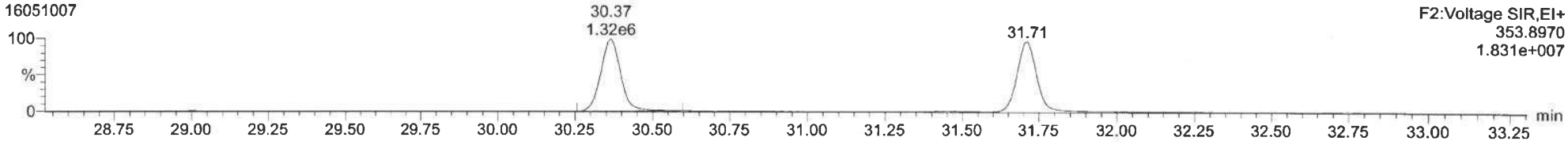

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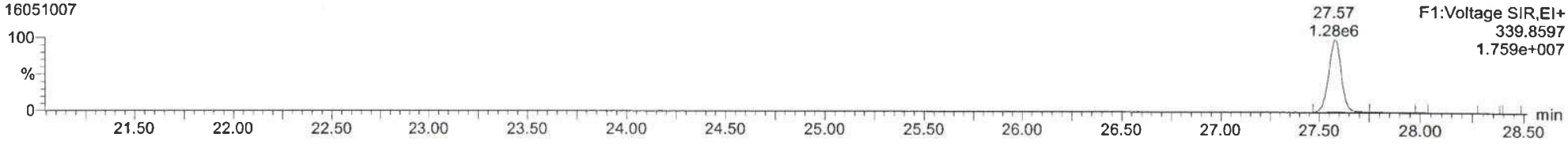
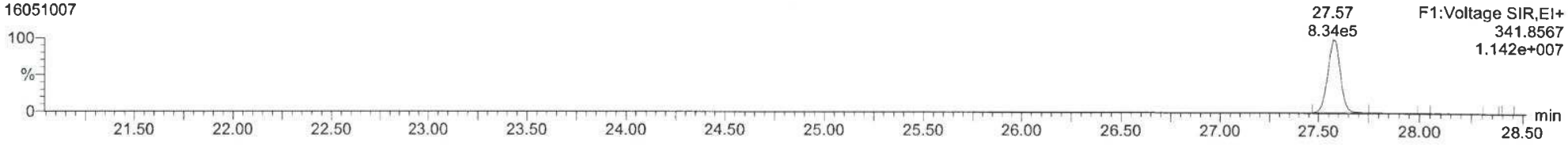
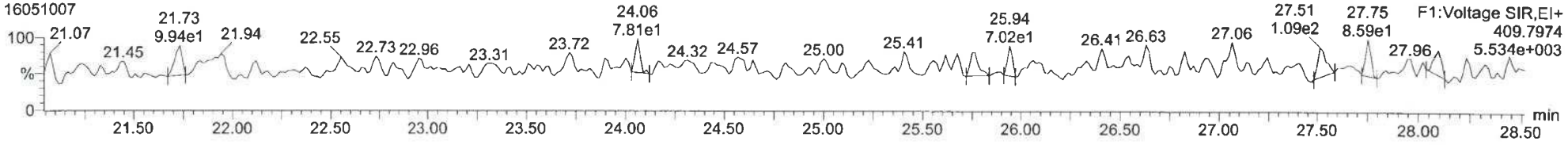


Total-penta1



FUNCTION1 HPCDPE



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
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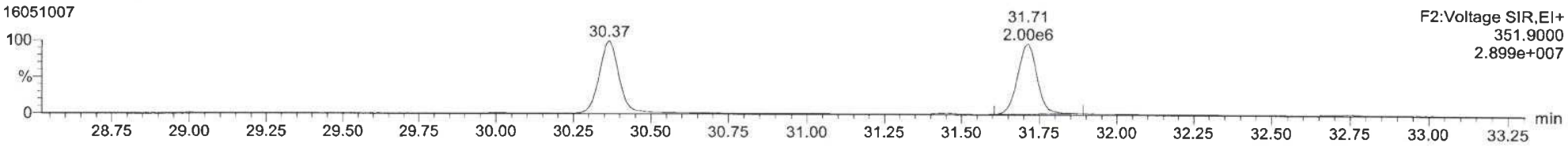
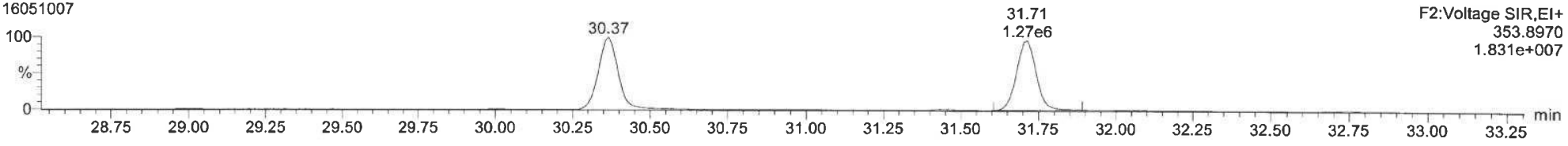
CS4AA 06/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

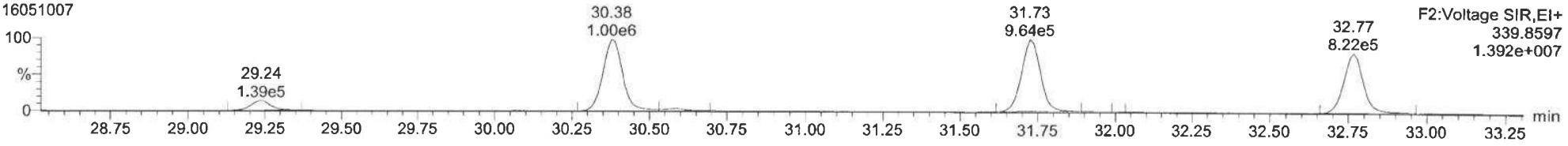
13C-23478-PeCDF



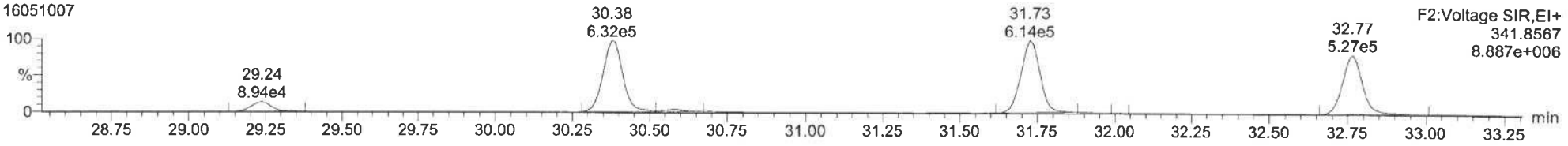
13C-23478-PeCDF



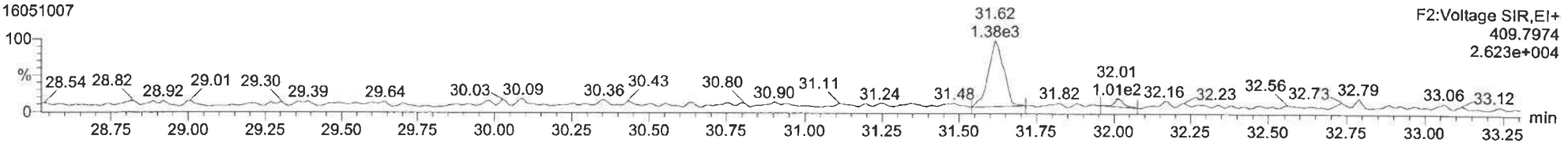
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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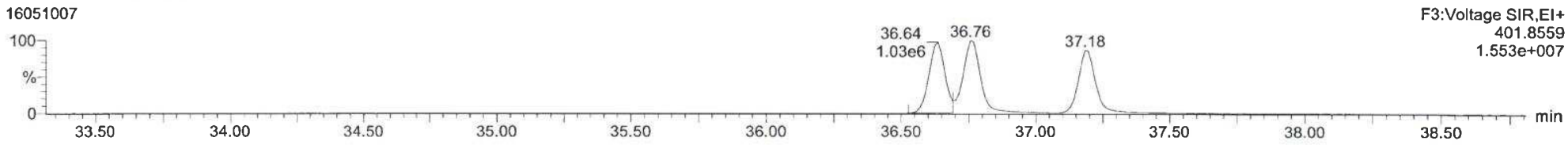
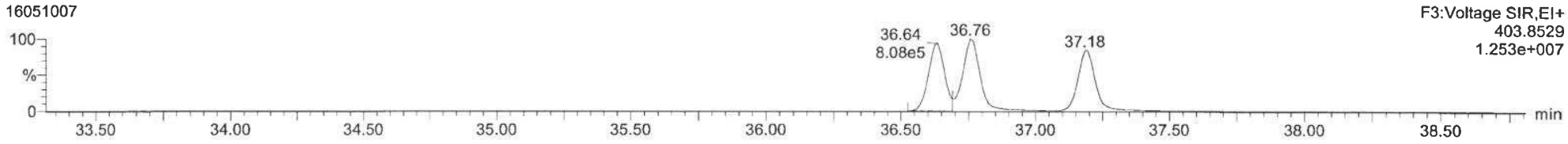
CS4AS 06/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

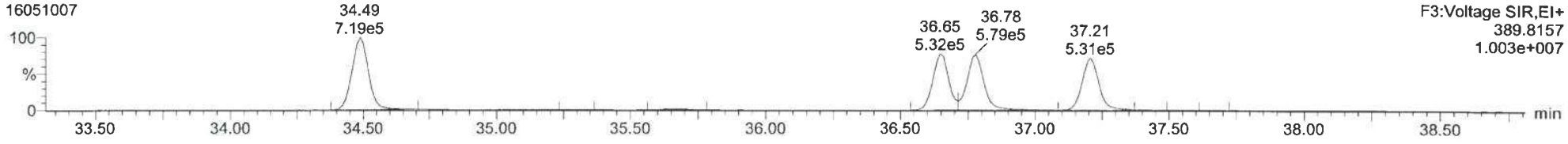
13C-123478-HxCDD



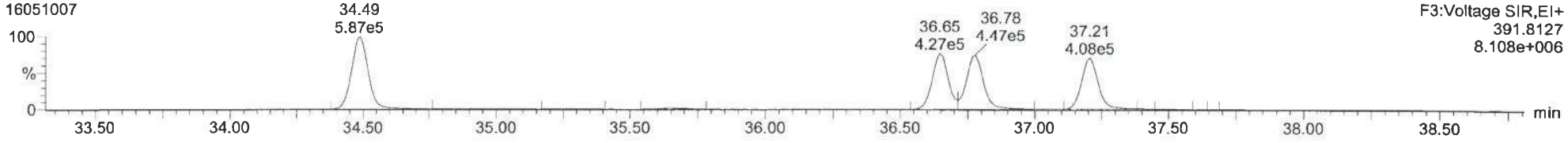
13C-123478-HxCDD



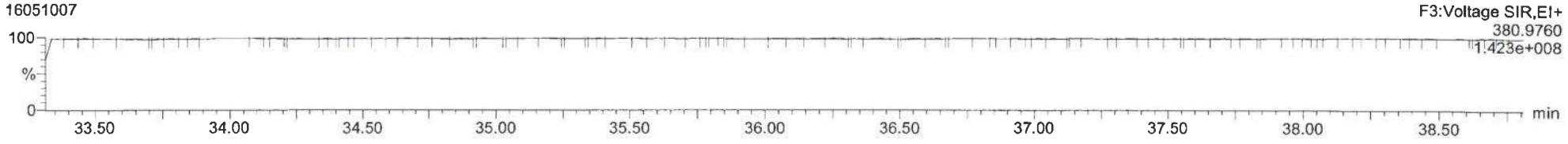
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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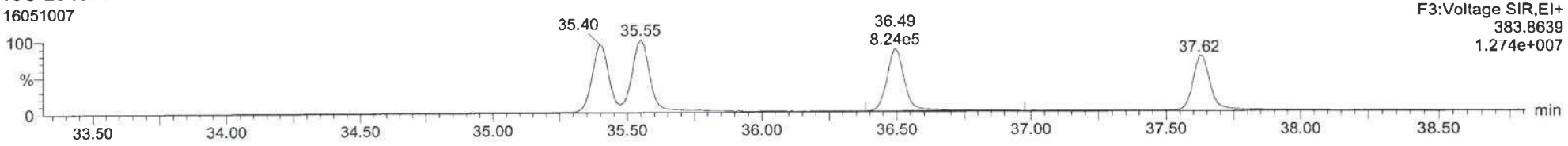
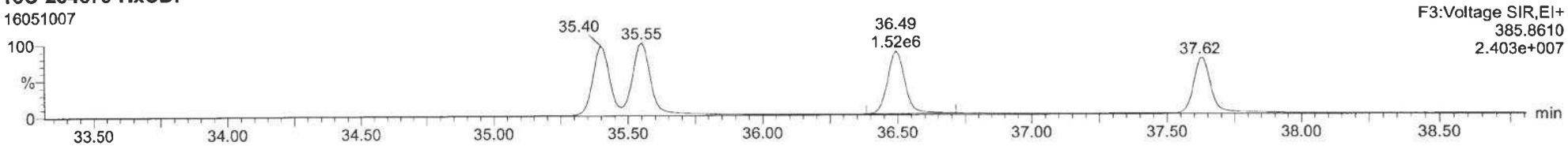
CS4AA 5/30/16

ID: ~~CS3,~~ Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

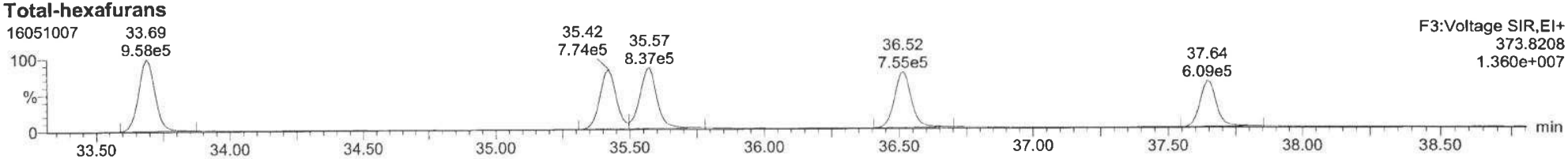
13C-234678-HxCDF



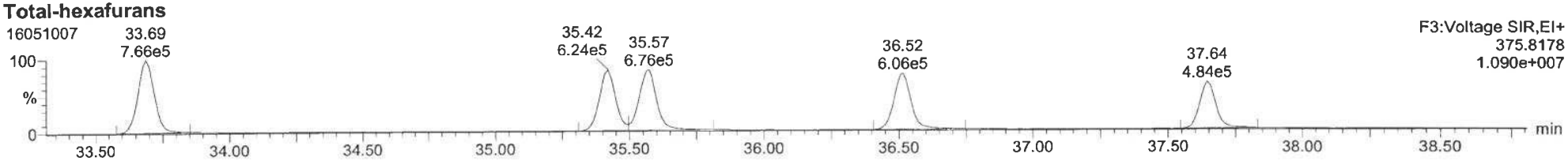
13C-234678-HxCDF



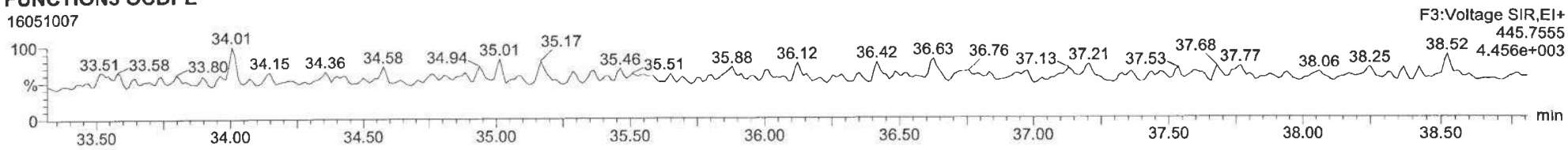
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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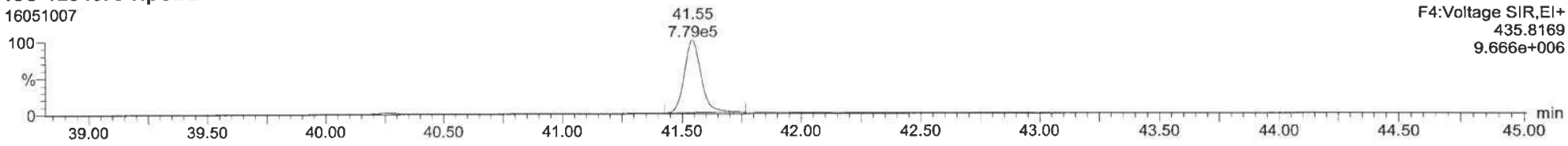
CS4AA 06/30/16 SD

IB: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDD



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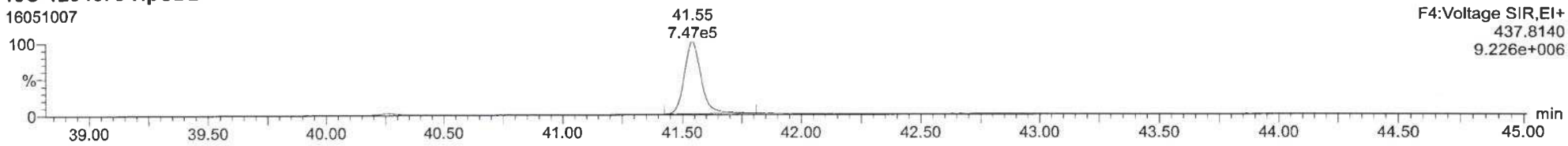
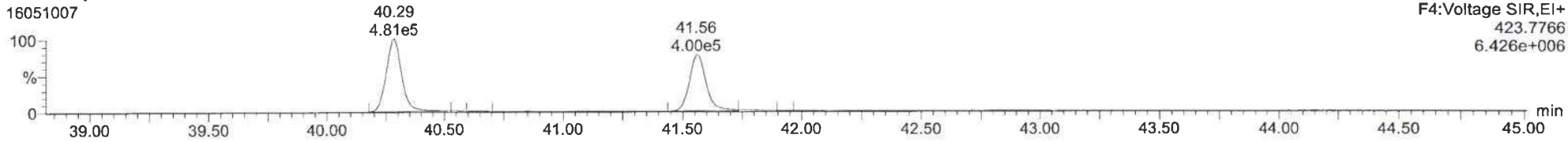
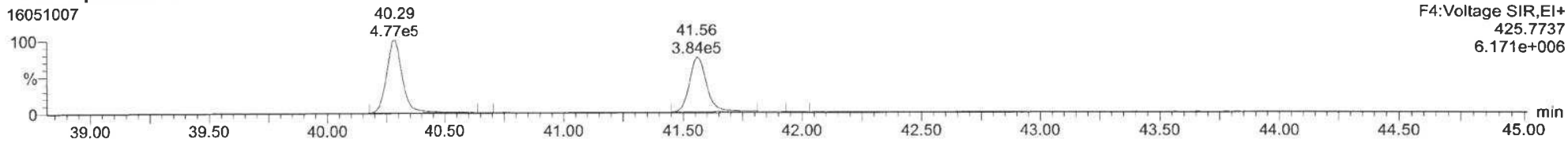


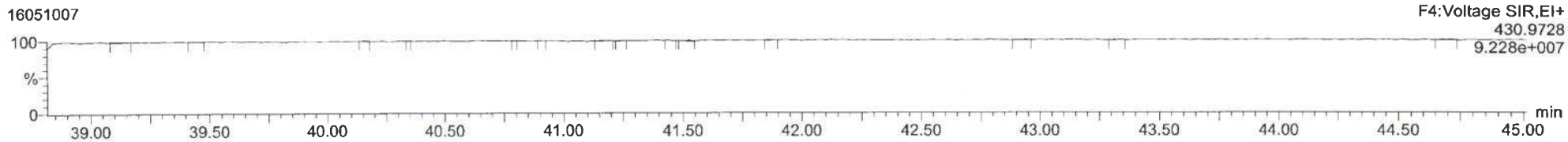
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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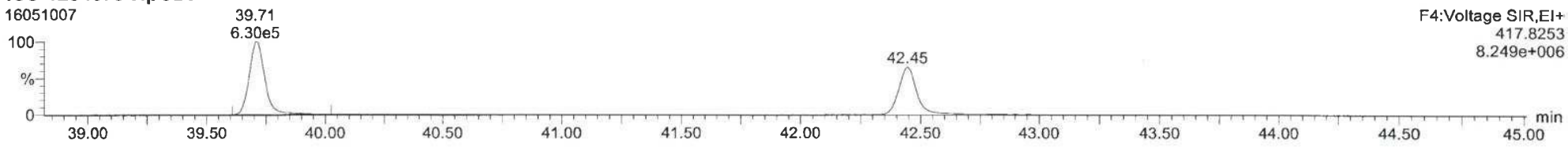
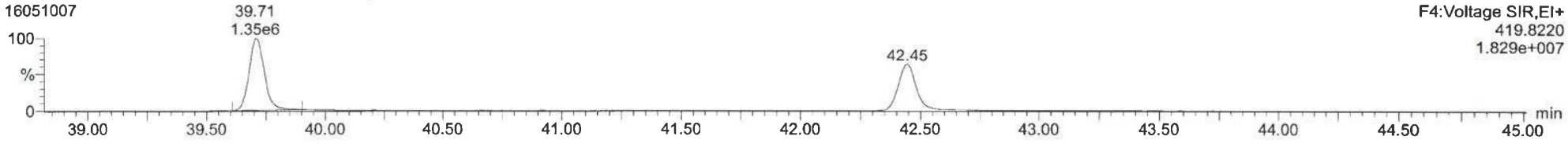
CS4AA 4/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

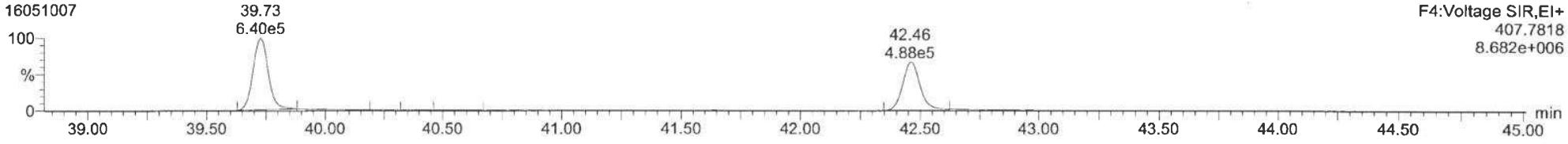
13C-1234678-HpCDF



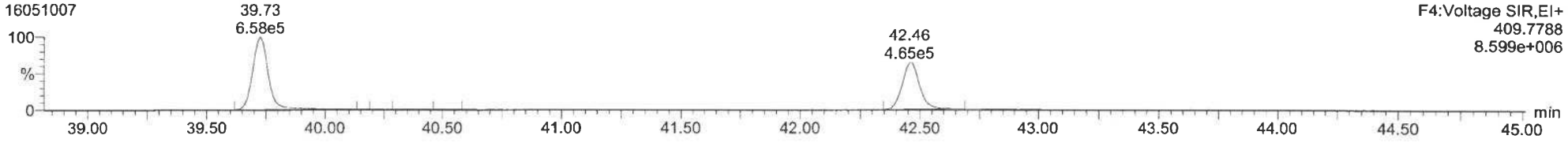
13C-1234678-HpCDF



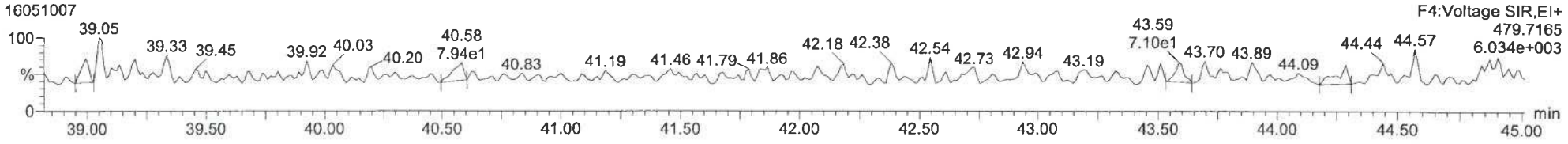
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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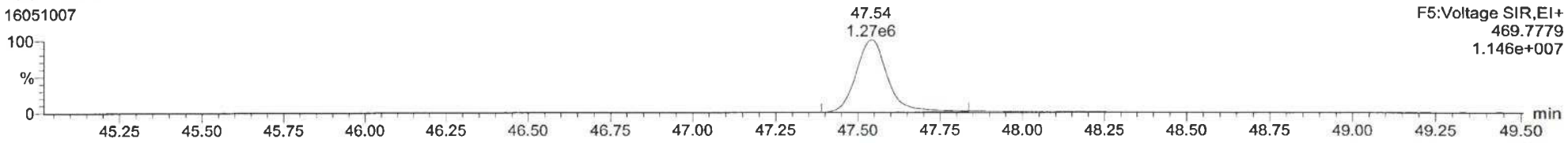
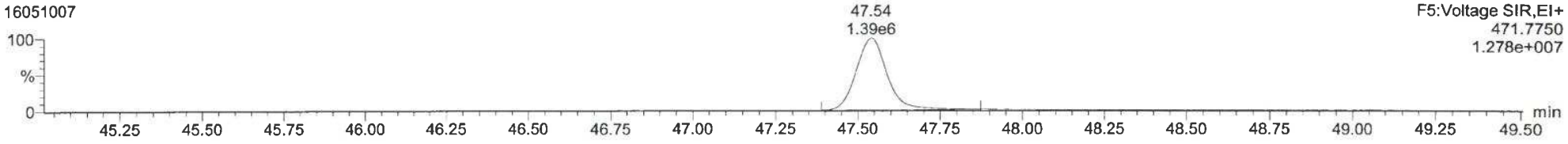
CS4AA 06/30/16

ID: ~~CS3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

13C-OCDD



13C-OCDD



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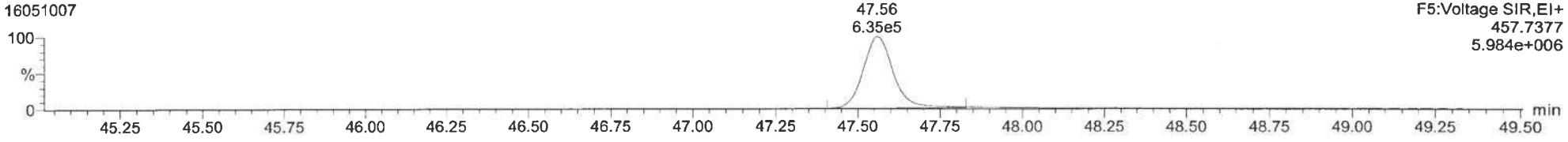

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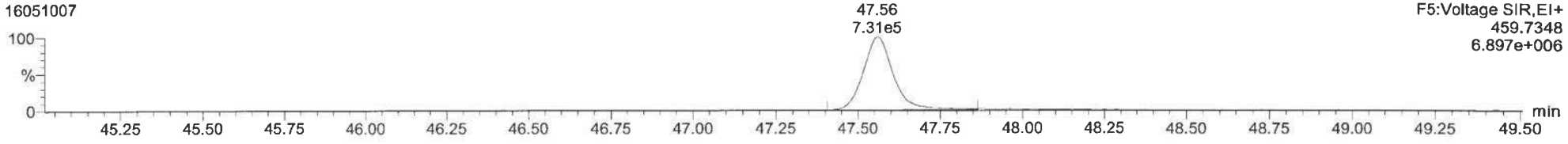
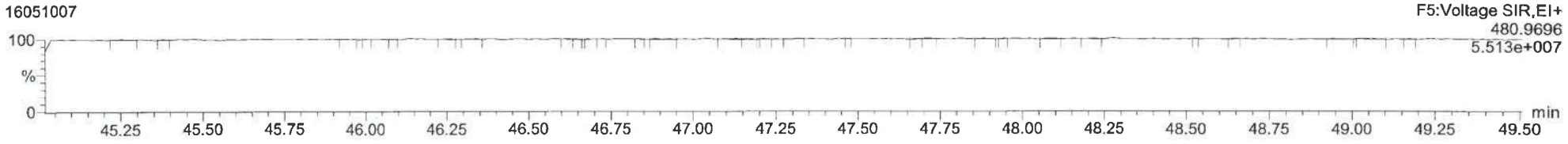


FUNCTION5 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:00 Pacific Daylight Time

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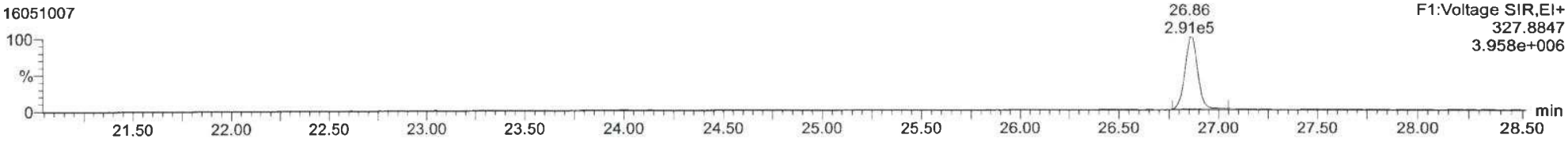
CS4AA 06/30/16

ID: ~~CC3~~, Name: 16051007, Date: 10-May-2016, Time: 16:22:15, Conditions: AUTOSPEC01, User: pk

37CL-2378-TCDD



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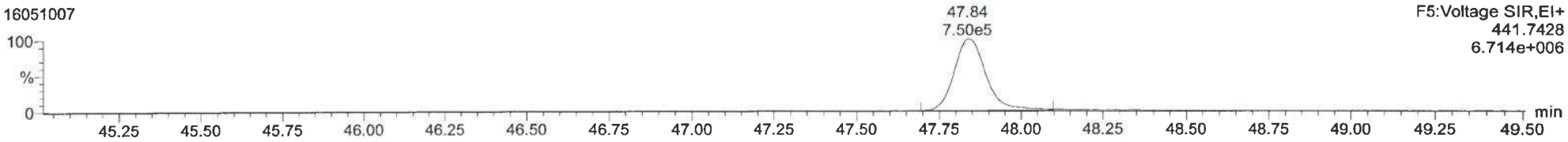
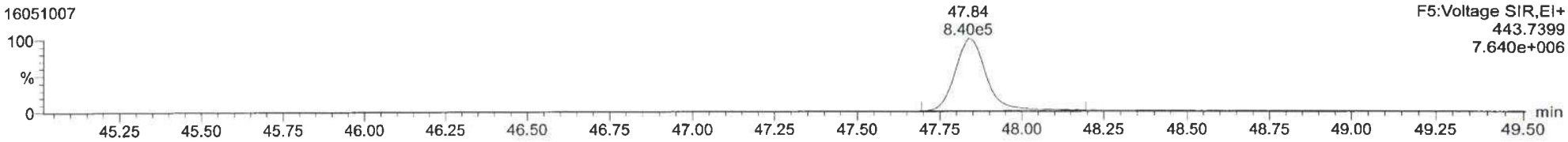
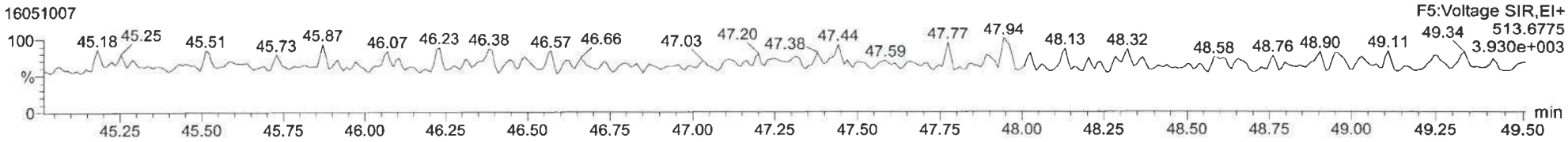


OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**

Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

CS5AA 06/30/16 RD

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
2378-TCDF	26.212	1.001	7.17e5	9.00e5	0.935	0.796	0.770	2295	7656	9.79e6	1.27e7	4263.6	NO	41.031	41.031
12378-PeCDF	30.377	1.000	4.07e6	2.59e6	0.952	1.573	1.550	6883	4240	5.75e7	3.65e7	8348.8	NO	206.758	206.758
23478-PeCDF	31.725	1.001	3.95e6	2.52e6	0.963	1.569	1.550	6883	4240	5.62e7	3.56e7	8161.8	NO	204.434	204.434
123478-HxCDF	35.419	1.001	3.15e6	2.50e6	1.137	1.261	1.240	13601	10755	4.46e7	3.58e7	3276.6	NO	202.836	202.836
234678-HxCDF	36.504	1.000	3.11e6	2.49e6	1.164	1.249	1.240	13601	10755	4.37e7	3.55e7	3210.0	NO	203.680	203.680
123678-HxCDF	35.561	1.001	3.61e6	2.77e6	1.099	1.303	1.240	13601	10755	4.77e7	3.84e7	3506.5	NO	204.059	204.059
123789-HxCDF	37.644	1.001	2.55e6	2.03e6	1.101	1.255	1.240	13601	10755	3.71e7	2.93e7	2726.3	NO	203.367	203.367
1234678-HpCDF	39.715	1.000	2.74e6	2.75e6	1.303	0.994	1.050	6885	7691	3.78e7	3.70e7	5494.3	NO	203.048	203.048
1234789-HpCDF	42.456	1.000	2.10e6	2.02e6	1.317	1.041	1.050	6885	7691	2.44e7	2.36e7	3539.4	NO	211.145	211.145
OCDF	47.836	1.006	3.14e6	3.47e6	1.166	0.905	0.890	4831	4858	3.01e7	3.32e7	6225.8	NO	416.025	416.025
2378-TCDD	26.855	1.001	5.00e5	6.38e5	1.134	0.784	0.770	1676	1626	6.80e6	8.68e6	4059.3	NO	40.594	40.594
12378-PeCDD	31.977	1.001	2.48e6	1.60e6	0.975	1.550	1.550	3667	1576	3.55e7	2.29e7	9674.9	NO	202.869	202.869
123478-HxCDD	36.646	1.001	2.20e6	1.73e6	1.031	1.270	1.240	4236	6491	3.19e7	2.56e7	7523.4	NO	201.866	201.866
123678-HxCDD	36.767	1.000	2.24e6	1.87e6	0.971	1.200	1.240	4236	6491	3.06e7	2.47e7	7220.4	NO	203.339	203.339
123789-HxCDD	37.194	1.012	2.13e6	1.73e6	0.947	1.229	1.240	4236	6491	2.93e7	2.38e7	6928.2	NO	205.678	205.678
1234678-HpCDD	41.557	1.000	1.65e6	1.59e6	1.028	1.039	1.050	4062	5246	2.08e7	1.98e7	5129.3	NO	203.516	203.516
OCDD	47.557	1.000	2.56e6	3.01e6	1.107	0.851	0.890	4823	4025	2.45e7	2.79e7	5087.1	NO	368.986	368.986
13C-2378-TCDF	26.198	1.006	1.86e6	2.36e6	1.567	0.787	0.770	9068	5281	2.59e7	3.31e7	2860.1	NO		97.809
13C-12378-PeCDF	30.366	1.166	2.08e6	1.31e6	1.274	1.590	1.550	3910	3905	2.93e7	1.85e7	7488.0	NO		96.584
13C-23478-PeCDF	31.703	1.218	2.01e6	1.28e6	1.235	1.575	1.550	3910	3905	2.90e7	1.83e7	7419.1	NO		96.913
13C-123478-HxCDF	35.397	0.952	8.47e5	1.61e6	1.381	0.527	0.510	3719	7297	1.21e7	2.31e7	3247.7	NO		100.488
13C-123678-HxCDF	35.539	0.956	9.67e5	1.88e6	1.569	0.514	0.510	3719	7297	1.28e7	2.49e7	3445.1	NO		102.721
13C-234678-HxCDF	36.493	0.981	8.07e5	1.56e6	1.345	0.518	0.510	3719	7297	1.12e7	2.15e7	3012.3	NO		99.485
13C-123789-HxCDF	37.622	1.012	6.97e5	1.35e6	1.183	0.515	0.510	3719	7297	1.04e7	1.97e7	2786.8	NO		98.078
13C-1234678-HpCDF	39.704	1.068	6.29e5	1.45e6	1.178	0.435	0.440	3678	4603	8.83e6	1.95e7	2402.0	NO		99.678
13C-1234789-HpCDF	42.434	1.141	4.60e5	1.02e6	0.878	0.450	0.440	3678	4603	5.41e6	1.19e7	1470.4	NO		95.545
13C-1234-TCDD	26.033	0.000	1.21e6	1.54e6	1.000	0.788	0.770	4360	2513	1.71e7	2.16e7	3929.7	NO		100.000
13C-2378-TCDD	26.840	1.031	1.09e6	1.38e6	0.908	0.787	0.770	4360	2513	1.50e7	1.90e7	3451.4	NO		99.039
13C-12378-PeCDD	31.955	1.227	1.28e6	7.82e5	0.756	1.634	1.550	2594	1749	1.74e7	1.10e7	6717.7	NO		99.127
13C-123478-HxCDD	36.624	0.985	1.06e6	8.27e5	1.056	1.280	1.240	3316	7010	1.55e7	1.22e7	4679.9	NO		101.114
13C-123678-HxCDD	36.756	0.988	1.16e6	9.21e5	1.163	1.258	1.240	3316	7010	1.57e7	1.27e7	4733.5	NO		101.181
13C-1234678-HpCDD	41.535	1.117	7.90e5	7.57e5	0.909	1.044	1.050	3750	2889	1.00e7	9.48e6	2676.9	NO		96.299
13C-OCDD	47.540	1.278	1.31e6	1.41e6	0.820	0.929	0.890	4418	5175	1.19e7	1.33e7	2699.0	NO		188.350

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

CS5AA 04/3x/16

ID: ~~CS4,~~ Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
13C-123789-HxCDD	37.183	0.000	9.81e5	7.86e5	1.000	1.248	1.240	3316	7010	1.40e7	1.10e7	4215.8	NO		100.000
Total-tetrafurans			7.32e5		0.935			2295		9.99e6					41.818
Total-penta1			3.02e2					1006		4.38e3					0.012
Total-pentafurans			8.28e6		0.957			6883		1.16e8					423.647
Total-hexafurans			1.24e7		1.125			13601		1.73e8					814.310
Total-heptafurans			4.84e6		1.310			6885		6.23e7					414.734
Total-Furans			2.94e7		1.114			2295		3.92e8					2110.546
Total-tetradioxins			5.13e5		1.134			1676		6.96e6					41.692
Total-pentadioxins			2.48e6		0.975			3667		3.56e7					203.361
Total-hexadioxins			6.57e6		0.983			4236		9.19e7					611.686
Total-heptadioxins			1.66e6		1.028			4062		2.09e7					204.605
Total-Dioxins			1.38e7		1.028			1676		1.80e8					1430.329
Total-TEQ			4.32e7					1676		5.72e8					3540.875
37CL-2378-TCDD	26.855	1.032	1.19e6		1.067			2351		1.63e7		6926.2			40.530
FUNCTION1 PFK			5.93e6					1292017		8.23e7					
FUNCTION2 PFK			1.97e5					231314		5.98e6					0.000
FUNCTION3 PFK			4.75e5					829123		1.56e7					0.000
FUNCTION4 PFK			5.13e5					609401		1.38e7					
FUNCTION5 PFK			1.90e5					404182		8.68e6					
FUNCTION1 HXCDPE			8.25e1					694		1.17e3					0.000
FUNCTION1 HPCDPE			1.77e3					1114		3.08e4					0.000
FUNCTION2 HPCDPE			5.48e3					1104		8.68e4					0.000
FUNCTION3 OCDPE			0.00e0					541		0.00e0					
FUNCTION4 NCDPE			3.38e2					700		8.15e3					0.000
FUNCTION5 DCDPE			1.08e2					501		3.99e3					0.000

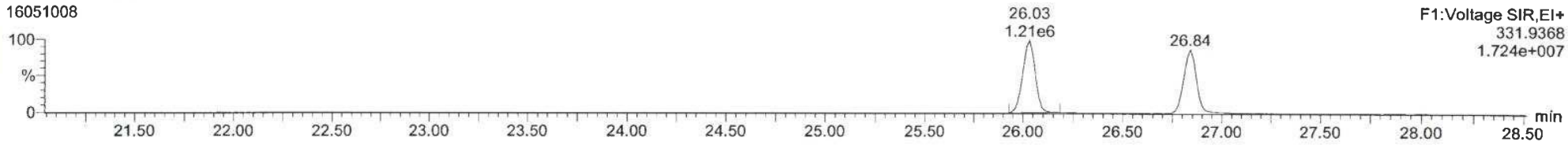
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

CS5AA 06/30/16

ID: CS4, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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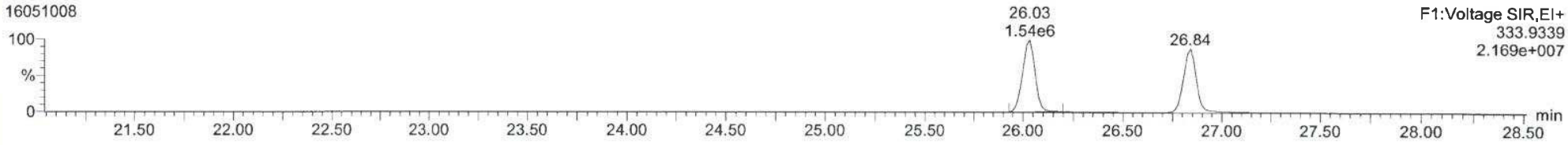

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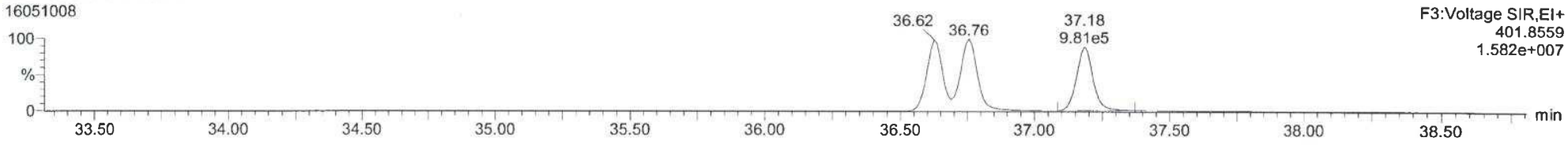

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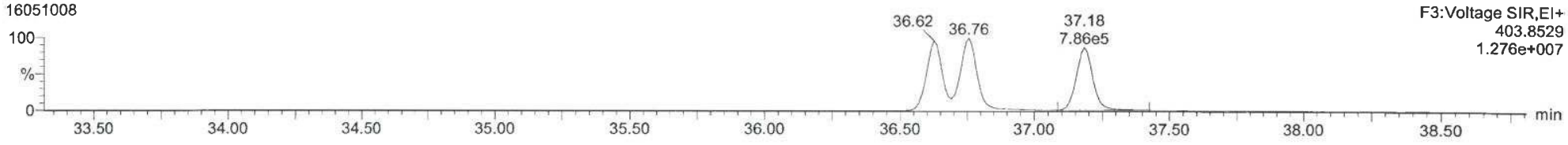
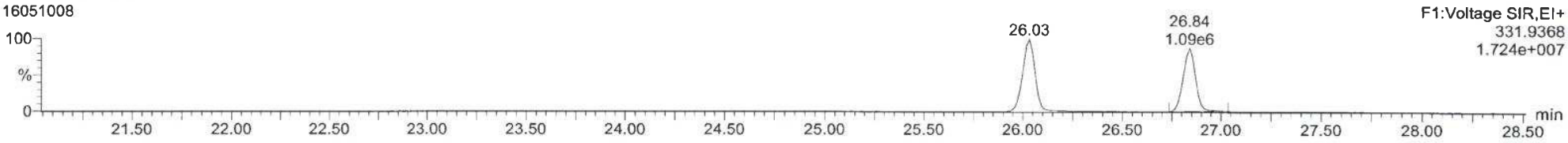


CS5 AA 06/30/16

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD



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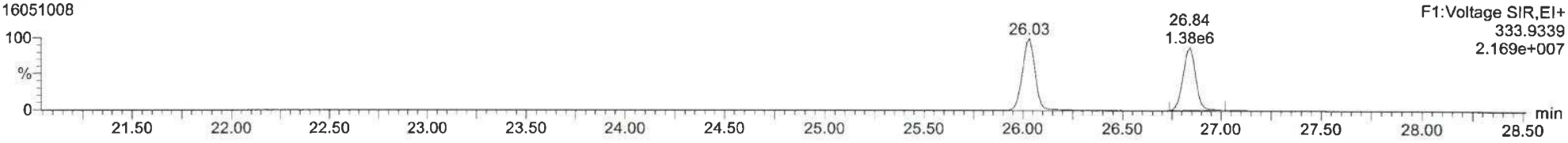
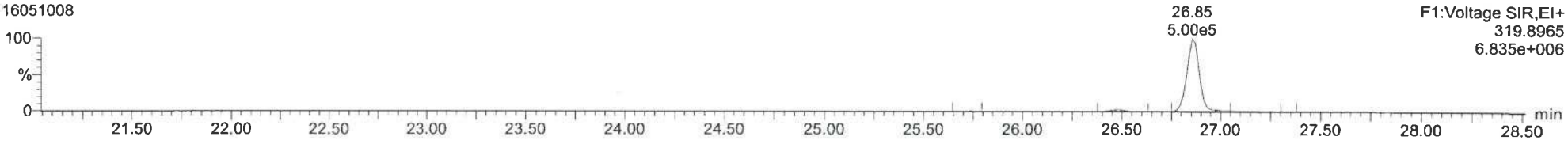
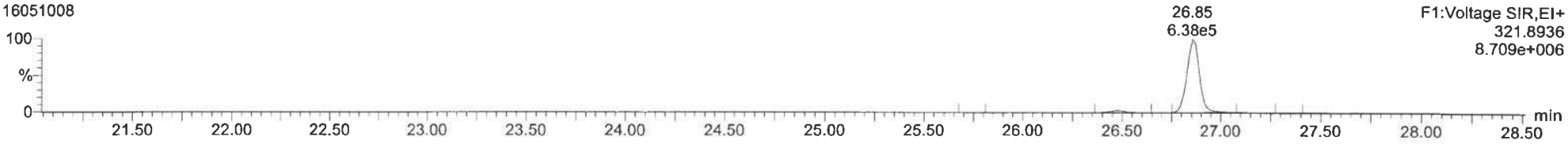


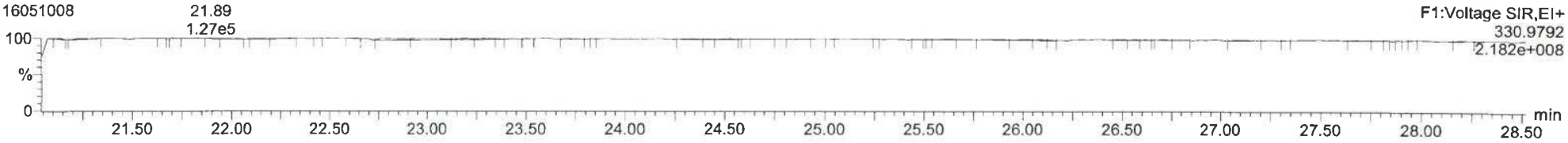
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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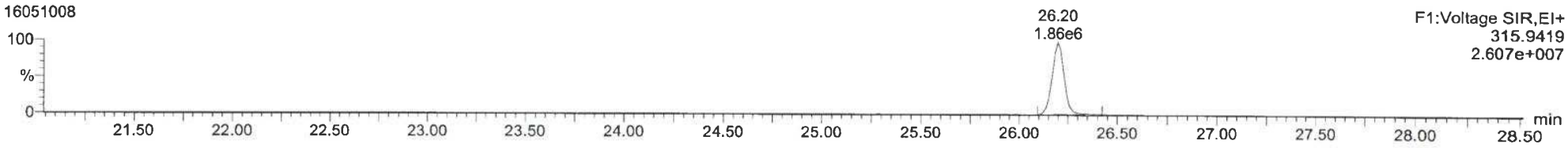
CS5AA 06/30/16

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDF



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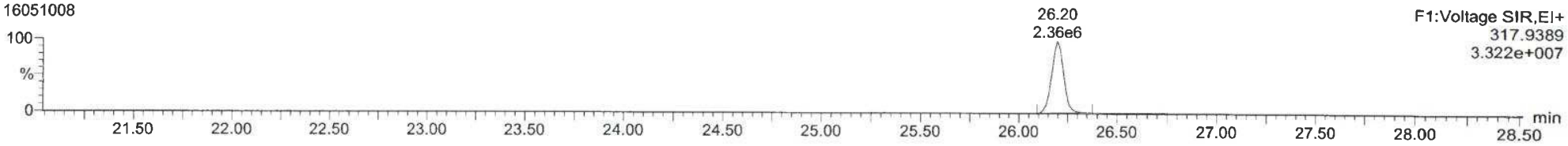
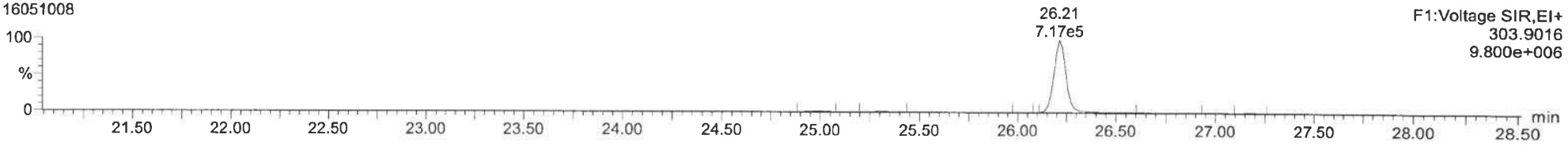
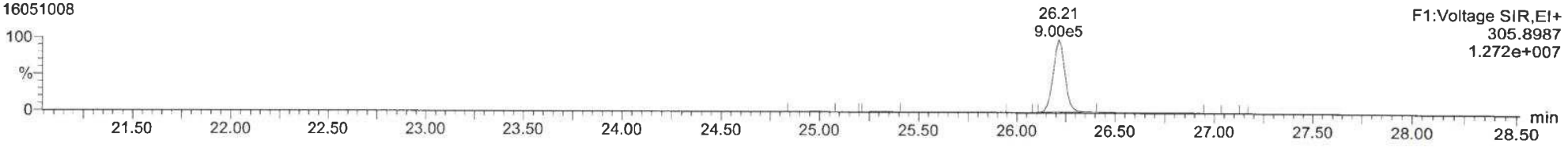


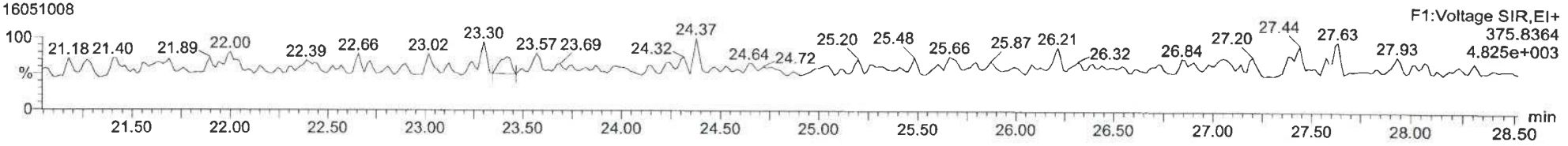
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE

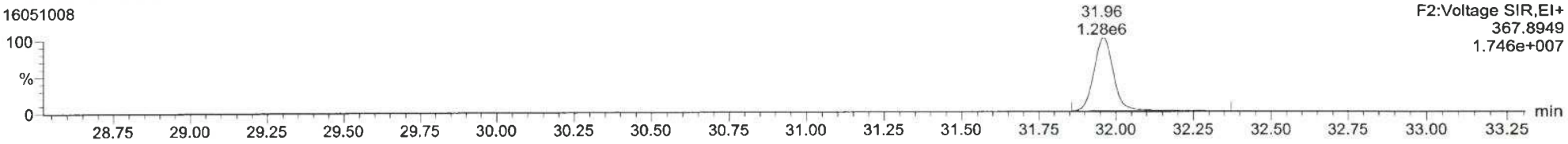


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

CS5AA 05/30/16 JD

ID: CS4, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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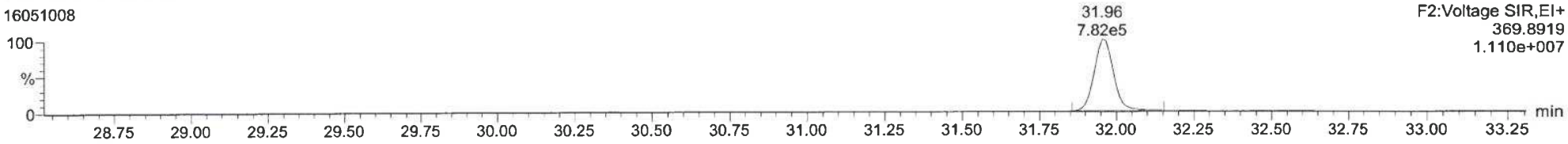
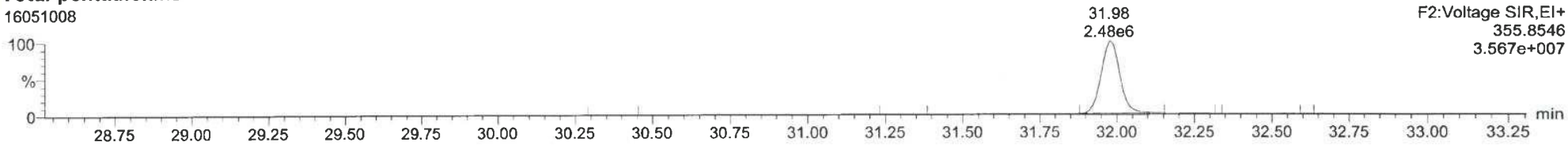
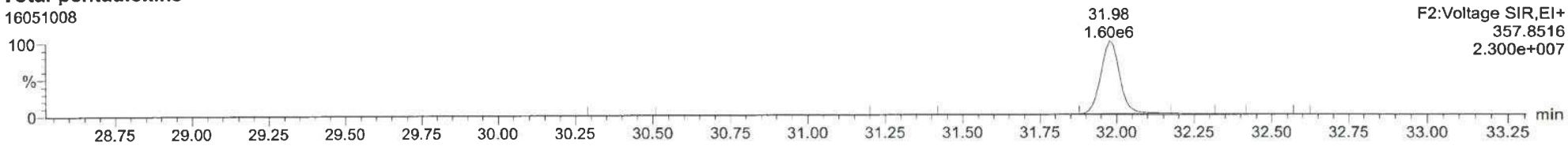


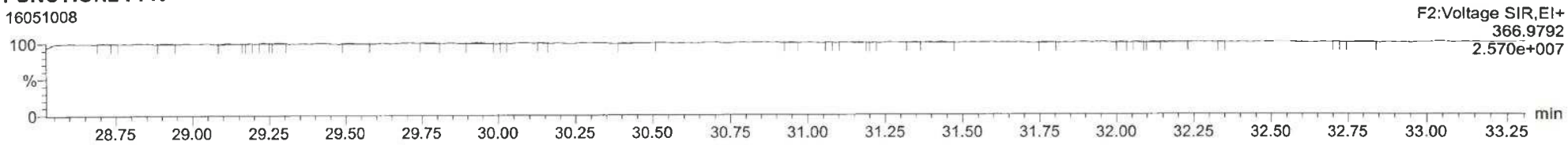
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK

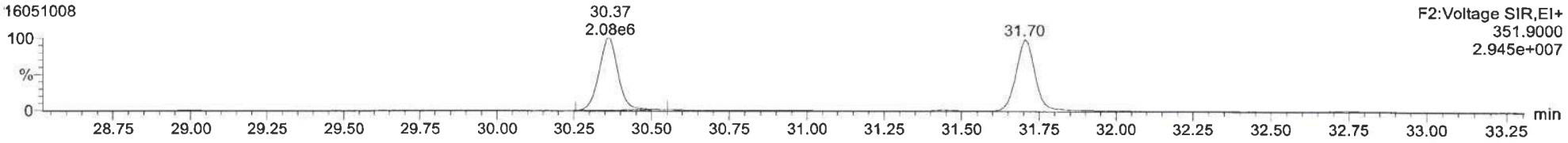


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

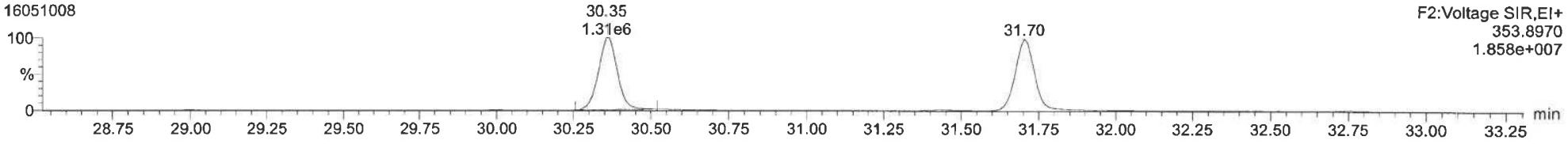
CS5AA 06/30/16

ID: CS4, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

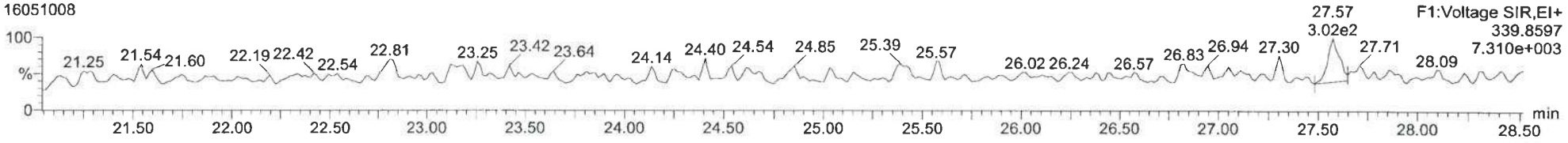
13C-12378-PeCDF



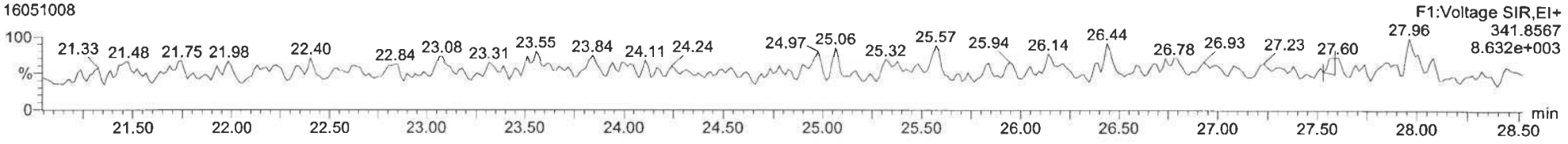
13C-12378-PeCDF



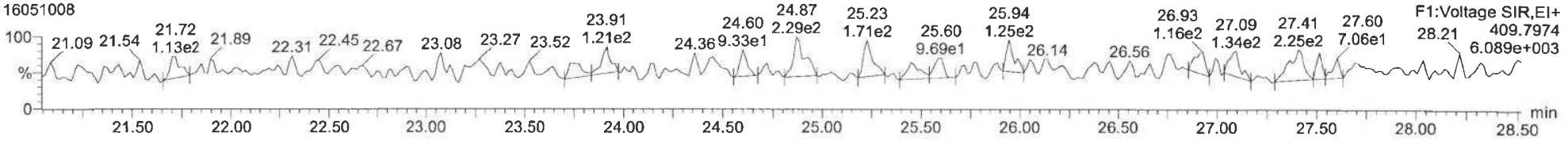
Total-penta1



Total-penta1



FUNCTION1 HPCDPE

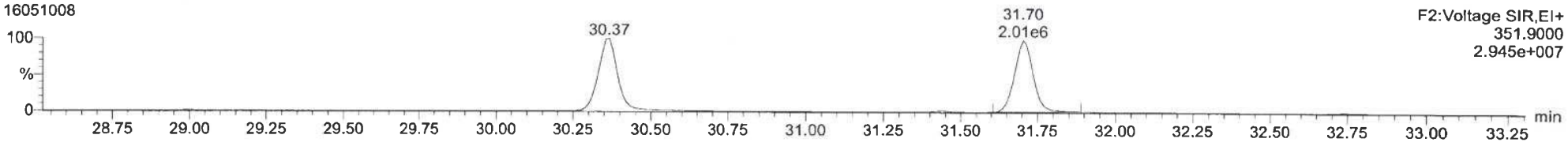


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

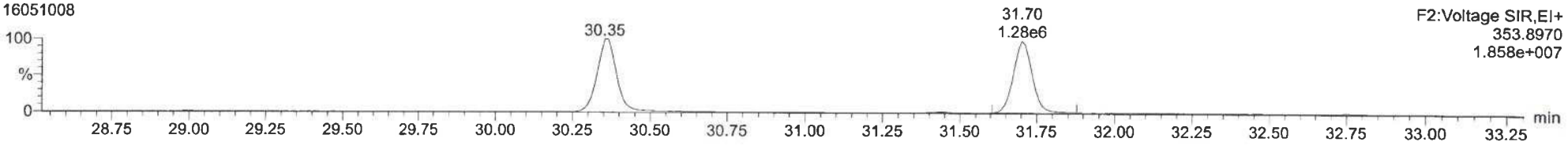
CS5AA 06/30/16 SD

ID: ~~CS4,~~ Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

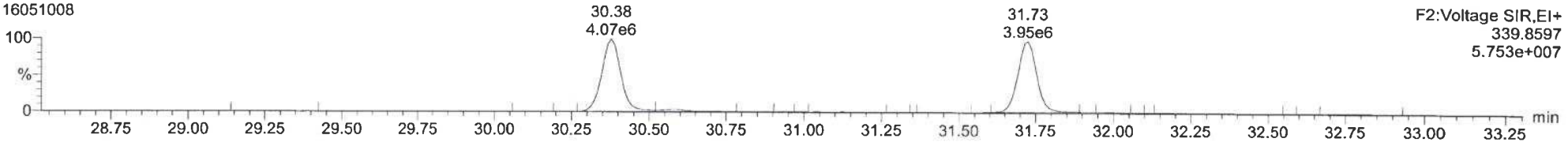
13C-23478-PeCDF



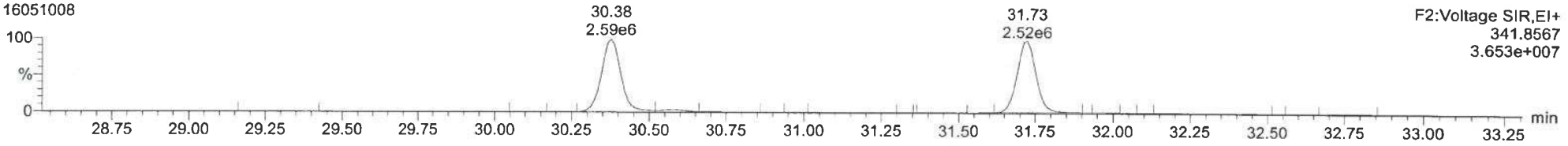
13C-23478-PeCDF



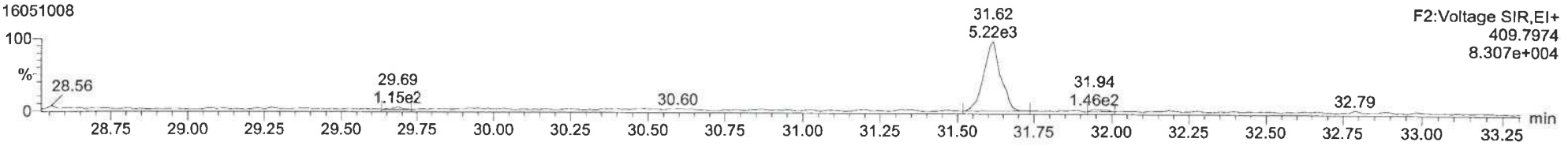
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE

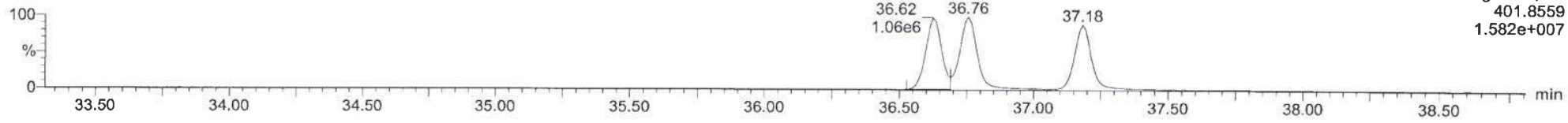


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

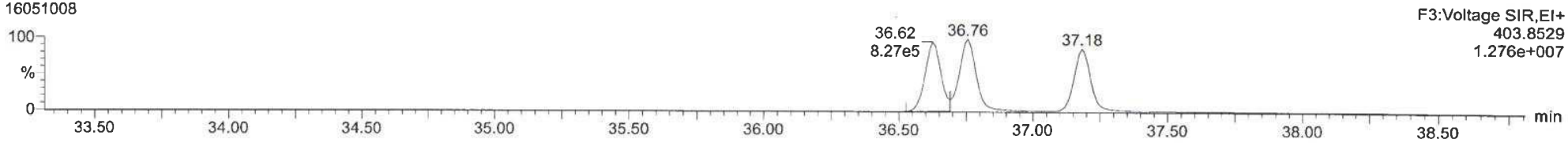
C55AA 06/30/16 SK

ID: ~~664~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

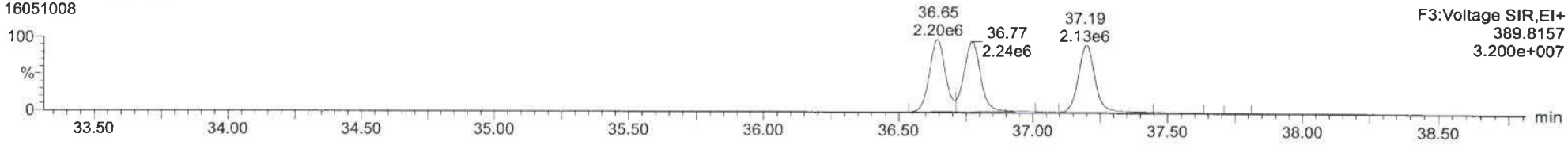
13C-123478-HxCDD
16051008



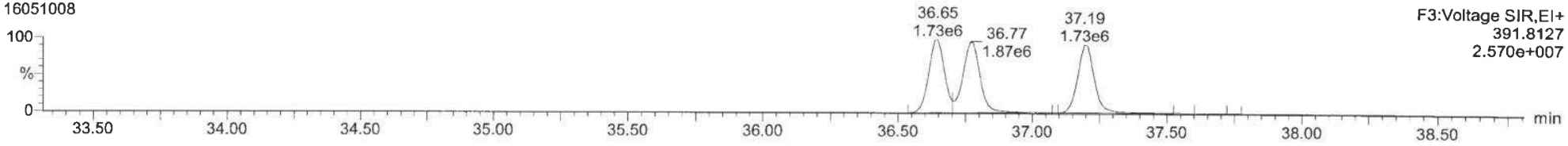
13C-123478-HxCDD
16051008



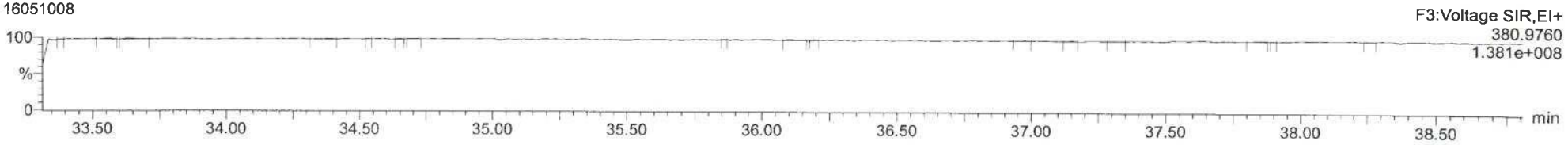
Total-hexadioxins
16051008



Total-hexadioxins
16051008



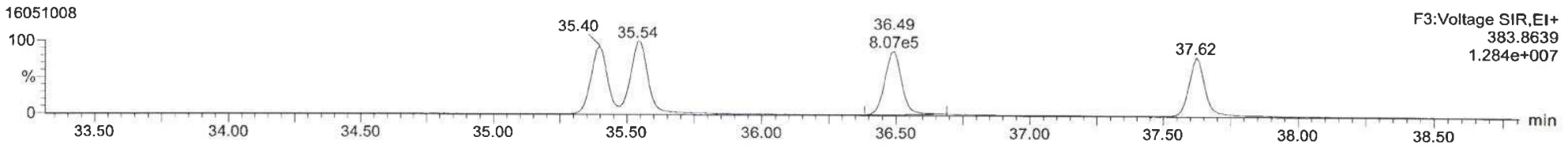
FUNCTION3 PFK
16051008



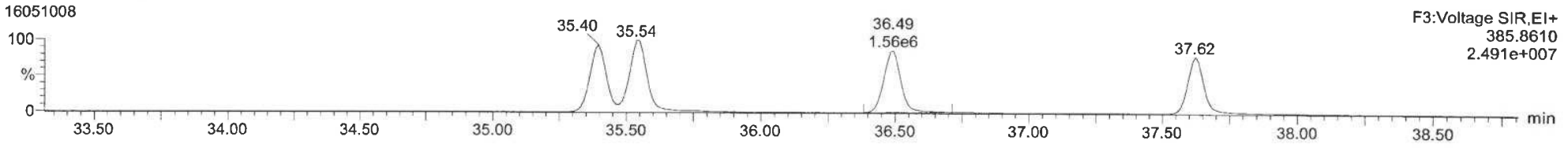
CS5AA 06/30/16

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

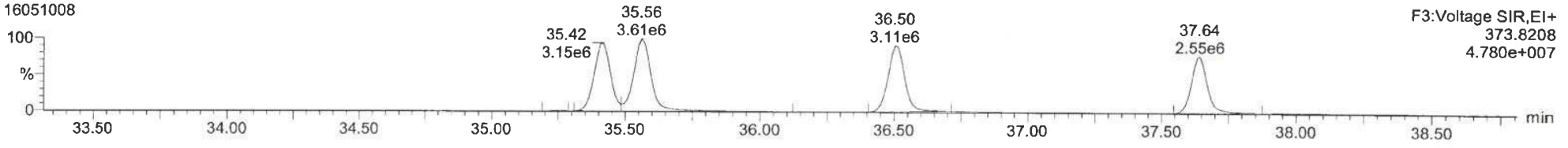
13C-234678-HxCDF



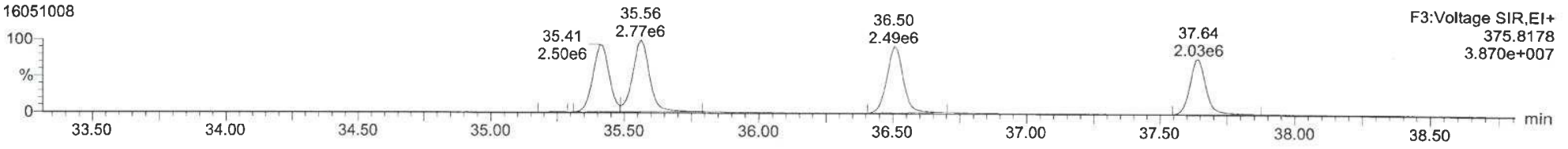
13C-234678-HxCDF



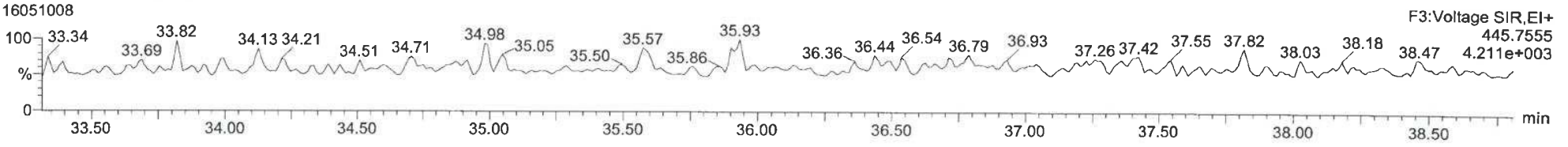
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE

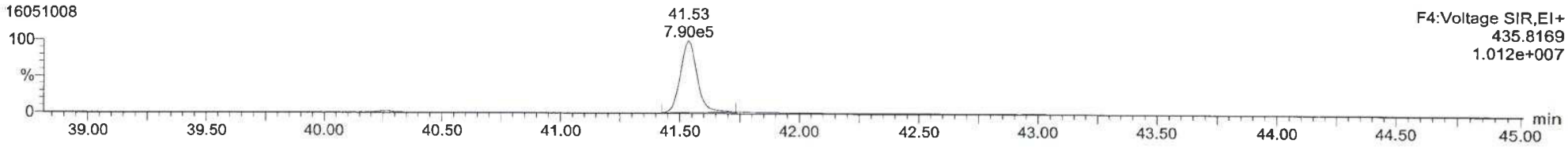


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

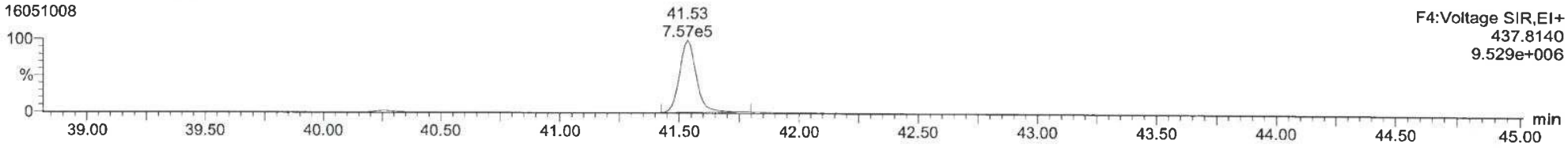
CS5AA 05/30/16 RD

ID: CS4, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

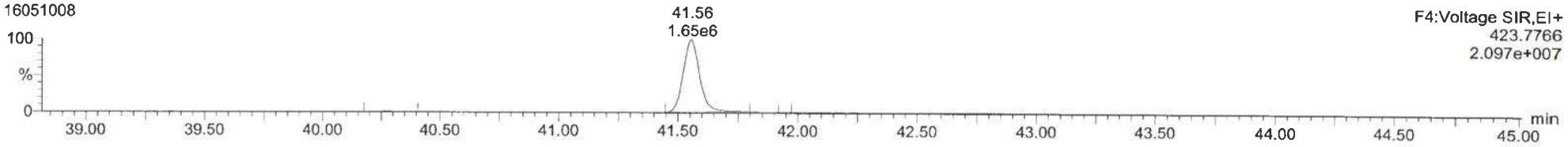
13C-1234678-HpCDD



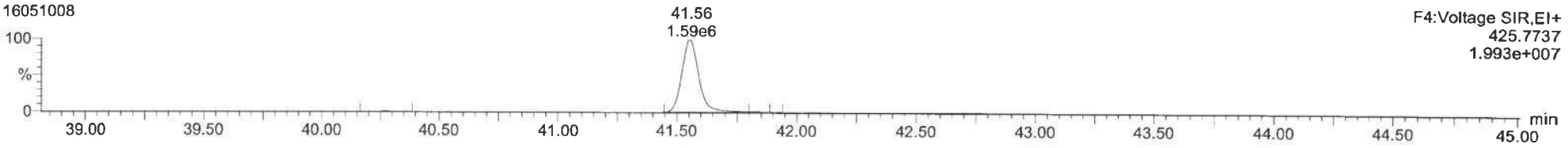
13C-1234678-HpCDD



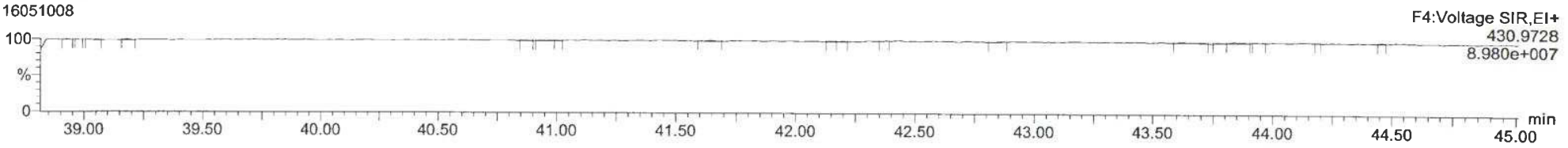
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK

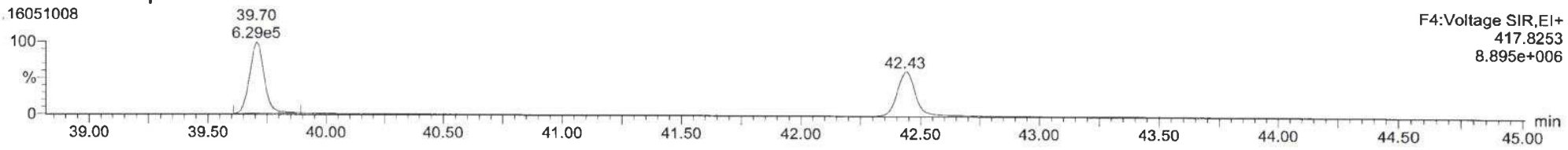


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

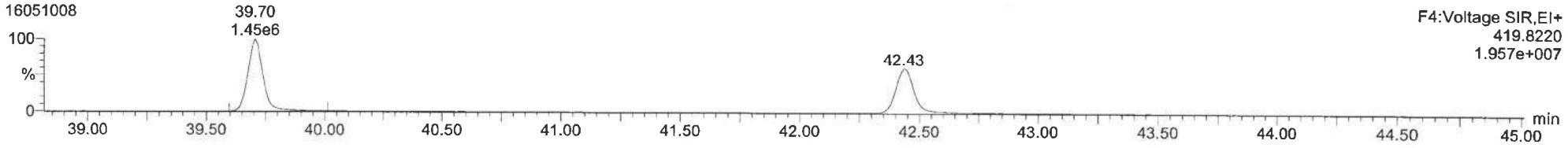
CS5AA 5/30/16

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

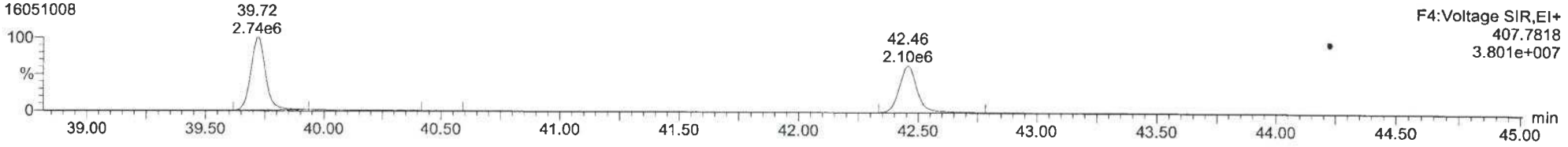
13C-1234678-HpCDF



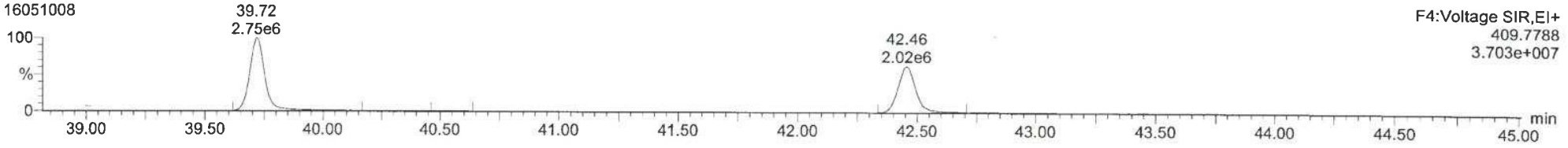
13C-1234678-HpCDF



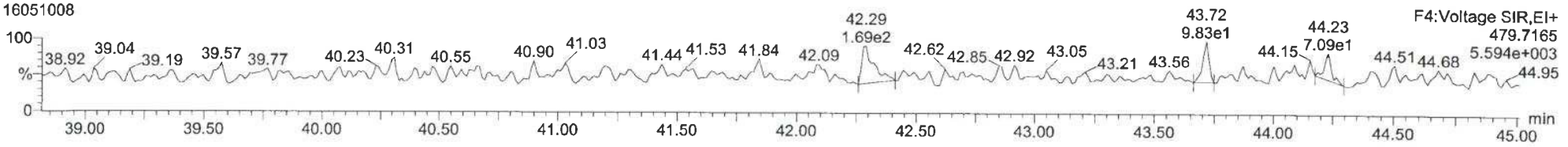
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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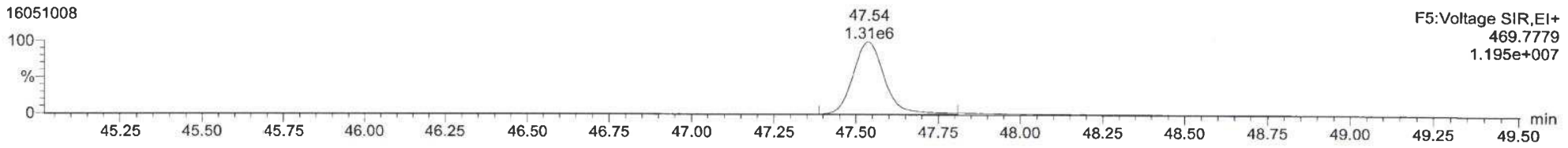
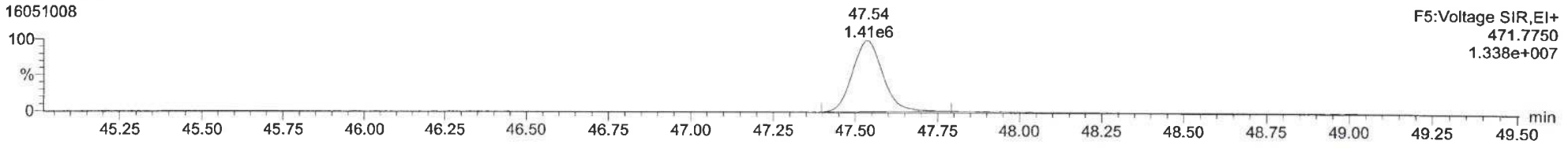
CSSAA 06/30/16

ID: ~~CS4~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

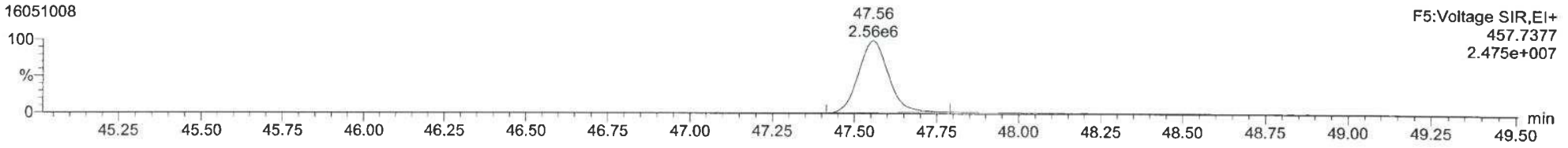
13C-OCDD



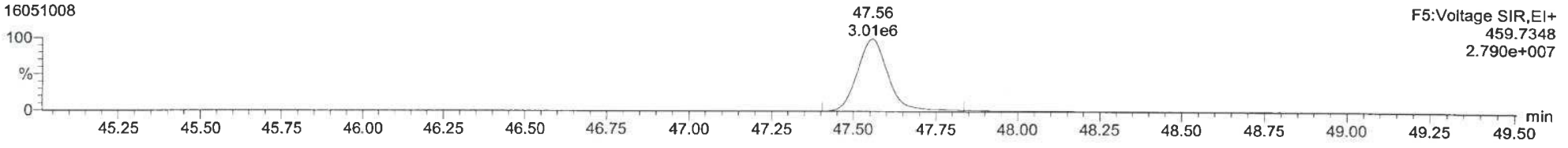
13C-OCDD



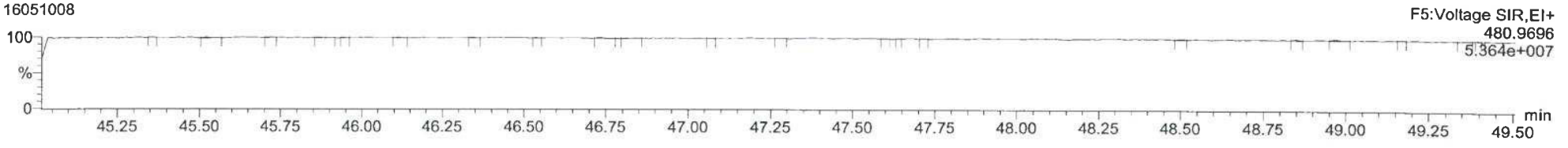
OCDD



OCDD



FUNCTION5 PFK

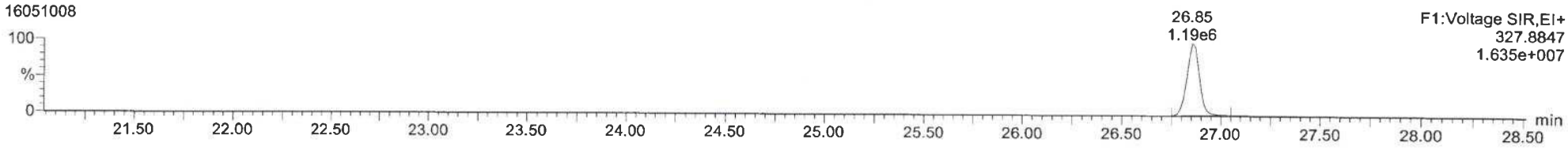


Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:02 Pacific Daylight Time

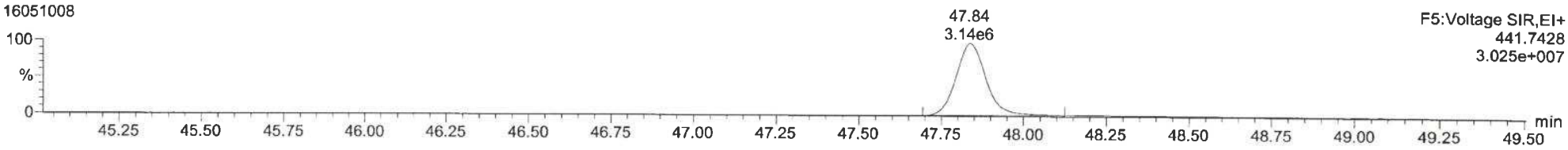
CSSAA 06/30/16

ID: ~~G64~~, Name: 16051008, Date: 10-May-2016, Time: 17:15:41, Conditions: AUTOSPEC01, User: pk

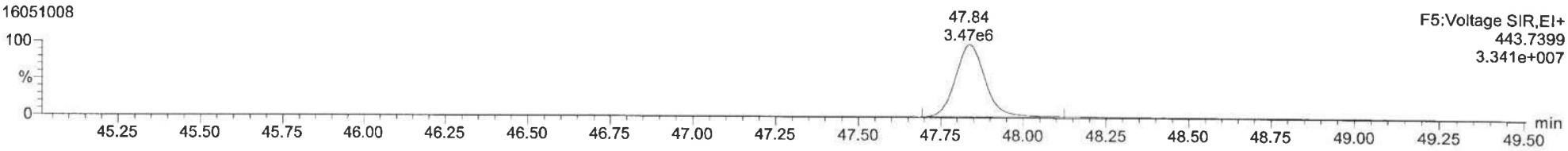
37CL-2378-TCDD



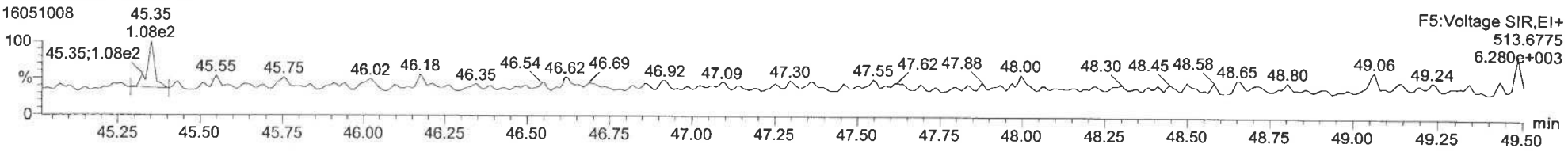
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:04 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40
CS6AA 04/30/16
ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
2378-TCDF	26.212	1.001	4.35e6	5.57e6	0.935	0.781	0.770	3279	3680	6.11e7	7.84e7	18621.5	NO	206.462	206.462
12378-PeCDF	30.377	1.000	2.72e7	1.72e7	0.952	1.576	1.550	14139	10671	3.91e8	2.49e8	27634.8	NO	1038.923	1038.923
23478-PeCDF	31.725	1.001	2.69e7	1.72e7	0.963	1.570	1.550	14139	10671	3.91e8	2.50e8	27673.1	NO	1035.813	1035.813
123478-HxCDF	35.419	1.001	2.17e7	1.75e7	1.137	1.242	1.240	7978	9889	3.12e8	2.50e8	39150.1	NO	1008.651	1008.651
234678-HxCDF	36.505	1.000	2.27e7	1.82e7	1.164	1.243	1.240	7978	9889	3.15e8	2.54e8	39519.1	NO	1041.959	1041.959
123678-HxCDF	35.562	1.000	2.39e7	1.91e7	1.099	1.252	1.240	7978	9889	3.39e8	2.72e8	42475.3	NO	1015.919	1015.919
123789-HxCDF	37.645	1.001	1.89e7	1.51e7	1.101	1.248	1.240	7978	9889	2.90e8	2.31e8	36301.1	NO	1034.223	1034.223
1234678-HpCDF	39.727	1.001	2.00e7	1.92e7	1.303	1.041	1.050	13198	14124	2.82e8	2.69e8	21353.7	NO	1034.086	1034.086
1234789-HpCDF	42.457	1.000	1.57e7	1.52e7	1.317	1.035	1.050	13198	14124	1.92e8	1.85e8	14512.2	NO	1027.817	1027.817
OCDF	47.846	1.006	2.64e7	2.91e7	1.166	0.906	0.890	7357	6921	2.57e8	2.84e8	34912.8	NO	2093.402	2093.402
2378-TCDD	26.855	1.001	3.13e6	3.99e6	1.134	0.783	0.770	1887	2391	4.28e7	5.53e7	22681.5	NO	204.457	204.457
12378-PeCDD	31.978	1.000	1.70e7	1.09e7	0.975	1.561	1.550	4731	4226	2.43e8	1.57e8	51272.0	NO	1044.238	1044.238
123478-HxCDD	36.647	1.001	1.56e7	1.25e7	1.031	1.249	1.240	3956	4009	2.25e8	1.81e8	56938.3	NO	1020.760	1020.760
123678-HxCDD	36.779	1.001	1.59e7	1.26e7	0.971	1.256	1.240	3956	4009	2.24e8	1.79e8	56542.7	NO	1004.474	1004.474
123789-HxCDD	37.206	1.012	1.51e7	1.21e7	0.947	1.250	1.240	3956	4009	2.17e8	1.74e8	54856.0	NO	1028.413	1028.413
1234678-HpCDD	41.558	1.000	1.24e7	1.19e7	1.028	1.044	1.050	10198	7182	1.65e8	1.59e8	16208.2	NO	1021.448	1021.448
OCDD	47.568	1.000	2.19e7	2.46e7	1.107	0.890	0.890	6830	10054	2.13e8	2.39e8	31234.5	NO	1848.573	1848.573
13C-2378-TCDF	26.198	1.006	2.26e6	2.88e6	1.567	0.783	0.770	8687	4581	3.15e7	4.04e7	3628.1	NO		104.094
13C-12378-PeCDF	30.366	1.166	2.75e6	1.74e6	1.274	1.581	1.550	4421	4290	3.93e7	2.46e7	8890.8	NO		111.735
13C-23478-PeCDF	31.703	1.218	2.71e6	1.71e6	1.235	1.586	1.550	4421	4290	3.80e7	2.42e7	8604.3	NO		113.556
13C-123478-HxCDF	35.397	0.952	1.16e6	2.25e6	1.381	0.517	0.510	3724	6188	1.67e7	3.20e7	4489.5	NO		97.181
13C-123678-HxCDF	35.551	0.956	1.30e6	2.55e6	1.569	0.510	0.510	3724	6188	1.85e7	3.52e7	4967.8	NO		96.347
13C-234678-HxCDF	36.494	0.981	1.15e6	2.22e6	1.345	0.518	0.510	3724	6188	1.62e7	3.09e7	4341.6	NO		98.661
13C-123789-HxCDF	37.623	1.012	1.03e6	1.96e6	1.183	0.525	0.510	3724	6188	1.51e7	2.91e7	4064.1	NO		99.189
13C-1234678-HpCDF	39.705	1.068	9.11e5	2.00e6	1.178	0.456	0.440	3269	5437	1.25e7	2.77e7	3833.3	NO		97.065
13C-1234789-HpCDF	42.446	1.141	7.13e5	1.57e6	0.878	0.455	0.440	3269	5437	8.39e6	1.88e7	2565.2	NO		102.063
13C-1234-TCDD	26.033	0.000	1.37e6	1.78e6	1.000	0.773	0.770	4660	2816	1.91e7	2.45e7	4092.0	NO		100.000
13C-2378-TCDD	26.840	1.031	1.34e6	1.73e6	0.908	0.771	0.770	4660	2816	1.84e7	2.39e7	3939.9	NO		107.342
13C-12378-PeCDD	31.966	1.228	1.68e6	1.06e6	0.756	1.587	1.550	2144	2345	2.38e7	1.50e7	11115.(	NO		114.666
13C-123478-HxCDD	36.625	0.985	1.50e6	1.18e6	1.056	1.275	1.240	3814	2411	2.14e7	1.67e7	5613.2	NO		99.540
13C-123678-HxCDD	36.757	0.988	1.63e6	1.29e6	1.163	1.267	1.240	3814	2411	2.30e7	1.83e7	6041.3	NO		98.664
13C-1234678-HpCDD	41.547	1.117	1.19e6	1.13e6	0.909	1.052	1.050	2959	3067	1.52e7	1.46e7	5142.2	NO		100.275
13C-OCDD	47.550	1.279	2.15e6	2.40e6	0.820	0.894	0.890	4073	4326	2.09e7	2.34e7	5134.0	NO		218.274

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:04 Pacific Daylight Time

CS6AA 05/30/16

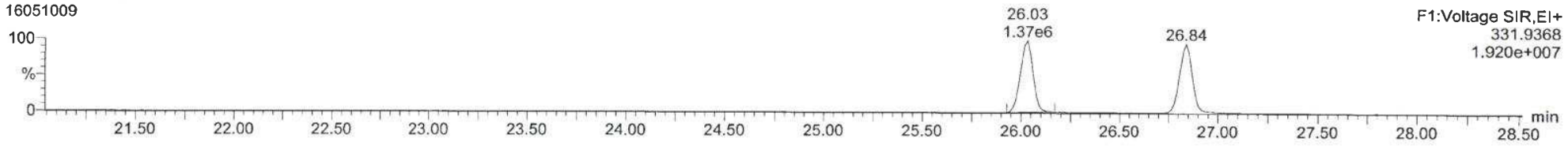
ID: ~~G65~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
13C-123789-HxCDD	37.184	0.000	1.41e6	1.13e6	1.000	1.246	1.240	3814	2411	2.01e7	1.62e7	5273.5	NO		100.000
Total-tetrafurans			4.43e6		0.935			3279		6.21e7					210.299
Total-penta1			0.00e0					1229		0.00e0					
Total-pentafurans			5.55e7		0.957			14139		7.98e8					2131.385
Total-hexafurans			8.74e7		1.125			7978		1.26e9					4115.379
Total-heptafurans			3.57e7		1.310			13198		4.74e8					2064.253
Total-Furans			2.09e8		1.114			3279		2.85e9					10614.734
Total-tetradioxins			3.21e6		1.134			1887		4.38e7					209.667
Total-pentadioxins			1.70e7		0.975			4731		2.43e8					1046.711
Total-hexadioxins			4.67e7		0.983			3956		6.67e8					3056.888
Total-heptadioxins			1.25e7		1.028			10198		1.66e8					1025.355
Total-Dioxins			1.01e8		1.028			1887		1.33e9					7187.267
Total-TEQ			3.11e8					1887		4.18e9					17802.000
37CL-2378-TCDD	26.855	1.032	7.52e6		1.067			2672		1.04e8		38914.4			223.753
FUNCTION1 PFK			4.07e6					1439234		6.56e7					
FUNCTION2 PFK			3.78e5					205260		8.03e6					0.000
FUNCTION3 PFK			1.07e6					838846		2.98e7					0.000
FUNCTION4 PFK			2.20e5					549429		8.04e6					
FUNCTION5 PFK			1.25e4					401130		6.64e5					
FUNCTION1 HXCDPE			3.82e2					587		7.05e3					0.000
FUNCTION1 HPCDPE			1.87e3					1160		3.77e4					0.000
FUNCTION2 HPCDPE			3.14e4					1324		4.91e5					0.000
FUNCTION3 OCDPE			1.69e2					533		2.76e3					0.000
FUNCTION4 NCDPE			7.52e1					759		2.16e3					0.000
FUNCTION5 DCDPE			0.00e0					410		0.00e0					

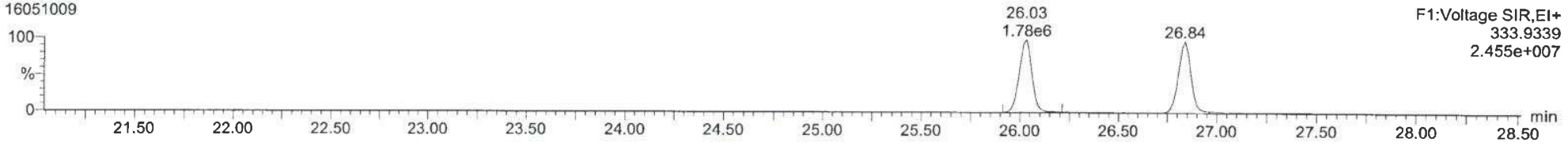
Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510IC.qld
Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:37:04 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.PRO\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40
CS6AA 06/30/16
ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

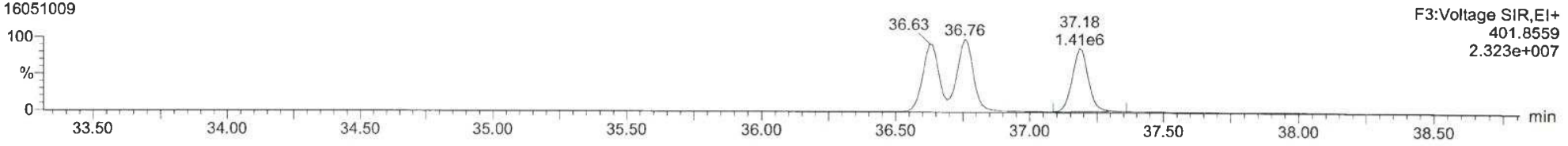
13C-1234-TCDD
16051009



13C-1234-TCDD
16051009



13C-123789-HxCDD
16051009



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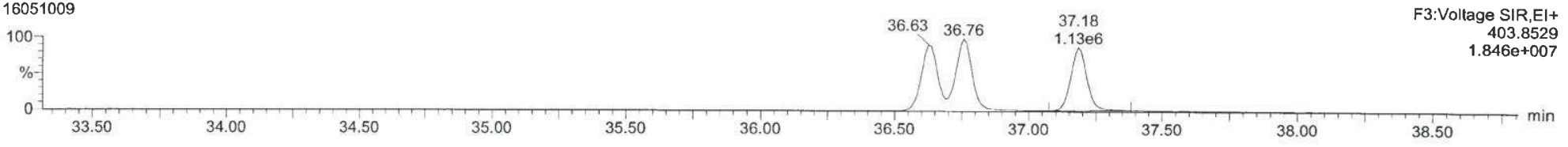
16051009



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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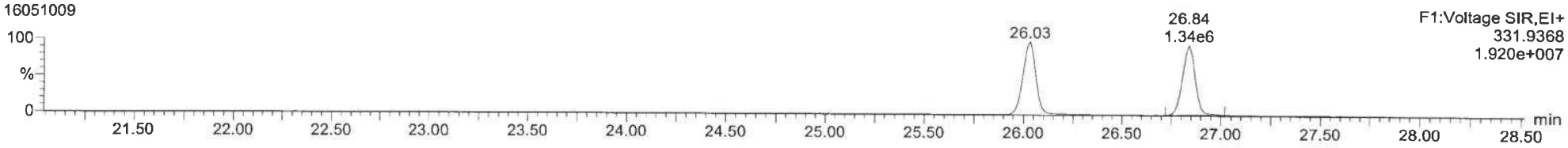
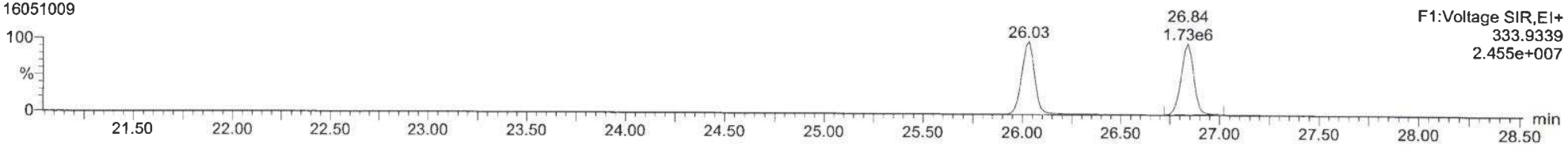
CSLAA 06/30/16

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

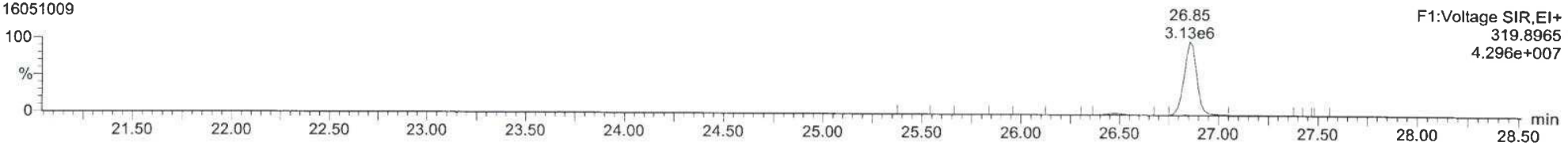
13C-2378-TCDD
16051009



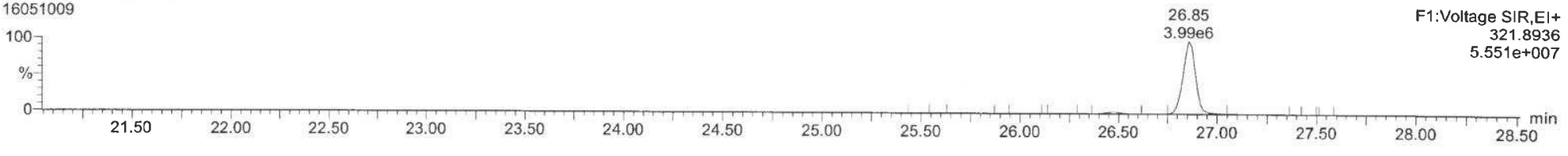
13C-2378-TCDD
16051009



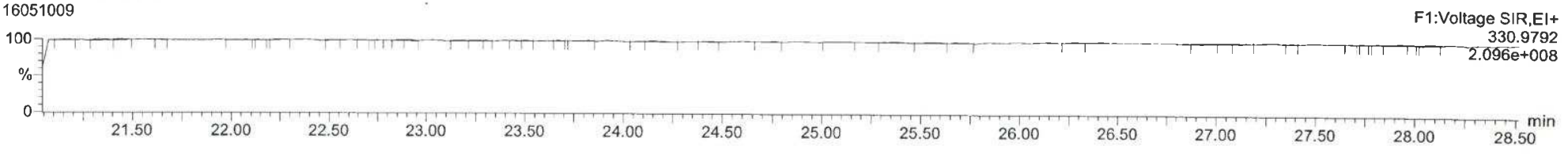
Total-tetradioxins
16051009



Total-tetradioxins
16051009



FUNCTION1 PFK
16051009



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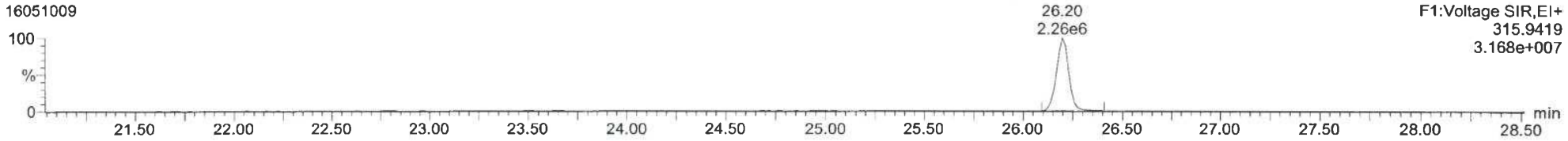
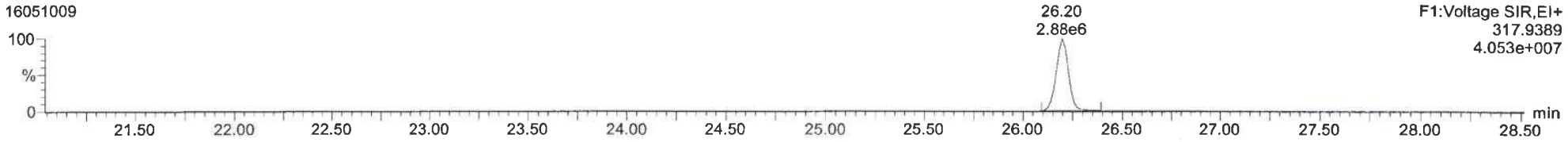
CSCAA 06/30/16

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

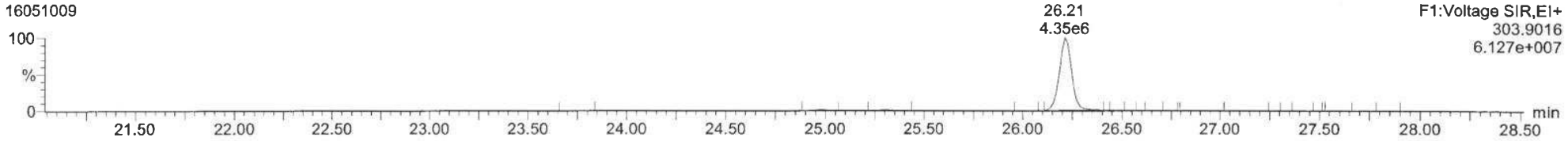
13C-2378-TCDF



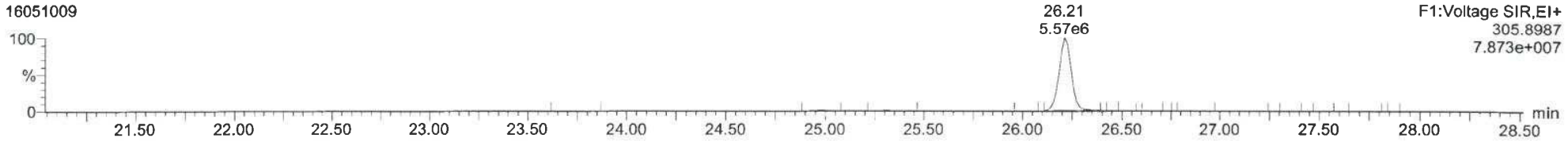
13C-2378-TCDF



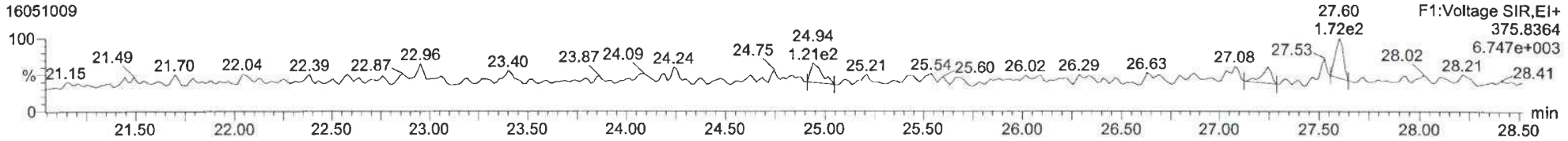
Total-tetrafurans



Total-tetrafurans



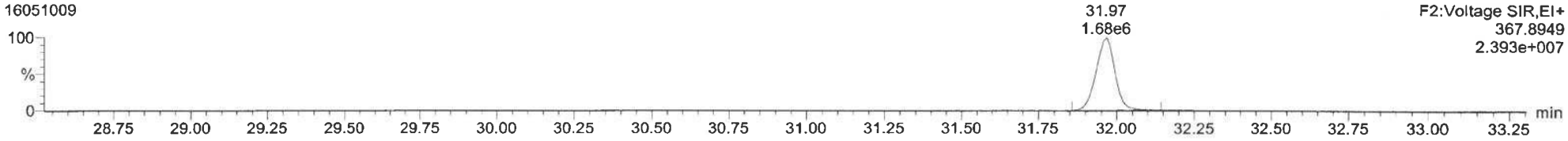
FUNCTION1 HXCDPE



CSVAA 06/30/16

ID: CS5, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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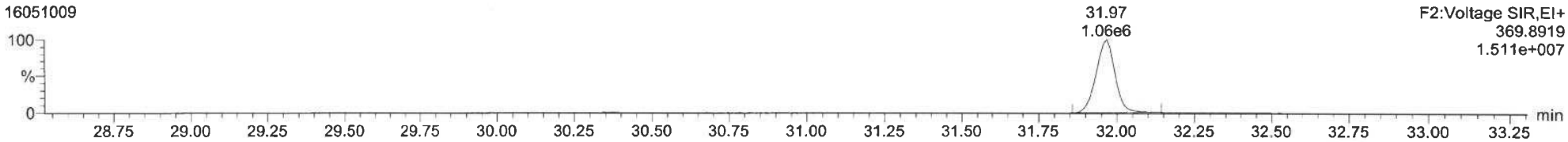
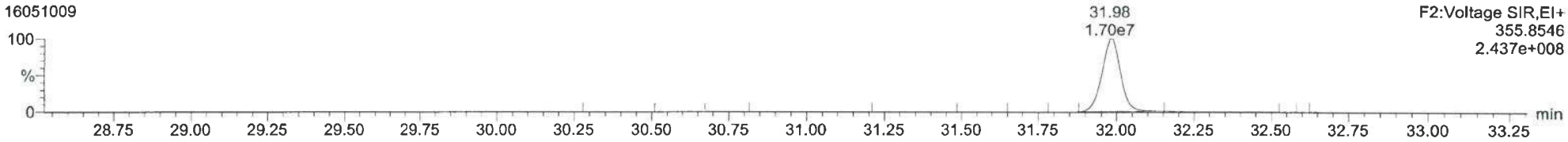
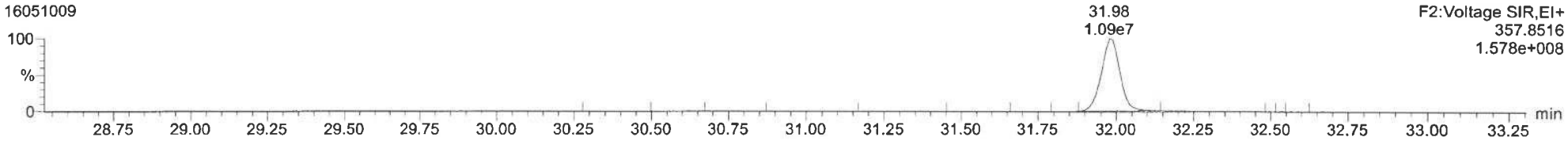


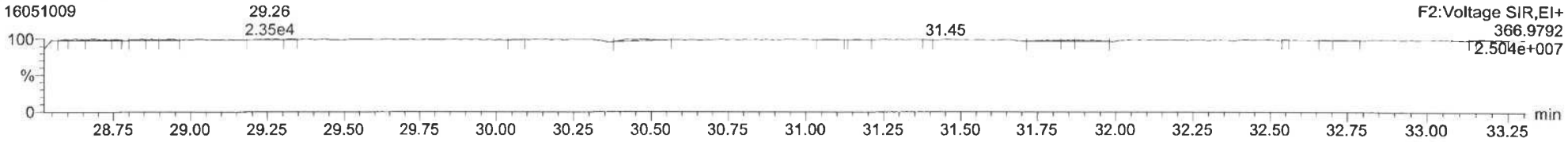
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK



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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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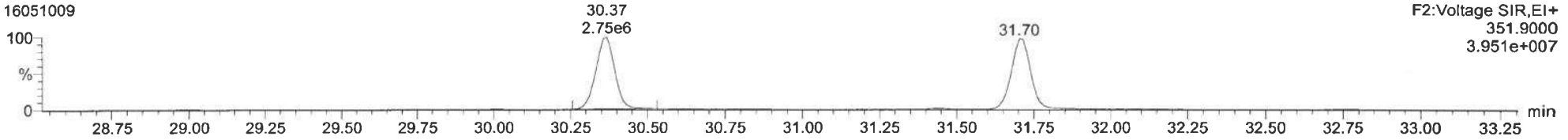
ID: CS5, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDF



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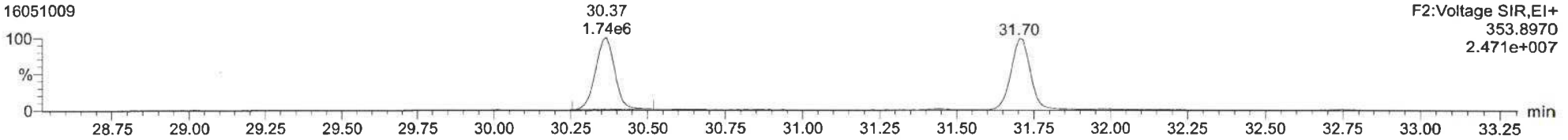
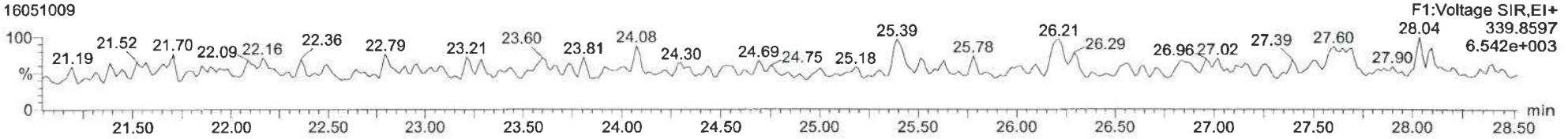
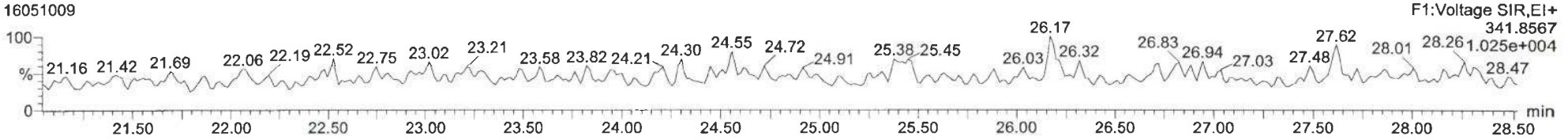


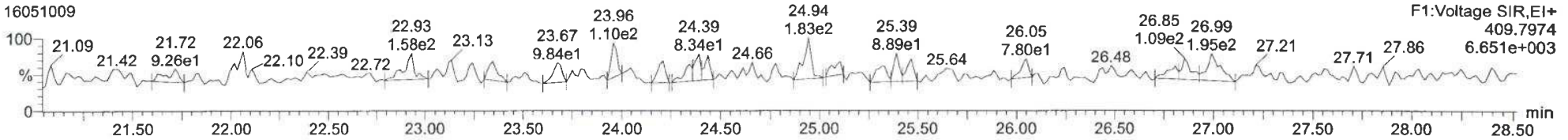
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



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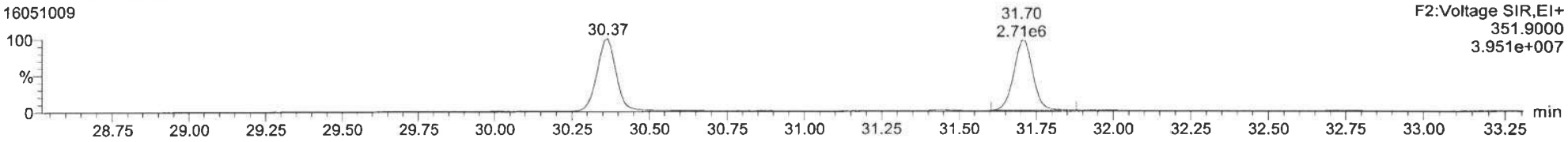
ID: CS5, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-23478-PeCDF



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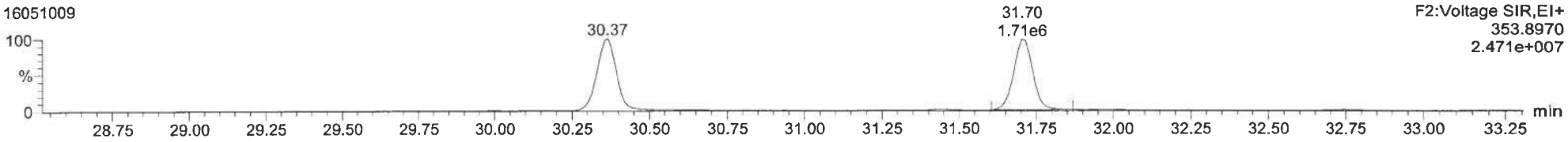
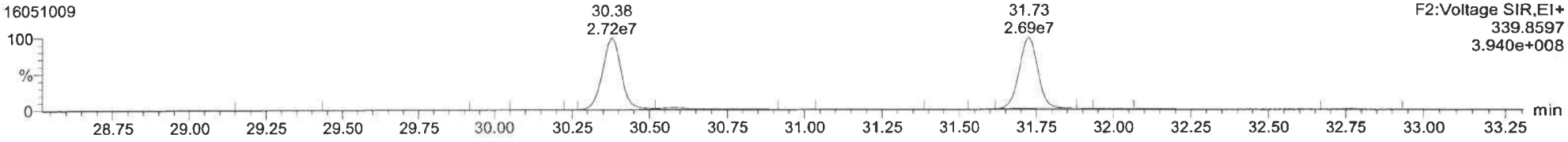
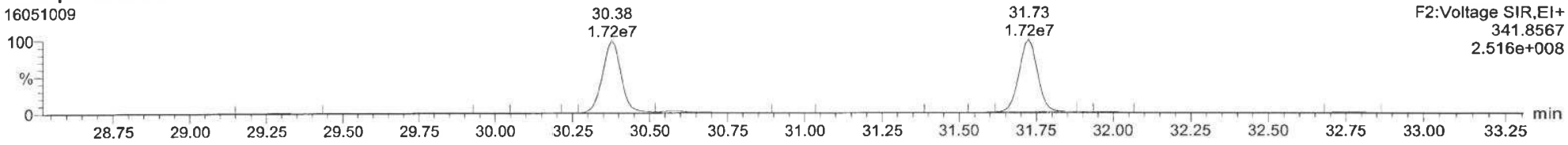


Total-pentafurans



Total-pentafurans



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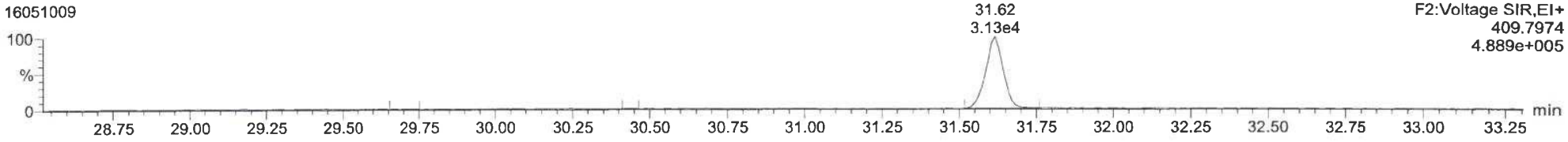

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13C-123478-HxCDD
16051009
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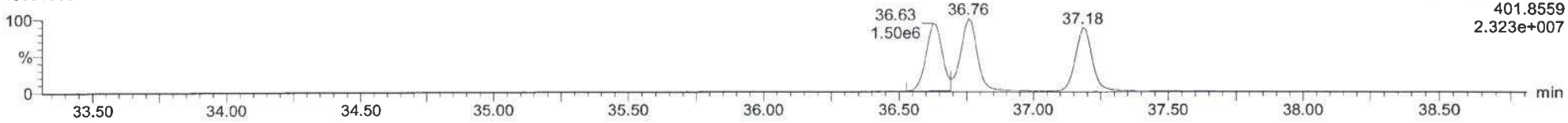
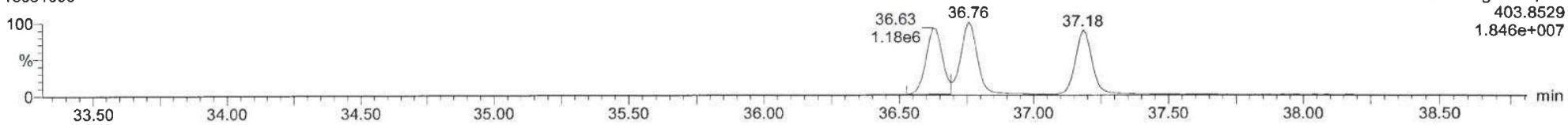
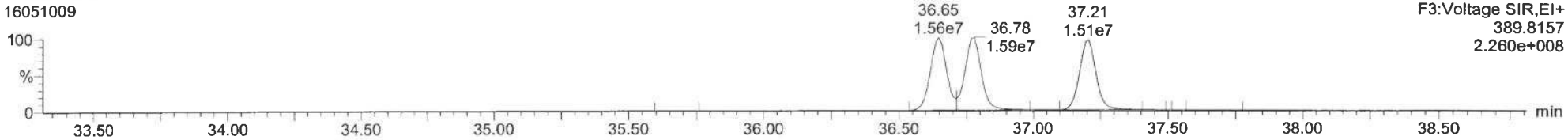
401.8559
2.323e+007



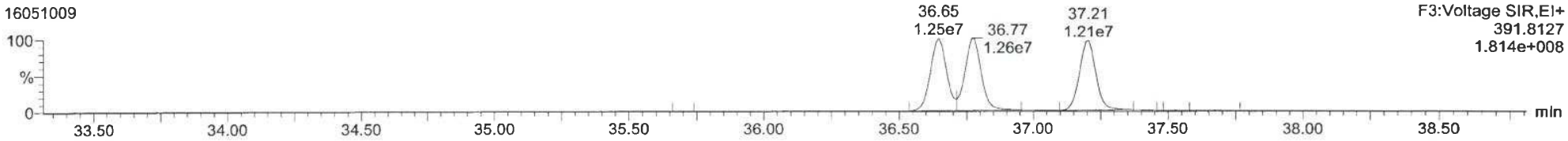
13C-123478-HxCDD
16051009
F3:Voltage SIR,EI+
403.8529
1.846e+007



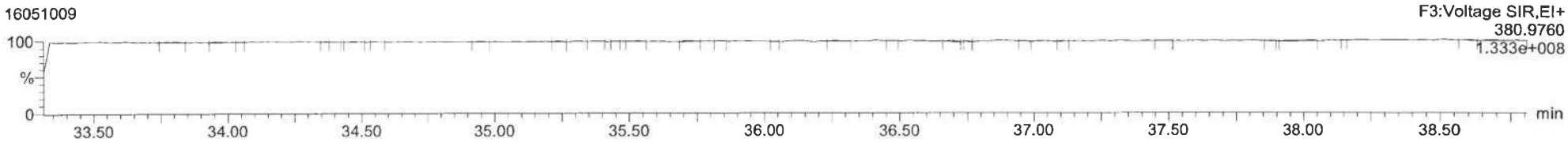
Total-hexadioxins
16051009
F3:Voltage SIR,EI+
389.8157
2.260e+008



Total-hexadioxins
16051009
F3:Voltage SIR,EI+
391.8127
1.814e+008



FUNCTION3 PFK
16051009
F3:Voltage SIR,EI+
380.9760
1.333e+008



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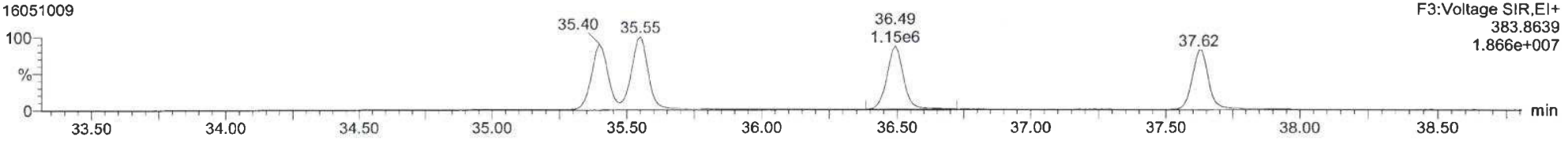
CSGAA 06/30/16

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-234678-HxCDF



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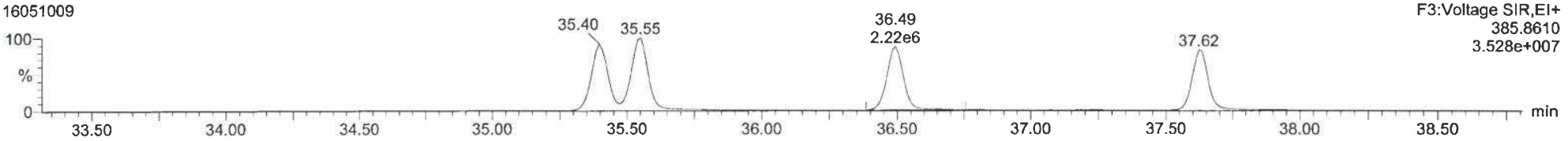
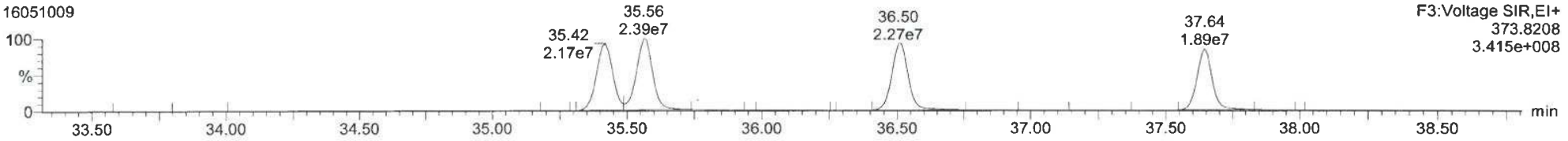
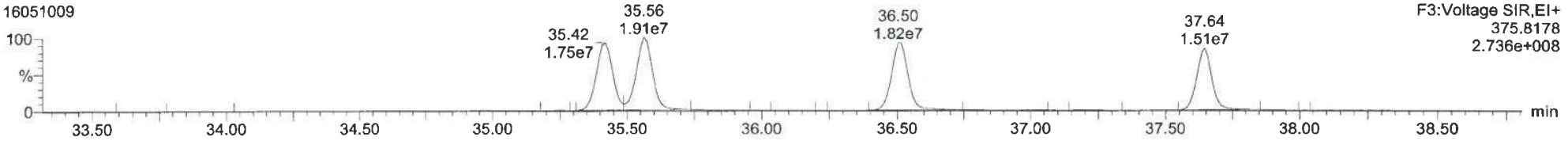


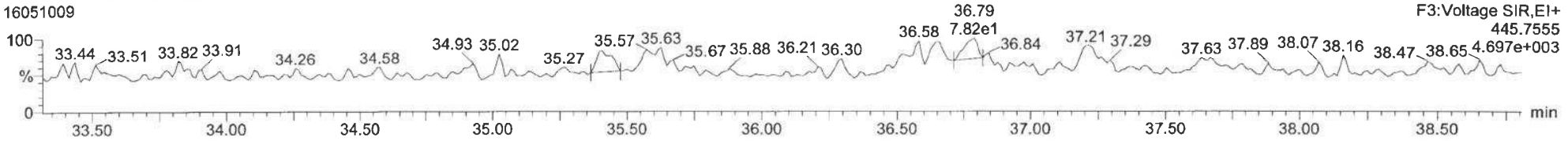
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE



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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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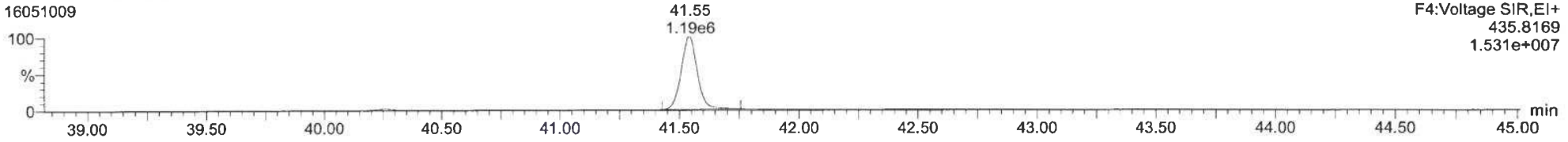
CS6AA 06/30/16 RD

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDD



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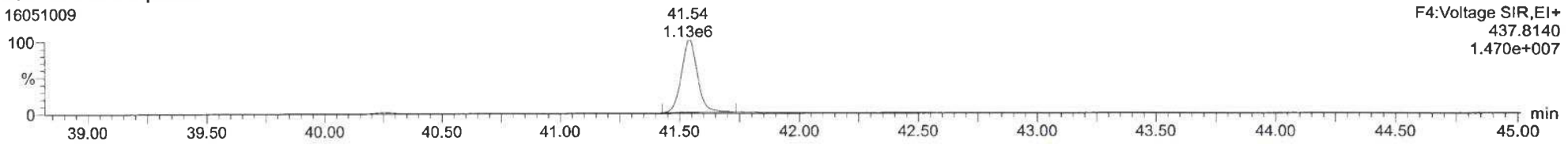
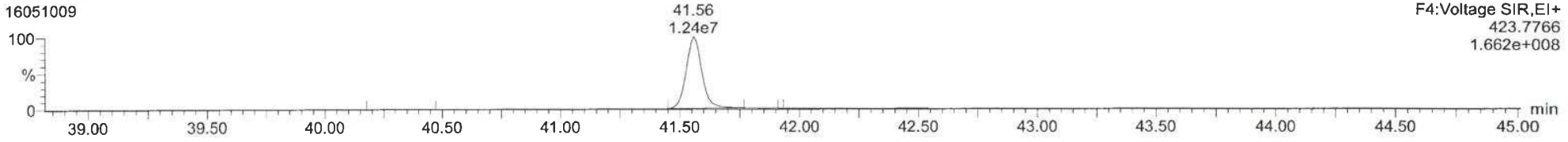
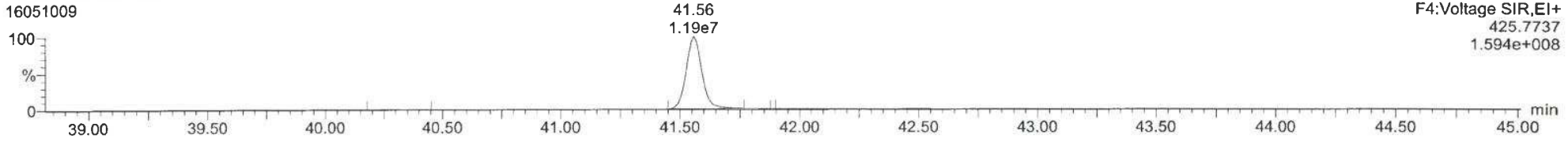


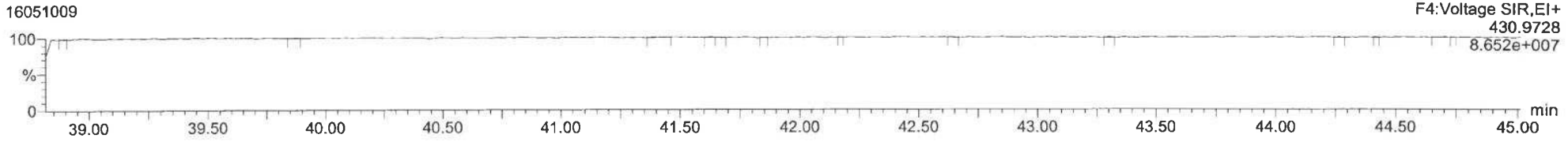
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



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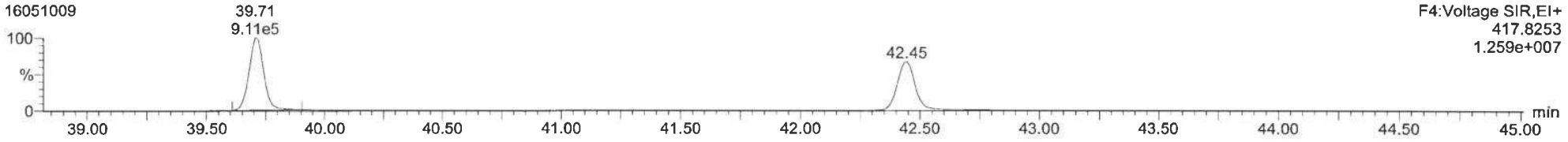
CS6AA 4/30/16

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDF



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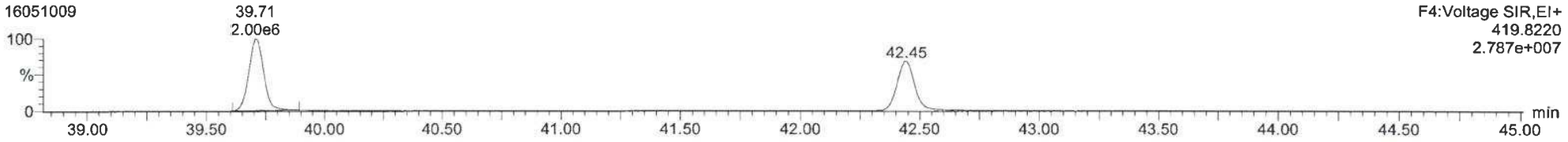
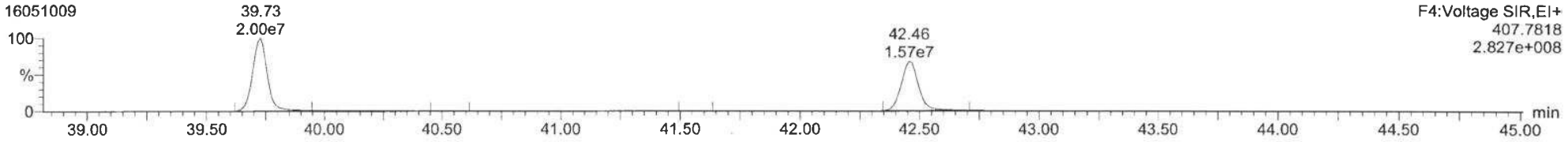
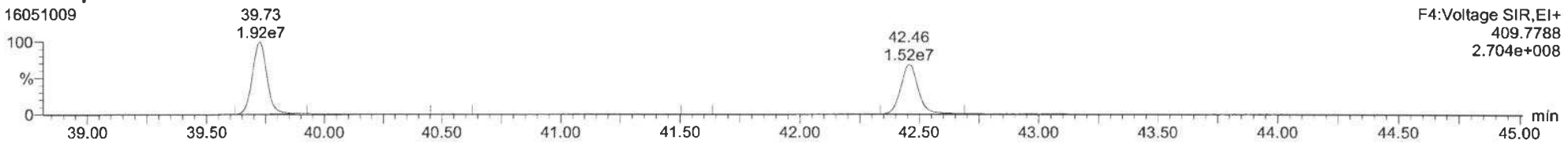


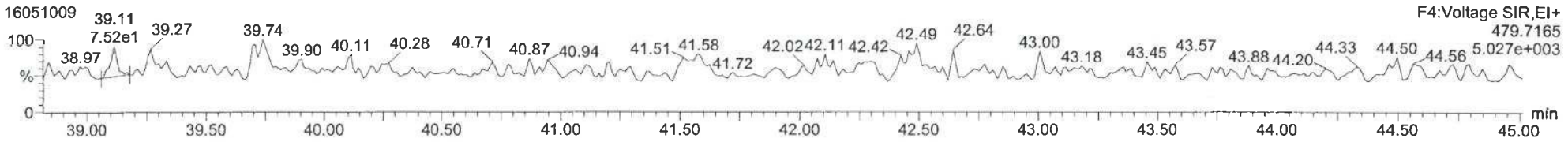
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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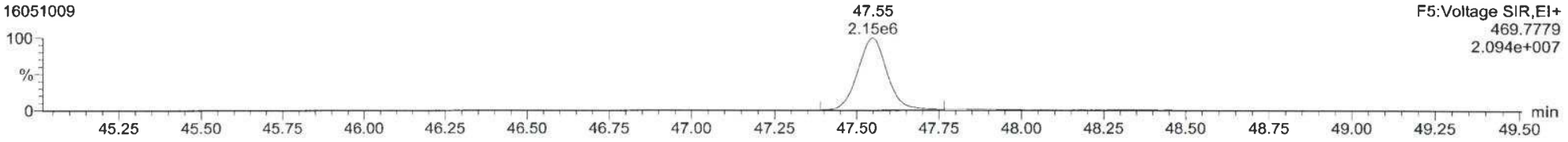
ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

13C-OCDD



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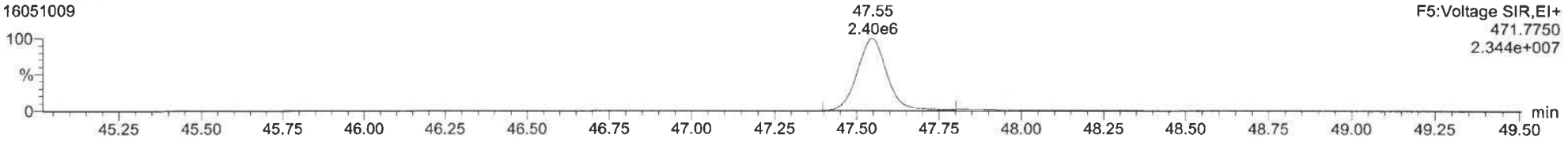
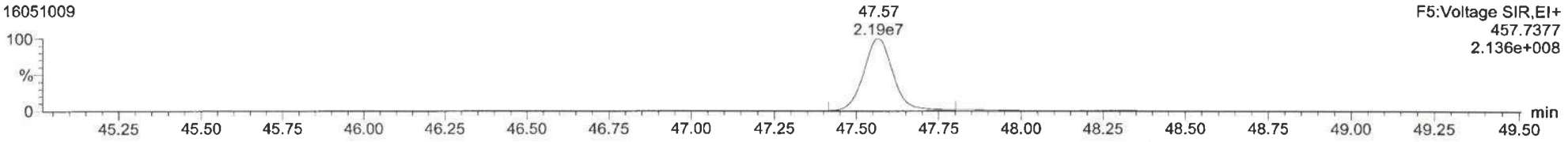
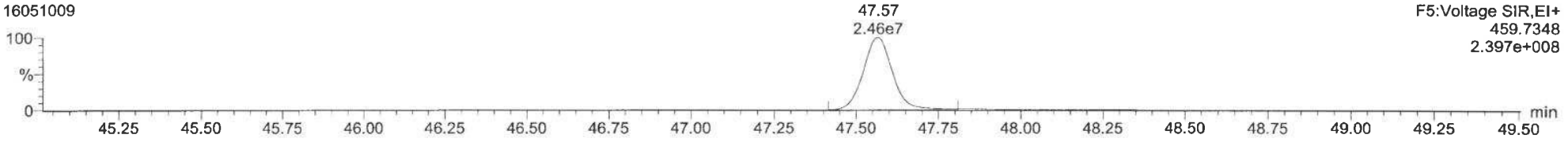


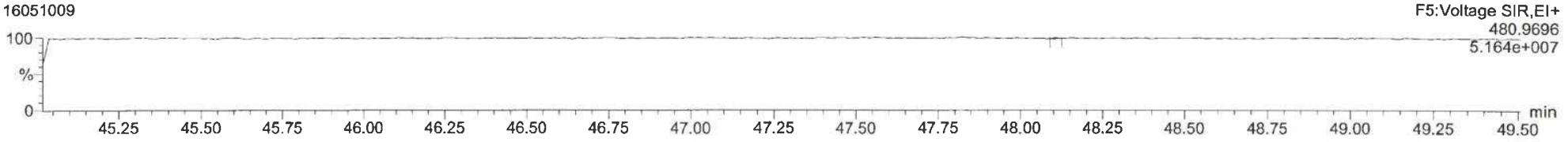
OCDD



OCDD



FUNCTION5 PFK



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Last Altered: Wednesday, May 11, 2016 09:28:40 Pacific Daylight Time
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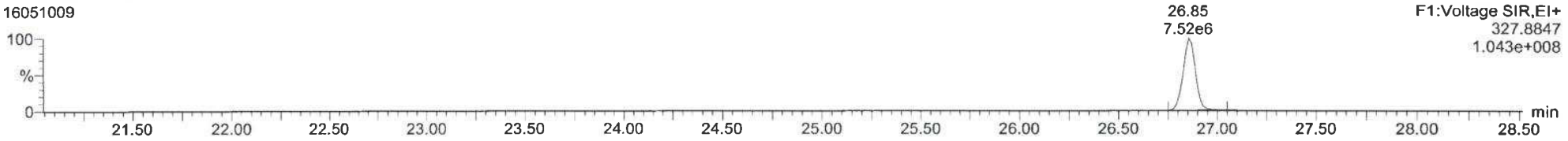
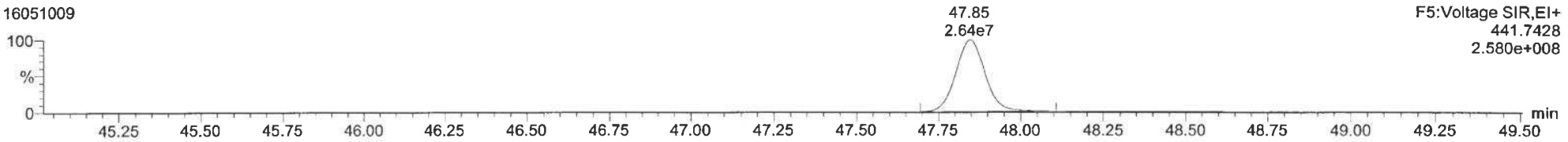
CS6AA 05/30/16

ID: ~~CS5~~, Name: 16051009, Date: 10-May-2016, Time: 18:09:09, Conditions: AUTOSPEC01, User: pk

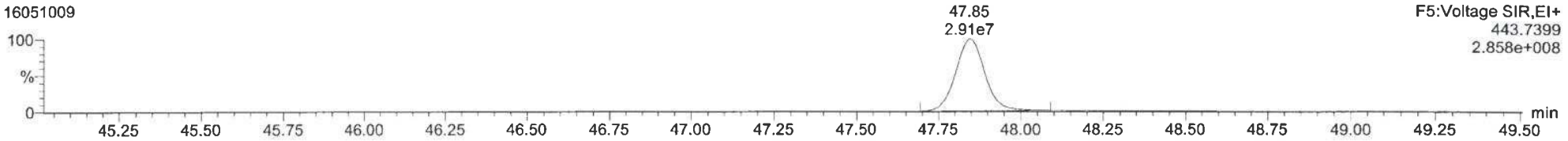
37CL-2378-TCDD



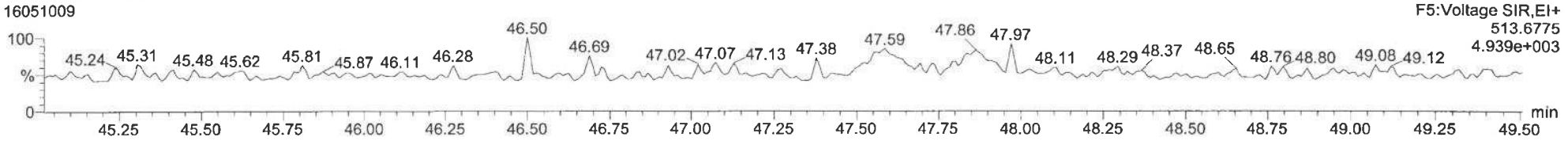
OCDF



OCDF



FUNCTION5 DCDPE



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510ICV.qld
Last Altered: Thursday, May 12, 2016 14:38:04 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:39:05 Pacific Daylight Time

Method: P:\DIOXIN8290.pro\MethDB\Dioxin1604143SN.mdb 14 Apr 2016 14:40:15
Calibration: P:\DIOXIN8290.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
2378-TCDF	26.213	1.001	1.81e5	2.29e5	0.935	0.791	0.770	1350	2309	2.39e6	3.06e6	1769.5	NO	10.142	10.142
12378-PeCDF	30.378	1.000	1.10e6	6.88e5	0.952	1.596	1.550	4659	4072	1.44e7	9.09e6	3090.8	NO	54.644	54.644
23478-PeCDF	31.726	1.000	1.00e6	6.26e5	0.963	1.599	1.550	4659	4072	1.36e7	8.78e6	2910.7	NO	51.287	51.287
123478-HxCDF	35.419	1.001	8.23e5	6.55e5	1.137	1.257	1.240	6492	5936	1.18e7	9.28e6	1810.8	NO	54.450	54.450
234678-HxCDF	36.516	1.001	7.88e5	6.38e5	1.164	1.235	1.240	6492	5936	1.07e7	8.56e6	1649.6	NO	49.624	49.624
123678-HxCDF	35.562	1.000	9.41e5	7.32e5	1.099	1.286	1.240	6492	5936	1.20e7	9.73e6	1845.4	NO	54.220	54.220
123789-HxCDF	37.645	1.001	6.83e5	5.41e5	1.101	1.263	1.240	6492	5936	9.25e6	7.48e6	1424.6	NO	54.675	54.675
1234678-HpCDF	39.727	1.001	6.83e5	6.61e5	1.303	1.033	1.050	4432	5355	9.32e6	9.01e6	2103.2	NO	53.628	53.628
1234789-HpCDF	42.456	1.000	4.99e5	4.85e5	1.317	1.029	1.050	4432	5355	5.63e6	5.43e6	1269.8	NO	50.155	50.155
OCDF	47.837	1.006	8.03e5	8.66e5	1.166	0.928	0.890	2816	3708	7.21e6	7.81e6	2561.4	NO	115.799	115.799
2378-TCDD	26.855	1.001	1.35e5	1.72e5	1.134	0.782	0.770	1548	1493	1.76e6	2.23e6	1138.5	NO	9.199	9.199
12378-PeCDD	31.989	1.001	6.76e5	4.37e5	0.975	1.547	1.550	2037	1423	9.17e6	5.86e6	4502.9	NO	51.541	51.541
123478-HxCDD	36.647	1.000	5.48e5	4.34e5	1.031	1.262	1.240	2099	3603	7.81e6	6.25e6	3723.0	NO	52.204	52.204
123678-HxCDD	36.779	1.001	5.61e5	4.53e5	0.971	1.240	1.240	2099	3603	7.41e6	5.97e6	3530.7	NO	54.495	54.495
123789-HxCDD	37.206	1.012	5.73e5	4.53e5	0.947	1.265	1.240	2099	3603	7.53e6	6.02e6	3586.9	NO	57.915	57.915
1234678-HpCDD	41.558	1.000	4.39e5	4.25e5	1.028	1.035	1.050	3359	1973	5.28e6	5.13e6	1571.7	NO	51.725	51.725
OCDD	47.558	1.000	6.64e5	7.38e5	1.107	0.899	0.890	3202	2490	6.10e6	6.91e6	1904.9	NO	102.495	102.495
13C-2378-TCDF	26.198	1.006	1.91e6	2.42e6	1.567	0.791	0.770	9096	4889	2.55e7	3.23e7	2802.7	NO		88.412
13C-12378-PeCDF	30.367	1.166	2.11e6	1.33e6	1.274	1.585	1.550	4879	5540	2.76e7	1.74e7	5651.9	NO		86.248
13C-23478-PeCDF	31.715	1.218	2.01e6	1.28e6	1.235	1.572	1.550	4879	5540	2.71e7	1.72e7	5552.7	NO		85.315
13C-123478-HxCDF	35.398	0.952	8.19e5	1.57e6	1.381	0.522	0.510	5850	9212	1.15e7	2.22e7	1966.1	NO		90.722
13C-123678-HxCDF	35.551	0.956	9.62e5	1.85e6	1.569	0.521	0.510	5850	9212	1.28e7	2.45e7	2184.0	NO		93.830
13C-234678-HxCDF	36.494	0.981	8.61e5	1.61e6	1.345	0.535	0.510	5850	9212	1.18e7	2.17e7	2015.7	NO		96.270
13C-123789-HxCDF	37.623	1.012	7.06e5	1.33e6	1.183	0.531	0.510	5850	9212	9.64e6	1.83e7	1647.2	NO		90.193
13C-1234678-HpCDF	39.705	1.068	5.95e5	1.33e6	1.178	0.447	0.440	4153	5723	8.02e6	1.75e7	1930.0	NO		85.635
13C-1234789-HpCDF	42.445	1.141	4.57e5	1.03e6	0.878	0.443	0.440	4153	5723	5.21e6	1.17e7	1254.0	NO		88.974
13C-1234-TCDD	26.034	0.000	1.38e6	1.75e6	1.000	0.786	0.770	4051	3612	1.92e7	2.42e7	4727.7	NO		100.000
13C-2378-TCDD	26.840	1.031	1.31e6	1.64e6	0.908	0.796	0.770	4051	3612	1.74e7	2.22e7	4298.9	NO		103.822
13C-12378-PeCDD	31.967	1.228	1.35e6	8.62e5	0.756	1.569	1.550	2512	2723	1.86e7	1.18e7	7402.4	NO		93.738
13C-123478-HxCDD	36.636	0.985	1.02e6	8.06e5	1.056	1.264	1.240	5495	3465	1.43e7	1.12e7	2609.7	NO		90.649
13C-123678-HxCDD	36.757	0.989	1.07e6	8.47e5	1.163	1.261	1.240	5495	3465	1.39e7	1.11e7	2533.8	NO		86.349
13C-1234678-HpCDD	41.547	1.117	8.39e5	7.86e5	0.909	1.067	1.050	3089	3609	1.00e7	9.44e6	3241.4	NO		93.716
13C-OCDD	47.541	1.279	1.19e6	1.28e6	0.820	0.927	0.890	6012	3088	1.08e7	1.18e7	1789.8	NO		158.151

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: P:\DIOXIN8290.PRO\160510ICV.qld
Last Altered: Thursday, May 12, 2016 14:38:04 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:39:05 Pacific Daylight Time

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	EMPC	pg
13C-123789-HxCDD	37.184	0.000	1.06e6	8.48e5	1.000	1.249	1.240	5495	3465	1.45e7	1.14e7	2637.8	NO		100.000
Total-tetrafurans			1.83e5		0.935			1350		2.40e6					10.223
Total-penta1			0.00e0					1239		0.00e0					
Total-pentafurans			2.14e6		0.957			4659		2.85e7					107.913
Total-hexafurans			3.24e6		1.125			6492		4.38e7					213.320
Total-heptafurans			1.18e6		1.310			4432		1.50e7					103.878
Total-Furans			7.55e6		1.114			1350		9.69e7					551.134
Total-tetradioxins			1.35e5		1.134			1548		1.77e6					9.223
Total-pentadioxins			6.84e5		0.975			2037		9.31e6					52.165
Total-hexadioxins			1.69e6		0.983			2099		2.29e7					165.083
Total-heptadioxins			4.46e5		1.028			3359		5.36e6					52.733
Total-Dioxins			3.62e6		1.028			1548		4.54e7					381.699
Total-TEQ			1.12e7					1548		1.42e8					932.833
37CL-2378-TCDD	26.855	1.032	3.09e5		1.067			2113		4.07e6		1926.7			9.280
FUNCTION1 PFK			1.65e5					1523893		5.17e6					
FUNCTION2 PFK			1.81e5					185433		5.06e6					0.000
FUNCTION3 PFK			7.35e5					903414		1.51e7					0.000
FUNCTION4 PFK			2.04e5					510809		6.66e6					
FUNCTION5 PFK			3.02e5					385831		1.10e7					
FUNCTION1 HXCDPE			5.14e2					654		9.38e3					0.000
FUNCTION1 HPCDPE			1.65e3					1192		3.32e4					0.000
FUNCTION2 HPCDPE			7.56e2					954		1.91e4					0.000
FUNCTION3 OCDPE			0.00e0					722		0.00e0					
FUNCTION4 NCDPE			1.91e2					867		5.31e3					0.000
FUNCTION5 DCDPE			0.00e0					432		0.00e0					

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Last Altered: Thursday, May 12, 2016 14:38:04 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:39:05 Pacific Daylight Time

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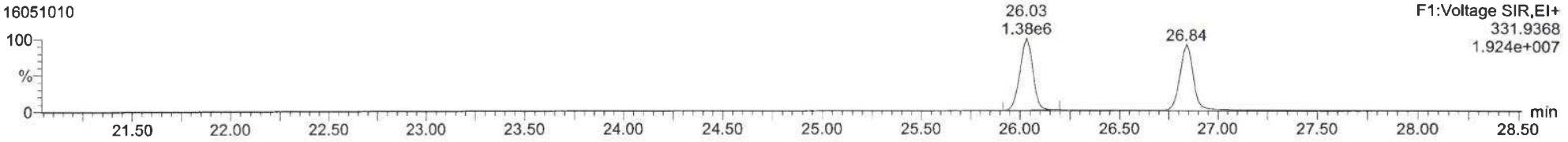
Calibration: P:\DIOXIN8290.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD



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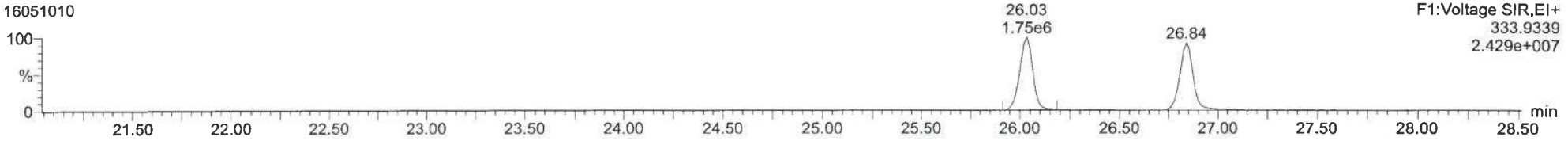

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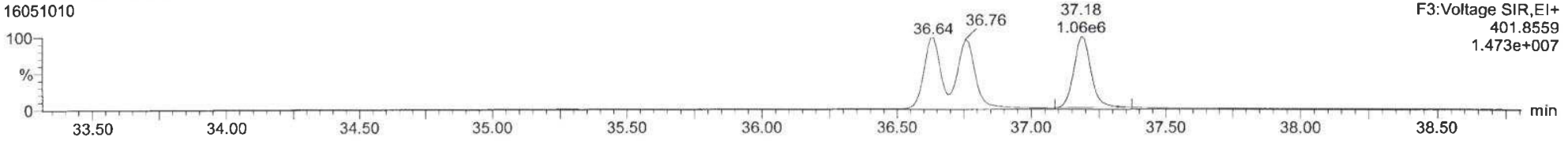

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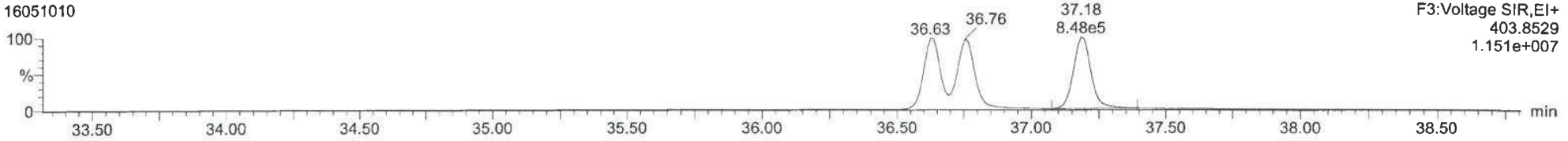

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

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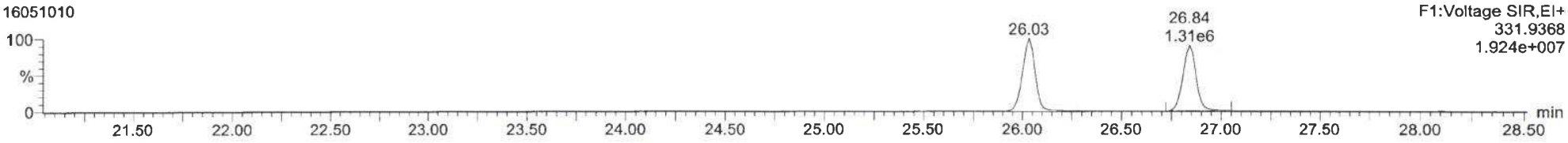

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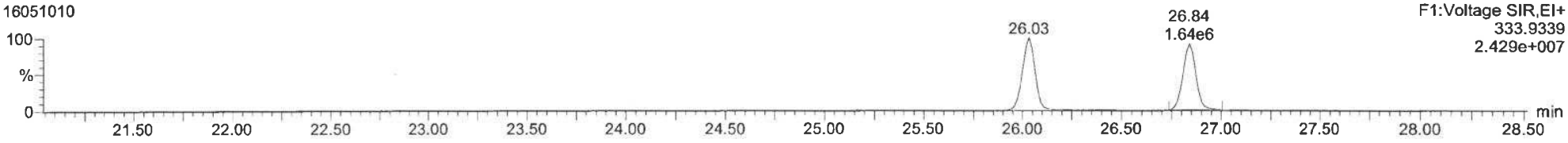

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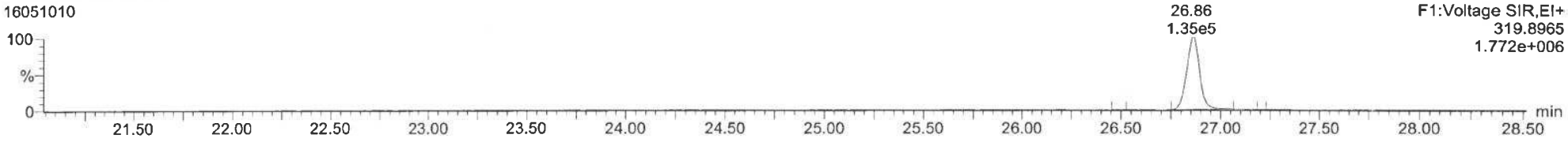
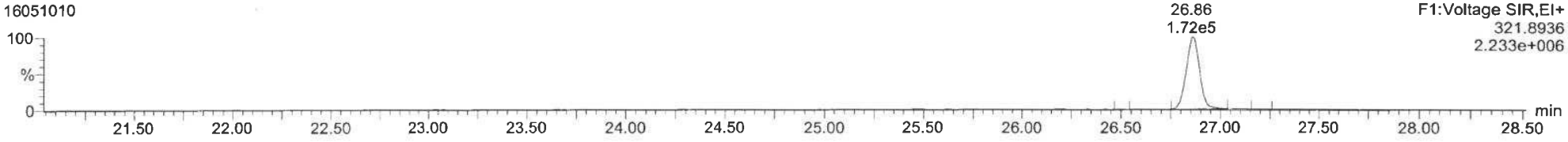
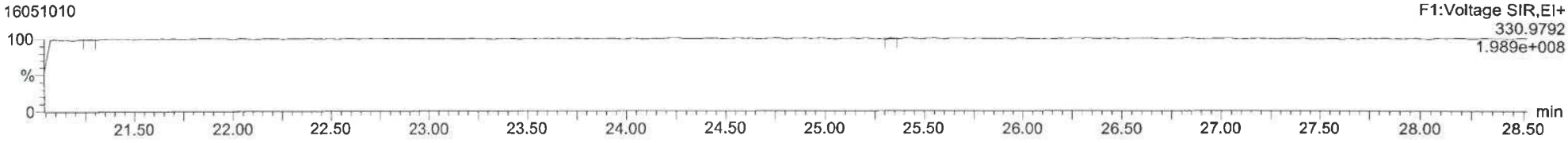


Total-tetradioxins



FUNCTION1 PFK



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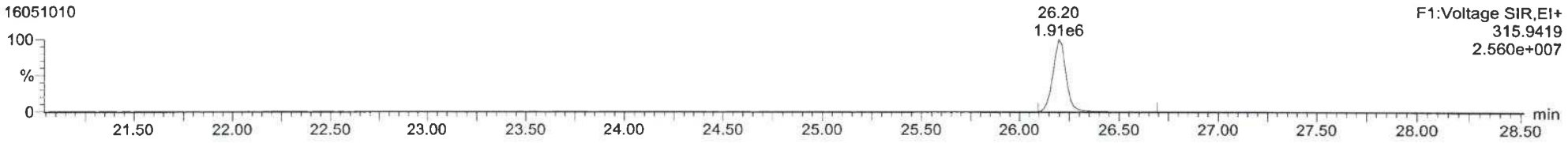
Printed: Thursday, May 12, 2016 14:39:05 Pacific Daylight Time

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDF



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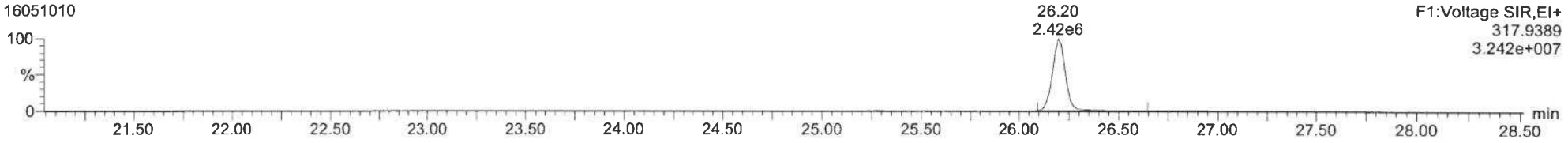
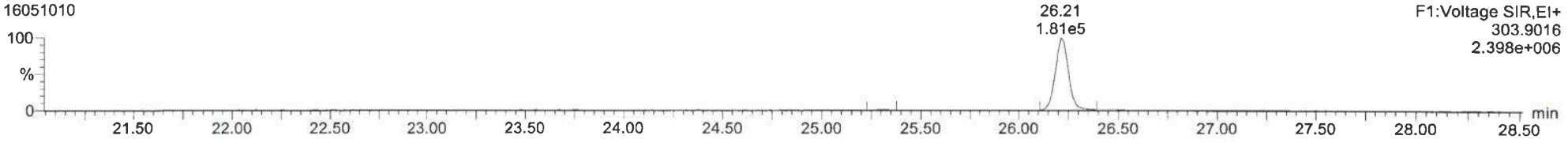
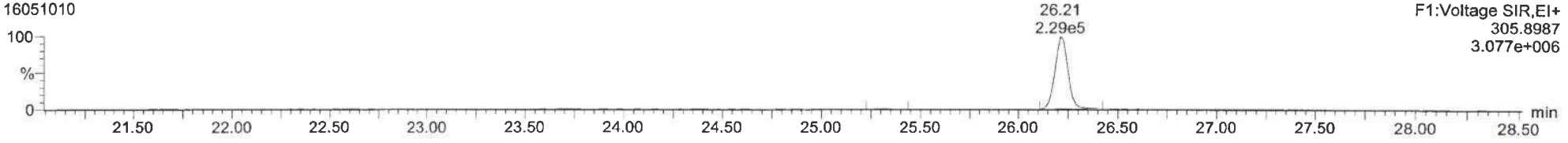


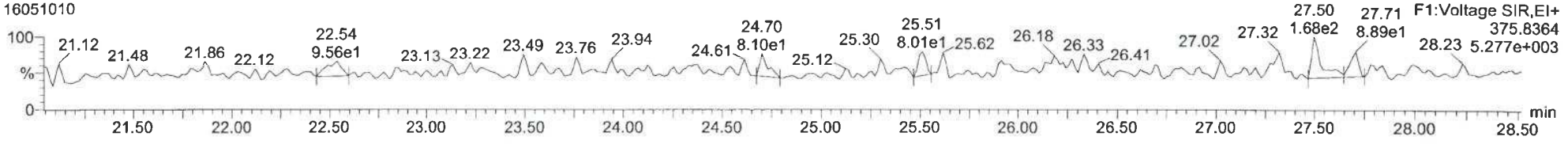
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE



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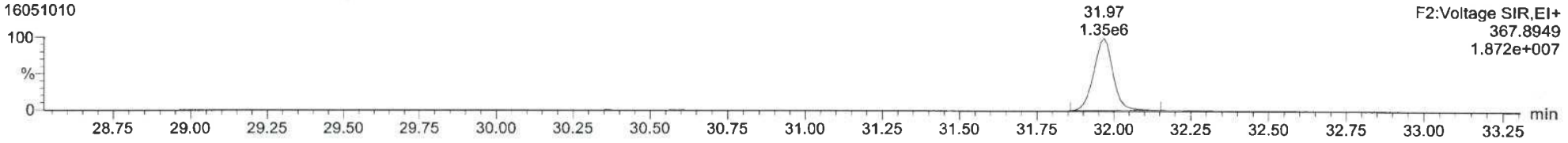
ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

13C-12378-PeCDD



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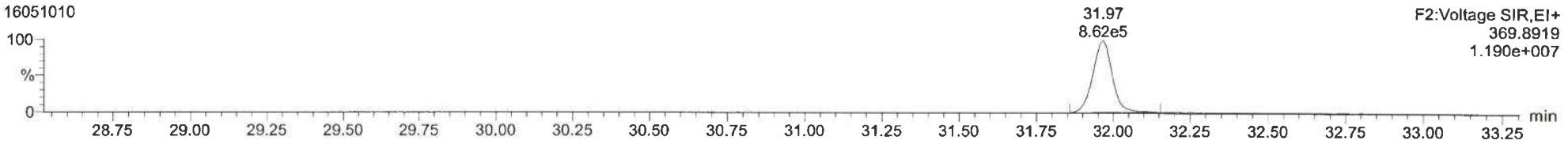

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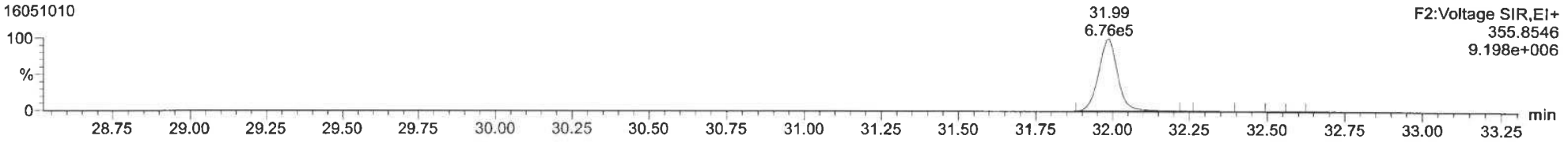
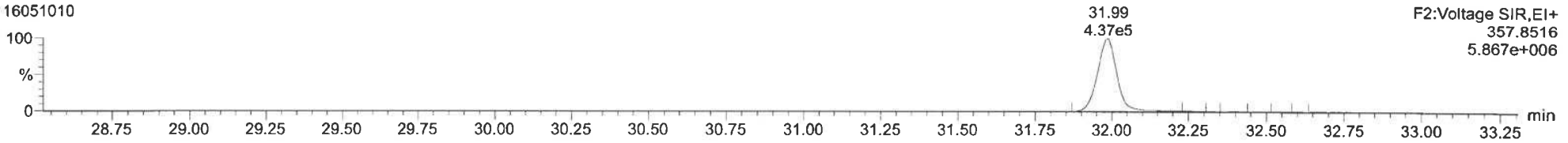
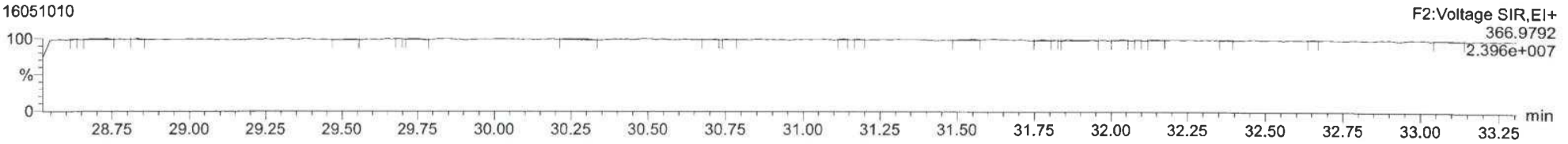


Total-pentadioxins



FUNCTION2 PFK



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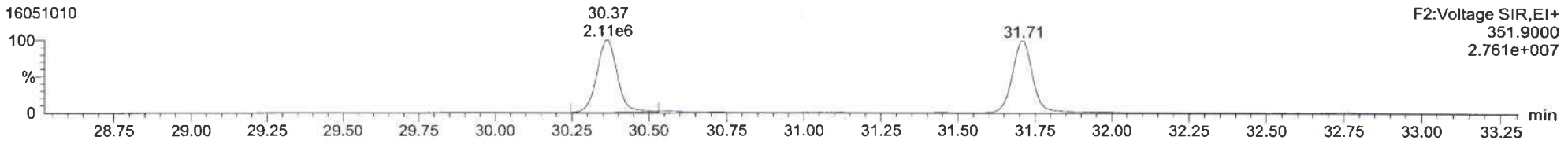

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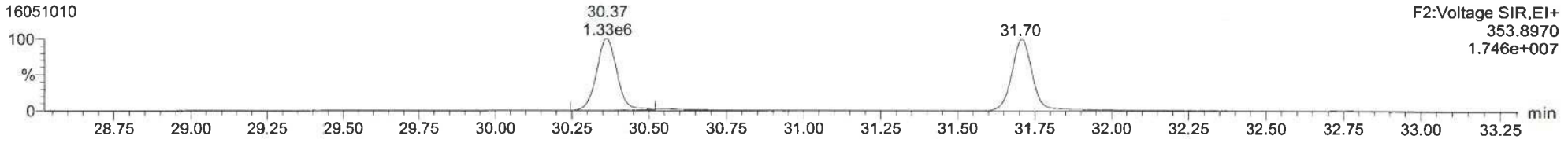
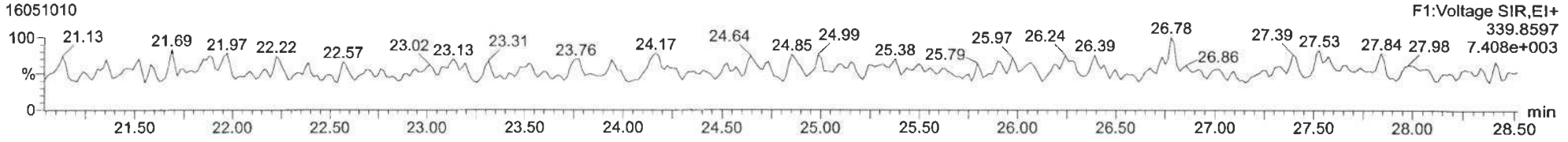


Total-penta1



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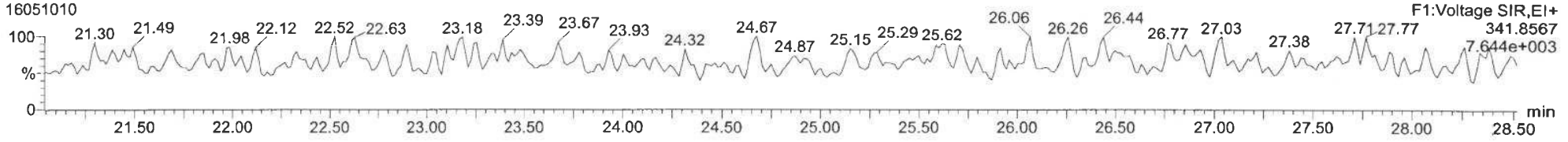
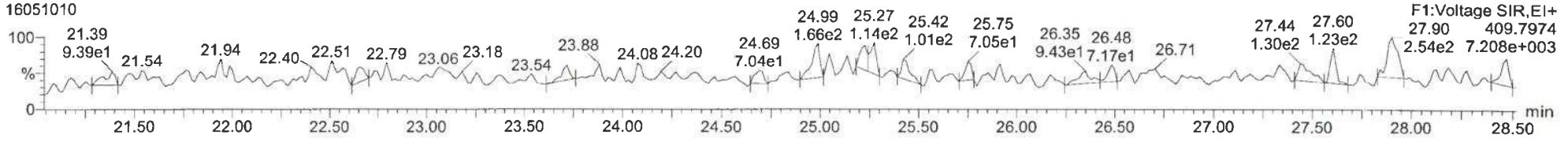


FUNCTION1 HPCDPE



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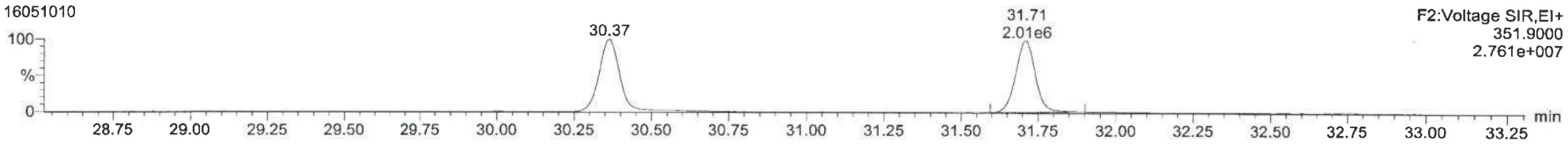
13C-23478-PeCDF



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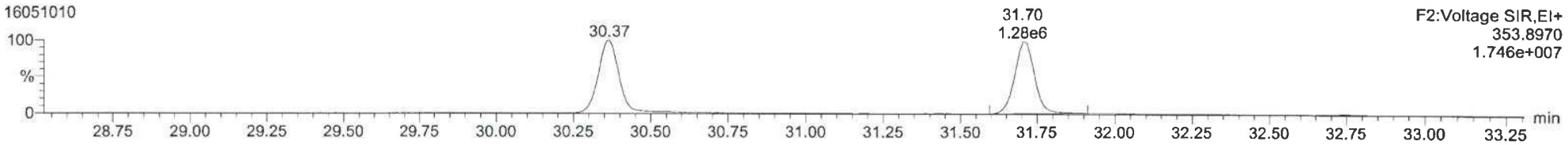

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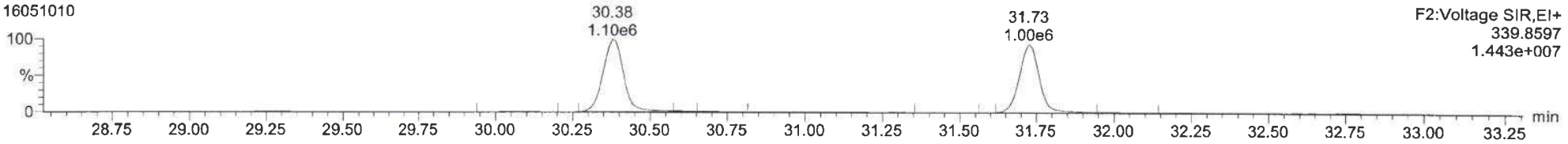

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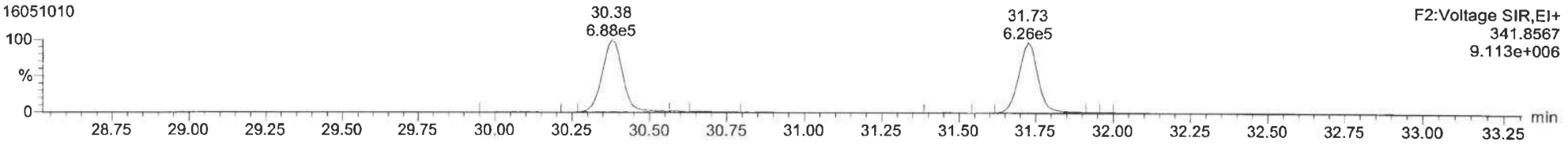
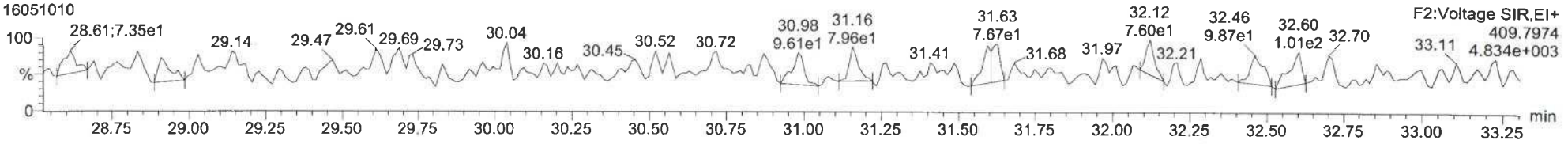


FUNCTION2 HPCDPE



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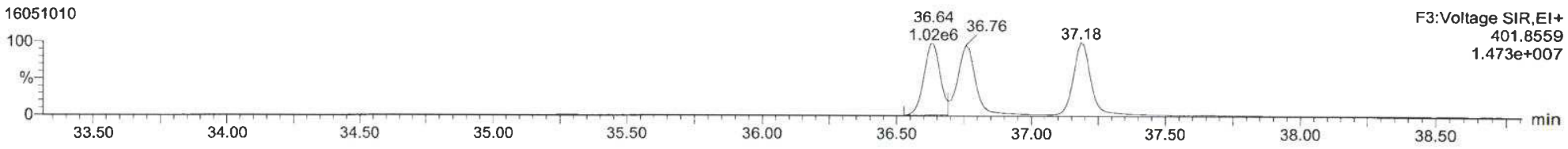
13C-123478-HxCDD



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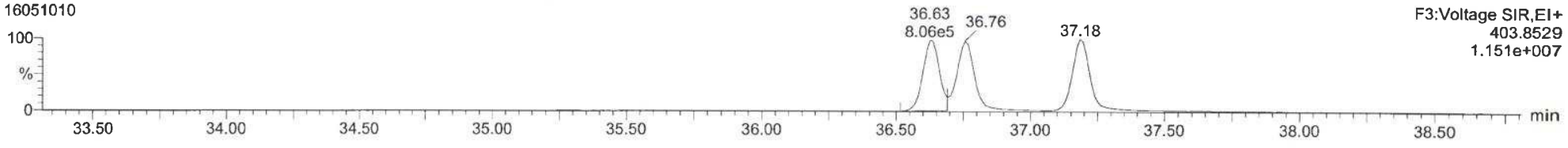
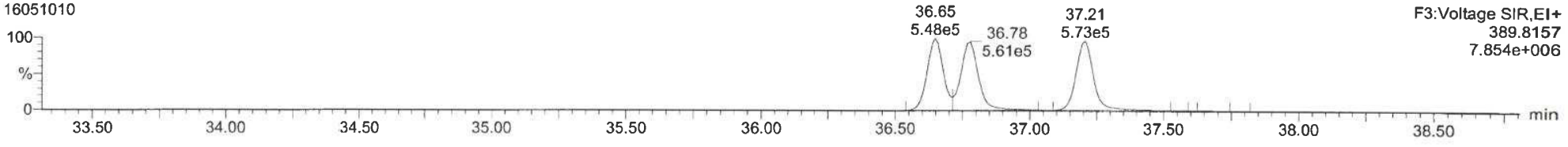
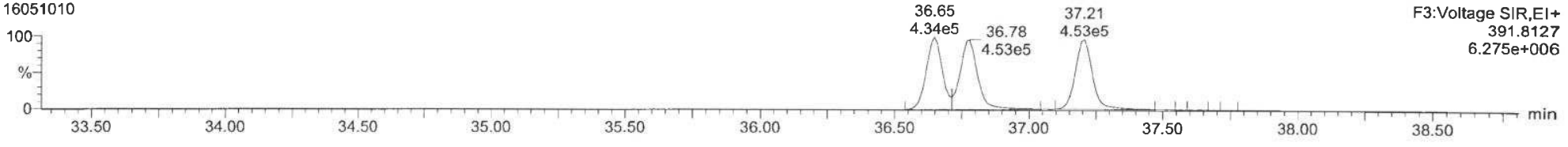


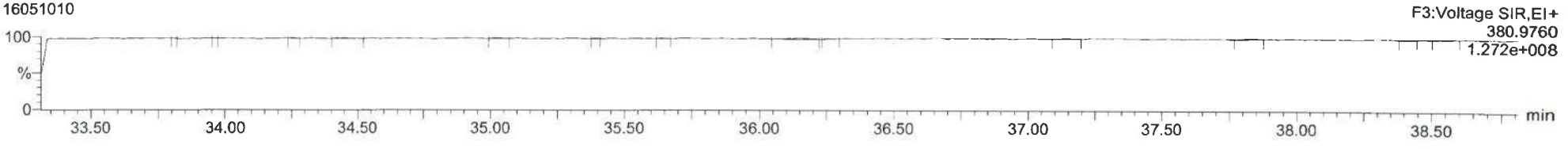
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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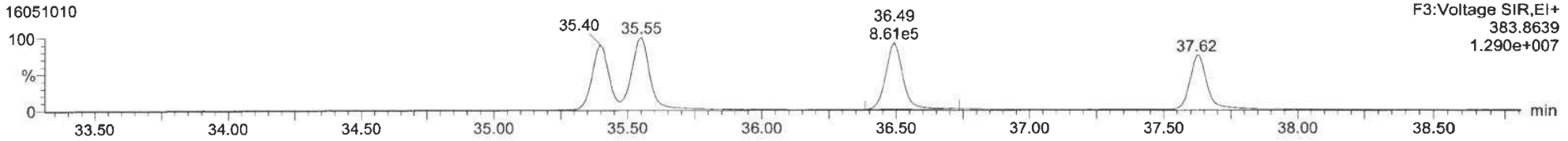
13C-234678-HxCDF



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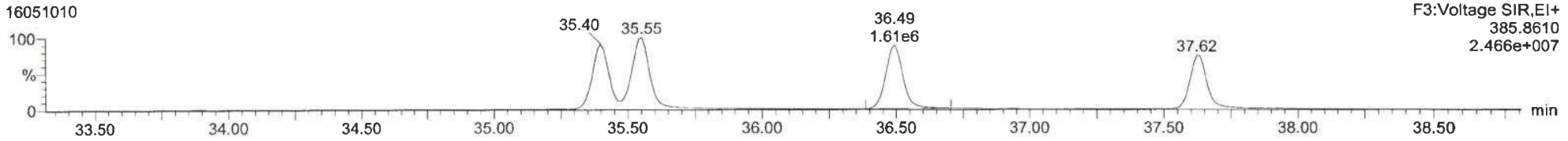
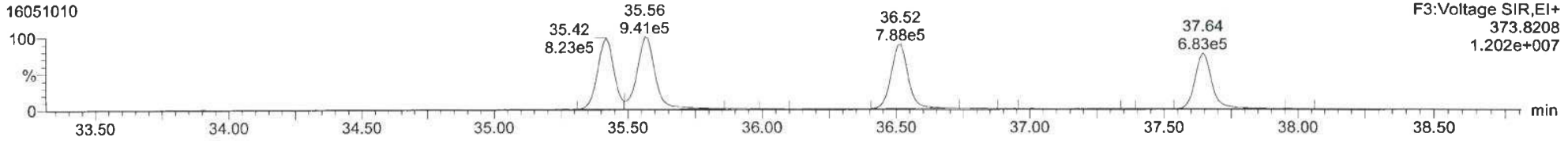


Total-hexafurans



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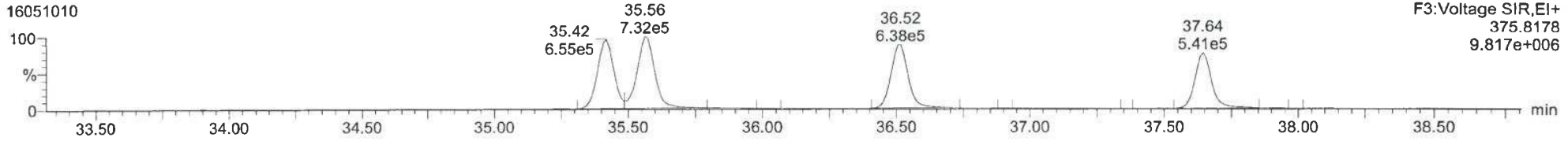
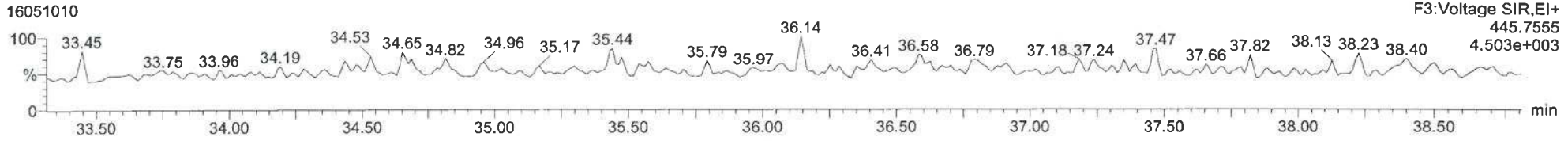


FUNCTION3 OCDPE



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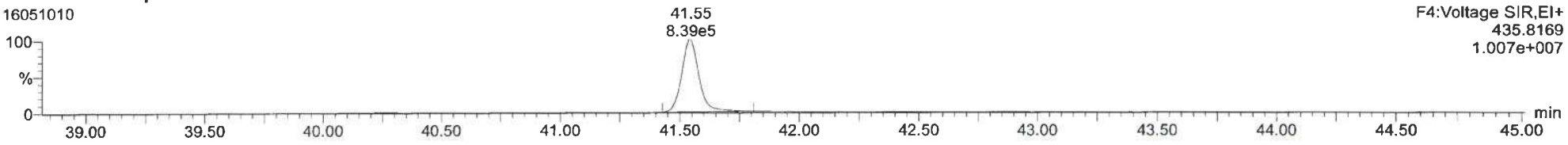
13C-1234678-HpCDD



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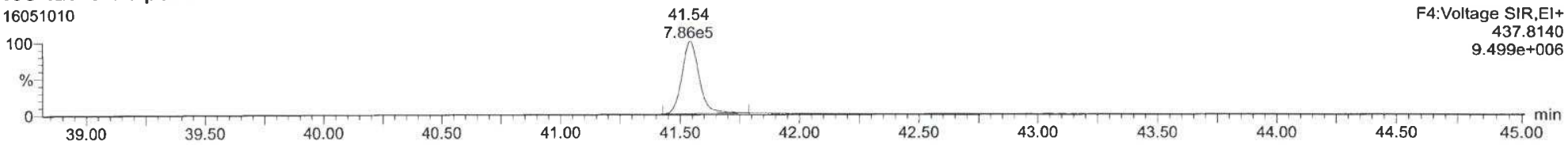
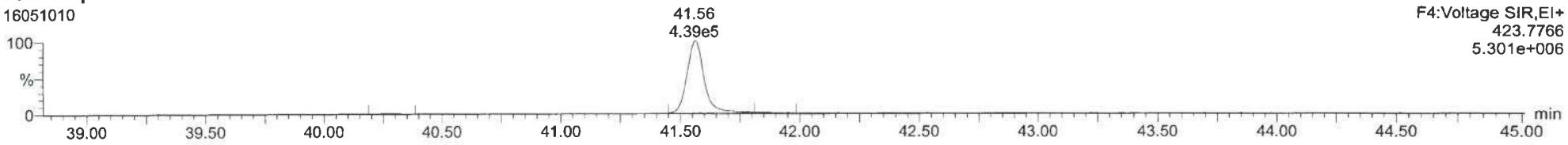


Total-heptadioxins



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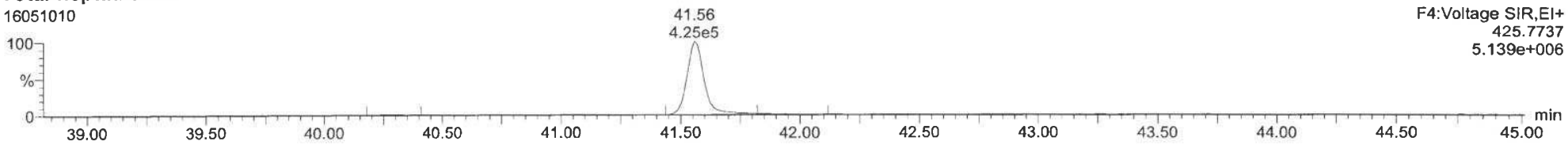
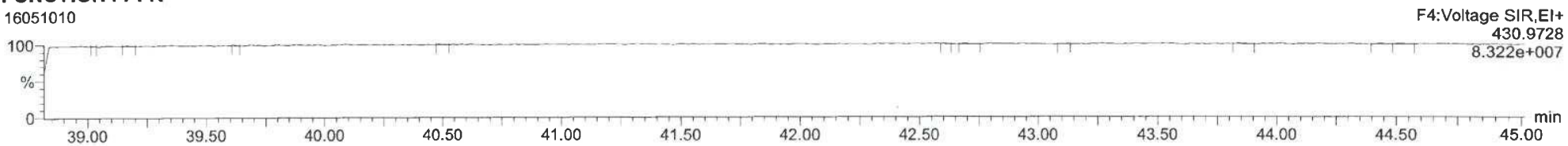


FUNCTION4 PFK



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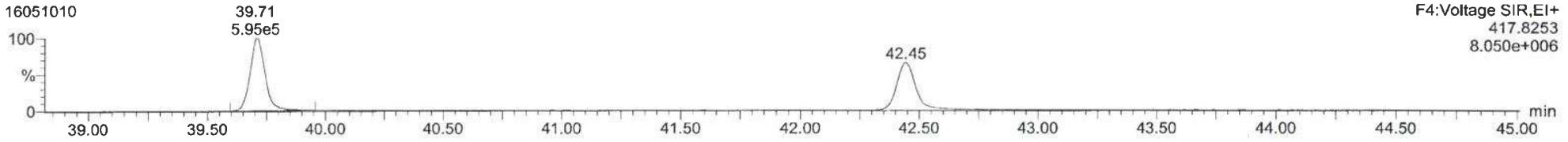

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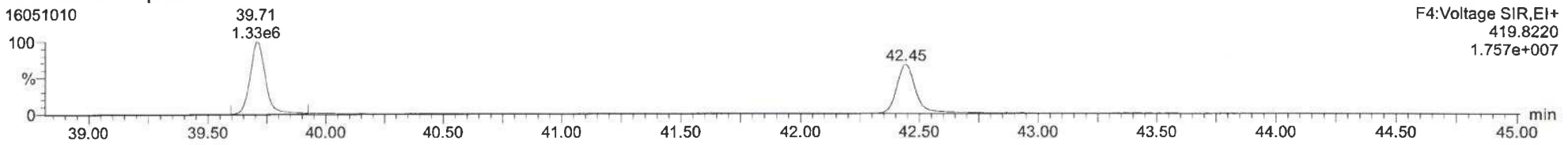
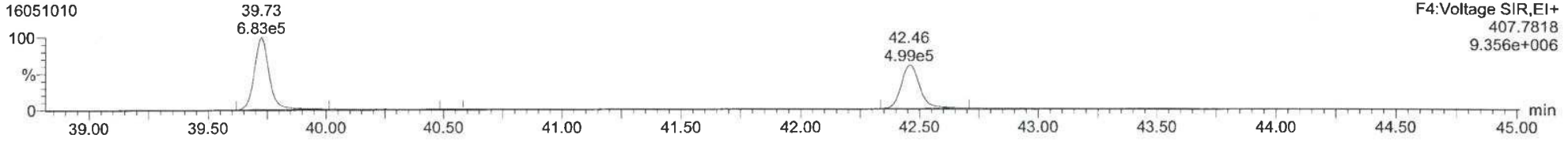
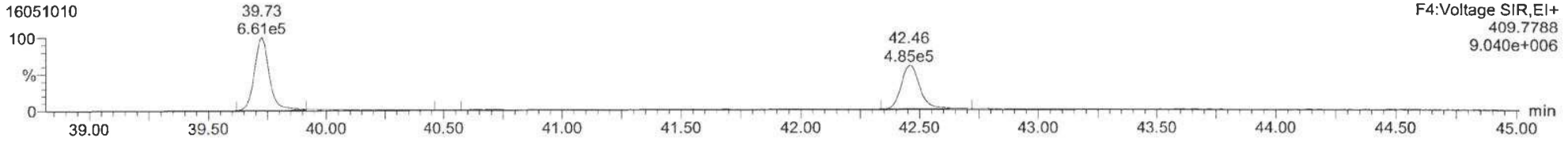


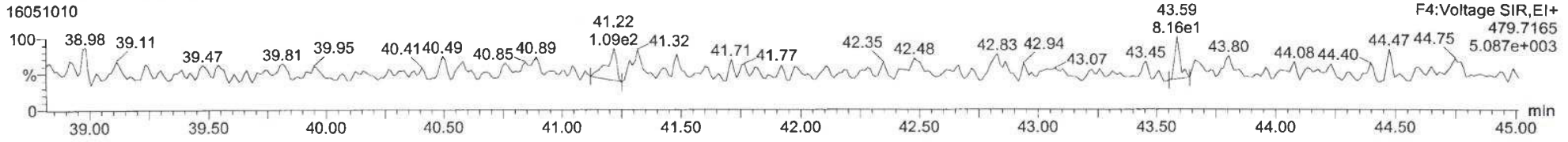
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



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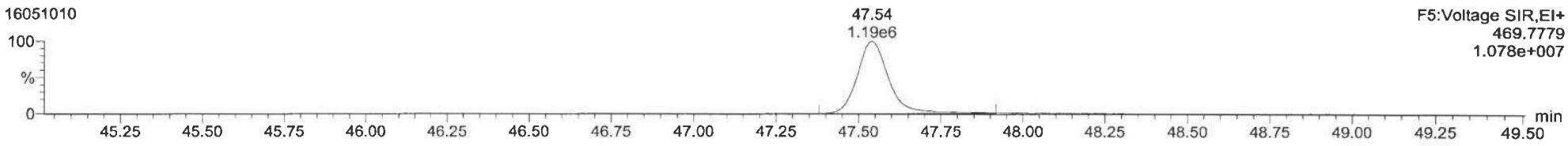
13C-OCDD



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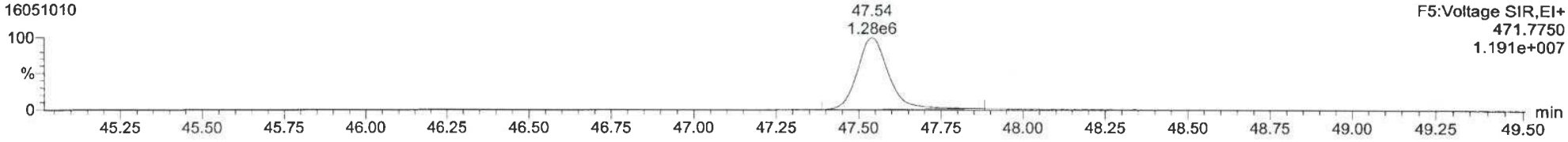
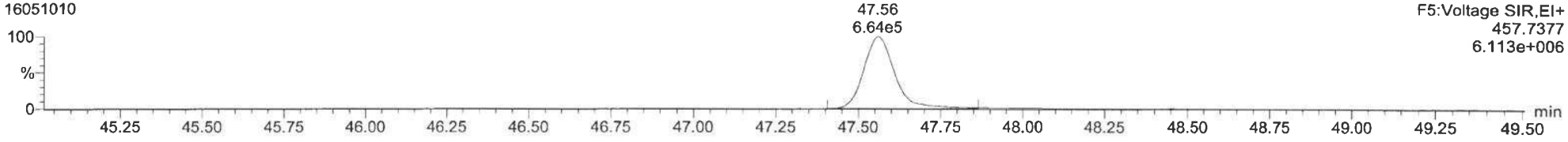
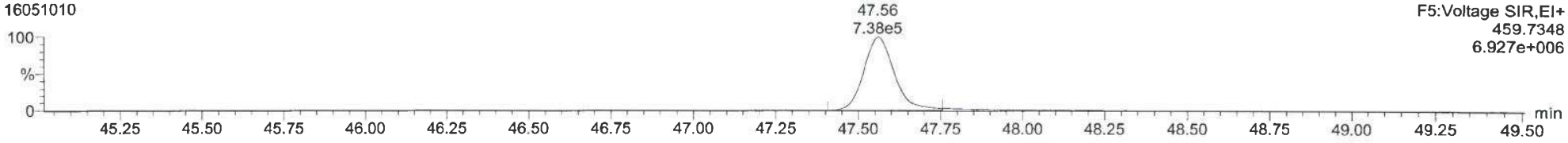


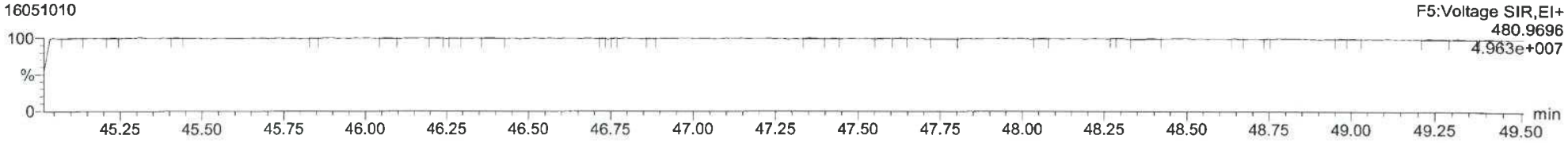
OCDD



OCDD



FUNCTION5 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**
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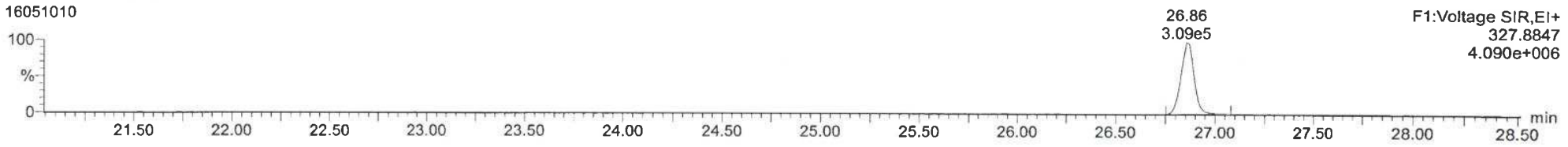
Last Altered: Thursday, May 12, 2016 14:38:04 Pacific Daylight Time
Printed: Thursday, May 12, 2016 14:39:05 Pacific Daylight Time

ID: ICV, Name: 16051010, Date: 10-May-2016, Time: 19:02:32, Conditions: AUTOSPEC01, User: pk

37CL-2378-TCDD



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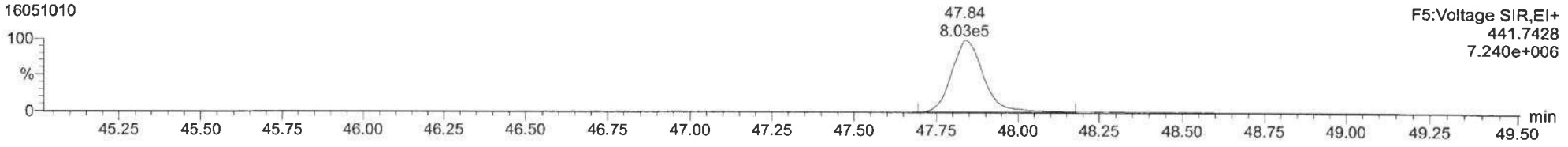

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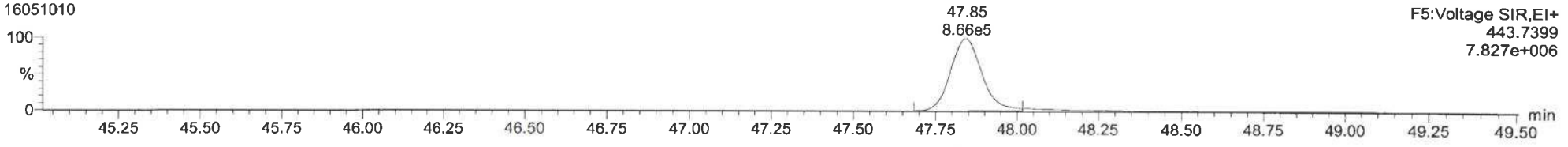
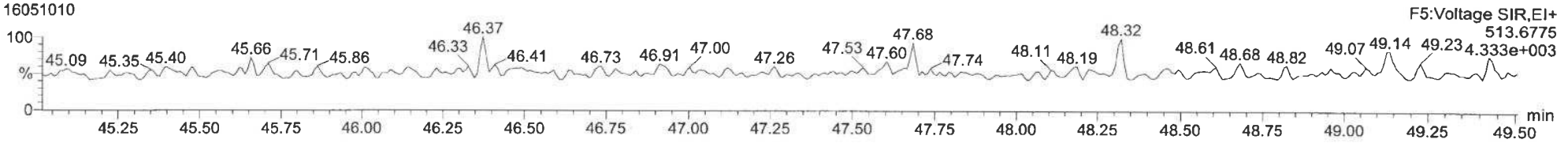


FUNCTION5 DCDPE



INITIAL CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Instrument ID:	AUTOSPEC01	Calibration:	ZE00016
Lab File ID:	16110102	Calibration Date:	05/10/16 15:20
Sequence:	SEJ0462	Injection Date:	11/01/16
Lab Sample ID:	SEJ0462-ICV1	Injection Time:	10:35
Sequence Name:	CS301		

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
2,3,7,8-TCDF	A	10.000	10.3	0.9347915	0.9636352		3.1	20
2,3,7,8-TCDD	A	10.000	10.1	1.1339650	1.1468050		1.1	20
1,2,3,7,8-PeCDF	A	50.000	48.0	0.9519161	0.9129802		-4.1	20
2,3,4,7,8-PeCDF	A	50.000	52.0	0.9629117	1.0008480		3.9	20
1,2,3,7,8-PeCDD	A	50.000	50.9	0.9753974	0.9923155		1.7	20
1,2,3,4,7,8-HxCDF	A	50.000	50.9	1.1365470	1.1558720		1.7	20
1,2,3,6,7,8-HxCDF	A	50.000	48.6	1.0987420	1.0684940		-2.8	20
2,3,4,6,7,8-HxCDF	A	50.000	51.7	1.1635040	1.2029270		3.4	20
1,2,3,7,8,9-HxCDF	A	50.000	50.2	1.1008210	1.1058540		0.5	20
1,2,3,4,7,8-HxCDD	A	50.000	48.3	1.0311670	0.9959299		-3.4	20
1,2,3,6,7,8-HxCDD	A	50.000	52.0	0.9714371	1.0103540		4.0	20
1,2,3,7,8,9-HxCDD	A	50.000	53.0	0.9950452	1.0306550		6.1	20
1,2,3,4,6,7,8-HpCDF	A	50.000	47.6	1.3027890	1.2406360		-4.8	20
1,2,3,4,7,8,9-HpCDF	A	50.000	47.4	1.3173610	1.2487050		-5.2	20
1,2,3,4,6,7,8-HpCDD	A	50.000	51.7	1.0280160	1.0620780		3.3	20
OCDF	A	100.00	102	1.1658070	1.1901030		2.1	20
OCDD	A	100.00	93.9	1.1070210	1.0394030		-6.1	20
13C12-2,3,7,8-TCDF	A	100.00	102	1.5674190	1.5918652		1.6	30
13C12-2,3,7,8-TCDD	A	100.00	101	0.9077481	0.9155644		0.9	30
13C12-1,2,3,7,8-PeCDF	A	100.00	106	1.2740970	1.3536778		6.2	30
13C12-2,3,4,7,8-PeCDF	A	100.00	112	1.2346260	1.3816399		11.9	30
13C12-1,2,3,7,8-PeCDD	A	100.00	110	0.7557554	0.8301364		9.8	30
13C12-1,2,3,4,7,8-HxCDF	A	100.00	93.4	1.3809190	1.2904517		-6.6	30
13C12-1,2,3,6,7,8-HxCDF	A	100.00	91.8	1.5694530	1.4413168		-8.2	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	93.8	1.3453300	1.2616508		-6.2	30
13C12-1,2,3,7,8,9-HxCDF	A	100.00	98.0	1.1828950	1.1588803		-2.0	30
13C12-1,2,3,4,7,8-HxCDD	A	100.00	98.5	1.0559040	1.0399022		-1.5	30
13C12-1,2,3,6,7,8-HxCDD	A	100.00	94.1	1.1630360	1.0944049		-5.9	30
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	96.7	1.1783620	1.1398800		-3.3	30
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	107	0.8777992	0.9351619		6.5	30
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	104	0.9091061	0.9412514		3.5	30

* Values outside of QC limits

INITIAL CALIBRATION CHECK

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Instrument ID:	AUTOSPEC01	Calibration:	ZE00016
Lab File ID:	16110102	Calibration Date:	05/10/16 15:20
Sequence:	SEJ0462	Injection Date:	11/01/16
Lab Sample ID:	SEJ0462-ICV1	Injection Time:	10:35
Sequence Name:	CS301		

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
13C12-OCDD	A	200.00	206	0.8195753	0.8441025		3.0	30
37C14-2,3,7,8-TCDD	A	10.000	10.4	1.0665580	1.1097494		4.0	

* Values outside of QC limits

Dataset: Untitled
Last Altered: Tuesday, November 01, 2016 11:34:11 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:35:41 Pacific Daylight Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin161007.mdb 07 Oct 2016 14:10:52
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	25.600	1.001	1.38e5	1.84e5	0.935	0.752	0.770	3304	2530	1.93e6	2.66e6	584.3	NO	10.309
12378-PeCDF	29.729	1.000	7.97e5	5.01e5	0.952	1.592	1.550	4549	4195	1.17e7	7.51e6	2563.2	NO	47.955
23478-PeCDF	31.077	1.000	8.90e5	5.62e5	0.963	1.583	1.550	4549	4195	1.30e7	8.27e6	2864.5	NO	51.970
123478-HxCDF	34.749	1.001	6.99e5	5.72e5	1.137	1.221	1.240	7172	5030	1.04e7	8.35e6	1454.6	NO	50.850
234678-HxCDF	35.845	1.001	7.08e5	5.85e5	1.164	1.209	1.240	7172	5030	1.03e7	8.45e6	1437.6	NO	51.694
123678-HxCDF	34.892	1.000	7.25e5	5.87e5	1.099	1.234	1.240	7172	5030	1.05e7	8.42e6	1469.4	NO	48.623
123789-HxCDF	36.985	1.000	6.11e5	4.81e5	1.101	1.269	1.240	7172	5030	8.81e6	7.10e6	1227.9	NO	50.229
1234678-HpCDF	39.046	1.000	6.04e5	6.01e5	1.303	1.005	1.050	3126	3600	9.13e6	8.98e6	2920.8	NO	47.615
1234789-HpCDF	41.666	1.001	5.09e5	4.86e5	1.317	1.048	1.050	3126	3600	6.38e6	6.18e6	2041.5	NO	47.394
OCDF	46.783	1.006	8.00e5	9.12e5	1.166	0.877	0.890	2943	2904	8.17e6	9.30e6	2775.3	NO	102.084
2378-TCDD	26.242	1.001	9.69e4	1.24e5	1.134	0.784	0.770	1965	2351	1.42e6	1.76e6	721.0	NO	10.113
12378-PeCDD	31.330	1.000	5.32e5	3.33e5	0.975	1.600	1.550	3818	3237	7.79e6	5.01e6	2041.1	NO	50.867
123478-HxCDD	35.977	1.000	4.89e5	3.93e5	1.031	1.243	1.240	3038	3795	7.29e6	5.99e6	2399.5	NO	48.291
123678-HxCDD	36.108	1.001	5.28e5	4.14e5	0.971	1.275	1.240	3038	3795	7.61e6	6.04e6	2503.4	NO	52.003
123789-HxCDD	36.536	1.012	5.05e5	4.08e5	0.947	1.235	1.240	3038	3795	7.27e6	5.85e6	2392.6	NO	53.042
1234678-HpCDD	40.811	1.001	4.37e5	4.15e5	1.028	1.052	1.050	3456	2873	5.75e6	5.41e6	1663.3	NO	51.657
OCDD	46.514	1.000	7.08e5	7.87e5	1.107	0.899	0.890	2997	2750	7.13e6	7.95e6	2380.6	NO	93.892
13C-2378-TCDF	25.585	1.006	1.47e6	1.88e6	1.567	0.781	0.770	12294	4883	2.12e7	2.71e7	1722.6	NO	101.560
13C-12378-PeCDF	29.718	1.169	1.75e6	1.10e6	1.274	1.595	1.550	4506	4146	2.53e7	1.59e7	5615.5	NO	106.246
13C-23478-PeCDF	31.066	1.222	1.77e6	1.13e6	1.235	1.571	1.550	4506	4146	2.57e7	1.65e7	5714.5	NO	111.908
13C-123478-HxCDF	34.727	0.951	7.52e5	1.45e6	1.381	0.520	0.510	5494	6820	1.12e7	2.16e7	2037.4	NO	93.449
13C-123678-HxCDF	34.881	0.955	8.42e5	1.61e6	1.569	0.521	0.510	5494	6820	1.18e7	2.26e7	2153.6	NO	91.836
13C-234678-HxCDF	35.823	0.981	7.35e5	1.41e6	1.345	0.520	0.510	5494	6820	1.07e7	2.06e7	1940.8	NO	93.780
13C-123789-HxCDF	36.974	1.013	6.76e5	1.30e6	1.183	0.521	0.510	5494	6820	9.56e6	1.83e7	1739.3	NO	97.970
13C-1234678-HpCDF	39.035	1.069	6.03e5	1.34e6	1.178	0.450	0.440	3192	6445	9.00e6	1.98e7	2821.2	NO	96.734
13C-1234789-HpCDF	41.644	1.140	4.90e5	1.10e6	0.878	0.444	0.440	3192	6445	6.08e6	1.36e7	1906.4	NO	106.535
13C-1234-TCDD	25.420	0.000	9.26e5	1.17e6	1.000	0.789	0.770	4049	1748	1.33e7	1.69e7	3274.2	NO	100.000
13C-2378-TCDD	26.227	1.032	8.47e5	1.08e6	0.908	0.787	0.770	4049	1748	1.19e7	1.50e7	2935.7	NO	100.861
13C-12378-PeCDD	31.319	1.232	1.08e6	6.62e5	0.756	1.635	1.550	2689	2198	1.57e7	9.62e6	5857.0	NO	109.842
13C-123478-HxCDD	35.966	0.985	9.98e5	7.74e5	1.056	1.290	1.240	3468	2871	1.47e7	1.13e7	4234.4	NO	98.485
13C-123678-HxCDD	36.086	0.988	1.06e6	8.06e5	1.163	1.313	1.240	3468	2871	1.50e7	1.19e7	4317.4	NO	94.099
13C-1234678-HpCDD	40.789	1.117	8.33e5	7.71e5	0.909	1.080	1.050	2857	3036	1.10e7	1.03e7	3834.0	NO	103.536
13C-OCDD	46.496	1.273	1.37e6	1.51e6	0.820	0.908	0.890	3172	2922	1.38e7	1.55e7	4361.2	NO	205.985

Dataset: Untitled
Last Altered: Tuesday, November 01, 2016 11:34:11 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:35:41 Pacific Daylight Time

ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

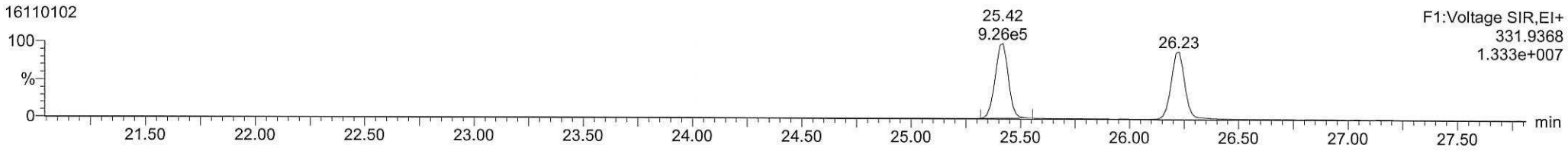
Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	36.514	0.000	9.50e5	7.54e5	1.000	1.260	1.240	3468	2871	1.39e7	1.09e7	3998.1	NO	100.000
Total-tetrafurans			4.50e5		0.935			3304		6.23e6				33.185
Total-penta1			1.04e6					1551		1.53e7				65.787
Total-pentafurans			2.66e6		0.957			4549		3.84e7				157.543
Total-hexafurans			3.47e6		1.125			7172		5.08e7				254.178
Total-heptafurans			1.11e6		1.310			3126		1.55e7				95.279
Total-Furans			9.54e6		1.114			3304		1.34e8				708.088
Total-tetradioxins			5.24e5		1.134			1965		6.86e6				55.030
Total-pentadioxins			2.06e6		0.975			3818		2.57e7				198.316
Total-hexadioxins			2.05e6		0.983			3038		2.99e7				207.547
Total-heptadioxins			9.24e5		1.028			3456		1.27e7				109.477
Total-Dioxins			6.27e6		1.028			1965		8.23e7				664.278
Total-TEQ			1.58e7					1965		2.17e8				1372.366
37CL-2378-TCDD	26.242	1.032	2.33e5		1.067			2364		3.43e6		1449.9		10.405
FUNCTION1 PFK			8.34e4					815995		1.92e6				
FUNCTION2 PFK			3.77e5					223540		1.08e7				0.000
FUNCTION3 PFK			0.00e0					665262		0.00e0				
FUNCTION4 PFK			1.22e5					492732		5.27e6				
FUNCTION5 PFK			4.58e5					330234		1.65e7				
FUNCTION1 HXCDPE			7.52e2					846		1.57e4				0.000
FUNCTION1 HPCDPE			8.42e1					611		1.50e3				0.000
FUNCTION2 HPCDPE			1.10e3					691		2.85e4				0.000
FUNCTION3 OCDPE			0.00e0					596		0.00e0				
FUNCTION4 NCDPE			2.00e2					981		4.33e3				0.000
FUNCTION5 DCDPE			7.15e1					594		2.78e3				0.000

Dataset: Untitled
Last Altered: Tuesday, November 01, 2016 11:34:11 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 11:35:41 Pacific Daylight Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin161007.mdb 07 Oct 2016 14:10:52
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

13C-1234-TCDD



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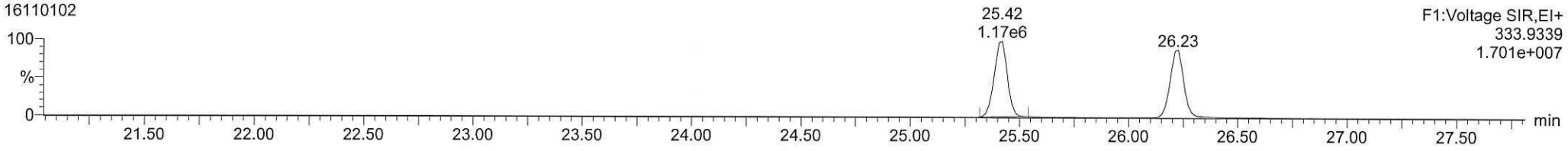

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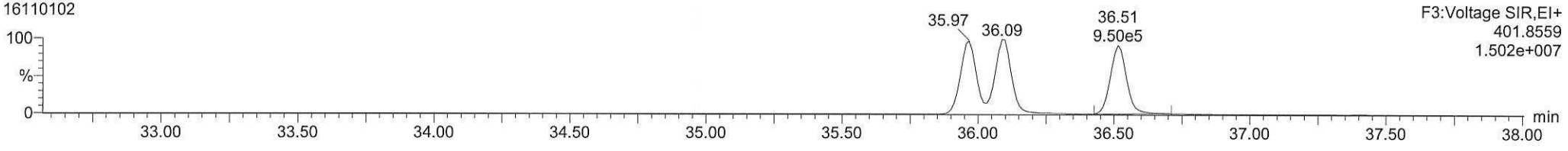

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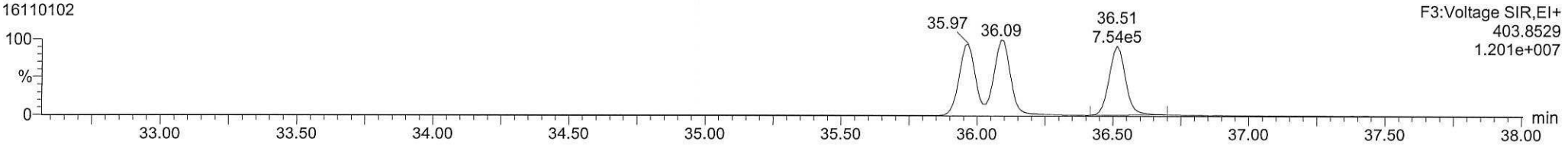
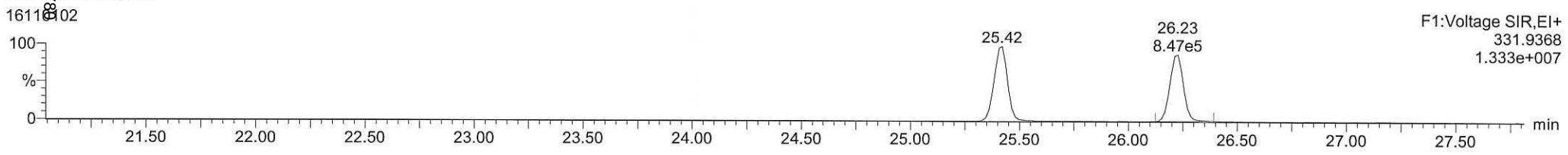
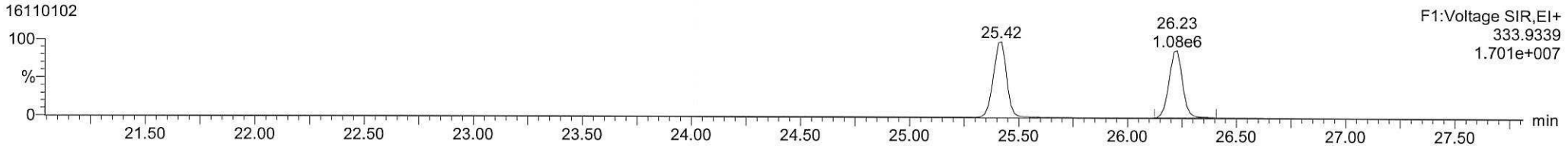


ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

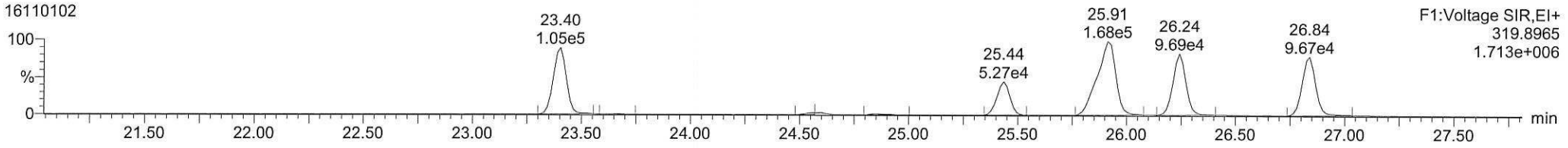
13C-2378-TCDD



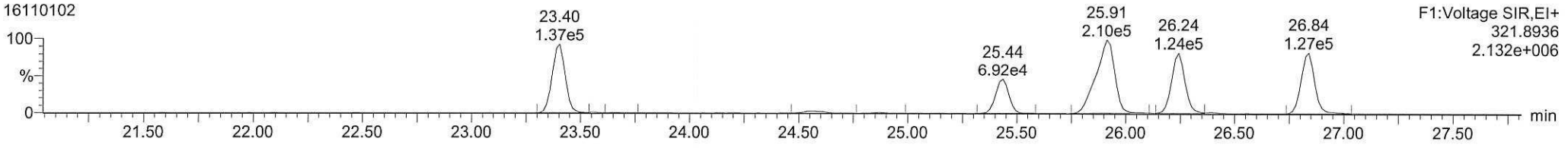
13C-2378-TCDD



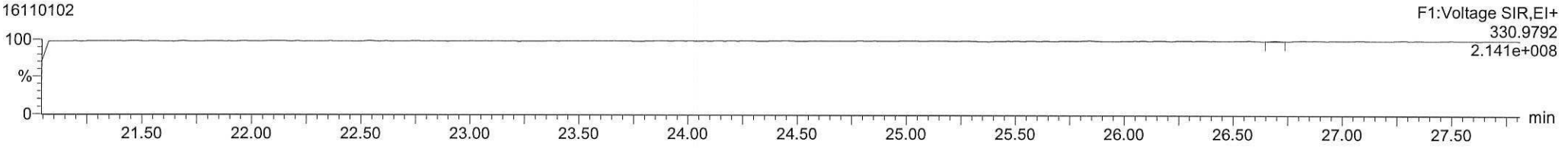
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



Quantify Sample Report **MassLynx MassLynx V4.1 SCN909**

Dataset: Untitled

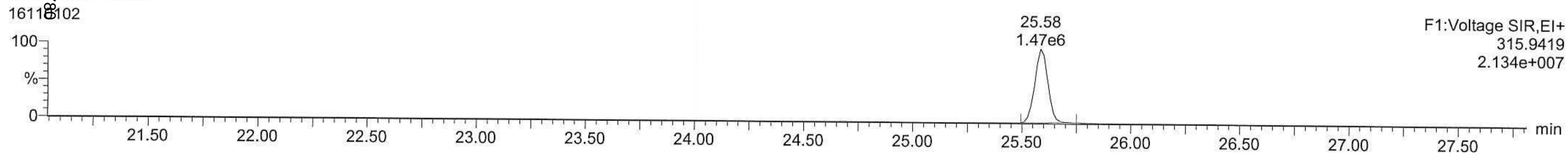
Last Altered: Tuesday, November 01, 2016 11:34:11 Pacific Daylight Time

Printed: Tuesday, November 01, 2016 11:35:41 Pacific Daylight Time

ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

13C-2378-TCDF

16110102



13C-2378-TCDF

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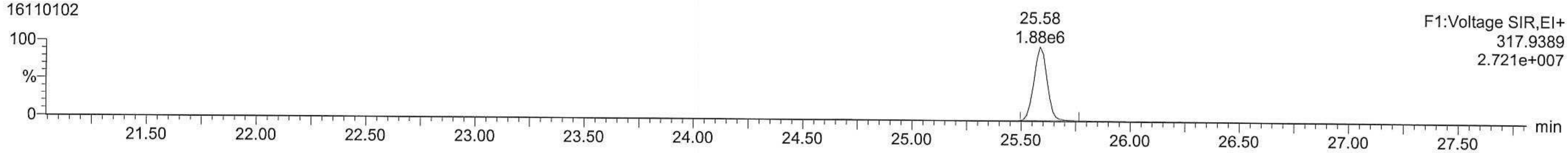
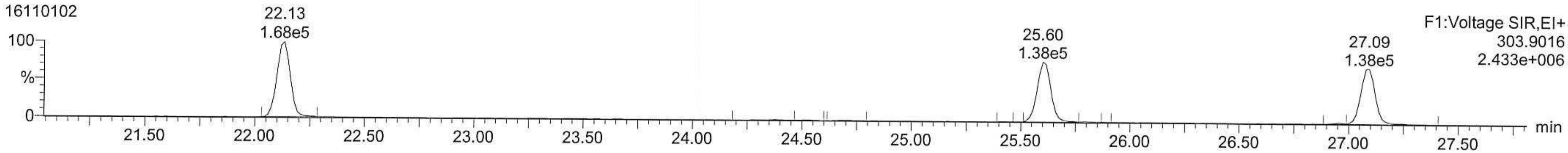


Total-tetrafurans

16110102



Total-tetrafurans

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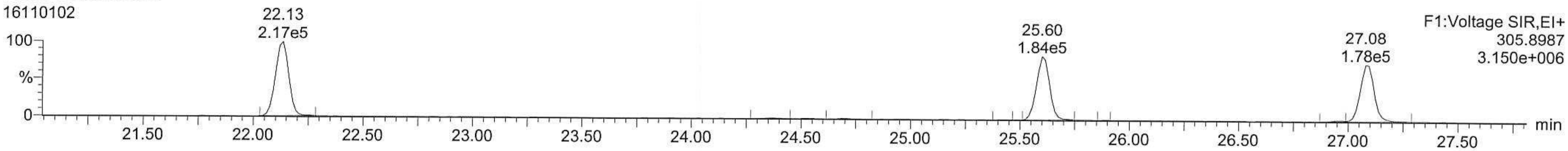
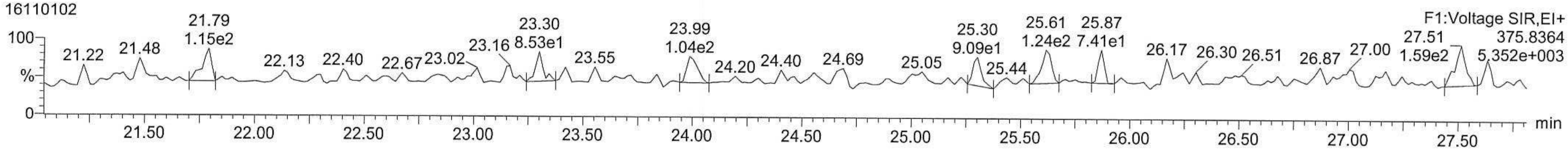


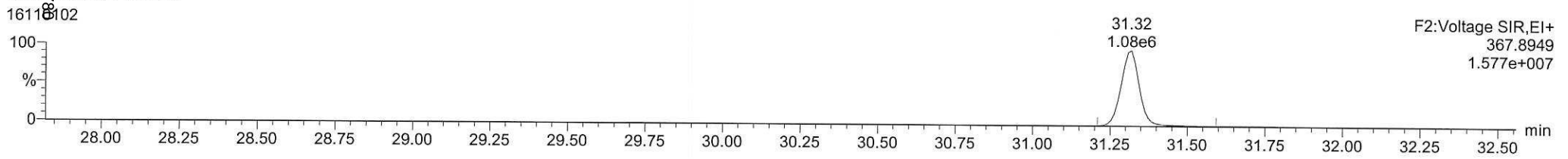
FUNCTION1 HXCDPE

16110102



ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

13C-12378-PeCDD



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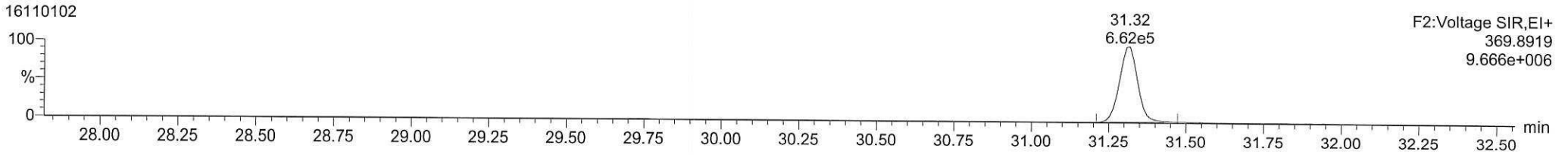

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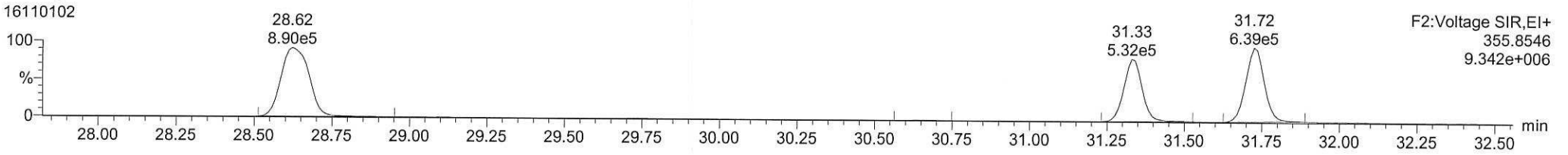
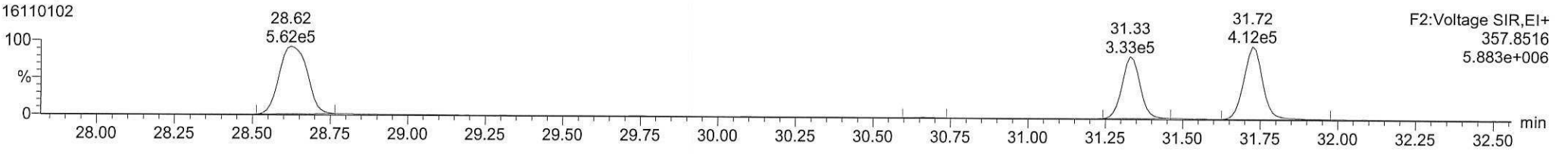


Total-pentadioxins



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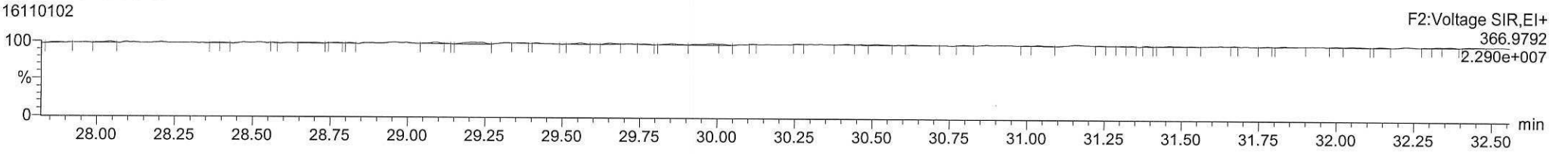

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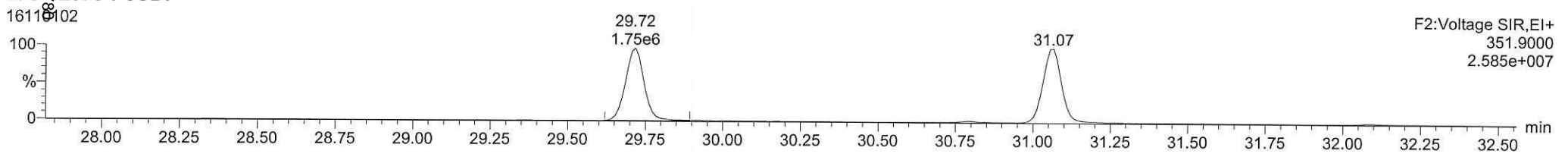

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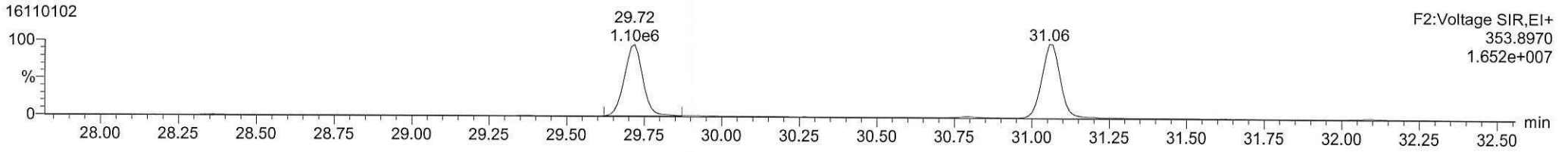

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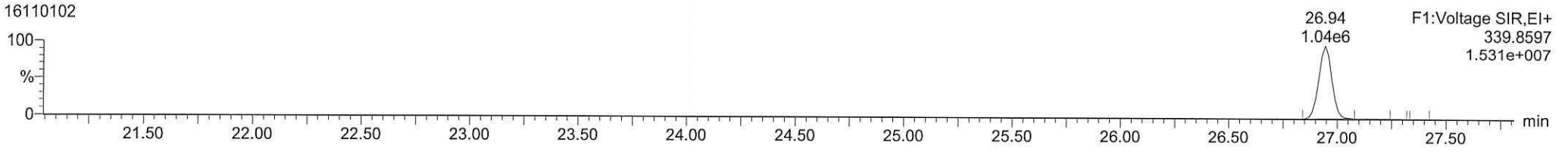

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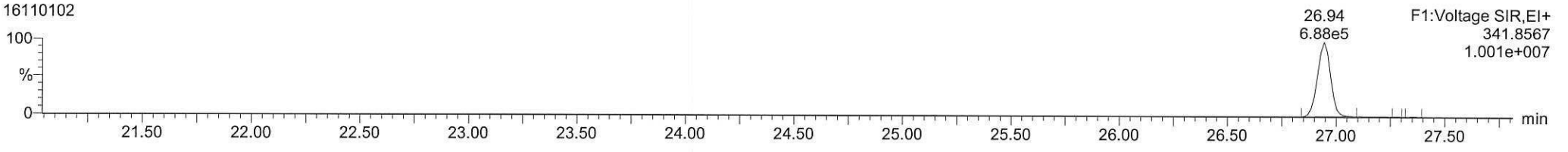
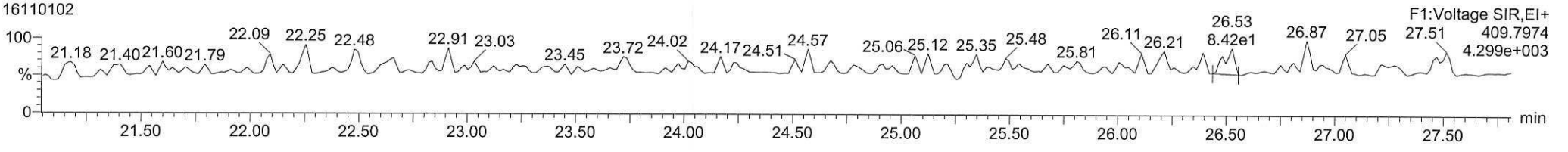


FUNCTION1 HPCDPE



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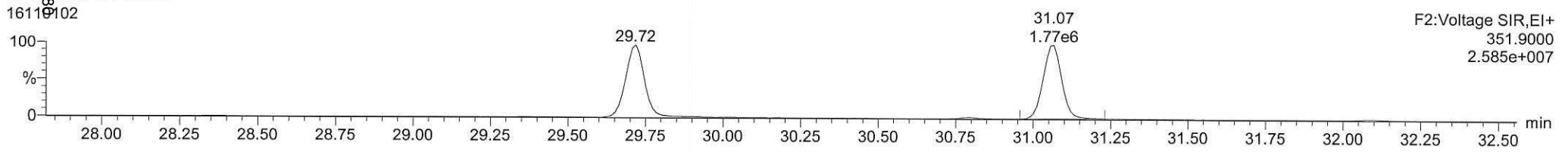

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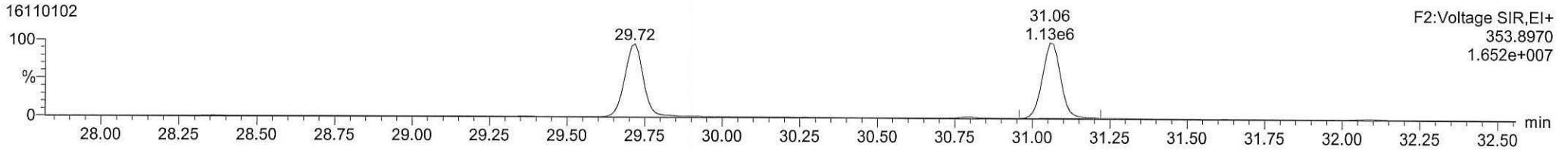
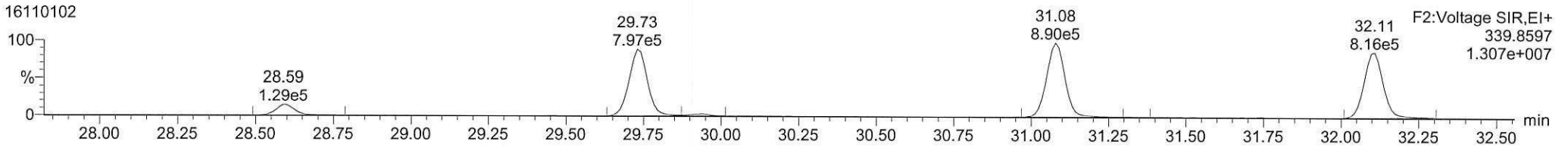
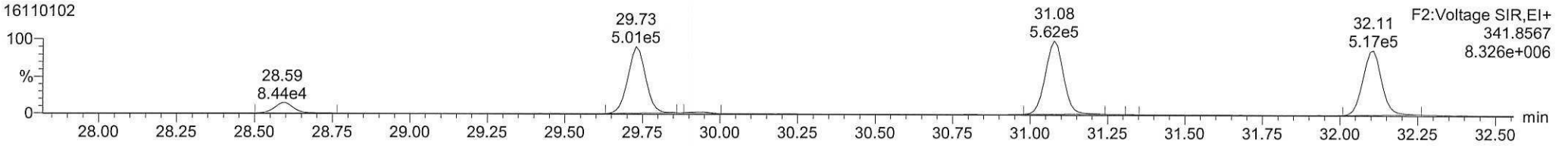


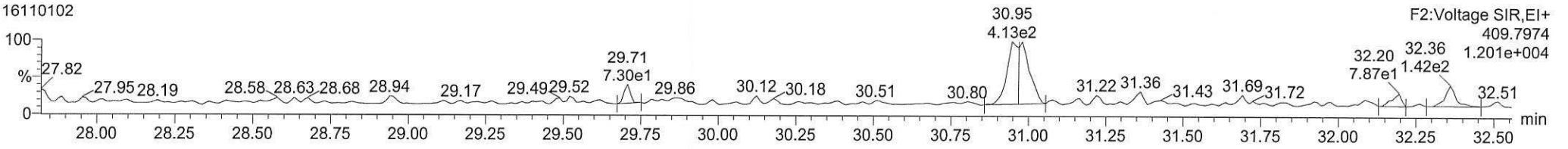
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



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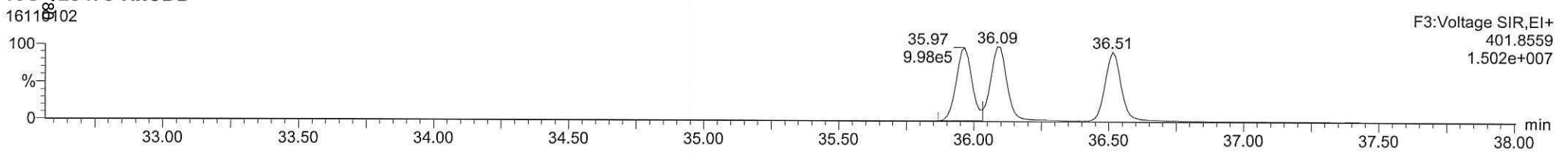
13C-123478-HxCDD



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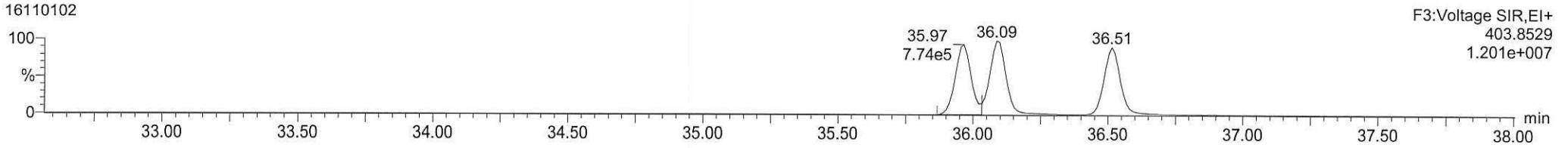

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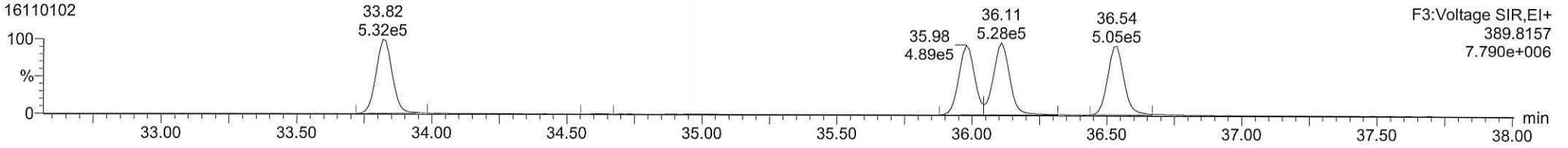
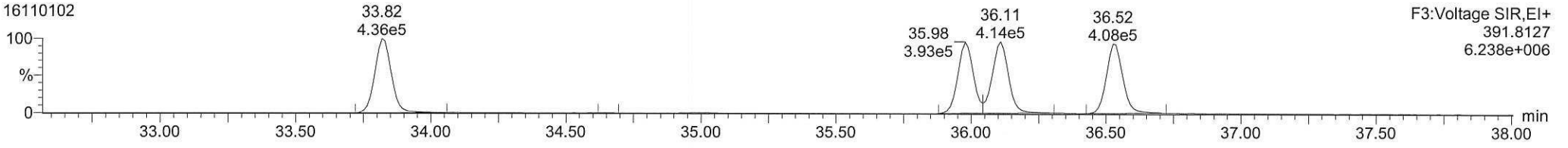
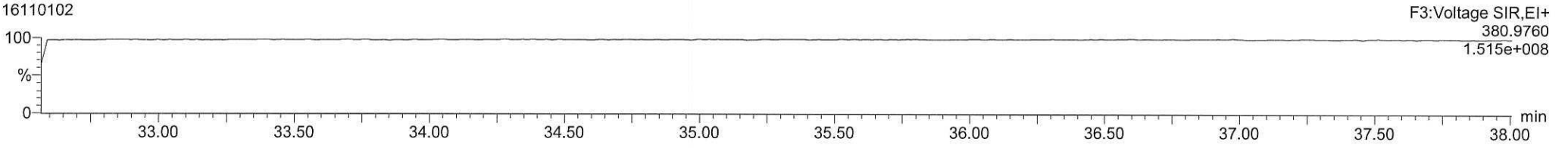


Total-hexadioxins



FUNCTION3 PFK



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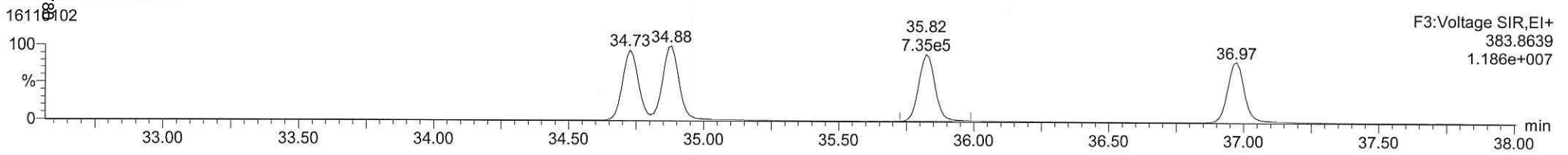
13C-234678-HxCDF



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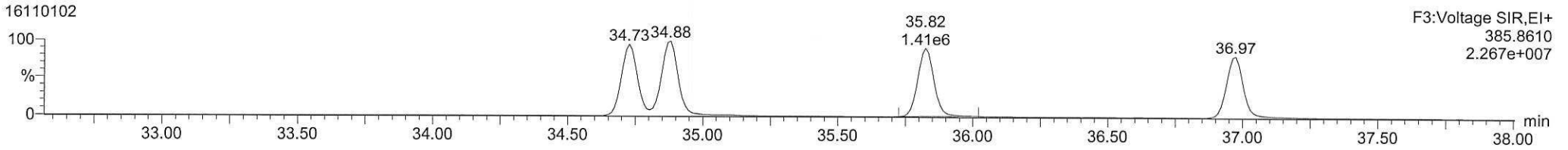

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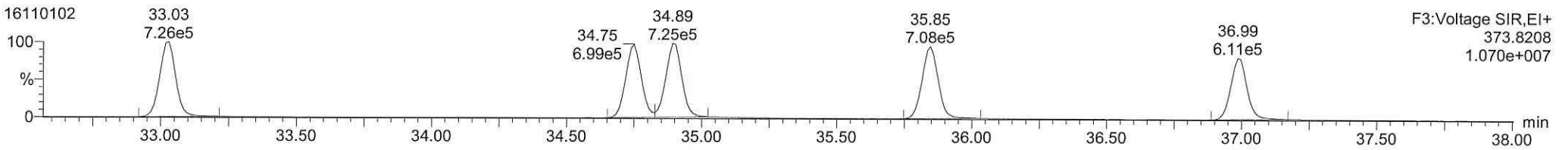

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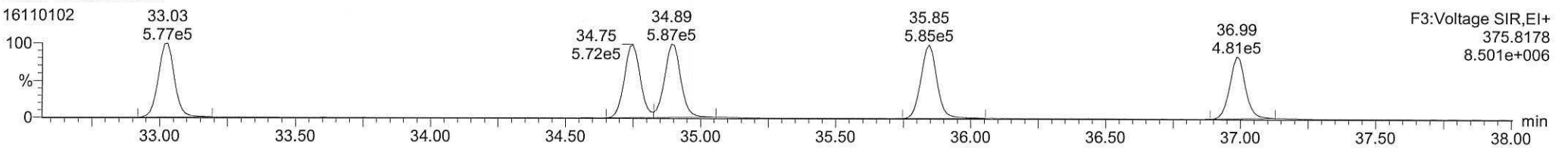
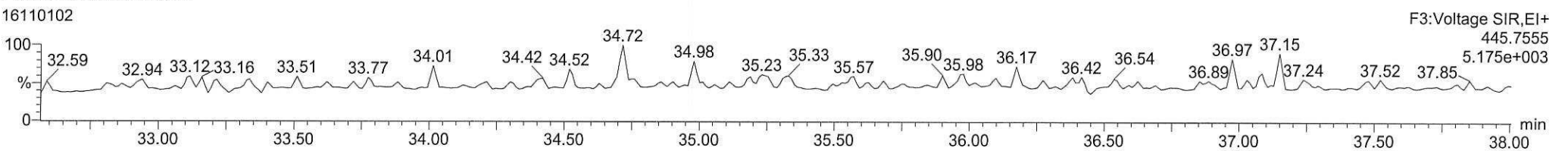


FUNCTION3 OCDPE



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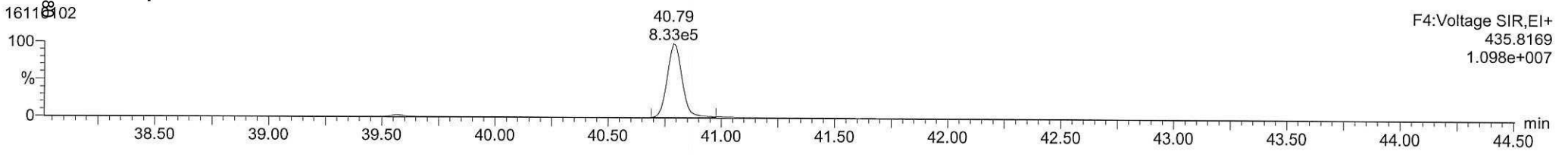
13C-1234678-HpCDD



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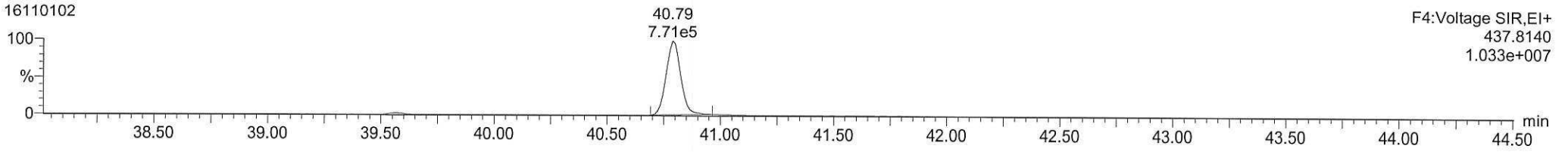
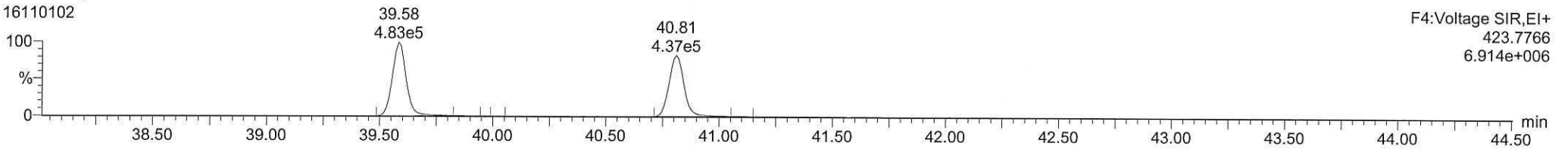
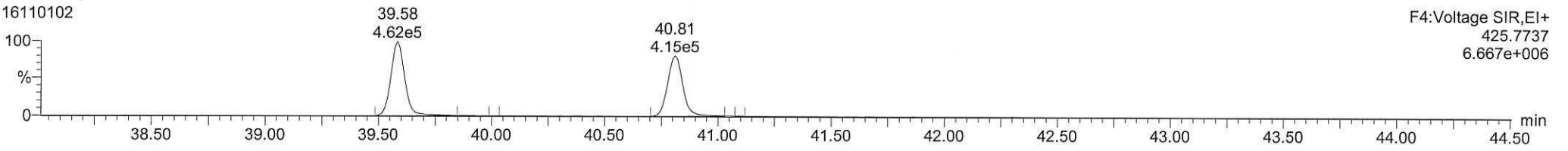


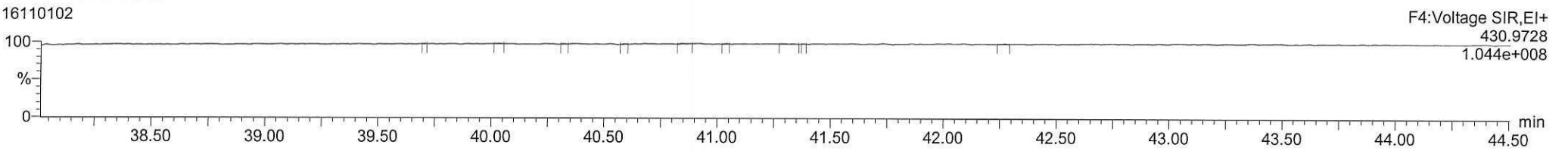
Total-heptadioxins



Total-heptadioxins

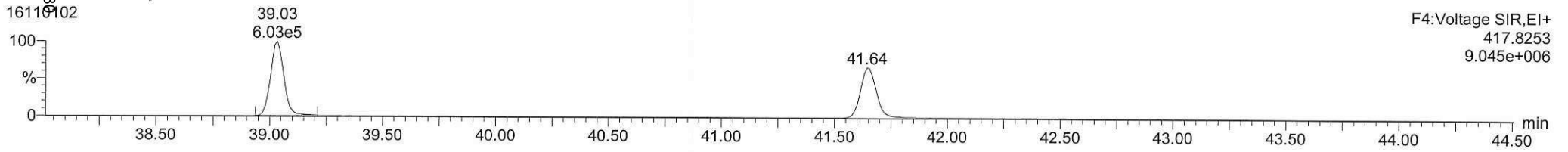


FUNCTION4 PFK



ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

13C-1234678-HpCDF



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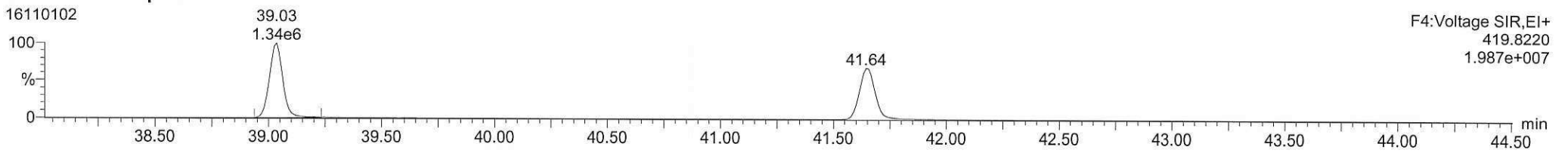
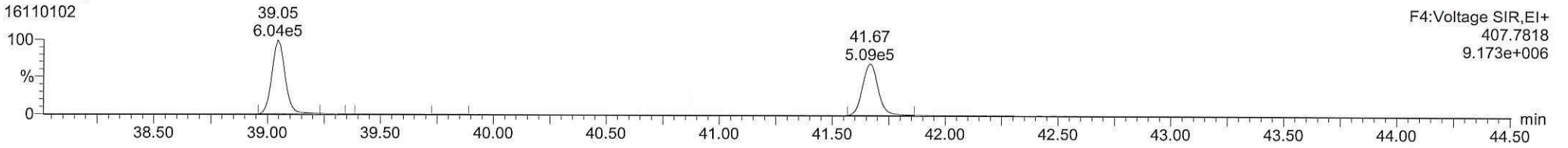


Total-heptafurans



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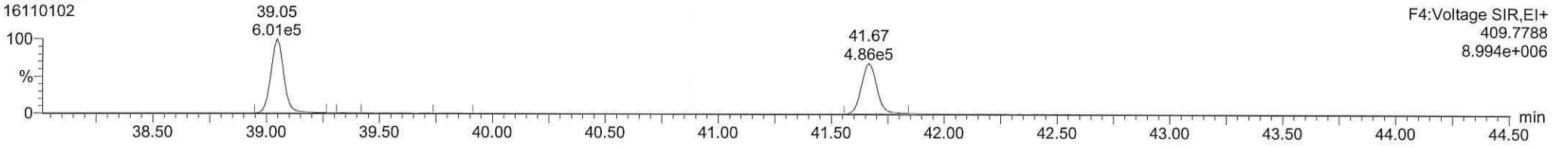
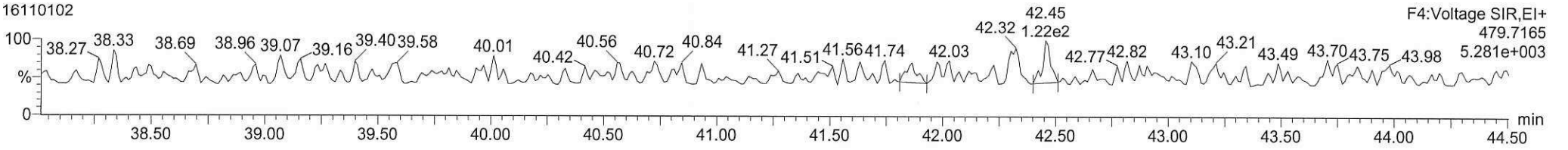


FUNCTION4 NCDPE



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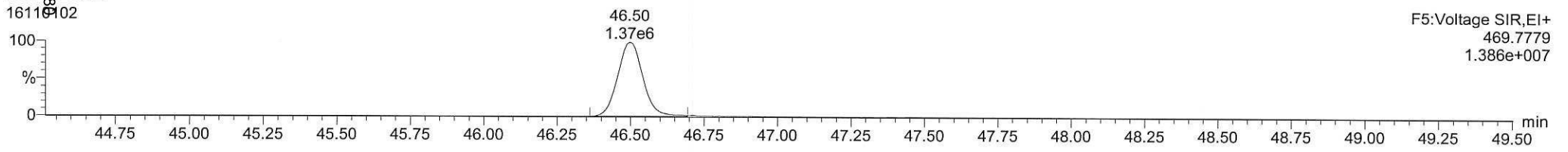
Printed: Tuesday, November 01, 2016 11:35:41 Pacific Daylight Time

ID: CS301, Name: 16110102, Date: 01-Nov-2016, Time: 10:35:53, Conditions: AUTOSPEC01, User: PK

13C-OCDD



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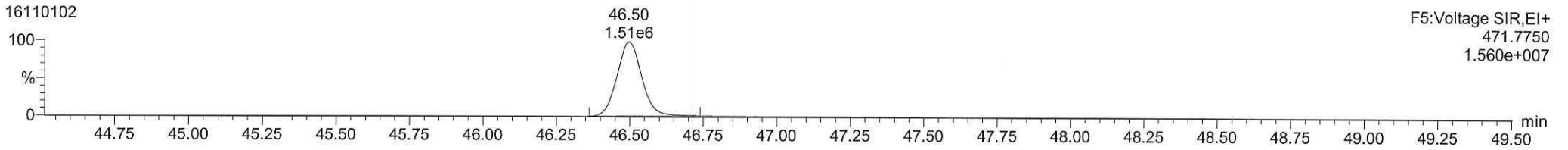
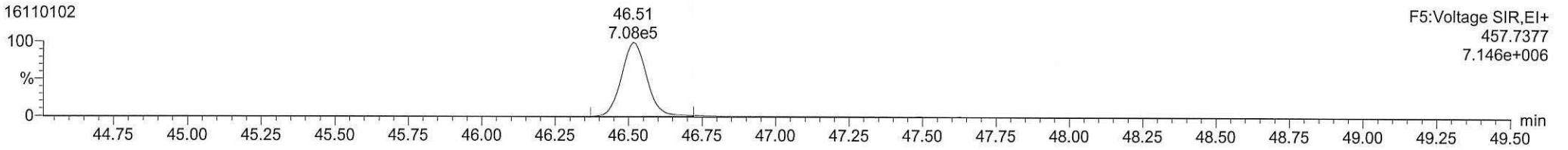


OCDD



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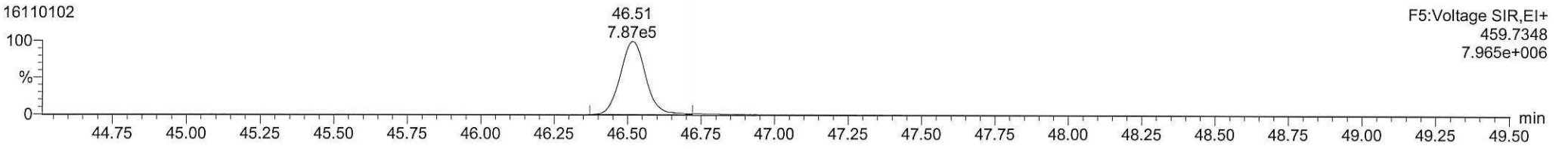
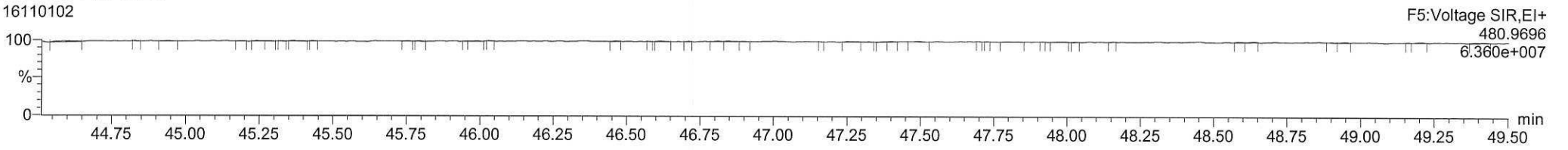


FUNCTION5 PFK



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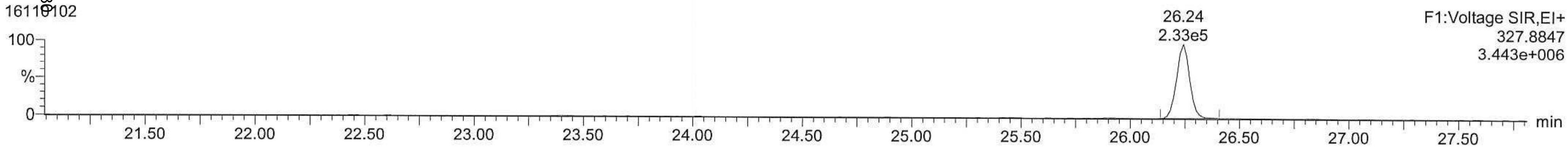
37Cl-2378-TCDD
16110102



OCDF
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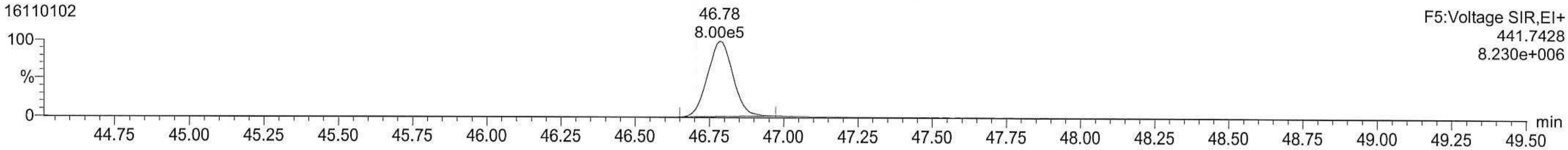

OCDF
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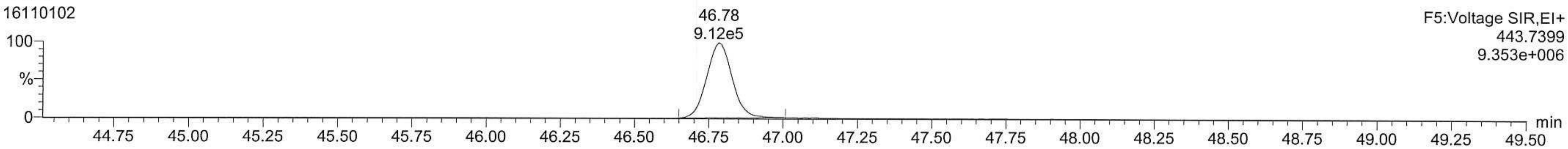

FUNCTION5 DCDPE
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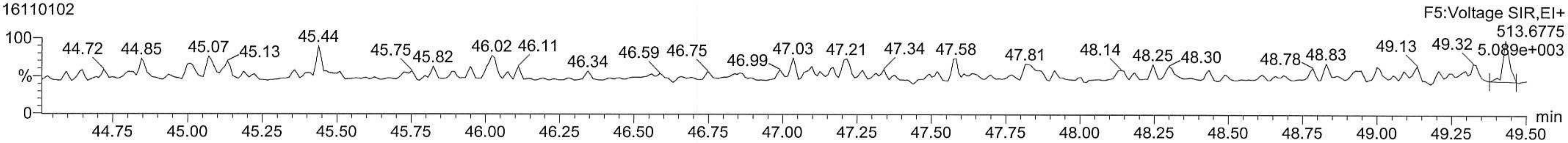

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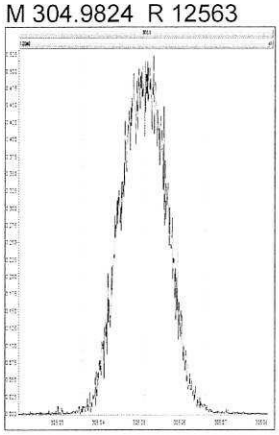

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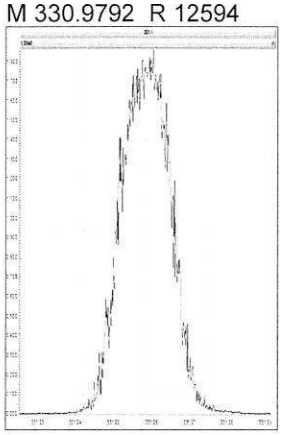

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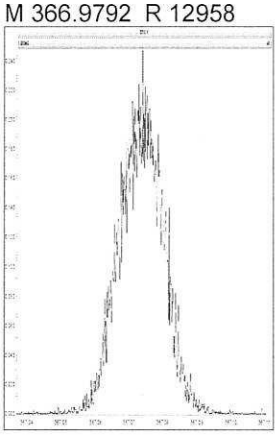

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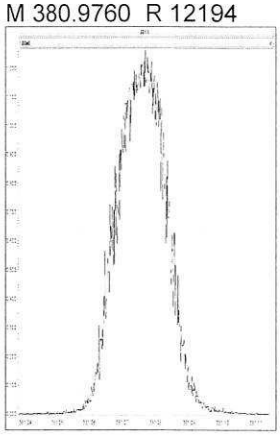

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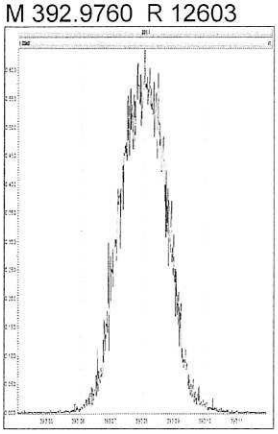

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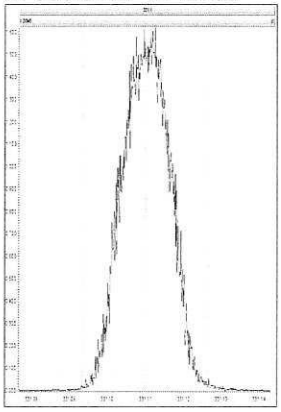
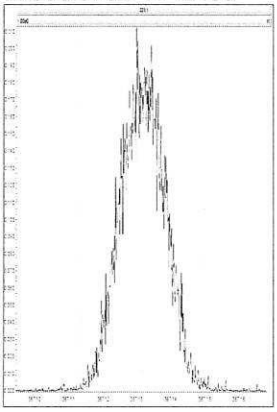
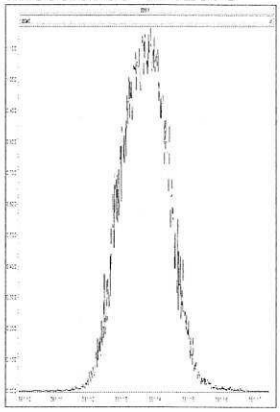


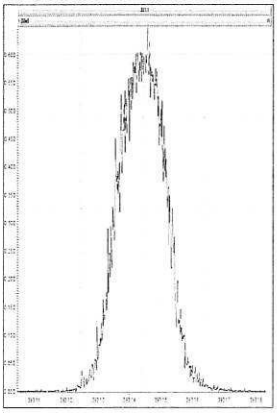
M 366.9792 R 12499



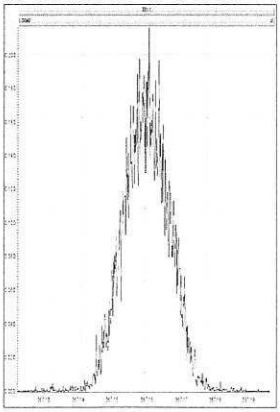
M 380.9760 R 12376



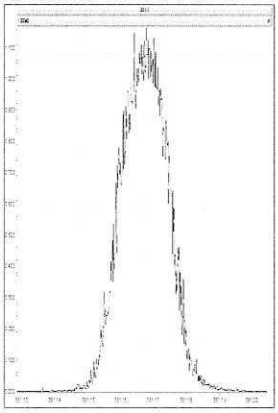
M 392.9760 R 12886



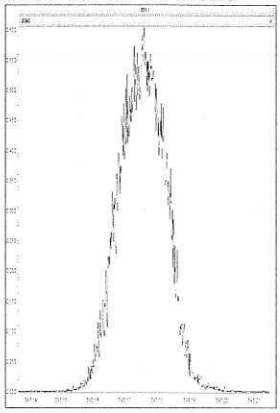
M 366.9792 R 12711



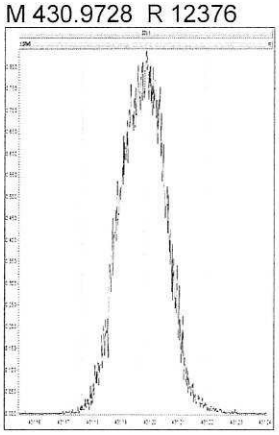
M 380.9760 R 12628



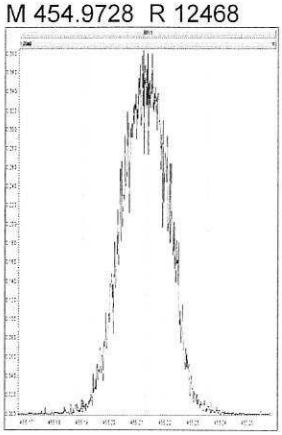
M 392.9760 R 12825



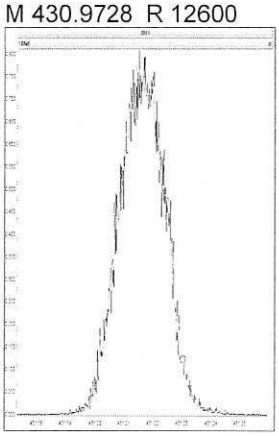
M 430.9728 R 12376



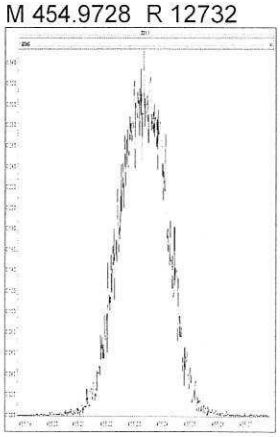
M 454.9728 R 12468



M 430.9728 R 12600

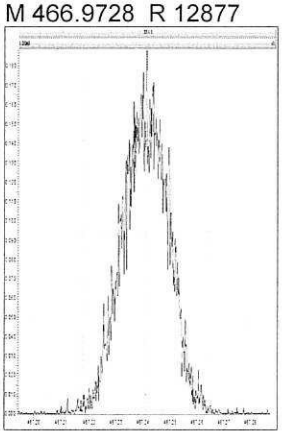


M 454.9728 R 12732

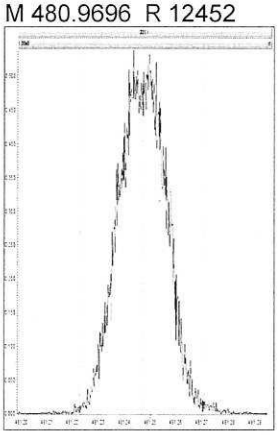


Printed: Tuesday, November 01, 2016 10:28:31 Pacific Daylight Time

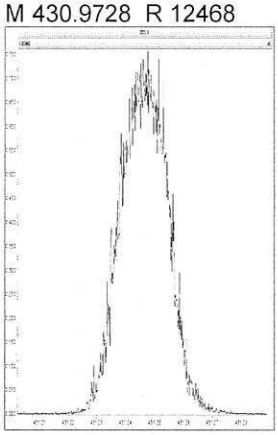
M 466.9728 R 12877



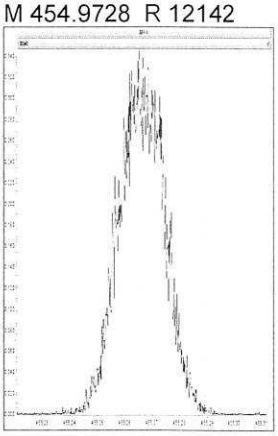
M 480.9696 R 12452



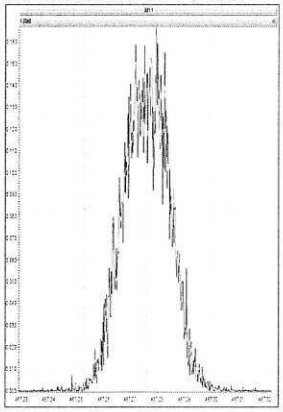
M 430.9728 R 12468



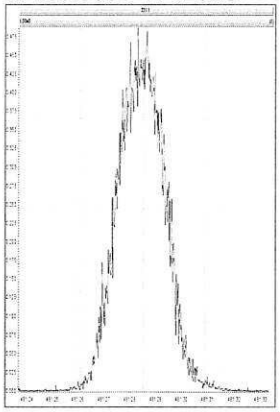
M 454.9728 R 12142



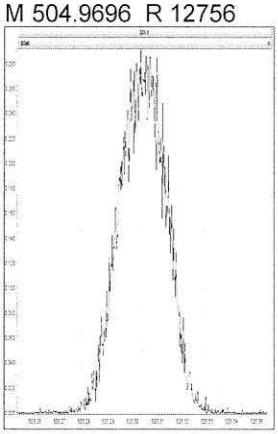
M 466.9728 R 13405

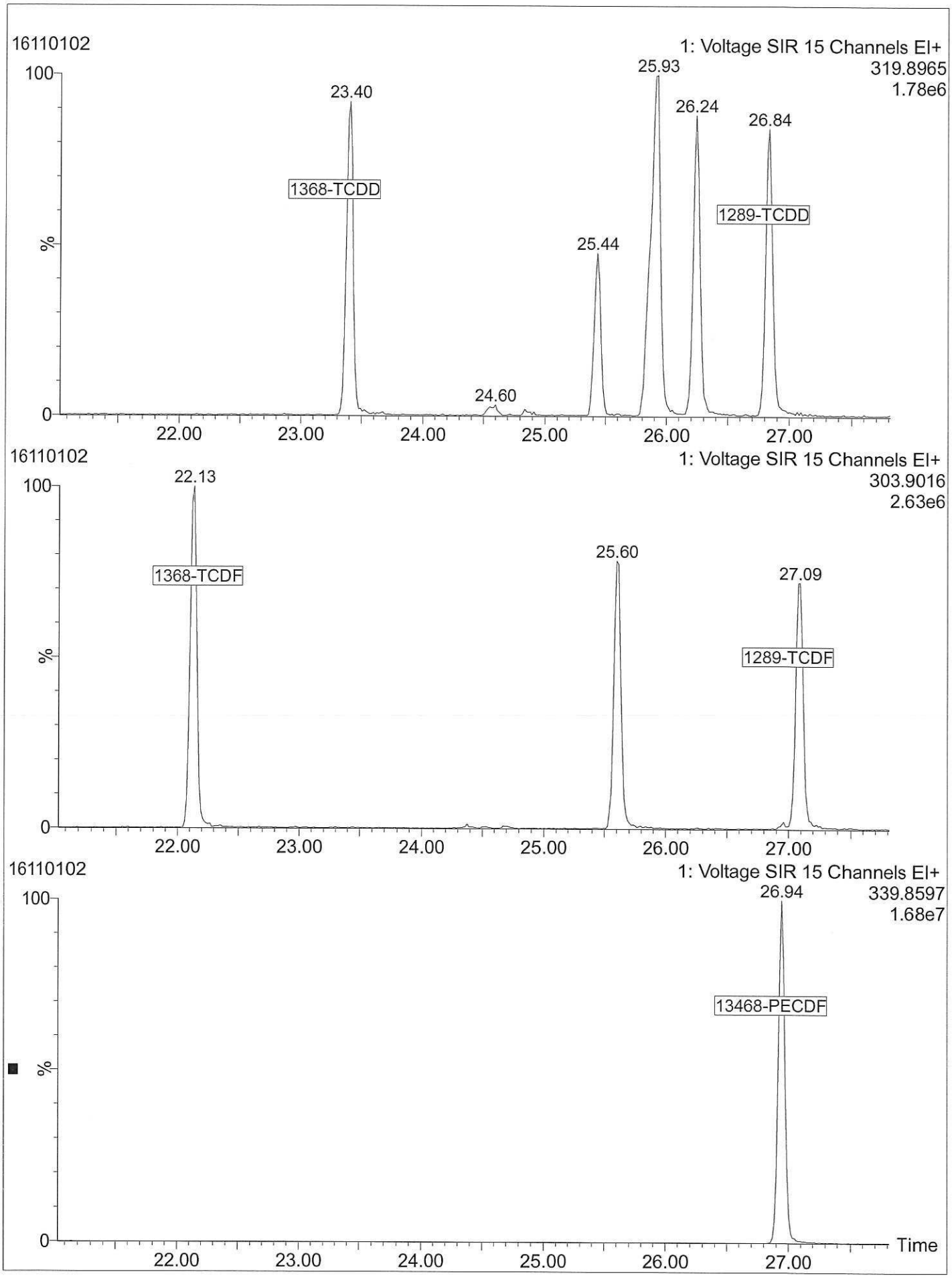


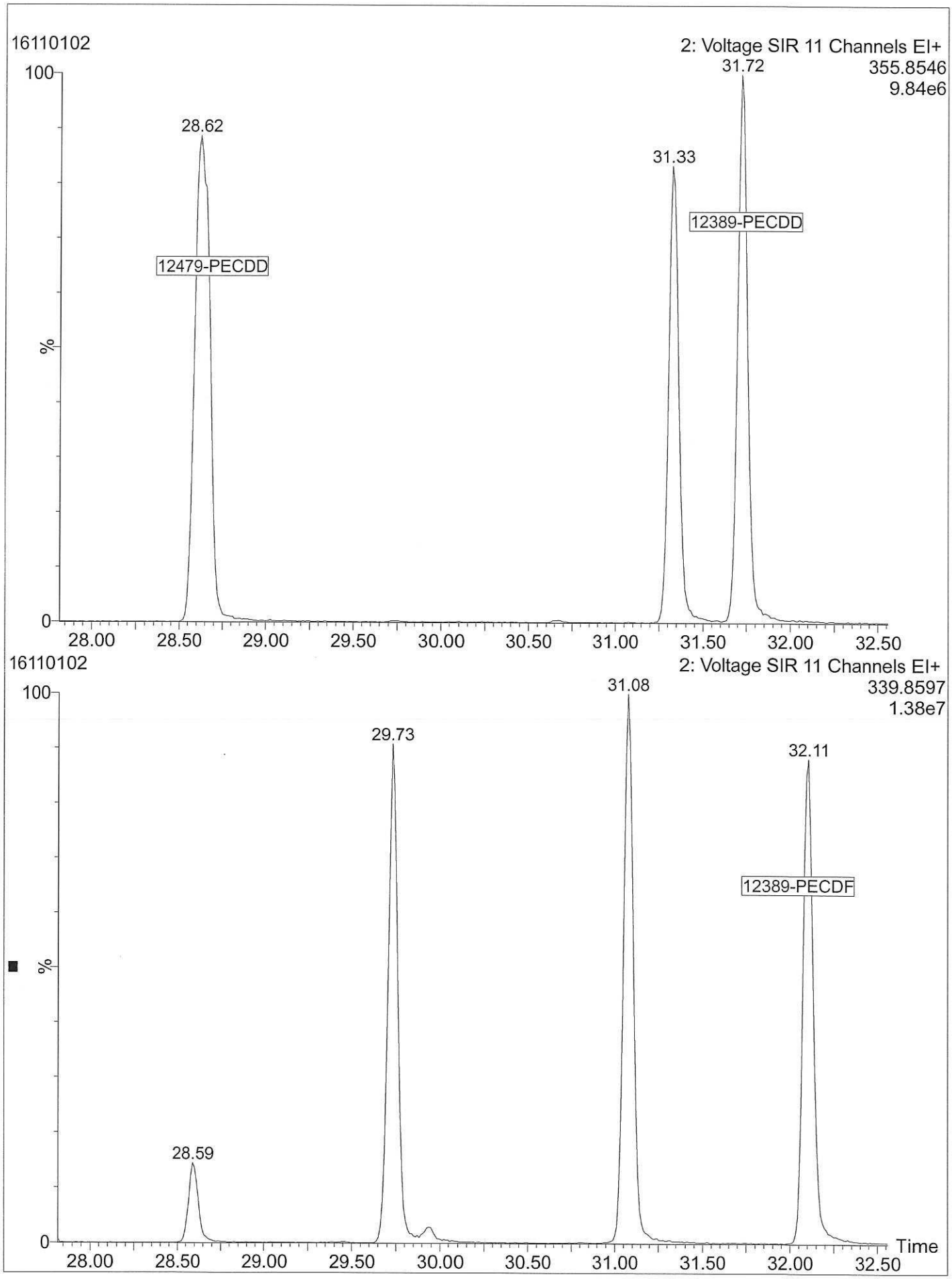
M 480.9696 R 12628

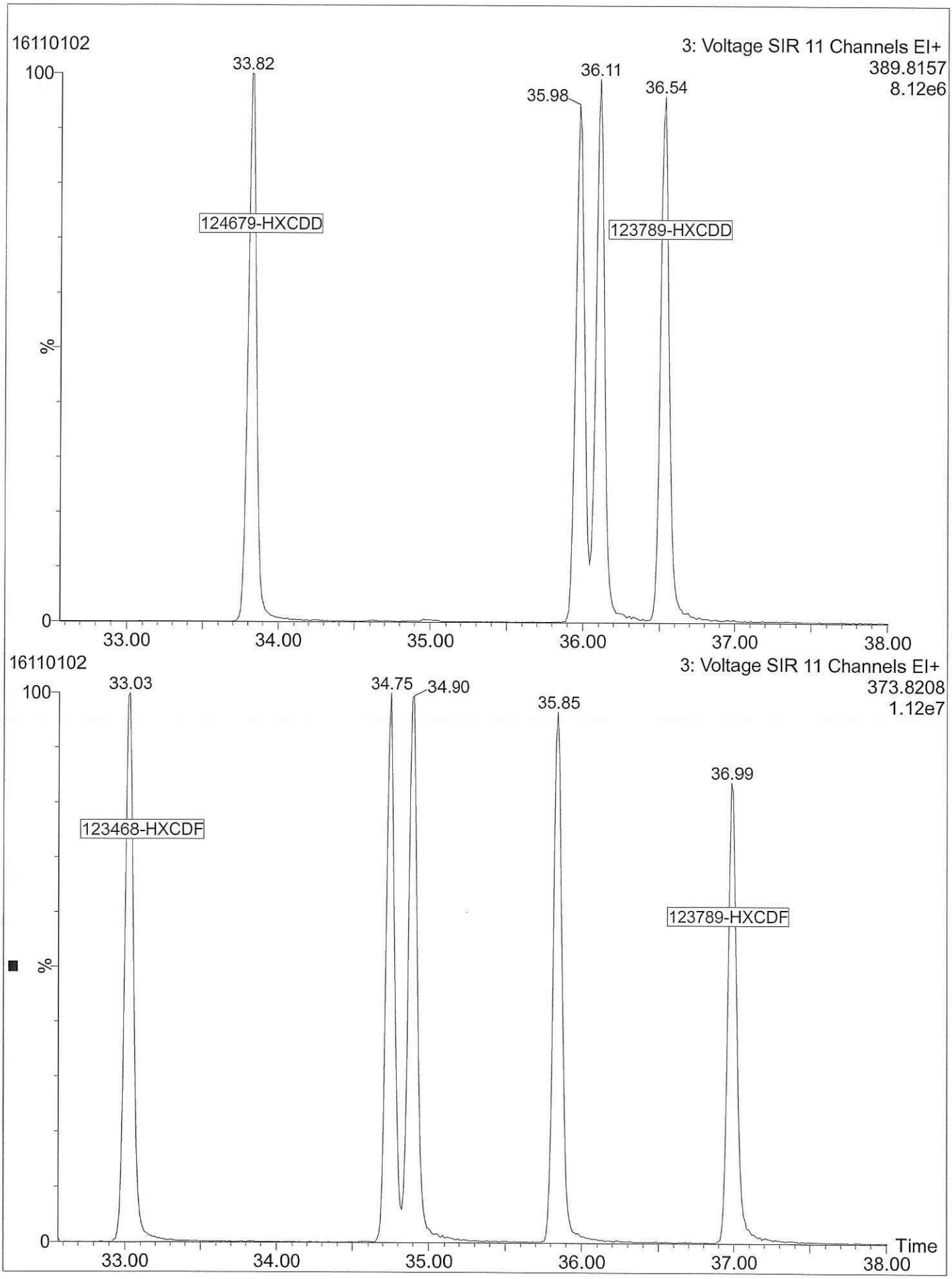


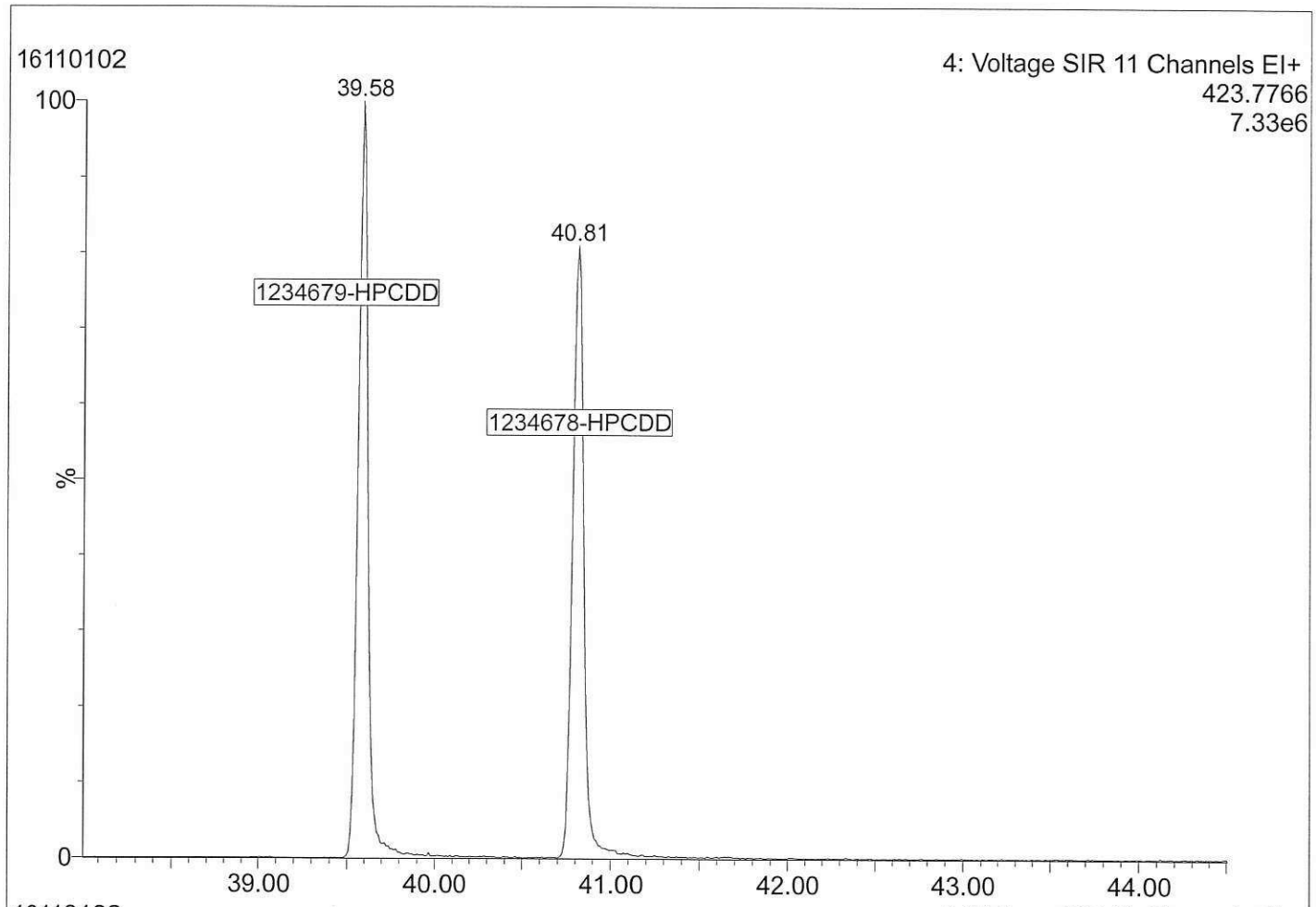
M 504.9696 R 12756

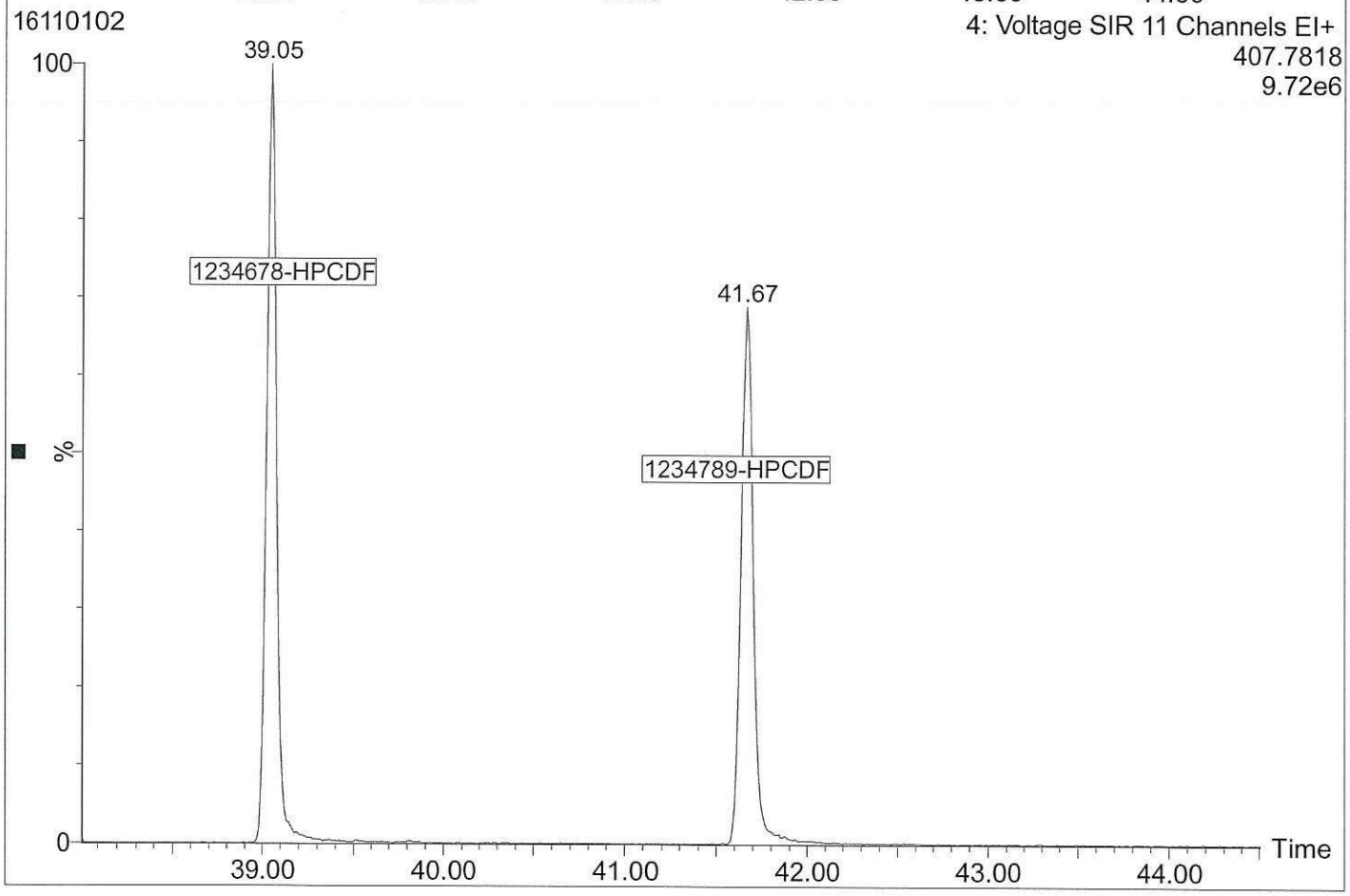


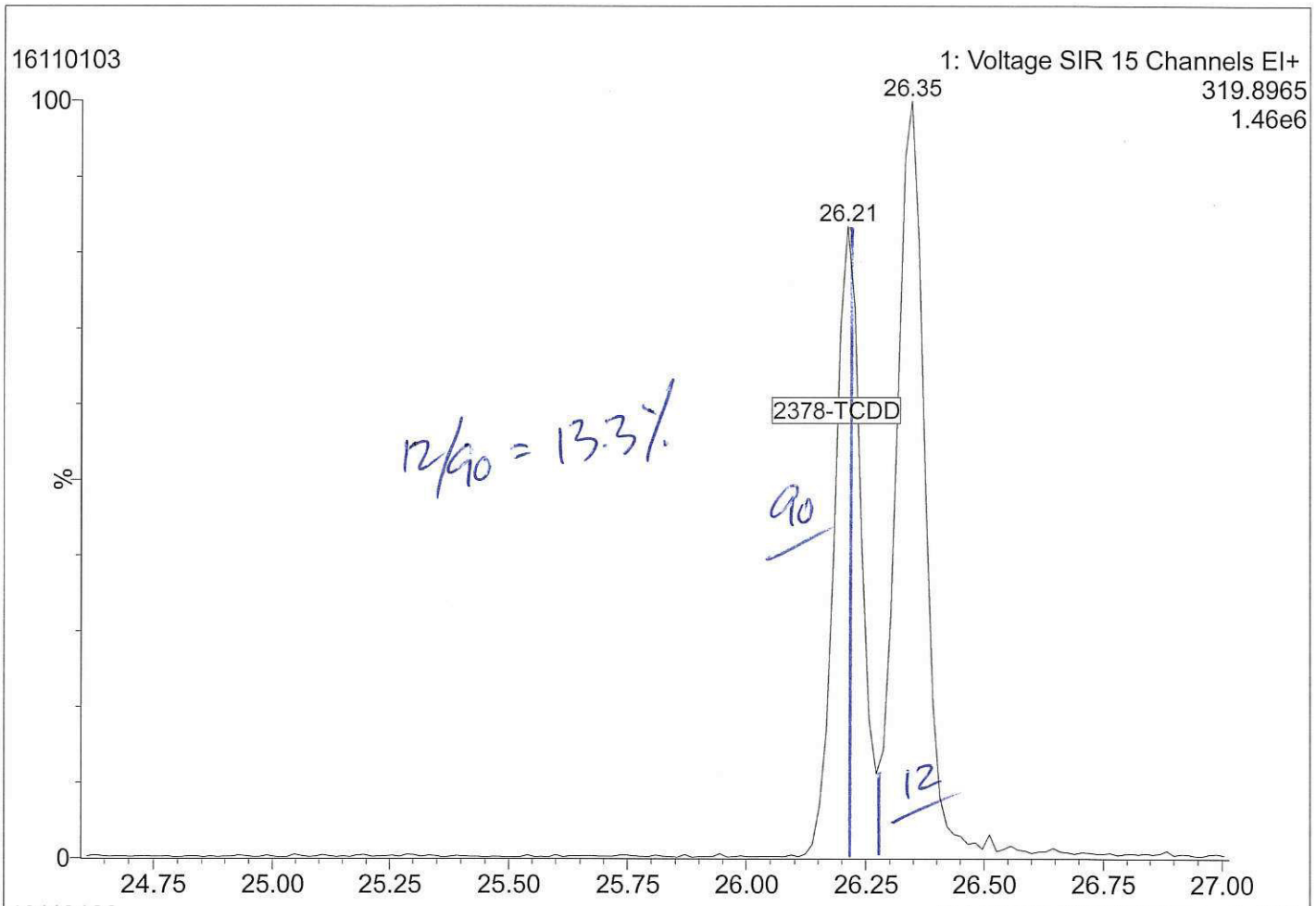

16110102
1: Voltage SIR 15 Channels EI+
319.8965
1.78e6
100
%
0
23.40
1368-TCDD
24.60
25.44
25.93
26.24
26.84
1289-TCDD
22.00
23.00
24.00
25.00
26.00
27.00
16110102
1: Voltage SIR 15 Channels EI+
303.9016
2.63e6
100
%
0
22.13
1368-TCDF
25.60
27.09
1289-TCDF
22.00
23.00
24.00
25.00
26.00
27.00
16110102
1: Voltage SIR 15 Channels EI+
339.8597
1.68e7
100
%
0
26.94
13468-PECDF
Time
22.00
23.00
24.00
25.00
26.00
27.00

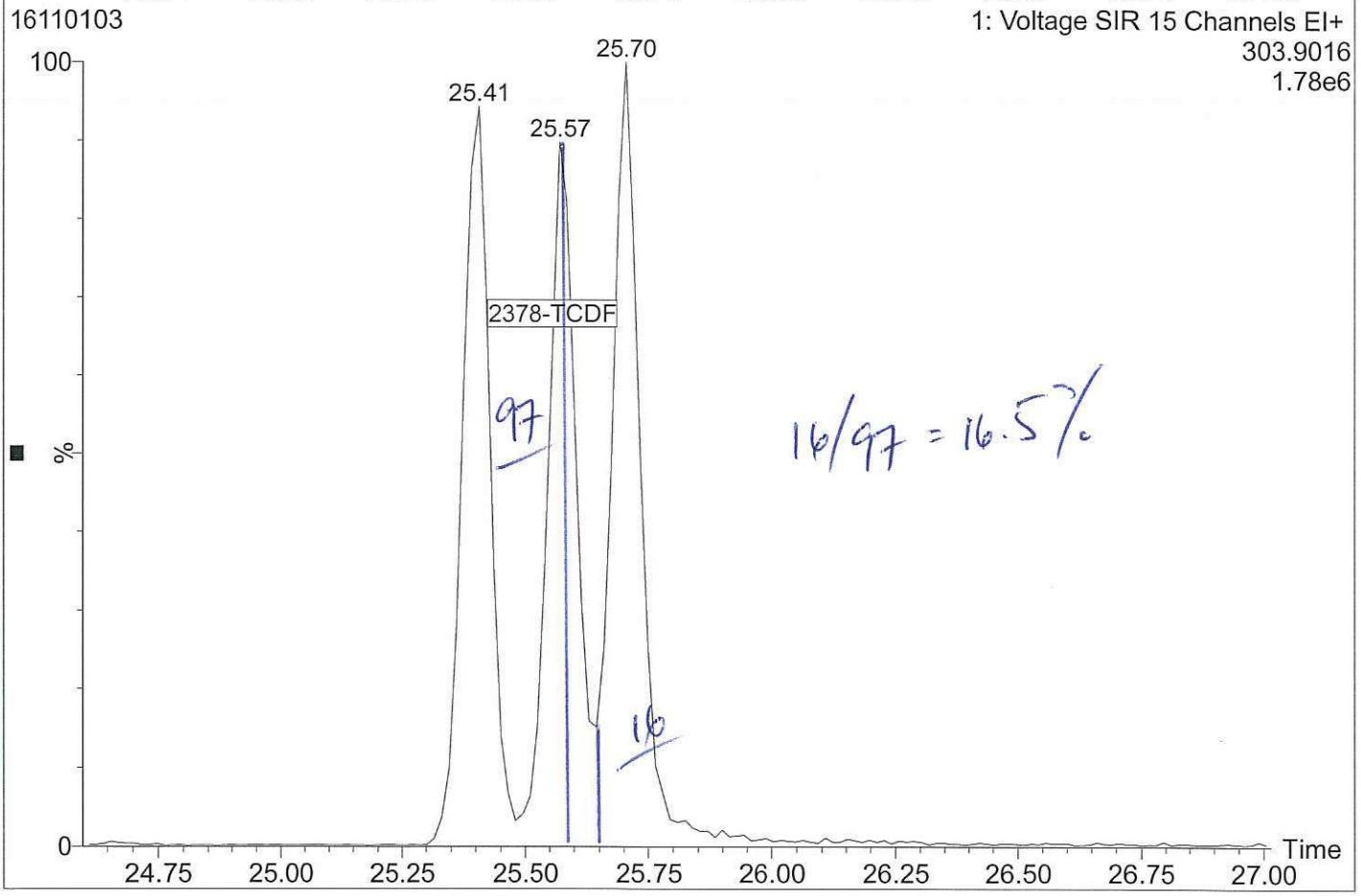

16110102
2: Voltage SIR 11 Channels EI+
355.8546
9.84e6
100
28.62
31.72
31.33
12389-PECDD
12479-PECDD
%
0
28.00
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50
16110102
2: Voltage SIR 11 Channels EI+
339.8597
1.38e7
100
31.08
29.73
32.11
12389-PECDF
%
28.59
0
Time
28.00
28.50
29.00
29.50
30.00
30.50
31.00
31.50
32.00
32.50


16110102
3: Voltage SIR 11 Channels EI+
389.8157
8.12e6
100
%
0
33.82
35.98
36.11
36.54
124679-HXCDD
123789-HXCDD
33.00
34.00
35.00
36.00
37.00
38.00
16110102
3: Voltage SIR 11 Channels EI+
373.8208
1.12e7
100
%
0
33.03
34.75
34.90
35.85
36.99
123468-HXCDF
123789-HXCDF
Time
33.00
34.00
35.00
36.00
37.00
38.00


16110102
4: Voltage SIR 11 Channels EI+
423.7766
7.33e6
100
39.58
40.81
1234679-HPCDD
1234678-HPCDD
%
0
39.00
40.00
41.00
42.00
43.00
44.00


16110102
4: Voltage SIR 11 Channels EI+
407.7818
9.72e6
100
39.05
1234678-HPCDF
41.67
1234789-HPCDF
%
0
Time
39.00
40.00
41.00
42.00
43.00
44.00


16110103
1: Voltage SIR 15 Channels EI+
319.8965
1.46e6
26.35
26.21
2378-TCDD
12/90 = 13.3%
90
12
100
%
0
24.75
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00


16110103
1: Voltage SIR 15 Channels EI+
303.9016
1.78e6
25.70
25.41
25.57
2378-TCDF
97
16/97 = 16.5%
16
100
%
0
Time
24.75
25.00
25.25
25.50
25.75
26.00
26.25
26.50
26.75
27.00

CONTINUING CALIBRATION CHECK
EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Instrument ID:	AUTOSPEC01	Calibration:	ZE00016
Lab File ID:	16110114	Calibration Date:	05/10/16 15:20
Sequence:	SEJ0462	Injection Date:	11/01/16
Lab Sample ID:	SEJ0462-CCV1	Injection Time:	21:14
Sequence Name:	CS302		

		CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	10.0	0.9347915	0.9391348		0.5	16
2,3,7,8-TCDD	A	10.000	10.5	1.1339650	1.1917130		5.1	22
1,2,3,7,8-PeCDF	A	50.000	48.3	0.9519161	0.9199153		-3.4	18
2,3,4,7,8-PeCDF	A	50.000	51.1	0.9629117	0.9847395		2.3	18
1,2,3,7,8-PeCDD	A	50.000	50.4	0.9753974	0.9825956		0.7	22
1,2,3,4,7,8-HxCDF	A	50.000	51.2	1.1365470	1.1641960		2.4	10
1,2,3,6,7,8-HxCDF	A	50.000	50.3	1.0987420	1.1049690		0.6	12
2,3,4,6,7,8-HxCDF	A	50.000	51.6	1.1635040	1.2004690		3.2	12
1,2,3,7,8,9-HxCDF	A	50.000	51.0	1.1008210	1.1219300		1.9	10
1,2,3,4,7,8-HxCDD	A	50.000	48.3	1.0311670	0.9970206		-3.3	22
1,2,3,6,7,8-HxCDD	A	50.000	51.9	0.9714371	1.0082090		3.8	22
1,2,3,7,8,9-HxCDD	A	50.000	52.8	0.9950452	1.0167490		5.7	18
1,2,3,4,6,7,8-HpCDF	A	50.000	48.1	1.3027890	1.2521720		-3.9	10
1,2,3,4,7,8,9-HpCDF	A	50.000	49.2	1.3173610	1.2967800		-1.6	14
1,2,3,4,6,7,8-HpCDD	A	50.000	49.9	1.0280160	1.0262310		-0.2	14
OCDF	A	100.00	101	1.1658070	1.1770860		1.0	37
OCDD	A	100.00	89.3	1.1070210	0.9885574		-10.7	21
13C12-2,3,7,8-TCDF	A	100.00	100	1.5674190	1.5674523		0.002	29
13C12-2,3,7,8-TCDD	A	100.00	101	0.9077481	0.9170418		1.0	18
13C12-1,2,3,7,8-PeCDF	A	100.00	102	1.2740970	1.2940044		1.6	24
13C12-2,3,4,7,8-PeCDF	A	100.00	107	1.2346260	1.3162681		6.6	23
13C12-1,2,3,7,8-PeCDD	A	100.00	107	0.7557554	0.8121625		7.5	38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	91.7	1.3809190	1.2658959		-8.3	24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	88.4	1.5694530	1.3873120		-11.6	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	90.8	1.3453300	1.2216361		-9.2	27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	94.6	1.1828950	1.1194251		-5.4	26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	97.2	1.0559040	1.0267895		-2.8	15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	91.2	1.1630360	1.0603304		-8.8	15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	90.1	1.1783620	1.0619563		-9.9	22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	97.5	0.8777992	0.8557445		-2.5	23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	101	0.9091061	0.9158712		0.7	18
13C12-OCDD	A	200.00	196	0.8195753	0.8028312		-2.0	52
37C14-2,3,7,8-TCDD	A	10.000	10.5	1.0665580	1.1167829		4.7	

* Values outside of QC limits

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: C:\MassLynx\Dioxin.pro\161101DATA2.qld
Last Altered: Wednesday, November 02, 2016 10:58:20 Pacific Daylight Time
Printed: Wednesday, November 02, 2016 10:59:24 Pacific Daylight Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin161007.mdb 07 Oct 2016 14:10:52
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	25.540	1.001	1.29e5	1.66e5	0.935	0.777	0.770	1426	2446	1.75e6	2.36e6	1229.1	NO	10.046
12378-PeCDF	29.675	1.000	7.22e5	4.71e5	0.952	1.535	1.550	3396	2751	1.07e7	6.71e6	3138.0	NO	48.319
23478-PeCDF	31.023	1.000	7.93e5	5.06e5	0.963	1.566	1.550	3396	2751	1.16e7	7.42e6	3408.0	NO	51.133
123478-HxCDF	34.695	1.001	6.41e5	5.10e5	1.137	1.257	1.240	4353	3598	9.45e6	7.50e6	2170.7	NO	51.216
234678-HxCDF	35.791	1.001	6.28e5	5.16e5	1.164	1.218	1.240	4353	3598	8.99e6	7.41e6	2064.7	NO	51.589
123678-HxCDF	34.848	1.001	6.66e5	5.31e5	1.099	1.254	1.240	4353	3598	9.48e6	7.49e6	2177.4	NO	50.283
123789-HxCDF	36.941	1.001	5.41e5	4.39e5	1.101	1.231	1.240	4353	3598	7.88e6	6.32e6	1809.6	NO	50.959
1234678-HpCDF	39.002	1.001	5.24e5	5.14e5	1.303	1.020	1.050	2753	2374	7.66e6	7.52e6	2783.2	NO	48.057
1234789-HpCDF	41.621	1.000	4.40e5	4.26e5	1.317	1.034	1.050	2753	2374	5.68e6	5.52e6	2064.0	NO	49.219
OCDF	46.729	1.006	6.97e5	7.78e5	1.166	0.897	0.890	3057	2728	7.09e6	7.98e6	2320.7	NO	100.967
2378-TCDD	26.183	1.001	9.73e4	1.22e5	1.134	0.799	0.770	1548	1737	1.36e6	1.72e6	880.3	NO	10.509
12378-PeCDD	31.275	1.001	4.85e5	3.15e5	0.975	1.541	1.550	2911	3916	7.08e6	4.61e6	2431.7	NO	50.369
123478-HxCDD	35.933	1.001	4.45e5	3.54e5	1.031	1.257	1.240	3156	2507	6.67e6	5.31e6	2112.2	NO	48.344
123678-HxCDD	36.054	1.000	4.72e5	3.63e5	0.971	1.299	1.240	3156	2507	6.85e6	5.37e6	2170.5	NO	51.893
123789-HxCDD	36.481	1.012	4.46e5	3.68e5	0.947	1.212	1.240	3156	2507	6.68e6	5.45e6	2117.8	NO	52.835
1234678-HpCDD	40.767	1.000	3.76e5	3.58e5	1.028	1.049	1.050	2392	2275	5.05e6	4.98e6	2110.8	NO	49.913
OCDD	46.460	1.000	5.79e5	6.60e5	1.107	0.878	0.890	1730	1659	6.12e6	7.00e6	3536.0	NO	89.299
13C-2378-TCDF	25.525	1.007	1.37e6	1.77e6	1.567	0.778	0.770	6187	4456	1.96e7	2.53e7	3168.0	NO	100.002
13C-12378-PeCDF	29.664	1.170	1.58e6	1.02e6	1.274	1.547	1.550	2938	3287	2.26e7	1.45e7	7700.6	NO	101.563
13C-23478-PeCDF	31.012	1.223	1.61e6	1.02e6	1.235	1.574	1.550	2938	3287	2.30e7	1.46e7	7830.7	NO	106.613
13C-123478-HxCDF	34.673	0.951	6.76e5	1.30e6	1.381	0.520	0.510	3333	4220	9.91e6	1.90e7	2973.4	NO	91.671
13C-123678-HxCDF	34.826	0.955	7.31e5	1.43e6	1.569	0.510	0.510	3333	4220	1.05e7	2.01e7	3152.8	NO	88.395
13C-234678-HxCDF	35.769	0.981	6.51e5	1.26e6	1.345	0.519	0.510	3333	4220	9.60e6	1.83e7	2879.9	NO	90.806
13C-123789-HxCDF	36.919	1.012	5.98e5	1.15e6	1.183	0.520	0.510	3333	4220	8.72e6	1.68e7	2616.2	NO	94.634
13C-1234678-HpCDF	38.980	1.069	5.14e5	1.14e6	1.178	0.449	0.440	2074	3263	7.62e6	1.70e7	3675.8	NO	90.121
13C-1234789-HpCDF	41.600	1.141	4.17e5	9.18e5	0.878	0.454	0.440	2074	3263	5.36e6	1.19e7	2582.5	NO	97.488
13C-1234-TCDD	25.361	0.000	8.84e5	1.12e6	1.000	0.789	0.770	4359	2276	1.25e7	1.57e7	2865.6	NO	100.000
13C-2378-TCDD	26.168	1.032	8.07e5	1.03e6	0.908	0.782	0.770	4359	2276	1.13e7	1.43e7	2588.7	NO	101.024
13C-12378-PeCDD	31.253	1.232	9.88e5	6.40e5	0.756	1.543	1.550	1305	1029	1.43e7	9.34e6	10976.0	NO	107.464
13C-123478-HxCDD	35.911	0.985	8.93e5	7.09e5	1.056	1.260	1.240	2446	2310	1.33e7	1.07e7	5449.1	NO	97.243
13C-123678-HxCDD	36.043	0.988	9.26e5	7.29e5	1.163	1.270	1.240	2446	2310	1.37e7	1.08e7	5620.6	NO	91.169
13C-1234678-HpCDD	40.745	1.117	7.38e5	6.91e5	0.909	1.068	1.050	2591	2481	1.02e7	9.65e6	3920.3	NO	100.744
13C-OCDD	46.442	1.273	1.18e6	1.32e6	0.820	0.892	0.890	2531	6171	1.21e7	1.35e7	4796.8	NO	195.914

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN909**
Dataset: C:\MassLynx\Dioxin.pro\161101DATA2.qld
Last Altered: Wednesday, November 02, 2016 10:58:20 Pacific Daylight Time
Printed: Wednesday, November 02, 2016 10:59:24 Pacific Daylight Time

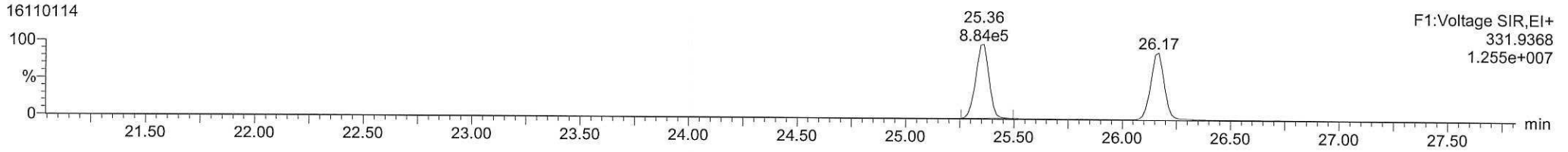
ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	36.470	0.000	8.65e5	6.96e5	1.000	1.243	1.240	2446	2310	1.28e7	1.03e7	5226.4	NO	100.000
Total-tetrafurans			4.29e5		0.935			1426		5.94e6				33.033
Total-penta1			9.92e5					806		1.45e7				67.935
Total-pentafurans			2.40e6		0.957			3396		3.48e7				157.336
Total-hexafurans			3.13e6		1.125			4353		4.53e7				257.947
Total-heptafurans			9.65e5		1.310			2753		1.34e7				97.385
Total-Furans			8.61e6		1.114			1426		1.21e8				714.612
Total-tetradioxins			5.12e5		1.134			1548		6.58e6				55.482
Total-pentadioxins			1.91e6		0.975			2911		2.37e7				198.491
Total-hexadioxins			1.86e6		0.983			3156		2.74e7				208.501
Total-heptadioxins			7.82e5		1.028			2392		1.09e7				104.588
Total-Dioxins			5.64e6		1.028			1548		7.48e7				656.361
Total-TEQ			1.43e7					1548		1.96e8				1370.973
37CL-2378-TCDD	26.183	1.032	2.24e5		1.067			2155		3.19e6		1480.0		10.471
FUNCTION1 PFK			7.19e5					481505		1.49e7				
FUNCTION2 PFK			1.92e5					147535		6.24e6				0.000
FUNCTION3 PFK			1.04e5					423409		2.83e6				0.000
FUNCTION4 PFK			2.39e5					325699		8.63e6				
FUNCTION5 PFK			2.70e5					273945		1.02e7				
FUNCTION1 HXCDPE			2.44e2					412		5.33e3				0.000
FUNCTION1 HPCDPE			1.22e3					915		2.52e4				0.000
FUNCTION2 HPCDPE			8.58e2					1134		1.65e4				0.000
FUNCTION3 OCDPE			0.00e0					392		0.00e0				
FUNCTION4 NCDPE			0.00e0					718		0.00e0				
FUNCTION5 DCDPE			0.00e0					418		0.00e0				

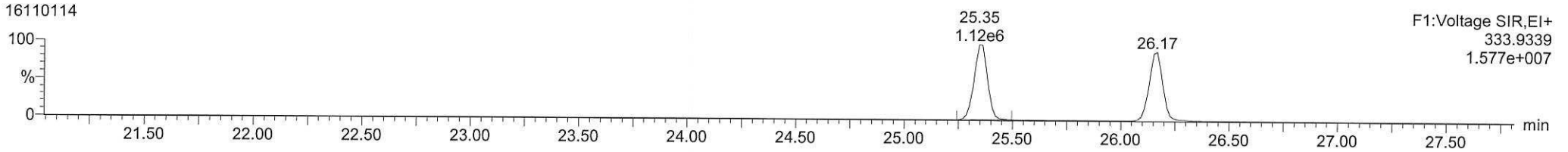
Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin161007.mdb 07 Oct 2016 14:10:52
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\160510ICAL.cdb 11 May 2016 09:28:40

ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

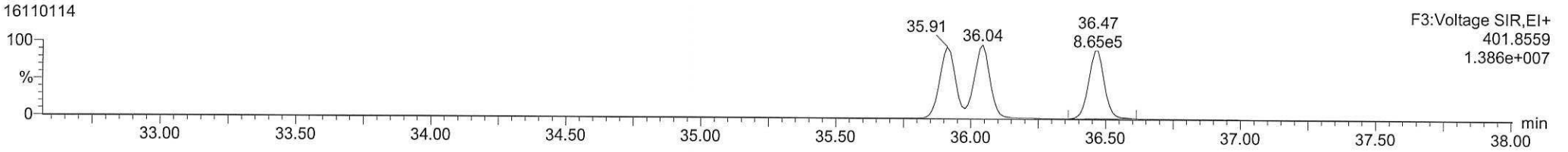
13C-1234-TCDD



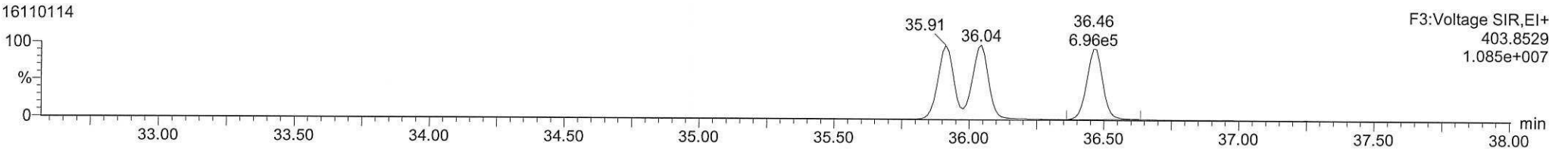
13C-1234-TCDD



13C-123789-HxCDD



13C-123789-HxCDD



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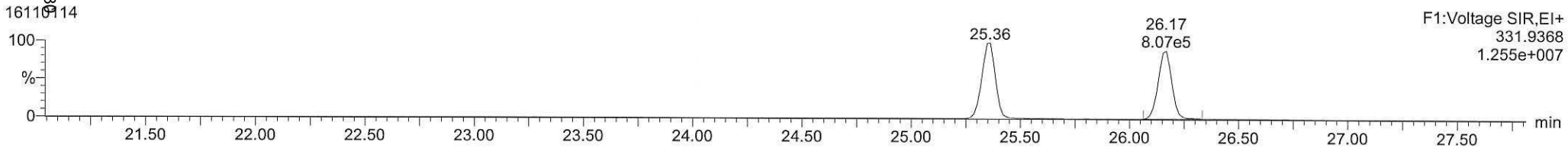
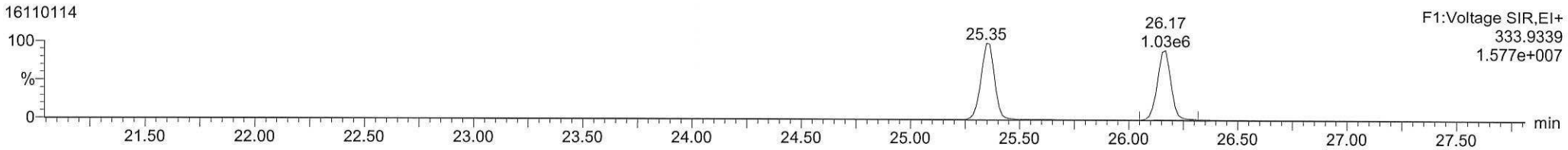
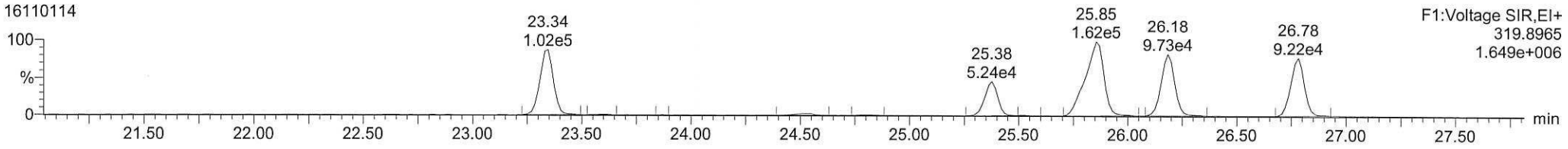
13C-2378-TCDD



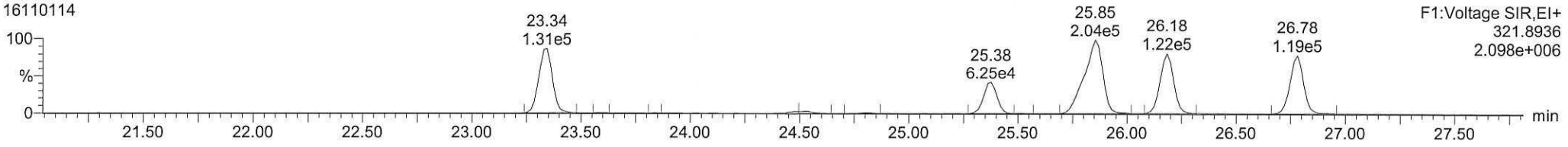
13C-2378-TCDD



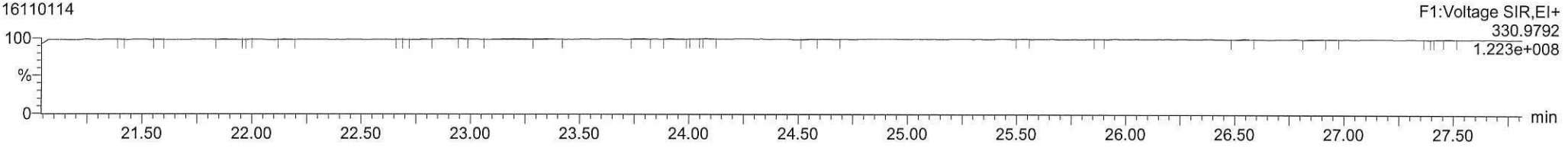
Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



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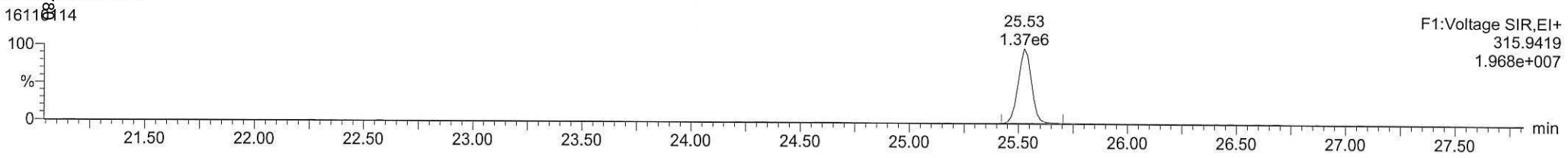
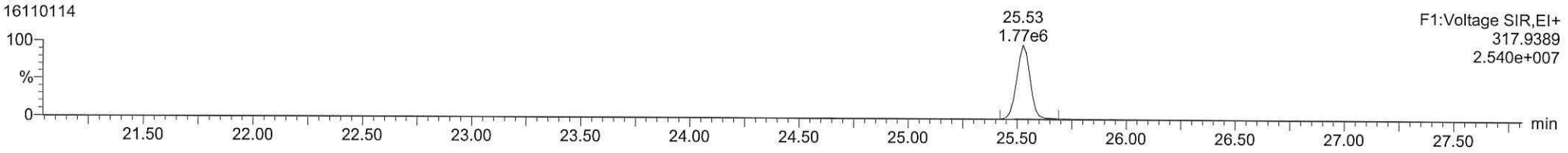
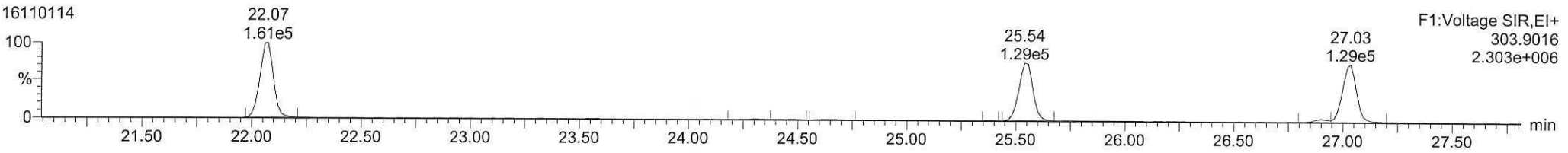
13C-2378-TCDF



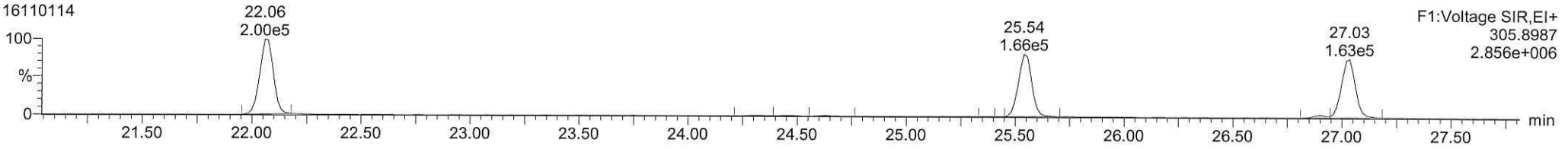
13C-2378-TCDF



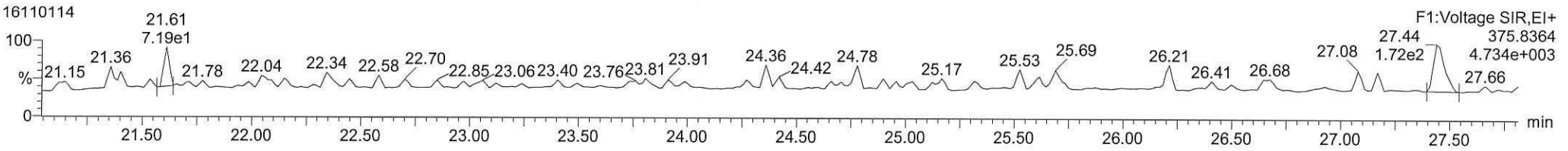
Total-tetrafurans



Total-tetrafurans

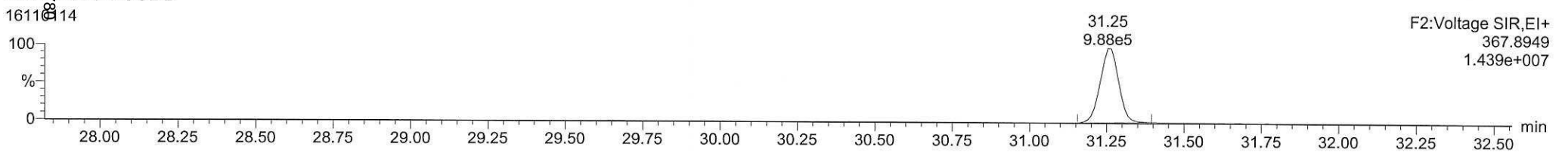


FUNCTION1 HXCDPE

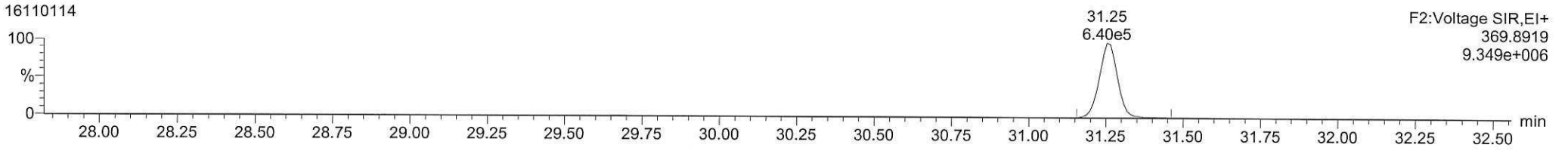


ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

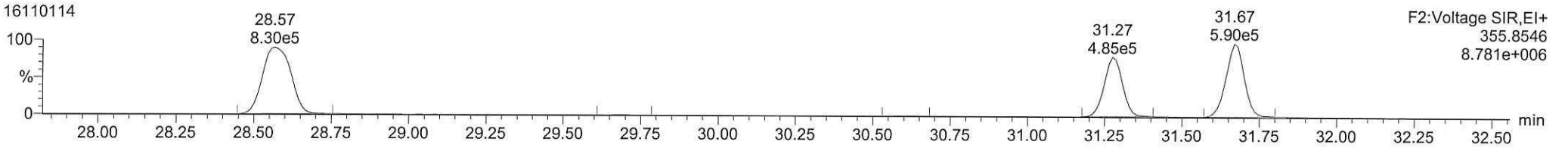
13C-12378-PeCDD



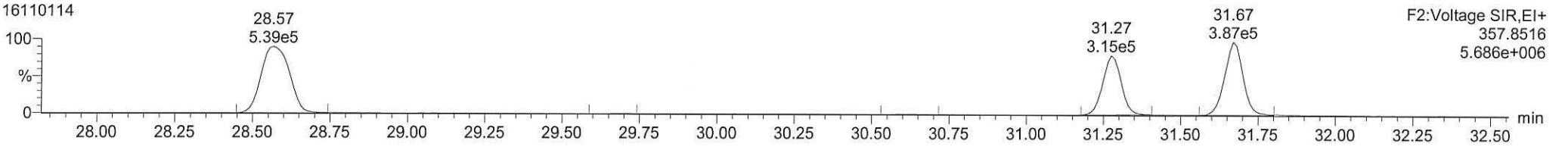
13C-12378-PeCDD



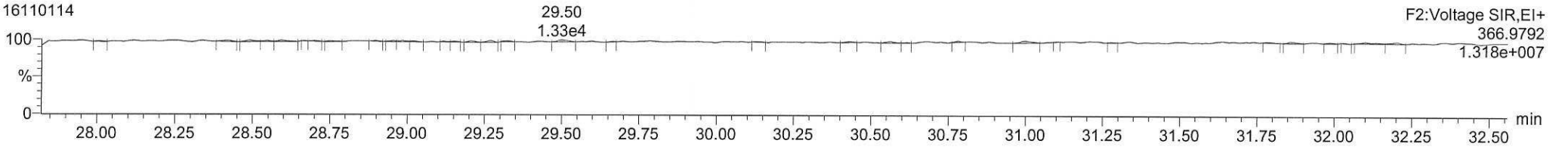
Total-pentadioxins



Total-pentadioxins

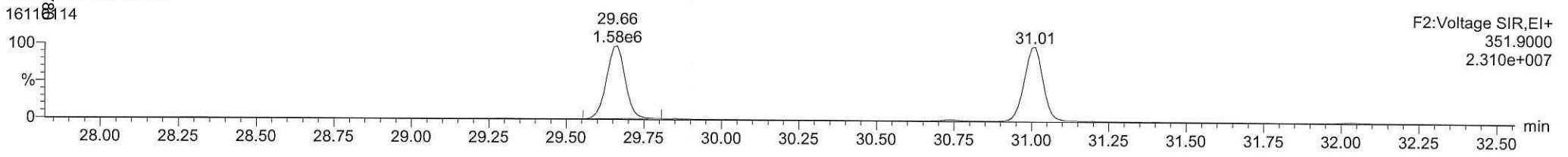


FUNCTION2 PFK



ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

13C-12378-PeCDF



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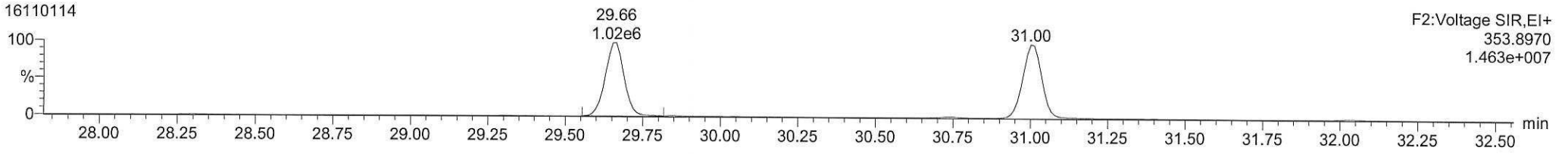
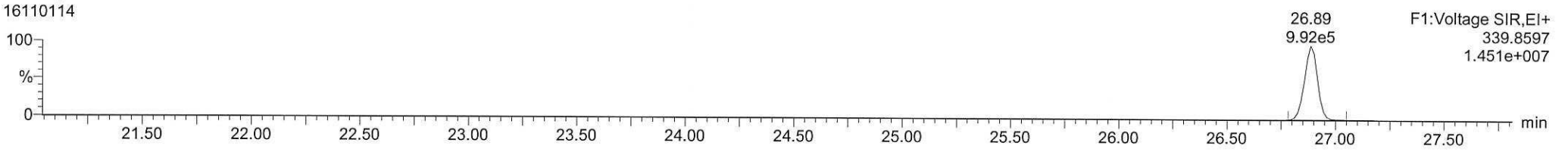
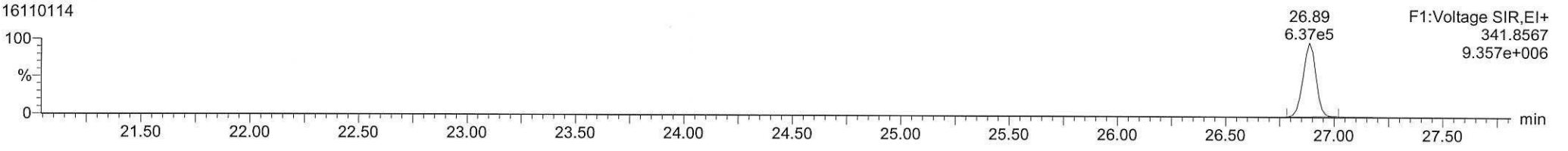


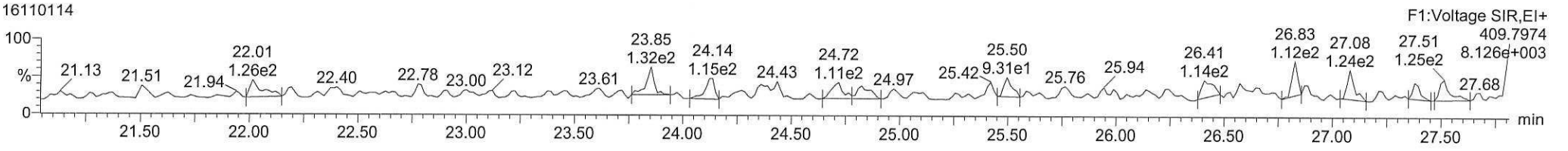
Total-penta1



Total-penta1

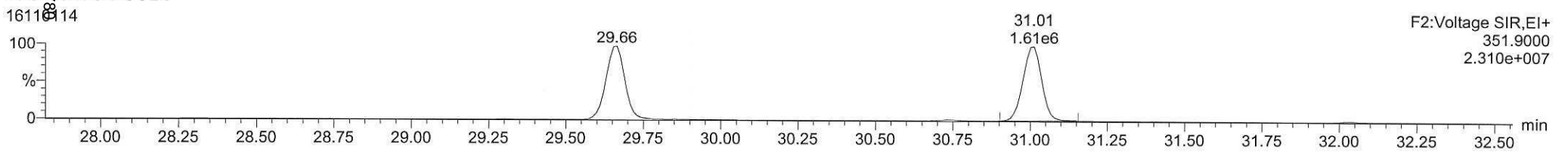


FUNCTION1 HPCDPE



ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

13C-23478-PeCDF



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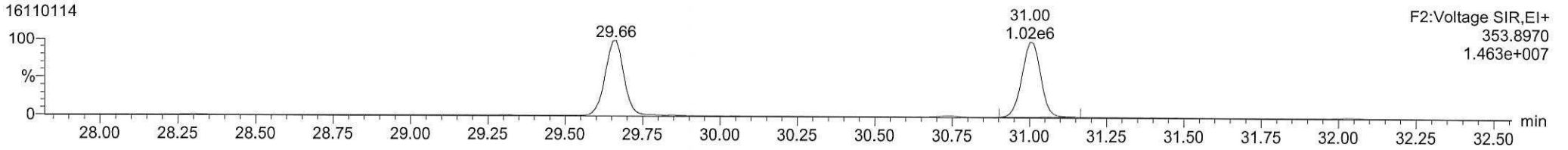
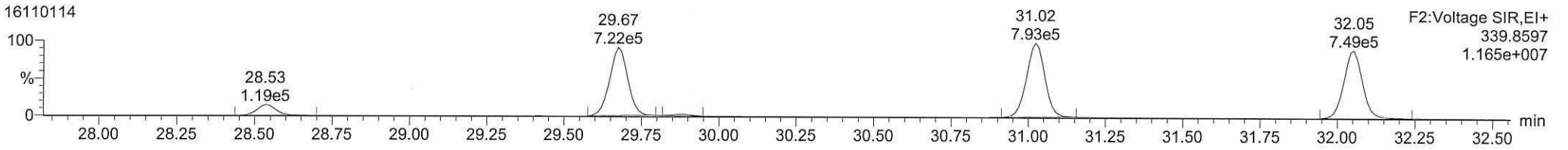
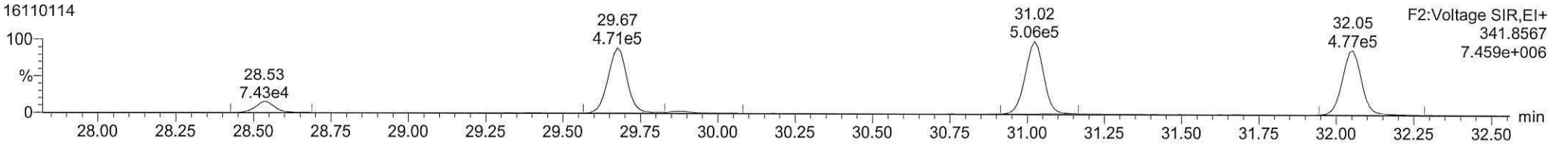


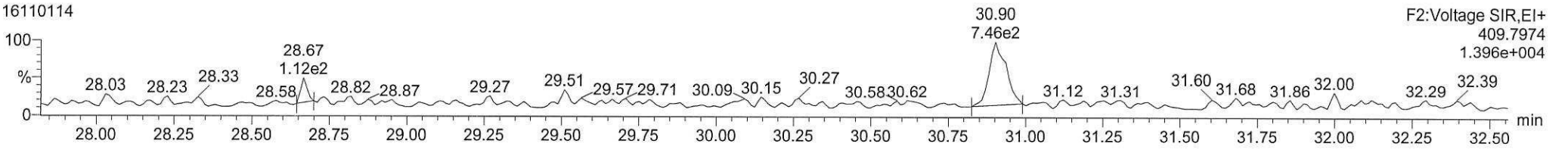
Total-pentafurans



Total-pentafurans

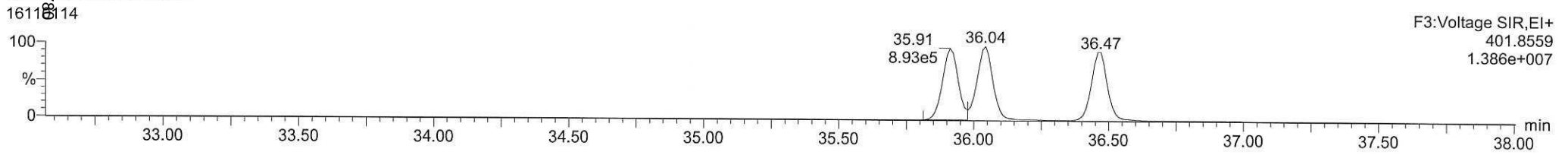


FUNCTION2 HPCDPE



ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

13C-123478-HxCDD



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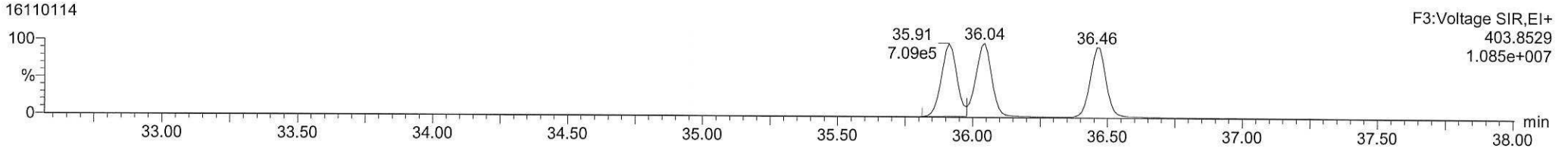
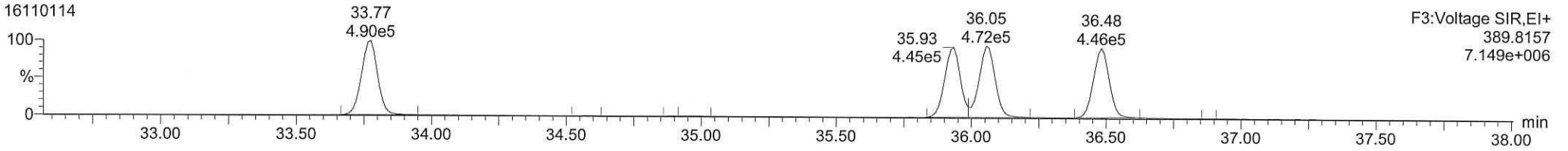
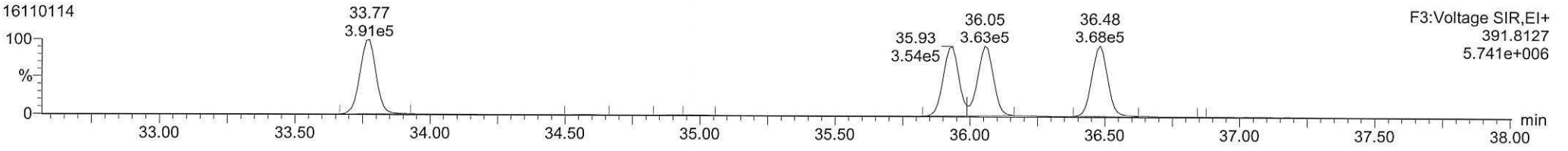


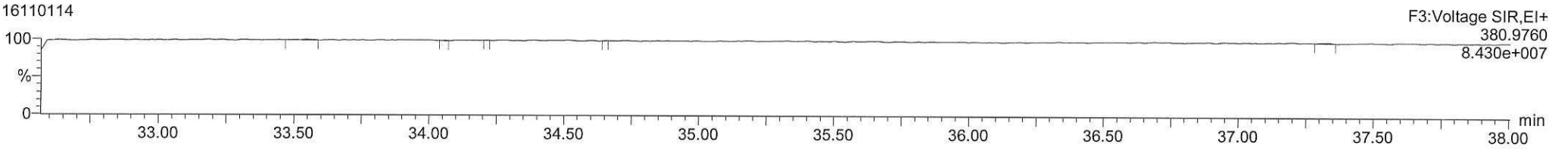
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



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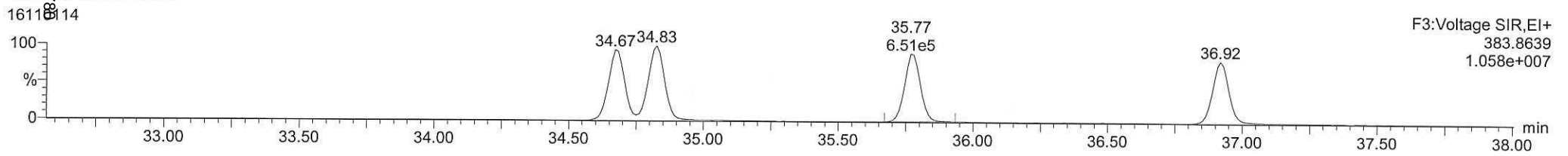
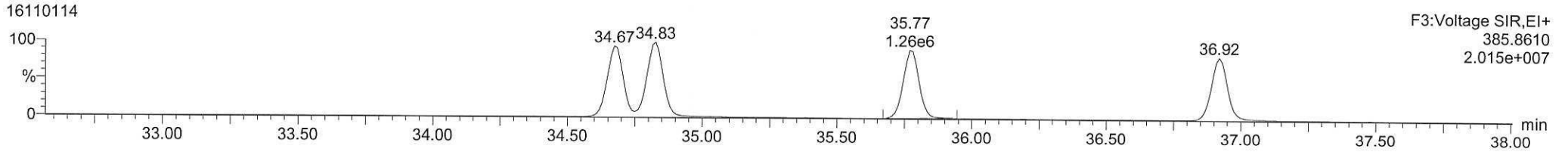
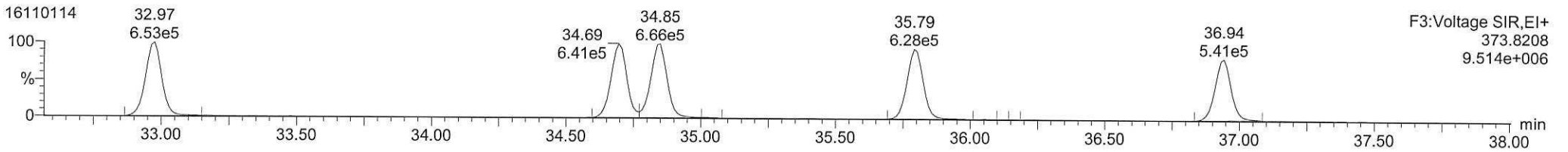
13C-234678-HxCDF



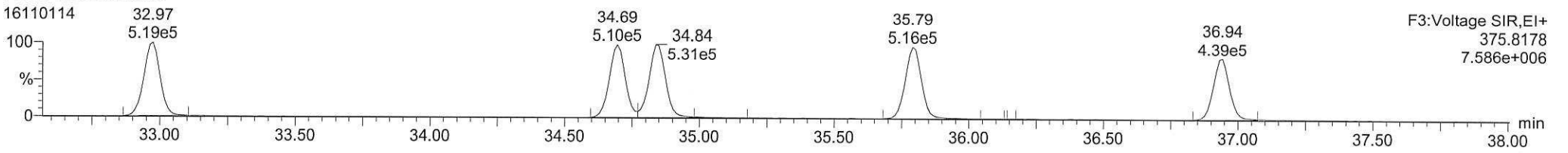
13C-234678-HxCDF



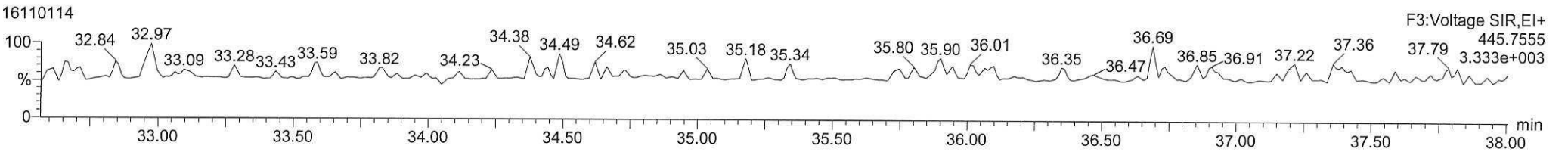
Total-hexafurans



Total-hexafurans

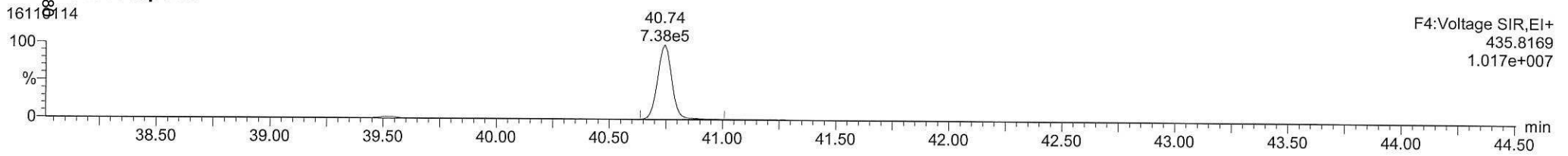


FUNCTION3 OCDPE

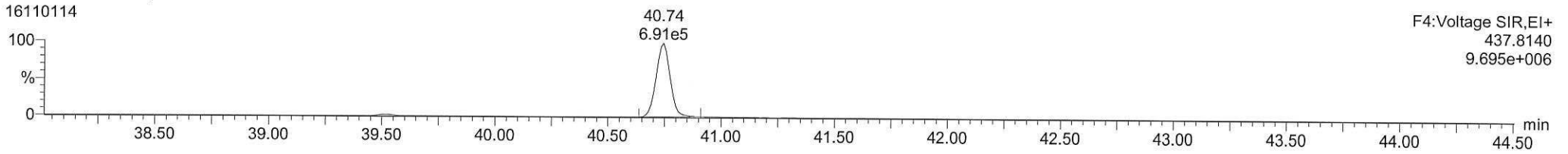


ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

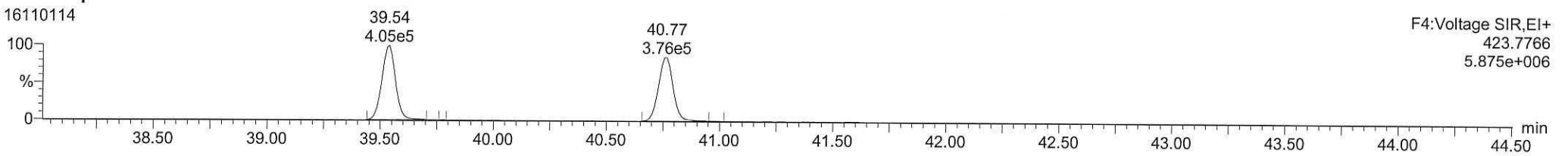
13C-1234678-HpCDD



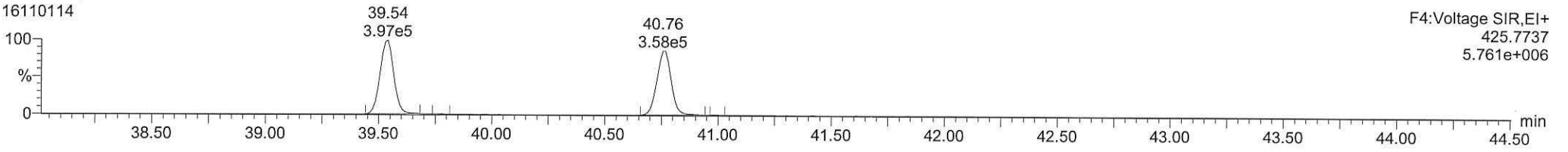
13C-1234678-HpCDD



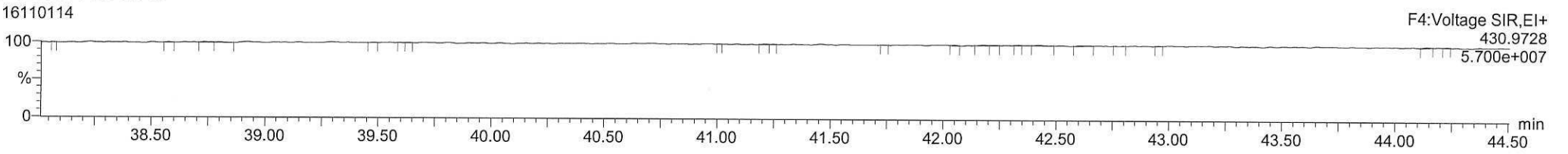
Total-heptadioxins



Total-heptadioxins

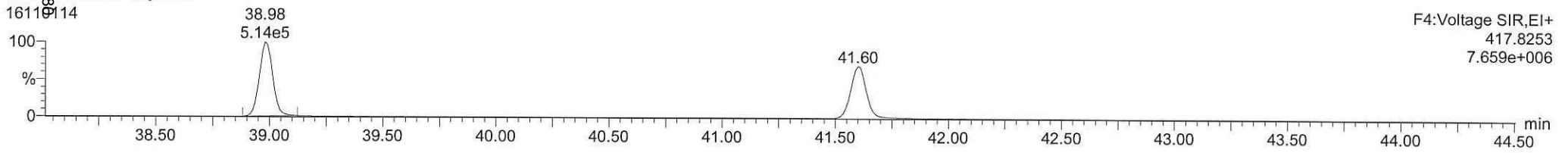


FUNCTION4 PFK

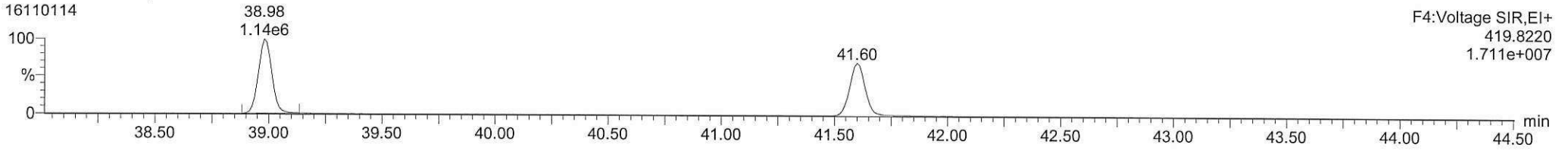


ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

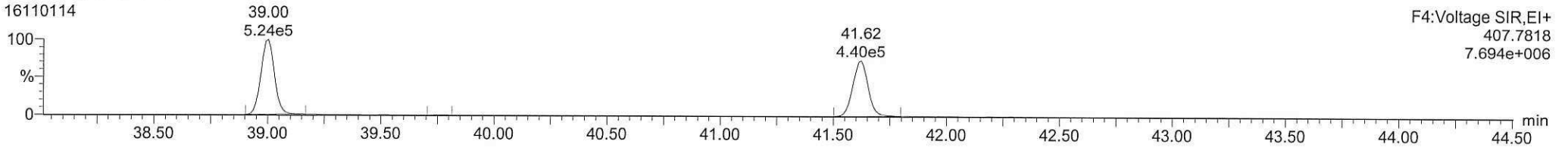
13C-1234678-HpCDF



13C-1234678-HpCDF



Total-heptafurans



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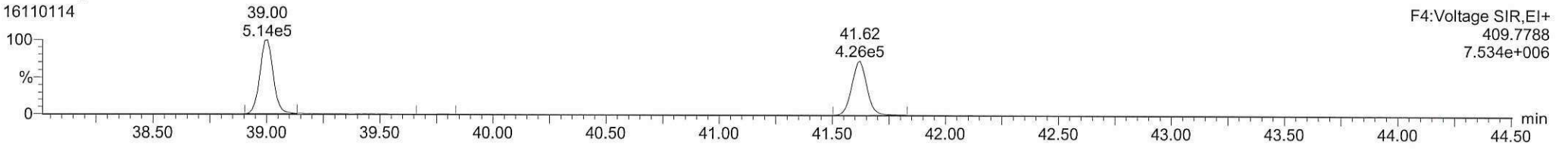
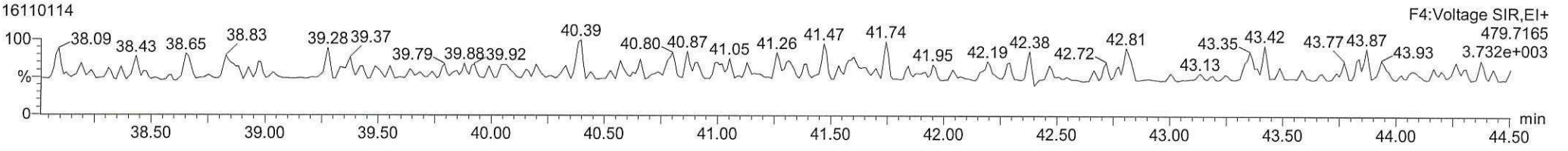
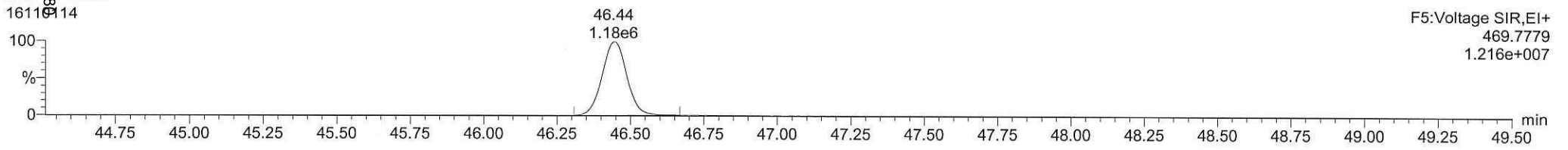


FUNCTION4 NCDPE

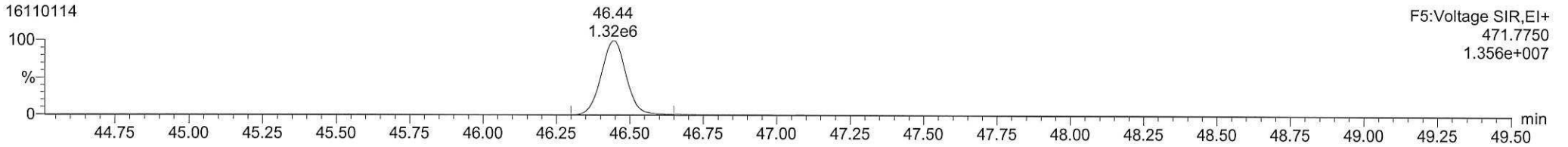


ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

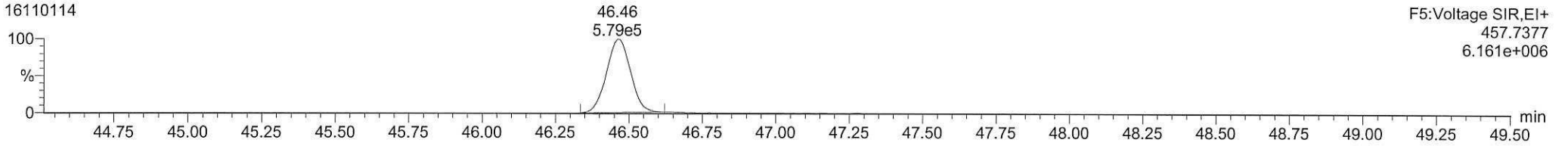
13C-OCDD



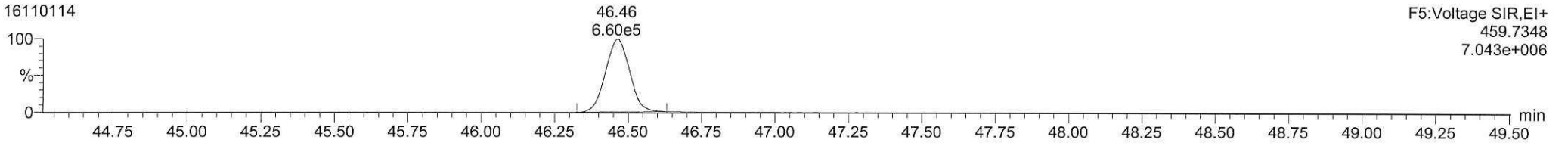
13C-OCDD



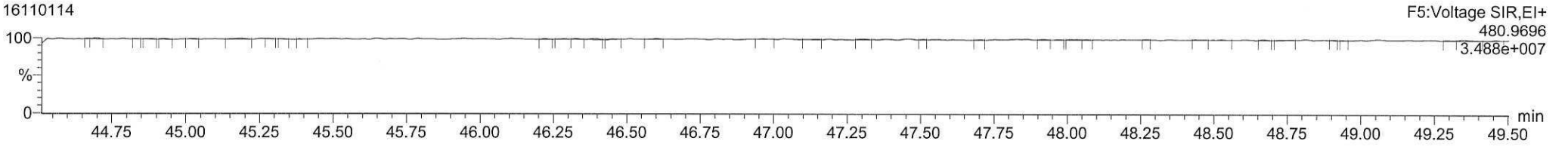
OCDD



OCDD

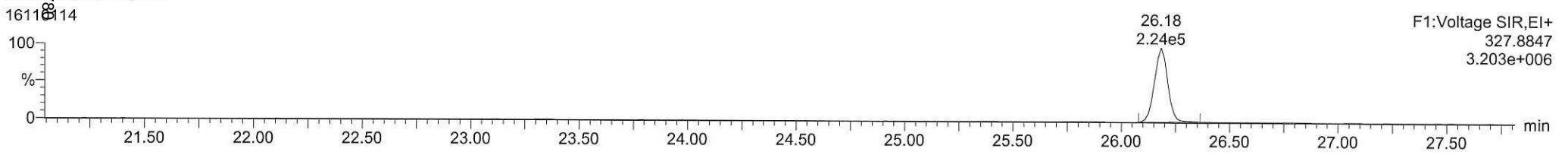


FUNCTION5 PFK

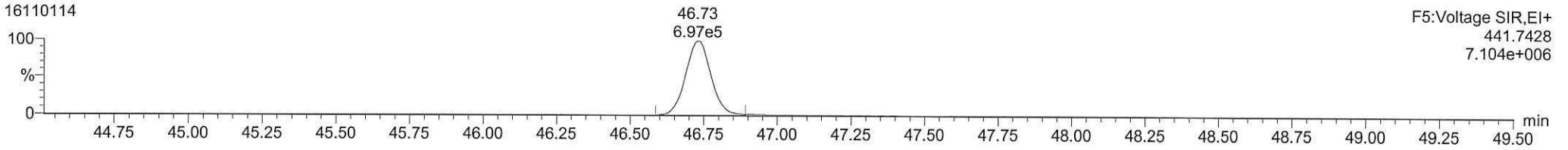


ID: CS302, Name: 16110114, Date: 01-Nov-2016, Time: 21:14:00, Conditions: AUTOSPEC01, User: PK

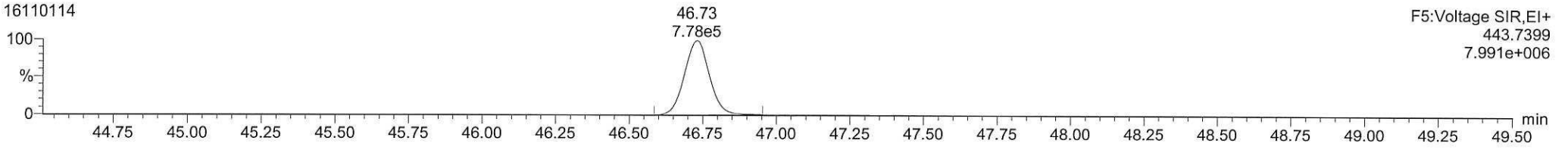
37CL-2378-TCDD



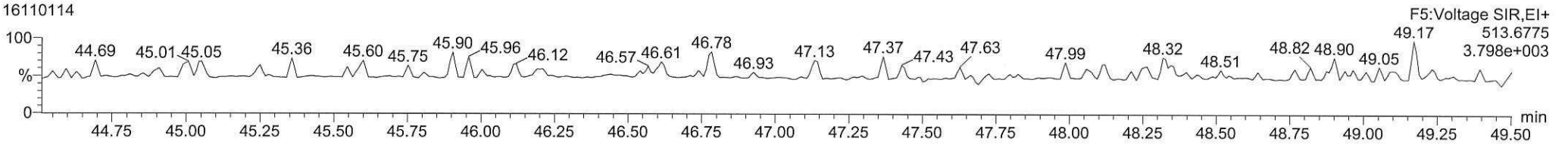
OCDF



OCDF



FUNCTION5 DCDPE



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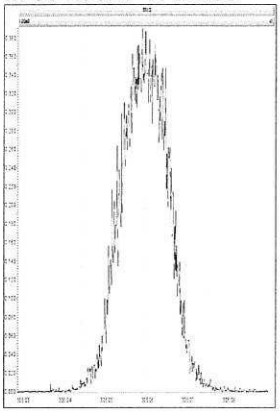
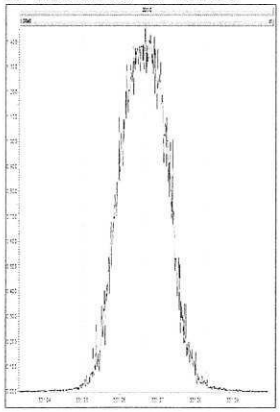
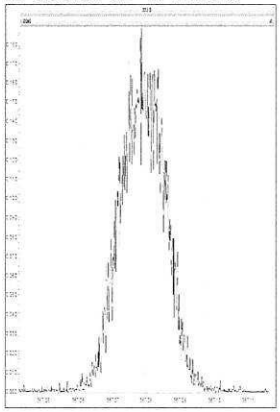
M 304.9824 R 12285



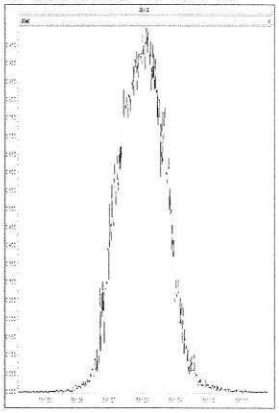
M 330.9792 R 12726



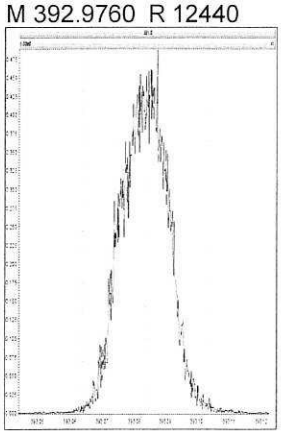
M 366.9792 R 12378



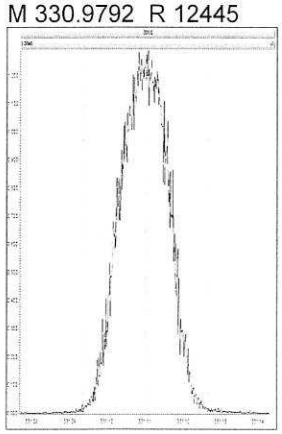
M 380.9760 R 12142



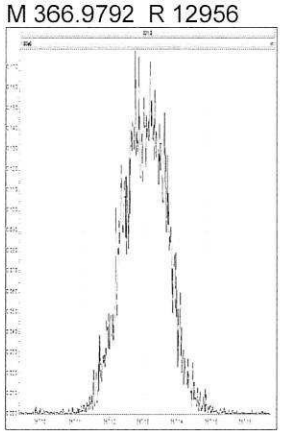
M 392.9760 R 12440



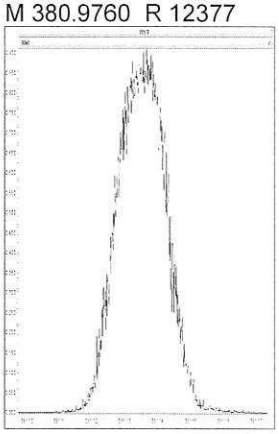
M 330.9792 R 12445



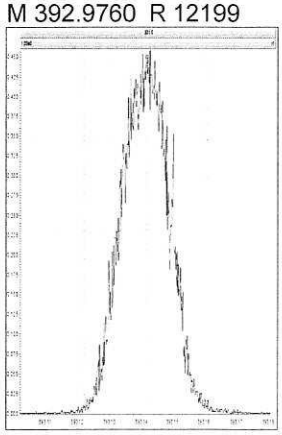
M 366.9792 R 12956



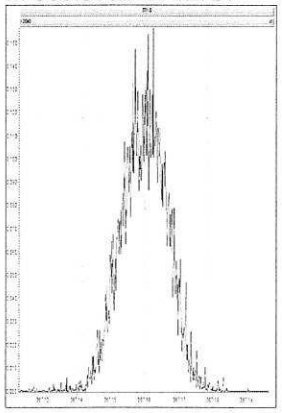
M 380.9760 R 12377



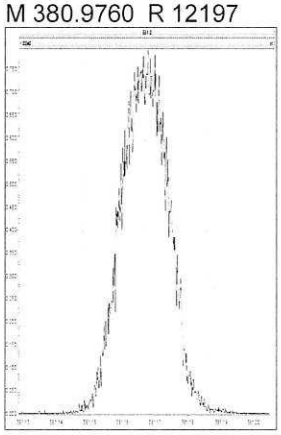
M 392.9760 R 12199



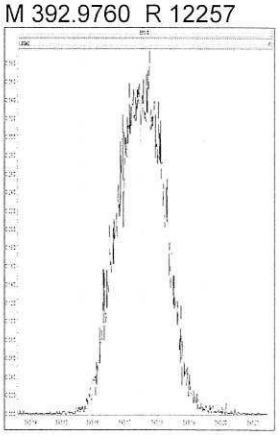
M 366.9792 R 12797



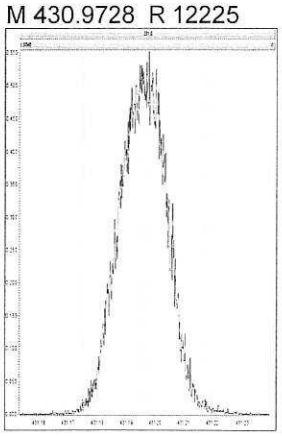
M 380.9760 R 12197



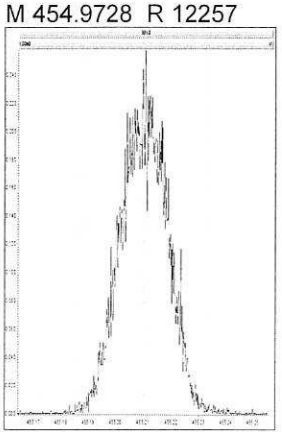
M 392.9760 R 12257



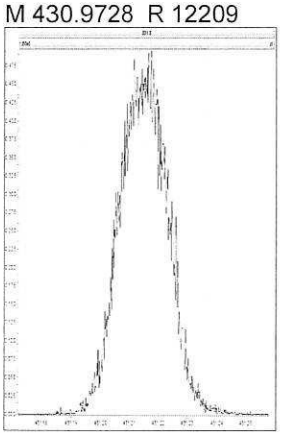
M 430.9728 R 12225



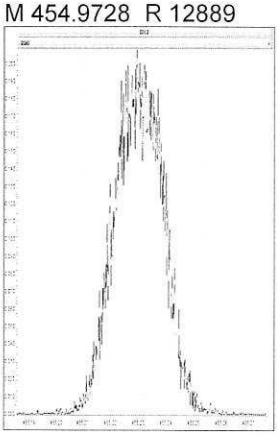
M 454.9728 R 12257



M 430.9728 R 12209



M 454.9728 R 12889



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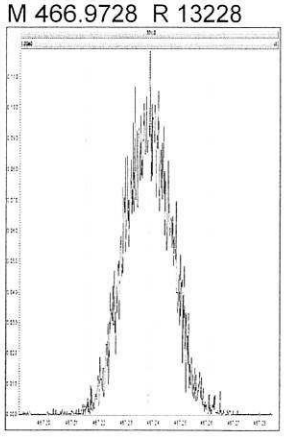
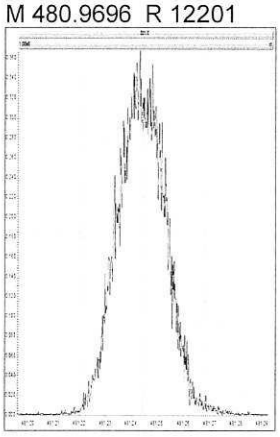
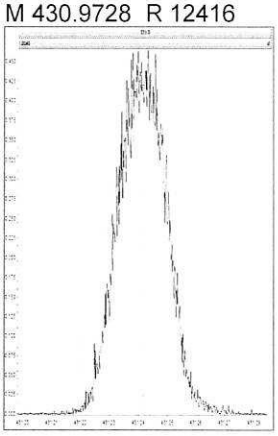
M 466.9728 R 13228



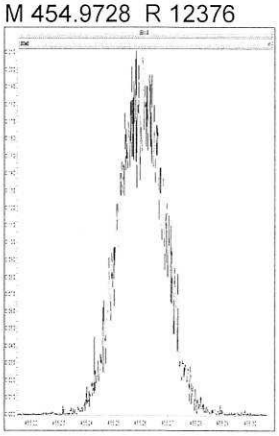
M 480.9696 R 12201



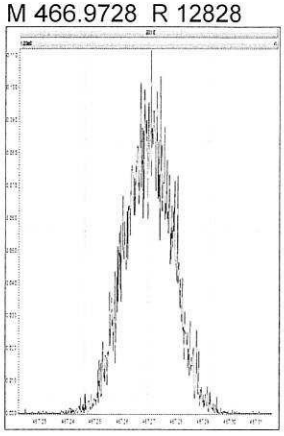
M 430.9728 R 12416



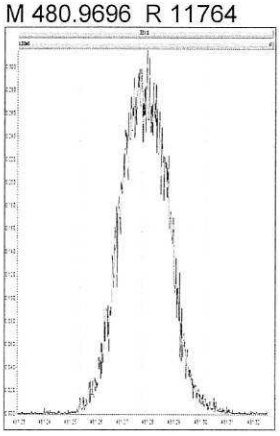
M 454.9728 R 12376



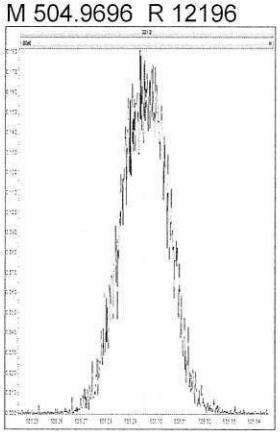
M 466.9728 R 12828



M 480.9696 R 11764



M 504.9696 R 12196



CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
EPA 1613B

Lab Name: Analytical Resources, Inc. SDG: 16J0187

Instrument .ID: AUTOSPEC01 Lab File ID: 16110103

Date Analyzed: 11/01/16 Time Analyzed: 11:27

Lab Sample ID: SEJ0462-RES1 Sequence: SEJ0462

Percent Valley Determination for Column: RTX-Dioxin2 ID: 0.25 (mm)

1278-TCDD/2378-TCDD: 13.3

3467-TCDF/2378-TCDF: 16.5

Quality Control (QC) Limits: ≤ 25%

Lab Sample ID	Sample Name	Lab File ID	Data Analyzed	Time Analyzed
SEJ0462-ICV1	CS301	16110102	11/01/2016	10:35
SEJ0462-RES1	ISC01	16110103	11/01/2016	11:27
BEJ0775-BLK1	Blank	16110104	11/01/2016	12:23
BEJ0775-BS1	LCS	16110105	11/01/2016	13:15
16J0187-01	PG-SMA-1-1-161011	16110108	11/01/2016	15:54
16J0187-02	PG-SMA-1-2-161011	16110109	11/01/2016	16:47
16J0187-03	PG-SMA-1-3-161011	16110110	11/01/2016	17:41
16J0187-04	PG-REF-PJ-1-161011	16110111	11/01/2016	18:34
16J0187-05	PG-REF-WS-1-161011	16110112	11/01/2016	19:27
16J0187-06	PG-REF-GP-1-161011	16110113	11/01/2016	20:20
SEJ0462-CCV1	CS302	16110114	11/01/2016	21:14

Analytical Resources, Incorporated

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEE0076	Instrument:	AUTOSPEC01
		Calibration:	ZE00016

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Cal Standard	SEE0076-CAL1	160510ICAL	Solid	05/10/16 13:36
Cal Standard	SEE0076-CAL2	160510ICAL	Solid	05/10/16 14:27
Cal Standard	SEE0076-CAL3	160510ICAL	Solid	05/10/16 15:30
Cal Standard	SEE0076-CAL4	160510ICAL	Solid	05/10/16 16:22
Cal Standard	SEE0076-CAL5	160510ICAL	Solid	05/10/16 17:15
Cal Standard	SEE0076-CAL6	160510ICAL	Solid	05/10/16 18:09

Analytical Resources, Incorporated

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
		Calibration:	ZE00016

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SEJ0462-ICV1	16110102	Tissue	11/01/16 10:35
Resolution Check	SEJ0462-RES1	16110103	Tissue	11/01/16 11:27
Blank	BEJ0775-BLK1	16110104	Tissue	11/01/16 12:23
LCS	BEJ0775-BS1	16110105	Tissue	11/01/16 13:15
PG-SMA-1-1-161011	16J0187-01	16110108	Tissue	11/01/16 15:54
PG-SMA-1-2-161011	16J0187-02	16110109	Tissue	11/01/16 16:47
PG-SMA-1-3-161011	16J0187-03	16110110	Tissue	11/01/16 17:41
PG-REF-PJ-1-161011	16J0187-04	16110111	Tissue	11/01/16 18:34
PG-REF-WS-1-161011	16J0187-05	16110112	Tissue	11/01/16 19:27
PG-REF-GP-1-161011	16J0187-06	16110113	Tissue	11/01/16 20:20
Calibration Check	SEJ0462-CCV1	16110114	Tissue	11/01/16 21:14

Port Gamble Shellfish Monitoring
16J0187

Analysis	Matrix	Method
1613B Dioxin	Tissue	EPA 1613B

Checklist: DLM02.2 HR-GC/MS Checklist

#	Checklist Item	Response	Analyst Initials	Date
1	Resolution Check > 10,000 ppm	YES	PK	11/02/2016
2	TCDD/TCDF Resolution <= 25%	YES	PK	11/02/2016
3	PCDF markers >= 10 seconds from scan descriptor switch	YES	PK	11/02/2016
4	ICV/CCV meets %D limits	YES	PK	11/02/2016
5	ICV/CCV Ion ratios within limits	YES	PK	11/02/2016
6	ICV/CCV RRT within limits	YES	PK	11/02/2016
7	Manual integrations have been stamped and signed	NO	PK	11/02/2016
	Comments: *EXCEPTION REPORT REQUIRED*			
8	Signal/Noise >= 3.0 for all detectiions	YES	PK	11/02/2016
9	AUTOCHECK: Blank checked for exceedance of criteria	NO *	PK	11/02/2016

Comments:
QC Sample BEJ0775-BLK1 failed criteria for 1,2,3,4,6,7,8-HpCDD in 1613B Dioxin.
MDL = 0.580 ng/kg
MRL = 5.00 ng/kg
Result = 0.0625 ng/kg
Criterion = 0 x RL

QC Sample BEJ0775-BLK1 failed criteria for 1,2,3,7,8,9-HxCDF in 1613B Dioxin.
MDL = 0.490 ng/kg
MRL = 5.00 ng/kg
Result = 0.0899 ng/kg
Criterion = 0 x RL

QC Sample BEJ0775-BLK1 failed criteria for 1,2,3,7,8-PeCDF in 1613B Dioxin.
MDL = 0.470 ng/kg
MRL = 5.00 ng/kg
Result = 0.0396 ng/kg
Criterion = 0 x RL
- Estimated Maximum Possible Concentration qualifier for HRGCMS Dioxin

QC Sample BEJ0775-BLK1 failed criteria for OCDD in 1613B Dioxin.
MDL = 1.83 ng/kg
MRL = 10.0 ng/kg
Result = 0.933 ng/kg
Criterion = 0 x RL
- Estimated Maximum Possible Concentration qualifier for HRGCMS Dioxin

QC Sample BEJ0775-BLK1 failed criteria for OCDF in 1613B Dioxin.
MDL = 0.740 ng/kg

Port Gamble Shellfish Monitoring
16J0187

Analysis	Matrix	Method
1613B Dioxin	Tissue	EPA 1613B

Checklist: DLM02.2 HR-GC/MS Checklist

#	Checklist Item	Response		Analyst Initials	Date
	MRL = 10.0 ng/kg *Result = 0.0923 ng/kg* *Criterion = 0 x RL* *- Estimated Maximum Possible Concentration qualifier for HRGCMS Dioxin*				
	QC Sample BEJ0775-BLK1 failed criteria for Total HpCDD in 1613B Dioxin. *MRL = 1.00 ng/kg* *Result = 0.170 ng/kg* *Criterion = 0 x RL*				
	QC Sample BEJ0775-BLK1 failed criteria for Total HxCDF in 1613B Dioxin. *MRL = 1.00 ng/kg* *Result = 0.0899 ng/kg* *Criterion = 0 x RL*				
	QC Sample BEJ0775-BLK1 failed criteria for Total PeCDF in 1613B Dioxin. *MRL = 1.00 ng/kg* *Result = 0.0396 ng/kg* *Criterion = 0 x RL*				
	QC Sample BEJ0775-BLK1 failed criteria for Total TCDF in 1613B Dioxin. *MRL = 1.00 ng/kg* *Result = 0.0344 ng/kg* *Criterion = 0 x RL*				
10	AUTOCHECK: Check Extraction and Cleanup Surrogate recoveries	YES	*	PK	11/02/2016
11	AUTOCHECK: Check blank spike (OPR) recovery	YES	*	PK	11/02/2016
12	Sample values exceeding calibration range	NO		PK	11/02/2016
	Comments: *EXCEPTION REPORT REQUIRED*				
13	Samples diluted	NO		PK	11/02/2016
	Comments: *EXCEPTION REPORT REQUIRED*				
14	AUTOCHECK: Check %RPD between sample and sample duplicate	NA	*	PK	11/02/2016
15	AUTOCHECK: Check SRM limits for exceedance	NA	*	PK	11/02/2016
16	EPA CASE#				12/30/1899
17	Analyst chechlist completed (PEER)				12/30/1899
18	Data is locked and status is analyzed (PEER)				12/30/1899
19	Data file, Batch, and Cleanup .pdf's are attached (PEER)				12/30/1899

* = Indicates Automated Response from Element DataSyst

Port Gamble Shellfish Monitoring
16J0187

Analysis	Matrix	Method
1613B Dioxin	Tissue	EPA 1613B

Checklist: DLM02.2 HR-GC/MS Checklist

#	Checklist Item	Response	Analyst Initials	Date
20	Color warnings have been addressed and (or) qualified (PEER)			12/30/1899
21	Qualifiers have been correctly added (PEER)			12/30/1899
22	Checklist completed and status is peer reviewed (REVIEWER)			12/30/1899
23	Dilutions are linear (50-200%) and appropriate (REVIEWER)			12/30/1899
24	All requested samples have been reported (REVIEWER)			12/30/1899
25	Color warnings have been addressed, narrated and (or) qualified (REVIEWER)			12/30/1899
26	List of samples in this sequence that will require additional runs-verify reshot created (ANALYST)			12/30/1899
27	List of samples in this sequence that are re-analysis or dilutons of samples (ANALYST)			12/30/1899
28	Additional Notes (ANALYST, PEER, and REVIEWER)			12/30/1899

* = Indicates Automated Response from Element DataSyst

Analytical Resources Inc.: Organics Instrument Log

AutoSpec01 Serial No.:GC=CN10921030, MS=P764

Date: 11/1/16 Analysis: Dioxins Analyst: MK

GC Program: 8290D Column No: C3519 Column Type: XE-Dioxin2

Inj Vol: 1ul Instrument Tune (IPR): Sep2216 1-5 Detector Voltage: 350

Resolution Check Files: 10:28, 22:11 Curve Date: 5/10/16

IS/SS	Ical/Ccal	LCS/ICV
E710	E3891	
	E4948	

#	Acq.Date	Acq.Time	File	ID	Comments
1	01-Nov-16	10:35:53	16110102	CS301	
2	01-Nov-16	11:27:37	16110103	ISC01	SBJ0462
3	01-Nov-16	12:23:38	16110104	BEJ0775-BLK1	
4	01-Nov-16	13:15:02	16110105	BEJ0775-BS1	
5	01-Nov-16	14:08:18	16110106	16H0147-01	
6	01-Nov-16	15:01:29	16110107	16H0268-01	
7	01-Nov-16	15:54:45	16110108	16H0187-01	
8	01-Nov-16	16:47:55	16110109	16H0187-02	
9	01-Nov-16	17:41:04	16110110	16H0187-03	
10	01-Nov-16	18:34:13	16110111	16H0187-04	
11	01-Nov-16	19:27:32	16110112	16H0187-05	
12	01-Nov-16	20:20:40	16110113	16H0187-06	
13	01-Nov-16	21:14:00	16110114	CS302	
14	01-Nov-16	22:12:00	16110115	SURR E6047	

MK 11/2/16

Every line must contain information or be lined out. Make all entries legible.
Start a new page for each QC period. Document All Maintenance Tasks In Element LIMS

Quantify Audit Report MassLynx MassLynx V4.1 SCN909
Dataset: C:\MassLynx\Dioxin.pro\161101DATA1.qld
Last Altered: Tuesday, November 01, 2016 14:19:48 Pacific Daylight Time
Printed: Tuesday, November 01, 2016 14:20:46 Pacific Daylight Time

ph 11/2/16

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Pre modification peak	Sample:16110104, Compound:OF, RT:46.828	1
Peak modified	Sample:16110104, Compound:OF, RT:46.828	1
Pre modification peak	Sample:16110104, Compound:OF, RT:46.810	1
Peak modified	Sample:16110104, Compound:OF, RT:46.810	1
Peak modified	Sample:16110104, Compound:OF, RT:46.828	1
Pre modification peak	Sample:16110104, Compound:OF, RT:46.810	1
Peak modified	Sample:16110104, Compound:OF, RT:46.810	1
Peak deleted	Sample:16110104, Compound:TF, RT:25.720	1
Peak deleted	Sample:16110104, Compound:TF, RT:25.585	1
Pre modification peak	Sample:16110104, Compound:TF, RT:27.079	1
Peak modified	Sample:16110104, Compound:TF, RT:27.079	1
Peak deleted	Sample:16110104, Compound:PF, RT:31.045	1
Peak deleted	Sample:16110104, Compound:HF, RT:35.824	1
Pre modification peak	Sample:16110104, Compound:HF, RT:36.985	1
Peak modified	Sample:16110104, Compound:HF, RT:36.985	1
Peak deleted	Sample:16110104, Compound:HPF, RT:40.383	1
Peak deleted	Sample:16110104, Compound:HPF, RT:40.033	1
Peak deleted	Sample:16110104, Compound:HPF, RT:39.967	1
Peak deleted	Sample:16110104, Compound:HPF, RT:39.342	1
Peak deleted	Sample:16110104, Compound:PD, RT:29.685	1
Pre modification peak	Sample:16110104, Compound:HPD, RT:39.583	1
Peak modified	Sample:16110104, Compound:HPD, RT:39.583	1
Peak deleted	Sample:16110105, Compound:TF, RT:25.884	2
Peak deleted	Sample:16110105, Compound:HF, RT:35.111	2
Peak deleted	Sample:16110105, Compound:HF, RT:35.056	2
Peak deleted	Sample:16110105, Compound:HF, RT:36.043	2
Peak deleted	Sample:16110105, Compound:HD, RT:36.843	2
Peak deleted	Sample:16110105, Compound:HD, RT:36.931	2
Dataset Saved	Saved to 'C:\MassLynx\Dioxin.pro\161101DATA1.qld'	

Event	Details	Sample ID
Process Extract		
Process Integrate		
Process Quantify		
Dataset Created		
Dataset Saved	Saved to 'C:\MassLynx\Dioxin.pro\161101DATA2.qld'	
Pre modification peak	Sample:16110106, Compound:OF, RT:46.784	1
Peak modified	Sample:16110106, Compound:OF, RT:46.784	1
Peak deleted	Sample:16110106, Compound:TD, RT:26.213	1
Peak deleted	Sample:16110106, Compound:TF, RT:24.479	1
Peak deleted	Sample:16110106, Compound:TF, RT:24.270	1
Peak deleted	Sample:16110106, Compound:TF, RT:24.046	1
Peak deleted	Sample:16110106, Compound:TF, RT:23.822	1
Peak deleted	Sample:16110106, Compound:TF, RT:23.195	1
Peak deleted	Sample:16110106, Compound:TF, RT:24.704	1
Peak deleted	Sample:16110106, Compound:TF, RT:24.001	1
Peak deleted	Sample:16110106, Compound:TF, RT:26.631	1
Peak deleted	Sample:16110106, Compound:PP, RT:26.975	1
Peak deleted	Sample:16110106, Compound:PP, RT:26.930	1
Peak deleted	Sample:16110106, Compound:PF, RT:28.327	1
Peak deleted	Sample:16110106, Compound:PF, RT:28.294	1
Peak deleted	Sample:16110106, Compound:PF, RT:30.025	1
Peak deleted	Sample:16110106, Compound:PF, RT:32.152	1
Peak deleted	Sample:16110106, Compound:PF, RT:31.078	1
Peak deleted	Sample:16110106, Compound:HF, RT:33.204	1
Peak deleted	Sample:16110106, Compound:HF, RT:34.114	1
Peak deleted	Sample:16110106, Compound:HF, RT:34.059	1
Peak deleted	Sample:16110106, Compound:HF, RT:33.248	1
Peak deleted	Sample:16110106, Compound:HF, RT:34.815	1
Peak deleted	Sample:16110106, Compound:HF, RT:34.914	1
Peak deleted	Sample:16110106, Compound:HF, RT:34.859	1
Pre modification peak	Sample:16110106, Compound:HPF, RT:39.825	1
Peak modified	Sample:16110106, Compound:HPF, RT:39.825	1
Pre modification peak	Sample:16110106, Compound:HPF, RT:39.046	1
Peak modified	Sample:16110106, Compound:HPF, RT:39.046	1
Pre modification peak	Sample:16110106, Compound:HPF, RT:41.655	1
Peak modified	Sample:16110106, Compound:HPF, RT:41.655	1
Pre modification peak	Sample:16110106, Compound:HPF, RT:41.633	1
Peak modified	Sample:16110106, Compound:HPF, RT:41.633	1
Peak deleted	Sample:16110106, Compound:TD, RT:24.689	1
Peak deleted	Sample:16110106, Compound:TD, RT:24.569	1
Peak deleted	Sample:16110106, Compound:TD, RT:23.762	1
Peak deleted	Sample:16110106, Compound:PD, RT:28.612	1
Pre modification peak	Sample:16110106, Compound:PD, RT:31.286	1
Peak modified	Sample:16110106, Compound:PD, RT:31.286	1
Peak deleted	Sample:16110106, Compound:PD, RT:30.048	1
Pre modification peak	Sample:16110106, Compound:PD, RT:31.297	1
Peak modified	Sample:16110106, Compound:PD, RT:31.297	1
Peak deleted	Sample:16110106, Compound:HD, RT:35.035	1
Peak deleted	Sample:16110106, Compound:HD, RT:34.848	1
Peak deleted	Sample:16110106, Compound:HD, RT:34.706	1
Peak deleted	Sample:16110106, Compound:HD, RT:35.977	1
Peak deleted	Sample:16110106, Compound:HD, RT:35.769	1
Pre modification peak	Sample:16110106, Compound:HPD, RT:40.800	1

Event	Details	Sample ID
Peak modified	Sample:16110106, Compound:HPD, RT:40.800	1
Pre modification peak	Sample:16110107, Compound:OF, RT:46.793	2
Peak modified	Sample:16110107, Compound:OF, RT:46.793	2
Pre modification peak	Sample:16110107, Compound:OF, RT:46.856	2
Peak modified	Sample:16110107, Compound:OF, RT:46.856	2
Pre modification peak	Sample:16110107, Compound:OD, RT:46.560	2
Peak modified	Sample:16110107, Compound:OD, RT:46.560	2
Peak deleted	Sample:16110107, Compound:TF, RT:23.135	2
Peak deleted	Sample:16110107, Compound:TF, RT:22.941	2
Peak deleted	Sample:16110107, Compound:TF, RT:22.343	2
Peak deleted	Sample:16110107, Compound:TF, RT:22.074	2
Peak deleted	Sample:16110107, Compound:TF, RT:24.017	2
Peak deleted	Sample:16110107, Compound:TF, RT:23.837	2
Peak deleted	Sample:16110107, Compound:TF, RT:23.344	2
Peak deleted	Sample:16110107, Compound:TF, RT:25.316	2
Peak deleted	Sample:16110107, Compound:TF, RT:24.883	2
Peak deleted	Sample:16110107, Compound:TF, RT:24.674	2
Peak deleted	Sample:16110107, Compound:TF, RT:24.271	2
Pre modification peak	Sample:16110107, Compound:TF, RT:24.494	2
Peak modified	Sample:16110107, Compound:TF, RT:24.494	2
Peak deleted	Sample:16110107, Compound:TF, RT:26.825	2
Peak deleted	Sample:16110107, Compound:TF, RT:26.765	2
Peak deleted	Sample:16110107, Compound:TF, RT:25.809	2
Pre modification peak	Sample:16110107, Compound:PF, RT:28.568	2
Peak modified	Sample:16110107, Compound:PF, RT:28.568	2
Peak deleted	Sample:16110107, Compound:PF, RT:29.017	2
Peak deleted	Sample:16110107, Compound:PF, RT:28.930	2
Pre modification peak	Sample:16110107, Compound:PF, RT:28.568	2
Peak modified	Sample:16110107, Compound:PF, RT:28.568	2
Peak deleted	Sample:16110107, Compound:PF, RT:29.664	2
Peak deleted	Sample:16110107, Compound:PF, RT:31.089	2
Peak deleted	Sample:16110107, Compound:PF, RT:32.152	2
Peak deleted	Sample:16110107, Compound:HF, RT:34.761	2
Peak deleted	Sample:16110107, Compound:HPF, RT:39.189	2
Pre modification peak	Sample:16110107, Compound:HPF, RT:39.847	2
Peak modified	Sample:16110107, Compound:HPF, RT:39.847	2
Peak deleted	Sample:16110107, Compound:TD, RT:27.020	2
Peak deleted	Sample:16110107, Compound:TD, RT:26.213	2
Peak deleted	Sample:16110107, Compound:PD, RT:28.568	2
Peak deleted	Sample:16110107, Compound:HD, RT:35.813	2
Peak deleted	Sample:16110107, Compound:HD, RT:34.717	2
Pre modification peak	Sample:16110108, Compound:OF, RT:46.783	3
Peak modified	Sample:16110108, Compound:OF, RT:46.783	3
Pre modification peak	Sample:16110108, Compound:OF, RT:46.756	3
Peak modified	Sample:16110108, Compound:OF, RT:46.756	3
Peak deleted	Sample:16110108, Compound:TF, RT:22.089	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.807	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.702	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.553	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.329	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.224	3
Peak deleted	Sample:16110108, Compound:TF, RT:23.075	3
Peak deleted	Sample:16110108, Compound:TF, RT:24.913	3

Event	Details	Sample ID
Peak deleted	Sample:16110108, Compound:TF, RT:24.255	3
Pre modification peak	Sample:16110108, Compound:TF, RT:24.509	3
Peak modified	Sample:16110108, Compound:TF, RT:24.509	3
Peak deleted	Sample:16110108, Compound:TF, RT:25.406	3
Peak deleted	Sample:16110108, Compound:TF, RT:25.316	3
Peak deleted	Sample:16110108, Compound:TF, RT:25.376	3
Pre modification peak	Sample:16110108, Compound:PF, RT:28.545	3
Peak modified	Sample:16110108, Compound:PF, RT:28.545	3
Pre modification peak	Sample:16110108, Compound:PF, RT:28.556	3
Peak modified	Sample:16110108, Compound:PF, RT:28.556	3
Peak deleted	Sample:16110108, Compound:HF, RT:34.070	3
Peak deleted	Sample:16110108, Compound:TD, RT:24.674	3
Peak deleted	Sample:16110108, Compound:PD, RT:28.655	3
Peak deleted	Sample:16110108, Compound:PD, RT:28.578	3
Peak deleted	Sample:16110108, Compound:PD, RT:31.308	3
Peak deleted	Sample:16110108, Compound:PD, RT:29.938	3
Peak deleted	Sample:16110108, Compound:HD, RT:34.936	3
Peak deleted	Sample:16110108, Compound:HD, RT:36.076	3
Pre modification peak	Sample:16110109, Compound:OF, RT:46.748	4
Peak modified	Sample:16110109, Compound:OF, RT:46.748	4
Pre modification peak	Sample:16110109, Compound:OF, RT:46.766	4
Peak modified	Sample:16110109, Compound:OF, RT:46.766	4
Peak deleted	Sample:16110109, Compound:TF, RT:22.223	4
Peak deleted	Sample:16110109, Compound:TF, RT:22.074	4
Peak deleted	Sample:16110109, Compound:TF, RT:23.777	4
Peak deleted	Sample:16110109, Compound:TF, RT:23.628	4
Peak deleted	Sample:16110109, Compound:TF, RT:23.314	4
Peak deleted	Sample:16110109, Compound:TF, RT:23.240	4
Peak deleted	Sample:16110109, Compound:TF, RT:23.090	4
Peak deleted	Sample:16110109, Compound:TF, RT:24.644	4
Peak deleted	Sample:16110109, Compound:TF, RT:24.240	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.391	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.286	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.197	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.077	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.331	4
Peak deleted	Sample:16110109, Compound:TF, RT:25.047	4
Pre modification peak	Sample:16110109, Compound:PF, RT:28.546	4
Peak modified	Sample:16110109, Compound:PF, RT:28.546	4
Peak deleted	Sample:16110109, Compound:PF, RT:28.260	4
Peak deleted	Sample:16110109, Compound:PF, RT:28.305	4
Peak deleted	Sample:16110109, Compound:PF, RT:31.045	4
Peak deleted	Sample:16110109, Compound:PF, RT:30.058	4
Peak deleted	Sample:16110109, Compound:PF, RT:29.697	4
Peak deleted	Sample:16110109, Compound:HF, RT:34.848	4
Peak deleted	Sample:16110109, Compound:HF, RT:33.160	4
Peak deleted	Sample:16110109, Compound:HF, RT:36.920	4
Pre modification peak	Sample:16110109, Compound:HF, RT:36.964	4
Peak modified	Sample:16110109, Compound:HF, RT:36.964	4
Pre modification peak	Sample:16110109, Compound:HF, RT:36.953	4
Peak modified	Sample:16110109, Compound:HF, RT:36.953	4
Peak deleted	Sample:16110109, Compound:TD, RT:25.525	4
Peak deleted	Sample:16110109, Compound:PD, RT:29.708	4

Event	Details	Sample ID
Peak deleted	Sample:16110109, Compound:PD, RT:31.264	4
Peak deleted	Sample:16110109, Compound:HD, RT:35.089	4
Pre modification peak	Sample:16110109, Compound:HD, RT:34.991	4
Peak modified	Sample:16110109, Compound:HD, RT:34.991	4
Peak deleted	Sample:16110109, Compound:HD, RT:34.465	4
Peak deleted	Sample:16110109, Compound:HD, RT:34.015	4
Pre modification peak	Sample:16110109, Compound:HD, RT:34.991	4
Peak modified	Sample:16110109, Compound:HD, RT:34.991	4
Peak deleted	Sample:16110109, Compound:HD, RT:36.931	4
Peak deleted	Sample:16110109, Compound:HD, RT:36.492	4
Peak deleted	Sample:16110109, Compound:HD, RT:35.824	4
Pre modification peak	Sample:16110110, Compound:OF, RT:46.766	5
Peak modified	Sample:16110110, Compound:OF, RT:46.766	5
Pre modification peak	Sample:16110110, Compound:OF, RT:46.730	5
Peak modified	Sample:16110110, Compound:OF, RT:46.730	5
Peak deleted	Sample:16110110, Compound:TF, RT:22.089	5
Peak deleted	Sample:16110110, Compound:TF, RT:22.747	5
Peak deleted	Sample:16110110, Compound:TF, RT:22.328	5
Peak deleted	Sample:16110110, Compound:TF, RT:23.314	5
Peak deleted	Sample:16110110, Compound:TF, RT:23.075	5
Pre modification peak	Sample:16110110, Compound:TF, RT:22.941	5
Peak modified	Sample:16110110, Compound:TF, RT:22.941	5
Peak deleted	Sample:16110110, Compound:TF, RT:25.062	5
Peak deleted	Sample:16110110, Compound:TF, RT:24.868	5
Peak deleted	Sample:16110110, Compound:TF, RT:24.240	5
Peak deleted	Sample:16110110, Compound:TF, RT:25.361	5
Peak deleted	Sample:16110110, Compound:TF, RT:25.406	5
Peak deleted	Sample:16110110, Compound:TF, RT:26.795	5
Pre modification peak	Sample:16110110, Compound:TF, RT:25.824	5
Peak modified	Sample:16110110, Compound:TF, RT:25.824	5
Peak deleted	Sample:16110110, Compound:PF, RT:28.655	5
Peak deleted	Sample:16110110, Compound:PF, RT:31.034	5
Peak deleted	Sample:16110110, Compound:PF, RT:29.708	5
Peak deleted	Sample:16110110, Compound:HF, RT:34.092	5
Pre modification peak	Sample:16110110, Compound:HF, RT:34.049	5
Peak modified	Sample:16110110, Compound:HF, RT:34.049	5
Pre modification peak	Sample:16110110, Compound:HF, RT:36.953	5
Peak modified	Sample:16110110, Compound:HF, RT:36.953	5
Peak deleted	Sample:16110110, Compound:HF, RT:35.901	5
Pre modification peak	Sample:16110110, Compound:HF, RT:36.931	5
Peak modified	Sample:16110110, Compound:HF, RT:36.931	5
Peak deleted	Sample:16110110, Compound:TD, RT:26.183	5
Peak deleted	Sample:16110110, Compound:TD, RT:25.645	5
Peak deleted	Sample:16110110, Compound:TD, RT:25.406	5
Peak deleted	Sample:16110110, Compound:TD, RT:23.628	5
Peak deleted	Sample:16110110, Compound:TD, RT:24.539	5
Peak deleted	Sample:16110110, Compound:PD, RT:30.256	5
Peak deleted	Sample:16110110, Compound:PD, RT:29.916	5
Peak deleted	Sample:16110110, Compound:PD, RT:29.664	5
Pre modification peak	Sample:16110110, Compound:PD, RT:29.708	5
Peak modified	Sample:16110110, Compound:PD, RT:29.708	5
Pre modification peak	Sample:16110110, Compound:HD, RT:36.055	5
Peak deleted	Sample:16110110, Compound:HD, RT:35.002	5

Event	Details	Sample ID
Peak deleted	Sample:16110110, Compound:HD, RT:34.597	5
Pre modification peak	Sample:16110110, Compound:HD, RT:33.807	5
Peak modified	Sample:16110110, Compound:HD, RT:33.807	5
Pre modification peak	Sample:16110111, Compound:OF, RT:46.757	6
Peak modified	Sample:16110111, Compound:OF, RT:46.757	6
Pre modification peak	Sample:16110111, Compound:OF, RT:46.757	6
Peak modified	Sample:16110111, Compound:OF, RT:46.757	6
Peak deleted	Sample:16110111, Compound:TF, RT:22.074	6
Peak deleted	Sample:16110111, Compound:TF, RT:24.300	6
Peak deleted	Sample:16110111, Compound:TF, RT:24.240	6
Peak deleted	Sample:16110111, Compound:TF, RT:23.807	6
Peak deleted	Sample:16110111, Compound:TF, RT:23.553	6
Peak deleted	Sample:16110111, Compound:TF, RT:23.329	6
Pre modification peak	Sample:16110111, Compound:TF, RT:24.479	6
Peak modified	Sample:16110111, Compound:TF, RT:24.479	6
Peak deleted	Sample:16110111, Compound:TF, RT:24.868	6
Peak deleted	Sample:16110111, Compound:TF, RT:26.990	6
Pre modification peak	Sample:16110111, Compound:TF, RT:25.540	6
Peak modified	Sample:16110111, Compound:TF, RT:25.540	6
Pre modification peak	Sample:16110111, Compound:TF, RT:25.555	6
Peak modified	Sample:16110111, Compound:TF, RT:25.555	6
Peak deleted	Sample:16110111, Compound:PF, RT:28.162	6
Peak deleted	Sample:16110111, Compound:HF, RT:34.706	6
Peak deleted	Sample:16110111, Compound:TD, RT:24.823	6
Peak deleted	Sample:16110111, Compound:TD, RT:24.569	6
Peak deleted	Sample:16110111, Compound:TD, RT:23.583	6
Peak deleted	Sample:16110111, Compound:TD, RT:26.422	6
Peak deleted	Sample:16110111, Compound:TD, RT:25.824	6
Peak deleted	Sample:16110111, Compound:PD, RT:31.275	6
Peak deleted	Sample:16110111, Compound:PD, RT:29.993	6
Peak deleted	Sample:16110111, Compound:HD, RT:36.097	6
Peak deleted	Sample:16110112, Compound:TF, RT:22.343	7
Peak deleted	Sample:16110112, Compound:TF, RT:22.089	7
Peak deleted	Sample:16110112, Compound:TF, RT:23.673	7
Peak deleted	Sample:16110112, Compound:TF, RT:23.553	7
Peak deleted	Sample:16110112, Compound:TF, RT:23.419	7
Pre modification peak	Sample:16110112, Compound:TF, RT:22.911	7
Peak modified	Sample:16110112, Compound:TF, RT:22.911	7
Peak deleted	Sample:16110112, Compound:TF, RT:25.376	7
Peak deleted	Sample:16110112, Compound:TF, RT:24.226	7
Pre modification peak	Sample:16110112, Compound:TF, RT:25.779	7
Peak modified	Sample:16110112, Compound:TF, RT:25.779	7
Peak deleted	Sample:16110112, Compound:TF, RT:25.316	7
Peak deleted	Sample:16110112, Compound:PP, RT:27.109	7
Peak deleted	Sample:16110112, Compound:PP, RT:26.990	7
Peak deleted	Sample:16110112, Compound:PF, RT:28.294	7
Pre modification peak	Sample:16110112, Compound:PF, RT:29.708	7
Peak modified	Sample:16110112, Compound:PF, RT:29.708	7
Peak deleted	Sample:16110112, Compound:PF, RT:30.902	7
Peak deleted	Sample:16110112, Compound:PF, RT:31.023	7
Peak deleted	Sample:16110112, Compound:PF, RT:30.946	7
Pre modification peak	Sample:16110112, Compound:HF, RT:33.215	7
Peak modified	Sample:16110112, Compound:HF, RT:33.215	7

Event	Details	Sample ID
Peak deleted	Sample:16110112, Compound:HF, RT:35.824	7
Pre modification peak	Sample:16110112, Compound:HF, RT:34.037	7
Peak modified	Sample:16110112, Compound:HF, RT:34.037	7
Peak deleted	Sample:16110112, Compound:HF, RT:36.953	7
Pre modification peak	Sample:16110112, Compound:HPF, RT:39.036	7
Peak modified	Sample:16110112, Compound:HPF, RT:39.036	7
Peak deleted	Sample:16110112, Compound:TD, RT:26.003	7
Peak deleted	Sample:16110112, Compound:TD, RT:25.839	7
Peak deleted	Sample:16110112, Compound:TD, RT:25.376	7
Peak deleted	Sample:16110112, Compound:TD, RT:26.183	7
Pre modification peak	Sample:16110112, Compound:TD, RT:23.344	7
Peak modified	Sample:16110112, Compound:TD, RT:23.344	7
Peak deleted	Sample:16110112, Compound:PD, RT:28.557	7
Peak deleted	Sample:16110112, Compound:PD, RT:30.058	7
Peak deleted	Sample:16110112, Compound:PD, RT:30.025	7
Peak deleted	Sample:16110112, Compound:PD, RT:29.927	7
Peak deleted	Sample:16110112, Compound:PD, RT:29.686	7
Pre modification peak	Sample:16110112, Compound:HD, RT:33.785	7
Peak modified	Sample:16110112, Compound:HD, RT:33.785	7
Peak deleted	Sample:16110112, Compound:HD, RT:34.673	7
Peak deleted	Sample:16110112, Compound:HD, RT:34.607	7
Pre modification peak	Sample:16110112, Compound:HD, RT:36.515	7
Peak modified	Sample:16110112, Compound:HD, RT:36.515	7
Peak deleted	Sample:16110112, Compound:HD, RT:35.780	7
Pre modification peak	Sample:16110113, Compound:OF, RT:46.711	8
Peak modified	Sample:16110113, Compound:OF, RT:46.711	8
Pre modification peak	Sample:16110113, Compound:OF, RT:46.720	8
Peak modified	Sample:16110113, Compound:OF, RT:46.720	8
Peak deleted	Sample:16110113, Compound:TF, RT:24.898	8
Peak deleted	Sample:16110113, Compound:TF, RT:24.659	8
Peak deleted	Sample:16110113, Compound:TF, RT:22.911	8
Peak deleted	Sample:16110113, Compound:TF, RT:24.465	8
Peak deleted	Sample:16110113, Compound:TF, RT:25.809	8
Peak deleted	Sample:16110113, Compound:PP, RT:26.975	8
Peak deleted	Sample:16110113, Compound:PP, RT:26.915	8
Peak deleted	Sample:16110113, Compound:PF, RT:28.436	8
Peak deleted	Sample:16110113, Compound:PF, RT:28.206	8
Pre modification peak	Sample:16110113, Compound:PF, RT:28.524	8
Peak modified	Sample:16110113, Compound:PF, RT:28.524	8
Peak deleted	Sample:16110113, Compound:HF, RT:34.059	8
Peak deleted	Sample:16110113, Compound:TD, RT:25.839	8
Peak deleted	Sample:16110113, Compound:TD, RT:24.031	8
Peak deleted	Sample:16110113, Compound:TD, RT:23.613	8
Peak deleted	Sample:16110113, Compound:HD, RT:34.453	8
Peak deleted	Sample:16110113, Compound:HD, RT:33.785	8
Dataset Saved	Saved to 'C:\MassLynx\Dioxin.pro\161101DATA2.qld'	
Pre modification peak	Sample:16110108, Compound:TF, RT:25.570	3
Peak modified	Sample:16110108, Compound:TF, RT:25.570	3
Dataset Saved	Saved to 'C:\MassLynx\Dioxin.pro\161101DATA2.qld'	
Pre modification peak	Sample:16110110, Compound:TF, RT:25.555	5
Peak modified	Sample:16110110, Compound:TF, RT:25.555	5
Dataset Saved	Saved to 'C:\MassLynx\Dioxin.pro\161101DATA2.qld'	

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	SEJ0462-ICV1	Calibration:	ZE00016
File ID:	16110102	Analyzed:	11/01/16 10:35

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	100.00	102	70 - 130	25.5848	26.20013	-0.6153	N/A	
13C12-2,3,7,8-TCDD	100.00	101	70 - 130	26.2272	26.84255	-0.6153	N/A	
13C12-1,2,3,7,8-PeCDF	100.00	106	70 - 130	29.7182	30.36405	-0.6458	N/A	
13C12-2,3,4,7,8-PeCDF	100.00	112	70 - 130	31.0663	31.70687	-0.6406	N/A	
13C12-1,2,3,7,8-PeCDD	100.00	110	70 - 130	31.3185	31.9626	-0.6441	N/A	
13C12-1,2,3,4,7,8-HxCDF	100.00	93.4	70 - 130	34.7273	35.39708	-0.6698	N/A	
13C12-1,2,3,6,7,8-HxCDF	100.00	91.8	70 - 130	34.8807	35.5451	-0.6644	N/A	
13C12-2,3,4,6,7,8-HxCDF	100.00	93.8	70 - 130	35.8233	36.48953	-0.6662	N/A	
13C12-1,2,3,7,8,9-HxCDF	100.00	98.0	70 - 130	36.9742	37.62217	-0.6480	N/A	
13C12-1,2,3,4,7,8-HxCDD	100.00	98.5	70 - 130	35.9658	36.6284	-0.6626	N/A	
13C12-1,2,3,6,7,8-HxCDD	100.00	94.1	70 - 130	36.0865	36.75265	-0.6662	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	100.00	96.7	70 - 130	39.0348	39.70478	-0.6700	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	100.00	107	70 - 130	41.6437	42.43965	-0.7959	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	100.00	104	70 - 130	40.7887	41.53897	-0.7503	N/A	
13C12-OCDD	200.00	103	70 - 130	46.4962	47.53868	-1.0425	N/A	
37C14-2,3,7,8-TCDD	10.000	104	0 - 200	26.2422	26.85752	-0.6153	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	BEJ0775-BLK1	Calibration:	ZE00016
File ID:	16110104	Analyzed:	11/01/16 12:23

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	200.00	93.3	24 - 169	25.5703	26.20013	-0.6298	N/A	
13C12-2,3,7,8-TCDD	200.00	91.4	25 - 164	26.1977	26.84255	-0.6448	N/A	
13C12-1,2,3,7,8-PeCDF	200.00	95.7	24 - 185	29.6965	30.36405	-0.6675	N/A	
13C12-2,3,4,7,8-PeCDF	200.00	101	21 - 178	31.0448	31.70687	-0.6621	N/A	
13C12-1,2,3,7,8-PeCDD	200.00	99.0	25 - 181	31.2968	31.9626	-0.6658	N/A	
13C12-1,2,3,4,7,8-HxCDF	200.00	77.6	26 - 152	34.7493	35.39708	-0.6478	N/A	
13C12-1,2,3,6,7,8-HxCDF	200.00	72.1	26 - 123	34.8918	35.5451	-0.6533	N/A	
13C12-2,3,4,6,7,8-HxCDF	200.00	76.5	28 - 136	35.8235	36.48953	-0.6660	N/A	
13C12-1,2,3,7,8,9-HxCDF	200.00	80.1	29 - 147	36.9742	37.62217	-0.6480	N/A	
13C12-1,2,3,4,7,8-HxCDD	200.00	83.8	32 - 141	35.9548	36.6284	-0.6736	N/A	
13C12-1,2,3,6,7,8-HxCDD	200.00	59.4	28 - 130	36.0755	36.75265	-0.6772	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	200.00	75.8	28 - 143	39.035	39.70478	-0.6698	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	200.00	83.3	26 - 138	41.6548	42.43965	-0.7848	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	200.00	86.6	23 - 140	40.7997	41.53897	-0.7393	N/A	
13C12-OCDD	400.00	68.8	17 - 157	46.5053	47.53868	-1.0334	N/A	
37C14-2,3,7,8-TCDD	80.000	109	35 - 197	26.2277	26.85752	-0.6298	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	BEJ0775-BS1	Calibration:	ZE00016
File ID:	16110105	Analyzed:	11/01/16 13:15

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	200.00	80.9	24 - 169	25.5702	26.20013	-0.6299	N/A	
13C12-2,3,7,8-TCDD	200.00	78.3	25 - 164	26.1977	26.84255	-0.6448	N/A	
13C12-1,2,3,7,8-PeCDF	200.00	82.8	24 - 185	29.6967	30.36405	-0.6673	N/A	
13C12-2,3,4,7,8-PeCDF	200.00	87.9	21 - 178	31.0448	31.70687	-0.6621	N/A	
13C12-1,2,3,7,8-PeCDD	200.00	88.1	25 - 181	31.2968	31.9626	-0.6658	N/A	
13C12-1,2,3,4,7,8-HxCDF	200.00	69.3	26 - 152	34.7167	35.39708	-0.6804	N/A	
13C12-1,2,3,6,7,8-HxCDF	200.00	67.1	26 - 123	34.8702	35.5451	-0.6749	N/A	
13C12-2,3,4,6,7,8-HxCDF	200.00	69.1	28 - 136	35.8128	36.48953	-0.6767	N/A	
13C12-1,2,3,7,8,9-HxCDF	200.00	72.0	29 - 147	36.9635	37.62217	-0.6587	N/A	
13C12-1,2,3,4,7,8-HxCDD	200.00	77.0	32 - 141	35.9443	36.6284	-0.6841	N/A	
13C12-1,2,3,6,7,8-HxCDD	200.00	61.0	28 - 130	36.0648	36.75265	-0.6879	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	200.00	66.8	28 - 143	39.0352	39.70478	-0.6696	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	200.00	72.8	26 - 138	41.6658	42.43965	-0.7739	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	200.00	77.7	23 - 140	40.7998	41.53897	-0.7392	N/A	
13C12-OCDD	400.00	66.7	17 - 157	46.5143	47.53868	-1.0244	N/A	
37C14-2,3,7,8-TCDD	80.000	87.4	35 - 197	26.2125	26.85752	-0.6450	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-01	Calibration:	ZE00016
File ID:	16110108	Analyzed:	11/01/16 15:54

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.60	96.4	24 - 169	25.555	26.20013	-0.6451	N/A	
13C12-2,3,7,8-TCDD	199.60	99.5	25 - 164	26.1825	26.84255	-0.6600	N/A	
13C12-1,2,3,7,8-PeCDF	199.60	101	24 - 185	29.6745	30.36405	-0.6896	N/A	
13C12-2,3,4,7,8-PeCDF	199.60	108	21 - 178	31.0228	31.70687	-0.6841	N/A	
13C12-1,2,3,7,8-PeCDD	199.60	108	25 - 181	31.2748	31.9626	-0.6878	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.60	87.0	26 - 152	34.6947	35.39708	-0.7024	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.60	82.0	26 - 123	34.848	35.5451	-0.6971	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.60	87.4	28 - 136	35.8015	36.48953	-0.6880	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.60	90.9	29 - 147	36.9413	37.62217	-0.6809	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.60	97.0	32 - 141	35.9332	36.6284	-0.6952	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.60	95.5	28 - 130	36.0647	36.75265	-0.6880	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.60	83.6	28 - 143	39.013	39.70478	-0.6918	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.60	95.1	26 - 138	41.6215	42.43965	-0.8182	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.60	97.5	23 - 140	40.7667	41.53897	-0.7723	N/A	
13C12-OCDD	399.20	83.0	17 - 157	46.4692	47.53868	-1.0695	N/A	
37C14-2,3,7,8-TCDD	79.840	106	35 - 197	26.1975	26.85752	-0.6600	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-02	Calibration:	ZE00016
File ID:	16110109	Analyzed:	11/01/16 16:47

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.20	92.8	24 - 169	25.5403	26.20013	-0.6598	N/A	
13C12-2,3,7,8-TCDD	199.20	94.6	25 - 164	26.1678	26.84255	-0.6748	N/A	
13C12-1,2,3,7,8-PeCDF	199.20	96.3	24 - 185	29.6637	30.36405	-0.7004	N/A	
13C12-2,3,4,7,8-PeCDF	199.20	103	21 - 178	31.0118	31.70687	-0.6951	N/A	
13C12-1,2,3,7,8-PeCDD	199.20	104	25 - 181	31.264	31.9626	-0.6986	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.20	83.5	26 - 152	34.6948	35.39708	-0.7023	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.20	78.5	26 - 123	34.8373	35.5451	-0.7078	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.20	83.2	28 - 136	35.78	36.48953	-0.7095	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.20	86.6	29 - 147	36.9308	37.62217	-0.6914	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.20	92.4	32 - 141	35.9225	36.6284	-0.7059	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.20	91.5	28 - 130	36.054	36.75265	-0.6987	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.20	80.1	28 - 143	38.9915	39.70478	-0.7133	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.20	90.4	26 - 138	41.6112	42.43965	-0.8285	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.20	91.5	23 - 140	40.7562	41.53897	-0.7828	N/A	
13C12-OCDD	398.41	79.9	17 - 157	46.461	47.53868	-1.0777	N/A	
37C14-2,3,7,8-TCDD	79.681	98.7	35 - 197	26.1977	26.85752	-0.6598	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-03	Calibration:	ZE00016
File ID:	16110110	Analyzed:	11/01/16 17:41

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.60	93.9	24 - 169	25.5403	26.20013	-0.6598	N/A	
13C12-2,3,7,8-TCDD	199.60	97.1	25 - 164	26.1828	26.84255	-0.6597	N/A	
13C12-1,2,3,7,8-PeCDF	199.60	94.9	24 - 185	29.6748	30.36405	-0.6892	N/A	
13C12-2,3,4,7,8-PeCDF	199.60	101	21 - 178	31.0232	31.70687	-0.6837	N/A	
13C12-1,2,3,7,8-PeCDD	199.60	102	25 - 181	31.2752	31.9626	-0.6874	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.60	87.1	26 - 152	34.6953	35.39708	-0.7018	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.60	83.5	26 - 123	34.8378	35.5451	-0.7073	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.60	86.0	28 - 136	35.7915	36.48953	-0.6980	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.60	88.4	29 - 147	36.9423	37.62217	-0.6799	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.60	92.9	32 - 141	35.934	36.6284	-0.6944	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.60	91.5	28 - 130	36.0547	36.75265	-0.6980	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.60	80.0	28 - 143	39.003	39.70478	-0.7018	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.60	85.5	26 - 138	41.6227	42.43965	-0.8169	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.60	93.3	23 - 140	40.7677	41.53897	-0.7713	N/A	
13C12-OCDD	399.20	78.3	17 - 157	46.4703	47.53868	-1.0684	N/A	
37C14-2,3,7,8-TCDD	79.840	101	35 - 197	26.1977	26.85752	-0.6598	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY
EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-04	Calibration:	ZE00016
File ID:	16110111	Analyzed:	11/01/16 18:34

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.20	86.4	24 - 169	25.5403	26.20013	-0.6598	N/A	
13C12-2,3,7,8-TCDD	199.20	87.3	25 - 164	26.1827	26.84255	-0.6598	N/A	
13C12-1,2,3,7,8-PeCDF	199.20	78.9	24 - 185	29.6747	30.36405	-0.6893	N/A	
13C12-2,3,4,7,8-PeCDF	199.20	81.2	21 - 178	31.0227	31.70687	-0.6842	N/A	
13C12-1,2,3,7,8-PeCDD	199.20	81.9	25 - 181	31.2748	31.9626	-0.6878	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.20	87.2	26 - 152	34.6947	35.39708	-0.7024	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.20	80.6	26 - 123	34.8372	35.5451	-0.7079	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.20	84.0	28 - 136	35.7907	36.48953	-0.6988	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.20	81.1	29 - 147	36.9305	37.62217	-0.6917	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.20	93.6	32 - 141	35.9222	36.6284	-0.7062	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.20	90.7	28 - 130	36.0537	36.75265	-0.6990	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.20	72.5	28 - 143	39.0022	39.70478	-0.7026	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.20	73.5	26 - 138	41.6108	42.43965	-0.8289	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.20	79.6	23 - 140	40.756	41.53897	-0.7830	N/A	
13C12-OCDD	398.41	65.0	17 - 157	46.4603	47.53868	-1.0784	N/A	
37C14-2,3,7,8-TCDD	79.681	91.0	35 - 197	26.1977	26.85752	-0.6598	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-05	Calibration:	ZE00016
File ID:	16110112	Analyzed:	11/01/16 19:27

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.40	94.3	24 - 169	25.5403	26.20013	-0.6598	N/A	
13C12-2,3,7,8-TCDD	199.40	95.9	25 - 164	26.1678	26.84255	-0.6748	N/A	
13C12-1,2,3,7,8-PeCDF	199.40	97.7	24 - 185	29.6638	30.36405	-0.7003	N/A	
13C12-2,3,4,7,8-PeCDF	199.40	106	21 - 178	31.012	31.70687	-0.6949	N/A	
13C12-1,2,3,7,8-PeCDD	199.40	106	25 - 181	31.2642	31.9626	-0.6984	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.40	85.1	26 - 152	34.6952	35.39708	-0.7019	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.40	80.7	26 - 123	34.8377	35.5451	-0.7074	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.40	85.5	28 - 136	35.7912	36.48953	-0.6983	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.40	89.2	29 - 147	36.9422	37.62217	-0.6800	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.40	93.5	32 - 141	35.9228	36.6284	-0.7056	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.40	85.5	28 - 130	36.0543	36.75265	-0.6984	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.40	79.8	28 - 143	39.0028	39.70478	-0.7020	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.40	89.3	26 - 138	41.6227	42.43965	-0.8169	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.40	93.1	23 - 140	40.7567	41.53897	-0.7823	N/A	
13C12-OCDD	398.80	82.5	17 - 157	46.4617	47.53868	-1.0770	N/A	
37C14-2,3,7,8-TCDD	79.761	101	35 - 197	26.1978	26.85752	-0.6597	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

SURROGATE RECOVERY AND RT SUMMARY

EPA 1613B

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Sequence:	SEJ0462	Instrument:	AUTOSPEC01
Sample ID:	16J0187-06	Calibration:	ZE00016
File ID:	16110113	Analyzed:	11/01/16 20:20

Surrogate Compound	Spike Level ng/kg	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
13C12-2,3,7,8-TCDF	199.60	86.1	24 - 169	25.5402	26.20013	-0.6599	N/A	
13C12-2,3,7,8-TCDD	199.60	86.7	25 - 164	26.1677	26.84255	-0.6748	N/A	
13C12-1,2,3,7,8-PeCDF	199.60	84.8	24 - 185	29.6635	30.36405	-0.7006	N/A	
13C12-2,3,4,7,8-PeCDF	199.60	91.4	21 - 178	31.0115	31.70687	-0.6954	N/A	
13C12-1,2,3,7,8-PeCDD	199.60	89.9	25 - 181	31.2637	31.9626	-0.6989	N/A	
13C12-1,2,3,4,7,8-HxCDF	199.60	83.6	26 - 152	34.6833	35.39708	-0.7138	N/A	
13C12-1,2,3,6,7,8-HxCDF	199.60	79.2	26 - 123	34.8367	35.5451	-0.7084	N/A	
13C12-2,3,4,6,7,8-HxCDF	199.60	81.8	28 - 136	35.7793	36.48953	-0.7102	N/A	
13C12-1,2,3,7,8,9-HxCDF	199.60	82.7	29 - 147	36.9303	37.62217	-0.6919	N/A	
13C12-1,2,3,4,7,8-HxCDD	199.60	91.9	32 - 141	35.9218	36.6284	-0.7066	N/A	
13C12-1,2,3,6,7,8-HxCDD	199.60	87.9	28 - 130	36.0533	36.75265	-0.6994	N/A	
13C12-1,2,3,4,6,7,8-HpCDF	199.60	75.5	28 - 143	38.991	39.70478	-0.7138	N/A	
13C12-1,2,3,4,7,8,9-HpCDF	199.60	83.0	26 - 138	41.6105	42.43965	-0.8291	N/A	
13C12-1,2,3,4,6,7,8-HpCDD	199.60	85.7	23 - 140	40.7555	41.53897	-0.7835	N/A	
13C12-OCDD	399.20	75.6	17 - 157	46.4508	47.53868	-1.0879	N/A	
37C14-2,3,7,8-TCDD	79.840	91.8	35 - 197	26.1975	26.85752	-0.6600	N/A	

* Values outside of QC limits

Analytical Resources, Incorporated

HOLDING TIME SUMMARY

Analysis: EPA 1613B

Laboratory: Analytical Resources, Inc. SDG: 16J0187

Client: Anchor QEA, LLC Project: Port Gamble Shellfish Monitoring

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PG-SMA-1-1-161011 16J0187-01	10/11/16 11:08	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 15:54	6	365	
PG-SMA-1-2-161011 16J0187-02	10/11/16 11:05	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 16:47	6	365	
PG-SMA-1-3-161011 16J0187-03	10/11/16 11:10	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 17:41	6	365	
PG-REF-PJ-1-161011 16J0187-04	10/11/16 12:37	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 18:34	6	365	
PG-REF-WS-1-161011 16J0187-05	10/11/16 12:15	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 19:27	6	365	
PG-REF-GP-1-161011 16J0187-06	10/11/16 12:50	10/12/16 07:12	10/26/16 09:20	14	365	11/01/16 20:20	6	365	

* Indicates hold time exceedance.

Analytical Resources, Incorporated

METHOD DETECTION AND REPORTING LIMITS

EPA 1613B

Laboratory: Analytical Resources, Inc. SDG: 16J0187

Client: Anchor QEA, LLC Project: Port Gamble Shellfish Monitoring

Matrix: Tissue Instrument: AUTOSPEC01

Analyte	MDL	RL	Units
2,3,7,8-TCDF	0.050	1.00	ng/kg
2,3,7,8-TCDD	0.160	1.00	ng/kg
1,2,3,7,8-PeCDF	0.470	5.00	ng/kg
2,3,4,7,8-PeCDF	0.410	5.00	ng/kg
1,2,3,7,8-PeCDD	0.490	5.00	ng/kg
1,2,3,4,7,8-HxCDF	0.440	5.00	ng/kg
1,2,3,6,7,8-HxCDF	0.390	5.00	ng/kg
2,3,4,6,7,8-HxCDF	0.410	5.00	ng/kg
1,2,3,7,8,9-HxCDF	0.490	5.00	ng/kg
1,2,3,4,7,8-HxCDD	0.480	5.00	ng/kg
1,2,3,6,7,8-HxCDD	0.370	5.00	ng/kg
1,2,3,7,8,9-HxCDD	0.350	5.00	ng/kg
1,2,3,4,6,7,8-HpCDF	0.470	5.00	ng/kg
1,2,3,4,7,8,9-HpCDF	0.450	5.00	ng/kg
1,2,3,4,6,7,8-HpCDD	0.580	5.00	ng/kg
OCDF	0.740	10.0	ng/kg
OCDD	1.83	10.0	ng/kg
Total TCDF		1.00	ng/kg
Total TCDD		1.00	ng/kg
Total PeCDF		1.00	ng/kg
Total PeCDD		1.00	ng/kg
Total HxCDF		1.00	ng/kg
Total HxCDD		1.00	ng/kg
Total HpCDF		1.00	ng/kg
Total HpCDD		1.00	ng/kg

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-SMA-1-1-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. | Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC | SDG: 16J0187

Matrix: Tissue | Laboratory ID: 16J0187-01 | File ID: I2161028-088

Sampled: 10/11/16 11:08 | Prepared: 10/26/16 07:22 | Analyzed: 10/28/16 16:36

Solids (wt%): 0.00 | Preparation: FRN Tissue Digestion ICP ICP-MS | Initial/Final: 2.566 g / 50 mL

Batch: BEJ0777 | Sequence: SEJ0466 | Calibration: ZJ00089 | Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.557	1	0.0024	0.0390	

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-SMA-1-2-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC SDG: 16J0187

Matrix: Tissue Laboratory ID: 16J0187-02 File ID: I2161028-094

Sampled: 10/11/16 11:05 Prepared: 10/26/16 07:22 Analyzed: 10/28/16 17:01

Solids (wt%): 0.00 Preparation: FRN Tissue Digestion ICP ICP-MS Initial/Final: 2.546 g / 50 mL

Batch: BEJ0777 Sequence: SEJ0466 Calibration: ZJ00089 Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.586	1	0.0024	0.0393	

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-SMA-1-3-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC SDG: 16J0187

Matrix: Tissue Laboratory ID: 16J0187-03 File ID: I2161028-095

Sampled: 10/11/16 11:10 Prepared: 10/26/16 07:22 Analyzed: 10/28/16 17:05

Solids (wt%): 0.00 Preparation: FRN Tissue Digestion ICP ICP-MS Initial/Final: 2.502 g / 50 mL

Batch: BEJ0777 Sequence: SEJ0466 Calibration: ZJ00089 Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.662	1	0.0025	0.0400	

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-REF-PJ-1-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. | Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC | SDG: 16J0187

Matrix: Tissue | Laboratory ID: 16J0187-04 | File ID: I2161028-096

Sampled: 10/11/16 12:37 | Prepared: 10/26/16 07:22 | Analyzed: 10/28/16 17:09

Solids (wt%): 0.00 | Preparation: FRN Tissue Digestion ICP ICP-MS | Initial/Final: 2.584 g / 50 mL

Batch: BEJ0777 | Sequence: SEJ0466 | Calibration: ZJ00089 | Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.451	1	0.0024	0.0387	

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-REF-WS-1-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. | Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC | SDG: 16J0187

Matrix: Tissue | Laboratory ID: 16J0187-05 | File ID: I2161028-097

Sampled: 10/11/16 12:15 | Prepared: 10/26/16 07:22 | Analyzed: 10/28/16 17:14

Solids (wt%): 0.00 | Preparation: FRN Tissue Digestion ICP ICP-MS | Initial/Final: 2.52 g / 50 mL

Batch: BEJ0777 | Sequence: SEJ0466 | Calibration: ZJ00089 | Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.430	1	0.0025	0.0397	

Analytical Resources, Incorporated

Form I
INORGANIC ANALYSIS DATA SHEET

PG-REF-GP-1-161011

EPA 6010C
Total Metals

Laboratory: Analytical Resources, Inc. Project: Port Gamble Shellfish Monitoring

Client: Anchor QEA, LLC SDG: 16J0187

Matrix: Tissue Laboratory ID: 16J0187-06 File ID: I2161028-098

Sampled: 10/11/16 12:50 Prepared: 10/26/16 07:22 Analyzed: 10/28/16 17:18

Solids (wt%): 0.00 Preparation: FRN Tissue Digestion ICP ICP-MS Initial/Final: 2.545 g / 50 mL

Batch: BEJ0777 Sequence: SEJ0466 Calibration: ZJ00089 Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	0.572	1	0.0024	0.0393	

PREPARATION BATCH SUMMARY

EPA 6010C

Laboratory: Analytical Resources, Inc. SDG: 16J0187

Client: Anchor QEA, LLC Project: Port Gamble Shellfish Monitoring

Batch: BEJ0777 Batch Matrix: Tissue Preparation: FRN Tissue Digestion ICP ICP-MS

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PG-SMA-1-1-161011	16J0187-01	I2161028-088	10/26/16 07:22	
PG-SMA-1-2-161011	16J0187-02	I2161028-094	10/26/16 07:22	
PG-SMA-1-3-161011	16J0187-03	I2161028-095	10/26/16 07:22	
PG-REF-PJ-1-161011	16J0187-04	I2161028-096	10/26/16 07:22	
PG-REF-WS-1-161011	16J0187-05	I2161028-097	10/26/16 07:22	
PG-REF-GP-1-161011	16J0187-06	I2161028-098	10/26/16 07:22	
Blank	BEJ0777-BLK1	I2161028-081	10/26/16 07:22	
LCS	BEJ0777-BS1	I2161028-090	10/26/16 07:22	
PG-SMA-1-1-161011	BEJ0777-DUP1	I2161028-087	10/26/16 07:22	
PG-SMA-1-1-161011	BEJ0777-MS1	I2161028-089	10/26/16 07:22	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Digestion Log

Analyst: MR Date: 10/26/16 Time: 0900

Matrix: Tissue Block ID: #1 Block Temp: 96°C Thermometer: MP89

ARI Sample ID	Btl #	pH<2	Prep Code: FRN Initial Wt (g) ~~Vol (mL)~~	Prep Code: FRN Final Vol (mL)	Prep Code: Initial Wt (g) Vol (mL)	Prep Code: Final Vol (mL)	Comments
16H147-1	A	-	2.522	50.0			
16H268-1	|	-	2.504	|		
* 16J187-1	|	-	2.566	|		
" 2	|	-	2.546	|		
" 3	|	-	2.502	|		
" 4	|	-	2.584	|		
" 5	|	-	2.520	|		
" 6	A	-	2.545	|		
BEJ777-BLK1	-	-	-	|		
" BS1	-	-	-	|		
" DUP1	-	-	2.571	|		S:16J187-1
" MS1	-	-	2.561	50.0			"

MR 10/26/16

Chemical/Reagent ID:

HNO_3: E7787 HCl: — H_2O_2: E3996 Tube Lot #: 1512329

Analytical Resources, Incorporated

Form I

METHOD BLANK DATA SHEET

EPA 6010C

Total Metals

Blank

Batch: BEJ0777 Laboratory ID: BEJ0777-BLK1 Prepared: 10/26/16 07:22

Matrix: Tissue Preparation: FRN Tissue Digestion ICP Analyzed: 10/28/16 16:08

Sequence: SEJ0466 Calibration: ZJ00089 Instrument: ICP2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	MDL	MRL	Q
7440-43-9	Cadmium	ND	1	0.0025	0.0400	U

Analytical Resources, Incorporated

INSTRUMENT BLANKS
EPA 6010C

Laboratory: Analytical Resources, Inc.
SDG: 16J0187
Client: Anchor QEA, LLC
Project: Port Gamble Shellfish Monitoring
Instrument ID: ICP2
Calibration: ZJ00089
Sequence: SEJ0466
Date Analyzed: 10/28/16 11:09

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SEJ0466-ICB1	Cadmium	-0.0002	0.0003	0.0020	mg/L	
SEJ0466-CCB1	Cadmium	0.00003	0.0003	0.0020	mg/L	
SEJ0466-CCB2	Cadmium	0.0001	0.0003	0.0020	mg/L	
SEJ0466-CCB3	Cadmium	-0.0002	0.0003	0.0020	mg/L	
SEJ0466-CCB4	Cadmium	-0.0002	0.0003	0.0020	mg/L	
SEJ0466-IBL1	Cadmium	0.0002	0.0003	0.0020	mg/L	
SEJ0466-CCB5	Cadmium	0.000008	0.0003	0.0020	mg/L	
SEJ0466-CCB6	Cadmium	-0.0001	0.0003	0.0020	mg/L	
SEJ0466-CCB7	Cadmium	0.0001	0.0003	0.0020	mg/L	
SEJ0466-CCB8	Cadmium	0.00004	0.0003	0.0020	mg/L	
SEJ0466-CCB9	Cadmium	0.00007	0.0003	0.0020	mg/L	

Analytical Resources, Incorporated

DUPLICATES

EPA 6010C

Total Metals

PG-SMA-1-1-161011

Laboratory: Analytical Resources, Inc.
SDG: 16J0187
Client: Anchor QEA, LLC
Project: Port Gamble Shellfish Monitoring
Matrix: Tissue
Laboratory ID: BEJ0777-DUP1
Batch: BEJ0777
Lab Source ID: 16J0187-01
Preparation: FRN Tissue Digestion ICP ICP-MS
Initial/Final: 2.571 g / 50 mL
Source Sample Name: PG-SMA-1-1-161011
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg wet)	C	DUPLICATE CONCENTRATION (mg/kg wet)	C	RPD %	Q
Cadmium		0.557		0.561		0.771	

*: Values outside of QC limits
L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD

LCS / LCS DUPLICATE RECOVERY

EPA 6010C

Total Metals

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Matrix:	Tissue	Analyzed:	10/28/16 16:45
Batch:	BEJ0777	Laboratory ID:	BEJ0777-BS1
Preparation:	FRN Tissue Digestion ICP ICP-MS	Sequence Name:	LCS
Initial/Final:	2.5 g / 50 mL		

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
Cadmium	10.0	9.79	97.9	80 - 120

* Values outside of QC limits

PG-SMA-1-1-161011

MS / MS DUPLICATE RECOVERY

EPA 6010C

Total Metals

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Matrix:	Tissue	Analyzed:	10/28/16 16:40
Batch:	BEJ0777	Laboratory ID:	BEJ0777-MS1
Preparation:	FRN Tissue Digestion ICP ICP-MS	Sequence Name::	Matrix Spike
Initial/Final:	2.561 g / 50 mL	Source Sample:	PG-SMA-1-1-161011

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.
Cadmium	56.4	0.557	57.6	101	75 - 125

* Values outside of QC limits

INITIAL CALIBRATION DATA

EPA 6010C

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Calibration:	ZJ00089	Instrument:	ICP2
Calibration Date:	10/28/2016 10:50		

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Cadmium	0	0	10	17281.07	0		0		0			

INITIAL CALIBRATION DATA

EPA 6010C

Laboratory:	Analytical Resources, Inc.	SDG:	16J0187
Client:	Anchor QEA, LLC	Project:	Port Gamble Shellfish Monitoring
Calibration:	ZJ00089	Instrument:	ICP2
Calibration Date:	10/28/2016 10:50		

COMPOUND	Mean RF	RF RSD	Linear COD	Quad COD	COD Limit	Q
Cadmium	8640.535	141.4	1.0000			

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SAMPLE RUN LOG-ICP-OES-02
Perkin Elmer OPTIMA 7300
Serial No. – 077C8121202

SEQ: SEJ0466

IEC Date: 10-18-16 Analysis Date: 10-28-16 Analyst: TH

LR Date: 10-18-16 Page: 1 of 4

All corrections made by analyst unless otherwise noted. TH 10-28-16

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		SEQ- CAL1	ES751		
		- CAL2	ES875		
		- CAL3	ES876		
		- CAL4	ES877		
		- CAL5	ES878		
		- ICV1	E2008		
		- ICB1	ES751		
		- CRL1	ES360		
		- IFA1	E4967		Sn ↓
		- IFB1	E4968		
		- CCV1	E2008		
		↓ - CCB1	ES751		
		BEJ0840- BLK2	WMN		Si only
		BEJ0734- BLK1	↓		
		↓ - DUP1			
		16J0366-~~01~~02			
		BEJ0734- MS1			0.080 mL ICP SPK (E4986)
		↓ - BS1			↓
		BEJ0840- DUP2			Si only
		16J0438-02			↓
		BEJ0840- MS2			0.008 mL E2323
		↓ - BS2	↓		↓ ↓
		SEQ- CCV2			
		↓ - CCB2			

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SAMPLE RUN LOG-ICP-OES-02
Perkin Elmer OPTIMA 7300
Serial No. – 077C8121202

IEC Date: — Analysis Date: 10-28-16 Analyst: TH

LR Date: — Page: 2 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		SEQ-CAL5			
		↓ -CCV3			
		↓ -CCB3			
		BEJ0759-BLK1	WMN		
		16J0378-07	↓		
		↓ -09			
		↓ -10			
		↓ -11			
		↓ -12			
		BEJ0759-DUP1			
		16J0378-08			
		BEJ0759-MS1			0.080mL ICP SPK (E1986)
		↓ -BS1	↓		↓
		SEQ-CCV4			
		↓ -CCB4			
	✓	BEJ0643-BLK1	WMN		missed tube
		16J0341-01	↓		
		16J0356-01			
		16J0341-03			
		↓ -04			
		BEJ0643-DUP1			2nd Na ↓
		16J0341-02			
		BEJ0643-MS1			0.080mL (E1986) Ca, Fe, Mg, Mn, Na STL ↓
		↓ -BS1	↓		↓

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SAMPLE RUN LOG-ICP-OES-02
Perkin Elmer OPTIMA 7300
Serial No. – 077C8121202

IEC Date: — Analysis Date: 10-28-16 Analyst: TH

LR Date: — Page: 3 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		SEQ-IBL1			
		↓ -CCV5			
		↓ -CCB5			
		BEJ0633-BLK1	TWC		
		16J0341-05	WMN		
		-06	↓		
		-07			
		-08			
		↓ -09	↓		
		BEJ0633-DUP1	TWC		
		16J0247-01	↓		
		BEJ0633-MS1			
		↓ -BS1	↓		
		SEQ-CCV6			
		↓ -CCB6			
		BEJ0643-BLK1	WMN		
		BEJ0795-BLK1	SWC	2	
		16J0433-03	↓	5	2nd Na
		↓ -04		↓	↓
		16J0342-03		↓	
		↓ -02		2	
		BEJ0795-DUP1		↓	Co, Cu, Mg, Ni: RPD↑ (ER)
		16J0342-01			
		BEJ0795-MS1	↓	↓	No Mo SPIKE (ER) Al, Ca, Fe, Mg STL Cu, Ni: %R↓

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SAMPLE RUN LOG-ICP-OES-02
Perkin Elmer OPTIMA 7300
Serial No. – 077C8121202

IEC Date: — Analysis Date: 10-28-16 Analyst: TH

LR Date: — Page: 4 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		BEJ0795-BS1	SWC	2	No Mo Spike (ER)
		SEQ-CCV7			
		↓ -CCB7			
		BEJ0777-BLK1	FRN		
		16J0413-05	SWC	2	Mo NR
	✓	-06			Fe7LR
		-07			Mo NR.
	✓	-08			Ca7LR
		16H0147-01	FRN		
		BEJ0777-DUP1			
		16J0187-01			
		BEJ0777-MS1			ICP-MS Spk #1
		↓ -BS1		2	↓
		SEQ-CCV8			
		↓ -CCB8			
		16H0268-01	FRN		
		16J0187-02			
		-03			
		-04			
		-05			
		↓ -06			
		SEQ-CCV9			Na 330 ↑
		↓ -CCB9			
		Rinse/DI			

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	136.0 kPa	0.65 L/min

==========

10/28/2016 10:17:17 AM Hg ReAlign... Actual peak offset (nm): 0.003
Drift (nm): -0.000 Slit adjustment: 0

==========

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	136.0 kPa	0.65 L/min

==========

10/28/2016 10:25:51 AM Hg ReAlign... Actual peak offset (nm): 0.003
Drift (nm): 0.000 Slit adjustment: 0

==========

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Analysis Begun

Start Time: 10/28/2016 10:29:39 AM **Plasma On Time: 10/28/2016 9:23:58 AM**
Logged In Analyst: metinst **Technique: ICP Continuous**
Spectrometer: Optima 7300 DV, S/N 077C8121202 **Autosampler: ESI**

Sample Information File: C:\pe\metals\Sample Information\BLKS.sif
Batch ID:
Results Data Set: I2161028
Results Library: C:\Documents and Settings\All Users\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Method Loaded
Method Name: ELMT7300bcESI2FAST **Method Last Saved: 12/7/2015 11:08:22 AM**
IEC File: IEC101816.iec **MSF File:**
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

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Sequence No.: 1 **Autosampler Location: 1**