

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060970.D
 Acq On : 10 Dec 2018 23:08
 Operator : VA/AP
 Sample : J6196-03RE
 Misc : 6.88g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-120718-BRE

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\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	1.071	43	45	50	rBV4	14826	25431	2.27%	0.278%
2	2.176	153	157	159	rBV3	9923	18101	1.61%	0.198%
3	2.235	159	163	173	rVB2	30376	96670	8.62%	1.058%
4	4.011	335	343	346	rBV	13132	41215	3.68%	0.451%
5	4.099	346	352	367	rVB	152924	498198	44.44%	5.454%
6	4.701	410	413	415	rBV	18906	24676	2.20%	0.270%
7	4.849	419	428	444	rBV2	313016	1120976	100.00%	12.272%
8	5.451	482	489	494	rBV6	4152	18378	1.64%	0.201%
9	5.589	497	503	512	rBV	362107	986683	88.02%	10.801%
10	7.009	641	647	651	rBV4	5229	15635	1.39%	0.171%
11	7.552	696	702	713	rVB	318194	794598	70.88%	8.699%
12	7.759	717	723	729	rBV5	3635	13406	1.20%	0.147%
13	8.450	789	793	800	rVV3	9359	24834	2.22%	0.272%
14	8.617	803	810	815	rBV7	5890	18111	1.62%	0.198%
15	8.963	839	845	850	rBV4	6070	21238	1.89%	0.232%
16	9.111	856	860	865	rVB3	4723	12502	1.12%	0.137%
17	9.771	921	927	937	rBV	424808	973284	86.82%	10.655%
18	10.225	967	973	975	rBV4	5118	12343	1.10%	0.135%
19	10.521	997	1003	1006	rBV7	4553	11492	1.03%	0.126%
20	10.659	1011	1017	1019	rBV3	7889	18608	1.66%	0.204%
21	10.709	1019	1022	1025	rVB	10955	20650	1.84%	0.226%
22	10.837	1030	1035	1043	rVB	82618	178750	15.95%	1.957%
23	11.212	1069	1073	1076	rBV4	11628	24420	2.18%	0.267%
24	11.409	1088	1093	1105	rBV	388600	687406	61.32%	7.525%
25	11.557	1105	1108	1115	rVV6	9871	30411	2.71%	0.333%
26	11.656	1115	1118	1121	rVV3	13361	27917	2.49%	0.306%
27	11.725	1121	1125	1128	rVV2	17386	35793	3.19%	0.392%
28	11.813	1131	1134	1138	rVB	22989	39401	3.51%	0.431%
29	12.011	1149	1154	1158	rVB3	30922	65504	5.84%	0.717%
30	12.198	1165	1173	1177	rBV8	12723	31225	2.79%	0.342%
31	12.287	1177	1182	1184	rBV5	5672	13324	1.19%	0.146%
32	12.425	1188	1196	1198	rBV3	18090	33474	2.99%	0.366%
33	12.455	1198	1199	1204	rVB4	12262	20654	1.84%	0.226%
34	12.543	1204	1208	1212	rBV	560882	849113	75.75%	9.295%

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35	12.602	1212	1214	1218	rVB	74591	108350	9.67%	1.186%
36	12.721	1222	1226	1229	rBV3	21172	52085	4.65%	0.570%
37	12.770	1229	1231	1233	rVV	28170	39497	3.52%	0.432%
38	12.829	1233	1237	1242	rVB2	40827	94877	8.46%	1.039%
39	12.928	1244	1247	1252	rBV5	12062	20626	1.84%	0.226%
40	12.997	1252	1254	1259	rVB	33049	50200	4.48%	0.550%
41	13.086	1259	1263	1267	rBV	19495	48449	4.32%	0.530%
42	13.145	1267	1269	1271	rBV	42860	63766	5.69%	0.698%
43	13.224	1275	1277	1278	rVV	25939	32891	2.93%	0.360%
44	13.244	1278	1279	1281	rVB	21106	23663	2.11%	0.259%
45	13.283	1281	1283	1286	rVB2	7691	12939	1.15%	0.142%
46	13.372	1290	1292	1294	rVB3	10467	12078	1.08%	0.132%
47	13.421	1294	1297	1302	rVB	21993	36481	3.25%	0.399%
48	13.490	1302	1304	1306	rBV	26101	32789	2.93%	0.359%
49	13.530	1306	1308	1311	rBV	44718	76035	6.78%	0.832%
50	13.569	1311	1312	1315	rVB	17477	21680	1.93%	0.237%
51	13.609	1315	1316	1318	rBV	10273	15808	1.41%	0.173%
52	13.707	1323	1326	1329	rBV2	51420	84861	7.57%	0.929%
53	13.757	1329	1331	1333	rVB3	16664	20515	1.83%	0.225%
54	13.806	1333	1336	1338	rBV	23999	33441	2.98%	0.366%
55	13.845	1338	1340	1345	rBV2	103702	219632	19.59%	2.404%
56	13.914	1345	1347	1349	rVB2	25836	37722	3.37%	0.413%
57	13.964	1349	1352	1358	rVB2	92135	142151	12.68%	1.556%
58	14.072	1358	1363	1366	rBV2	34050	77052	6.87%	0.844%
59	14.151	1366	1371	1373	rBV3	49442	96267	8.59%	1.054%
60	14.210	1373	1377	1383	rVB2	46487	102551	9.15%	1.123%
61	14.358	1387	1392	1394	rBV4	11708	27681	2.47%	0.303%
62	14.408	1394	1397	1400	rBV2	42818	67200	5.99%	0.736%
63	14.457	1400	1402	1405	rBV2	34944	57433	5.12%	0.629%
64	14.556	1410	1412	1413	rBV2	8922	11496	1.03%	0.126%
65	14.585	1413	1415	1419	rVB2	23815	33552	2.99%	0.367%
66	14.733	1427	1430	1433	rVB	126049	166410	14.85%	1.822%
67	14.822	1437	1439	1440	rBV	10311	12993	1.16%	0.142%
68	14.871	1440	1444	1449	rVV4	20194	55368	4.94%	0.606%
69	14.990	1453	1456	1461	rBV	71804	102796	9.17%	1.125%
70	15.108	1465	1468	1470	rBV2	51538	75262	6.71%	0.824%
71	15.157	1470	1473	1479	rVB5	14648	39778	3.55%	0.435%

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72	15.276	1482	1485	1487	rVV3	9499	17231	1.54%	0.189%
73	15.345	1487	1492	1495	rVV4	20374	47448	4.23%	0.519%
74	15.404	1495	1498	1501	rVB2	16099	24363	2.17%	0.267%
75	15.631	1519	1521	1527	rVV2	17452	34871	3.11%	0.382%

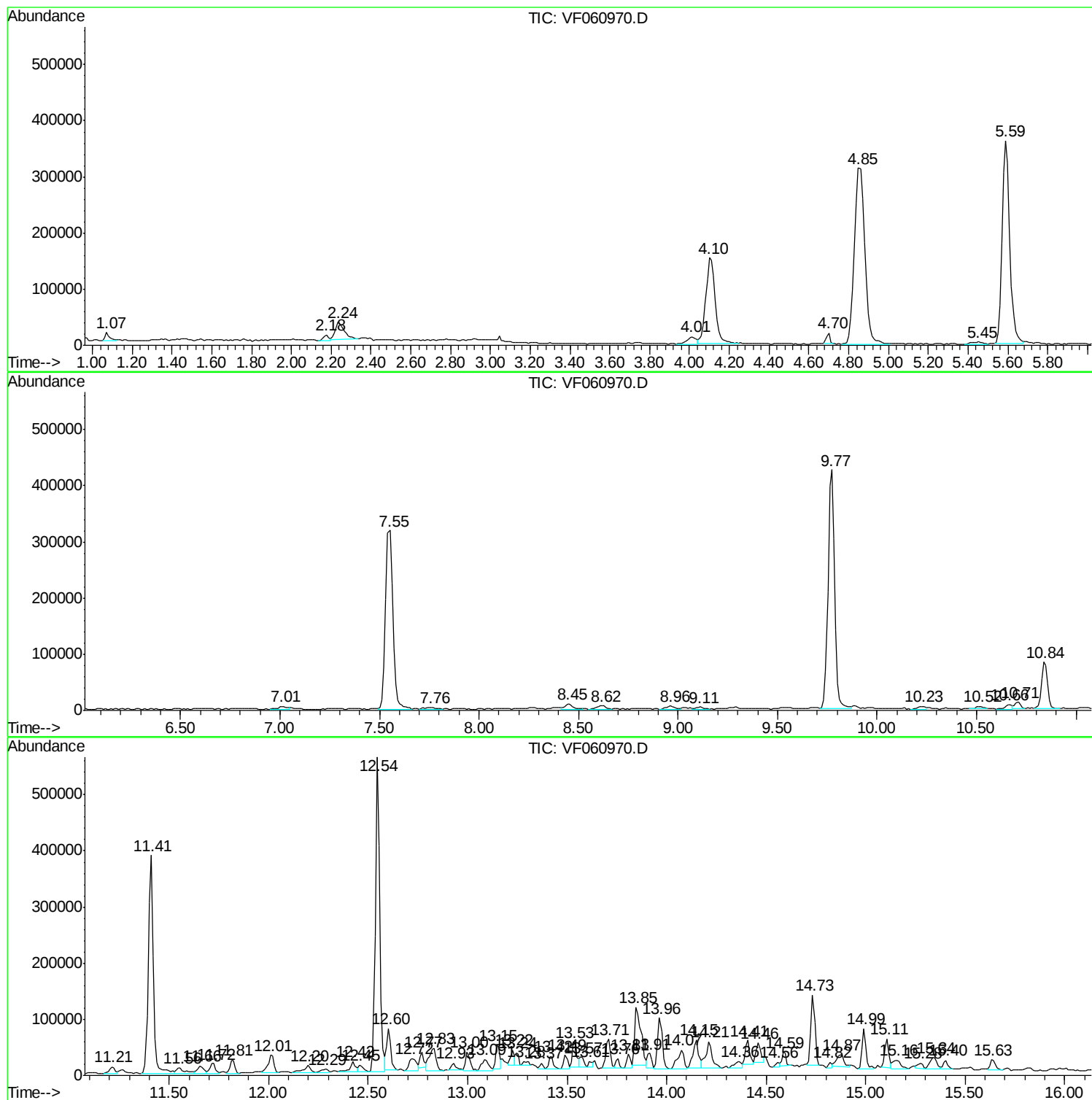
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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



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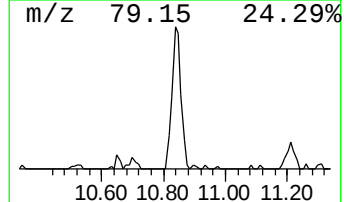
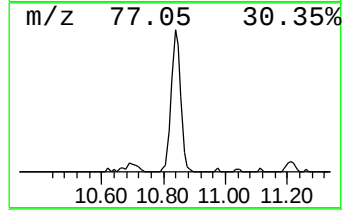
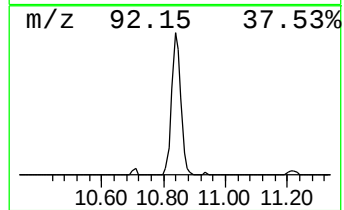
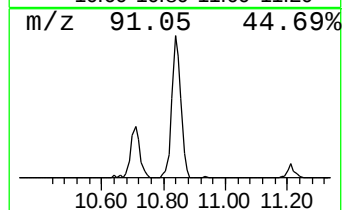
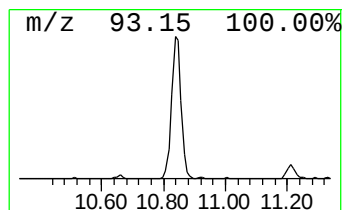
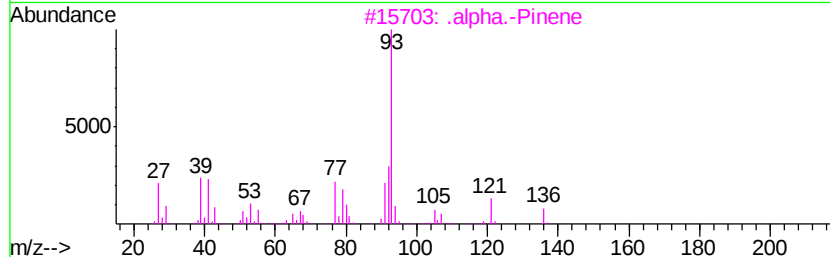
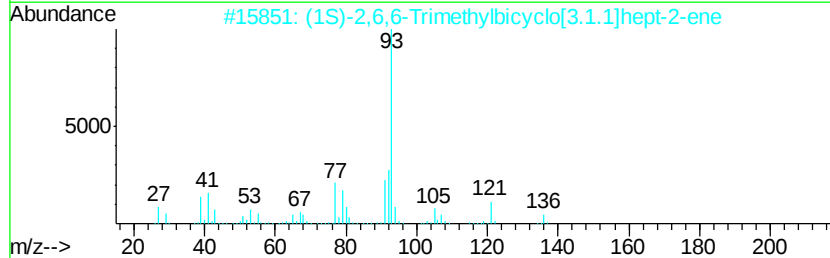
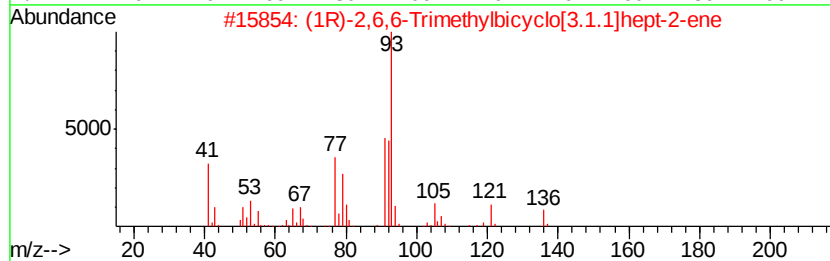
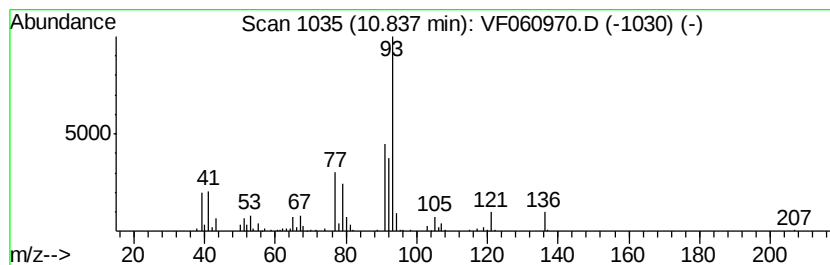
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	9.18 ug/l	178750	Chlorobenzene-d5	9.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
2		(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
3		.alpha.-Pinene	136	C10H16	000080-56-8	87
4		Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	87
5		.gamma.-Terpinene	136	C10H16	000099-85-4	83



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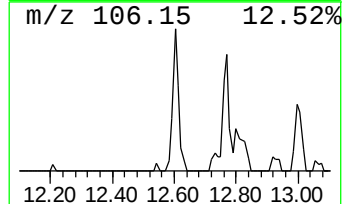
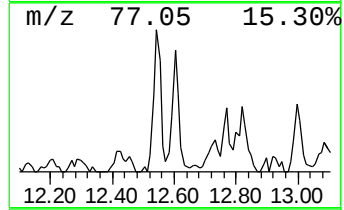
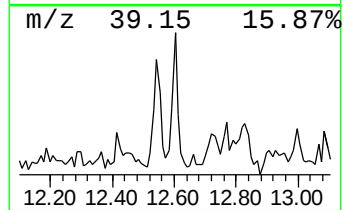
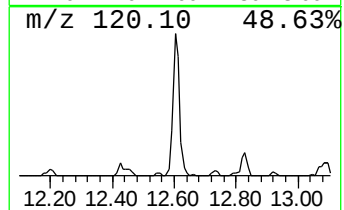
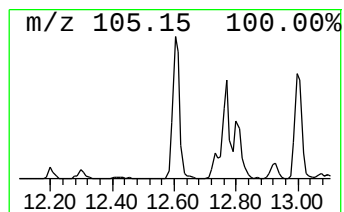
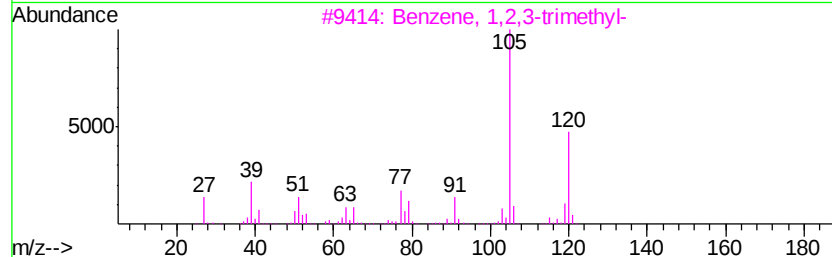
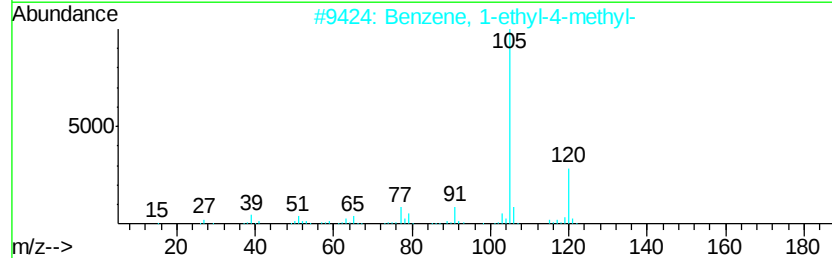
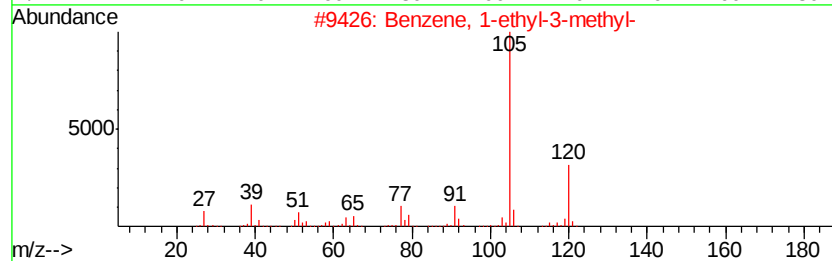
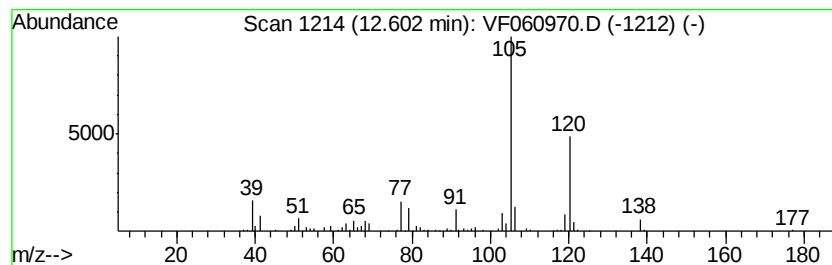
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Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	6.38 ug/l	108350	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90



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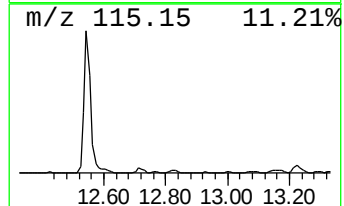
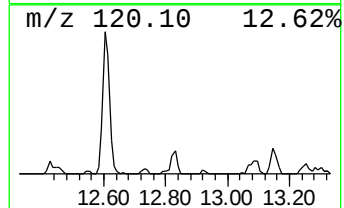
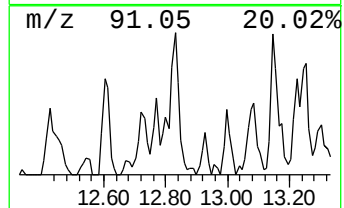
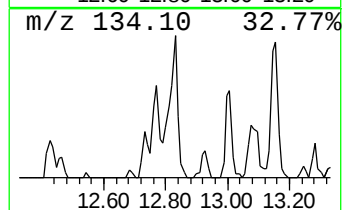
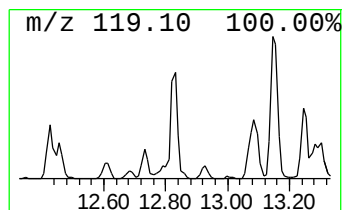
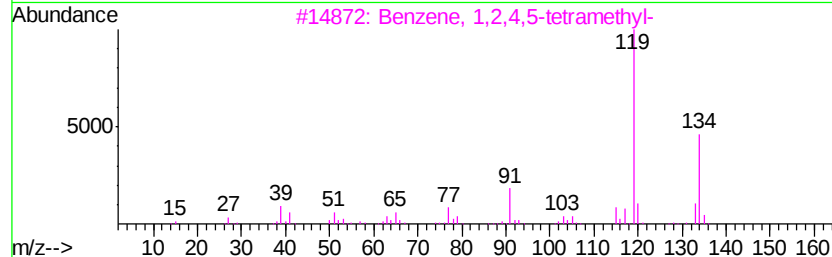
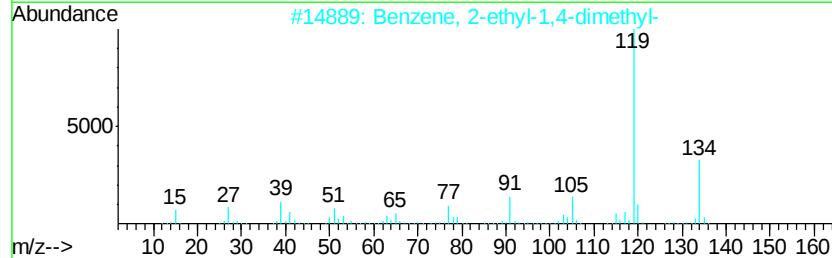
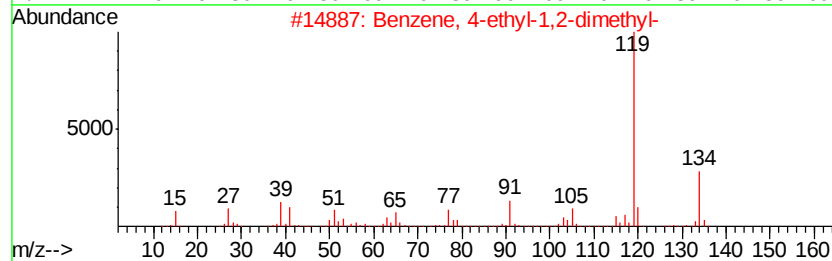
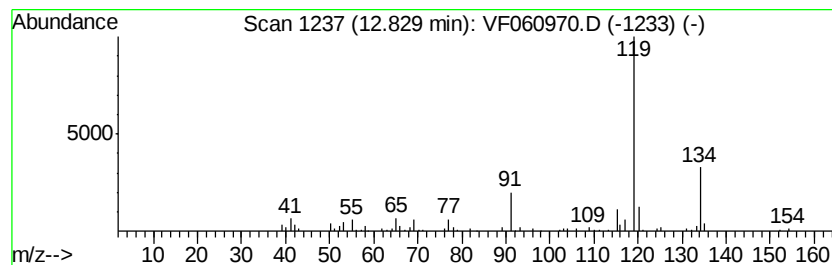
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	5.59 ug/l	94877	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



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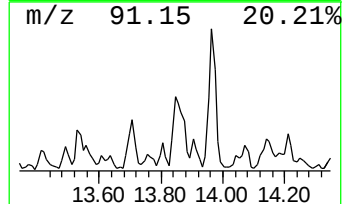
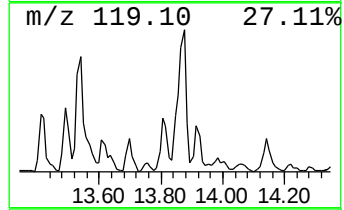
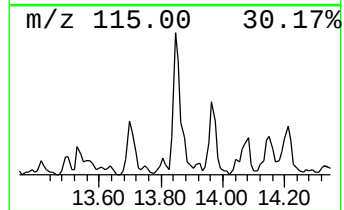
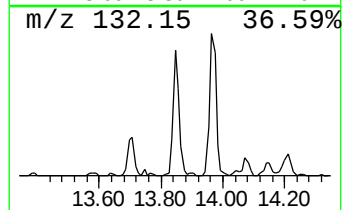
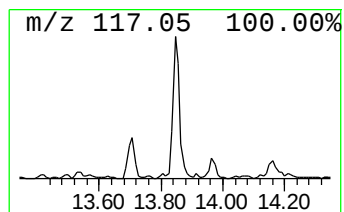
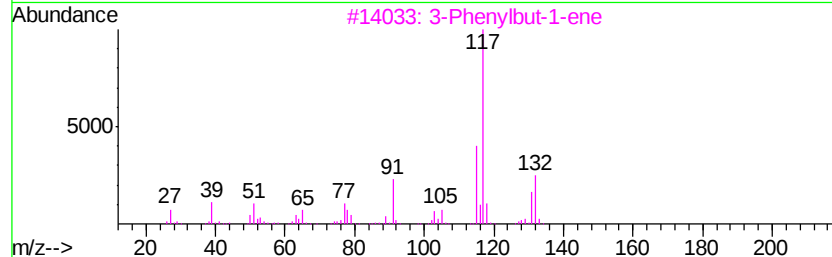
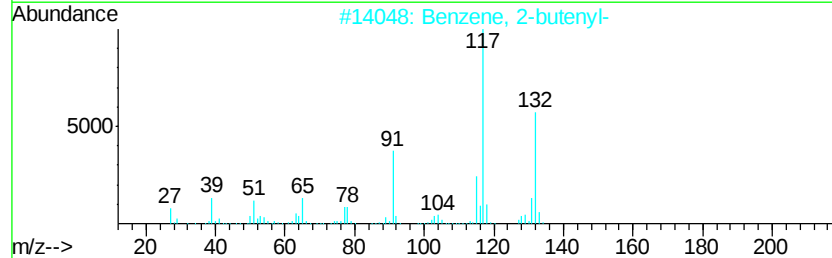
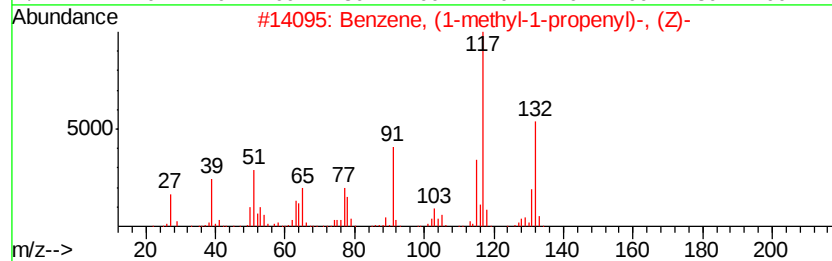
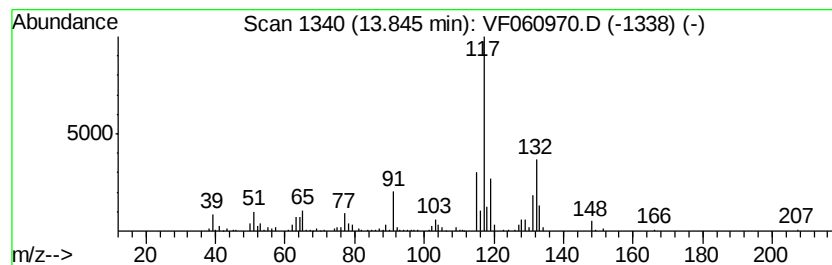
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, (1-methyl-1-propen... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	12.93 ug/l	219632	1,4-Dichlorobenzene-d4	12.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

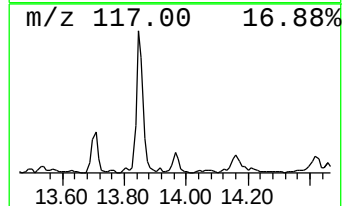
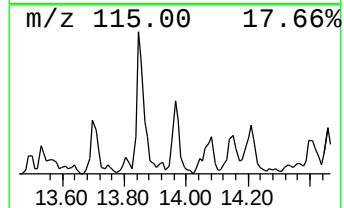
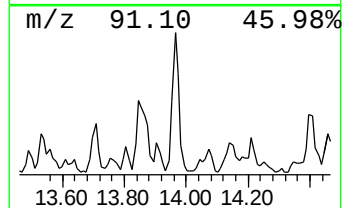
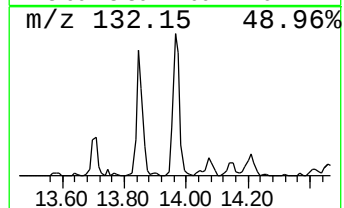
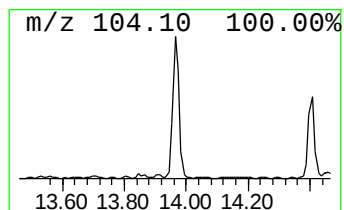
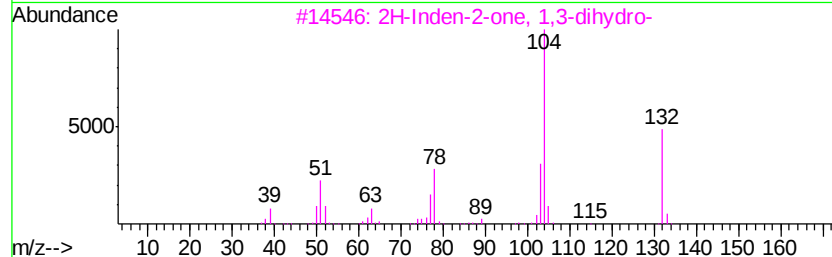
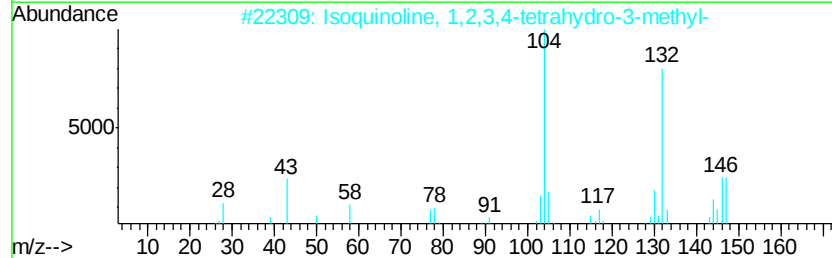
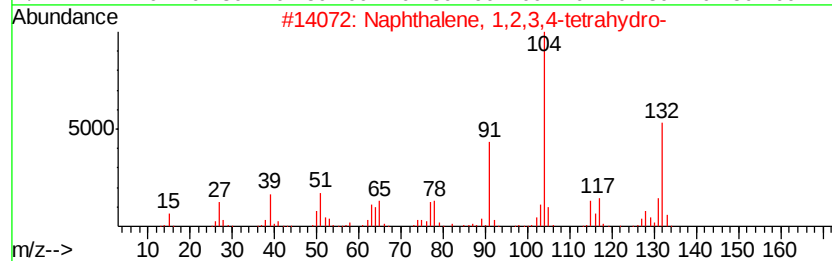
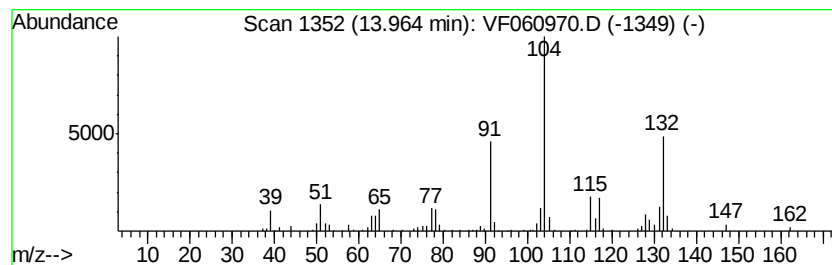
Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-BRE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.96	8.37 ug/l	142151	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	97
2	Isoquinoline, 1,2,3,4-tetrahydro...	147	C10H13N	029726-60-1	72
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
4	Benzene, 4-hexenyl-	160	C12H16	023086-43-3	47
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-BRE

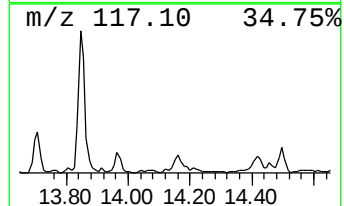
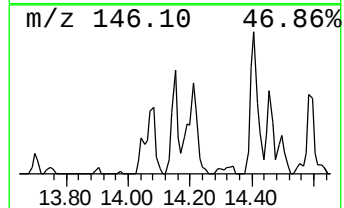
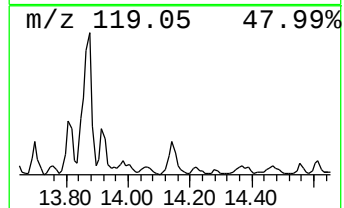
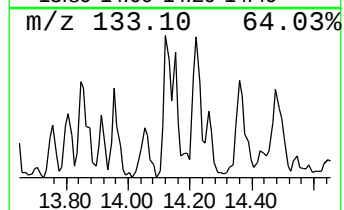
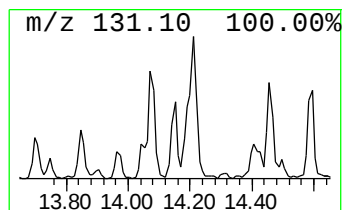
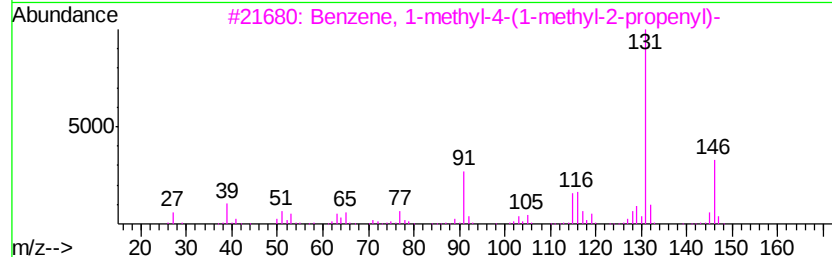
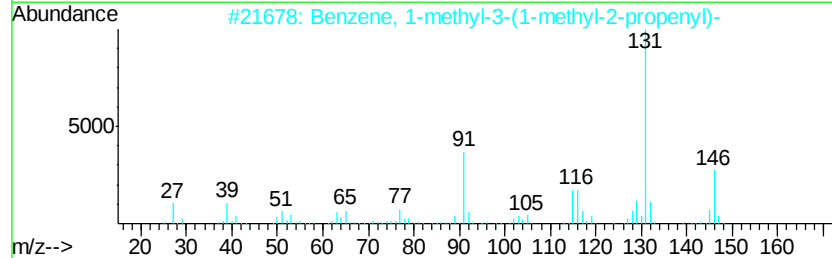
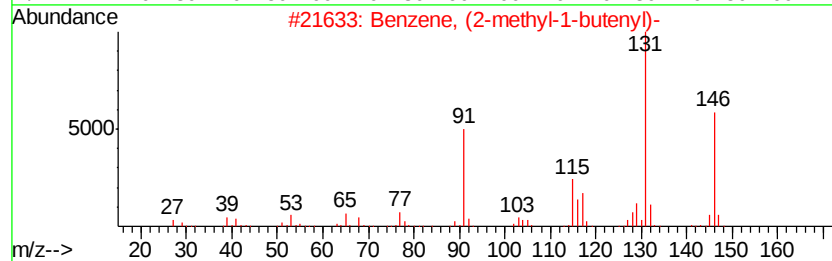
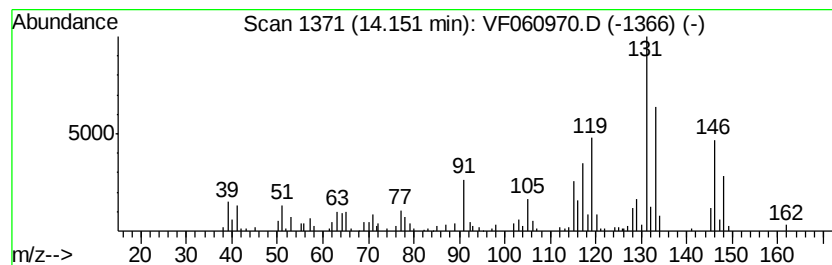
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, (2-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	5.67 ug/l	96267	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
2		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	60
3		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	60
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-BRE

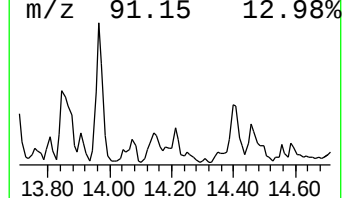
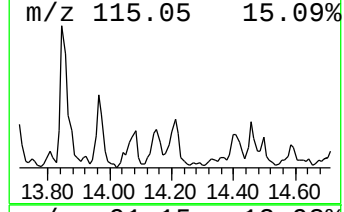
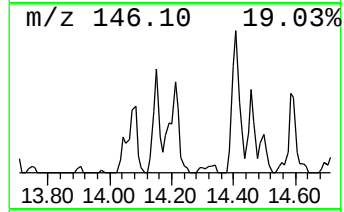
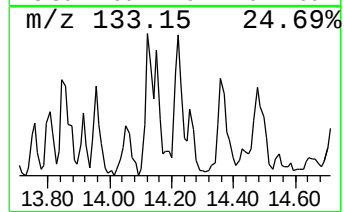
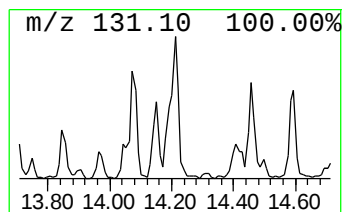
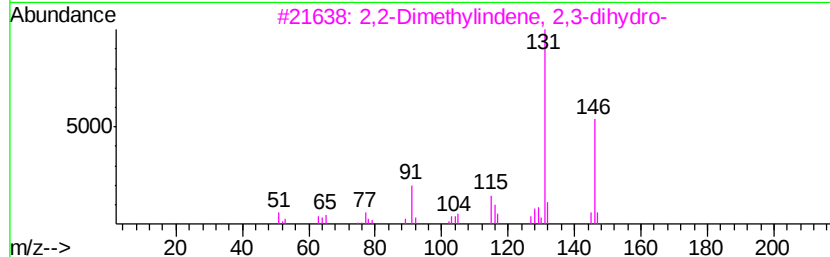
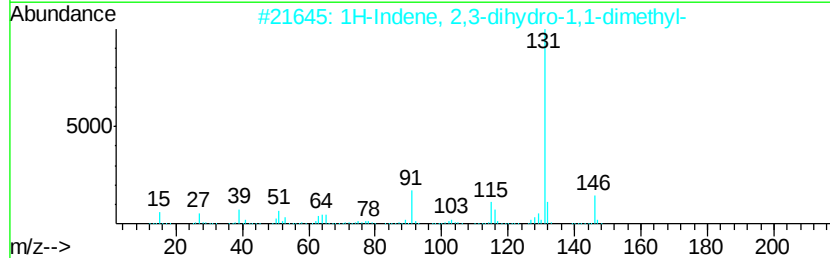
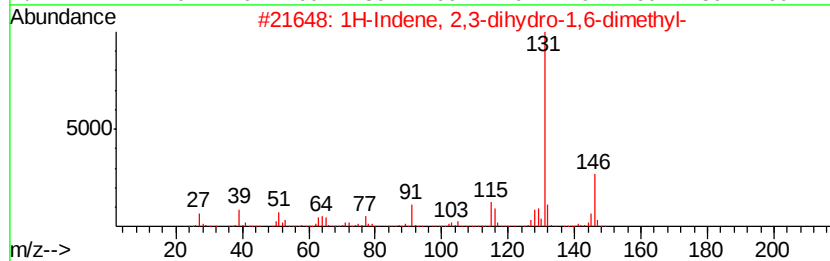
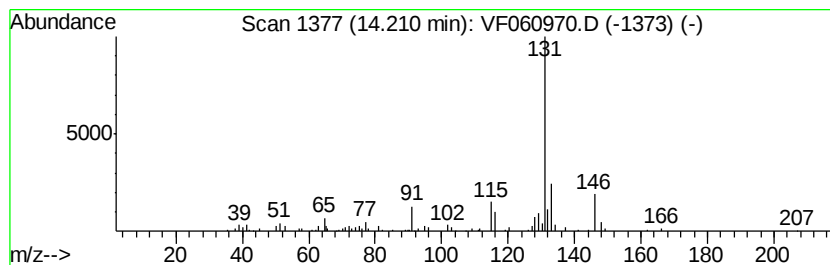
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	6.04 ug/l	102551	1,4-Dichlorobenzene-d4	12.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
2			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	81
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	72
4			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	72
5			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

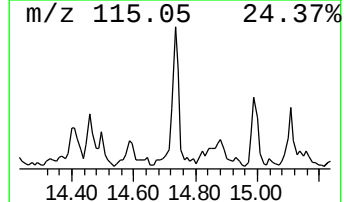
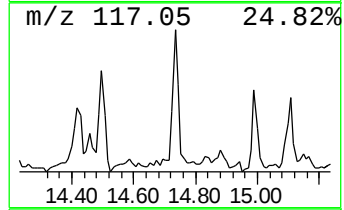
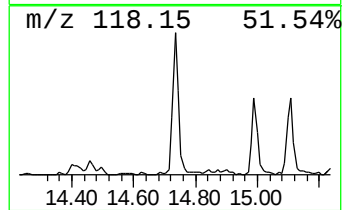
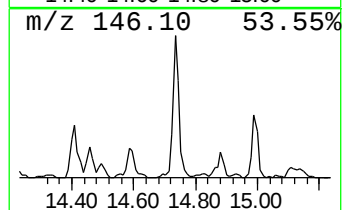
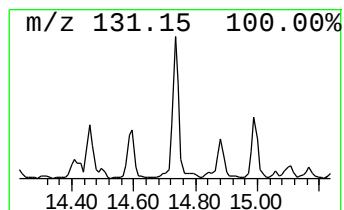
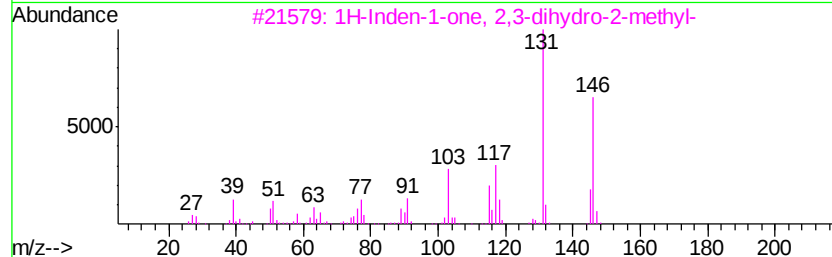
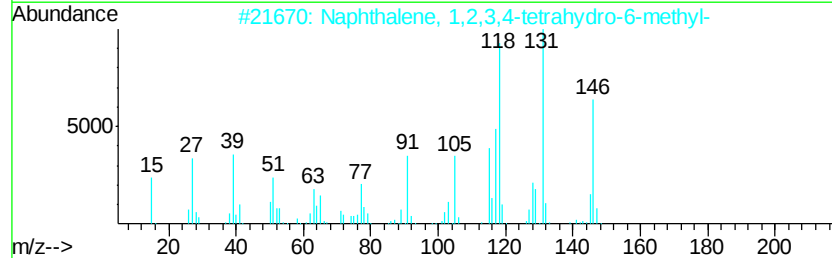
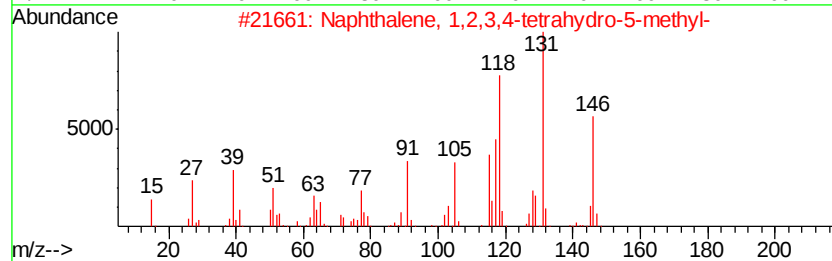
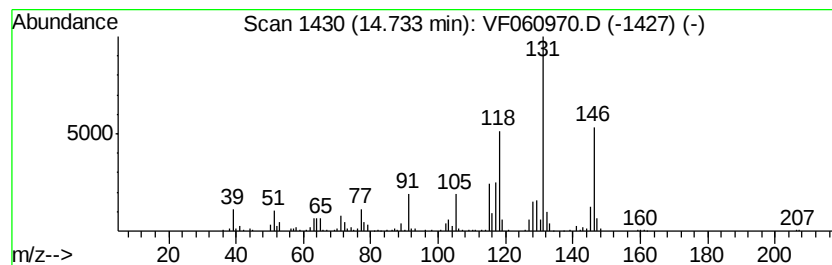
Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-BRE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.73	9.80 ug/l	166410	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	97
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	70
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
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Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

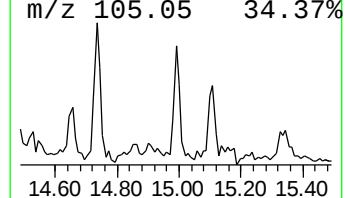
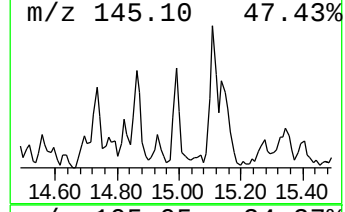
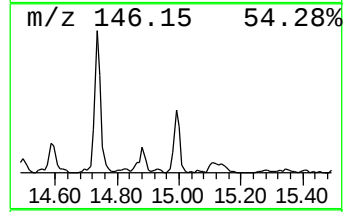
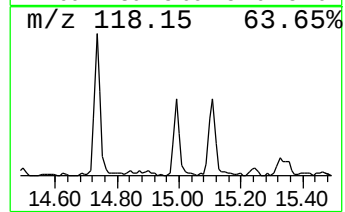
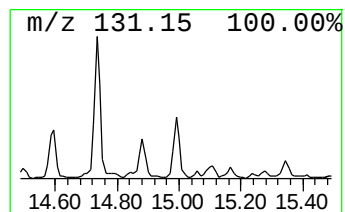
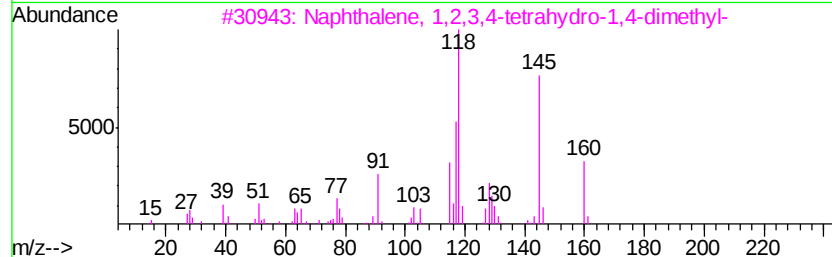
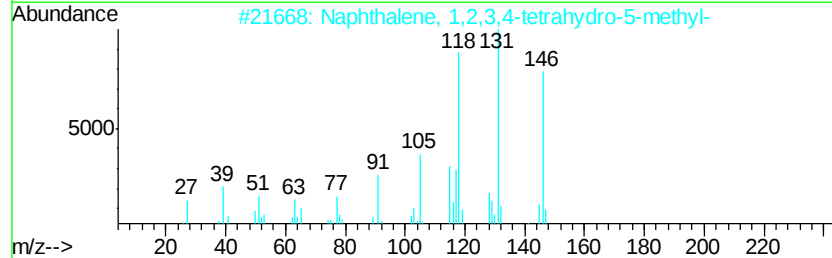
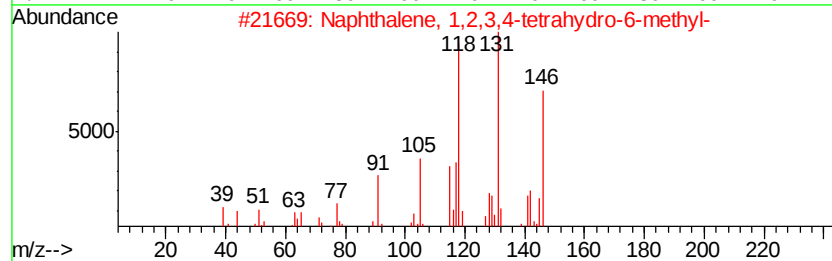
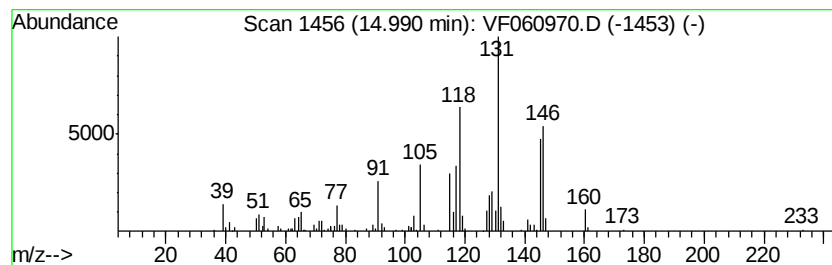
Instrument :
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ClientSampleId :
EO-03-120718-BRE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	6.05 ug/l	102796	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5	95
3	Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6	86
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146 C8H11BN2	074663-81-3	76
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060970.D
Acq On : 10 Dec 2018 23:08
Operator : VA/AP
Sample : J6196-03RE
Misc : 6.88g/5mL/MSVOA-F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EO-03-120718-BRE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.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
(1R)-2,6,6-Trimet...	10.84	9.2	ug/l	178750	3	9.77	973284	50.0
Benzene, 1-ethyl-...	12.60	6.4	ug/l	108350	4	12.54	849113	50.0
Benzene, 4-ethyl-...	12.83	5.6	ug/l	94877	4	12.54	849113	50.0
Benzene, (1-methy...	13.85	12.9	ug/l	219632	4	12.54	849113	50.0
Naphthalene, 1,2,...	13.96	8.4	ug/l	142151	4	12.54	849113	50.0
Benzene, (2-methy...	14.15	5.7	ug/l	96267	4	12.54	849113	50.0
1H-Indene, 2,3-di...	14.21	6.0	ug/l	102551	4	12.54	849113	50.0
Naphthalene, 1,2,...	14.73	9.8	ug/l	166410	4	12.54	849113	50.0
Naphthalene, 1,2,...	14.99	6.1	ug/l	102796	4	12.54	849113	50.0