LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
Data File : VV013409.D
Acq On : 29 Oct 2019 21:29
Operator : SY/MD
Sample : K5597-07
Misc : 25.0ML/MSVOA V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD8

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_V\METHOD\SOMVTR102919WMA.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	1.116	4	8	24	rVB3	51666	67961	3.69%	0.349%
2	1.222	34	41	62	rBV	254865	566476	30.79%	2.907%
3	1.315	64	70	80	rVB	269805	304879	16.57%	1.564%
4	1.582	146	153	162	rVB	207915	233784	12.71%	1.200%
5	1.647	170	173	180	rVB	32554	34956	1.90%	0.179%
6	2.129	313	323	341	rVB	398304	561883	30.54%	2.883%
7	2.605	463	471	479	rVB2	17351	30594	1.66%	0.157%
8	2.791	517	529	542	rBV2	82025	144567	7.86%	0.742%
9	3.811	831	846	858	rBV4	34598	90932	4.94%	0.467%
10	3.958	876	892	934	rBV4	368664	1161225	63.11%	5.959%
11	4.138	938	948	973	rVB2	37685	112780	6.13%	0.579%
12	4.399	1008	1029	1051	rBV	315337	784937	42.66%	4.028%
13	4.727	1115	1131	1141	rBV4	33641	82324	4.47%	0.422%
14	5.093	1228	1245	1256	rBV3	752957	1817528	98.78%	9.326%
15	5.370	1321	1331	1341	rVB6	14004	27113	1.47%	0.139%
16	5.663	1405	1422	1441	rBV	428535	870154	47.29%	4.465%
17	5.958	1501	1514	1531	rBV2	267727	523686	28.46%	2.687%
18	6.116	1543	1563	1575	rBV	422033	859484	46.71%	4.410%
19	6.402	1646	1652	1664	rVB	10364	21174	1.15%	0.109%
20	7.029	1835	1847	1860	rBV	204441	364855	19.83%	1.872%
21	7.357	1937	1949	1963	rVV	872654	1482824	80.59%	7.609%
22	7.431	1963	1972	1986	rVB	100876	170317	9.26%	0.874%
23	7.662	2034	2044	2070	rVB2	122580	235320	12.79%	1.208%
24	8.016	2141	2154	2171	rBV	1103951	1839906	100.00%	9.441%
25	8.135	2178	2191	2226	rBV2	791597	1697209	92.24%	8.709%
26	8.331	2244	2252	2260	rVB4	13552	21646	1.18%	0.111%
27	8.894	2415	2427	2445	rBV	718924	1165853	63.36%	5.982%
28	9.055	2466	2477	2490	rBV	75761	123190	6.70%	0.632%
29	9.183	2500	2517	2526	rBV	53822	97791	5.31%	0.502%
30	9.585	2634	2642	2649	rBV	17374	26351	1.43%	0.135%
31	9.974	2753	2763	2772	rBV2	23905	38330	2.08%	0.197%
32	10.257	2838	2851	2871	rBV	295488	483112	26.26%	2.479%
33	10.392	2882	2893	2908	rBV	41235	79508	4.32%	0.408%
34	10.514	2916	2931	2939	rBV2	17959	44706	2.43%	0.229%

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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
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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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

35	10.778	3004	3013	3021	rBV3	12699	22907	1.25%	0.118%
36	11.289	3161	3172	3191	rBV	814206	1282198	69.69%	6.579%
37	11.572	3248	3260	3272	rBV	110869	199918	10.87%	1.026%
38	11.669	3277	3290	3308	rVB	861604	1356531	73.73%	6.961%
39	12.058	3403	3411	3416	rBV	24318	35564	1.93%	0.182%
40	12.157	3434	3442	3455	rBV3	42967	76715	4.17%	0.394%
41	12.456	3523	3535	3544	rVB5	16849	35730	1.94%	0.183%
42	12.765	3623	3631	3640	rVB3	22543	33828	1.84%	0.174%
43	12.926	3673	3681	3691	rVB3	51118	80063	4.35%	0.411%
44	13.090	3724	3732	3742	rBV9	13885	23338	1.27%	0.120%
45	13.312	3792	3801	3810	rVV9	16876	27767	1.51%	0.142%
46	13.546	3865	3874	3884	rBV	56835	87954	4.78%	0.451%
47	14.678	4220	4226	4236	rBV4	15108	25630	1.39%	0.132%
48	14.865	4276	4284	4294	rVB5	18670	32535	1.77%	0.167%

Sum of corrected areas: 19488033

LSC Report - Integrated Chromatogram

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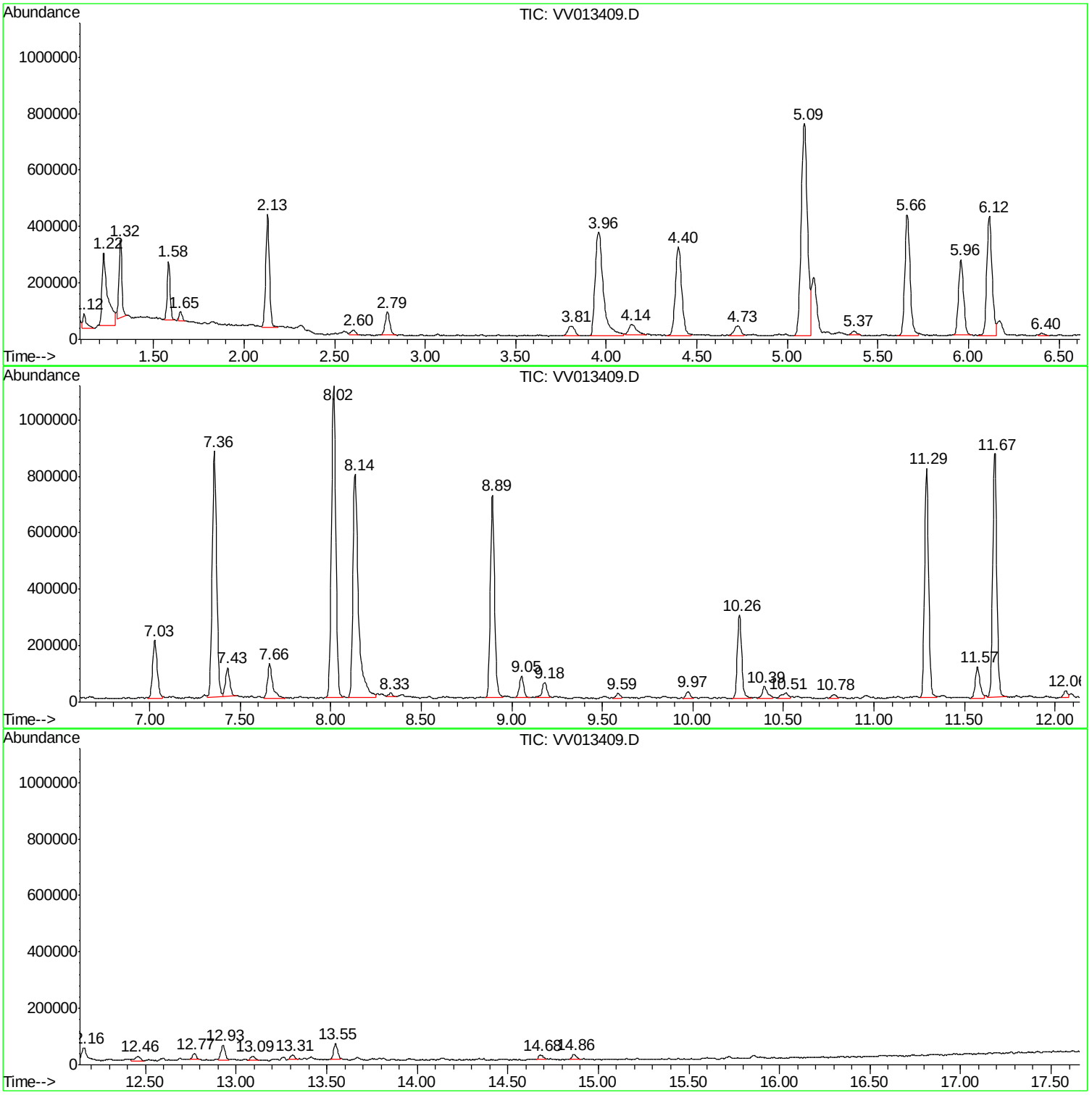
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.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 : VV013409.D
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Operator : SY/MD
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Instrument : MSVOA_V
ClientSampleId : GAQD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

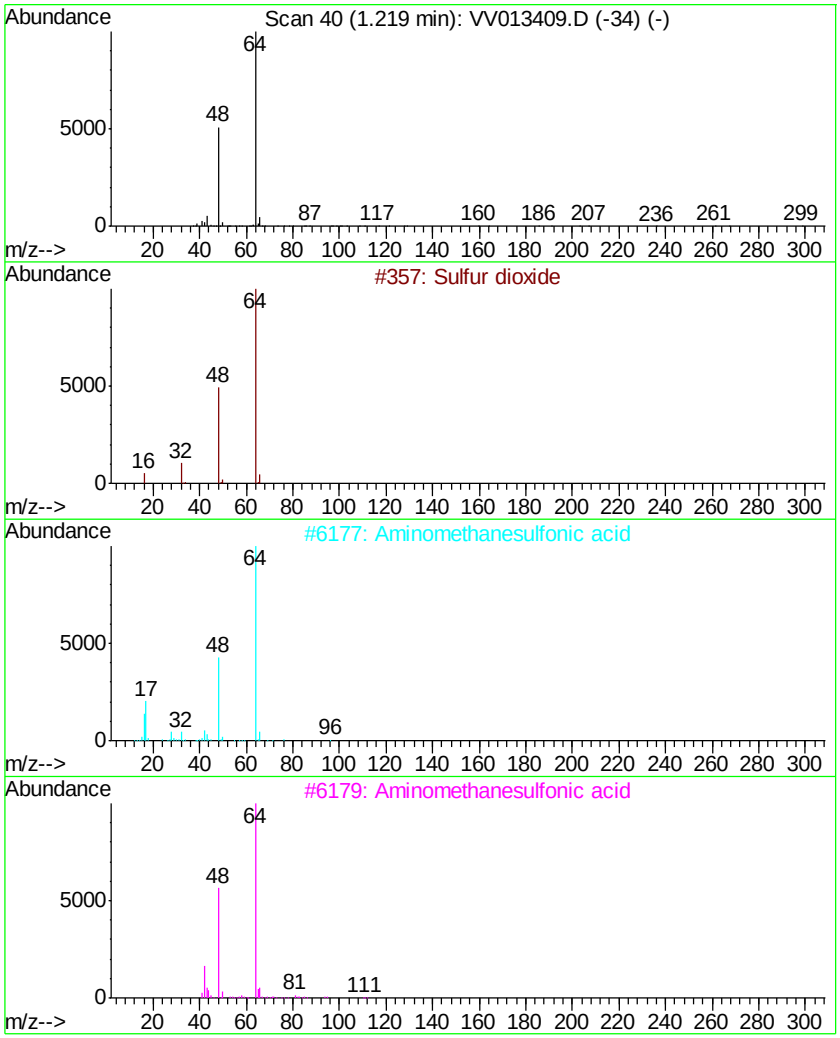
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

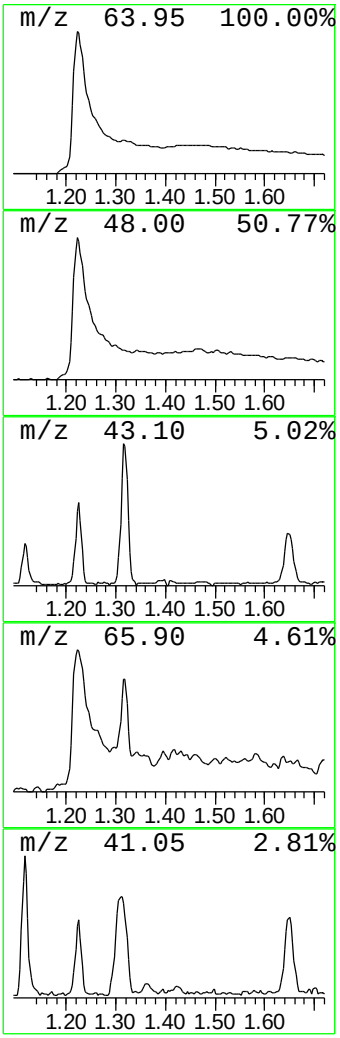
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	3.26 ug/L	566476	1,4-Difluorobenzene	5.66

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	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	64
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	5





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Instrument : MSVOA_V
ClientSampleId : GAQD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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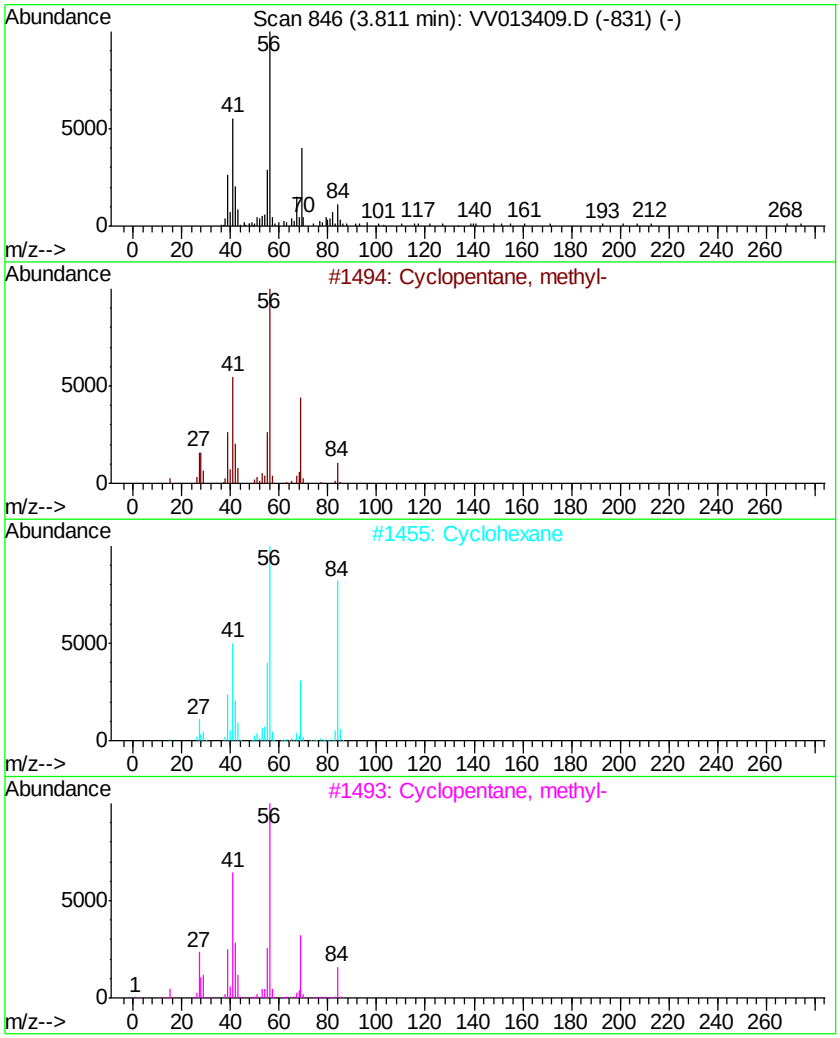
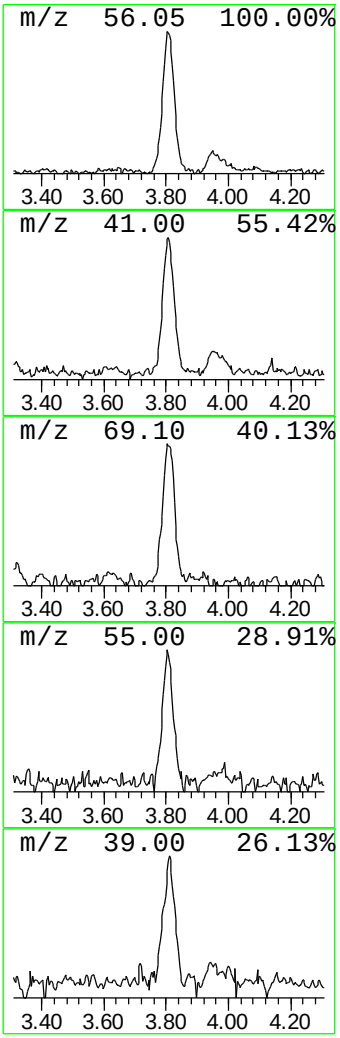
Peak Number 2 (DEL) Alkane: Cyclic3.81 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	0.52 ug/L	90932	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclohexane	84	C6H12	000110-82-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	72





Library Search Compound Report

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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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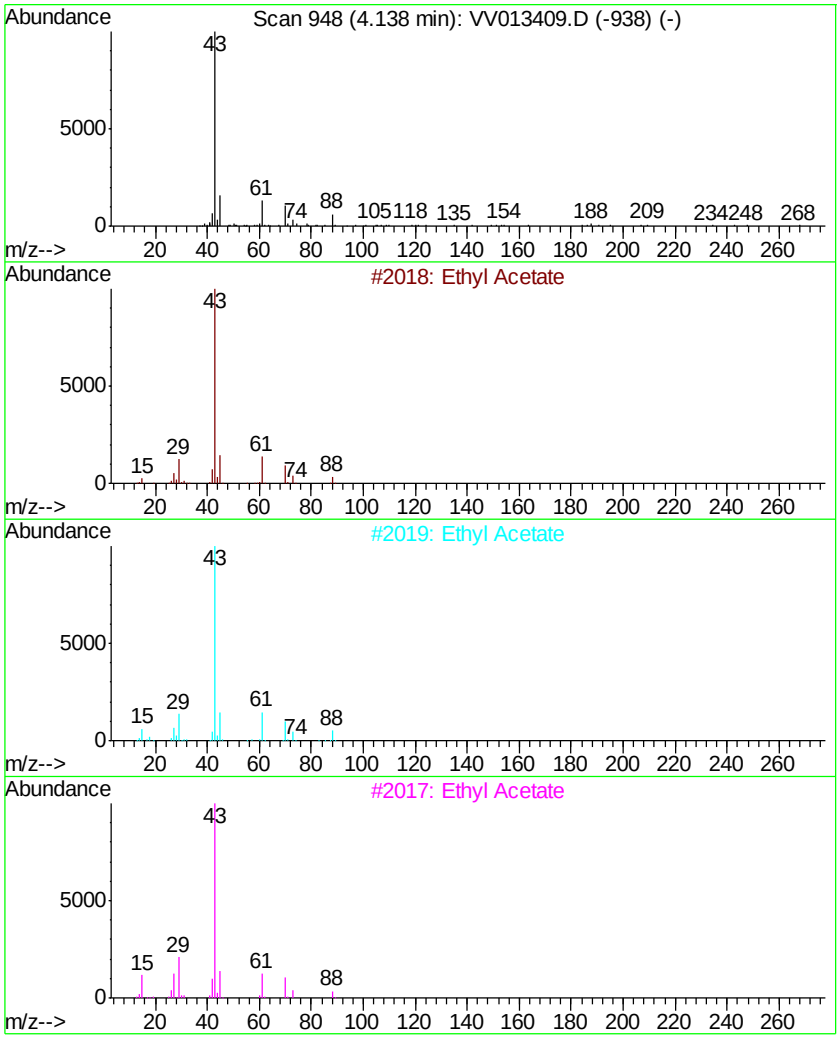
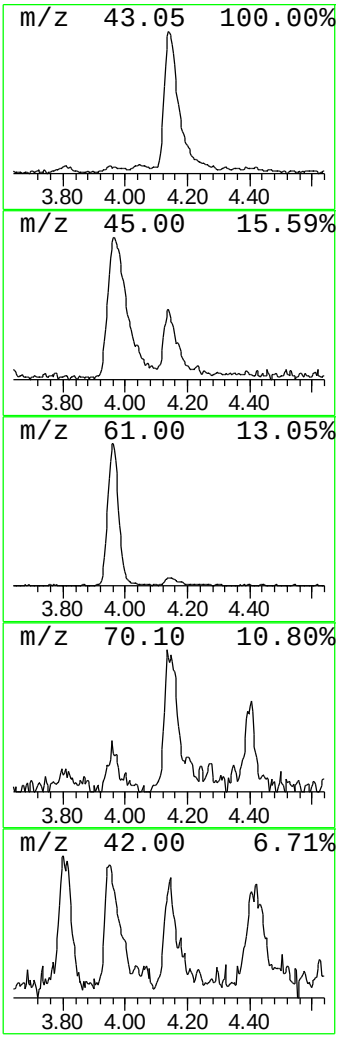
Peak Number 3 Ethyl Acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	0.65 ug/L	112780	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	72
2	Ethyl Acetate	88	C4H8O2	000141-78-6	64
3	Ethyl Acetate	88	C4H8O2	000141-78-6	64
4	Ethyl Acetate	88	C4H8O2	000141-78-6	40
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	16





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Instrument : MSVOA_V
ClientSampleId : GAQD8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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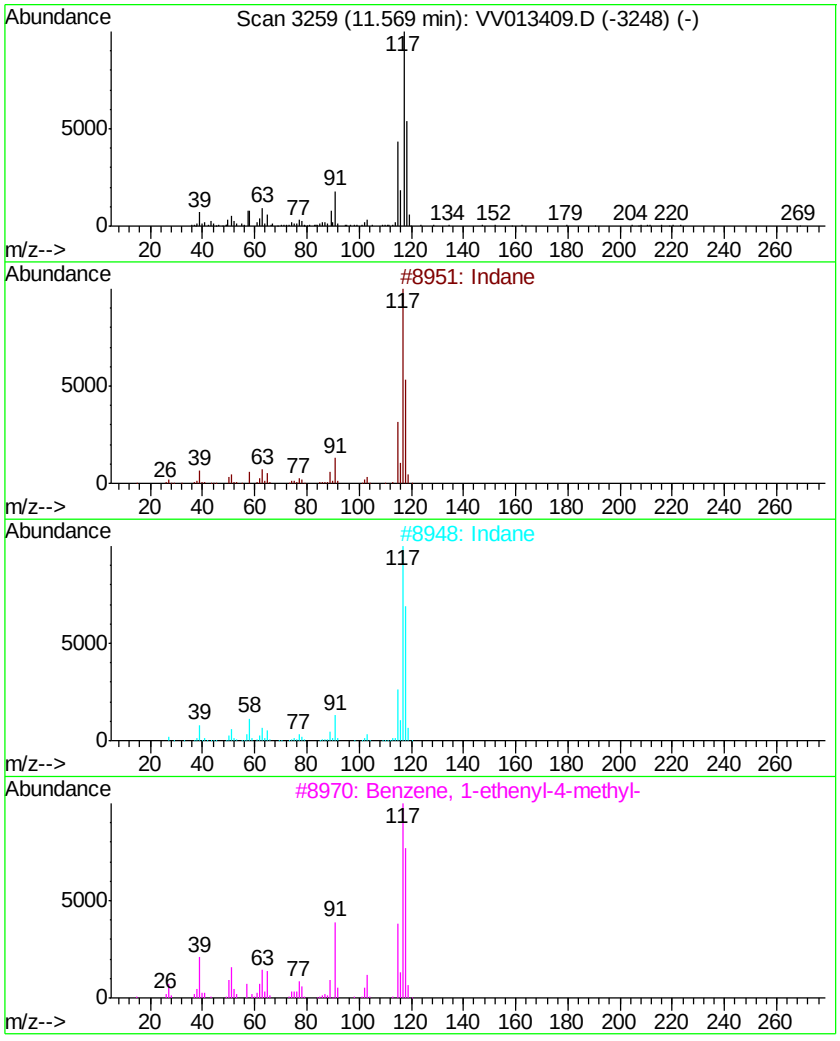
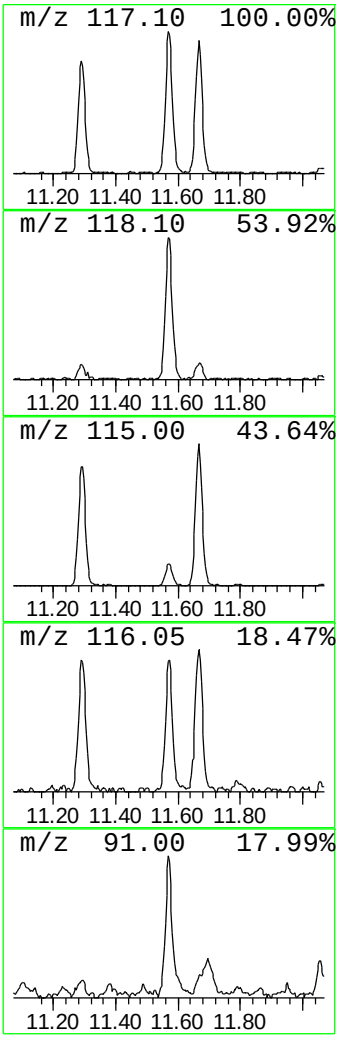
Peak Number 5 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.78 ug/L	199918	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	62
5	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	58





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
Sulfur dioxide	1.22	3.3	ug/L	566476	1	5.66	870154	5.0
(DEL) Alkane: Cyc...	3.81	0.5	ug/L	90932	1	5.66	870154	5.0
Ethyl Acetate	4.14	0.7	ug/L	112780	1	5.66	870154	5.0
Indane	11.57	0.8	ug/L	199918	3	11.29	1282200	5.0