

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060233.D
 Acq On : 10 Sep 2018 14:30
 Operator : VA/AP
 Sample : J4803-09
 Misc : 5.09/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-G7

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\82F090618S.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	1.349	66	73	78	rBV6	5488	21835	1.07%	0.067%
2	2.275	162	167	170	rBV	21736	51065	2.51%	0.158%
3	2.334	171	173	181	rVV	16562	37785	1.86%	0.117%
4	4.296	365	372	385	rVB2	117221	361634	17.77%	1.117%
5	5.035	438	447	457	rBV2	277001	952566	46.80%	2.943%
6	5.765	514	521	532	rBV	281118	744238	36.57%	2.299%
7	7.707	713	718	735	rBV	277840	671099	32.97%	2.073%
8	8.436	787	792	797	rVB4	7166	21115	1.04%	0.065%
9	8.604	800	809	813	rBV7	8621	31246	1.54%	0.097%
10	8.771	821	826	831	rBV	37774	97117	4.77%	0.300%
11	8.988	843	848	855	rVB4	8091	23964	1.18%	0.074%
12	9.116	855	861	865	rBV2	41012	107864	5.30%	0.333%
13	9.254	871	875	879	rVB3	11263	26503	1.30%	0.082%
14	9.422	885	892	898	rBV	19366	50606	2.49%	0.156%
15	9.550	898	905	910	rBV5	8931	31878	1.57%	0.098%
16	9.688	910	919	924	rVV4	32470	111663	5.49%	0.345%
17	9.836	930	934	936	rVV4	18145	46180	2.27%	0.143%
18	9.915	936	942	951	rVV	471462	1193916	58.66%	3.689%
19	10.033	951	954	958	rVV6	9200	27967	1.37%	0.086%
20	10.122	958	963	967	rVB2	20018	48342	2.38%	0.149%
21	10.210	967	972	977	rBV2	37433	99745	4.90%	0.308%
22	10.378	982	989	996	rBV3	163135	612332	30.09%	1.892%
23	10.476	996	999	1004	rBV2	70748	146678	7.21%	0.453%
24	10.605	1008	1012	1013	rBV	54418	95234	4.68%	0.294%
25	10.644	1013	1016	1023	rVB3	123890	279590	13.74%	0.864%
26	10.782	1026	1030	1038	rBV3	285449	703220	34.55%	2.173%
27	10.900	1038	1042	1043	rBV3	141227	302322	14.85%	0.934%
28	10.940	1043	1046	1049	rVB	174885	293859	14.44%	0.908%
29	11.058	1054	1058	1061	rVB4	131750	301370	14.81%	0.931%
30	11.157	1061	1068	1072	rBV5	175776	543858	26.72%	1.680%
31	11.216	1072	1074	1076	rBV	60277	109180	5.36%	0.337%
32	11.255	1076	1078	1081	rVB2	127578	200377	9.85%	0.619%
33	11.373	1081	1090	1094	rVB	896361	2035209	100.00%	6.288%
34	11.423	1094	1095	1098	rVB2	41254	48437	2.38%	0.150%

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Integrator: RTE
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35	11.512	1098	1104	1109	rBV3	458481	1648903	81.02%	5.094%
36	11.590	1109	1112	1115	rVB5	158224	309143	15.19%	0.955%
37	11.650	1115	1118	1121	rVB	325346	506145	24.87%	1.564%
38	11.709	1121	1124	1126	rBV2	141725	259115	12.73%	0.801%
39	11.768	1126	1130	1133	rVB3	310194	724546	35.60%	2.239%
40	11.817	1133	1135	1137	rBV3	81889	136836	6.72%	0.423%
41	11.866	1137	1140	1143	rVB	232711	385265	18.93%	1.190%
42	11.916	1143	1145	1147	rVB	130050	173477	8.52%	0.536%
43	11.975	1147	1151	1153	rBV2	140556	300038	14.74%	0.927%
44	12.044	1153	1158	1159	rBV3	283256	780768	38.36%	2.412%
45	12.083	1159	1162	1167	rVB3	710114	1363412	66.99%	4.212%
46	12.162	1167	1170	1172	rBV2	164033	370674	18.21%	1.145%
47	12.251	1175	1179	1181	rBV3	320678	889511	43.71%	2.748%
48	12.369	1188	1191	1193	rVB3	250278	409377	20.11%	1.265%
49	12.418	1193	1196	1198	rBV2	195093	324376	15.94%	1.002%
50	12.477	1198	1202	1204	rVV4	120944	326201	16.03%	1.008%
51	12.566	1208	1211	1214	rBV2	276528	415998	20.44%	1.285%
52	12.635	1215	1218	1220	rVB	548788	804905	39.55%	2.487%
53	12.685	1220	1223	1227	rBV	918214	1486280	73.03%	4.592%
54	12.832	1235	1238	1242	rBV6	77397	134239	6.60%	0.415%
55	12.921	1242	1247	1250	rVB5	354920	1102101	54.15%	3.405%
56	12.970	1250	1252	1254	rVB2	136518	160305	7.88%	0.495%
57	13.039	1254	1259	1260	rBV4	144118	389662	19.15%	1.204%
58	13.187	1270	1274	1276	rBV2	266951	546168	26.84%	1.687%
59	13.227	1276	1278	1280	rVV	192133	320484	15.75%	0.990%
60	13.276	1280	1283	1286	rVV2	446499	854489	41.99%	2.640%
61	13.325	1286	1288	1290	rVV2	115010	191909	9.43%	0.593%
62	13.404	1293	1296	1298	rVV2	422337	735645	36.15%	2.273%
63	13.453	1298	1301	1305	rVV2	674204	1164622	57.22%	3.598%
64	13.522	1305	1308	1314	rVB2	215892	468255	23.01%	1.447%
65	13.601	1314	1316	1318	rVB3	42060	52964	2.60%	0.164%
66	13.651	1318	1321	1323	rBV	426041	625916	30.75%	1.934%
67	13.710	1323	1327	1330	rVB2	332296	546438	26.85%	1.688%
68	13.769	1330	1333	1336	rBV	331740	428550	21.06%	1.324%
69	13.818	1336	1338	1340	rVB2	63786	85599	4.21%	0.264%
70	13.877	1340	1344	1346	rBV	213053	350202	17.21%	1.082%
71	13.927	1346	1349	1352	rVB2	151831	250094	12.29%	0.773%

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72	13.986	1352	1355	1356	rBV2	58497	91637	4.50%	0.283%
73	14.015	1356	1358	1362	rVB2	189000	299835	14.73%	0.926%
74	14.074	1362	1364	1366	rBV	56485	70452	3.46%	0.218%
75	14.134	1367	1370	1374	rVB6	45719	111760	5.49%	0.345%
76	14.222	1374	1379	1384	rBV5	226559	830661	40.81%	2.566%
77	14.281	1384	1385	1388	rVV	97410	110444	5.43%	0.341%
78	14.360	1391	1393	1395	rVV2	35488	54853	2.70%	0.169%
79	14.429	1398	1400	1403	rVB	59591	77841	3.82%	0.240%
80	14.548	1408	1412	1417	rVB6	33881	101714	5.00%	0.314%
81	14.626	1417	1420	1426	rVB6	25260	50320	2.47%	0.155%
82	14.804	1431	1438	1440	rBV5	21526	56001	2.75%	0.173%
83	15.050	1460	1463	1467	rBV4	16019	25906	1.27%	0.080%
84	15.711	1522	1530	1533	rBV5	11494	32349	1.59%	0.100%

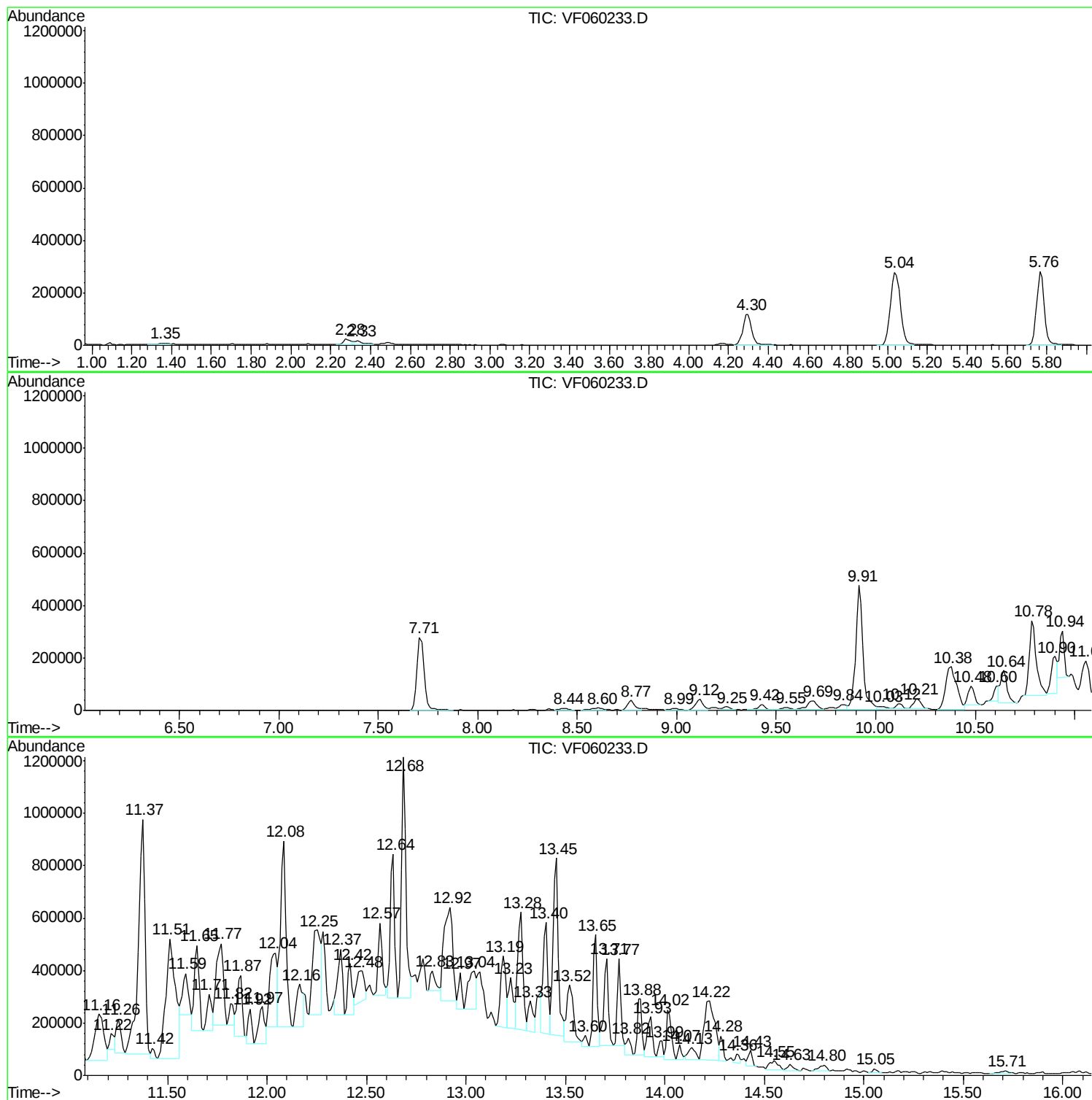
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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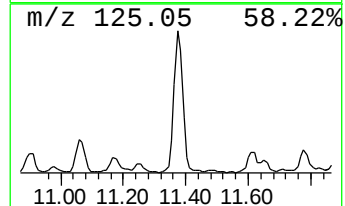
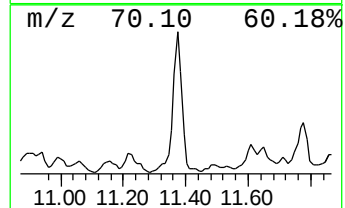
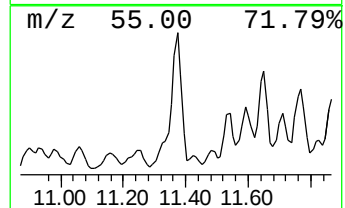
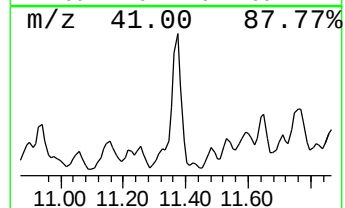
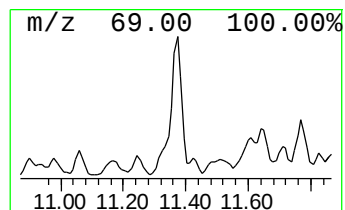
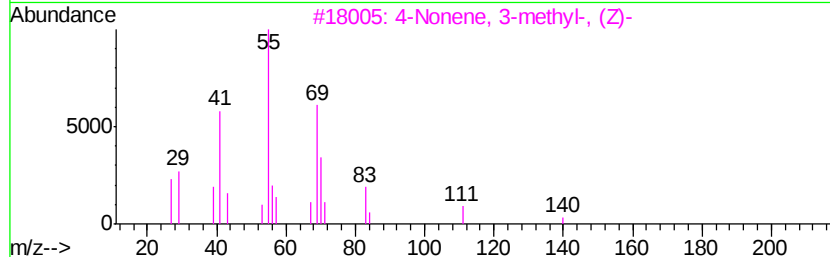
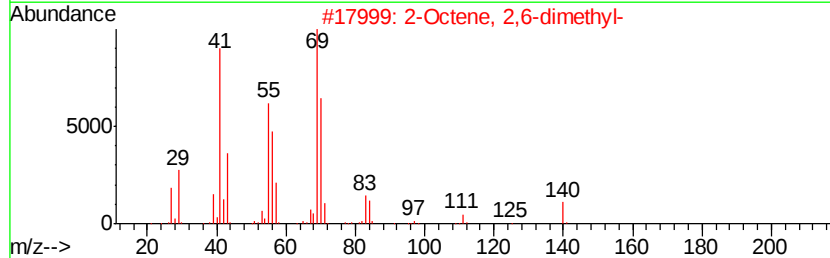
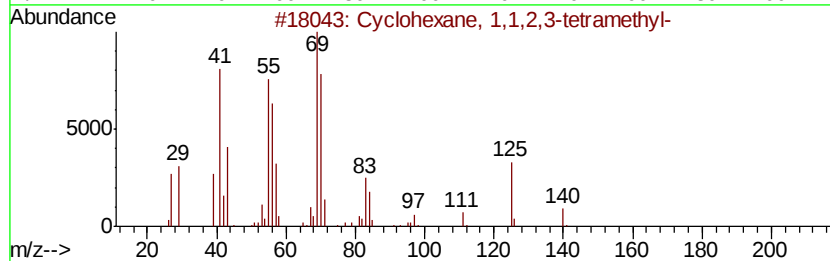
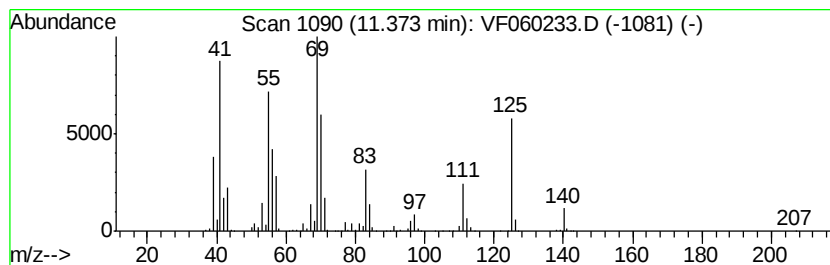
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	126.43 ug/l	2035210	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
3		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	53
4		Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	43
5		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43



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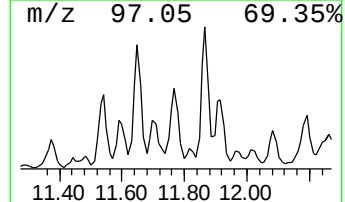
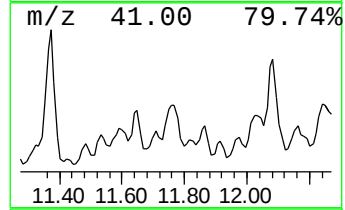
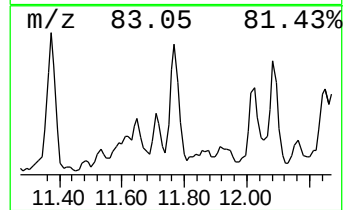
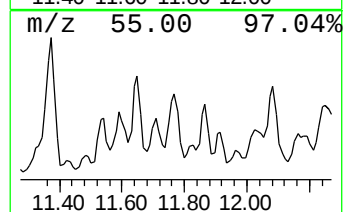
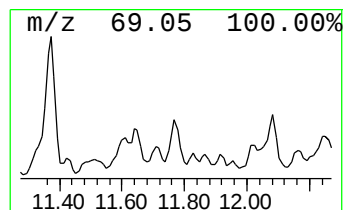
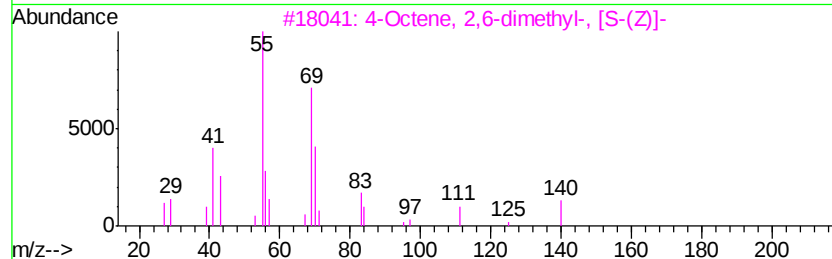
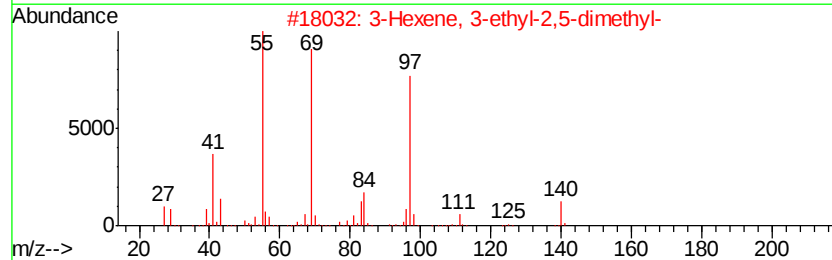
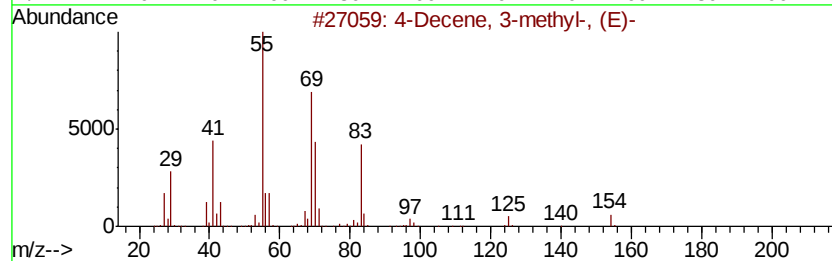
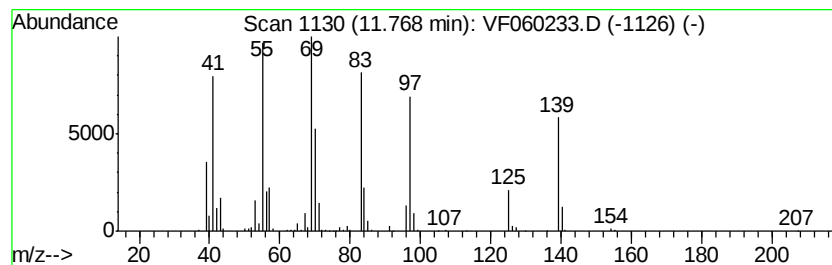
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4-Decene, 3-methyl-, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	45.01 ug/l	724546	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Decene, 3-methyl-, (E)-	154	C11H22	062338-47-0	50
2		3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	43
3		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	38
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	35
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	30



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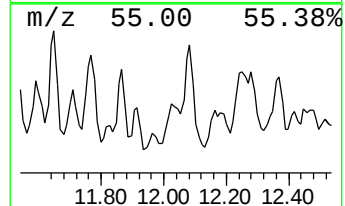
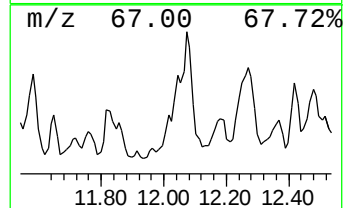
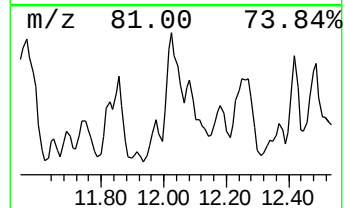
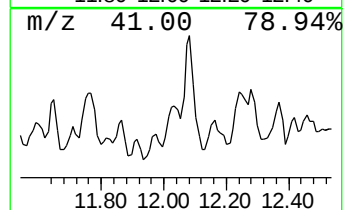
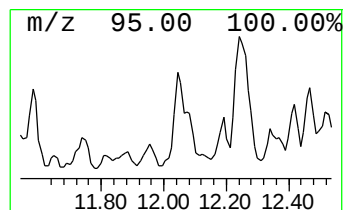
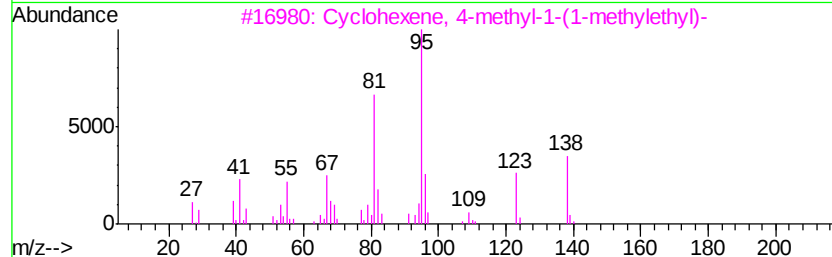
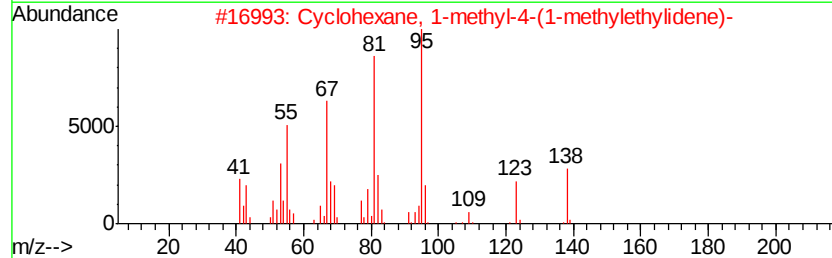
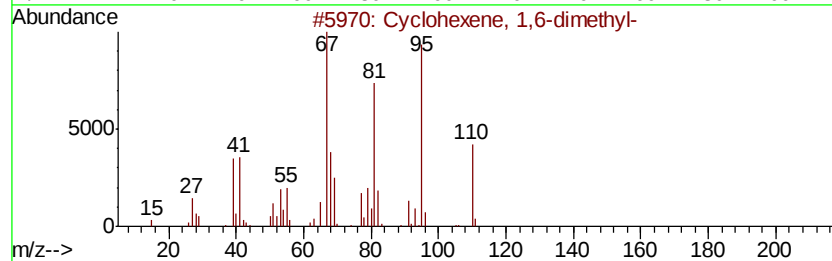
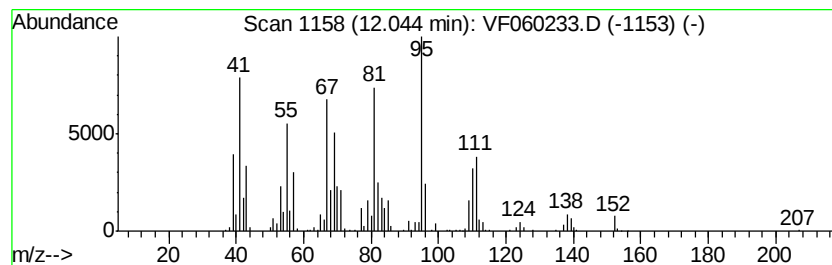
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ClientSampled :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	48.50 ug/l	780768	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexene, 1,6-dimethyl-	110 C8H14	001759-64-4 70
2		Cyclohexane, 1-methyl-4-(1-methyl-...	138 C10H18	001124-27-2 70
3		Cyclohexene, 4-methyl-1-(1-methyl-...	138 C10H18	000500-00-5 52
4		Cyclohexene, 1-butyl-	138 C10H18	003282-53-9 50
5		Cyclopentane, 1,2-dimethyl-3-met...	110 C8H14	1000150-99-3 50



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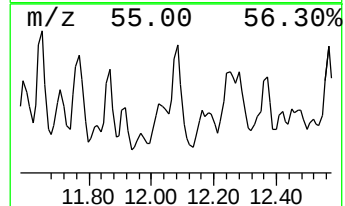
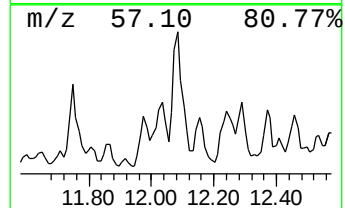
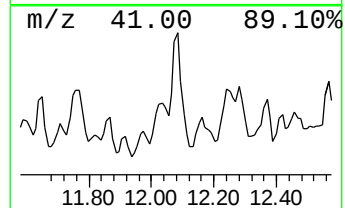
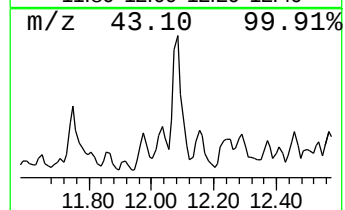
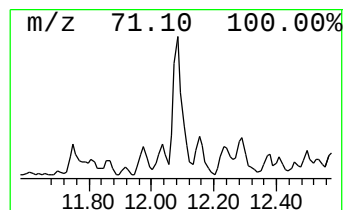
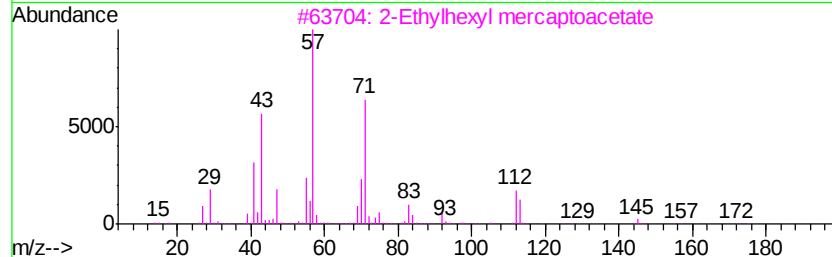
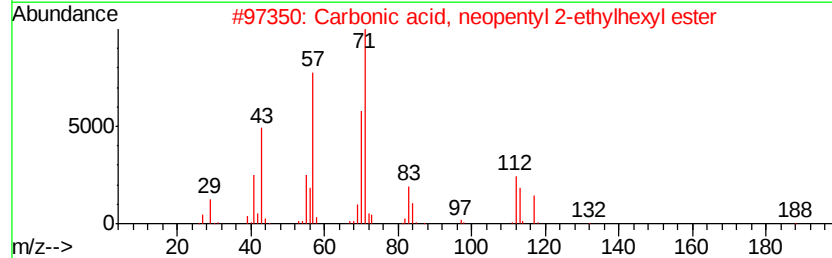
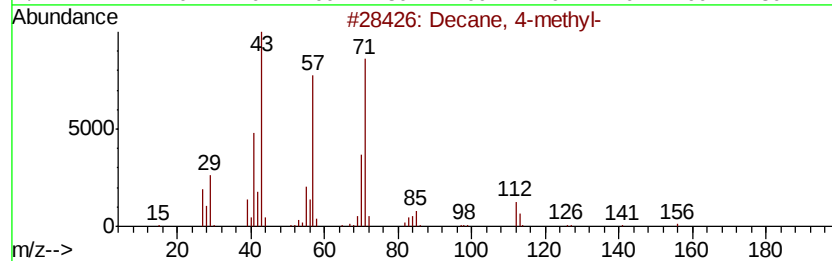
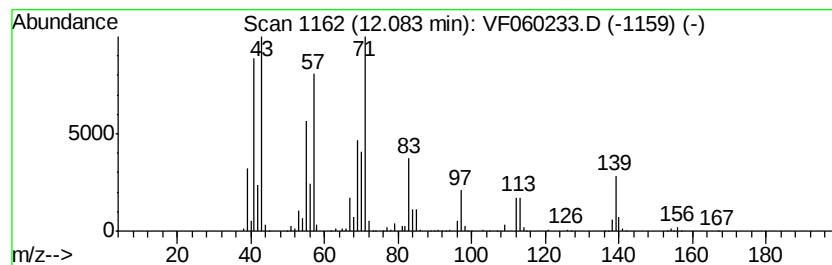
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Quant Title : SW846 8260

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

Peak Number 4 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	84.69 ug/l	1363410	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	76
2		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	59
3		2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	50
4		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	43
5		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

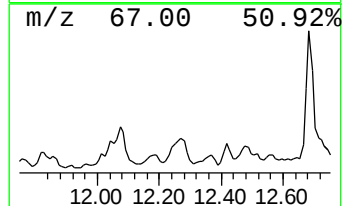
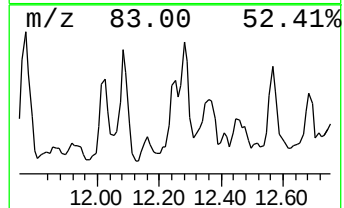
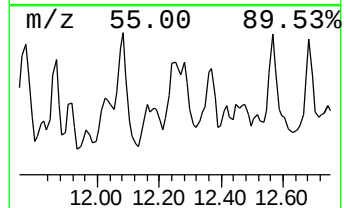
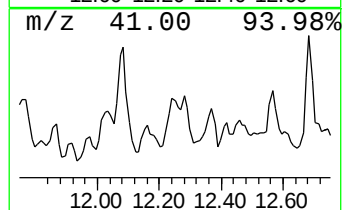
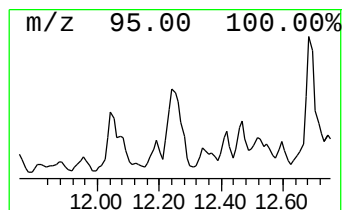
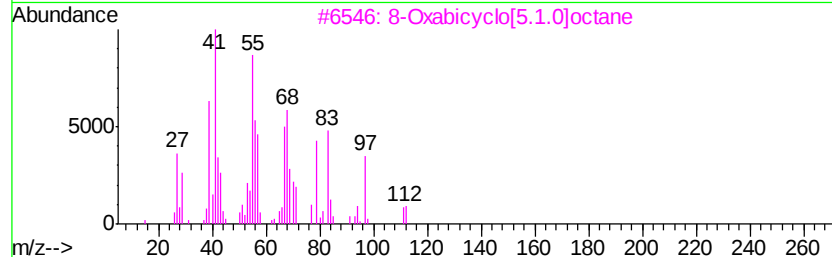
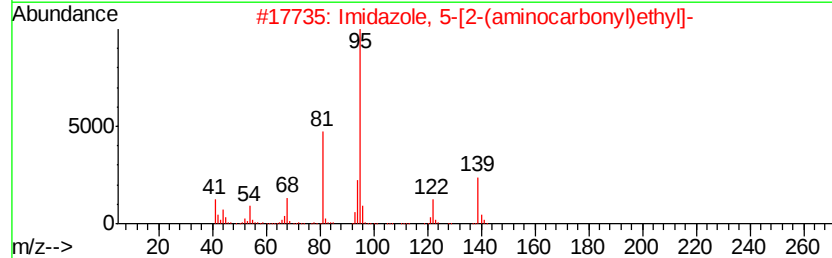
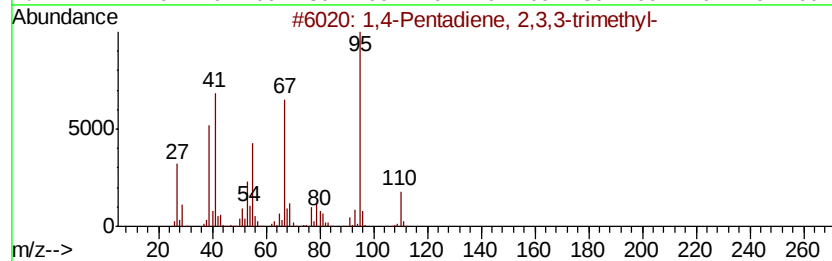
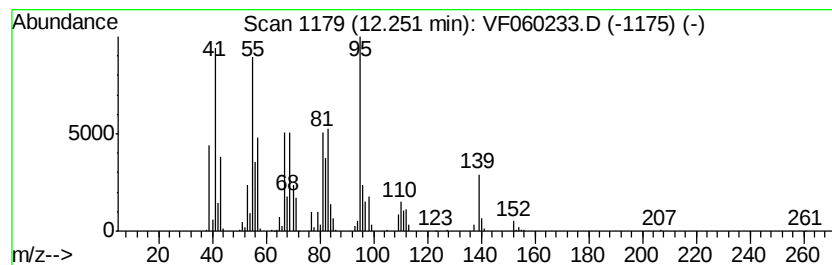
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 5 1,4-Pentadiene, 2,3,3-trime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.25	55.26 ug/l	889511	1,4-Dichlorobenzene-d4	12.64	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	50
2	Imidazole, 5-[2-(aminocarbonyl)e...	139	C6H9N3O	040160-23-4	38
3	8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	38
4	N-(5-Methylfurfuryl)dimethylamine	139	C8H13NO	014496-35-6	30
5	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

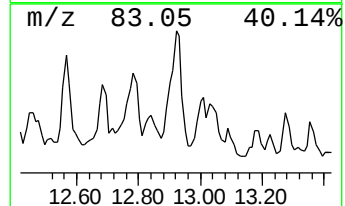
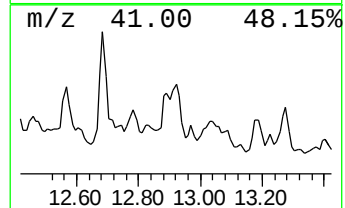
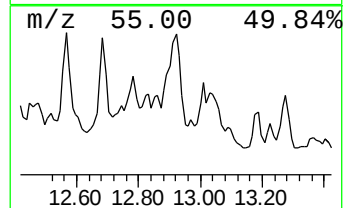
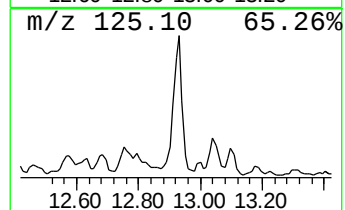
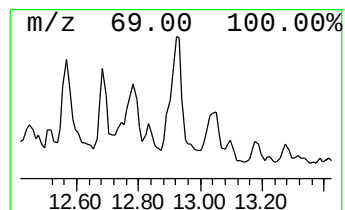
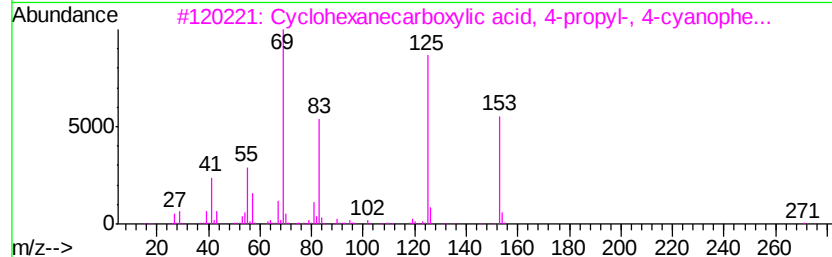
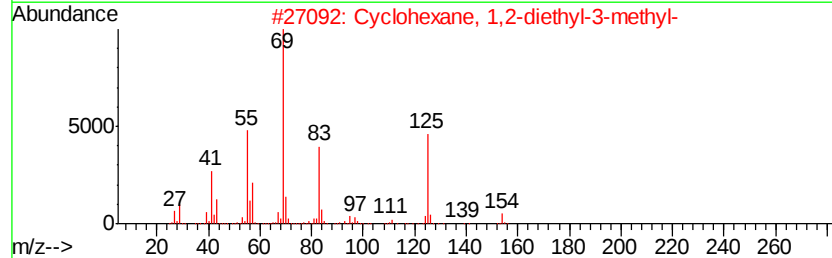
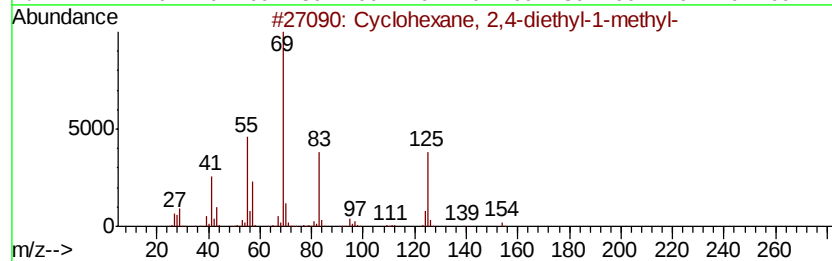
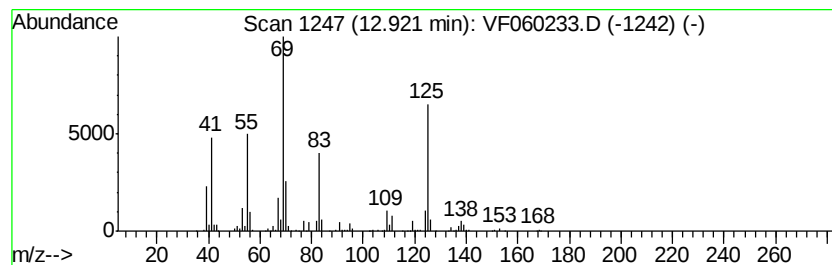
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 2,4-diethyl-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	68.46 ug/l	1102100	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	72
2		Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	64
3		Cyclohexanecarboxylic acid, 4-propyl-, 4-cyanophenyl-	271	C17H21NO2	062439-33-2	59
4		Cyclohexane, 1,1'-(1-methylethyl)-	208	C15H28	054934-90-6	50
5		Cyclohexane, 1,3,5-trimethyl-2-o-	378	C27H54	055282-34-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

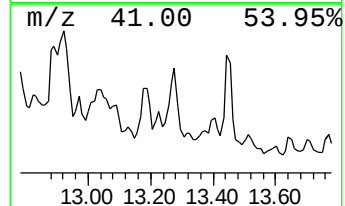
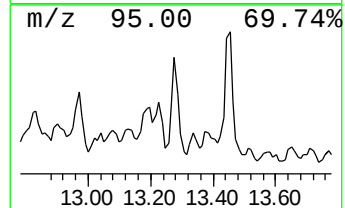
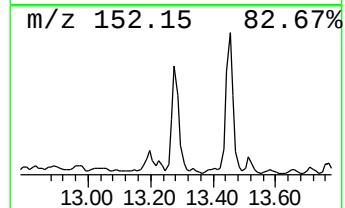
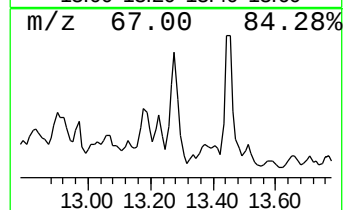
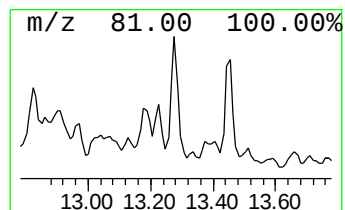
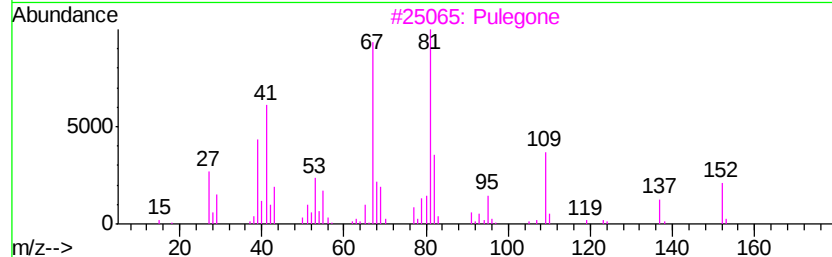
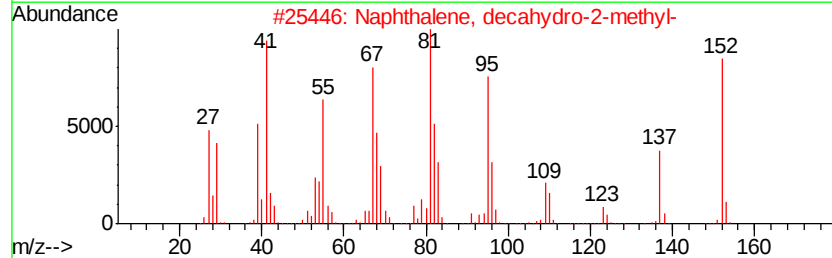
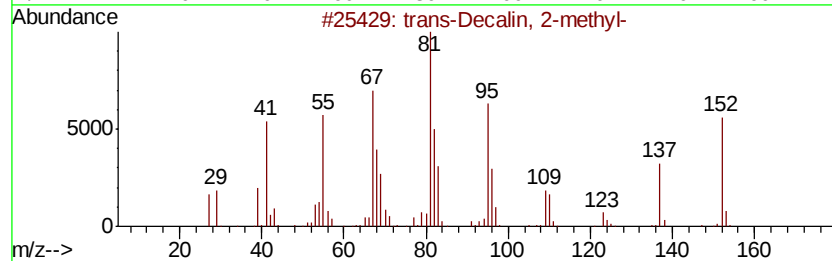
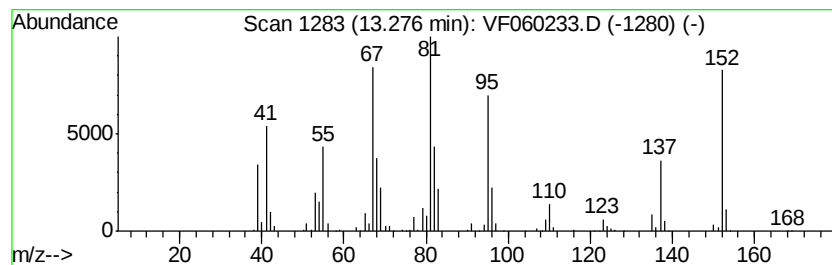
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 7 trans-Decalin, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	53.08 ug/l	854489	1,4-Dichlorobenzene-d4	12.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	93
3	Pulegone	152 C10H16O	000089-82-7	81
4	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	74
5	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	000529-00-0	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

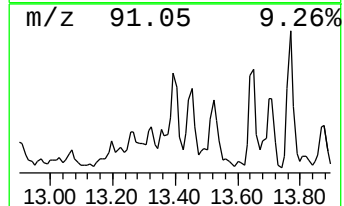
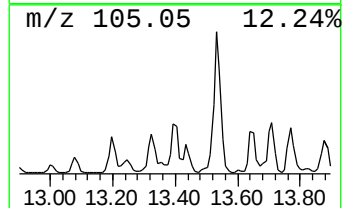
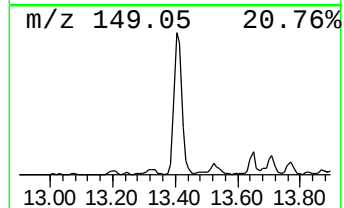
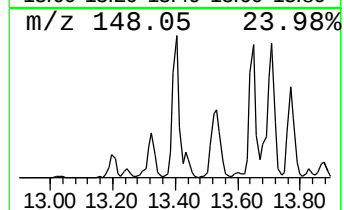
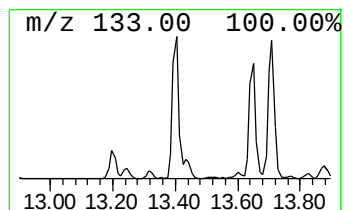
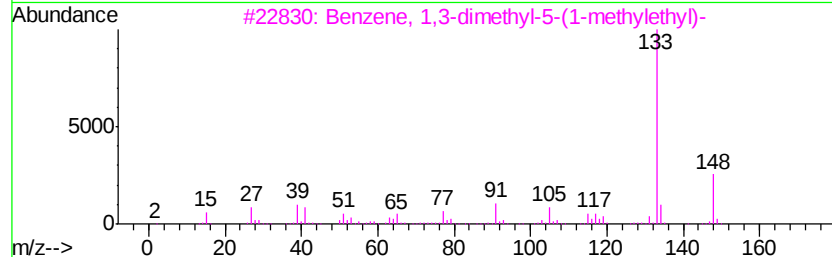
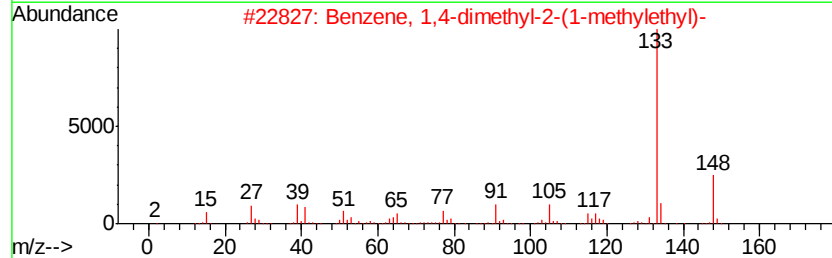
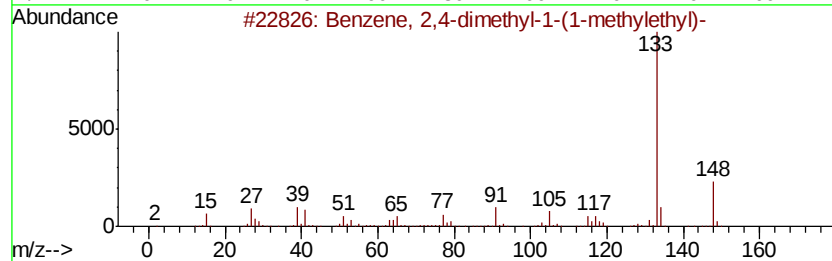
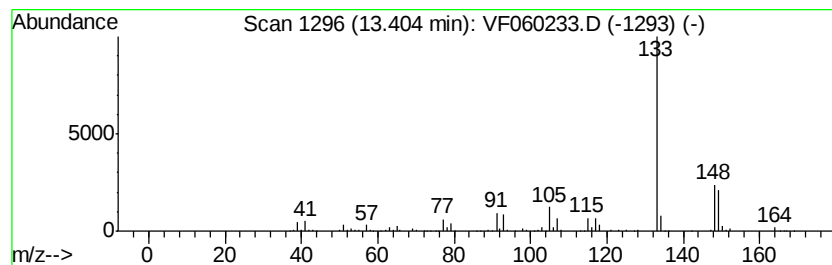
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	45.70 ug/l	735645	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	81
2		Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	80
3		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	72
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	59
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

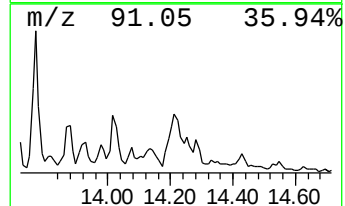
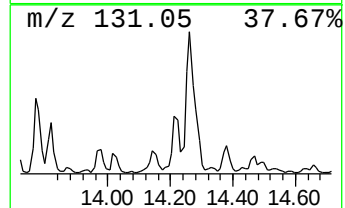
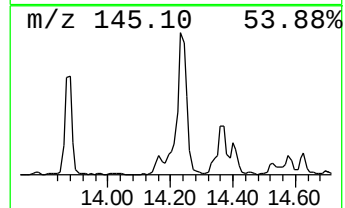
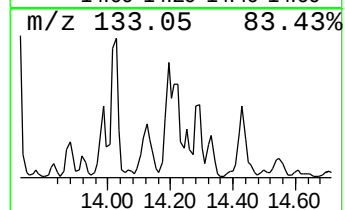
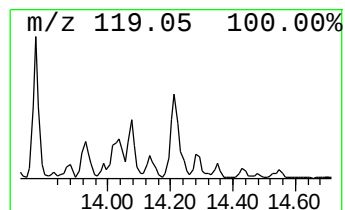
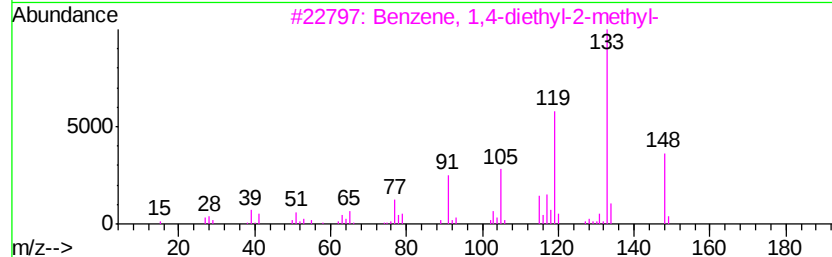
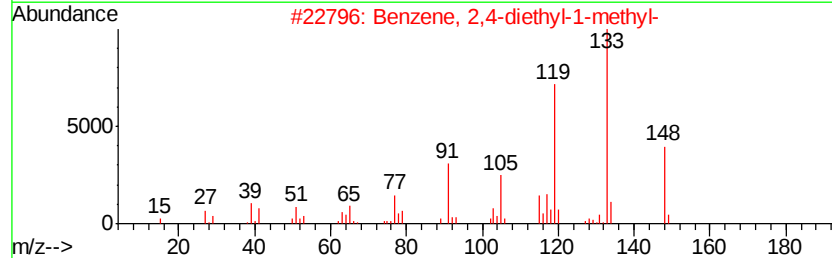
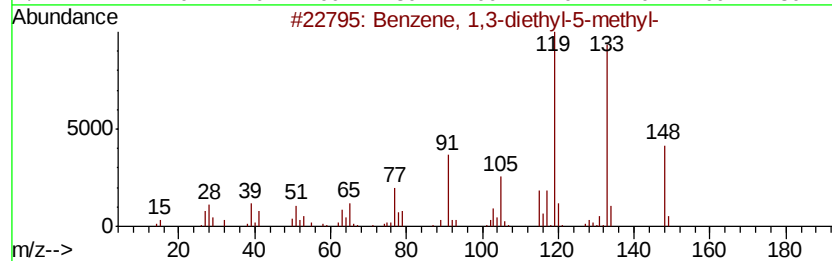
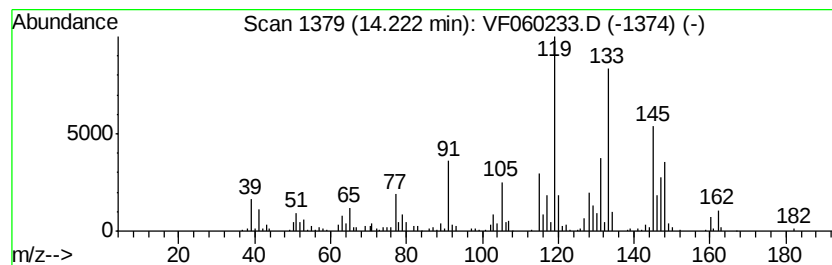
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	51.60 ug/l	830661	1,4-Dichlorobenzene-d4	12.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	92
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
3		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	45
4		5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	38
5		1-Propanone, 1-(2,4-dimethylphen...	162	C11H14O	035031-55-1	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF091018\
Data File : VF060233.D
Acq On : 10 Sep 2018 14:30
Operator : VA/AP
Sample : J4803-09
Misc : 5.09/5mL/MSVOA_F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-G7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.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
Cyclohexane, 1,1,...	11.37	126.4	ug/l	2035210	4	12.64	804905	50.0
4-Decene, 3-methy...	11.77	45.0	ug/l	724546	4	12.64	804905	50.0
Cyclohexene, 1,6-...	12.04	48.5	ug/l	780768	4	12.64	804905	50.0
Decane, 4-methyl-	12.08	84.7	ug/l	1363410	4	12.64	804905	50.0
1,4-Pentadiene, 2...	12.25	55.3	ug/l	889511	4	12.64	804905	50.0
Cyclohexane, 2,4-...	12.92	68.5	ug/l	1102100	4	12.64	804905	50.0
trans-Decalin, 2-...	13.28	53.1	ug/l	854489	4	12.64	804905	50.0
Benzene, 2,4-dime...	13.40	45.7	ug/l	735645	4	12.64	804905	50.0
Benzene, 1,3-diet...	14.22	51.6	ug/l	830661	4	12.64	804905	50.0