

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010981.D
 Acq On : 21 May 2019 03:30
 Operator : SY/MD
 Sample : K2846-21
 Misc : 3.88G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFHA3

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	1.312	65	69	76	rVB	43395	38826	10.16%	1.520%
2	1.563	141	147	157	rVB	31650	36516	9.56%	1.429%
3	2.119	311	320	333	rVB	69136	96022	25.14%	3.758%
4	2.309	367	379	390	rBV3	5237	9232	2.42%	0.361%
5	2.524	437	446	457	rVB	15929	25618	6.71%	1.003%
6	3.000	590	594	596	rBV	239	179	0.05%	0.007%
7	3.055	605	611	612	rBV3	1275	1113	0.29%	0.044%
8	3.338	696	699	702	rBV2	244	144	0.04%	0.006%
9	3.412	720	722	728	rBV	224	268	0.07%	0.010%
10	3.441	729	731	734	rVB	189	77	0.02%	0.003%
11	3.492	745	747	749	rBV	180	116	0.03%	0.005%
12	3.557	763	767	769	rBV2	173	174	0.05%	0.007%
13	3.608	779	783	790	rBV2	172	270	0.07%	0.011%
14	3.733	818	822	827	rBV2	189	213	0.06%	0.008%
15	3.778	834	836	839	rVB2	191	124	0.03%	0.005%
16	3.804	842	844	847	rVB	98	50	0.01%	0.002%
17	3.836	847	854	855	rBV2	202	245	0.06%	0.010%
18	3.933	874	884	905	rBV	14199	37139	9.72%	1.453%
19	4.139	945	948	952	rBV2	255	281	0.07%	0.011%
20	4.180	960	961	962	rVB2	217	42	0.01%	0.002%
21	4.190	962	964	969	rBV2	250	251	0.07%	0.010%
22	4.229	973	976	978	rBV	192	119	0.03%	0.005%
23	4.270	986	989	992	rBV2	140	115	0.03%	0.005%
24	4.396	1012	1028	1057	rBV3	63499	170655	44.68%	6.679%
25	4.714	1124	1127	1132	rBV3	309	330	0.09%	0.013%
26	4.743	1132	1136	1141	rVV2	287	352	0.09%	0.014%
27	4.798	1148	1153	1155	rBV2	175	197	0.05%	0.008%
28	4.856	1166	1171	1174	rBV	151	181	0.05%	0.007%
29	4.942	1191	1198	1200	rBV	284	288	0.08%	0.011%
30	5.023	1219	1223	1226	rVB2	178	154	0.04%	0.006%
31	5.090	1226	1244	1265	rBV3	156489	381972	100.00%	14.949%
32	5.283	1302	1304	1307	rBV	154	71	0.02%	0.003%
33	5.299	1307	1309	1315	rBV2	276	275	0.07%	0.011%
34	5.389	1333	1337	1340	rBV2	166	139	0.04%	0.005%

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 Title : VOC Analysis

35	5.508	1372	1374	1376	rBV	200	83	0.02%	0.003%
36	5.557	1385	1389	1390	rBV	148	128	0.03%	0.005%
37	5.579	1394	1396	1399	rBV	131	100	0.03%	0.004%
38	5.595	1399	1401	1403	rBV	185	63	0.02%	0.002%
39	5.659	1408	1421	1444	rBV2	120655	239796	62.78%	9.385%
40	5.894	1489	1494	1496	rBV2	188	165	0.04%	0.006%
41	5.910	1496	1499	1501	rVV	123	105	0.03%	0.004%
42	5.942	1501	1509	1523	rVB4	2338	4316	1.13%	0.169%
43	6.010	1524	1530	1537	rBV5	1097	1575	0.41%	0.062%
44	6.113	1549	1562	1578	rBV	92862	185750	48.63%	7.270%
45	6.283	1613	1615	1617	rBV	145	74	0.02%	0.003%
46	6.354	1630	1637	1638	rBV	229	243	0.06%	0.010%
47	6.476	1672	1675	1677	rBV2	155	127	0.03%	0.005%
48	6.537	1688	1694	1700	rVB2	221	268	0.07%	0.010%
49	6.560	1700	1701	1703	rBV	241	113	0.03%	0.004%
50	6.595	1710	1712	1714	rBV	168	119	0.03%	0.005%
51	6.653	1724	1730	1732	rBV	339	402	0.11%	0.016%
52	6.701	1740	1745	1752	rVB4	588	829	0.22%	0.032%
53	6.765	1761	1765	1769	rBV2	182	218	0.06%	0.009%
54	6.814	1776	1780	1781	rBV2	473	327	0.09%	0.013%
55	6.859	1790	1794	1795	rBV	136	98	0.03%	0.004%
56	6.872	1795	1798	1800	rVB2	171	116	0.03%	0.005%
57	6.884	1800	1802	1804	rBV	162	91	0.02%	0.004%
58	6.936	1814	1818	1821	rBV2	194	164	0.04%	0.006%
59	6.974	1825	1830	1834	rBV	247	317	0.08%	0.012%
60	7.029	1835	1847	1867	rVV2	30691	54570	14.29%	2.136%
61	7.145	1880	1883	1885	rBV2	175	125	0.03%	0.005%
62	7.357	1936	1949	1970	rBV	158404	276833	72.47%	10.834%
63	7.579	2015	2018	2020	rBV2	137	104	0.03%	0.004%
64	7.663	2033	2044	2066	rBV	20173	33561	8.79%	1.313%
65	7.785	2080	2082	2085	rVB2	219	141	0.04%	0.006%
66	7.830	2085	2096	2099	rBV3	418	758	0.20%	0.030%
67	7.865	2104	2107	2108	rBV	121	56	0.01%	0.002%
68	8.052	2162	2165	2167	rVB2	187	111	0.03%	0.004%
69	8.071	2168	2171	2173	rBV3	209	164	0.04%	0.006%
70	8.132	2179	2190	2212	rBV	50387	91147	23.86%	3.567%
71	8.331	2248	2252	2260	rBV2	311	400	0.10%	0.016%

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 Title : VOC Analysis

72	8.418	2277	2279	2280	rBV	253	102	0.03%	0.004%
73	8.495	2298	2303	2305	rVB2	300	189	0.05%	0.007%
74	8.746	2378	2381	2383	rBV	132	85	0.02%	0.003%
75	8.830	2404	2407	2411	rBV2	213	252	0.07%	0.010%
76	8.894	2415	2427	2448	rBV	170402	275237	72.06%	10.772%
77	9.055	2472	2477	2478	rBV	631	417	0.11%	0.016%
78	9.093	2485	2489	2494	rBV3	455	418	0.11%	0.016%
79	9.302	2551	2554	2559	rBV3	385	336	0.09%	0.013%
80	9.373	2574	2576	2577	rBV3	215	58	0.02%	0.002%
81	9.881	2731	2734	2737	rBV3	235	175	0.05%	0.007%
82	9.949	2744	2755	2767	rBV2	18375	29476	7.72%	1.154%
83	10.035	2781	2782	2784	rBV	223	84	0.02%	0.003%
84	10.090	2797	2799	2803	rVB2	275	131	0.03%	0.005%
85	10.164	2817	2822	2825	rBV2	228	233	0.06%	0.009%
86	10.222	2833	2840	2842	rBV3	5306	5194	1.36%	0.203%
87	10.261	2845	2852	2869	rVB	80304	120421	31.53%	4.713%
88	10.424	2895	2903	2911	rBV4	1554	2476	0.65%	0.097%
89	10.624	2954	2965	2975	rBV2	23907	37235	9.75%	1.457%
90	10.933	3059	3061	3063	rBV2	227	126	0.03%	0.005%
91	10.974	3072	3074	3080	rVB3	303	238	0.06%	0.009%
92	11.187	3136	3140	3141	rBV	337	235	0.06%	0.009%
93	11.232	3148	3154	3155	rBV4	1963	1577	0.41%	0.062%
94	11.296	3163	3174	3190	rVB	119405	193972	50.78%	7.591%
95	11.672	3280	3291	3305	rBV	116420	188801	49.43%	7.389%
96	11.794	3328	3329	3330	rBV	253	88	0.02%	0.003%
97	12.293	3475	3484	3492	rBV3	1056	1860	0.49%	0.073%
98	13.273	3787	3789	3797	rVB2	222	156	0.04%	0.006%
99	13.315	3800	3802	3807	rVB2	339	190	0.05%	0.007%
100	13.553	3875	3876	3877	rBV	270	83	0.02%	0.003%

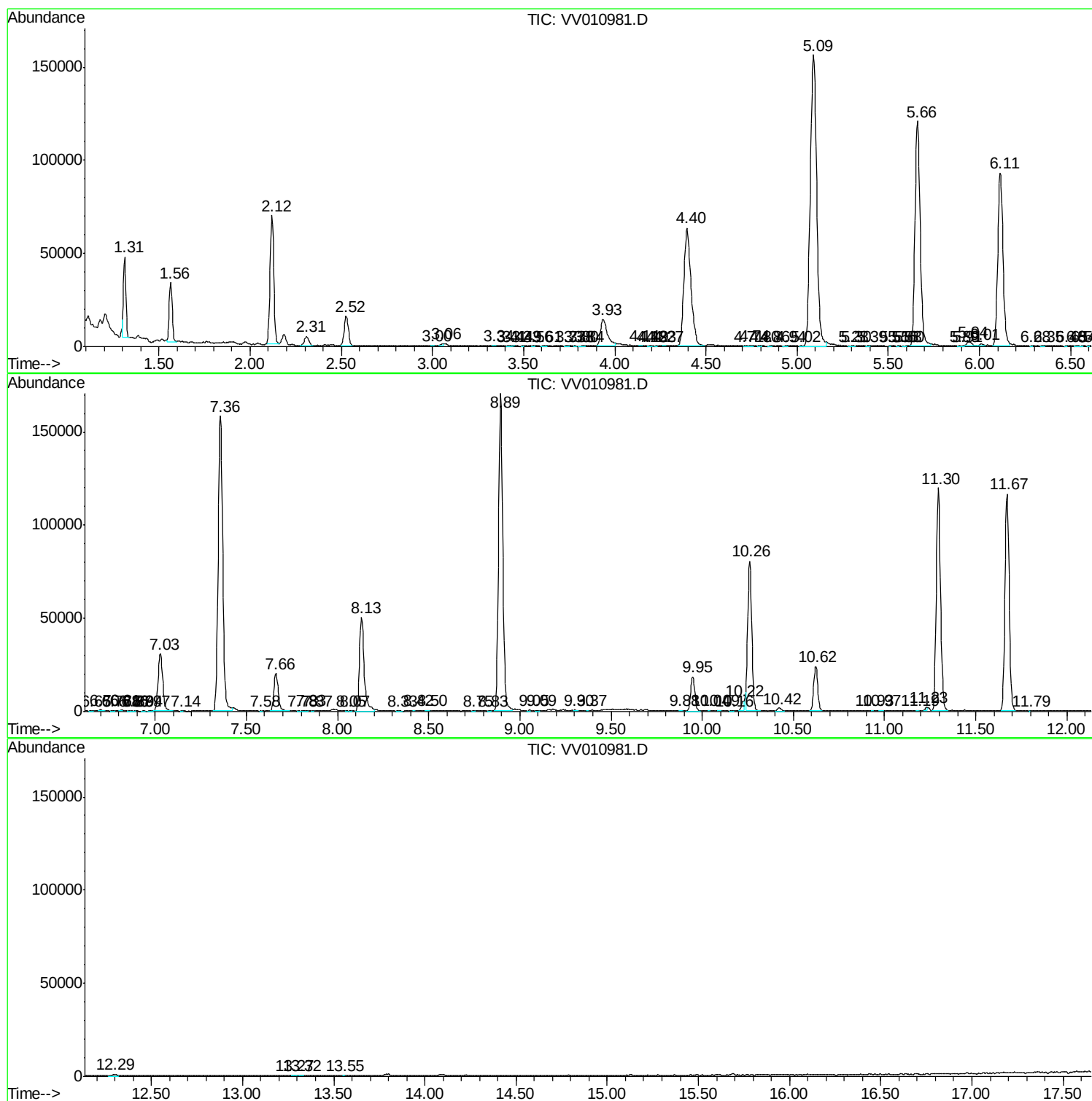
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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



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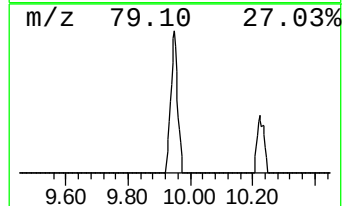
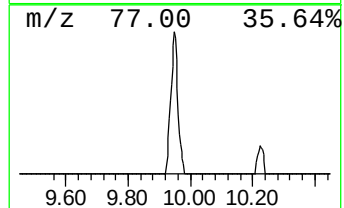
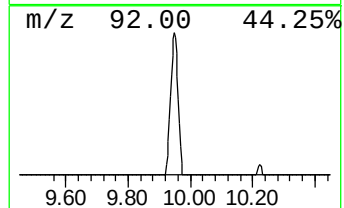
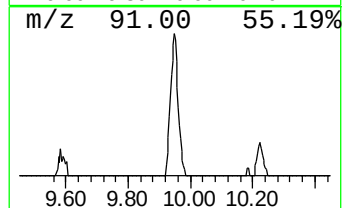
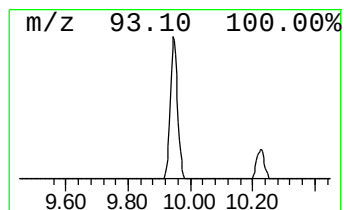
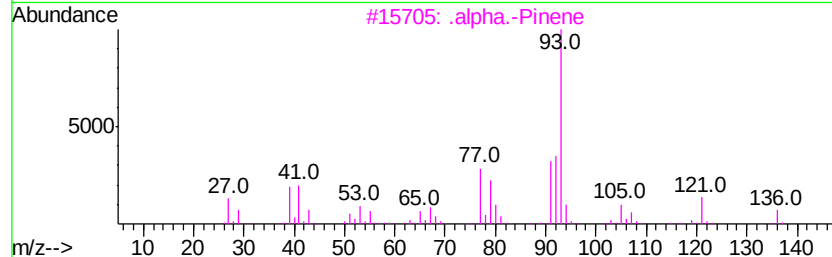
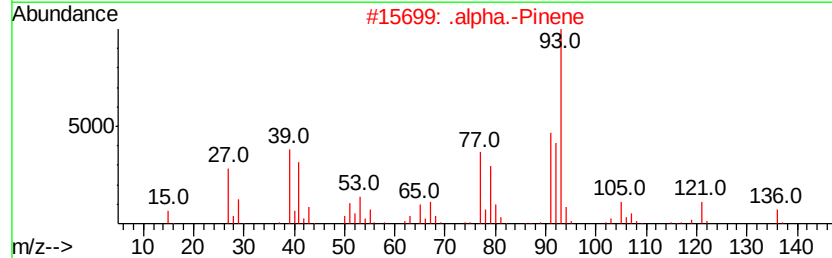
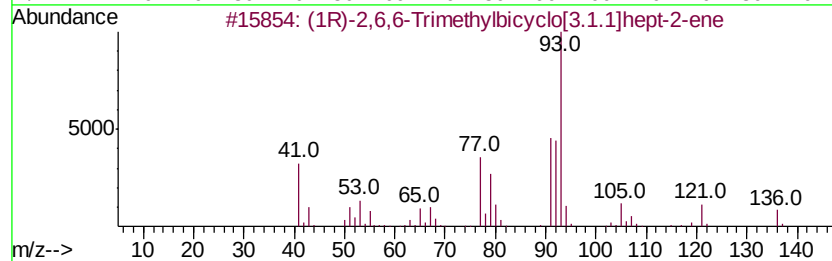
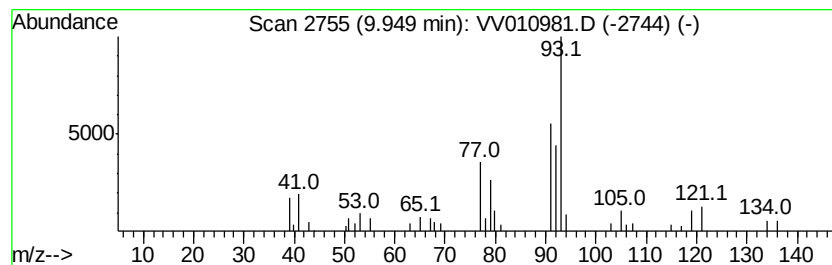
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis

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

Peak Number 2 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	2.68 ug/L	29476	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	94
2		.alpha.-Pinene	136	C10H16	000080-56-8	93
3		.alpha.-Pinene	136	C10H16	000080-56-8	91
4		.alpha.-Pinene	136	C10H16	000080-56-8	91
5		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	83



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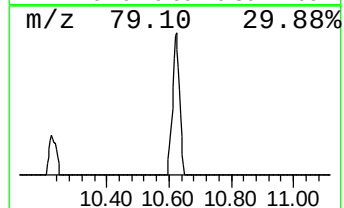
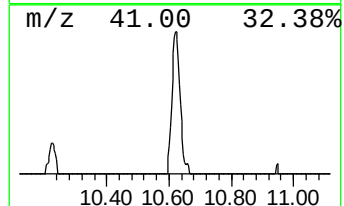
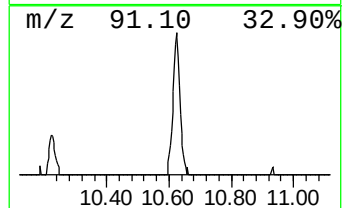
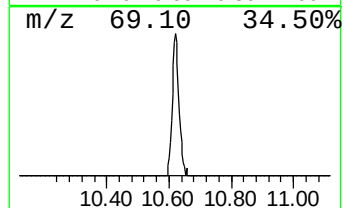
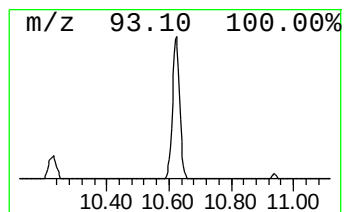
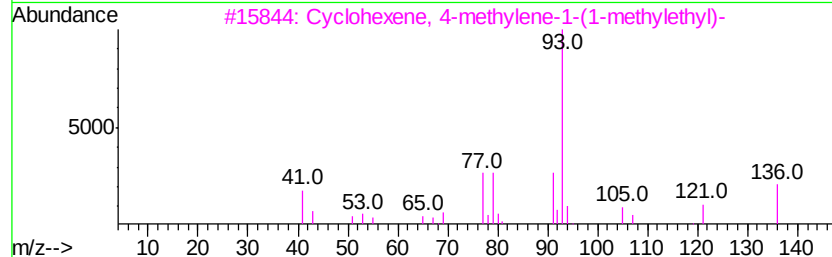
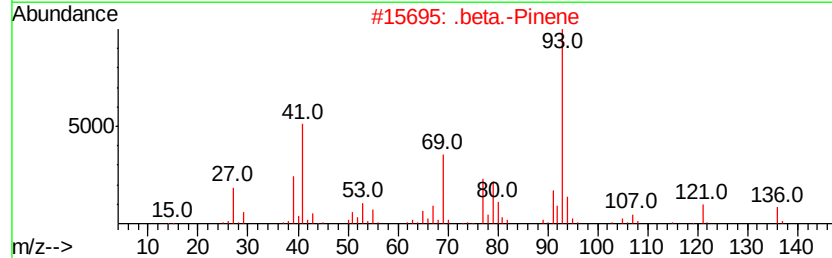
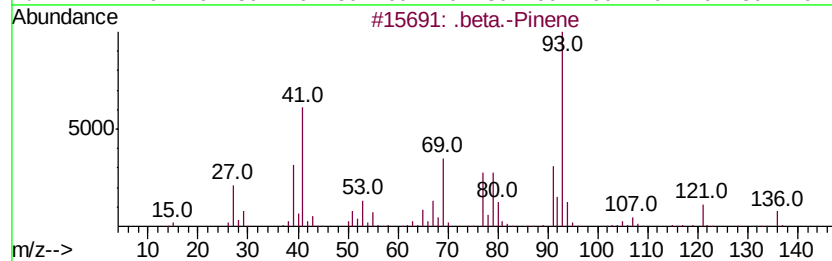
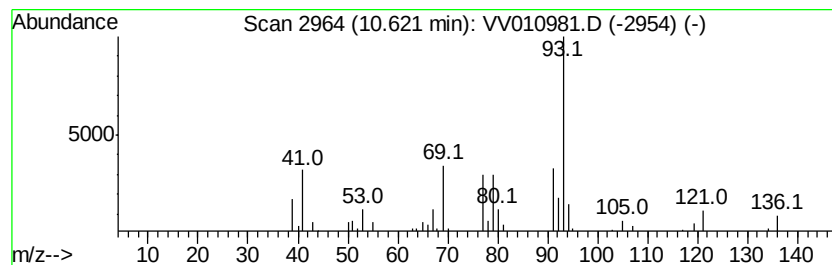
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.62	4.80 ug/L	37235	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	.beta.-Pinene	136	C10H16	000127-91-3	94
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
4	(1R)-2,6,6-Trimethylbicyclo[3.1...	136	C10H16	007785-70-8	91
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91



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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(1R)-2,6,6-Trimet...	9.95	2.7	ug/L	29476	2	8.89	275237	25.0
.beta.-Pinene	10.62	4.8	ug/L	37235	3	11.30	193972	25.0