LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

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\82F112618S.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	1.061	41	44	47	rBV2	8584	17601	2.90%	0.325%
2	1.318	67	70	73	rBV3	3215	6895	1.14%	0.127%
3	1.624	99	101	106	rVB5	2904	7949	1.31%	0.147%
4	2.176	154	157	159	rBV4	10046	20232	3.33%	0.373%
5	2.235	159	163	168	rVB3	13674	44354	7.30%	0.818%
6	4.110	345	353	364	rVB	67307	214934	35.38%	3.966%
7	4.859	420	429	439	rBV2	175290	592817	97.59%	10.939%
8	5.589	496	503	512	rBV	189698	510387	84.02%	9.418%
9	7.552	696	702	707	rBV	207079	486532	80.09%	8.978%
10	7.621	707	709	714	rVB2	21232	44243	7.28%	0.816%
11	9.476	893	897	903	rBV4	6840	18044	2.97%	0.333%
12	9.772	921	927	935	rBV	271811	588846	96.94%	10.866%
13	9.900	937	940	945	rVB3	4963	11534	1.90%	0.213%
14	10.127	957	963	969	rVB2	8624	19628	3.23%	0.362%
15	10.709	1019	1022	1026	rVB2	7021	13943	2.30%	0.257%
16	11.113	1061	1063	1066	rBV3	3305	6315	1.04%	0.117%
17	11.409	1086	1093	1100	rBV	216802	378370	62.29%	6.982%
18	11.557	1105	1108	1110	rVV4	5180	12459	2.05%	0.230%
19	11.597	1110	1112	1114	rVV	7254	10344	1.70%	0.191%
20	11.656	1114	1118	1120	rVV	8734	14437	2.38%	0.266%
21	11.705	1120	1123	1128	rVV2	19064	39570	6.51%	0.730%
22	11.823	1131	1135	1138	rVB	11481	19277	3.17%	0.356%
23	12.011	1149	1154	1159	rVV4	9773	23946	3.94%	0.442%
24	12.198	1170	1173	1177	rVB	46748	71563	11.78%	1.321%
25	12.297	1180	1183	1188	rVB2	4296	7414	1.22%	0.137%
26	12.386	1188	1192	1193	rBV3	4383	6973	1.15%	0.129%
27	12.465	1197	1200	1205	rVB4	8022	15535	2.56%	0.287%
28	12.543	1205	1208	1212	rBV	374040	607447	100.00%	11.209%
29	12.603	1212	1214	1219	rVB	28873	45490	7.49%	0.839%
30	12.721	1223	1226	1228	rBV2	19543	38968	6.42%	0.719%
31	12.770	1228	1231	1233	rVV	15033	26152	4.31%	0.483%
32	12.810	1233	1235	1242	rVB3	31542	78092	12.86%	1.441%
33	12.928	1244	1247	1252	rBV6	5697	17572	2.89%	0.324%
34	13.007	1252	1255	1258	rVB3	13276	20844	3.43%	0.385%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

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\82F112618S.M
Title : SW846 8260

35	13.086	1258	1263	1267	rBV	18975	52821	8.70%	0.975%
36	13.145	1267	1269	1275	rBV2	20318	45517	7.49%	0.840%
37	13.224	1275	1277	1278	rVV	15214	17758	2.92%	0.328%
38	13.283	1281	1283	1286	rBV3	6695	10909	1.80%	0.201%
39	13.421	1294	1297	1302	rVB3	11299	18067	2.97%	0.333%
40	13.490	1302	1304	1306	rBV2	17004	21918	3.61%	0.404%
41	13.540	1306	1309	1311	rBV	22856	34938	5.75%	0.645%
42	13.579	1311	1313	1315	rVB2	9258	9158	1.51%	0.169%
43	13.707	1322	1326	1329	rBV2	75211	113562	18.69%	2.095%
44	13.767	1329	1332	1334	rVB4	11913	21344	3.51%	0.394%
45	13.806	1334	1336	1338	rBV2	11216	17767	2.92%	0.328%
46	13.846	1338	1340	1345	rVV2	68462	124524	20.50%	2.298%
47	13.915	1345	1347	1349	rVB3	16818	23328	3.84%	0.430%
48	13.964	1349	1352	1356	rBV	47122	70841	11.66%	1.307%
49	14.043	1358	1360	1361	rBV	8613	10706	1.76%	0.198%
50	14.072	1361	1363	1366	rVB2	18230	29329	4.83%	0.541%
51	14.151	1366	1371	1373	rBV6	27872	66463	10.94%	1.226%
52	14.211	1373	1377	1381	rVB2	22786	48068	7.91%	0.887%
53	14.299	1384	1386	1388	rVB2	7695	7969	1.31%	0.147%
54	14.358	1388	1392	1393	rBV4	5265	7958	1.31%	0.147%
55	14.408	1393	1397	1399	rBV2	21072	39088	6.43%	0.721%
56	14.457	1399	1402	1405	rBV2	44192	60361	9.94%	1.114%
57	14.556	1410	1412	1413	rVV2	10943	14651	2.41%	0.270%
58	14.595	1413	1416	1420	rVV2	22930	46978	7.73%	0.867%
59	14.645	1420	1421	1425	rVV3	4877	10394	1.71%	0.192%
60	14.733	1427	1430	1434	rVV	71773	107069	17.63%	1.976%
61	14.822	1437	1439	1440	rVV	8755	11225	1.85%	0.207%
62	14.881	1440	1445	1449	rVV4	16829	51048	8.40%	0.942%
63	14.940	1449	1451	1454	rVB4	5343	9128	1.50%	0.168%
64	14.990	1454	1456	1462	rBV3	33862	61458	10.12%	1.134%
65	15.108	1465	1468	1471	rVV2	32774	57476	9.46%	1.061%
66	15.167	1471	1474	1477	rVB5	11235	22130	3.64%	0.408%
67	15.276	1482	1485	1488	rVV2	21712	36938	6.08%	0.682%
68	15.345	1488	1492	1494	rVV4	13542	30415	5.01%	0.561%
69	15.404	1495	1498	1502	rVB	12312	20216	3.33%	0.373%
70	15.631	1518	1521	1526	rVV3	13785	29791	4.90%	0.550%
71	15.818	1533	1540	1543	rBV6	5176	12062	1.99%	0.223%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

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\82F112618S.M
Title : SW846 8260

72	15.937	1549	1552	1554	rBV4	4419	7284	1.20%	0.134%

Sum of corrected areas: 5419364

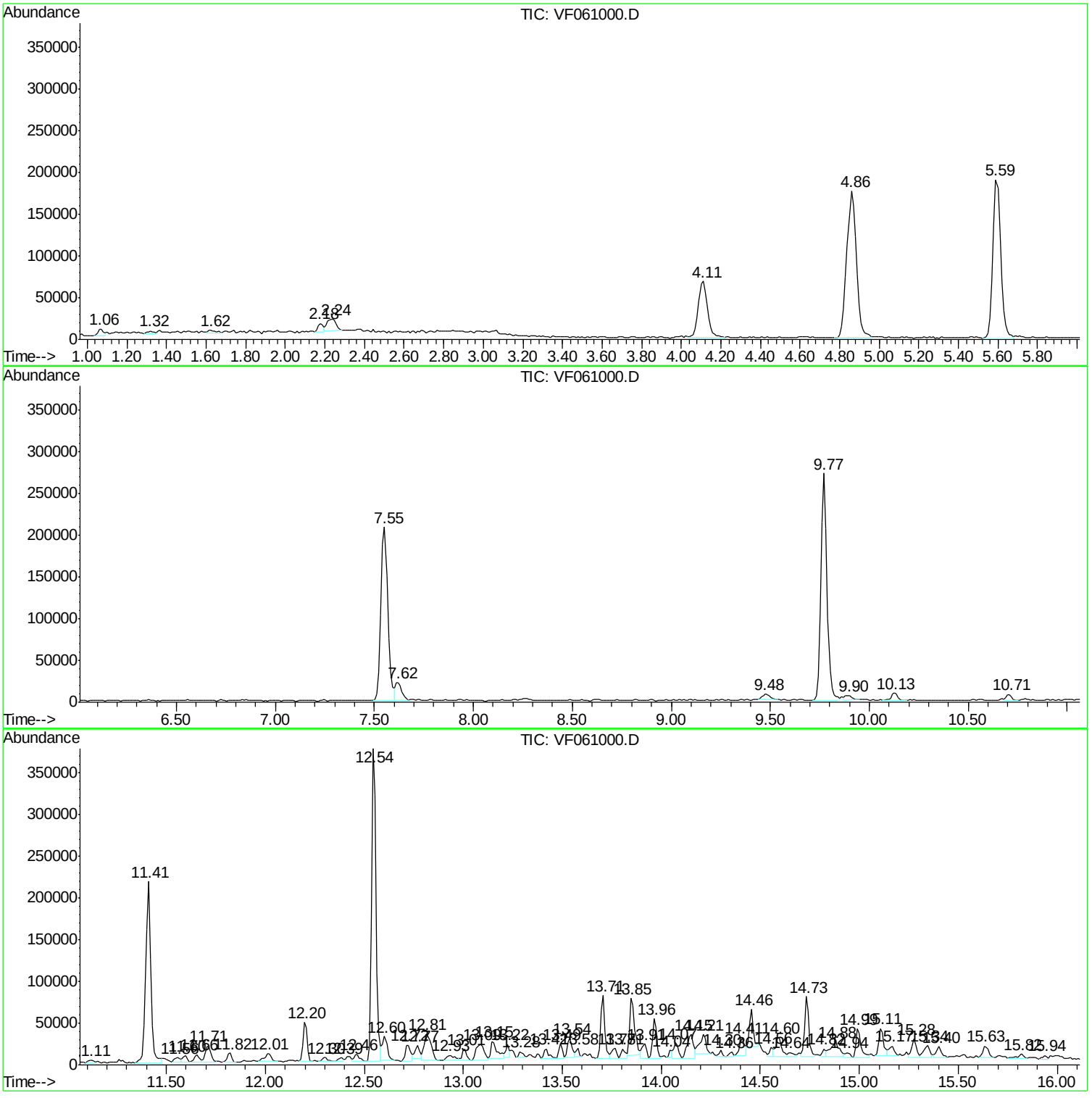
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

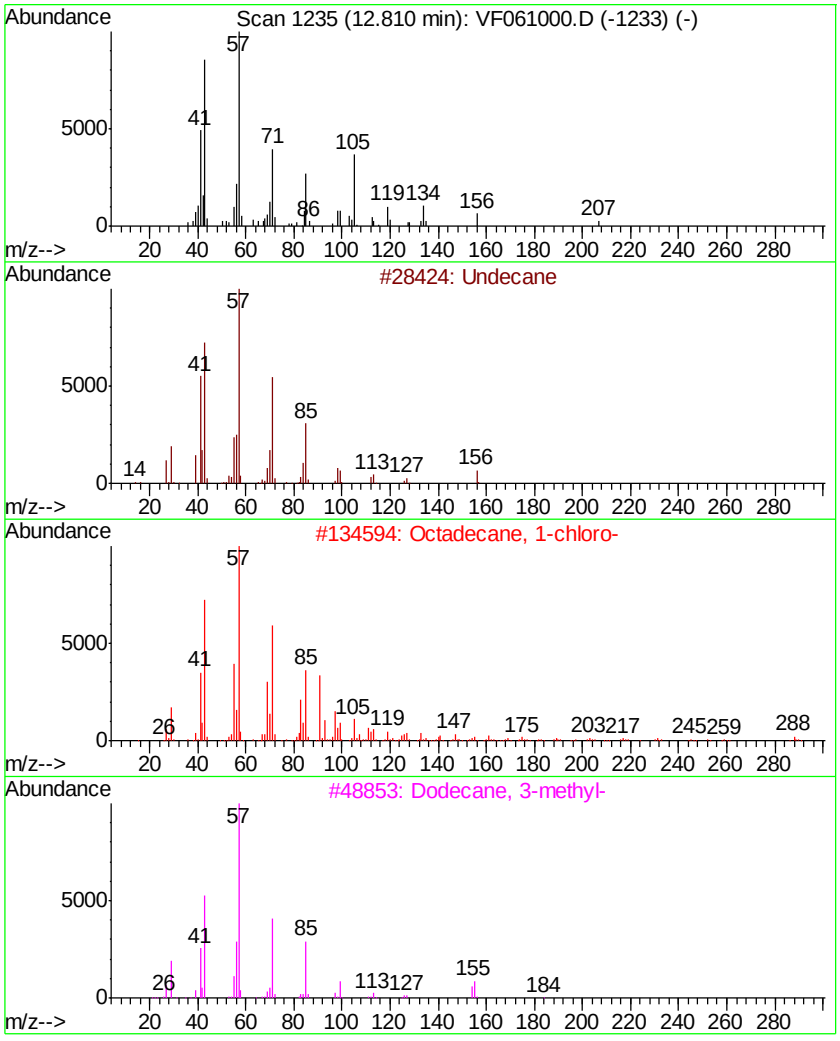
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

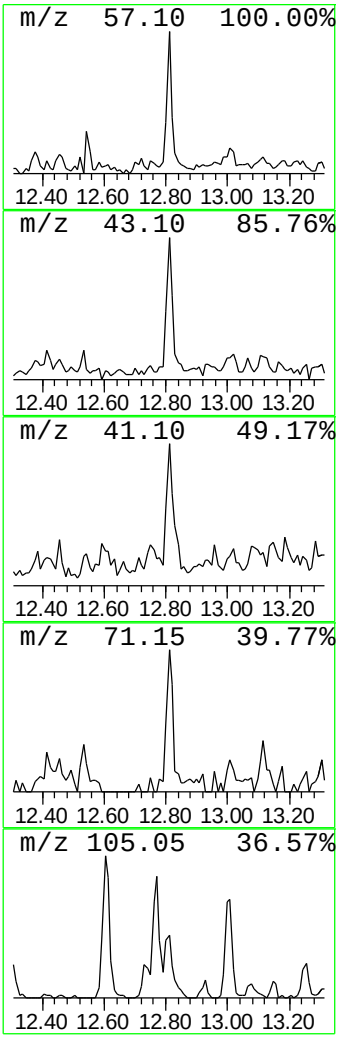
****

Peak Number 1 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	6.43 ug/l	78092	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	50
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
4	Tridecane	184	C13H28	000629-50-5	49
5	Hexadecane	226	C16H34	000544-76-3	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

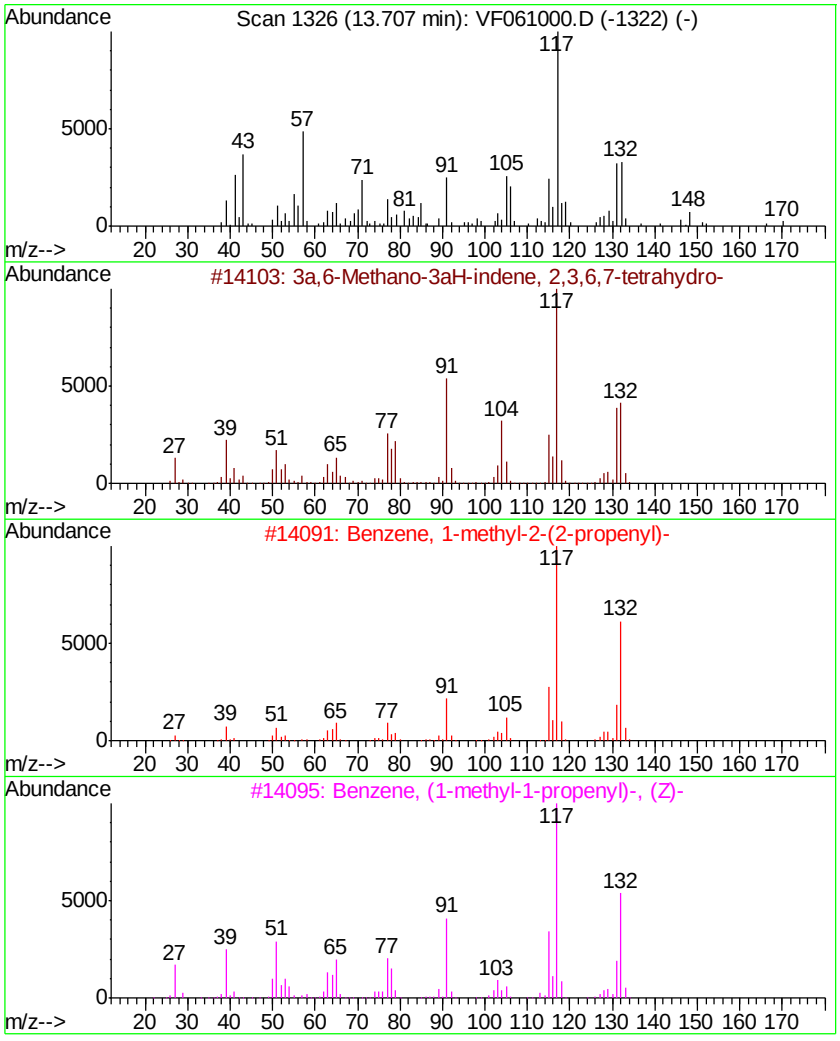
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

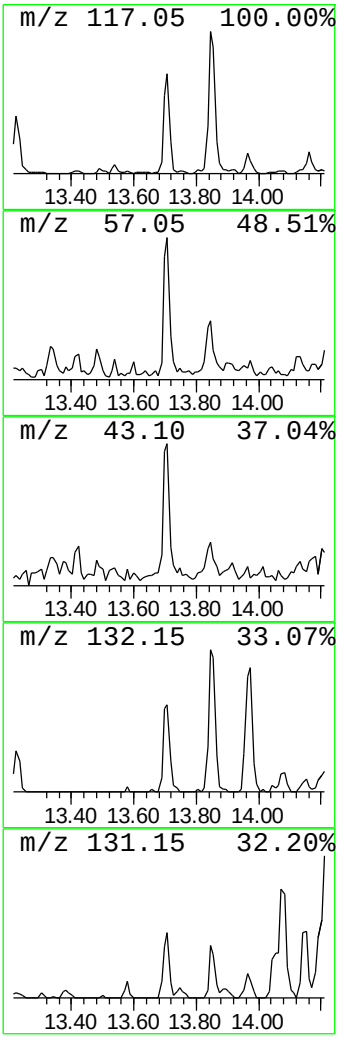
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 3a,6-Methano-3aH-indene, 2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	9.35 ug/l	113562	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	76
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

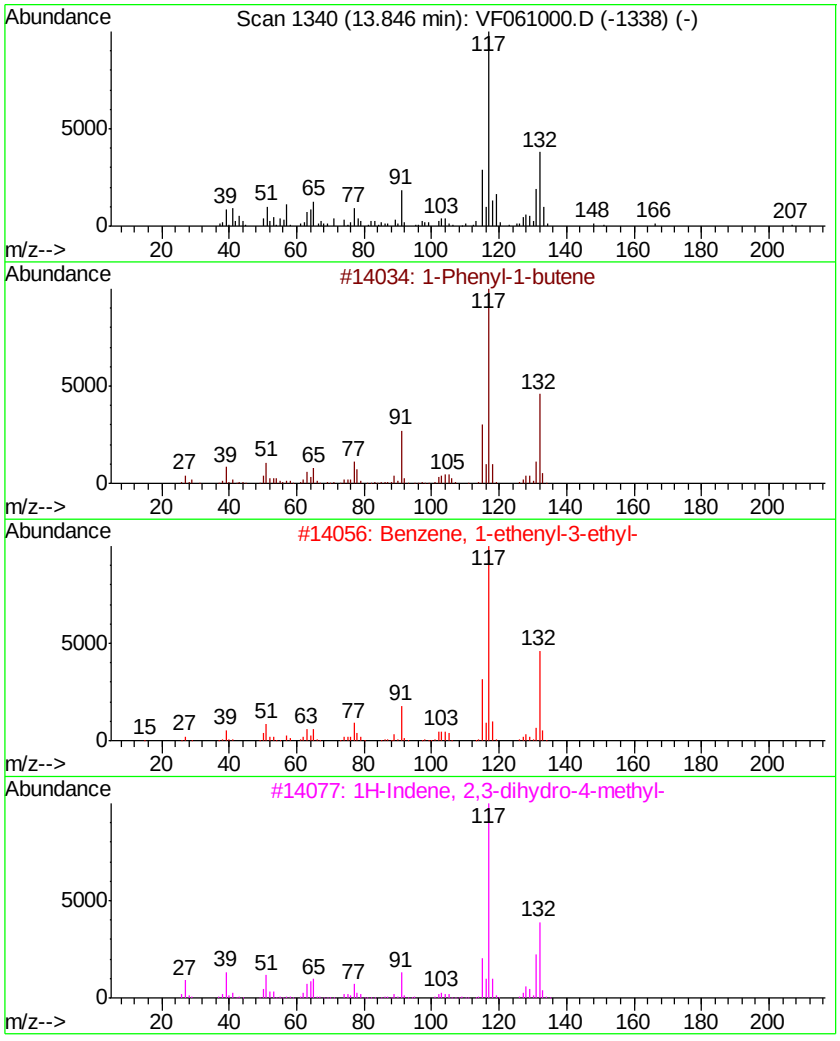
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

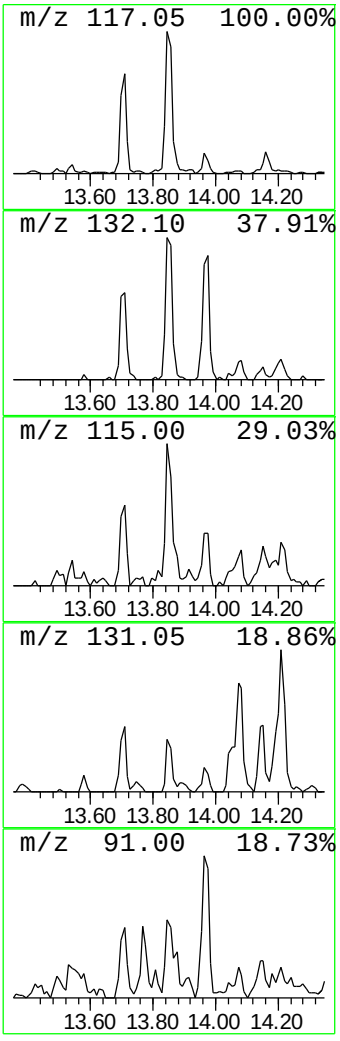
****

Peak Number 3 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	10.25 ug/l	124524	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

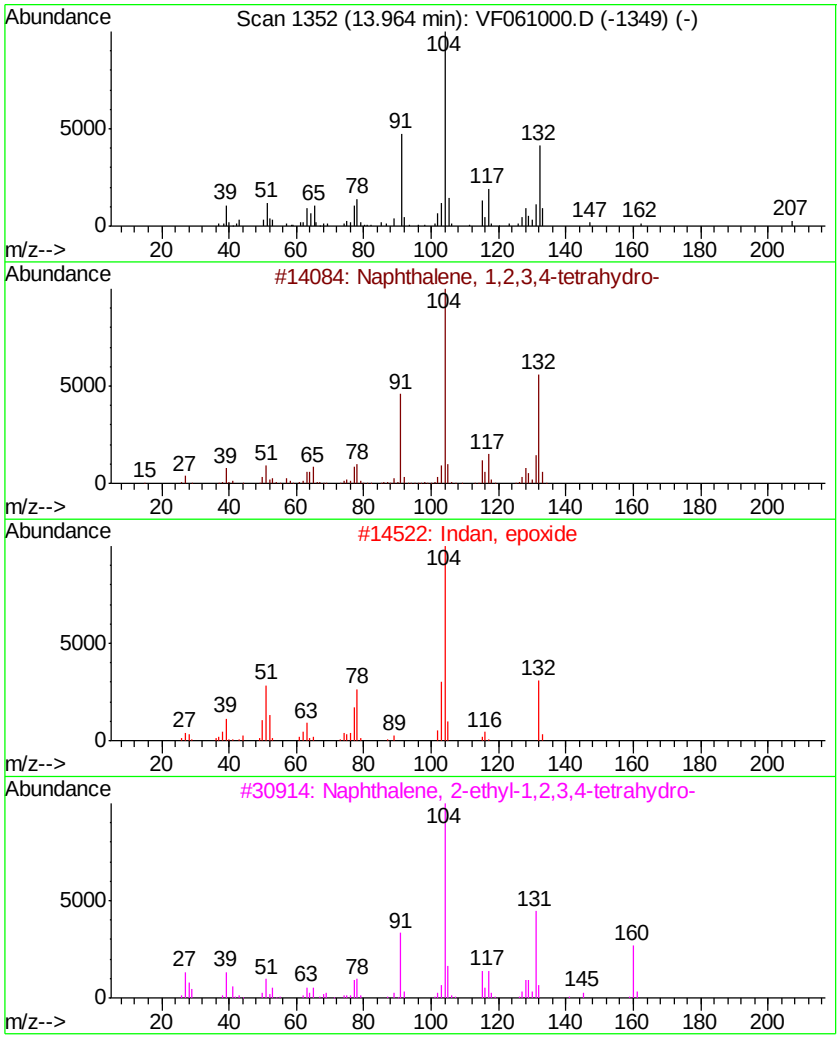
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

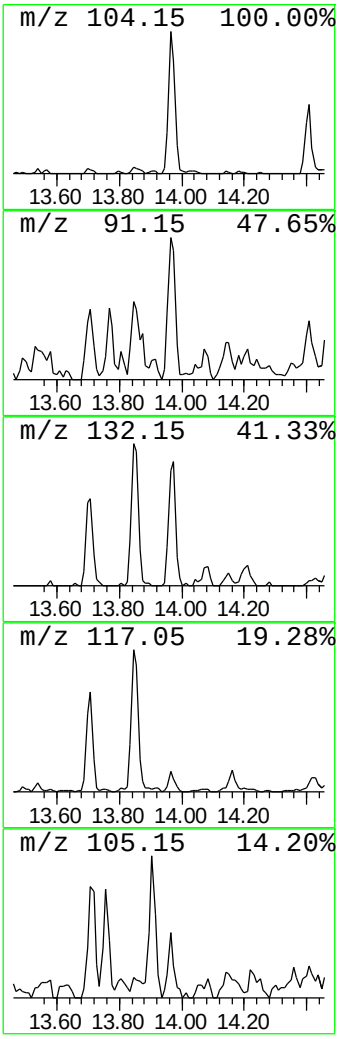
****

Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	5.83 ug/l	70841	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Indan, epoxide	132	C9H8O	000768-22-9	60
3	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	47
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	47
5	Isoxazole, 3-ethyl-4,5-dihydro-5...	175	C11H13NO	1000362-14-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

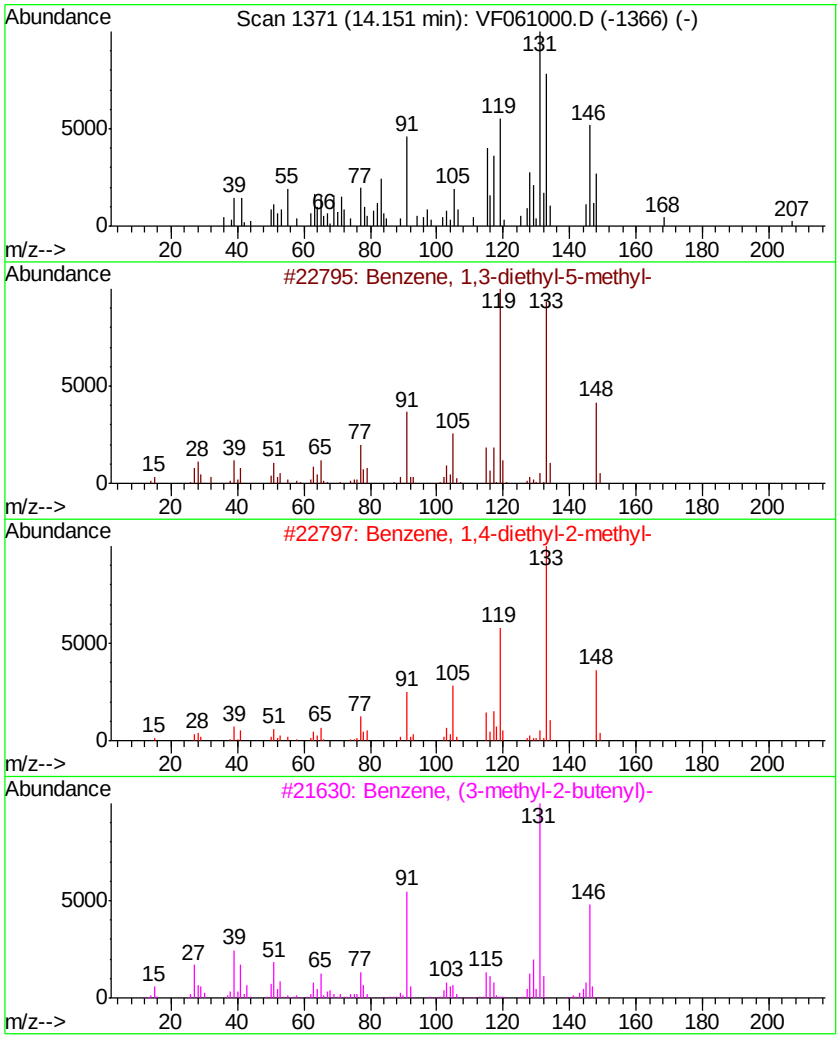
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

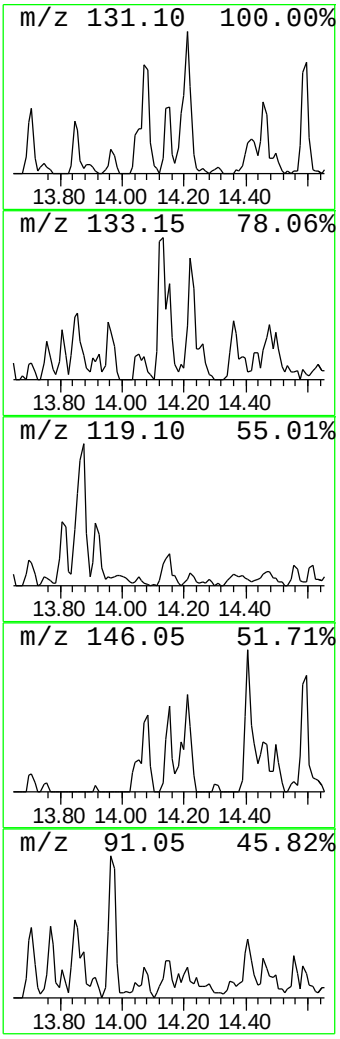
****

Peak Number 5 unknown14.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	5.47 ug/l	66463	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	38
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	38
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

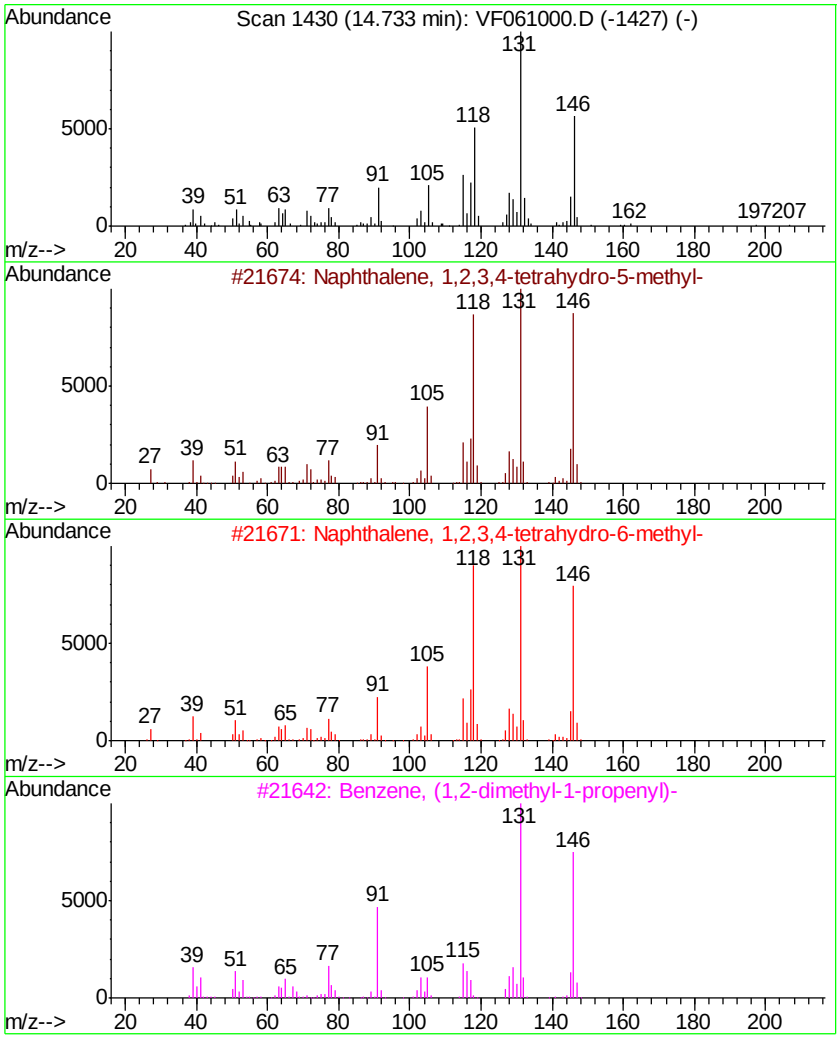
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

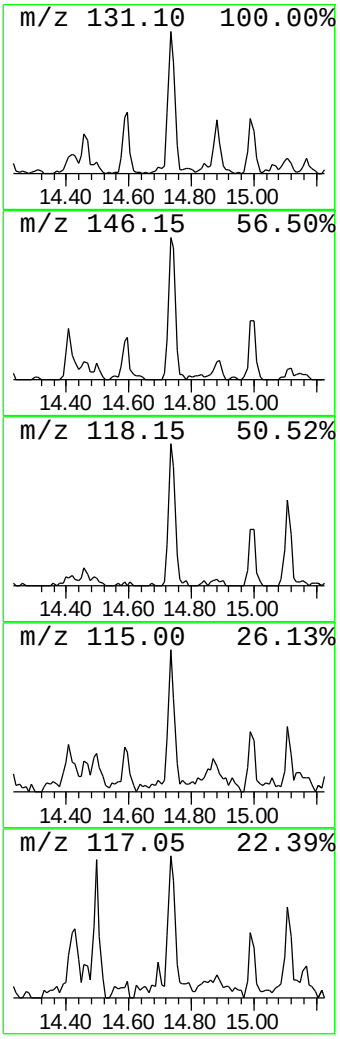
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	8.81 ug/l	107069	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

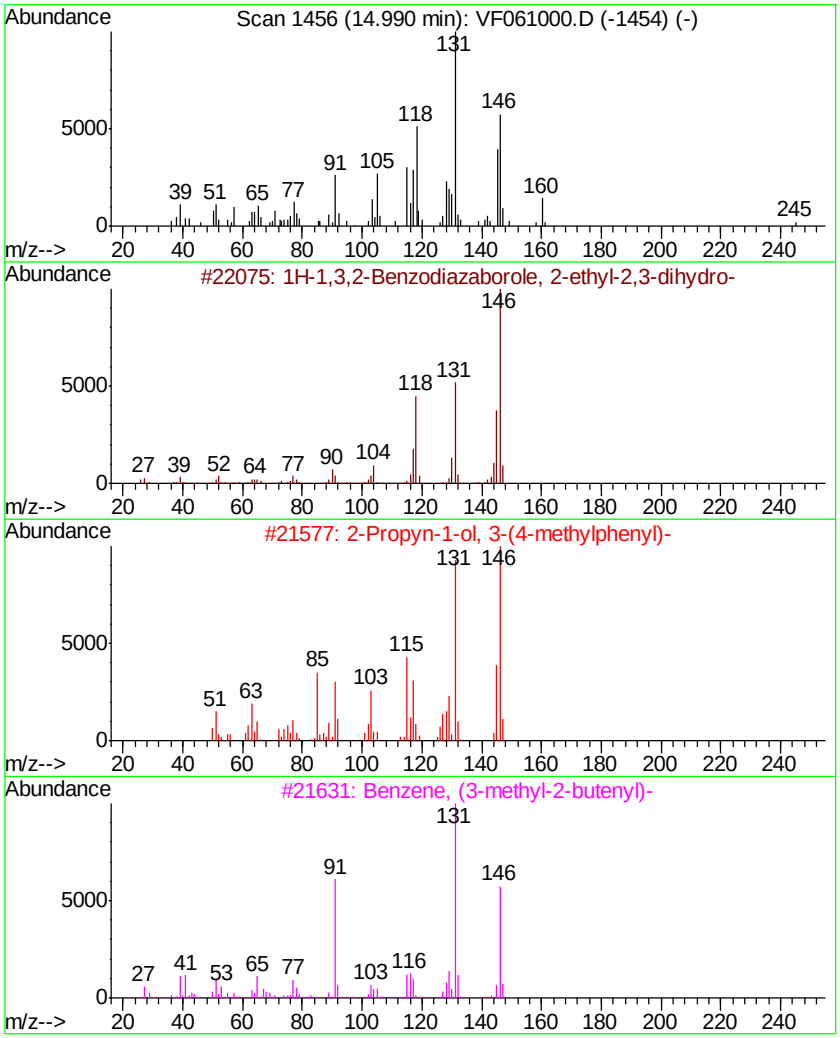
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

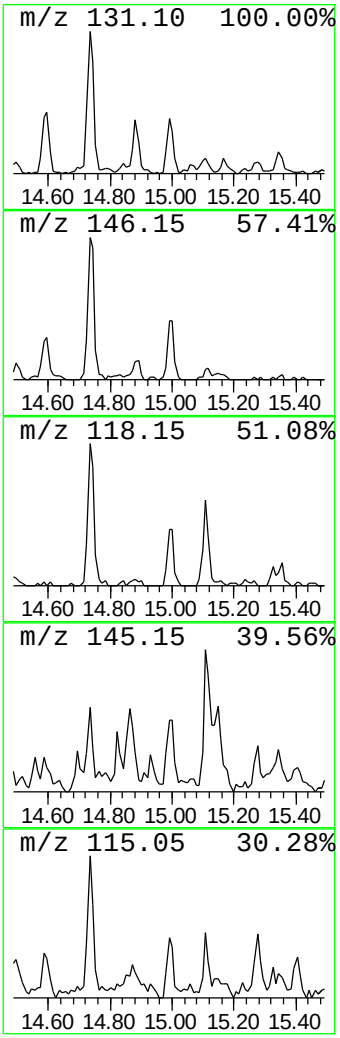
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-1,3,2-Benzodiazaborole, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	5.06 ug/l	61458	1,4-Dichlorobenzene-d4	12.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	60
2	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	55
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
4	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	52
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121218\
Data File : VF061000.D
Acq On : 12 Dec 2018 17:18
Operator : VA/AP
Sample : J6189-01
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : HR-05-121118-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.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
Undecane	12.81	6.4	ug/l	78092	4	12.54	607447	50.0
3a,6-Methano-3aH-...	13.71	9.3	ug/l	113562	4	12.54	607447	50.0
1-Phenyl-1-butene	13.85	10.3	ug/l	124524	4	12.54	607447	50.0
Naphthalene, 1,2,...	13.96	5.8	ug/l	70841	4	12.54	607447	50.0
unknown14.15	14.15	5.5	ug/l	66463	4	12.54	607447	50.0
Naphthalene, 1,2,...	14.73	8.8	ug/l	107069	4	12.54	607447	50.0
1H-1,3,2-Benzodia...	14.99	5.1	ug/l	61458	4	12.54	607447	50.0