

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061967.D
 Acq On : 15 Mar 2019 18:08
 Operator : VA/AP
 Sample : K1928-10
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-1(9-9.5)

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	1.023	36	40	43	rBV	2212450	6543517	7.13%	0.574%
2	1.299	64	68	69	rBV2	2154427	4044068	4.41%	0.355%
3	1.368	69	75	81	rVV	5372523	26543375	28.94%	2.328%
4	1.486	81	87	91	rVV3	3803830	17916534	19.53%	1.572%
5	2.058	132	145	155	rBV2	11152610	66876179	72.91%	5.866%
6	2.245	155	164	174	rVB	6879441	36430263	39.72%	3.196%
7	2.393	174	179	181	rBV	5451751	14769029	16.10%	1.296%
8	2.452	181	185	193	rVV	8005760	32146875	35.05%	2.820%
9	2.561	193	196	199	rVB2	741986	1539368	1.68%	0.135%
10	3.024	230	243	281	rVB2	7887442	63792654	69.55%	5.596%
11	3.537	286	295	298	rBV4	487132	2253756	2.46%	0.198%
12	3.794	307	321	328	rBV2	7530148	51842548	56.52%	4.548%
13	4.425	378	385	388	rBV2	2047009	8470159	9.23%	0.743%
14	4.681	406	411	414	rBV	3358555	12105254	13.20%	1.062%
15	4.770	416	420	433	rVB2	9088302	35571719	38.78%	3.120%
16	4.987	437	442	445	rBV2	1177977	3616033	3.94%	0.317%
17	5.194	458	463	469	rVB	773516	2317691	2.53%	0.203%
18	5.292	469	473	476	rBV2	584059	1803636	1.97%	0.158%
19	5.352	476	479	486	rVB2	737640	2060167	2.25%	0.181%
20	5.509	486	495	496	rBV	5612564	19786404	21.57%	1.736%
21	5.805	519	525	542	rVB3	2560746	16285157	17.75%	1.429%
22	6.278	570	573	579	rBV2	372092	1216554	1.33%	0.107%
23	6.397	579	585	590	rVV	2021819	6725689	7.33%	0.590%
24	6.643	600	610	611	rBV	4227121	12977166	14.15%	1.138%
25	6.870	627	633	649	rVB3	3291893	20397875	22.24%	1.789%
26	7.136	654	660	673	rVB4	2199203	13384732	14.59%	1.174%
27	7.521	694	699	701	rBV3	908711	2695936	2.94%	0.236%
28	7.679	704	715	716	rBV2	9997347	35216364	38.39%	3.089%
29	7.846	730	732	734	rBV	1318247	2523926	2.75%	0.221%
30	7.896	734	737	741	rVB3	2349421	5569539	6.07%	0.489%
31	7.965	741	744	750	rVB5	610947	1527495	1.67%	0.134%
32	8.182	761	766	775	rVB4	757964	3188990	3.48%	0.280%
33	8.329	775	781	787	rBV3	1496006	6252407	6.82%	0.548%
34	8.438	787	792	794	rBV	1528165	4173523	4.55%	0.366%

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Integrator: RTE
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35	8.507	795	799	811	rVB3	2824771	11539969	12.58%	1.012%
36	8.675	811	816	823	rBV2	1493281	4907431	5.35%	0.430%
37	9.030	845	852	856	rBV5	1577778	6685356	7.29%	0.586%
38	9.158	860	865	873	rVV3	4012886	15960365	17.40%	1.400%
39	9.276	873	877	878	rVV3	560484	1361679	1.48%	0.119%
40	9.345	878	884	892	rVV2	3150660	12521956	13.65%	1.098%
41	9.454	893	895	903	rVB4	876670	2736127	2.98%	0.240%
42	9.582	903	908	913	rBV4	744056	2923086	3.19%	0.256%
43	9.976	938	948	955	rVB2	11524595	50239966	54.77%	4.407%
44	10.085	956	959	962	rVB	611082	1252891	1.37%	0.110%
45	10.262	962	977	980	rBV	16498143	91726703	100.00%	8.046%
46	10.321	980	983	987	rVB2	821232	1696479	1.85%	0.149%
47	10.558	1001	1007	1011	rBV2	1392712	3869778	4.22%	0.339%
48	10.785	1019	1030	1035	rVV	12564689	46326874	50.51%	4.064%
49	10.854	1035	1037	1040	rVV2	910612	1833209	2.00%	0.161%
50	11.071	1054	1059	1062	rBV3	1094075	3178558	3.47%	0.279%
51	11.150	1062	1067	1069	rVV	3976749	9076103	9.89%	0.796%
52	11.238	1073	1076	1079	rVV4	813105	2201911	2.40%	0.193%
53	11.298	1079	1082	1087	rVB	2216028	4336516	4.73%	0.380%
54	11.436	1092	1096	1101	rVV5	562906	1766852	1.93%	0.155%
55	11.623	1108	1115	1119	rBV	6363828	13916375	15.17%	1.221%
56	11.692	1119	1122	1124	rVV	3465446	6545994	7.14%	0.574%
57	11.751	1124	1128	1133	rVV	12189150	36168763	39.43%	3.173%
58	11.860	1135	1139	1142	rVV	9403500	17368380	18.93%	1.524%
59	11.978	1146	1151	1153	rVV4	456238	1290925	1.41%	0.113%
60	12.047	1153	1158	1161	rVV	7849764	14627514	15.95%	1.283%
61	12.106	1161	1164	1168	rVB	951166	1832817	2.00%	0.161%
62	12.254	1172	1179	1182	rVV	14331766	37684794	41.08%	3.306%
63	12.323	1182	1186	1191	rVV2	2317176	5017995	5.47%	0.440%
64	12.402	1191	1194	1196	rVV	728429	1156965	1.26%	0.101%
65	12.441	1196	1198	1200	rVV2	1840629	3187448	3.47%	0.280%
66	12.471	1200	1201	1204	rVV	1209163	1763308	1.92%	0.155%
67	12.560	1205	1210	1214	rVV2	1230756	3078432	3.36%	0.270%
68	12.639	1214	1218	1221	rVV	7420555	13312181	14.51%	1.168%
69	12.747	1224	1229	1231	rVV2	5861284	12044928	13.13%	1.057%
70	12.796	1231	1234	1235	rVV	5541441	9633359	10.50%	0.845%
71	12.856	1235	1240	1244	rVV3	6524707	19219235	20.95%	1.686%

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72	12.944	1244	1249	1252	rVV	843119	1332506	1.45%	0.117%
73	13.023	1254	1257	1261	rVB	3003923	4704678	5.13%	0.413%
74	13.112	1261	1266	1269	rBV2	4918042	13110659	14.29%	1.150%
75	13.171	1269	1272	1277	rVV2	6360930	11531457	12.57%	1.012%
76	13.250	1277	1280	1284	rVV2	3553602	6724159	7.33%	0.590%
77	13.299	1284	1285	1289	rVV2	771284	1390600	1.52%	0.122%
78	13.437	1296	1299	1303	rVB	1939536	2757647	3.01%	0.242%
79	13.516	1303	1307	1309	rBV	3754730	6130483	6.68%	0.538%
80	13.556	1309	1311	1314	rVV	5428655	8831248	9.63%	0.775%
81	13.595	1314	1315	1317	rVV	1566608	1455924	1.59%	0.128%
82	13.625	1317	1318	1320	rVV	1039448	1376126	1.50%	0.121%
83	13.723	1324	1328	1331	rBV2	5985510	9044175	9.86%	0.793%
84	13.773	1331	1333	1336	rVB3	1007574	1503922	1.64%	0.132%
85	13.822	1336	1338	1340	rBV	1269753	1706068	1.86%	0.150%
86	13.871	1340	1343	1347	rVV2	5251917	10415799	11.36%	0.914%
87	13.930	1347	1349	1352	rVB2	1550619	2134802	2.33%	0.187%
88	13.980	1352	1354	1357	rVB2	1055282	1736025	1.89%	0.152%
89	14.068	1360	1363	1364	rBV2	1087188	1915996	2.09%	0.168%
90	14.088	1364	1365	1368	rVB	1685046	2206581	2.41%	0.194%
91	14.167	1368	1373	1376	rBV4	2316392	5749590	6.27%	0.504%
92	14.226	1376	1379	1386	rVB2	1912978	3923006	4.28%	0.344%
93	14.473	1395	1404	1407	rBV	4470087	8246346	8.99%	0.723%
94	14.601	1415	1417	1421	rVV	1314620	2311808	2.52%	0.203%
95	14.749	1424	1432	1435	rVV3	1545126	3283312	3.58%	0.288%
96	14.897	1442	1447	1451	rVV3	647641	2145218	2.34%	0.188%
97	15.291	1483	1487	1493	rVV	3137220	5355965	5.84%	0.470%
98	15.419	1497	1500	1506	rVB	1460433	2401183	2.62%	0.211%

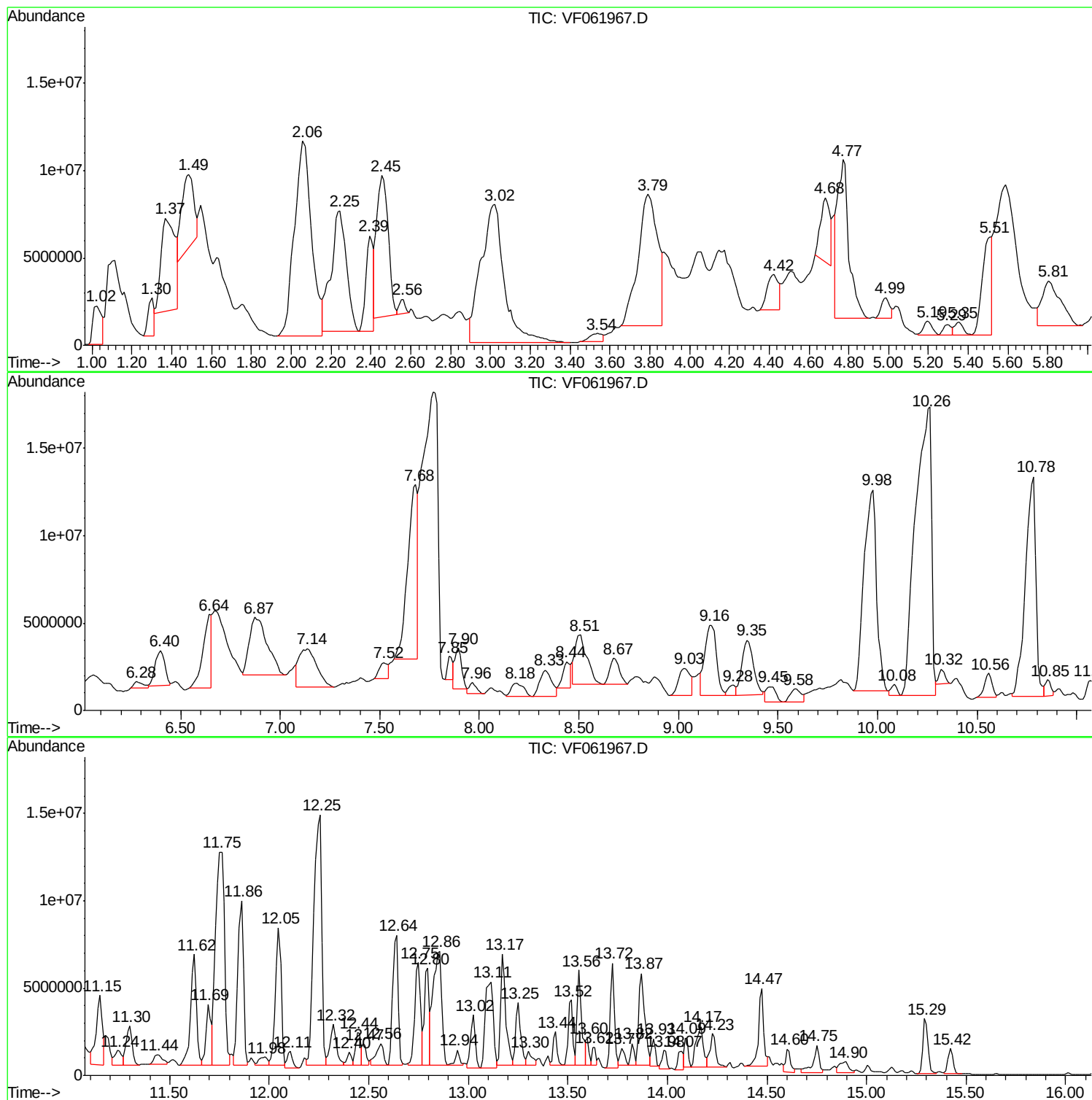
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SI-1(9-9.5)

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



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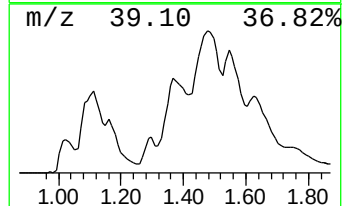
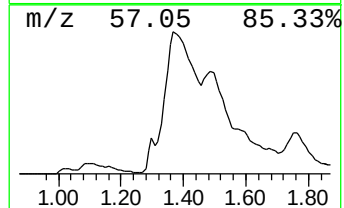
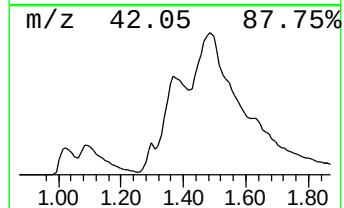
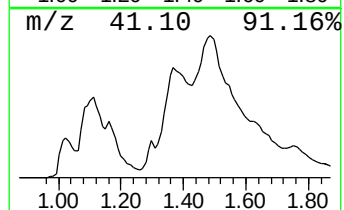
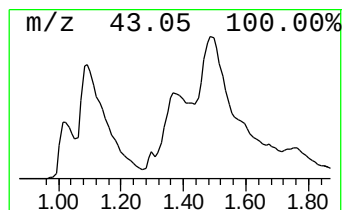
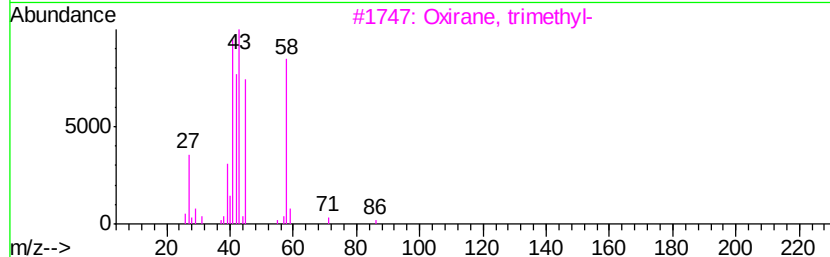
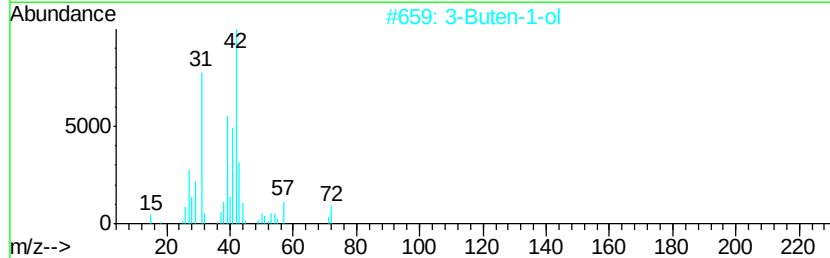
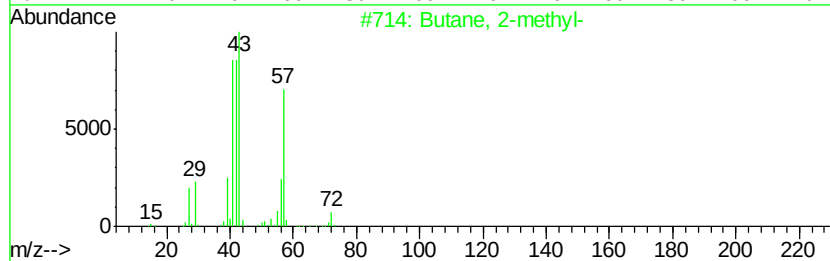
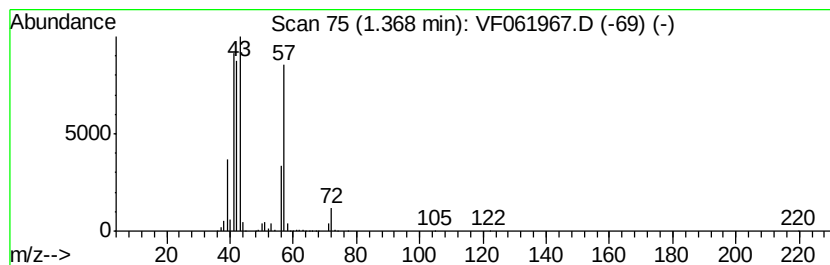
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	367.02 ug/l	26543400	Pentafluorobenzene	4.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2		3-Buten-1-ol	72	C4H8O	000627-27-0	43
3		Oxirane, trimethyl-	86	C5H10O	005076-19-7	40
4		Pentane	72	C5H12	000109-66-0	33
5		Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	25



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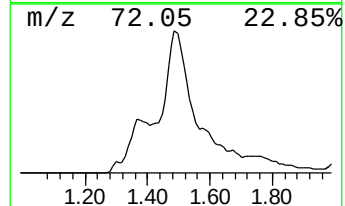
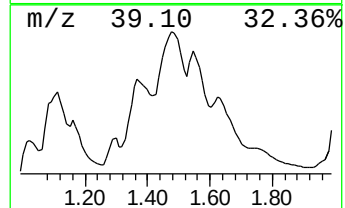
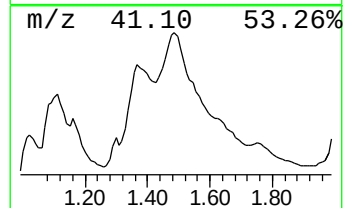
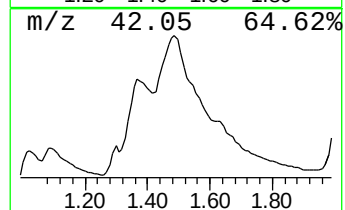
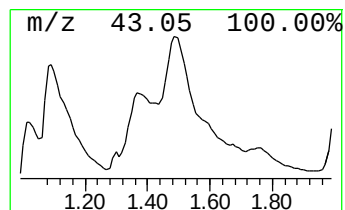
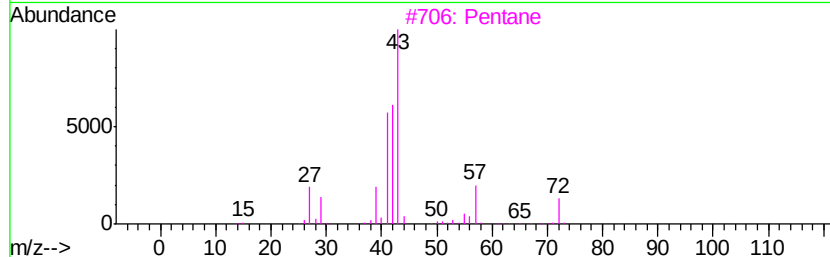
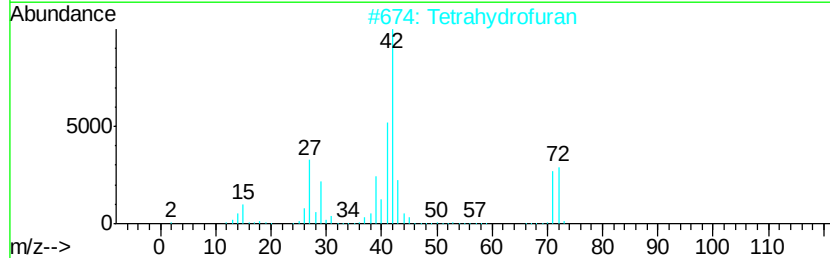
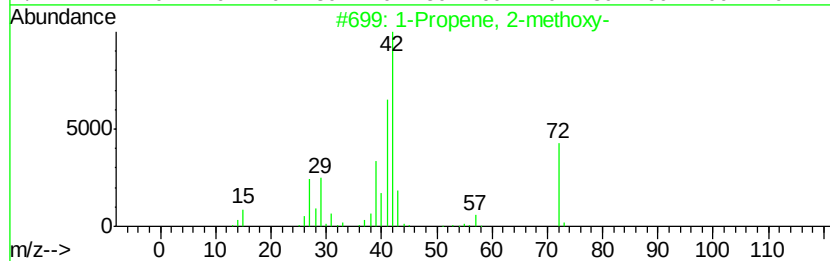
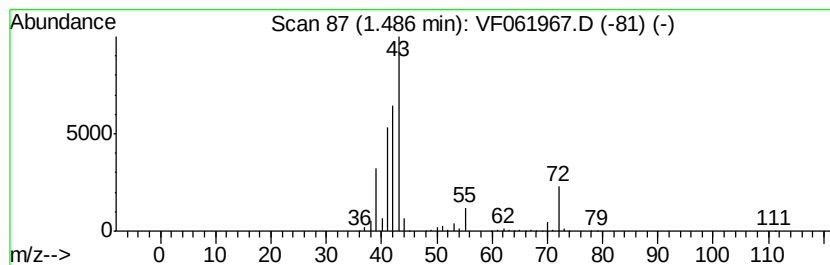
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 1-Propene, 2-methoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	247.74 ug/l	17916500	Pentafluorobenzene	4.91

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	52
2			Tetrahydrofuran	72	C4H8O	000109-99-9	50
3			Pentane	72	C5H12	000109-66-0	50
4			Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	50
5			Oxirane, ethyl-	72	C4H8O	000106-88-7	50



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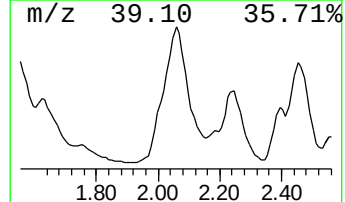
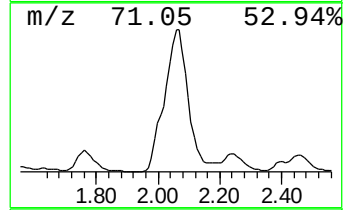
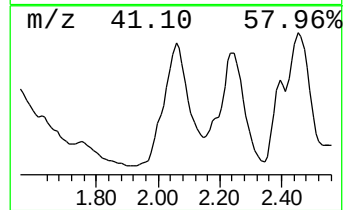
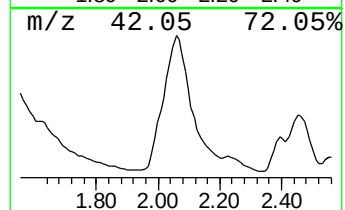
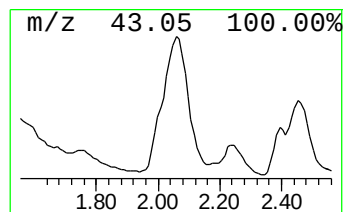
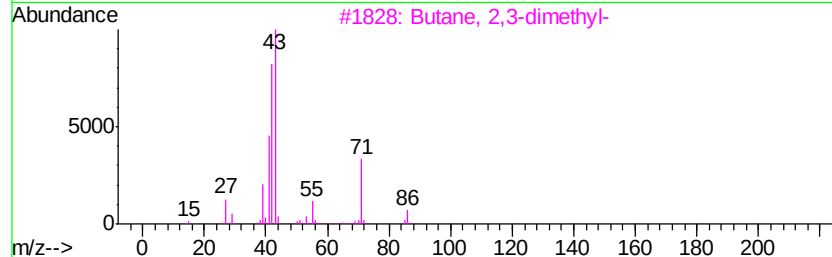
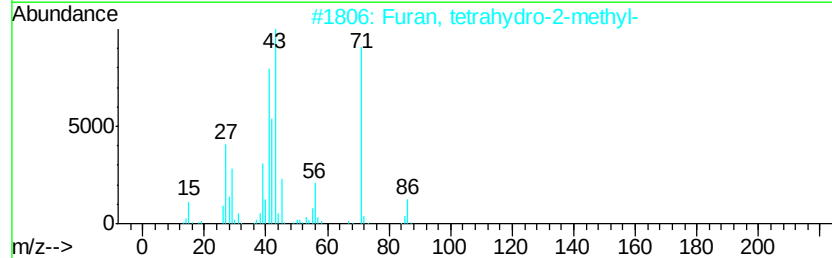
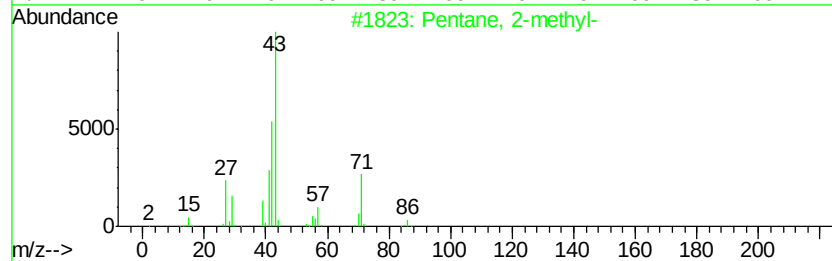
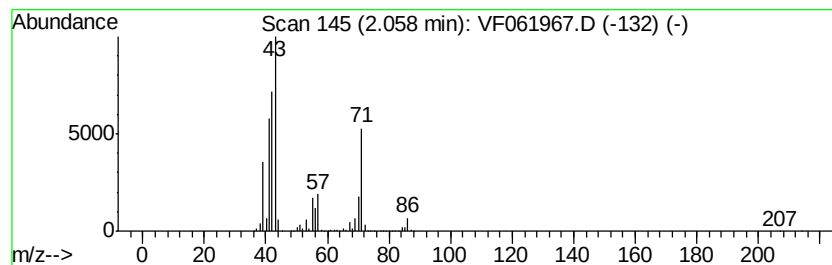
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.06	924.72 ug/l	66876200	Pentafluorobenzene	4.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	52
3		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
4		1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	43
5		Pentane	72	C5H12	000109-66-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

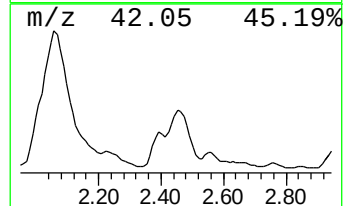
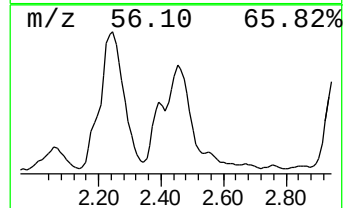
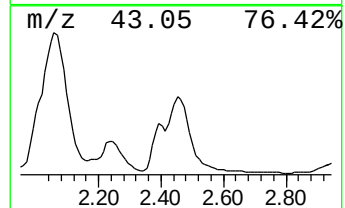
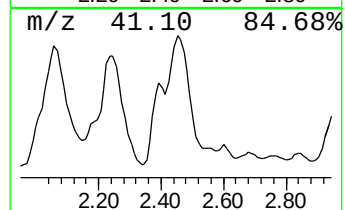
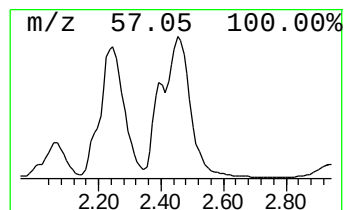
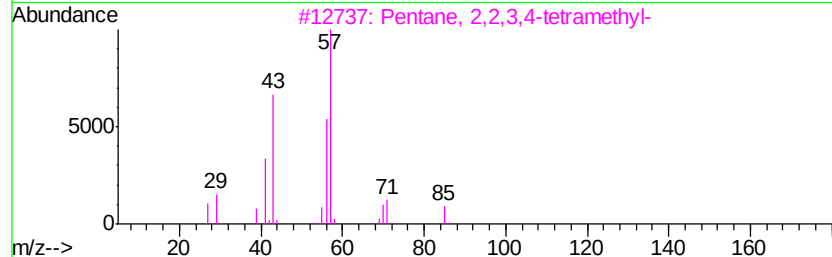
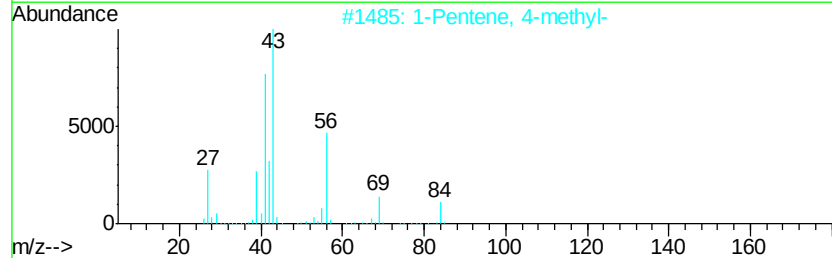
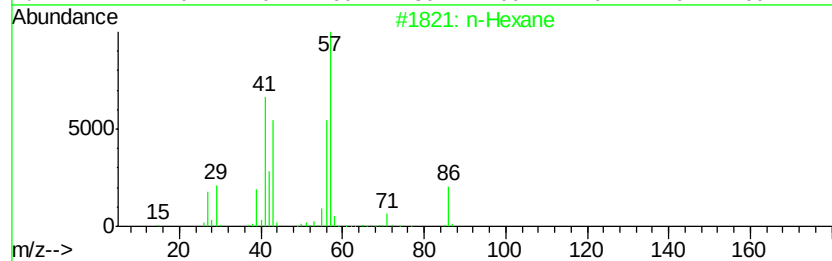
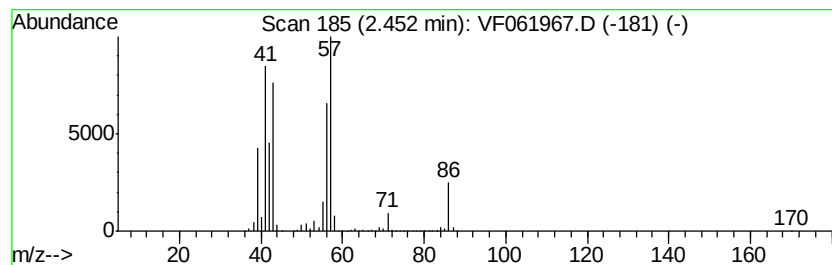
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ClientSampleId :
SI-1(9-9.5)

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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
2.45	444.51 ug/l	32146900	Pentafluorobenzene	4.91		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	70
2	1-Pentene, 4-methyl-		84	C6H12	000691-37-2	35
3	Pentane, 2,2,3,4-tetramethyl-		128	C9H20	001186-53-4	25
4	Butane, 2-methyl-		72	C5H12	000078-78-4	23
5	Furan, tetrahydro-3-methyl-		86	C5H10O	013423-15-9	17



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

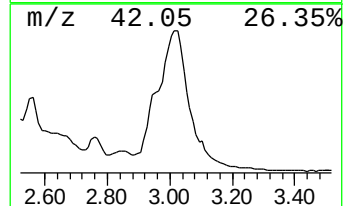
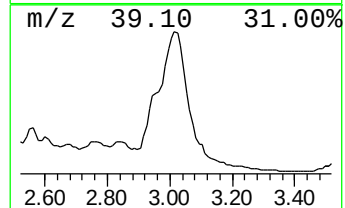
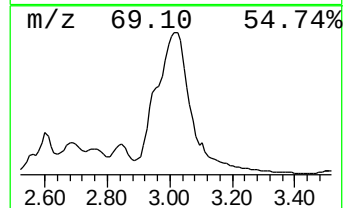
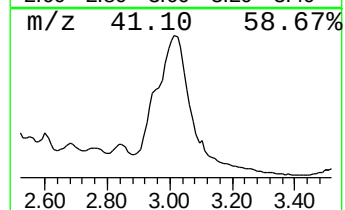
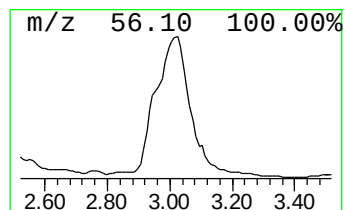
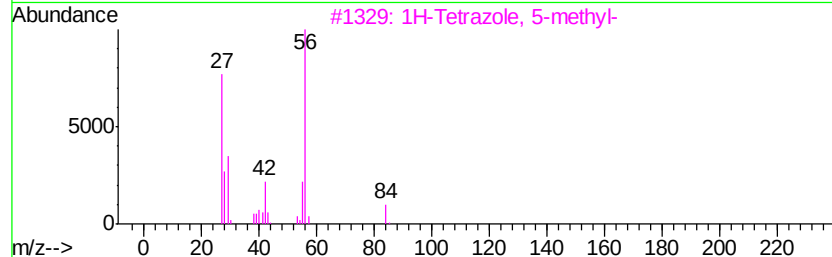
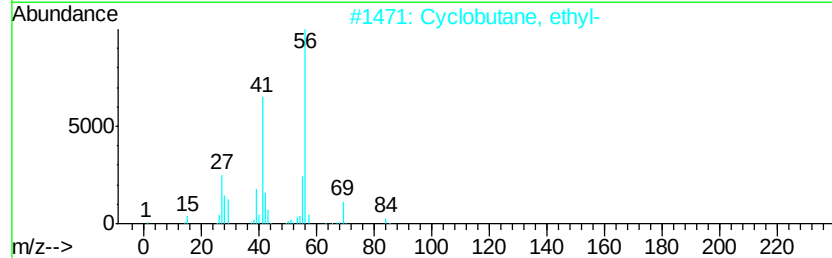
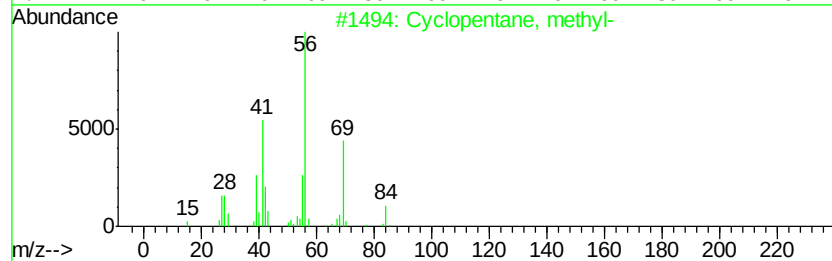
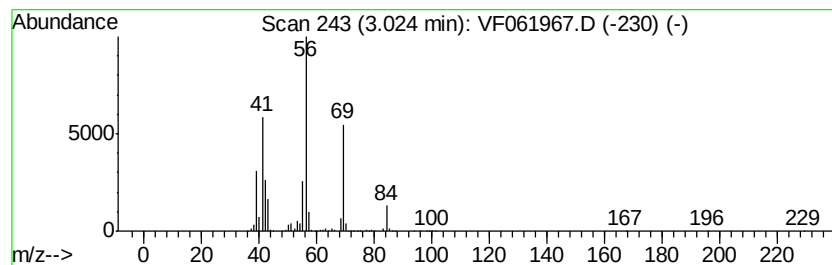
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	882.08 ug/l	63792700	Pentafluorobenzene	4.91

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5		Cyclobutane	56	C4H8	000287-23-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

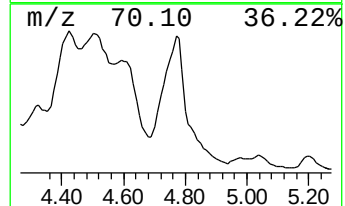
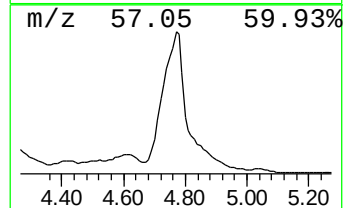
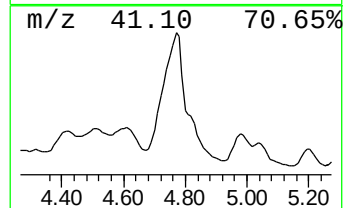
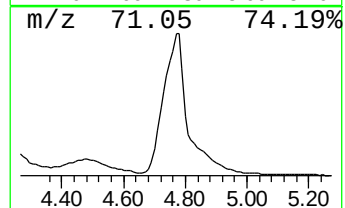
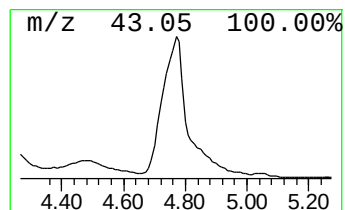
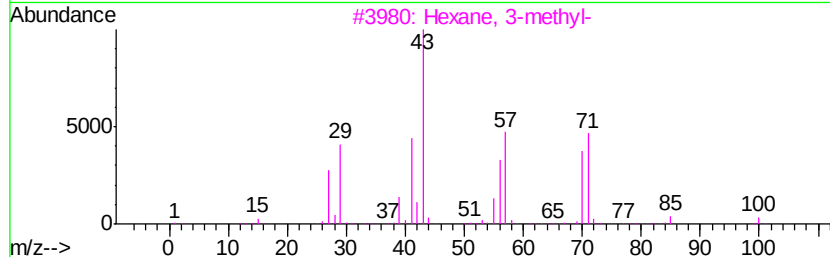
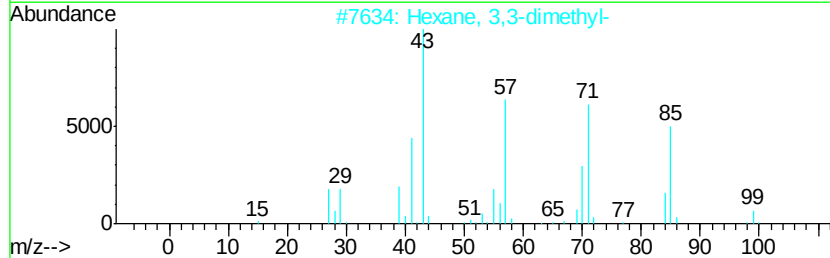
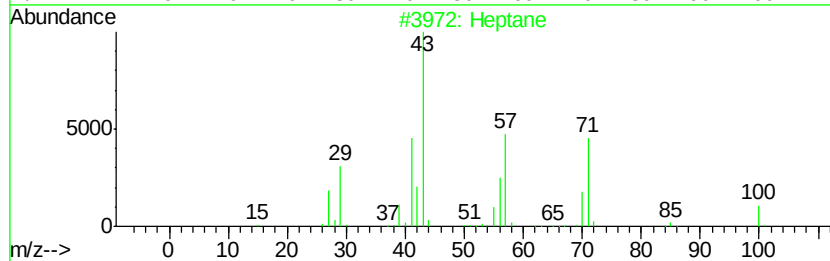
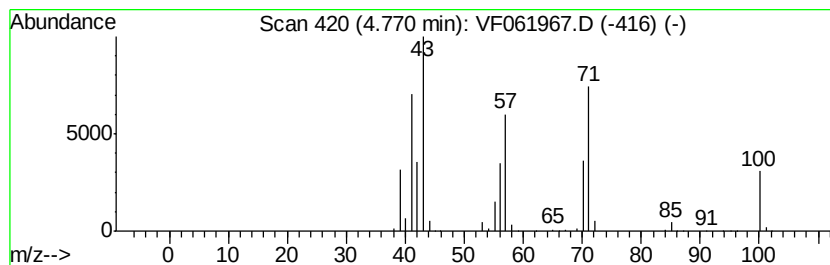
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Quant Title : SW846 8260

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

Peak Number 6 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	491.86 ug/l	35571700	Pentafluorobenzene	4.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	50
4		3-Hexanone	100	C6H12O	000589-38-8	50
5		Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

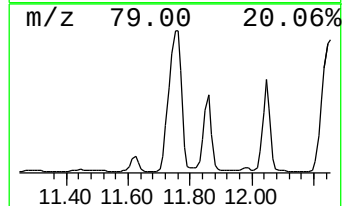
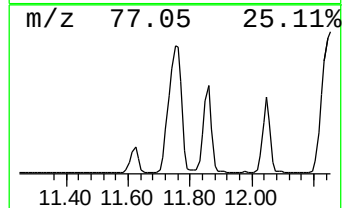
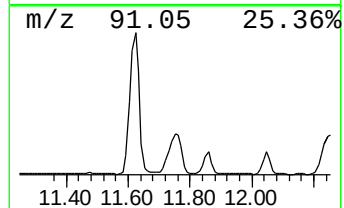
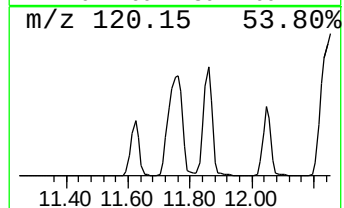
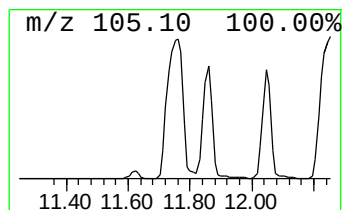
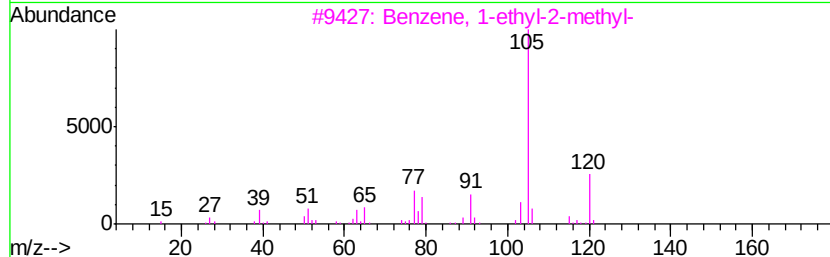
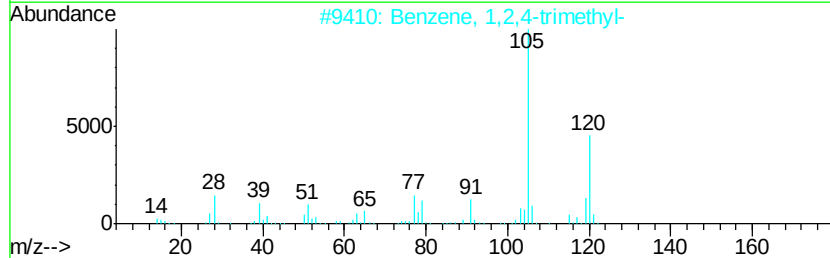
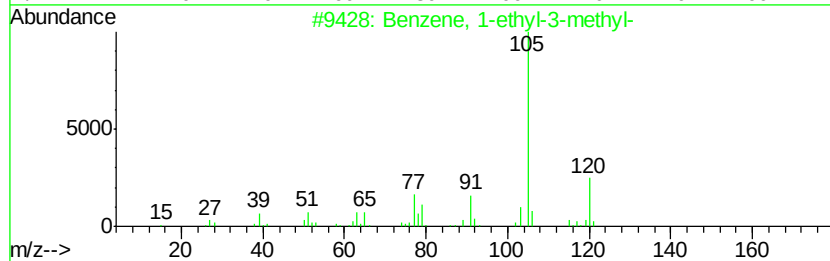
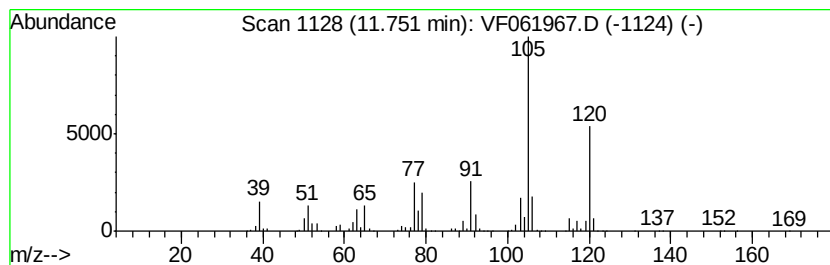
Instrument :
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ClientSampleId :
SI-1(9-9.5)

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 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	587.45 ug/l	36168800	1,4-Dichlorobenzene-d4	12.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 90
2		Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6 90
3		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 89
4		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 87
5		1,3-Cyclopentadiene, 5-(1-methyl...	120 C9H12	003141-02-4 86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

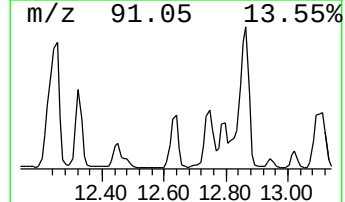
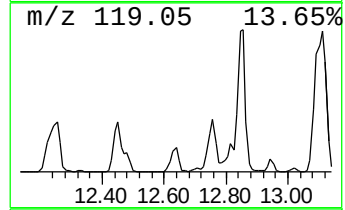
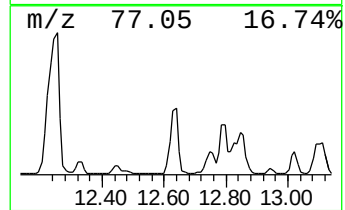
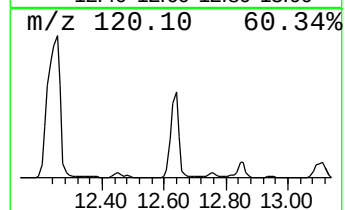
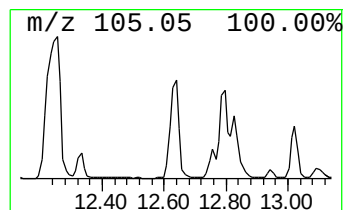
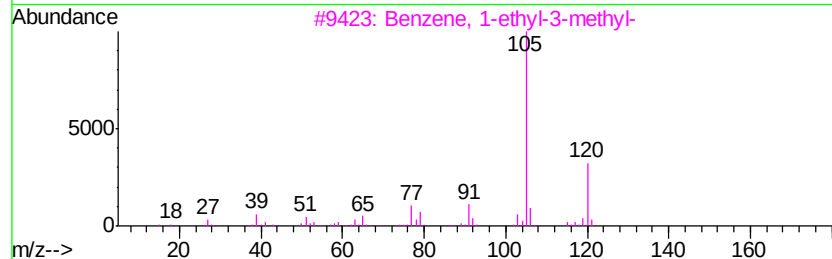
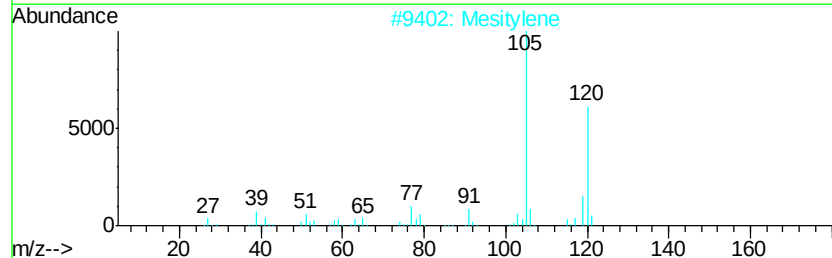
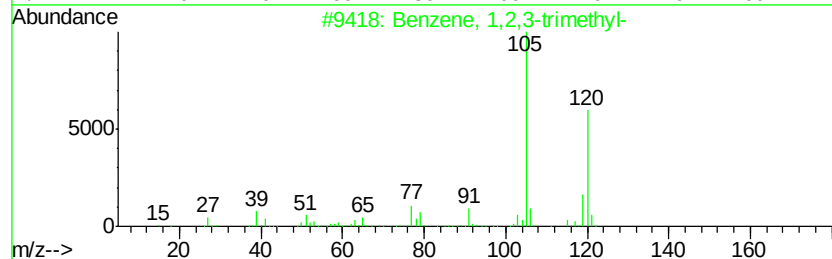
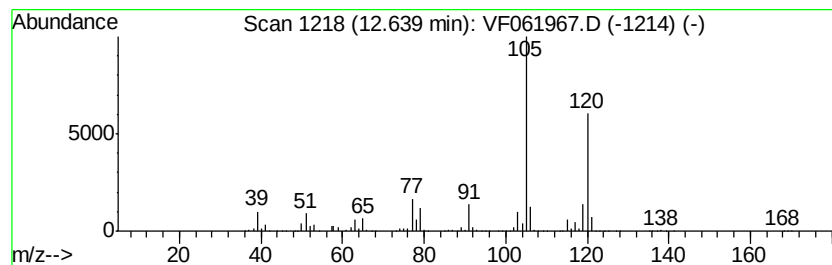
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	216.22 ug/l	13312200	1,4-Dichlorobenzene-d4	12.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SI-1(9-9.5)

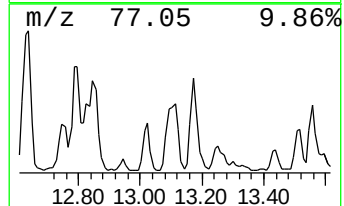
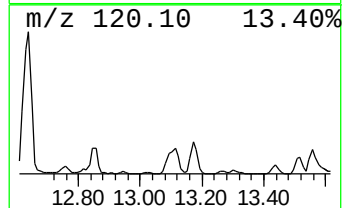
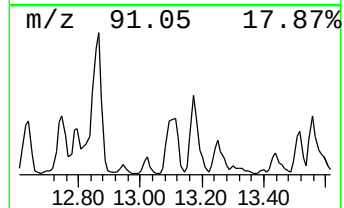
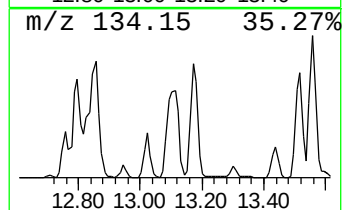
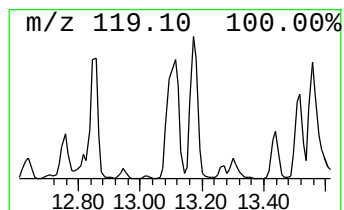
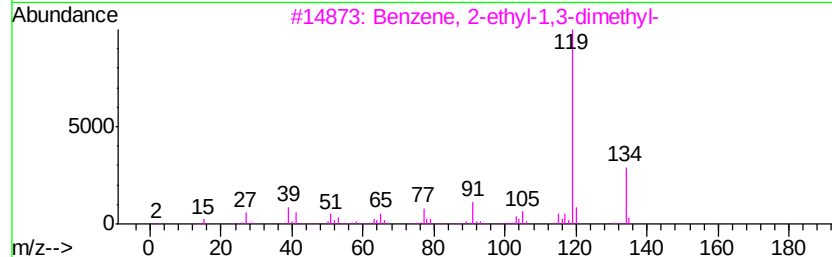
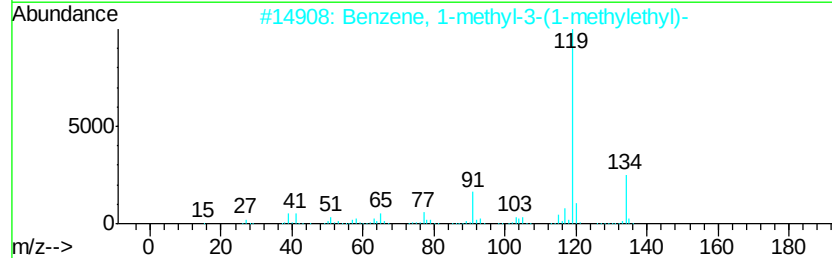
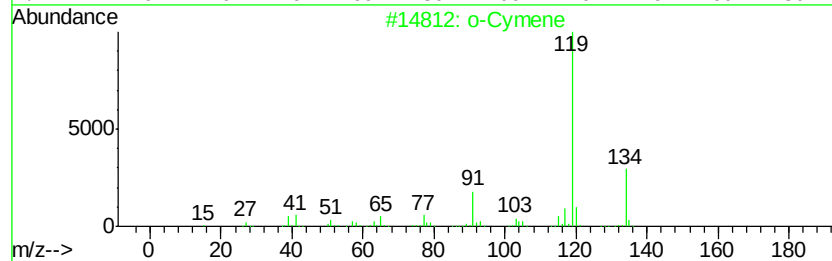
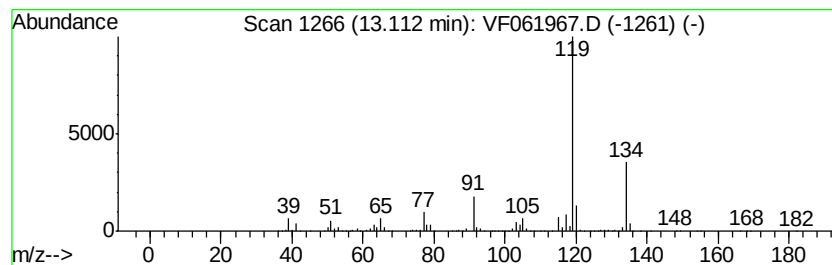
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Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	212.94 ug/l	13110700	1,4-Dichlorobenzene-d4	12.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
Data File : VF061967.D
Acq On : 15 Mar 2019 18:08
Operator : VA/AP
Sample : K1928-10
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SI-1(9-9.5)

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
Butane, 2-methyl-	1.37	367.0	ug/l	26543400	1	4.91	3616030	50.0
1-Propene, 2-meth...	1.49	247.7	ug/l	17916500	1	4.91	3616030	50.0
Pentane, 2-methyl-	2.06	924.7	ug/l	66876200	1	4.91	3616030	50.0
n-Hexane	2.45	444.5	ug/l	32146900	1	4.91	3616030	50.0
Cyclopentane, met...	3.02	882.1	ug/l	63792700	1	4.91	3616030	50.0
Heptane	4.77	491.9	ug/l	35571700	1	4.91	3616030	50.0
Benzene, 1-ethyl-...	11.75	587.5	ug/l	36168800	4	12.57	3078430	50.0
Benzene, 1,2,3-tr...	12.64	216.2	ug/l	13312200	4	12.57	3078430	50.0
o-Cymene	13.11	212.9	ug/l	13110700	4	12.57	3078430	50.0