LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062935.D
Acq On : 12 Jun 2019 18:44
Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

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\82F053019S.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	1.021	46	49	57	rVB	63663	169526	12.50%	1.737%
2	1.366	82	84	86	rBV3	13529	23912	1.76%	0.245%
3	1.543	100	102	105	rBV4	7738	14948	1.10%	0.153%
4	2.125	158	161	164	rBV5	7137	20230	1.49%	0.207%
5	2.292	174	178	179	rBV4	14716	25836	1.91%	0.265%
6	2.637	210	213	214	rVB3	11768	17192	1.27%	0.176%
7	2.815	229	231	233	rVB	15122	15092	1.11%	0.155%
8	3.130	261	263	267	rVB2	20321	32492	2.40%	0.333%
9	3.396	286	290	294	rVB6	11394	24657	1.82%	0.253%
10	4.027	352	354	358	rVB4	9265	20223	1.49%	0.207%
11	4.204	366	372	377	rBV2	26707	86894	6.41%	0.890%
12	5.052	448	458	468	rBV2	425388	1355954	100.00%	13.895%
13	5.407	492	494	498	rBV4	10829	20050	1.48%	0.205%
14	5.772	524	531	542	rBV	481446	1275408	94.06%	13.070%
15	6.087	560	563	566	rVB5	5062	13566	1.00%	0.139%
16	6.363	589	591	592	rVB2	30575	30205	2.23%	0.310%
17	6.393	592	594	595	rBV2	13011	18020	1.33%	0.185%
18	6.432	596	598	600	rVB3	9342	15381	1.13%	0.158%
19	6.718	623	627	628	rBV4	5872	14809	1.09%	0.152%
20	7.221	674	678	680	rVB3	6702	16553	1.22%	0.170%
21	7.428	696	699	701	rBV2	11830	21730	1.60%	0.223%
22	7.704	722	727	733	rVV2	532143	1181657	87.15%	12.109%
23	7.773	733	734	743	rVV8	20916	50044	3.69%	0.513%
24	8.305	784	788	790	rVV4	13994	33593	2.48%	0.344%
25	9.537	910	913	916	rVV2	8341	18010	1.33%	0.185%
26	9.616	916	921	928	rVV3	35213	103861	7.66%	1.064%
27	9.902	945	950	956	rBV	534088	1181004	87.10%	12.102%
28	10.030	959	963	970	rVB3	18671	41935	3.09%	0.430%
29	10.257	982	986	991	rVB3	14850	34060	2.51%	0.349%
30	10.385	995	999	1001	rBV5	6886	16948	1.25%	0.174%
31	10.760	1034	1037	1039	rBV3	8634	17721	1.31%	0.182%
32	10.809	1039	1042	1047	rVB2	30619	61063	4.50%	0.626%
33	10.947	1051	1056	1061	rVB2	140674	262260	19.34%	2.687%
34	11.203	1081	1082	1086	rBV4	9081	15898	1.17%	0.163%

LSC Area Percent Report

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Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

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\82F053019S.M
Title : SW846 8260

35	11.302	1088	1092	1094	rBV5	11722	25964	1.91%	0.266%
36	11.361	1096	1098	1104	rVB5	13571	32240	2.38%	0.330%
37	11.489	1107	1111	1115	rBV	393481	647488	47.75%	6.635%
38	11.735	1132	1136	1139	rBV2	53167	101790	7.51%	1.043%
39	11.775	1139	1140	1144	rVB3	15145	26912	1.98%	0.276%
40	11.893	1147	1152	1154	rBV	27214	49304	3.64%	0.505%
41	12.090	1169	1172	1175	rVB2	15490	25864	1.91%	0.265%
42	12.268	1187	1190	1194	rVV	105497	162610	11.99%	1.666%
43	12.347	1194	1198	1201	rVV2	40477	83859	6.18%	0.859%
44	12.416	1201	1205	1209	rVV2	61363	124359	9.17%	1.274%
45	12.514	1213	1215	1218	rVV3	17748	34417	2.54%	0.353%
46	12.603	1221	1224	1228	rVV	631345	938895	69.24%	9.621%
47	12.662	1228	1230	1235	rVV	149850	217377	16.03%	2.228%
48	12.761	1237	1240	1242	rVV3	33314	57539	4.24%	0.590%
49	12.800	1242	1244	1246	rVV3	21658	35281	2.60%	0.362%
50	12.879	1249	1252	1256	rVV	57004	88824	6.55%	0.910%
51	12.977	1258	1262	1267	rBV2	49907	95441	7.04%	0.978%
52	13.037	1267	1268	1269	rVV	53658	35863	2.64%	0.368%
53	13.056	1269	1270	1273	rVV3	15102	19796	1.46%	0.203%
54	13.115	1273	1276	1281	rVB3	35097	88496	6.53%	0.907%
55	13.204	1281	1285	1288	rBV2	46780	79370	5.85%	0.813%
56	13.293	1292	1294	1295	rBV2	12917	15891	1.17%	0.163%
57	13.322	1295	1297	1298	rVV	14546	18171	1.34%	0.186%
58	13.460	1306	1311	1314	rVB6	11286	19276	1.42%	0.198%
59	13.539	1316	1319	1321	rBV2	63599	92892	6.85%	0.952%
60	13.579	1321	1323	1326	rVB	118926	148123	10.92%	1.518%
61	13.746	1336	1340	1343	rBV3	26920	47204	3.48%	0.484%
62	13.914	1352	1357	1361	rBV2	30872	64531	4.76%	0.661%
63	14.377	1400	1404	1408	rBV4	5425	15021	1.11%	0.154%
64	14.486	1412	1415	1420	rVV3	22089	47359	3.49%	0.485%
65	14.643	1427	1431	1434	rVB5	6667	17817	1.31%	0.183%
66	15.659	1530	1534	1538	rVB5	6415	18904	1.39%	0.194%
67	15.757	1542	1544	1548	rVV5	5533	15864	1.17%	0.163%
68	16.092	1576	1578	1579	rBV	9343	15070	1.11%	0.154%

Sum of corrected areas: 9758544

LSC Report - Integrated Chromatogram

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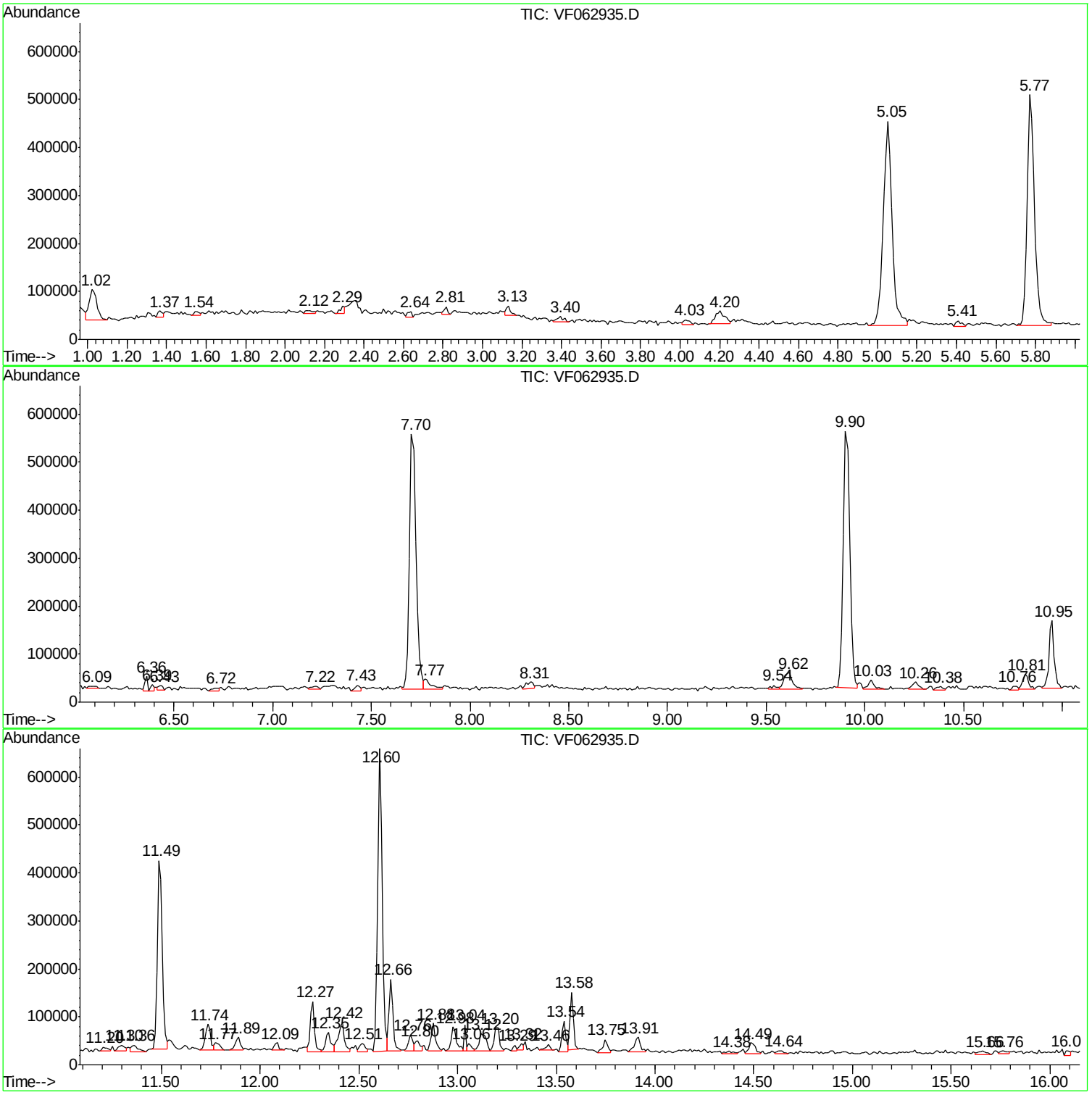
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.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\VF061219\
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Quant Title : SW846 8260

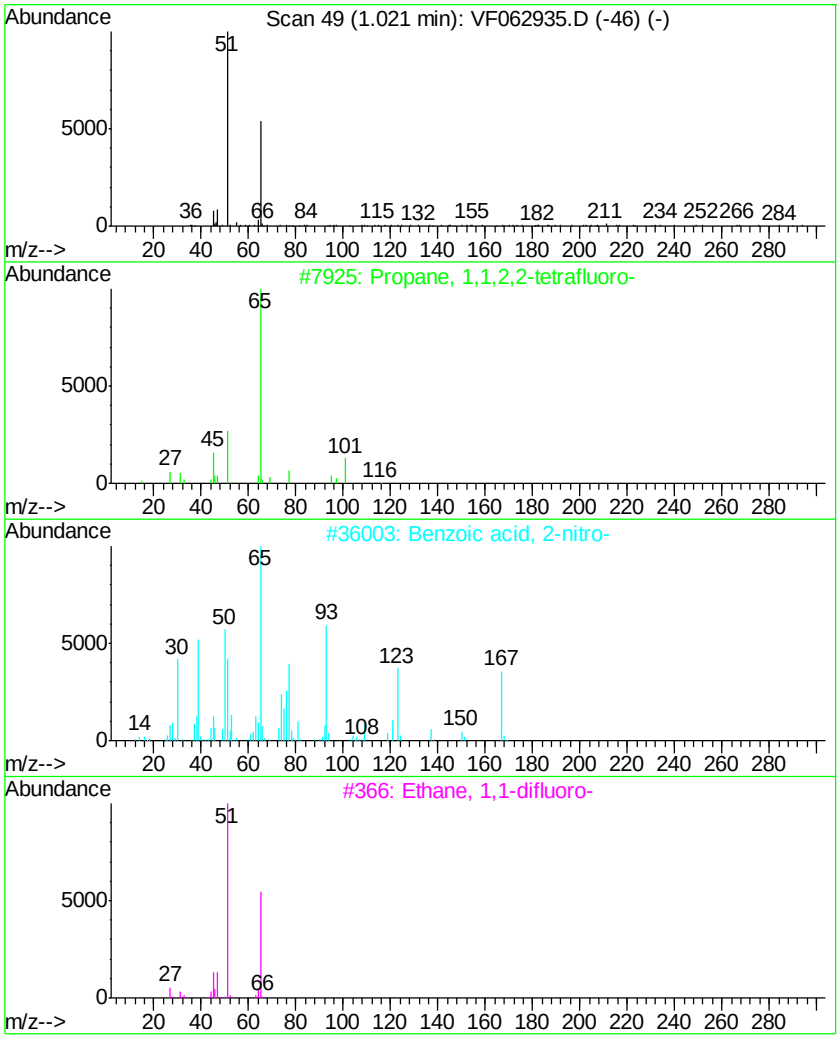
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

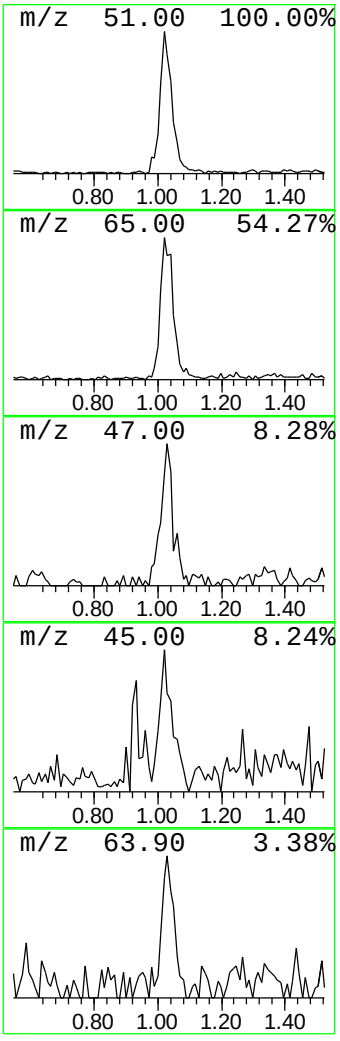
****

Peak Number 1 unknown1.02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.02	6.25 ug/l	169526	Pentafluorobenzene	5.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1,2,2-tetrafluoro-	116	C3H4F4	040723-63-5	10
2	Benzoic acid, 2-nitro-	167	C7H5NO4	000552-16-9	9
3	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	9
4	5-Nitro-2-furaldehyde p-tosylhyd...	309	C12H11N3O5S	013777-58-7	4
5	Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062935.D
Acq On : 12 Jun 2019 18:44
Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

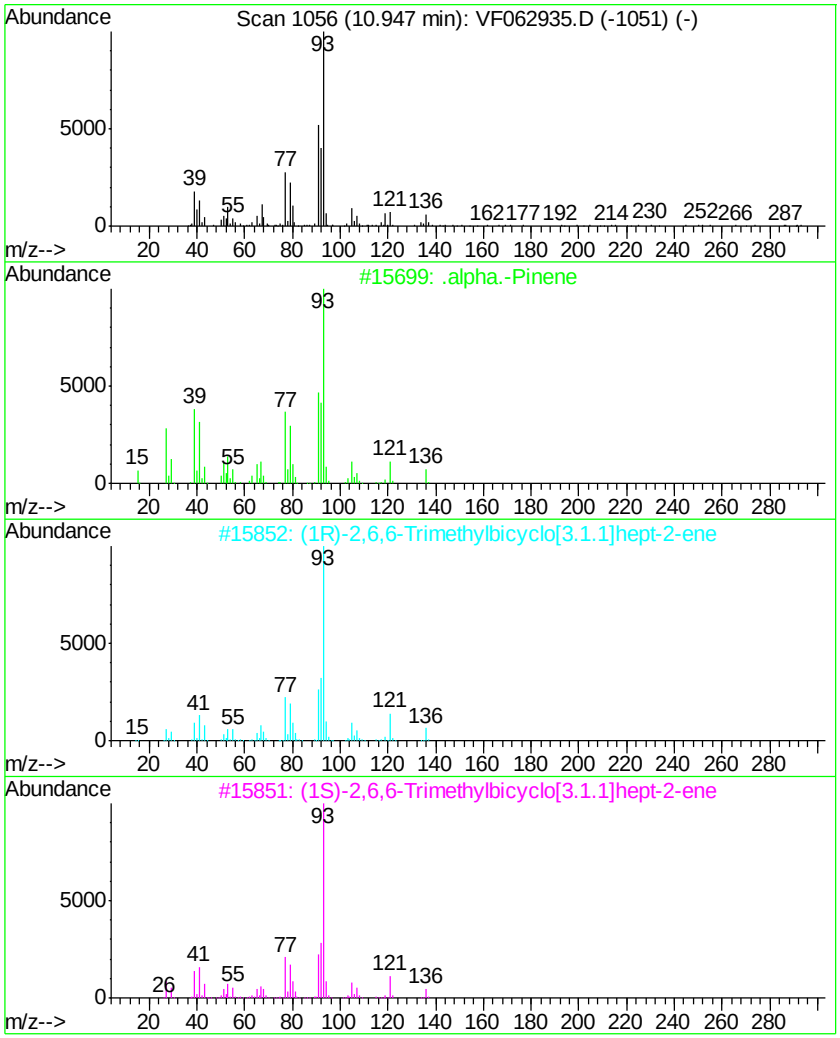
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

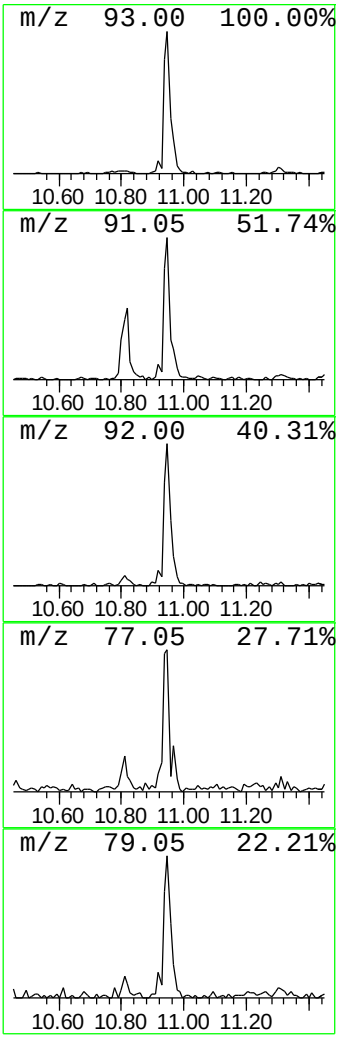
****

Peak Number 2 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	11.10 ug/l	262260	Chlorobenzene-d5	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	87
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	72
5	.beta.-Pinene	136	C10H16	000127-91-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

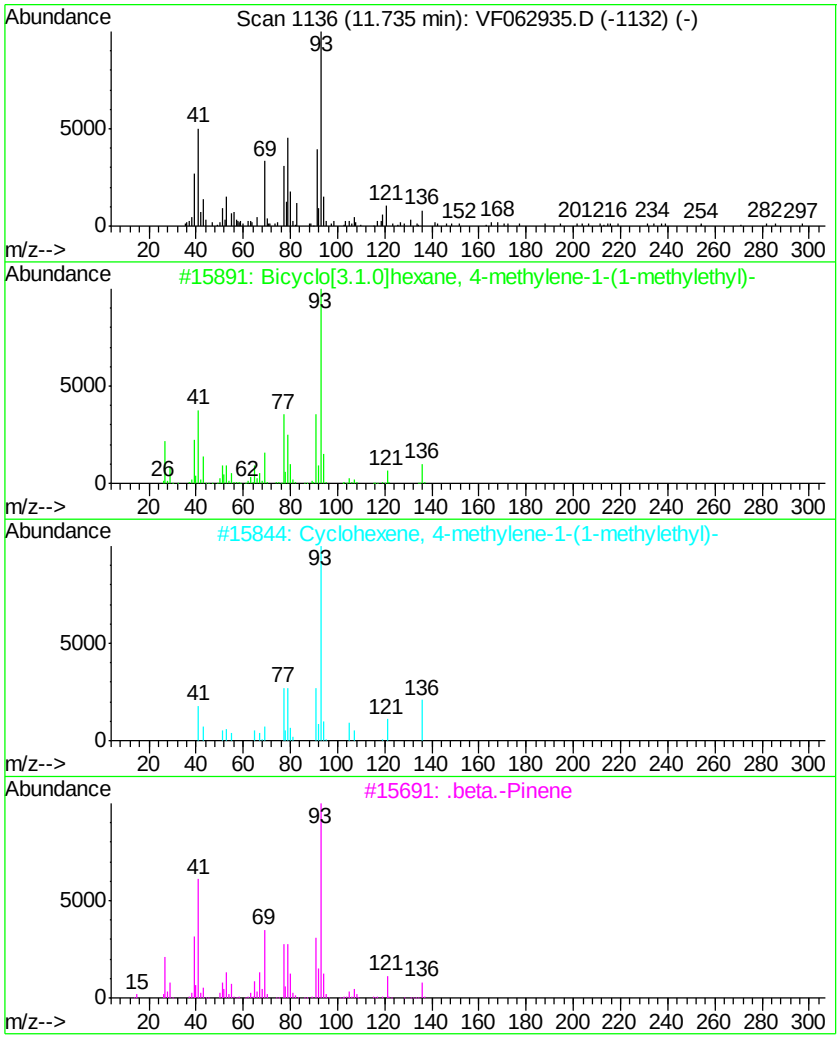
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

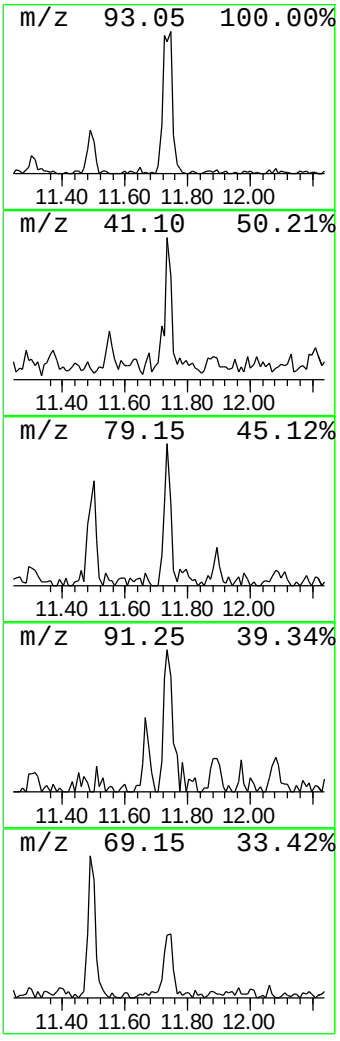
****

Peak Number 3 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.42 ug/l	101790	1,4-Dichlorobenzene-d4	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	87
2	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	83
3	.beta.-Pinene	136	C10H16	000127-91-3	81
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	72
5	.beta.-Ocimene	136	C10H16	013877-91-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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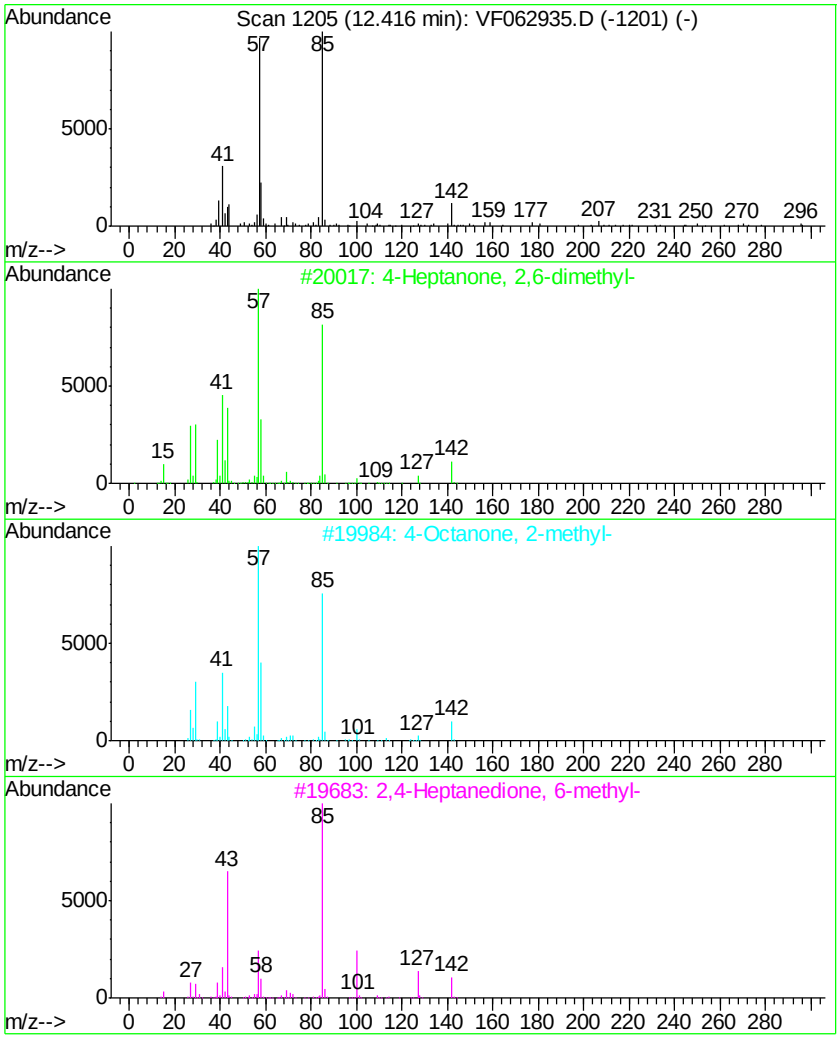
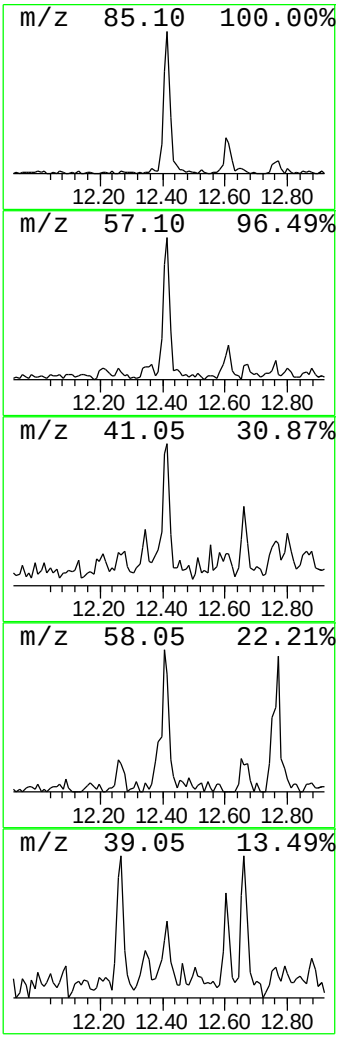
****

Peak Number 4 4-Heptanone, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.62 ug/l	124359	1,4-Dichlorobenzene-d4	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	59
2	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	59
3	2,4-Heptanedione, 6-methyl-	142	C8H14O2	003002-23-1	50
4	5-Nonanone	142	C9H18O	000502-56-7	45
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	33





Library Search Compound Report

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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

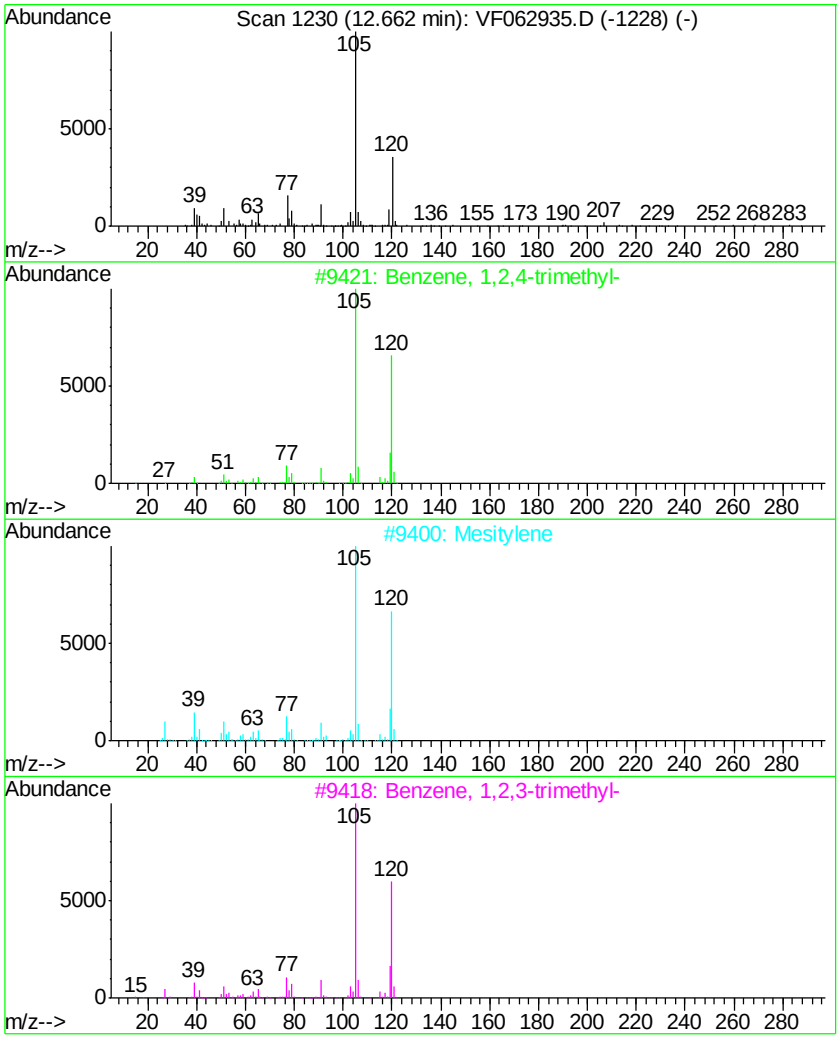
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

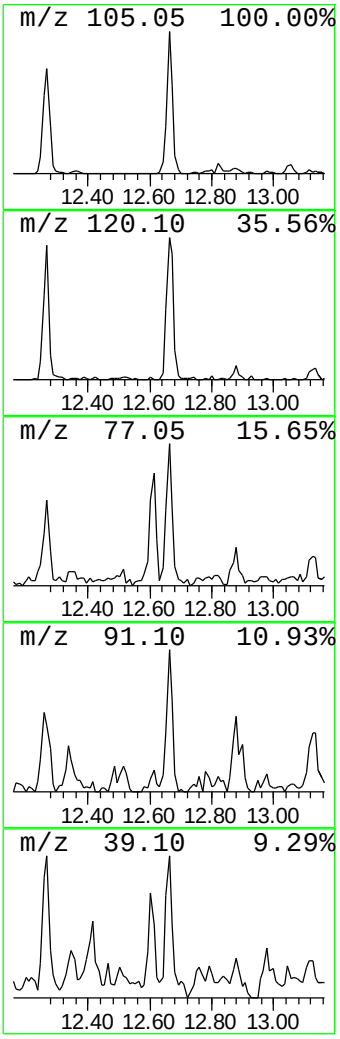
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	11.58 ug/l	217377	1,4-Dichlorobenzene-d4	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81





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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

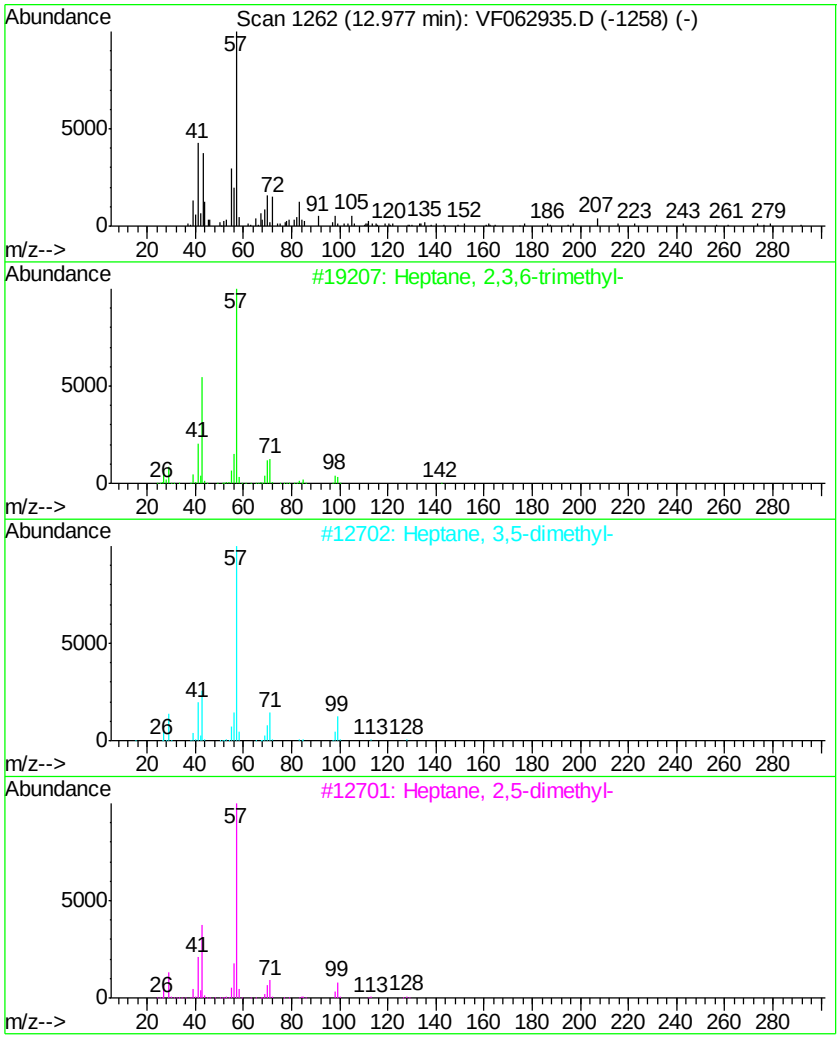
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

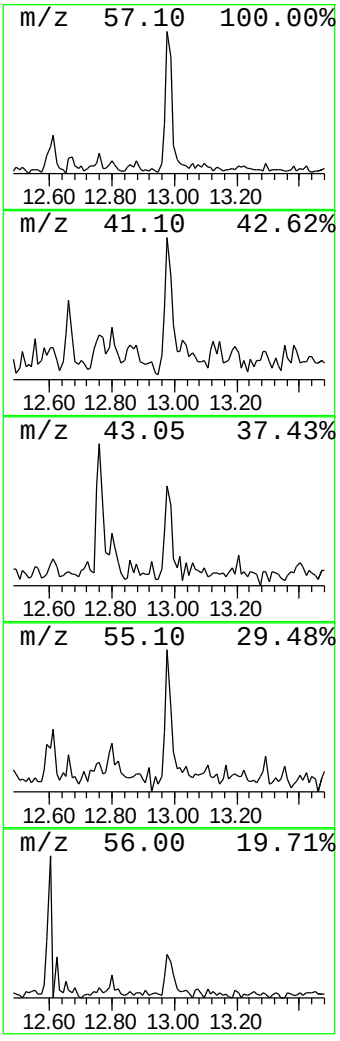
****

Peak Number 6 unknown12.98 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	5.08 ug/l	95441	1,4-Dichlorobenzene-d4	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	47
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	47
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	47
5	Oxirane, (3,3-dimethylbutyl)-	128	C8H16O	053907-77-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062935.D
Acq On : 12 Jun 2019 18:44
Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

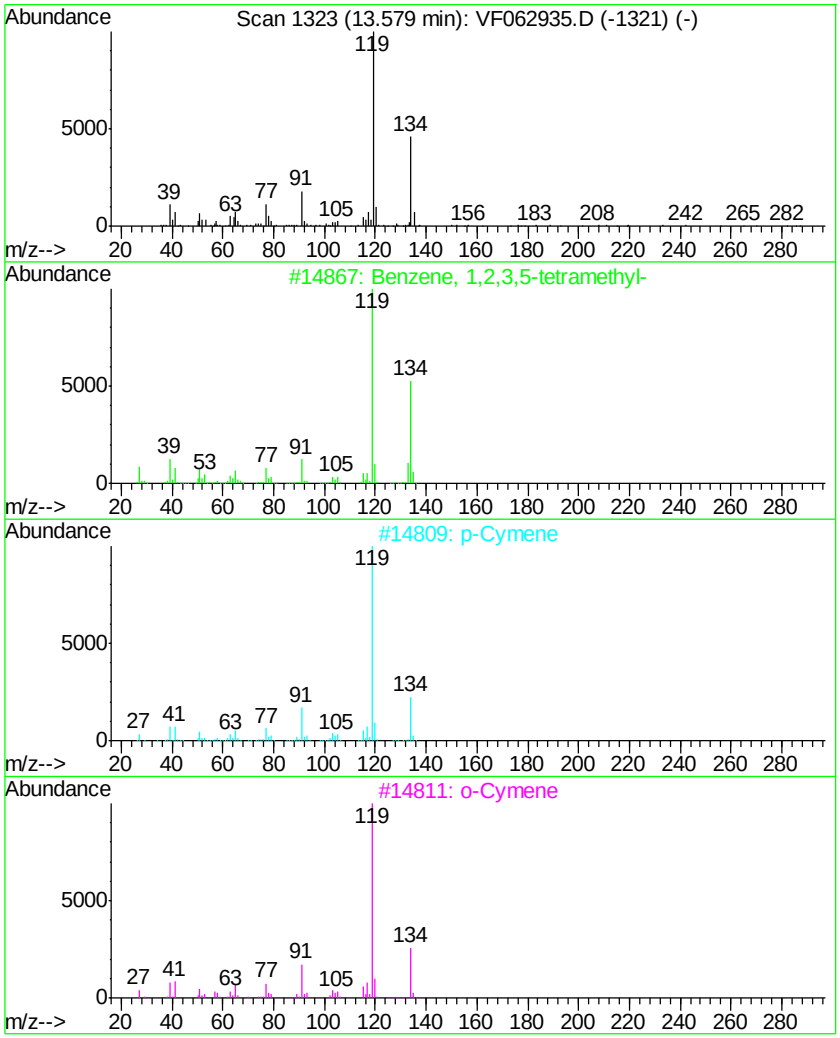
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

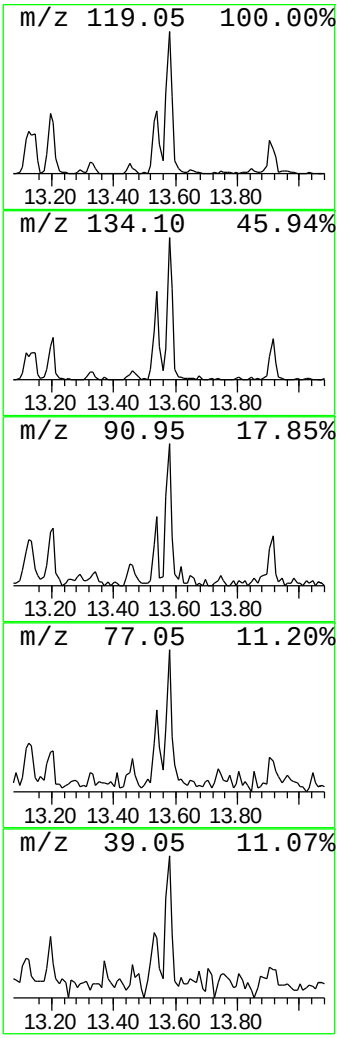
****

Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	7.89 ug/l	148123	1,4-Dichlorobenzene-d4	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061219\
Data File : VF062935.D
Acq On : 12 Jun 2019 18:44
Operator : FY/SY
Sample : K3343-02
Misc : 4.76g/5mL/MSVOA_F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-008

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.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
unknown1.02	1.02	6.3	ug/l	169526	1	5.06	1355950	50.0
.alpha.-Pinene	10.95	11.1	ug/l	262260	3	9.91	1181000	50.0
Bicyclo[3.1.0]hex...	11.74	5.4	ug/l	101790	4	12.60	938895	50.0
4-Heptanone, 2,6-...	12.42	6.6	ug/l	124359	4	12.60	938895	50.0
Benzene, 1,2,4-tr...	12.66	11.6	ug/l	217377	4	12.60	938895	50.0
unknown12.98	12.98	5.1	ug/l	95441	4	12.60	938895	50.0
Benzene, 1,2,3,5-...	13.58	7.9	ug/l	148123	4	12.60	938895	50.0