

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
 Data File : VF062731.D
 Acq On : 23 May 2019 17:15
 Operator : FY/SY
 Sample : K3002-08
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 22-C6-20190413

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\82F051619S.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	1.130	56	60	64	rBV3	22118	62900	2.17%	0.166%
2	1.682	114	116	118	rVB	39912	29561	1.02%	0.078%
3	2.283	175	177	180	rBV4	14503	31879	1.10%	0.084%
4	2.352	181	184	188	rVV4	18402	36919	1.28%	0.098%
5	2.500	195	199	203	rBV2	56997	127258	4.40%	0.337%
6	4.215	365	373	377	rBV2	54008	193374	6.68%	0.512%
7	4.314	377	383	394	rVB	447968	1398354	48.34%	3.701%
8	4.609	406	413	422	rVB2	76234	318076	10.99%	0.842%
9	5.063	451	459	469	rBV2	870110	2892944	100.00%	7.656%
10	5.782	525	532	541	rBV	1032479	2739964	94.71%	7.252%
11	7.645	716	721	723	rBV3	15477	43083	1.49%	0.114%
12	7.714	723	728	739	rVB	1073507	2597814	89.80%	6.875%
13	8.424	796	800	804	rVV3	12515	29775	1.03%	0.079%
14	8.542	806	812	813	rBV5	11646	29790	1.03%	0.079%
15	8.611	815	819	824	rVB5	28863	69801	2.41%	0.185%
16	8.779	830	836	840	rBV	63238	167791	5.80%	0.444%
17	9.104	865	869	874	rBV2	42819	106355	3.68%	0.281%
18	9.252	880	884	887	rVB4	23390	55781	1.93%	0.148%
19	9.351	892	894	897	rBV	39500	32627	1.13%	0.086%
20	9.430	897	902	906	rVV3	21345	54647	1.89%	0.145%
21	9.686	919	928	933	rBV7	25432	85957	2.97%	0.227%
22	9.913	946	951	958	rBV	1119675	2331174	80.58%	6.170%
23	10.021	958	962	967	rVB3	85018	208474	7.21%	0.552%
24	10.267	984	987	991	rVB2	33661	60067	2.08%	0.159%
25	10.366	991	997	1005	rBV4	80784	263742	9.12%	0.698%
26	10.465	1005	1007	1013	rBV5	20204	57529	1.99%	0.152%
27	10.593	1017	1020	1022	rBV3	25048	55022	1.90%	0.146%
28	10.642	1022	1025	1031	rVB2	78501	176227	6.09%	0.466%
29	10.780	1032	1039	1042	rBV2	244979	538444	18.61%	1.425%
30	10.898	1046	1051	1052	rBV3	55642	147594	5.10%	0.391%
31	10.928	1052	1054	1057	rVB	66784	110425	3.82%	0.292%
32	11.046	1062	1066	1070	rVB3	38119	88170	3.05%	0.233%
33	11.145	1070	1076	1080	rBV4	74137	279303	9.65%	0.739%
34	11.204	1080	1082	1085	rBV2	96472	154302	5.33%	0.408%

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Integrator: RTE
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35	11.243	1085	1086	1089	rVB2	79676	81189	2.81%	0.215%
36	11.362	1089	1098	1102	rVB	439543	926796	32.04%	2.453%
37	11.500	1106	1112	1117	rBV	907043	1671346	57.77%	4.423%
38	11.578	1117	1120	1123	rBV4	56175	117446	4.06%	0.311%
39	11.638	1123	1126	1128	rBV	192361	280796	9.71%	0.743%
40	11.687	1128	1131	1132	rBV2	52664	84564	2.92%	0.224%
41	11.726	1132	1135	1140	rVV	591808	972430	33.61%	2.574%
42	11.845	1145	1147	1150	rVV3	111426	215667	7.45%	0.571%
43	11.894	1150	1152	1155	rVV2	254867	412098	14.24%	1.091%
44	11.953	1155	1158	1161	rVV3	86970	177263	6.13%	0.469%
45	12.022	1161	1165	1166	rVV2	149937	339759	11.74%	0.899%
46	12.061	1166	1169	1174	rVV2	770291	1358342	46.95%	3.595%
47	12.140	1174	1177	1179	rVV2	89115	222070	7.68%	0.588%
48	12.229	1182	1186	1187	rVV4	148169	387593	13.40%	1.026%
49	12.268	1187	1190	1194	rVV	948815	1558168	53.86%	4.124%
50	12.347	1194	1198	1201	rVV3	145362	400194	13.83%	1.059%
51	12.397	1201	1203	1205	rVV2	91989	188209	6.51%	0.498%
52	12.436	1205	1207	1209	rVV	203555	369016	12.76%	0.977%
53	12.475	1209	1211	1213	rVV2	185884	376653	13.02%	0.997%
54	12.515	1213	1215	1217	rVV2	231926	383700	13.26%	1.016%
55	12.544	1217	1218	1221	rVV2	162912	262773	9.08%	0.695%
56	12.613	1221	1225	1228	rVV	1260906	2069543	71.54%	5.477%
57	12.673	1228	1231	1235	rVV	662596	1180581	40.81%	3.125%
58	12.771	1238	1241	1244	rVV3	111725	355151	12.28%	0.940%
59	12.830	1244	1247	1248	rVV	239290	422686	14.61%	1.119%
60	12.870	1248	1251	1258	rVV3	915987	2109717	72.93%	5.584%
61	12.949	1258	1259	1261	rVV2	42250	68583	2.37%	0.182%
62	12.988	1261	1263	1268	rVV3	129253	370607	12.81%	0.981%
63	13.057	1268	1270	1274	rVV	137310	254764	8.81%	0.674%
64	13.146	1274	1279	1283	rVV2	169816	505027	17.46%	1.337%
65	13.205	1283	1285	1287	rVV	201481	274651	9.49%	0.727%
66	13.254	1287	1290	1291	rVV2	89030	166487	5.75%	0.441%
67	13.303	1293	1295	1297	rVV	123119	197924	6.84%	0.524%
68	13.333	1297	1298	1302	rVV2	164164	300661	10.39%	0.796%
69	13.432	1305	1308	1310	rVV2	122267	170906	5.91%	0.452%
70	13.471	1310	1312	1317	rVB3	69338	98443	3.40%	0.261%
71	13.540	1317	1319	1321	rBV	133521	168202	5.81%	0.445%

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72	13.589	1321	1324	1326	rVV	195806	284329	9.83%	0.753%
73	13.619	1326	1327	1330	rVB2	37072	41752	1.44%	0.111%
74	13.747	1337	1340	1344	rVV2	171277	280849	9.71%	0.743%
75	13.826	1344	1348	1349	rVV3	39346	83985	2.90%	0.222%
76	13.855	1349	1351	1352	rVV2	43365	62881	2.17%	0.166%
77	13.915	1352	1357	1360	rVV2	271417	618498	21.38%	1.637%
78	13.954	1360	1361	1364	rVV2	64151	84013	2.90%	0.222%
79	14.013	1364	1367	1370	rVB	149875	212366	7.34%	0.562%
80	14.122	1375	1378	1381	rVV3	29060	61640	2.13%	0.163%
81	14.191	1381	1385	1387	rVV4	50411	115747	4.00%	0.306%
82	14.260	1387	1392	1398	rVV3	39936	141190	4.88%	0.374%
83	14.457	1407	1412	1413	rVV5	16072	40337	1.39%	0.107%
84	14.496	1413	1416	1418	rVV	83928	148847	5.15%	0.394%
85	14.545	1418	1421	1424	rVV2	58506	134926	4.66%	0.357%
86	14.644	1427	1431	1438	rVV	98204	171400	5.92%	0.454%
87	14.772	1440	1444	1449	rVB6	23009	36191	1.25%	0.096%
88	15.038	1467	1471	1476	rVB8	15596	31345	1.08%	0.083%
89	15.314	1497	1499	1503	rVV	27084	48468	1.68%	0.128%
90	15.442	1506	1512	1518	rVB	54455	110339	3.81%	0.292%

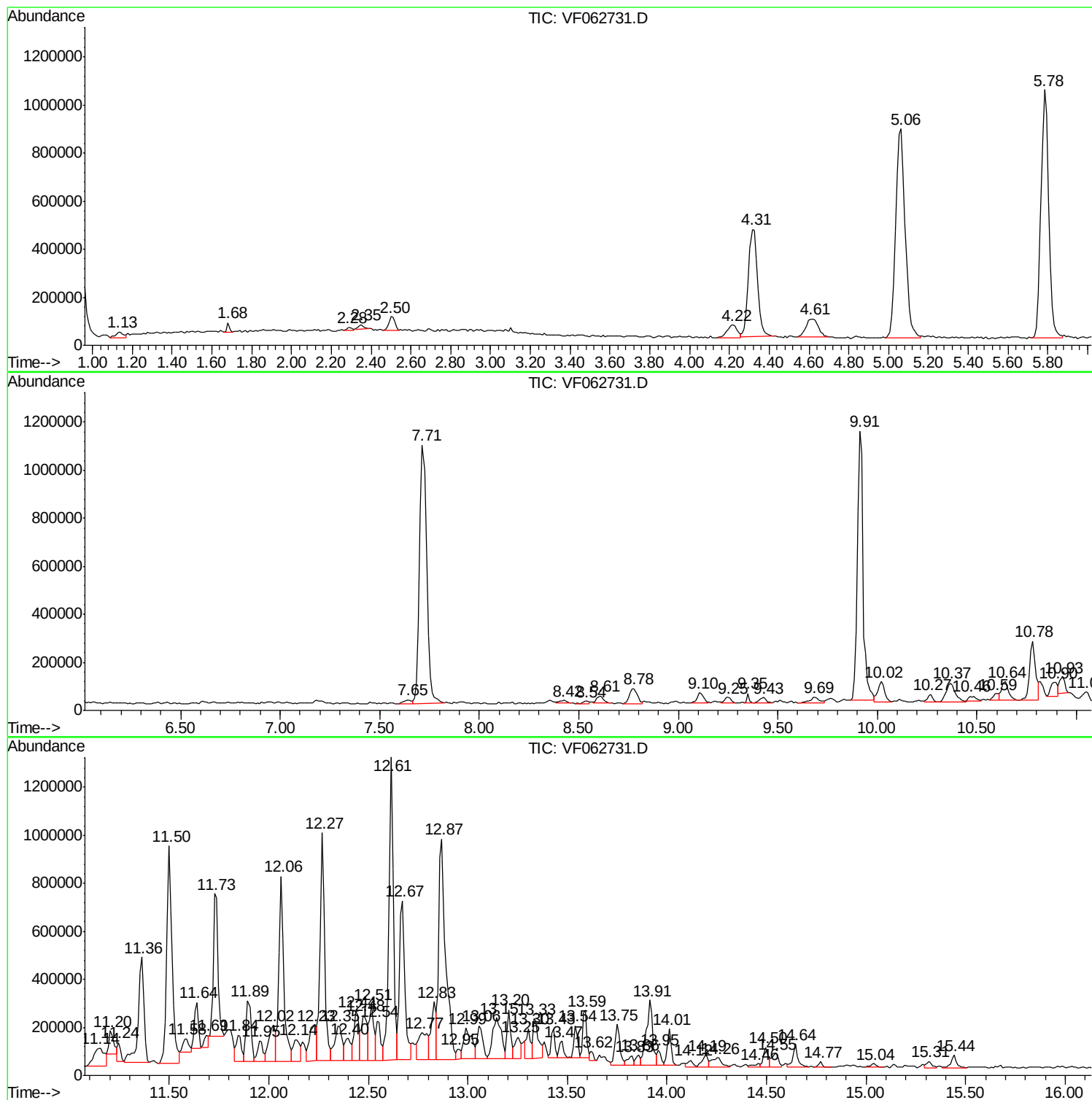
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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



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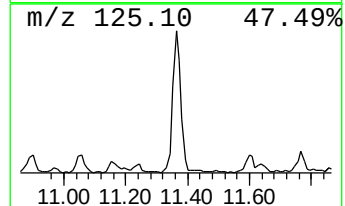
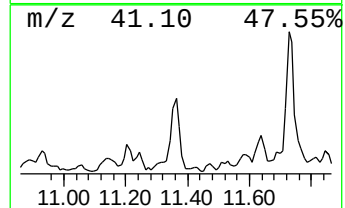
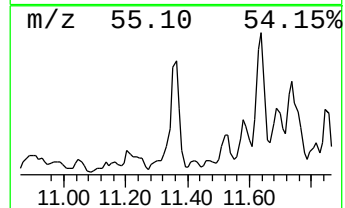
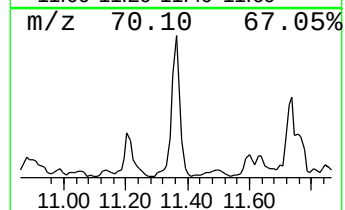
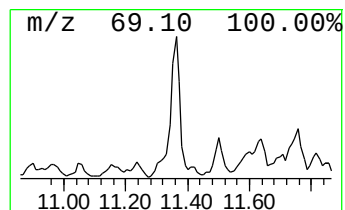
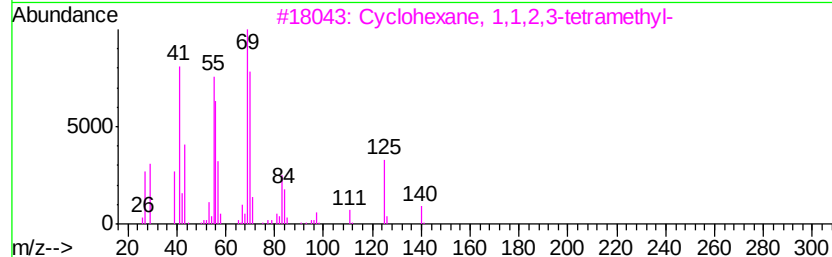
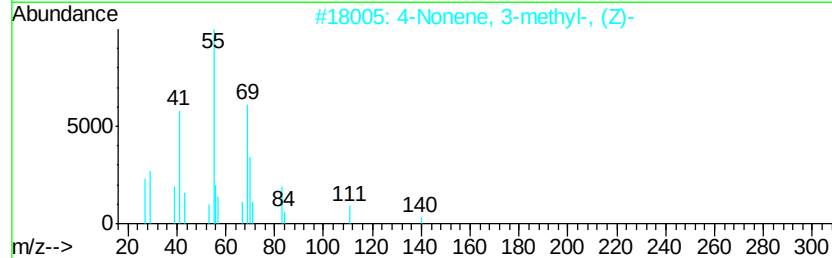
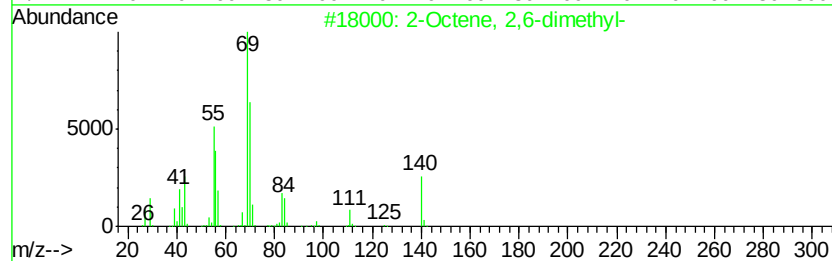
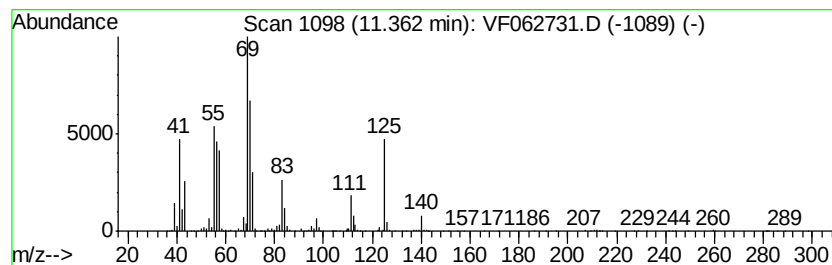
Instrument :
MSVOA_F
ClientSampleId :
22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Octene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.36	22.39 ug/l	926796	1,4-Dichlorobenzene-d4	12.61	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	53
3	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
4	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	46



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ALS Vial : 15 Sample Multiplier: 1

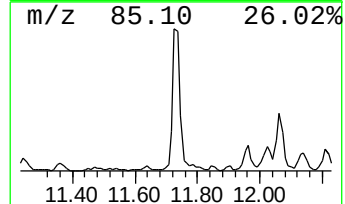
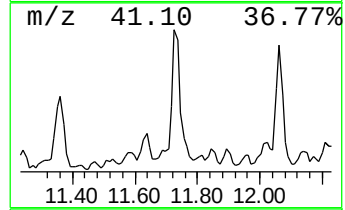
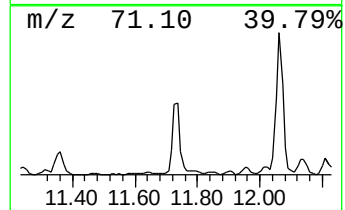
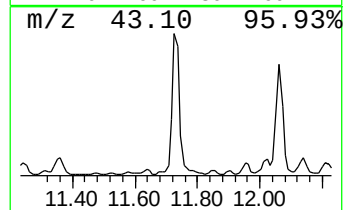
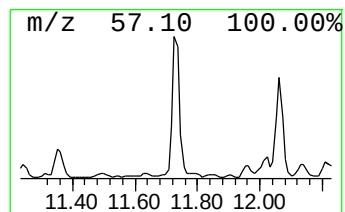
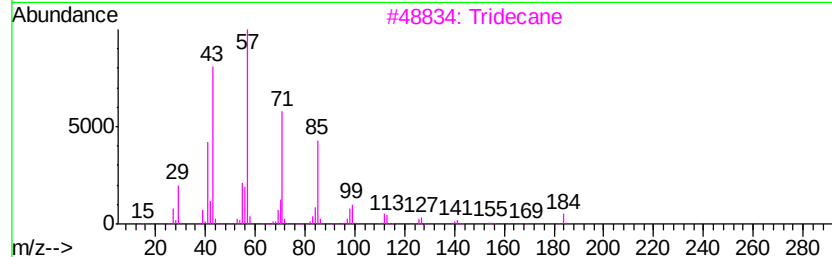
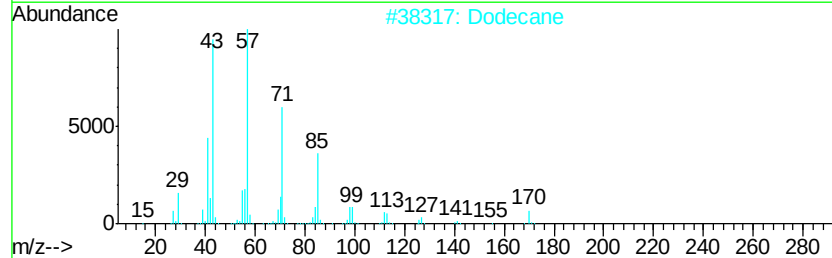
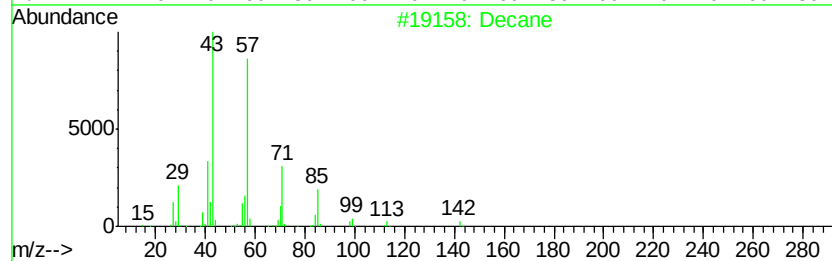
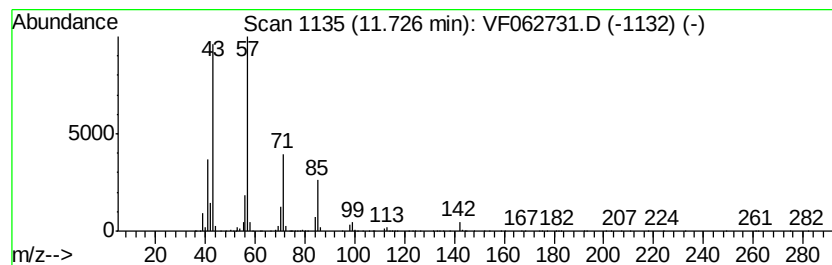
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 2 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	23.49 ug/l	972430	1,4-Dichlorobenzene-d4	12.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane		142 C10H22	000124-18-5 94
2	Dodecane		170 C12H26	000112-40-3 83
3	Tridecane		184 C13H28	000629-50-5 83
4	Undecane		156 C11H24	001120-21-4 83
5	Hexadecane		226 C16H34	000544-76-3 78



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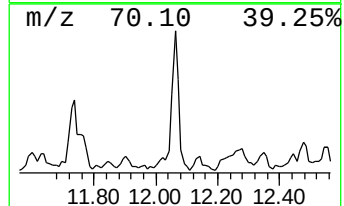
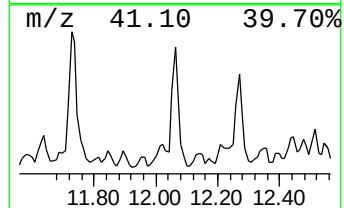
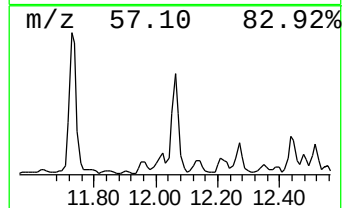
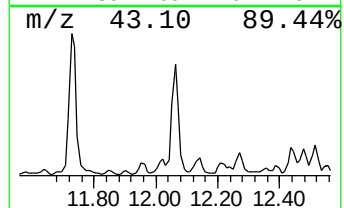
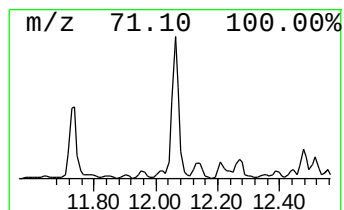
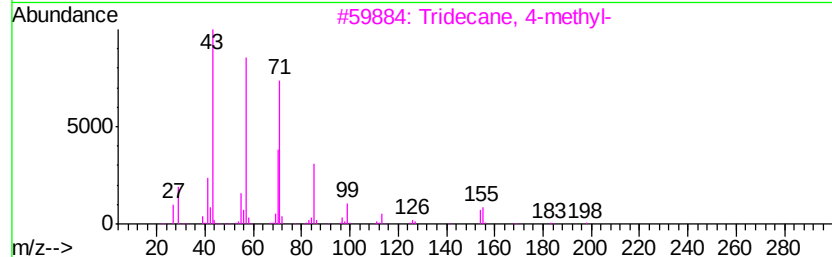
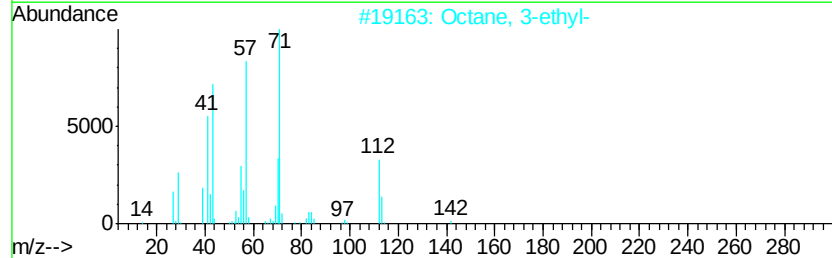
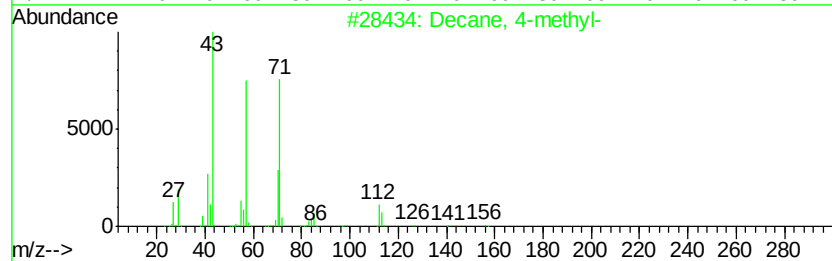
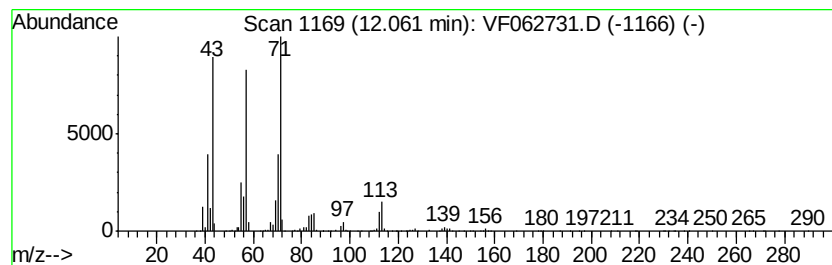
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 3 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	32.82 ug/l	1358340	1,4-Dichlorobenzene-d4	12.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	87
2	Octane, 3-ethyl-	142 C10H22	005881-17-4	72
3	Tridecane, 4-methyl-	198 C14H30	026730-12-1	64
4	Undecane, 4,8-dimethyl-	184 C13H28	017301-33-6	64
5	Heptane, 2,5,5-trimethyl-	142 C10H22	001189-99-7	59



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ALS Vial : 15 Sample Multiplier: 1

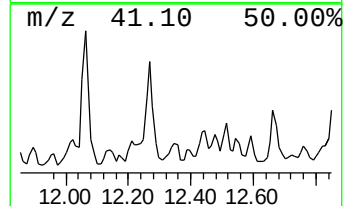
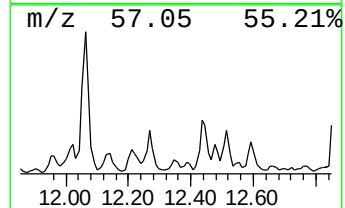
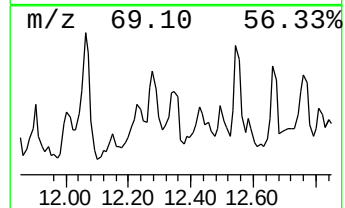
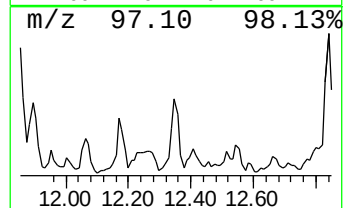
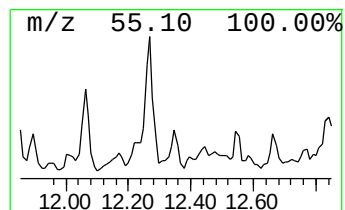
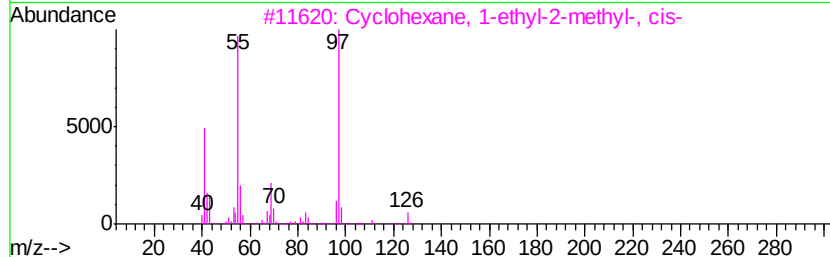
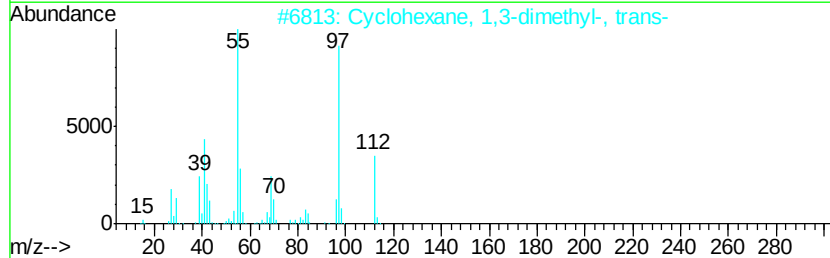
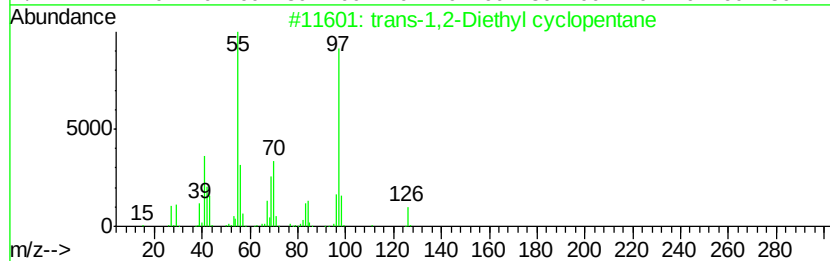
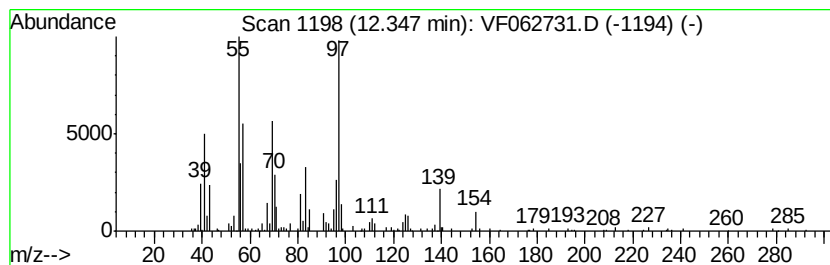
Instrument :
MSVOA_F
ClientSampleId :
22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 4 trans-1,2-Diethyl cyclopentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	9.67 ug/l	400194	1,4-Dichlorobenzene-d4	12.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-1,2-Diethyl cyclopentane	126 C9H18	000932-40-1	58
2	Cyclohexane, 1,3-dimethyl-, trans-	112 C8H16	002207-03-6	47
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126 C9H18	004923-77-7	47
4	Diborane(6), tetrapropyl-	196 C12H30B2	022784-01-6	43
5	Cyclohexanone, 3-butyl-	154 C10H18O	039178-69-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05µ/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
22-C6-20190413

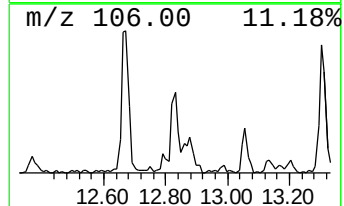
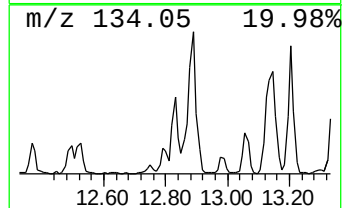
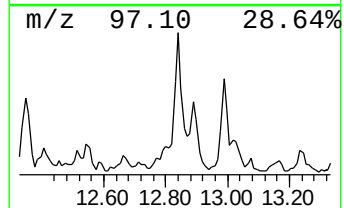
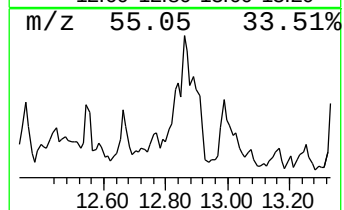
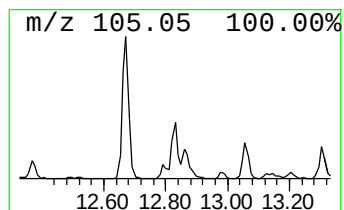
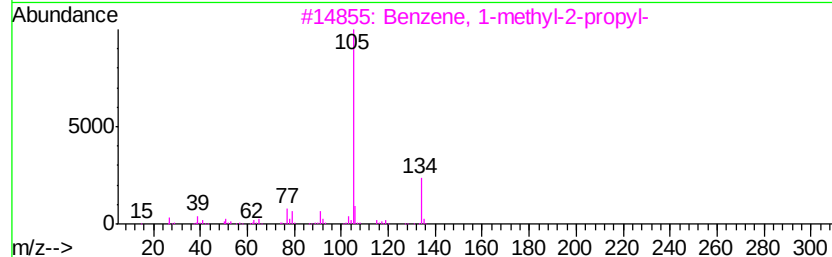
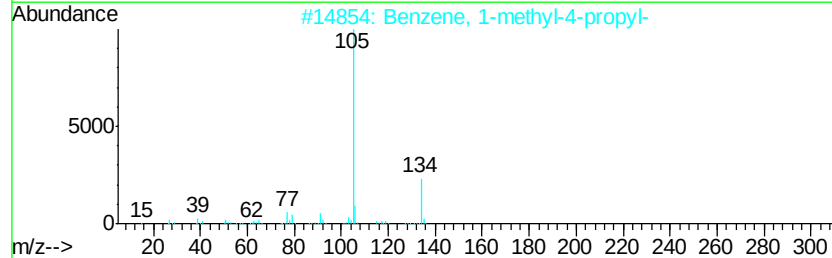
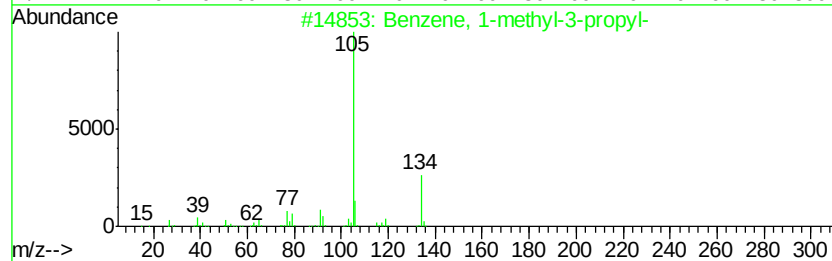
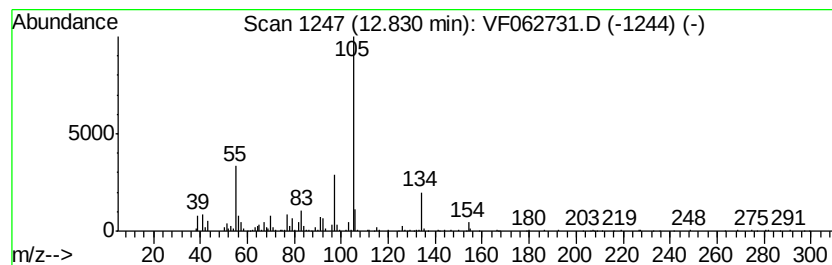
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Quant Title : SW846 8260

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

Peak Number 6 unknown12.83 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	10.21 ug/l	422686	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	49
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	46
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	46
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
5		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
 Data File : VF062731.D
 Acq On : 23 May 2019 17:15
 Operator : FY/SY
 Sample : K3002-08
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 22-C6-20190413

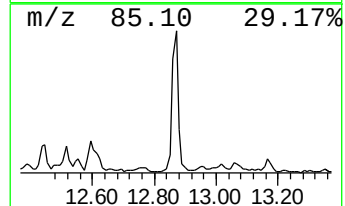
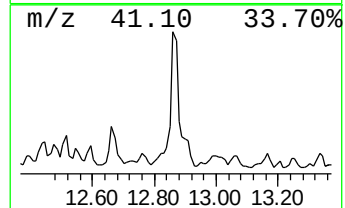
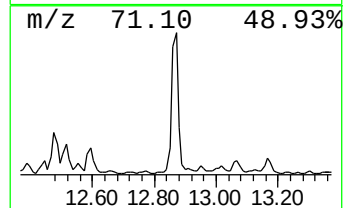
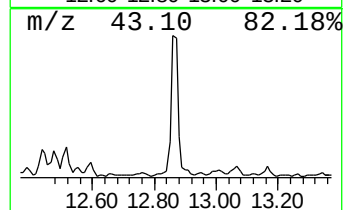
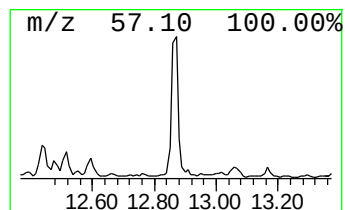
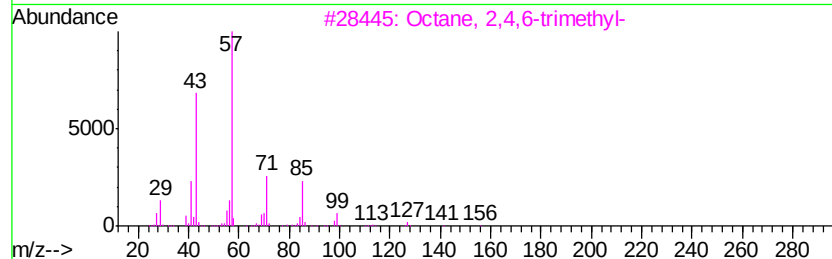
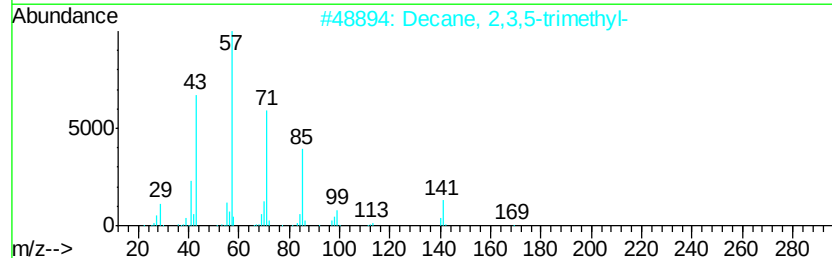
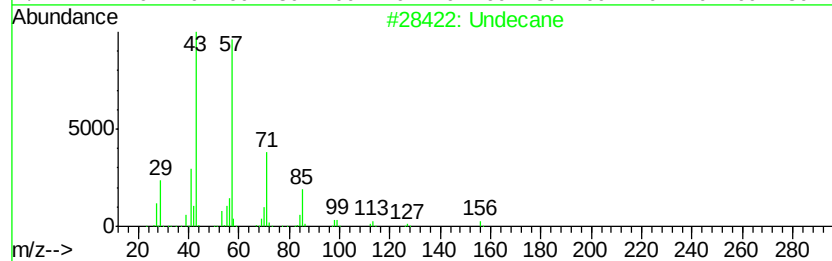
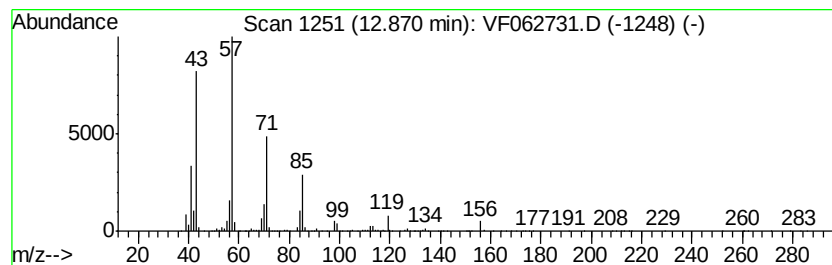
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 Quant Title : SW846 8260

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

 Peak Number 7 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	50.97 ug/l	2109720	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	91
2		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
4		Tetradecane	198	C14H30	000629-59-4	53
5		Hexadecane	226	C16H34	000544-76-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05g/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
22-C6-20190413

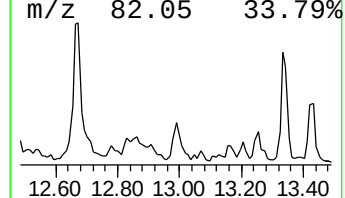
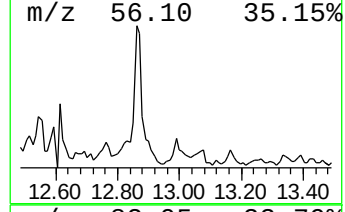
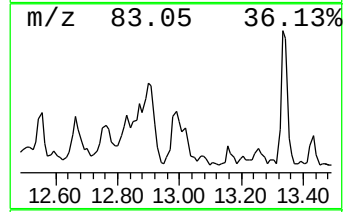
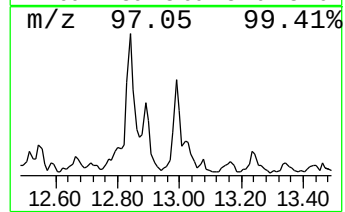
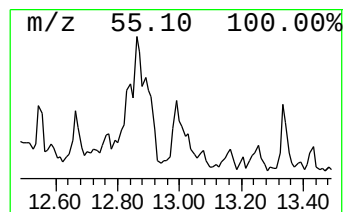
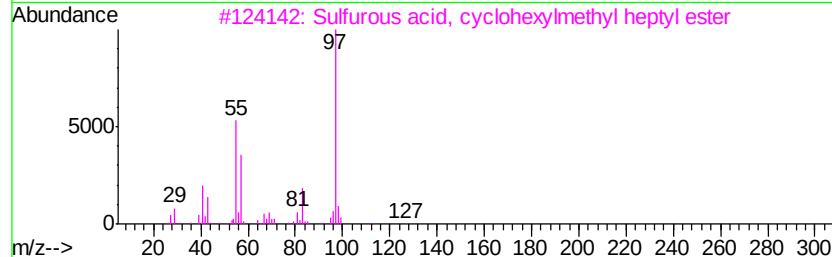
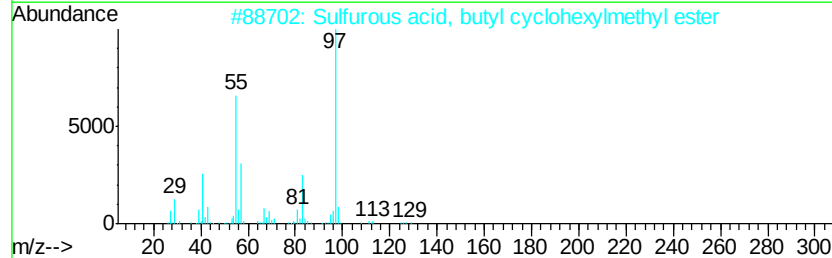
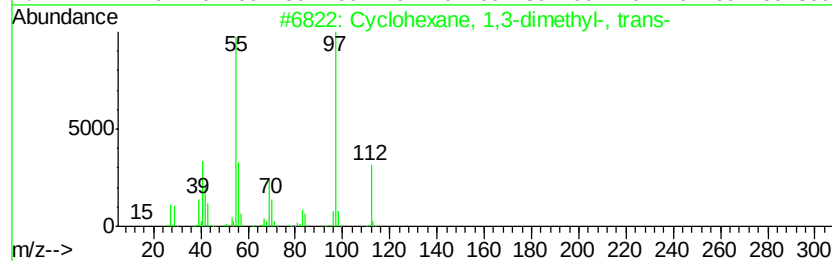
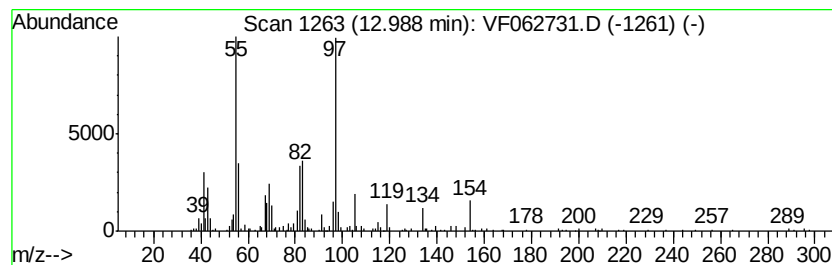
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	8.95 ug/l	370607	1,4-Dichlorobenzene-d4	12.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
2		Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	53
3		Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	50
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05µ/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

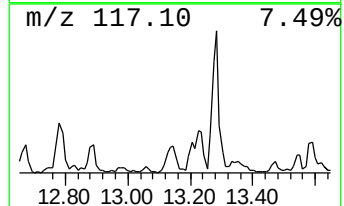
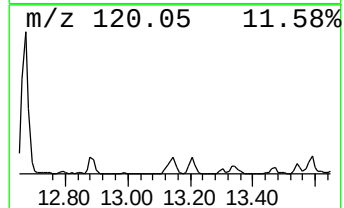
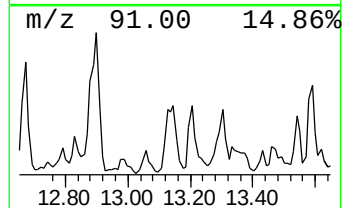
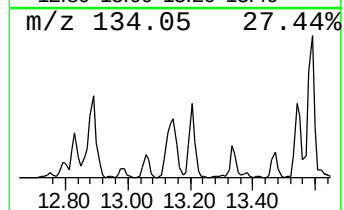
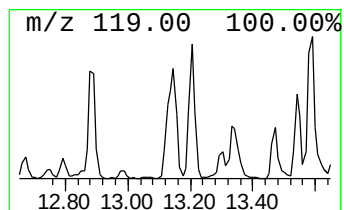
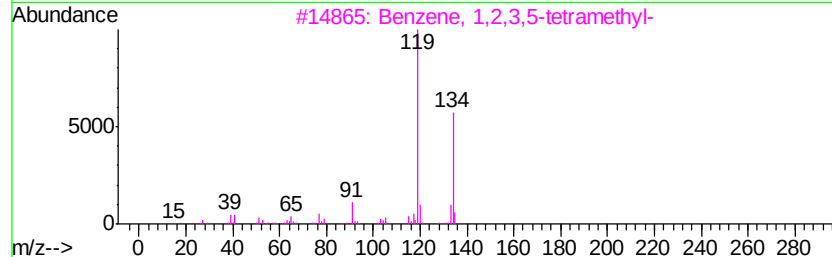
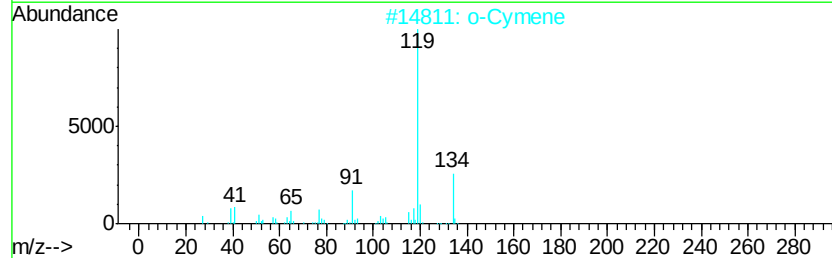
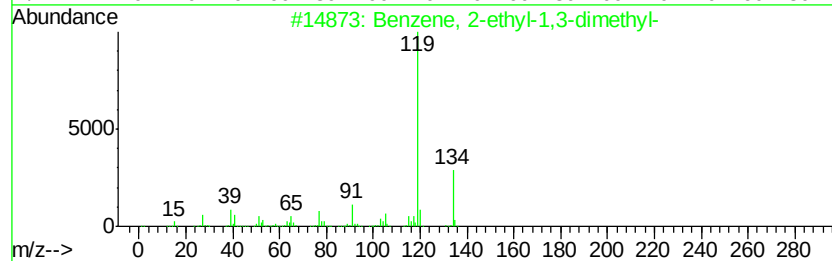
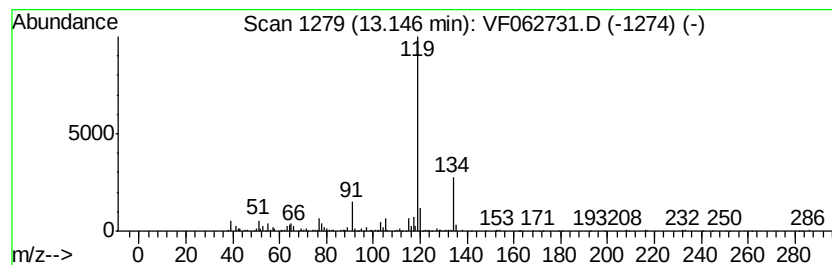
Instrument :
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ClientSampleId :
22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	12.20 ug/l	505027	1,4-Dichlorobenzene-d4	12.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	94
2	o-Cymene	134 C10H14	000527-84-4	90
3	Benzene, 1,2,3,5-tetramethyl-	134 C10H14	000527-53-7	90
4	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05a/5mL/MSVOA F/SOIL
ALS Vial : 15 Sample Multiplier: 1

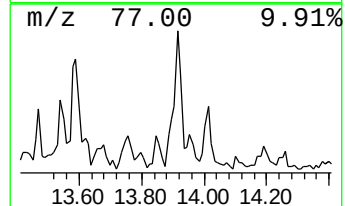
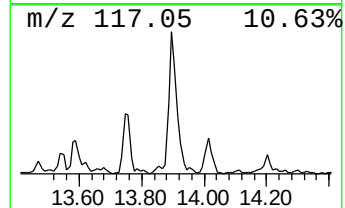
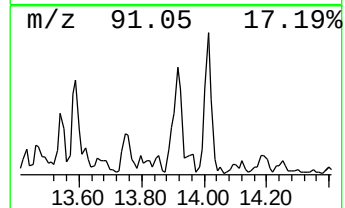
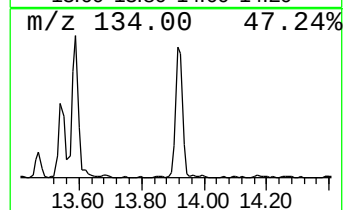
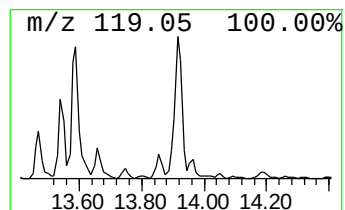
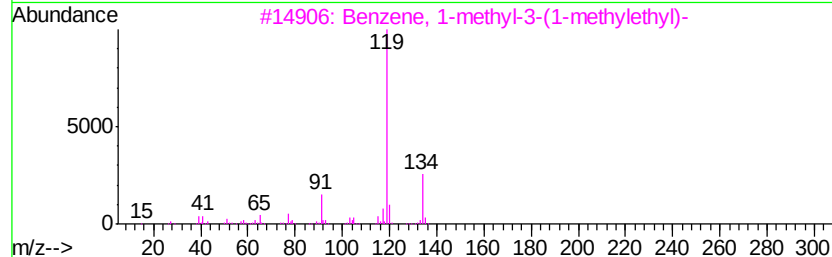
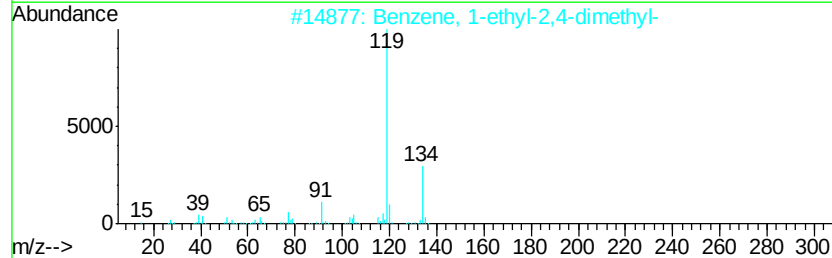
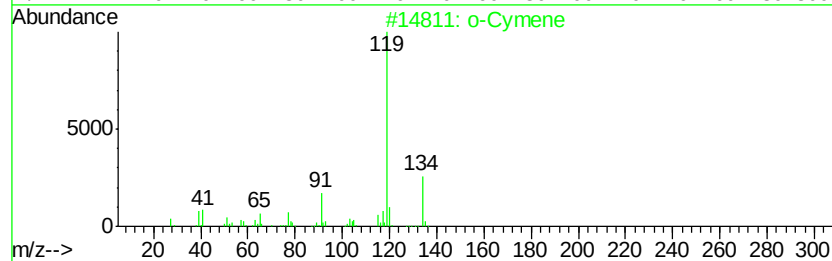
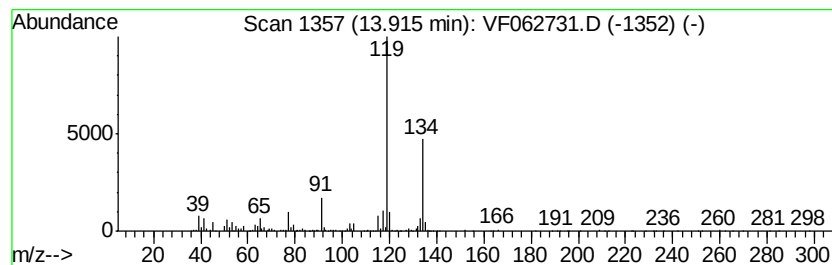
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ClientSampleId :
22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	14.94 ug/l	618498	1,4-Dichlorobenzene-d4	12.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 94
2		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 91
3		Benzene, 1-methyl-3-(1-methylethyl)-	134 C10H14	000535-77-3 91
4		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91
5		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF052319\
Data File : VF062731.D
Acq On : 23 May 2019 17:15
Operator : FY/SY
Sample : K3002-08
Misc : 5.05g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
22-C6-20190413

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.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
2-Octene, 2,6-dim...	11.36	22.4	ug/l	926796	4	12.61	2069540	50.0
Decane	11.73	23.5	ug/l	972430	4	12.61	2069540	50.0
Decane, 4-methyl-	12.06	32.8	ug/l	1358340	4	12.61	2069540	50.0
trans-1,2-Diethyl...	12.35	9.7	ug/l	400194	4	12.61	2069540	50.0
unknown12.83	12.83	10.2	ug/l	422686	4	12.61	2069540	50.0
Undecane	12.87	51.0	ug/l	2109720	4	12.61	2069540	50.0
Cyclohexane, 1,3-...	12.99	8.9	ug/l	370607	4	12.61	2069540	50.0
Benzene, 2-ethyl-...	13.15	12.2	ug/l	505027	4	12.61	2069540	50.0
o-Cymene	13.91	14.9	ug/l	618498	4	12.61	2069540	50.0