LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092619\
Data File : VV012993.D
Acq On : 26 Sep 2019 12:13
Operator : SY/MD
Sample : K4988-05
Misc : 5.44G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESNY8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.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	1.318	64	71	87	rVB	317884	339948	12.15%	1.516%
2	1.582	146	153	169	rVB	299812	341487	12.21%	1.522%
3	2.129	314	323	337	rBV	530599	746999	26.70%	3.330%
4	2.232	346	355	368	rVB	267092	394185	14.09%	1.757%
5	2.537	439	450	464	rBV	59353	97797	3.50%	0.436%
6	2.753	514	517	521	rBV2	842	607	0.02%	0.003%
7	2.962	578	582	586	rBV3	804	841	0.03%	0.004%
8	3.077	607	618	632	rVB5	6778	14793	0.53%	0.066%
9	3.142	632	638	640	rBV5	664	653	0.02%	0.003%
10	3.199	653	656	661	rVB4	837	794	0.03%	0.004%
11	3.331	694	697	700	rBV2	891	633	0.02%	0.003%
12	3.470	736	740	744	rBV5	805	770	0.03%	0.003%
13	3.598	776	780	786	rBV4	570	638	0.02%	0.003%
14	3.891	869	871	874	rBV2	714	562	0.02%	0.003%
15	3.936	874	885	919	rBV	68643	224239	8.02%	1.000%
16	4.228	974	976	982	rVV5	886	777	0.03%	0.003%
17	4.254	982	984	987	rVB2	1097	554	0.02%	0.002%
18	4.312	994	1002	1005	rBV7	1002	1188	0.04%	0.005%
19	4.399	1011	1029	1052	rBV	396324	961504	34.37%	4.287%
20	4.685	1114	1118	1119	rBV3	692	556	0.02%	0.002%
21	4.714	1124	1127	1135	rVV7	980	1361	0.05%	0.006%
22	4.781	1145	1148	1153	rVB2	932	641	0.02%	0.003%
23	4.804	1153	1155	1159	rVB2	1007	679	0.02%	0.003%
24	4.826	1159	1162	1165	rBV2	937	682	0.02%	0.003%
25	4.942	1195	1198	1203	rVB4	785	720	0.03%	0.003%
26	5.093	1226	1245	1277	rBV2	928009	2345184	83.83%	10.456%
27	5.418	1342	1346	1350	rBV7	824	769	0.03%	0.003%
28	5.595	1397	1401	1407	rBV4	898	774	0.03%	0.003%
29	5.662	1407	1422	1442	rBV	713103	1402281	50.13%	6.252%
30	5.913	1497	1500	1501	rBV2	1021	593	0.02%	0.003%
31	5.949	1501	1511	1528	rVB2	21575	44224	1.58%	0.197%
32	6.013	1528	1531	1534	rVB3	1028	642	0.02%	0.003%
33	6.045	1537	1541	1542	rBV2	1147	711	0.03%	0.003%
34	6.116	1542	1563	1590	rBV	555115	1125646	40.24%	5.018%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESNY8

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Title : VOC Analysis

35	6.424	1655	1659	1665	rBV5	941	1139	0.04%	0.005%
36	6.550	1695	1698	1702	rBV2	910	734	0.03%	0.003%
37	6.595	1705	1712	1715	rBV7	971	979	0.03%	0.004%
38	6.656	1724	1731	1734	rBV5	1062	1404	0.05%	0.006%
39	6.694	1739	1743	1748	rVV5	1405	1421	0.05%	0.006%
40	6.897	1799	1806	1808	rBV2	663	577	0.02%	0.003%
41	6.961	1822	1826	1830	rBV3	716	674	0.02%	0.003%
42	7.029	1834	1847	1865	rBV	249166	448594	16.04%	2.000%
43	7.129	1870	1878	1896	rVB2	19536	37752	1.35%	0.168%
44	7.357	1935	1949	1978	rBV	1015273	1786995	63.88%	7.967%
45	7.550	2007	2009	2015	rVB6	726	585	0.02%	0.003%
46	7.662	2033	2044	2065	rBV	169750	287636	10.28%	1.282%
47	7.977	2133	2142	2151	rBV2	8631	15395	0.55%	0.069%
48	8.132	2175	2190	2220	rBV	241640	507239	18.13%	2.261%
49	8.569	2324	2326	2330	rVB3	1177	745	0.03%	0.003%
50	8.595	2330	2334	2337	rBV4	1125	864	0.03%	0.004%
51	8.743	2375	2380	2383	rBV4	652	614	0.02%	0.003%
52	8.791	2393	2395	2400	rVB3	785	660	0.02%	0.003%
53	8.813	2400	2402	2406	rBV	1053	737	0.03%	0.003%
54	8.894	2414	2427	2451	rBV	1029517	1660040	59.34%	7.401%
55	9.055	2474	2477	2485	rVB9	2175	2656	0.09%	0.012%
56	9.138	2500	2503	2507	rBV3	1633	1093	0.04%	0.005%
57	9.177	2510	2515	2517	rBV6	1021	901	0.03%	0.004%
58	9.273	2543	2545	2548	rVB3	958	569	0.02%	0.003%
59	9.296	2548	2552	2555	rVB5	879	568	0.02%	0.003%
60	9.318	2555	2559	2561	rBV4	741	614	0.02%	0.003%
61	9.501	2609	2616	2620	rBV6	2511	3639	0.13%	0.016%
62	9.611	2648	2650	2655	rVB5	1711	1204	0.04%	0.005%
63	9.794	2699	2707	2717	rVB6	12461	21740	0.78%	0.097%
64	9.881	2732	2734	2739	rVB4	824	621	0.02%	0.003%
65	9.948	2739	2755	2780	rBV	1408284	2276343	81.37%	10.149%
66	10.112	2803	2806	2809	rVB4	1112	714	0.03%	0.003%
67	10.183	2818	2828	2832	rBV3	35357	56183	2.01%	0.250%
68	10.225	2832	2841	2845	rBV	294175	430968	15.41%	1.921%
69	10.421	2890	2902	2912	rVB	15248	27427	0.98%	0.122%
70	10.572	2945	2949	2950	rBV4	1326	917	0.03%	0.004%
71	10.620	2950	2964	2990	rVV	1743383	2797467	100.00%	12.472%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ESNY8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Title : VOC Analysis

72	10.903	3047	3052	3053	rBV5	1328	1092	0.04%	0.005%
73	10.935	3053	3062	3072	rVV3	13724	26679	0.95%	0.119%
74	11.099	3104	3113	3123	rVB3	26136	39261	1.40%	0.175%
75	11.231	3133	3154	3163	rBV	333636	514727	18.40%	2.295%
76	11.292	3163	3173	3193	rVB	1042648	1679570	60.04%	7.488%
77	11.498	3234	3237	3238	rBV3	1298	676	0.02%	0.003%
78	11.579	3253	3262	3276	rBV3	24351	38050	1.36%	0.170%
79	11.669	3278	3290	3313	rVB	917300	1451437	51.88%	6.471%
80	11.833	3330	3341	3348	rBV4	10798	16099	0.58%	0.072%
81	11.945	3366	3376	3395	rVB2	65878	104976	3.75%	0.468%
82	12.132	3428	3434	3449	rVB2	5631	11134	0.40%	0.050%
83	12.289	3476	3483	3493	rBV2	6886	12246	0.44%	0.055%
84	12.357	3501	3504	3507	rVB4	804	558	0.02%	0.002%
85	12.427	3523	3526	3530	rBV4	1185	789	0.03%	0.004%
86	12.672	3594	3602	3610	rBV9	7560	11787	0.42%	0.053%
87	12.929	3676	3682	3690	rBV6	2384	3461	0.12%	0.015%
88	12.980	3696	3698	3702	rVB	876	573	0.02%	0.003%
89	13.160	3750	3754	3755	rBV5	822	555	0.02%	0.002%
90	13.193	3755	3764	3776	rVV3	25461	46581	1.67%	0.208%
91	13.250	3779	3782	3785	rBV2	1327	997	0.04%	0.004%
92	13.305	3795	3799	3800	rBV4	2455	1699	0.06%	0.008%
93	13.414	3829	3833	3838	rBV6	1038	895	0.03%	0.004%
94	13.521	3864	3866	3871	rBV7	1026	887	0.03%	0.004%
95	13.556	3874	3877	3883	rVB5	2260	2106	0.08%	0.009%
96	13.791	3942	3950	3960	rVB3	16145	22784	0.81%	0.102%
97	14.083	4036	4041	4049	rVB4	3465	5282	0.19%	0.024%
98	14.315	4110	4113	4116	rBV2	1460	955	0.03%	0.004%
99	14.749	4245	4248	4252	rBV5	939	686	0.02%	0.003%
100	14.800	4261	4264	4266	rBV2	1169	733	0.03%	0.003%

Sum of corrected areas: 22430115

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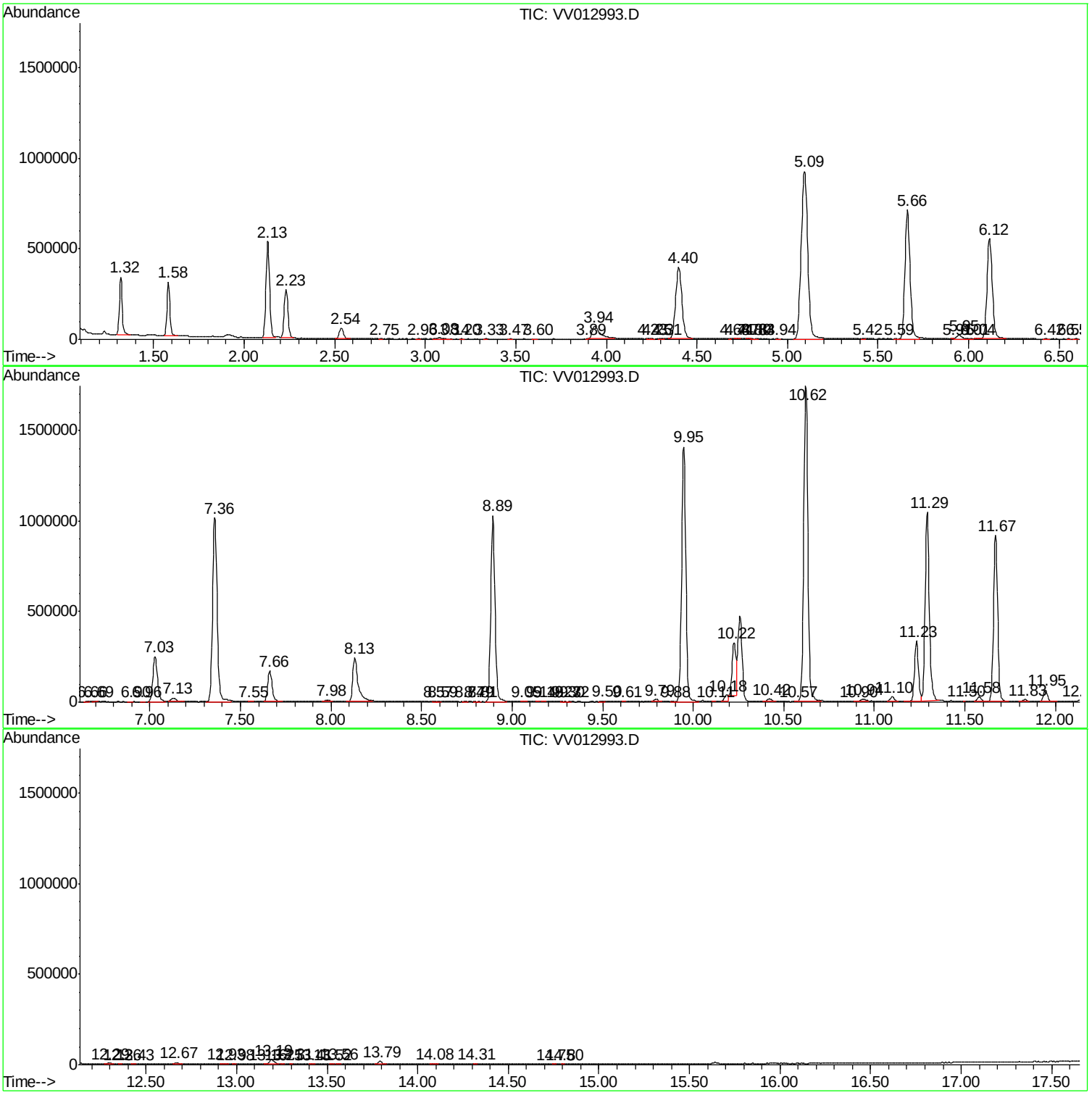
Instrument :
MSVOA_V
ClientSampleId :
ESNY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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Quant Title : VOC Analysis

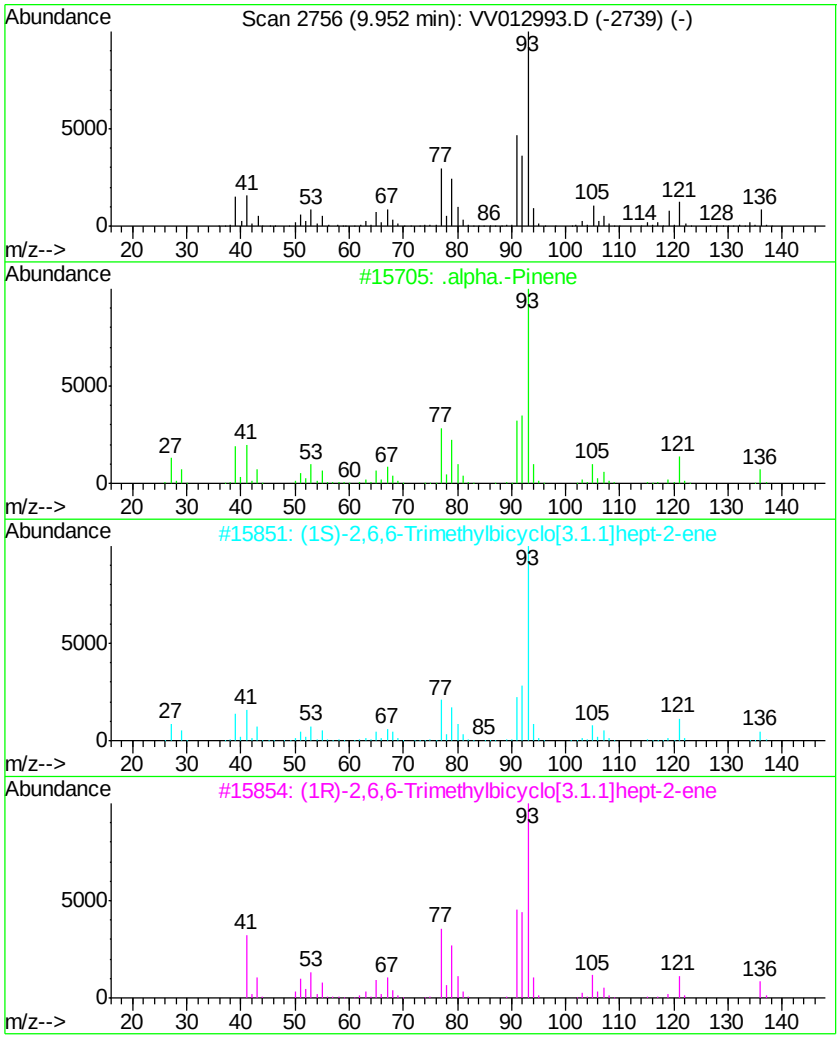
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

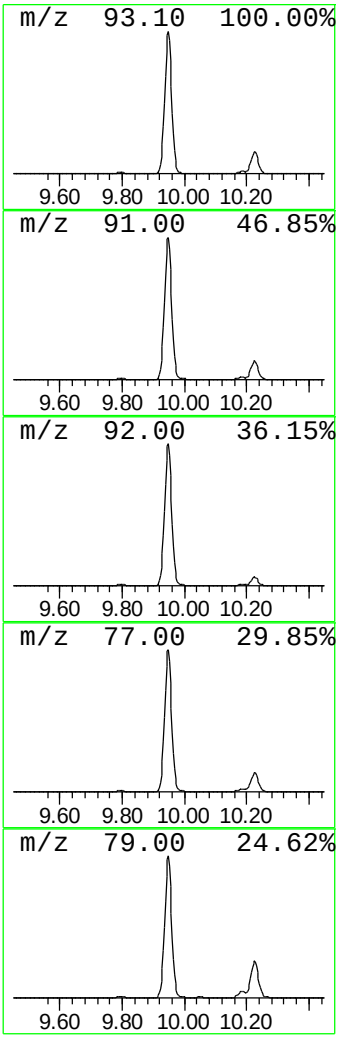
****

Peak Number 2 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	34.28 ug/L	2276340	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
4	.alpha.-Pinene	136	C10H16	000080-56-8	95
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94





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Instrument : MSVOA_V
ClientSampleId : ESNY8

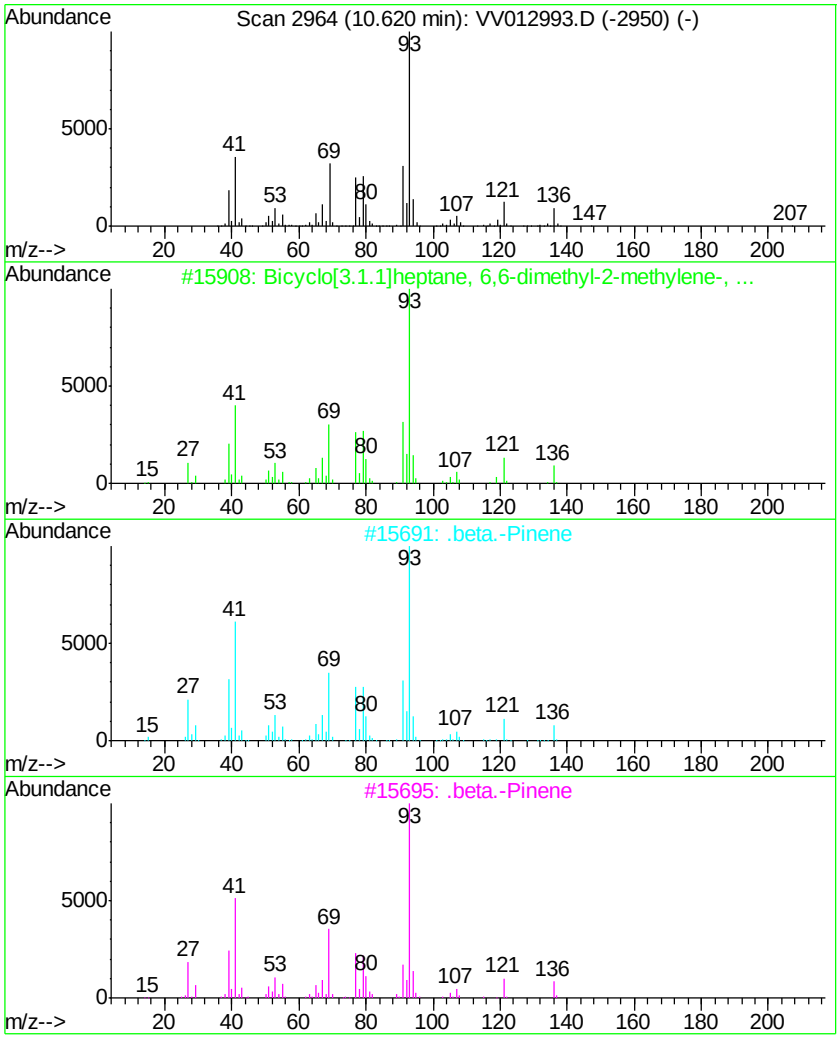
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

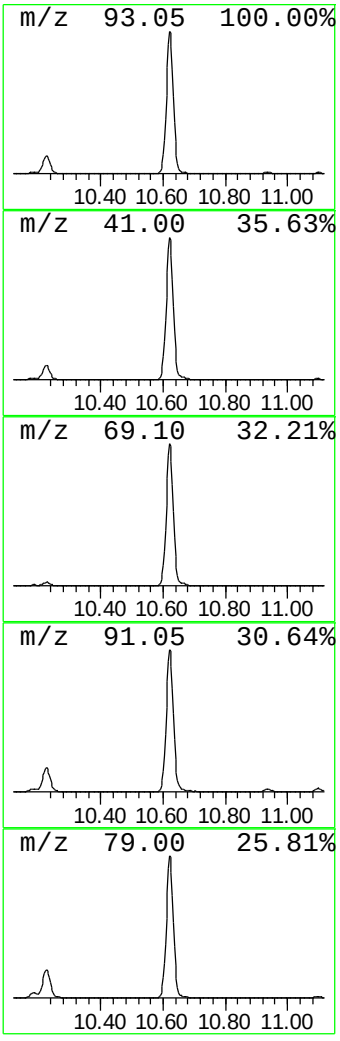
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	41.64 ug/L	2797470	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
2	.beta.-Pinene	136	C10H16	000127-91-3	95
3	.beta.-Pinene	136	C10H16	000127-91-3	94
4	.beta.-Pinene	136	C10H16	000127-91-3	94
5	.alpha.-Pinene	136	C10H16	000080-56-8	93





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

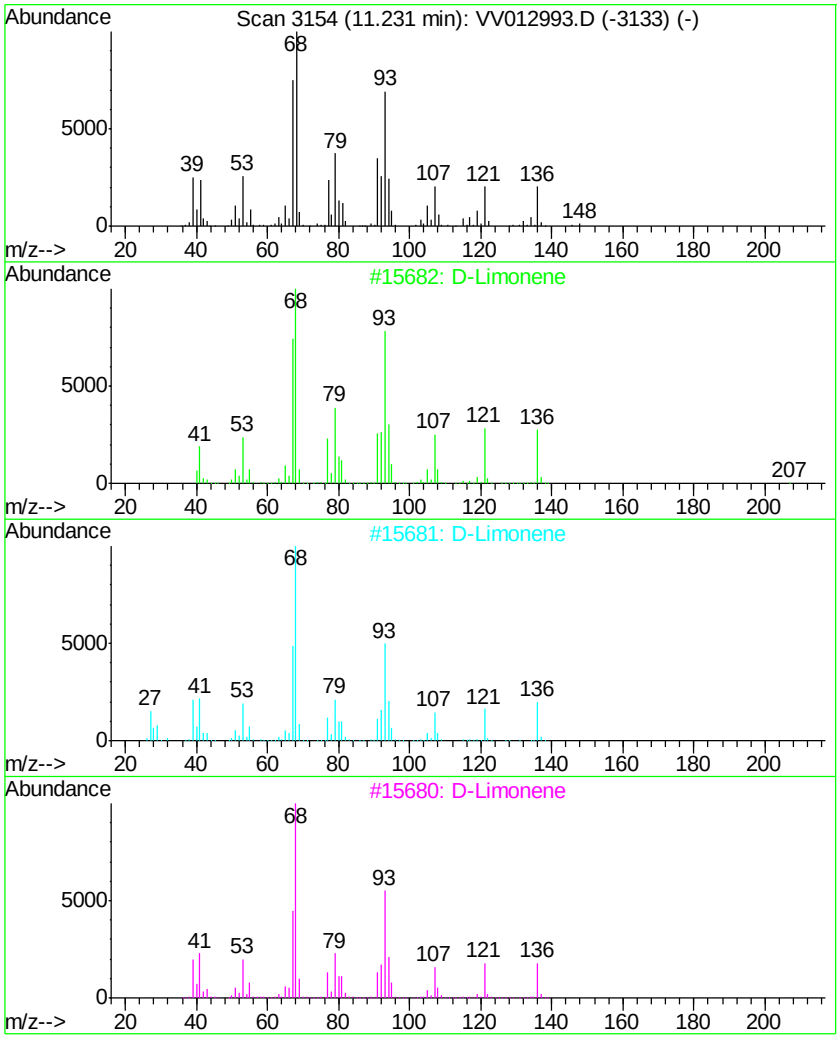
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

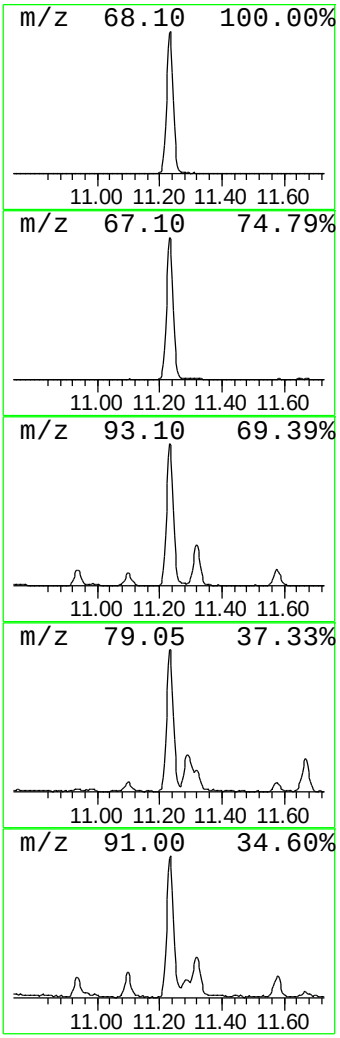
****

Peak Number 4 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	7.66 ug/L	514727	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	94
3	D-Limonene	136	C10H16	005989-27-5	94
4	Limonene	136	C10H16	000138-86-3	94
5	Limonene	136	C10H16	000138-86-3	81





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ClientSampleId : ESNY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

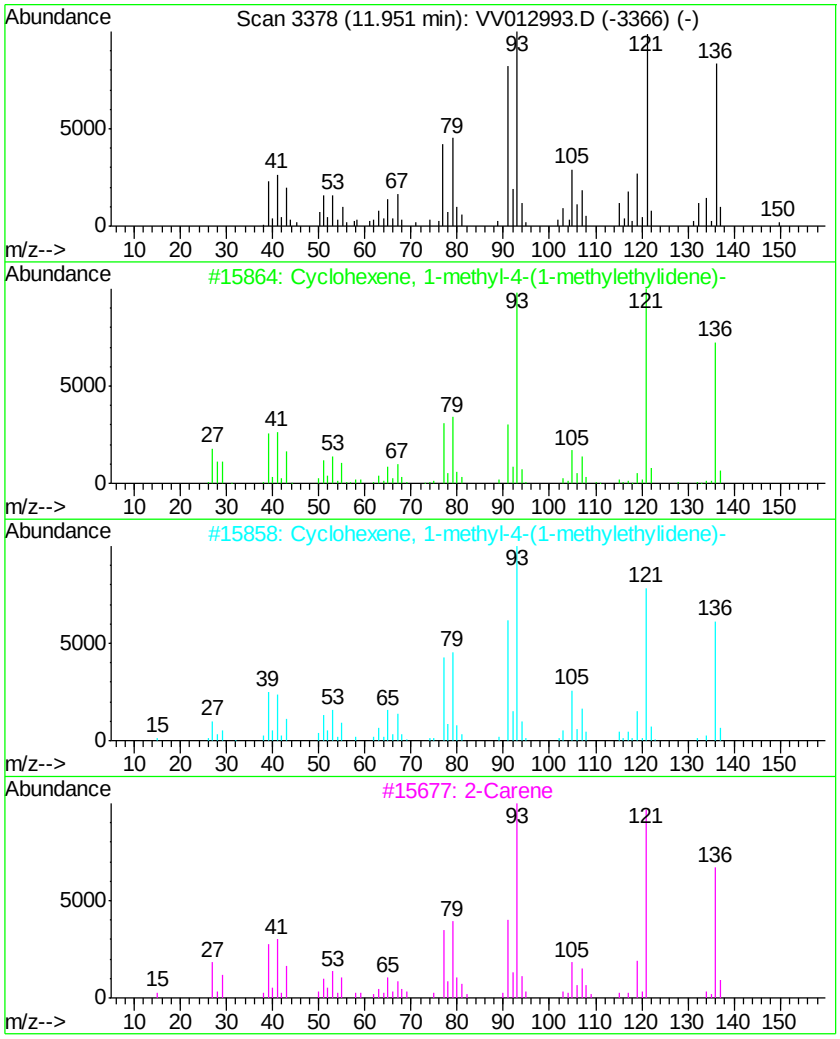
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

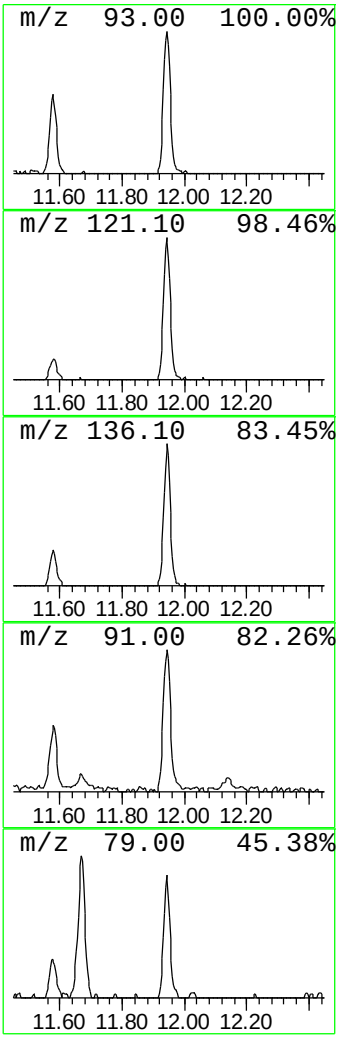
****

Peak Number 5 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	1.56 ug/L	104976	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95
3	2-Carene	136	C10H16	000554-61-0	94
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	93
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93





Tentatively Identified Compound (LSC) summary

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Instrument : MSVOA_V
ClientSampleId : ESNY8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	9.95	34.3	ug/L	2276340	2	8.89	1660040	25.0
Bicyclo[3.1.1]hep...	10.62	41.6	ug/L	2797470	3	11.29	1679570	25.0
D-Limonene	11.23	7.7	ug/L	514727	3	11.29	1679570	25.0
Cyclohexene, 1-me...	11.95	1.6	ug/L	104976	3	11.29	1679570	25.0