

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060224.D
 Acq On : 7 Sep 2018 21:37
 Operator : VA/AP
 Sample : J4803-07
 Misc : 5.54g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-G5

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\82F090618S.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	4.286	364	371	386	rBV	101644	320422	2.07%	0.135%
2	5.035	437	447	460	rBV2	239268	839558	5.43%	0.353%
3	5.765	514	521	532	rBV	250613	662648	4.29%	0.278%
4	7.707	711	718	726	rBV	180394	423106	2.74%	0.178%
5	8.604	798	809	816	rBV3	61508	208379	1.35%	0.088%
6	8.771	820	826	831	rBV	167029	438710	2.84%	0.184%
7	9.116	854	861	865	rBV2	177918	482060	3.12%	0.203%
8	9.678	910	918	924	rBV3	128679	424594	2.75%	0.178%
9	9.836	930	934	937	rBV3	104978	261347	1.69%	0.110%
10	9.915	937	942	945	rVV3	753925	2000138	12.94%	0.840%
11	9.964	945	947	953	rVB	226907	498589	3.23%	0.209%
12	10.122	958	963	967	rVB	120379	299983	1.94%	0.126%
13	10.210	967	972	978	rBV	124006	322023	2.08%	0.135%
14	10.368	981	988	994	rBV3	834585	2735094	17.70%	1.149%
15	10.477	996	999	1005	rVB2	332079	745109	4.82%	0.313%
16	10.644	1005	1016	1022	rBV2	1189031	3443381	22.28%	1.447%
17	10.782	1022	1030	1038	rBV4	1574662	4935667	31.93%	2.074%
18	10.900	1038	1042	1043	rBV3	414328	835760	5.41%	0.351%
19	10.940	1043	1046	1049	rVB	758234	1255761	8.12%	0.528%
20	10.989	1049	1051	1054	rVB3	254440	419702	2.72%	0.176%
21	11.058	1054	1058	1062	rVB2	503750	1220208	7.89%	0.513%
22	11.157	1062	1068	1073	rBV4	1018694	2977639	19.26%	1.251%
23	11.226	1073	1075	1076	rBV	174136	245843	1.59%	0.103%
24	11.255	1076	1078	1080	rVB2	165034	228973	1.48%	0.096%
25	11.374	1080	1090	1095	rVB5	2616287	7706178	49.86%	3.238%
26	11.433	1095	1096	1098	rBV2	181537	256799	1.66%	0.108%
27	11.492	1098	1102	1103	rBV2	651830	1232288	7.97%	0.518%
28	11.541	1103	1107	1110	rVV4	642585	1535667	9.94%	0.645%
29	11.590	1110	1112	1115	rVB4	857474	1489846	9.64%	0.626%
30	11.650	1115	1118	1121	rVB	1899399	3032712	19.62%	1.274%
31	11.709	1121	1124	1128	rVB2	742858	1361674	8.81%	0.572%
32	11.778	1128	1131	1133	rBV2	864126	1519627	9.83%	0.639%
33	11.827	1133	1136	1138	rBV2	1003219	1749106	11.32%	0.735%
34	11.866	1138	1140	1142	rVB2	969326	1315405	8.51%	0.553%

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35	11.916	1142	1145	1148	rVB	3733040	5936944	38.41%	2.495%
36	11.975	1148	1151	1154	rBV2	868818	1719076	11.12%	0.722%
37	12.044	1154	1158	1160	rBV3	1265296	3335404	21.58%	1.401%
38	12.083	1160	1162	1167	rVB	3479625	6570700	42.51%	2.761%
39	12.162	1167	1170	1174	rBV3	912353	2241264	14.50%	0.942%
40	12.261	1174	1180	1181	rBV4	1406245	3895700	25.20%	1.637%
41	12.290	1181	1183	1187	rVB2	1972071	3057436	19.78%	1.285%
42	12.369	1188	1191	1194	rVB3	1402703	2679966	17.34%	1.126%
43	12.418	1194	1196	1198	rBV2	935138	1652822	10.69%	0.694%
44	12.468	1198	1201	1203	rBV2	693005	1328201	8.59%	0.558%
45	12.517	1203	1206	1209	rVB	3352019	4809677	31.12%	2.021%
46	12.576	1209	1212	1214	rBV3	765647	1076528	6.96%	0.452%
47	12.694	1220	1224	1227	rBV	7026229	11504324	74.43%	4.834%
48	12.763	1229	1231	1234	rVV	1367426	2546366	16.47%	1.070%
49	12.813	1234	1236	1238	rVV	1477497	2618066	16.94%	1.100%
50	12.852	1238	1240	1243	rVV2	1864403	3419296	22.12%	1.437%
51	12.911	1243	1246	1251	rVB	8607240	15456347	100.00%	6.494%
52	12.980	1251	1253	1254	rBV	347188	428497	2.77%	0.180%
53	13.010	1254	1256	1260	rBV2	2685050	4352005	28.16%	1.829%
54	13.089	1260	1264	1268	rVB	3899450	7362617	47.63%	3.094%
55	13.197	1268	1275	1276	rBV3	1480407	3953024	25.58%	1.661%
56	13.237	1276	1279	1281	rVB	5080002	7440852	48.14%	3.126%
57	13.276	1281	1283	1285	rBV2	660180	956243	6.19%	0.402%
58	13.325	1285	1288	1291	rBV3	3704466	6079363	39.33%	2.554%
59	13.365	1291	1292	1294	rVV	1498735	2038146	13.19%	0.856%
60	13.404	1294	1296	1299	rVB2	2787290	4049390	26.20%	1.701%
61	13.453	1299	1301	1303	rBV	2409599	3428927	22.18%	1.441%
62	13.493	1303	1305	1307	rBV	3411785	3852560	24.93%	1.619%
63	13.532	1307	1309	1311	rVB	547672	885787	5.73%	0.372%
64	13.572	1311	1313	1315	rVB	3639589	4319506	27.95%	1.815%
65	13.621	1315	1318	1320	rBV	5829443	10218646	66.11%	4.294%
66	13.651	1320	1321	1323	rVB2	2987584	2727358	17.65%	1.146%
67	13.690	1323	1325	1326	rBV	2184227	2729361	17.66%	1.147%
68	13.779	1331	1334	1336	rBV	3189015	5009929	32.41%	2.105%
69	13.828	1336	1339	1341	rVB	1650690	2485864	16.08%	1.045%
70	13.877	1341	1344	1346	rBV	3115224	4732598	30.62%	1.989%
71	13.946	1346	1351	1353	rVV2	5546435	13669131	88.44%	5.743%

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72	13.986	1353	1355	1357	rVV2	2751724	3838131	24.83%	1.613%
73	14.025	1357	1359	1363	rVV2	1116896	2359935	15.27%	0.992%
74	14.074	1363	1364	1366	rVB	479262	414238	2.68%	0.174%
75	14.124	1366	1369	1370	rBV2	746465	1356377	8.78%	0.570%
76	14.143	1370	1371	1374	rVB	1153556	1210525	7.83%	0.509%
77	14.212	1374	1378	1382	rBV4	3228422	8577590	55.50%	3.604%
78	14.281	1383	1385	1389	rVB	2333032	3307208	21.40%	1.390%
79	14.360	1391	1393	1396	rVB3	416544	533357	3.45%	0.224%
80	14.429	1397	1400	1402	rVB	565232	810569	5.24%	0.341%
81	14.469	1402	1404	1408	rVB2	273361	461172	2.98%	0.194%
82	14.548	1408	1412	1417	rVB4	481323	1526099	9.87%	0.641%
83	14.626	1417	1420	1421	rBV2	144397	219113	1.42%	0.092%
84	14.804	1434	1438	1440	rVB2	452672	711483	4.60%	0.299%
85	14.922	1444	1450	1456	rVB4	86087	311092	2.01%	0.131%
86	15.050	1460	1463	1469	rVB	236315	366006	2.37%	0.154%

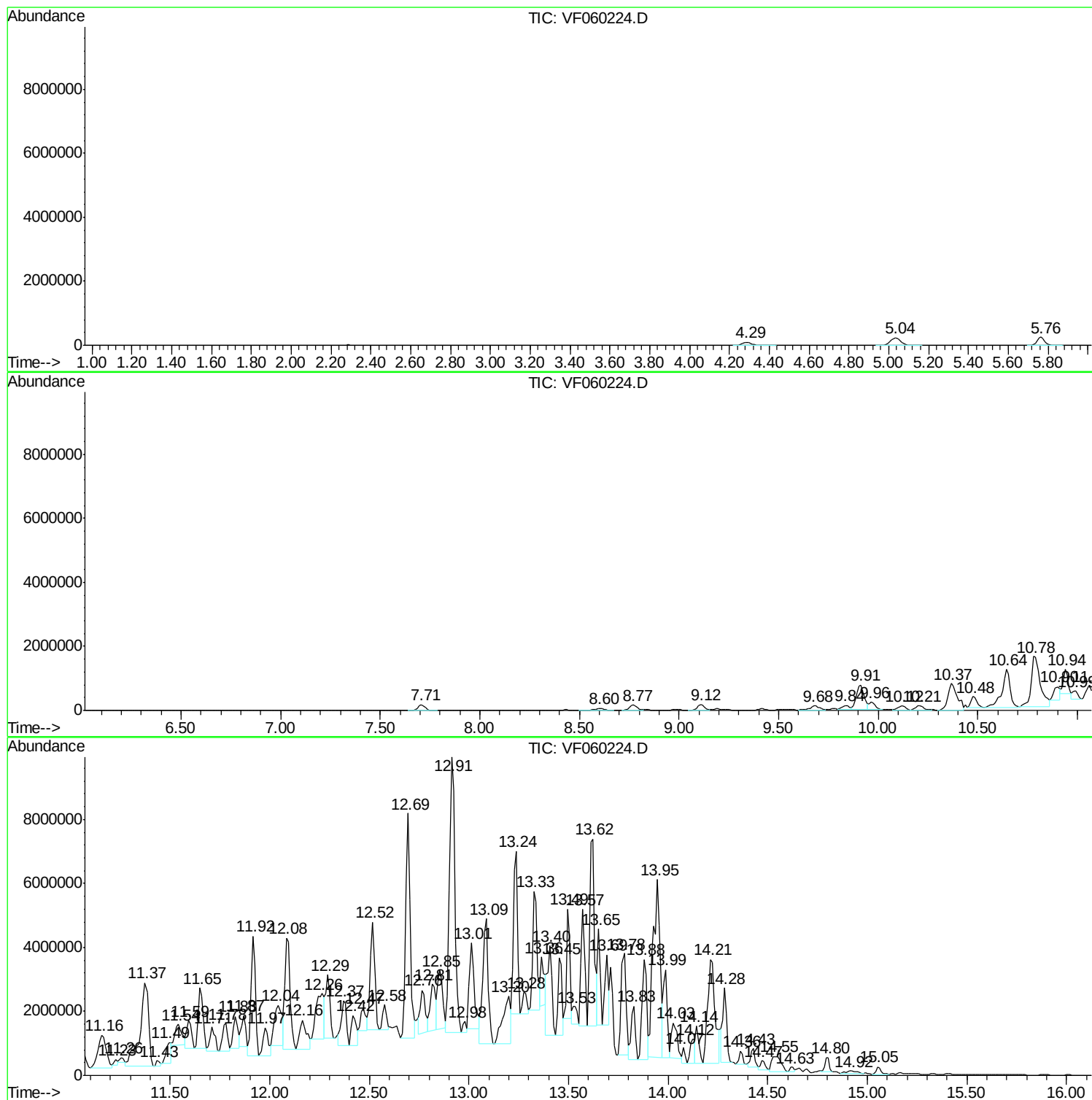
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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



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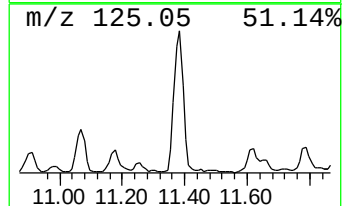
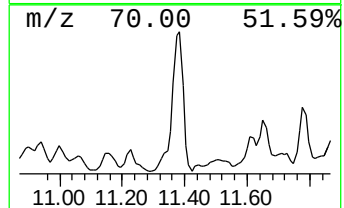
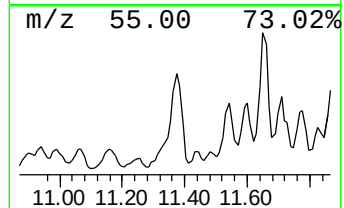
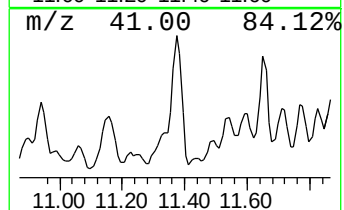
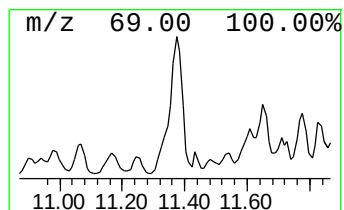
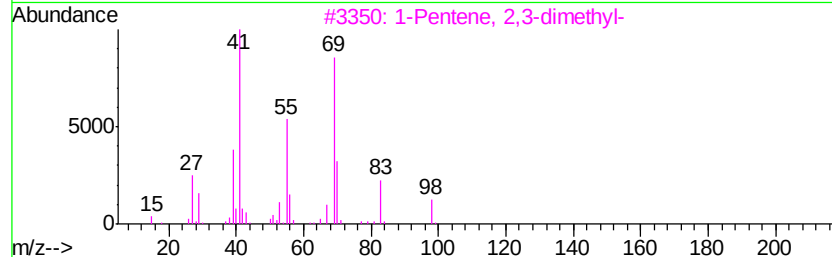
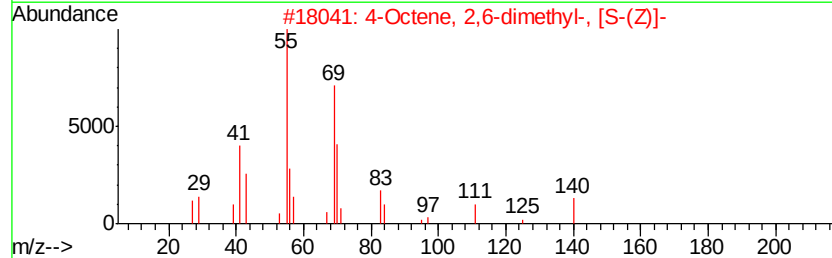
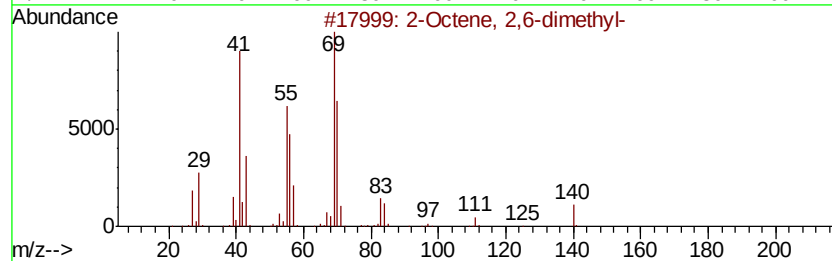
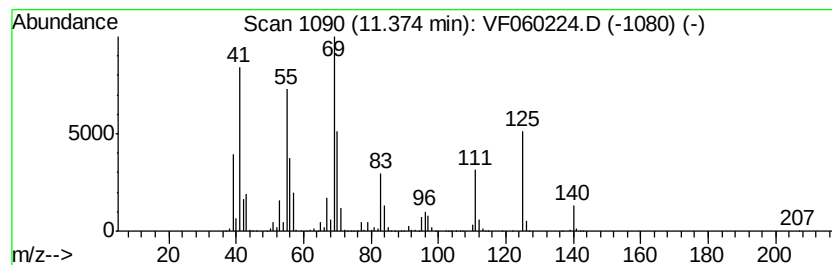
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Octene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	357.92 ug/l	7706180	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
2		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	49
3		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	49
4		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43
5		4-Methyl-2-heptene	112	C8H16	003404-56-6	38



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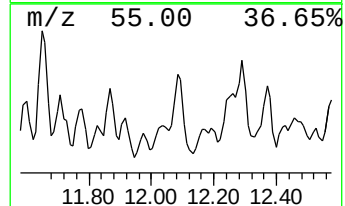
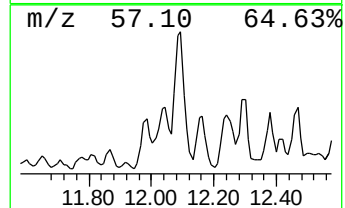
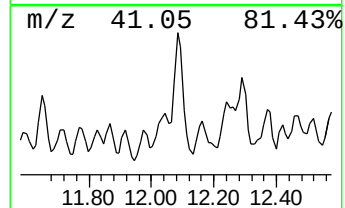
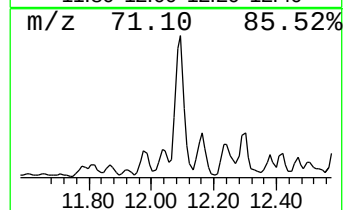
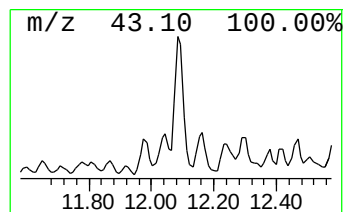
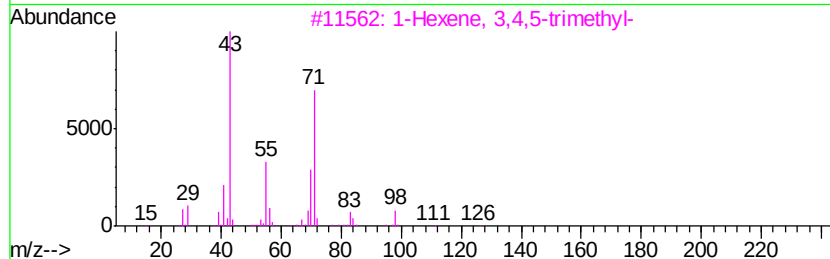
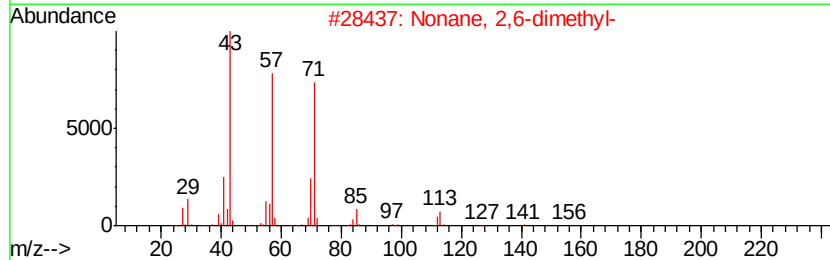
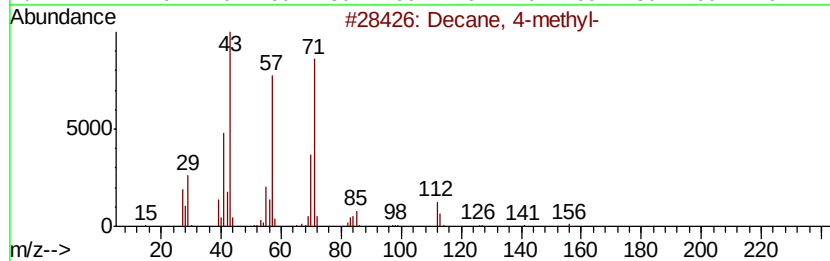
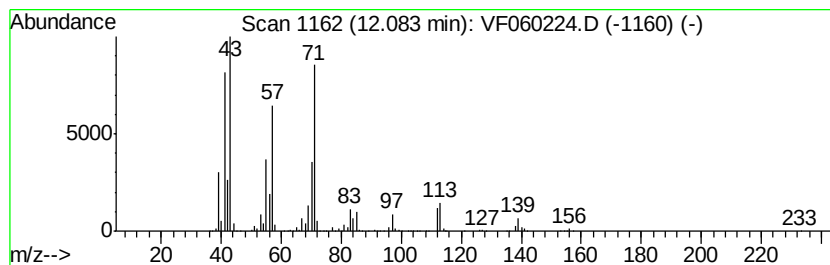
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	305.18 ug/l	6570700	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	74
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	74
3		1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	53
4		Octane, 3-ethyl-	142	C10H22	005881-17-4	53
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50



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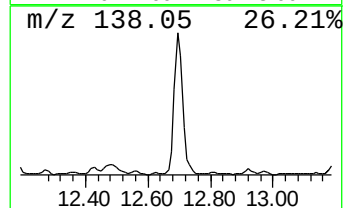
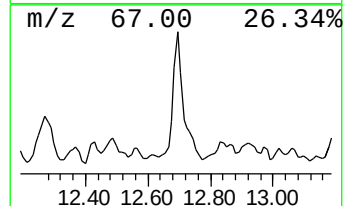
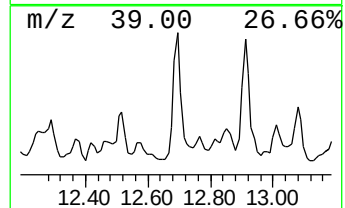
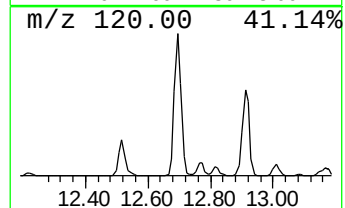
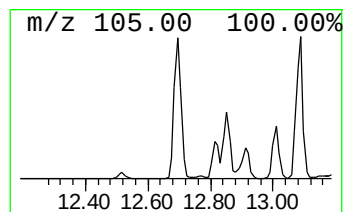
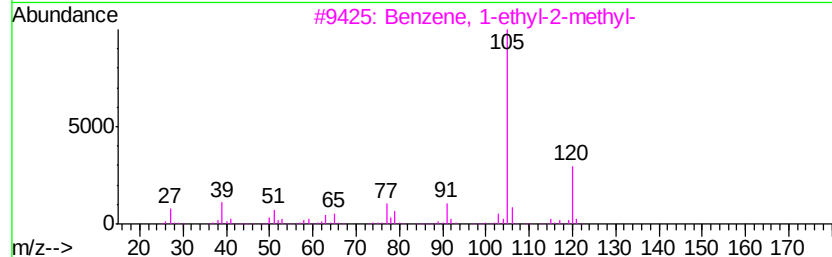
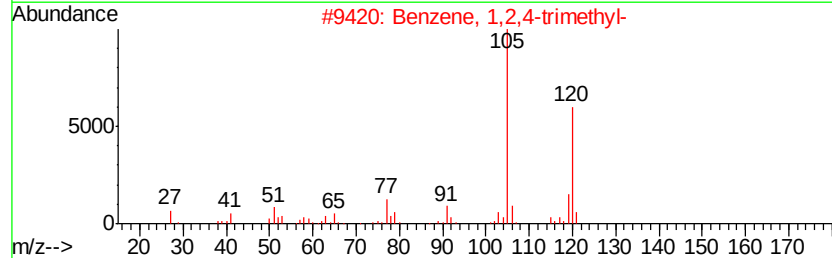
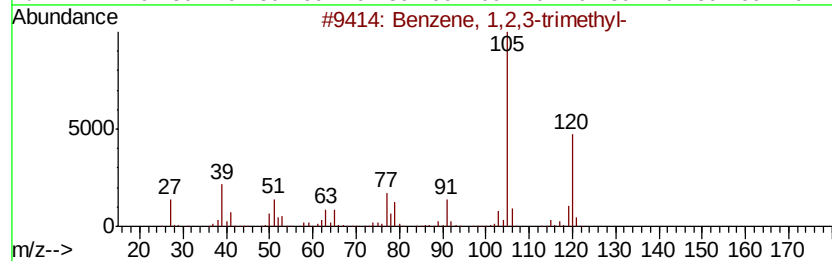
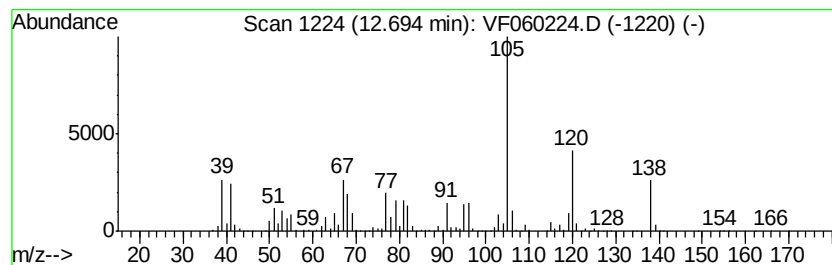
Instrument :
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	534.33 ug/l	11504300	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 91
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 78
3		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 60
4		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 60
5		Mesitylene	120 C9H12	000108-67-8 60



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ALS Vial : 20 Sample Multiplier: 1

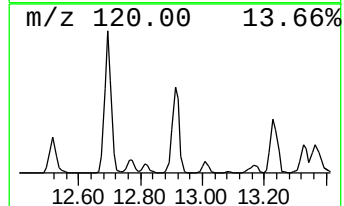
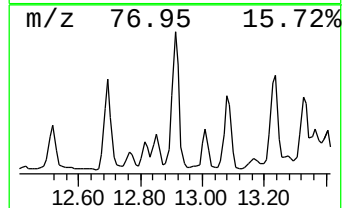
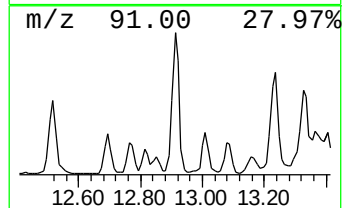
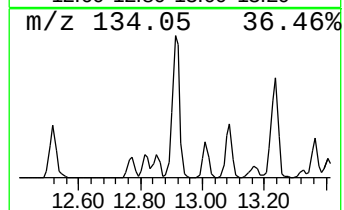
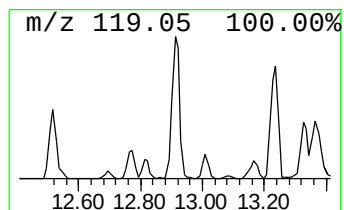
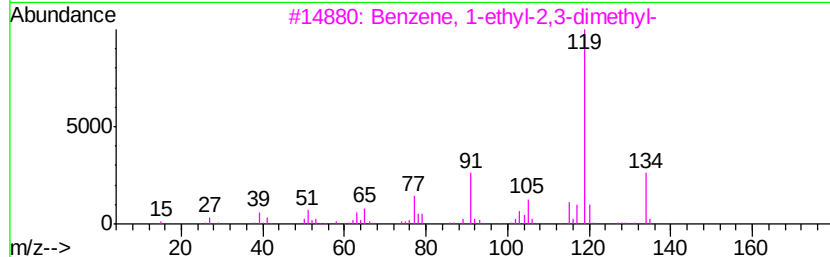
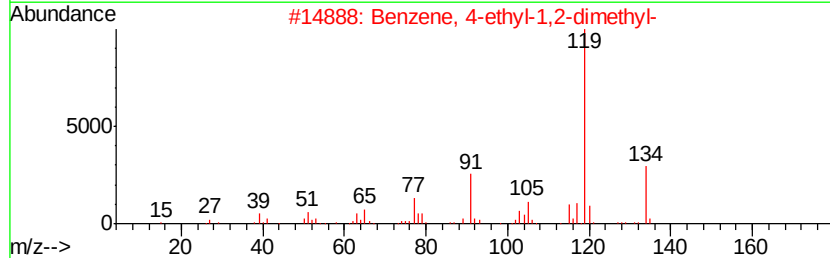
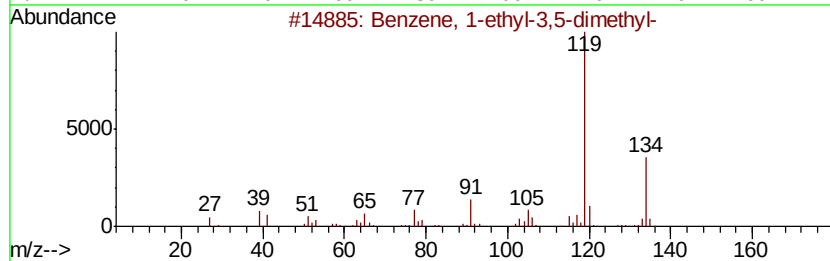
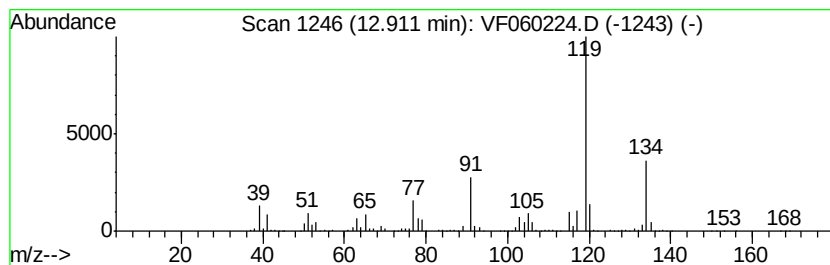
Instrument :
MSVOA_F
ClientSampled :
EP1-Q2-G5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	717.88 ug/l	15456300	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 96
2		Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5 95
3		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 95
4		o-Cymene	134 C10H14	000527-84-4 94
5		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

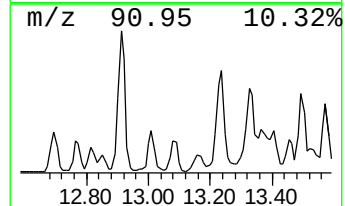
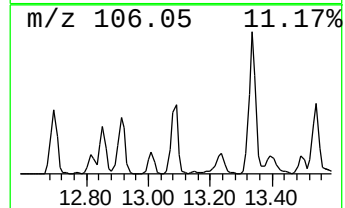
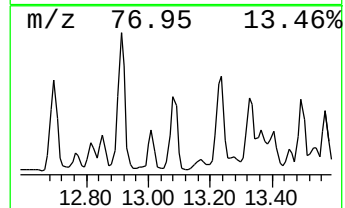
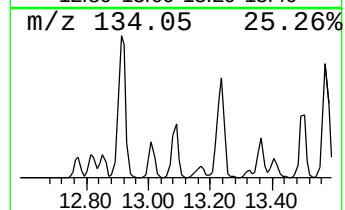
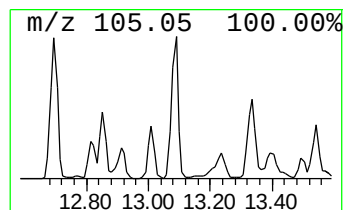
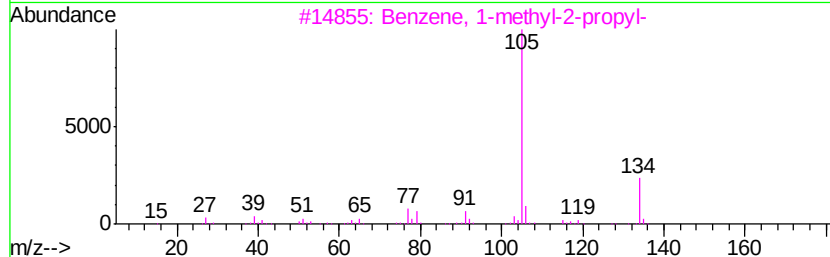
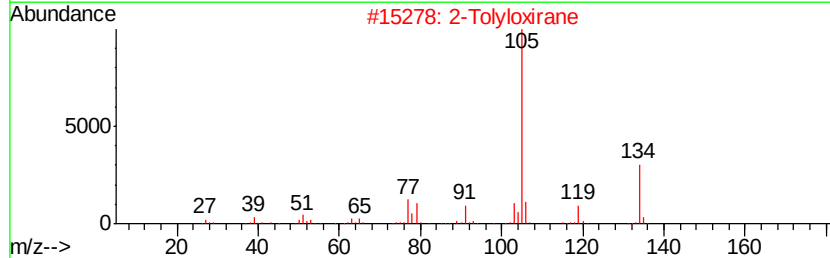
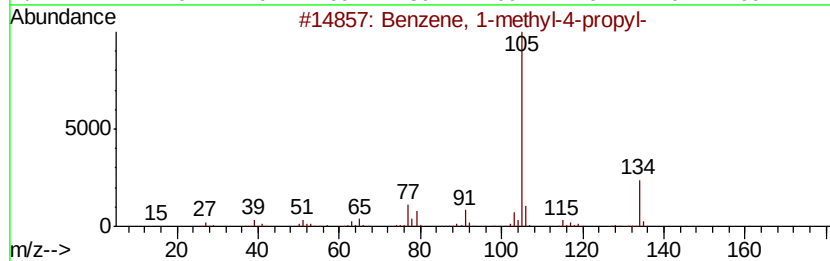
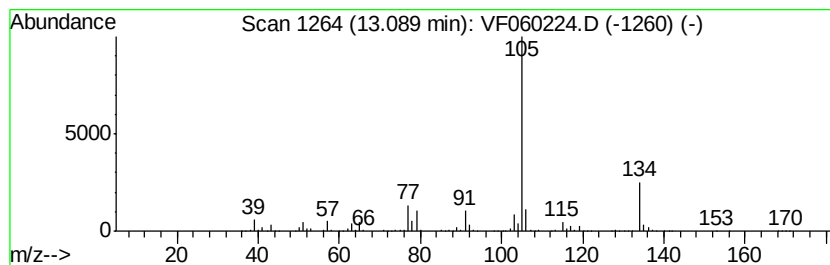
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-methyl-4-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	341.96 ug/l	7362620	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2		2-Tolyloxirane	134	C9H10O	002783-26-8	91
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54q/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

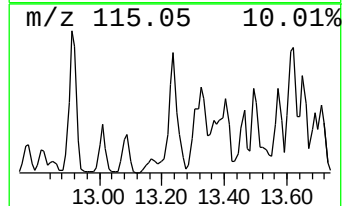
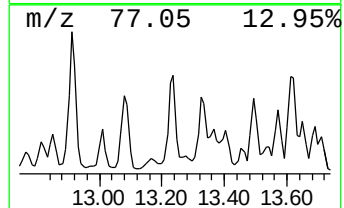
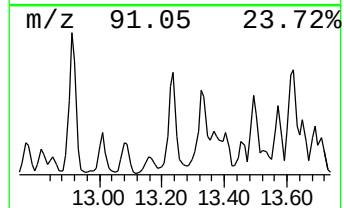
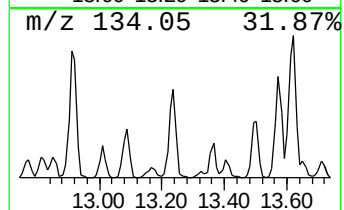
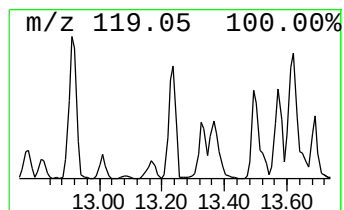
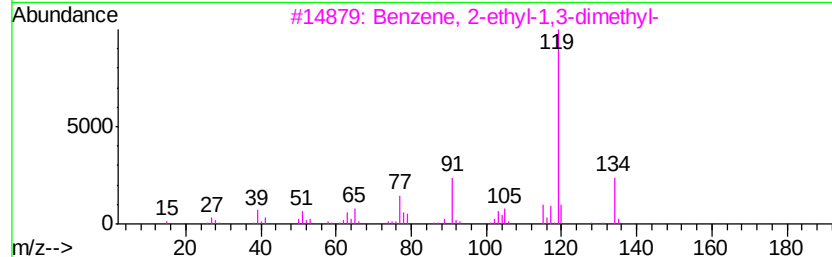
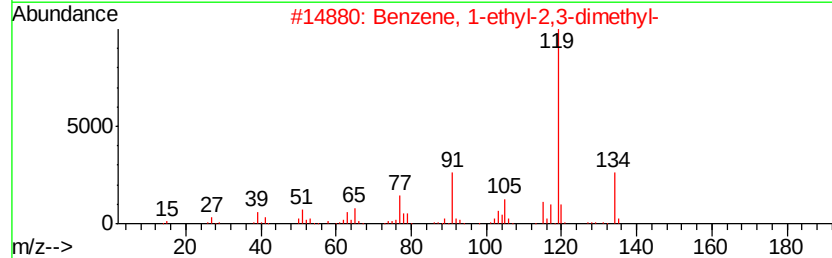
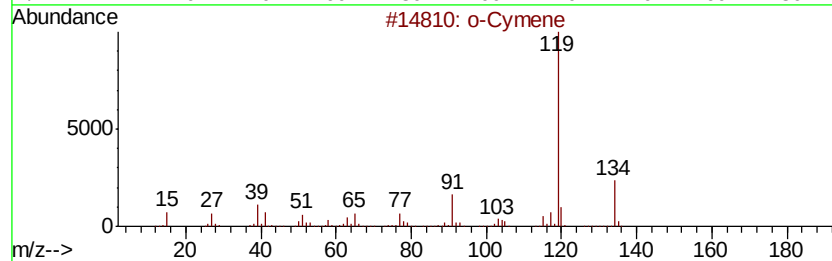
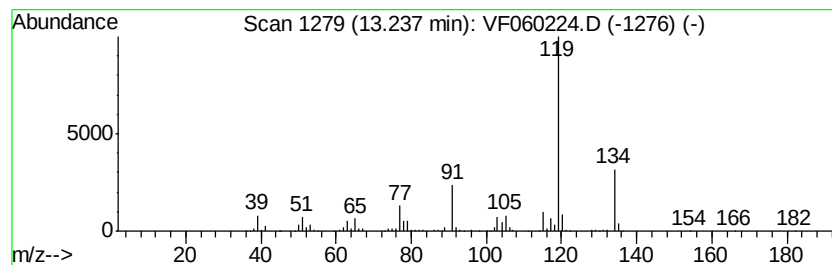
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 6 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	345.60 ug/l	7440850	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 94
2		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 91
3		Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4 91
4		Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5 91
5		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54q/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

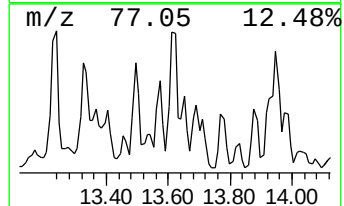
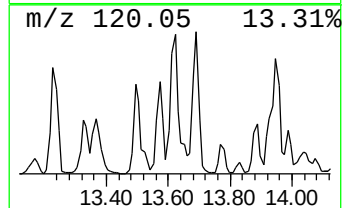
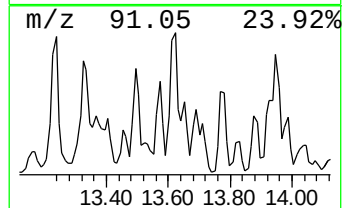
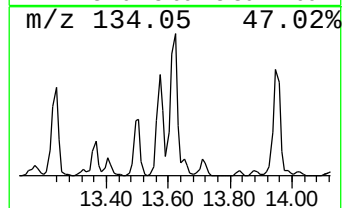
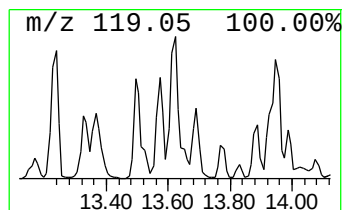
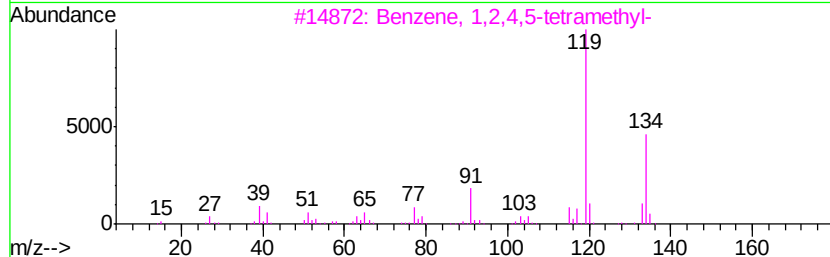
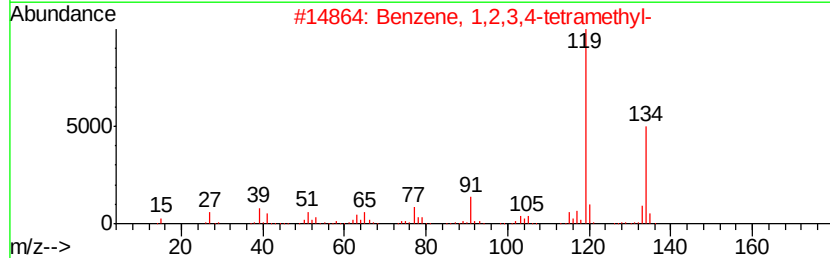
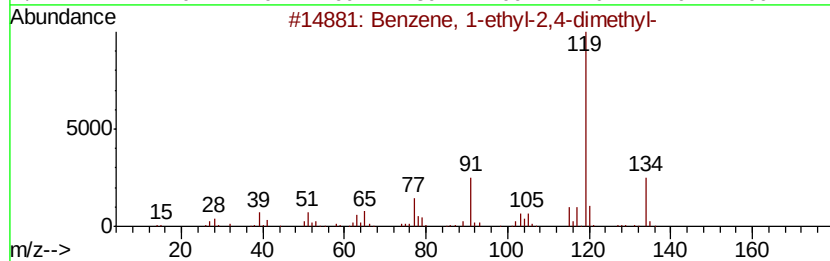
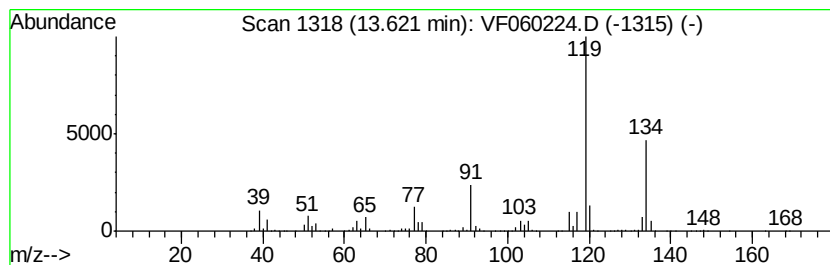
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
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 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	474.61 ug/l	10218600	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	95
2	Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54q/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

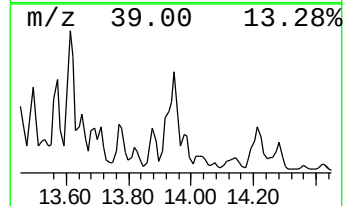
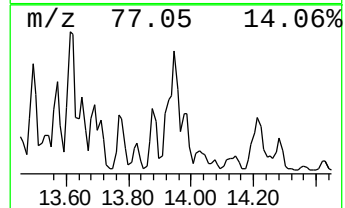
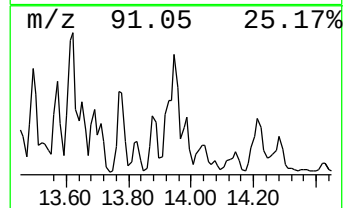
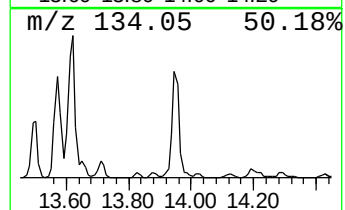
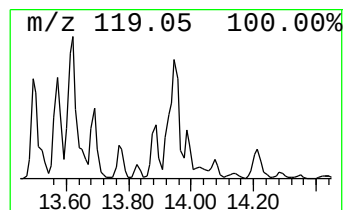
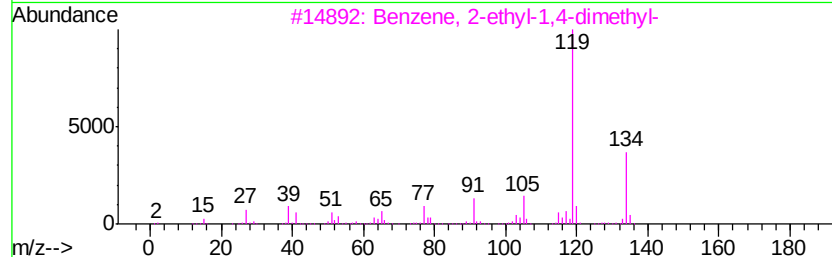
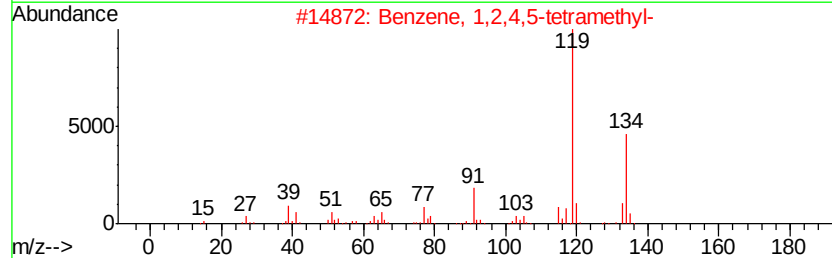
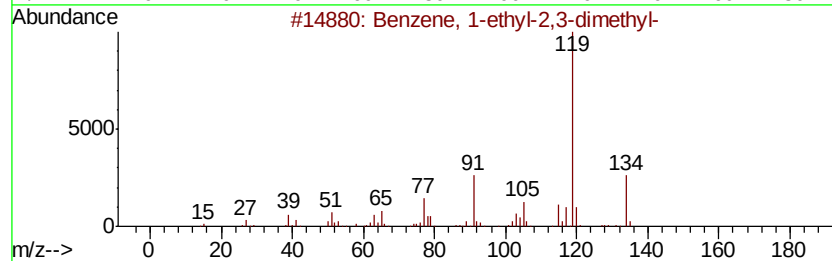
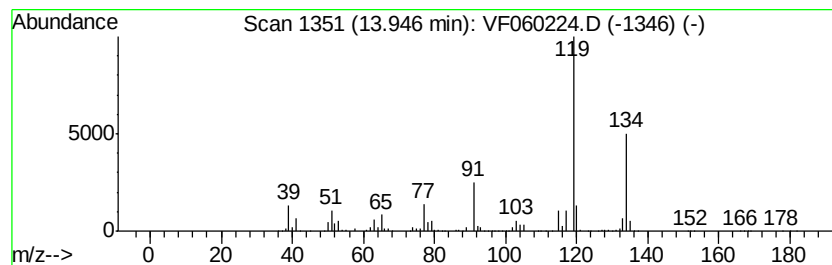
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	634.87 ug/l	13669100	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

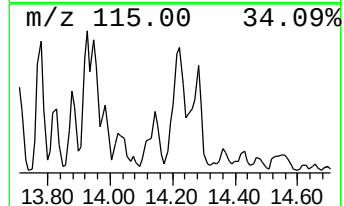
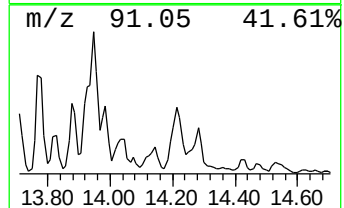
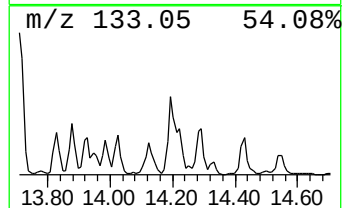
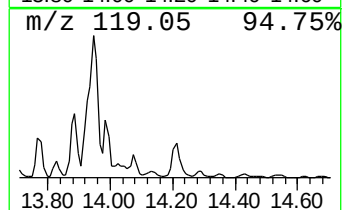
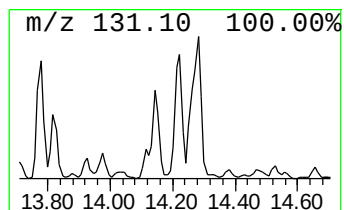
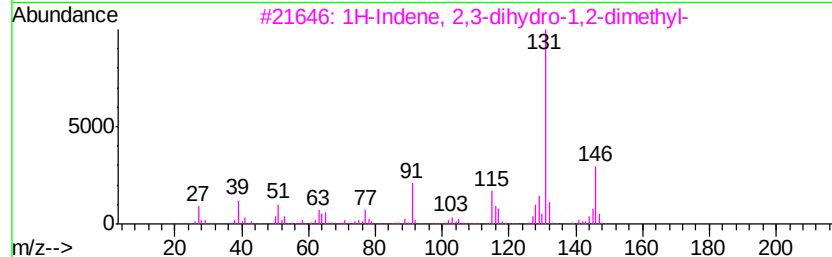
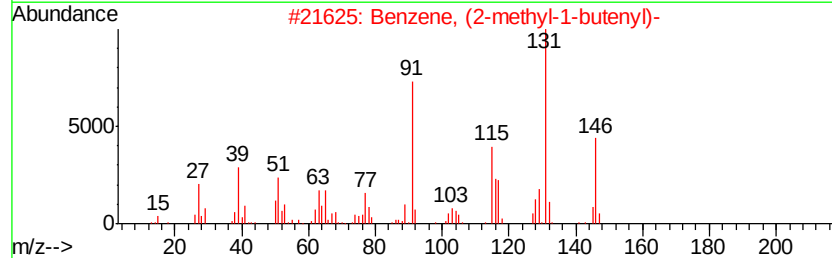
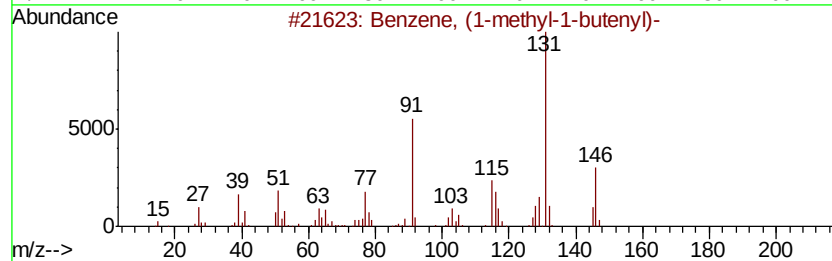
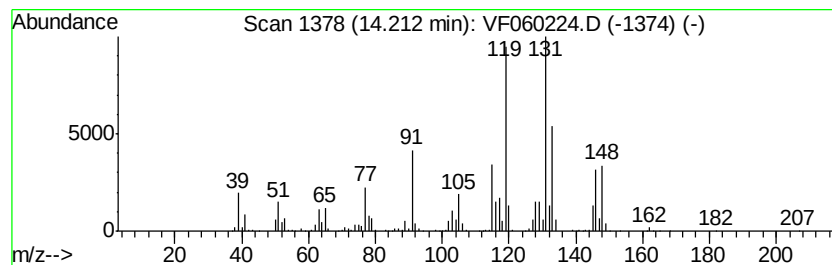
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methyl-1-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	398.39 ug/l	8577590	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	83
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF090718\
Data File : VF060224.D
Acq On : 7 Sep 2018 21:37
Operator : VA/AP
Sample : J4803-07
Misc : 5.54g/5mL/MSVOA_F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.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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Decane, 4-methyl-	12.08	305.2	ug/l	6570700	4	12.64	1076530	50.0
Benzene, 1,2,3-tr...	12.69	534.3	ug/l	11504300	4	12.64	1076530	50.0
Benzene, 1-ethyl-...	12.91	717.9	ug/l	15456300	4	12.64	1076530	50.0
Benzene, 1-methyl...	13.09	342.0	ug/l	7362620	4	12.64	1076530	50.0
o-Cymene	13.24	345.6	ug/l	7440850	4	12.64	1076530	50.0
Benzene, 1-ethyl-...	13.62	474.6	ug/l	10218600	4	12.64	1076530	50.0
Benzene, 1-ethyl-...	13.95	634.9	ug/l	13669100	4	12.64	1076530	50.0
Benzene, (1-methy...	14.21	398.4	ug/l	8577590	4	12.64	1076530	50.0