

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056652.D
 Acq On : 23 Feb 2018 13:21
 Operator : JC/SY
 Sample : J1634-01
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RO-72-11931

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 : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.027	347	354	366	rVB	231617	716668	1.63%	0.200%
2	4.786	422	431	448	rBV2	414627	1657952	3.77%	0.463%
3	5.515	499	505	516	rVB	511012	1363283	3.10%	0.381%
4	7.004	653	656	670	rVB2	154811	505088	1.15%	0.141%
5	7.477	700	704	721	rVB2	666650	2062278	4.70%	0.576%
6	8.216	771	779	786	rBV2	443651	1522783	3.47%	0.425%
7	8.384	792	796	807	rVB2	763593	2274110	5.18%	0.635%
8	8.571	808	815	828	rBV3	440157	2565716	5.84%	0.717%
9	8.778	832	836	842	rVB2	154751	491359	1.12%	0.137%
10	8.906	842	849	854	rBV2	638796	2222561	5.06%	0.621%
11	9.044	859	863	869	rVB2	637922	1760245	4.01%	0.492%
12	9.222	876	881	885	rBV	676739	1695821	3.86%	0.474%
13	9.340	890	893	898	rVV3	183326	468279	1.07%	0.131%
14	9.468	901	906	911	rVV4	230777	959483	2.18%	0.268%
15	9.626	915	922	924	rVV4	483273	1756136	4.00%	0.491%
16	9.685	924	928	932	rVV3	1579256	4557846	10.38%	1.273%
17	9.744	932	934	945	rVV	656332	2249467	5.12%	0.628%
18	9.912	946	951	956	rVV2	226993	716318	1.63%	0.200%
19	10.001	956	960	965	rVB2	220556	587180	1.34%	0.164%
20	10.168	970	977	985	rBV4	1440364	6529978	14.87%	1.824%
21	10.286	985	989	994	rBV	535847	1500685	3.42%	0.419%
22	10.444	999	1005	1013	rVB2	1755244	5352485	12.19%	1.495%
23	10.612	1016	1022	1030	rBV2	3439156	10749062	24.47%	3.003%
24	10.720	1030	1033	1035	rBV	711310	1551530	3.53%	0.433%
25	10.769	1035	1038	1045	rVB	1520787	3666641	8.35%	1.024%
26	10.888	1045	1050	1056	rVB4	745035	2661612	6.06%	0.743%
27	10.996	1056	1061	1064	rBV3	1587756	4809011	10.95%	1.343%
28	11.055	1064	1067	1077	rVB2	3956109	10369746	23.61%	2.897%
29	11.213	1077	1083	1088	rVB2	2729290	6998307	15.93%	1.955%
30	11.331	1090	1095	1097	rBV3	1104403	2895315	6.59%	0.809%
31	11.390	1097	1101	1103	rBV4	787999	2075278	4.72%	0.580%
32	11.499	1109	1112	1114	rBV	2297994	5071077	11.55%	1.417%
33	11.617	1122	1124	1127	rVB2	676478	896564	2.04%	0.250%
34	11.666	1127	1129	1131	rBV3	688129	1171824	2.67%	0.327%

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Integrator: RTE
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35	11.716	1132	1134	1137	rVB4	1095287	1722162	3.92%	0.481%
36	11.765	1137	1139	1143	rBV4	487257	1064827	2.42%	0.297%
37	11.903	1149	1153	1154	rBV3	1630288	3259529	7.42%	0.911%
38	11.952	1154	1158	1162	rVB2	5496116	13470623	30.67%	3.763%
39	12.021	1162	1165	1169	rBV3	1734986	4151092	9.45%	1.160%
40	12.110	1170	1174	1176	rBV3	3164337	8304209	18.91%	2.320%
41	12.159	1176	1179	1184	rVV4	3706053	8986054	20.46%	2.510%
42	12.238	1184	1187	1190	rVB4	1976446	3257047	7.42%	0.910%
43	12.287	1190	1192	1194	rBV3	999874	1677628	3.82%	0.469%
44	12.347	1195	1198	1200	rVV2	2287130	4257056	9.69%	1.189%
45	12.386	1200	1202	1204	rVB2	1283268	1824605	4.15%	0.510%
46	12.554	1215	1219	1223	rBV3	4153066	10073847	22.94%	2.814%
47	12.672	1223	1231	1235	rBV2	15149285	43922809	100.00%	12.269%
48	12.790	1240	1243	1247	rVB5	3067548	6701115	15.26%	1.872%
49	12.889	1250	1253	1254	rBV2	1927947	3391593	7.72%	0.947%
50	12.968	1259	1261	1264	rVV2	3400228	6315980	14.38%	1.764%
51	13.027	1264	1267	1268	rVV2	1467633	2785180	6.34%	0.778%
52	13.096	1268	1274	1276	rVV3	6380787	20152024	45.88%	5.629%
53	13.165	1279	1281	1284	rVV	6113077	11938549	27.18%	3.335%
54	13.244	1286	1289	1292	rVV4	5107756	13142706	29.92%	3.671%
55	13.322	1295	1297	1300	rVB2	3707267	6185898	14.08%	1.728%
56	13.441	1306	1309	1311	rVB	4083783	5283633	12.03%	1.476%
57	13.579	1321	1323	1325	rBV	1520764	2492213	5.67%	0.696%
58	13.648	1325	1330	1336	rVV3	6764573	21034931	47.89%	5.876%
59	13.746	1337	1340	1342	rVB3	2966234	5249116	11.95%	1.466%
60	13.796	1342	1345	1349	rBV3	9543177	20516882	46.71%	5.731%
61	13.943	1358	1360	1362	rBV	1407440	2059877	4.69%	0.575%
62	14.012	1365	1367	1371	rVB	2344671	3753333	8.55%	1.048%
63	14.091	1373	1375	1377	rVV2	2796338	3773595	8.59%	1.054%
64	14.229	1387	1389	1393	rBV5	2169693	4265324	9.71%	1.191%
65	14.357	1400	1402	1404	rBV2	1344129	1862749	4.24%	0.520%
66	14.417	1407	1408	1412	rVV3	2068247	3384843	7.71%	0.946%
67	14.515	1416	1418	1421	rVB3	1533980	1921589	4.37%	0.537%
68	14.653	1430	1432	1435	rVB3	951650	1314984	2.99%	0.367%
69	14.693	1435	1436	1439	rVB3	716793	849347	1.93%	0.237%
70	14.742	1439	1441	1444	rVB4	440185	483090	1.10%	0.135%
71	14.909	1456	1458	1464	rVB4	895142	1698816	3.87%	0.475%

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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	15.028	1467	1470	1473	rVV3	357397	678559	1.54%	0.190%
73	15.077	1473	1475	1478	rVV2	717142	1094926	2.49%	0.306%
74	15.176	1482	1485	1490	rVB5	385157	912398	2.08%	0.255%
75	15.304	1495	1498	1506	rVB	1269912	2346614	5.34%	0.655%

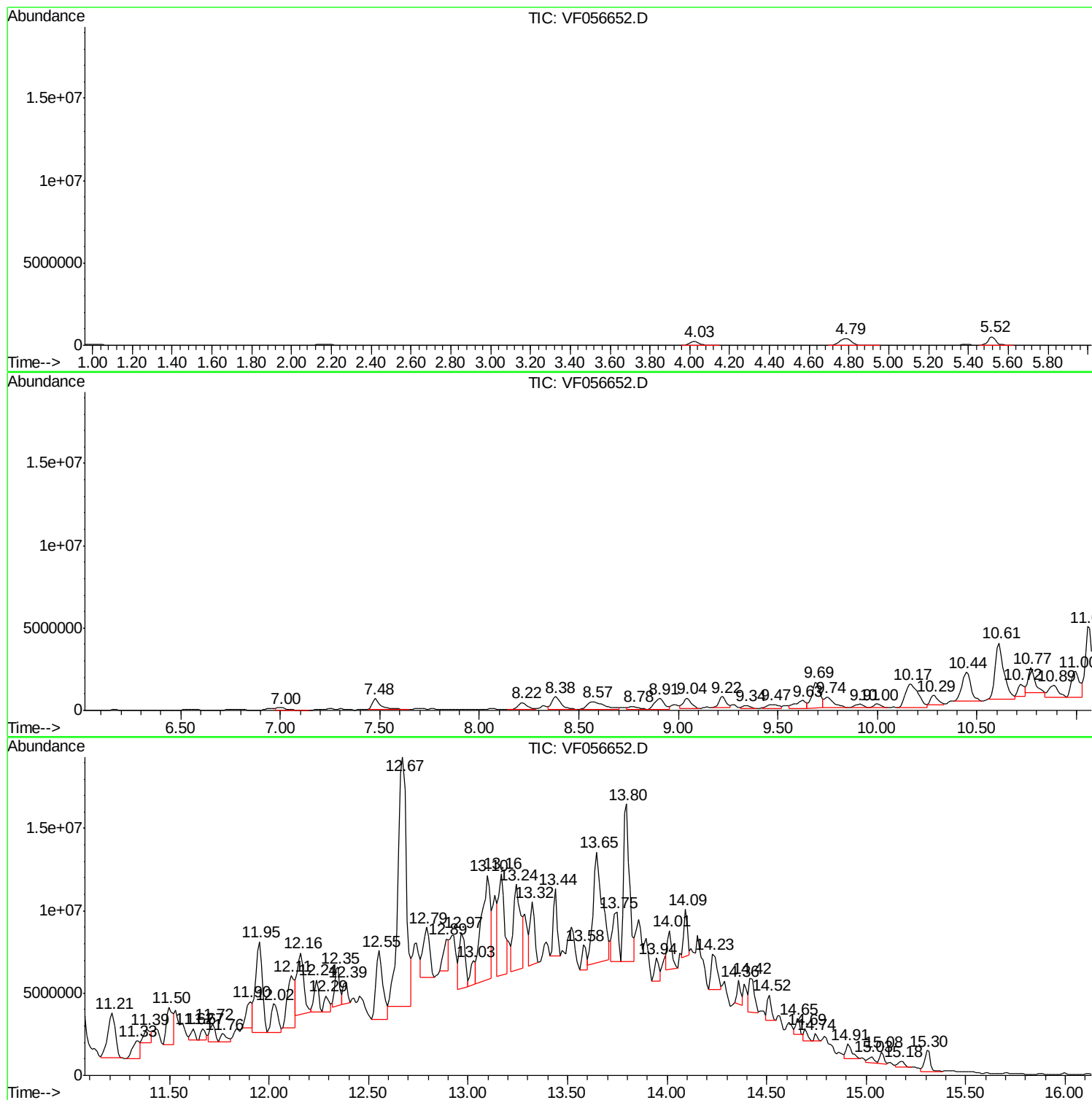
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Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260

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



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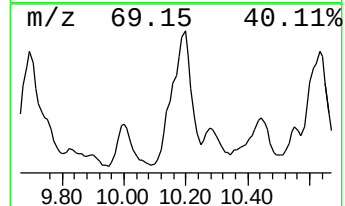
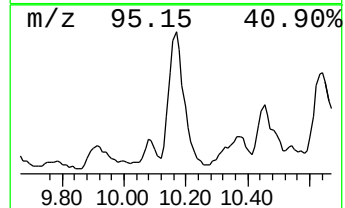
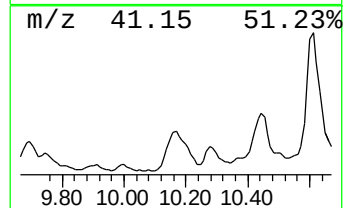
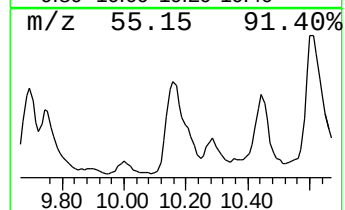
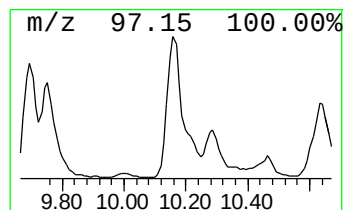
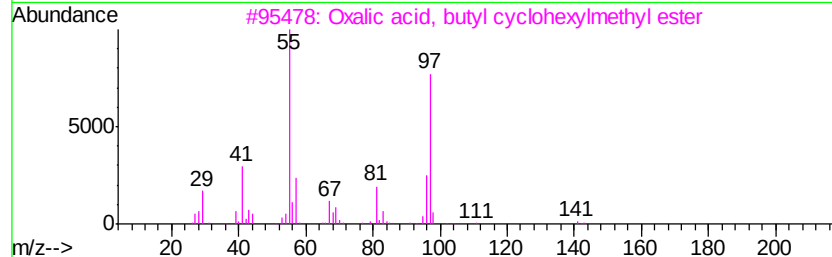
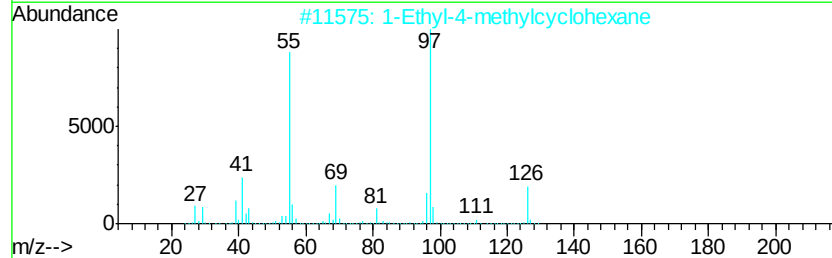
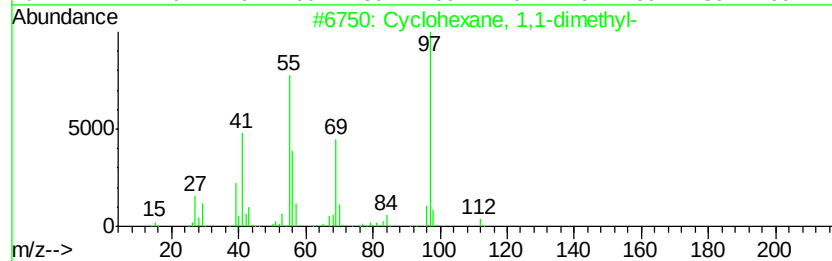
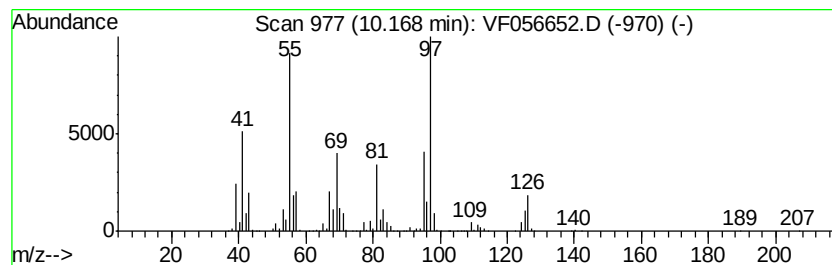
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ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,1-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.17	71.63 ug/l	6529980	Chlorobenzene-d5	9.69		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52
3		Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50
4		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	50
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50



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ALS Vial : 4 Sample Multiplier: 1

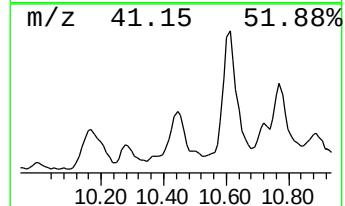
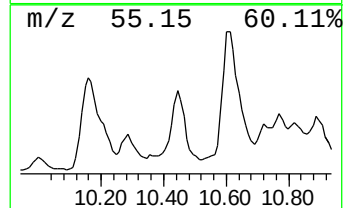
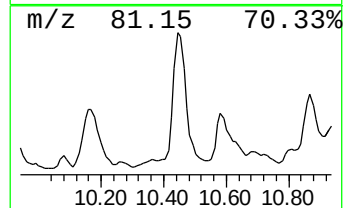
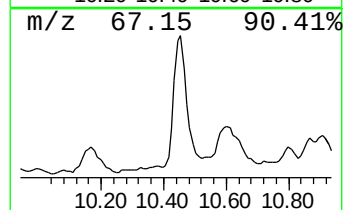
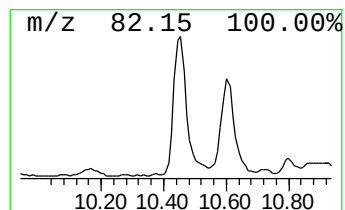
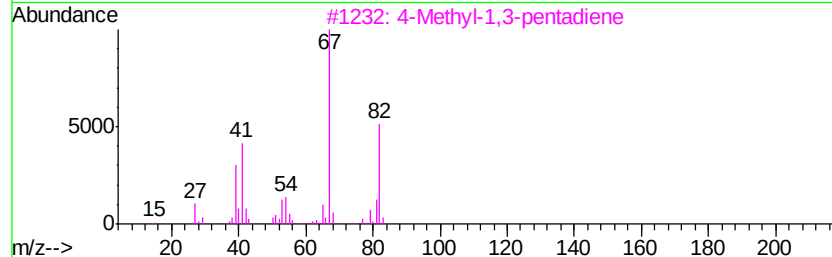
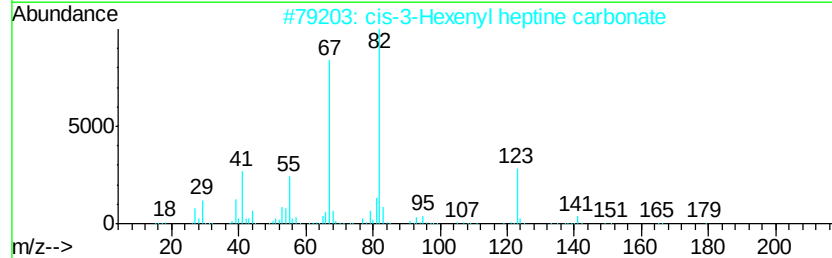
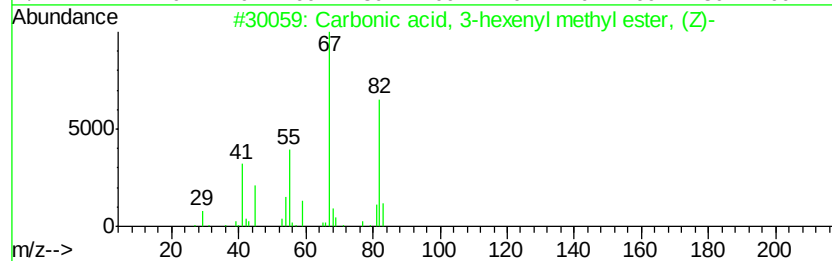
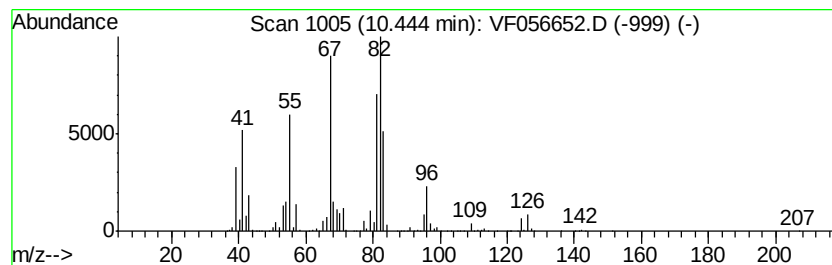
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Carbonic acid, 3-hexenyl me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.44	58.72 ug/l	5352490	Chlorobenzene-d5	9.69		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 3-hexenyl methyl ...	158	C8H14O3	067633-96-9	53	
2	cis-3-Hexenyl heptene carbonate	222	C14H22O2	068698-58-8	53	
3	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	50	
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	50	
5	Succinic acid, dodecyl trans-hex...	368	C22H40O4	1000353-43-5	50	



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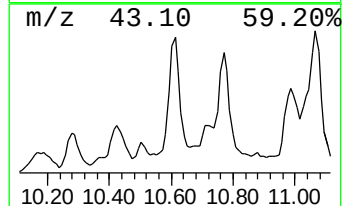
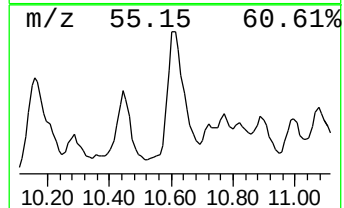
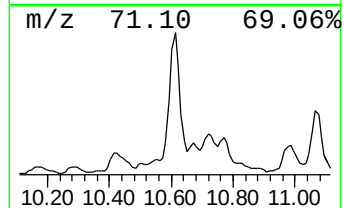
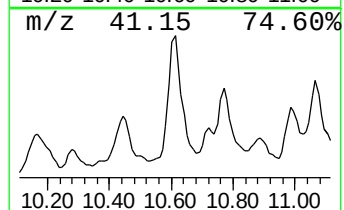
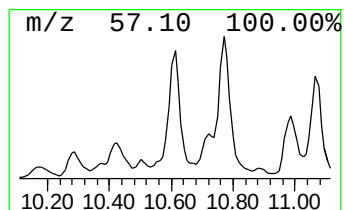
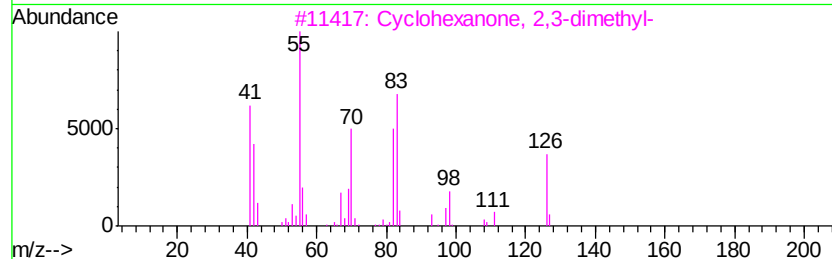
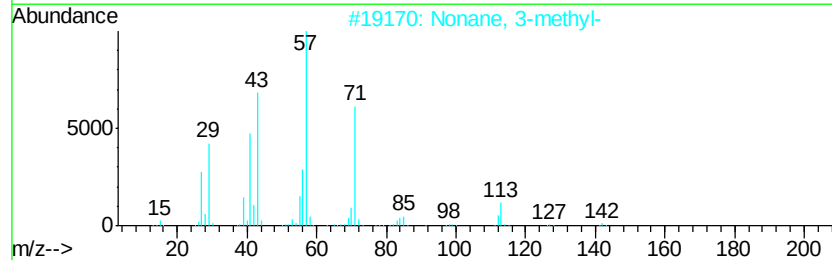
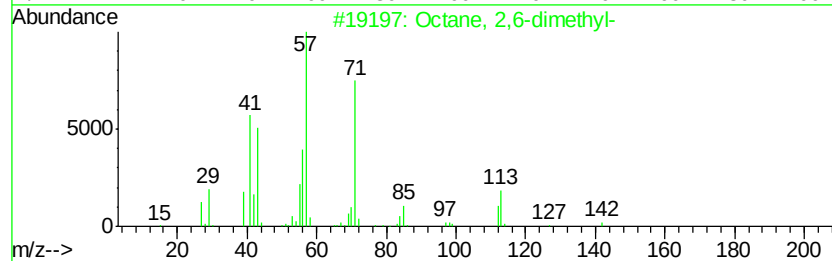
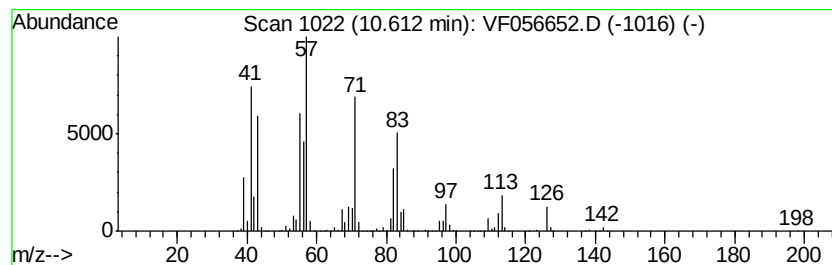
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ClientSampled :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
10.61	117.92 ug/l	10749100	Chlorobenzene-d5	9.69		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	49
3		Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	46
4		Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	43
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	42



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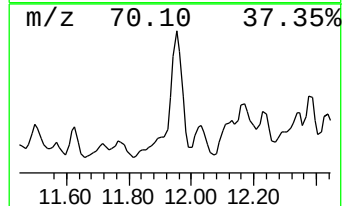
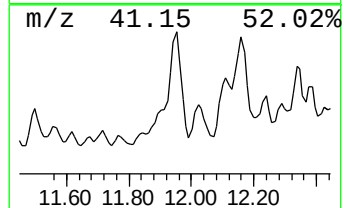
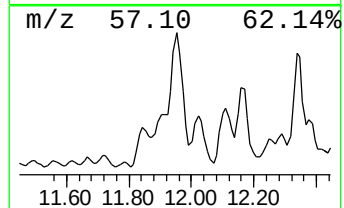
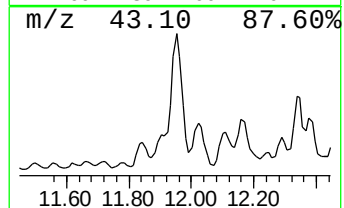
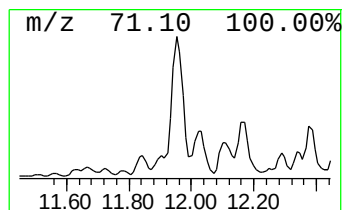
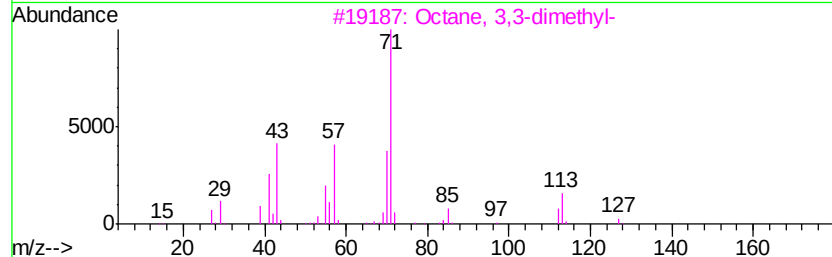
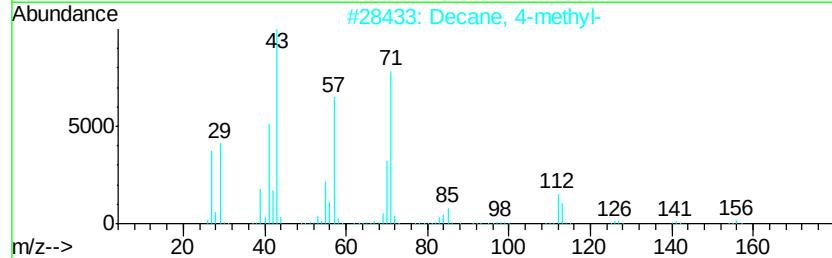
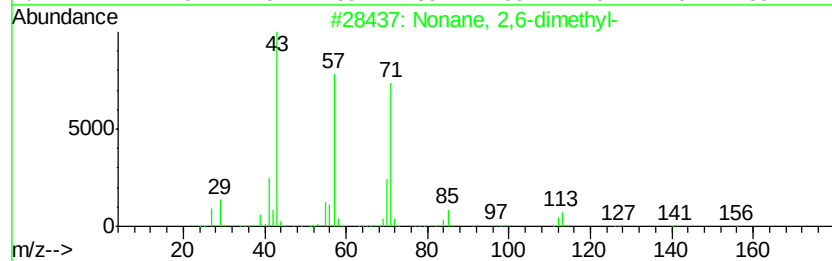
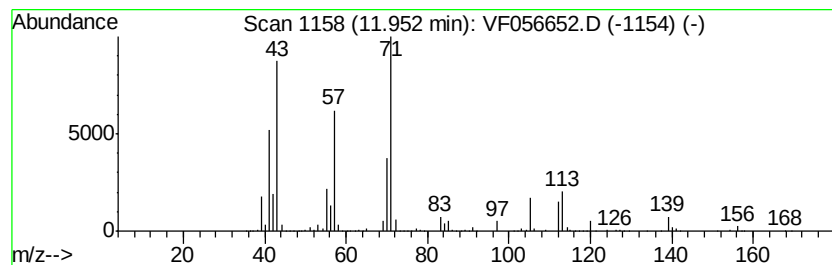
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MSVOA_F
ClientSampleId :
RO-72-11931

Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260

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

Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	66.86 ug/l	13470600	1,4-Dichlorobenzene-d4	12.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	76
2	Decane, 4-methyl-	156 C11H24	002847-72-5	55
3	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	53
4	Butanoic acid, 2-methyl-5-oxo-1-...	182 C10H14O3	068227-51-0	50
5	Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5	50



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

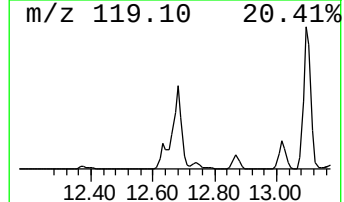
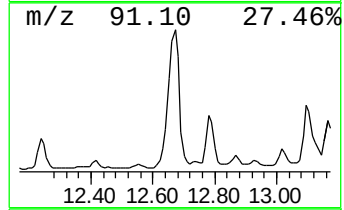
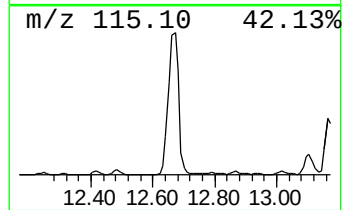
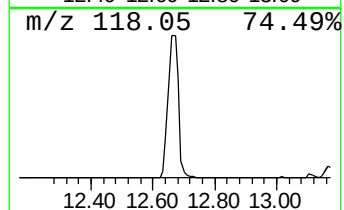
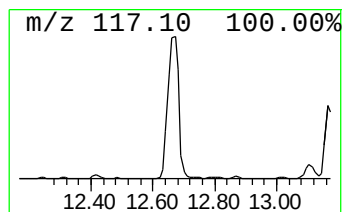
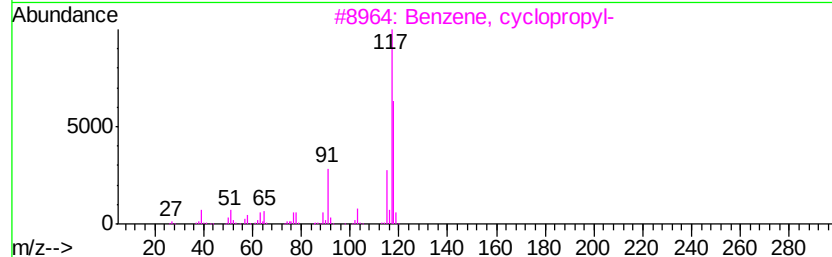
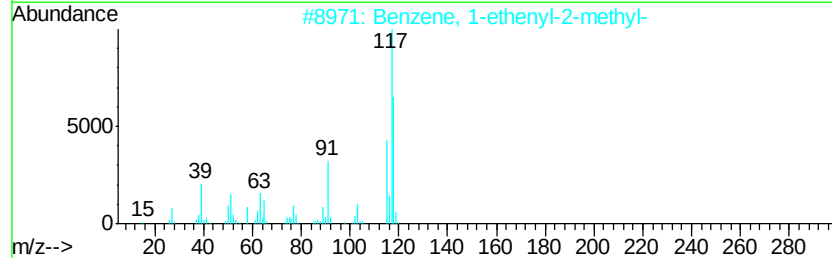
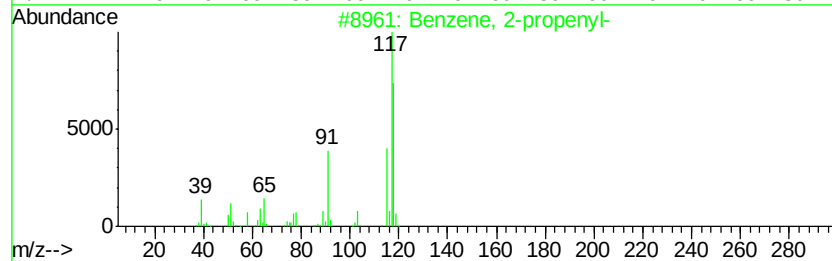
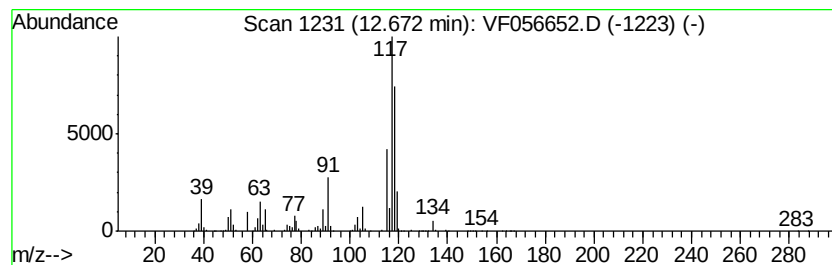
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-propenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	218.00 ug/l	43922800	1,4-Dichlorobenzene-d4	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4		Indane	118	C9H10	000496-11-7	76
5		Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

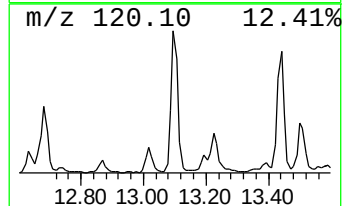
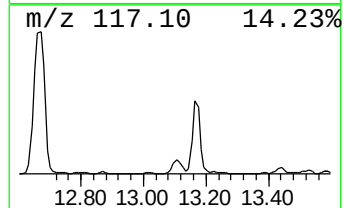
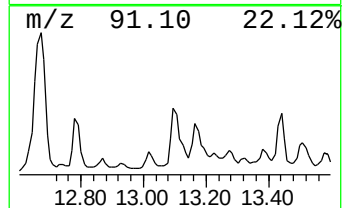
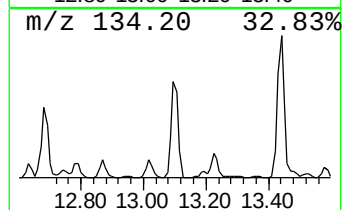
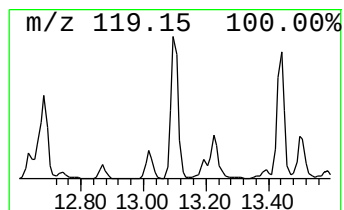
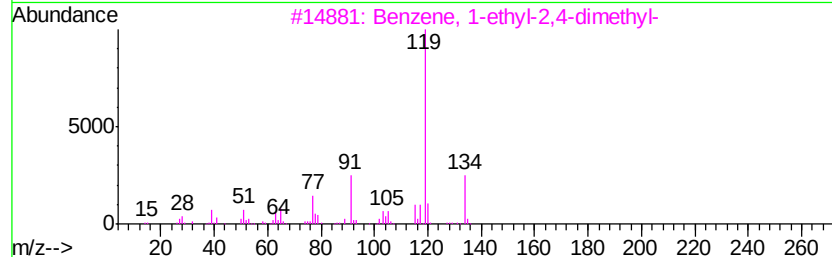
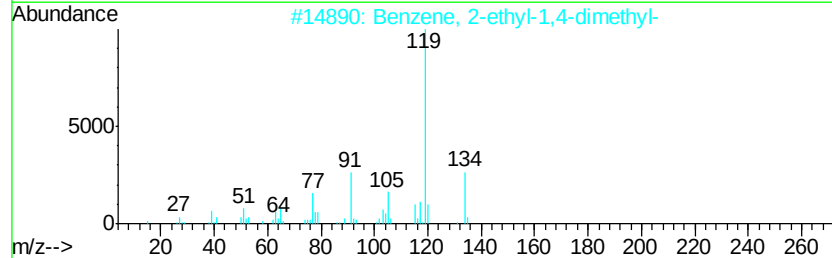
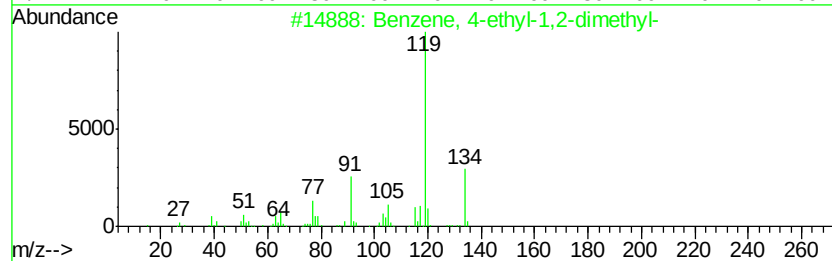
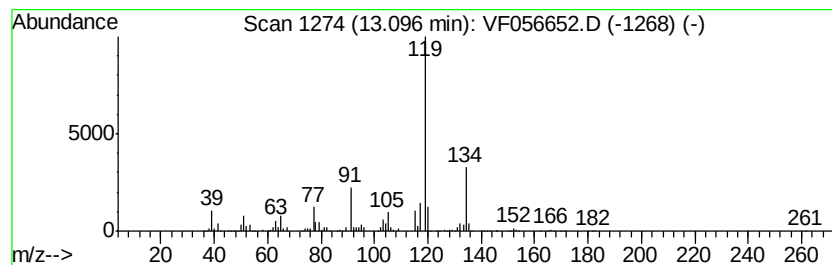
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	100.02 ug/l	20152000	1,4-Dichlorobenzene-d4	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		o-Cymene	134	C10H14	000527-84-4	94



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

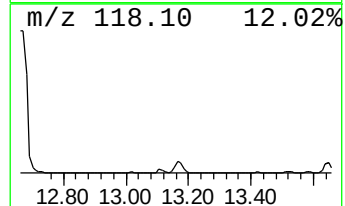
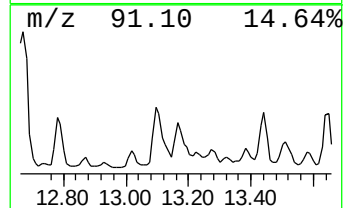
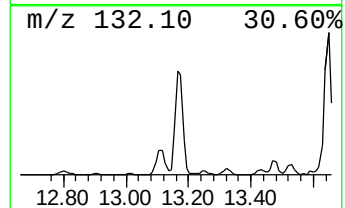
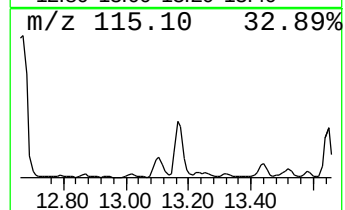
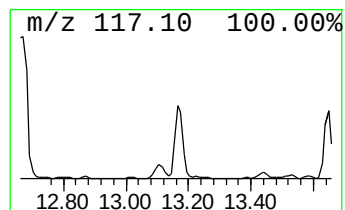
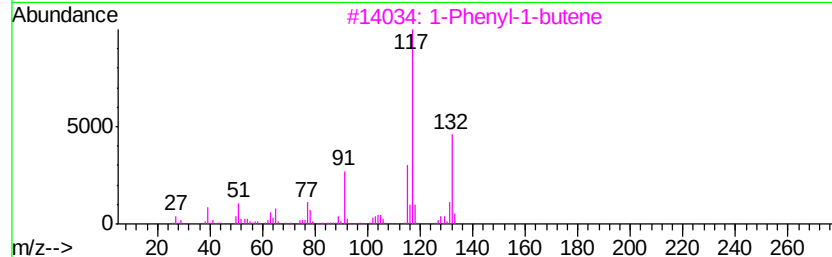
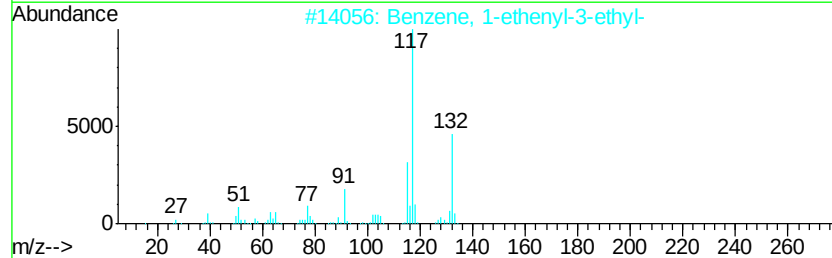
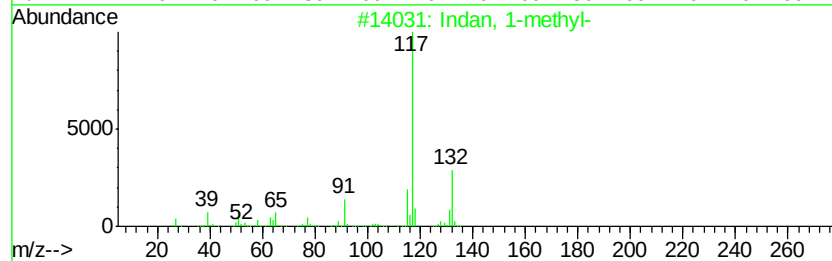
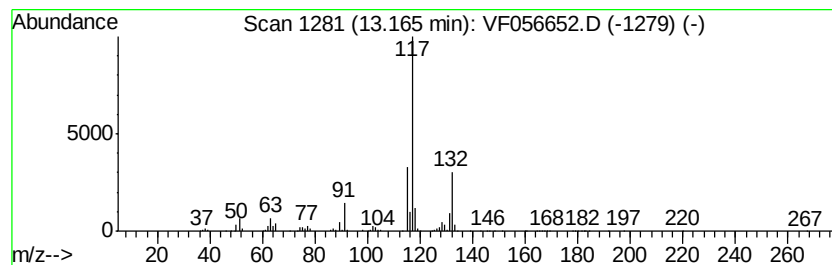
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Quant Title : SW846 8260

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

Peak Number 7 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	59.26 ug/l	11938500	1,4-Dichlorobenzene-d4	12.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indan, 1-methyl-	132	C10H12	000767-58-8	91
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	87



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

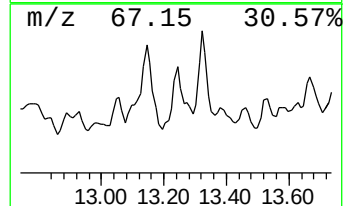
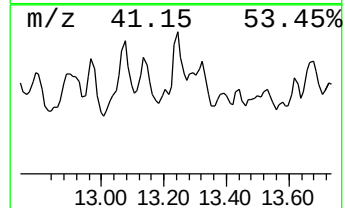
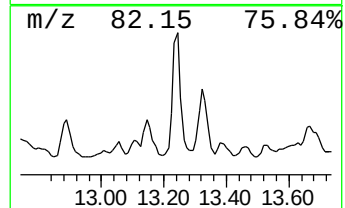
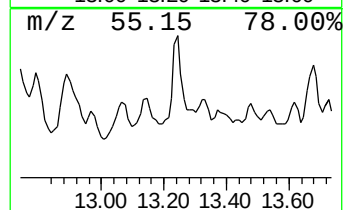
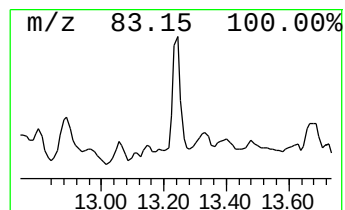
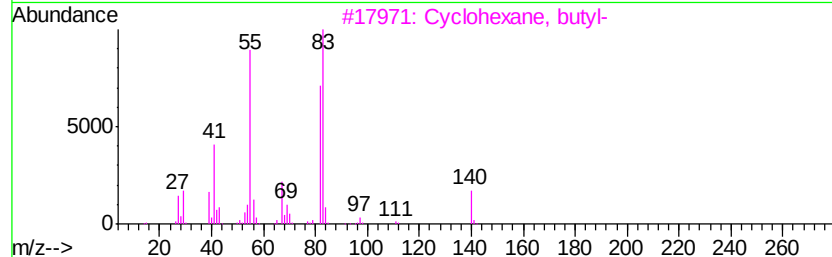
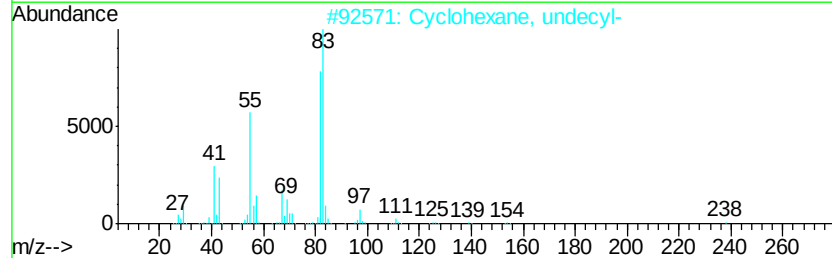
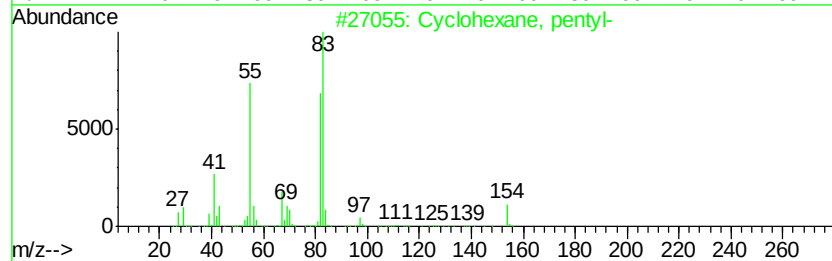
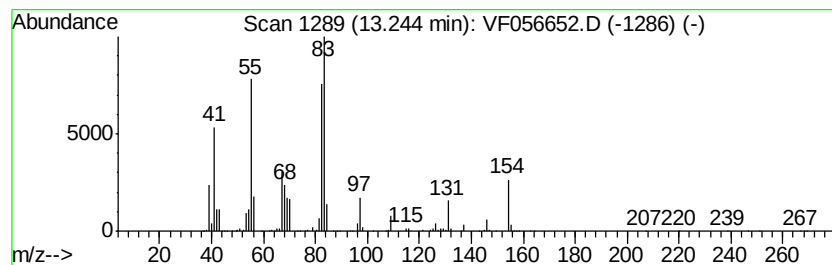
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, pentyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	65.23 ug/l	13142700	1,4-Dichlorobenzene-d4	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
2		Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	59
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

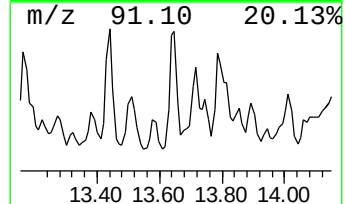
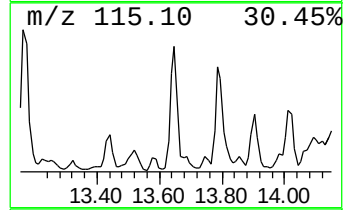
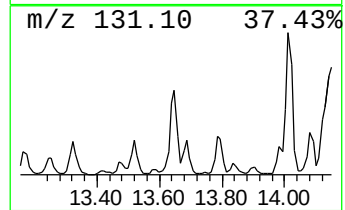
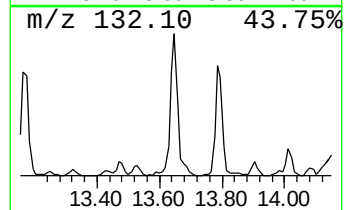
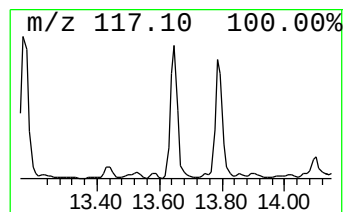
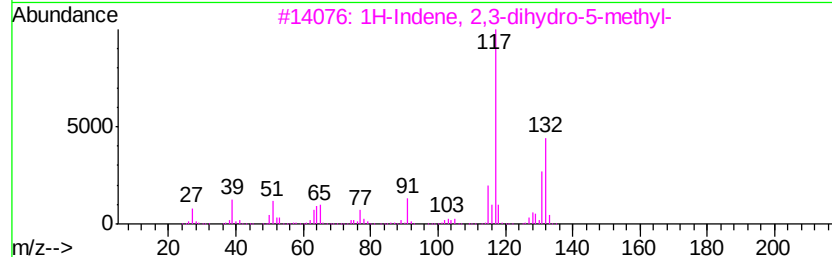
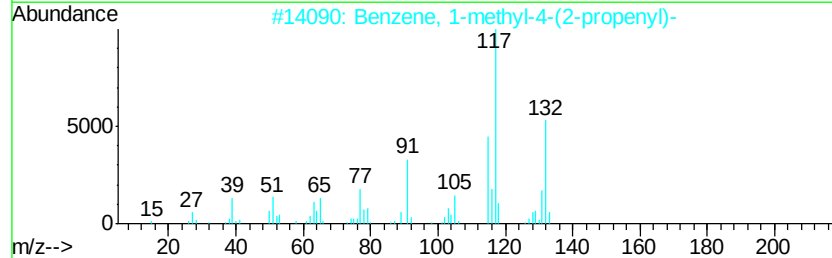
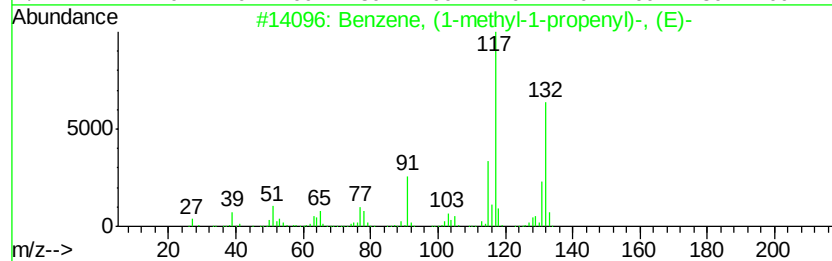
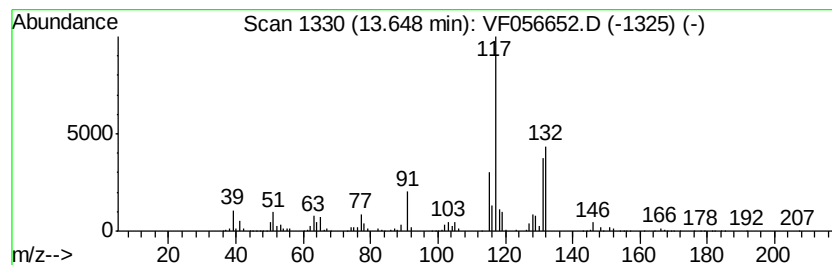
Instrument :
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ClientSampleId :
RO-72-11931

Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, (1-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	104.40 ug/l	21034900	1,4-Dichlorobenzene-d4	12.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3 87
2		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 87
3		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 87
4		1-Phenyl-1-butene	132 C10H12	000824-90-8 87
5		3-Phenylbut-1-ene	132 C10H12	000934-10-1 86



Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.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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Carbonic acid, 3-...	10.44	58.7	ug/l	5352490	3	9.69	4557850	50.0
Octane, 2,6-dimet...	10.61	117.9	ug/l	10749100	3	9.69	4557850	50.0
Nonane, 2,6-dimet...	11.95	66.9	ug/l	13470600	4	12.48	10073800	50.0
Benzene, 2-propenyl-	12.67	218.0	ug/l	43922800	4	12.48	10073800	50.0
Benzene, 4-ethyl-...	13.10	100.0	ug/l	20152000	4	12.48	10073800	50.0
Indan, 1-methyl-	13.16	59.3	ug/l	11938500	4	12.48	10073800	50.0
Cyclohexane, pentyl-	13.24	65.2	ug/l	13142700	4	12.48	10073800	50.0
Benzene, (1-methy...	13.65	104.4	ug/l	21034900	4	12.48	10073800	50.0