

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010977.D
 Acq On : 21 May 2019 00:14
 Operator : SY/MD
 Sample : K2846-20
 Misc : 4.01G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFHA2

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\SOM2VLM052019S.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	1.315	63	70	76	rVB	44459	42488	11.54%	1.413%
2	1.569	142	149	156	rVB	28648	32428	8.80%	1.079%
3	1.852	234	237	239	rBV	656	302	0.08%	0.010%
4	1.971	270	274	283	rVB4	1587	2113	0.57%	0.070%
5	2.122	311	321	334	rVB	69143	96535	26.21%	3.211%
6	2.190	334	342	349	rBV	5729	7971	2.16%	0.265%
7	2.315	372	381	390	rBV7	2591	4549	1.24%	0.151%
8	2.393	403	405	407	rBV2	418	239	0.06%	0.008%
9	2.531	437	448	462	rVB	17661	27697	7.52%	0.921%
10	2.987	586	590	592	rBV2	457	410	0.11%	0.014%
11	3.000	592	594	597	rVB3	501	285	0.08%	0.009%
12	3.065	608	614	622	rBV4	1901	2967	0.81%	0.099%
13	3.187	647	652	654	rBV	293	261	0.07%	0.009%
14	3.325	692	695	703	rVB2	198	247	0.07%	0.008%
15	3.386	709	714	716	rBV2	203	184	0.05%	0.006%
16	3.428	722	727	729	rBV2	227	229	0.06%	0.008%
17	3.476	737	742	744	rBV2	185	193	0.05%	0.006%
18	3.942	876	887	913	rBV2	11197	33831	9.18%	1.125%
19	4.200	964	967	973	rVB2	246	288	0.08%	0.010%
20	4.318	1001	1004	1010	rVB2	220	272	0.07%	0.009%
21	4.399	1010	1029	1052	rBV	66308	163132	44.29%	5.427%
22	4.823	1158	1161	1164	rBV2	236	190	0.05%	0.006%
23	4.987	1210	1212	1220	rVB2	166	186	0.05%	0.006%
24	5.093	1227	1245	1279	rBV2	147670	368339	100.00%	12.253%
25	5.412	1341	1344	1347	rBV2	267	214	0.06%	0.007%
26	5.498	1366	1371	1373	rBV2	215	203	0.06%	0.007%
27	5.662	1407	1422	1440	rBV2	127041	256570	69.66%	8.535%
28	5.945	1501	1510	1518	rVV3	2038	3494	0.95%	0.116%
29	6.032	1533	1537	1540	rBV3	494	394	0.11%	0.013%
30	6.116	1550	1563	1585	rBV	86099	176890	48.02%	5.884%
31	6.576	1701	1706	1708	rBV	260	246	0.07%	0.008%
32	6.617	1713	1719	1724	rBV2	258	308	0.08%	0.010%
33	6.707	1739	1747	1752	rBV4	535	973	0.26%	0.032%
34	6.785	1766	1771	1774	rBV2	201	194	0.05%	0.006%

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35	6.823	1778	1783	1786	rVB2	673	528	0.14%	0.018%
36	6.916	1809	1812	1815	rBV	196	181	0.05%	0.006%
37	7.029	1833	1847	1866	rVV2	31324	55205	14.99%	1.836%
38	7.206	1898	1902	1906	rBV	246	239	0.06%	0.008%
39	7.232	1906	1910	1912	rBV	231	178	0.05%	0.006%
40	7.299	1925	1931	1932	rBV	684	499	0.14%	0.017%
41	7.309	1932	1934	1937	rVB3	317	195	0.05%	0.006%
42	7.360	1937	1950	1969	rBV	152496	271747	73.78%	9.040%
43	7.502	1989	1994	2000	rBV3	213	314	0.09%	0.010%
44	7.527	2000	2002	2007	rVB2	444	334	0.09%	0.011%
45	7.666	2031	2045	2063	rVV	20862	35129	9.54%	1.169%
46	7.772	2076	2078	2083	rVB2	268	177	0.05%	0.006%
47	7.929	2123	2127	2133	rBV2	392	356	0.10%	0.012%
48	7.981	2138	2143	2151	rVB4	633	911	0.25%	0.030%
49	8.132	2181	2190	2214	rBV	41133	79990	21.72%	2.661%
50	8.264	2228	2231	2233	rBV	283	186	0.05%	0.006%
51	8.280	2235	2236	2238	rVV	596	289	0.08%	0.010%
52	8.296	2238	2241	2245	rVB3	811	619	0.17%	0.021%
53	8.486	2297	2300	2302	rBV	419	245	0.07%	0.008%
54	8.579	2324	2329	2331	rBV2	351	272	0.07%	0.009%
55	8.617	2336	2341	2343	rBV	347	215	0.06%	0.007%
56	8.894	2415	2427	2457	rVV	185606	308896	83.86%	10.276%
57	9.051	2472	2476	2477	rBV2	559	367	0.10%	0.012%
58	9.093	2487	2489	2490	rBV	405	203	0.06%	0.007%
59	9.141	2499	2504	2505	rBV	320	238	0.06%	0.008%
60	9.190	2509	2519	2524	rVB4	816	1592	0.43%	0.053%
61	9.235	2530	2533	2537	rVB3	383	361	0.10%	0.012%
62	9.264	2537	2542	2545	rBV3	397	416	0.11%	0.014%
63	9.376	2575	2577	2582	rVB3	360	238	0.06%	0.008%
64	9.495	2610	2614	2615	rBV2	310	222	0.06%	0.007%
65	9.588	2639	2643	2650	rVB5	1052	1152	0.31%	0.038%
66	9.624	2650	2654	2656	rBV3	353	299	0.08%	0.010%
67	9.646	2656	2661	2664	rVV2	232	199	0.05%	0.007%
68	9.791	2701	2706	2707	rBV	287	221	0.06%	0.007%
69	9.948	2743	2755	2768	rBV	79333	131997	35.84%	4.391%
70	10.190	2824	2830	2831	rBV4	1156	1019	0.28%	0.034%
71	10.228	2831	2842	2845	rVV3	28929	43829	11.90%	1.458%

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72	10.260	2846	2852	2872	rVB	79424	122039	33.13%	4.060%
73	10.405	2892	2897	2898	rBV	485	319	0.09%	0.011%
74	10.421	2898	2902	2915	rVB4	1536	1920	0.52%	0.064%
75	10.473	2915	2918	2922	rBV2	220	178	0.05%	0.006%
76	10.624	2952	2965	2984	rBV2	126508	205552	55.81%	6.838%
77	10.701	2987	2989	2995	rVB2	409	268	0.07%	0.009%
78	10.894	3046	3049	3051	rBV2	218	184	0.05%	0.006%
79	10.936	3054	3062	3071	rBV5	4767	8061	2.19%	0.268%
80	11.100	3109	3113	3118	rVV4	1062	992	0.27%	0.033%
81	11.190	3136	3141	3147	rBV2	678	691	0.19%	0.023%
82	11.235	3147	3155	3163	rBV5	14029	21463	5.83%	0.714%
83	11.296	3163	3174	3192	rVB2	152658	258334	70.13%	8.594%
84	11.399	3204	3206	3209	rVB3	731	366	0.10%	0.012%
85	11.469	3225	3228	3235	rVB4	479	524	0.14%	0.017%
86	11.579	3256	3262	3270	rVB5	2556	3301	0.90%	0.110%
87	11.672	3279	3291	3311	rVB	128353	209026	56.75%	6.953%
88	11.746	3311	3314	3319	rBV2	200	205	0.06%	0.007%
89	11.948	3369	3377	3386	rVB3	3028	3833	1.04%	0.128%
90	12.138	3430	3436	3437	rBV3	537	470	0.13%	0.016%
91	13.485	3850	3855	3858	rBV	331	286	0.08%	0.010%
92	13.791	3945	3950	3956	rBV4	1529	1668	0.45%	0.055%
93	13.858	3968	3971	3976	rBV2	250	274	0.07%	0.009%
94	14.209	4072	4080	4082	rBV2	298	314	0.09%	0.010%
95	14.308	4105	4111	4115	rBV	249	314	0.09%	0.010%
96	14.672	4221	4224	4228	rVB3	286	222	0.06%	0.007%
97	15.144	4367	4371	4378	rBV2	364	514	0.14%	0.017%
98	15.180	4378	4382	4389	rBV3	310	500	0.14%	0.017%
99	16.453	4775	4778	4779	rBV2	367	247	0.07%	0.008%
100	16.678	4846	4848	4850	rBV	531	188	0.05%	0.006%

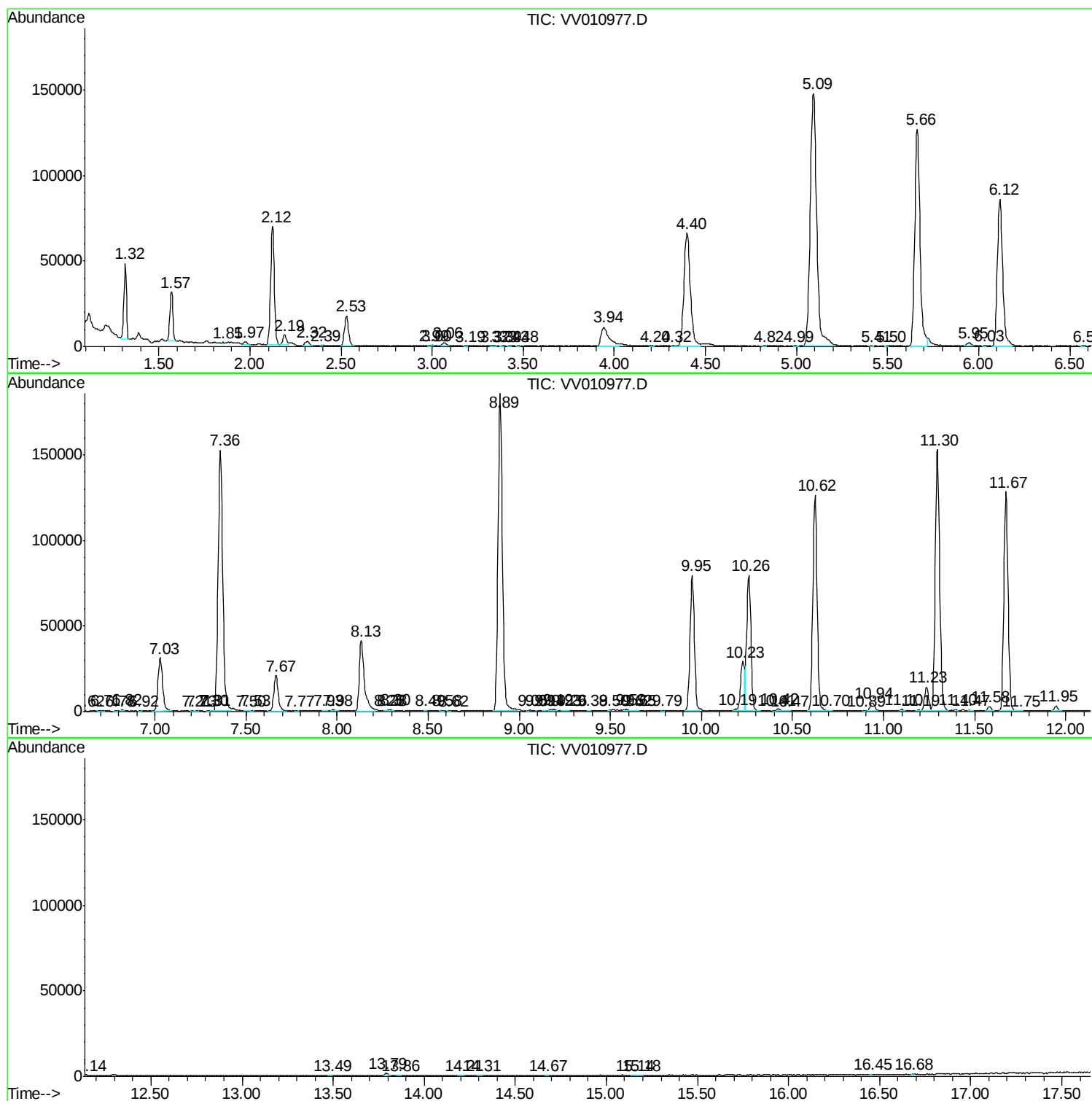
Sum of corrected areas: 3006133

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



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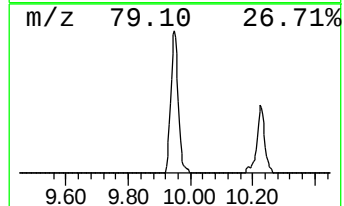
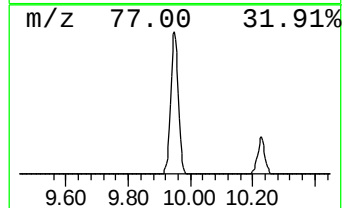
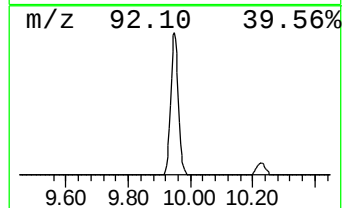
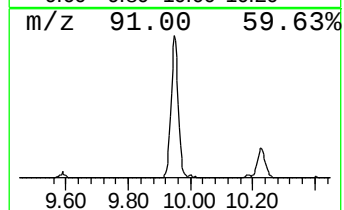
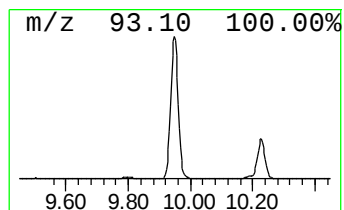
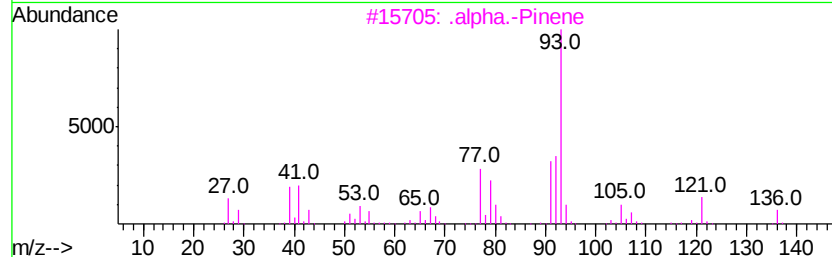
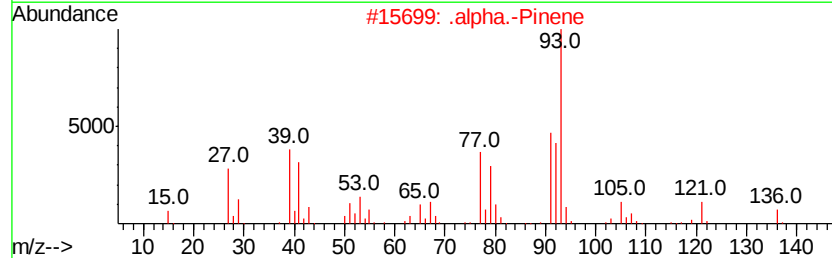
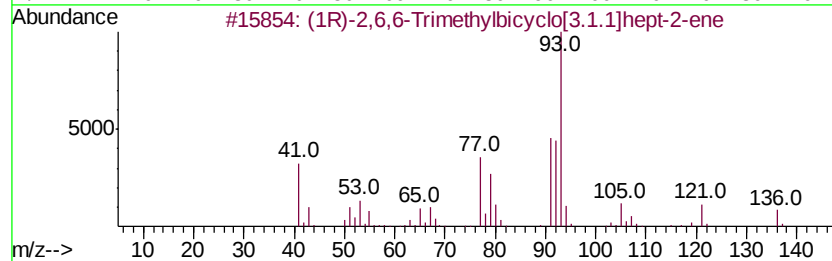
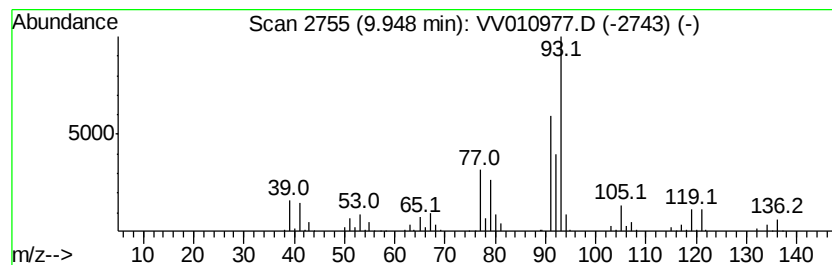
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	10.68 ug/L	131997	Chlorobenzene-d5	8.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	96
2		.alpha.-Pinene	136	C10H16	000080-56-8	93
3		.alpha.-Pinene	136	C10H16	000080-56-8	93
4		(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	93
5		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	90



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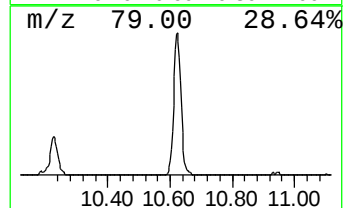
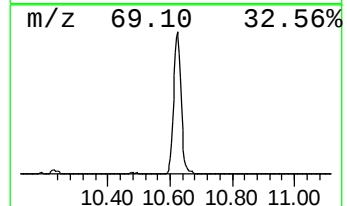
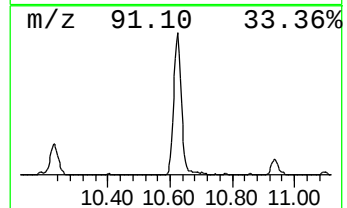
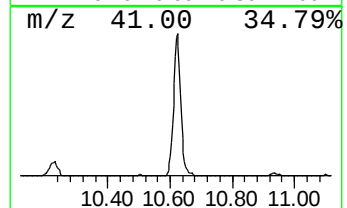
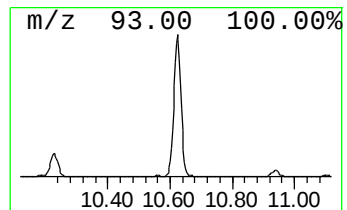
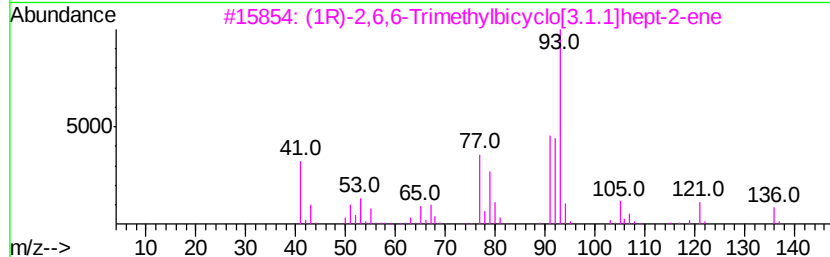
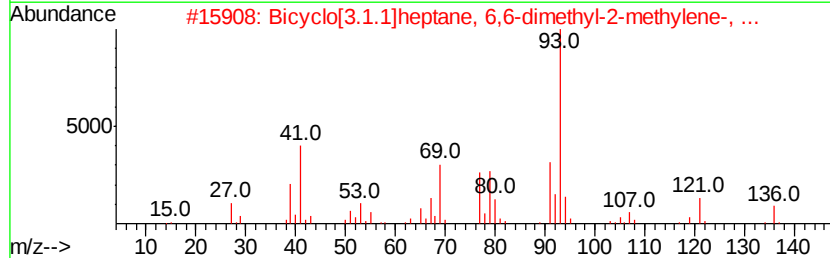
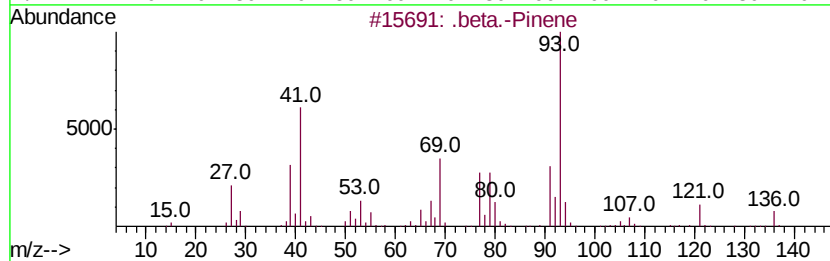
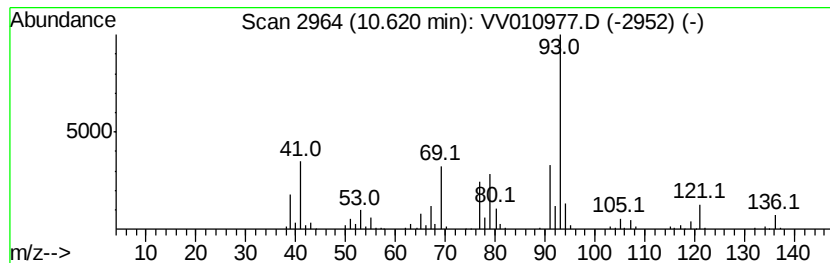
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Quant Title : VOC Analysis

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

Peak Number 3 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	19.89 ug/L	205552	1,4-Dichlorobenzene-d4	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Pinene	136 C10H16	000127-91-3 97
2		Bicyclo[3.1.1]heptane, 6,6-dimet...	136 C10H16	018172-67-3 96
3		(1R)-2,6,6-Trimethylbicyclo[3.1....	136 C10H16	007785-70-8 93
4		Cyclohexene, 4-methylene-1-(1-me...	136 C10H16	000099-84-3 91
5		.alpha.-Pinene	136 C10H16	000080-56-8 90



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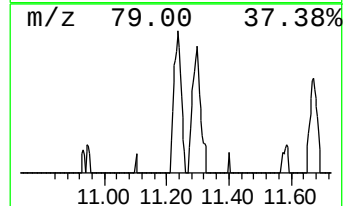
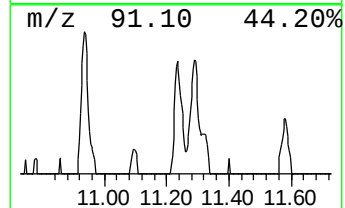
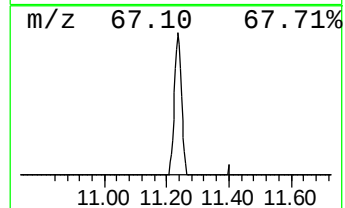
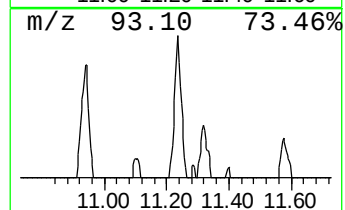
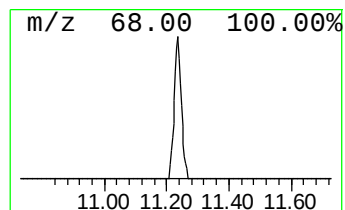
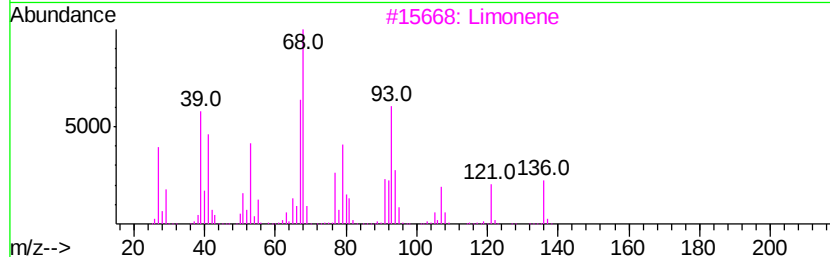
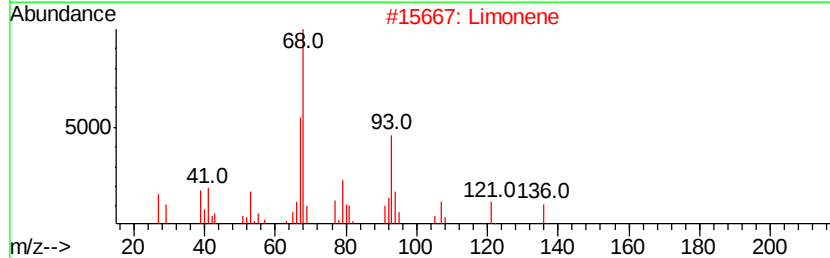
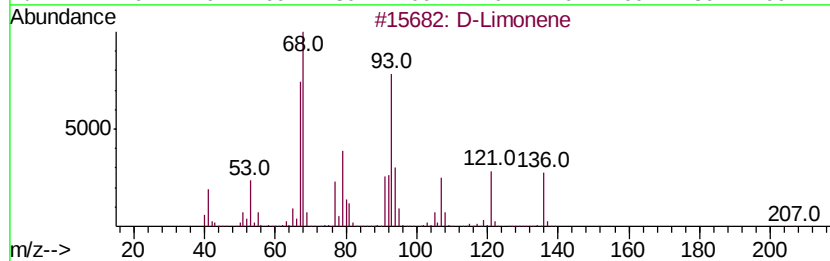
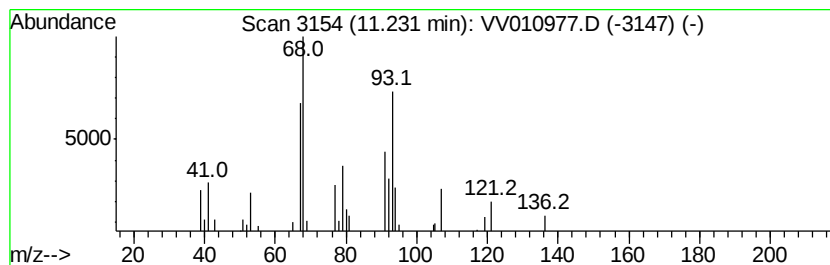
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TIC Integration Parameters: LSCINT.P

Peak Number 4 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.08 ug/L	21463	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	97
2		Limonene	136	C10H16	000138-86-3	94
3		Limonene	136	C10H16	000138-86-3	93
4		D-Limonene	136	C10H16	005989-27-5	90
5		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV052019\
Data File : VV010977.D
Acq On : 21 May 2019 00:14
Operator : SY/MD
Sample : K2846-20
Misc : 4.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHA2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.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
(1R)-2,6,6-Trimet...	9.95	10.7	ug/L	131997	2	8.89	308896	25.0
.beta.-Pinene	10.62	19.9	ug/L	205552	3	11.30	258334	25.0
D-Limonene	11.23	2.1	ug/L	21463	3	11.30	258334	25.0