LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_W\METHOD\SOM2WLM073118S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.618	3	5	10	rVB3	645	1019	0.01%	0.005%
2	1.673	10	14	15	rBV3	440	424	0.00%	0.002%
3	1.746	17	26	28	rBV	8296	16217	0.19%	0.082%
4	1.813	28	37	67	rVV	3850665	8548424	100.00%	43.133%
5	2.258	107	110	111	rBV	2028	2315	0.03%	0.012%
6	2.349	120	125	138	rVB	9091	24349	0.28%	0.123%
7	2.441	138	140	146	rVB6	1547	1964	0.02%	0.010%
8	2.544	155	157	158	rBV2	729	451	0.01%	0.002%
9	2.654	173	175	177	rBV3	795	920	0.01%	0.005%
10	2.770	192	194	195	rBV2	1450	1371	0.02%	0.007%
11	2.886	207	213	218	rBV2	8074	16668	0.19%	0.084%
12	2.971	225	227	238	rVB7	2554	6745	0.08%	0.034%
13	3.087	244	246	247	rBV2	861	478	0.01%	0.002%
14	3.111	247	250	251	rBV3	1445	1353	0.02%	0.007%
15	3.191	261	263	265	rBV2	1158	963	0.01%	0.005%
16	3.252	271	273	275	rVB2	1015	787	0.01%	0.004%
17	3.343	285	288	289	rBV3	1008	892	0.01%	0.005%
18	3.441	302	304	306	rBV3	833	715	0.01%	0.004%
19	3.459	306	307	310	rVB3	794	574	0.01%	0.003%
20	3.502	312	314	316	rBV3	1072	785	0.01%	0.004%
21	3.672	335	342	349	rVB4	4364	10772	0.13%	0.054%
22	3.733	349	352	355	rVB3	583	694	0.01%	0.004%
23	3.812	364	365	366	rBV	424	288	0.00%	0.001%
24	3.843	369	370	371	rVV	459	298	0.00%	0.002%
25	3.861	371	373	376	rVB2	495	488	0.01%	0.002%
26	3.922	382	383	386	rBV3	381	316	0.00%	0.002%
27	4.001	386	396	411	rBV	22296	72185	0.84%	0.364%
28	4.129	411	417	422	rBV4	1221	2448	0.03%	0.012%
29	4.184	422	426	427	rBV3	1338	1330	0.02%	0.007%
30	4.349	449	453	454	rBV2	294	308	0.00%	0.002%
31	4.373	454	457	461	rBV	496	461	0.01%	0.002%
32	4.520	475	481	482	rBV3	197	274	0.00%	0.001%
33	4.611	487	496	499	rBV4	1331	3724	0.04%	0.019%
34	4.666	503	505	511	rVB3	1233	1841	0.02%	0.009%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_W\METHOD\SOM2WLM073118S.M
Title : VOC Analysis

35	4.751	517	519	523	rVB2	184	297	0.00%	0.001%
36	4.812	528	529	532	rBV3	337	305	0.00%	0.002%
37	4.910	535	545	562	rBV3	5716	21267	0.25%	0.107%
38	5.050	566	568	573	rVB3	257	342	0.00%	0.002%
39	5.452	632	634	640	rVB3	199	384	0.00%	0.002%
40	5.501	640	642	643	rBV2	364	259	0.00%	0.001%
41	5.568	652	653	659	rVB2	294	312	0.00%	0.002%
42	5.635	659	664	666	rBV2	239	372	0.00%	0.002%
43	5.855	699	700	704	rVB2	318	308	0.00%	0.002%
44	5.940	704	714	722	rBV6	1923	6031	0.07%	0.030%
45	6.172	748	752	753	rBV2	249	290	0.00%	0.001%
46	6.221	757	760	761	rBV2	371	346	0.00%	0.002%
47	6.294	769	772	774	rVB3	238	286	0.00%	0.001%
48	6.324	774	777	780	rVB3	311	443	0.01%	0.002%
49	6.379	783	786	788	rBV2	269	289	0.00%	0.001%
50	6.483	800	803	804	rBV2	231	263	0.00%	0.001%
51	6.599	819	822	823	rBV2	232	286	0.00%	0.001%
52	6.617	823	825	827	rVB2	382	374	0.00%	0.002%
53	6.660	827	832	835	rBV2	461	880	0.01%	0.004%
54	6.903	868	872	875	rVB4	467	582	0.01%	0.003%
55	6.934	875	877	878	rBV2	435	410	0.00%	0.002%
56	6.995	885	887	888	rBV	570	388	0.00%	0.002%
57	7.013	888	890	893	rVB4	437	459	0.01%	0.002%
58	7.086	893	902	907	rBV	9715	27063	0.32%	0.137%
59	7.147	909	912	923	rVB4	6142	16088	0.19%	0.081%
60	7.281	932	934	937	rVB3	463	457	0.01%	0.002%
61	7.324	937	941	942	rBV3	488	627	0.01%	0.003%
62	7.385	948	951	954	rBV4	414	731	0.01%	0.004%
63	7.531	972	975	978	rVV4	624	725	0.01%	0.004%
64	7.562	978	980	981	rVV2	544	409	0.00%	0.002%
65	7.574	981	982	985	rVV3	761	614	0.01%	0.003%
66	7.647	985	994	1004	rVV	54329	133854	1.57%	0.675%
67	7.739	1007	1009	1010	rVV2	474	425	0.00%	0.002%
68	7.757	1010	1012	1014	rVB3	660	621	0.01%	0.003%
69	7.793	1014	1018	1021	rBV5	1200	1318	0.02%	0.007%
70	7.854	1026	1028	1029	rBV	956	753	0.01%	0.004%
71	7.873	1029	1031	1032	rVB2	761	518	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_W\METHOD\SOM2WLM073118S.M
Title : VOC Analysis

72	7.891	1032	1034	1035	rBV2	668	479	0.01%	0.002%
73	8.001	1048	1052	1053	rBV3	654	848	0.01%	0.004%
74	8.086	1063	1066	1068	rBV4	911	1270	0.01%	0.006%
75	8.171	1078	1080	1083	rBV4	878	947	0.01%	0.005%
76	8.281	1085	1098	1112	rBV2	90585	330437	3.87%	1.667%
77	8.403	1115	1118	1121	rBV5	1432	2230	0.03%	0.011%
78	8.434	1121	1123	1125	rBV3	1090	909	0.01%	0.005%
79	8.556	1141	1143	1145	rBV2	1112	1249	0.01%	0.006%
80	8.659	1158	1160	1161	rBV2	1332	1133	0.01%	0.006%
81	8.702	1165	1167	1169	rBV3	1408	1301	0.02%	0.007%
82	8.769	1177	1178	1180	rBV2	1409	1113	0.01%	0.006%
83	8.848	1183	1191	1198	rVV	76086	153394	1.79%	0.774%
84	8.915	1200	1202	1203	rBV	1743	1139	0.01%	0.006%
85	9.275	1255	1261	1269	rBV	81496	173319	2.03%	0.875%
86	10.037	1381	1386	1392	rVB	29279	55480	0.65%	0.280%
87	10.330	1428	1434	1440	rBV	123894	221061	2.59%	1.115%
88	10.586	1472	1476	1482	rVB	25724	42896	0.50%	0.216%
89	10.933	1528	1533	1542	rVB2	51600	103836	1.21%	0.524%
90	11.634	1643	1648	1654	rBV	112196	186046	2.18%	0.939%
91	12.701	1806	1823	1843	rVB2	517414	2778462	32.50%	14.019%
92	13.286	1912	1919	1937	rVB6	134213	596220	6.97%	3.008%
93	13.506	1951	1955	1959	rBV	80886	132877	1.55%	0.670%
94	13.585	1960	1968	1987	rVV8	298780	1551388	18.15%	7.828%
95	13.792	1990	2002	2010	rVV3	492219	2008455	23.50%	10.134%
96	13.872	2011	2015	2021	rVB2	184376	352450	4.12%	1.778%
97	13.969	2025	2031	2041	rVB6	115665	405019	4.74%	2.044%
98	14.103	2046	2053	2068	rVB3	194750	719851	8.42%	3.632%
99	15.475	2274	2278	2288	rVB5	86348	222344	2.60%	1.122%
100	15.762	2317	2325	2348	rVB4	212300	830536	9.72%	4.191%

Sum of corrected areas: 19818906

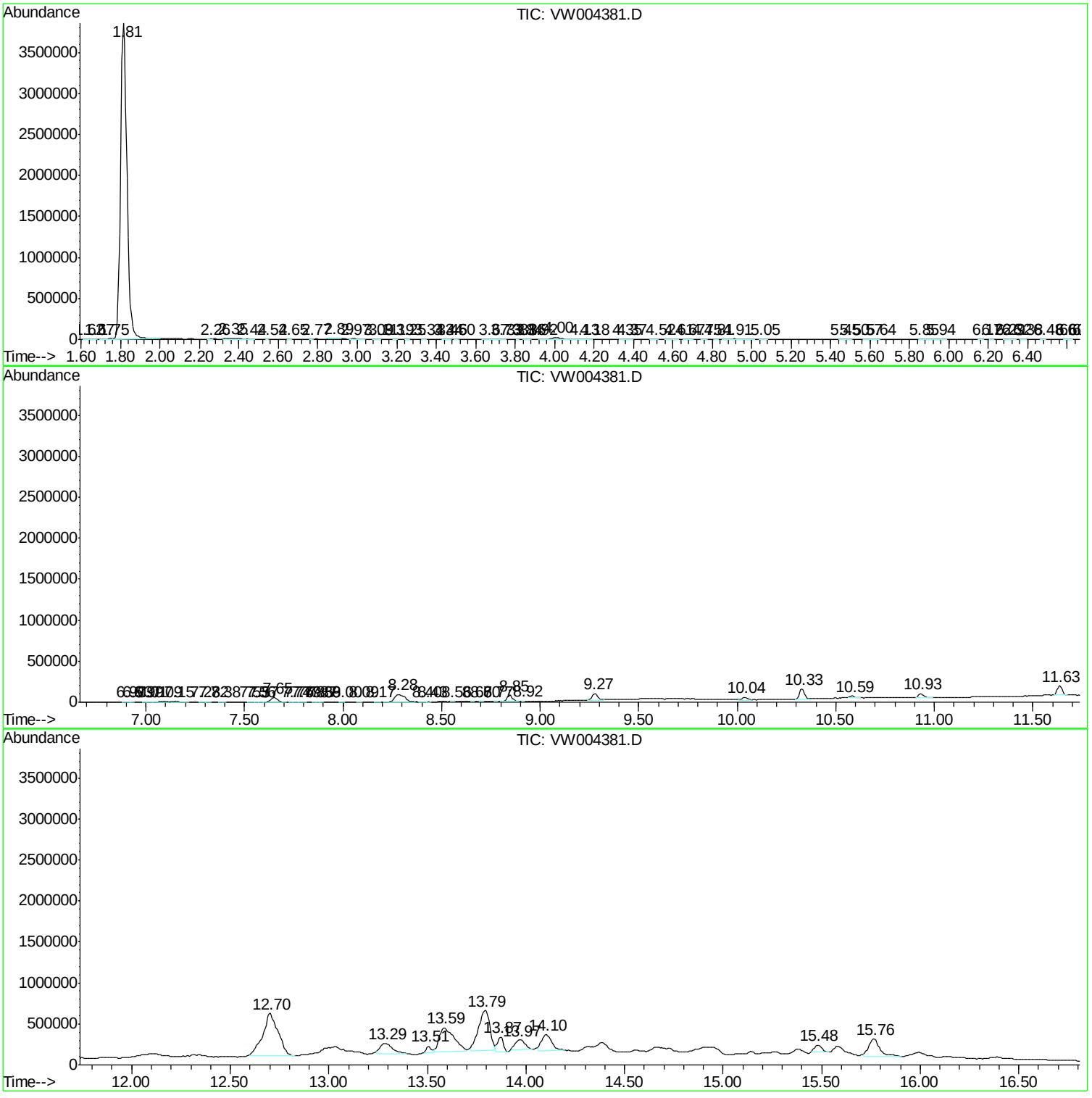
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

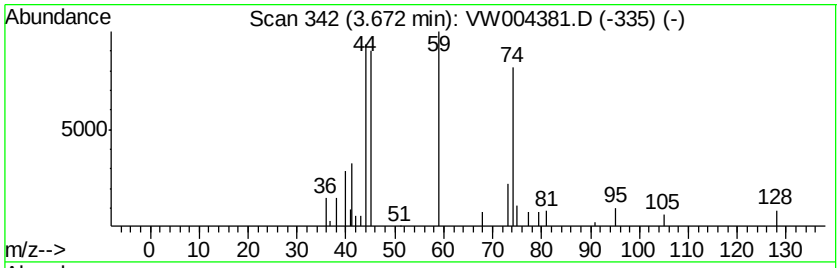
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

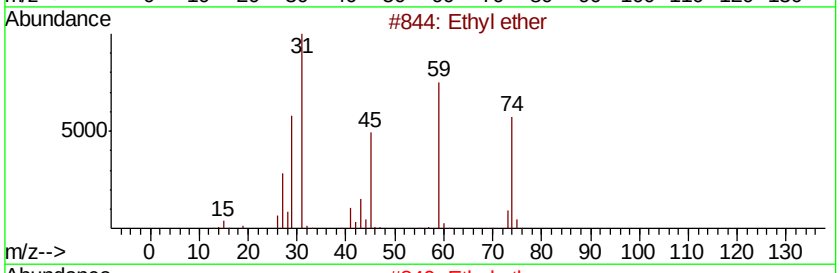
****

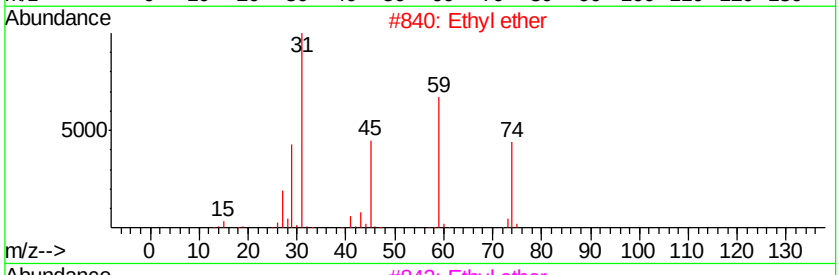
Peak Number 3 Ethyl ether Concentration Rank 11

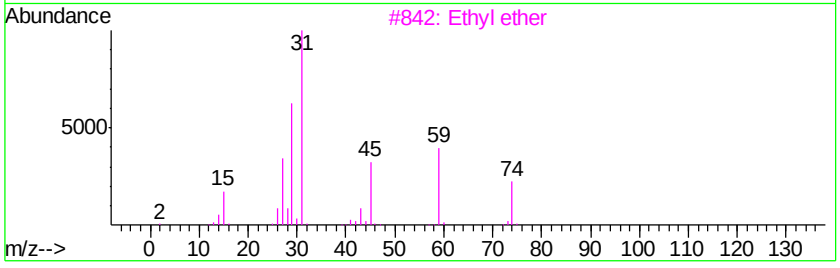
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.67	1.76 ug/L	10772	1,4-Difluorobenzene	8.85

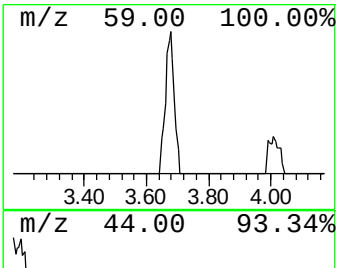
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	53
2	Ethyl ether	74	C4H10O	000060-29-7	9
3	Ethyl ether	74	C4H10O	000060-29-7	9
4	1-Propanol, 3-mercapto-	92	C3H8OS	019721-22-3	9
5	Ethyl ether	74	C4H10O	000060-29-7	9

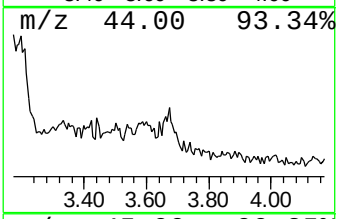


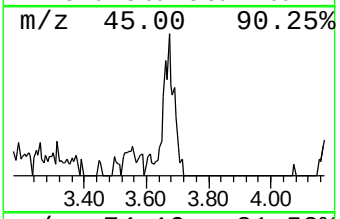


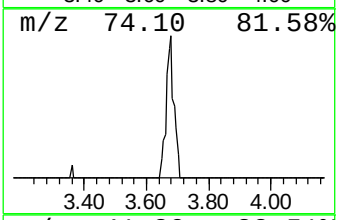


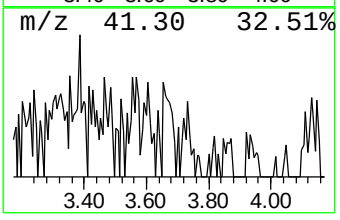












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
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Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

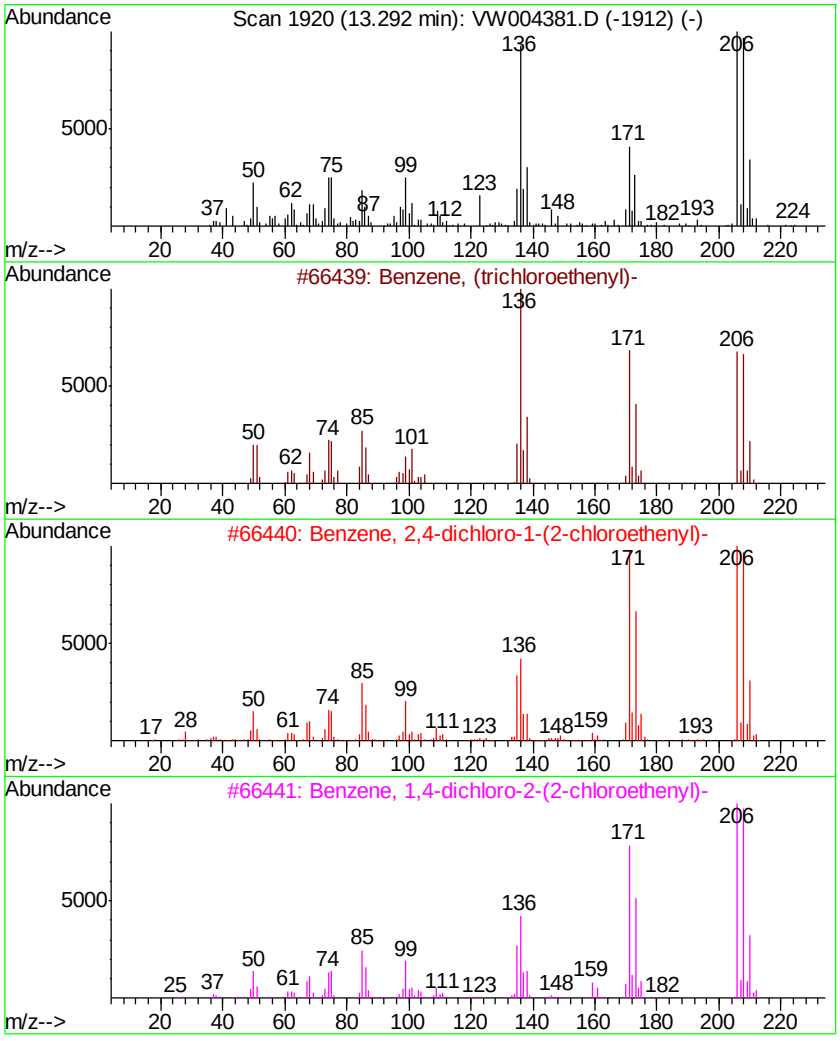
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

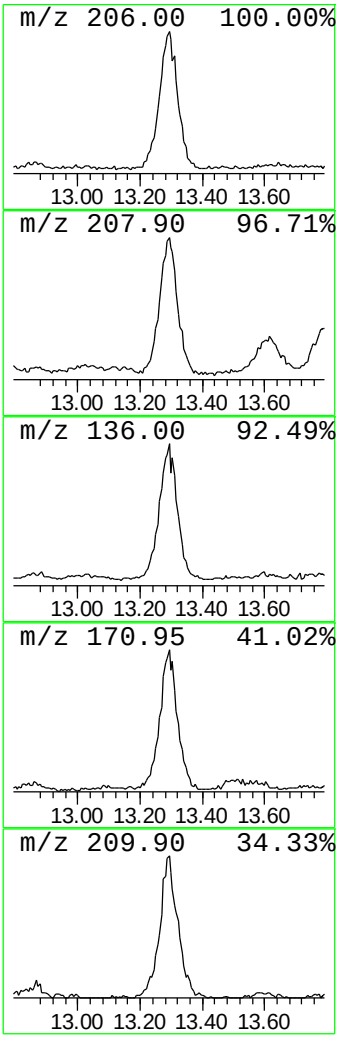
****

Peak Number 6 Benzene, (trichloroethenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	9.61 ug/L	596220	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (trichloroethenyl)-	206	C8H5Cl3	000700-60-7	74
2	Benzene, 2,4-dichloro-1-(2-chlor...	206	C8H5Cl3	045892-47-5	52
3	Benzene, 1,4-dichloro-2-(2-chlor...	206	C8H5Cl3	054935-00-1	50
4	Phenol, 2-bromo-4-chloro-	206	C6H4BrClO	000695-96-5	46
5	p-[Chlorophenyl]maleic anhydride	208	C10H5ClO3	003152-15-6	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

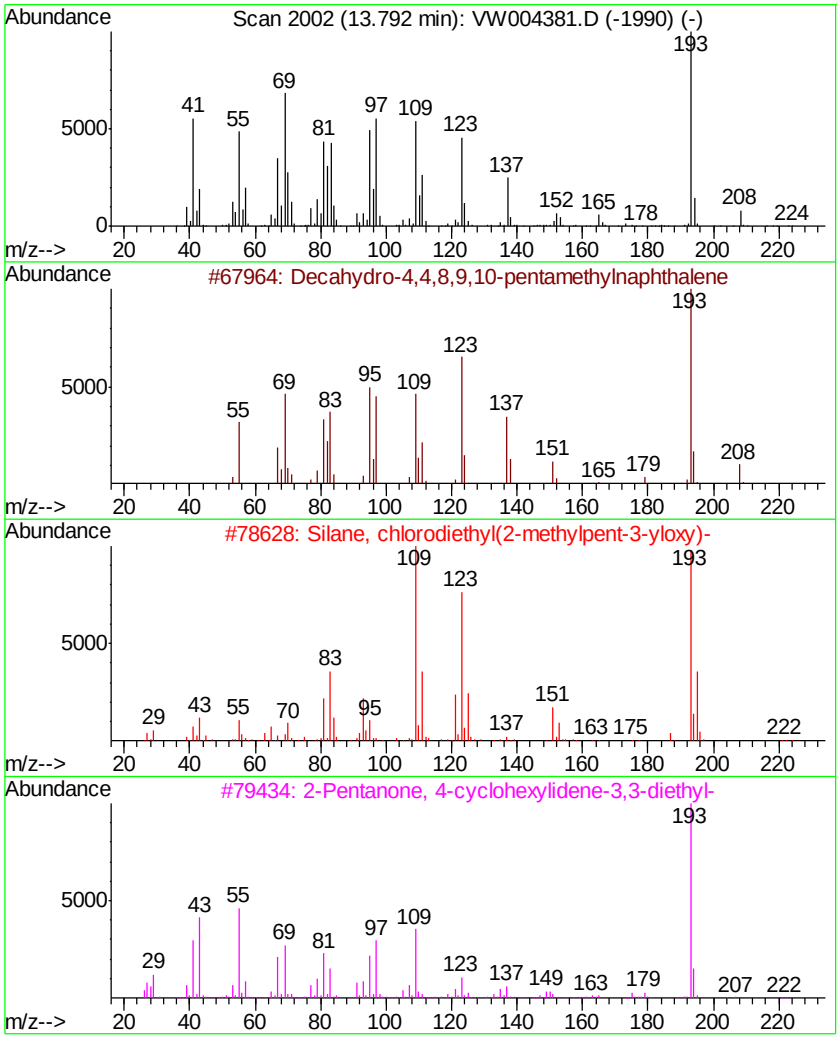
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

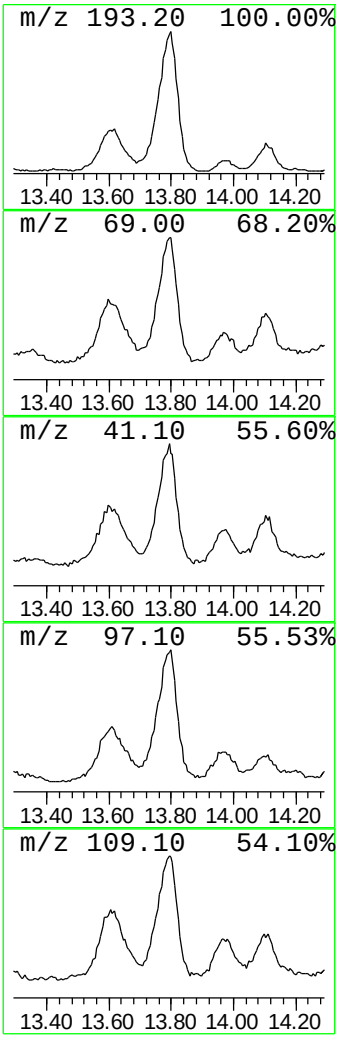
****

Peak Number 7 Decahydro-4,4,8,9,10-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	32.37 ug/L	2008460	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	53
2	Silane, chlorodiethyl(2-methylpe...	222	C10H23ClOSi	1000363-79-1	42
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	40
4	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38
5	Silane, chlorodiethylhexyloxy-	222	C10H23ClOSi	1000363-74-4	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

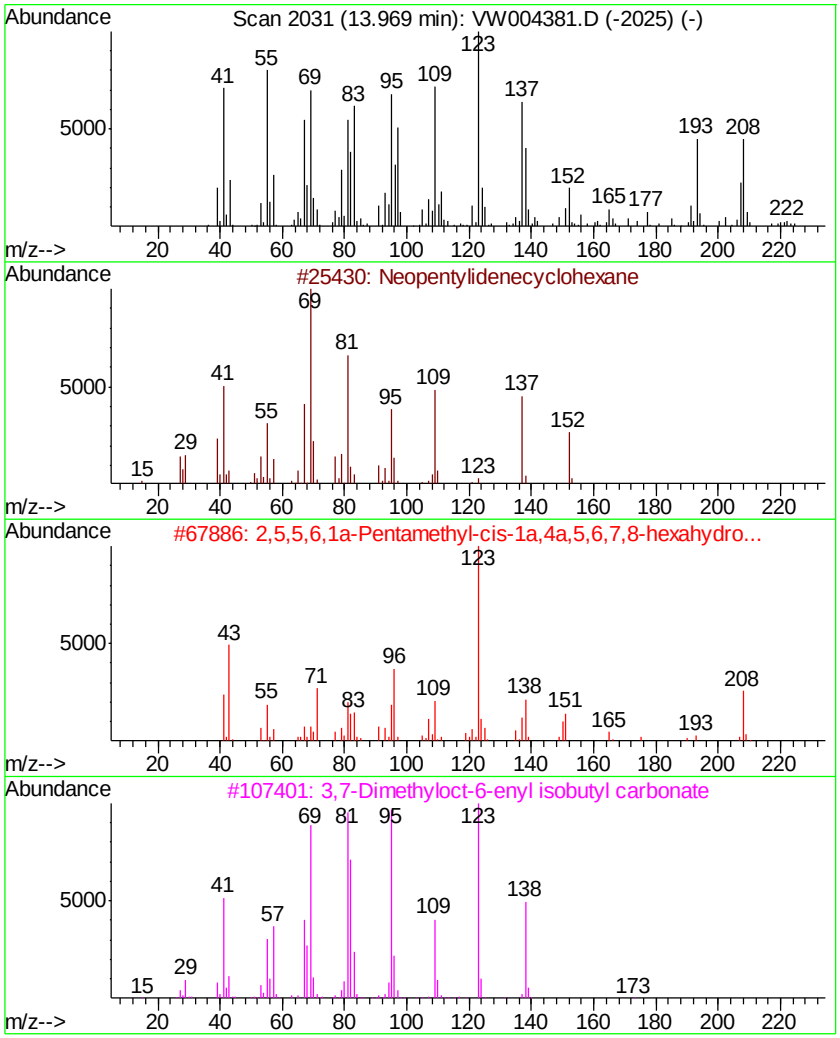
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

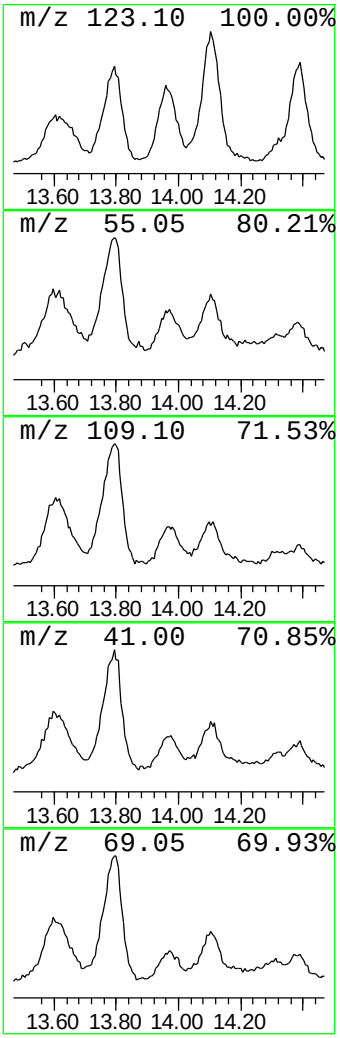
****

Peak Number 8 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.53 ug/L	405019	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neopentylidenecyclohexane	152	C11H20	039546-80-0	38
2	2,5,5,6,1a-Pentamethyl-cis-1a,4a...	208	C14H24O	1000215-77-9	38
3	3,7-Dimethyloct-6-enyl isobutyl ...	256	C15H28O3	1000372-79-6	35
4	2-(2-Methylcyclopropyl)thiophene	138	C8H10S	087688-54-8	30
5	Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

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

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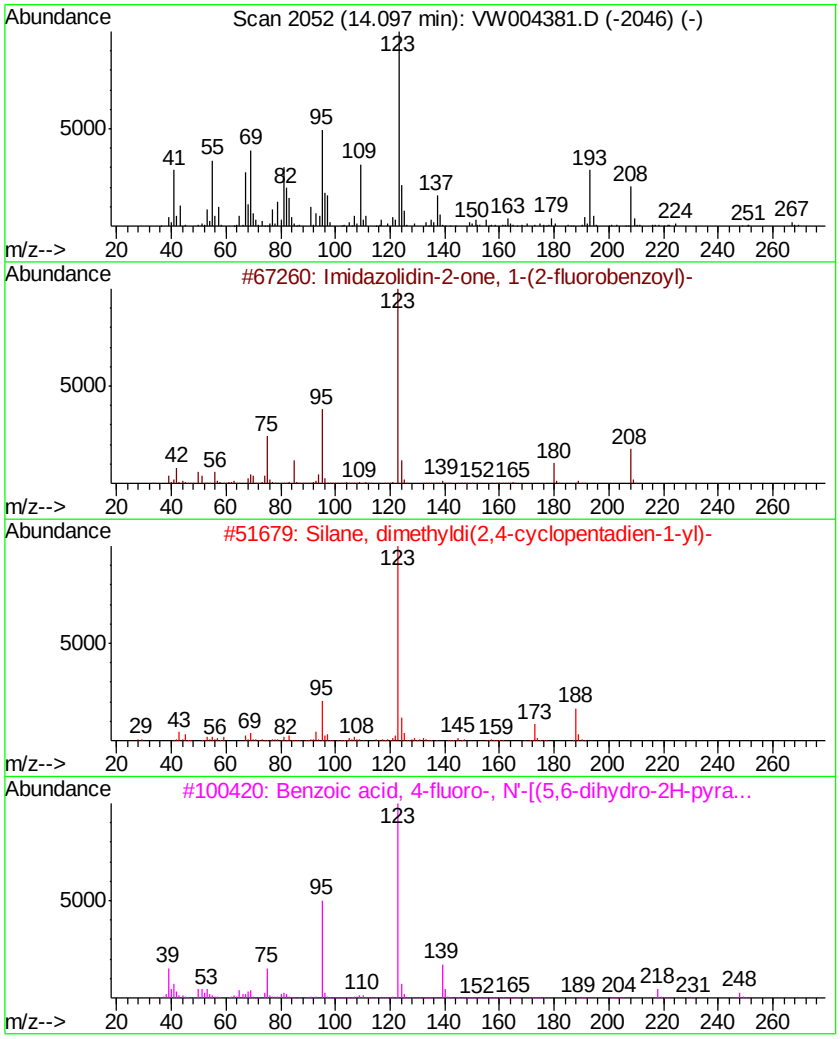
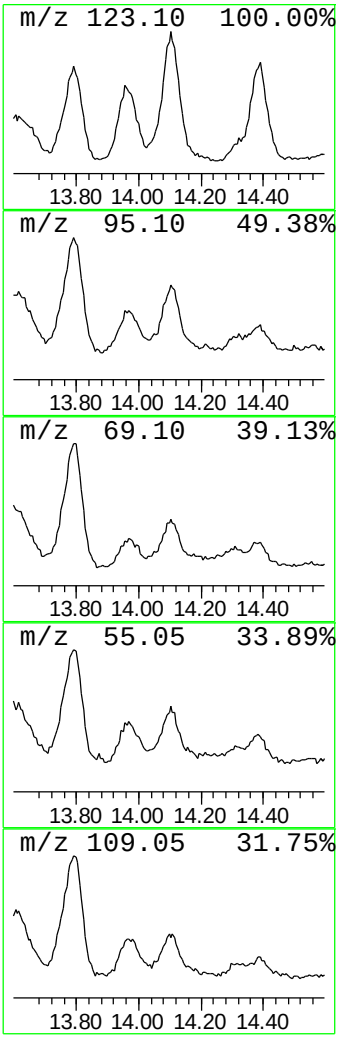
Peak Number 9 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	11.60 ug/L	719851	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazolidin-2-one, 1-(2-fluorob...	208	C10H9FN2O2	1000310-62-2	49
2	Silane, dimethyldi(2,4-cyclopent...	188	C12H16Si	018053-74-2	47
3	Benzoic acid, 4-fluoro-, N'-[(5,...	248	C13H13FN2O2	1000350-57-6	43
4	3-Fluorobenzoic acid, 2-ethylcyc...	250	C15H19FO2	1000279-04-9	38
5	4-Nitrophenyl bicyclo[4.1.0]hept...	261	C14H15NO4	328938-65-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

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

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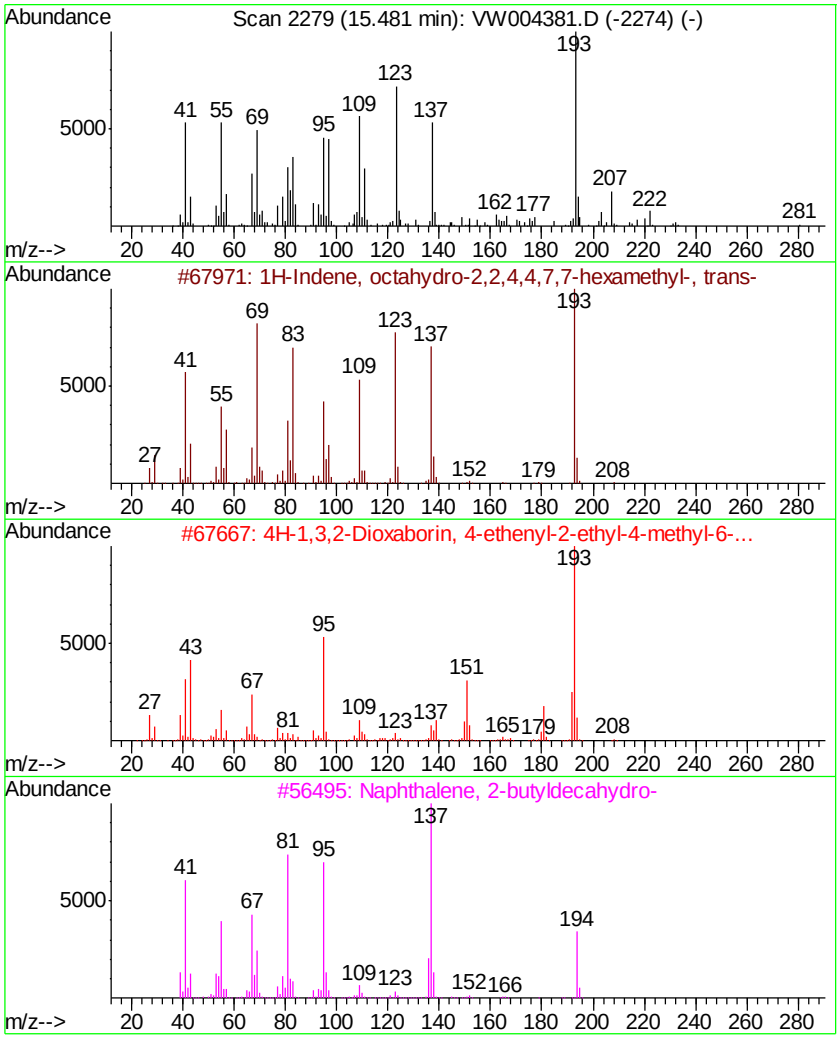
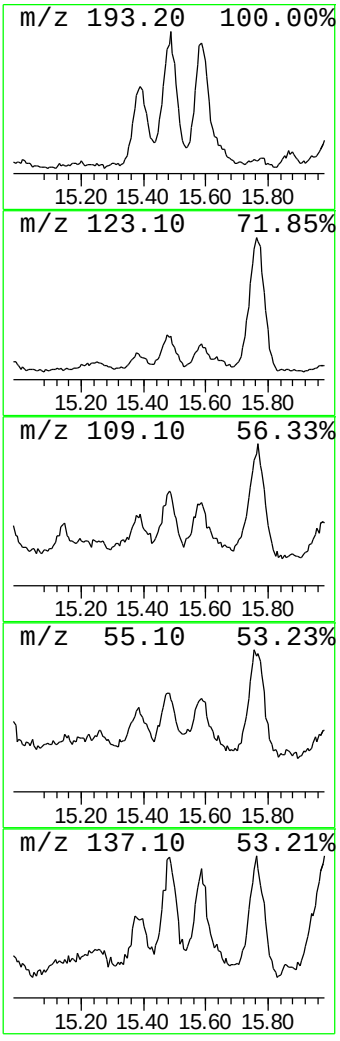
Peak Number 10 1H-Indene, octahydro-2,2,4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	3.58 ug/L	222344	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	58
2	4H-1,3,2-Dioxaborin, 4-ethenyl-2...	208	C12H21BO2	074630-04-9	25
3	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	25
4	Phorone	138	C9H14O	000504-20-1	18
5	Cyclopentanecarboxylic acid, 3-i...	290	C19H30O2	1000151-83-4	15





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

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

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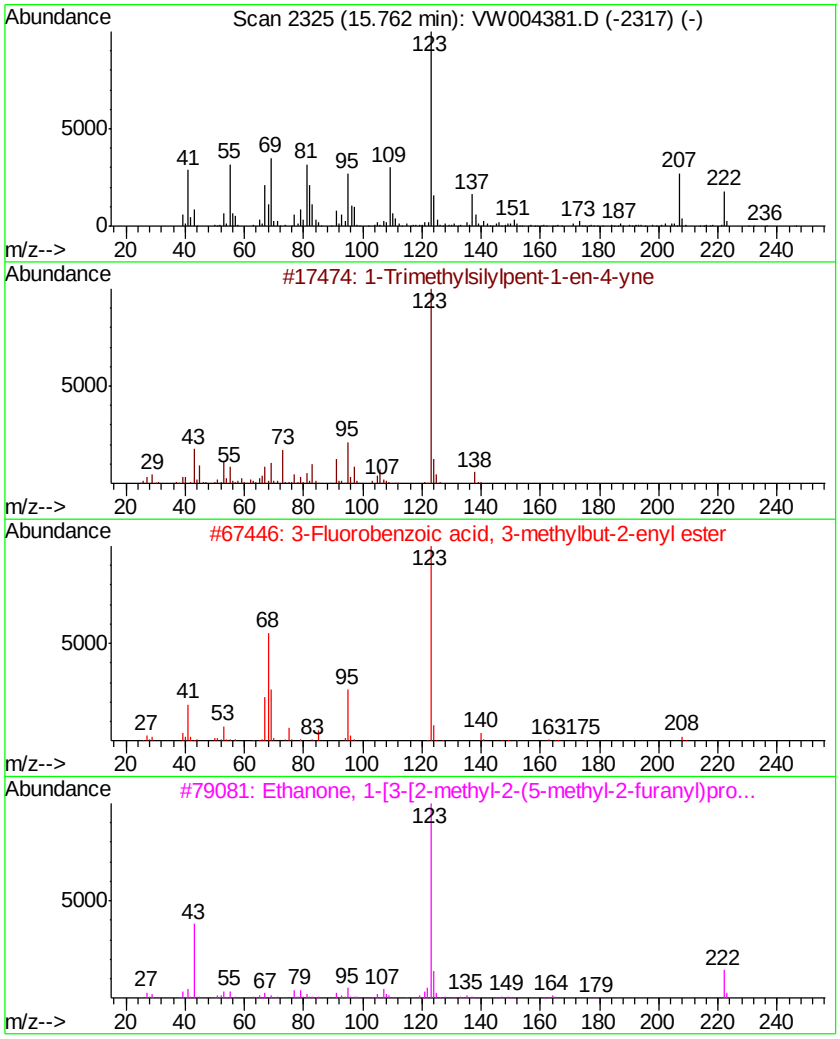
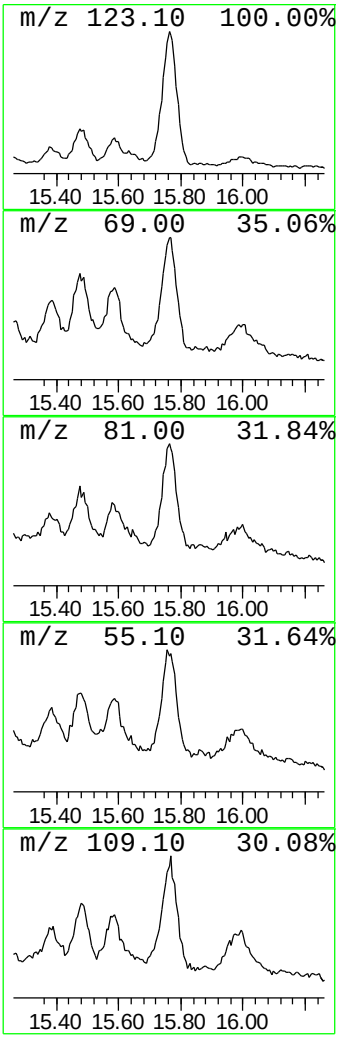
Peak Number 11 1-Trimethylsilylpent-1-en-4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	13.38 ug/L	830536	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	52
2	3-Fluorobenzoic acid, 3-methylbu...	208	C12H13FO2	154559-38-3	46
3	Ethanone, 1-[3-[2-methyl-2-(5-me...	222	C13H18O3	080114-28-9	46
4	1,6,6-Trimethyl-7-(3-oxobut-1-en...	236	C13H16O4	1000192-00-9	45
5	4-Methoxybenzene-1,3-diamine, N1...	264	C13H16N2O4	1000373-20-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080118\
Data File : VW004381.D
Acq On : 01 Aug 2018 17:04
Operator : SY/AP
Sample : J4209-11
Misc : 6.26G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AC7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	3.67	1.8	ug/L	10772	1	8.85	153394	25.0
Benzene, (trichlo...	13.29	9.6	ug/L	596220	3	13.57	1551390	25.0
Decahydro-4,4,8,9...	13.79	32.4	ug/L	2008460	3	13.57	1551390	25.0
unknown-01	13.97	6.5	ug/L	405019	3	13.57	1551390	25.0
unknown-02	14.10	11.6	ug/L	719851	3	13.57	1551390	25.0
1H-Indene, octahy...	15.48	3.6	ug/L	222344	3	13.57	1551390	25.0
1-Trimethylsilylp...	15.76	13.4	ug/L	830536	3	13.57	1551390	25.0