LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061097.D
Acq On : 19 Dec 2018 21:00
Operator : VA/AP
Sample : J6452-01
Misc : 8.61g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

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\82F121918S.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	3.747	298	316	324	rBV2	449825	2209259	1.49%	0.345%
2	4.013	336	343	350	rBV3	389232	1661721	1.12%	0.259%
3	4.645	399	407	424	rVV	3922300	15351649	10.35%	2.396%
4	5.464	478	490	494	rBV	673064	2756046	1.86%	0.430%
5	6.608	600	606	622	rVB2	798386	4548628	3.07%	0.710%
6	6.835	622	629	644	rVB	719720	3199425	2.16%	0.499%
7	7.091	644	655	661	rBV2	424330	2784299	1.88%	0.435%
8	8.304	772	778	785	rBV2	519396	2290210	1.54%	0.357%
9	8.472	785	795	806	rVV3	1236298	6358264	4.29%	0.992%
10	8.660	807	814	822	rVV4	551008	3424018	2.31%	0.534%
11	9.015	842	850	856	rBV2	892894	4803478	3.24%	0.750%
12	9.133	856	862	874	rVB3	1516104	8046727	5.42%	1.256%
13	9.360	874	885	892	rBV	1734867	9924092	6.69%	1.549%
14	9.626	904	912	917	rBV4	368879	1960938	1.32%	0.306%
15	9.952	925	945	950	rBV4	17686813	148358460	100.00%	23.154%
16	10.110	957	961	969	rVB4	835980	2472256	1.67%	0.386%
17	10.277	972	978	985	rBV3	2306353	13191479	8.89%	2.059%
18	10.396	985	990	995	rVB2	2068158	7596527	5.12%	1.186%
19	10.553	1000	1006	1010	rBV5	3458960	11932617	8.04%	1.862%
20	10.731	1017	1024	1032	rBV4	10674047	39464557	26.60%	6.159%
21	10.889	1036	1040	1043	rVB	3644919	8275276	5.58%	1.292%
22	10.997	1049	1051	1055	rVB	1605720	2830249	1.91%	0.442%
23	11.096	1055	1061	1065	rBV3	5413349	17730226	11.95%	2.767%
24	11.175	1065	1069	1073	rVB2	6374413	14843391	10.01%	2.317%
25	11.313	1075	1083	1092	rBV5	6168207	28252095	19.04%	4.409%
26	11.481	1092	1100	1103	rBV5	3130652	12767206	8.61%	1.993%
27	11.609	1108	1113	1116	rVV2	6622451	19350130	13.04%	3.020%
28	11.668	1116	1119	1121	rVV2	3622202	7344664	4.95%	1.146%
29	11.717	1121	1124	1126	rVV3	1825694	3209156	2.16%	0.501%
30	11.806	1130	1133	1136	rVB2	2764726	5287849	3.56%	0.825%
31	11.925	1141	1145	1148	rBV	3222082	9232342	6.22%	1.441%
32	11.994	1149	1152	1153	rVV	4342339	8684861	5.85%	1.355%
33	12.053	1153	1158	1162	rVV3	11845243	32368698	21.82%	5.052%
34	12.122	1162	1165	1169	rVB3	4738155	9488890	6.40%	1.481%

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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

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

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Peak separation: 5

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Title : SW846 8260

35	12.201	1169	1173	1174	rBV2	7248106	14495764	9.77%	2.262%
36	12.250	1174	1178	1183	rVV3	11984438	27882080	18.79%	4.352%
37	12.329	1183	1186	1188	rVV3	4261779	6680115	4.50%	1.043%
38	12.368	1188	1190	1192	rVV2	1862836	2338112	1.58%	0.365%
39	12.408	1192	1194	1199	rVB2	2654958	5122001	3.45%	0.799%
40	12.526	1204	1206	1210	rVV2	3242955	4526320	3.05%	0.706%
41	12.635	1214	1217	1221	rVV2	4167482	8430311	5.68%	1.316%
42	12.694	1221	1223	1226	rVB3	1167027	1790042	1.21%	0.279%
43	12.812	1233	1235	1238	rVB2	2599289	3576622	2.41%	0.558%
44	12.872	1238	1241	1244	rVB3	3952678	8107302	5.46%	1.265%
45	12.960	1247	1250	1254	rBV3	2286041	5301096	3.57%	0.827%
46	13.029	1254	1257	1261	rVB2	3871026	8186341	5.52%	1.278%
47	13.089	1261	1263	1265	rBV3	1755140	2765019	1.86%	0.432%
48	13.138	1265	1268	1270	rBV2	2730710	3430736	2.31%	0.535%
49	13.227	1273	1277	1279	rVB3	2235933	4282163	2.89%	0.668%
50	13.266	1279	1281	1283	rVB	1701336	2068133	1.39%	0.323%
51	13.306	1283	1285	1288	rBV3	3301102	5891577	3.97%	0.919%
52	13.355	1288	1290	1292	rVB	1455365	1870768	1.26%	0.292%
53	13.394	1292	1294	1297	rVB	2589790	3392044	2.29%	0.529%
54	13.552	1307	1310	1318	rVB4	2688286	7398367	4.99%	1.155%
55	13.740	1325	1329	1333	rVB4	802671	2060077	1.39%	0.322%
56	13.858	1338	1341	1345	rVB3	2296762	4145194	2.79%	0.647%
57	13.917	1345	1347	1350	rVB3	971383	1492001	1.01%	0.233%
58	13.967	1350	1352	1354	rBV2	1113161	1735366	1.17%	0.271%
59	14.006	1354	1356	1360	rVB2	1115904	1761434	1.19%	0.275%
60	14.164	1369	1372	1376	rVB5	1124131	2543778	1.71%	0.397%
61	14.302	1382	1386	1388	rBV3	1226700	2737594	1.85%	0.427%
62	14.341	1388	1390	1396	rVB	2150540	4087640	2.76%	0.638%
63	14.460	1397	1402	1410	rBV3	1677268	6490986	4.38%	1.013%
64	14.608	1414	1417	1420	rVB	910938	1677746	1.13%	0.262%
65	14.706	1424	1427	1429	rBV	916518	1632915	1.10%	0.255%
66	14.825	1436	1439	1441	rBV2	930470	1731738	1.17%	0.270%
67	14.874	1441	1444	1446	rVV3	1193653	2332350	1.57%	0.364%
68	15.111	1465	1468	1470	rBV	864306	1602599	1.08%	0.250%
69	15.150	1470	1472	1476	rVV2	1551116	3592123	2.42%	0.561%
70	15.278	1483	1485	1488	rVB3	946489	1579613	1.06%	0.247%

LSC Area Percent Report

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
MIHPT-20(17-20)

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 >
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Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Title : SW846 8260

Sum of corrected areas: 640737750

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
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Acq On : 19 Dec 2018 21:00
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MSVOA_F
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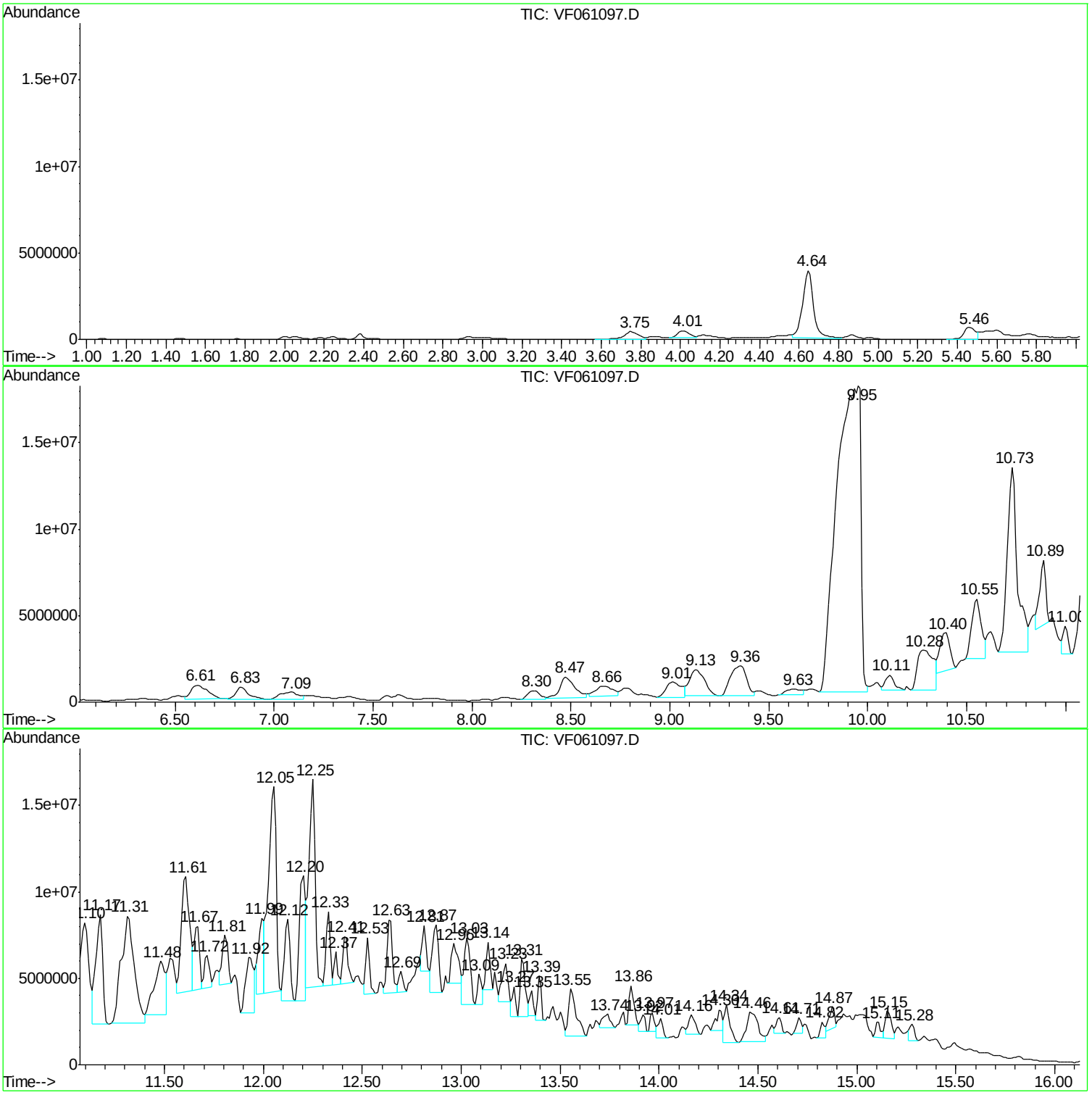
MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.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\VF121918\
Data File : VF061097.D
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Operator : VA/AP
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

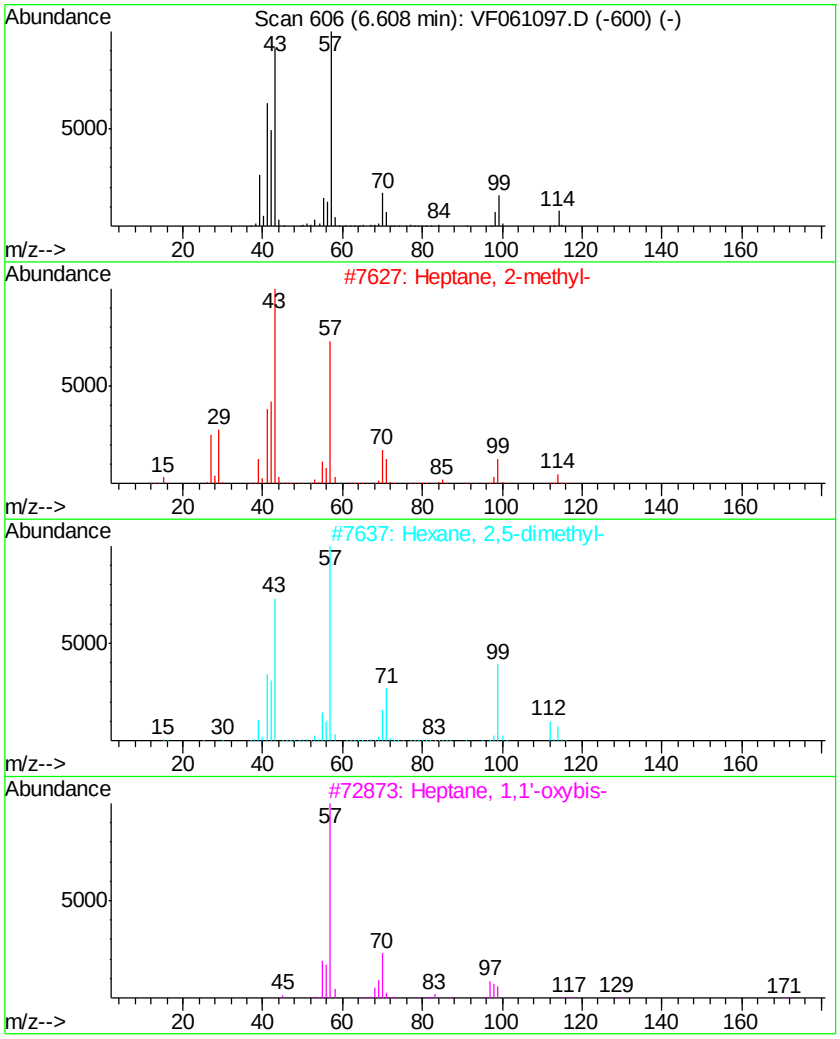
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

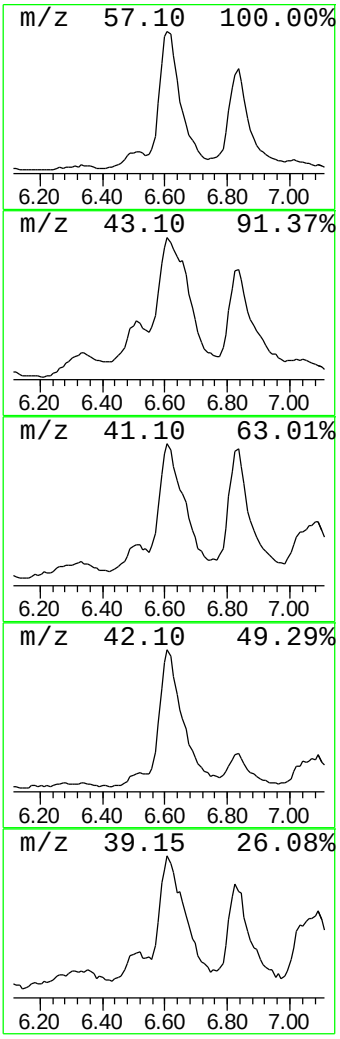
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	82.52 ug/l	4548630	1,4-Difluorobenzene	5.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	45
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	43
5	2-Piperidinone	99	C5H9NO	000675-20-7	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

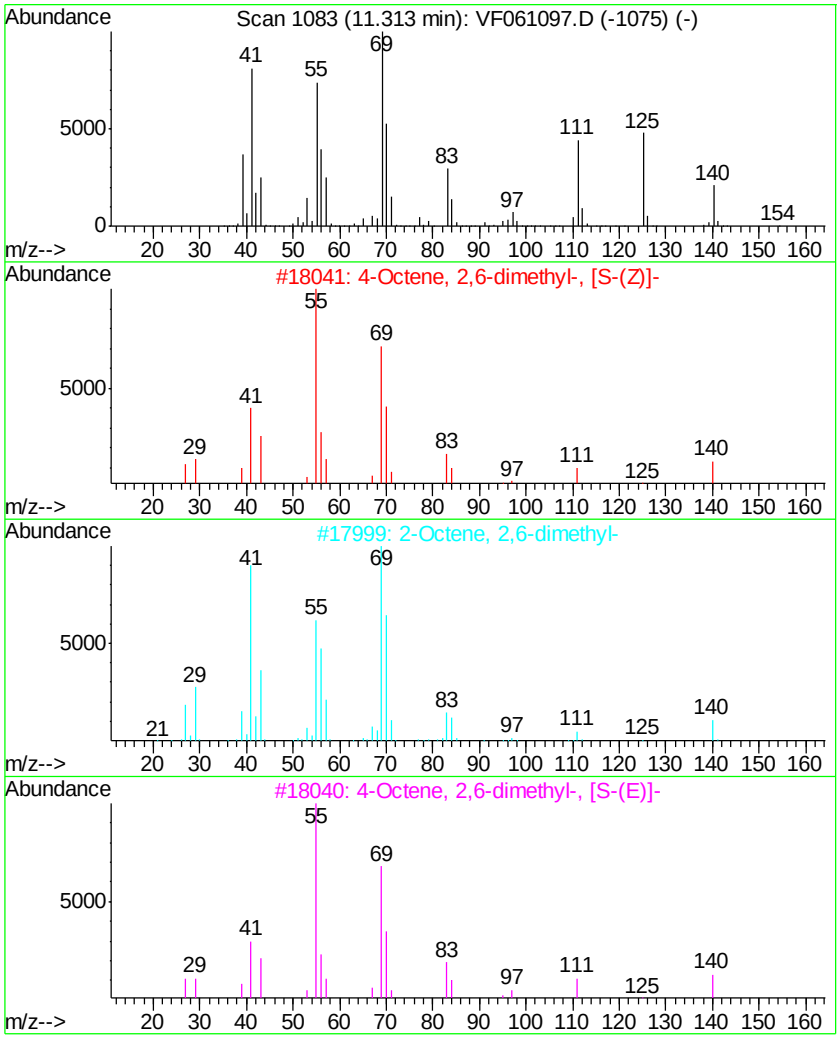
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

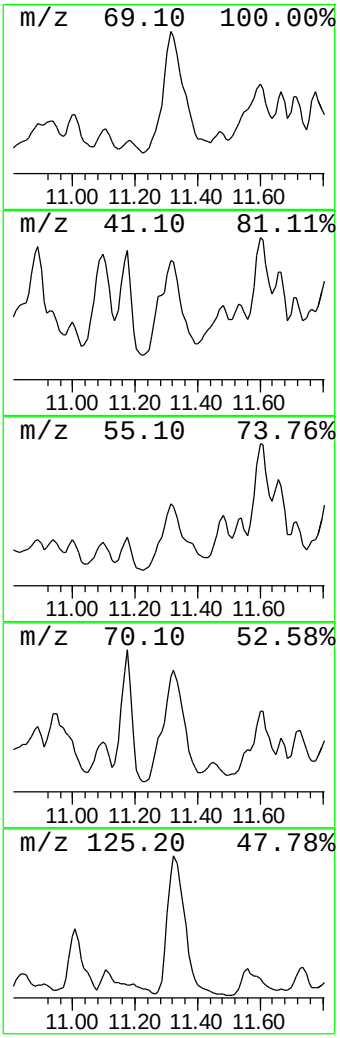
****

Peak Number 2 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	312.09 ug/l	28252100	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	62
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	52
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
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Operator : VA/AP
Sample : J6452-01
Misc : 8.61g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

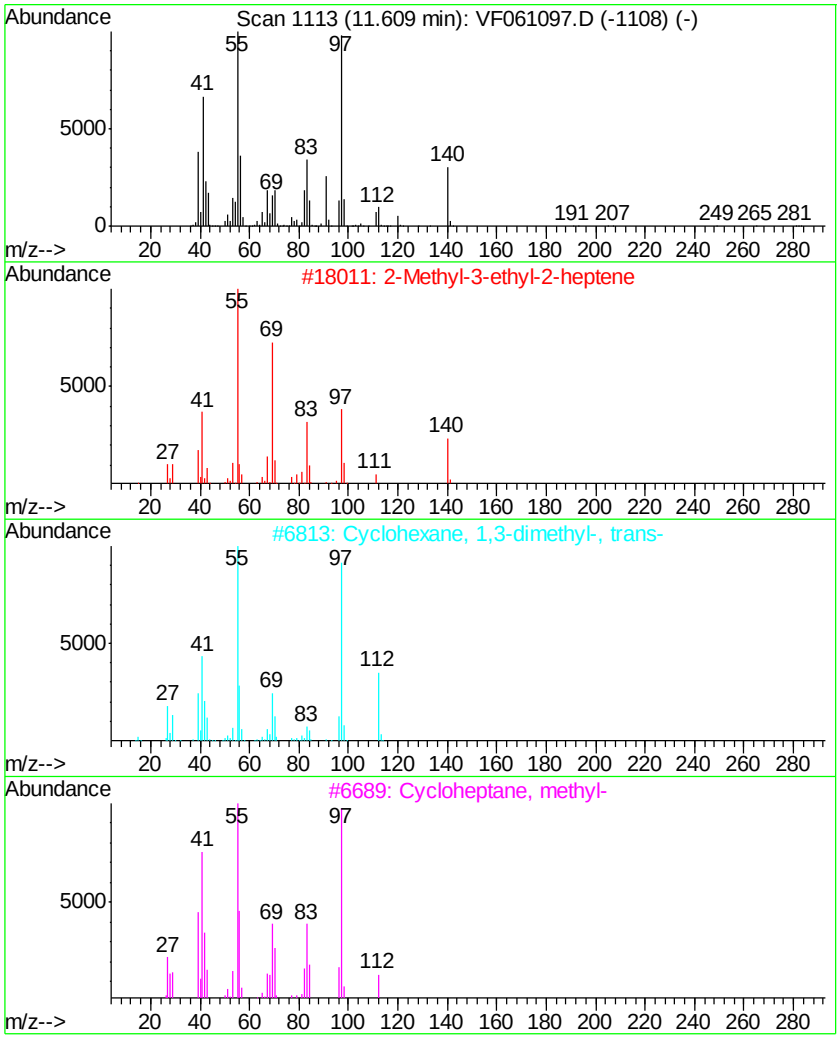
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

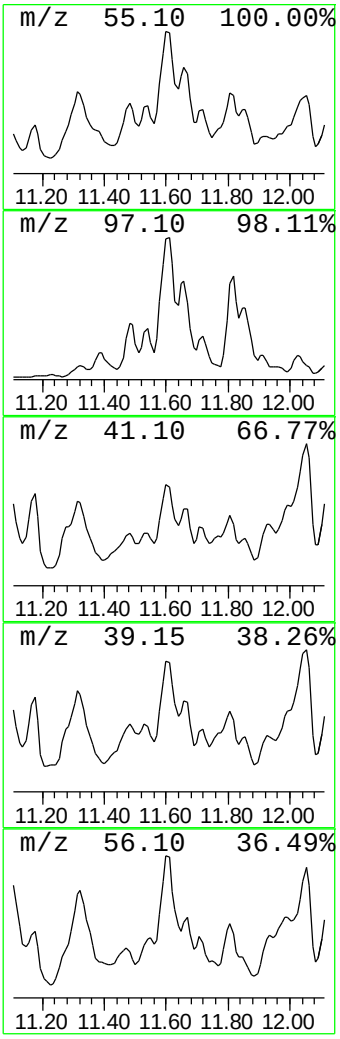
****

Peak Number 3 2-Methyl-3-ethyl-2-heptene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	213.75 ug/l	19350100	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	60
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	58
4	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	52
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	49





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ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

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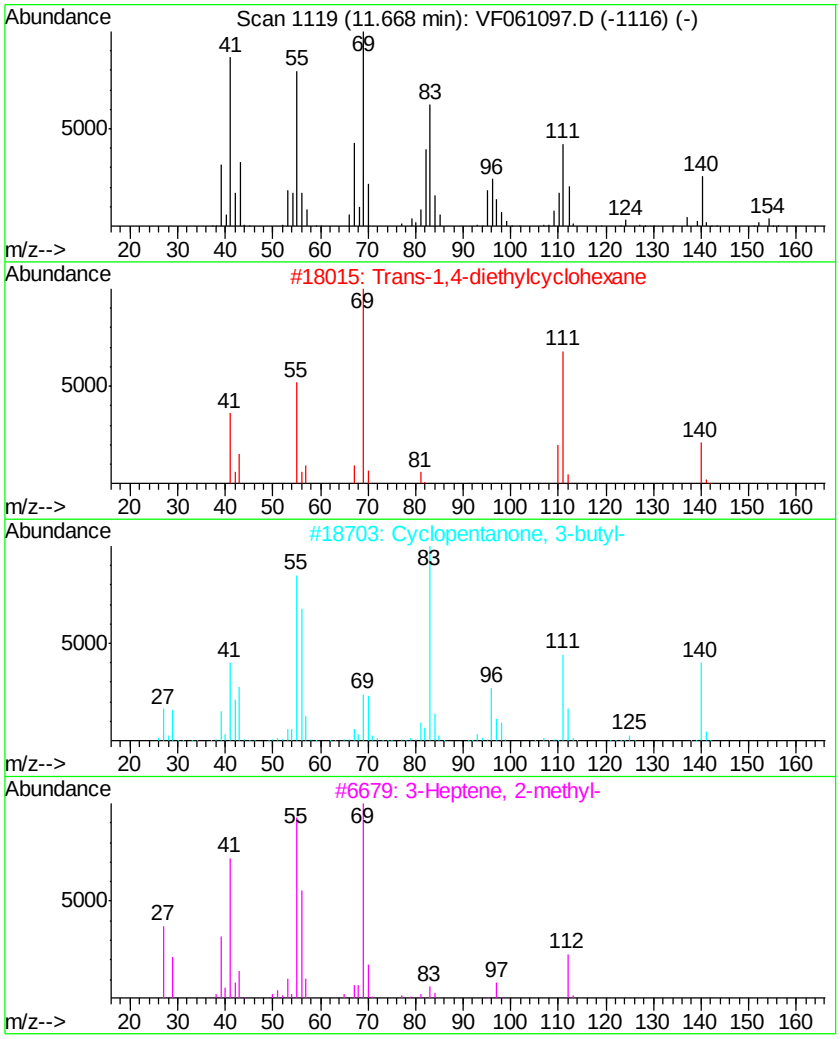
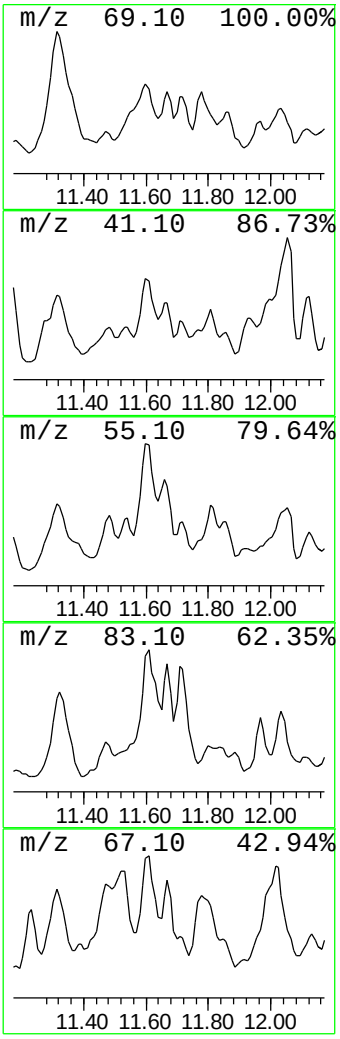
****

Peak Number 4 unknown11.67 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	81.13 ug/l	7344660	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
2	Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	38
3	3-Heptene, 2-methyl-	112	C8H16	017618-76-7	25
4	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	22
5	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	22





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ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

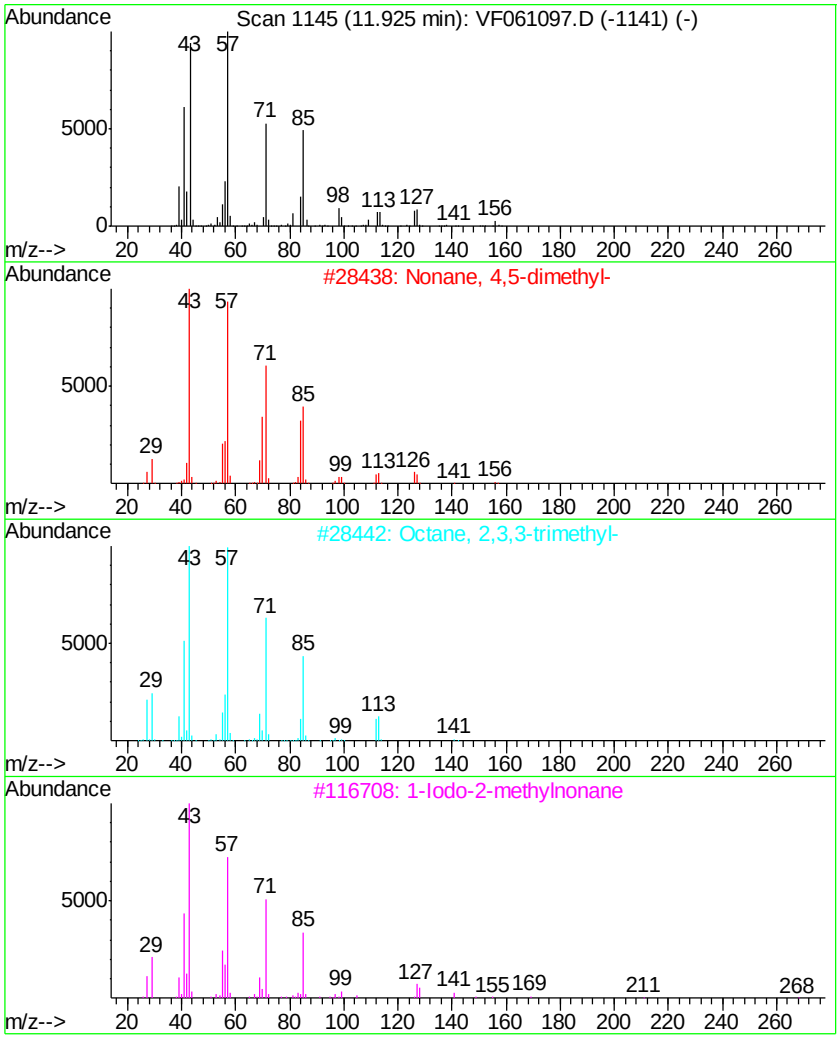
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

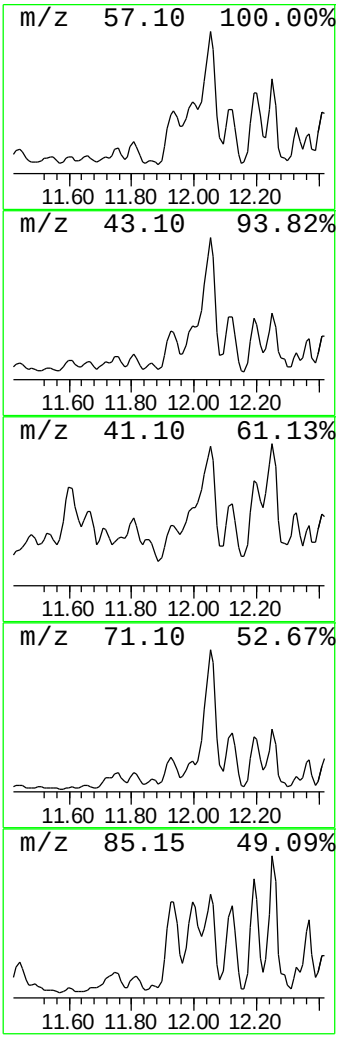
****

Peak Number 5 Nonane, 4,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	101.99 ug/l	9232340	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	87
2	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	72
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
4	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64





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Sample : J6452-01
Misc : 8.61g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

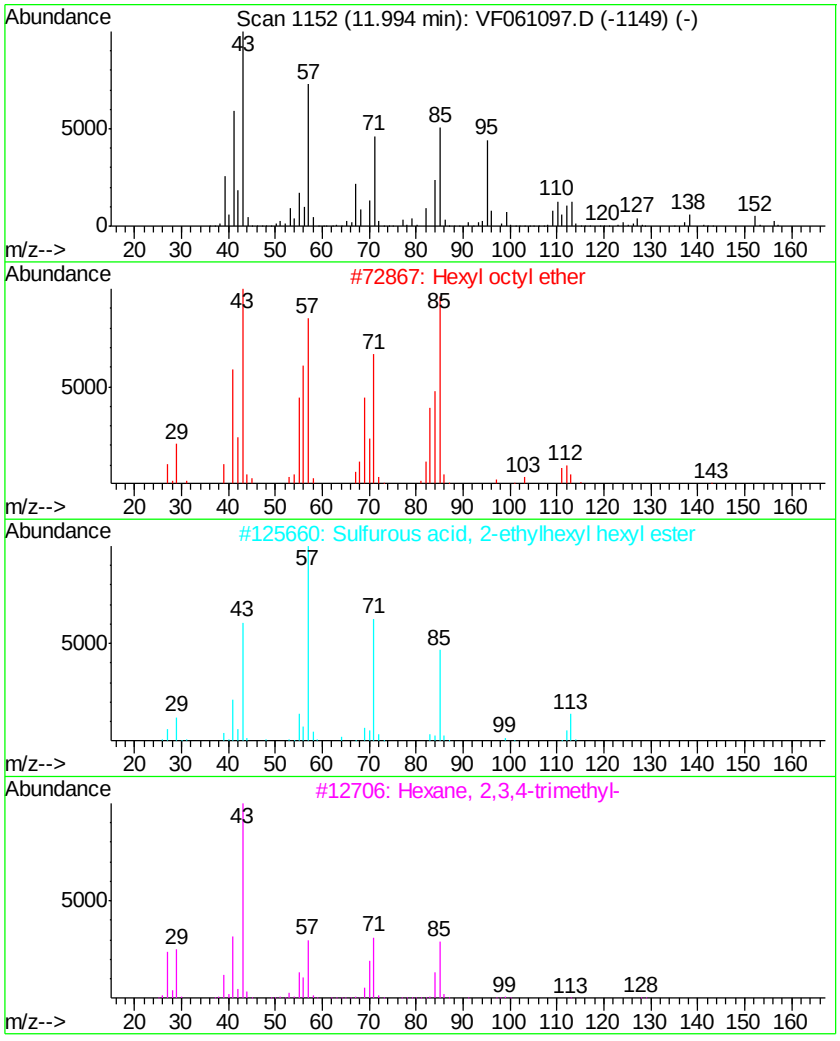
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

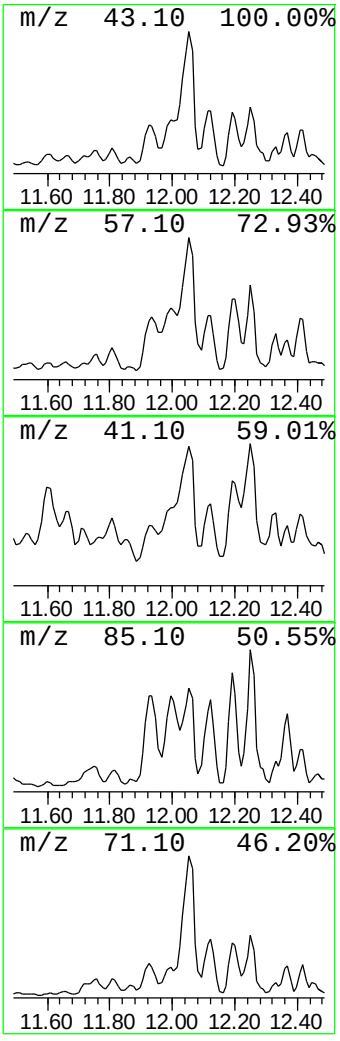
****

Peak Number 6 unknown11.99 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	95.94 ug/l	8684860	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl octyl ether	214	C14H30O	017071-54-4	46
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4	4-Methyl-5-nonanone	156	C10H20O	035900-26-6	30
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061097.D
Acq On : 19 Dec 2018 21:00
Operator : VA/AP
Sample : J6452-01
Misc : 8.61g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

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

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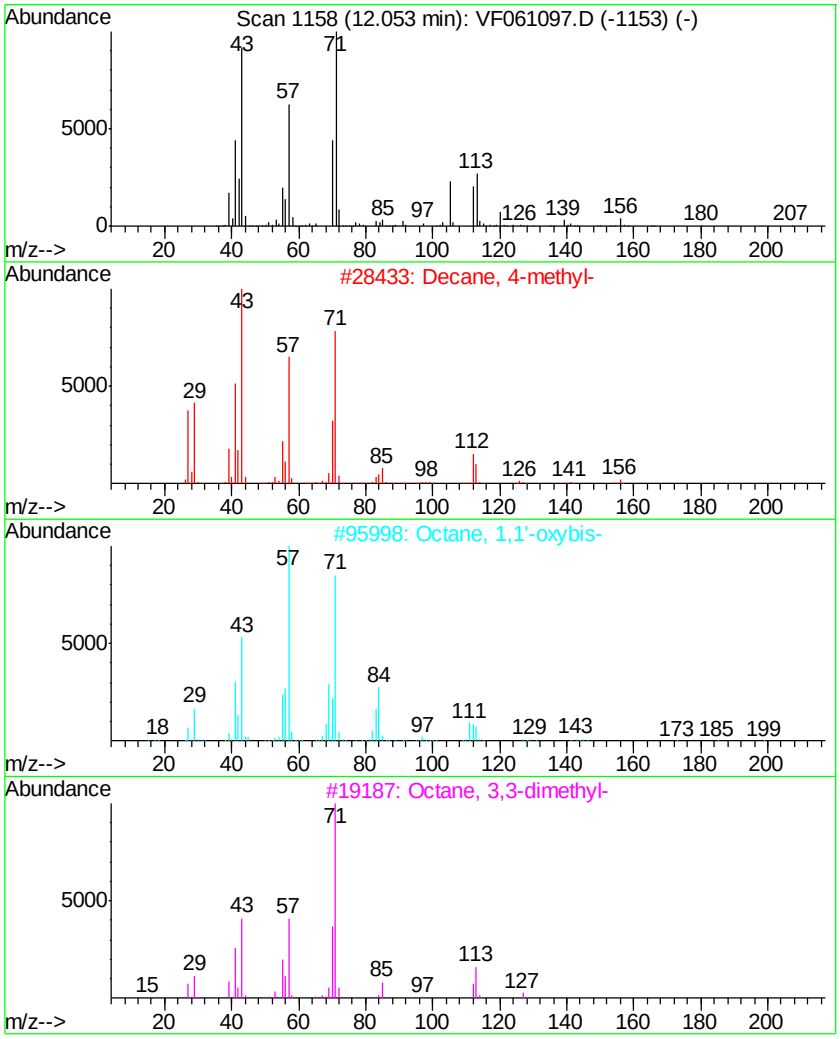
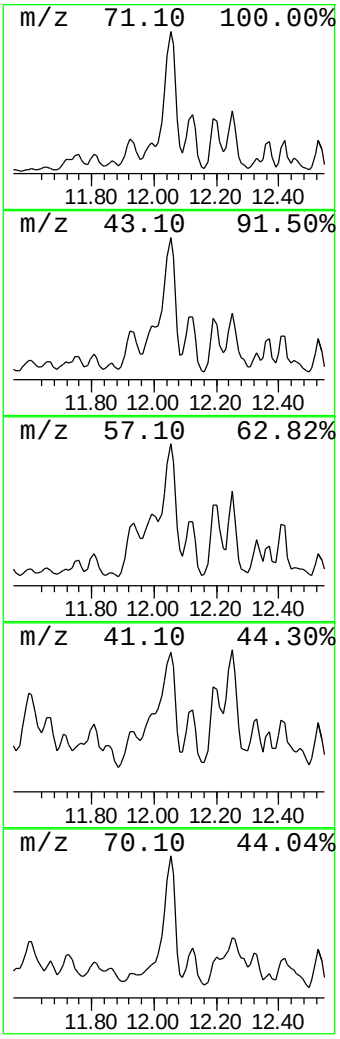
Peak Number 7 Decane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	357.56 ug/l	32368700	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	53
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	53





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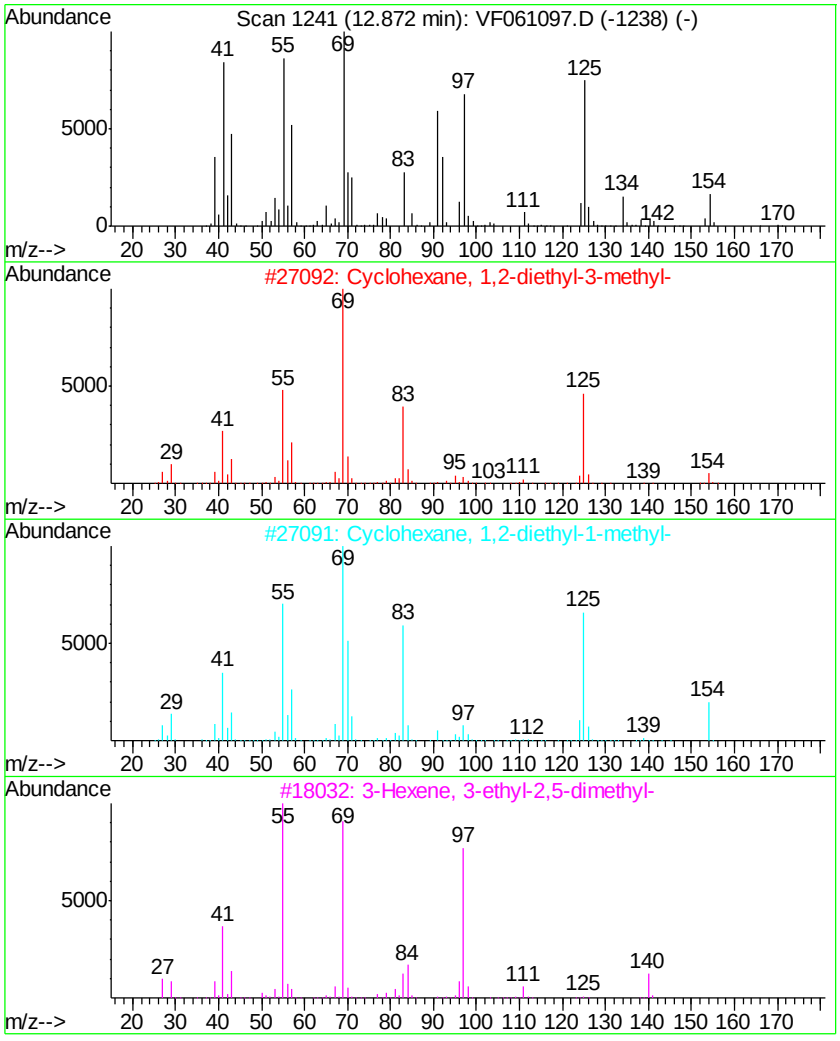
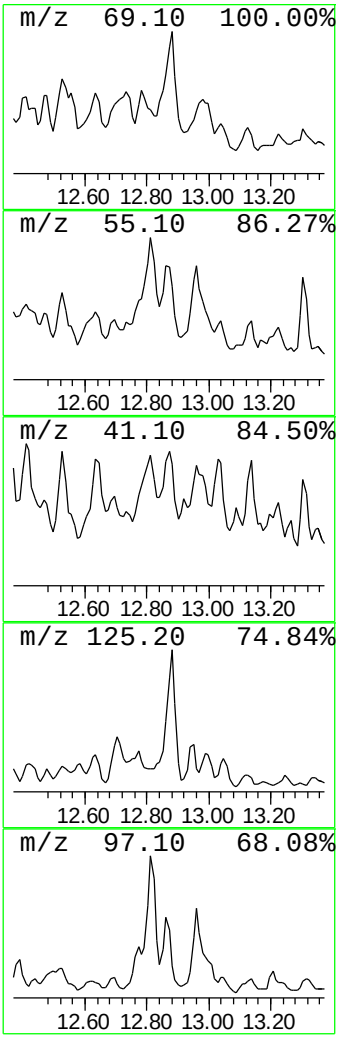
Peak Number 8 Cyclohexane, 1,2-diethyl-3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	89.56 ug/l	8107300	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	53
2	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	50
3	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	35
4	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	35
5	Silane, cyclopentenyltrimethyl-	140	C8H16Si	062987-36-4	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061097.D
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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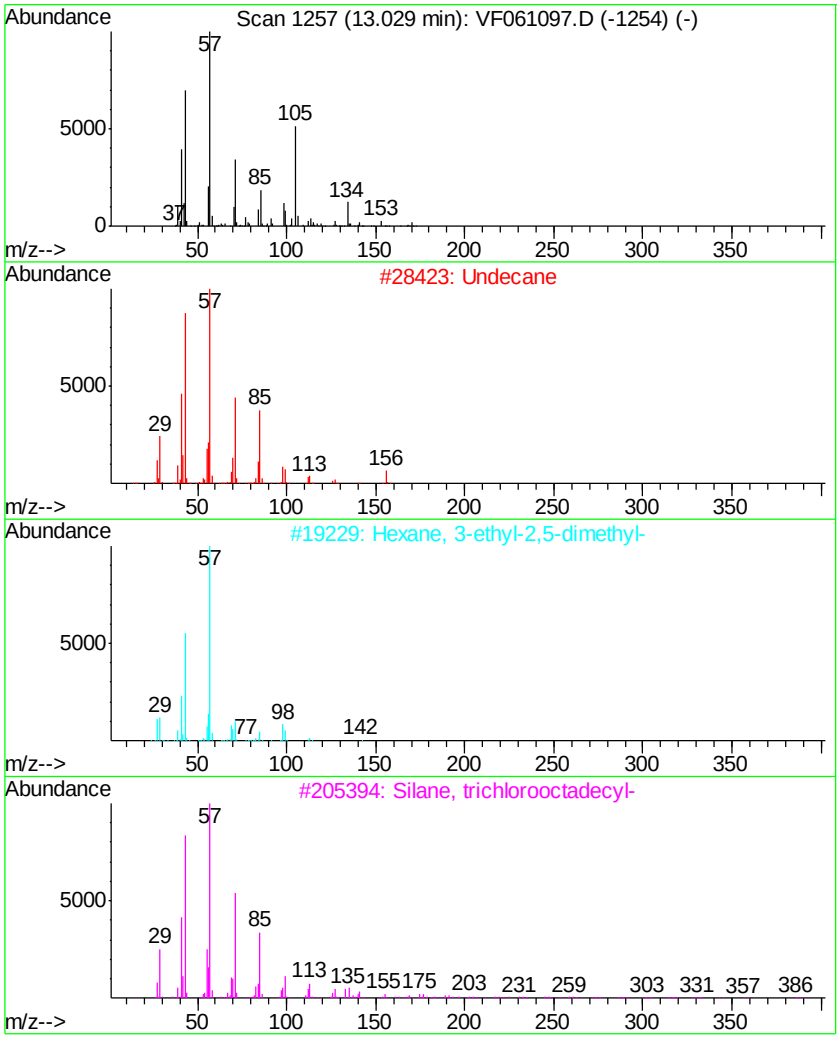
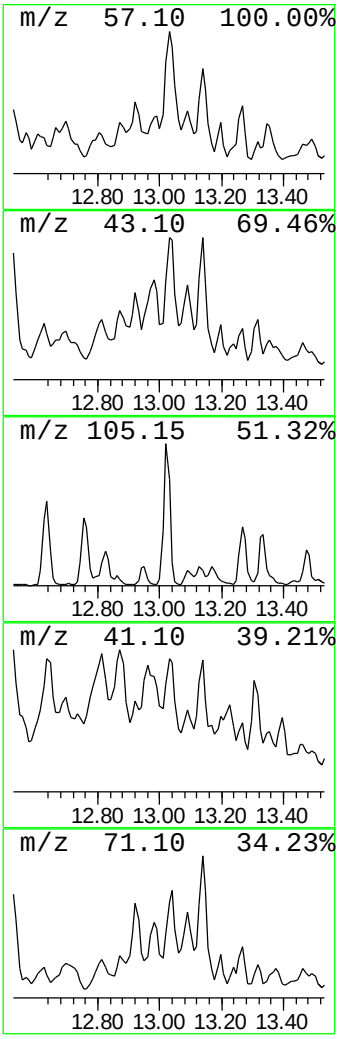
Peak Number 9 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	90.43 ug/l	8186340	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	52
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	49
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	47
4	Decane	142	C10H22	000124-18-5	47
5	Hexadecane	226	C16H34	000544-76-3	43





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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : MIHPT-20(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260

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

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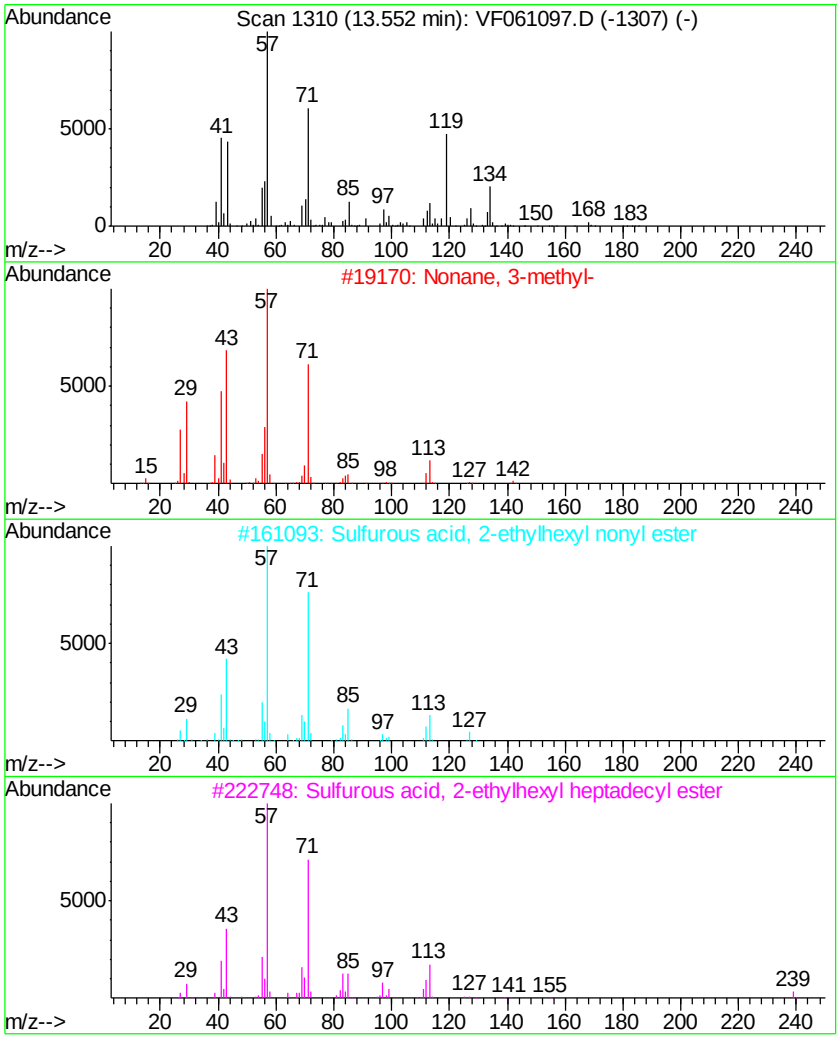
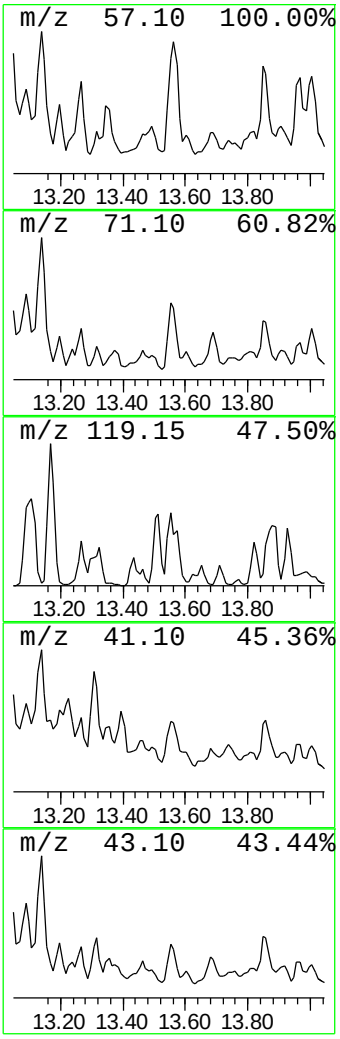
Peak Number 10 unknown13.55 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	81.73 ug/l	7398370	1,4-Dichlorobenzene-d4	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	43
3	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	41
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	38
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	38





Tentatively Identified Compound (LSC) summary

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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
Heptane, 2-methyl-	6.61	82.5	ug/l	4548630	2	5.60	2756050	50.0
4-Octene, 2,6-dim...	11.31	312.1	ug/l	28252100	4	12.57	4526320	50.0
2-Methyl-3-ethyl-...	11.61	213.8	ug/l	19350100	4	12.57	4526320	50.0
unknown11.67	11.67	81.1	ug/l	7344660	4	12.57	4526320	50.0
Nonane, 4,5-dimet...	11.92	102.0	ug/l	9232340	4	12.57	4526320	50.0
unknown11.99	11.99	95.9	ug/l	8684860	4	12.57	4526320	50.0
Decane, 4-methyl-	12.05	357.6	ug/l	32368700	4	12.57	4526320	50.0
Cyclohexane, 1,2-...	12.87	89.6	ug/l	8107300	4	12.57	4526320	50.0
Undecane	13.03	90.4	ug/l	8186340	4	12.57	4526320	50.0
unknown13.55	13.55	81.7	ug/l	7398370	4	12.57	4526320	50.0