

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
 Data File : VF060954.D
 Acq On : 10 Dec 2018 15:28
 Operator : VA/AP
 Sample : J6269-01
 Misc : 6.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

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	1.999	130	139	141	rBV	443561	1040632	7.37%	0.365%
2	2.058	141	145	153	rVV	398746	1379861	9.77%	0.484%
3	2.176	153	157	160	rVV	210713	497698	3.53%	0.175%
4	2.245	160	164	171	rVB	223899	735179	5.21%	0.258%
5	2.374	171	177	183	rBV	910301	2318157	16.42%	0.813%
6	2.926	227	233	237	rBV	523726	1492475	10.57%	0.523%
7	3.498	281	291	298	rBV5	137995	674763	4.78%	0.237%
8	3.745	305	316	326	rBV4	924515	5379029	38.10%	1.886%
9	4.011	337	343	350	rBV	636393	2150368	15.23%	0.754%
10	4.120	350	354	365	rVB6	201179	918134	6.50%	0.322%
11	4.287	365	371	375	rBV	194813	677332	4.80%	0.238%
12	4.376	375	380	385	rVV4	218050	695355	4.93%	0.244%
13	4.475	385	390	395	rVV2	234441	796835	5.64%	0.279%
14	4.682	396	411	424	rVB2	1363967	6451198	45.70%	2.262%
15	4.869	424	430	433	rBV3	237581	793439	5.62%	0.278%
16	4.938	433	437	448	rVB3	280290	1190260	8.43%	0.417%
17	5.451	481	489	494	rBV	1494473	5263734	37.28%	1.846%
18	5.757	514	520	529	rVB2	347717	1339394	9.49%	0.470%
19	6.329	573	578	585	rVB3	140916	519922	3.68%	0.182%
20	6.497	585	595	599	rBV5	176765	800337	5.67%	0.281%
21	6.595	599	605	609	rVV	920595	2843220	20.14%	0.997%
22	6.655	609	611	619	rVB2	416734	1014059	7.18%	0.356%
23	6.812	619	627	642	rVB2	687557	2736748	19.39%	0.960%
24	7.020	642	648	651	rBV3	367839	1120075	7.93%	0.393%
25	7.069	651	653	659	rVB	236022	559274	3.96%	0.196%
26	7.385	681	685	690	rVV4	232451	694853	4.92%	0.244%
27	7.483	690	695	699	rVV	938707	2440231	17.29%	0.856%
28	7.552	699	702	706	rVV2	368093	969667	6.87%	0.340%
29	7.631	706	710	719	rVB2	730015	2088819	14.80%	0.733%
30	8.134	756	761	769	rVB4	155807	560804	3.97%	0.197%
31	8.282	769	776	781	rBV3	382110	1124889	7.97%	0.395%
32	8.410	782	789	790	rBV2	322775	957663	6.78%	0.336%
33	8.450	790	793	806	rVB2	651097	2058327	14.58%	0.722%
34	8.627	806	811	819	rBV4	263650	1038600	7.36%	0.364%

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35	8.835	827	832	840	rVB6	213466	953544	6.75%	0.334%
36	8.983	840	847	852	rBV4	315113	1273371	9.02%	0.447%
37	9.111	856	860	865	rVV3	609558	1630050	11.55%	0.572%
38	9.298	875	879	888	rVB3	568875	1893055	13.41%	0.664%
39	9.535	897	903	908	rBV4	204878	708748	5.02%	0.249%
40	9.703	913	920	924	rBV3	172228	591280	4.19%	0.207%
41	9.772	924	927	934	rVV	517262	1374710	9.74%	0.482%
42	9.900	934	940	944	rVB3	757966	1939758	13.74%	0.680%
43	9.979	944	948	955	rVB3	260502	735609	5.21%	0.258%
44	10.137	955	964	970	rBV	3716665	9235841	65.42%	3.239%
45	10.235	970	974	982	rBV3	200556	710083	5.03%	0.249%
46	10.502	993	1001	1006	rBV4	244734	923275	6.54%	0.324%
47	10.729	1011	1024	1028	rBV	5610283	14117615	100.00%	4.951%
48	11.054	1052	1057	1059	rBV3	377584	1104438	7.82%	0.387%
49	11.123	1059	1064	1066	rVV2	575985	1359699	9.63%	0.477%
50	11.163	1066	1068	1072	rVV	511511	765109	5.42%	0.268%
51	11.271	1076	1079	1084	rVB	689186	1417774	10.04%	0.497%
52	11.409	1090	1093	1096	rBV3	317327	724446	5.13%	0.254%
53	11.468	1096	1099	1104	rVB2	370405	926992	6.57%	0.325%
54	11.557	1104	1108	1110	rBV	398954	731607	5.18%	0.257%
55	11.606	1110	1113	1116	rVB2	275528	555166	3.93%	0.195%
56	11.666	1116	1119	1121	rBV	1052452	1840592	13.04%	0.646%
57	11.725	1121	1125	1129	rVB	6165161	13939197	98.74%	4.889%
58	11.833	1132	1136	1140	rVB	5992154	10607932	75.14%	3.720%
59	11.952	1144	1148	1150	rBV4	367166	877184	6.21%	0.308%
60	12.031	1150	1156	1159	rBV	4415385	7899415	55.95%	2.770%
61	12.080	1159	1161	1166	rVB4	290787	560296	3.97%	0.196%
62	12.159	1166	1169	1171	rBV3	292367	590466	4.18%	0.207%
63	12.218	1171	1175	1180	rVB	7798997	13315159	94.32%	4.670%
64	12.297	1180	1183	1186	rBV2	554469	1211473	8.58%	0.425%
65	12.435	1194	1197	1199	rBV2	1156791	2094148	14.83%	0.734%
66	12.553	1206	1209	1211	rBV3	666845	1190548	8.43%	0.418%
67	12.623	1211	1216	1220	rVB	7065665	12793214	90.62%	4.487%
68	12.692	1220	1223	1224	rBV2	417575	705947	5.00%	0.248%
69	12.731	1224	1227	1230	rVV2	3467900	7267535	51.48%	2.549%
70	12.780	1230	1232	1234	rVV	3868857	6317200	44.75%	2.215%
71	12.840	1234	1238	1243	rVB3	4895729	10967529	77.69%	3.846%

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72	12.928	1245	1247	1250	rBV2	604303	1157816	8.20%	0.406%
73	13.007	1252	1255	1259	rVB	1971144	3087352	21.87%	1.083%
74	13.086	1259	1263	1268	rBV2	3715719	10200971	72.26%	3.578%
75	13.165	1268	1271	1275	rVB2	5184608	9085809	64.36%	3.186%
76	13.234	1275	1278	1282	rBV3	1273349	2801408	19.84%	0.982%
77	13.293	1282	1284	1286	rBV	474334	564853	4.00%	0.198%
78	13.392	1292	1294	1295	rBV2	317540	514699	3.65%	0.181%
79	13.422	1295	1297	1300	rVV	2035595	2967915	21.02%	1.041%
80	13.500	1302	1305	1307	rVV	3546920	5235655	37.09%	1.836%
81	13.550	1307	1310	1313	rVV	4879556	8715193	61.73%	3.056%
82	13.619	1315	1317	1322	rVB	1227678	2322488	16.45%	0.815%
83	13.708	1323	1326	1330	rBV2	3304639	5570044	39.45%	1.953%
84	13.767	1330	1332	1335	rVV3	712287	982028	6.96%	0.344%
85	13.816	1335	1337	1339	rVV	1164955	1566576	11.10%	0.549%
86	13.856	1339	1341	1346	rVV2	3776684	7981656	56.54%	2.799%
87	13.925	1346	1348	1350	rVV2	1087188	1454634	10.30%	0.510%
88	13.964	1350	1352	1356	rVB2	1977043	3039919	21.53%	1.066%
89	14.053	1358	1361	1363	rBV2	749795	1287779	9.12%	0.452%
90	14.151	1367	1371	1374	rBV2	2086536	4912985	34.80%	1.723%
91	14.191	1374	1375	1376	rVV	626132	718343	5.09%	0.252%
92	14.221	1376	1378	1384	rVB	1125799	2159597	15.30%	0.757%
93	14.359	1389	1392	1397	rBV4	322878	630784	4.47%	0.221%
94	14.457	1397	1402	1408	rBV	3744049	6839956	48.45%	2.399%
95	14.536	1408	1410	1414	rVV	485737	768711	5.45%	0.270%
96	14.595	1414	1416	1418	rVV	402680	523341	3.71%	0.184%
97	14.753	1428	1432	1437	rVB4	648249	1693201	11.99%	0.594%
98	14.852	1437	1442	1449	rVV3	928526	1961909	13.90%	0.688%
99	15.286	1482	1486	1490	rVB	2029460	3304678	23.41%	1.159%
100	15.404	1495	1498	1508	rVB2	1052152	1919208	13.59%	0.673%

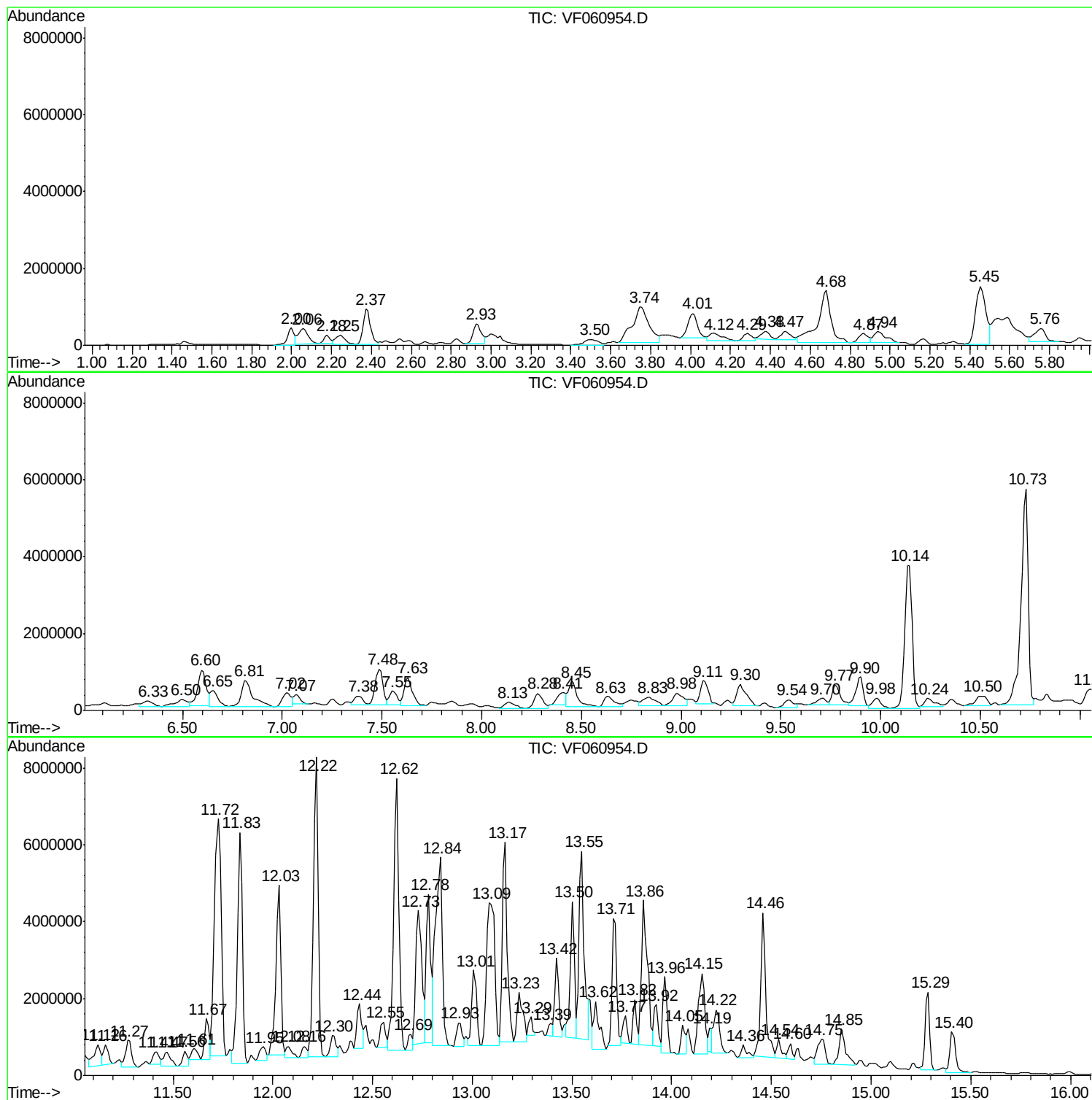
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Quant Title : SW846 8260

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



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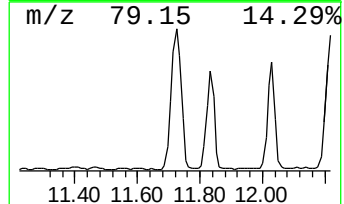
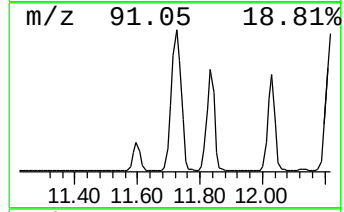
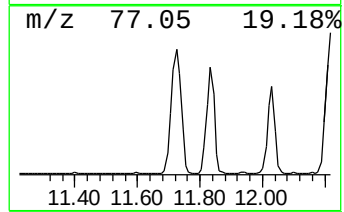
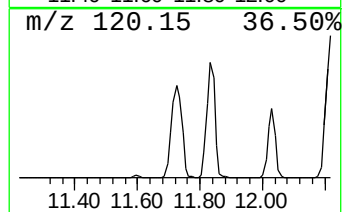
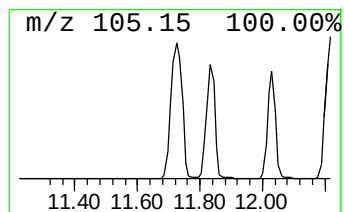
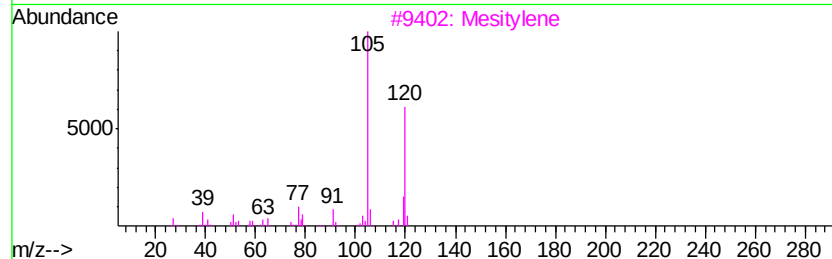
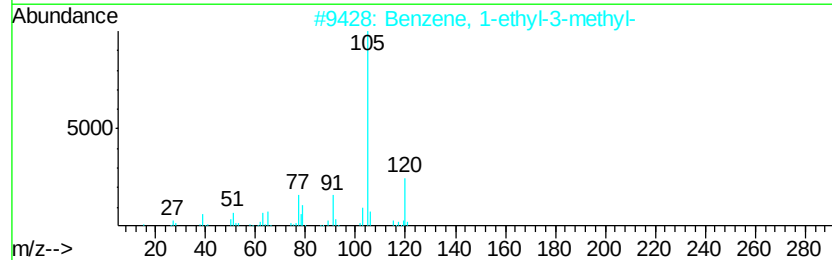
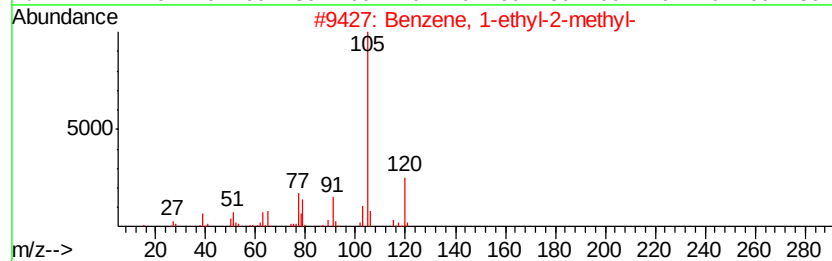
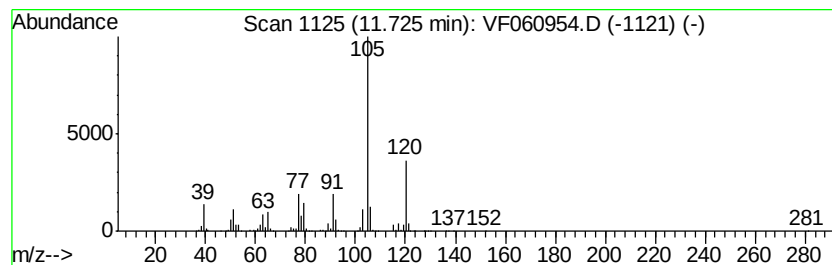
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	585.41 ug/l	13939200	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



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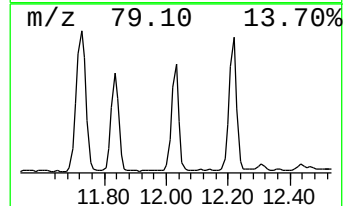
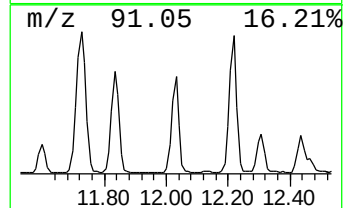
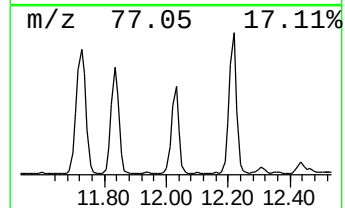
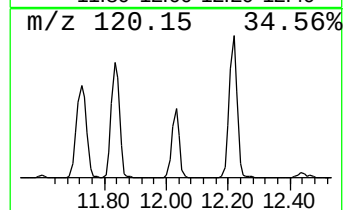
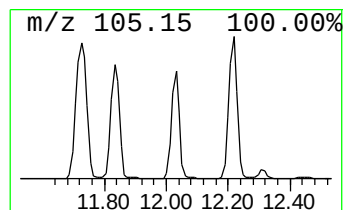
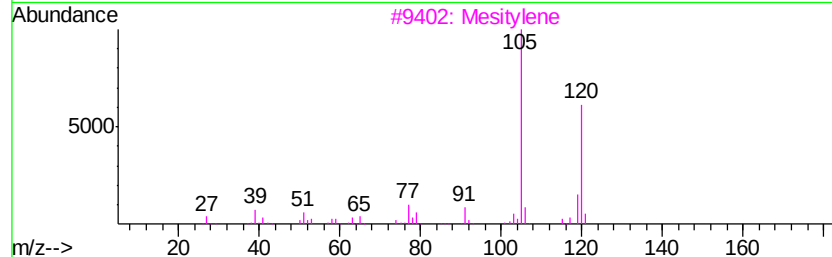
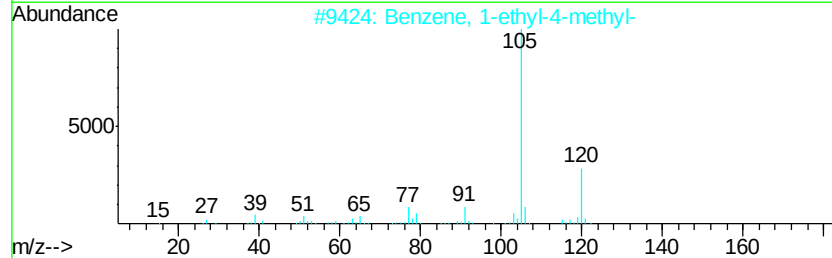
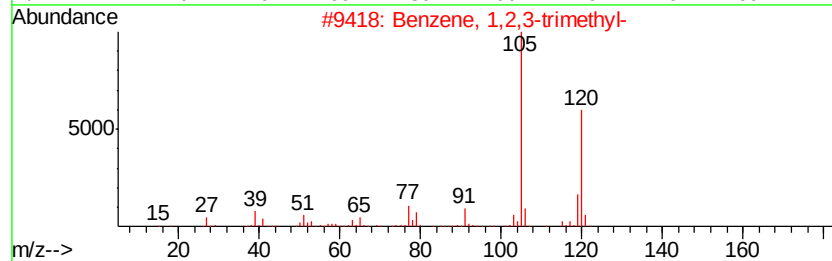
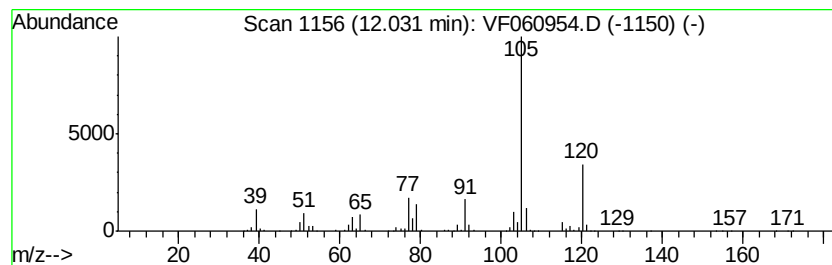
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Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.03	331.76 ug/l	7899420	1,4-Dichlorobenzene-d4	12.55		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91



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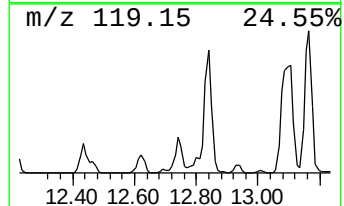
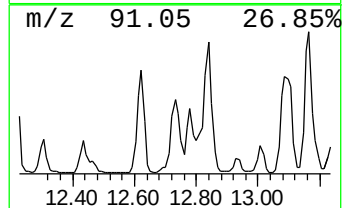
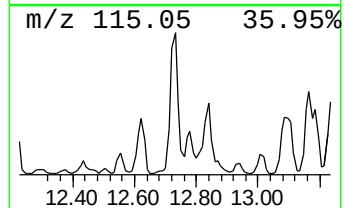
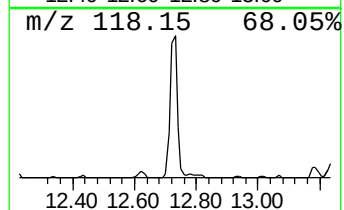
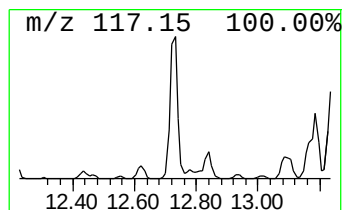
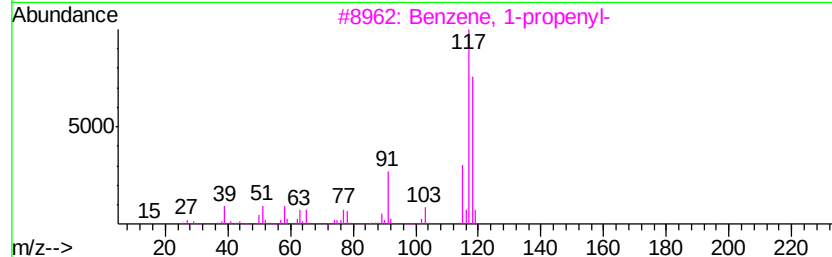
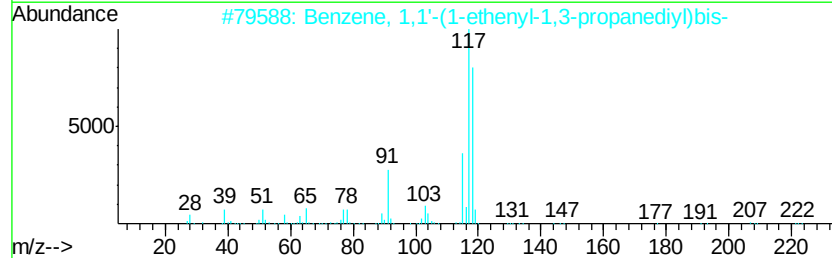
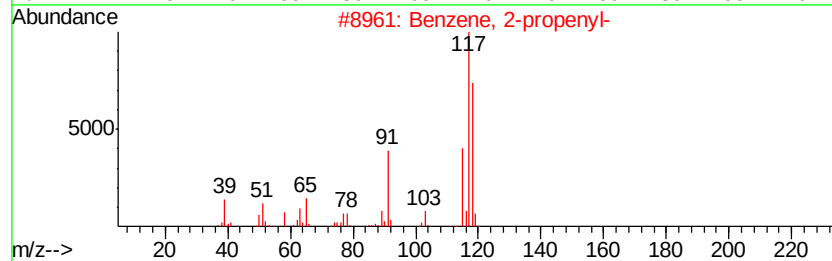
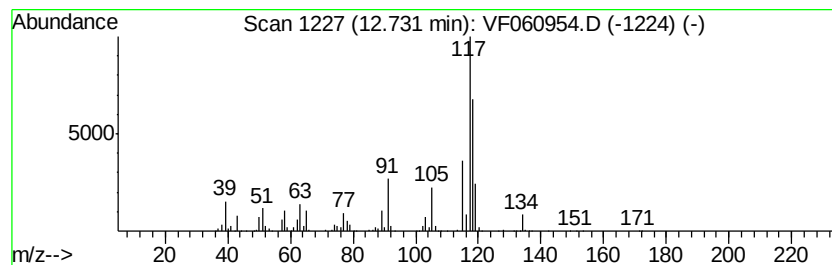
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	305.22 ug/l	7267540	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	92
2		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	72
3		Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
4		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSV0A-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

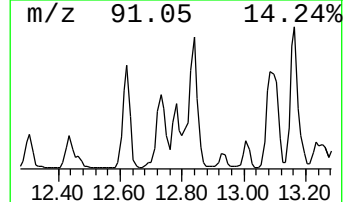
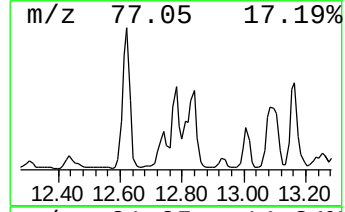
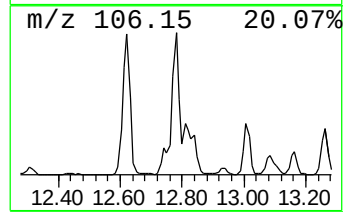
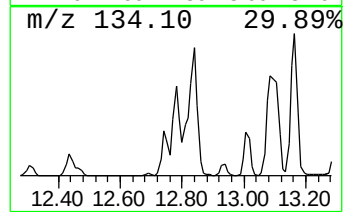
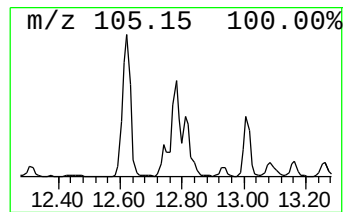
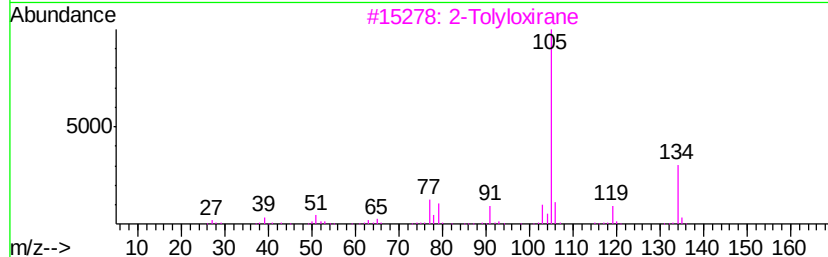
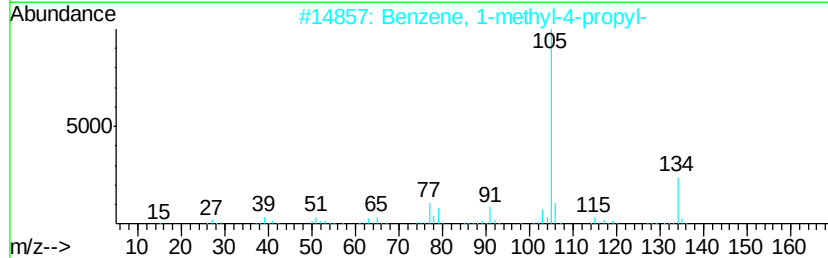
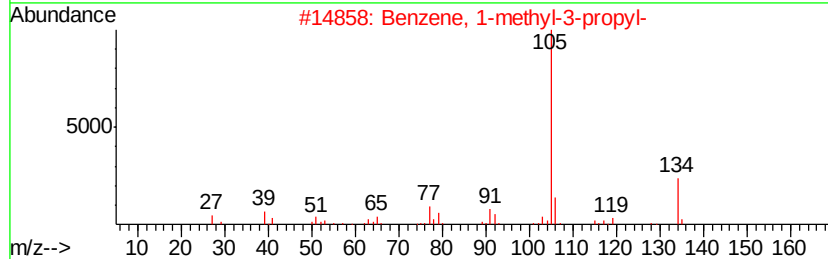
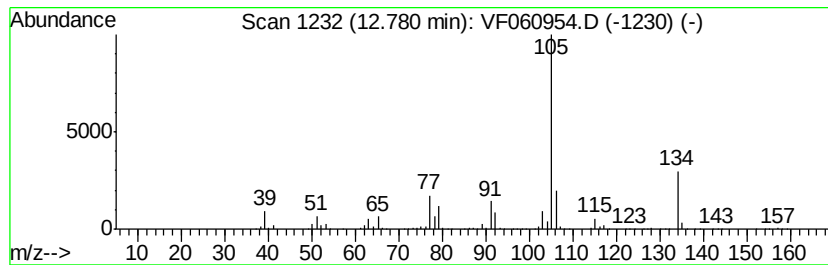
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ClientSampleId :
OILY-SOIL

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 5 Benzene, 1-methyl-3-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	265.31 ug/l	6317200	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-3-propyl-	134 C10H14	001074-43-7 91
2		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 83
3		2-Tolyloxirane	134 C9H10O	002783-26-8 81
4		Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5 80
5		Oxirane, 2-methyl-2-phenyl-	134 C9H10O	002085-88-3 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

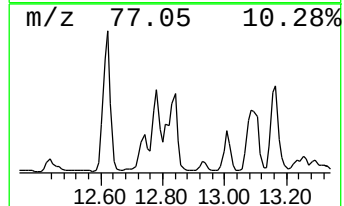
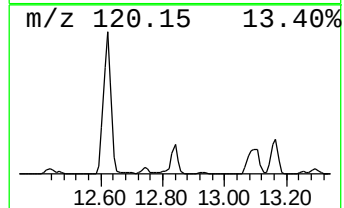
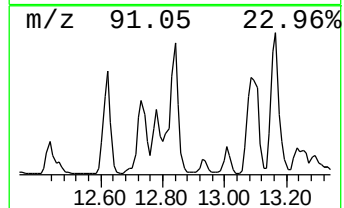
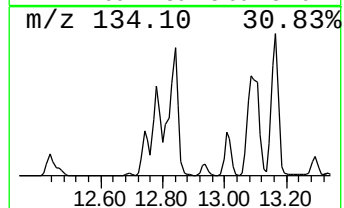
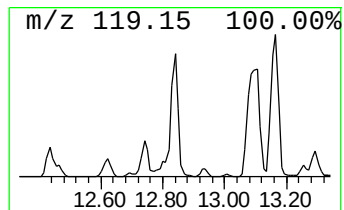
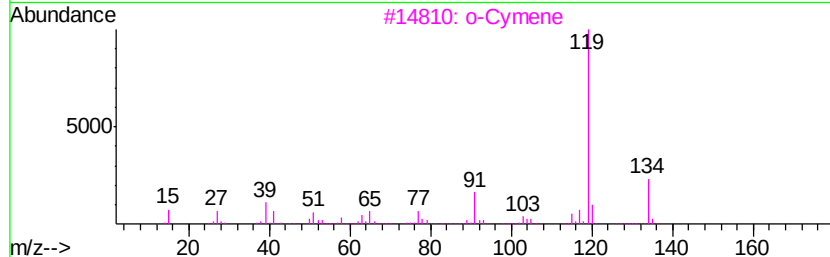
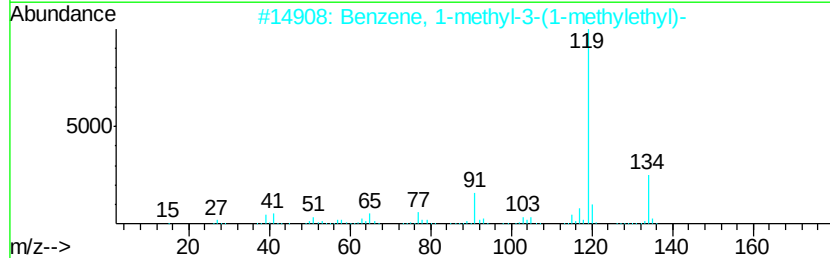
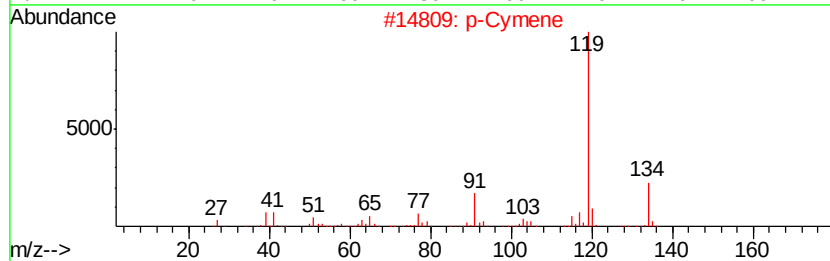
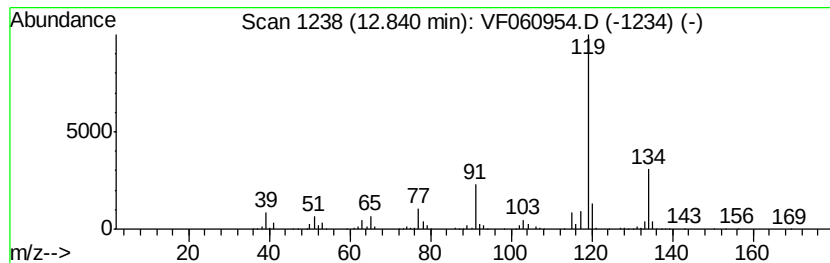
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Quant Title : SW846 8260

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

Peak Number 6 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	460.61 ug/l	10967500	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	95
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSV0A-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSV0A_F
ClientSampleId :
OILY-SOIL

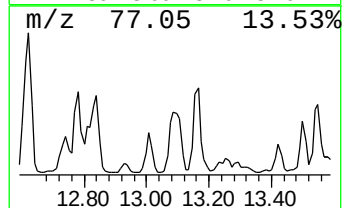
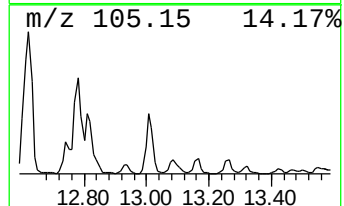
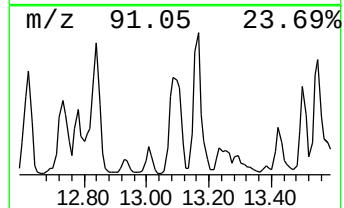
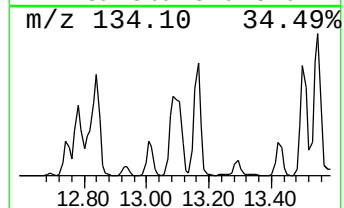
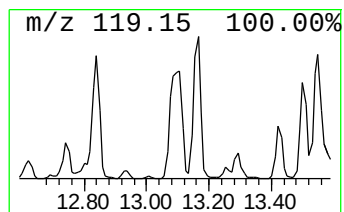
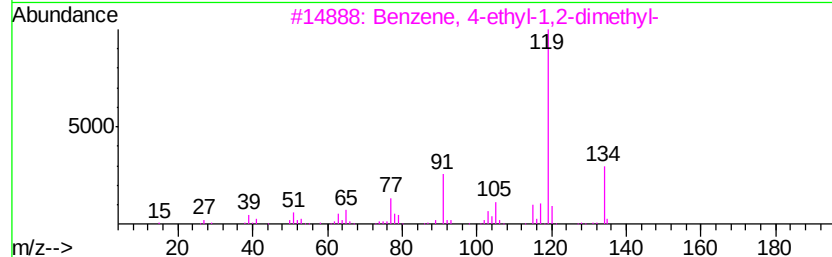
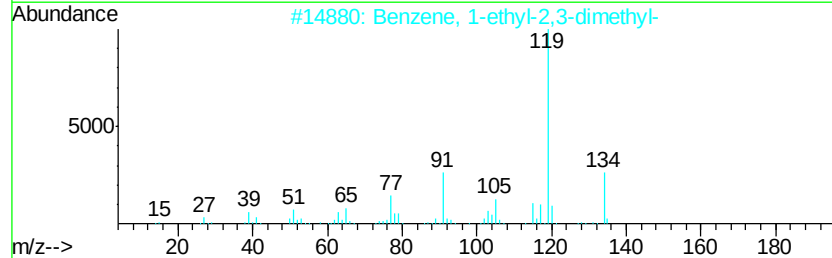
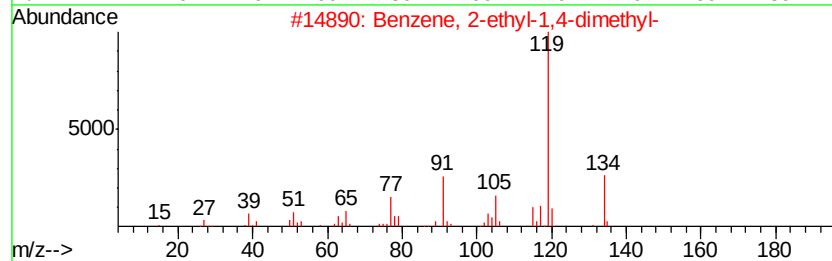
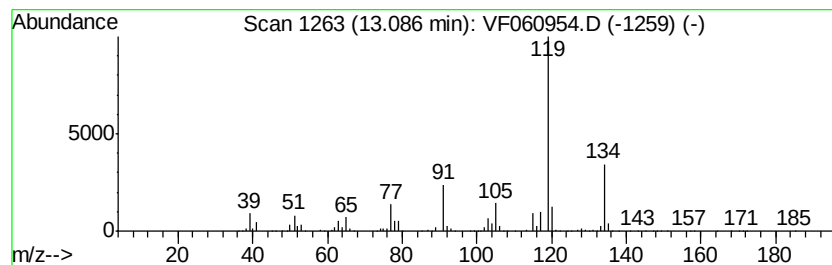
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	428.42 ug/l	10201000	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	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

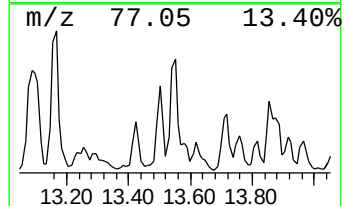
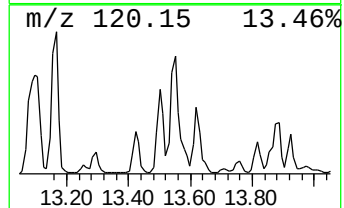
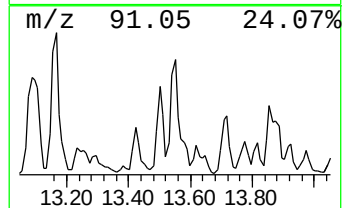
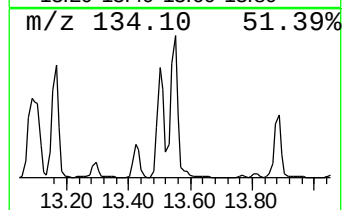
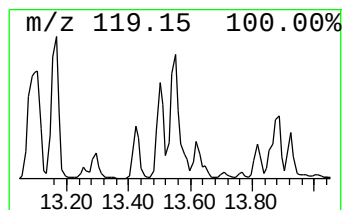
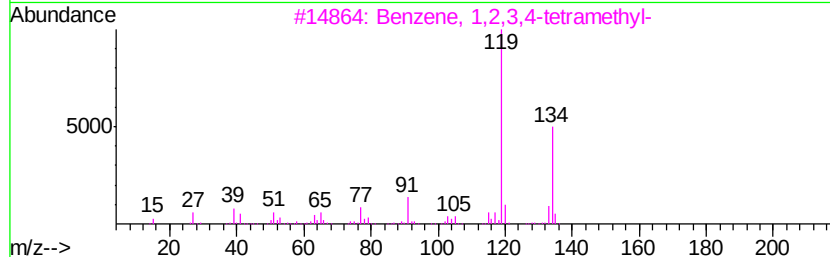
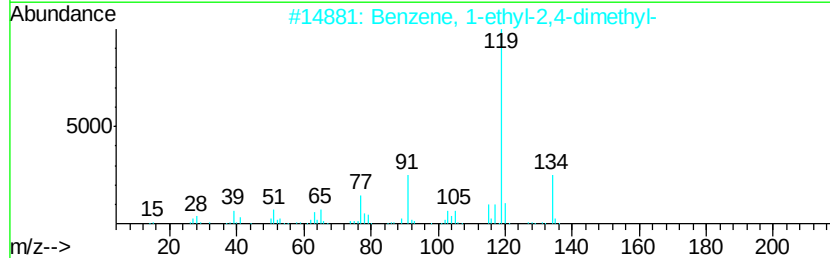
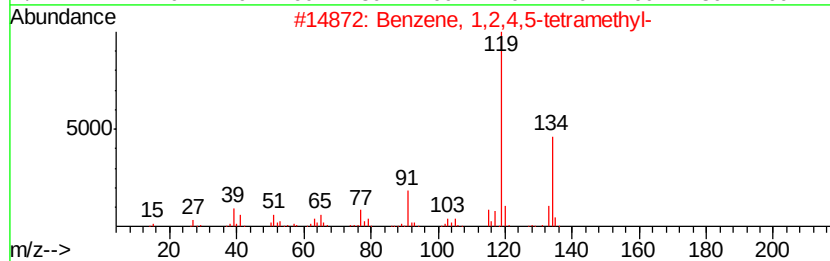
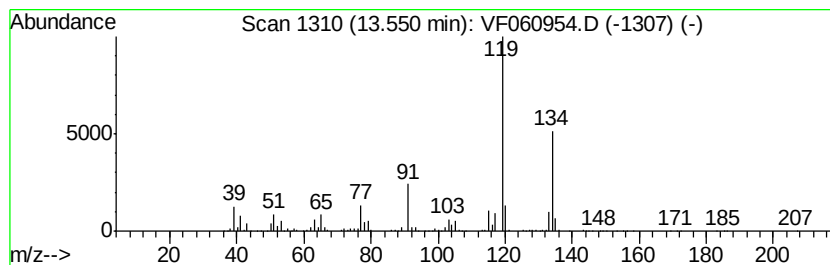
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	366.02 ug/l	8715190	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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

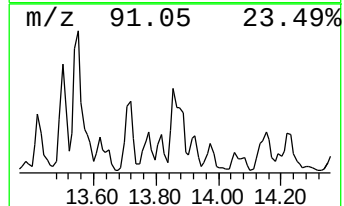
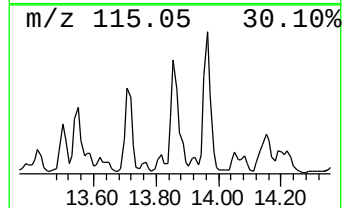
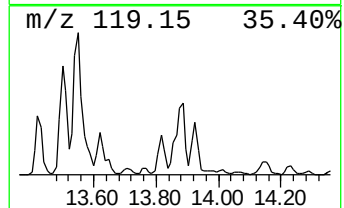
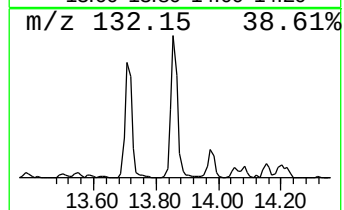
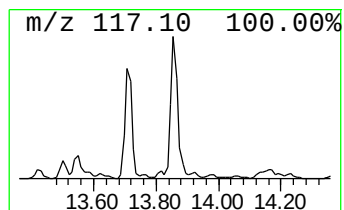
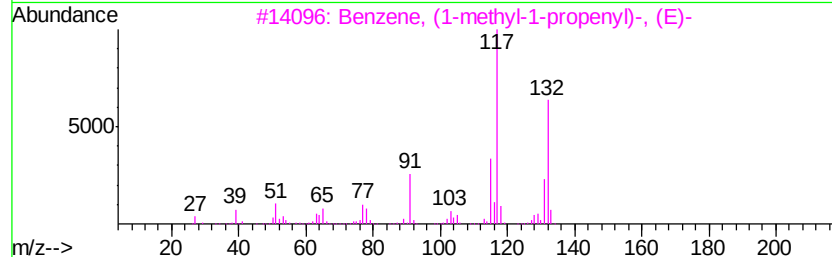
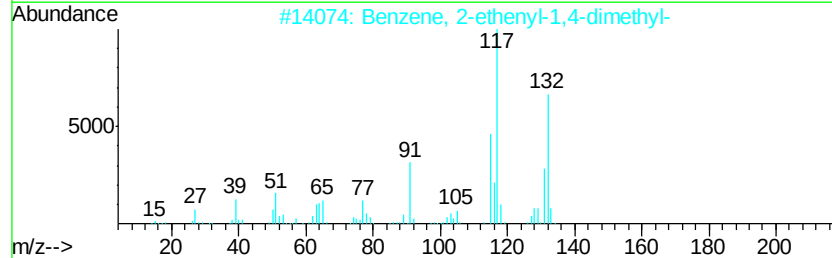
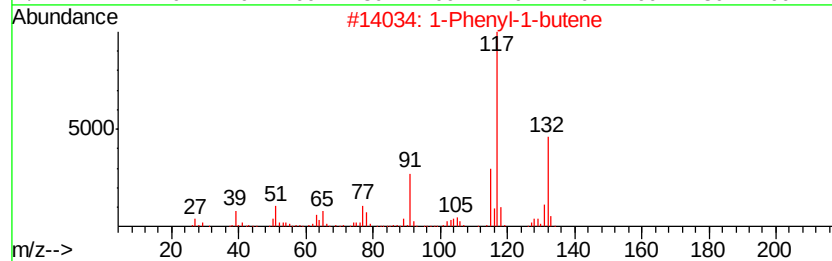
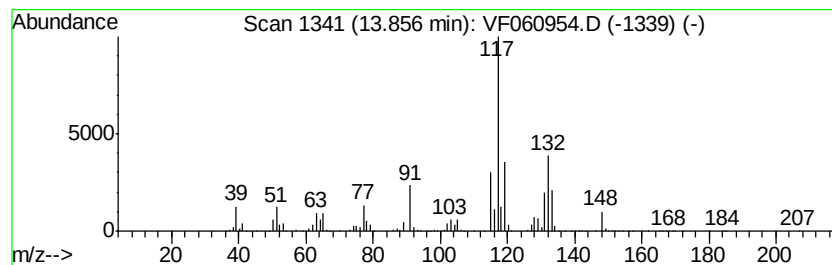
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

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 1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	335.21 ug/l	7981660	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Phenyl-1-butene	132 C10H12	000824-90-8 94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 91
3		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3 81
4		3-Phenylbut-1-ene	132 C10H12	000934-10-1 81
5		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 76



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF121018\
Data File : VF060954.D
Acq On : 10 Dec 2018 15:28
Operator : VA/AP
Sample : J6269-01
Misc : 6.14g/5mL/MSV0A-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSV0A_F
ClientSampleId :
OILY-SOIL

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzene, 1,2,3-tr...	12.03	331.8	ug/l	7899420	4	12.55	1190550	50.0
Benzene, 2-propenyl-	12.73	305.2	ug/l	7267540	4	12.55	1190550	50.0
Benzene, 1-methyl...	12.78	265.3	ug/l	6317200	4	12.55	1190550	50.0
p-Cymene	12.84	460.6	ug/l	10967500	4	12.55	1190550	50.0
Benzene, 2-ethyl-...	13.09	428.4	ug/l	10201000	4	12.55	1190550	50.0
Benzene, 1,2,4,5-...	13.55	366.0	ug/l	8715190	4	12.55	1190550	50.0
1-Phenyl-1-butene	13.86	335.2	ug/l	7981660	4	12.55	1190550	50.0