LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038386.D
Acq On : 29 May 2020 19:15
Operator : JC/MD
Sample : L2749-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.510	43	53	70	rBV	59544	186627	6.19%	1.290%
2	1.613	77	85	95	rBV	141455	175913	5.83%	1.216%
3	1.932	177	184	203	rVB	127031	173342	5.75%	1.199%
4	2.401	322	330	344	rVB	95251	145141	4.81%	1.004%
5	2.594	376	390	405	rBV	238488	388100	12.87%	2.684%
6	3.395	625	639	655	rVB5	15568	34857	1.16%	0.241%
7	4.034	821	838	858	rVB2	50655	133939	4.44%	0.926%
8	4.674	1019	1037	1067	rBV2	206252	613012	20.32%	4.239%
9	5.102	1151	1170	1189	rBV	243102	542981	18.00%	3.755%
10	5.761	1354	1375	1404	rBV2	445846	1176924	39.01%	8.138%
11	6.282	1521	1537	1555	rBV	364295	697935	23.14%	4.826%
12	6.722	1659	1674	1700	rBV	279513	558101	18.50%	3.859%
13	7.591	1931	1944	1961	rBV	142133	249139	8.26%	1.723%
14	7.922	2032	2047	2061	rBV	530137	955439	31.67%	6.607%
15	7.992	2061	2069	2083	rVB2	48056	89042	2.95%	0.616%
16	8.201	2120	2134	2149	rBV	91469	152355	5.05%	1.053%
17	8.655	2262	2275	2314	rBV	805725	1478871	49.02%	10.226%
18	9.436	2505	2518	2522	rBV	529096	842423	27.93%	5.825%
19	9.780	2614	2625	2638	rBV3	27888	47401	1.57%	0.328%
20	10.497	2838	2848	2860	rBV	50482	79394	2.63%	0.549%
21	10.770	2922	2933	2944	rBV	221095	358863	11.90%	2.481%
22	11.304	3087	3099	3117	rVB2	15611	31341	1.04%	0.217%
23	11.825	3248	3261	3281	rBV2	579722	1088004	36.07%	7.523%
24	12.028	3316	3324	3335	rVB2	21930	32192	1.07%	0.223%
25	12.105	3335	3348	3364	rVB	100356	159164	5.28%	1.101%
26	12.204	3364	3379	3397	rVB	600886	994789	32.98%	6.879%
27	16.966	4847	4860	4881	rBV	1913599	3016657	100.00%	20.859%
28	17.162	4910	4921	4932	rBV	31859	59874	1.98%	0.414%

Sum of corrected areas: 14461820

LSC Report - Integrated Chromatogram

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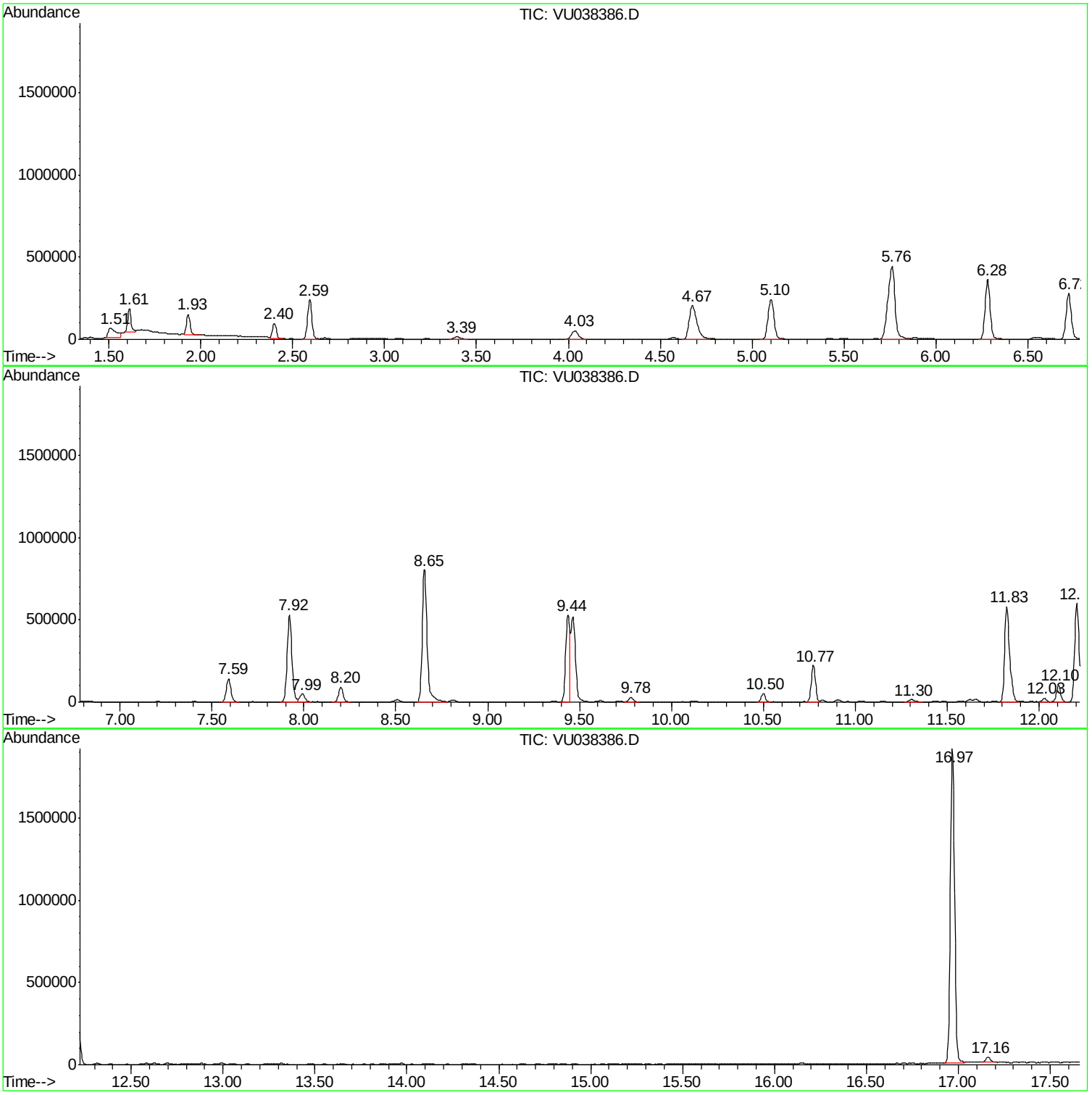
Sample : L2749-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : VU038386.D
Acq On : 29 May 2020 19:15
Operator : JC/MD
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ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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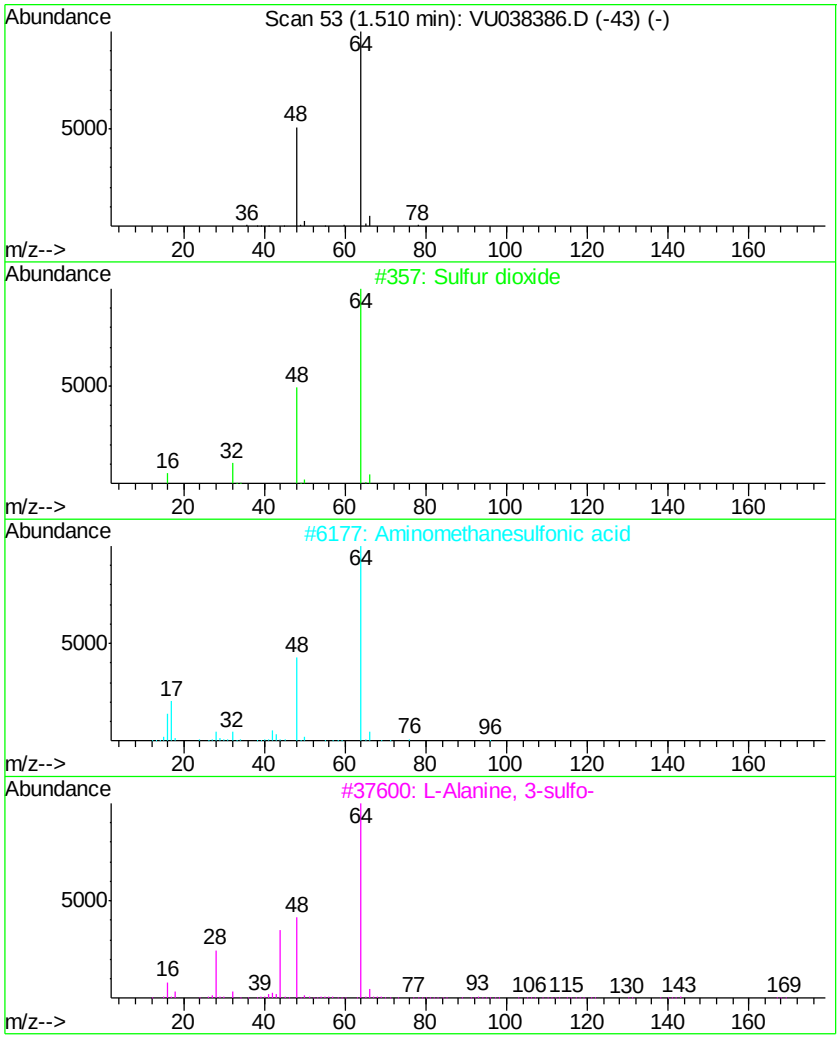
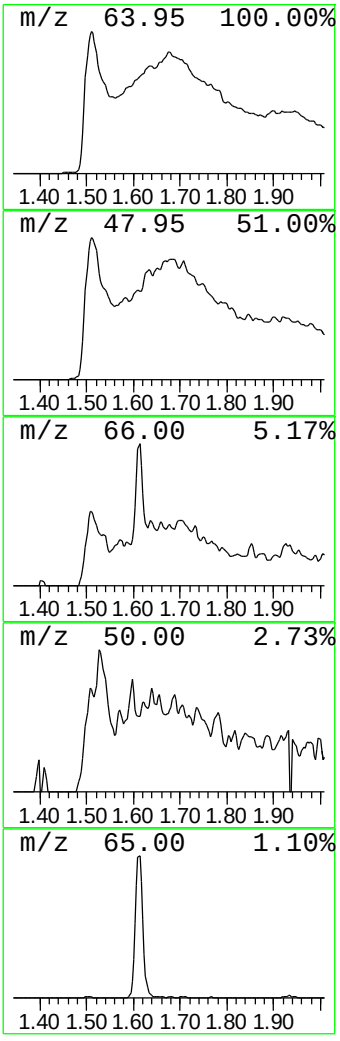
Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	1.34 ug/L	186627	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9





Library Search Compound Report

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Data File : VU038386.D
Acq On : 29 May 2020 19:15
Operator : JC/MD
Sample : L2749-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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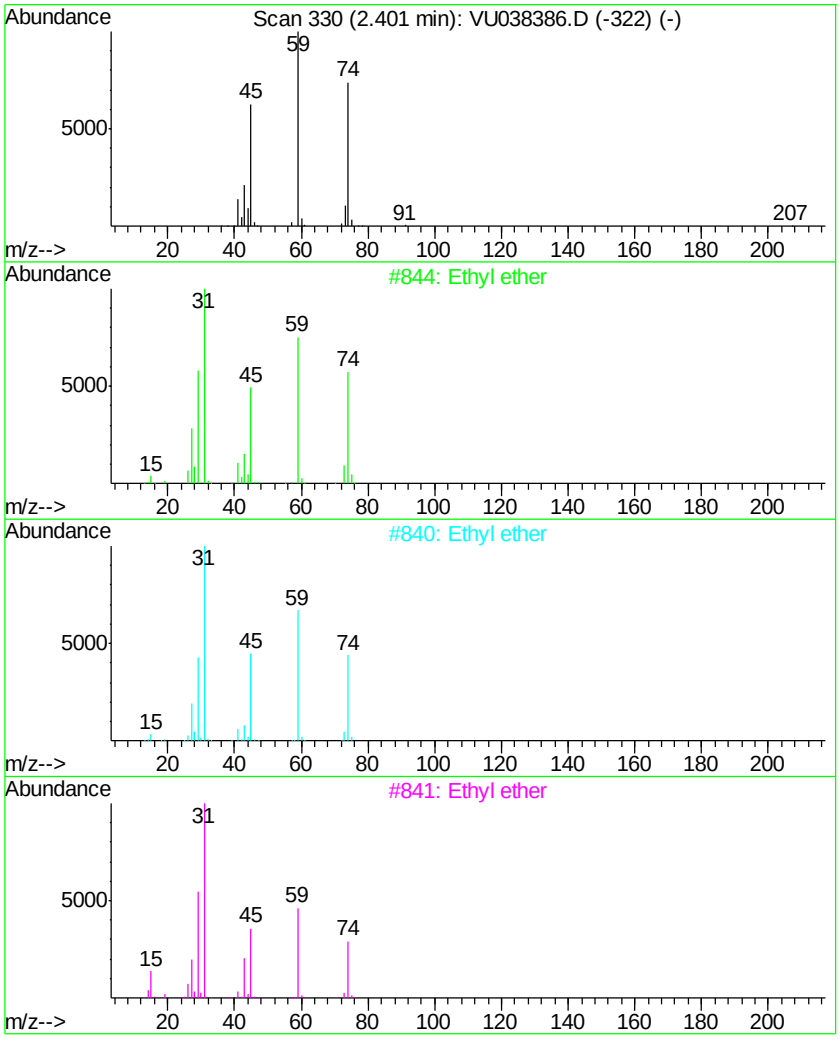
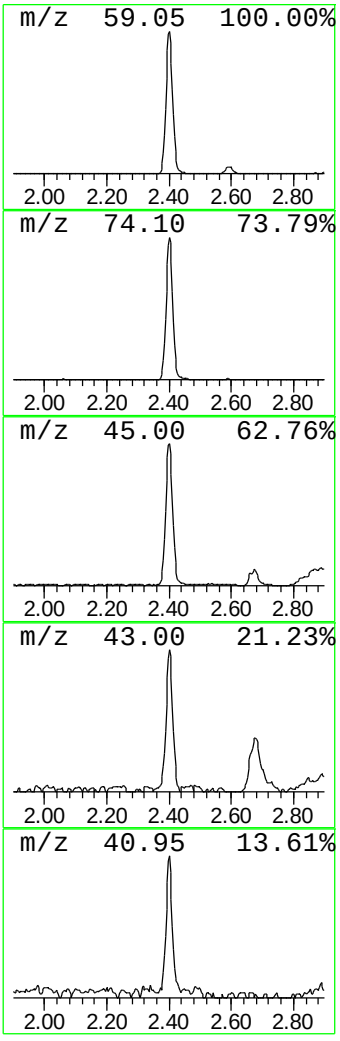
Peak Number 2 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	1.04 ug/L	145141	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	86
3	Ethyl ether	74	C4H10O	000060-29-7	78
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
Data File : VU038386.D
Acq On : 29 May 2020 19:15
Operator : JC/MD
Sample : L2749-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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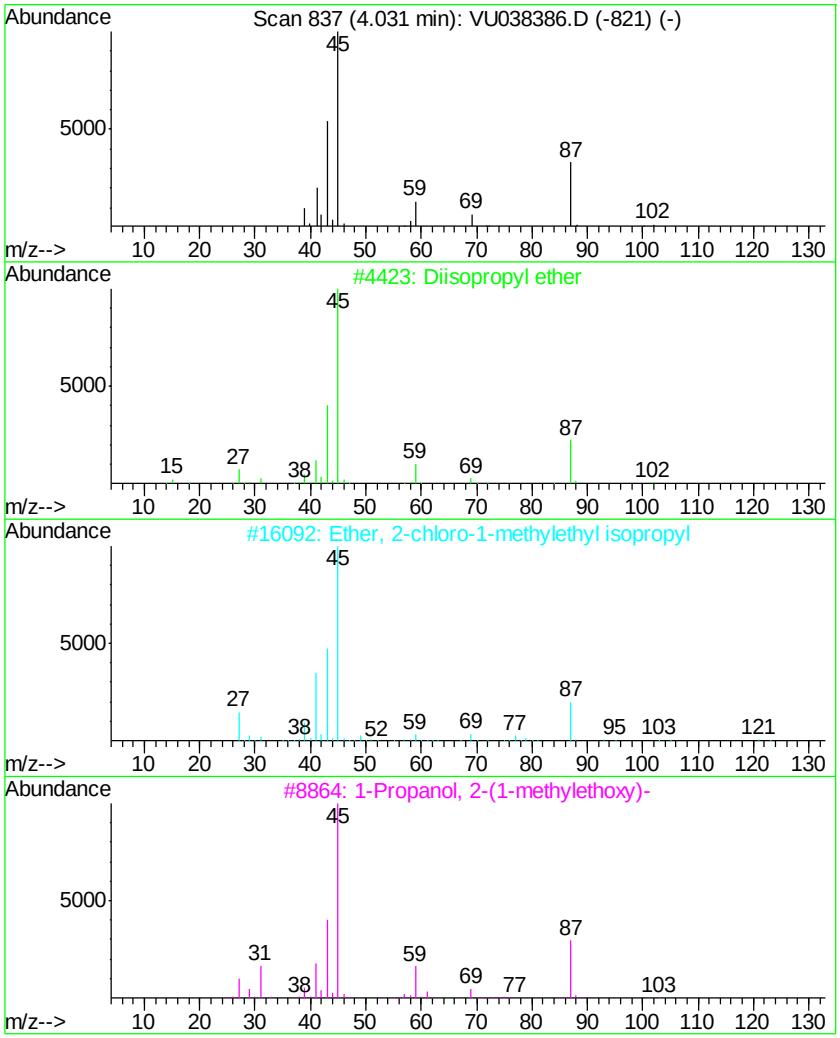
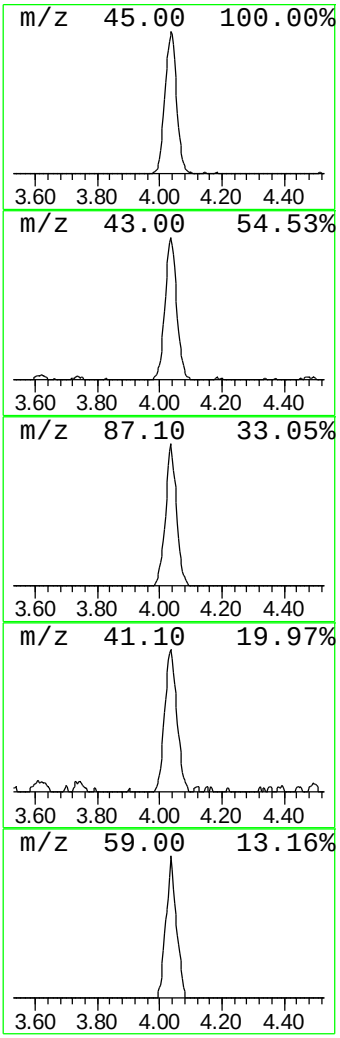
Peak Number 3 Diisopropyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	0.96 ug/L	133939	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	83
2	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	78
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
4	Diisopropyl ether	102	C6H14O	000108-20-3	72
5	Diisopropyl ether	102	C6H14O	000108-20-3	64





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Acq On : 29 May 2020 19:15
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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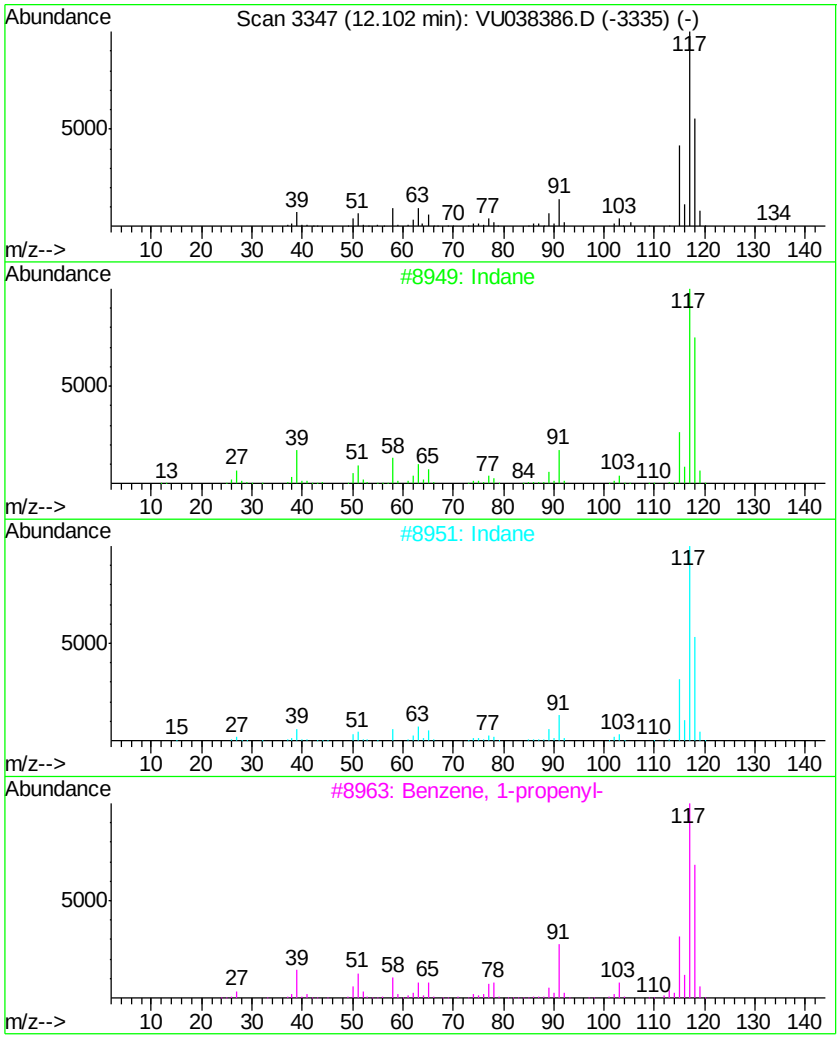
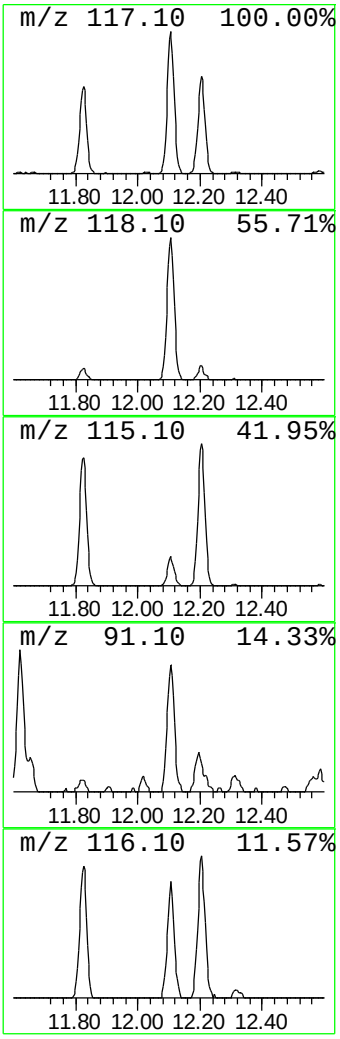
Peak Number 5 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	0.73 ug/L	159164	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Indane	118	C9H10	000496-11-7	76
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





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Sample : L2749-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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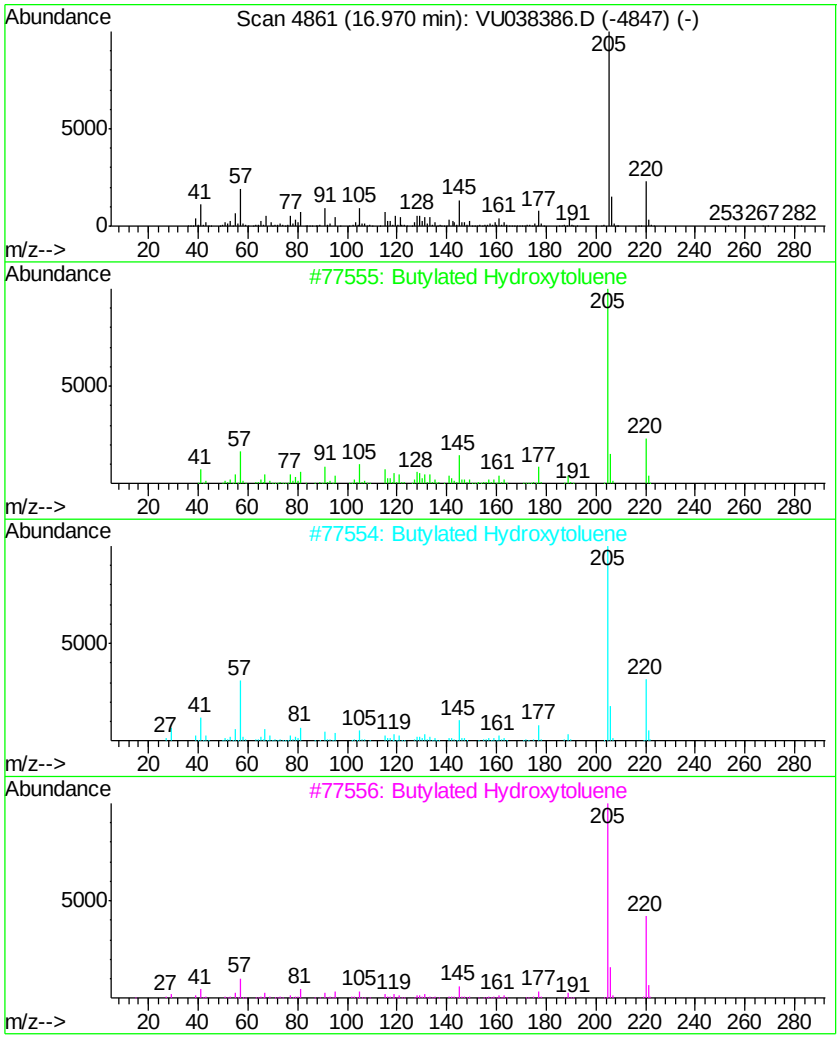
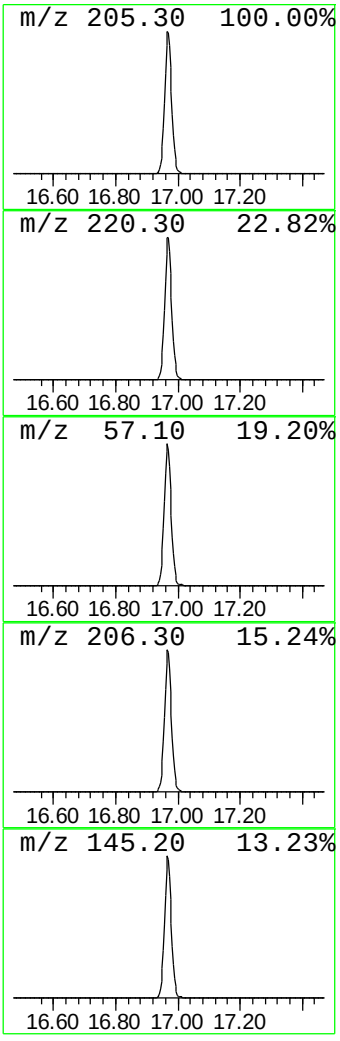
Peak Number 6 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	13.86 ug/L	3016660	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	99
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	96
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
5	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	91





Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SOM01.0

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.51	1.3	ug/L	186627	1	6.28	697935	5.0
Ethyl ether	2.40	1.0	ug/L	145141	1	6.28	697935	5.0
Diisopropyl ether	4.03	1.0	ug/L	133939	1	6.28	697935	5.0
Indane	12.10	0.7	ug/L	159164	3	11.83	1088000	5.0
Butylated Hydroxy...	16.97	13.9	ug/L	3016660	3	11.83	1088000	5.0