LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060446.D
Acq On : 4 Oct 2018 20:01
Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

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\82F100118S.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	1.360	70	74	75	rBV3	9534	20404	1.35%	0.100%
2	1.695	104	108	111	rBV5	10030	24309	1.61%	0.119%
3	2.276	164	167	168	rBV2	12054	19213	1.27%	0.094%
4	2.306	168	170	179	rVB4	17373	62004	4.10%	0.304%
5	2.474	182	187	194	rBV3	33975	90267	5.97%	0.442%
6	3.154	254	256	258	rVB3	13015	16889	1.12%	0.083%
7	4.277	363	370	385	rVB	156243	499691	33.07%	2.448%
8	4.790	415	422	428	rBV	13510	37516	2.48%	0.184%
9	5.017	438	445	461	rVB3	271615	884048	58.51%	4.330%
10	5.746	513	519	529	rBV	257123	682671	45.18%	3.344%
11	7.225	665	669	676	rVB6	5590	17087	1.13%	0.084%
12	7.540	695	701	706	rBV4	6963	23068	1.53%	0.113%
13	7.698	711	717	722	rBV	177548	407068	26.94%	1.994%
14	9.906	936	941	950	rBV	243440	539992	35.74%	2.645%
15	11.187	1067	1071	1072	rVV4	12970	31361	2.08%	0.154%
16	11.217	1072	1074	1079	rVB3	18210	32155	2.13%	0.157%
17	11.355	1084	1088	1091	rBV4	13669	29684	1.96%	0.145%
18	11.503	1099	1103	1113	rBV	236803	410466	27.16%	2.010%
19	11.641	1113	1117	1119	rBV4	10150	19710	1.30%	0.097%
20	11.690	1119	1122	1124	rBV3	27452	49130	3.25%	0.241%
21	11.730	1124	1126	1129	rVB2	23925	34595	2.29%	0.169%
22	11.799	1129	1133	1136	rVB4	11895	23225	1.54%	0.114%
23	11.858	1136	1139	1141	rBV2	14598	19988	1.32%	0.098%
24	11.907	1141	1144	1148	rBV4	12969	30926	2.05%	0.151%
25	11.966	1148	1150	1151	rBV2	14372	17016	1.13%	0.083%
26	12.006	1151	1154	1157	rBV3	14221	26511	1.75%	0.130%
27	12.075	1157	1161	1164	rBV2	45209	89424	5.92%	0.438%
28	12.124	1164	1166	1169	rVB4	33473	43540	2.88%	0.213%
29	12.203	1169	1174	1179	rVB	555939	998245	66.06%	4.889%
30	12.272	1179	1181	1184	rVB3	12402	20842	1.38%	0.102%
31	12.331	1184	1187	1189	rBV2	15140	36844	2.44%	0.180%
32	12.380	1189	1192	1194	rVB2	25737	42112	2.79%	0.206%
33	12.429	1194	1197	1201	rBV2	188718	379319	25.10%	1.858%
34	12.489	1201	1203	1206	rVB2	39692	63688	4.21%	0.312%

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Integrator: RTE
Smoothing : ON Filtering: 5
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Title : SW846 8260

35	12.538	1206	1208	1210	rBV2	19350	19830	1.31%	0.097%
36	12.617	1212	1216	1221	rBV2	315706	664419	43.97%	3.254%
37	12.725	1221	1227	1229	rBV2	122757	335990	22.24%	1.646%
38	12.784	1229	1233	1235	rVV3	103988	226780	15.01%	1.111%
39	12.824	1235	1237	1242	rVV3	123285	261099	17.28%	1.279%
40	12.932	1242	1248	1252	rVV	845042	1511044	100.00%	7.401%
41	13.011	1252	1256	1258	rVV	301722	585997	38.78%	2.870%
42	13.050	1258	1260	1263	rVV3	113054	253133	16.75%	1.240%
43	13.100	1263	1265	1267	rVV2	41208	61612	4.08%	0.302%
44	13.149	1267	1270	1272	rVV2	104991	183642	12.15%	0.899%
45	13.198	1272	1275	1279	rVV	366429	634221	41.97%	3.106%
46	13.287	1279	1284	1289	rVV2	647260	1278089	84.58%	6.260%
47	13.356	1289	1291	1292	rVV	35478	42417	2.81%	0.208%
48	13.386	1292	1294	1296	rVB2	74499	96608	6.39%	0.473%
49	13.435	1296	1299	1303	rBV3	122189	312284	20.67%	1.530%
50	13.524	1303	1308	1312	rVB3	97539	301001	19.92%	1.474%
51	13.593	1312	1315	1316	rBV3	32484	47619	3.15%	0.233%
52	13.622	1316	1318	1322	rVB3	57176	95707	6.33%	0.469%
53	13.711	1322	1327	1330	rBV	378579	652874	43.21%	3.198%
54	13.790	1330	1335	1340	rVB2	181224	397887	26.33%	1.949%
55	13.878	1342	1344	1346	rBV3	25146	42361	2.80%	0.207%
56	13.987	1352	1355	1357	rBV	229835	296730	19.64%	1.453%
57	14.036	1357	1360	1361	rBV	190785	302775	20.04%	1.483%
58	14.056	1361	1362	1367	rVV4	134956	214849	14.22%	1.052%
59	14.135	1367	1370	1372	rVV2	151477	222230	14.71%	1.089%
60	14.194	1372	1376	1377	rVV3	27173	46146	3.05%	0.226%
61	14.233	1377	1380	1382	rVV4	57147	100306	6.64%	0.491%
62	14.273	1382	1384	1387	rVB3	67358	110147	7.29%	0.540%
63	14.361	1392	1393	1395	rBV2	26741	24735	1.64%	0.121%
64	14.401	1395	1397	1401	rVB3	63237	148578	9.83%	0.728%
65	14.460	1401	1403	1407	rVB5	24492	42186	2.79%	0.207%
66	14.529	1407	1410	1412	rBV2	69189	181522	12.01%	0.889%
67	14.588	1413	1416	1419	rVB	475447	723108	47.85%	3.542%
68	14.667	1419	1424	1426	rBV4	207957	463528	30.68%	2.270%
69	14.736	1429	1431	1433	rVB2	46936	54500	3.61%	0.267%
70	14.775	1433	1435	1439	rVB2	104690	156760	10.37%	0.768%
71	14.844	1439	1442	1444	rBV	137800	206565	13.67%	1.012%

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ClientSampleId : 280-356

Integration Parameters: RTEINT.P
Integrator: RTE
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72	14.894	1444	1447	1449	rBV	137133	183267	12.13%	0.898%
73	15.012	1456	1459	1463	rBV2	144344	226707	15.00%	1.110%
74	15.091	1464	1467	1470	rVB2	94120	188555	12.48%	0.924%
75	15.170	1470	1475	1477	rBV	307119	523504	34.65%	2.564%
76	15.209	1477	1479	1481	rVB	124827	165715	10.97%	0.812%
77	15.318	1487	1490	1496	rVB3	158318	376601	24.92%	1.845%
78	15.406	1496	1499	1501	rVV2	82768	166470	11.02%	0.815%
79	15.456	1501	1504	1506	rVV3	86810	176073	11.65%	0.862%
80	15.505	1506	1509	1511	rVV3	131929	326856	21.63%	1.601%
81	15.544	1511	1513	1516	rVV	383871	513251	33.97%	2.514%
82	15.613	1517	1520	1524	rVB2	130258	306173	20.26%	1.500%
83	15.682	1524	1527	1531	rBV3	51909	118013	7.81%	0.578%
84	15.830	1539	1542	1545	rVB2	27496	43103	2.85%	0.211%
85	15.948	1551	1554	1557	rVB3	27321	57574	3.81%	0.282%
86	16.008	1557	1560	1563	rVB3	15292	21998	1.46%	0.108%

Sum of corrected areas: 20416147

LSC Report - Integrated Chromatogram

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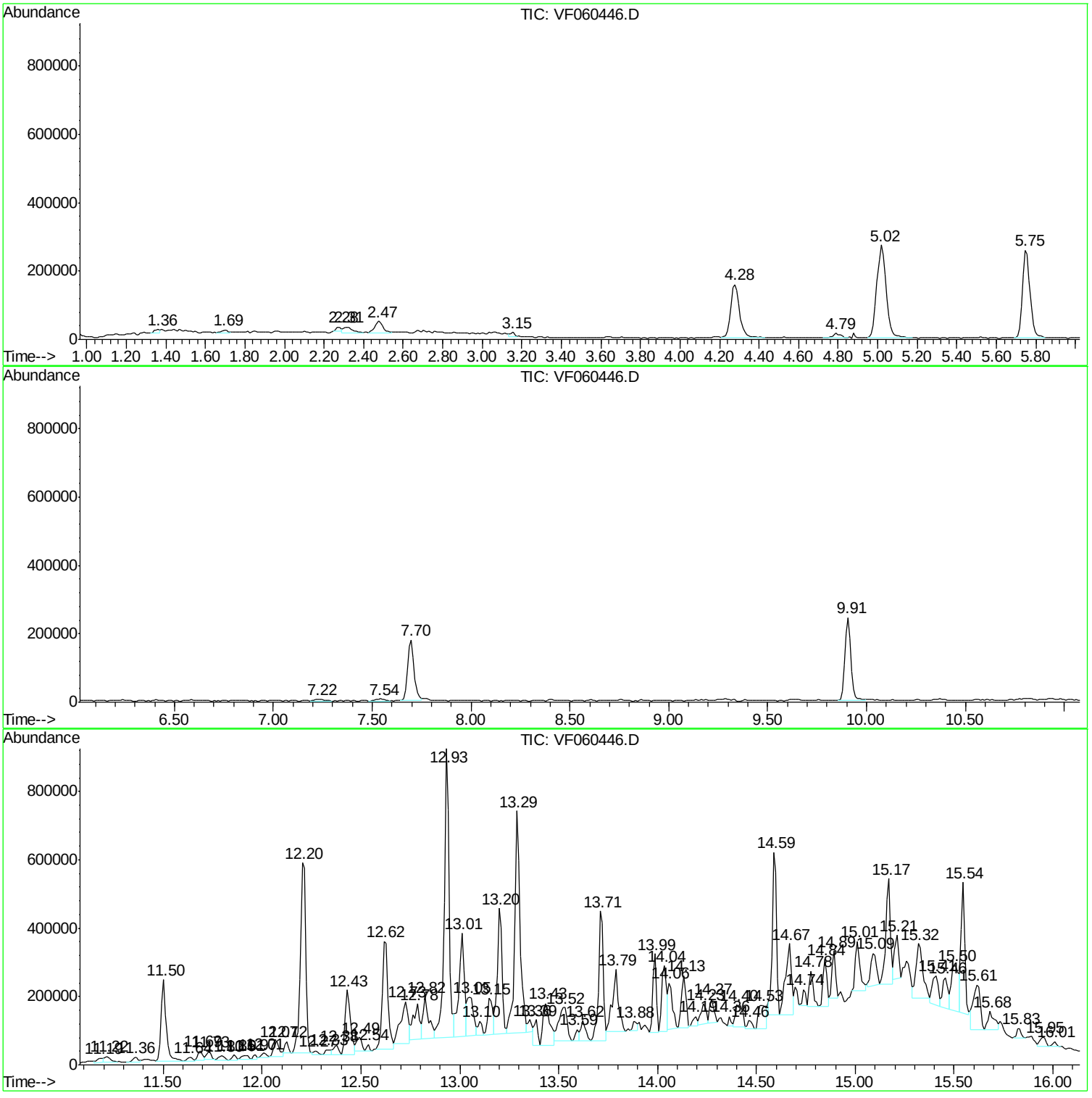
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.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\VF100418\
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Sample : J5218-01
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ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

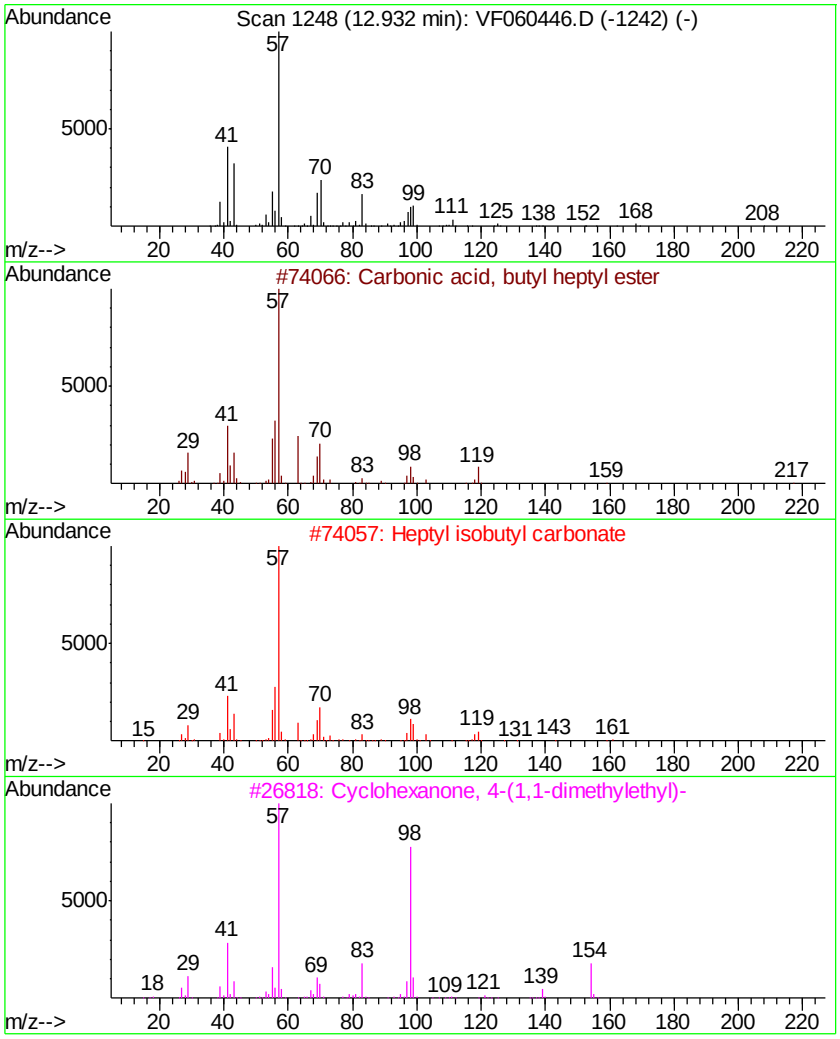
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

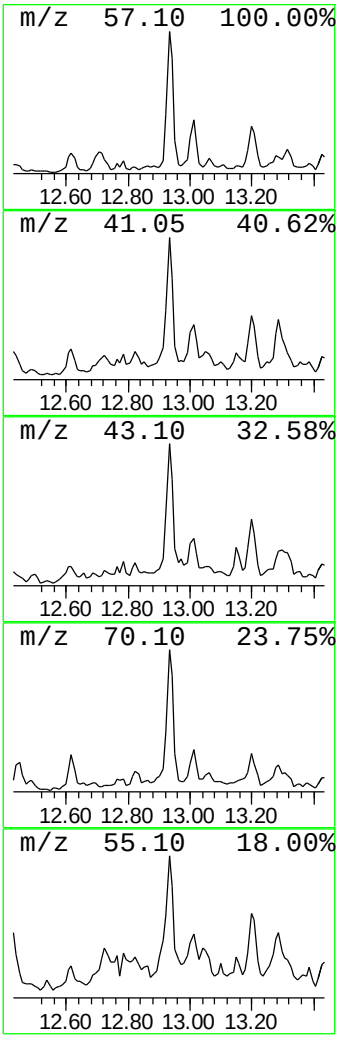
****

Peak Number 1 Carbonic acid, butyl heptyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	113.71 ug/l	1511040	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, butyl heptyl ester	216	C12H24O3	1000314-63-4	59
2	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	56
3	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	50
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	45





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Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

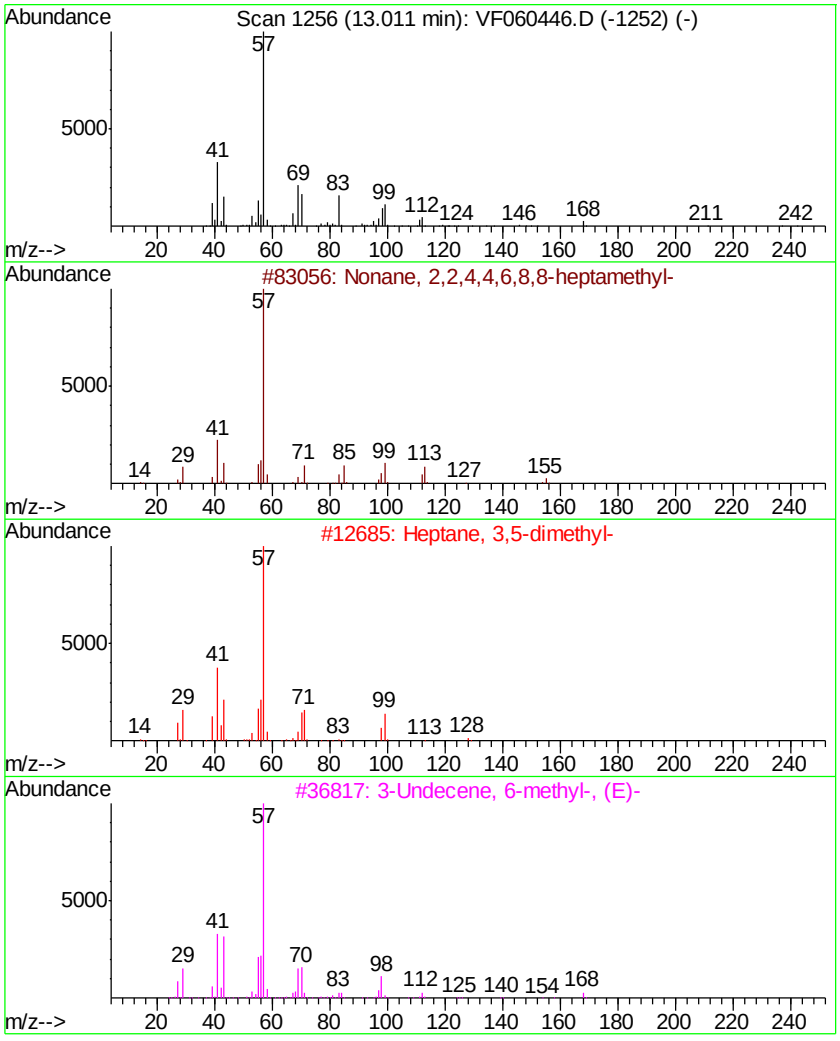
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

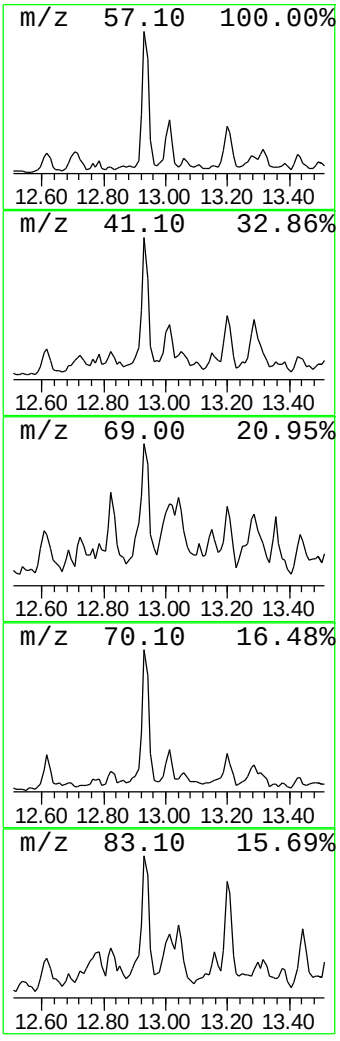
****

Peak Number 2 unknown13.01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	44.10 ug/l	585997	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	45
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	40
3	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	38
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	37
5	2-Ethyl-1-hexanol, trifluoroacetate	226	C10H17F3O2	1000365-19-6	37





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Instrument : MSVOA_F
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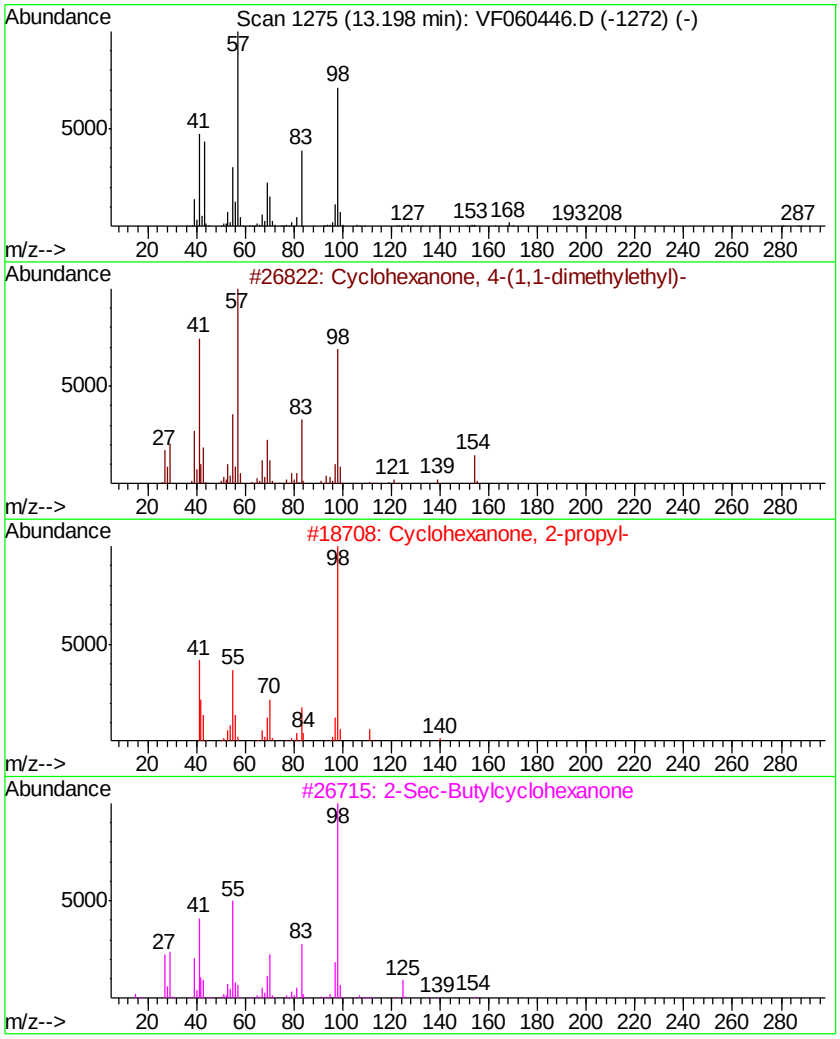
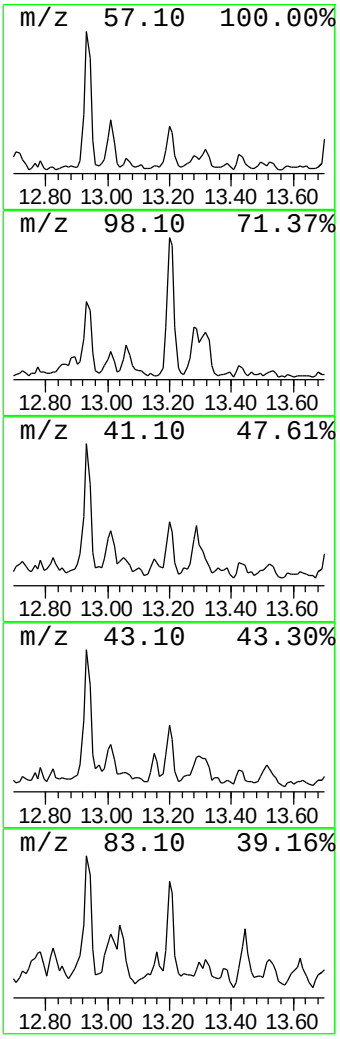
****

Peak Number 3 Cyclohexanone, 4-(1,1-dimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	47.73 ug/l	634221	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	72
2	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	47
3	2-Sec-Butylcyclohexanone	154	C10H18O	1000342-30-8	43
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	2,3-2H-4-Methyl-imidazole-2-one	98	C4H6N2O	039799-77-4	43





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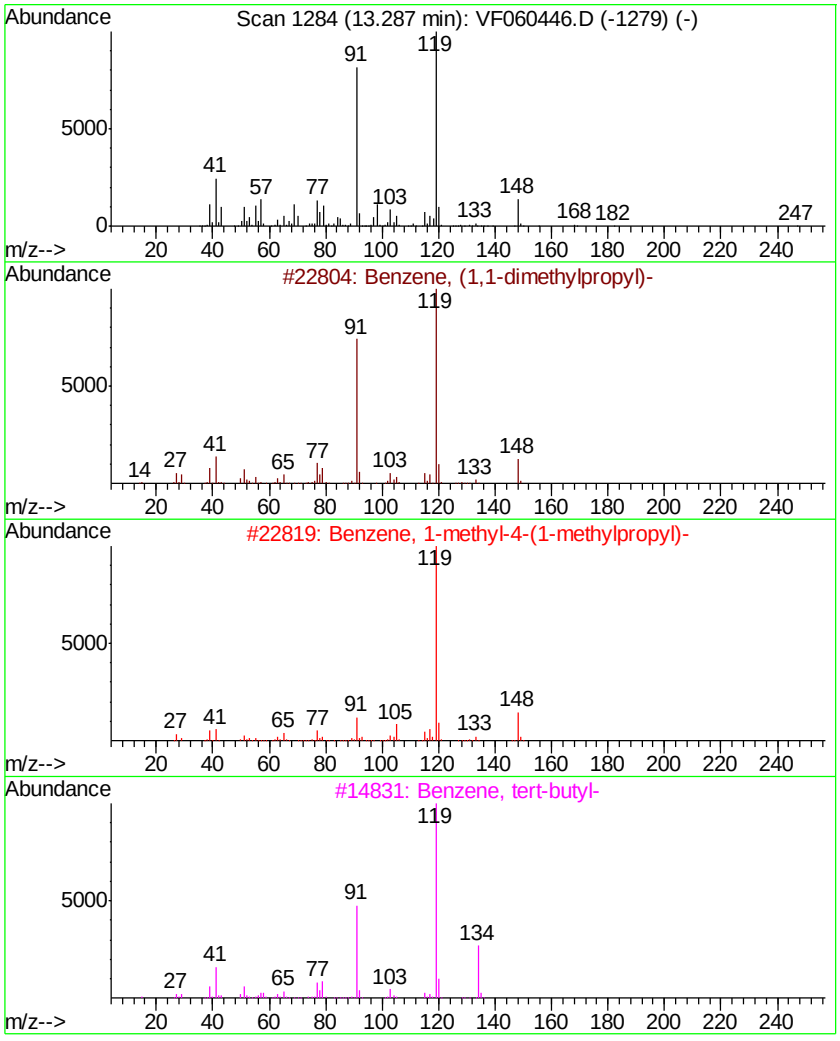
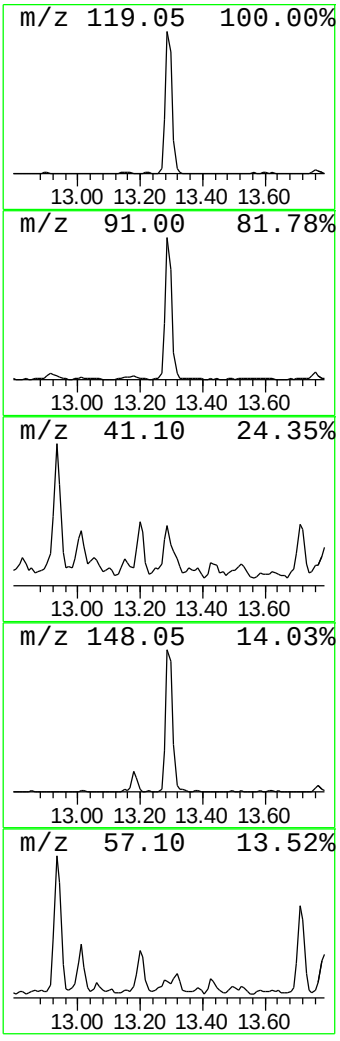
****

Peak Number 4 Benzene, (1,1-dimethylpropyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	96.18 ug/l	1278090	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	95
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	81
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	64
5	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	64





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Quant Title : SW846 8260

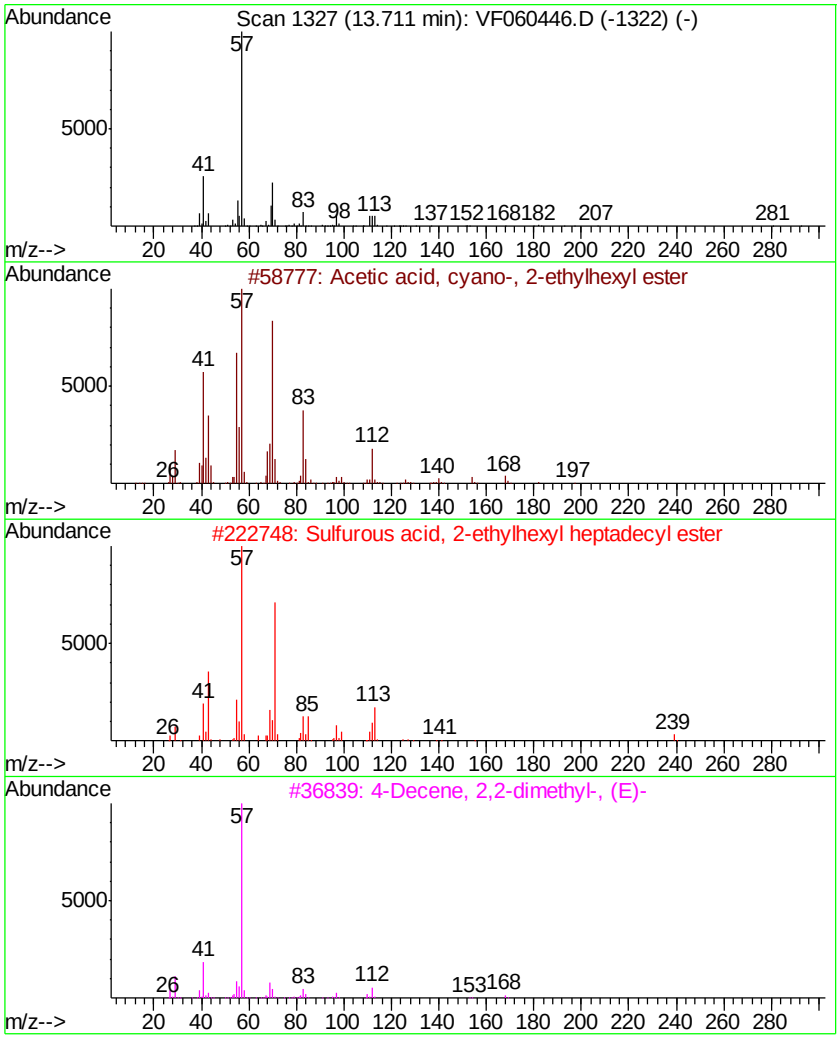
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

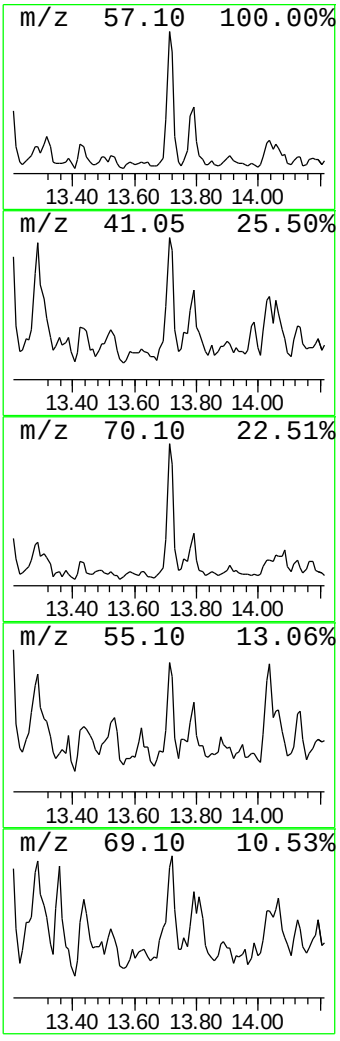
****

Peak Number 5 unknown13.71 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	49.13 ug/l	652874	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, cyano-, 2-ethylhexy...	197	C11H19NO2	013361-34-7	38
2	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	38
3	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	37
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	36
5	Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	35





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

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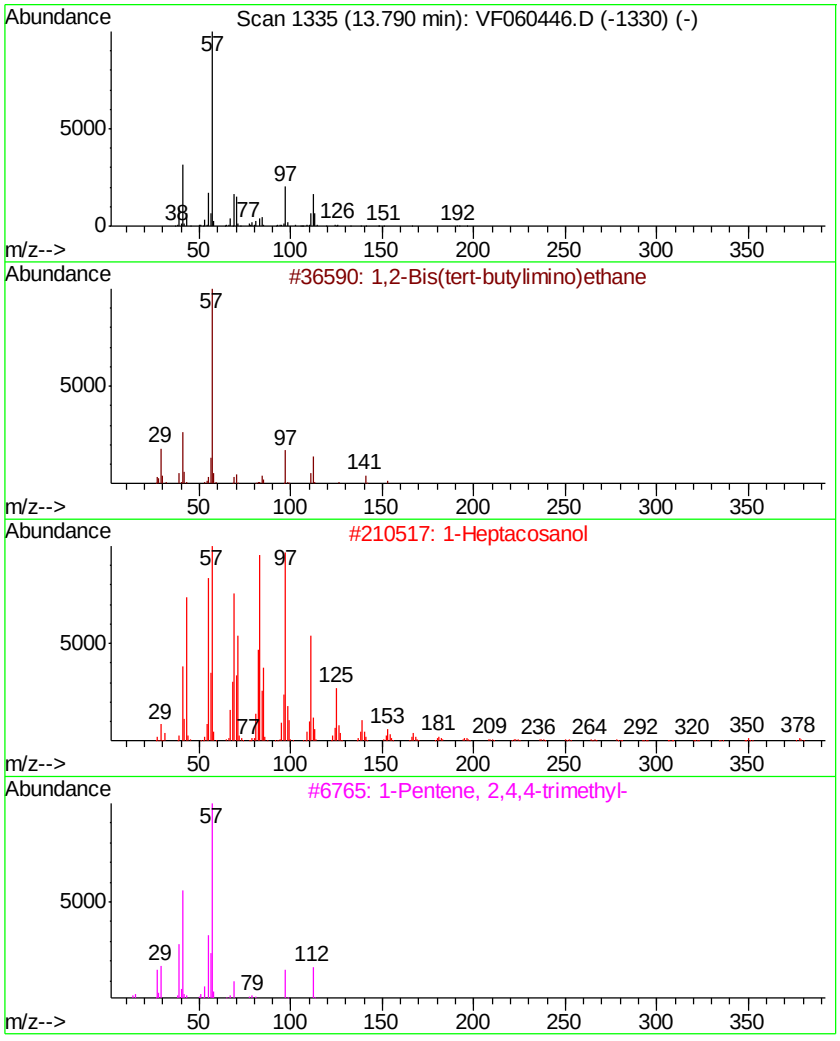
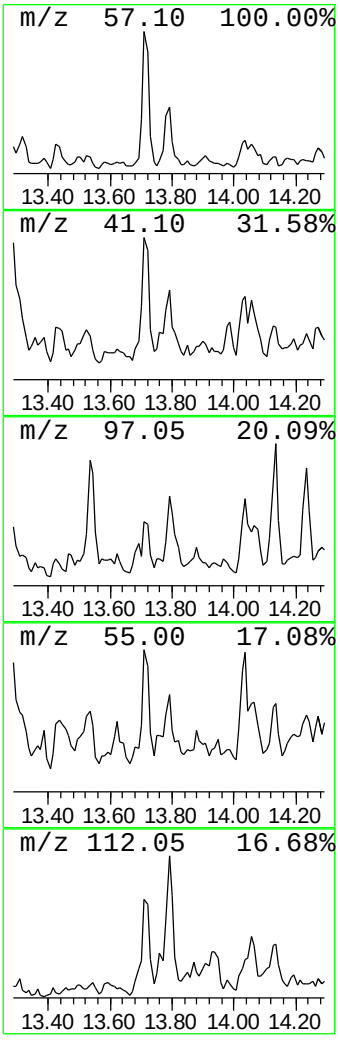
****

Peak Number 6 unknown13.79 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	29.94 ug/l	397887	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Bis(tert-butylimino)ethane	168	C10H20N2	030834-74-3	45
2	1-Heptacosanol	396	C27H56O	002004-39-9	43
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	42
4	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	42
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	42





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Data File : VF060446.D
Acq On : 4 Oct 2018 20:01
Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

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

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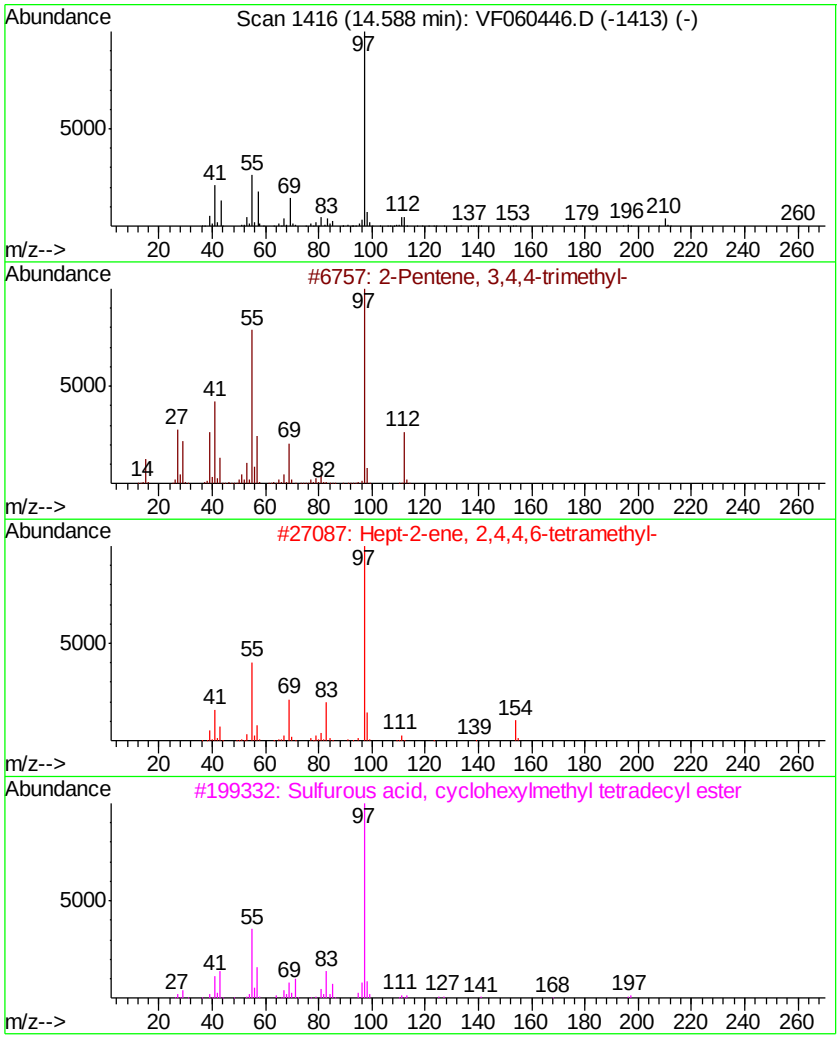
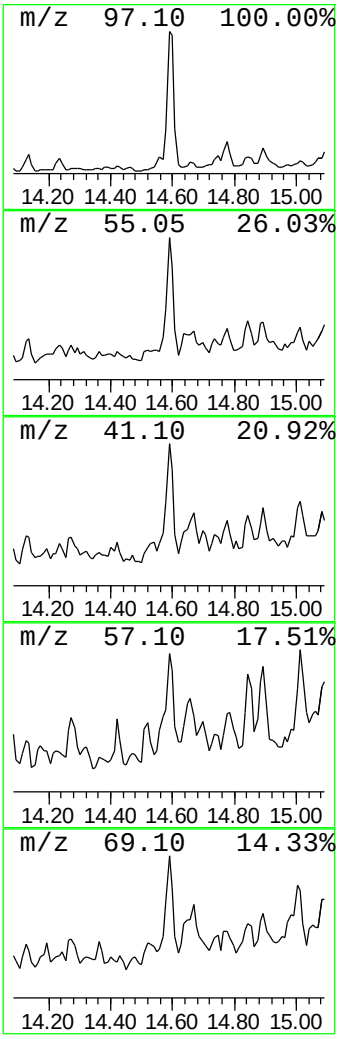
Peak Number 7 2-Pentene, 3,4,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	54.42 ug/l	723108	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4,4-trimethyl-	112	C8H16	000598-96-9	72
2	Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	59
3	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	56
4	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	56
5	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
Data File : VF060446.D
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Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

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

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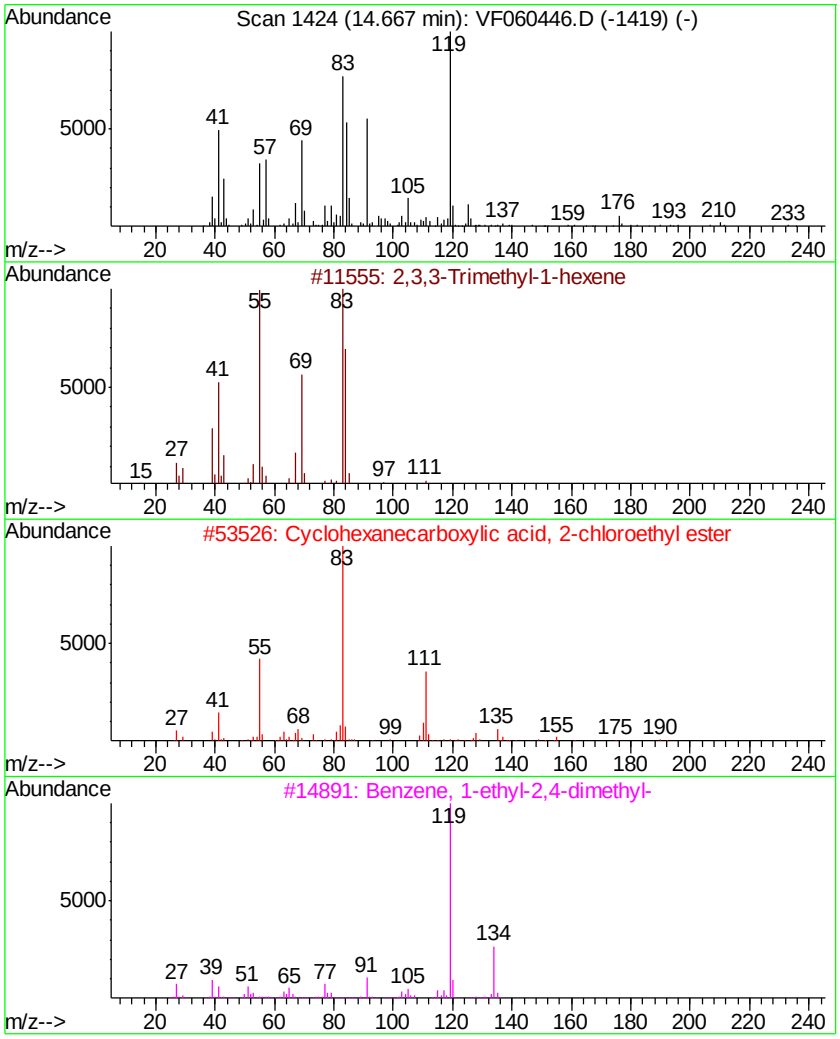
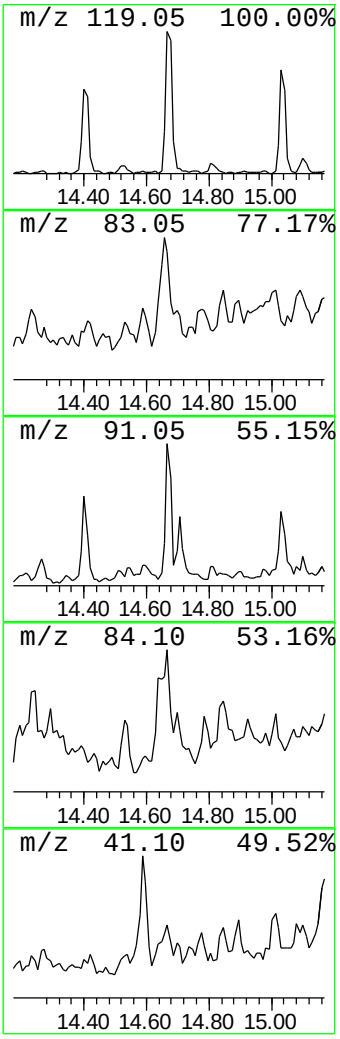
Peak Number 8 unknown14.67 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	34.88 ug/l	463528	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	38
2	Cyclohexanecarboxylic acid, 2-ch...	190	C9H15ClO2	1000330-87-6	25
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	22
4	3-Methylbenzoic acid, 2-formyl-4...	308	C15H10Cl2O3	1000331-26-9	22
5	4-Methylbenzoic acid, propargyl ...	174	C11H10O2	1000325-59-9	22





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Data File : VF060446.D
Acq On : 4 Oct 2018 20:01
Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

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

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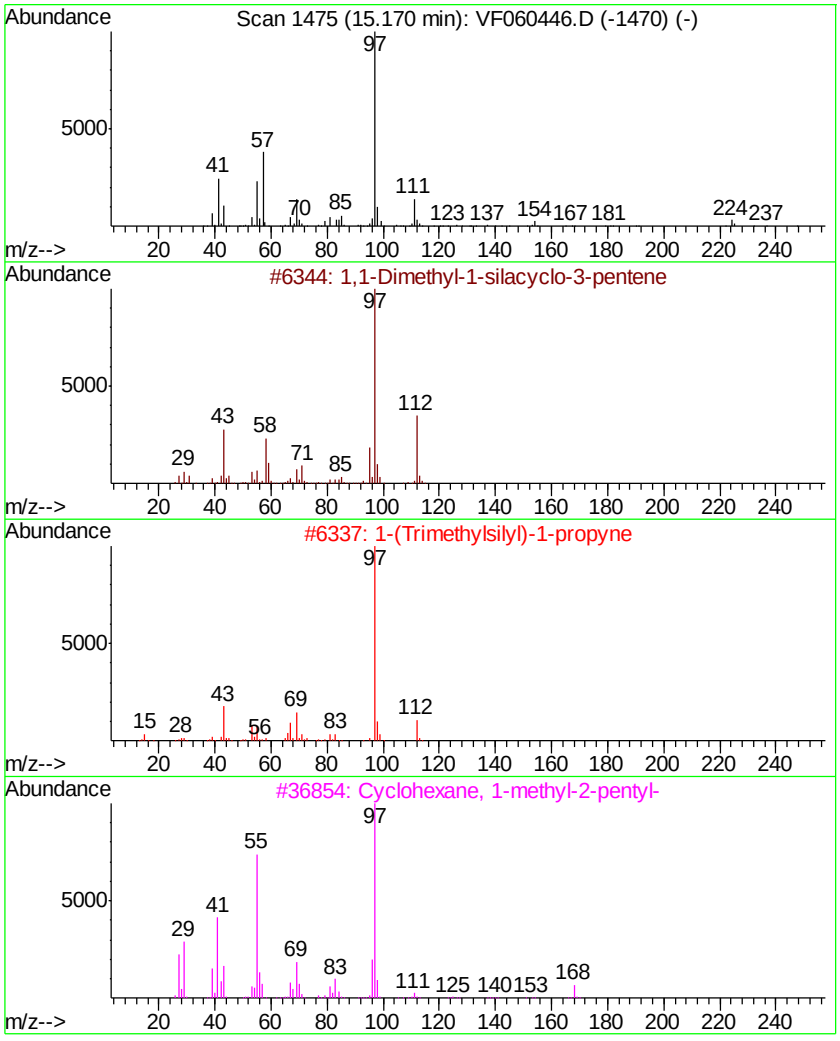
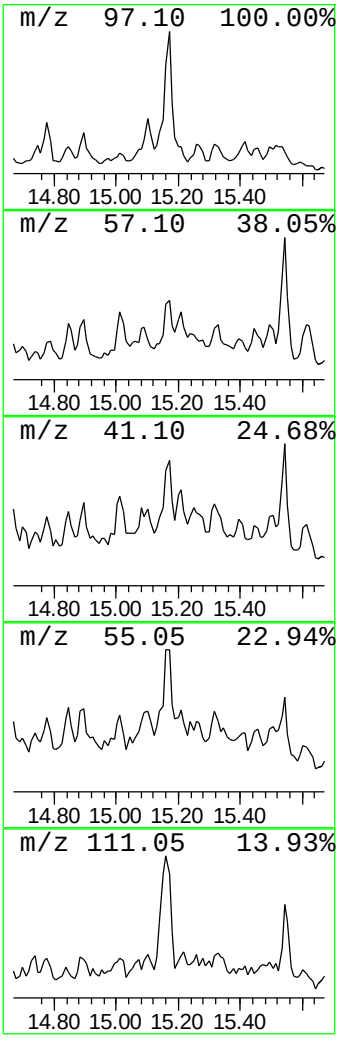
Peak Number 9 1,1-Dimethyl-1-silacyclo-3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	39.40 ug/l	523504	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethyl-1-silacyclo-3-pentene	112	C6H12Si	016054-12-9	59
2	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	53
3	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	53
4	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	50
5	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	50





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Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260

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

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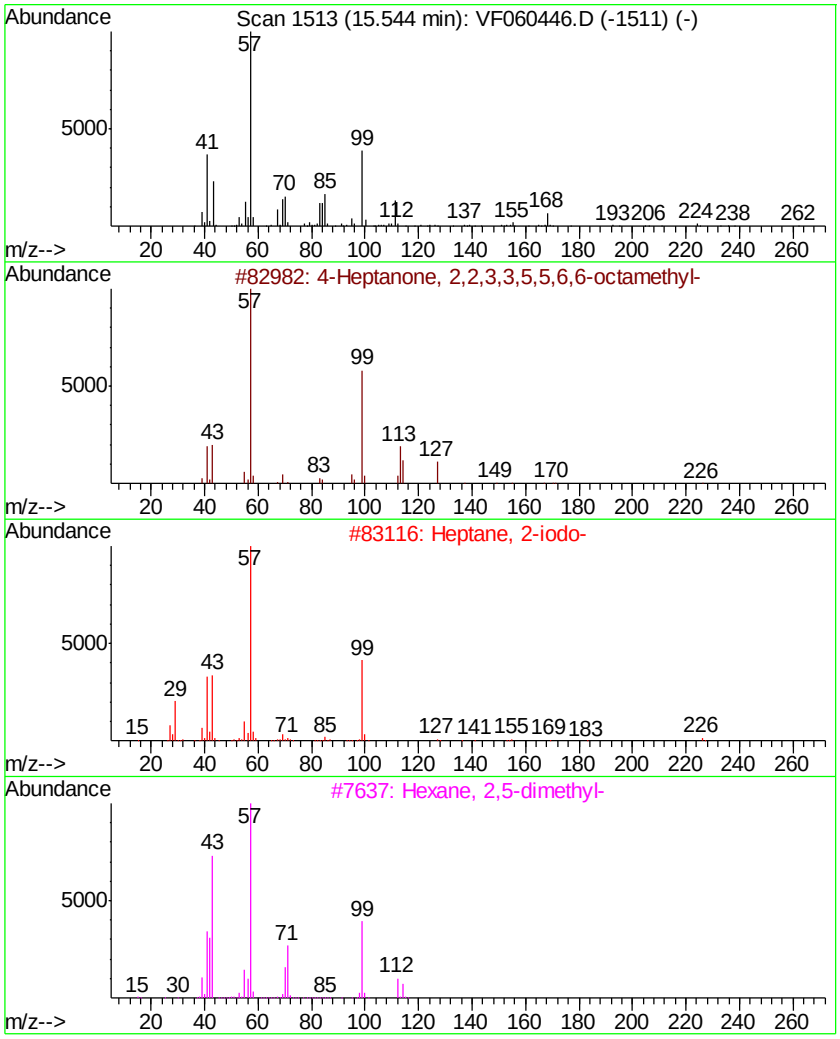
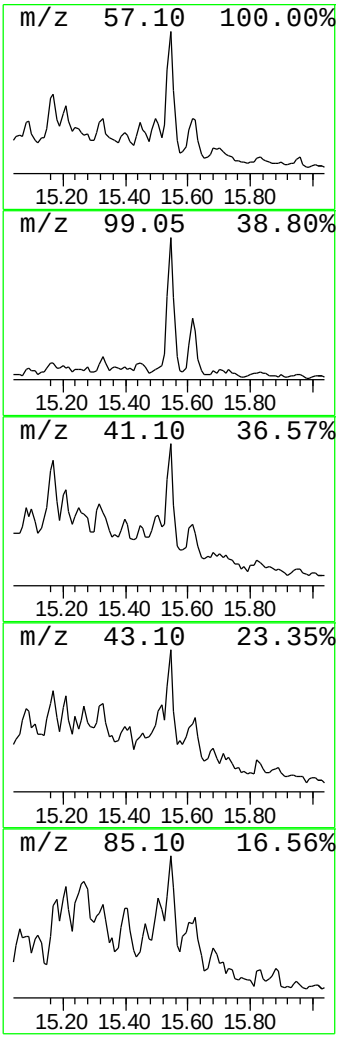
Peak Number 10 unknown15.54 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	38.62 ug/l	513251	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,2,3,3,5,5,6,6-oct...	226	C15H30O	016424-66-1	47
2	Heptane, 2-iodo-	226	C7H15I	018589-29-2	43
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43
4	Heptane, 3-bromo-	178	C7H15Br	001974-05-6	37
5	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100418\
Data File : VF060446.D
Acq On : 4 Oct 2018 20:01
Operator : VA/AP
Sample : J5218-01
Misc : 5.26/5mL/MSVOA_F/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 280-356

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.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
Carbonic acid, bu...	12.93	113.7	ug/l	1511040	4	12.63	664419	50.0
unknown13.01	13.01	44.1	ug/l	585997	4	12.63	664419	50.0
Cyclohexanone, 4-...	13.20	47.7	ug/l	634221	4	12.63	664419	50.0
Benzene, (1,1-dim...	13.29	96.2	ug/l	1278090	4	12.63	664419	50.0
unknown13.71	13.71	49.1	ug/l	652874	4	12.63	664419	50.0
unknown13.79	13.79	29.9	ug/l	397887	4	12.63	664419	50.0
2-Pentene, 3,4,4-...	14.59	54.4	ug/l	723108	4	12.63	664419	50.0
unknown14.67	14.67	34.9	ug/l	463528	4	12.63	664419	50.0
1,1-Dimethyl-1-si...	15.17	39.4	ug/l	523504	4	12.63	664419	50.0
unknown15.54	15.54	38.6	ug/l	513251	4	12.63	664419	50.0