

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060963.D
 Acq On : 10 Dec 2018 19:47
 Operator : VA/AP
 Sample : J6214-31
 Misc : 5.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2(15-17)

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	42	45	49	rBV2	13832	23615	2.19%	0.187%
2	2.235	158	163	171	rVV2	27276	90656	8.40%	0.719%
3	2.363	174	176	183	rVB5	6201	13449	1.25%	0.107%
4	4.010	335	343	345	rBV4	8168	24423	2.26%	0.194%
5	4.109	347	353	362	rVB	148540	439148	40.67%	3.485%
6	4.336	371	376	379	rBV2	7261	19568	1.81%	0.155%
7	4.859	420	429	444	rBV2	301826	1079652	100.00%	8.569%
8	5.589	496	503	513	rBV	368983	1010231	93.57%	8.018%
9	6.259	563	571	577	rBV4	8413	31337	2.90%	0.249%
10	6.437	584	589	592	rBV5	7384	20786	1.93%	0.165%
11	7.137	654	660	667	rVB2	6371	20993	1.94%	0.167%
12	7.552	696	702	714	rVB	410156	984998	91.23%	7.817%
13	8.213	765	769	773	rBV3	5853	14323	1.33%	0.114%
14	8.449	790	793	797	rVV5	4715	10837	1.00%	0.086%
15	8.952	840	844	850	rBV6	5640	19756	1.83%	0.157%
16	9.110	856	860	866	rVB4	9778	25687	2.38%	0.204%
17	9.288	874	878	883	rBV3	7048	18458	1.71%	0.146%
18	9.515	897	901	907	rBV6	5838	19273	1.79%	0.153%
19	9.633	909	913	915	rBV3	6737	14563	1.35%	0.116%
20	9.771	921	927	936	rBV	488756	1065309	98.67%	8.455%
21	9.890	936	939	943	rVV5	9534	19663	1.82%	0.156%
22	9.968	944	947	953	rVB6	4767	11836	1.10%	0.094%
23	10.126	959	963	967	rVB	16548	33650	3.12%	0.267%
24	10.235	969	974	980	rBV7	7623	28739	2.66%	0.228%
25	10.521	996	1003	1006	rBV6	6694	21962	2.03%	0.174%
26	10.669	1013	1018	1019	rBV2	11896	22807	2.11%	0.181%
27	10.708	1019	1022	1026	rVB	25191	48730	4.51%	0.387%
28	10.827	1031	1034	1038	rBV3	6091	15170	1.41%	0.120%
29	11.034	1051	1055	1059	rBV4	7085	20646	1.91%	0.164%
30	11.113	1061	1063	1065	rVV2	9558	16497	1.53%	0.131%
31	11.152	1065	1067	1070	rVB2	10244	14576	1.35%	0.116%
32	11.211	1070	1073	1076	rBV	40480	68666	6.36%	0.545%
33	11.271	1076	1079	1084	rVB2	21605	41978	3.89%	0.333%
34	11.409	1089	1093	1099	rBV	386779	675379	62.56%	5.360%

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Integrator: RTE
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35	11.557	1104	1108	1109	rVV3	14596	27299	2.53%	0.217%
36	11.596	1109	1112	1116	rVV	14075	35978	3.33%	0.286%
37	11.655	1116	1118	1120	rVV2	20999	33616	3.11%	0.267%
38	11.714	1120	1124	1128	rVV	64636	135615	12.56%	1.076%
39	11.823	1132	1135	1139	rVB	17010	26614	2.47%	0.211%
40	11.892	1139	1142	1143	rBV2	7254	11469	1.06%	0.091%
41	11.951	1143	1148	1149	rVV3	7660	13938	1.29%	0.111%
42	12.020	1149	1155	1158	rVV	181890	316418	29.31%	2.511%
43	12.070	1158	1160	1165	rVB	19782	31603	2.93%	0.251%
44	12.198	1170	1173	1177	rVV	330761	491936	45.56%	3.904%
45	12.287	1178	1182	1188	rVB3	35943	72671	6.73%	0.577%
46	12.385	1188	1192	1194	rBV3	11948	22929	2.12%	0.182%
47	12.425	1194	1196	1197	rVV2	20724	28029	2.60%	0.222%
48	12.454	1197	1199	1202	rVV	34376	48034	4.45%	0.381%
49	12.543	1205	1208	1212	rVV	520343	872915	80.85%	6.928%
50	12.602	1212	1214	1219	rVV	100699	155998	14.45%	1.238%
51	12.721	1222	1226	1230	rBV2	110368	252571	23.39%	2.005%
52	12.809	1230	1235	1242	rVB5	77502	220007	20.38%	1.746%
53	12.928	1242	1247	1252	rBV7	22238	54844	5.08%	0.435%
54	13.007	1252	1255	1258	rVB	59125	95958	8.89%	0.762%
55	13.076	1258	1262	1267	rBV2	131053	328259	30.40%	2.605%
56	13.155	1267	1270	1275	rVV	182856	319934	29.63%	2.539%
57	13.224	1275	1277	1281	rVV	89968	142068	13.16%	1.128%
58	13.283	1281	1283	1286	rVV	31075	47940	4.44%	0.380%
59	13.332	1286	1288	1290	rVV2	15211	21730	2.01%	0.172%
60	13.382	1290	1293	1294	rVV3	19122	25950	2.40%	0.206%
61	13.421	1294	1297	1301	rVV	64001	89087	8.25%	0.707%
62	13.490	1301	1304	1306	rVV	135602	185507	17.18%	1.472%
63	13.539	1306	1309	1312	rVV	229362	351322	32.54%	2.788%
64	13.638	1315	1319	1321	rBV4	12993	19055	1.76%	0.151%
65	13.707	1323	1326	1328	rBV	152161	212076	19.64%	1.683%
66	13.756	1328	1331	1333	rVV4	20117	36248	3.36%	0.288%
67	13.806	1333	1336	1338	rVV	33962	50914	4.72%	0.404%
68	13.845	1338	1340	1345	rVV2	213935	408094	37.80%	3.239%
69	13.914	1345	1347	1349	rVV2	37262	53730	4.98%	0.426%
70	13.963	1349	1352	1355	rVB3	38572	54894	5.08%	0.436%
71	14.072	1361	1363	1366	rVB	56364	84500	7.83%	0.671%

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72	14.151	1366	1371	1373	rBV3	84776	187122	17.33%	1.485%
73	14.210	1375	1377	1381	rVV2	68008	114008	10.56%	0.905%
74	14.299	1384	1386	1389	rBV3	14017	21489	1.99%	0.171%
75	14.358	1390	1392	1395	rVB3	12454	12743	1.18%	0.101%
76	14.457	1396	1402	1404	rBV	85269	159394	14.76%	1.265%
77	14.496	1404	1406	1408	rVB2	24536	31964	2.96%	0.254%
78	14.585	1413	1415	1419	rVV	49602	85149	7.89%	0.676%
79	14.733	1423	1430	1434	rBV3	54664	118471	10.97%	0.940%
80	14.861	1439	1443	1449	rVB4	34699	118269	10.95%	0.939%
81	14.989	1454	1456	1464	rVB7	17642	49368	4.57%	0.392%
82	15.108	1466	1468	1470	rBV2	10628	13775	1.28%	0.109%
83	15.275	1483	1485	1488	rVB	43604	61735	5.72%	0.490%
84	15.325	1488	1490	1493	rVV3	10286	14011	1.30%	0.111%
85	15.404	1493	1498	1504	rVB	70840	145029	13.43%	1.151%
86	15.808	1536	1539	1543	rVB2	39820	69966	6.48%	0.555%
87	16.055	1561	1564	1567	rBV5	12345	30534	2.83%	0.242%

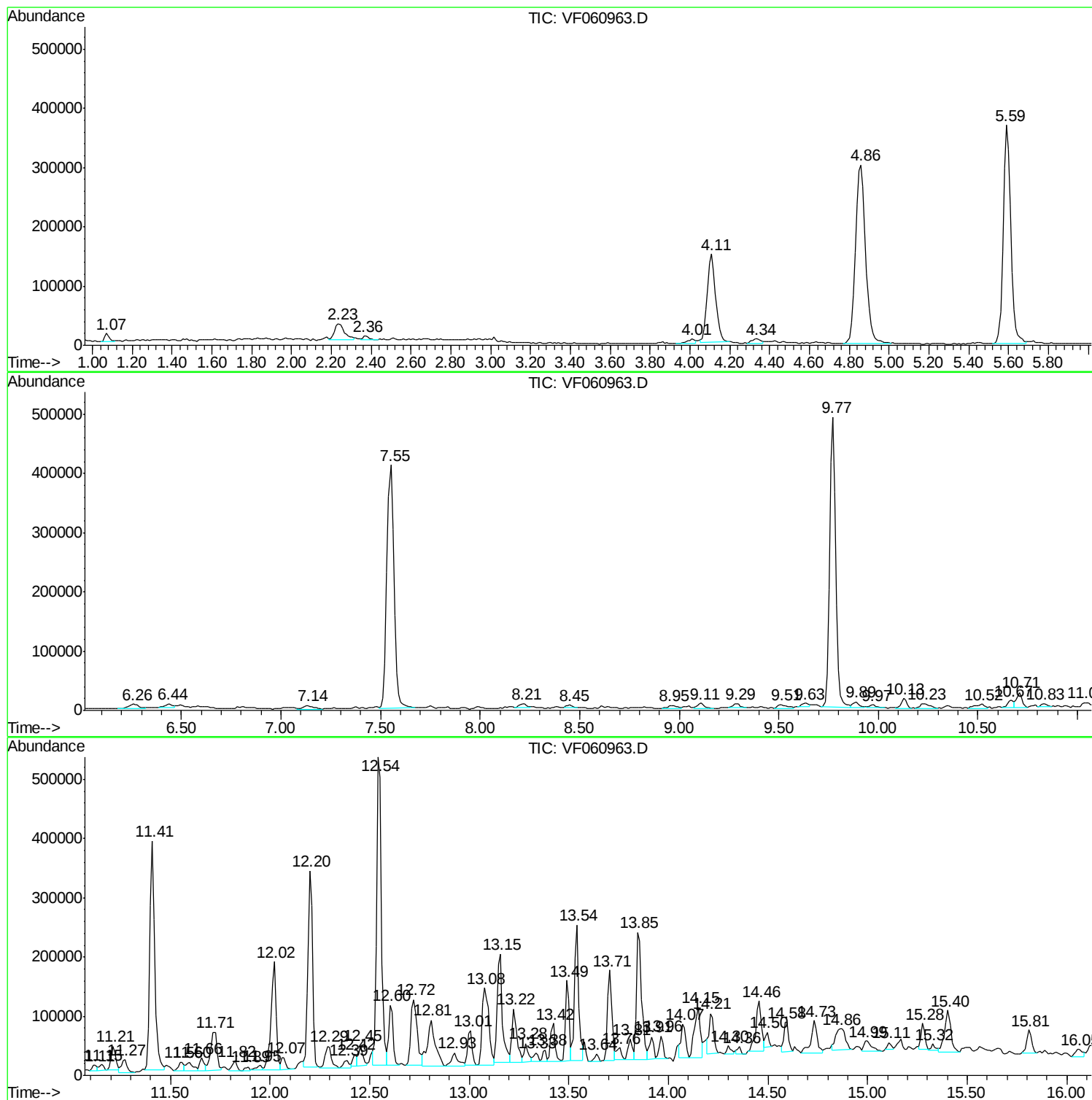
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Instrument :
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ClientSampleId :
SB-2(15-17)

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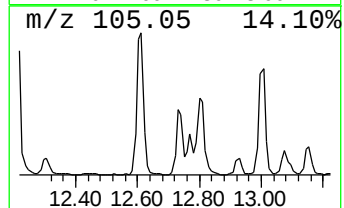
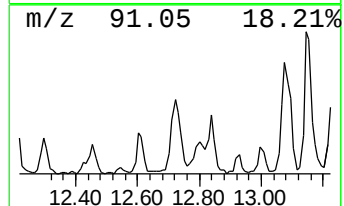
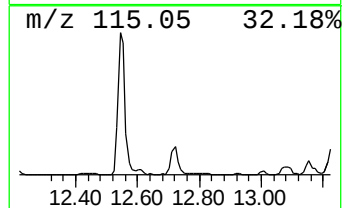
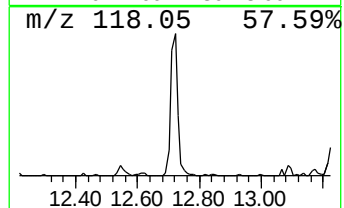
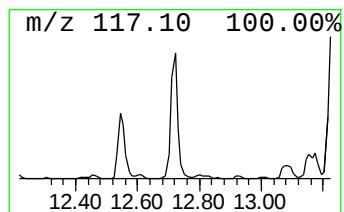
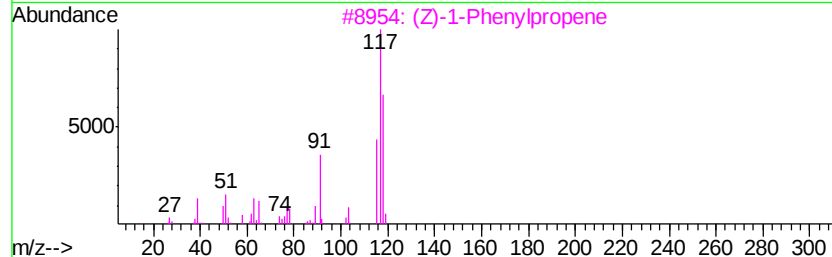
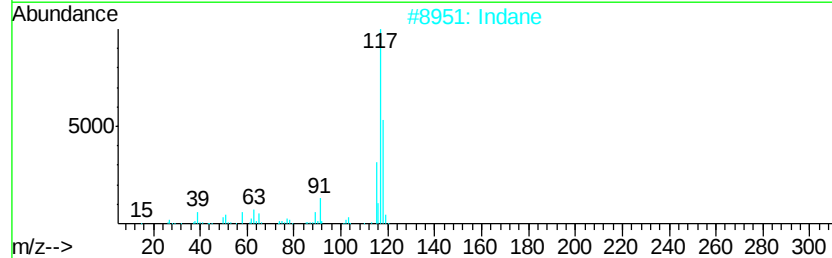
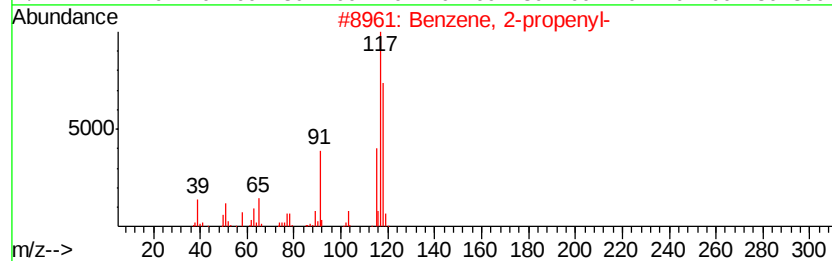
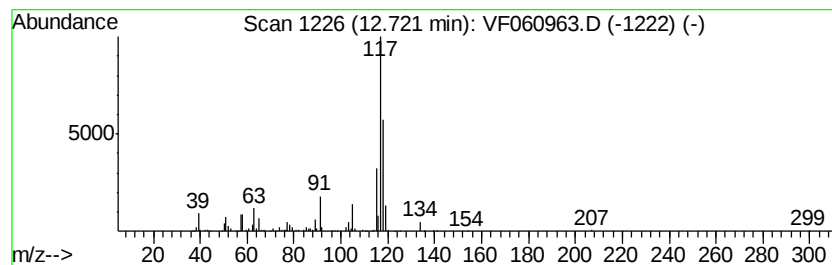
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	14.47 ug/l	252571	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
2		Indane	118	C9H10	000496-11-7	76
3		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	76



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ALS Vial : 15 Sample Multiplier: 1

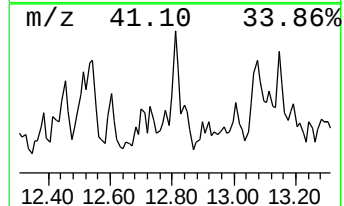
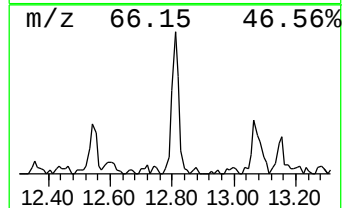
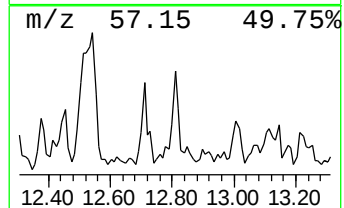
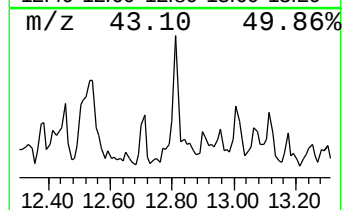
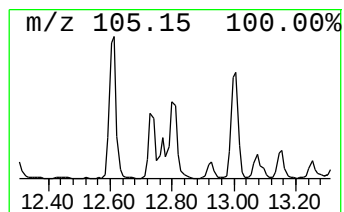
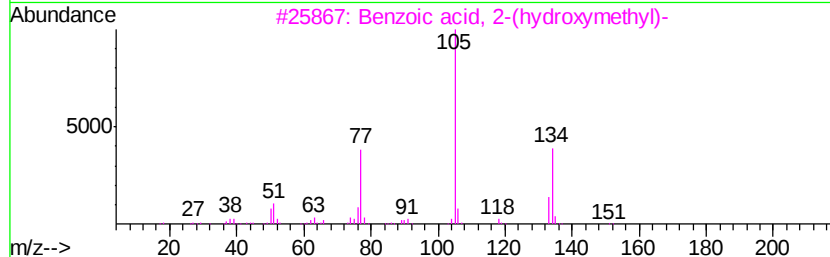
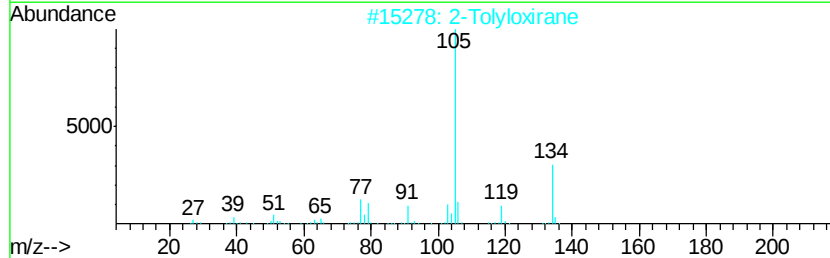
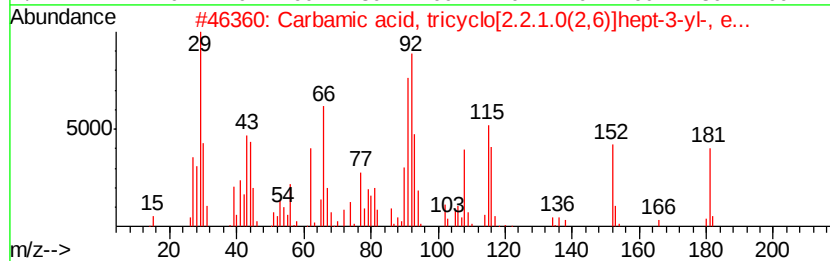
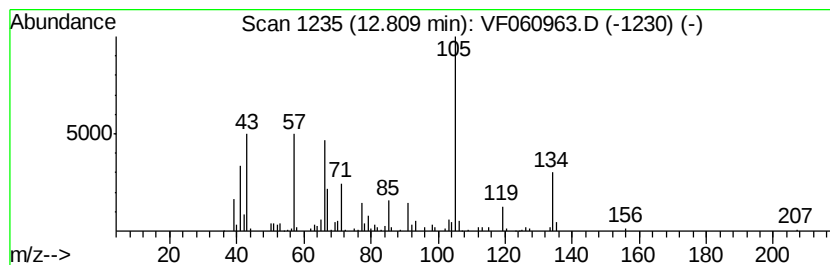
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown12.81 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	12.60 ug/l	220007	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Carbamic acid, tricyclo[2.2.1.0(...	181 C10H15N02	000709-70-6 28
2		2-Tolyloxirane	134 C9H10O	002783-26-8 15
3		Benzoic acid, 2-(hydroxymethyl)-	152 C8H8O3	000612-20-4 7
4		Benzoic acid, 2-methyl-, (2-meth...	240 C16H16O2	055133-99-8 7
5		5-Bromomethyl-6-nitro-bicyclo[2....	231 C8H10BrN02	1000187-23-5 4



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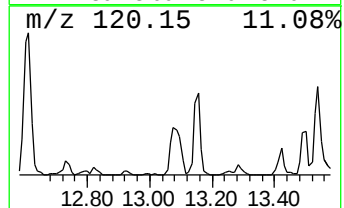
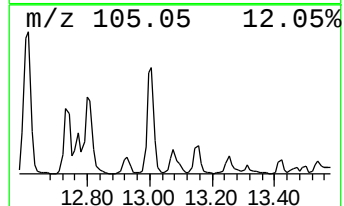
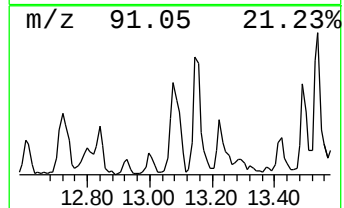
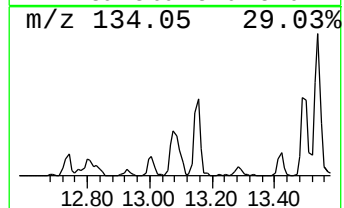
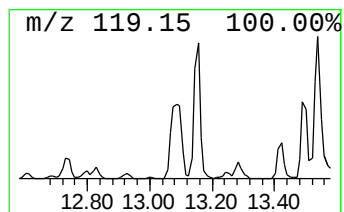
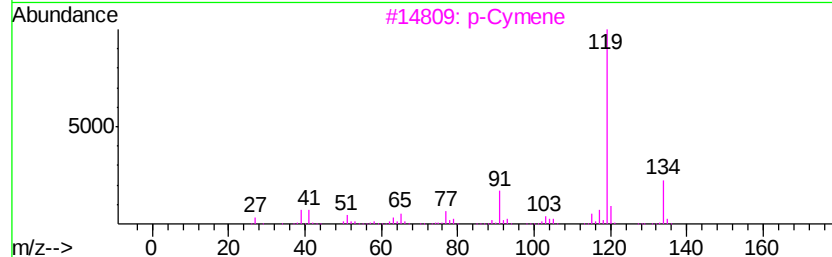
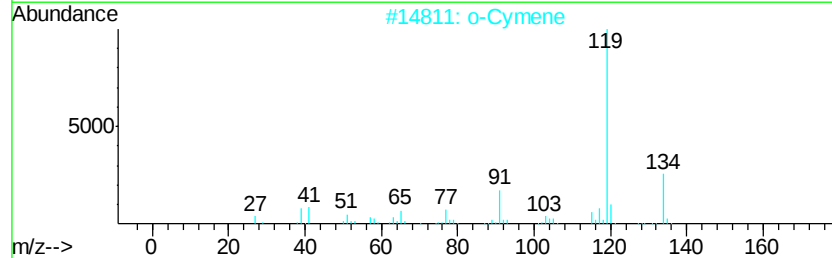
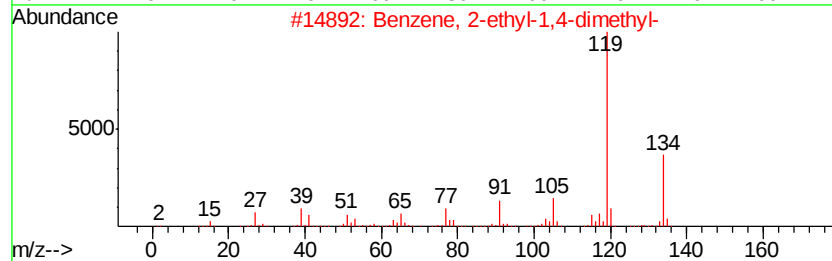
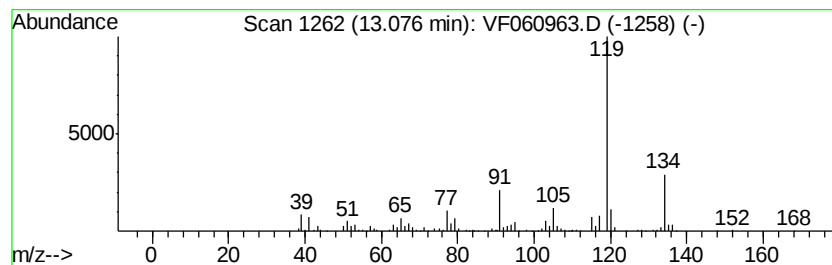
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	18.80 ug/l	328259	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		p-Cymene	134	C10H14	000099-87-6	94
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



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SB-2(15-17)

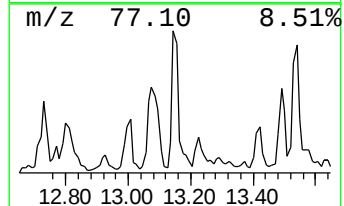
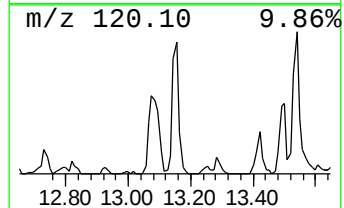
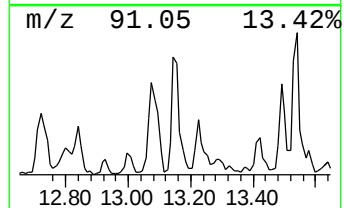
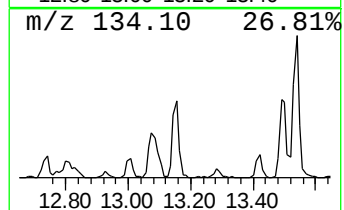
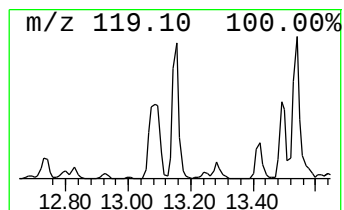
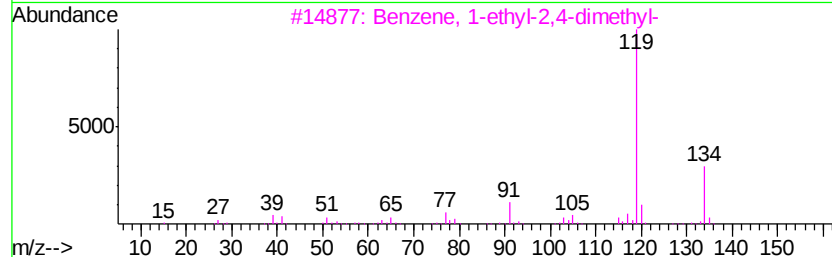
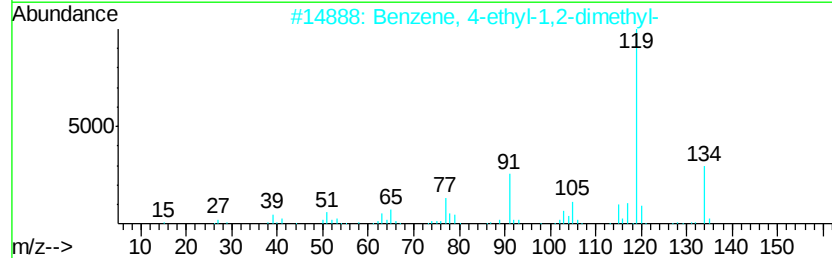
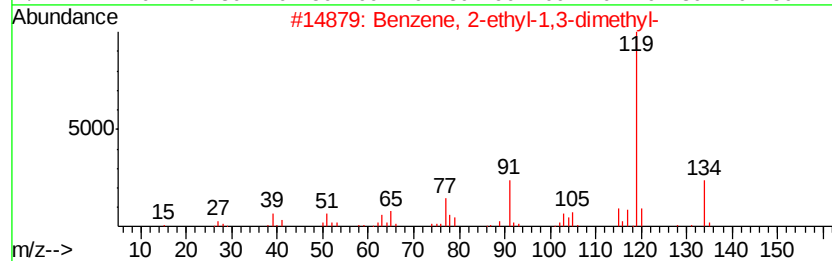
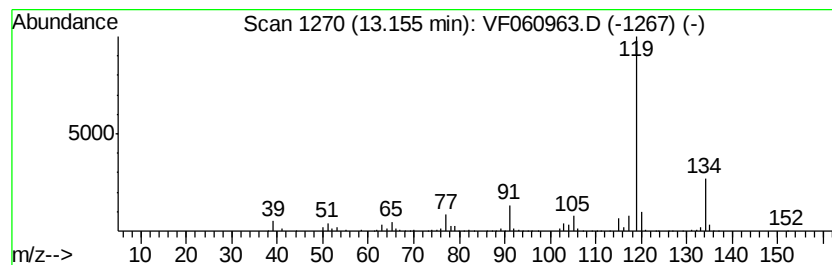
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Quant Title : SW846 8260

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.
13.15	18.33 ug/l	319934	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060963.D
Acq On : 10 Dec 2018 19:47
Operator : VA/AP
Sample : J6214-31
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-2(15-17)

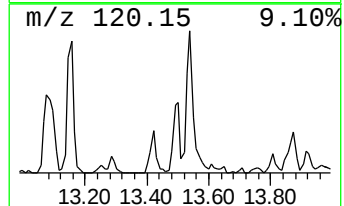
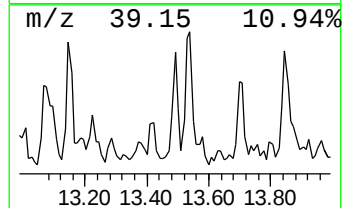
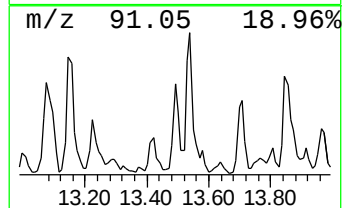
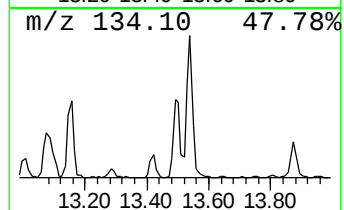
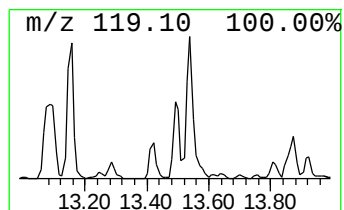
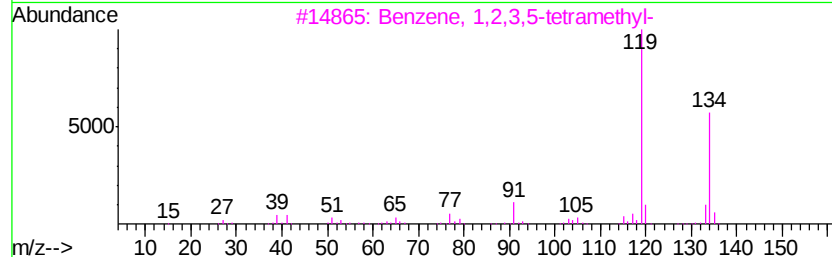
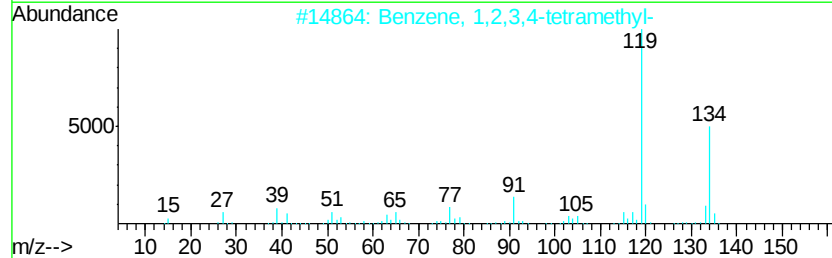
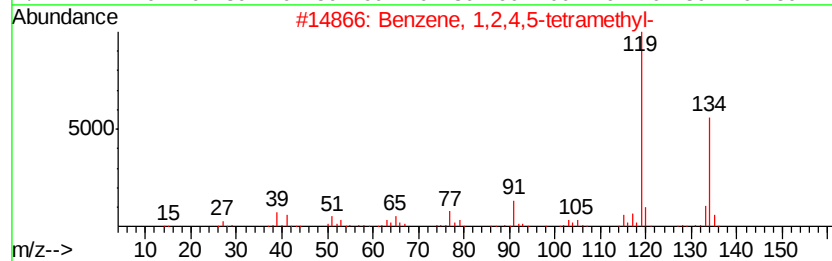
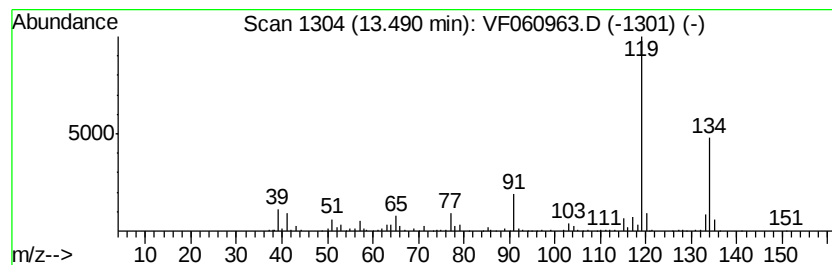
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	10.63 ug/l	185507	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060963.D
Acq On : 10 Dec 2018 19:47
Operator : VA/AP
Sample : J6214-31
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

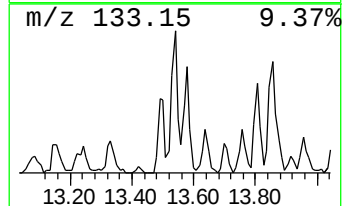
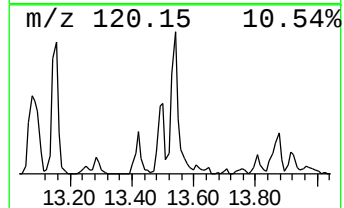
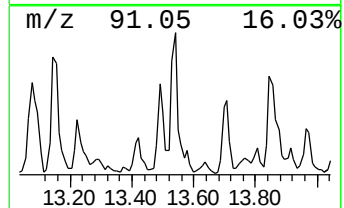
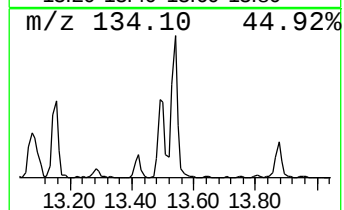
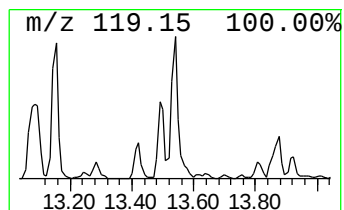
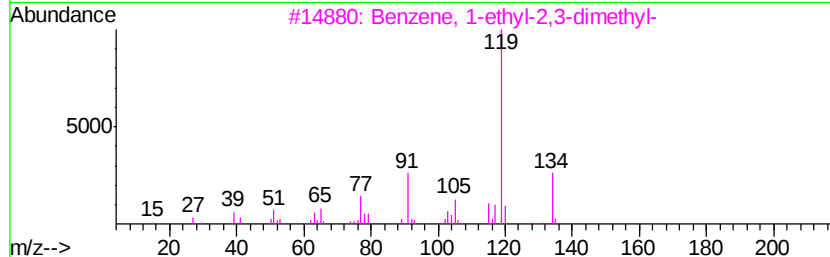
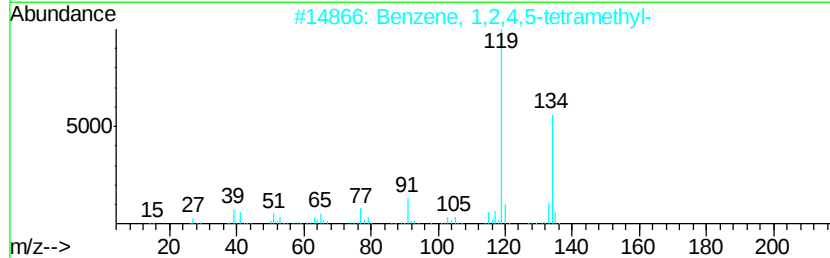
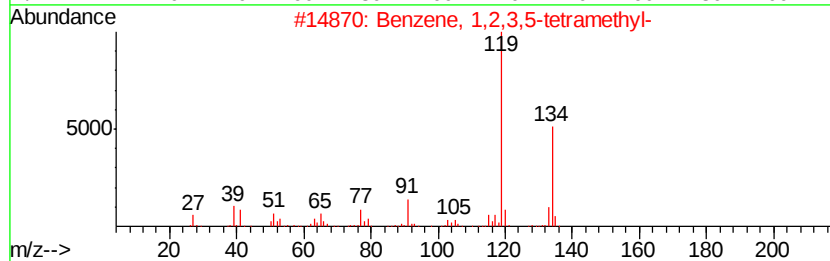
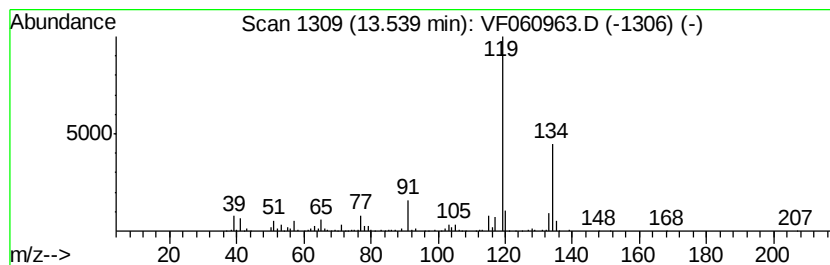
Instrument :
MSVOA_F
ClientSampleId :
SB-2(15-17)

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 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	20.12 ug/l	351322	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1,2,3,5-tetramethyl-	134 C10H14	000527-53-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060963.D
Acq On : 10 Dec 2018 19:47
Operator : VA/AP
Sample : J6214-31
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleID :
SB-2(15-17)

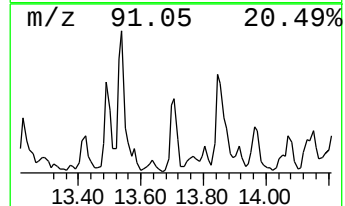
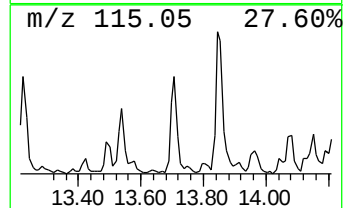
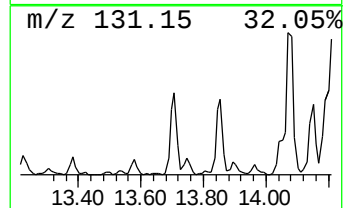
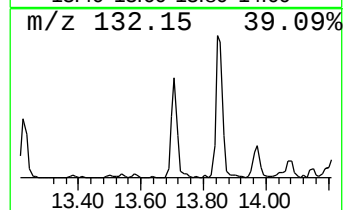
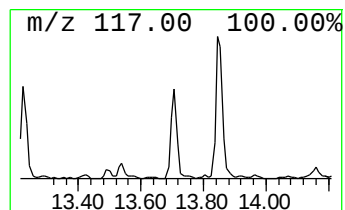
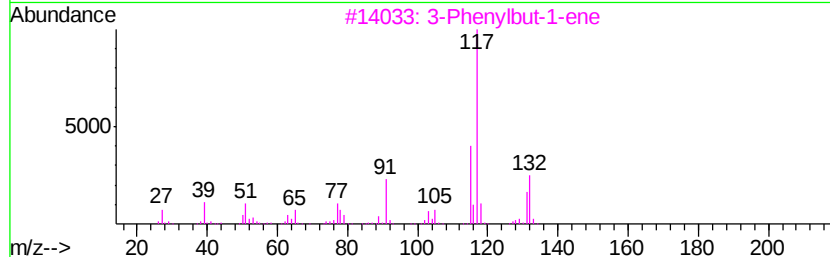
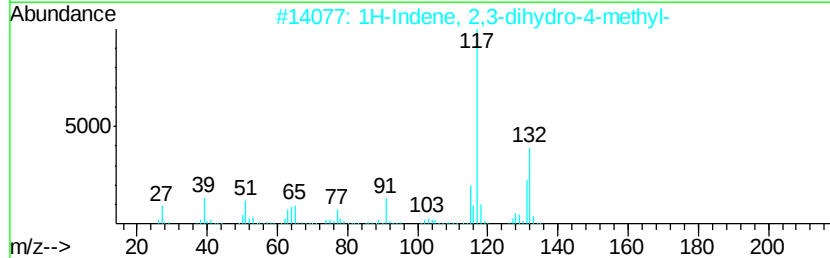
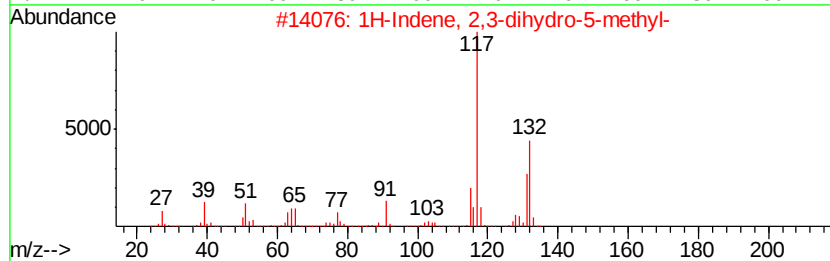
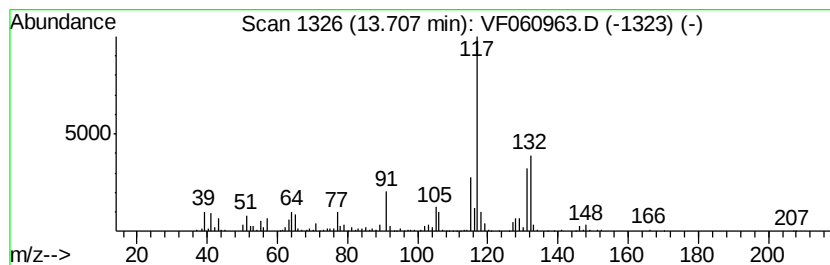
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Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	12.15 ug/l	212076	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060963.D
Acq On : 10 Dec 2018 19:47
Operator : VA/AP
Sample : J6214-31
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-2(15-17)

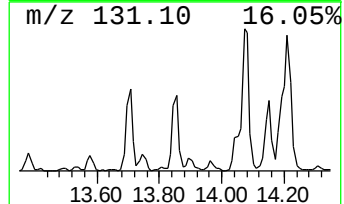
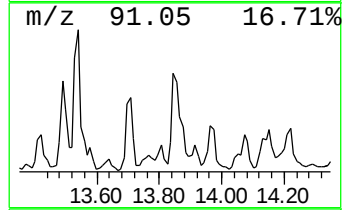
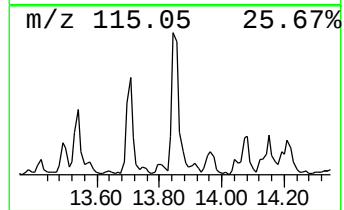
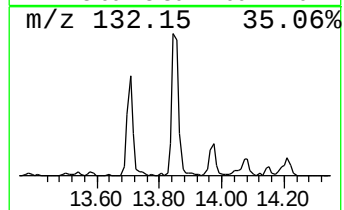
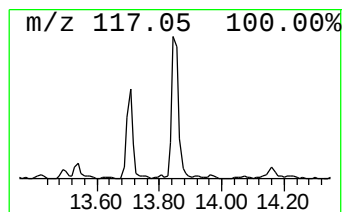
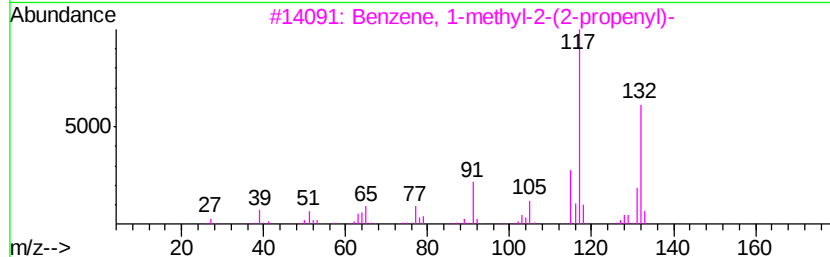
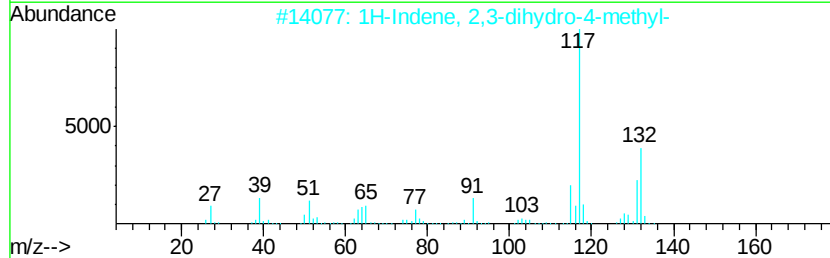
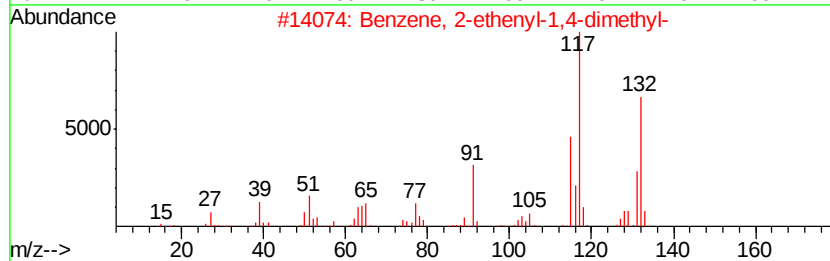
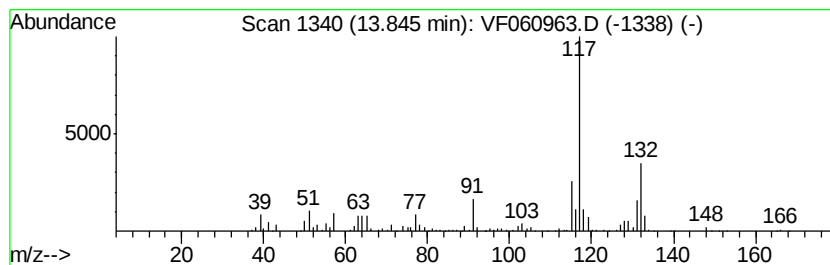
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	23.38 ug/l	408094	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060963.D
Acq On : 10 Dec 2018 19:47
Operator : VA/AP
Sample : J6214-31
Misc : 5.95g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

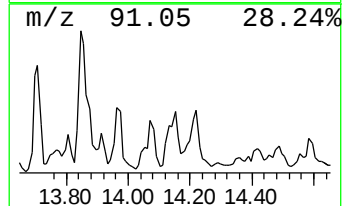
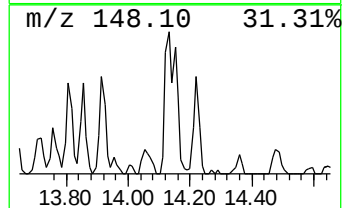
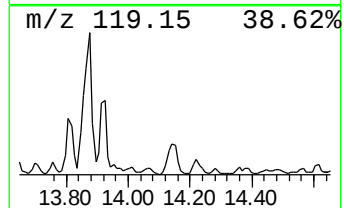
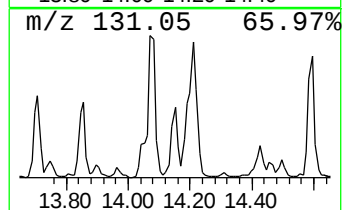
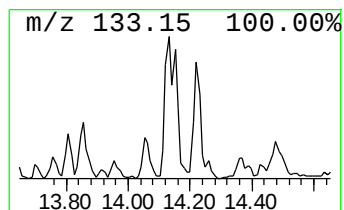
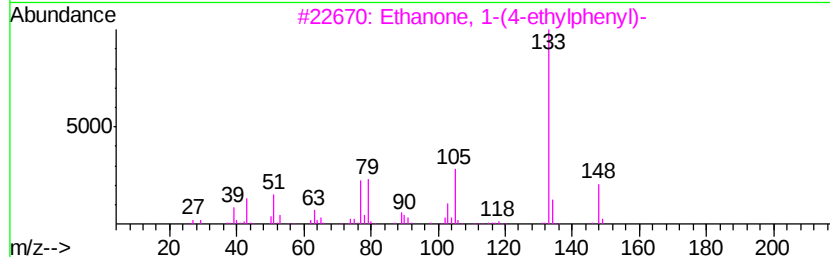
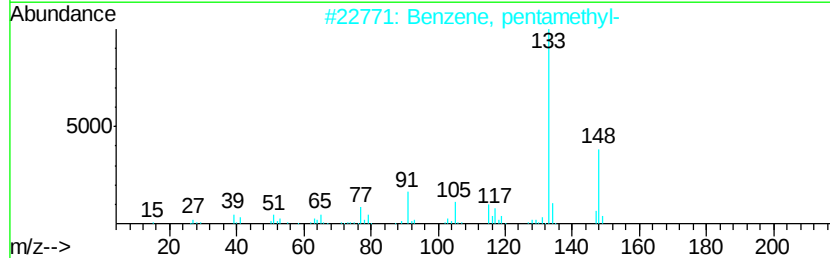
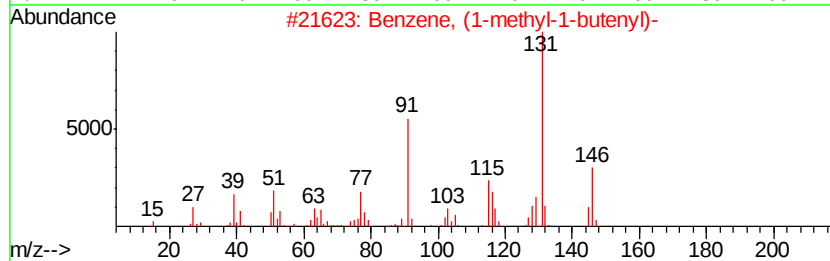
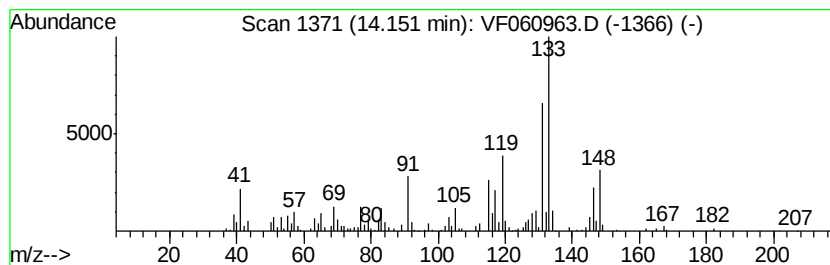
Instrument :
MSVOA_F
ClientSampleId :
SB-2(15-17)

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	10.72 ug/l	187122	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2 70
2		Benzene, pentamethyl-	148 C11H16	000700-12-9 43
3		Ethanone, 1-(4-ethylphenyl)-	148 C10H12O	000937-30-4 42
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 38
5		Benzene, (1,1-dimethyl-2-propenyl)-	146 C11H14	018321-36-3 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060963.D
 Acq On : 10 Dec 2018 19:47
 Operator : VA/AP
 Sample : J6214-31
 Misc : 5.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2(15-17)

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
Benzene, 2-propenyl-	12.72	14.5	ug/l	252571	4	12.55	872915	50.0
unknown12.81	12.81	12.6	ug/l	220007	4	12.55	872915	50.0
Benzene, 2-ethyl-...	13.08	18.8	ug/l	328259	4	12.55	872915	50.0
Benzene, 2-ethyl-...	13.15	18.3	ug/l	319934	4	12.55	872915	50.0
Benzene, 1,2,4,5-...	13.49	10.6	ug/l	185507	4	12.55	872915	50.0
Benzene, 1,2,3,5-...	13.54	20.1	ug/l	351322	4	12.55	872915	50.0
1H-Indene, 2,3-di...	13.71	12.2	ug/l	212076	4	12.55	872915	50.0
Benzene, 2-etheny...	13.85	23.4	ug/l	408094	4	12.55	872915	50.0
Benzene, (1-methy...	14.15	10.7	ug/l	187122	4	12.55	872915	50.0