LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
Data File : VV009376.D
Acq On : 26 Feb 2019 19:29
Operator : SY/MD
Sample : K1579-15
Misc : 7.66G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

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\SOM2VLM022619S.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	1.319	65	71	86	rVB	88213	88501	14.84%	1.756%
2	1.579	147	152	180	rVB	132477	188855	31.67%	3.746%
3	2.129	315	323	347	rVB	205235	309318	51.87%	6.136%
4	2.537	441	450	465	rBV2	11700	20279	3.40%	0.402%
5	2.740	511	513	517	rVB4	697	492	0.08%	0.010%
6	2.762	517	520	523	rBV2	419	392	0.07%	0.008%
7	3.032	601	604	606	rBV	502	309	0.05%	0.006%
8	3.077	606	618	627	rVV5	4421	9382	1.57%	0.186%
9	3.200	654	656	658	rBV	414	287	0.05%	0.006%
10	3.235	665	667	671	rVB2	538	306	0.05%	0.006%
11	3.286	681	683	688	rBV3	383	359	0.06%	0.007%
12	3.335	696	698	701	rBV2	406	291	0.05%	0.006%
13	3.450	732	734	736	rBV	296	213	0.04%	0.004%
14	3.463	736	738	742	rVV3	521	313	0.05%	0.006%
15	3.608	779	783	786	rBV2	551	500	0.08%	0.010%
16	3.685	803	807	810	rBV	432	417	0.07%	0.008%
17	3.704	810	813	815	rVB2	449	284	0.05%	0.006%
18	3.804	842	844	848	rVB3	619	311	0.05%	0.006%
19	3.881	864	868	870	rBV4	492	366	0.06%	0.007%
20	3.897	870	873	875	rBV	371	213	0.04%	0.004%
21	3.952	880	890	918	rVV2	15811	44610	7.48%	0.885%
22	4.171	955	958	960	rBV3	581	421	0.07%	0.008%
23	4.402	1012	1030	1053	rVV	100537	246892	41.40%	4.898%
24	4.598	1090	1091	1093	rBV2	535	274	0.05%	0.005%
25	4.740	1133	1135	1137	rBV2	585	311	0.05%	0.006%
26	4.801	1151	1154	1157	rBV3	425	248	0.04%	0.005%
27	4.923	1186	1192	1193	rBV	279	264	0.04%	0.005%
28	5.097	1228	1246	1277	rBV3	231369	591000	99.11%	11.724%
29	5.495	1366	1370	1372	rBV3	428	372	0.06%	0.007%
30	5.666	1409	1423	1440	rBV	178051	357029	59.87%	7.082%
31	5.955	1509	1513	1515	rVV5	754	615	0.10%	0.012%
32	6.016	1529	1532	1534	rVV3	506	321	0.05%	0.006%
33	6.064	1544	1547	1550	rBV3	490	473	0.08%	0.009%
34	6.119	1551	1564	1594	rVV2	130726	270723	45.40%	5.370%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
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Operator : SY/MD
Sample : K1579-15
Misc : 7.66G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

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\SOM2VLM022619S.M
Title : VOC Analysis

35	6.309	1619	1623	1624	rBV2	510	365	0.06%	0.007%
36	6.367	1639	1641	1645	rBV3	310	225	0.04%	0.004%
37	6.431	1658	1661	1663	rBV2	598	430	0.07%	0.009%
38	6.515	1685	1687	1690	rBV2	298	214	0.04%	0.004%
39	6.627	1718	1722	1724	rBV2	444	388	0.07%	0.008%
40	6.675	1733	1737	1740	rBV3	630	633	0.11%	0.013%
41	6.814	1778	1780	1783	rBV2	557	417	0.07%	0.008%
42	6.932	1814	1817	1819	rBV	460	236	0.04%	0.005%
43	7.029	1835	1847	1864	rBV2	79941	147624	24.76%	2.928%
44	7.212	1902	1904	1906	rVB	538	277	0.05%	0.005%
45	7.360	1936	1950	1976	rBV	273598	503811	84.48%	9.994%
46	7.666	2034	2045	2061	rBV	51971	91146	15.28%	1.808%
47	7.820	2089	2093	2097	rBV4	772	1008	0.17%	0.020%
48	8.058	2164	2167	2171	rBV3	361	301	0.05%	0.006%
49	8.138	2180	2192	2217	rBV2	70715	138531	23.23%	2.748%
50	8.341	2251	2255	2258	rBV3	343	324	0.05%	0.006%
51	8.457	2285	2291	2294	rBV2	613	651	0.11%	0.013%
52	8.524	2308	2312	2313	rBV2	449	233	0.04%	0.005%
53	8.592	2328	2333	2334	rBV2	408	339	0.06%	0.007%
54	8.624	2342	2343	2347	rBV	381	269	0.05%	0.005%
55	8.643	2347	2349	2352	rVV2	551	303	0.05%	0.006%
56	8.669	2355	2357	2362	rVB2	335	304	0.05%	0.006%
57	8.698	2362	2366	2368	rBV2	505	447	0.07%	0.009%
58	8.897	2415	2428	2452	rBV	261117	438033	73.45%	8.689%
59	9.067	2478	2481	2483	rVB	501	269	0.05%	0.005%
60	9.080	2483	2485	2488	rBV3	397	210	0.04%	0.004%
61	9.132	2499	2501	2505	rBV3	338	296	0.05%	0.006%
62	9.177	2512	2515	2516	rBV2	608	392	0.07%	0.008%
63	9.363	2569	2573	2576	rVV2	371	356	0.06%	0.007%
64	9.392	2580	2582	2586	rVB	318	207	0.03%	0.004%
65	9.575	2633	2639	2643	rBV5	510	644	0.11%	0.013%
66	9.595	2643	2645	2647	rBV2	443	213	0.04%	0.004%
67	9.797	2700	2708	2717	rVB6	3516	5366	0.90%	0.106%
68	9.887	2733	2736	2737	rBV2	305	218	0.04%	0.004%
69	9.952	2742	2756	2780	rVB	357681	596335	100.00%	11.830%
70	10.183	2823	2828	2829	rBV3	2191	1498	0.25%	0.030%
71	10.228	2835	2842	2845	rBV3	26755	35759	6.00%	0.709%

LSC Area Percent Report

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Sample : K1579-15
Misc : 7.66G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

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\SOM2VLM022619S.M
Title : VOC Analysis

72	10.421	2898	2902	2904	rBV3	439	302	0.05%	0.006%
73	10.563	2942	2946	2948	rBV2	439	341	0.06%	0.007%
74	10.624	2956	2965	2974	rBV2	17223	27514	4.61%	0.546%
75	10.669	2974	2979	2988	rVB7	2424	3261	0.55%	0.065%
76	10.749	3003	3004	3009	rVB3	467	292	0.05%	0.006%
77	10.936	3055	3062	3065	rBV4	1301	1509	0.25%	0.030%
78	10.990	3070	3079	3092	rVB2	44941	69405	11.64%	1.377%
79	11.103	3107	3114	3119	rBV5	910	1167	0.20%	0.023%
80	11.135	3123	3124	3127	rVB2	581	258	0.04%	0.005%
81	11.154	3127	3130	3133	rBV2	504	290	0.05%	0.006%
82	11.238	3147	3156	3163	rBV2	20624	30844	5.17%	0.612%
83	11.296	3164	3174	3192	rVB	241652	394408	66.14%	7.824%
84	11.402	3204	3207	3210	rBV	417	307	0.05%	0.006%
85	11.421	3210	3213	3216	rVB2	805	410	0.07%	0.008%
86	11.444	3216	3220	3225	rVB4	403	349	0.06%	0.007%
87	11.476	3225	3230	3231	rBV2	384	325	0.05%	0.006%
88	11.672	3280	3291	3315	rVB	248577	394621	66.17%	7.828%
89	11.878	3351	3355	3357	rBV2	453	318	0.05%	0.006%
90	11.948	3370	3377	3385	rVB8	4494	7145	1.20%	0.142%
91	12.087	3416	3420	3422	rBV	378	335	0.06%	0.007%
92	12.624	3584	3587	3590	rBV3	803	549	0.09%	0.011%
93	12.691	3605	3608	3611	rBV2	469	277	0.05%	0.005%
94	13.122	3740	3742	3745	rBV2	513	373	0.06%	0.007%
95	13.189	3760	3763	3767	rBV4	529	385	0.06%	0.008%
96	13.225	3767	3774	3780	rVV5	706	898	0.15%	0.018%
97	13.408	3829	3831	3835	rVB4	607	366	0.06%	0.007%
98	13.453	3843	3845	3846	rBV2	430	219	0.04%	0.004%
99	13.916	3986	3989	3994	rBV3	726	714	0.12%	0.014%
100	14.173	4066	4069	4075	rBV3	674	684	0.11%	0.014%

Sum of corrected areas: 5041079

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\
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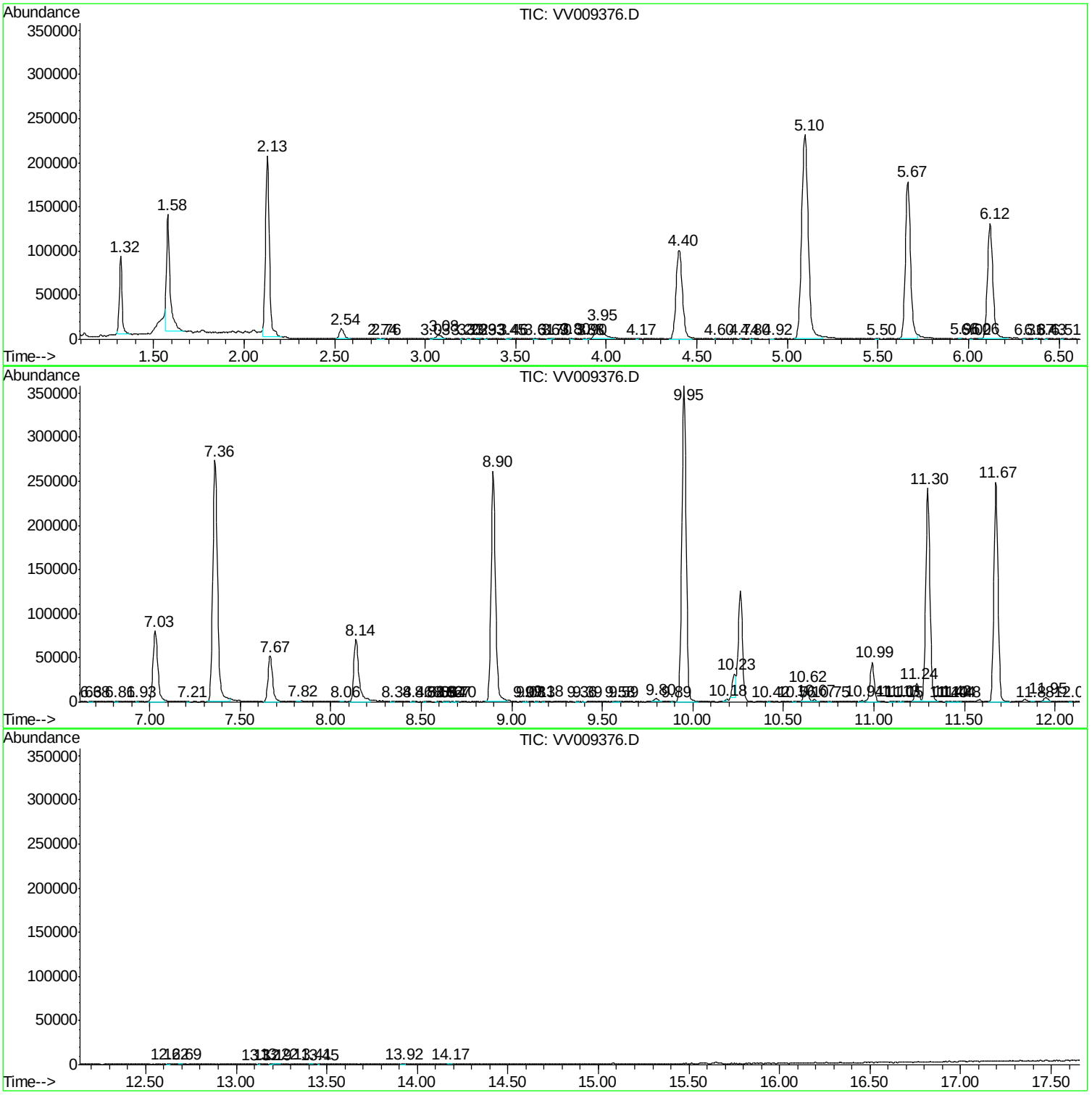
Sample : K1579-15
Misc : 7.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\
Data File : VV009376.D
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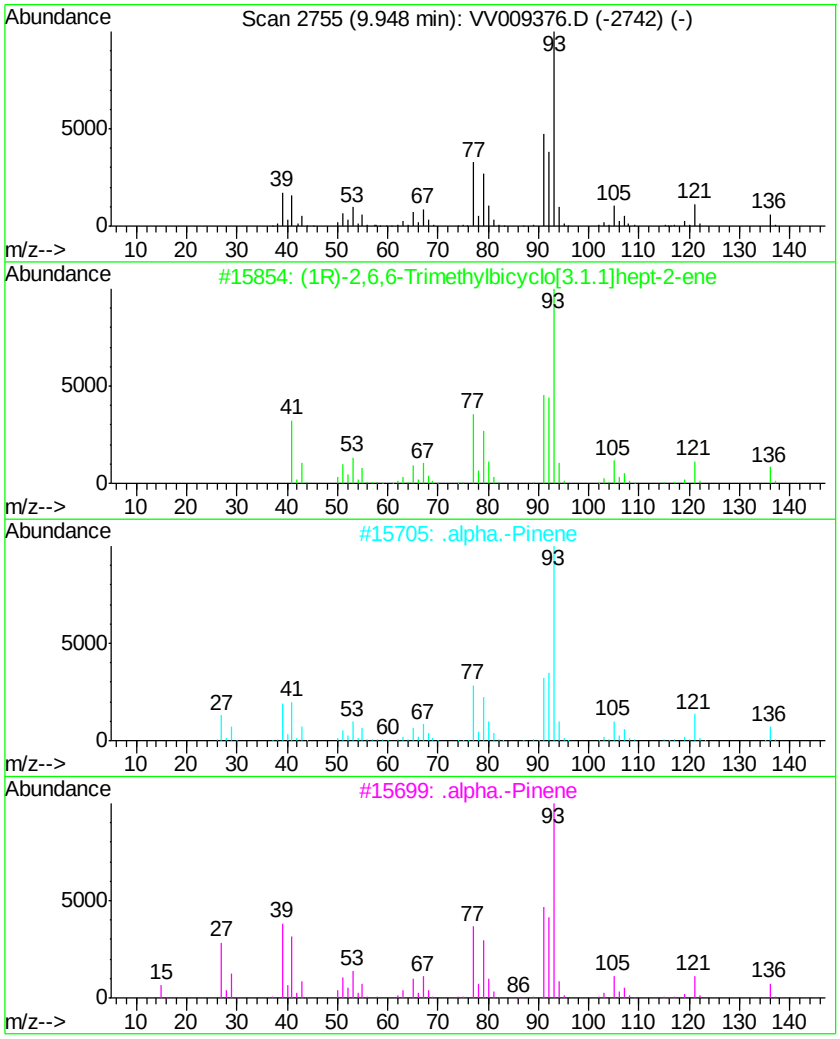
TIC Integration Parameters: LSCINT.P

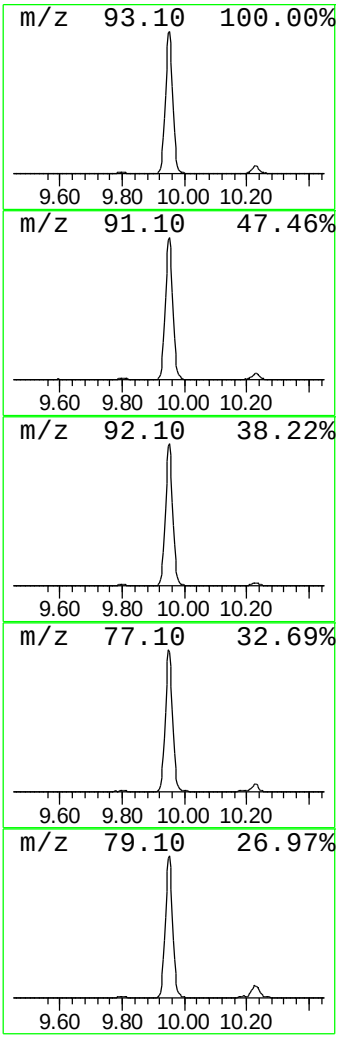
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	34.03 ug/L	596335	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
2	.alpha.-Pinene	136	C10H16	000080-56-8	96
3	.alpha.-Pinene	136	C10H16	000080-56-8	95
4	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94





Library Search Compound Report

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Instrument : MSVOA_V
ClientSampleId : DB610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis

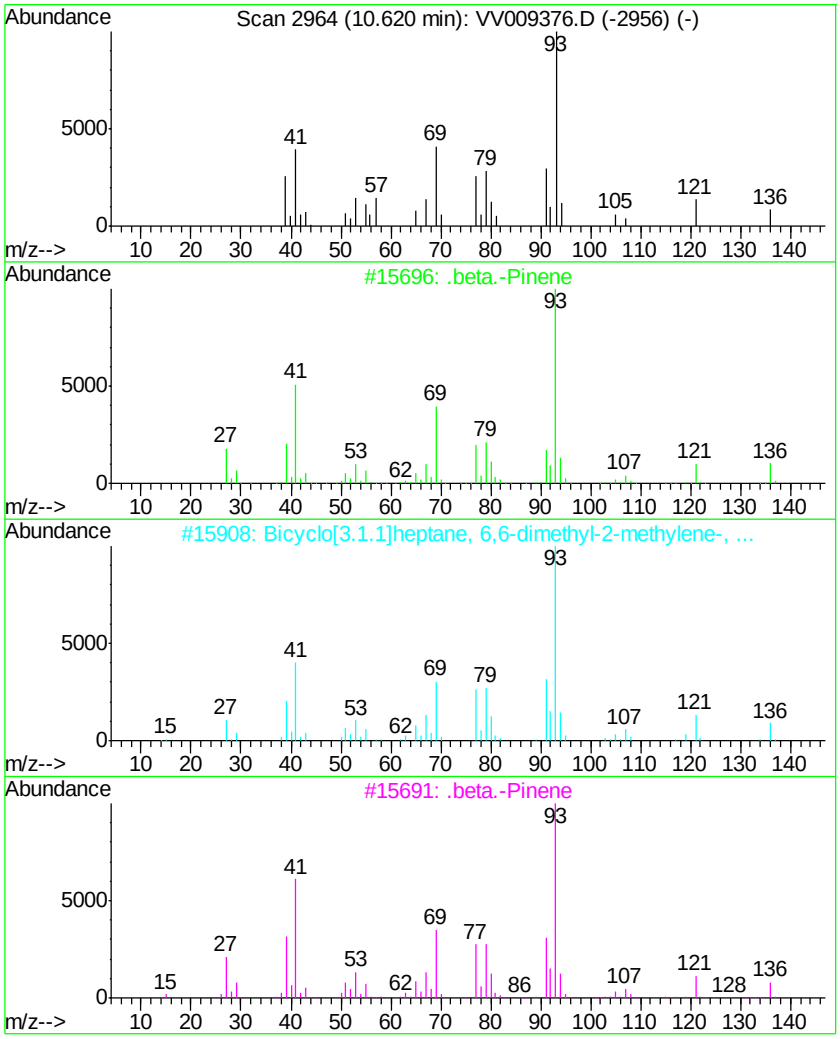
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

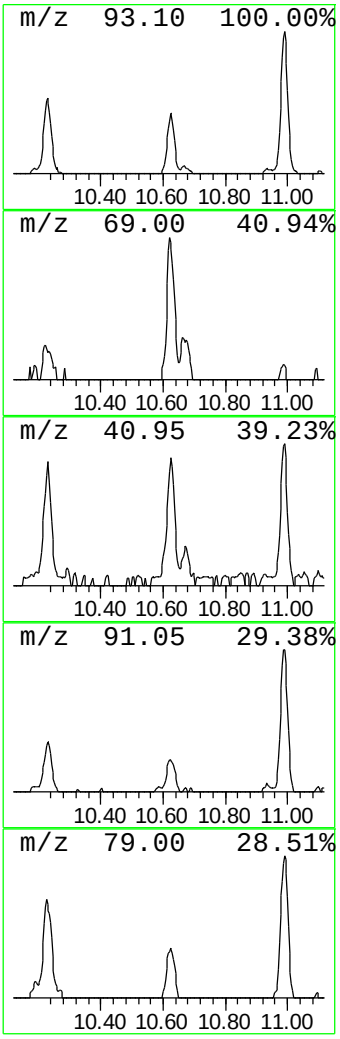
****

Peak Number 3 .beta.-Pinene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	1.74 ug/L	27514	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Pinene	136	C10H16	000127-91-3	95
2	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
3	.beta.-Pinene	136	C10H16	000127-91-3	91
4	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
5	.beta.-Pinene	136	C10H16	000127-91-3	91





Library Search Compound Report

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Acq On : 26 Feb 2019 19:29
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Instrument : MSVOA_V
ClientSampleId : DB610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis

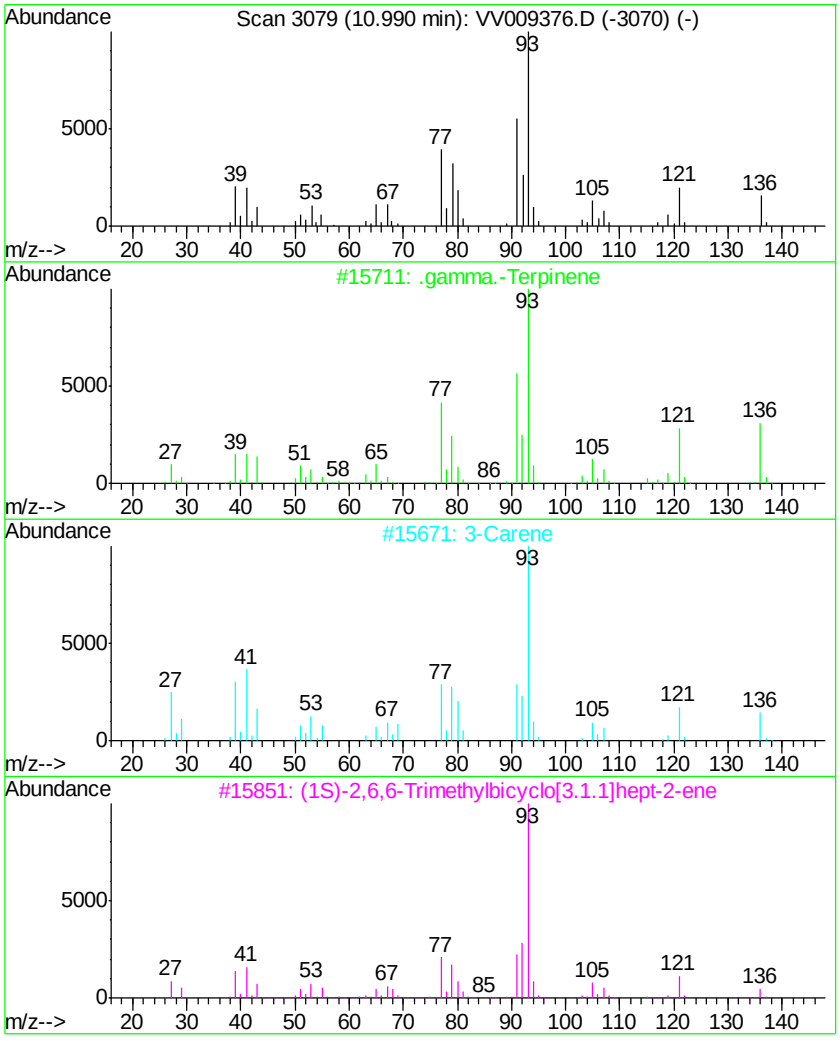
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

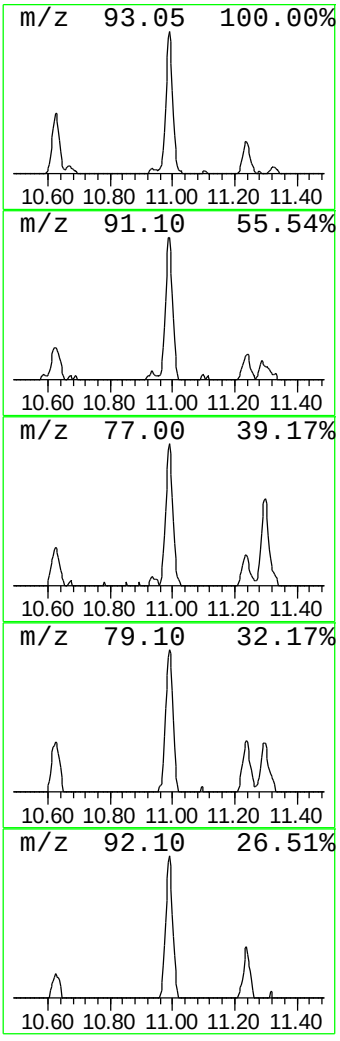
****

Peak Number 4 .gamma.-Terpinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	4.40 ug/L	69405	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	95
2	3-Carene	136	C10H16	013466-78-9	95
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	95
4	(+)-3-Carene	136	C10H16	000498-15-7	94
5	3-Carene	136	C10H16	013466-78-9	94





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Data File : VV009376.D
Acq On : 26 Feb 2019 19:29
Operator : SY/MD
Sample : K1579-15
Misc : 7.66G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis

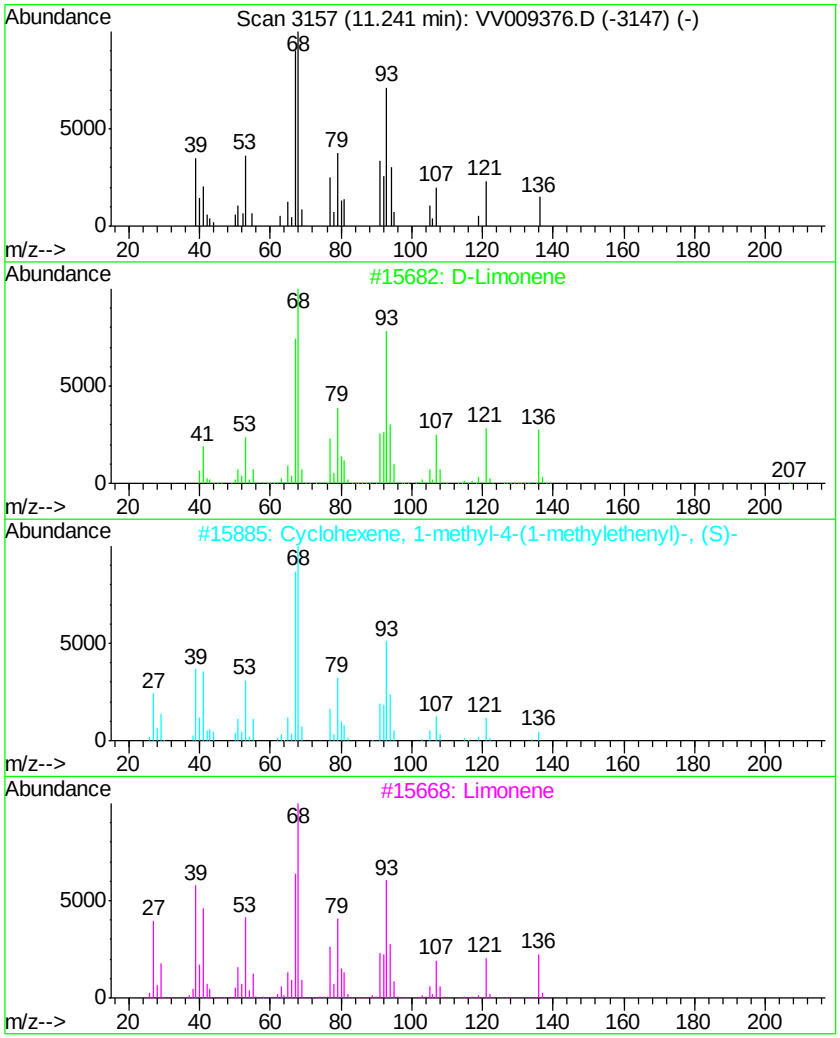
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

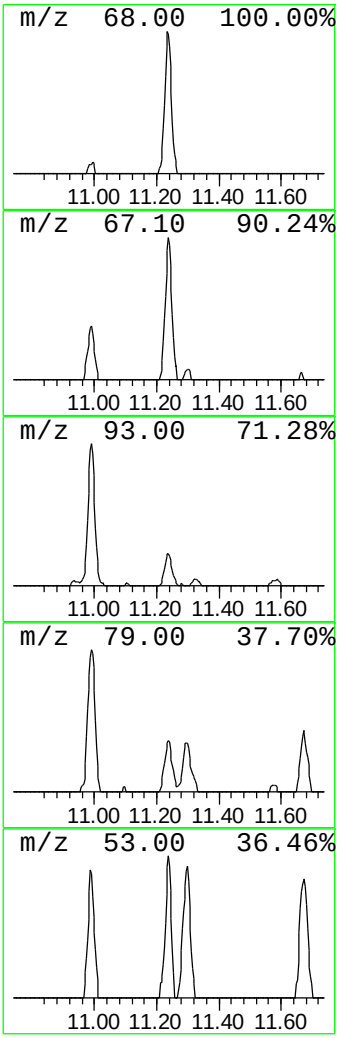
****

Peak Number 5 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	1.96 ug/L	30844	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
3	Limonene	136	C10H16	000138-86-3	91
4	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	90
5	D-Limonene	136	C10H16	005989-27-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\
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Acq On : 26 Feb 2019 19:29
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DB610

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.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
(1R)-2,6,6-Trimet...	9.95	34.0	ug/L	596335	2	8.90	438033	25.0
.beta.-Pinene	10.62	1.7	ug/L	27514	3	11.30	394408	25.0
.gamma.-Terpinene	10.99	4.4	ug/L	69405	3	11.30	394408	25.0
D-Limonene	11.24	2.0	ug/L	30844	3	11.30	394408	25.0