

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061487.D
 Acq On : 23 Jan 2019 17:14
 Operator : VA/AP
 Sample : K1223-05
 Misc : 4.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-Q

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	1.072	43	45	50	rBV4	6963	17158	2.41%	0.389%
2	2.177	152	157	159	rBV4	6121	14434	2.03%	0.327%
3	2.236	159	163	171	rVB	18806	57972	8.14%	1.314%
4	3.035	243	244	249	rVB	9258	10248	1.44%	0.232%
5	4.101	346	352	365	rVV	107115	346366	48.66%	7.848%
6	4.318	368	374	384	rVV2	43204	139876	19.65%	3.169%
7	4.860	420	429	443	rBV2	188607	711798	100.00%	16.129%
8	5.590	496	503	520	rBV	219649	594934	83.58%	13.481%
9	6.261	565	571	576	rBV4	5898	17590	2.47%	0.399%
10	6.419	582	587	600	rBV6	7249	35698	5.02%	0.809%
11	6.882	629	634	641	rVV3	5974	18533	2.60%	0.420%
12	7.139	654	660	668	rVB5	5128	15485	2.18%	0.351%
13	7.543	695	701	712	rBV	266112	646595	90.84%	14.651%
14	8.204	765	768	776	rVB4	3658	14684	2.06%	0.333%
15	9.773	921	927	936	rBV	207036	482790	67.83%	10.940%
16	10.838	1031	1035	1041	rBV	22422	44671	6.28%	1.012%
17	11.213	1069	1073	1076	rBV3	5400	11074	1.56%	0.251%
18	11.410	1089	1093	1103	rBV	159217	299814	42.12%	6.793%
19	11.568	1103	1109	1114	rVV2	46524	88772	12.47%	2.011%
20	11.657	1114	1118	1122	rVV4	7427	15075	2.12%	0.342%
21	11.706	1122	1123	1127	rVB	10742	11629	1.63%	0.264%
22	11.765	1127	1129	1131	rBV	36387	24239	3.41%	0.549%
23	12.002	1149	1153	1156	rBV5	5184	10250	1.44%	0.232%
24	12.081	1156	1161	1165	rVV3	3928	7621	1.07%	0.173%
25	12.189	1169	1172	1178	rVV5	4894	10890	1.53%	0.247%
26	12.278	1178	1181	1189	rVV3	25166	46763	6.57%	1.060%
27	12.456	1193	1199	1203	rVV	29408	46656	6.55%	1.057%
28	12.544	1205	1208	1218	rVV	206167	328338	46.13%	7.440%
29	12.712	1222	1225	1231	rVV6	2415	7821	1.10%	0.177%
30	13.274	1280	1282	1287	rVB3	5158	9589	1.35%	0.217%
31	13.699	1319	1325	1327	rBV4	3838	8256	1.16%	0.187%
32	13.777	1327	1333	1338	rVV	53669	90005	12.64%	2.039%
33	13.876	1340	1343	1346	rVV3	5850	10883	1.53%	0.247%
34	14.083	1360	1364	1366	rVB4	3335	7121	1.00%	0.161%

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Integrator: RTE
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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35	14.429	1395	1399	1408	rVV3	52622	120399	16.91%	2.728%
36	14.596	1412	1416	1421	rVB5	3920	9976	1.40%	0.226%
37	14.803	1434	1437	1444	rVB4	3719	10655	1.50%	0.241%
38	15.731	1527	1531	1536	rVV3	27532	51551	7.24%	1.168%
39	15.888	1542	1547	1549	rVV2	7545	17061	2.40%	0.387%

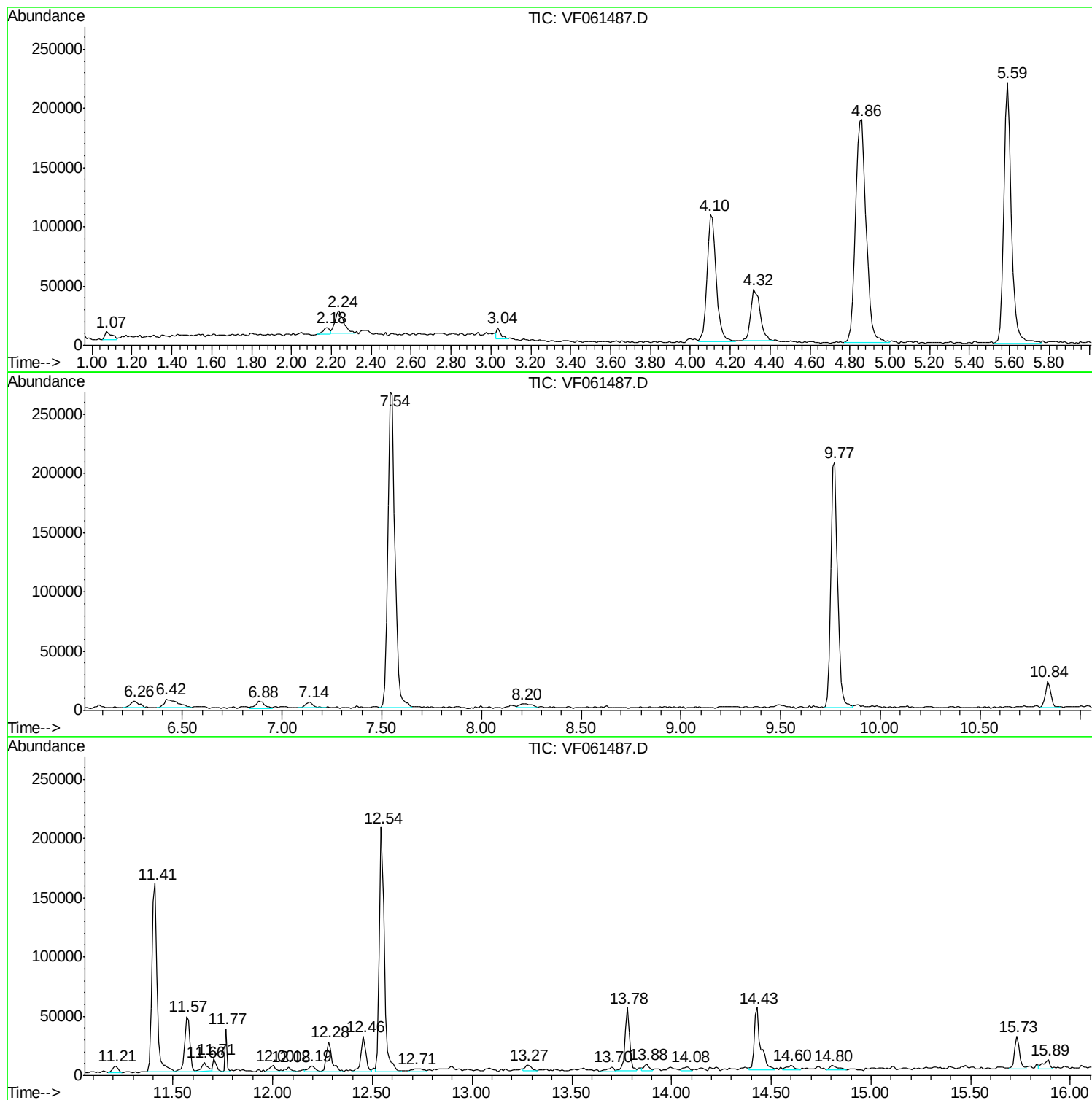
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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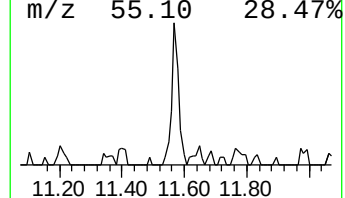
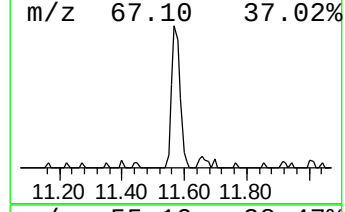
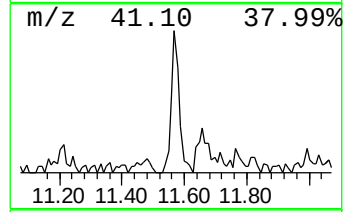
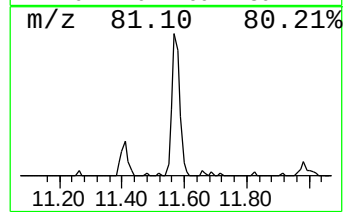
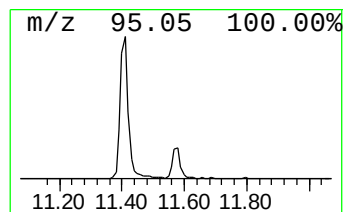
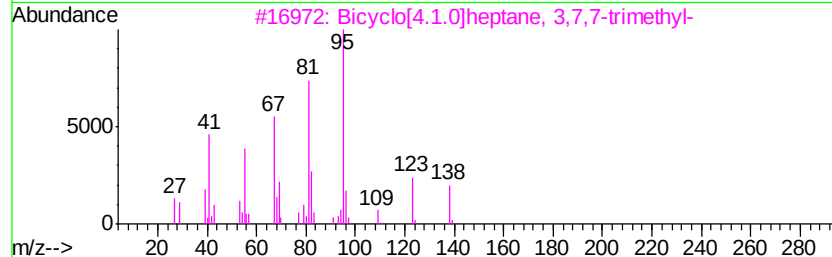
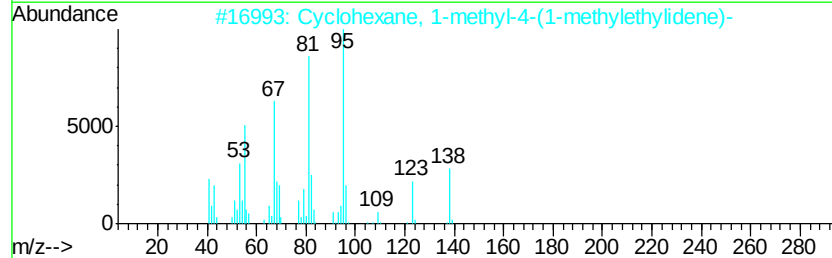
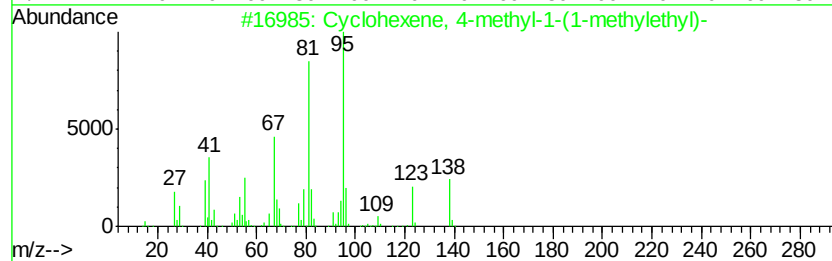
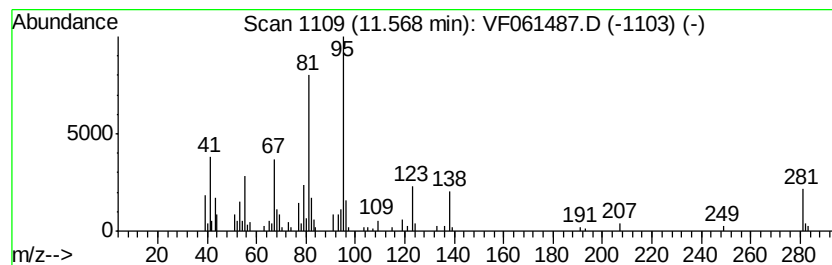
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260

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	13.52 ug/l	88772	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methyl-1-(1-methyl-1-ethoxy-2-propyl)-	138	C10H18	000500-00-5	97
2		Cyclohexane, 1-methyl-4-(1-methyl-1-ethoxy-2-propyl)-	138	C10H18	001124-27-2	87
3		Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	138	C10H18	000554-59-6	83
4		Cyclohexene, 4-methyl-1-(1-methyl-1-ethoxy-2-propyl)-	138	C10H18	000619-52-3	55
5		Cyclohexene, 1-methyl-4-(1-methyl-1-ethoxy-2-propyl)-	138	C10H18	005502-88-5	55



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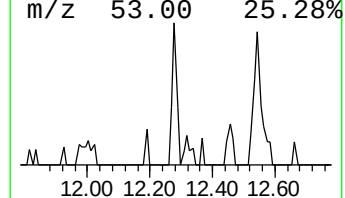
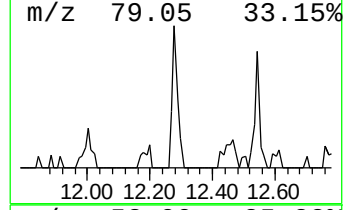
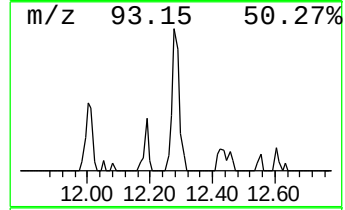
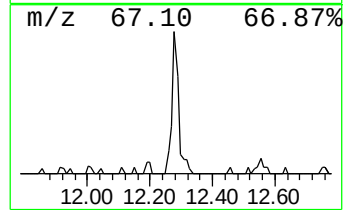
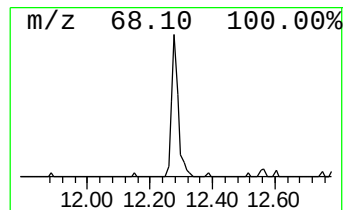
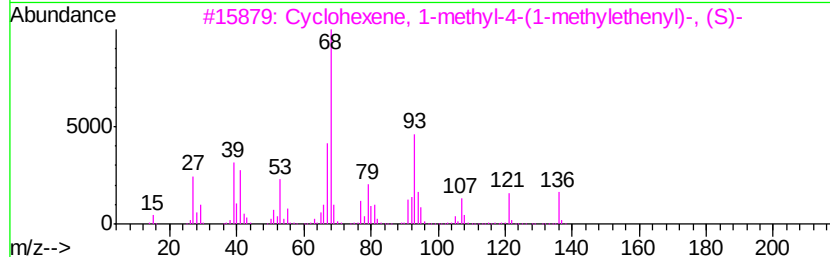
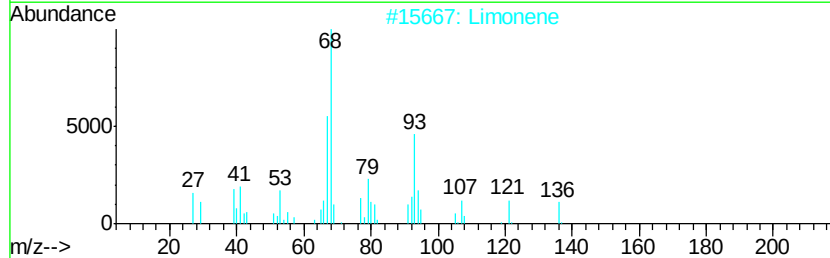
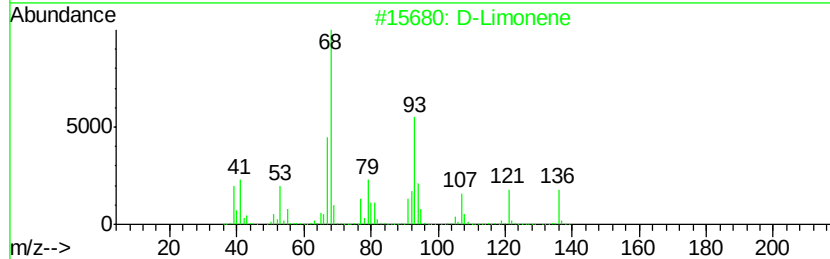
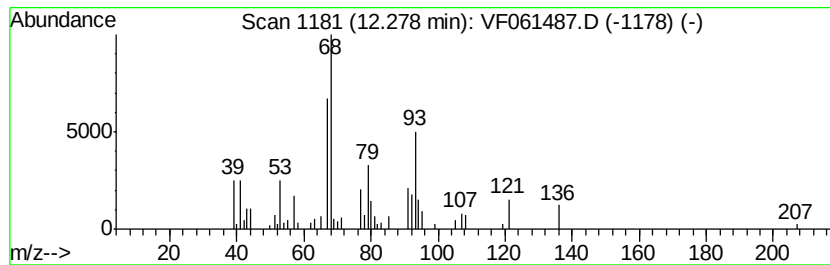
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	7.12 ug/l	46763	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	D-Limonene	136 C10H16	005989-27-5	91
2	Limonene	136 C10H16	000138-86-3	83
3	Cyclohexene, 1-methyl-4-(1-methyl-4-methylethenyl)-, (S)-	136 C10H16	005989-54-8	80
4	Cyclohexene, 1-methyl-5-(1-methyl-4-methylethenyl)-, (S)-	136 C10H16	013898-73-2	76
5	Cyclohexene, 4-ethenyl-1,4-dimethyl-2-methylcyclohexene	136 C10H16	001743-61-9	74



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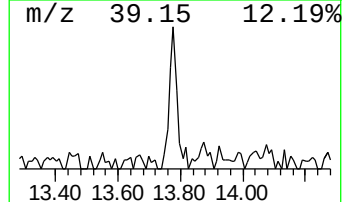
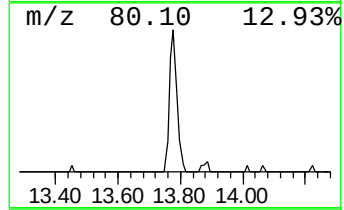
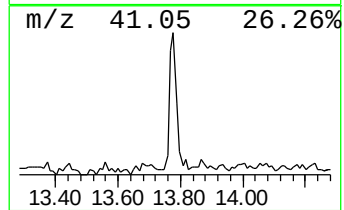
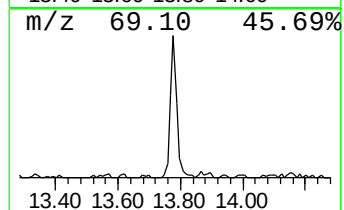
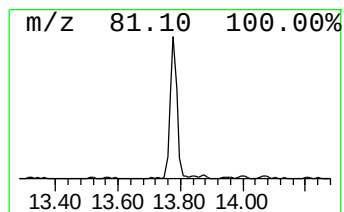
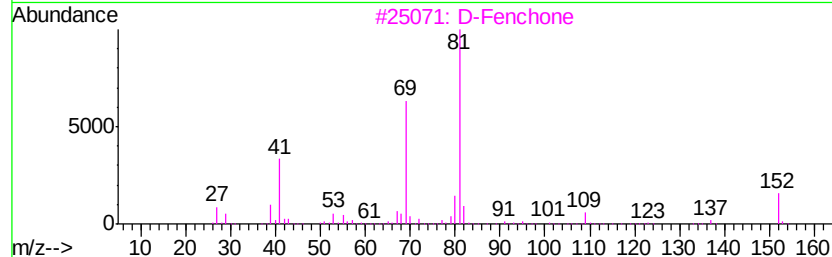
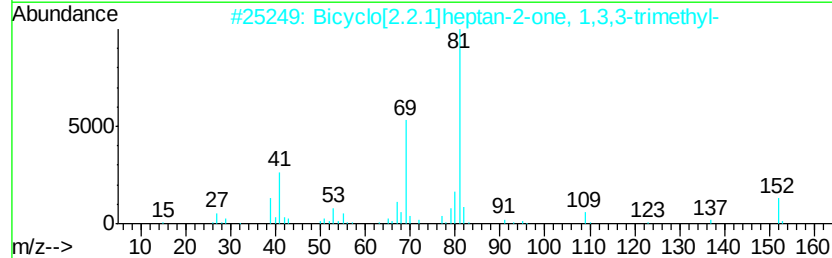
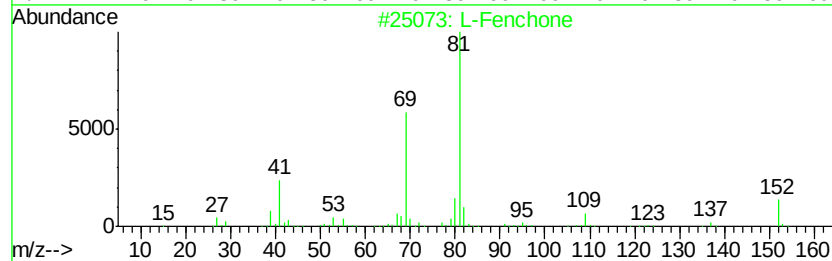
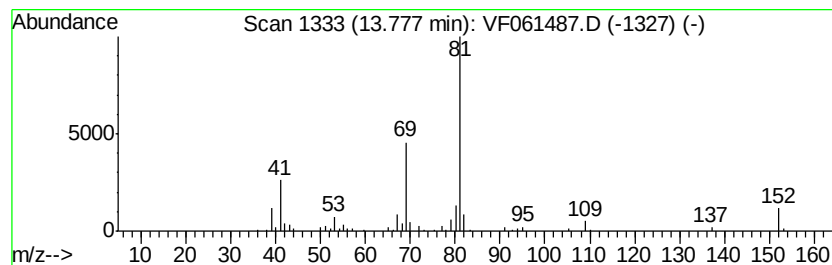
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 L-Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	13.71 ug/l	90005	1,4-Dichlorobenzene-d4	12.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	L-Fenchone	152	C10H16O	007787-20-4	95
2		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
3		D-Fenchone	152	C10H16O	004695-62-9	91
4		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	45
5		2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	42



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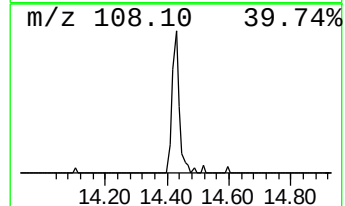
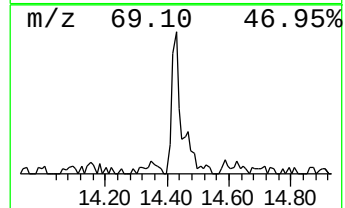
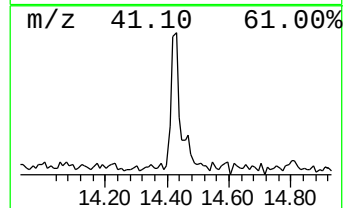
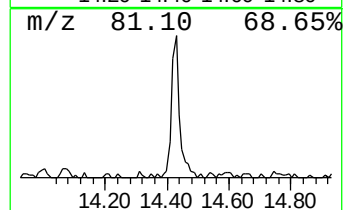
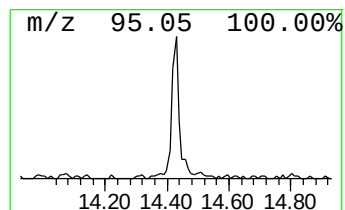
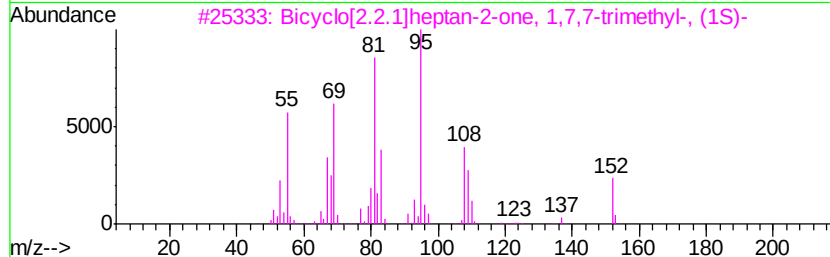
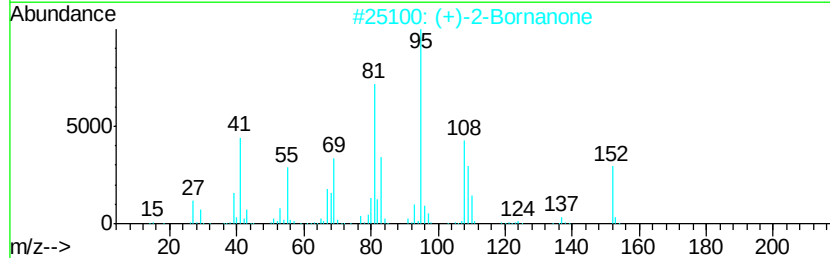
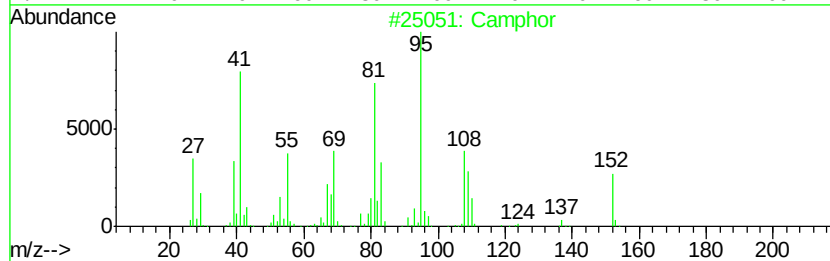
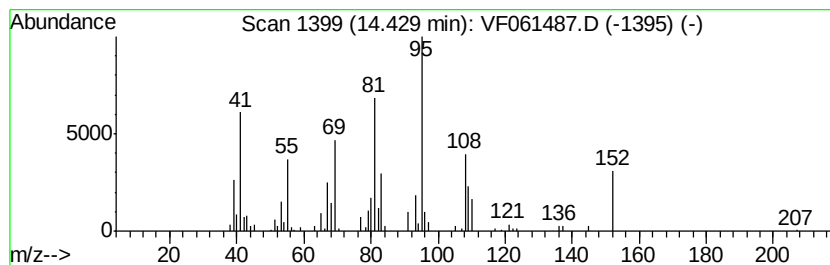
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Peak Number 4 Camphor Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	18.33 ug/l	120399	1,4-Dichlorobenzene-d4	12.54
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Camphor	152 C10H16O	000076-22-2	96
2	(+)-2-Bornanone	152 C10H16O	000464-49-3	95
3	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S)-	152 C10H16O	000464-48-2	94
4	2-Butanone, 4-(5-methyl-2-furanyl)-	152 C9H12O2	013679-56-6	49
5	Diisopropylaminoacrylonitrile	152 C9H16N2	038691-28-0	43



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TIC Library : C:\DATABASE\NIST11.L
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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexene, 4-me...	11.57	13.5	ug/l	88772	4	12.54	328338	50.0
D-Limonene	12.28	7.1	ug/l	46763	4	12.54	328338	50.0
L-Fenchone	13.78	13.7	ug/l	90005	4	12.54	328338	50.0
Camphor	14.43	18.3	ug/l	120399	4	12.54	328338	50.0
Bicyclo[3.1.1]hep...	15.73	7.8	ug/l	51551	4	12.54	328338	50.0