LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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	1.035	47	51	56	rVB	102291	258749	14.85%	1.953%
2	1.380	81	86	89	rBV7	19283	61398	3.52%	0.463%
3	1.716	118	120	121	rVB	38793	25005	1.44%	0.189%
4	1.824	128	131	133	rBV4	8492	17892	1.03%	0.135%
5	1.854	133	134	137	rBV3	14497	22130	1.27%	0.167%
6	1.972	144	146	150	rBV5	12429	20463	1.17%	0.154%
7	2.297	173	179	181	rBV7	19475	59575	3.42%	0.450%
8	2.356	181	185	191	rVB	38323	102941	5.91%	0.777%
9	3.066	255	257	263	rVB	25247	38847	2.23%	0.293%
10	4.209	369	373	378	rVB2	22249	61335	3.52%	0.463%
11	4.633	413	416	420	rBV5	8511	17447	1.00%	0.132%
12	5.047	450	458	469	rBV2	556784	1742378	100.00%	13.148%
13	5.777	526	532	539	rBV	603721	1587065	91.09%	11.976%
14	6.388	591	594	597	rBV4	9250	23548	1.35%	0.178%
15	7.009	654	657	663	rBV5	13044	41119	2.36%	0.310%
16	7.709	722	728	740	rVV	619369	1387011	79.60%	10.467%
17	8.182	774	776	781	rVB4	9160	23832	1.37%	0.180%
18	8.409	796	799	801	rBV2	12790	18609	1.07%	0.140%
19	9.601	916	920	925	rBV2	52892	121641	6.98%	0.918%
20	9.907	946	951	958	rBV	744153	1445676	82.97%	10.909%
21	10.025	962	963	970	rVV2	27920	45130	2.59%	0.341%
22	10.252	982	986	991	rVB2	31950	82200	4.72%	0.620%
23	10.656	1025	1027	1031	rVB3	8983	21708	1.25%	0.164%
24	10.814	1037	1043	1048	rVB	50995	107348	6.16%	0.810%
25	10.942	1052	1056	1060	rBV	127279	250286	14.36%	1.889%
26	11.228	1083	1085	1088	rBV	40050	38212	2.19%	0.288%
27	11.267	1088	1089	1091	rVV	87251	60730	3.49%	0.458%
28	11.307	1091	1093	1096	rVV4	12327	21855	1.25%	0.165%
29	11.356	1096	1098	1103	rVB3	16860	35159	2.02%	0.265%
30	11.494	1108	1112	1115	rBV	526624	857158	49.19%	6.468%
31	11.543	1115	1117	1122	rVV2	38822	92150	5.29%	0.695%
32	11.612	1122	1124	1128	rVB3	11031	25589	1.47%	0.193%
33	11.730	1132	1136	1139	rBV2	63076	109798	6.30%	0.829%
34	11.790	1139	1142	1145	rVB2	21900	38865	2.23%	0.293%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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	11.888	1150	1152	1156	rBV2	41752	63922	3.67%	0.482%
36	12.076	1167	1171	1175	rVB3	19896	45145	2.59%	0.341%
37	12.214	1181	1185	1187	rVV6	9083	21742	1.25%	0.164%
38	12.263	1187	1190	1193	rVV	131314	199157	11.43%	1.503%
39	12.342	1195	1198	1201	rVV4	47903	81896	4.70%	0.618%
40	12.411	1201	1205	1210	rVV	115588	191434	10.99%	1.445%
41	12.519	1213	1216	1220	rVV4	14972	39200	2.25%	0.296%
42	12.608	1221	1225	1228	rVV	975386	1401958	80.46%	10.579%
43	12.667	1228	1231	1235	rVV2	206042	361408	20.74%	2.727%
44	12.765	1238	1241	1243	rVV	61541	120449	6.91%	0.909%
45	12.805	1243	1245	1249	rVV3	31685	65731	3.77%	0.496%
46	12.874	1249	1252	1257	rVV	69291	116725	6.70%	0.881%
47	12.982	1260	1263	1268	rBV	234045	375799	21.57%	2.836%
48	13.061	1268	1271	1275	rVV3	20870	64474	3.70%	0.487%
49	13.120	1275	1277	1282	rVV2	64513	152571	8.76%	1.151%
50	13.199	1282	1285	1289	rVB	83104	123053	7.06%	0.929%
51	13.327	1294	1298	1301	rBV3	22262	47936	2.75%	0.362%
52	13.465	1310	1312	1316	rVB2	33810	55112	3.16%	0.416%
53	13.534	1316	1319	1321	rBV	96397	127375	7.31%	0.961%
54	13.584	1321	1324	1327	rVV	191181	306309	17.58%	2.311%
55	13.643	1327	1330	1335	rVV6	20030	47039	2.70%	0.355%
56	13.712	1335	1337	1338	rVV2	16533	19600	1.12%	0.148%
57	13.751	1338	1341	1347	rVB4	50717	78972	4.53%	0.596%
58	13.909	1352	1357	1364	rVV3	58727	143836	8.26%	1.085%
59	14.116	1375	1378	1380	rVB3	15394	22230	1.28%	0.168%
60	14.185	1380	1385	1388	rBV4	17278	50551	2.90%	0.381%
61	14.491	1414	1416	1419	rVV	27647	46990	2.70%	0.355%
62	15.437	1508	1512	1514	rBV2	9770	18251	1.05%	0.138%

Sum of corrected areas: 13251714

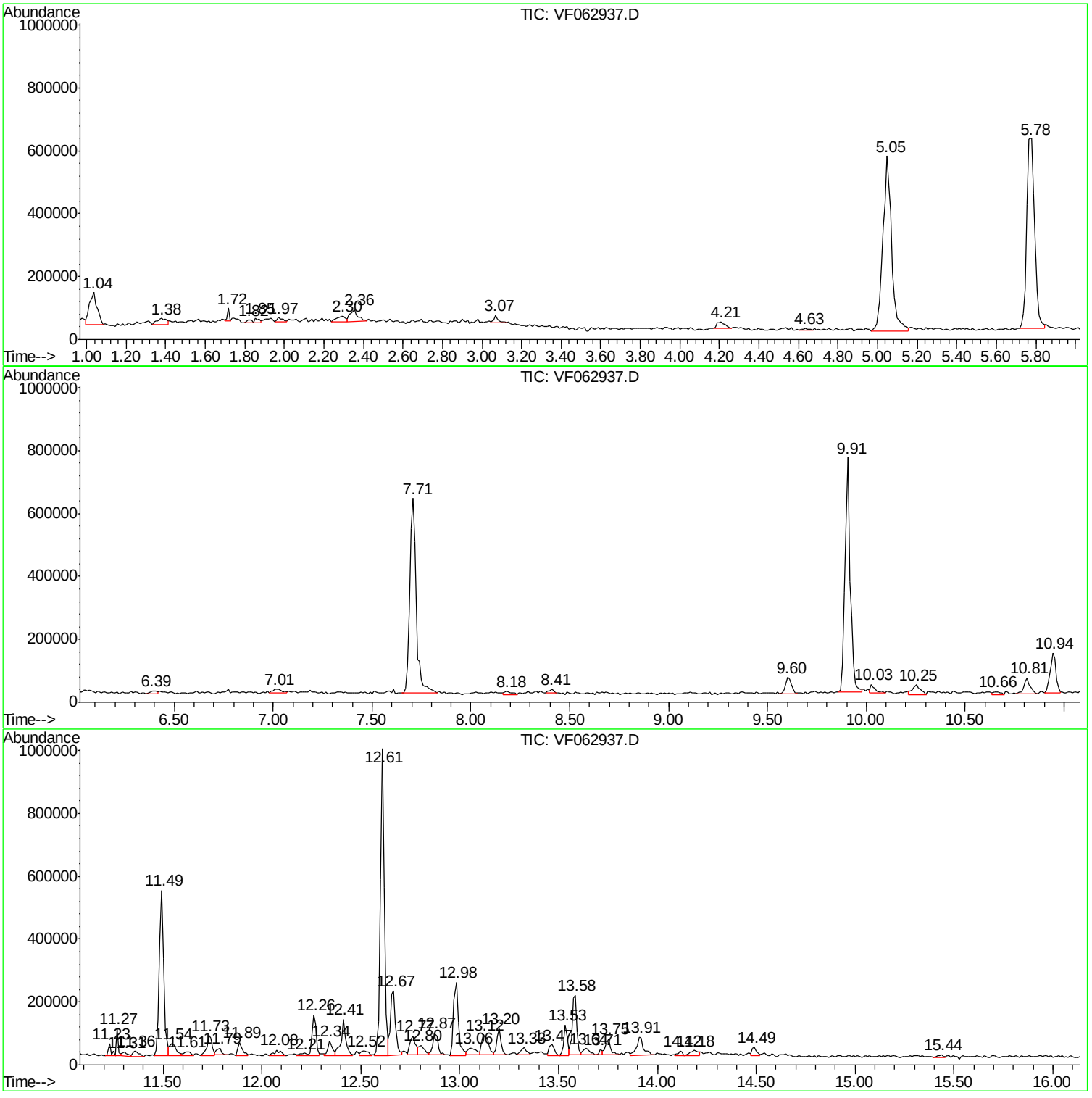
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA_F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

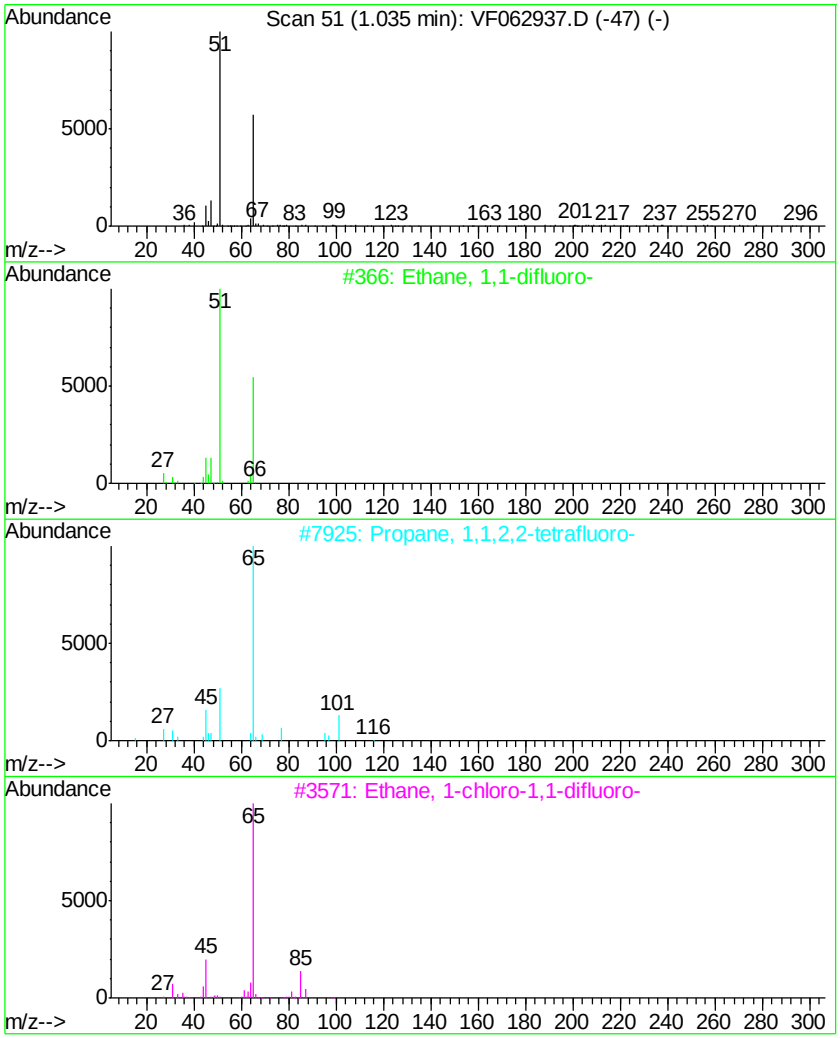
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

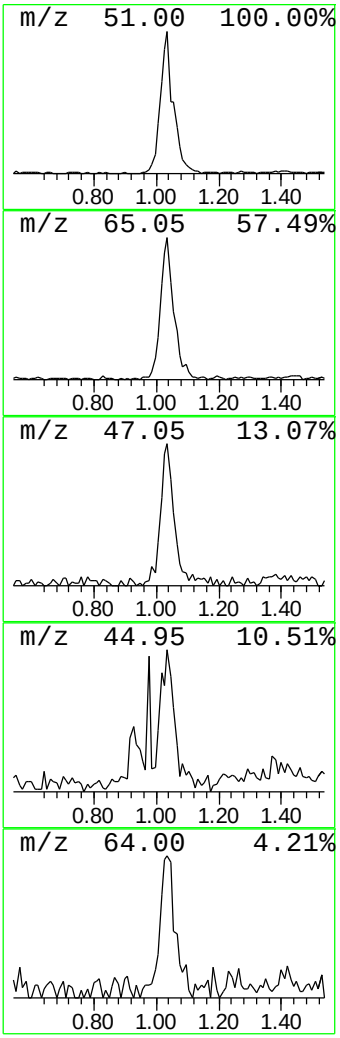
****

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.04	7.43 ug/l	258749	Pentafluorobenzene	5.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	90
2	Propane, 1,1,2,2-tetrafluoro-	116	C3H4F4	040723-63-5	10
3	Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	9
4	Pentane, 1,1,2,2,3,3,4,4-octaflu...	216	C5H4F8	040723-64-6	9
5	5-Nitro-2-furaldehyde p-tosylhyd...	309	C12H11N3O5S	013777-58-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

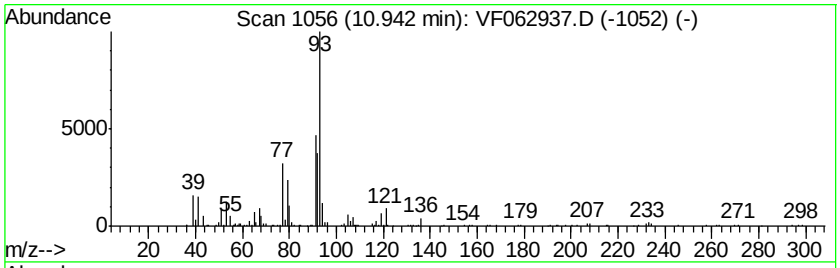
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

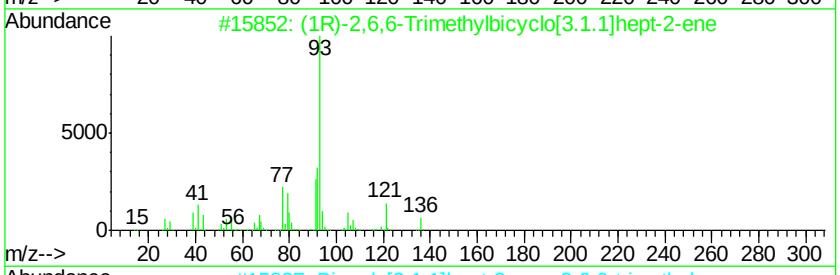
****

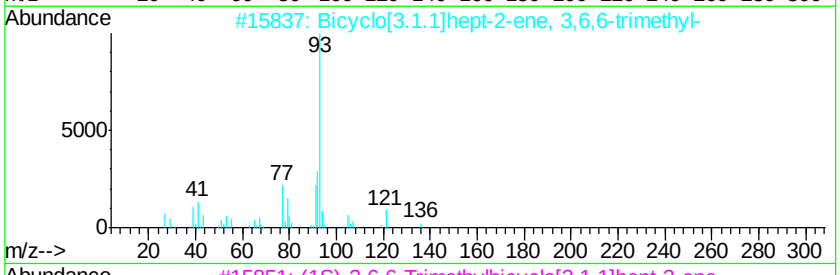
Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 4

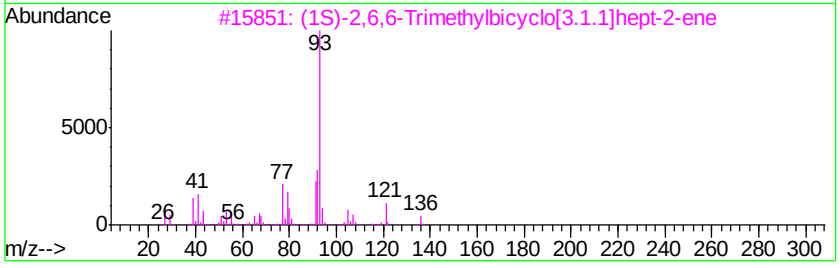
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	8.66 ug/l	250286	Chlorobenzene-d5	9.91

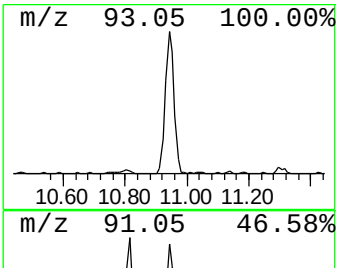
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	91
4	.alpha.-Pinene	136	C10H16	000080-56-8	91
5	.beta.-Pinene	136	C10H16	000127-91-3	87

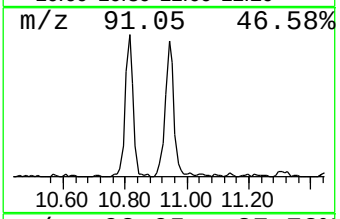


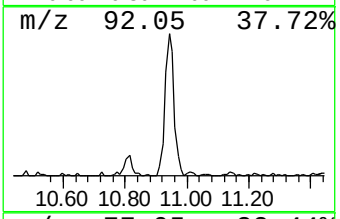


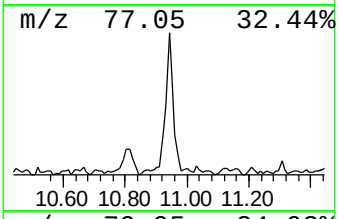


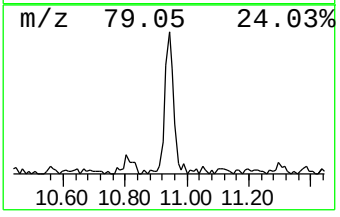












Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

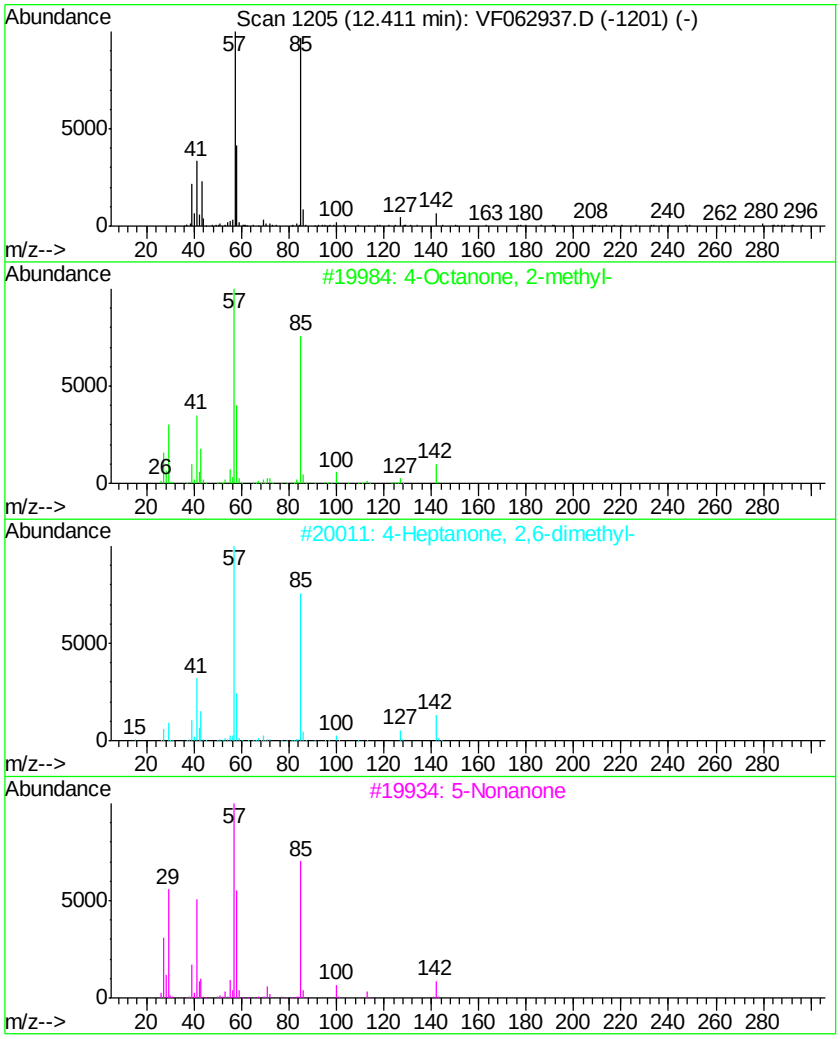
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

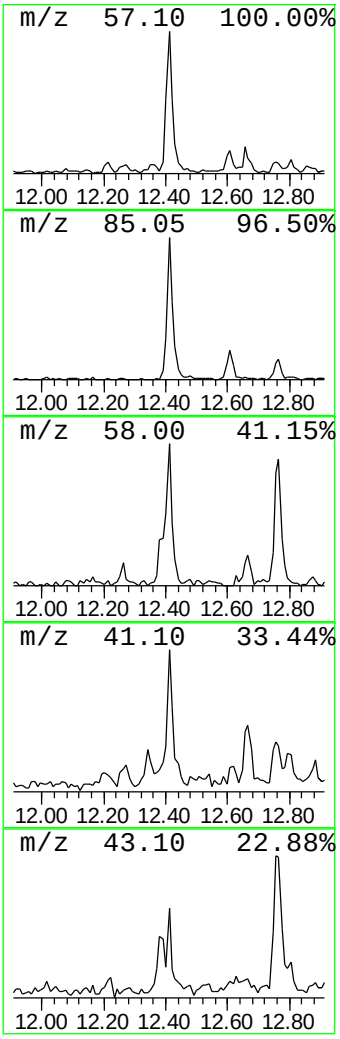
****

Peak Number 3 4-Octanone, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	6.83 ug/l	191434	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	86
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
3	5-Nonanone	142	C9H18O	000502-56-7	47
4	2-Octene, 2-methoxy-	142	C9H18O	061142-42-5	43
5	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

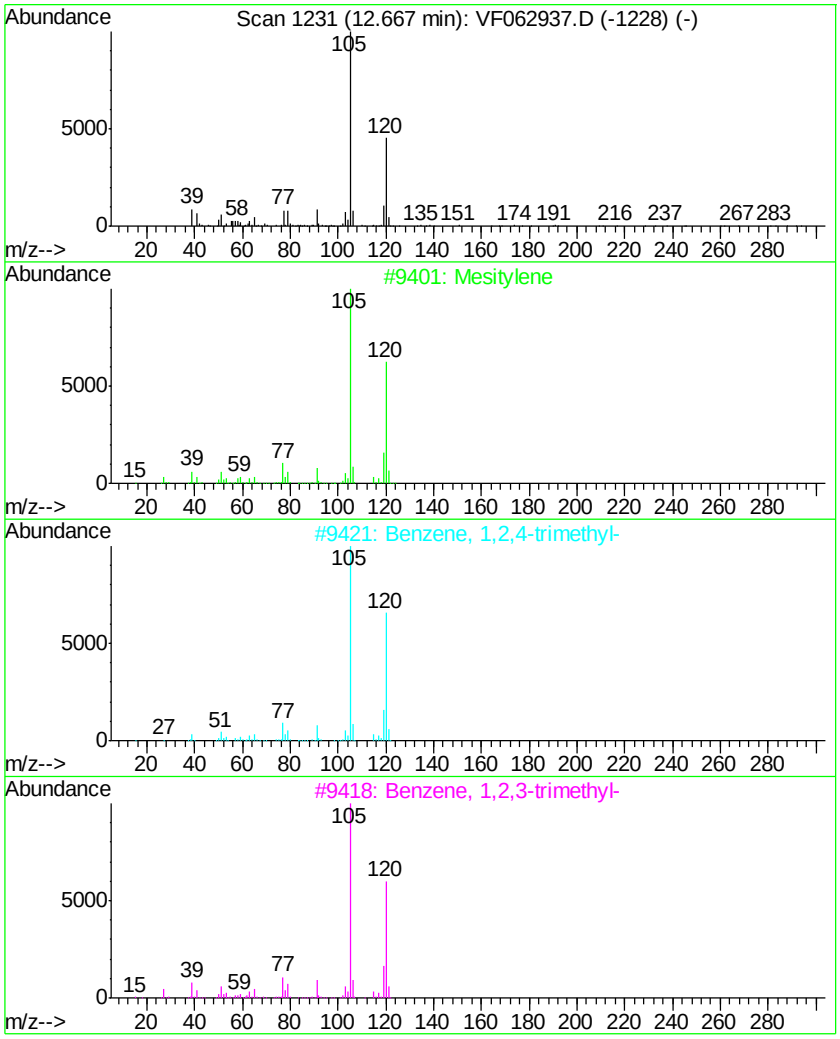
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

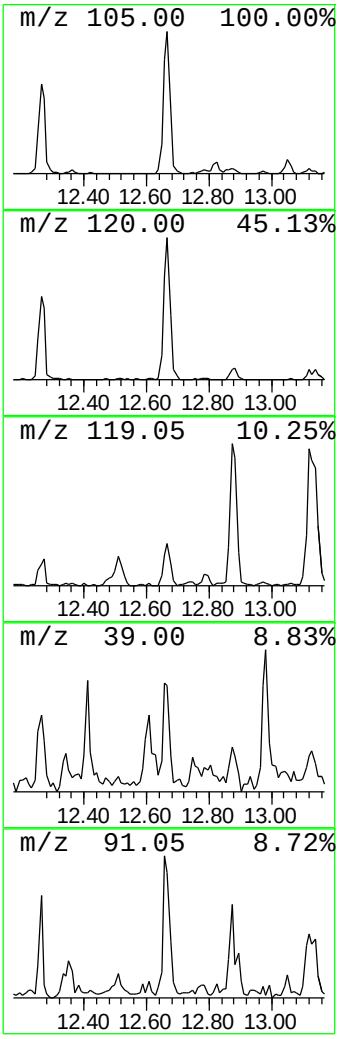
****

Peak Number 4 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	12.89 ug/l	361408	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

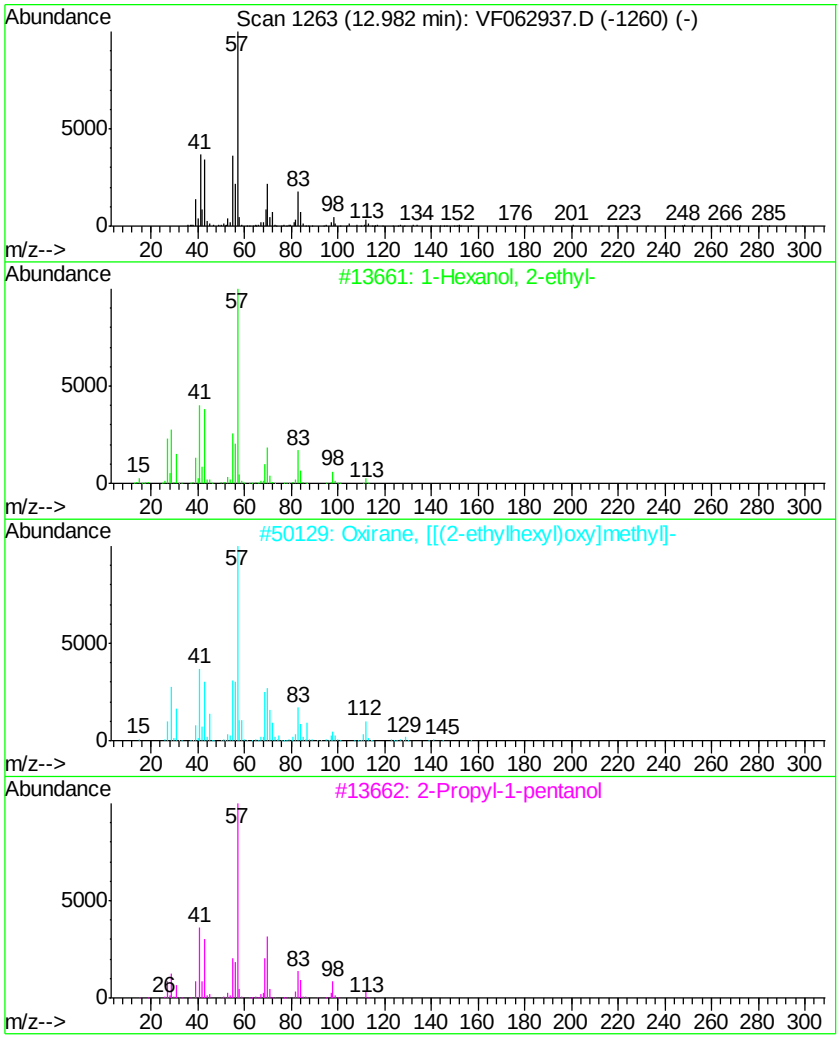
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

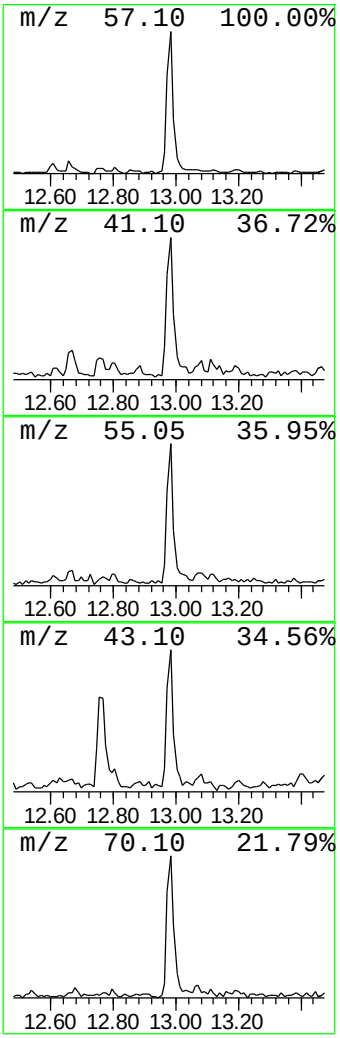
****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	13.40 ug/l	375799	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	64
3	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	56
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

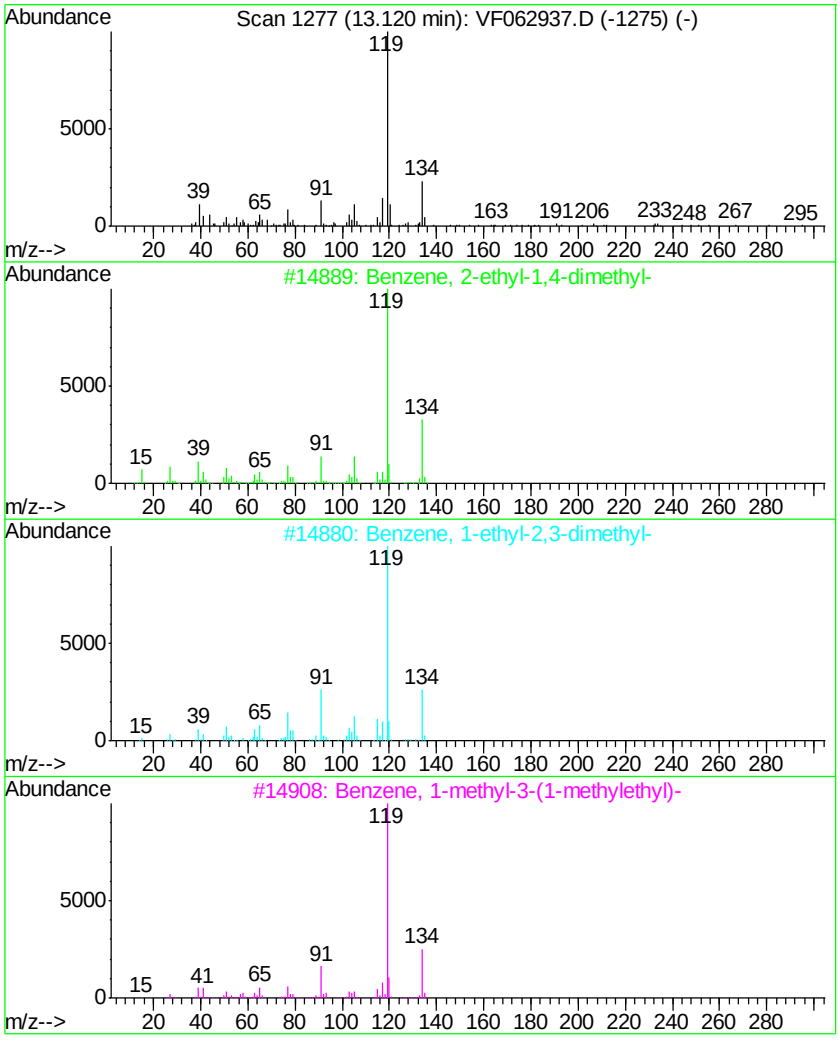
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

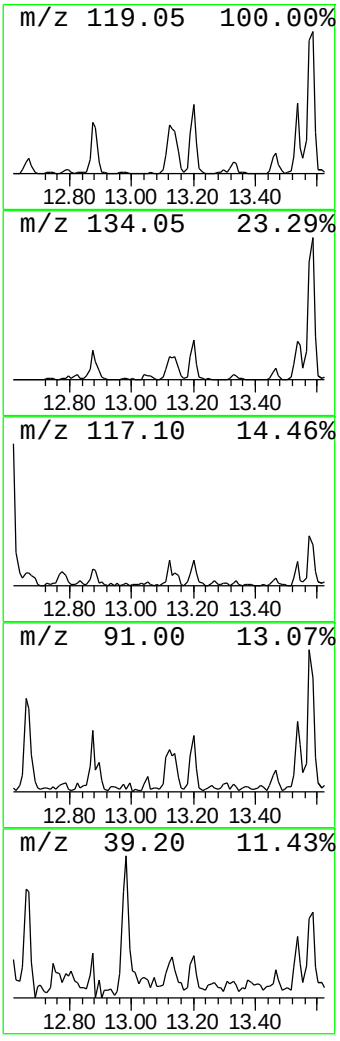
****

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	5.44 ug/l	152571	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

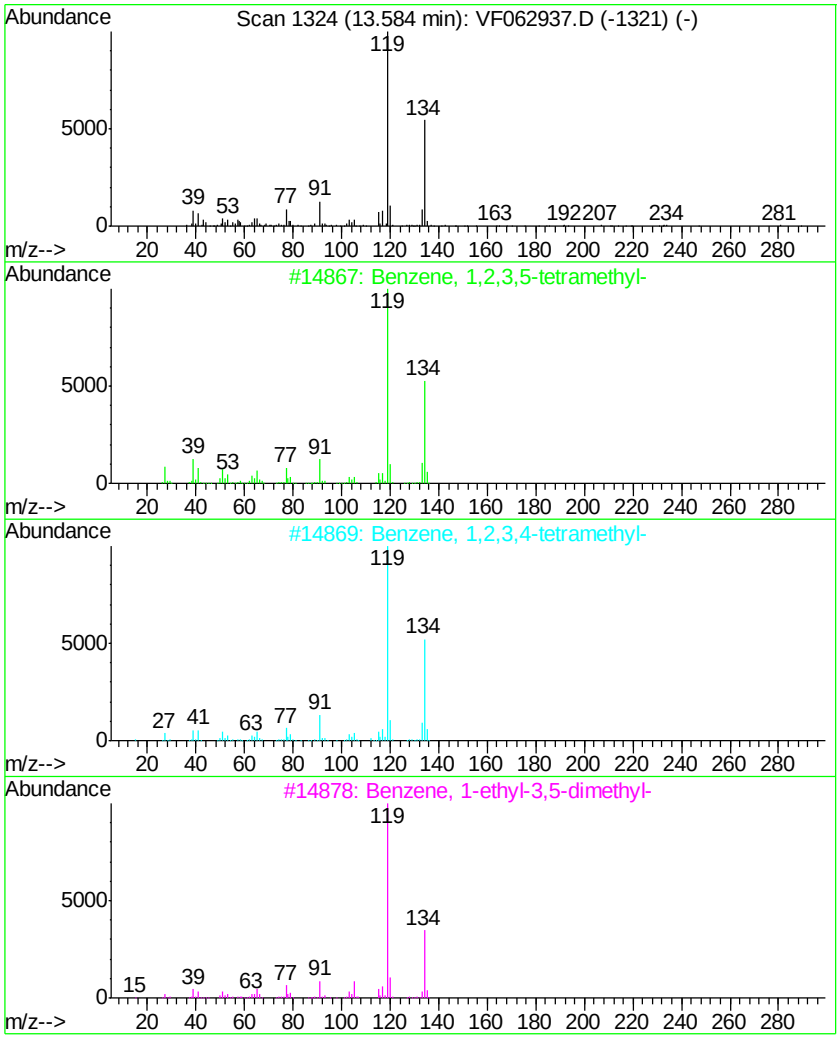
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

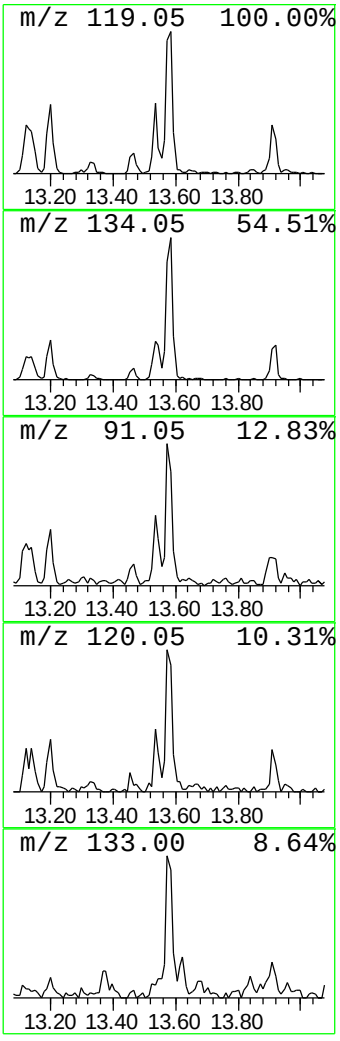
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	10.92 ug/l	306309	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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

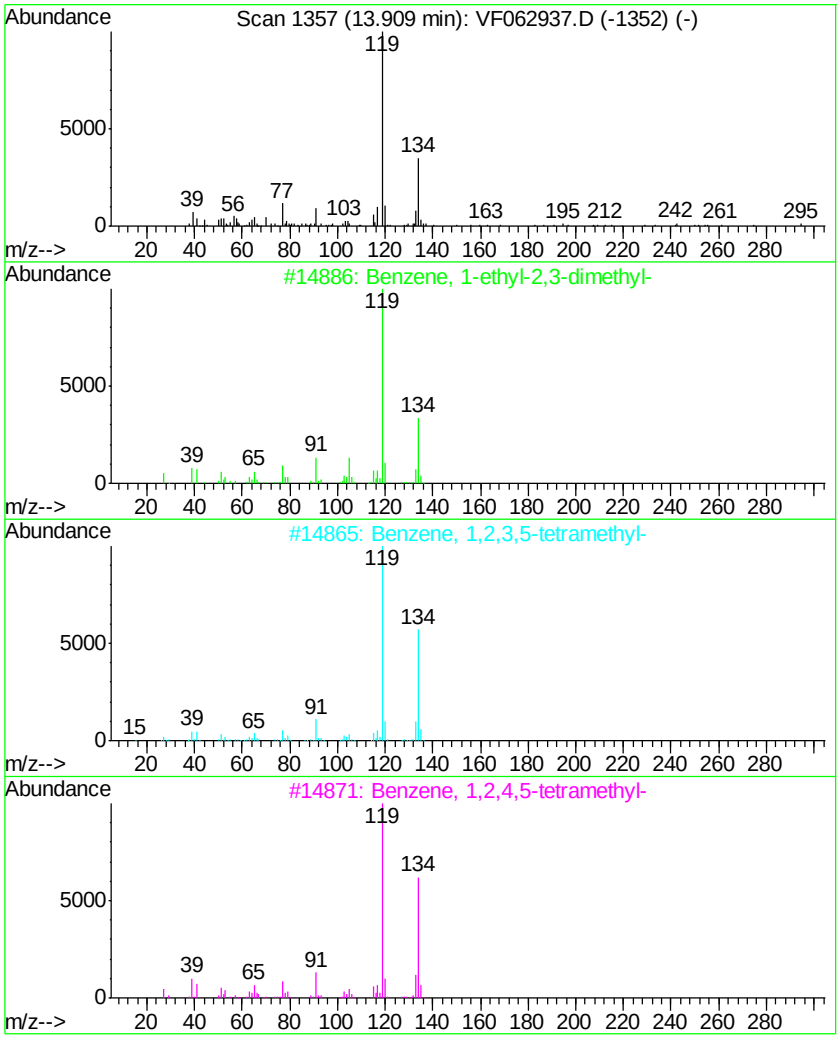
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

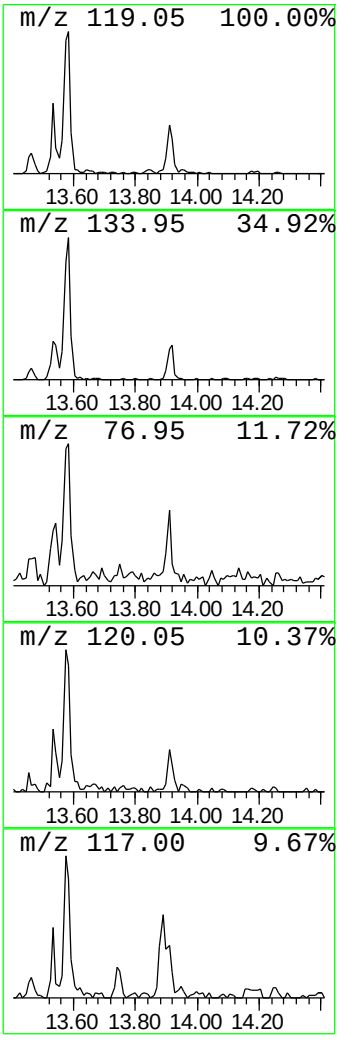
****

Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	5.13 ug/l	143836	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	o-Cymene	134	C10H14	000527-84-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061219\
Data File : VF062937.D
Acq On : 12 Jun 2019 19:40
Operator : FY/SY
Sample : K3344-02
Misc : 4.79g/5mL/MSVOA_F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : FK-0D015-03-007

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
Ethane, 1,1-diflu...	1.04	7.4	ug/l	258749	1	5.05	1742380	50.0
(1R)-2,6,6-Trimet...	10.94	8.7	ug/l	250286	3	9.91	1445680	50.0
4-Octanone, 2-met...	12.41	6.8	ug/l	191434	4	12.61	1401960	50.0
Mesitylene	12.67	12.9	ug/l	361408	4	12.61	1401960	50.0
1-Hexanol, 2-ethyl-	12.98	13.4	ug/l	375799	4	12.61	1401960	50.0
Benzene, 2-ethyl-...	13.12	5.4	ug/l	152571	4	12.61	1401960	50.0
Benzene, 1,2,3,5-...	13.58	10.9	ug/l	306309	4	12.61	1401960	50.0
Benzene, 1-ethyl-...	13.91	5.1	ug/l	143836	4	12.61	1401960	50.0