LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\82F090618S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.093	44	47	50	rVB	7092	8276	1.49%	0.149%
2	2.285	165	168	172	rBV	8875	17335	3.13%	0.311%
3	2.344	172	174	177	rVB2	4796	7174	1.29%	0.129%
4	2.492	184	189	194	rBV5	5710	16657	3.00%	0.299%
5	4.040	341	346	352	rBV3	3856	10408	1.88%	0.187%
6	4.207	355	363	366	rBV2	2740	10139	1.83%	0.182%
7	4.296	366	372	387	rVB2	58100	175651	31.67%	3.156%
8	5.045	439	448	464	rBV2	149373	493291	88.94%	8.863%
9	5.775	514	522	533	rBV	150698	390674	70.44%	7.019%
10	7.717	713	719	731	rBV	160274	390815	70.46%	7.022%
11	8.426	787	791	795	rVB3	3690	7868	1.42%	0.141%
12	8.771	821	826	832	rBV5	4197	12987	2.34%	0.233%
13	9.116	855	861	866	rBV4	7681	19797	3.57%	0.356%
14	9.245	871	874	879	rVB3	4556	10087	1.82%	0.181%
15	9.432	888	893	897	rBV3	8074	18430	3.32%	0.331%
16	9.629	910	913	916	rBV2	3590	9322	1.68%	0.167%
17	9.836	928	934	937	rBV5	2239	7975	1.44%	0.143%
18	9.925	937	943	953	rVV	222993	526155	94.86%	9.453%
19	10.211	967	972	978	rBV6	3053	9560	1.72%	0.172%
20	10.368	981	988	995	rBV5	13253	48006	8.66%	0.863%
21	10.477	995	999	1004	rBV4	8023	19540	3.52%	0.351%
22	10.605	1009	1012	1013	rVV2	10085	16549	2.98%	0.297%
23	10.644	1013	1016	1023	rVB4	13757	33882	6.11%	0.609%
24	10.782	1023	1030	1038	rBV2	58128	146825	26.47%	2.638%
25	10.901	1038	1042	1043	rVV3	14883	28344	5.11%	0.509%
26	10.940	1043	1046	1049	rVV2	26561	54003	9.74%	0.970%
27	10.979	1049	1050	1054	rVV4	6938	12603	2.27%	0.226%
28	11.058	1054	1058	1062	rVB4	11264	26878	4.85%	0.483%
29	11.157	1062	1068	1072	rBV3	22810	74162	13.37%	1.332%
30	11.226	1072	1075	1081	rVB3	47147	95671	17.25%	1.719%
31	11.324	1081	1085	1086	rBV3	12166	23334	4.21%	0.419%
32	11.374	1086	1090	1094	rVB2	58964	124081	22.37%	2.229%
33	11.512	1098	1104	1110	rBV	211287	424525	76.54%	7.627%
34	11.591	1110	1112	1115	rVV4	17825	37747	6.81%	0.678%

LSC Area Percent Report

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Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\82F090618S.M
Title : SW846 8260

35	11.650	1115	1118	1121	rVV2	55910	100787	18.17%	1.811%
36	11.709	1121	1124	1128	rVV3	23223	62493	11.27%	1.123%
37	11.768	1128	1130	1133	rVV2	16788	32647	5.89%	0.587%
38	11.827	1133	1136	1138	rVV3	11899	27426	4.94%	0.493%
39	11.867	1138	1140	1142	rVV2	16902	25326	4.57%	0.455%
40	11.916	1142	1145	1147	rVB3	12669	22741	4.10%	0.409%
41	11.975	1147	1151	1153	rBV4	14234	26964	4.86%	0.484%
42	12.034	1153	1157	1159	rVV3	20604	47933	8.64%	0.861%
43	12.074	1159	1161	1166	rVV	79881	152328	27.46%	2.737%
44	12.152	1166	1169	1173	rVV4	11172	30745	5.54%	0.552%
45	12.241	1173	1178	1180	rVV4	29186	80481	14.51%	1.446%
46	12.290	1180	1183	1186	rVV2	65605	125483	22.62%	2.255%
47	12.379	1188	1192	1197	rVV2	36505	94322	17.01%	1.695%
48	12.458	1197	1200	1207	rVV4	18632	48856	8.81%	0.878%
49	12.566	1208	1211	1214	rVV2	20548	34303	6.18%	0.616%
50	12.635	1214	1218	1221	rVV	359684	554645	100.00%	9.965%
51	12.685	1221	1223	1227	rVV3	30868	48686	8.78%	0.875%
52	12.764	1229	1231	1232	rVV2	13958	20483	3.69%	0.368%
53	12.813	1232	1236	1239	rVV3	24110	67041	12.09%	1.205%
54	12.862	1239	1241	1244	rVV3	14308	31222	5.63%	0.561%
55	12.921	1244	1247	1251	rVB3	32459	61982	11.18%	1.114%
56	13.000	1253	1255	1262	rBV4	21808	51998	9.38%	0.934%
57	13.079	1262	1263	1267	rVB4	10441	17991	3.24%	0.323%
58	13.148	1267	1270	1272	rBV3	14017	29772	5.37%	0.535%
59	13.187	1272	1274	1276	rVB3	10375	15664	2.82%	0.281%
60	13.227	1276	1278	1279	rBV	10744	12646	2.28%	0.227%
61	13.306	1284	1286	1289	rVV3	30258	59543	10.74%	1.070%
62	13.365	1289	1292	1295	rVV2	28133	72227	13.02%	1.298%
63	13.454	1299	1301	1306	rVV	28799	55178	9.95%	0.991%
64	13.532	1306	1309	1311	rVV4	9759	25360	4.57%	0.456%
65	13.572	1311	1313	1314	rVV	15094	21517	3.88%	0.387%
66	13.611	1314	1317	1319	rVV	22779	41268	7.44%	0.741%
67	13.651	1319	1321	1324	rVV2	10990	18039	3.25%	0.324%
68	13.710	1324	1327	1329	rVV3	7104	15547	2.80%	0.279%
69	13.769	1330	1333	1336	rVV4	20296	36646	6.61%	0.658%
70	13.818	1336	1338	1340	rVV3	8055	14753	2.66%	0.265%
71	13.877	1342	1344	1346	rVV	5997	11144	2.01%	0.200%

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ClientSampleId : EP1-MW-G(15-20)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Title : SW846 8260

72	13.927	1346	1349	1352	rVV4	7561	17013	3.07%	0.306%
73	13.986	1352	1355	1357	rVV4	4405	8436	1.52%	0.152%
74	14.232	1374	1380	1381	rBV6	4754	13436	2.42%	0.241%
75	14.272	1381	1384	1389	rVB4	4520	10655	1.92%	0.191%
76	14.518	1403	1409	1412	rBV3	2611	5746	1.04%	0.103%
77	14.676	1421	1425	1427	rBV3	2659	5632	1.02%	0.101%

Sum of corrected areas: 5565856

LSC Report - Integrated Chromatogram

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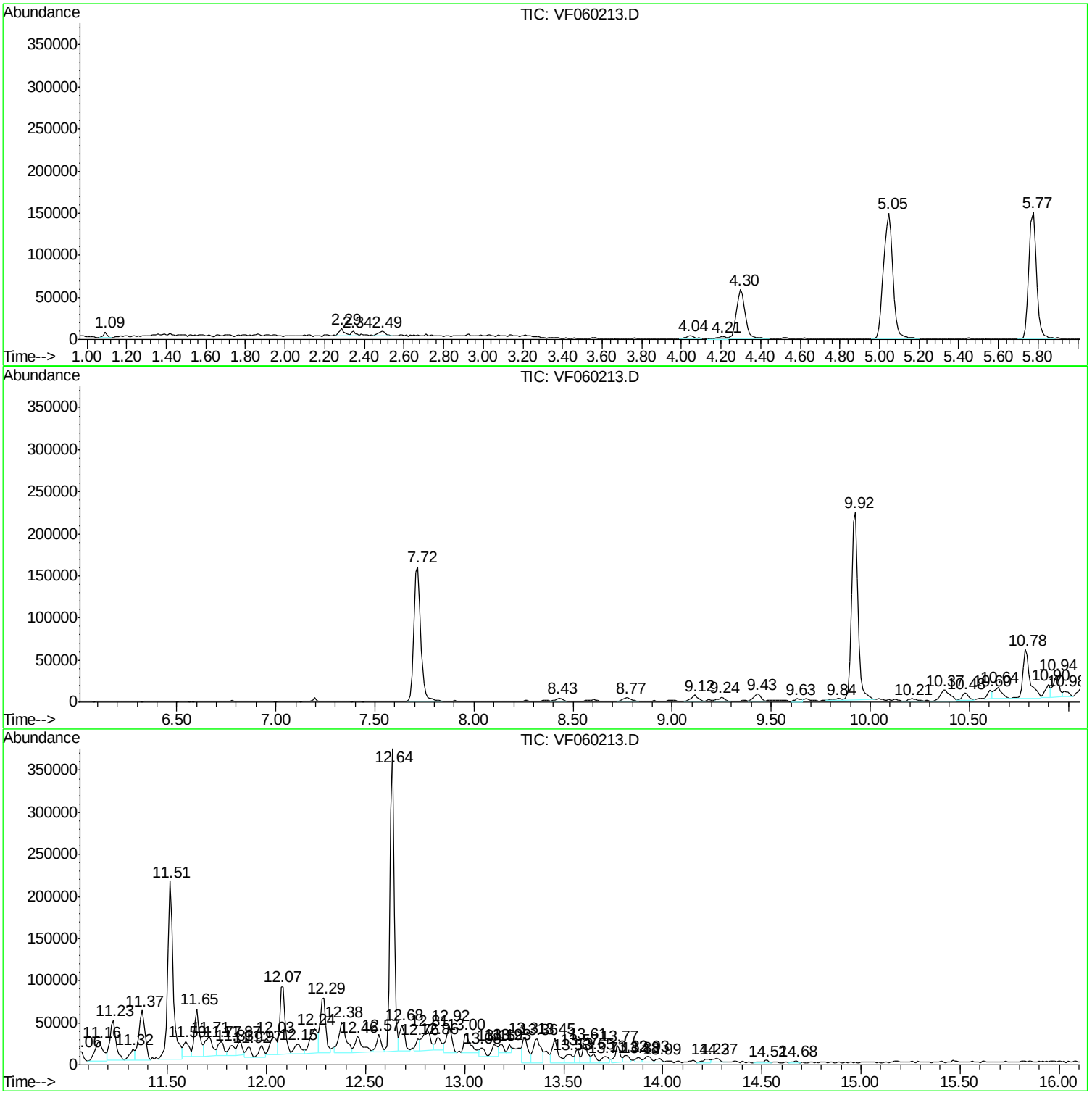
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

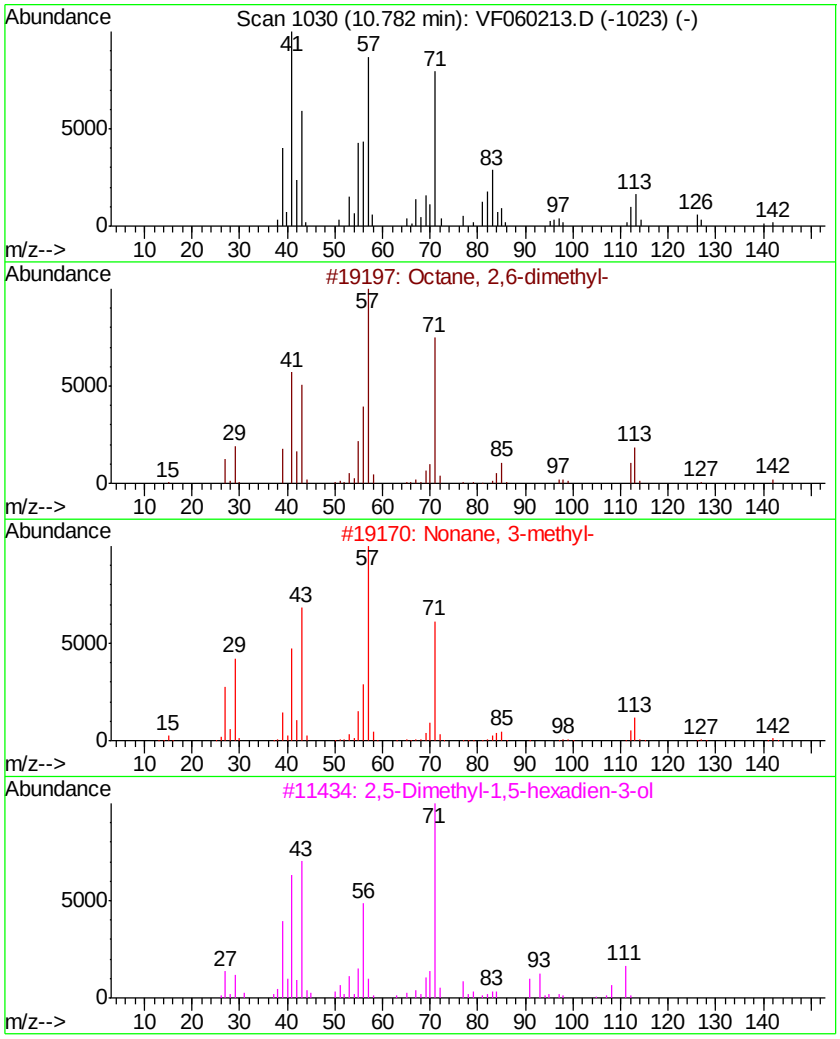
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

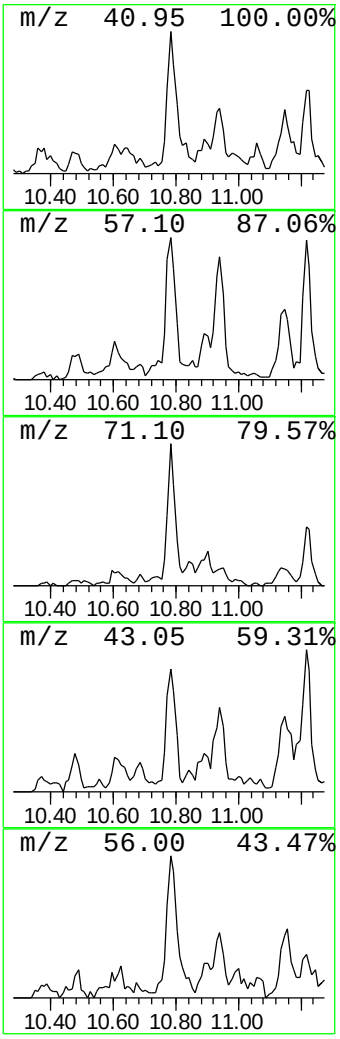
****

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	13.95 ug/l	146825	Chlorobenzene-d5	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	70
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
3	2,5-Dimethyl-1,5-hexadien-3-ol	126	C8H14O	017123-63-6	50
4	Oxirane, pentyl-	114	C7H14O	005063-65-0	49
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
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Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

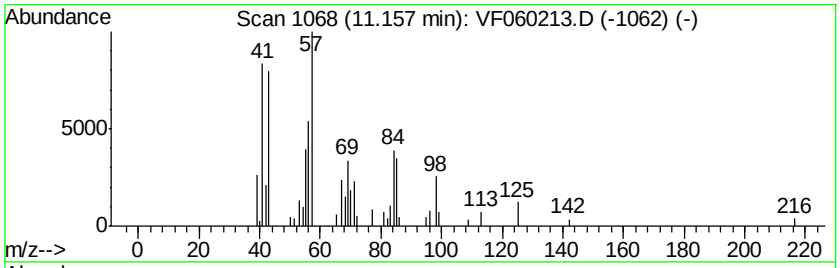
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

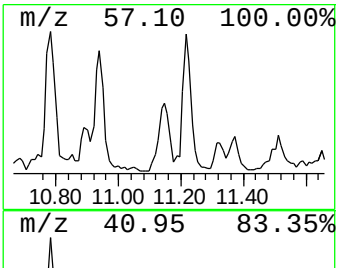
****

Peak Number 2 unknown11.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	7.05 ug/l	74162	Chlorobenzene-d5	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
2	Cyanic acid, 2-methylpropyl ester	99	C5H9NO	001768-25-8	38
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	38
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	38
5	3-Heptene, (E)-	98	C7H14	014686-14-7	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
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Acq On : 7 Sep 2018 16:31
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Sample : J4693-19
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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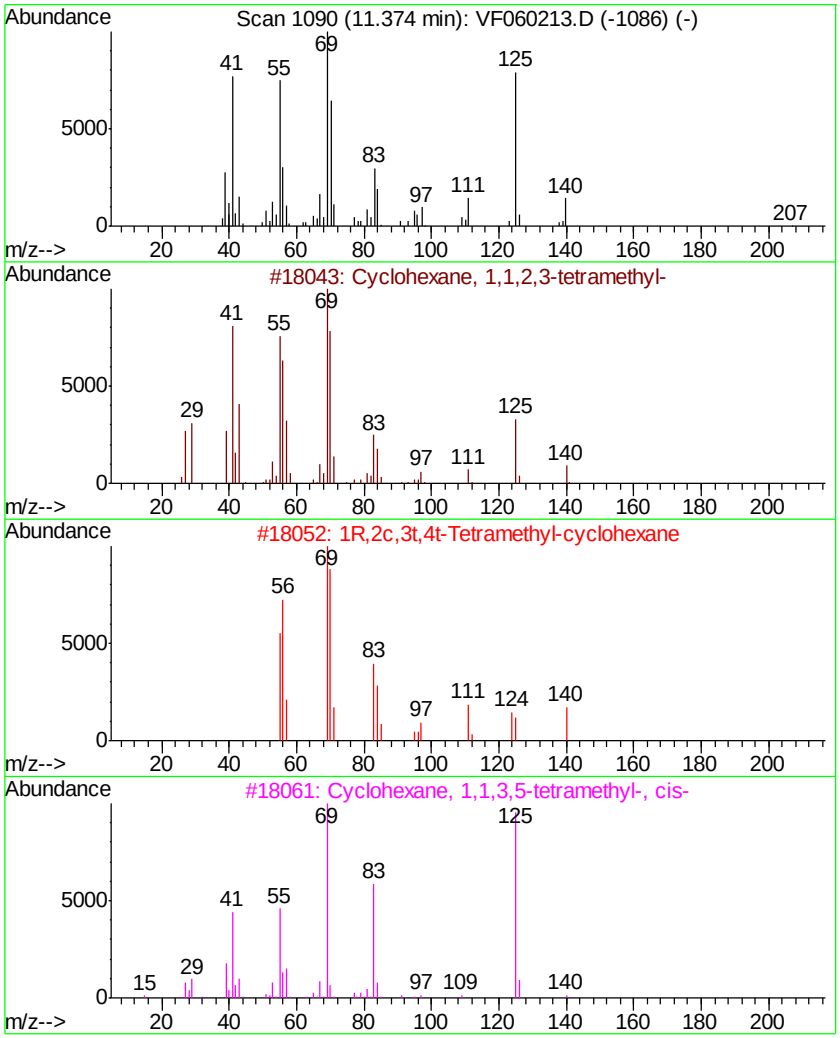
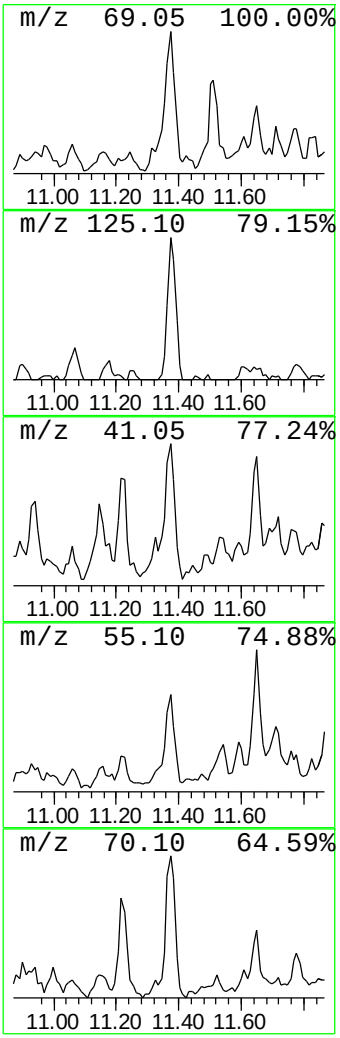
****

Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	11.19 ug/l	124081	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	86
2	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	64
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	53
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	52
5	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	43





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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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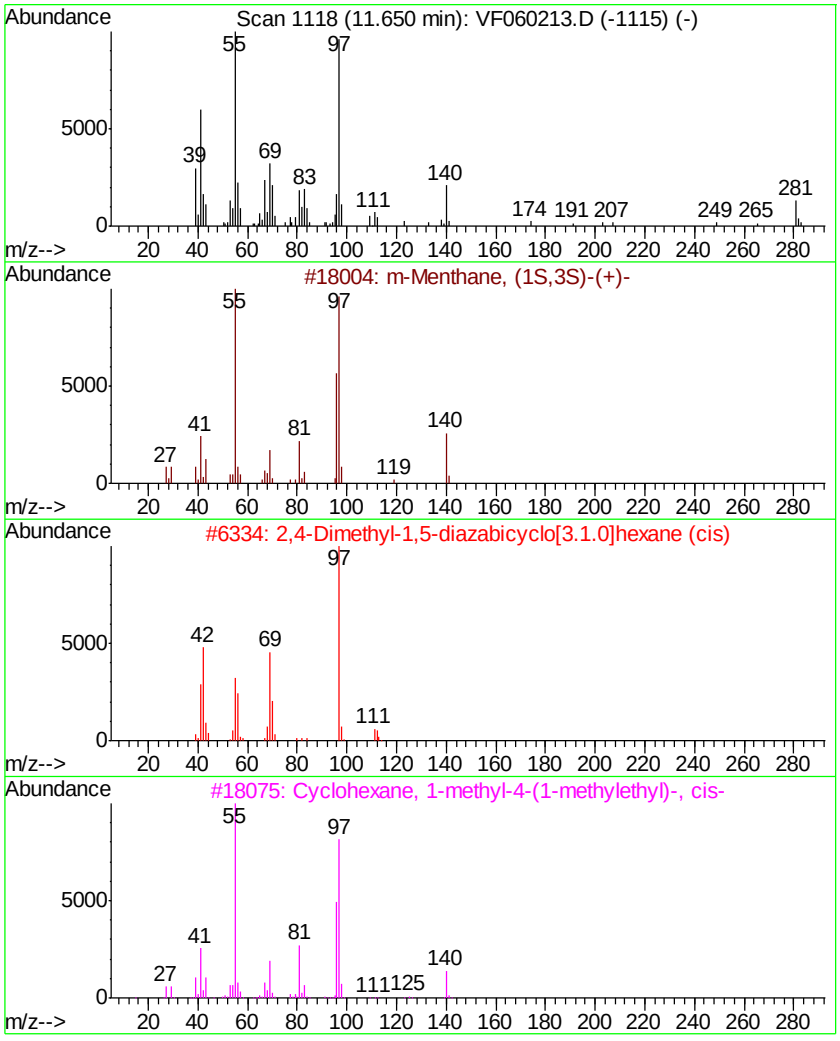
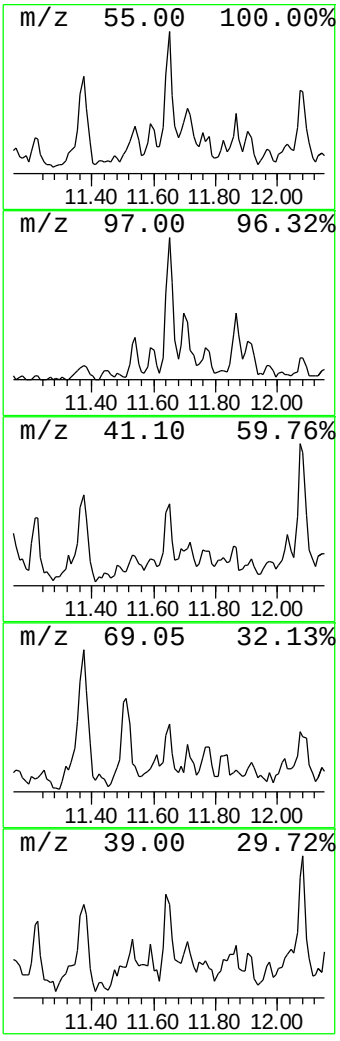
Peak Number 4 unknown11.65 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	9.09 ug/l	100787	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
5	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	43





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ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

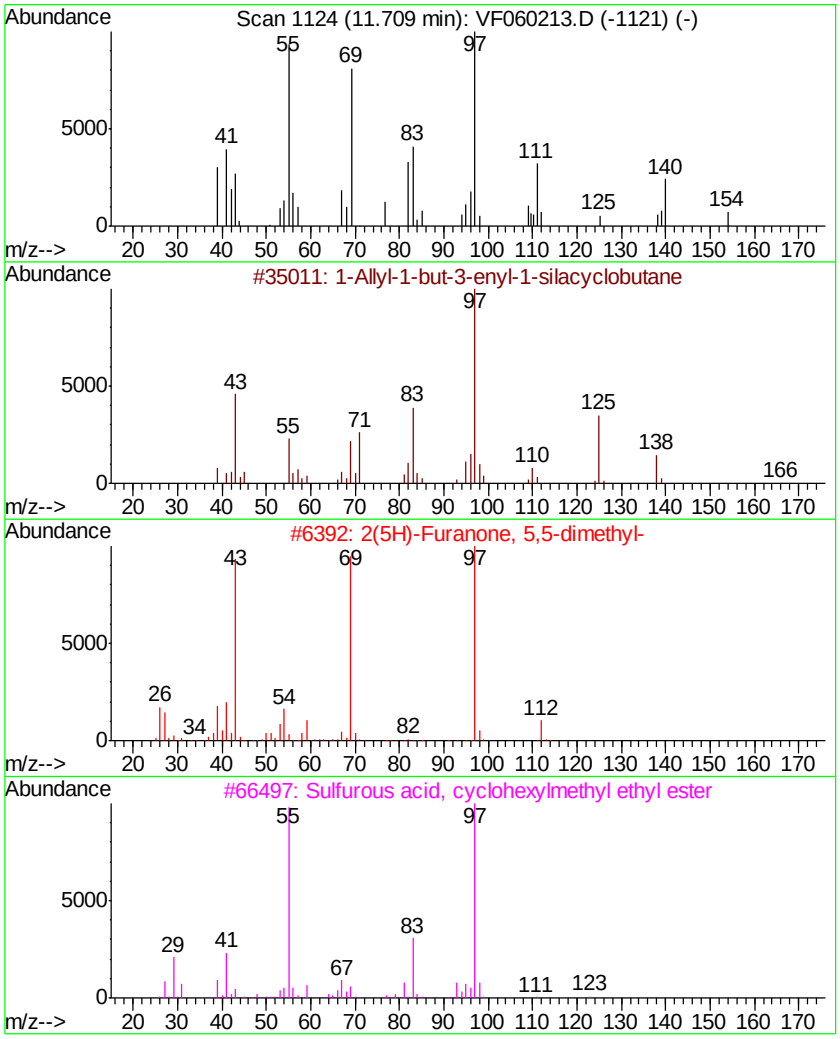
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

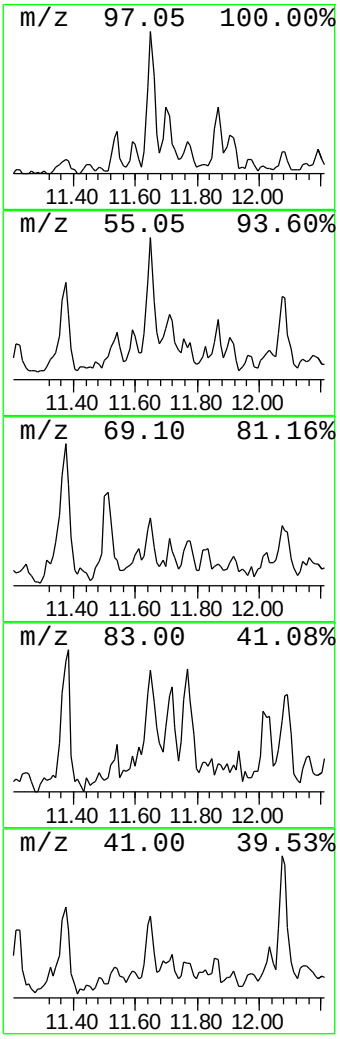
****

Peak Number 5 unknown11.71 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	5.63 ug/l	62493	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Allyl-1-but-3-enyl-1-silacyclo...	166	C10H18Si	127597-51-7	38
2	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	38
3	Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	35
4	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	30
5	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	27





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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

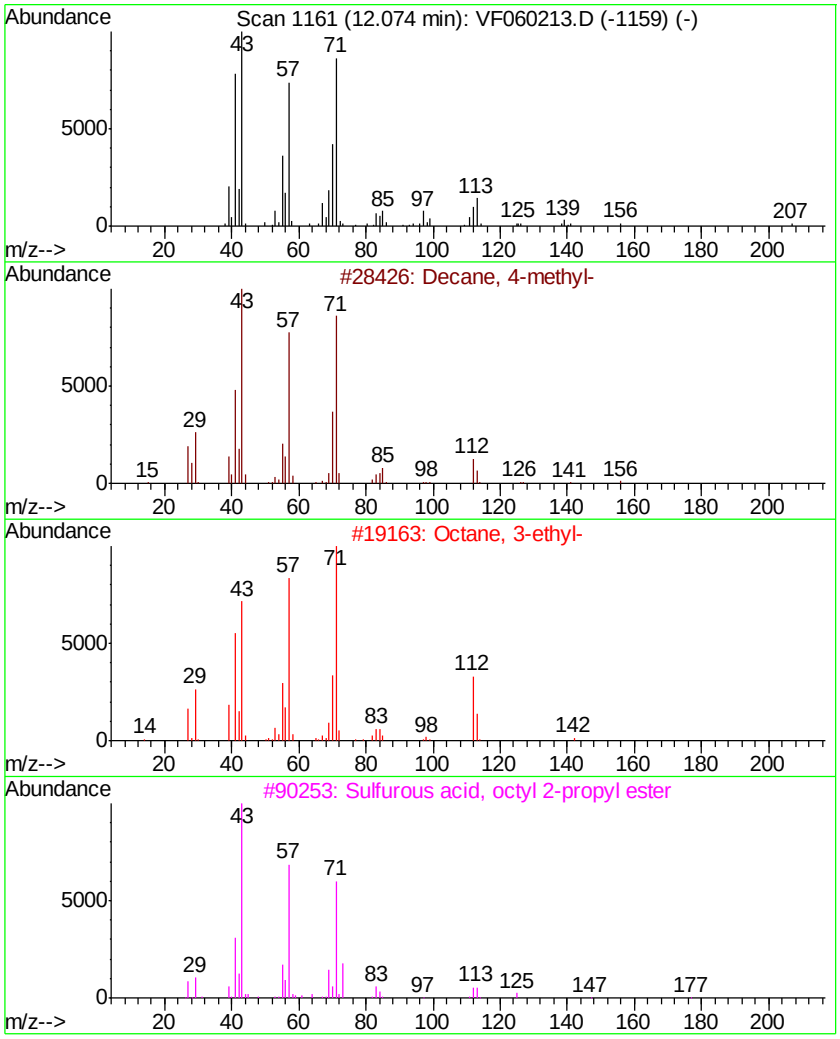
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

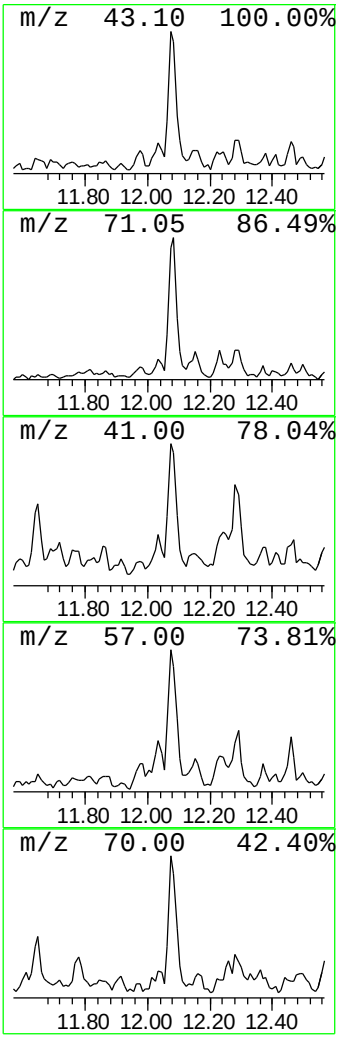
****

Peak Number 6 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	13.73 ug/l	152328	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	74
2	Octane, 3-ethyl-	142	C10H22	005881-17-4	64
3	Sulfurous acid, octyl 2-propyl e...	236	C11H24O3S	1000309-11-9	53
4	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	47
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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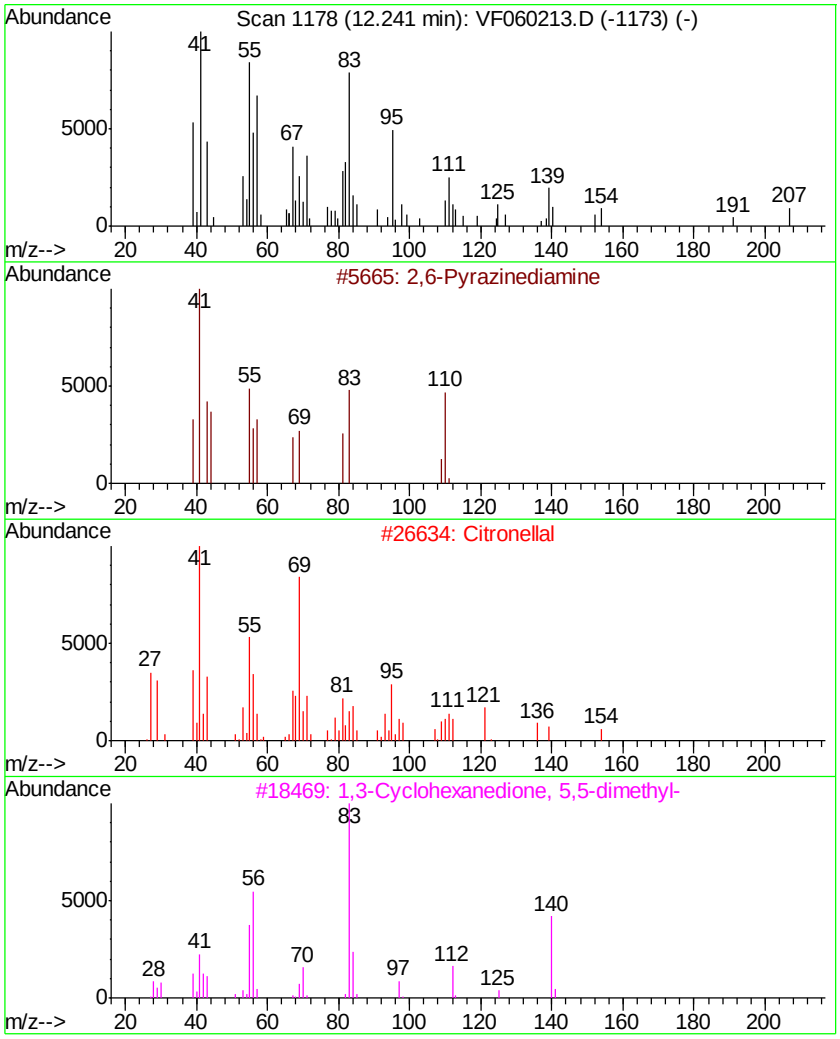
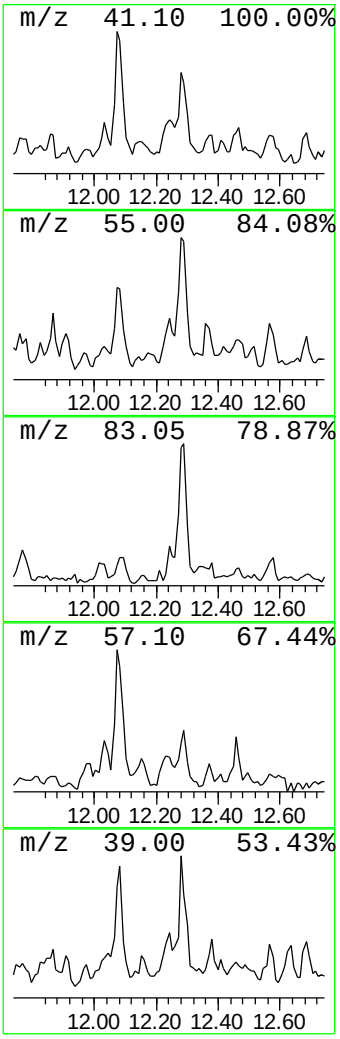
Peak Number 7 unknown12.24 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	7.26 ug/l	80481	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Pyrazinediamine	110	C4H6N4	041536-80-5	46
2	Citronellal	154	C10H18O	000106-23-0	43
3	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	38
4	6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	38
5	2-Heptenal, (E)-	112	C7H12O	018829-55-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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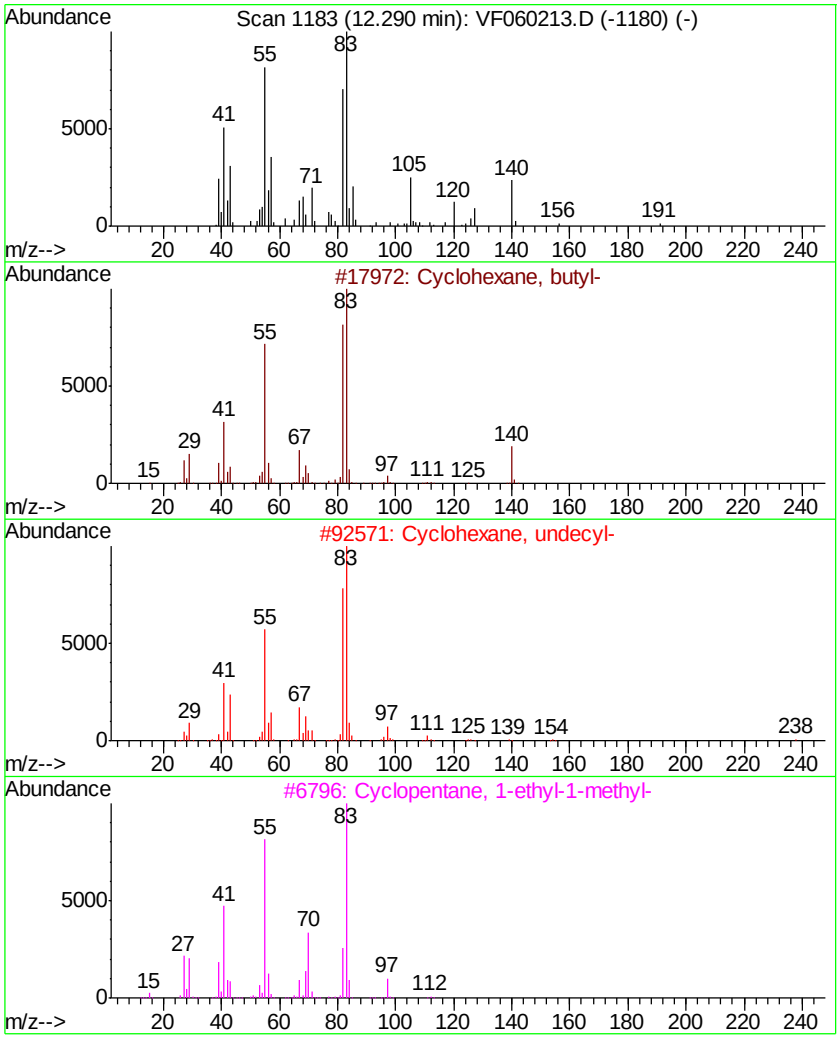
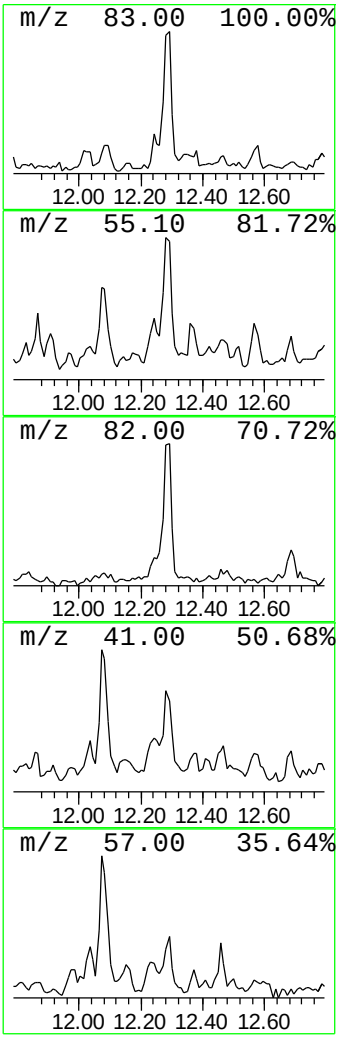
Peak Number 8 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	11.31 ug/l	125483	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	52
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	47
3	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	45
4	1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	45
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43





Library Search Compound Report

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Data File : VF060213.D
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Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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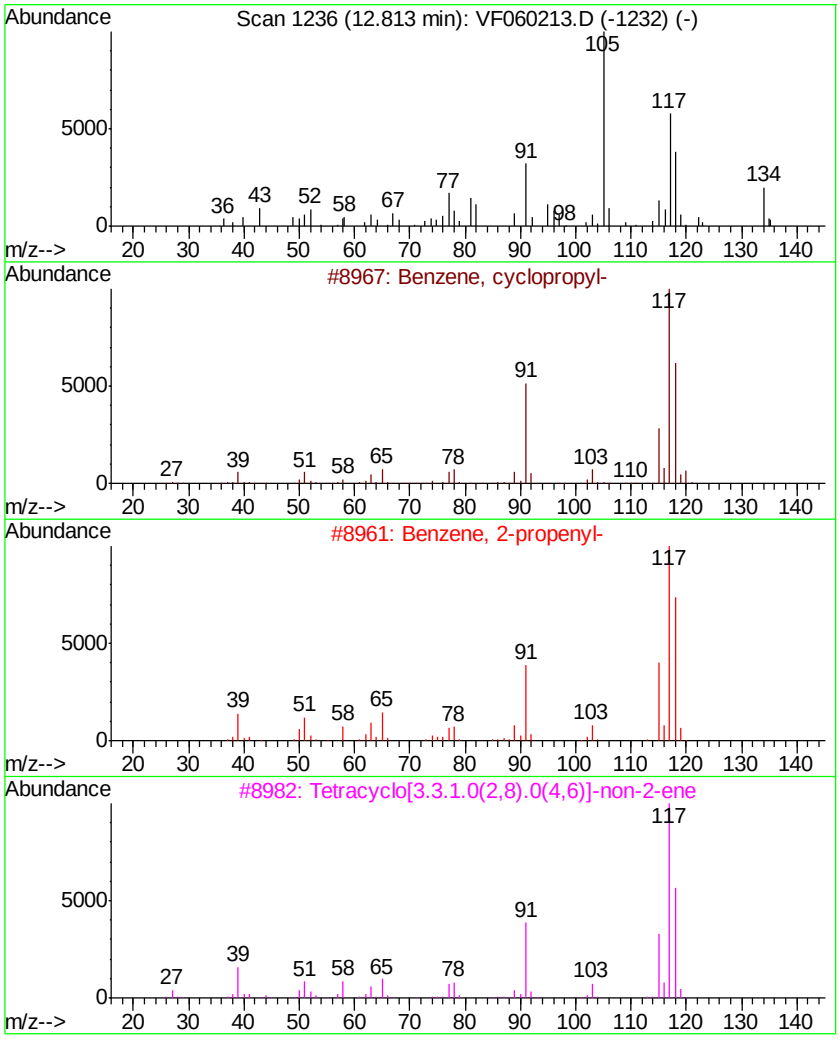
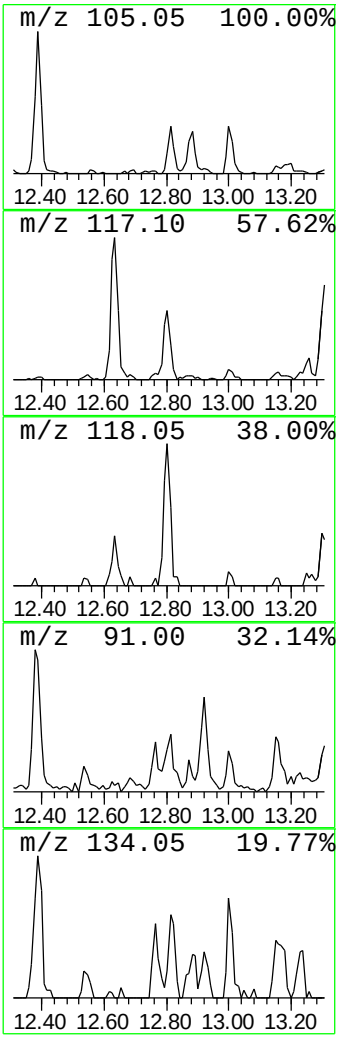
Peak Number 9 unknown12.81 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	6.04 ug/l	67041	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	46
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	41
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	41
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	38
5	Indane	118	C9H10	000496-11-7	38





Library Search Compound Report

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Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
Misc : 5.83g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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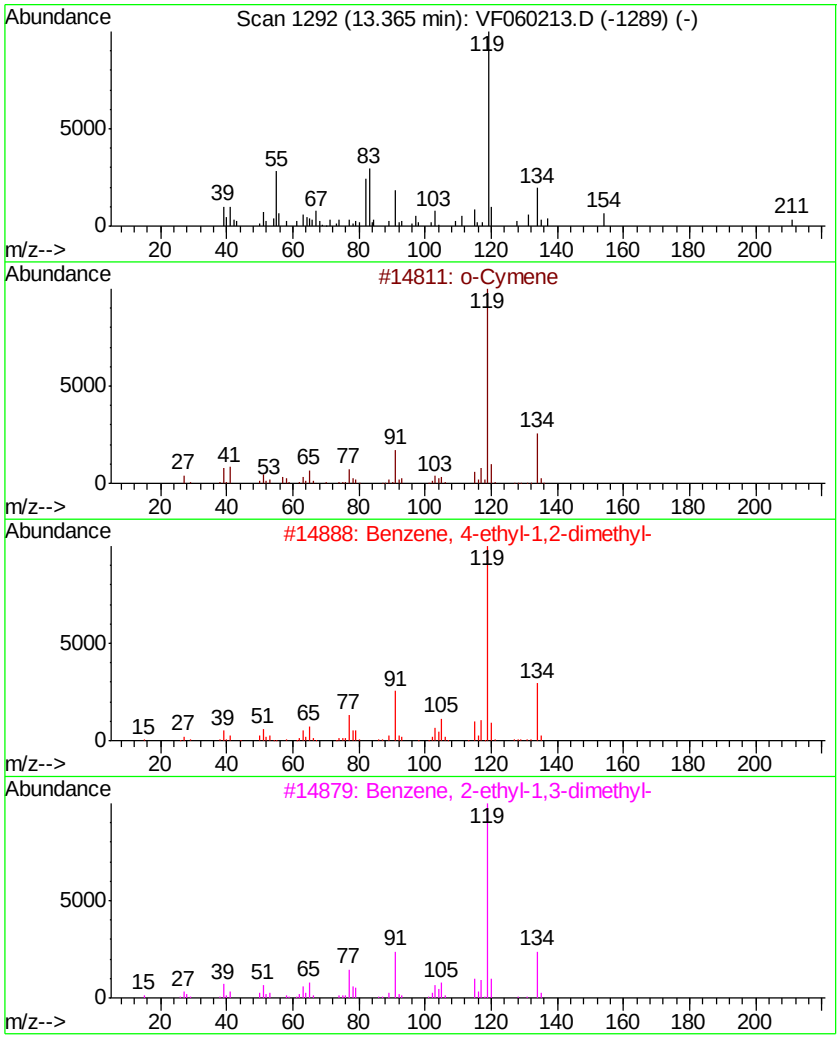
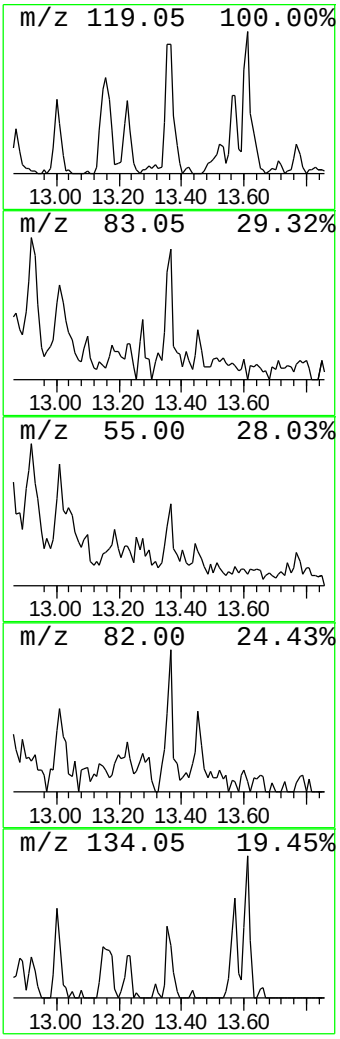
Peak Number 10 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	6.51 ug/l	72227	1,4-Dichlorobenzene-d4	12.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	58
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	58
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
Data File : VF060213.D
Acq On : 7 Sep 2018 16:31
Operator : VA/AP
Sample : J4693-19
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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : EP1-MW-G(15-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane, 2,6-dimet...	10.78	13.9	ug/l	146825	3	9.92	526155	50.0
unknown11.16	11.16	7.0	ug/l	74162	3	9.92	526155	50.0
Cyclohexane, 1,1,...	11.37	11.2	ug/l	124081	4	12.64	554645	50.0
unknown11.65	11.65	9.1	ug/l	100787	4	12.64	554645	50.0
unknown11.71	11.71	5.6	ug/l	62493	4	12.64	554645	50.0
Decane, 4-methyl-	12.07	13.7	ug/l	152328	4	12.64	554645	50.0
unknown12.24	12.24	7.3	ug/l	80481	4	12.64	554645	50.0
Cyclohexane, butyl-	12.29	11.3	ug/l	125483	4	12.64	554645	50.0
unknown12.81	12.81	6.0	ug/l	67041	4	12.64	554645	50.0
o-Cymene	13.36	6.5	ug/l	72227	4	12.64	554645	50.0