

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022219\
 Data File : VV009335.D
 Acq On : 22 Feb 2019 18:06
 Operator : SY/MD
 Sample : K1579-05
 Misc : 7.41G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB602

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % 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_V\METHOD\SOM2VLM022019S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.316	64	70	82	rVB	74043	80955	19.39%	2.458%
2	1.579	147	152	162	rBV	92103	104732	25.08%	3.179%
3	2.123	313	321	332	rVB	170497	238638	57.15%	7.245%
4	2.344	388	390	394	rVB3	645	322	0.08%	0.010%
5	2.467	426	428	430	rBV2	600	390	0.09%	0.012%
6	2.534	442	449	458	rVV7	2685	4859	1.16%	0.148%
7	2.695	495	499	503	rBV2	291	213	0.05%	0.006%
8	2.737	509	512	514	rBV	319	251	0.06%	0.008%
9	2.772	520	523	525	rBV	488	311	0.07%	0.009%
10	2.872	553	554	559	rVB	314	199	0.05%	0.006%
11	3.071	602	616	626	rBV4	5272	9968	2.39%	0.303%
12	3.502	745	750	751	rBV	286	194	0.05%	0.006%
13	3.595	777	779	783	rBV2	241	206	0.05%	0.006%
14	3.820	844	849	852	rBV2	294	260	0.06%	0.008%
15	3.955	879	891	913	rBV2	13548	43296	10.37%	1.314%
16	4.164	955	956	959	rBV2	398	218	0.05%	0.007%
17	4.254	981	984	986	rBV2	410	213	0.05%	0.006%
18	4.325	1004	1006	1012	rBV2	228	228	0.05%	0.007%
19	4.399	1013	1029	1050	rVV	69837	166211	39.81%	5.046%
20	4.537	1071	1072	1076	rVB	457	202	0.05%	0.006%
21	4.557	1077	1078	1082	rVB	276	191	0.05%	0.006%
22	4.582	1082	1086	1090	rBV	306	260	0.06%	0.008%
23	4.798	1146	1153	1156	rBV2	320	274	0.07%	0.008%
24	5.094	1227	1245	1264	rBV3	168636	417544	100.00%	12.676%
25	5.405	1340	1342	1346	rVB2	439	347	0.08%	0.011%
26	5.431	1346	1350	1352	rBV	284	250	0.06%	0.008%
27	5.512	1370	1375	1377	rBV2	531	391	0.09%	0.012%
28	5.573	1391	1394	1396	rBV2	346	215	0.05%	0.007%
29	5.663	1407	1422	1443	rBV	144589	288158	69.01%	8.748%
30	6.045	1539	1541	1545	rVB	392	189	0.05%	0.006%
31	6.119	1550	1564	1581	rBV	95218	192441	46.09%	5.842%
32	6.309	1617	1623	1626	rBV3	400	303	0.07%	0.009%
33	6.373	1638	1643	1646	rBV	263	241	0.06%	0.007%
34	6.444	1661	1665	1669	rBV2	328	268	0.06%	0.008%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Title : VOC Analysis

35	6.569	1701	1704	1708	rVB	251	199	0.05%	0.006%
36	6.682	1737	1739	1743	rBV	472	224	0.05%	0.007%
37	6.733	1748	1755	1757	rBV4	1165	1265	0.30%	0.038%
38	6.788	1770	1772	1776	rVB	560	242	0.06%	0.007%
39	6.807	1776	1778	1781	rBV	337	214	0.05%	0.006%
40	6.836	1783	1787	1791	rVB2	314	233	0.06%	0.007%
41	6.859	1791	1794	1800	rVB2	375	248	0.06%	0.008%
42	6.917	1807	1812	1816	rBV3	465	392	0.09%	0.012%
43	6.962	1822	1826	1829	rVV2	373	267	0.06%	0.008%
44	7.029	1835	1847	1867	rBV2	52702	96264	23.05%	2.922%
45	7.174	1886	1892	1896	rBV3	404	456	0.11%	0.014%
46	7.293	1926	1929	1931	rBV2	385	255	0.06%	0.008%
47	7.315	1931	1936	1937	rVV2	434	337	0.08%	0.010%
48	7.360	1937	1950	1978	rVV	194941	346775	83.05%	10.527%
49	7.601	2022	2025	2028	rVV2	309	203	0.05%	0.006%
50	7.663	2034	2044	2062	rBV2	31928	56183	13.46%	1.706%
51	7.746	2067	2070	2072	rBV3	380	194	0.05%	0.006%
52	7.788	2077	2083	2084	rBV2	465	366	0.09%	0.011%
53	7.974	2138	2141	2142	rBV	332	199	0.05%	0.006%
54	8.023	2153	2156	2159	rBV2	373	298	0.07%	0.009%
55	8.087	2171	2176	2179	rVB	309	211	0.05%	0.006%
56	8.142	2179	2193	2216	rBV3	58835	119440	28.61%	3.626%
57	8.447	2284	2288	2291	rBV3	371	281	0.07%	0.009%
58	8.476	2294	2297	2301	rBV2	330	292	0.07%	0.009%
59	8.547	2316	2319	2324	rVB2	501	288	0.07%	0.009%
60	8.605	2329	2337	2338	rBV2	421	376	0.09%	0.011%
61	8.701	2365	2367	2371	rVB3	511	341	0.08%	0.010%
62	8.794	2393	2396	2404	rVB4	494	562	0.13%	0.017%
63	8.833	2404	2408	2411	rBV2	410	302	0.07%	0.009%
64	8.897	2415	2428	2450	rBV	204183	343520	82.27%	10.429%
65	9.068	2480	2481	2489	rBV2	234	187	0.04%	0.006%
66	9.109	2492	2494	2497	rBV2	478	309	0.07%	0.009%
67	9.190	2512	2519	2528	rVB4	1534	2390	0.57%	0.073%
68	9.261	2538	2541	2546	rVB3	407	311	0.07%	0.009%
69	9.376	2574	2577	2582	rVB	339	229	0.05%	0.007%
70	9.408	2582	2587	2590	rBV	491	344	0.08%	0.010%
71	9.437	2592	2596	2600	rBV2	342	197	0.05%	0.006%

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72	9.498	2611	2615	2617	rBV	530	405	0.10%	0.012%
73	9.518	2617	2621	2626	rVB4	1163	1123	0.27%	0.034%
74	9.553	2630	2632	2637	rVB2	357	225	0.05%	0.007%
75	9.585	2639	2642	2644	rBV3	1000	589	0.14%	0.018%
76	9.646	2658	2661	2664	rVB	345	202	0.05%	0.006%
77	9.675	2664	2670	2673	rBV3	790	926	0.22%	0.028%
78	9.714	2677	2682	2685	rBV2	744	618	0.15%	0.019%
79	9.756	2690	2695	2703	rVB5	1944	2482	0.59%	0.075%
80	9.794	2703	2707	2708	rBV3	451	222	0.05%	0.007%
81	9.810	2708	2712	2716	rBV4	710	593	0.14%	0.018%
82	9.833	2716	2719	2720	rBV	1161	653	0.16%	0.020%
83	9.952	2746	2756	2767	rVB3	6115	10199	2.44%	0.310%
84	10.113	2803	2806	2807	rBV2	557	262	0.06%	0.008%
85	10.167	2819	2823	2828	rBV6	1442	1608	0.39%	0.049%
86	10.264	2838	2853	2870	rVB	89505	147517	35.33%	4.478%
87	10.338	2872	2876	2878	rBV4	619	461	0.11%	0.014%
88	10.441	2897	2908	2913	rVV9	2448	4158	1.00%	0.126%
89	10.498	2917	2926	2939	rVB5	10891	18665	4.47%	0.567%
90	10.704	2987	2990	2991	rBV	698	440	0.11%	0.013%
91	11.035	3091	3093	3096	rVB2	557	283	0.07%	0.009%
92	11.068	3096	3103	3104	rBV5	1706	1708	0.41%	0.052%
93	11.296	3163	3174	3191	rVB	169637	269873	64.63%	8.193%
94	11.579	3255	3262	3271	rBV2	7470	10628	2.55%	0.323%
95	11.672	3280	3291	3308	rVB	147975	238229	57.05%	7.232%
96	12.222	3457	3462	3464	rBV2	1182	1094	0.26%	0.033%
97	12.415	3514	3522	3527	rBV6	3115	4713	1.13%	0.143%
98	12.518	3549	3554	3559	rBV7	3218	3384	0.81%	0.103%
99	12.772	3626	3633	3644	rVB2	10697	15527	3.72%	0.471%
100	12.932	3675	3683	3696	rBV3	19511	29919	7.17%	0.908%

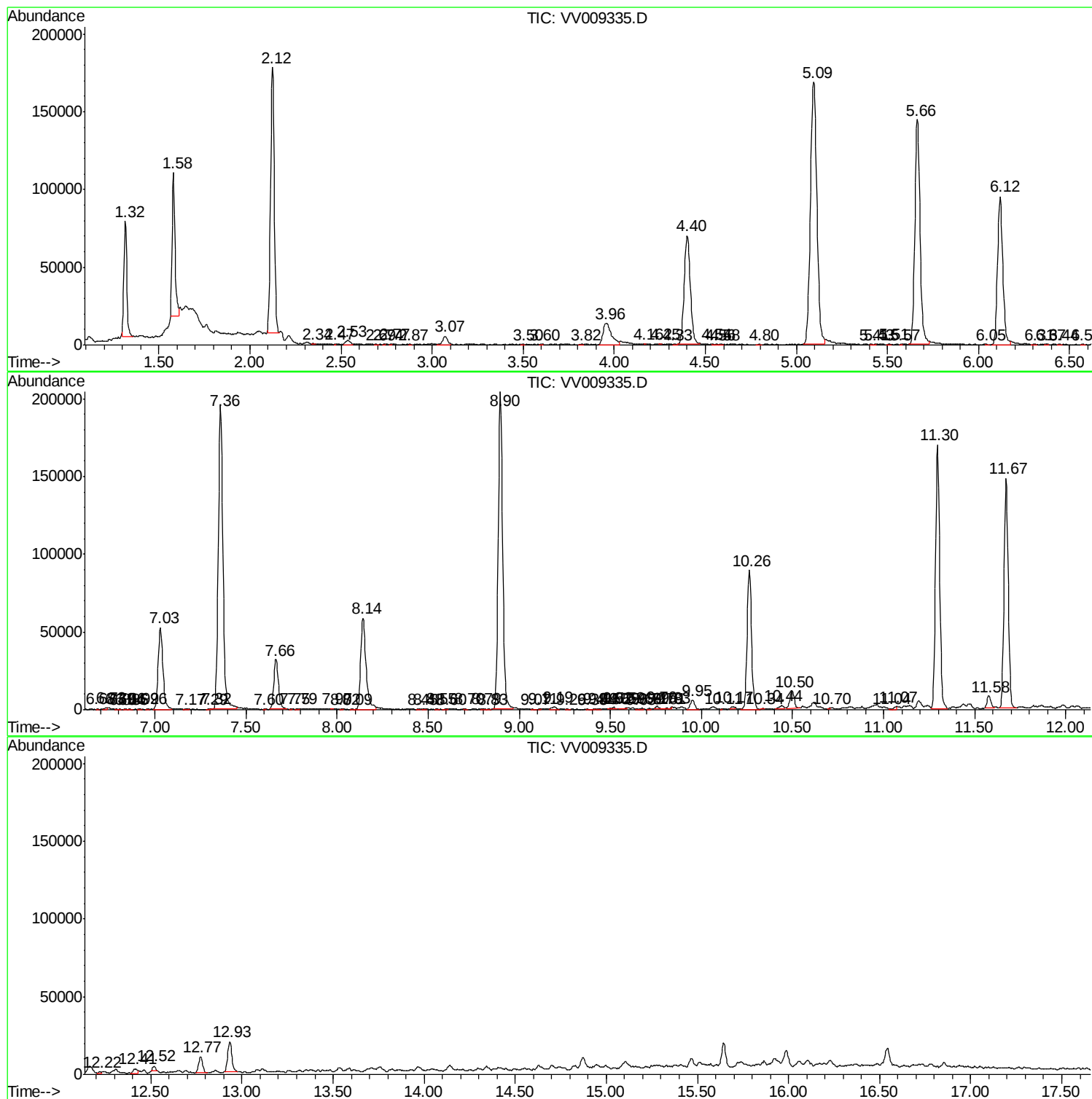
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis

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



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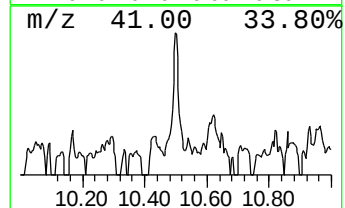
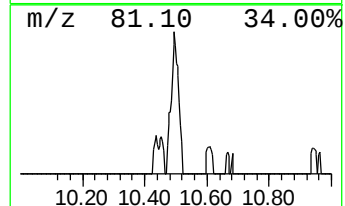
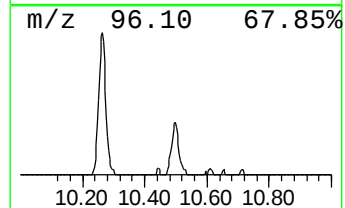
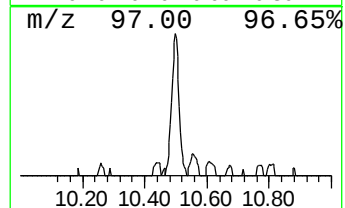
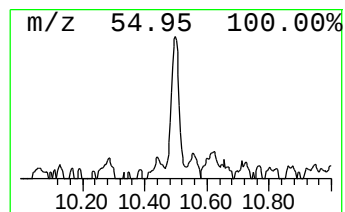
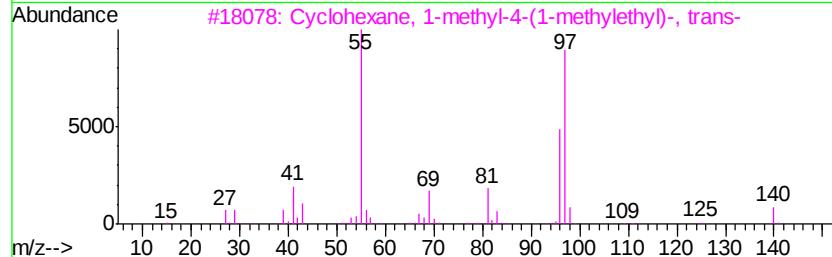
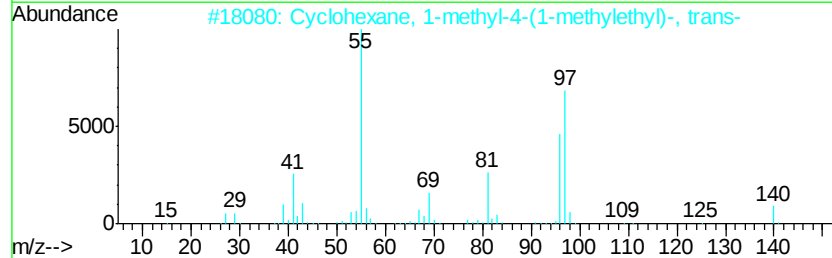
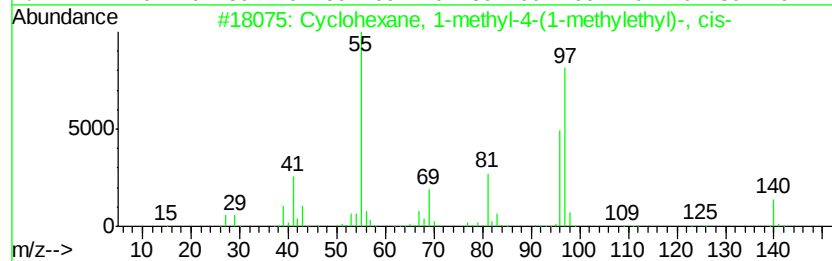
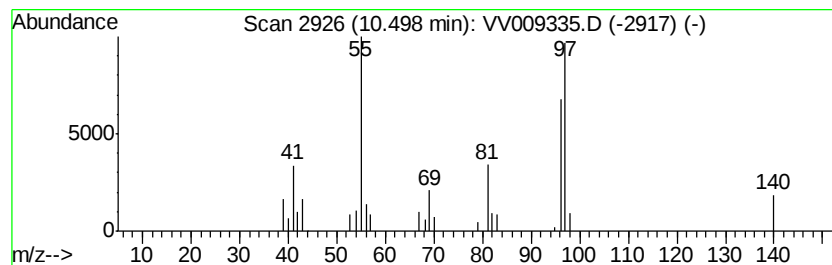
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic10.50 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.73 ug/L	18665	1,4-Dichlorobenzene-d4	11.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	95
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	93
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	90
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	90
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	87



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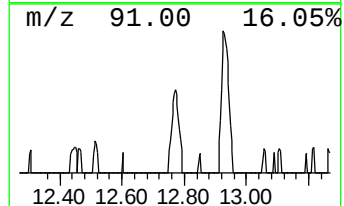
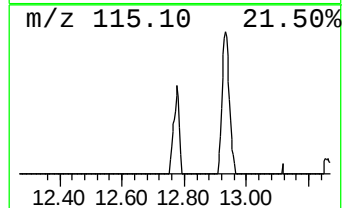
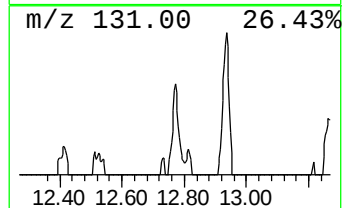
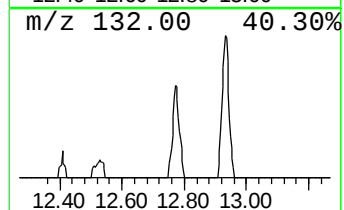
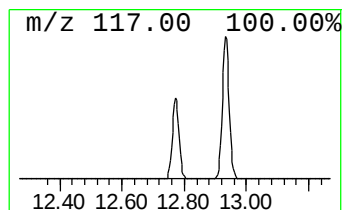
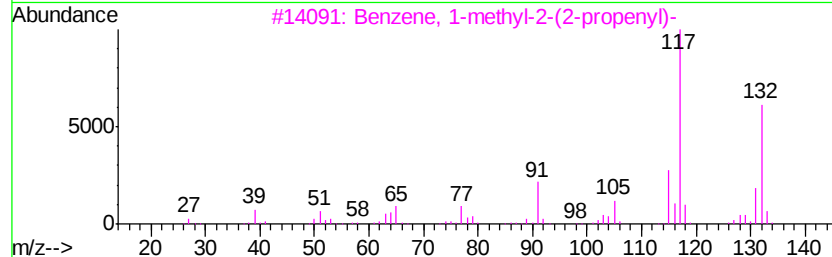
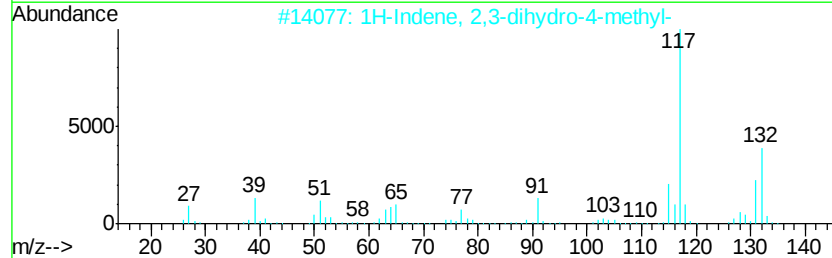
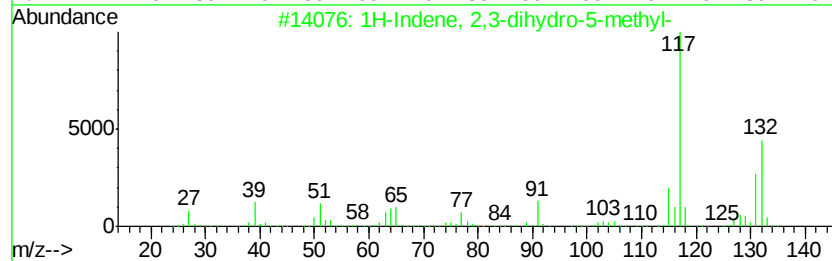
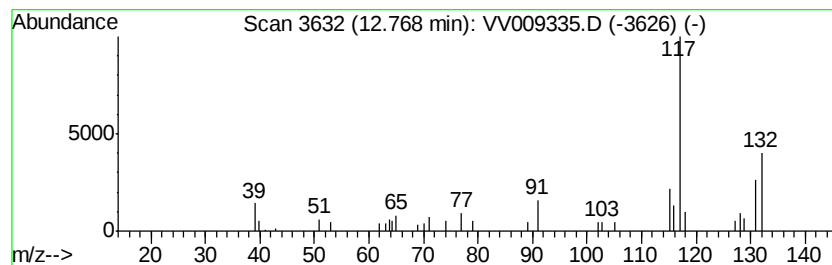
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.44 ug/L	15527	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
4		3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	90
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	83



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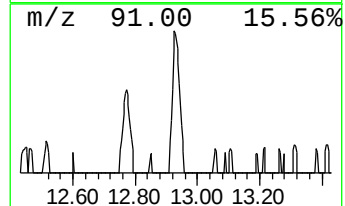
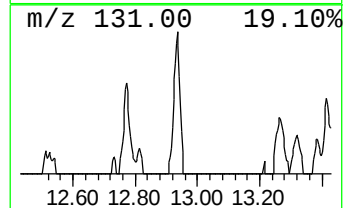
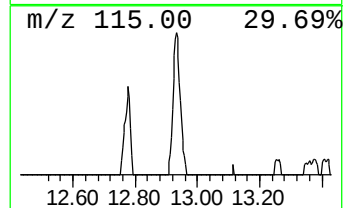
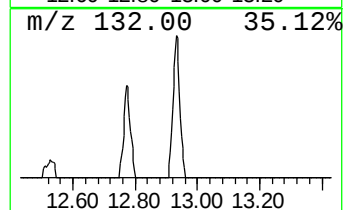
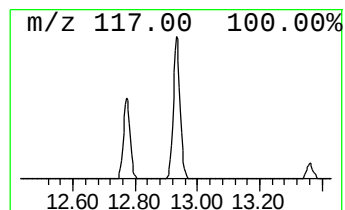
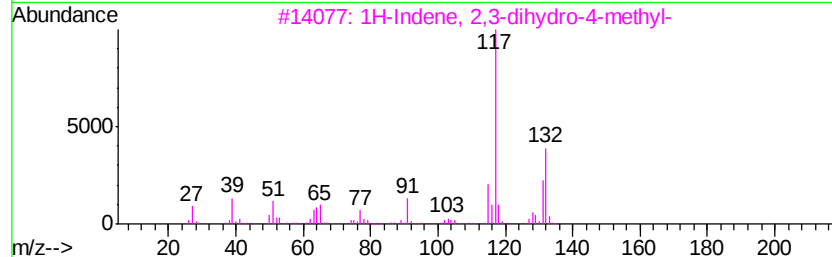
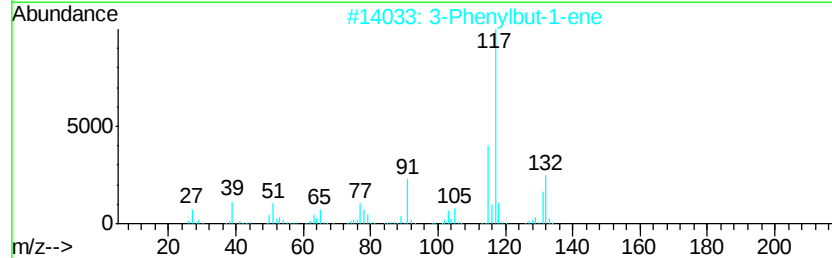
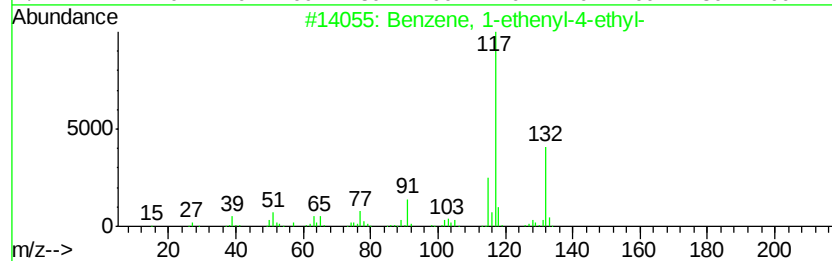
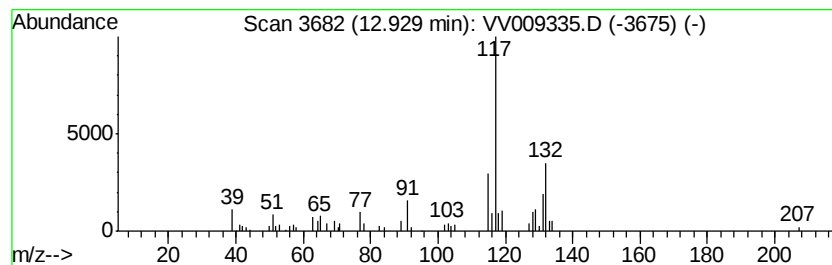
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.77 ug/L	29919	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 93
2		3-Phenylbut-1-ene	132 C10H12	000934-10-1 83
3		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 81
4		Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0 76
5		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV022219\
Data File : VV009335.D
Acq On : 22 Feb 2019 18:06
Operator : SY/MD
Sample : K1579-05
Misc : 7.41G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB602

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	10.50	1.7	ug/L	18665	3	11.30	269873	25.0
1H-Indene, 2,3-di...	12.77	1.4	ug/L	15527	3	11.30	269873	25.0
Benzene, 1-etheny...	12.93	2.8	ug/L	29919	3	11.30	269873	25.0