

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060778.D
 Acq On : 16 Nov 2018 21:43
 Operator : VA/AP
 Sample : J5950-02
 Misc : 4.23g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

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\82F111318S.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	2.010	129	140	153	rBV3	254220	1286144	2.14%	0.152%
2	2.385	173	178	190	rVV	327639	868596	1.45%	0.103%
3	2.947	226	235	252	rVB3	322486	1917442	3.19%	0.226%
4	3.756	305	317	327	rBV	714556	4500477	7.50%	0.531%
5	4.032	339	345	351	rBV	349793	1265245	2.11%	0.149%
6	4.309	366	373	376	rBV2	221242	807490	1.35%	0.095%
7	4.397	377	382	386	rVV2	315940	1336965	2.23%	0.158%
8	4.565	387	399	404	rVV5	778735	5994319	9.99%	0.708%
9	4.654	404	408	409	rVV	961568	2491720	4.15%	0.294%
10	4.693	409	412	424	rVB	1225996	4109923	6.85%	0.485%
11	5.482	481	492	497	rBV	1970950	9826763	16.37%	1.160%
12	5.778	515	522	537	rVB3	750975	3523826	5.87%	0.416%
13	6.025	537	547	560	rVB3	298835	2268540	3.78%	0.268%
14	6.321	560	577	588	rBV8	514271	5210300	8.68%	0.615%
15	6.528	589	598	600	rBV5	338148	1429450	2.38%	0.169%
16	6.627	601	608	624	rVB2	2025561	10492358	17.48%	1.239%
17	6.844	624	630	646	rVB	1471940	6271150	10.45%	0.740%
18	7.100	646	656	670	rVB	1796716	13375885	22.28%	1.579%
19	7.278	670	674	677	rBV2	607965	1714607	2.86%	0.202%
20	7.347	677	681	684	rBV2	491930	1405410	2.34%	0.166%
21	7.505	693	697	702	rVB	974447	2433202	4.05%	0.287%
22	7.613	702	708	711	rBV3	726977	2776510	4.63%	0.328%
23	7.820	721	729	738	rVB4	715939	4501432	7.50%	0.531%
24	8.175	758	765	773	rBV6	604903	3244175	5.40%	0.383%
25	8.323	773	780	786	rVV	1979689	8896276	14.82%	1.050%
26	8.432	786	791	792	rVV	1599019	4744103	7.90%	0.560%
27	8.501	793	798	809	rVV2	3827831	19905936	33.16%	2.350%
28	8.688	809	817	832	rVV	2889025	20426363	34.03%	2.411%
29	8.886	833	837	844	rVV2	887202	3678159	6.13%	0.434%
30	9.014	844	850	859	rVV3	2669686	15515697	25.85%	1.831%
31	9.172	860	866	873	rVV2	4246359	17295754	28.81%	2.042%
32	9.349	876	884	892	rVV	4192672	17243199	28.72%	2.035%
33	9.468	892	896	901	rVV4	683317	2242652	3.74%	0.265%
34	9.596	903	909	915	rVV4	1061576	5088950	8.48%	0.601%

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35	9.754	916	925	927	rVV	2073520	9055596	15.09%	1.069%
36	9.833	927	933	939	rVV6	2905141	17224843	28.69%	2.033%
37	9.951	939	945	950	rVB	6032203	18417598	30.68%	2.174%
38	10.119	957	962	971	rVB3	865188	3751438	6.25%	0.443%
39	10.286	971	979	987	rBV3	3115729	18313622	30.51%	2.162%
40	10.405	987	991	999	rVB4	1280186	4989760	8.31%	0.589%
41	10.562	999	1007	1017	rBV5	3551058	18263517	30.42%	2.156%
42	10.740	1017	1025	1031	rBV4	8112354	33420127	55.67%	3.945%
43	10.888	1032	1040	1044	rVB2	2358859	9263019	15.43%	1.093%
44	11.105	1056	1062	1064	rBV3	3306060	10286973	17.14%	1.214%
45	11.164	1064	1068	1078	rVV5	6157727	30240010	50.38%	3.570%
46	11.332	1078	1085	1090	rVB2	6636288	21683882	36.12%	2.560%
47	11.628	1109	1115	1122	rVB3	7407048	23297241	38.81%	2.750%
48	11.726	1123	1125	1126	rBV2	667261	981662	1.64%	0.116%
49	11.865	1136	1139	1143	rVB	4483085	9741891	16.23%	1.150%
50	12.062	1143	1159	1163	rBV2	15244976	51128252	85.17%	6.035%
51	12.141	1163	1167	1171	rVB2	2562434	5483138	9.13%	0.647%
52	12.279	1171	1181	1184	rBV3	17002215	60029428	100.00%	7.086%
53	12.348	1184	1188	1191	rVV2	5468412	11209047	18.67%	1.323%
54	12.437	1194	1197	1199	rVV	3759984	7872524	13.11%	0.929%
55	12.476	1199	1201	1202	rVV	3327634	5532818	9.22%	0.653%
56	12.506	1202	1204	1209	rVV4	4775536	9704354	16.17%	1.146%
57	12.585	1209	1212	1215	rVB	3400744	5437092	9.06%	0.642%
58	12.654	1215	1219	1222	rBV	11932507	23835367	39.71%	2.814%
59	12.762	1227	1230	1234	rVV2	7574481	15158936	25.25%	1.789%
60	12.841	1234	1238	1240	rVV2	5698342	13593137	22.64%	1.605%
61	12.881	1240	1242	1246	rVB3	6331331	10789058	17.97%	1.274%
62	12.969	1247	1251	1253	rBV4	1987778	4694928	7.82%	0.554%
63	13.038	1255	1258	1262	rVB2	5860383	12052882	20.08%	1.423%
64	13.137	1262	1268	1271	rBV3	5628285	20037770	33.38%	2.365%
65	13.196	1271	1274	1278	rVV2	6320413	11314841	18.85%	1.336%
66	13.265	1278	1281	1285	rVB3	5124740	10984467	18.30%	1.297%
67	13.324	1285	1287	1290	rBV3	3332062	6342081	10.56%	0.749%
68	13.374	1290	1292	1294	rVB3	1970811	2660832	4.43%	0.314%
69	13.413	1294	1296	1298	rBV	3218202	4111383	6.85%	0.485%
70	13.443	1298	1299	1302	rVB	1287945	1524958	2.54%	0.180%
71	13.522	1304	1307	1309	rBV2	3986667	4996524	8.32%	0.590%

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72	13.571	1309	1312	1315	rBV	4131882	7750034	12.91%	0.915%
73	13.670	1320	1322	1324	rVB	1116874	1222755	2.04%	0.144%
74	13.729	1325	1328	1332	rBV	4385703	8315144	13.85%	0.982%
75	13.837	1337	1339	1341	rVV	3156587	5686552	9.47%	0.671%
76	13.877	1341	1343	1347	rVV3	9169645	20108549	33.50%	2.374%
77	13.936	1347	1349	1352	rVV3	3755367	6508322	10.84%	0.768%
78	13.995	1352	1355	1360	rVV2	4554028	8159955	13.59%	0.963%
79	14.074	1360	1363	1364	rVV	1822209	3080594	5.13%	0.364%
80	14.104	1364	1366	1369	rVV	2520471	3973647	6.62%	0.469%
81	14.173	1369	1373	1376	rVV6	3942306	9378585	15.62%	1.107%
82	14.242	1378	1380	1385	rVB4	2760956	4920003	8.20%	0.581%
83	14.321	1385	1388	1390	rBV4	897287	1336674	2.23%	0.158%
84	14.429	1397	1399	1401	rBV2	2592319	4068840	6.78%	0.480%
85	14.479	1401	1404	1407	rVV	5638471	9865561	16.43%	1.165%
86	14.577	1411	1414	1415	rVV2	554451	808778	1.35%	0.095%
87	14.607	1415	1417	1420	rVB2	1263507	1735729	2.89%	0.205%
88	14.755	1429	1432	1435	rVB	2831143	3895538	6.49%	0.460%
89	15.001	1455	1457	1466	rVB	1224460	2238482	3.73%	0.264%
90	15.120	1466	1469	1472	rVV	746314	1267983	2.11%	0.150%
91	15.169	1472	1474	1481	rVB5	375521	788735	1.31%	0.093%
92	15.297	1481	1487	1490	rBV	2610933	4507036	7.51%	0.532%
93	15.416	1496	1499	1503	rVB	1346782	2034400	3.39%	0.240%

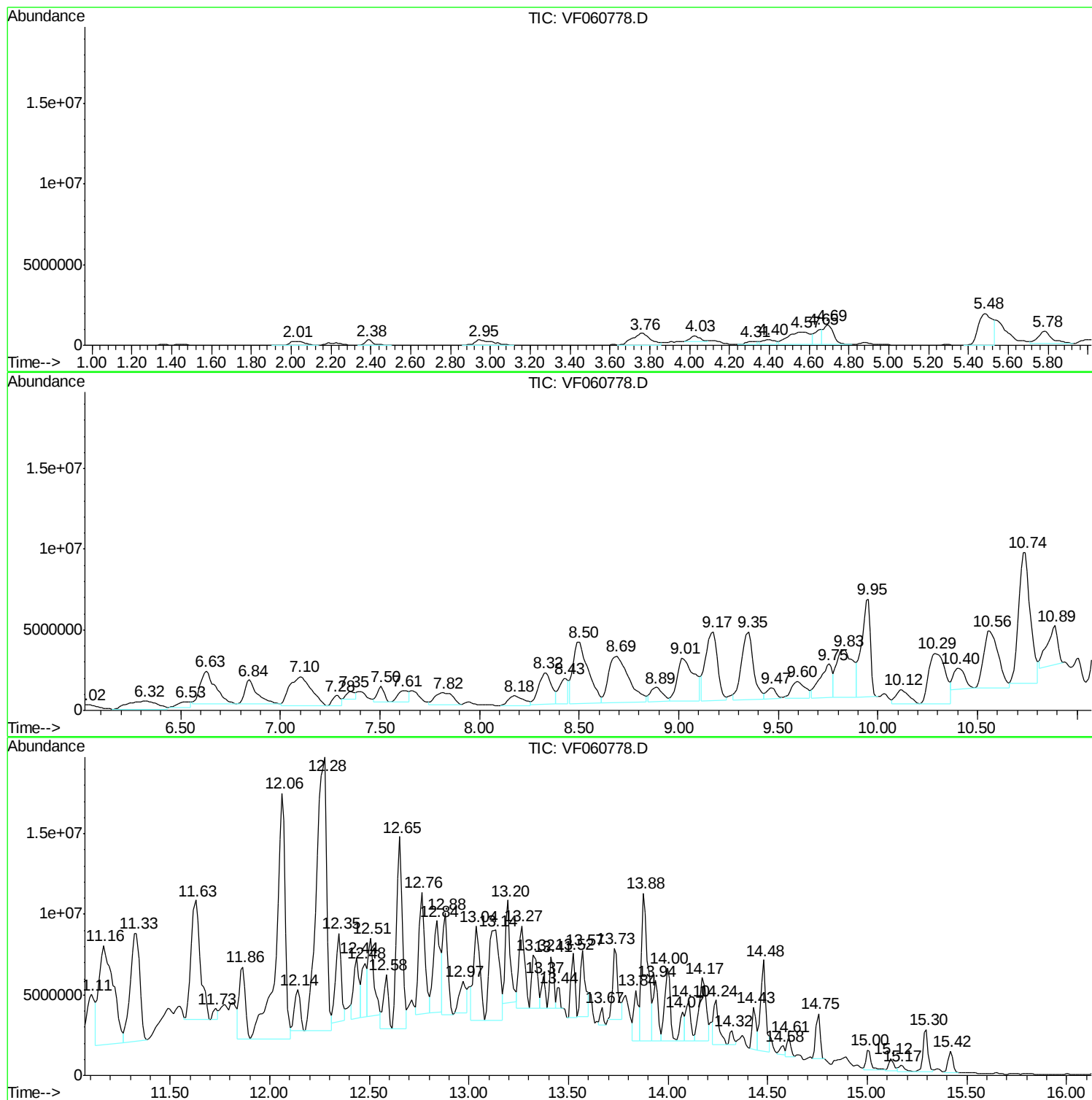
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TIC Library : C:\DATABASE\NIST11.L
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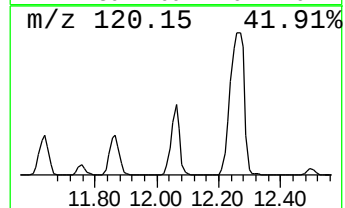
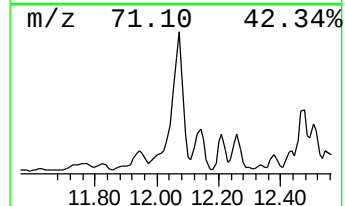
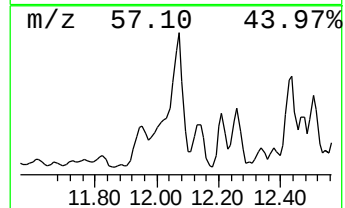
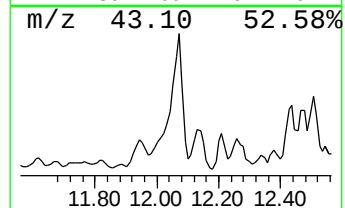
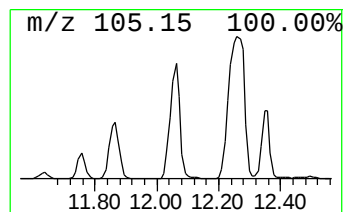
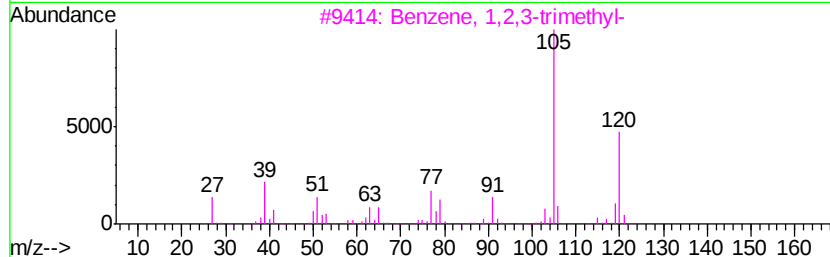
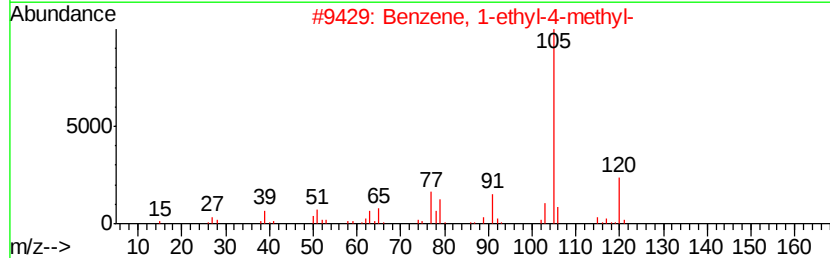
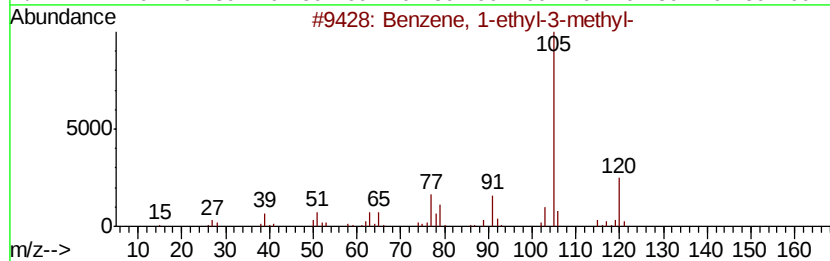
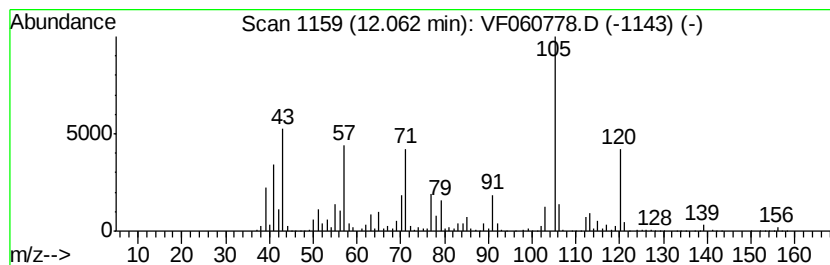
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	470.18 ug/l	51128300	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64



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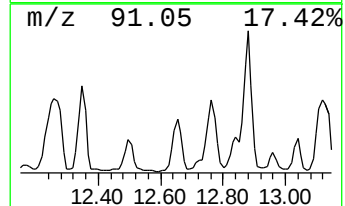
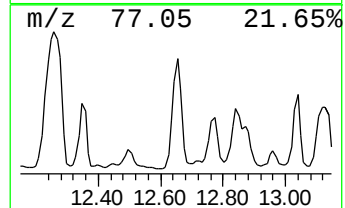
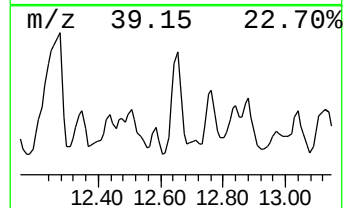
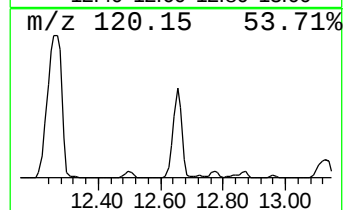
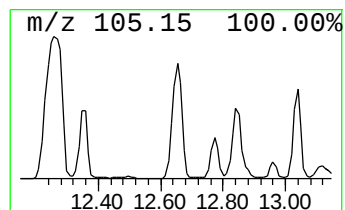
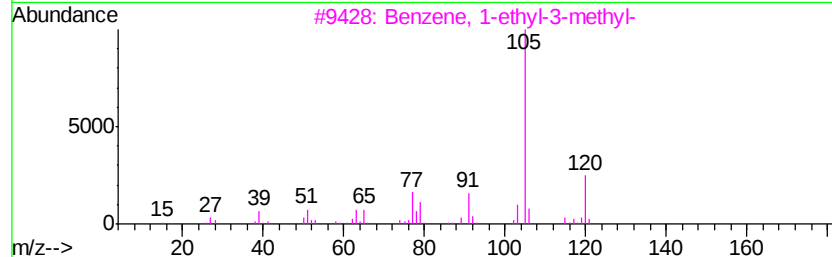
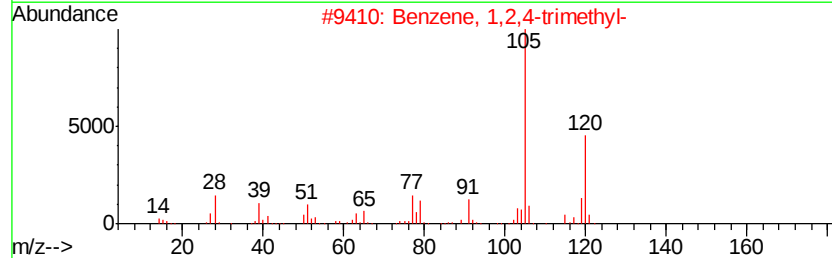
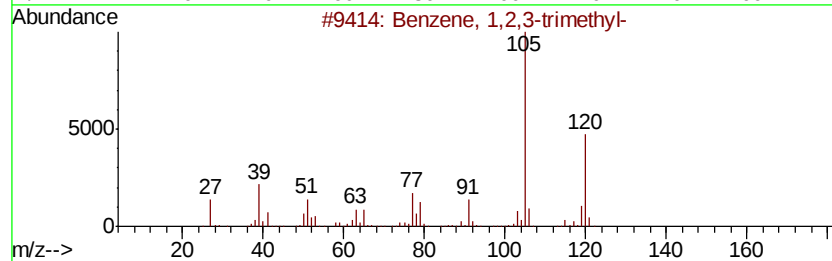
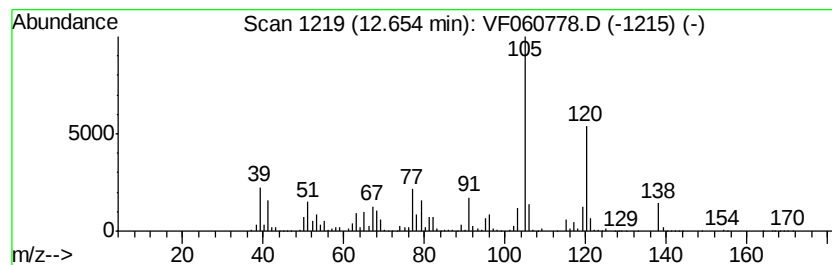
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TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	219.19 ug/l	23835400	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5		Mesitylene	120	C9H12	000108-67-8	87



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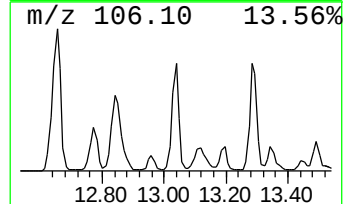
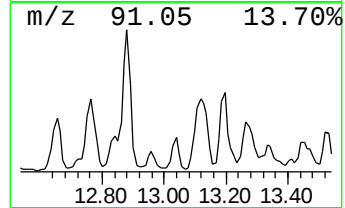
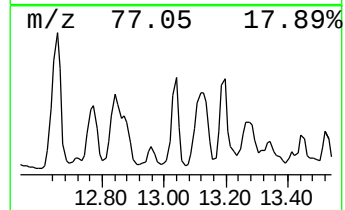
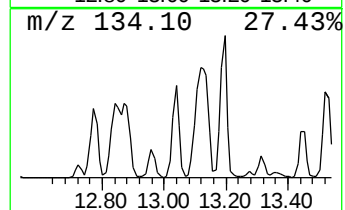
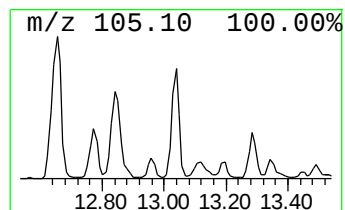
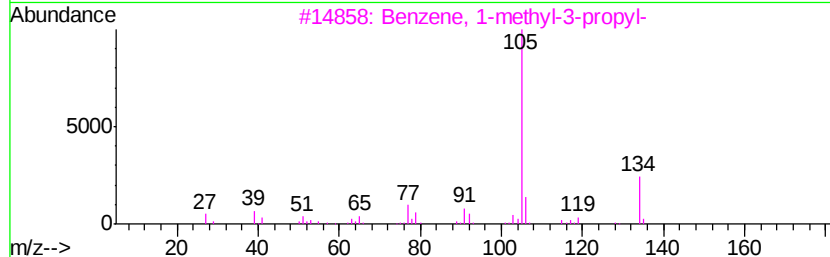
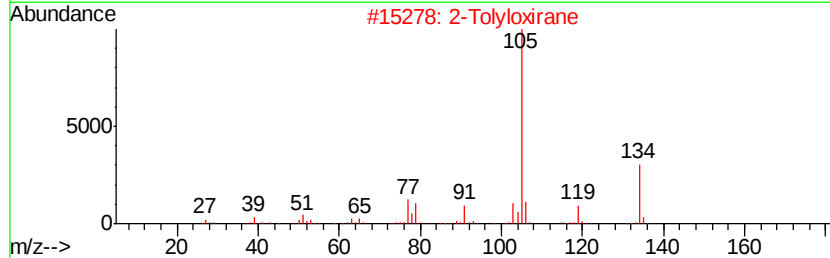
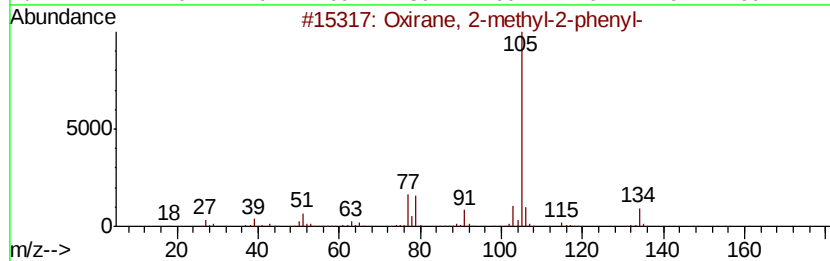
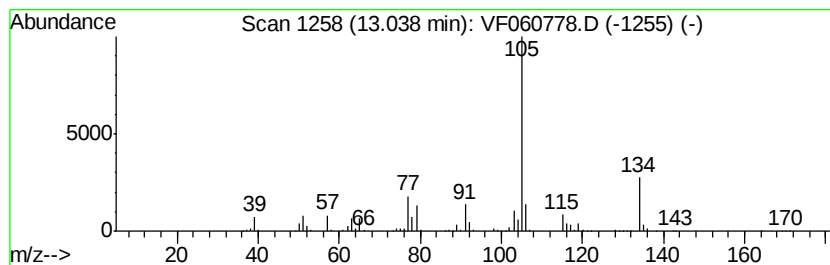
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Peak Number 4 Oxirane, 2-methyl-2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	110.84 ug/l	12052900	1,4-Dichlorobenzene-d4	12.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87	
2	2-Tolyloxirane	134	C9H10O	002783-26-8	87	
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83	
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80	
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	76	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

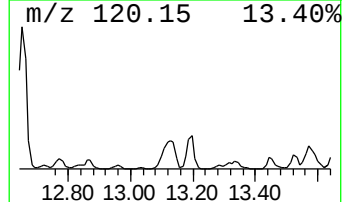
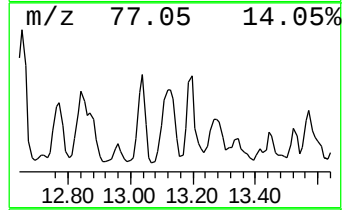
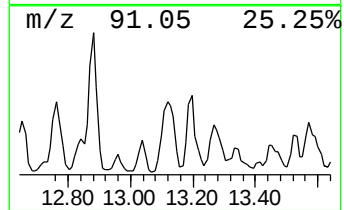
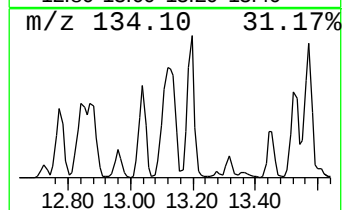
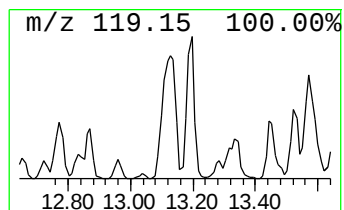
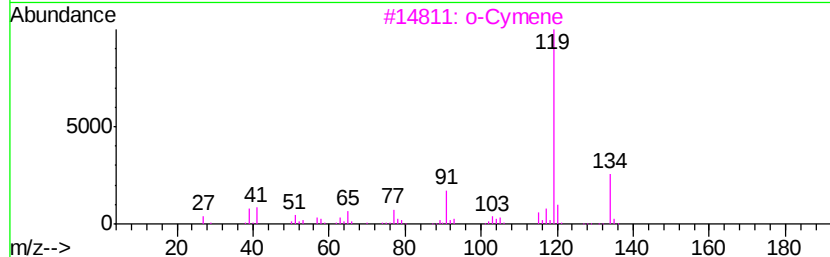
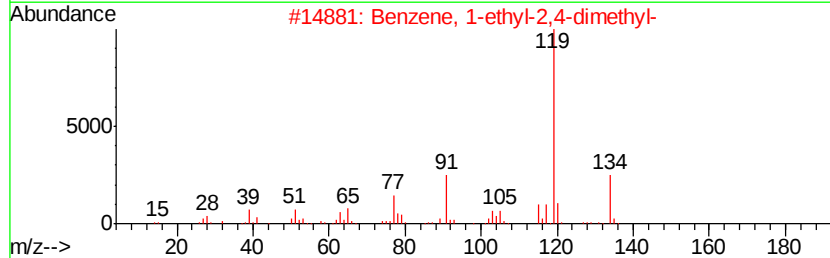
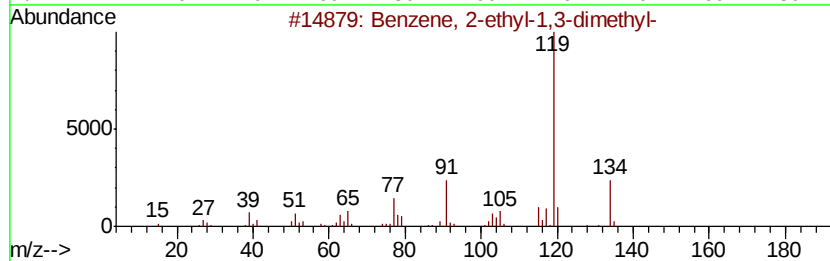
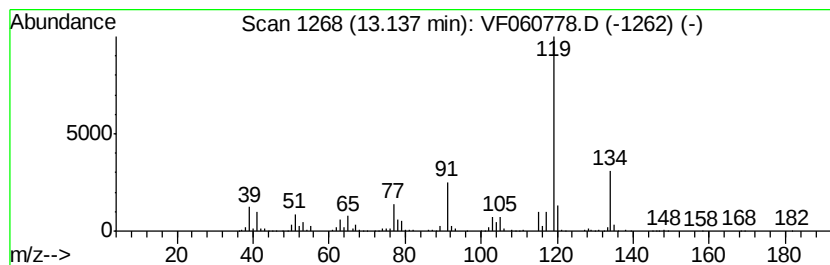
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	184.27 ug/l	20037800	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	97
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	96
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

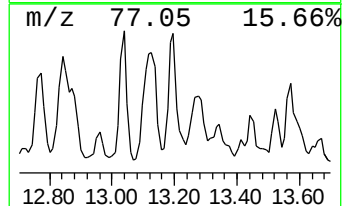
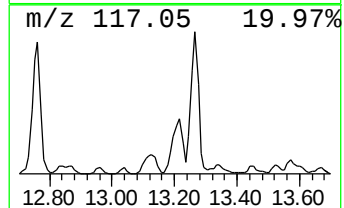
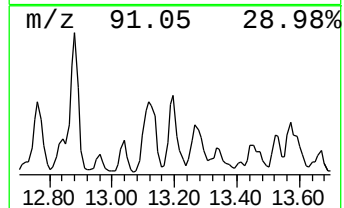
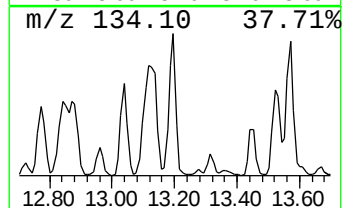
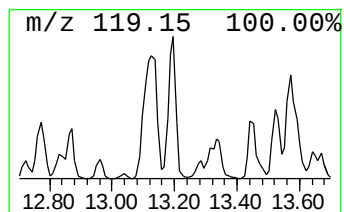
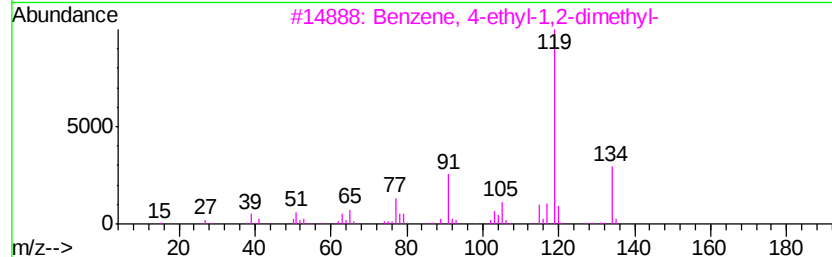
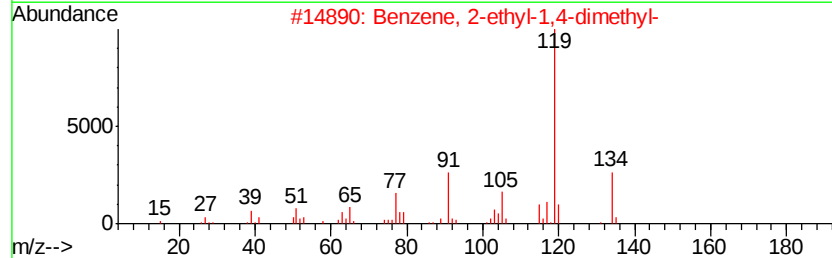
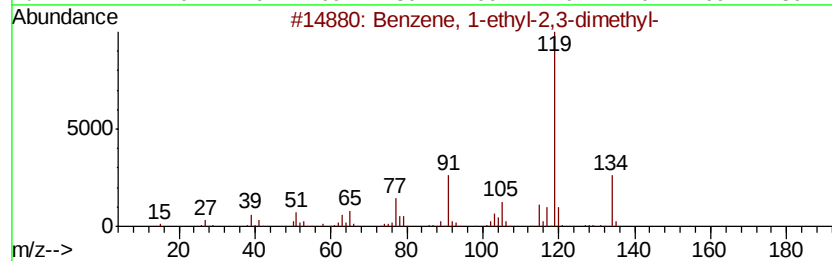
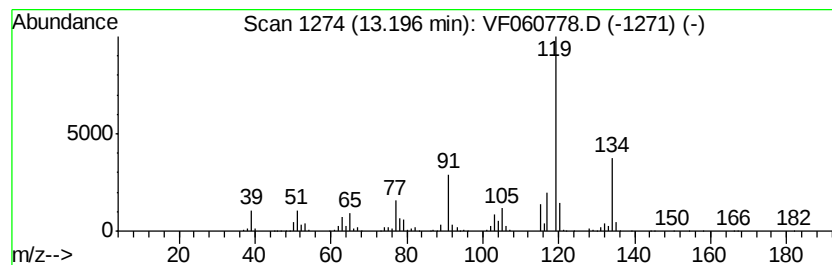
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	104.05 ug/l	11314800	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5		p-Cymene	134	C10H14	000099-87-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

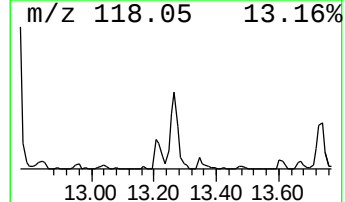
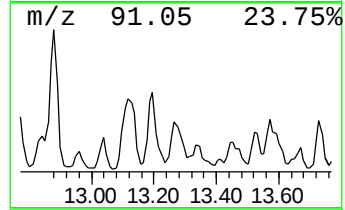
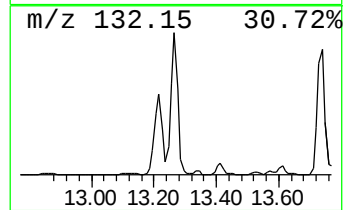
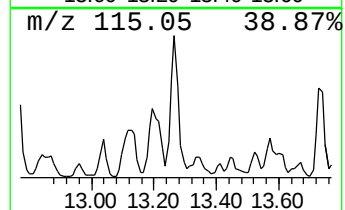
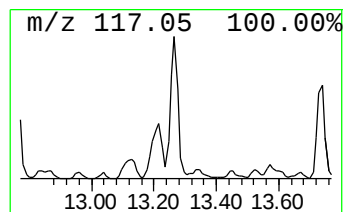
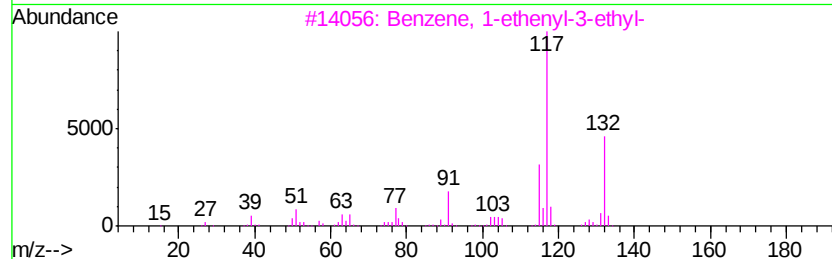
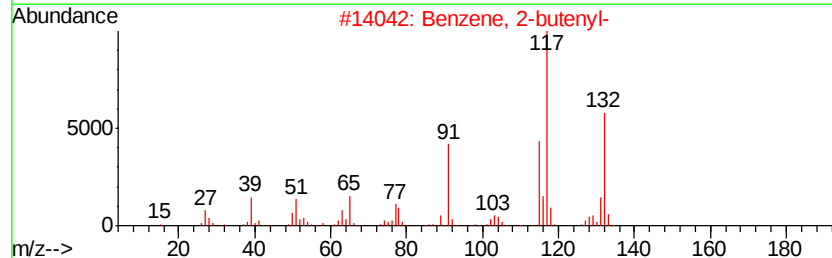
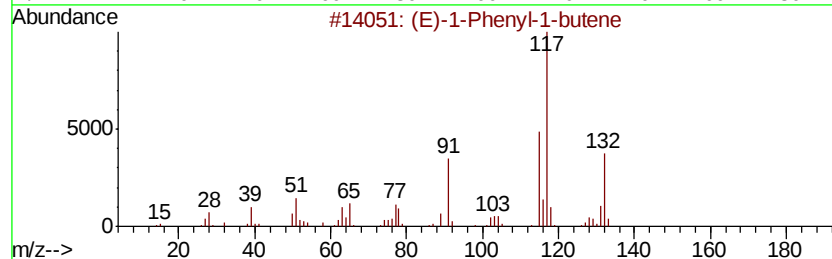
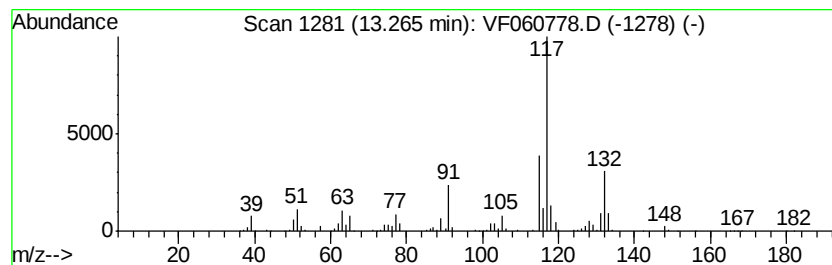
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Quant Title : SW846 8260

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

Peak Number 7 (E)-1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	101.01 ug/l	10984500	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

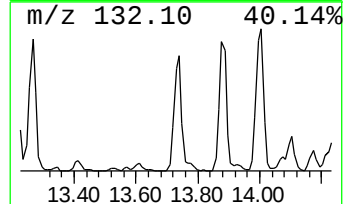
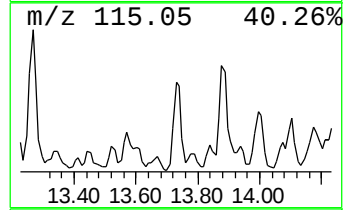
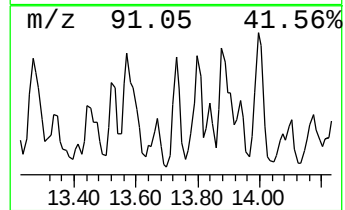
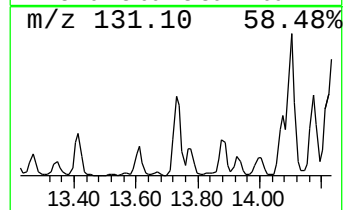
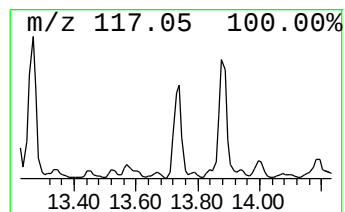
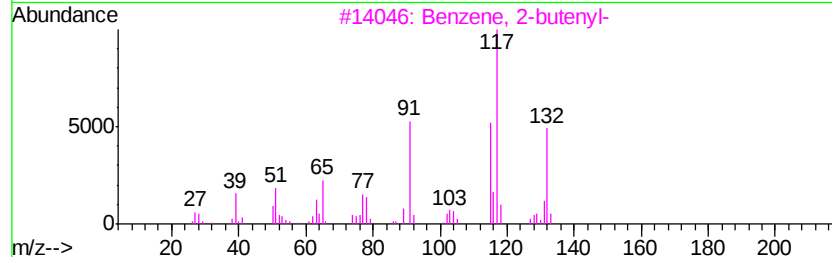
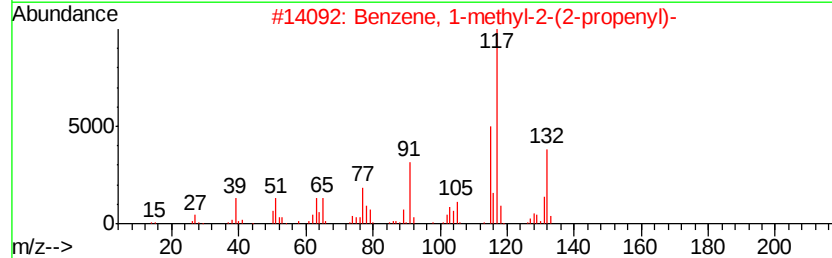
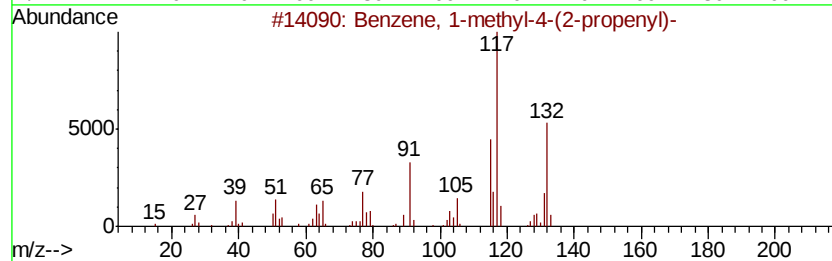
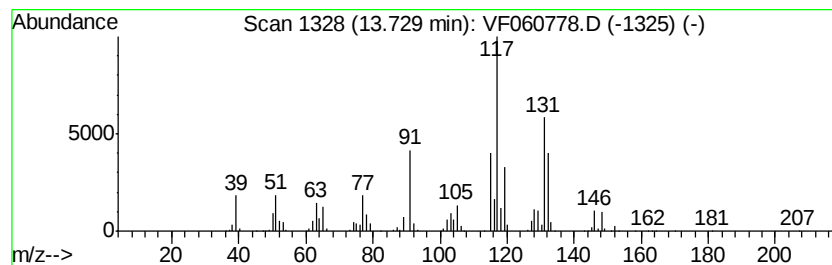
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-methyl-4-(2-prop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	76.47 ug/l	8315140	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	96
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
4		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	78
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

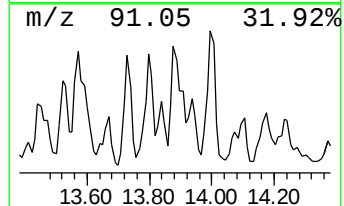
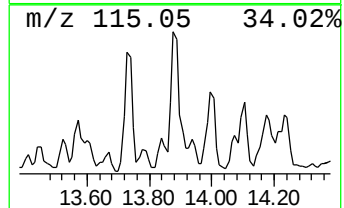
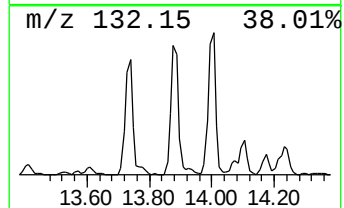
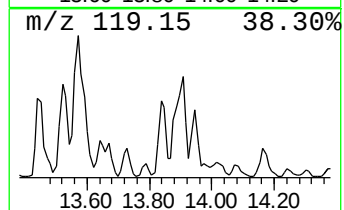
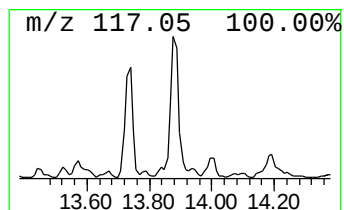
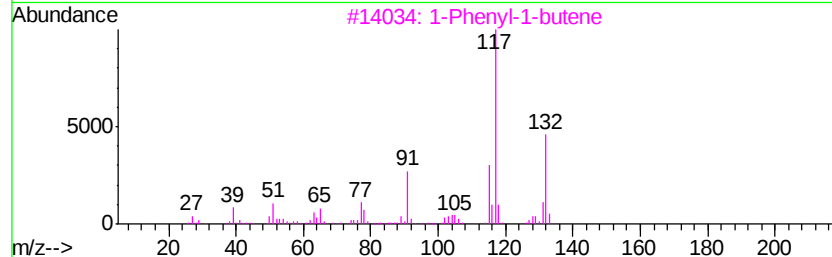
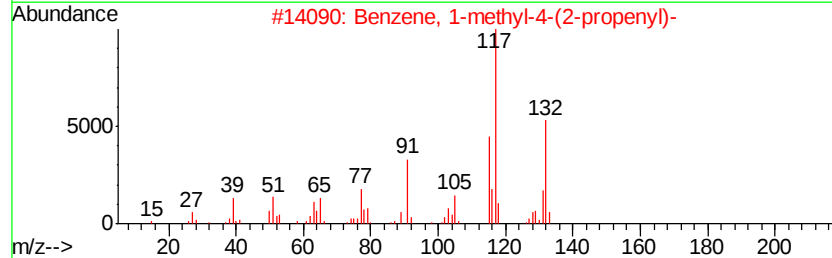
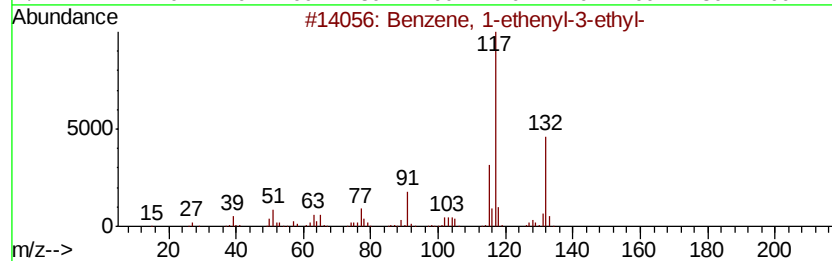
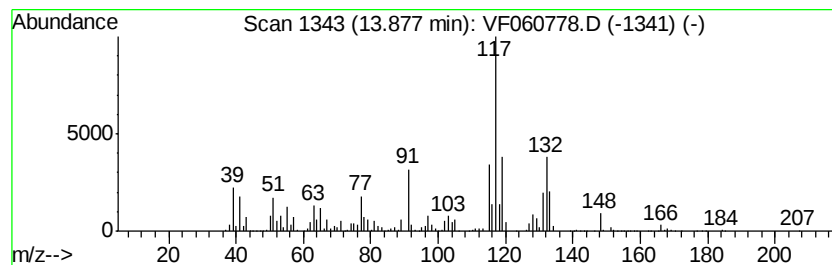
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	184.92 ug/l	20108500	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	86
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

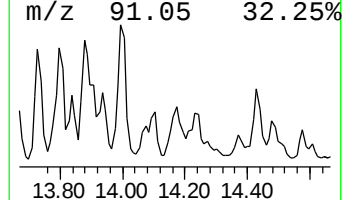
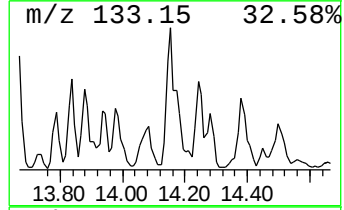
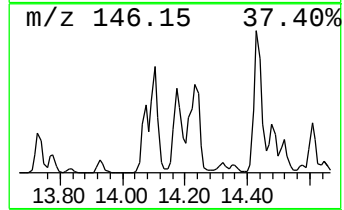
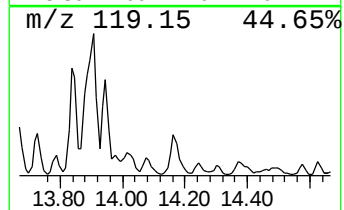
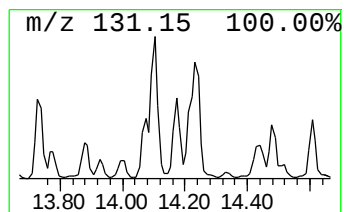
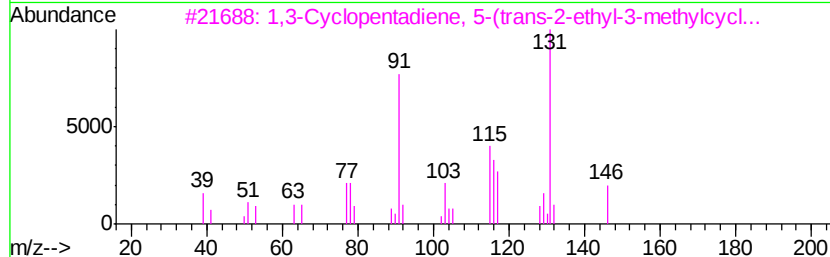
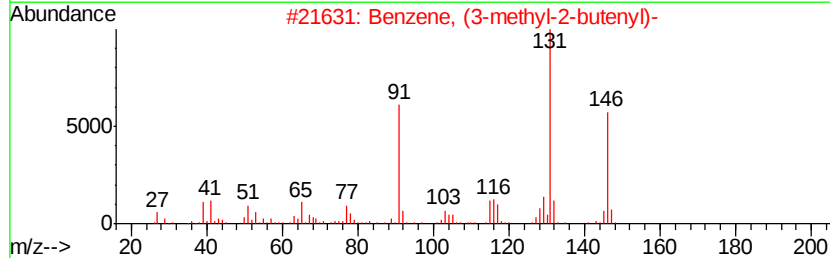
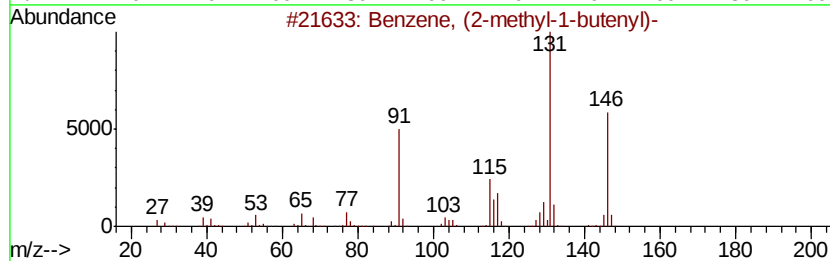
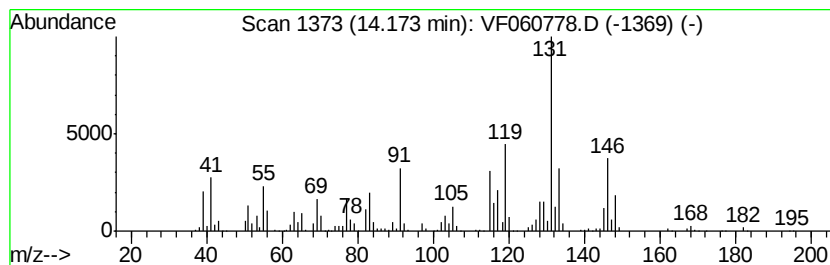
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (2-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	86.25 ug/l	9378590	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
3		1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	64
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111618\
Data File : VF060778.D
Acq On : 16 Nov 2018 21:43
Operator : VA/AP
Sample : J5950-02
Misc : 4.23g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.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
Benzene, 1-ethyl-...	12.06	470.2	ug/l	51128300	4	12.56	5437090	50.0
Benzene, 1,2,3-tr...	12.65	219.2	ug/l	23835400	4	12.56	5437090	50.0
Oxirane, 2-methyl...	13.04	110.8	ug/l	12052900	4	12.56	5437090	50.0
Benzene, 2-ethyl-...	13.14	184.3	ug/l	20037800	4	12.56	5437090	50.0
Benzene, 1-ethyl-...	13.20	104.1	ug/l	11314800	4	12.56	5437090	50.0
(E)-1-Phenyl-1-bu...	13.27	101.0	ug/l	10984500	4	12.56	5437090	50.0
Benzene, 1-methyl...	13.73	76.5	ug/l	8315140	4	12.56	5437090	50.0
Benzene, 1-etheny...	13.88	184.9	ug/l	20108500	4	12.56	5437090	50.0
Benzene, (2-methy...	14.17	86.3	ug/l	9378590	4	12.56	5437090	50.0