

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060004.D
 Acq On : 20 Aug 2018 16:09
 Operator : VA/AP
 Sample : J4274-03
 Misc : 4.02g/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-02-081718

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\82F081718S.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	1.087	54	56	58	rBV3	10645	15690	1.98%	0.145%
2	1.353	78	83	84	rBV3	6734	12530	1.58%	0.116%
3	1.925	138	141	148	rBV5	2926	9883	1.25%	0.091%
4	2.092	153	158	161	rBV2	3814	11803	1.49%	0.109%
5	2.280	173	177	181	rBV	21169	45048	5.70%	0.417%
6	2.329	181	182	190	rVB2	8352	16963	2.15%	0.157%
7	2.487	194	198	201	rBV4	4513	10142	1.28%	0.094%
8	4.192	364	371	375	rBV3	5697	19357	2.45%	0.179%
9	4.290	375	381	393	rVB	106691	328750	41.58%	3.042%
10	4.645	413	417	425	rVB4	7423	27148	3.43%	0.251%
11	5.040	448	457	474	rBV2	206671	726070	91.83%	6.719%
12	5.631	510	517	525	rBV4	11105	36477	4.61%	0.338%
13	5.769	525	531	541	rBV	187279	491002	62.10%	4.544%
14	6.114	559	566	574	rBB8	3566	13303	1.68%	0.123%
15	6.439	593	599	605	rVB3	7780	25129	3.18%	0.233%
16	6.607	610	616	620	rVV4	10937	28508	3.61%	0.264%
17	6.755	627	631	634	rBV5	3128	8266	1.05%	0.076%
18	6.972	646	653	657	rBV4	6156	22505	2.85%	0.208%
19	7.188	669	675	677	rBV4	12494	33659	4.26%	0.311%
20	7.307	683	687	693	rVB4	4993	14490	1.83%	0.134%
21	7.405	693	697	701	rBV4	4745	14958	1.89%	0.138%
22	7.533	707	710	715	rVB4	5670	14464	1.83%	0.134%
23	7.622	715	719	723	rBV5	4402	12180	1.54%	0.113%
24	7.711	723	728	735	rBV	267211	605008	76.52%	5.598%
25	7.908	744	748	753	rBV4	6459	14929	1.89%	0.138%
26	7.987	753	756	760	rVB2	9353	20705	2.62%	0.192%
27	8.273	781	785	789	rBV5	2789	9475	1.20%	0.088%
28	8.421	796	800	805	rVB4	7242	19922	2.52%	0.184%
29	8.539	808	812	816	rVV4	7970	20617	2.61%	0.191%
30	8.608	816	819	827	rVB4	20067	55533	7.02%	0.514%
31	8.775	830	836	841	rBV2	26920	80040	10.12%	0.741%
32	8.982	853	857	865	rVB5	9060	28512	3.61%	0.264%
33	9.120	865	871	876	rBV4	16035	47769	6.04%	0.442%
34	9.190	876	878	881	rVV4	6848	15863	2.01%	0.147%

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35	9.249	881	884	889	rVB4	7271	17618	2.23%	0.163%
36	9.436	897	903	905	rBV4	6431	17573	2.22%	0.163%
37	9.495	906	909	913	rVV5	6969	16785	2.12%	0.155%
38	9.564	913	916	920	rVB4	8232	18952	2.40%	0.175%
39	9.672	920	927	932	rBV7	7475	29398	3.72%	0.272%
40	9.919	947	952	961	rVV	287807	625734	79.14%	5.790%
41	10.116	969	972	978	rVB6	6234	15205	1.92%	0.141%
42	10.274	983	988	992	rVB	46173	94012	11.89%	0.870%
43	10.372	992	998	1006	rVB5	22677	77275	9.77%	0.715%
44	10.481	1006	1009	1014	rBV6	6358	19448	2.46%	0.180%
45	10.648	1019	1026	1031	rVB3	26825	65359	8.27%	0.605%
46	10.786	1037	1040	1042	rBV2	22121	48138	6.09%	0.445%
47	10.826	1042	1044	1048	rVB2	25078	45431	5.75%	0.420%
48	10.905	1048	1052	1053	rBV3	5265	10011	1.27%	0.093%
49	10.934	1053	1055	1058	rVB2	5604	9821	1.24%	0.091%
50	11.161	1071	1078	1082	rBV6	13875	43801	5.54%	0.405%
51	11.230	1082	1085	1090	rBV5	8429	18974	2.40%	0.176%
52	11.368	1096	1099	1104	rVB2	30241	62489	7.90%	0.578%
53	11.516	1104	1114	1119	rBV	329135	592091	74.89%	5.479%
54	11.654	1125	1128	1129	rBV3	14538	24188	3.06%	0.224%
55	11.693	1129	1132	1136	rVB	27544	41774	5.28%	0.387%
56	11.812	1136	1144	1148	rBV	150939	316515	40.03%	2.929%
57	11.910	1151	1154	1159	rVB	219954	340309	43.04%	3.149%
58	12.048	1163	1168	1169	rBV4	9447	21583	2.73%	0.200%
59	12.107	1169	1174	1179	rVB	152713	236594	29.92%	2.189%
60	12.245	1183	1188	1189	rBV4	7107	13940	1.76%	0.129%
61	12.285	1189	1192	1196	rBV2	517040	790626	100.00%	7.316%
62	12.383	1198	1202	1205	rBV2	17971	27012	3.42%	0.250%
63	12.511	1212	1215	1217	rBV	30023	47698	6.03%	0.441%
64	12.630	1224	1227	1230	rBV	405949	616405	77.96%	5.704%
65	12.689	1230	1233	1239	rVB	338368	483476	61.15%	4.474%
66	12.807	1241	1245	1248	rVV2	162732	327742	41.45%	3.033%
67	12.847	1248	1249	1251	rVV	80104	105956	13.40%	0.980%
68	12.906	1251	1255	1260	rVB2	185891	346248	43.79%	3.204%
69	13.004	1263	1265	1269	rVB	28174	37473	4.74%	0.347%
70	13.083	1269	1273	1277	rVB	45720	69601	8.80%	0.644%
71	13.162	1277	1281	1285	rBV2	100747	253971	32.12%	2.350%

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72	13.231	1285	1288	1293	rBV2	194441	356366	45.07%	3.298%
73	13.300	1293	1295	1299	rVB	128748	193604	24.49%	1.792%
74	13.359	1299	1301	1304	rVB	16741	20709	2.62%	0.192%
75	13.408	1304	1306	1308	rVB2	11855	16175	2.05%	0.150%
76	13.458	1308	1311	1312	rBV	17685	23144	2.93%	0.214%
77	13.497	1312	1315	1319	rVB	40859	63314	8.01%	0.586%
78	13.566	1319	1322	1324	rBV	93732	125552	15.88%	1.162%
79	13.615	1324	1327	1329	rBV	94629	142119	17.98%	1.315%
80	13.714	1335	1337	1340	rVB	11002	15116	1.91%	0.140%
81	13.773	1340	1343	1347	rVV	86577	140063	17.72%	1.296%
82	13.822	1347	1348	1351	rVV3	14618	16295	2.06%	0.151%
83	13.882	1351	1354	1355	rVV	20590	30601	3.87%	0.283%
84	13.921	1355	1358	1363	rVV2	160534	304984	38.58%	2.822%
85	13.980	1363	1364	1367	rVV	16830	23137	2.93%	0.214%
86	14.039	1367	1370	1375	rVB2	23631	40728	5.15%	0.377%
87	14.148	1375	1381	1384	rBV2	28660	56334	7.13%	0.521%
88	14.217	1384	1388	1391	rVV5	25220	62793	7.94%	0.581%
89	14.286	1391	1395	1399	rVV	31788	67425	8.53%	0.624%
90	14.522	1416	1419	1426	rVB	109618	170811	21.60%	1.581%
91	14.660	1430	1433	1440	rVB3	11254	22386	2.83%	0.207%
92	14.808	1446	1448	1452	rVB2	8867	13646	1.73%	0.126%
93	15.064	1471	1474	1478	rVB2	5781	9969	1.26%	0.092%
94	15.183	1481	1486	1489	rBV5	4061	8739	1.11%	0.081%
95	15.360	1499	1504	1507	rBV2	22588	40459	5.12%	0.374%
96	15.488	1513	1517	1522	rVB2	32567	56218	7.11%	0.520%

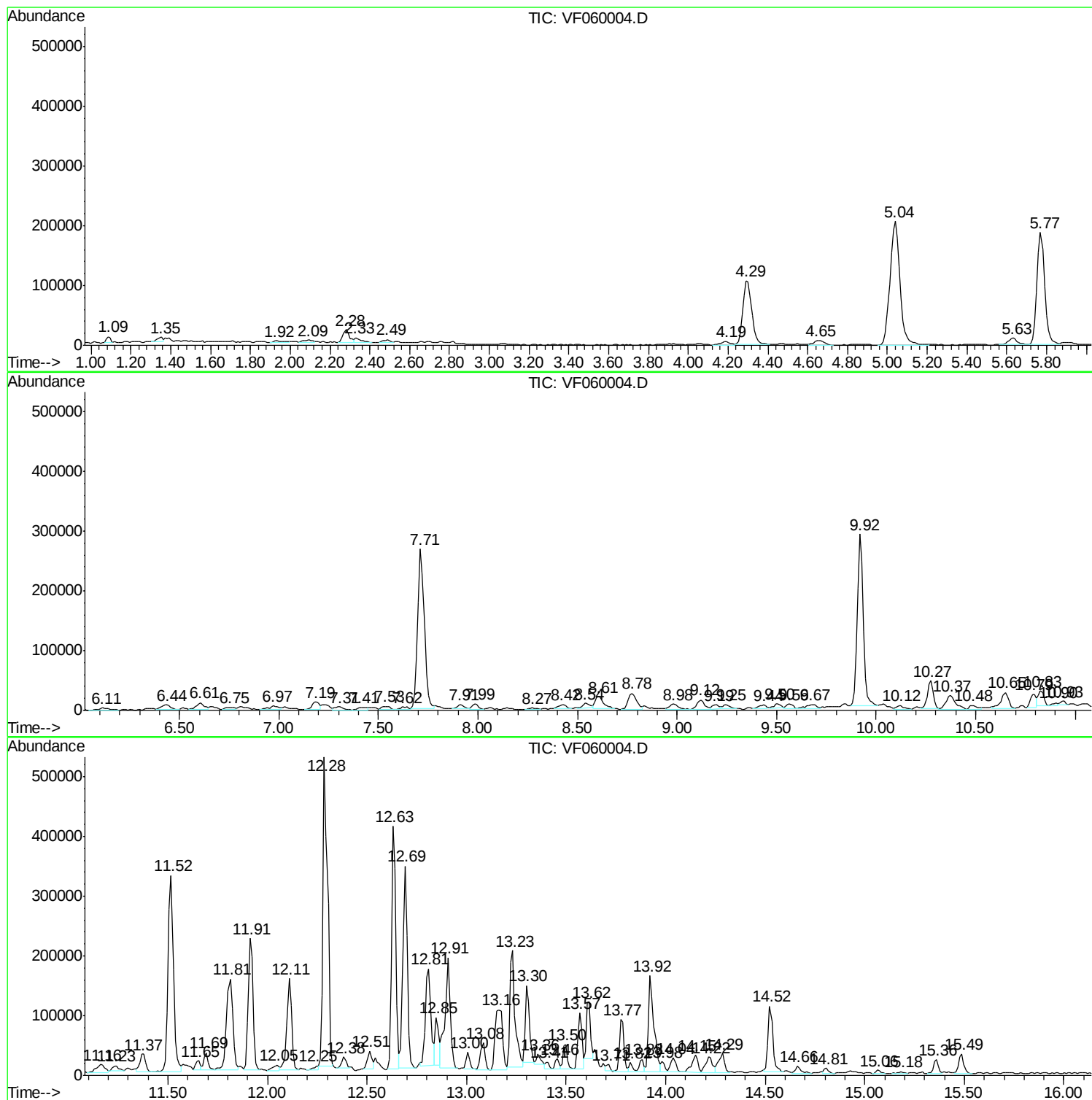
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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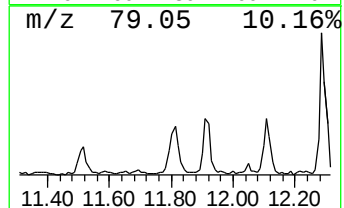
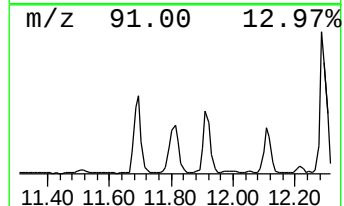
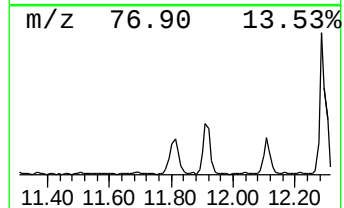
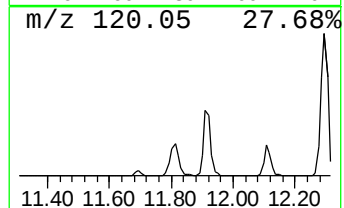
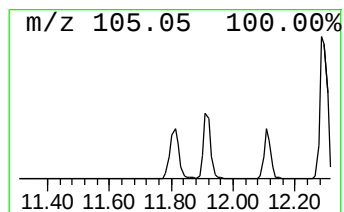
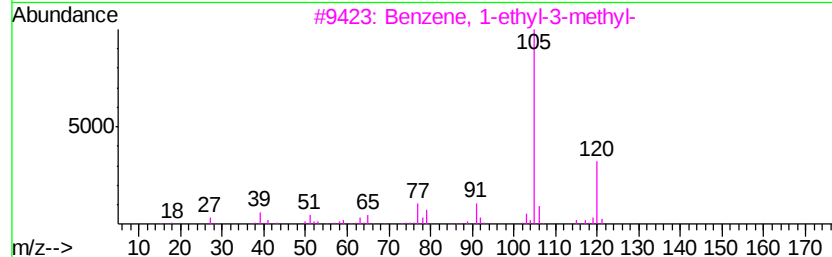
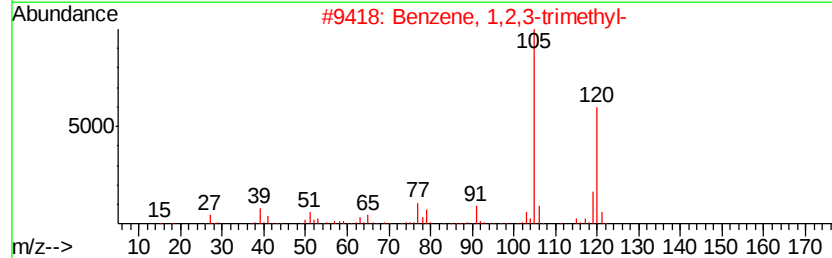
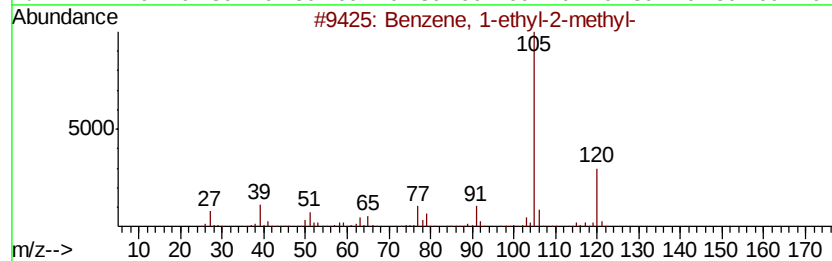
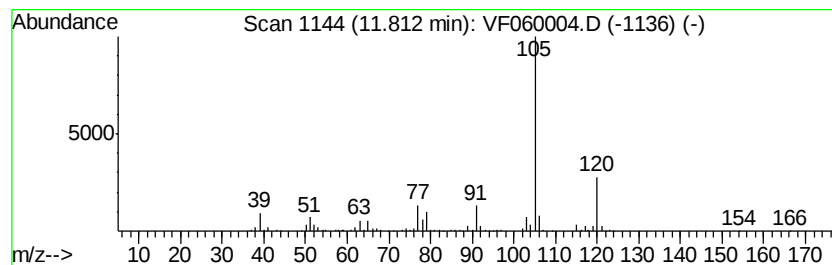
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	25.67 ug/l	316515	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



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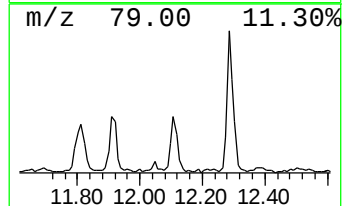
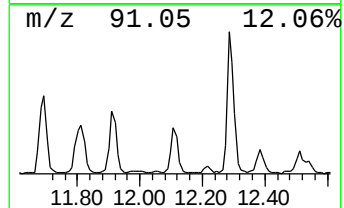
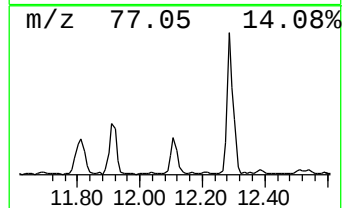
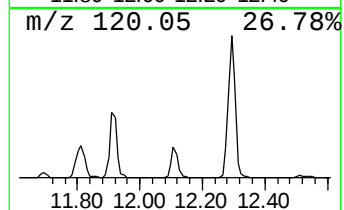
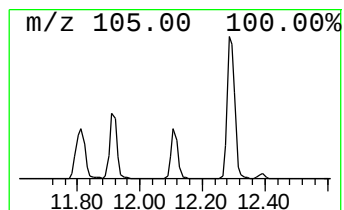
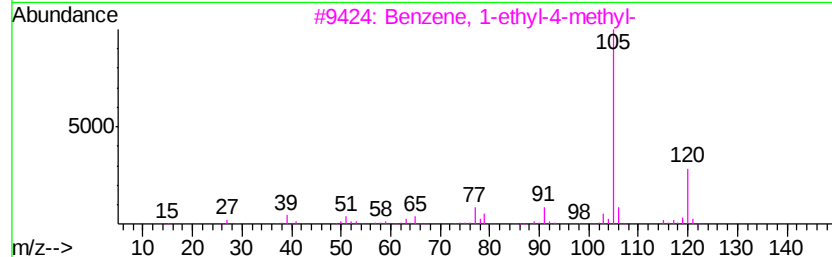
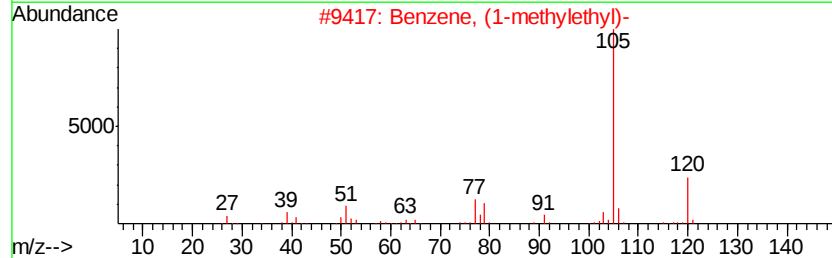
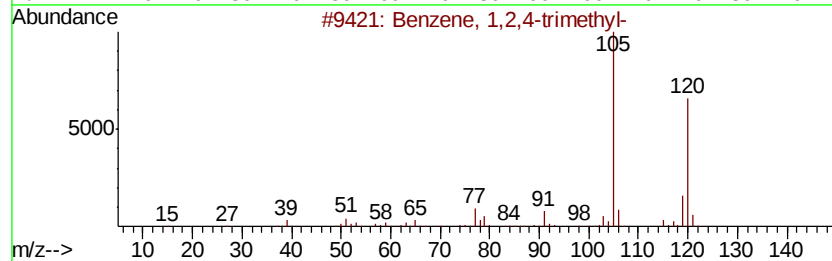
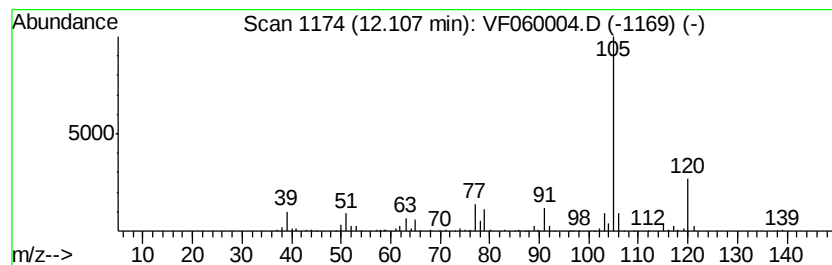
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	19.19 ug/l	236594	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



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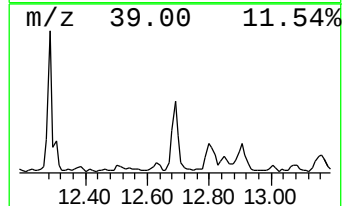
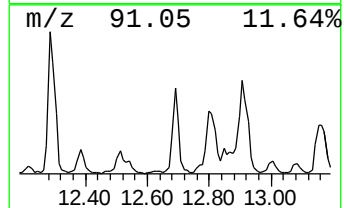
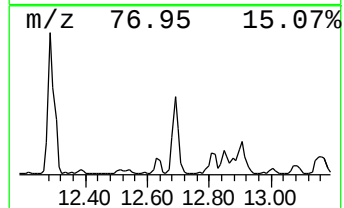
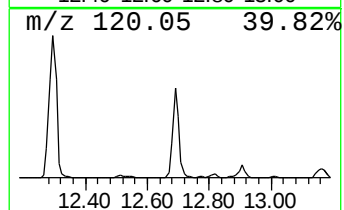
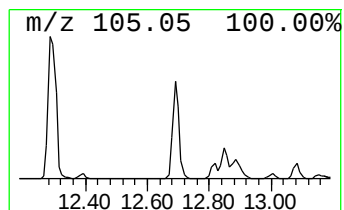
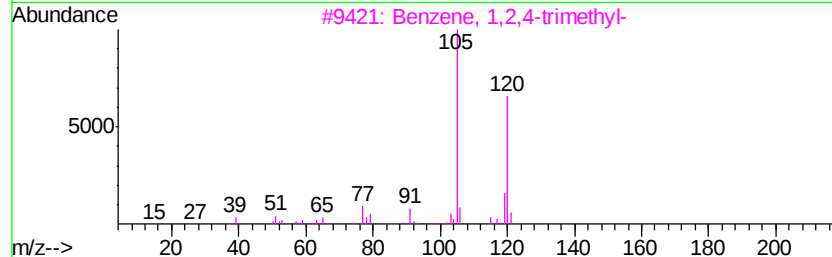
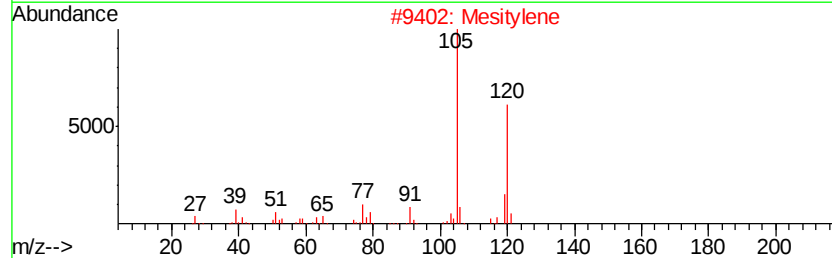
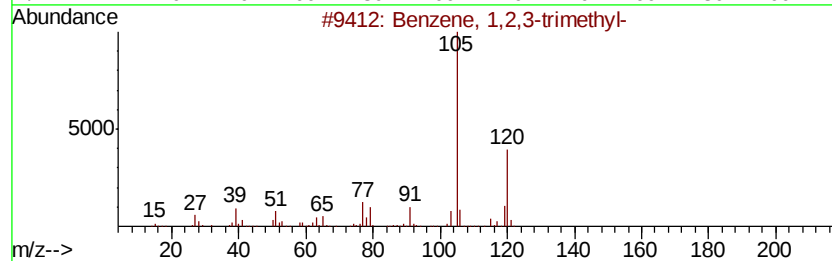
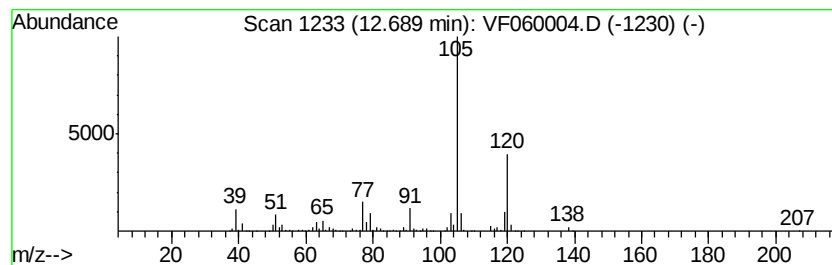
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Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	39.22 ug/l	483476	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

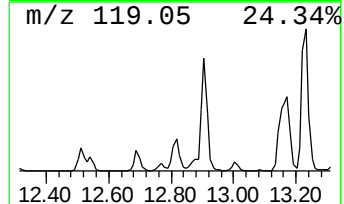
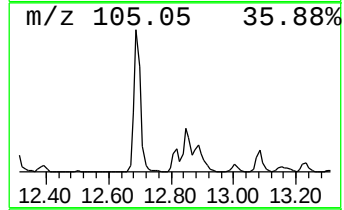
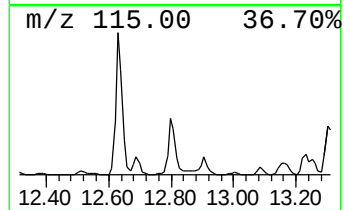
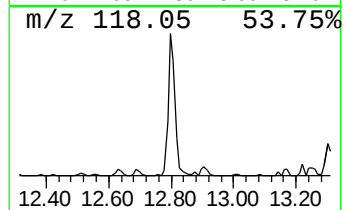
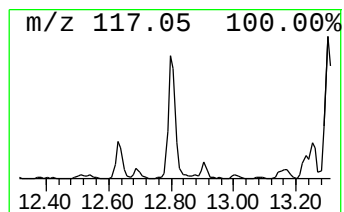
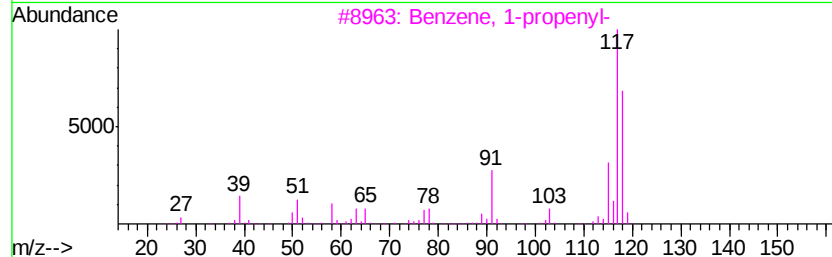
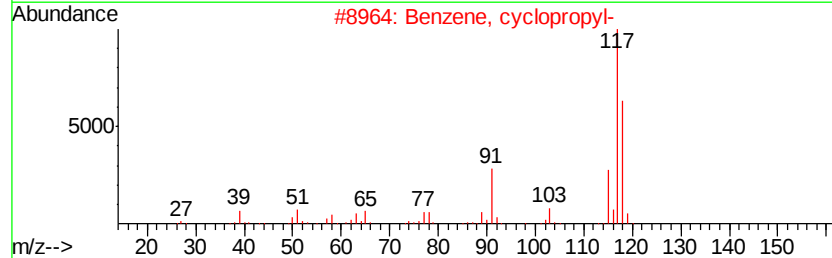
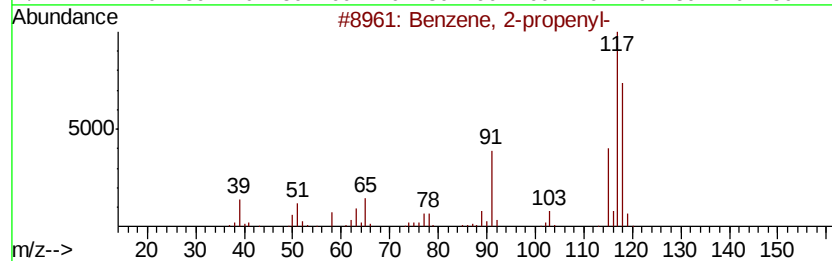
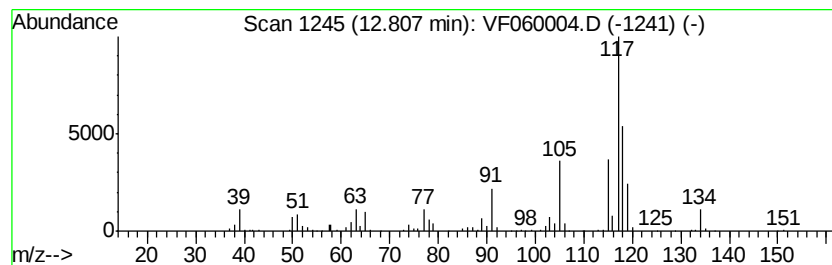
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	26.59 ug/l	327742	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	60
5		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

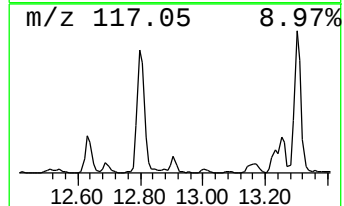
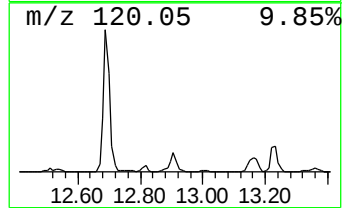
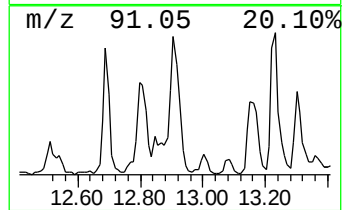
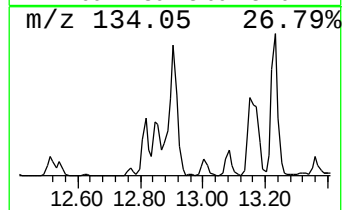
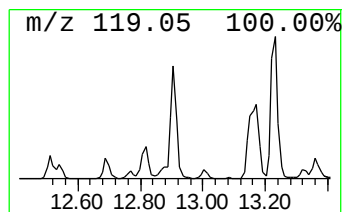
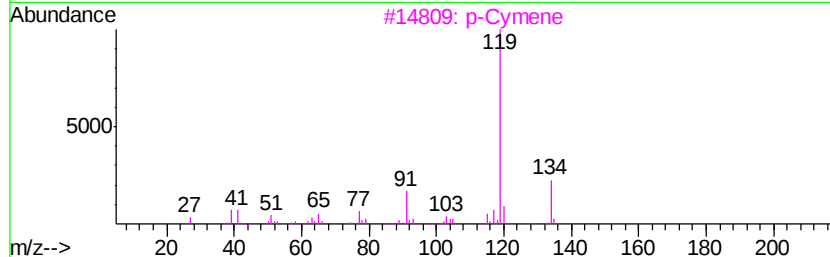
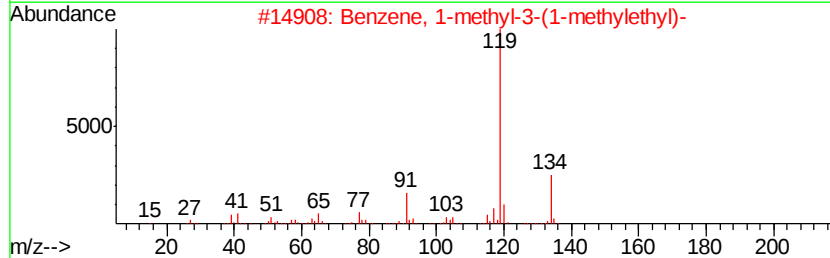
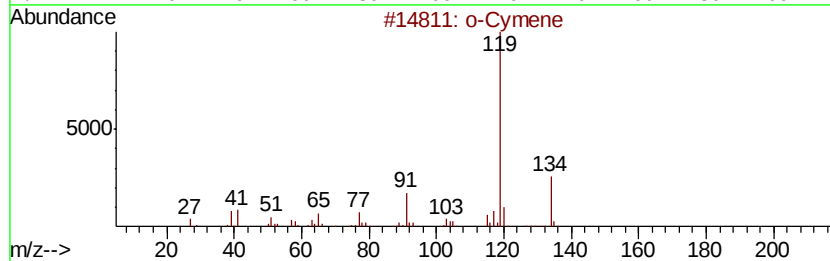
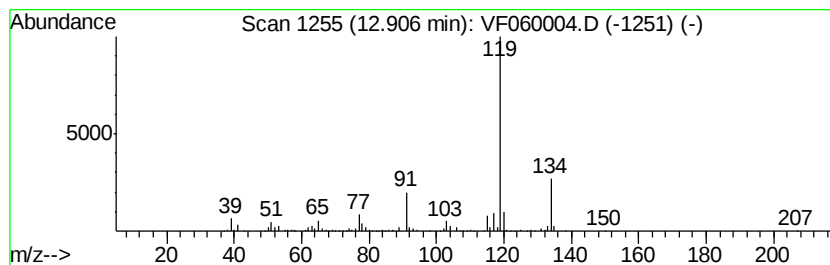
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	28.09 ug/l	346248	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	97
3		p-Cymene	134	C10H14	000099-87-6	97
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

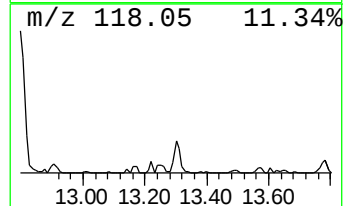
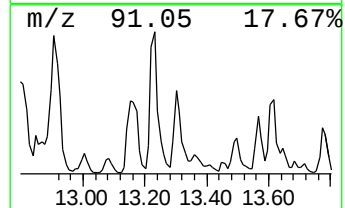
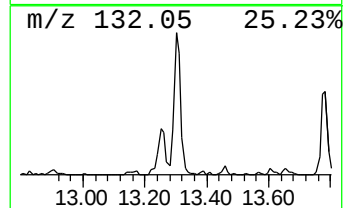
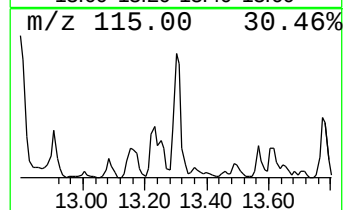
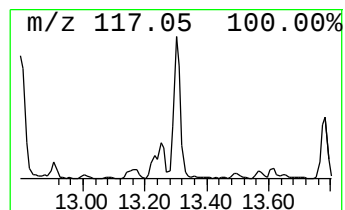
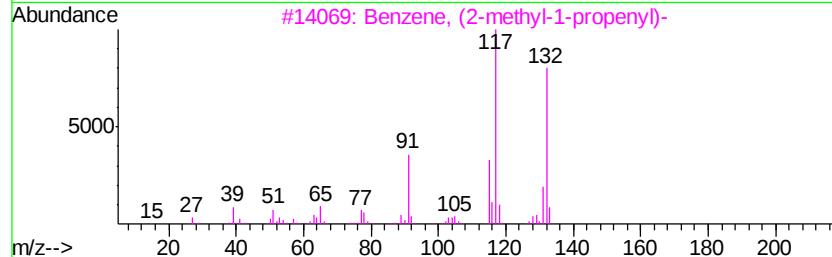
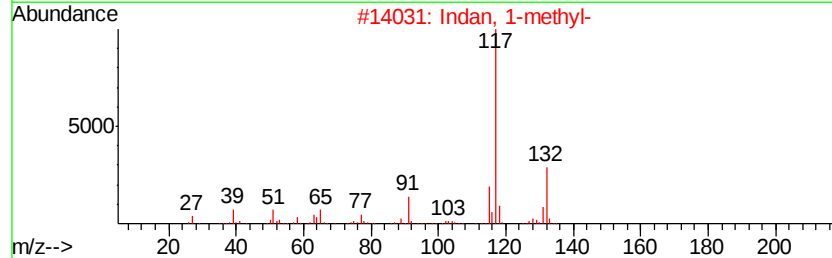
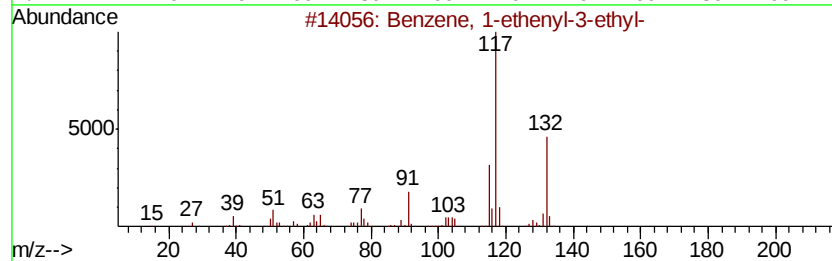
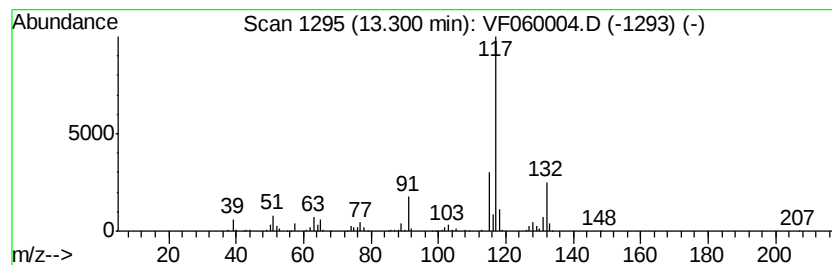
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	15.70 ug/l	193604	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02a/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

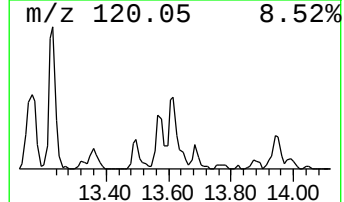
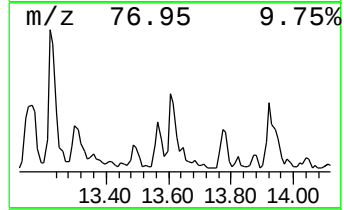
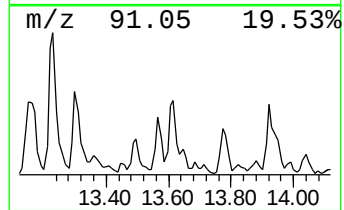
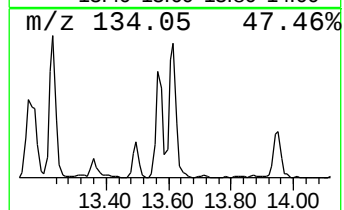
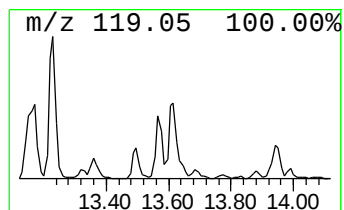
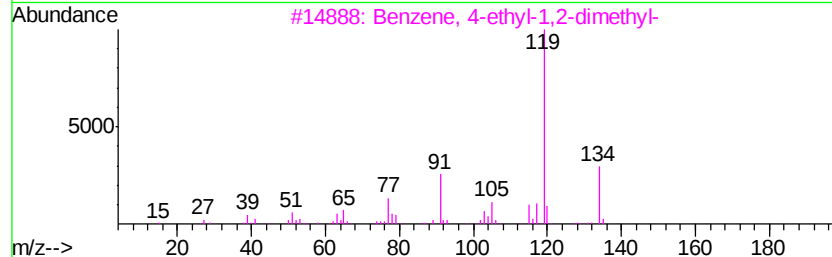
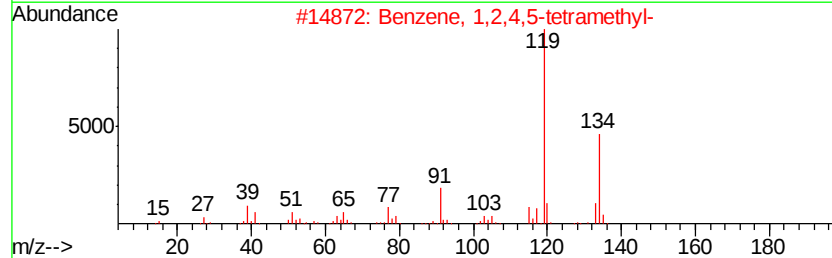
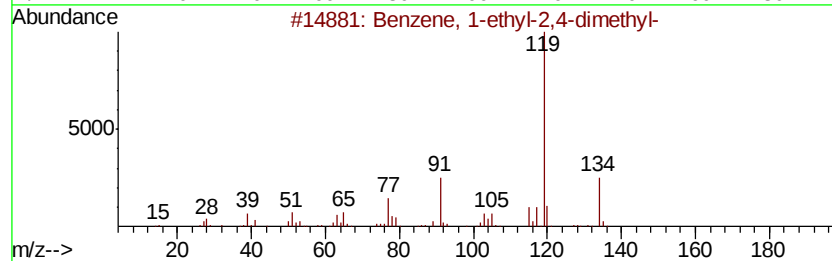
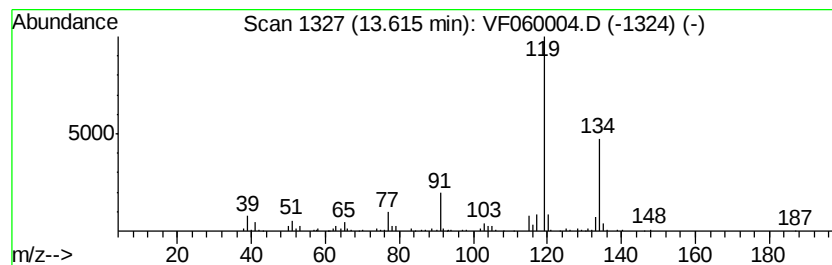
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	11.53 ug/l	142119	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

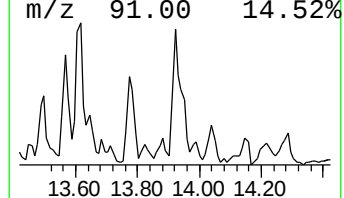
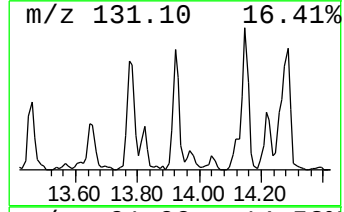
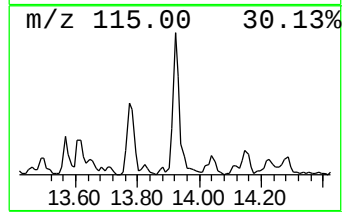
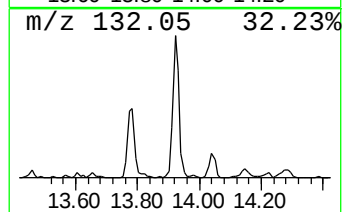
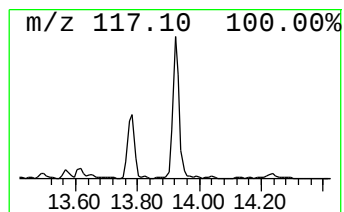
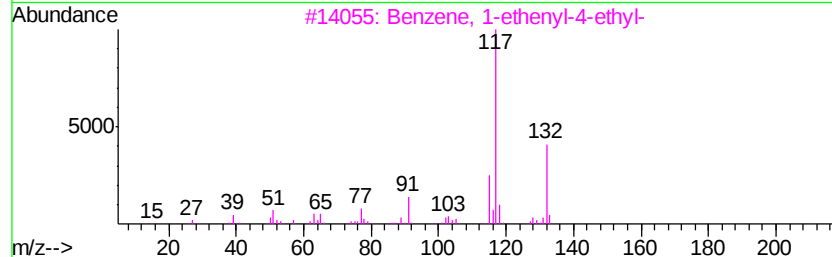
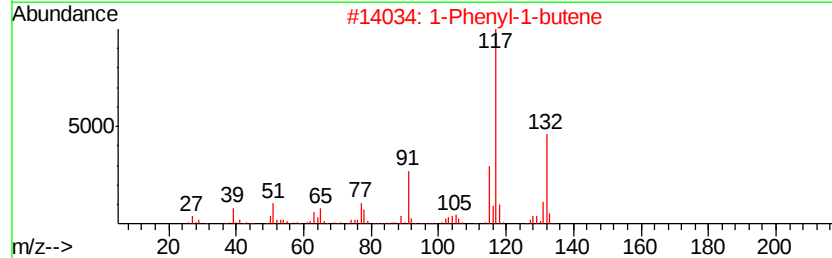
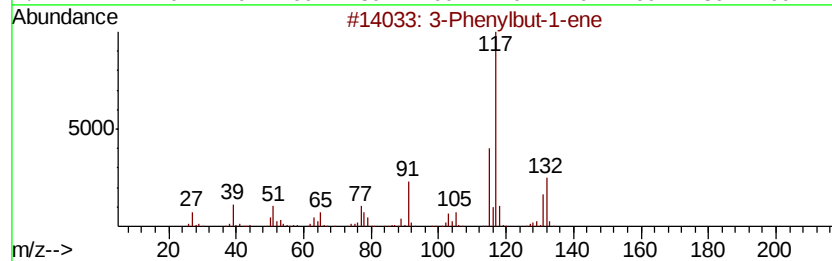
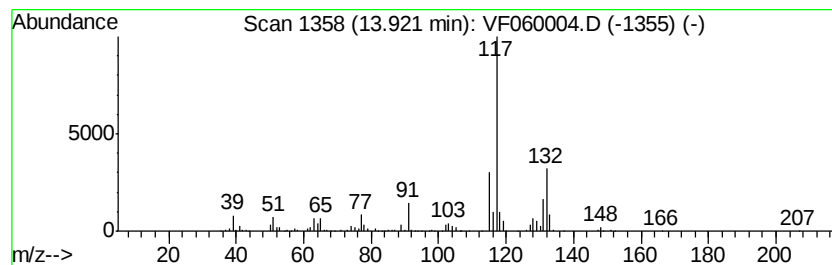
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Quant Title : SW846 8260

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

Peak Number 10 3-Phenylbut-1-ene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	24.74 ug/l	304984	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5		Indan, 1-methyl-	132	C10H12	000767-58-8	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF082018\
Data File : VF060004.D
Acq On : 20 Aug 2018 16:09
Operator : VA/AP
Sample : J4274-03
Misc : 4.02g/5mL/MSVOA_F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HD-02-081718

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.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-...	11.81	25.7	ug/l	316515	4	12.63	616405	50.0
Benzene, 1,2,4-tr...	12.11	19.2	ug/l	236594	4	12.63	616405	50.0
Benzene, 1,2,3-tr...	12.69	39.2	ug/l	483476	4	12.63	616405	50.0
Benzene, 2-propenyl-	12.81	26.6	ug/l	327742	4	12.63	616405	50.0
o-Cymene	12.91	28.1	ug/l	346248	4	12.63	616405	50.0
Benzene, 1-etheny...	13.30	15.7	ug/l	193604	4	12.63	616405	50.0
Benzene, 1-ethyl-...	13.62	11.5	ug/l	142119	4	12.63	616405	50.0
3-Phenylbut-1-ene	13.92	24.7	ug/l	304984	4	12.63	616405	50.0