

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062936.D
 Acq On : 12 Jun 2019 19:12
 Operator : FY/SY
 Sample : K3346-02
 Misc : 4.48g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RICH-REC-ROAD-STONE-15

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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	1.031	46	50	59	rVB	98437	285872	15.32%	2.028%
2	1.652	109	113	116	rVB6	10455	24946	1.34%	0.177%
3	1.721	116	120	121	rBV4	11288	23038	1.23%	0.163%
4	2.293	172	178	179	rBV6	22717	46435	2.49%	0.329%
5	2.352	179	184	189	rVB2	48546	138480	7.42%	0.982%
6	3.121	261	262	267	rVB	28785	36643	1.96%	0.260%
7	4.018	352	353	359	rVB6	7772	19320	1.04%	0.137%
8	4.185	365	370	371	rBV3	14281	26897	1.44%	0.191%
9	4.304	379	382	386	rVB4	11418	27416	1.47%	0.194%
10	5.053	450	458	471	rBV2	546870	1866320	100.00%	13.238%
11	5.772	525	531	540	rBV	713248	1684723	90.27%	11.950%
12	6.403	593	595	603	rBV9	7931	29463	1.58%	0.209%
13	7.024	653	658	660	rBV2	15072	31144	1.67%	0.221%
14	7.704	720	727	733	rVV	604870	1470348	78.78%	10.429%
15	7.773	733	734	741	rVB3	30086	52331	2.80%	0.371%
16	8.325	786	790	791	rBV4	8026	20671	1.11%	0.147%
17	8.404	796	798	803	rVB3	9464	23709	1.27%	0.168%
18	8.838	840	842	847	rBV6	8815	22805	1.22%	0.162%
19	9.390	897	898	900	rBV	21214	21054	1.13%	0.149%
20	9.597	916	919	926	rVB2	56494	150107	8.04%	1.065%
21	9.902	945	950	958	rBV	877769	1830921	98.10%	12.987%
22	10.021	960	962	968	rVB4	26435	63489	3.40%	0.450%
23	10.149	973	975	980	rVB6	8685	20164	1.08%	0.143%
24	10.257	982	986	989	rBV2	33590	64352	3.45%	0.456%
25	10.819	1036	1043	1047	rBV2	56022	129445	6.94%	0.918%
26	10.947	1052	1056	1060	rVV	170198	328513	17.60%	2.330%
27	11.302	1088	1092	1095	rVV6	8688	20103	1.08%	0.143%
28	11.361	1095	1098	1101	rVB2	16622	27836	1.49%	0.197%
29	11.489	1107	1111	1115	rBV	542384	776071	41.58%	5.505%
30	11.549	1115	1117	1120	rVV4	38682	85490	4.58%	0.606%
31	11.618	1122	1124	1127	rVV4	17526	31957	1.71%	0.227%
32	11.677	1127	1130	1132	rVV3	10842	21599	1.16%	0.153%
33	11.736	1132	1136	1139	rVV2	89090	173143	9.28%	1.228%
34	11.775	1139	1140	1144	rVV3	32053	56113	3.01%	0.398%

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Instrument :
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Integration Parameters: RTEINT.P

Integrator: RTE
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35	11.894	1146	1152	1154	rVV	51944	89276	4.78%	0.633%
36	12.081	1169	1171	1174	rVV	30908	48642	2.61%	0.345%
37	12.268	1185	1190	1193	rVV	151683	234472	12.56%	1.663%
38	12.347	1193	1198	1200	rVV3	34510	61379	3.29%	0.435%
39	12.377	1200	1201	1202	rVV	24743	25737	1.38%	0.183%
40	12.416	1202	1205	1209	rVV	116666	190316	10.20%	1.350%
41	12.485	1209	1212	1213	rVV3	13849	26175	1.40%	0.186%
42	12.515	1213	1215	1219	rVV2	23595	44567	2.39%	0.316%
43	12.613	1221	1225	1228	rVV2	825644	1398926	74.96%	9.922%
44	12.663	1228	1230	1234	rVV	221177	336229	18.02%	2.385%
45	12.761	1237	1240	1243	rVV	78484	147476	7.90%	1.046%
46	12.801	1243	1244	1248	rVV3	36510	66881	3.58%	0.474%
47	12.879	1248	1252	1256	rVV	75956	127559	6.83%	0.905%
48	12.978	1259	1262	1267	rVV	230626	362432	19.42%	2.571%
49	13.057	1267	1270	1274	rVV3	28379	87059	4.66%	0.618%
50	13.126	1274	1277	1281	rVV3	62972	152707	8.18%	1.083%
51	13.195	1281	1284	1290	rVB	93141	143748	7.70%	1.020%
52	13.333	1296	1298	1300	rVV3	18817	26764	1.43%	0.190%
53	13.461	1308	1311	1315	rVB2	29126	58285	3.12%	0.413%
54	13.540	1315	1319	1321	rBV	102446	167403	8.97%	1.187%
55	13.579	1321	1323	1327	rVV	222534	291779	15.63%	2.070%
56	13.648	1327	1330	1332	rVV4	18399	27200	1.46%	0.193%
57	13.717	1334	1337	1338	rBV2	15455	19737	1.06%	0.140%
58	13.747	1338	1340	1346	rVB3	39794	68264	3.66%	0.484%
59	13.914	1351	1357	1360	rBV2	72762	107302	5.75%	0.761%
60	14.121	1374	1378	1380	rBV5	11135	20209	1.08%	0.143%
61	14.190	1380	1385	1388	rVV6	12386	36712	1.97%	0.260%
62	14.486	1413	1415	1420	rBV2	34223	72319	3.87%	0.513%
63	15.097	1476	1477	1479	rBV	43019	28090	1.51%	0.199%

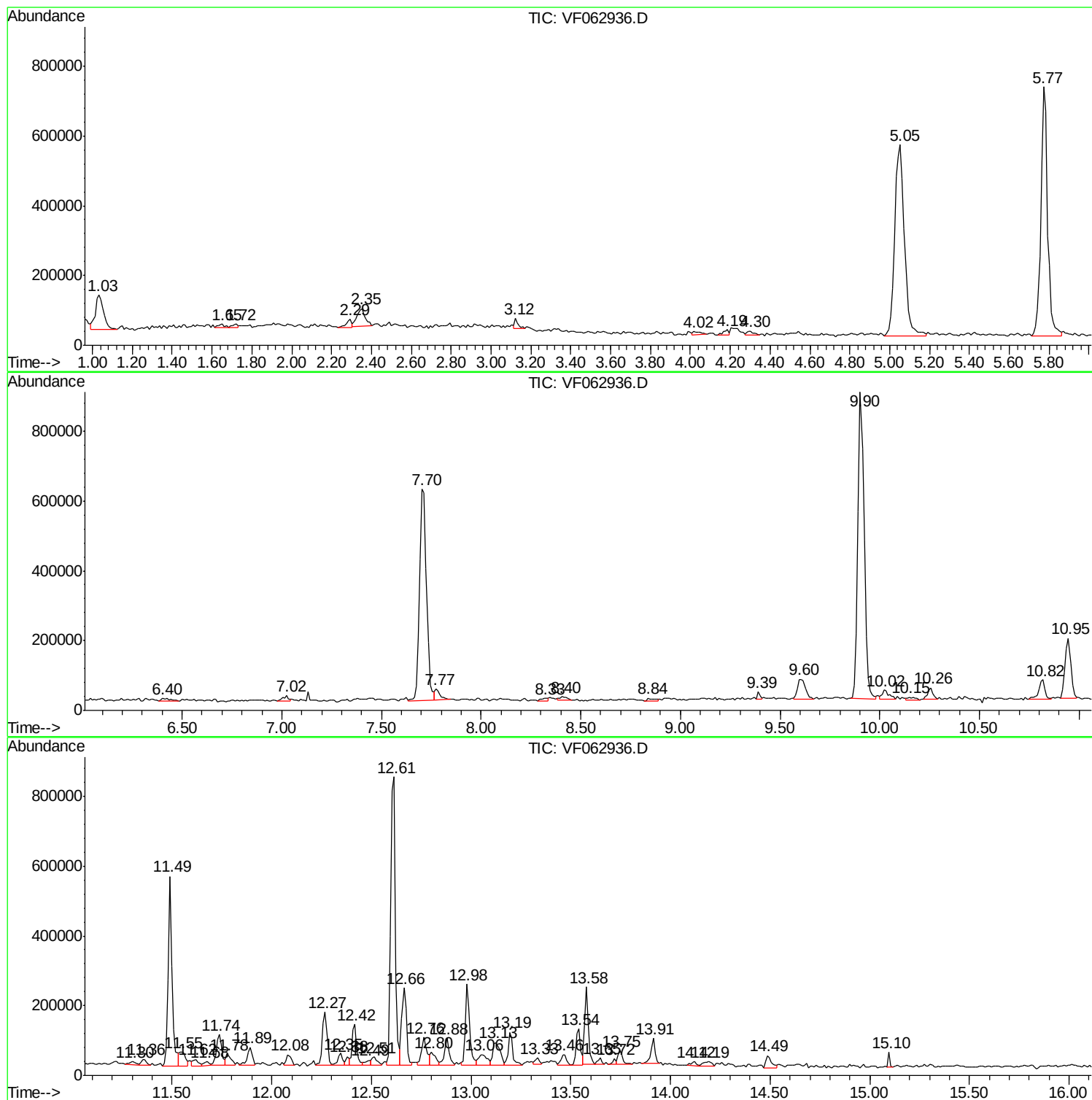
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Quant Title : SW846 8260

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



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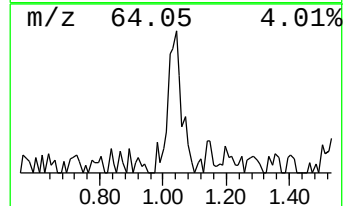
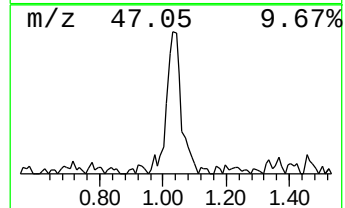
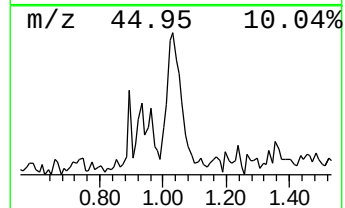
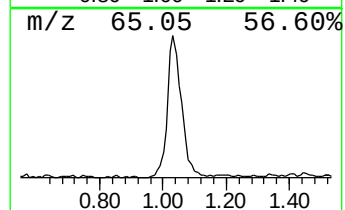
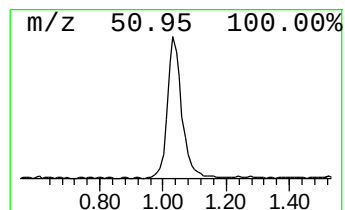
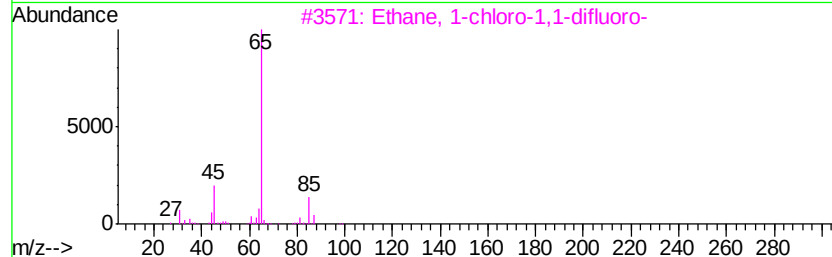
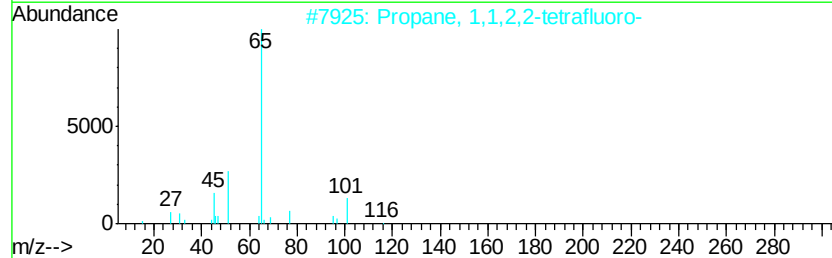
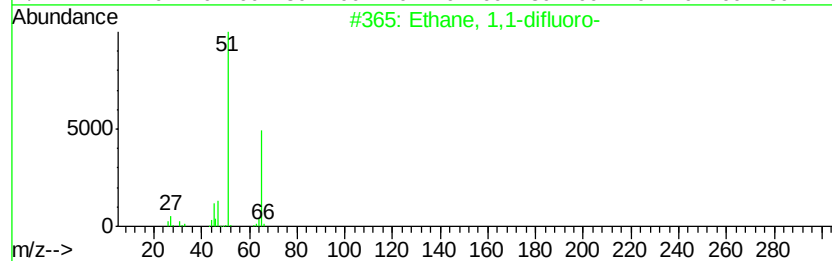
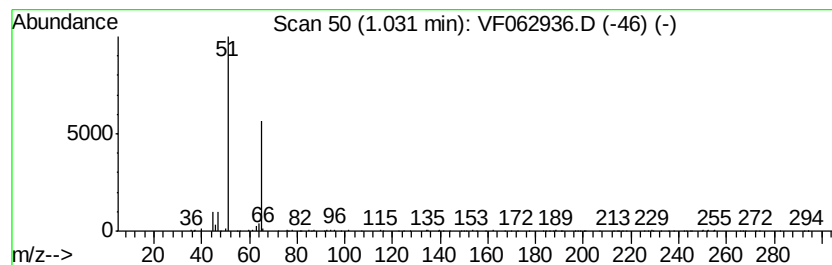
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.03	7.66 ug/l	285872	Pentafluorobenzene	5.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	10
4		Pentane, 1,1,2,2,3,3,4,4-octaflu...	216	C5H4F8	040723-64-6	9
5		Propiolonitrile	51	C3HN	001070-71-9	3



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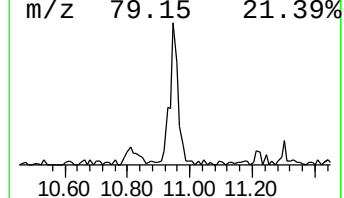
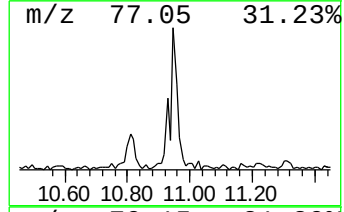
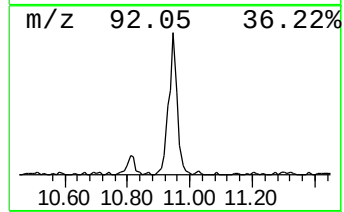
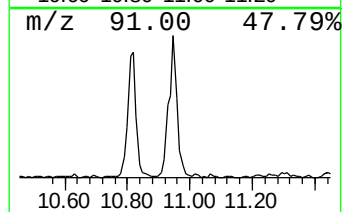
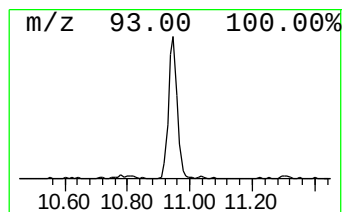
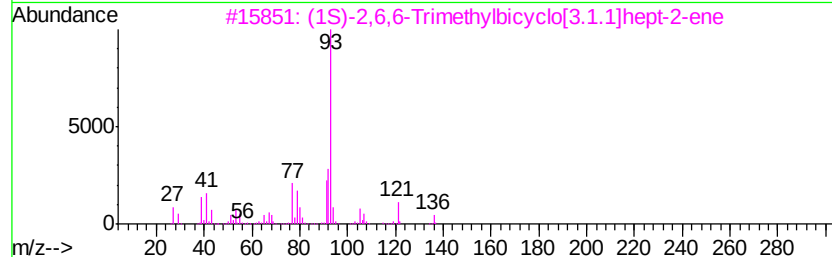
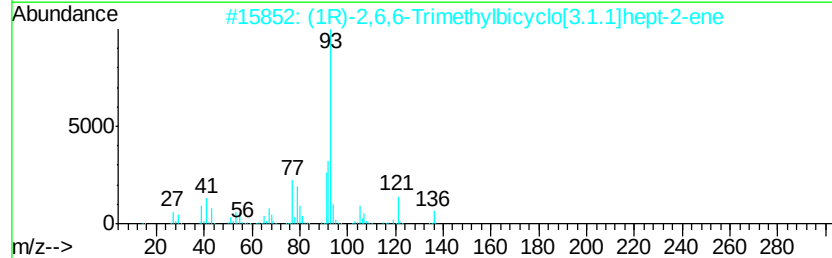
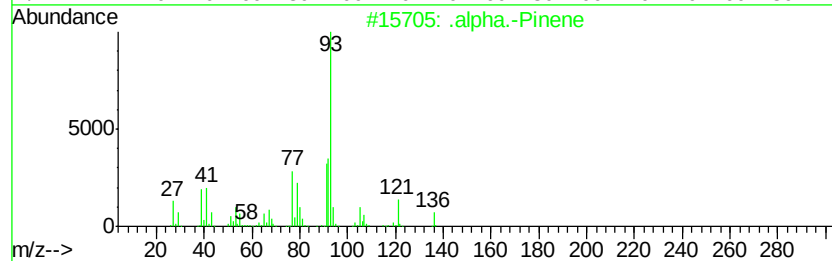
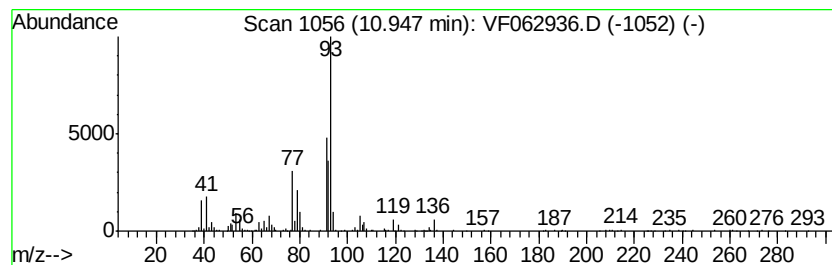
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.95	8.97 ug/l	328513	Chlorobenzene-d5	9.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
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	91
4	.gamma.-Terpinene	136	C10H16	000099-85-4	90
5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	80



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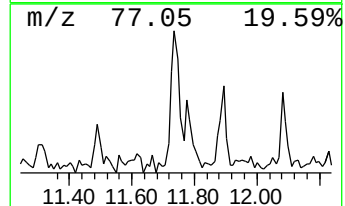
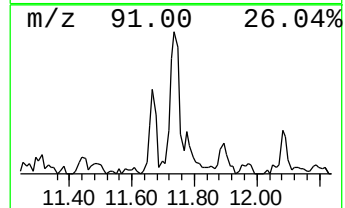
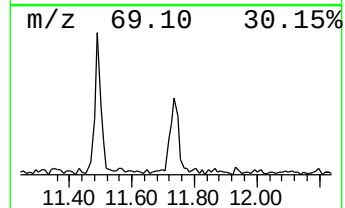
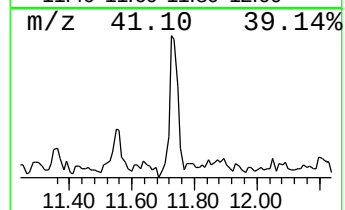
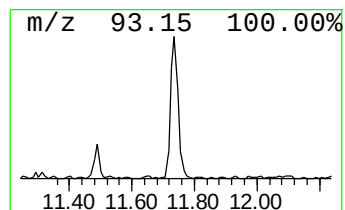
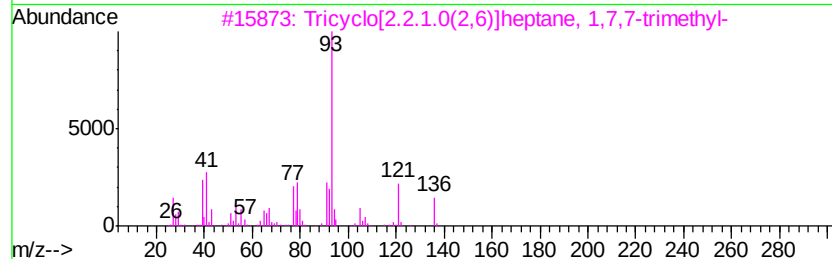
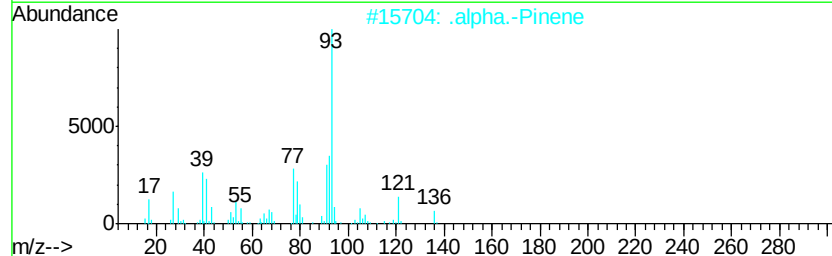
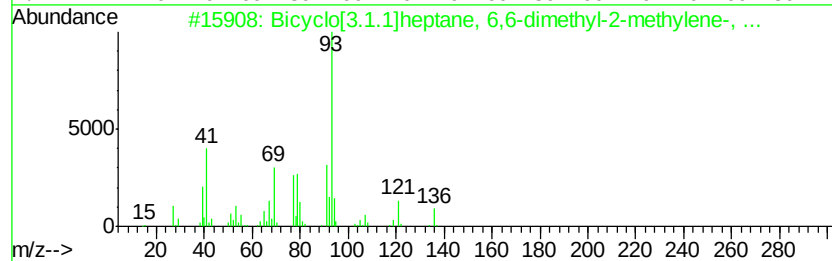
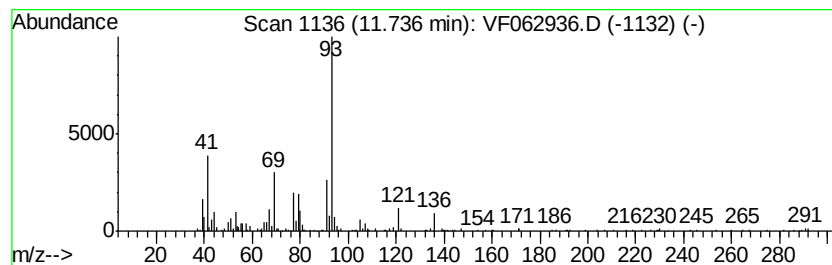
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.19 ug/l	173143	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
2		.alpha.-Pinene	136	C10H16	000080-56-8	90
3		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	90
4		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
5		(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90



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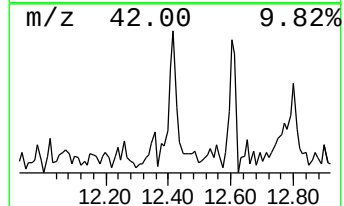
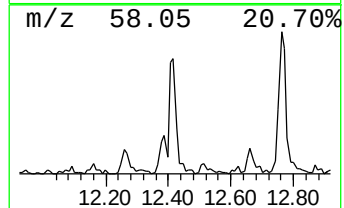
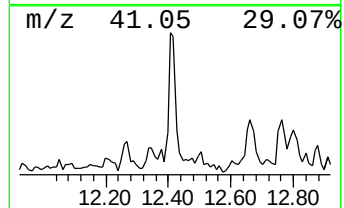
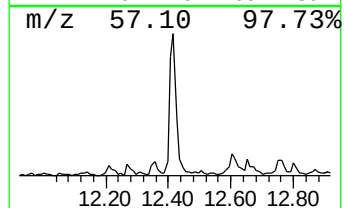
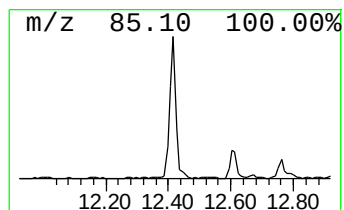
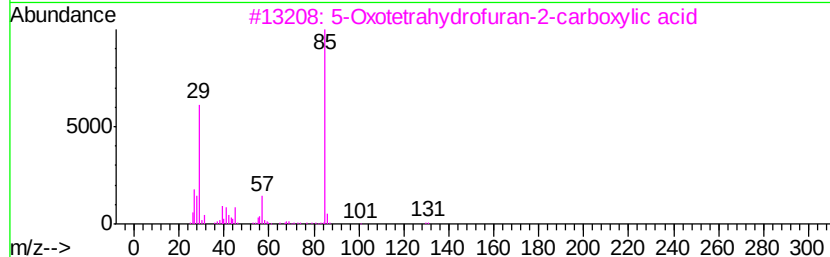
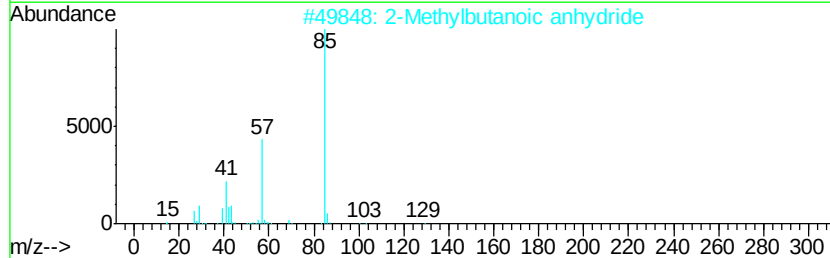
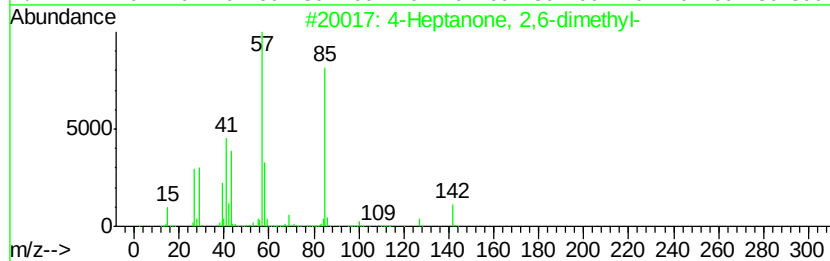
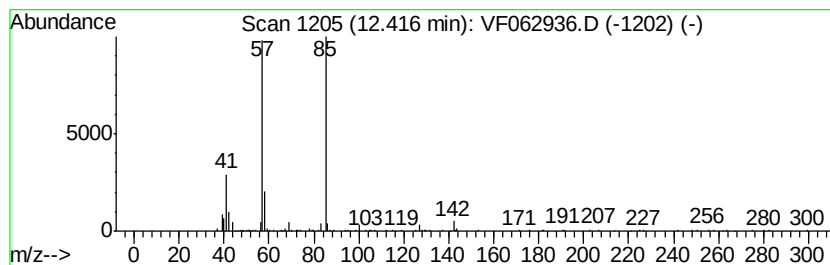
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Peak Number 4 4-Heptanone, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.42	6.80 ug/l	190316	1,4-Dichlorobenzene-d4	12.61	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
2	2-Methylbutanoic anhydride	186	C10H18O3	001468-39-9	50
3	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	50
4	Allyl isovalerate	142	C8H14O2	002835-39-4	39
5	5-Nonanone	142	C9H18O	000502-56-7	38



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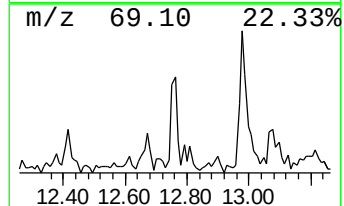
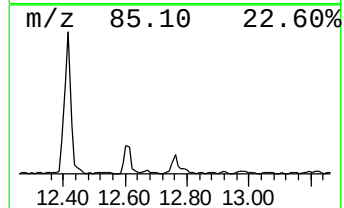
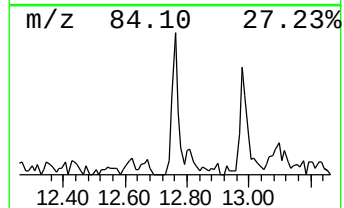
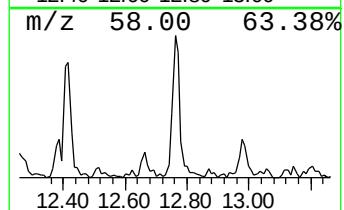
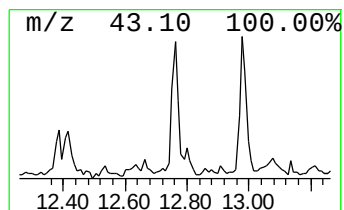
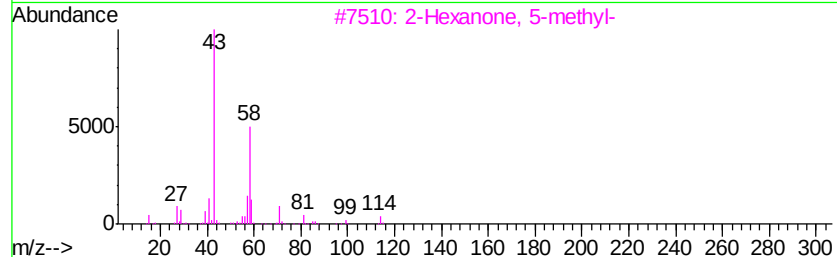
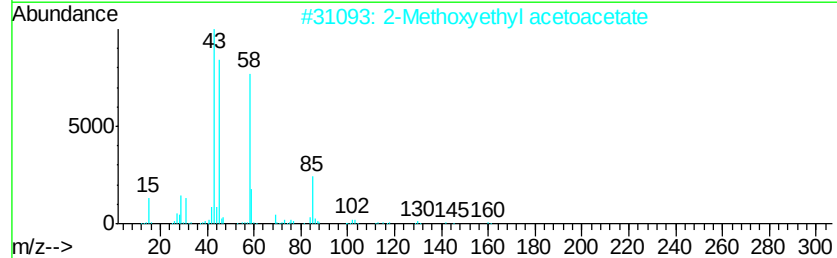
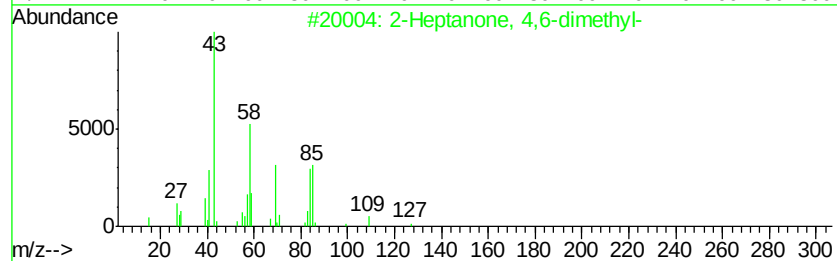
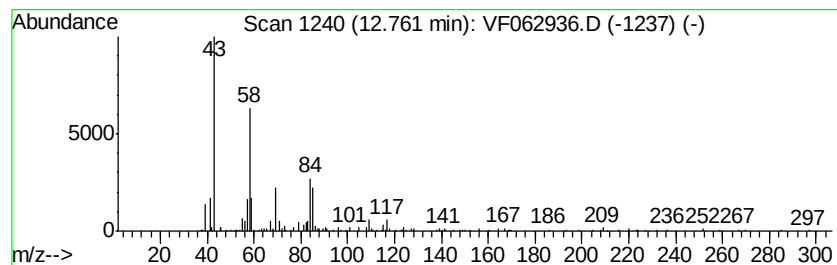
Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

Peak Number 5 2-Heptanone, 4,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.76	5.27 ug/l	147476	1,4-Dichlorobenzene-d4	12.61		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	53	
2	2-Methoxyethyl acetoacetate	160	C7H12O4	022502-03-0	50	
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	35	
4	2-Nonanone	142	C9H18O	000821-55-6	35	
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	32	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

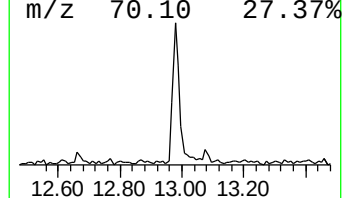
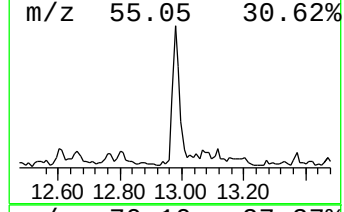
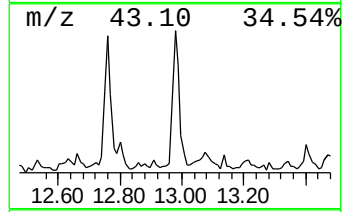
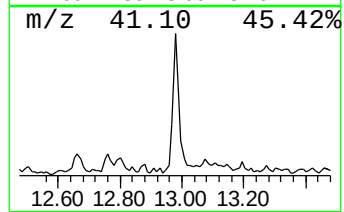
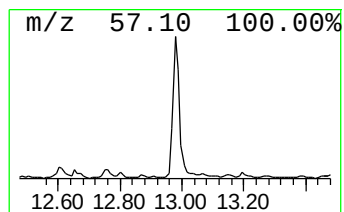
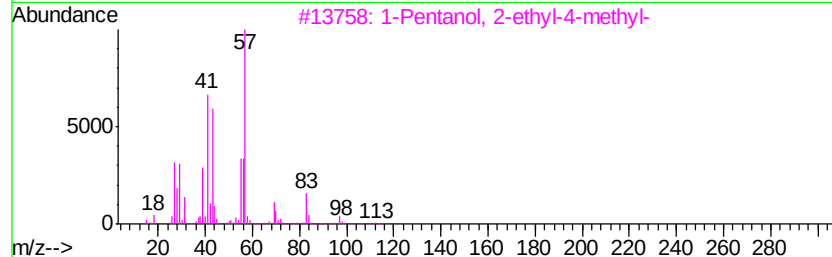
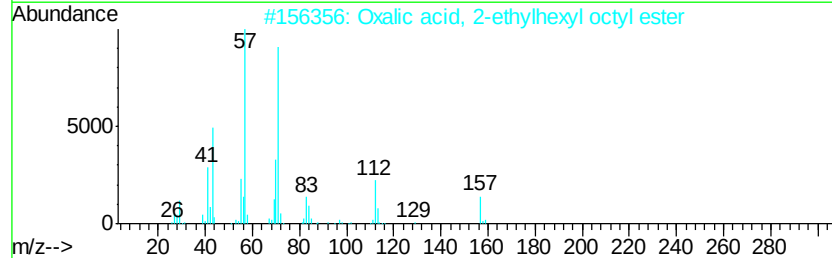
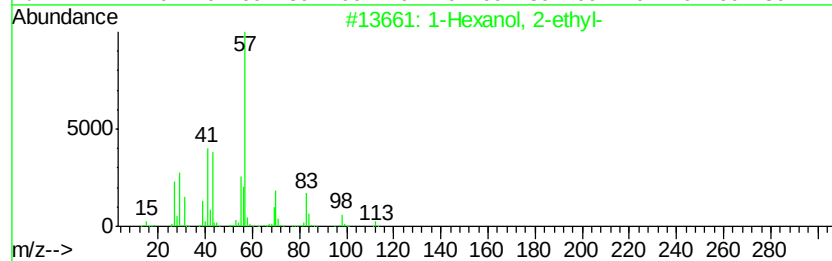
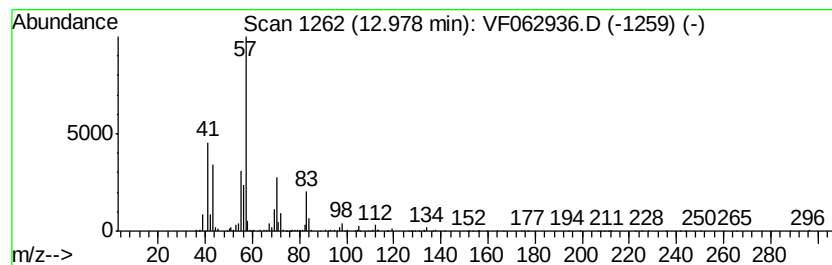
Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	12.95 ug/l	362432	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	64
2	Oxalic acid, 2-ethylhexyl octyl ...	314 C18H34O4	1000309-39-1	53
3	1-Pentanol, 2-ethyl-4-methyl-	130 C8H18O	000106-67-2	53
4	2-Ethylhexyl hydrogen maleate	228 C12H20O4	002370-71-0	53
5	2-Ethyl-1-hexanol, pentafluoropr...	276 C11H17F5O2	1000365-51-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

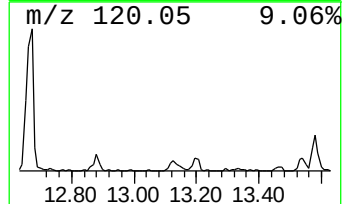
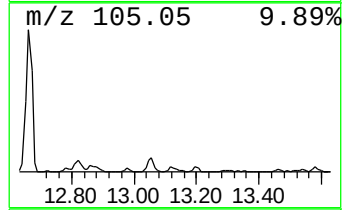
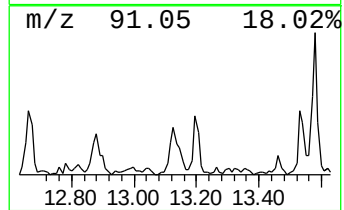
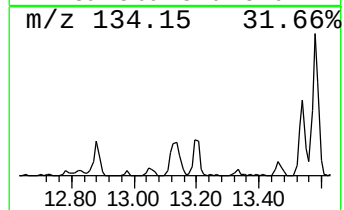
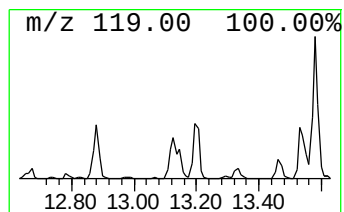
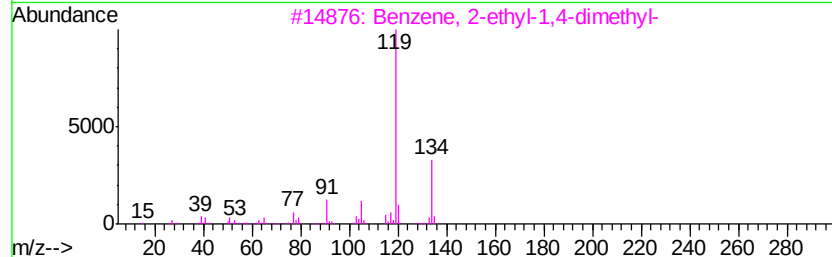
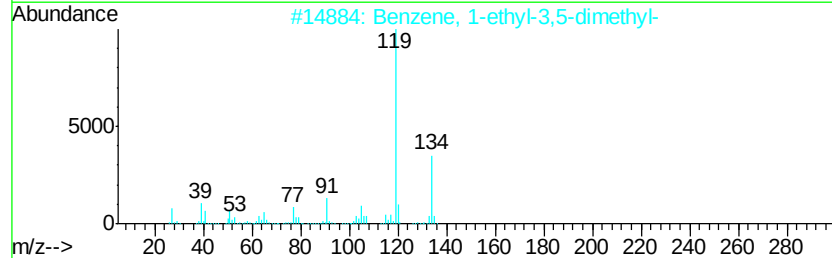
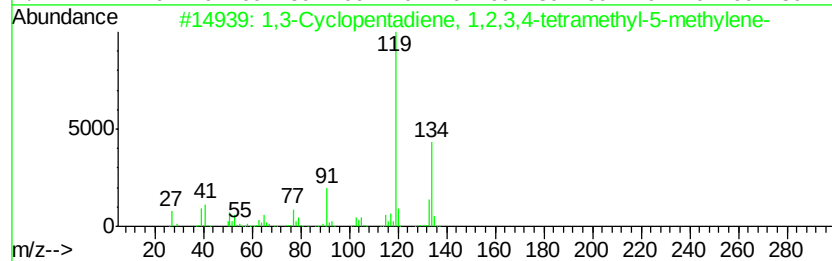
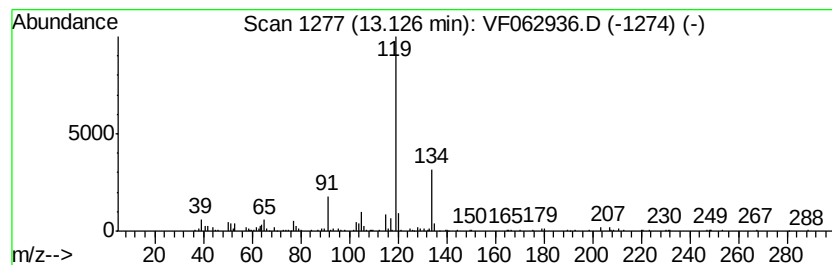
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	5.46 ug/l	152707	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

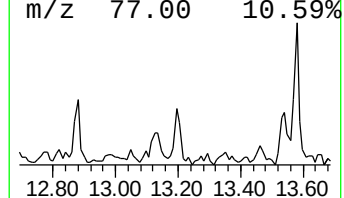
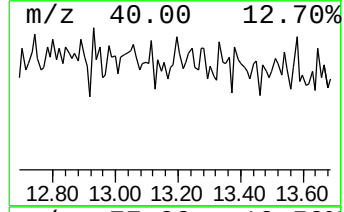
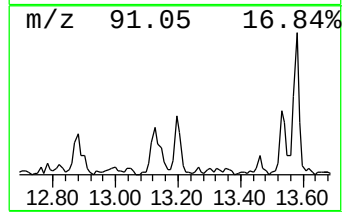
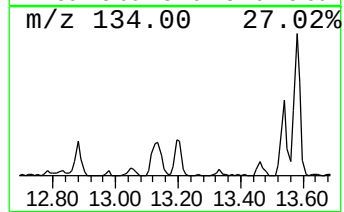
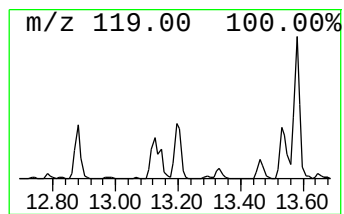
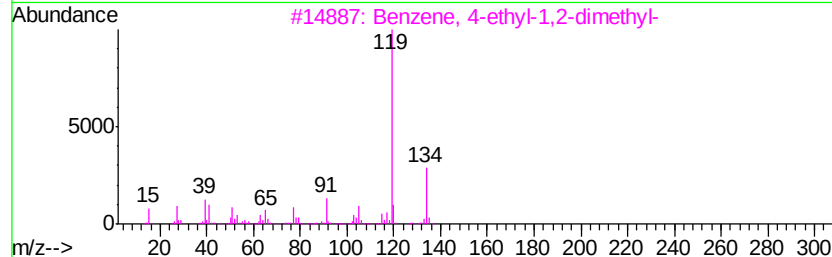
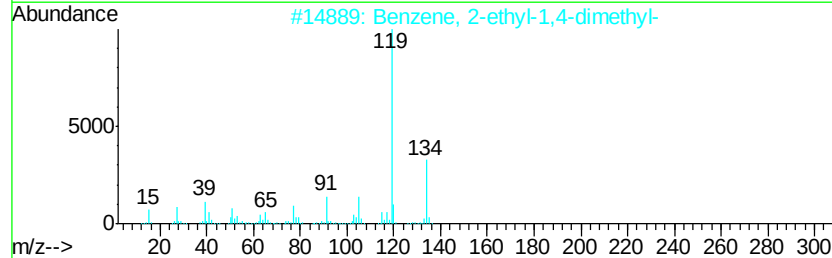
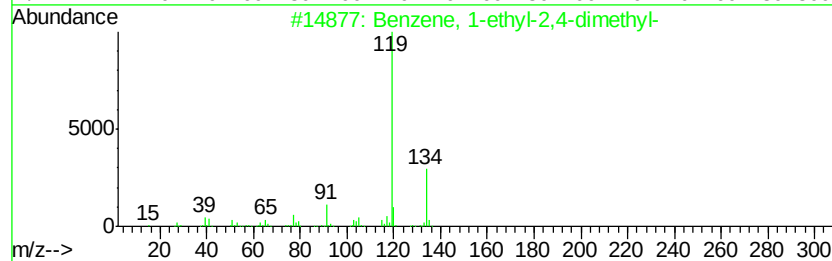
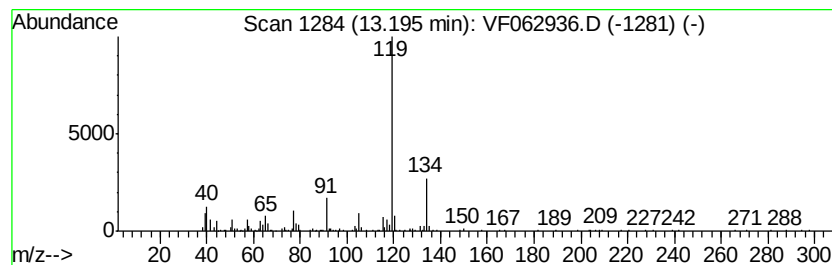
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	5.14 ug/l	143748	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
5		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

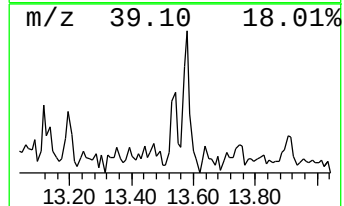
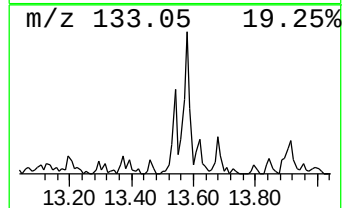
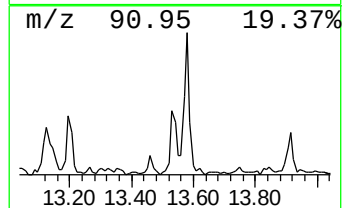
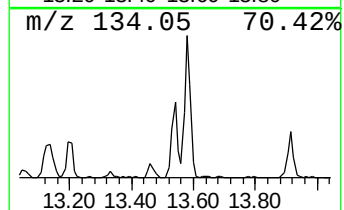
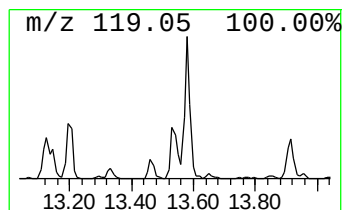
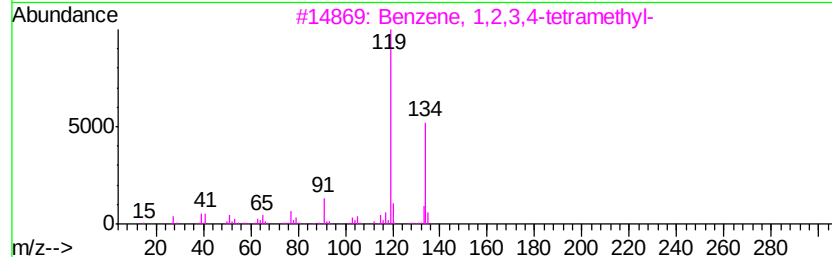
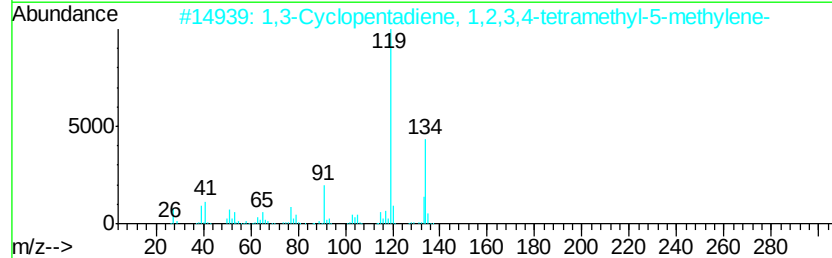
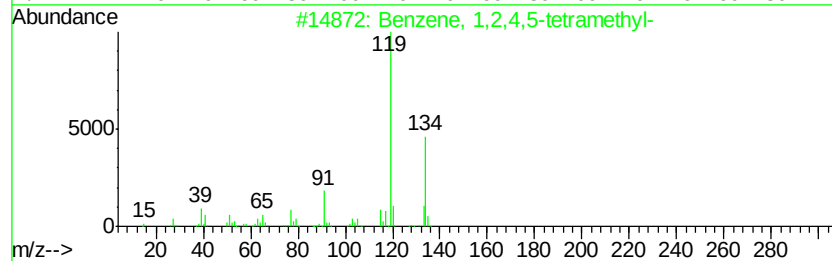
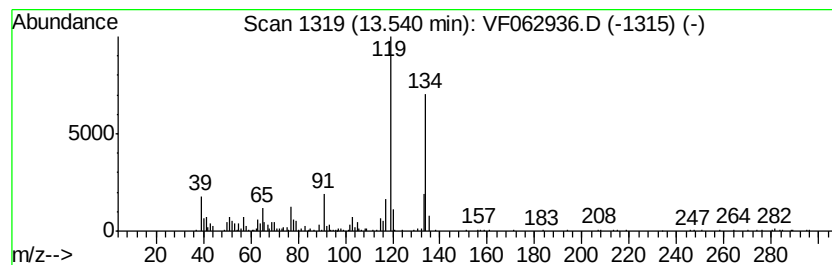
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	5.98 ug/l	167403	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

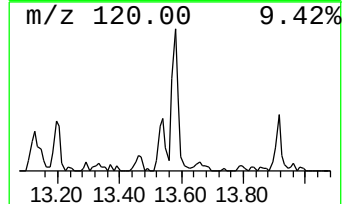
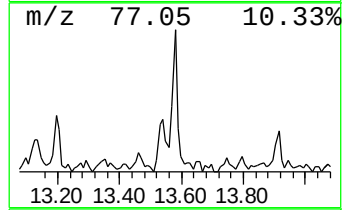
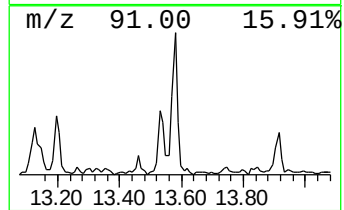
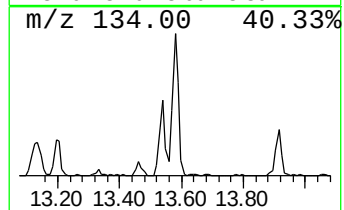
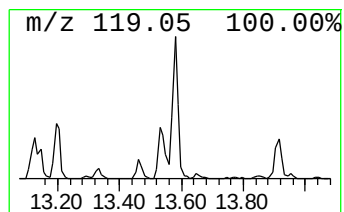
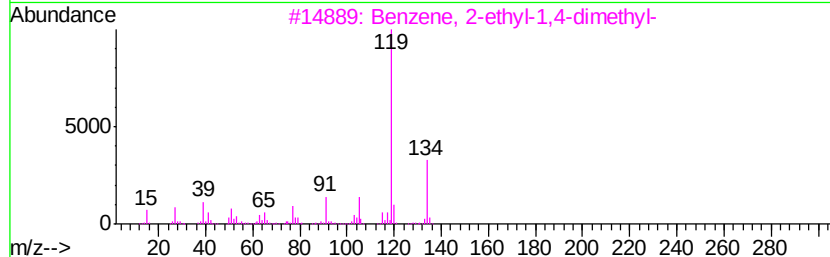
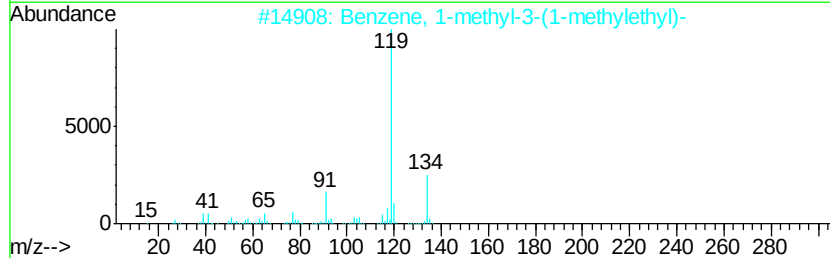
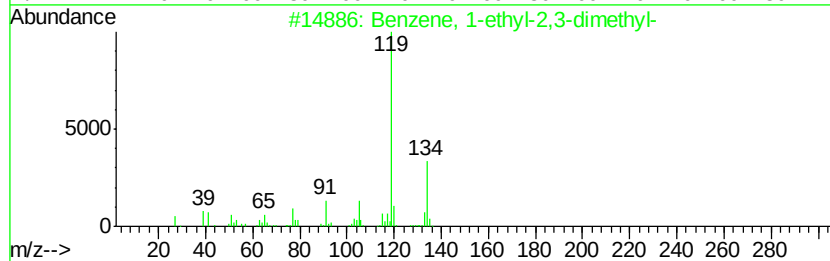
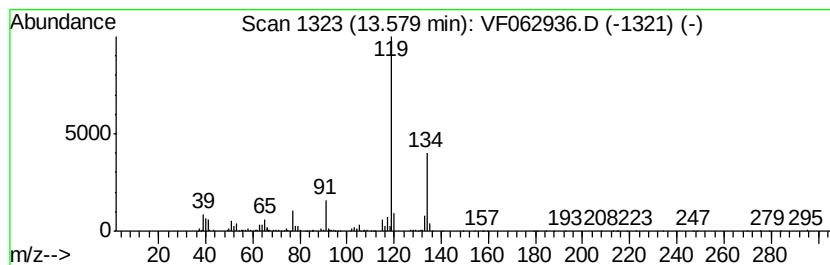
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	10.43 ug/l	291779	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF061219\
Data File : VF062936.D
Acq On : 12 Jun 2019 19:12
Operator : FY/SY
Sample : K3346-02
Misc : 4.48g/5mL/MSVOA_F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RICH-REC-ROAD-STONE-15

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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.alpha.-Pinene	10.95	9.0	ug/l	328513	3	9.90	1830920	50.0
Bicyclo[3.1.1]hep...	11.74	6.2	ug/l	173143	4	12.61	1398930	50.0
4-Heptanone, 2,6-...	12.42	6.8	ug/l	190316	4	12.61	1398930	50.0
2-Heptanone, 4,6-...	12.76	5.3	ug/l	147476	4	12.61	1398930	50.0
1-Hexanol, 2-ethyl-	12.98	12.9	ug/l	362432	4	12.61	1398930	50.0
1,3-Cyclopentadie...	13.13	5.5	ug/l	152707	4	12.61	1398930	50.0
Benzene, 1-ethyl-...	13.19	5.1	ug/l	143748	4	12.61	1398930	50.0
Benzene, 1,2,4,5-...	13.54	6.0	ug/l	167403	4	12.61	1398930	50.0
Benzene, 1-ethyl-...	13.58	10.4	ug/l	291779	4	12.61	1398930	50.0