

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059572.D
 Acq On : 19 Jul 2018 23:13
 Operator : VA/AP
 Sample : J4051-03
 Misc : 4.37g/5mL/MSVOA F/SOIL
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-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\82F071718S.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	1.101	56	58	63	rVB	11312	22105	1.49%	0.164%
2	2.274	173	177	181	rBV6	8049	18629	1.26%	0.138%
3	2.491	192	199	201	rBV7	5342	16599	1.12%	0.123%
4	4.028	350	355	362	rBV3	4996	19757	1.34%	0.147%
5	4.166	364	369	375	rBV3	16395	60958	4.12%	0.452%
6	4.285	375	381	390	rVB	156089	472034	31.90%	3.502%
7	5.034	449	457	476	rBV2	339947	1184767	80.06%	8.789%
8	5.763	524	531	542	rBV	333652	913433	61.72%	6.776%
9	6.434	594	599	608	rVB2	16851	49352	3.33%	0.366%
10	6.601	610	616	627	rBV4	25636	96616	6.53%	0.717%
11	7.173	670	674	677	rBV2	7566	19912	1.35%	0.148%
12	7.242	677	681	683	rVV4	6832	21134	1.43%	0.157%
13	7.291	683	686	693	rVB2	13102	35401	2.39%	0.263%
14	7.636	717	721	723	rBV2	13830	31002	2.09%	0.230%
15	7.705	723	728	731	rVV	360074	800779	54.11%	5.940%
16	7.774	731	735	746	rVB	623303	1479918	100.00%	10.978%
17	8.149	768	773	780	rBV5	8068	25995	1.76%	0.193%
18	8.425	796	801	805	rBV3	11310	28337	1.91%	0.210%
19	8.602	813	819	826	rVB5	30151	96736	6.54%	0.718%
20	8.770	832	836	840	rBV2	24120	66122	4.47%	0.491%
21	8.829	840	842	844	rVB	17159	14997	1.01%	0.111%
22	8.977	853	857	864	rVB4	9607	30216	2.04%	0.224%
23	9.105	864	870	874	rBV3	29150	83377	5.63%	0.619%
24	9.194	875	879	880	rVV4	13226	29063	1.96%	0.216%
25	9.253	880	885	892	rVB	38169	99675	6.74%	0.739%
26	9.420	897	902	907	rBV	37374	86669	5.86%	0.643%
27	9.647	919	925	932	rBV4	26453	96356	6.51%	0.715%
28	9.824	937	943	947	rVV5	21533	80506	5.44%	0.597%
29	9.913	947	952	959	rVV	419412	972670	65.72%	7.215%
30	10.022	959	963	968	rVV2	108256	251283	16.98%	1.864%
31	10.120	972	973	977	rVB	24062	21858	1.48%	0.162%
32	10.268	984	988	993	rVB	70956	141852	9.59%	1.052%
33	10.367	993	998	1006	rVB4	28001	80633	5.45%	0.598%
34	10.475	1006	1009	1013	rBV4	16414	38957	2.63%	0.289%

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35	10.643	1019	1026	1032	rBV4	31118	97310	6.58%	0.722%
36	10.781	1035	1040	1042	rBV2	72306	159242	10.76%	1.181%
37	10.830	1042	1045	1049	rVB2	52095	106511	7.20%	0.790%
38	10.938	1053	1056	1059	rVB2	17977	31223	2.11%	0.232%
39	11.067	1064	1069	1072	rVB6	7293	17945	1.21%	0.133%
40	11.145	1072	1077	1080	rBV4	19801	59822	4.04%	0.444%
41	11.214	1080	1084	1086	rVV3	26489	62714	4.24%	0.465%
42	11.254	1086	1088	1091	rVV2	26024	35243	2.38%	0.261%
43	11.313	1091	1094	1097	rVV	86258	155107	10.48%	1.151%
44	11.362	1097	1099	1104	rVB3	49681	87518	5.91%	0.649%
45	11.510	1109	1114	1119	rBV	319003	597488	40.37%	4.432%
46	11.638	1124	1127	1130	rBV3	31954	61625	4.16%	0.457%
47	11.697	1130	1133	1135	rVV3	23342	39211	2.65%	0.291%
48	11.737	1135	1137	1140	rVV	68812	100773	6.81%	0.748%
49	11.806	1140	1144	1148	rVB	81988	177512	11.99%	1.317%
50	11.914	1152	1155	1159	rBV2	47211	84660	5.72%	0.628%
51	12.013	1162	1165	1168	rBV3	21225	45685	3.09%	0.339%
52	12.082	1168	1172	1173	rBV	51141	85283	5.76%	0.633%
53	12.141	1176	1178	1181	rVB	47839	75606	5.11%	0.561%
54	12.289	1190	1193	1195	rVV	130479	206712	13.97%	1.533%
55	12.338	1195	1198	1199	rVV	104192	153578	10.38%	1.139%
56	12.368	1199	1201	1205	rVB2	108355	170373	11.51%	1.264%
57	12.437	1205	1208	1212	rBV2	44809	92767	6.27%	0.688%
58	12.594	1220	1224	1225	rBV2	69792	133973	9.05%	0.994%
59	12.624	1225	1227	1231	rVV2	242665	406313	27.46%	3.014%
60	12.713	1231	1236	1240	rVV2	168110	331533	22.40%	2.459%
61	12.782	1240	1243	1247	rVV3	44629	77535	5.24%	0.575%
62	12.841	1247	1249	1251	rVV2	19166	35179	2.38%	0.261%
63	12.880	1251	1253	1254	rVV2	23798	32257	2.18%	0.239%
64	12.939	1256	1259	1262	rVV	136149	206586	13.96%	1.532%
65	13.008	1264	1266	1270	rVB	35843	60609	4.10%	0.450%
66	13.156	1278	1281	1283	rBV3	28423	56658	3.83%	0.420%
67	13.206	1283	1286	1289	rVV2	58848	116585	7.88%	0.865%
68	13.284	1290	1294	1300	rVB7	40551	142747	9.65%	1.059%
69	13.452	1307	1311	1312	rBV4	36719	80821	5.46%	0.600%
70	13.610	1324	1327	1328	rBV2	17393	28251	1.91%	0.210%
71	13.718	1335	1338	1341	rBV	51087	78373	5.30%	0.581%

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72	13.767	1341	1343	1350	rVB3	59501	144126	9.74%	1.069%
73	13.925	1355	1359	1362	rBV6	22516	54144	3.66%	0.402%
74	14.034	1367	1370	1372	rBV4	18230	32954	2.23%	0.244%
75	14.369	1401	1404	1408	rBV5	20139	43033	2.91%	0.319%
76	14.517	1416	1419	1422	rBV	89164	133521	9.02%	0.990%
77	14.595	1425	1427	1430	rVB	49519	67968	4.59%	0.504%
78	14.664	1430	1434	1436	rBV5	20040	53145	3.59%	0.394%
79	14.743	1440	1442	1444	rBV3	13990	20885	1.41%	0.155%
80	14.891	1455	1457	1463	rBV4	19017	54489	3.68%	0.404%
81	15.009	1467	1469	1471	rVB3	17875	19673	1.33%	0.146%
82	15.138	1480	1482	1484	rBV	36911	54780	3.70%	0.406%
83	15.167	1484	1485	1488	rVB2	48507	55087	3.72%	0.409%
84	15.345	1499	1503	1506	rVB	292281	419524	28.35%	3.112%
85	15.473	1511	1516	1522	rVB2	130381	257768	17.42%	1.912%
86	15.887	1554	1558	1561	rVB3	52591	90210	6.10%	0.669%

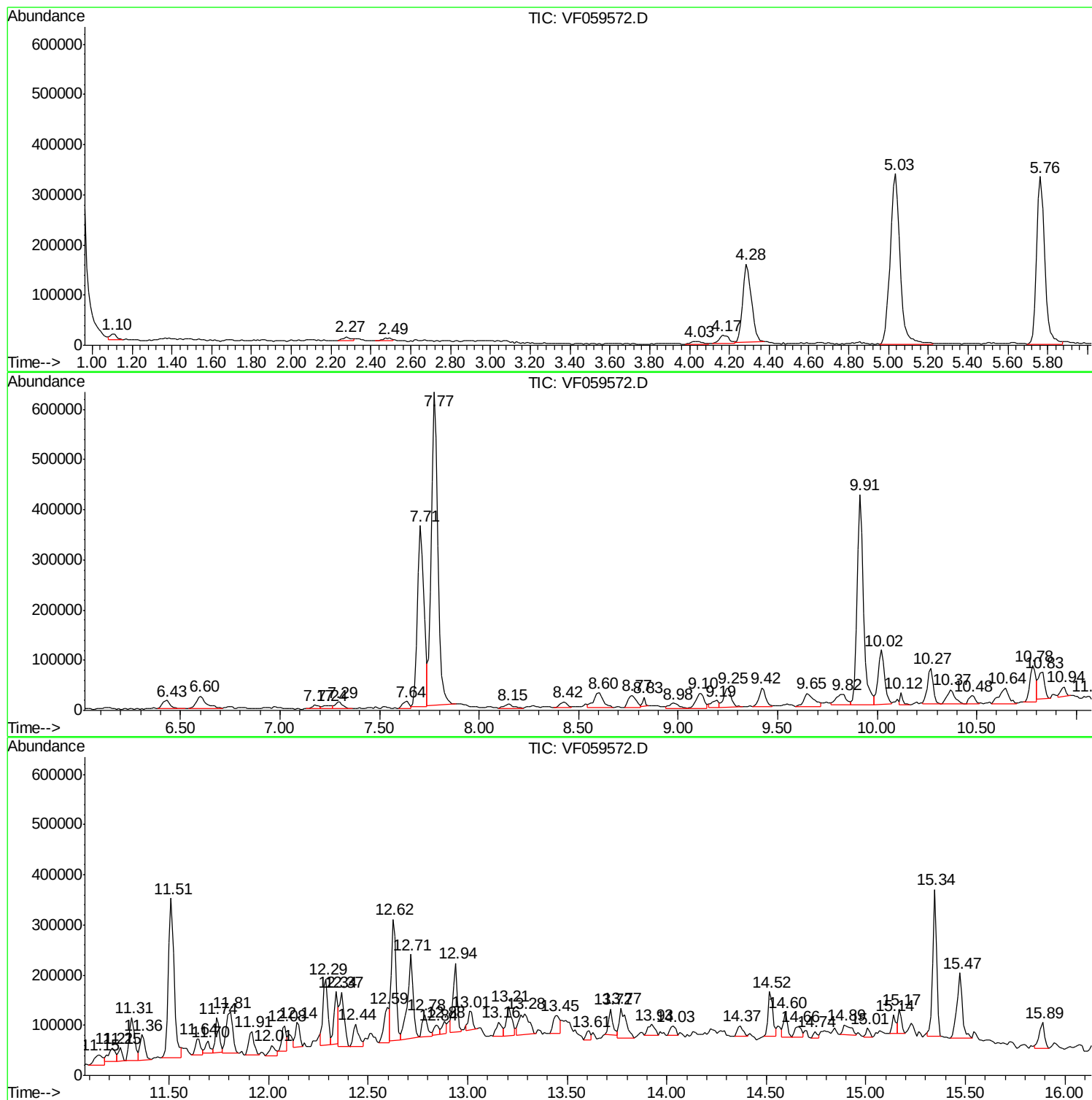
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260

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



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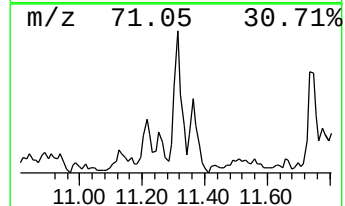
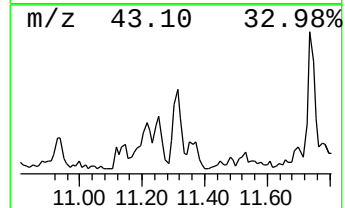
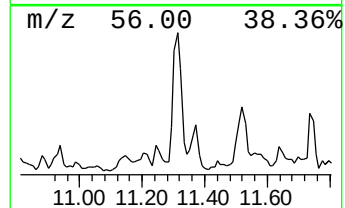
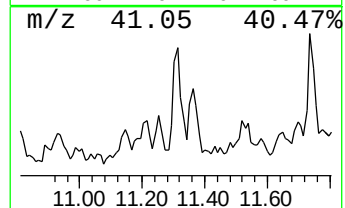
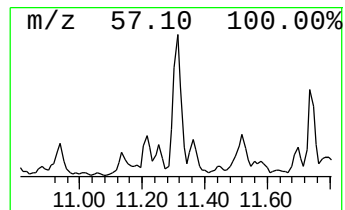
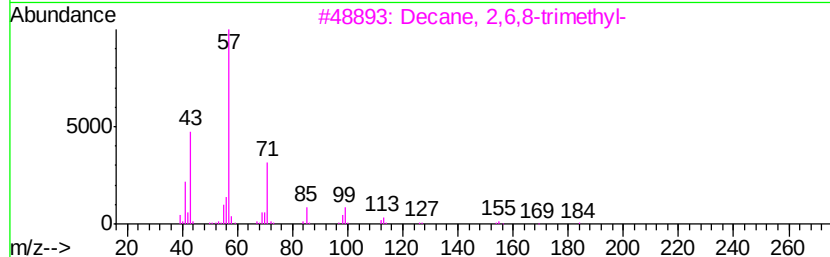
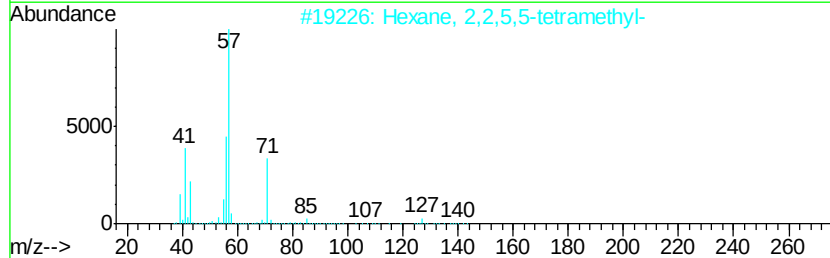
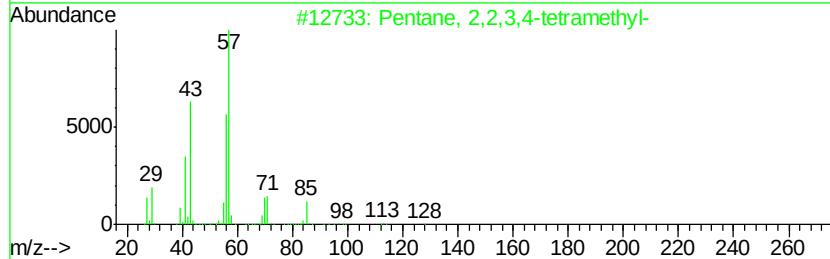
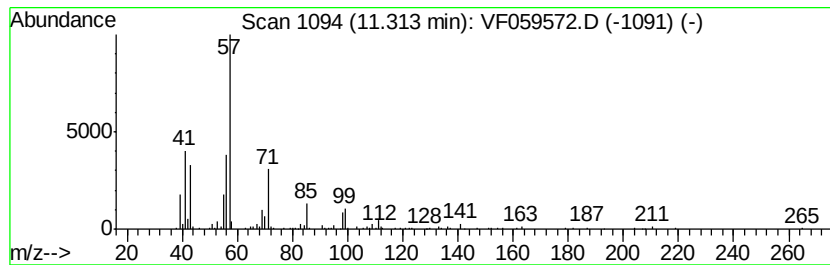
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane, 2,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	19.09 ug/l	155107	1,4-Dichlorobenzene-d4	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentane, 2,2,3,4-tetramethyl-	128 C9H20	001186-53-4	50
2	Hexane, 2,2,5,5-tetramethyl-	142 C10H22	001071-81-4	50
3	Decane, 2,6,8-trimethyl-	184 C13H28	062108-26-3	50
4	Octane, 2,5,6-trimethyl-	156 C11H24	062016-14-2	47
5	Pentadecane, 6-methyl-	226 C16H34	010105-38-1	47



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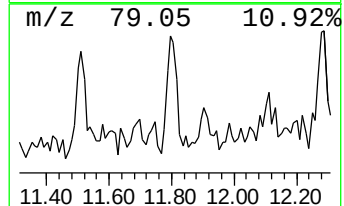
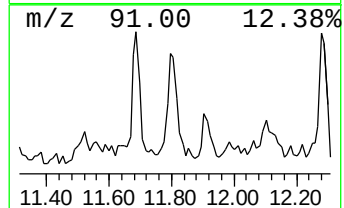
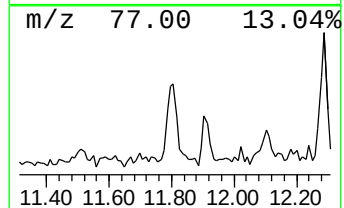
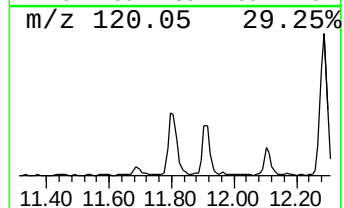
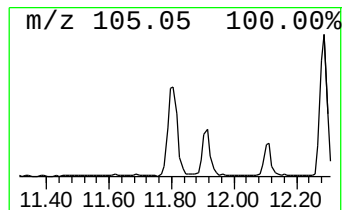
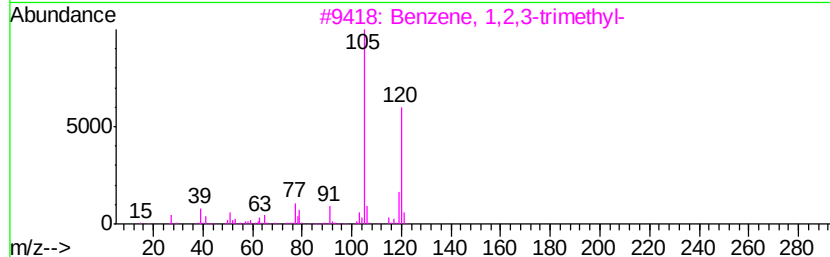
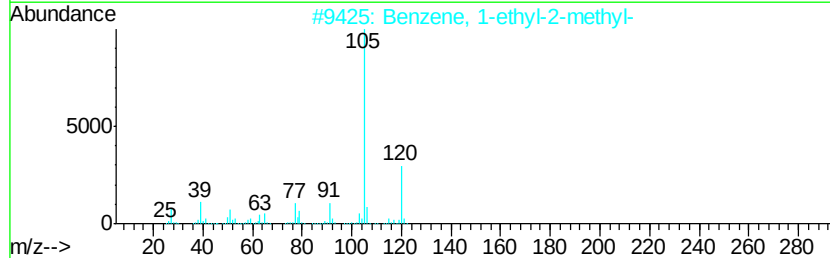
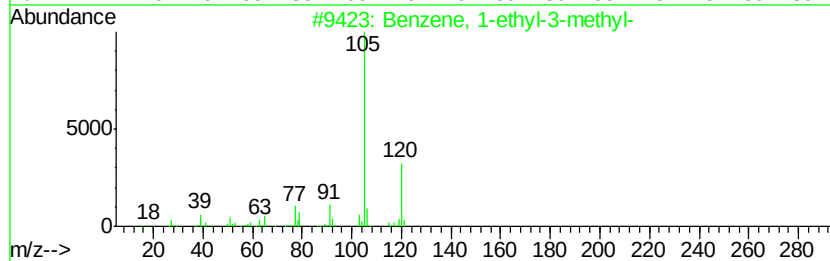
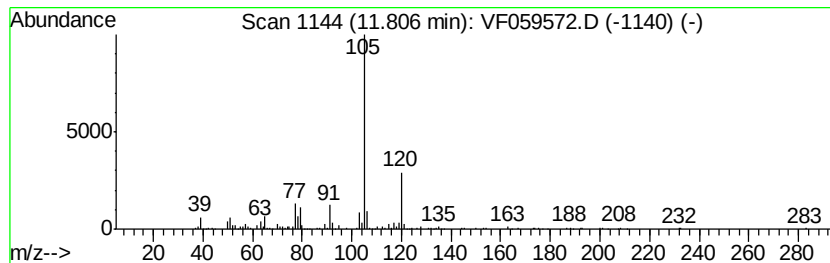
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	21.84 ug/l	177512	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Mesitylene	120	C9H12	000108-67-8	91



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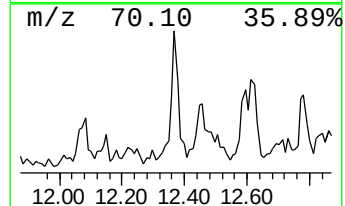
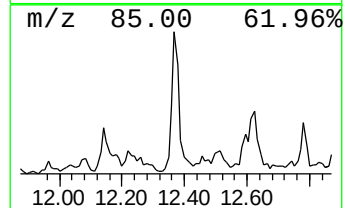
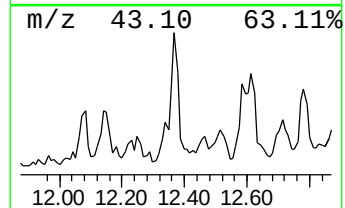
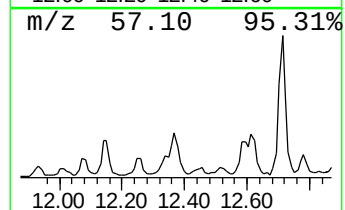
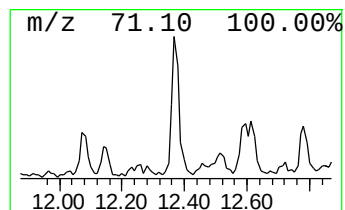
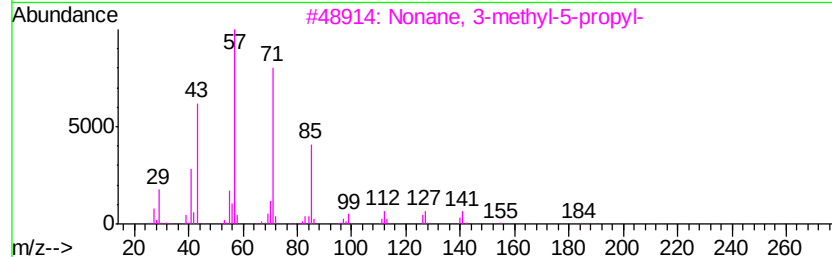
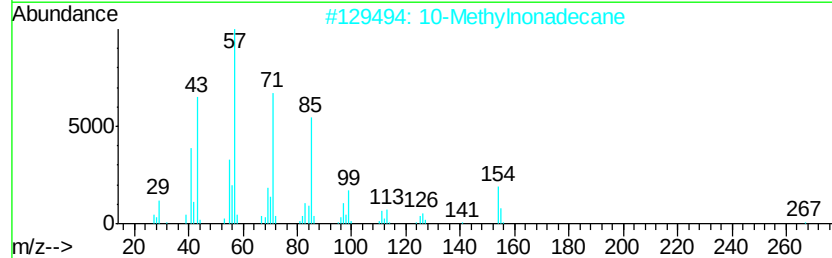
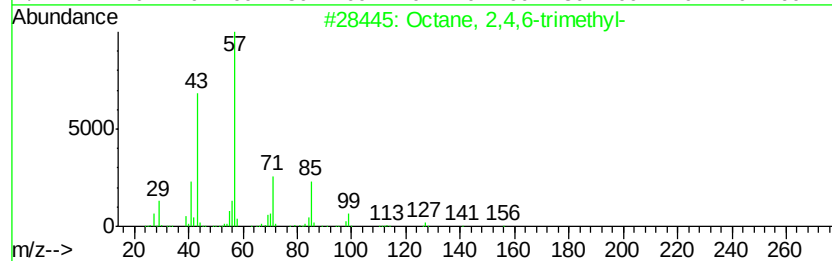
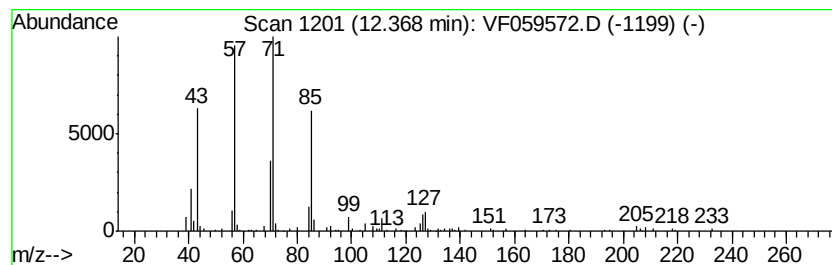
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Quant Title : SW846 8260

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

Peak Number 3 Octane, 2,4,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	20.97 ug/l	170373	1,4-Dichlorobenzene-d4	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 2,4,6-trimethyl-	156 C11H24	062016-37-9	72
2	10-Methylnonadecane	282 C20H42	056862-62-5	72
3	Nonane, 3-methyl-5-propyl-	184 C13H28	031081-18-2	72
4	Decane, 3,7-dimethyl-	170 C12H26	017312-54-8	64
5	Octane, 2,3,6,7-tetramethyl-	170 C12H26	052670-34-5	64



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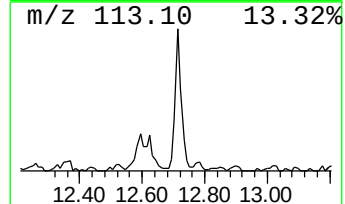
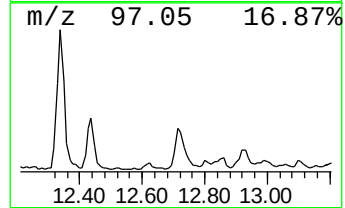
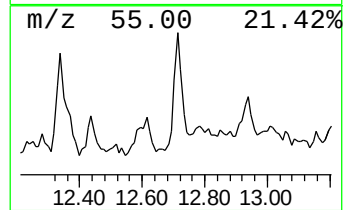
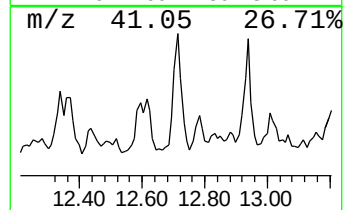
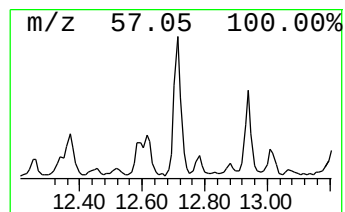
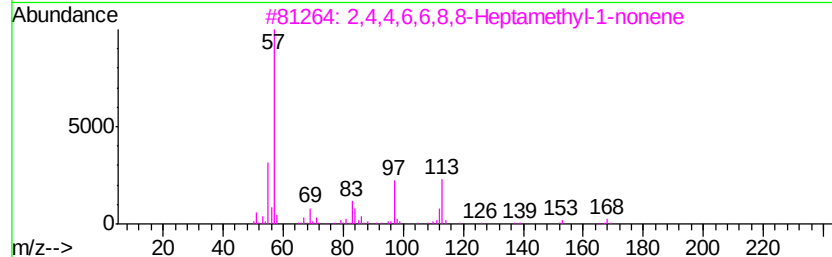
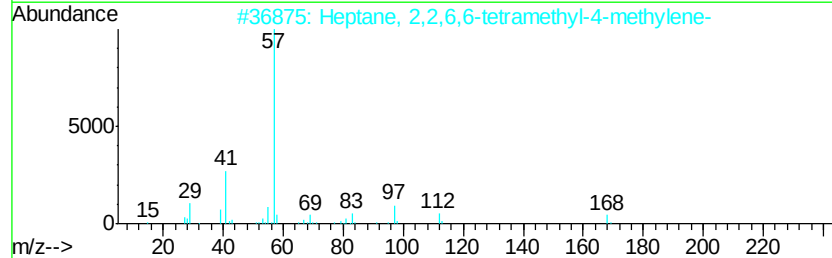
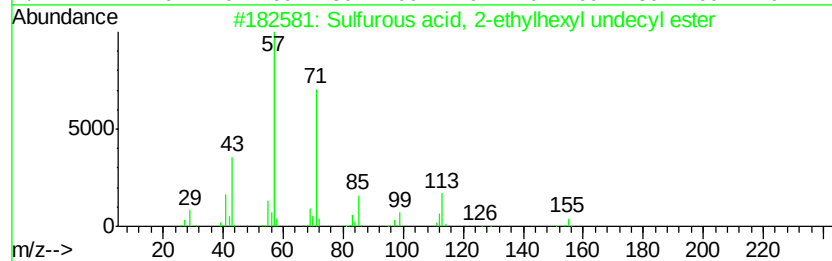
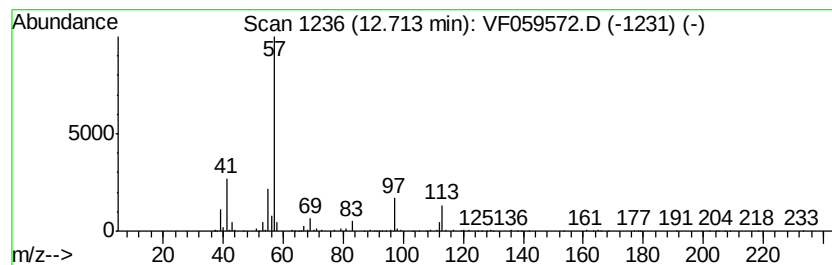
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Quant Title : SW846 8260

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

Peak Number 4 Sulfurous acid, 2-ethylhexy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	40.80 ug/l	331533	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
2		Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	50
3		2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	50
4		2,4,4-Trimethyl-1-pentanol, pent...	276	C11H17F5O2	1000365-51-0	47
5		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37g/5mL/MSVOA F/SOIL
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NS-SOIL

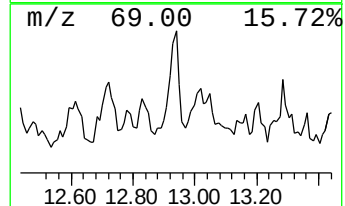
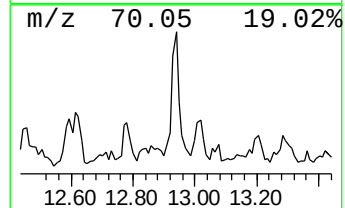
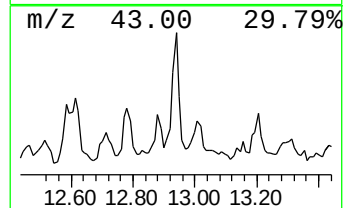
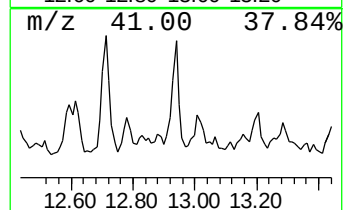
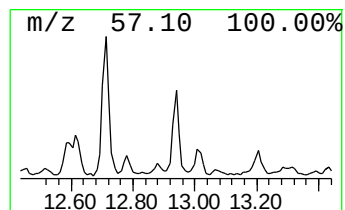
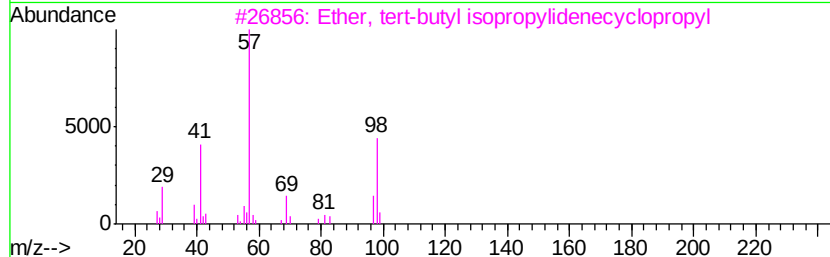
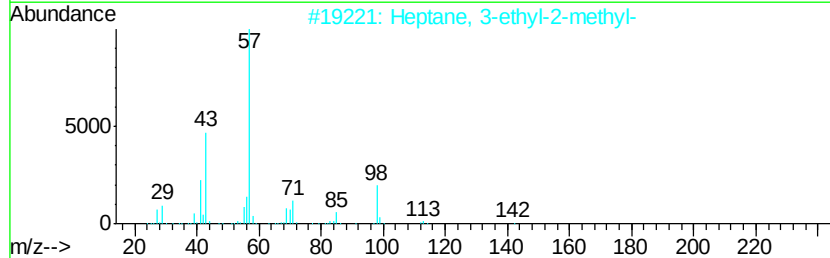
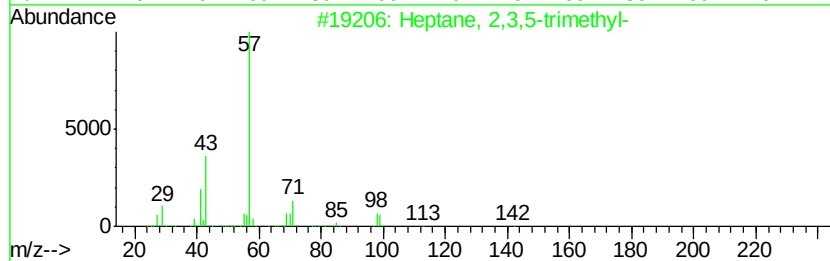
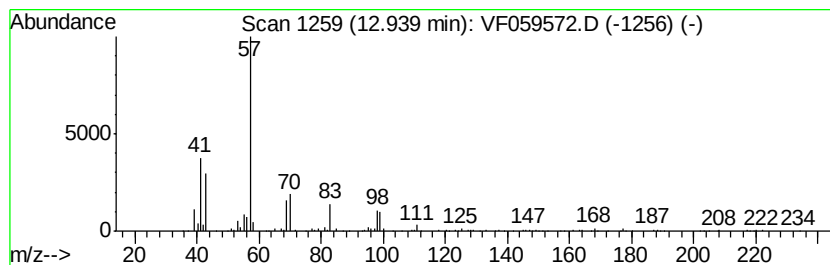
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.94 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	25.42 ug/l	206586	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	47
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38
3		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	38
4		4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	38
5		Diethylmalonic acid, monochlorid...	318	C17H31ClO3	1000369-41-8	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37g/5mL/MSVOA F/SOIL
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
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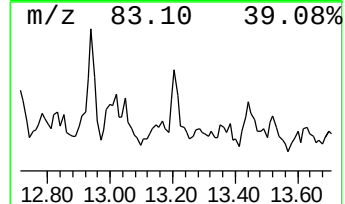
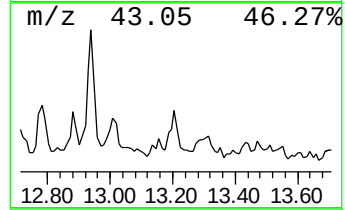
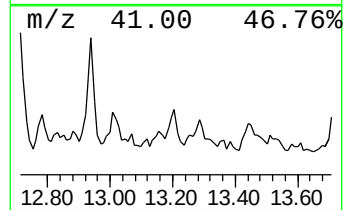
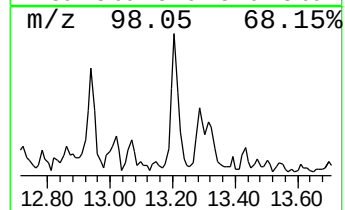
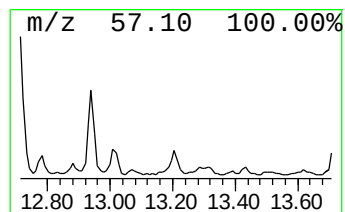
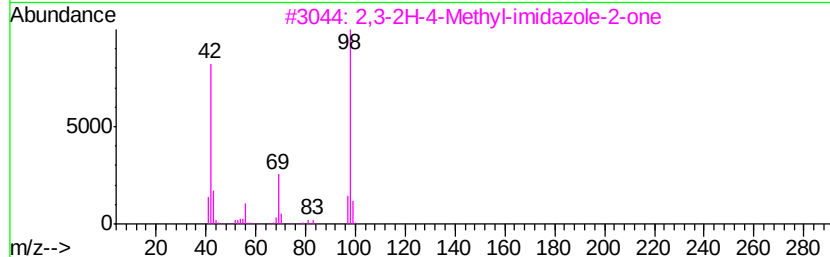
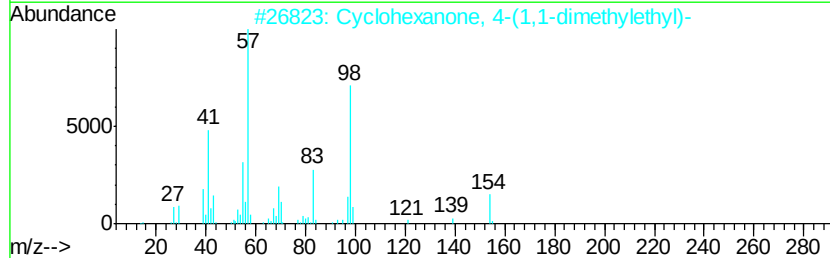
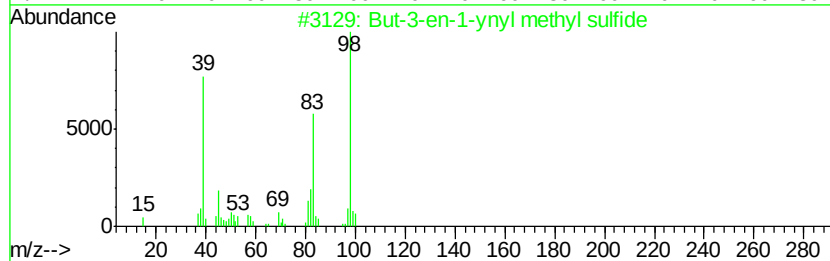
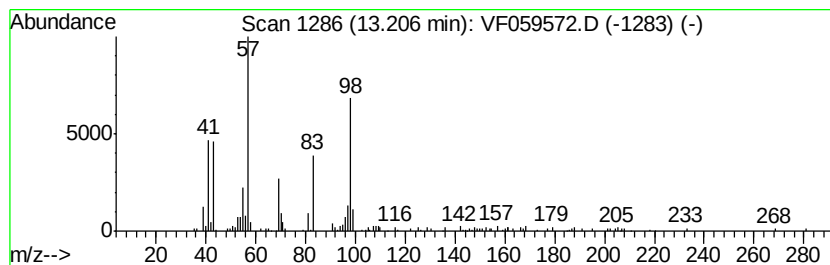
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Quant Title : SW846 8260

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

Peak Number 6 But-3-en-1-ynyl methyl sulfide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	14.35 ug/l	116585	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	But-3-en-1-ynyl methyl sulfide	98	C5H6S	1000298-90-8	59
2		Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	59
3		2,3-2H-4-Methyl-imidazole-2-one	98	C4H6N2O	039799-77-4	38
4		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	37
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37a/5mL/MSVOA F/SOIL
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NS-SOIL

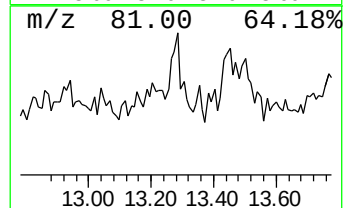
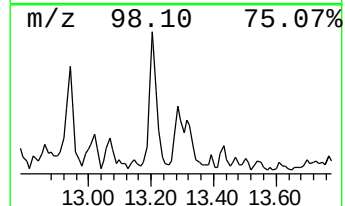
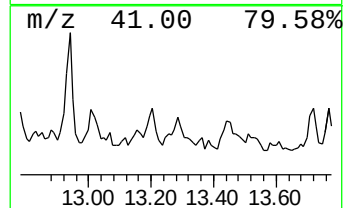
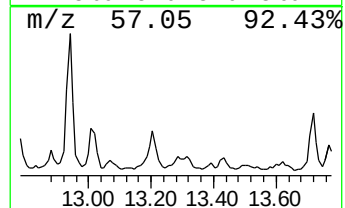
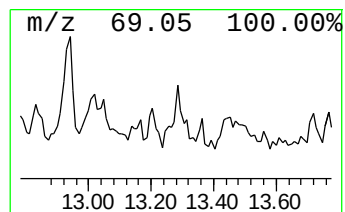
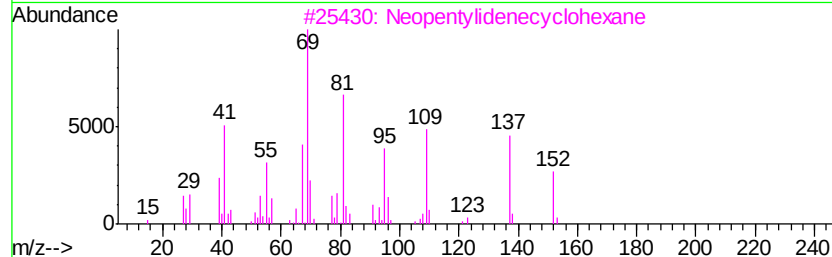
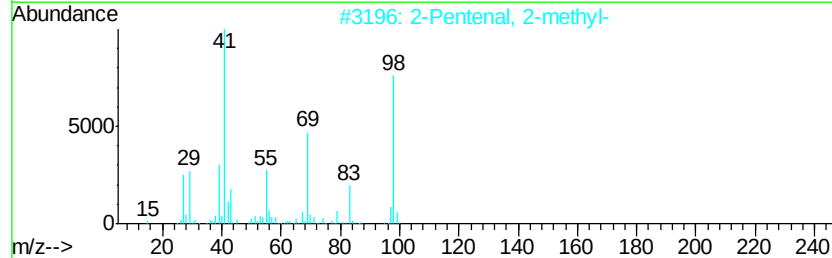
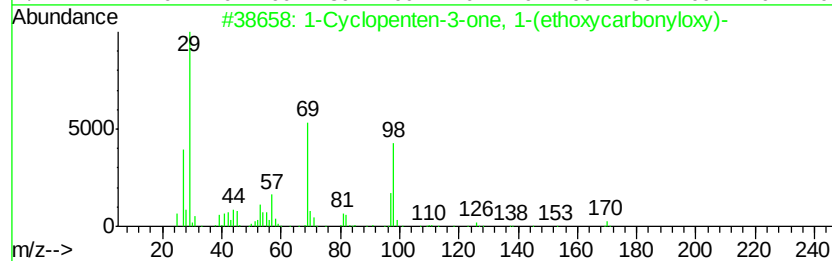
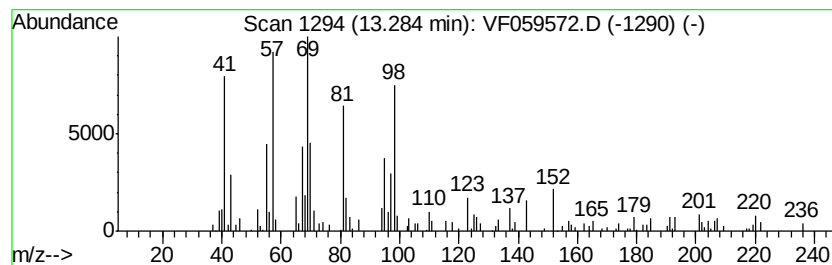
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Quant Title : SW846 8260

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

Peak Number 7 unknown13.20 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	17.57 ug/l	142747	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Cyclopenten-3-one, 1-(ethoxycarbo...	170	C8H10O4	1000164-70-4	47
2		2-Pentenal, 2-methyl-	98	C6H10O	000623-36-9	43
3		Neopentylidenecyclohexane	152	C11H20	039546-80-0	38
4		Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	37
5		Cyclobutanone, 2-(1,1-dimethylet...	126	C8H14O	004579-31-1	32



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37g/5mL/MSVOA F/SOIL
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
NS-SOIL

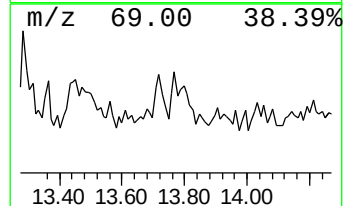
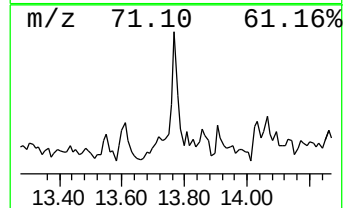
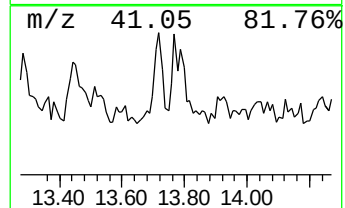
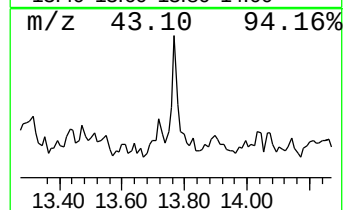
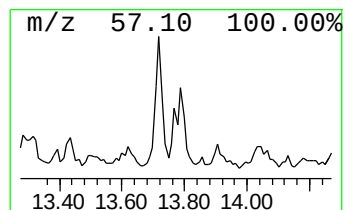
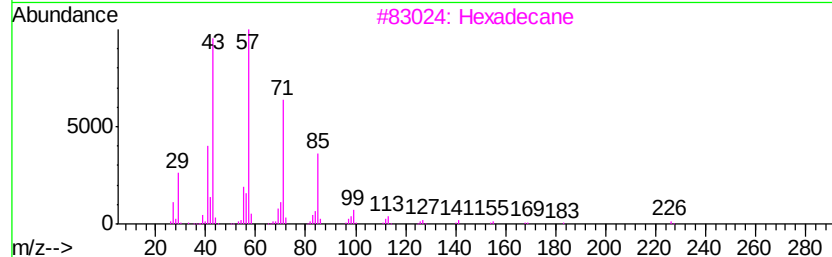
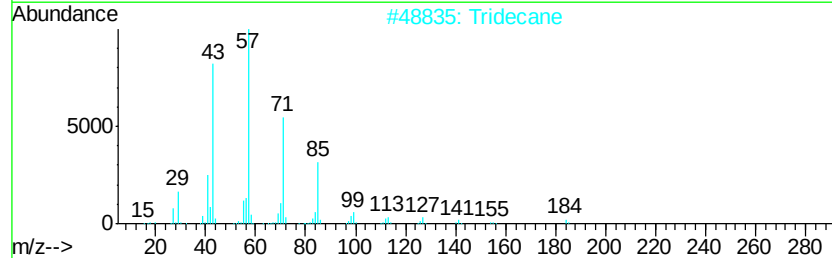
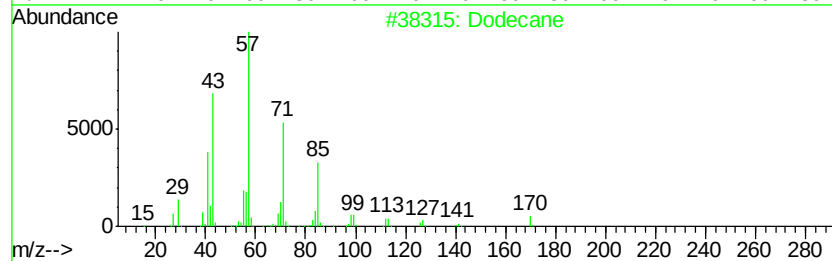
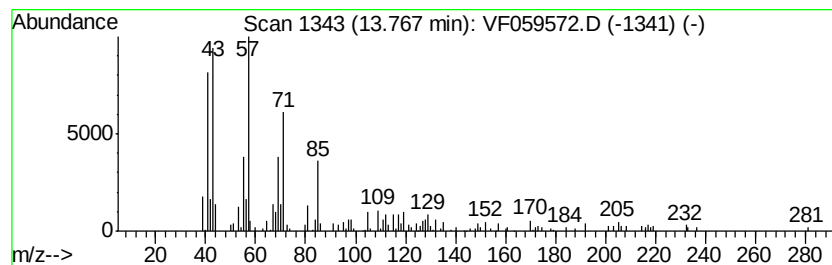
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Quant Title : SW846 8260

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

Peak Number 8 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	17.74 ug/l	144126	1,4-Dichlorobenzene-d4	12.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	70
2		Tridecane	184	C13H28	000629-50-5	64
3		Hexadecane	226	C16H34	000544-76-3	52
4		Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	52
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37g/5mL/MSVOA F/SOIL
ALS Vial : 64 Sample Multiplier: 1

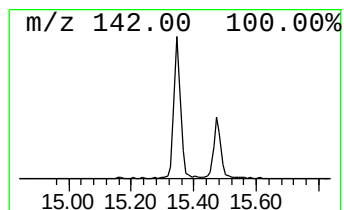
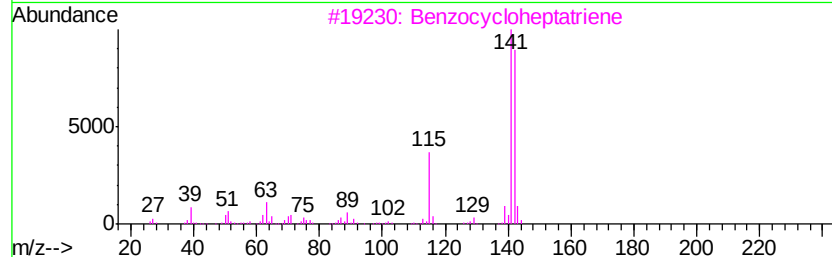
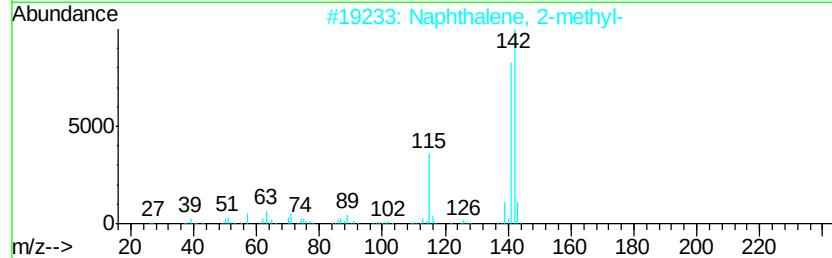
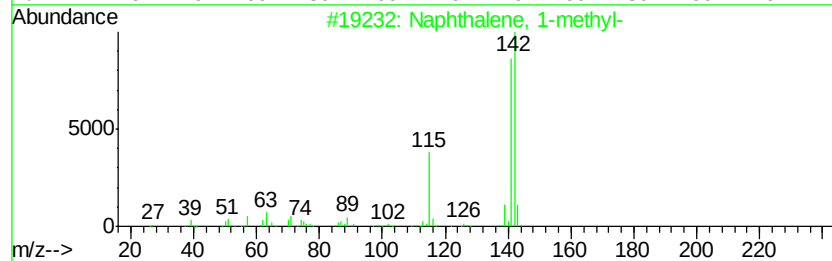
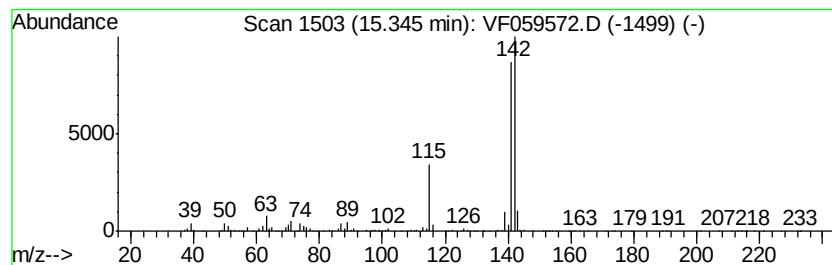
Instrument :
MSVOA_F
ClientSampleId :
NS-SOIL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	51.63 ug/l	419524	1,4-Dichlorobenzene-d4	12.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Naphthalene, 1-methyl-	142 C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142 C11H10	000091-57-6	93
3	Benzocycloheptatriene	142 C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142 C11H10	002471-83-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_F\DATA\VF071918\
Data File : VF059572.D
Acq On : 19 Jul 2018 23:13
Operator : VA/AP
Sample : J4051-03
Misc : 4.37g/5mL/MSV0A_F/SOIL
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSV0A_F
ClientSampleId :
NS-SOIL

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F071718S.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
Pentane, 2,2,3,4-...	11.31	19.1	ug/l	155107	4	12.63	406313	50.0
Benzene, 1-ethyl-...	11.81	21.8	ug/l	177512	4	12.63	406313	50.0
Octane, 2,4,6-tri...	12.37	21.0	ug/l	170373	4	12.63	406313	50.0
Sulfurous acid, 2...	12.71	40.8	ug/l	331533	4	12.63	406313	50.0
unknown12.94	12.94	25.4	ug/l	206586	4	12.63	406313	50.0
But-3-en-1-ynyl m...	13.21	14.4	ug/l	116585	4	12.63	406313	50.0
unknown13.20	13.28	17.6	ug/l	142747	4	12.63	406313	50.0
Dodecane	13.77	17.7	ug/l	144126	4	12.63	406313	50.0
Naphthalene, 1-me...	15.34	51.6	ug/l	419524	4	12.63	406313	50.0