

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061486.D
 Acq On : 23 Jan 2019 16:46
 Operator : VA/AP
 Sample : K1223-04
 Misc : 4.97µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-P

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\82F011519S.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	1.067	42	44	51	rBV3	7761	21880	2.77%	0.489%
2	1.748	110	113	116	rBV3	3803	8942	1.13%	0.200%
3	2.172	153	156	158	rBV2	8079	13689	1.73%	0.306%
4	2.231	158	162	169	rVB	17459	56351	7.14%	1.260%
5	4.007	336	342	344	rBV4	3817	10714	1.36%	0.240%
6	4.106	345	352	363	rVB2	114315	364016	46.10%	8.140%
7	4.323	363	374	381	rBV	39006	128058	16.22%	2.864%
8	4.855	418	428	439	rBV2	219299	789587	100.00%	17.657%
9	5.595	496	503	512	rBV	228618	635880	80.53%	14.220%
10	6.266	564	571	579	rVB4	6775	23975	3.04%	0.536%
11	6.434	579	588	598	rBV4	10879	53761	6.81%	1.202%
12	6.897	630	635	639	rVB2	5338	14333	1.82%	0.321%
13	7.134	654	659	666	rVB4	7351	22438	2.84%	0.502%
14	7.548	695	701	712	rBV	276774	625196	79.18%	13.981%
15	8.219	763	769	773	rBV3	4559	14676	1.86%	0.328%
16	9.501	893	899	903	rBV5	3180	9139	1.16%	0.204%
17	9.768	921	926	937	rBV	255963	539113	68.28%	12.056%
18	10.843	1031	1035	1039	rVB	18524	38959	4.93%	0.871%
19	11.405	1088	1092	1104	rBV	180209	318051	40.28%	7.112%
20	11.573	1104	1109	1114	rVB2	40476	73472	9.31%	1.643%
21	11.652	1114	1117	1122	rBV5	6493	13280	1.68%	0.297%
22	11.997	1147	1152	1156	rBV4	4364	10652	1.35%	0.238%
23	12.283	1177	1181	1187	rBV3	18967	37144	4.70%	0.831%
24	12.461	1193	1199	1204	rBV	21176	37451	4.74%	0.837%
25	12.549	1204	1208	1220	rVB	216175	360803	45.70%	8.068%
26	13.704	1320	1325	1327	rBV2	3658	8356	1.06%	0.187%
27	13.773	1327	1332	1338	rVV	43213	73611	9.32%	1.646%
28	13.871	1338	1342	1344	rVB4	4338	9175	1.16%	0.205%
29	14.424	1395	1398	1401	rBV2	45359	84176	10.66%	1.882%
30	14.591	1411	1415	1420	rBV5	3476	8534	1.08%	0.191%
31	15.736	1527	1531	1536	rVV2	24583	46829	5.93%	1.047%
32	15.854	1540	1543	1544	rVV3	4061	8055	1.02%	0.180%
33	15.884	1544	1546	1549	rVV4	5733	11474	1.45%	0.257%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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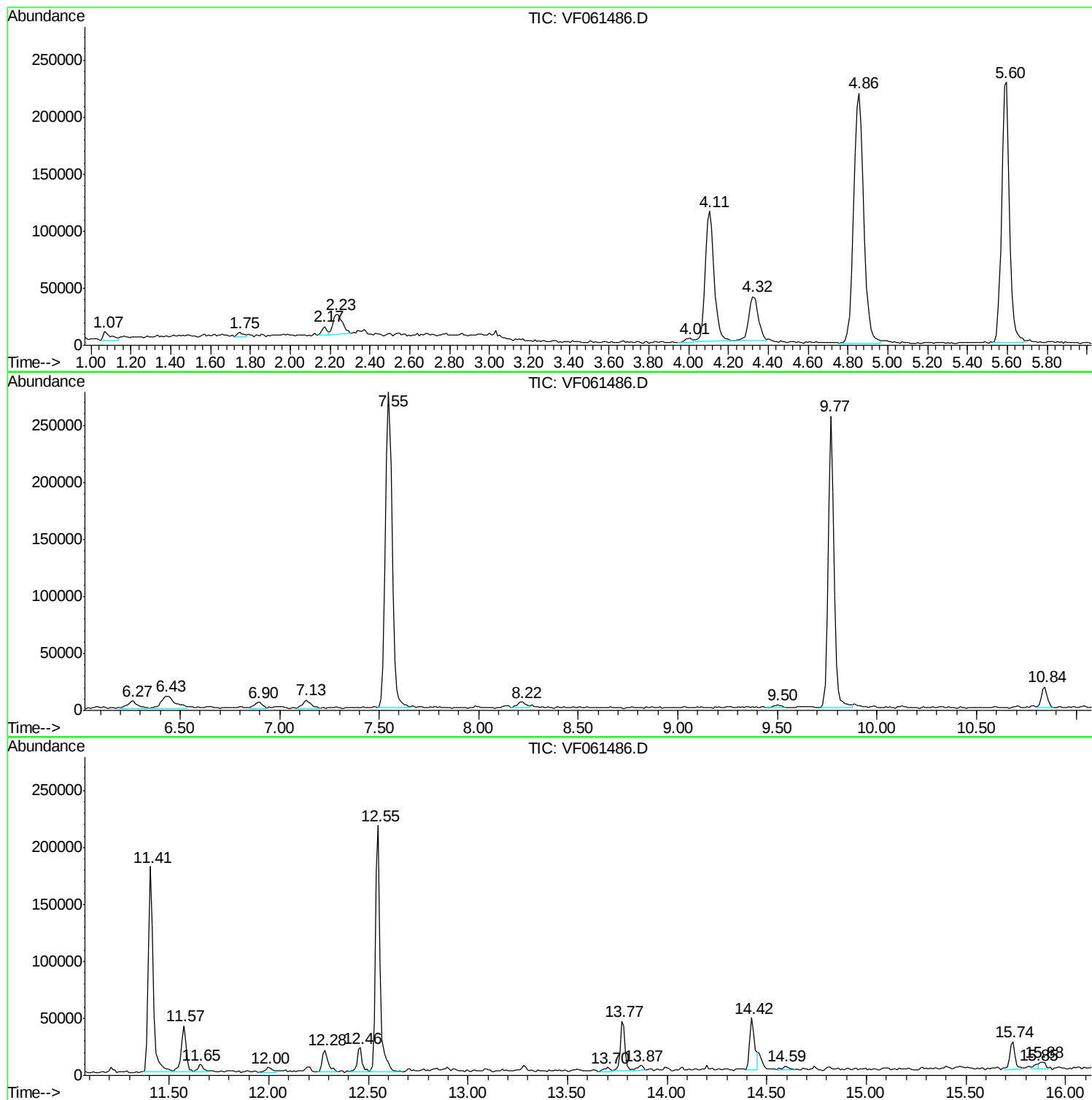
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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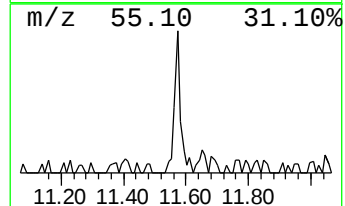
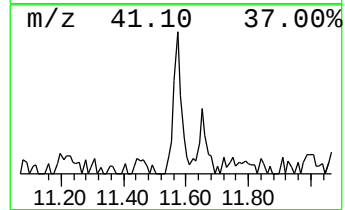
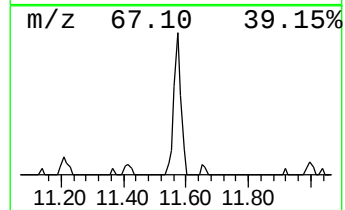
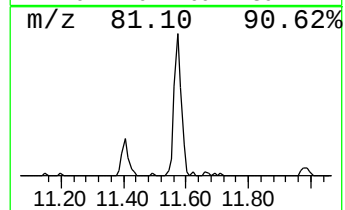
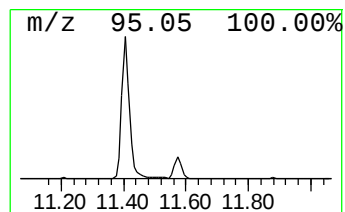
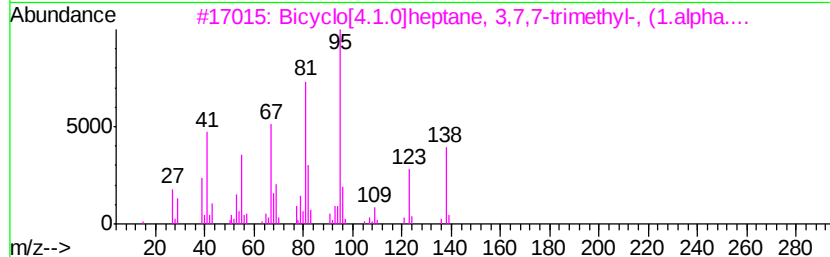
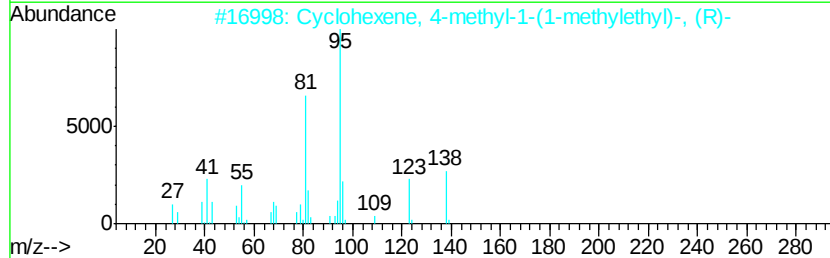
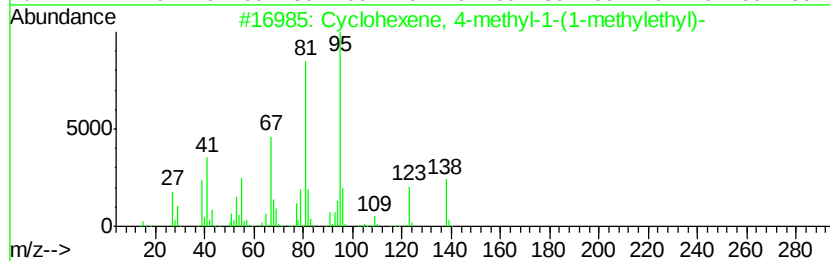
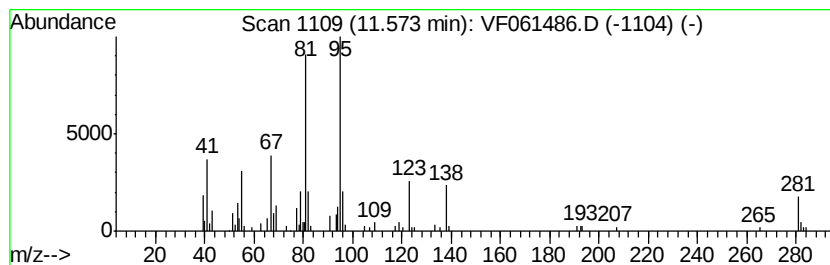
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Quant Title : SW846 8260

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

Peak Number 1 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	10.18 ug/l	73472	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-1-(1-methyl-...	138	C10H18	000500-00-5	94
2		Cyclohexene, 4-methyl-1-(1-methyl-...	138	C10H18	000619-52-3	90
3		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	83
4		4-Acetyl-1-methylcyclohexene	138	C9H14O	006090-09-1	60
5		Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	60



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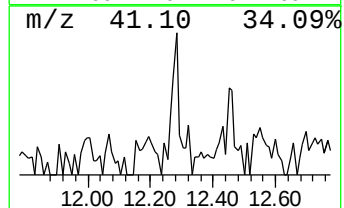
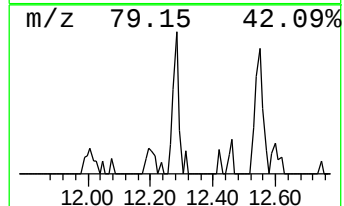
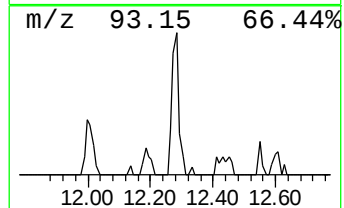
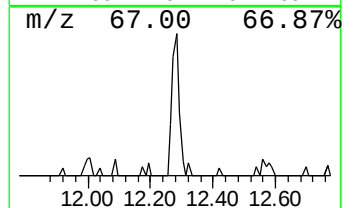
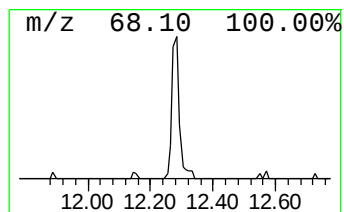
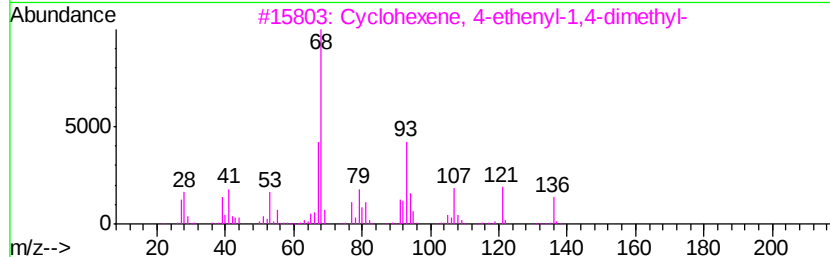
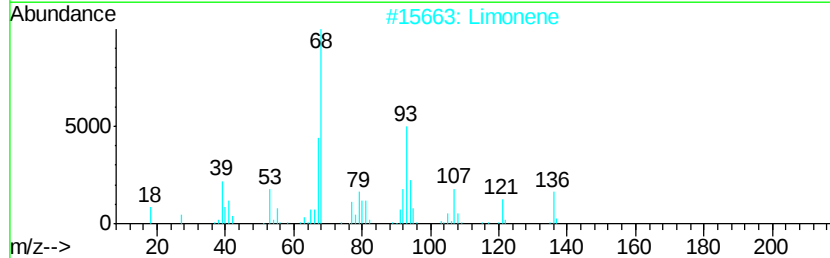
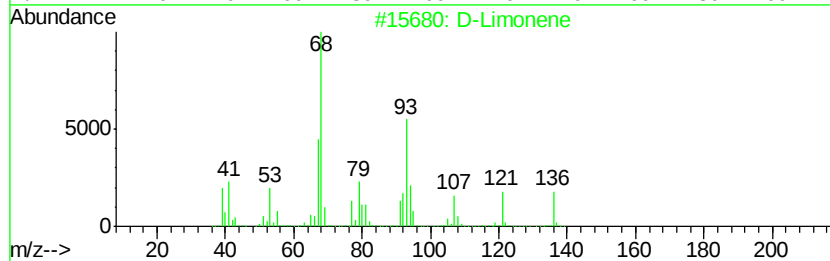
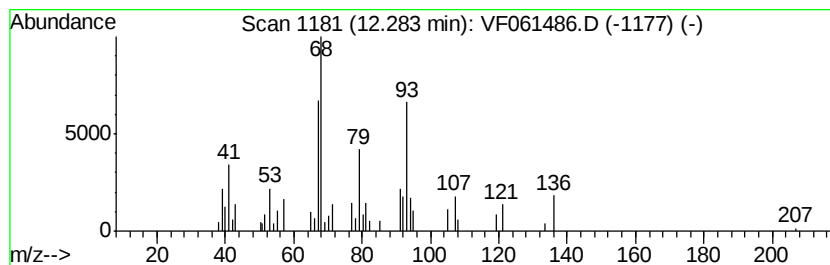
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Quant Title : SW846 8260

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

Peak Number 2 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	5.15 ug/l	37144	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	93
2		Limonene	136	C10H16	000138-86-3	91
3		Cyclohexene, 4-ethenyl-1,4-dimethyl-	136	C10H16	001743-61-9	87
4		Cyclohexene, 1-methyl-5-(1-methyl-2-propenyl)-	136	C10H16	001461-27-4	83
5		1,5-Cyclooctadiene, 1,6-dimethyl-	136	C10H16	003760-13-2	76



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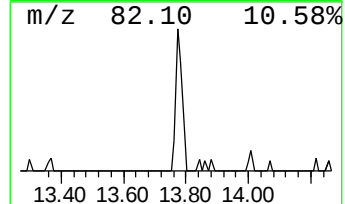
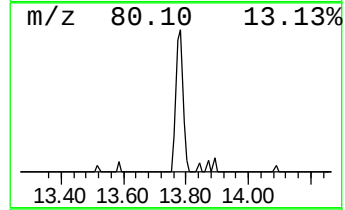
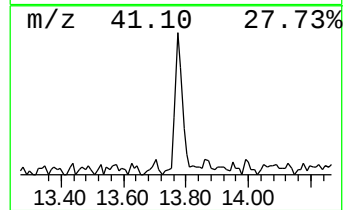
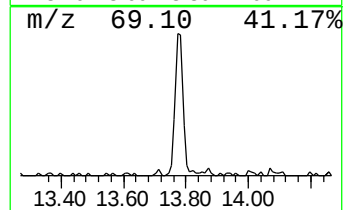
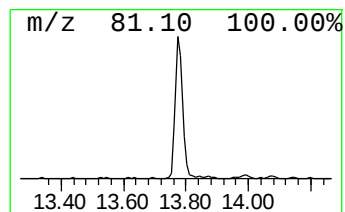
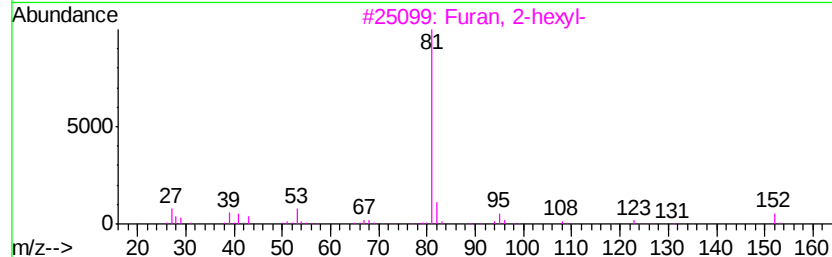
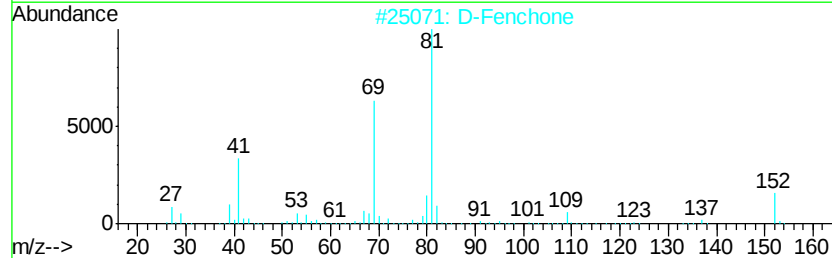
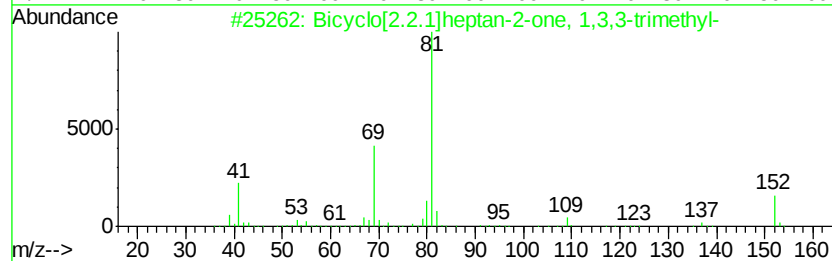
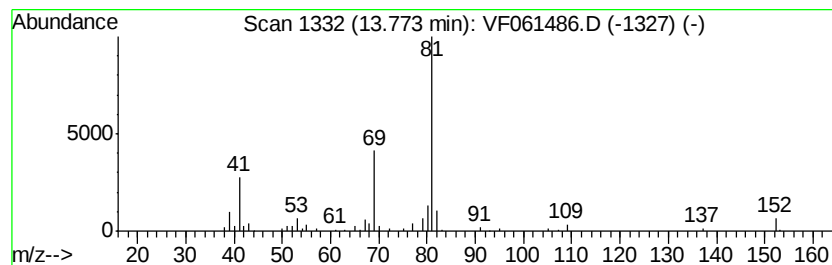
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	10.20 ug/l	73611	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90
2		D-Fenchone	152	C10H16O	004695-62-9	86
3		Furan, 2-hexyl-	152	C10H16O	003777-70-6	42
4		L-Fenchone	152	C10H16O	007787-20-4	42
5		1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3N02	1000301-43-3	38



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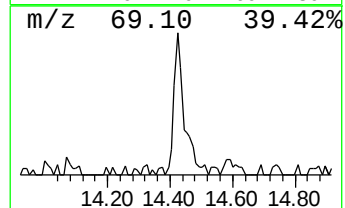
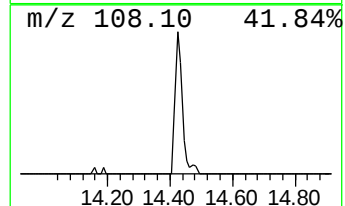
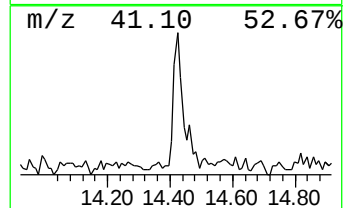
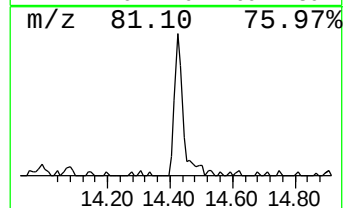
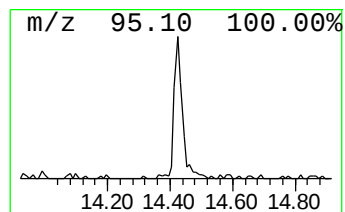
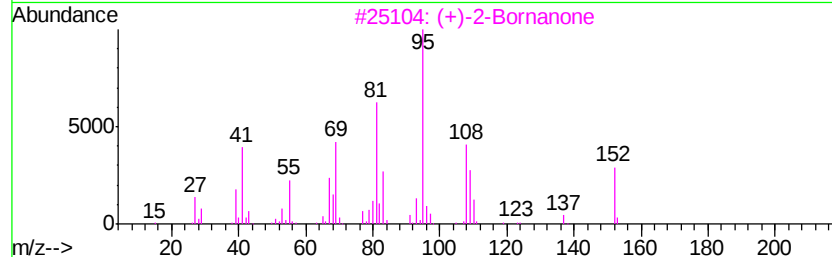
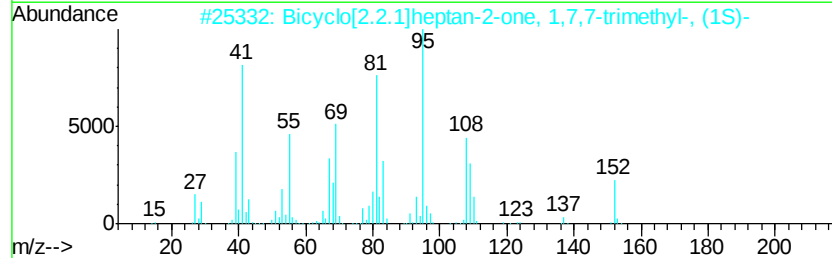
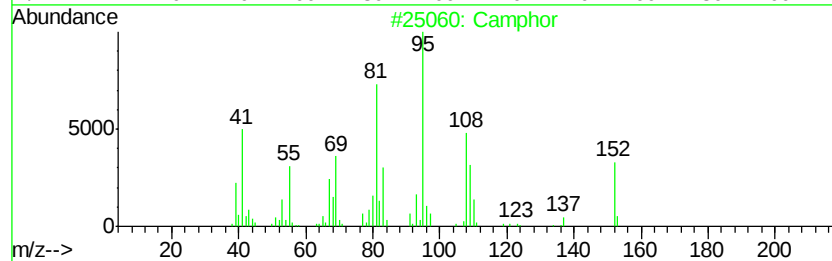
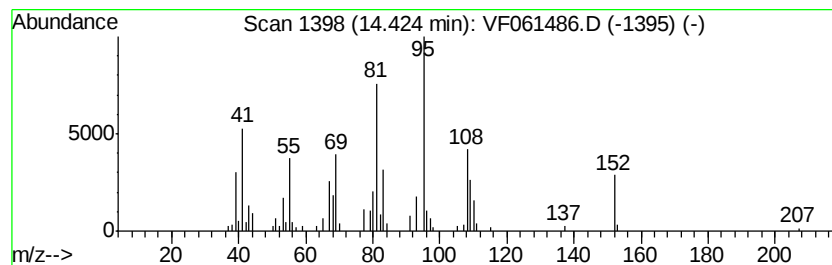
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Peak Number 4 Camphor Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	11.67 ug/l	84176	1,4-Dichlorobenzene-d4	12.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Camphor		152 C10H16O	000076-22-2 95
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...		152 C10H16O	000464-48-2 94
3	(+)-2-Bornanone		152 C10H16O	000464-49-3 94
4	1-Methylbicyclo[2.2.1]heptan-exo...		126 C8H14O	1000138-89-9 35
5	Cyclohexanone, 5-methyl-2-(1-met...		152 C10H16O	015932-80-6 30



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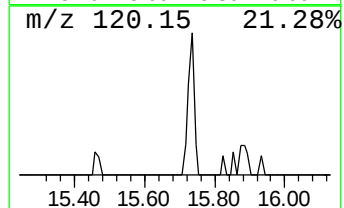
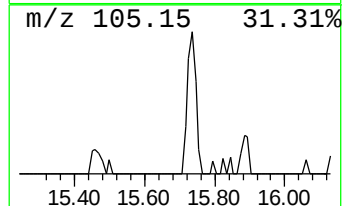
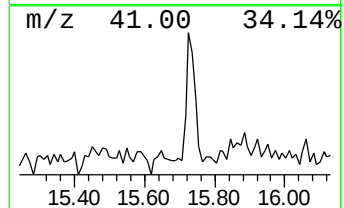
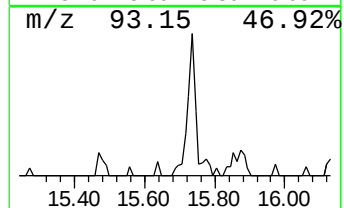
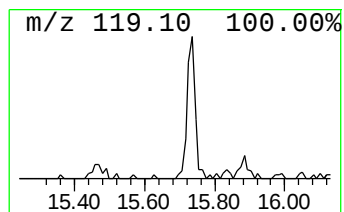
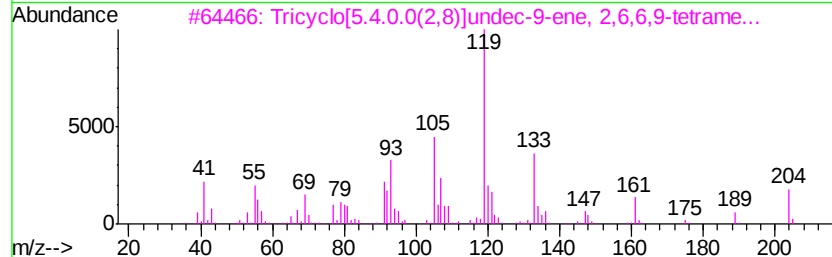
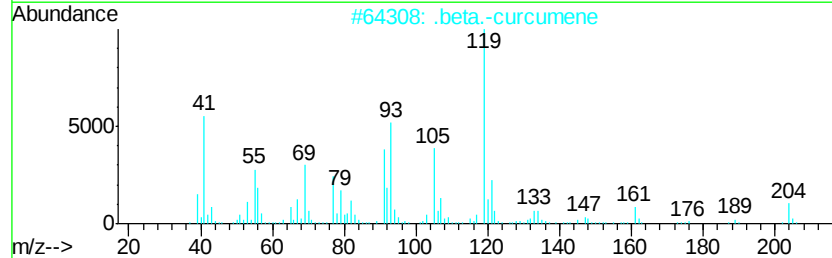
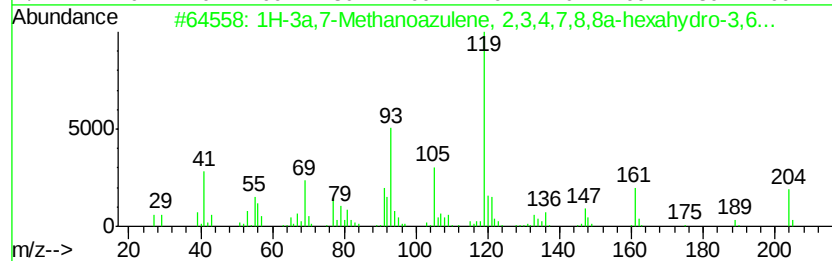
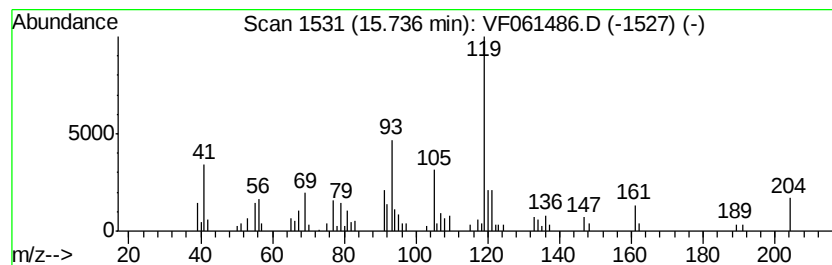
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1H-3a,7-Methanoazulene, 2,3... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	6.49 ug/l	46829	1,4-Dichlorobenzene-d4	12.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-3a,7-Methanoazulene, 2,3,4,7,...	204	C15H24	000469-61-4	96
2		.beta.-curcumene	204	C15H24	1000374-17-4	89
3		Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	59
4		Bicyclo[3.1.1]hept-2-en-4-ol, 2,...	194	C12H18O2	1000195-66-0	47
5		Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061486.D
Acq On : 23 Jan 2019 16:46
Operator : VA/AP
Sample : K1223-04
Misc : 4.97g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TS-P

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.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
Cyclohexene, 4-me...	11.57	10.2	ug/l	73472	4	12.55	360803	50.0
D-Limonene	12.28	5.2	ug/l	37144	4	12.55	360803	50.0
Bicyclo[2.2.1]hep...	13.77	10.2	ug/l	73611	4	12.55	360803	50.0
Camphor	14.42	11.7	ug/l	84176	4	12.55	360803	50.0
1H-3a,7-Methanoaz...	15.74	6.5	ug/l	46829	4	12.55	360803	50.0