

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061959.D
 Acq On : 15 Mar 2019 14:17
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

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\82F030419S.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	1.091	44	47	64	rVB	260139	1052416	1.64%	0.124%
2	1.299	64	68	70	rBV	865676	1598564	2.49%	0.188%
3	1.368	70	75	79	rVV	1754560	7064393	11.01%	0.831%
4	1.476	79	86	109	rVV	3778814	20651333	32.18%	2.429%
5	1.752	109	114	132	rVB2	671729	2707005	4.22%	0.318%
6	2.058	132	145	154	rBV	7620229	43304924	67.49%	5.093%
7	2.186	154	158	159	rVV	2750995	5870628	9.15%	0.690%
8	2.235	159	163	173	rVV	5113914	22449287	34.99%	2.640%
9	2.403	173	180	182	rVV	7496725	23150062	36.08%	2.723%
10	2.442	182	184	193	rVV	5860780	21961848	34.23%	2.583%
11	2.551	193	195	211	rVB2	937056	2668381	4.16%	0.314%
12	2.945	221	235	237	rBV2	3060040	10162396	15.84%	1.195%
13	3.014	238	242	257	rVB	3432147	16179653	25.22%	1.903%
14	3.636	297	305	307	rBV	560917	1956943	3.05%	0.230%
15	3.783	308	320	326	rBV2	6043837	31223441	48.66%	3.672%
16	4.050	342	347	352	rBV3	2700676	9861088	15.37%	1.160%
17	4.415	378	384	388	rBV	2057199	7794154	12.15%	0.917%
18	4.779	409	421	437	rVB	11156602	64165043	100.00%	7.546%
19	4.967	437	440	443	rVV	420449	1105976	1.72%	0.130%
20	5.036	443	447	468	rVB	1281388	4212720	6.57%	0.495%
21	5.351	473	479	484	rBV	518975	1540292	2.40%	0.181%
22	5.519	484	496	498	rBV2	7850861	37697845	58.75%	4.434%
23	5.795	518	524	539	rVB3	3910983	18983972	29.59%	2.233%
24	6.022	540	547	562	rVB2	1375689	9493947	14.80%	1.117%
25	6.249	563	570	576	rBV3	922134	5085197	7.93%	0.598%
26	6.653	594	611	625	rBV2	6099927	45188797	70.43%	5.314%
27	6.870	625	633	647	rVV	5783071	29816814	46.47%	3.507%
28	7.107	647	657	671	rVB	3320171	22841051	35.60%	2.686%
29	7.284	671	675	678	rBV	1067380	2684084	4.18%	0.316%
30	7.353	678	682	686	rBV2	804224	2226151	3.47%	0.262%
31	7.550	694	702	707	rVB	7264628	23683026	36.91%	2.785%
32	7.639	707	711	721	rVB	2054650	7161138	11.16%	0.842%
33	7.797	721	727	738	rVB4	1476469	7264560	11.32%	0.854%
34	7.955	739	743	748	rVB3	574591	1741103	2.71%	0.205%

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35	8.043	748	752	759	rVB4	427630	1240934	1.93%	0.146%
36	8.162	759	764	773	rBV2	818686	3390097	5.28%	0.399%
37	8.319	774	780	785	rBV2	1634520	5127228	7.99%	0.603%
38	8.418	785	790	793	rBV2	1831425	5600618	8.73%	0.659%
39	8.487	793	797	809	rVB	4046889	13110196	20.43%	1.542%
40	8.665	809	815	822	rBV	2109356	7593841	11.83%	0.893%
41	8.872	832	836	843	rVB2	1134287	3924942	6.12%	0.462%
42	9.000	843	849	854	rBV3	1720044	6427009	10.02%	0.756%
43	9.079	854	857	858	rVV	1192209	2603791	4.06%	0.306%
44	9.148	859	864	871	rVB2	4654619	14563543	22.70%	1.713%
45	9.325	877	882	891	rVB2	3328518	10588305	16.50%	1.245%
46	9.562	901	906	909	rBV4	787618	2277680	3.55%	0.268%
47	9.680	909	918	920	rVV5	973687	4620868	7.20%	0.543%
48	9.729	920	923	926	rVV	1100743	3161895	4.93%	0.372%
49	9.799	926	930	933	rVV2	1831637	5269097	8.21%	0.620%
50	9.917	933	942	947	rVV2	4718010	15031231	23.43%	1.768%
51	9.996	947	950	956	rVB2	863122	2009701	3.13%	0.236%
52	10.153	962	966	970	rVB	2170409	4617747	7.20%	0.543%
53	10.262	970	977	984	rBV4	1224821	5000178	7.79%	0.588%
54	10.370	984	988	995	rVB3	836106	2438042	3.80%	0.287%
55	10.538	995	1005	1011	rBV4	1413002	5814398	9.06%	0.684%
56	10.686	1016	1020	1028	rVV4	2500278	8507048	13.26%	1.000%
57	10.794	1028	1031	1033	rVV2	532466	1331276	2.07%	0.157%
58	10.844	1033	1036	1039	rVV2	699364	1662558	2.59%	0.196%
59	10.972	1045	1049	1054	rVB2	367883	979847	1.53%	0.115%
60	11.061	1054	1058	1061	rBV4	931945	2643513	4.12%	0.311%
61	11.140	1063	1066	1068	rVV	1369185	3104366	4.84%	0.365%
62	11.169	1068	1069	1072	rVV	1274063	1779351	2.77%	0.209%
63	11.228	1072	1075	1078	rVV5	502821	1466139	2.28%	0.172%
64	11.287	1078	1081	1085	rVB	1837247	3453980	5.38%	0.406%
65	11.426	1091	1095	1100	rBV5	652920	1725041	2.69%	0.203%
66	11.564	1106	1109	1111	rBV	690774	1263363	1.97%	0.149%
67	11.603	1111	1113	1117	rVV	2490987	4507018	7.02%	0.530%
68	11.672	1117	1120	1122	rVV	2207272	3380695	5.27%	0.398%
69	11.731	1122	1126	1130	rVV	5304952	11657319	18.17%	1.371%
70	11.840	1134	1137	1141	rVB	3870820	6076381	9.47%	0.715%
71	12.027	1151	1156	1159	rVB2	1439770	3292245	5.13%	0.387%

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72	12.214	1171	1175	1179	rVB	5803745	9887732	15.41%	1.163%
73	12.313	1181	1185	1190	rVB2	2811765	4959319	7.73%	0.583%
74	12.441	1195	1198	1200	rBV	1889689	3204988	4.99%	0.377%
75	12.560	1204	1210	1213	rVB2	1021770	2267699	3.53%	0.267%
76	12.619	1213	1216	1221	rVB	1441406	2133446	3.32%	0.251%
77	12.747	1222	1229	1231	rBV2	3082189	5999736	9.35%	0.706%
78	12.786	1231	1233	1235	rVV	6950412	11732101	18.28%	1.380%
79	12.845	1235	1239	1244	rVB3	8322307	22425976	34.95%	2.637%
80	13.013	1253	1256	1260	rVB	3047855	4850646	7.56%	0.570%
81	13.112	1260	1266	1269	rBV	4851527	12907298	20.12%	1.518%
82	13.171	1269	1272	1277	rVB	6517511	10477705	16.33%	1.232%
83	13.260	1277	1281	1284	rBV2	1446545	3474287	5.41%	0.409%
84	13.427	1296	1298	1303	rVV2	1394654	2139727	3.33%	0.252%
85	13.506	1303	1306	1308	rVV	3789164	5399262	8.41%	0.635%
86	13.555	1308	1311	1313	rVV	4595713	8156284	12.71%	0.959%
87	13.624	1316	1318	1324	rVB	1811657	3284597	5.12%	0.386%
88	13.723	1324	1328	1331	rBV2	3608536	6449727	10.05%	0.759%
89	13.772	1331	1333	1336	rVV3	1059310	1446515	2.25%	0.170%
90	13.822	1336	1338	1340	rVV	1804917	2209489	3.44%	0.260%
91	13.861	1340	1342	1346	rVV3	2863230	5084048	7.92%	0.598%
92	13.930	1346	1349	1351	rVB2	1913939	2874251	4.48%	0.338%
93	14.058	1360	1362	1364	rBV2	1397489	2539116	3.96%	0.299%
94	14.088	1364	1365	1368	rVB	2008240	2137899	3.33%	0.251%
95	14.167	1368	1373	1375	rBV3	2796144	6963209	10.85%	0.819%
96	14.226	1375	1379	1385	rVB2	2248195	4733448	7.38%	0.557%
97	14.433	1396	1400	1402	rBV2	536653	994445	1.55%	0.117%
98	14.601	1415	1417	1420	rVB	1301394	1731318	2.70%	0.204%
99	14.749	1427	1432	1435	rVB2	1384667	2235462	3.48%	0.263%
100	15.291	1482	1487	1491	rBV	1213244	1804611	2.81%	0.212%

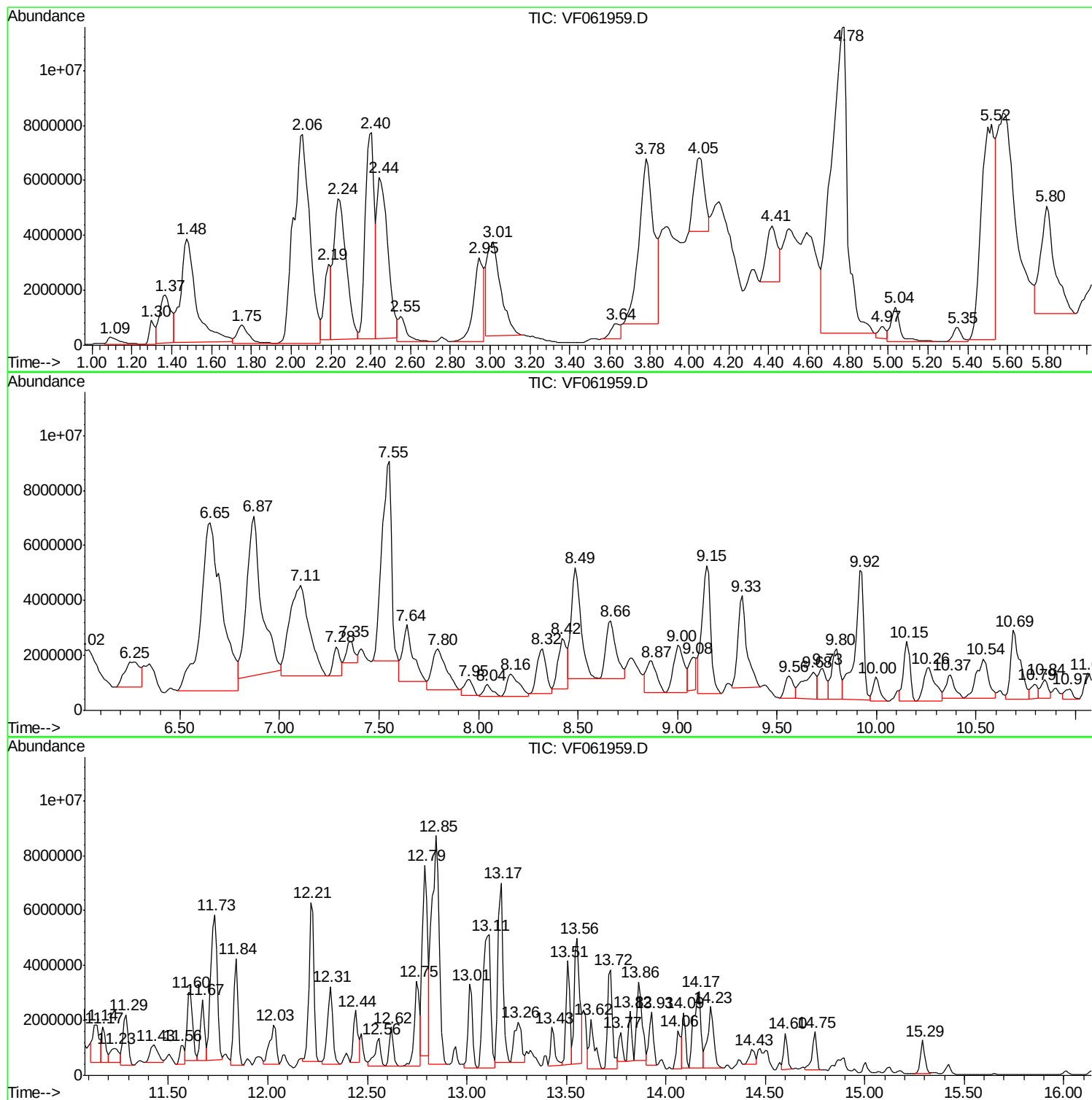
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260

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



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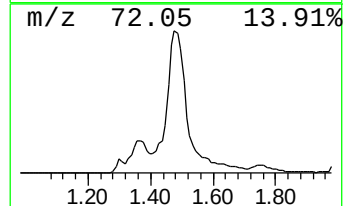
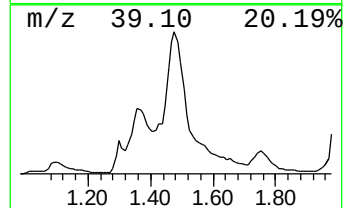
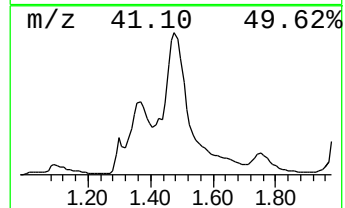
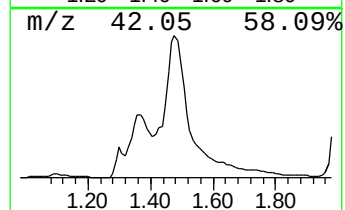
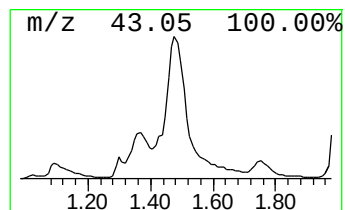
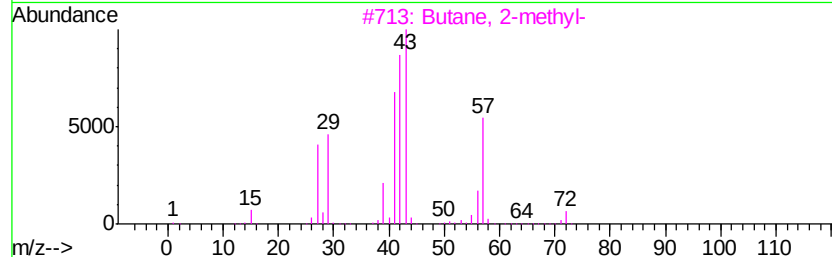
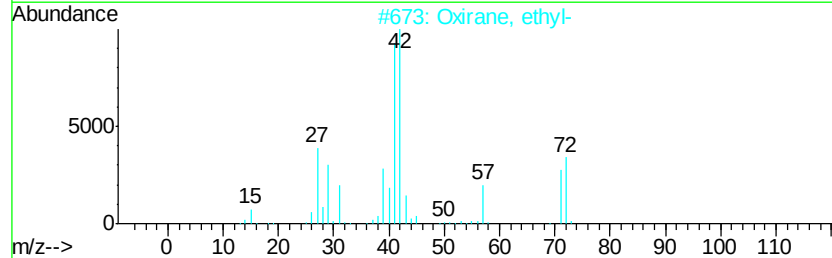
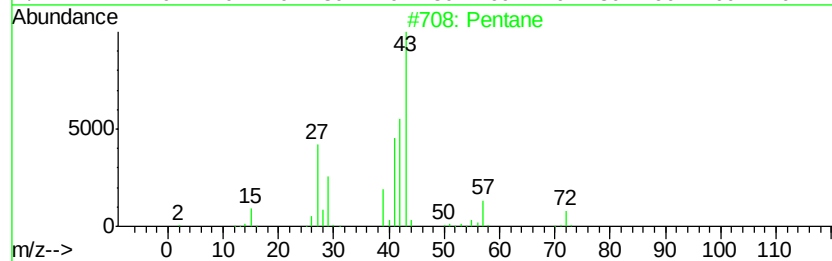
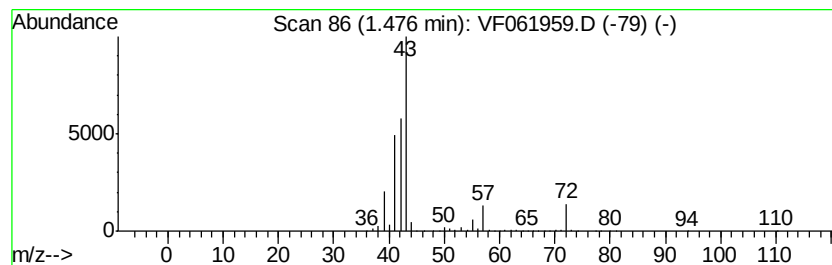
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	933.63 ug/l	20651300	Pentafluorobenzene	4.90

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane		72	C5H12	000109-66-0	86
2	Oxirane, ethyl-		72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-		72	C5H12	000078-78-4	50
4	Butanal, 2,2-dimethyl-		100	C6H12O	002094-75-9	12
5	1,3-Dimethyldiaziridine		72	C3H8N2	026177-36-6	9



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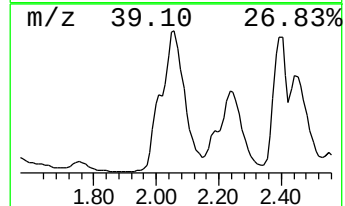
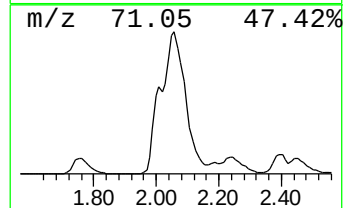
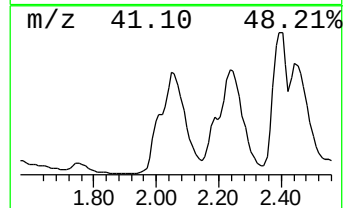
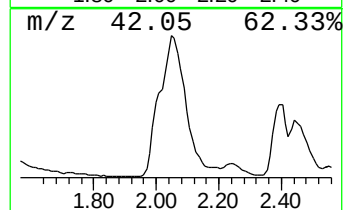
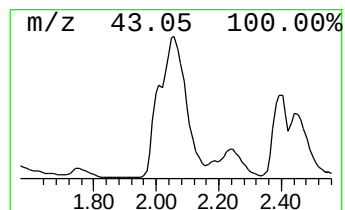
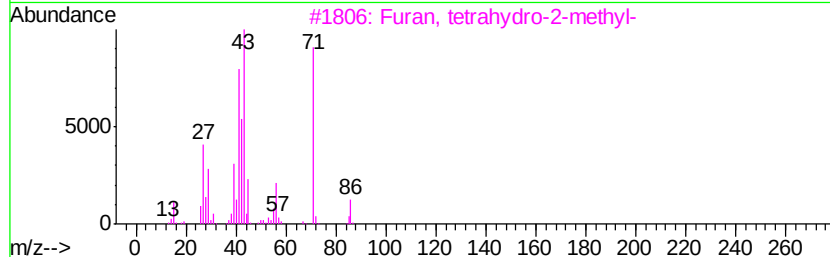
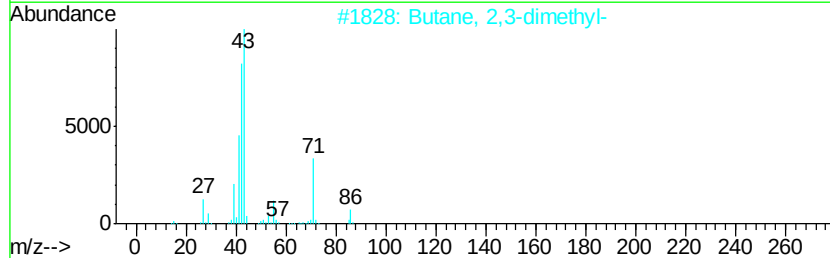
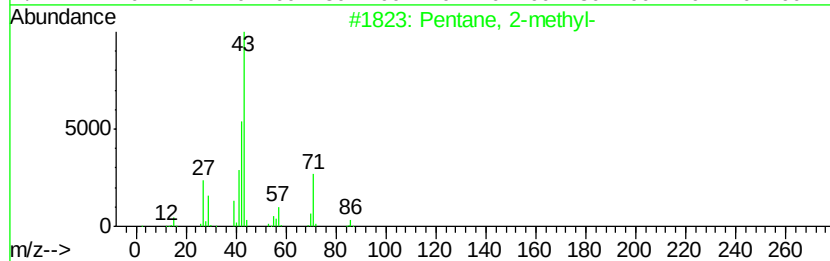
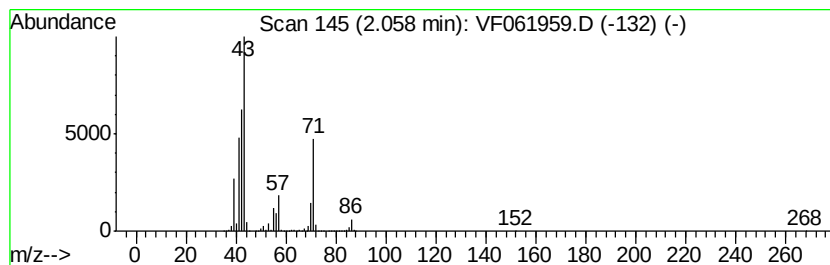
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TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.06	1957.77 ug/l	43304900	Pentafluorobenzene	4.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	74
3		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	49
4		1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5		Pentane	72	C5H12	000109-66-0	43



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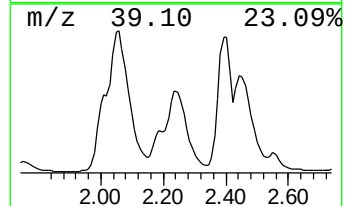
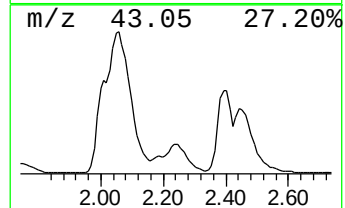
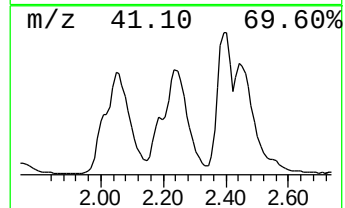
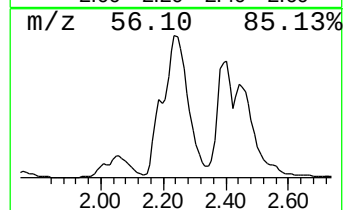
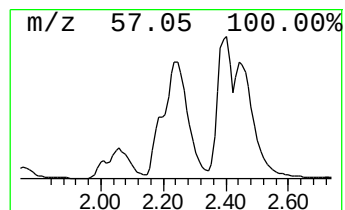
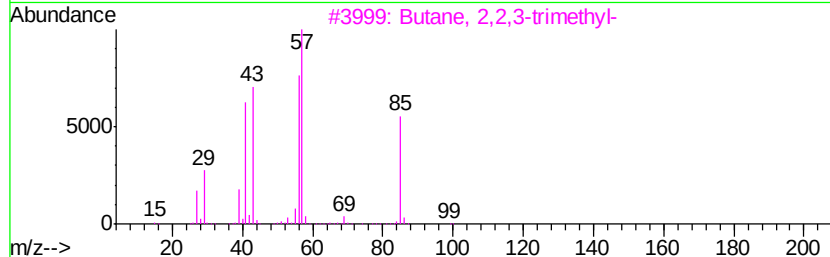
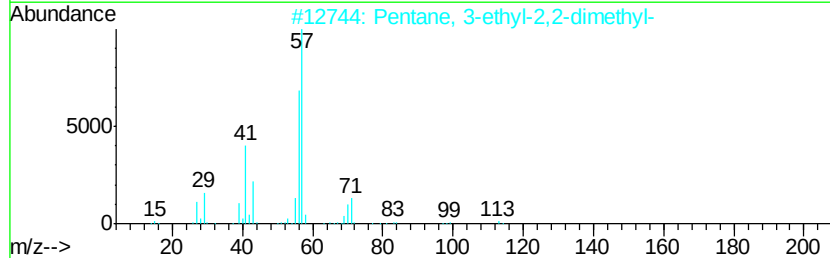
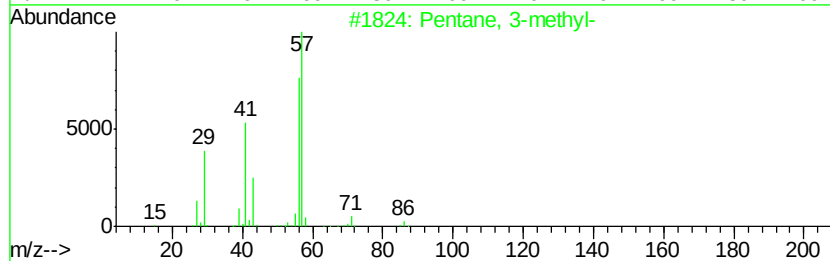
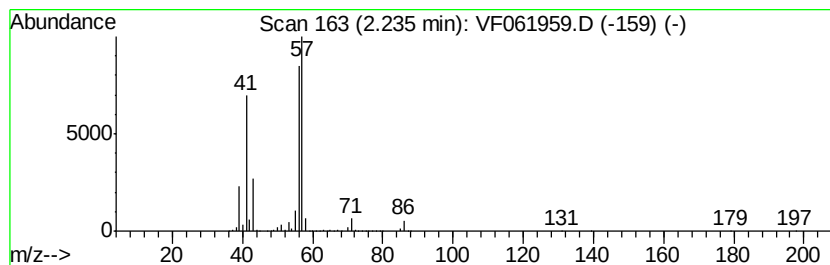
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Peak Number 3 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	1014.91 ug/l	22449300	Pentafluorobenzene	4.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
3		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4		Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	64
5		3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
Sample : K1928-02
Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

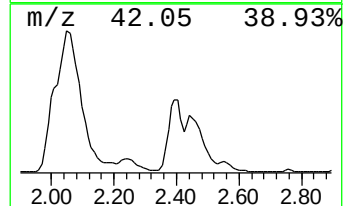
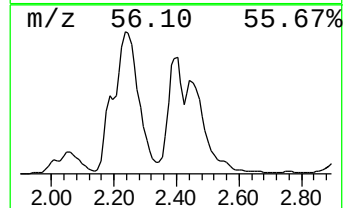
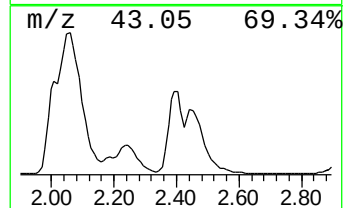
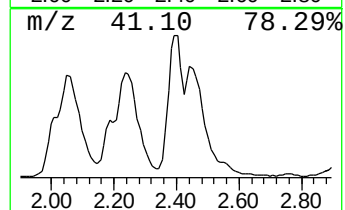
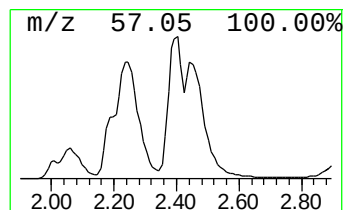
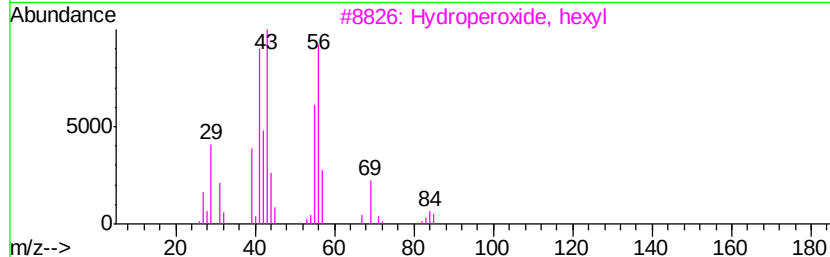
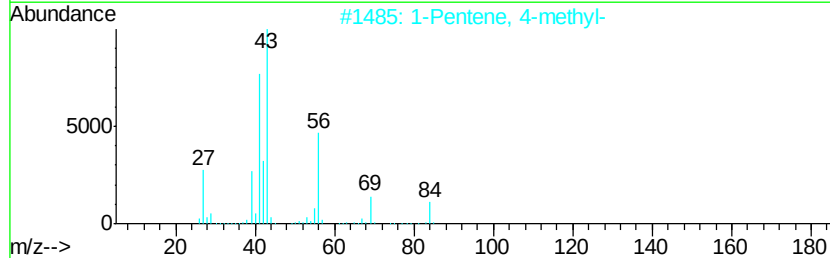
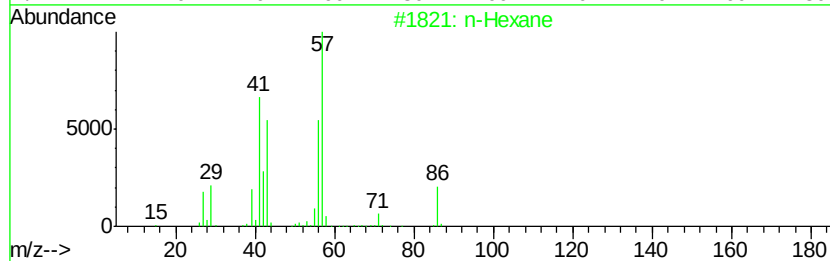
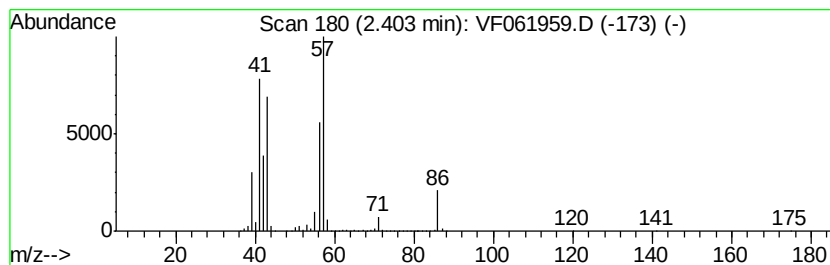
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MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260

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

Peak Number 4 n-Hexane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
2.40	1046.59 ug/l	23150100	Pentafluorobenzene	4.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	94
2	1-Pentene, 4-methyl-		84	C6H12	000691-37-2	40
3	Hydroperoxide, hexyl		118	C6H14O2	004312-76-9	40
4	Butanal, 2-methyl-		86	C5H10O	000096-17-3	38
5	Propanal, 2,2-dimethyl-		86	C5H10O	000630-19-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
Sample : K1928-02
Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

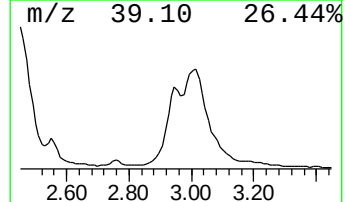
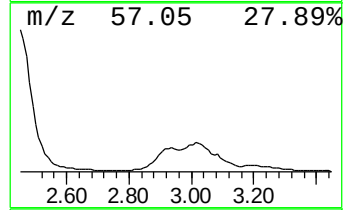
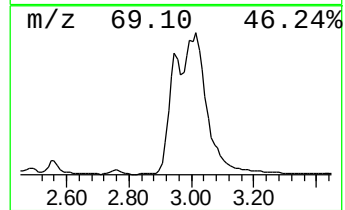
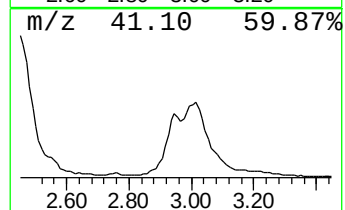
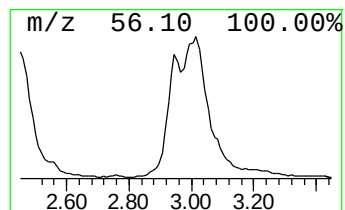
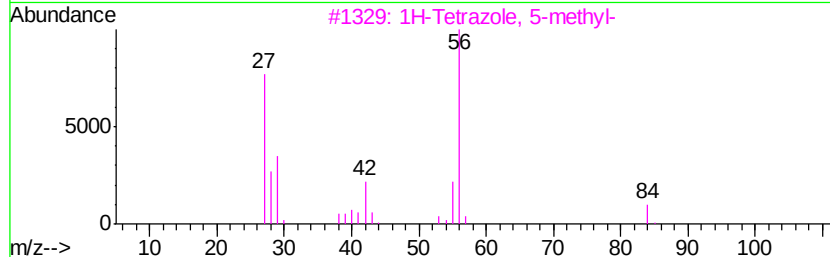
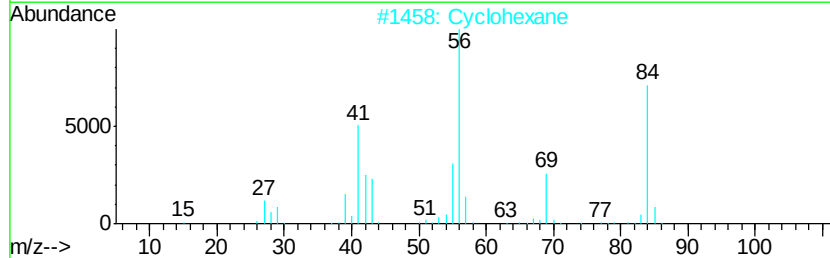
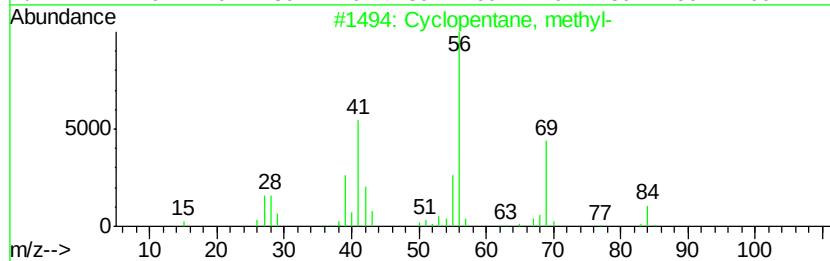
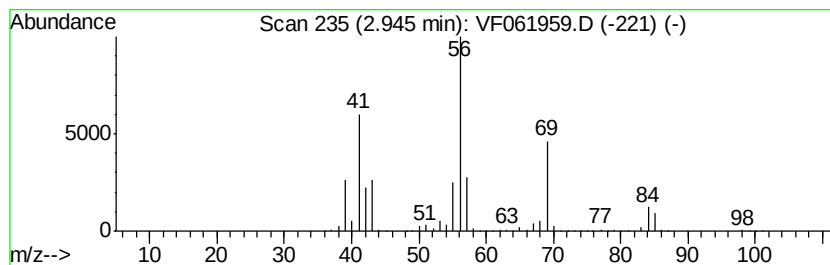
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	459.43 ug/l	10162400	Pentafluorobenzene	4.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2		Cyclohexane	84	C6H12	000110-82-7	83
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4		Cyanoic acid, propyl ester	85	C4H7NO	001768-36-1	50
5		Cyclobutane, ethyl-	84	C6H12	004806-61-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
Sample : K1928-02
Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

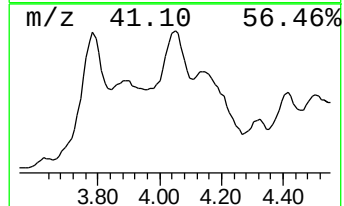
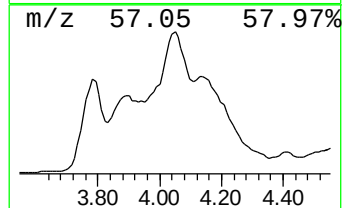
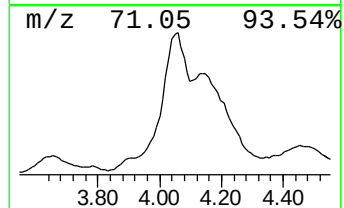
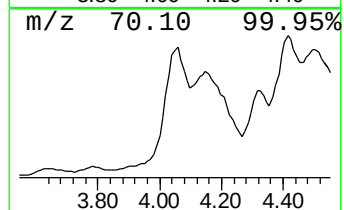
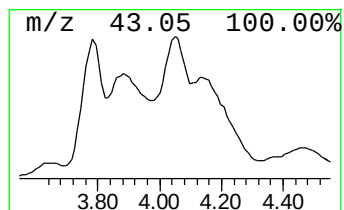
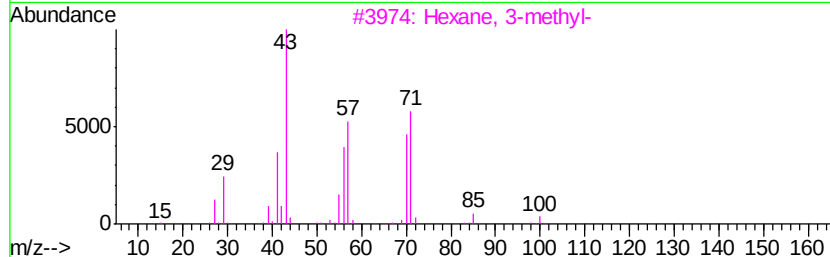
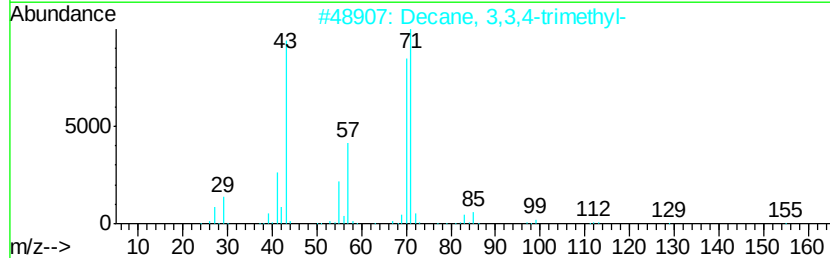
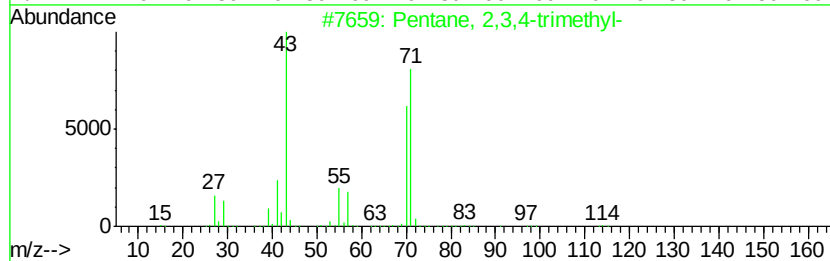
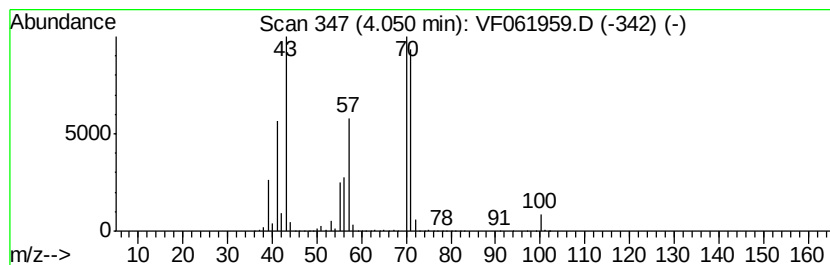
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260

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

Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
4.05	445.81 ug/l	9861090	Pentafluorobenzene	4.90		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72	
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64	
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	59	
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59	
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	56	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
Sample : K1928-02
Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

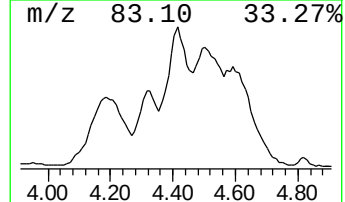
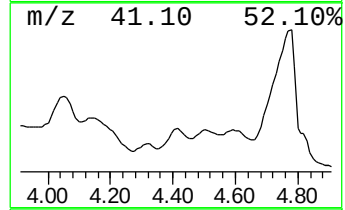
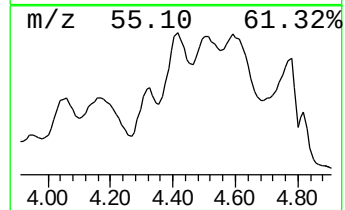
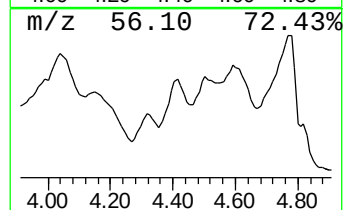
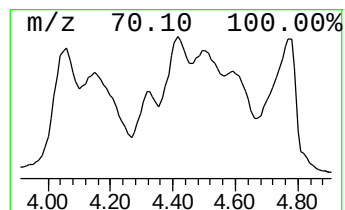
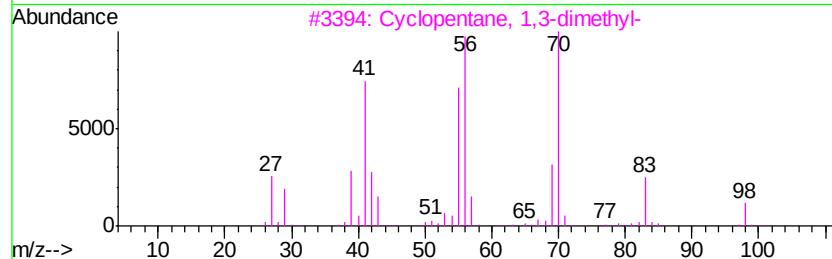
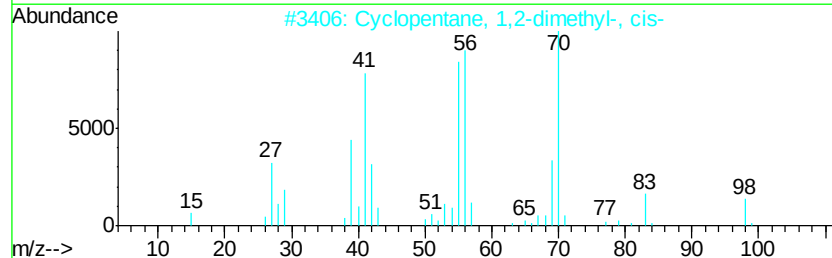
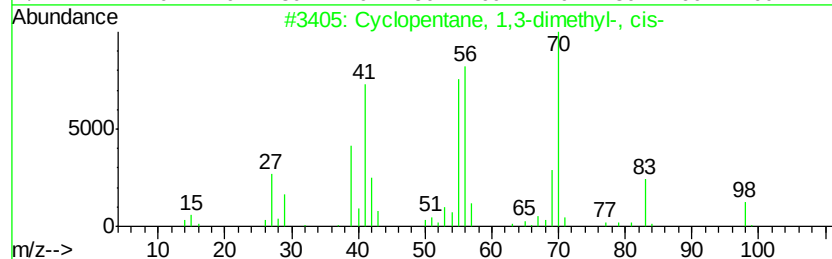
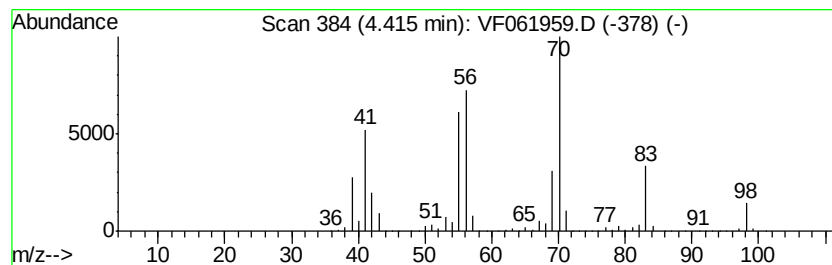
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Quant Title : SW846 8260

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

Peak Number 9 Cyclopentane, 1,3-dimethyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	352.37 ug/l	7794150	Pentafluorobenzene	4.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
3		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64
4		Isopropylcyclobutane	98	C7H14	000872-56-0	55
5		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
Sample : K1928-02
Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-MW-7(10.5-11)

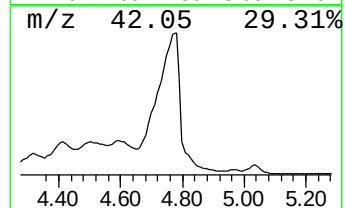
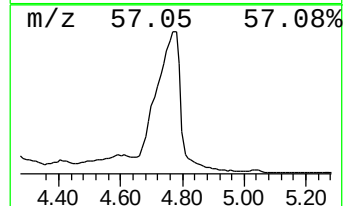
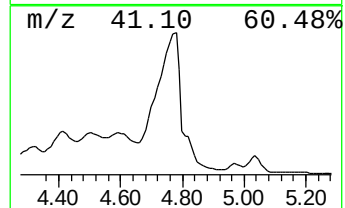
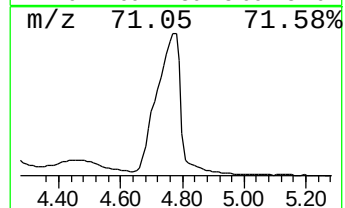
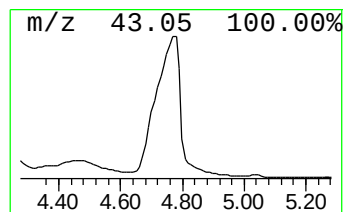
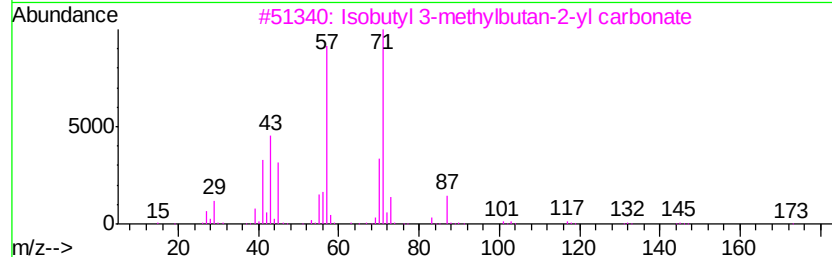
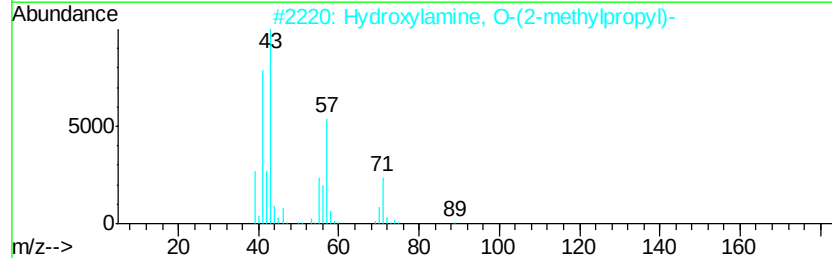
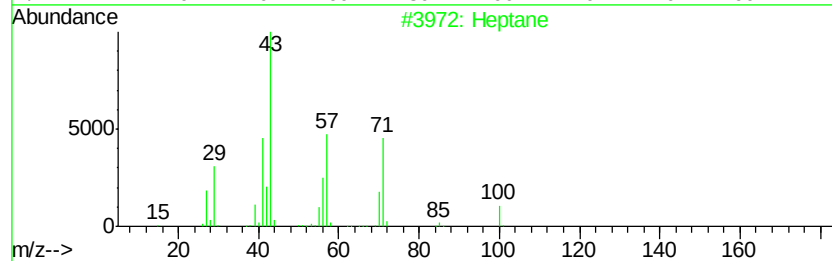
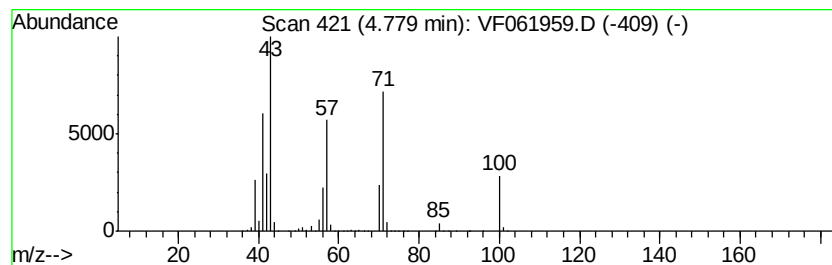
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Quant Title : SW846 8260

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

Peak Number 10 Heptane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	2900.83 ug/l	64165000	Pentafluorobenzene	4.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	72
2		Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	64
3		Isobutyl 3-methylbutan-2-yl carb...	188	C10H20O3	1000372-77-0	47
4		3-Hexanone	100	C6H12O	000589-38-8	43
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
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Misc : 6.34g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.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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Pentane, 2-methyl-	2.06	1957.8	ug/l	43304900	1	4.90	1105980	50.0
Pentane, 3-methyl-	2.24	1014.9	ug/l	22449300	1	4.90	1105980	50.0
n-Hexane	2.40	1046.6	ug/l	23150100	1	4.90	1105980	50.0
Cyclopentane, met...	2.95	459.4	ug/l	10162400	1	4.90	1105980	50.0
Pentane, 2,3,4-tr...	4.05	445.8	ug/l	9861090	1	4.90	1105980	50.0
Cyclopentane, 1,3...	4.41	352.4	ug/l	7794150	1	4.90	1105980	50.0
Heptane	4.78	2900.8	ug/l	64165000	1	4.90	1105980	50.0