LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052720\
Data File : VU038327.D
Acq On : 27 May 2020 17:42
Operator : JC/MD
Sample : L2749-14
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 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	1.498	40	49	61	rBV	59624	139199	3.80%	0.904%
2	1.610	77	84	96	rBV	142847	166836	4.55%	1.084%
3	1.929	176	183	195	rVB	121680	161621	4.41%	1.050%
4	2.401	321	330	349	rVB	105902	173330	4.73%	1.126%
5	2.591	377	389	403	rBV	227506	367509	10.02%	2.387%
6	3.395	623	639	655	rBV4	17031	38188	1.04%	0.248%
7	4.035	821	838	862	rBV2	57994	152882	4.17%	0.993%
8	4.668	1019	1035	1069	rBV	242556	626657	17.09%	4.070%
9	5.102	1154	1170	1190	rBV2	244320	537713	14.66%	3.492%
10	5.761	1354	1375	1402	rBV2	445337	1181957	32.23%	7.677%
11	6.279	1521	1536	1554	rBV	364902	699091	19.06%	4.541%
12	6.543	1603	1618	1642	rBV6	13233	51147	1.39%	0.332%
13	6.723	1660	1674	1700	rBV	282828	562308	15.33%	3.652%
14	7.591	1931	1944	1958	rBV	146902	254503	6.94%	1.653%
15	7.922	2033	2047	2061	rBV	546012	959002	26.15%	6.229%
16	7.993	2062	2069	2083	rVB	50140	87682	2.39%	0.569%
17	8.202	2120	2134	2150	rBV	93240	156953	4.28%	1.019%
18	8.655	2260	2275	2313	rBV	847825	1529491	41.71%	9.934%
19	9.436	2504	2518	2522	rBV	521001	842467	22.97%	5.472%
20	9.777	2614	2624	2636	rBV	32244	55088	1.50%	0.358%
21	10.501	2835	2849	2861	rBV	83930	135844	3.70%	0.882%
22	10.774	2922	2934	2944	rBV	225399	360372	9.83%	2.341%
23	10.906	2963	2975	2985	rBV6	22510	39397	1.07%	0.256%
24	11.825	3248	3261	3280	rBV2	585452	1122851	30.62%	7.293%
25	12.028	3315	3324	3334	rVV2	28600	40543	1.11%	0.263%
26	12.105	3334	3348	3362	rVB	107943	174870	4.77%	1.136%
27	12.205	3366	3379	3398	rVB	608872	1039897	28.36%	6.754%
28	16.963	4845	4859	4882	rBV	2290192	3667080	100.00%	23.817%
29	17.159	4912	4920	4932	rVB3	41179	72195	1.97%	0.469%

Sum of corrected areas: 15396673

LSC Report - Integrated Chromatogram

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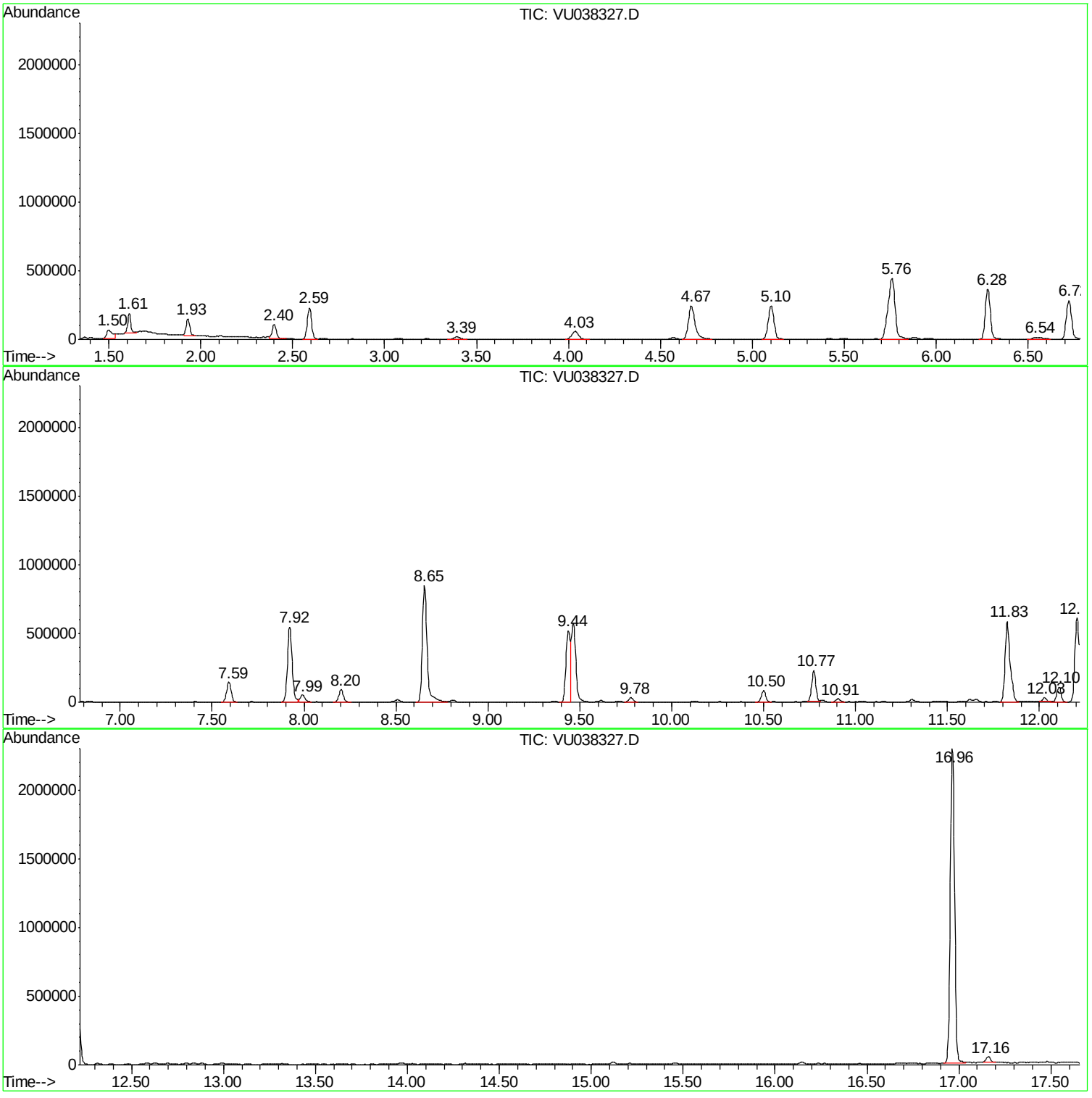
Sample : L2749-14
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

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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TIC Library : C:\DATABASE\NIST11.L
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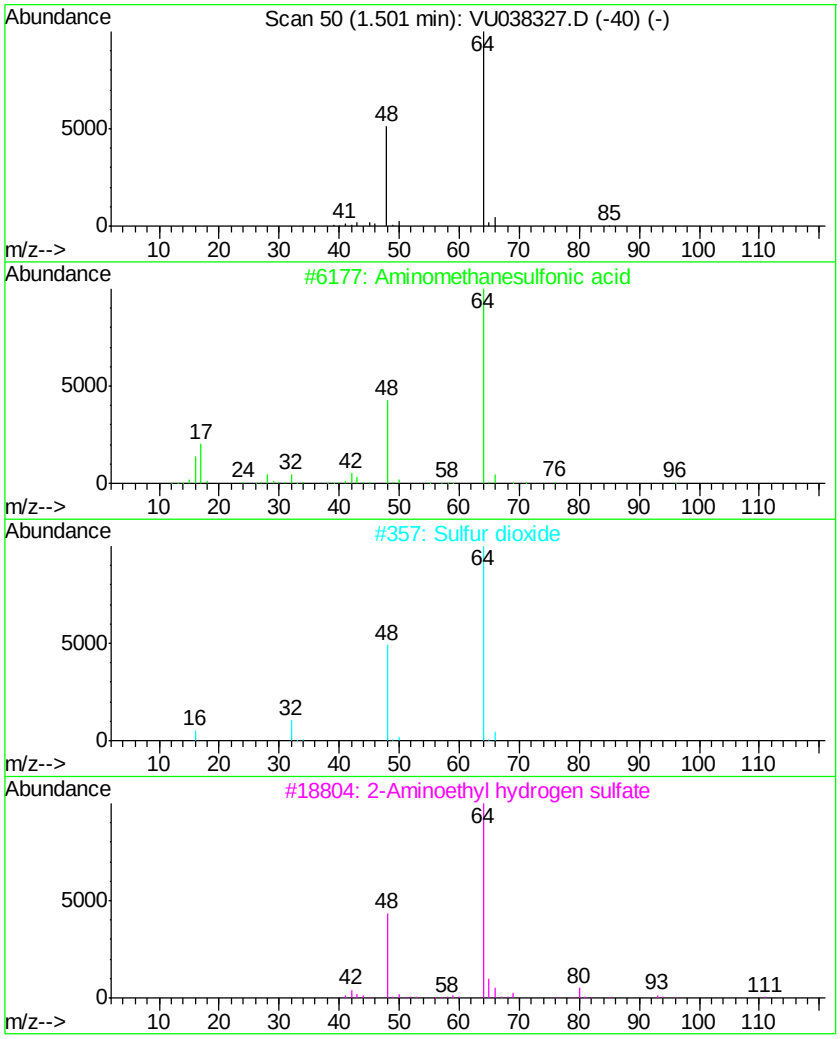
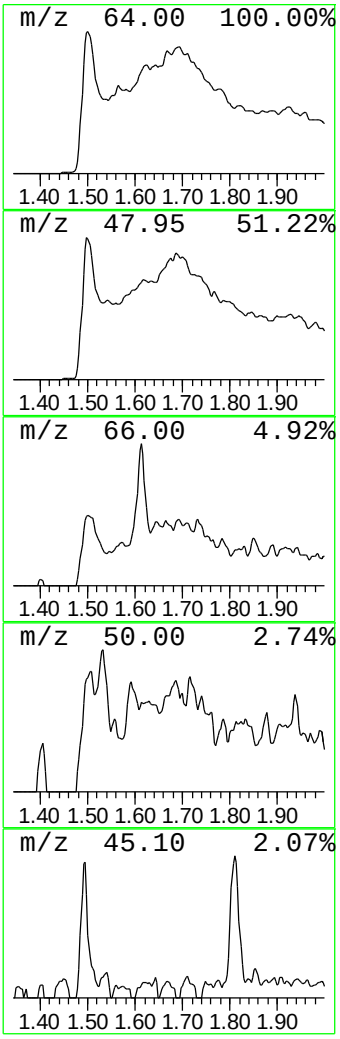
Peak Number 1 Aminomethanesulfonic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	1.00 ug/L	139199	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	83
2	Sulfur dioxide	64	O2S	007446-09-5	83
3	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	9





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Operator : JC/MD
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 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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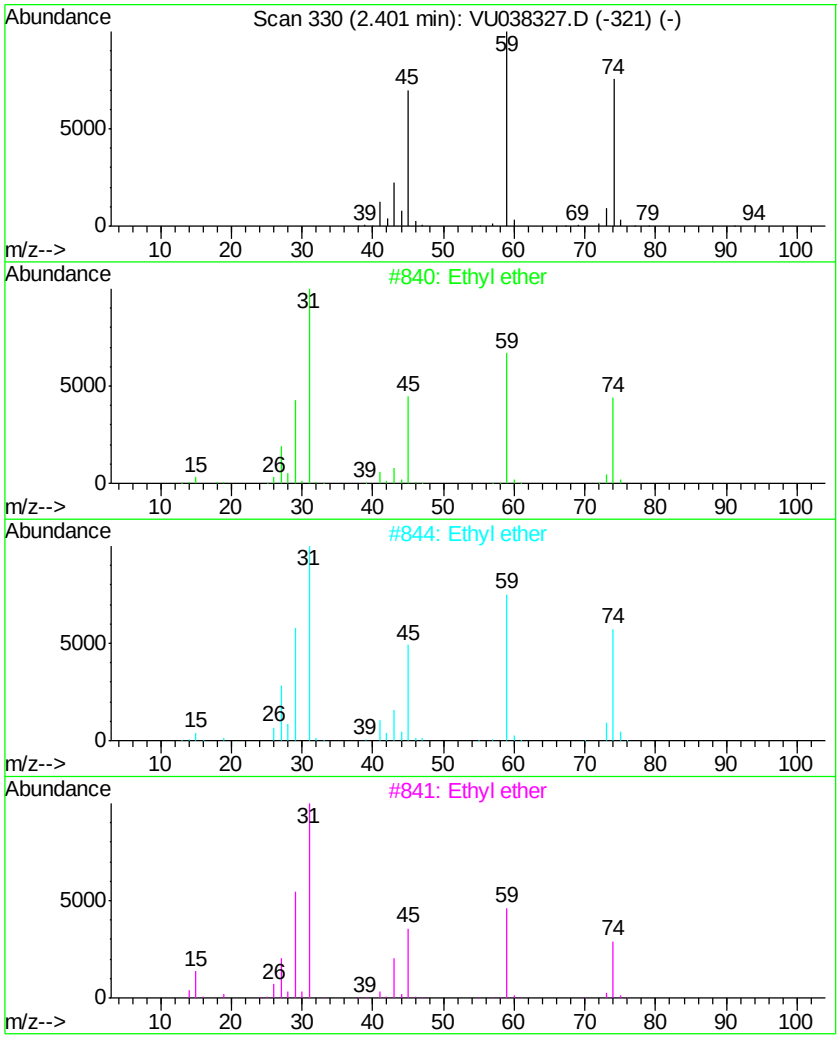
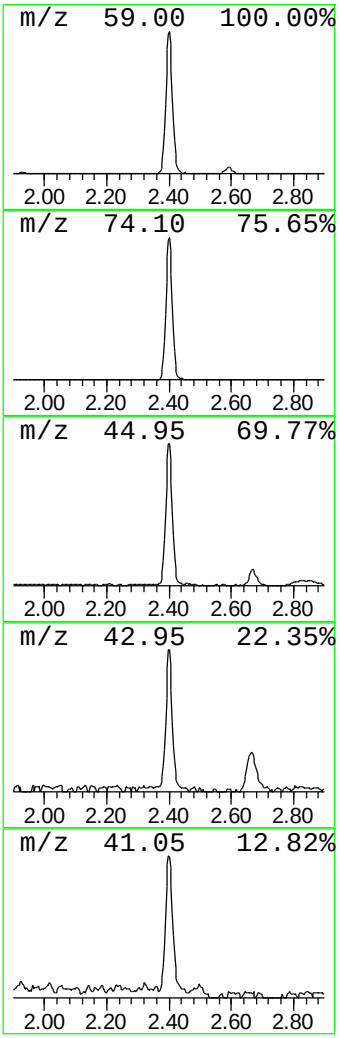
Peak Number 2 Ethyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	1.24 ug/L	173330	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	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	56
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56





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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 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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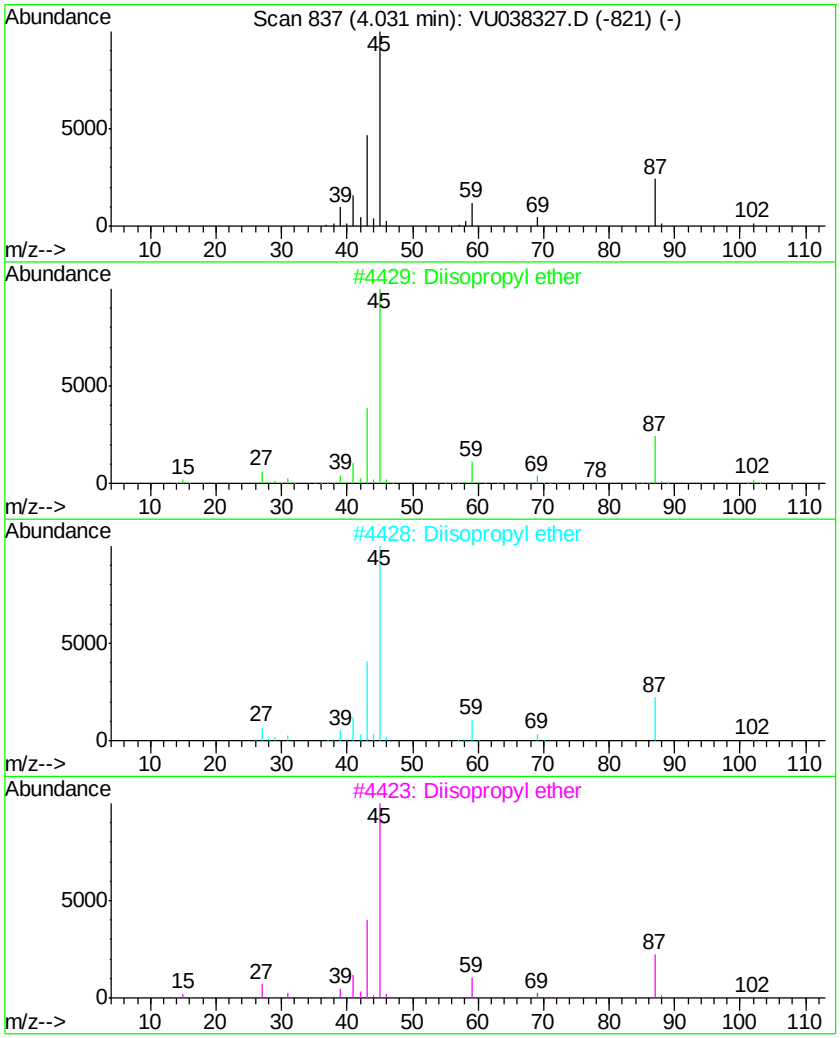
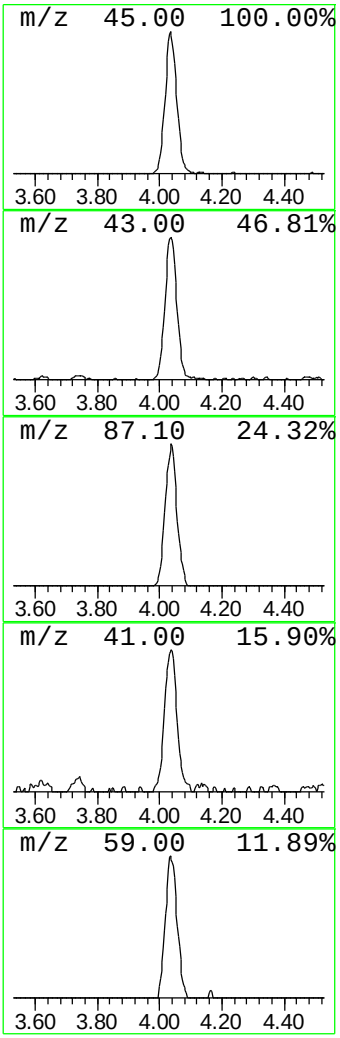
Peak Number 3 Diisopropyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	1.09 ug/L	152882	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	74
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64





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ALS Vial : 1 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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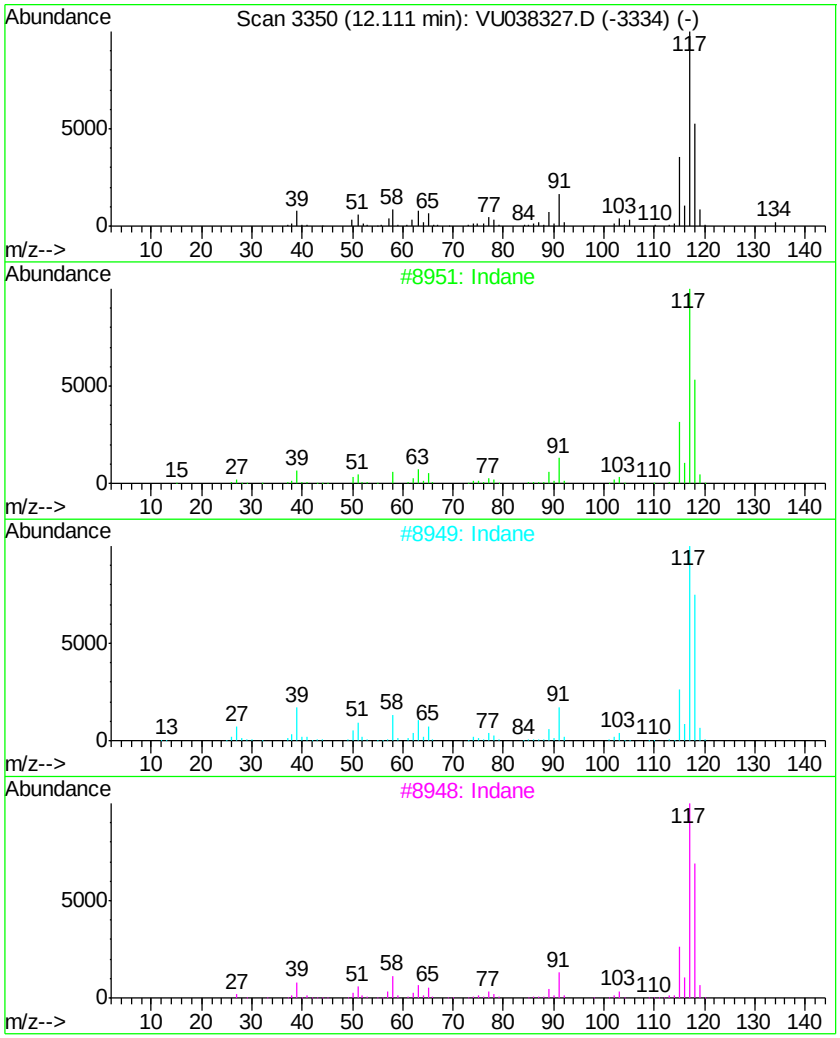
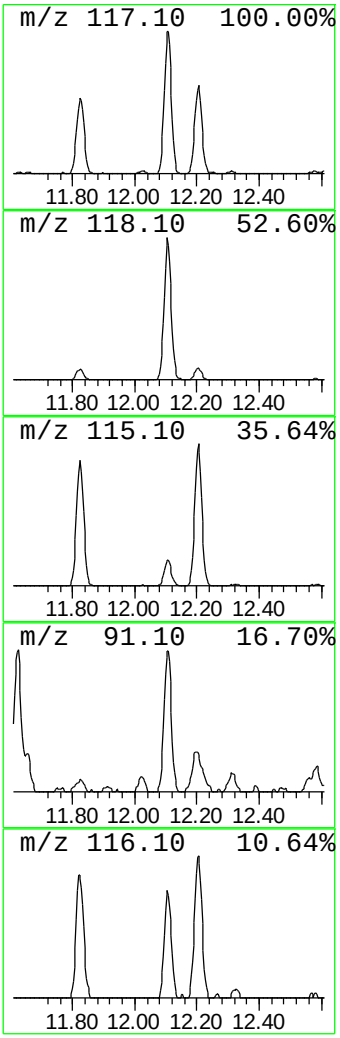
Peak Number 5 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	0.78 ug/L	174870	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BE4X8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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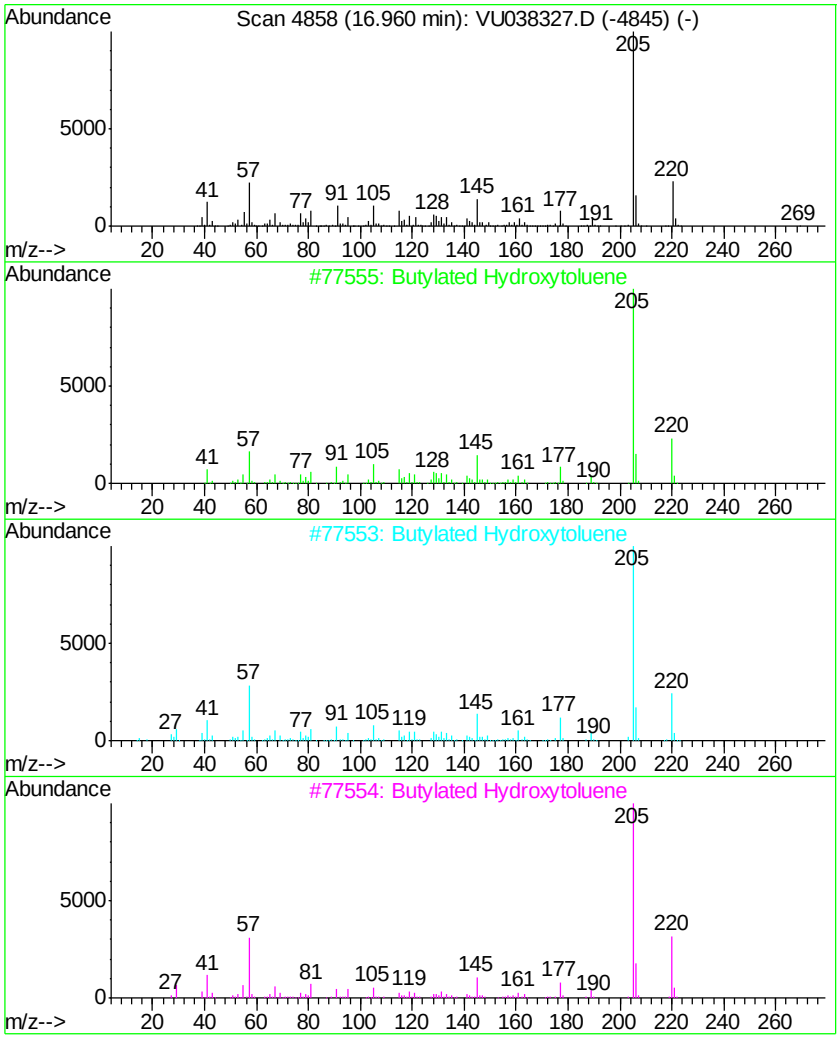
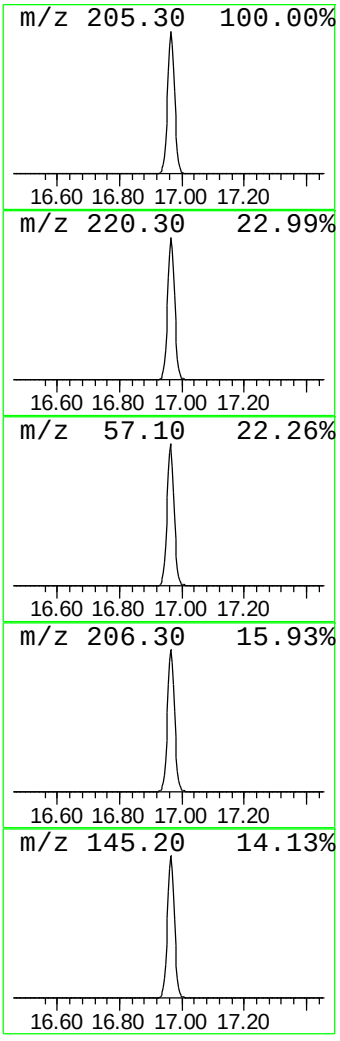
Peak Number 6 Butylated Hydroxytoluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	16.33 ug/L	3667080	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	96
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	94
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	81





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Aminomethanesulfo...	1.50	1.0	ug/L	139199	1	6.28	699091	5.0
Ethyl ether	2.40	1.2	ug/L	173330	1	6.28	699091	5.0
Diisopropyl ether	4.03	1.1	ug/L	152882	1	6.28	699091	5.0
Indane	12.11	0.8	ug/L	174870	3	11.83	1122850	5.0
Butylated Hydroxy...	16.96	16.3	ug/L	3667080	3	11.83	1122850	5.0