LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

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\SFAMVLM050624SMA.M
Title : VOC Analysis

Signal : TIC: VV035852.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.275	66	73	87	rVB	327485	351106	15.97%	1.733%
2	1.529	144	152	166	rVB	264170	310736	14.13%	1.534%
3	2.053	305	315	344	rVB	554219	814263	37.04%	4.019%
4	2.442	426	436	457	rVB	74760	129578	5.89%	0.640%
5	2.555	462	471	494	rVB	28416	58640	2.67%	0.289%
6	2.963	584	598	617	rBV2	18677	39480	1.80%	0.195%
7	3.076	625	633	635	rBV5	939	1322	0.06%	0.007%
8	3.117	643	646	649	rBV4	678	398	0.02%	0.002%
9	3.146	652	655	657	rBV3	820	535	0.02%	0.003%
10	3.429	740	743	746	rVB3	654	429	0.02%	0.002%
11	3.529	771	774	777	rBV3	527	294	0.01%	0.001%
12	3.603	795	797	802	rVB3	412	288	0.01%	0.001%
13	3.670	815	818	824	rVB5	495	369	0.02%	0.002%
14	3.748	839	842	849	rVB5	551	541	0.02%	0.003%
15	3.834	850	869	916	rBV3	75935	393308	17.89%	1.941%
16	4.246	982	997	1029	rBV	351659	922963	41.98%	4.556%
17	4.712	1137	1142	1143	rBV3	614	443	0.02%	0.002%
18	4.953	1200	1217	1260	rBV2	853868	2198456	100.00%	10.852%
19	5.256	1308	1311	1312	rBV2	801	448	0.02%	0.002%
20	5.532	1385	1397	1432	rBV	775819	1612912	73.37%	7.962%
21	5.825	1471	1488	1511	rBV	64716	149988	6.82%	0.740%
22	5.985	1525	1538	1572	rBV	486846	1026737	46.70%	5.068%
23	6.268	1623	1626	1628	rBV3	943	700	0.03%	0.003%
24	6.291	1631	1633	1635	rBV	552	266	0.01%	0.001%
25	6.352	1650	1652	1654	rVB3	694	311	0.01%	0.002%
26	6.368	1655	1657	1659	rBV3	730	376	0.02%	0.002%
27	6.442	1677	1680	1683	rBV3	791	477	0.02%	0.002%
28	6.506	1697	1700	1701	rBV	534	302	0.01%	0.001%
29	6.535	1706	1709	1713	rVB3	551	484	0.02%	0.002%
30	6.680	1752	1754	1756	rBV2	553	269	0.01%	0.001%
31	6.911	1816	1826	1869	rBV	230538	443399	20.17%	2.189%
32	7.239	1917	1928	1964	rBV	943489	1679384	76.39%	8.290%
33	7.555	2016	2026	2057	rBV	153613	295087	13.42%	1.457%
34	7.876	2114	2126	2145	rVB2	19614	39386	1.79%	0.194%
35	8.030	2165	2174	2219	rBV	210421	490033	22.29%	2.419%
36	8.294	2254	2256	2257	rBV2	915	497	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

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\SFAMVLM050624SMA.M
Title : VOC Analysis

37	8.362	2268	2277	2293	rVV2	26270	48008	2.18%	0.237%
38	8.436	2297	2300	2303	rVB2	767	439	0.02%	0.002%
39	8.506	2318	2322	2324	rBV4	717	579	0.03%	0.003%
40	8.545	2329	2334	2340	rBV7	648	851	0.04%	0.004%
41	8.603	2350	2352	2360	rVB6	1406	1096	0.05%	0.005%
42	8.641	2360	2364	2365	rBV3	481	340	0.02%	0.002%
43	8.783	2396	2408	2440	rBV	1216771	2005721	91.23%	9.901%
44	9.046	2488	2490	2492	rBV3	706	353	0.02%	0.002%
45	9.159	2523	2525	2528	rBV4	554	321	0.01%	0.002%
46	9.246	2549	2552	2553	rBV	508	301	0.01%	0.001%
47	9.281	2561	2563	2567	rVB2	581	316	0.01%	0.002%
48	9.316	2571	2574	2578	rVV3	387	282	0.01%	0.001%
49	9.384	2590	2595	2596	rBV3	826	497	0.02%	0.002%
50	9.487	2622	2627	2630	rBV5	726	811	0.04%	0.004%
51	9.593	2655	2660	2663	rBV2	301	323	0.01%	0.002%
52	9.686	2678	2689	2699	rBV2	17437	29120	1.32%	0.144%
53	9.837	2723	2736	2758	rBV	416558	696606	31.69%	3.439%
54	10.075	2799	2810	2813	rBV5	26352	40673	1.85%	0.201%
55	10.114	2813	2822	2828	rVV	275541	462656	21.04%	2.284%
56	10.152	2828	2834	2850	rVB	411052	645367	29.36%	3.186%
57	10.323	2877	2887	2900	rVB	51790	85941	3.91%	0.424%
58	10.455	2924	2928	2929	rBV2	481	309	0.01%	0.002%
59	10.464	2929	2931	2932	rBV2	556	260	0.01%	0.001%
60	10.513	2932	2946	2958	rBV	646729	1051452	47.83%	5.190%
61	10.741	3015	3017	3023	rVB6	1461	1374	0.06%	0.007%
62	10.805	3035	3037	3039	rBV2	536	315	0.01%	0.002%
63	10.879	3039	3060	3072	rVB2	58637	109326	4.97%	0.540%
64	10.995	3082	3096	3106	rBV4	11263	22007	1.00%	0.109%
65	11.082	3114	3123	3128	rBV4	15968	24756	1.13%	0.122%
66	11.127	3128	3137	3145	rVV	132162	197924	9.00%	0.977%
67	11.181	3145	3154	3178	rVB	1366240	2136252	97.17%	10.545%
68	11.474	3238	3245	3255	rBV5	9053	13728	0.62%	0.068%
69	11.558	3260	3271	3302	rBV	973059	1539259	70.02%	7.598%
70	11.841	3351	3359	3376	rVB3	21503	34418	1.57%	0.170%
71	11.902	3376	3378	3379	rBV2	815	359	0.02%	0.002%
72	12.037	3413	3420	3429	rVB7	5429	7896	0.36%	0.039%
73	12.120	3444	3446	3449	rBV3	606	353	0.02%	0.002%
74	12.194	3458	3469	3478	rBV2	16867	27787	1.26%	0.137%
75	12.320	3500	3508	3512	rBV5	2356	3177	0.14%	0.016%
76	12.506	3564	3566	3569	rVB	468	275	0.01%	0.001%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
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Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

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\SFAMVLM050624SMA.M
Title : VOC Analysis

77	12.535	3571	3575	3578	rBV5	1093	1062	0.05%	0.005%
78	12.577	3580	3588	3596	rVB7	3097	5527	0.25%	0.027%
79	12.792	3653	3655	3658	rBV3	453	311	0.01%	0.002%
80	12.828	3658	3666	3674	rVB5	4222	5911	0.27%	0.029%
81	12.898	3684	3688	3689	rBV2	505	295	0.01%	0.001%
82	12.931	3695	3698	3701	rBV5	452	363	0.02%	0.002%
83	13.098	3734	3750	3766	rBV5	17361	37638	1.71%	0.186%
84	13.207	3779	3784	3785	rBV3	1237	977	0.04%	0.005%
85	13.265	3799	3802	3806	rBV2	702	582	0.03%	0.003%
86	13.303	3810	3814	3815	rBV3	1278	894	0.04%	0.004%
87	13.419	3839	3850	3852	rBV6	2678	3033	0.14%	0.015%
88	13.471	3862	3866	3874	rVB6	2990	3767	0.17%	0.019%
89	13.545	3883	3889	3890	rBV3	3266	2449	0.11%	0.012%
90	13.628	3912	3915	3917	rBV3	466	271	0.01%	0.001%
91	13.683	3923	3932	3948	rVB	16208	25152	1.14%	0.124%
92	13.818	3970	3974	3976	rBV4	774	624	0.03%	0.003%
93	14.120	4065	4068	4070	rBV4	1075	794	0.04%	0.004%
94	14.223	4098	4100	4106	rVB6	886	701	0.03%	0.003%
95	14.278	4115	4117	4126	rVB6	846	857	0.04%	0.004%
96	14.419	4158	4161	4163	rBV3	447	318	0.01%	0.002%
97	14.525	4190	4194	4195	rBV2	831	494	0.02%	0.002%
98	14.783	4270	4274	4284	rVB7	2571	3392	0.15%	0.017%
99	14.956	4322	4328	4336	rVB7	2713	3305	0.15%	0.016%
100	15.120	4373	4379	4389	rBV7	2212	3448	0.16%	0.017%

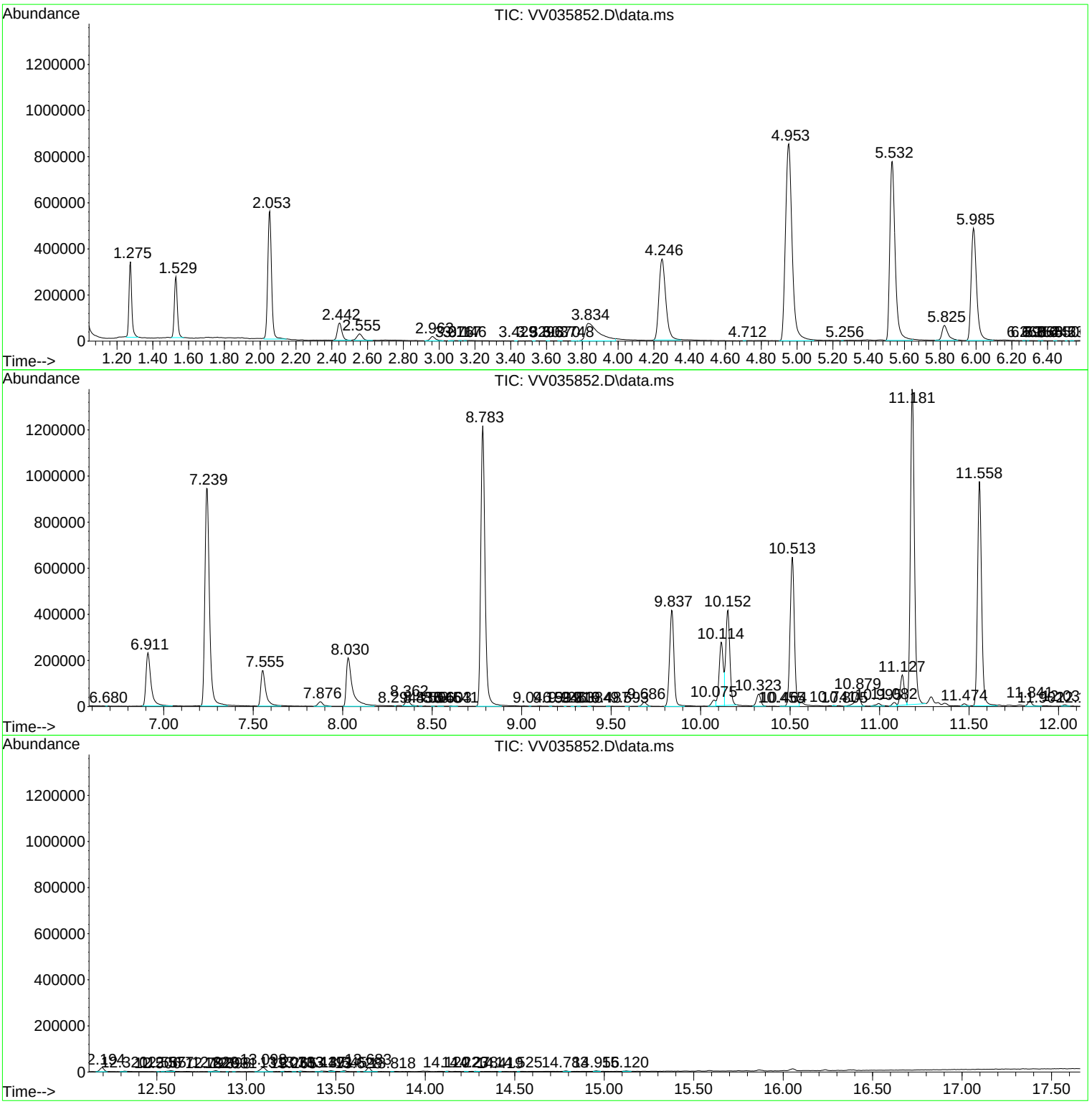
Sum of corrected areas: 20258198

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

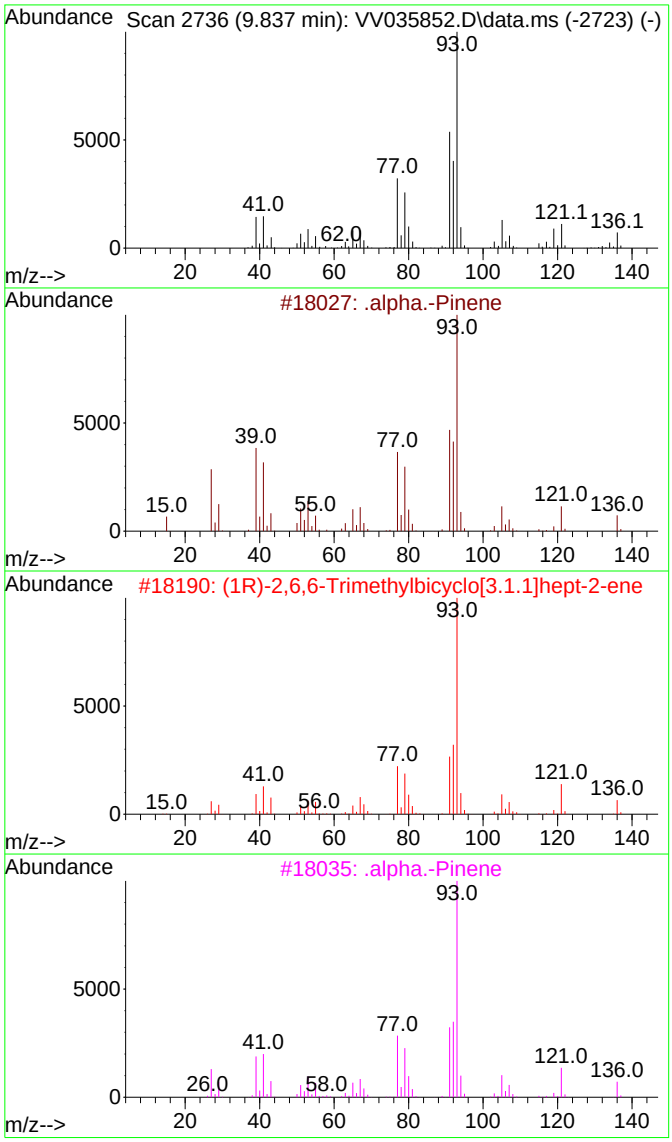
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

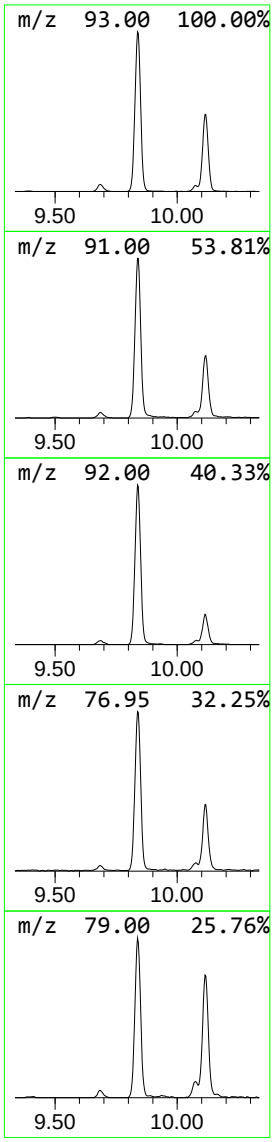
****

Peak Number 4 .alpha.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.837	8.68 ug/L	696606	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	.alpha.-Pinene	136	C10H16	000080-56-8	93
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	.alpha.-Pinene	136	C10H16	000080-56-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

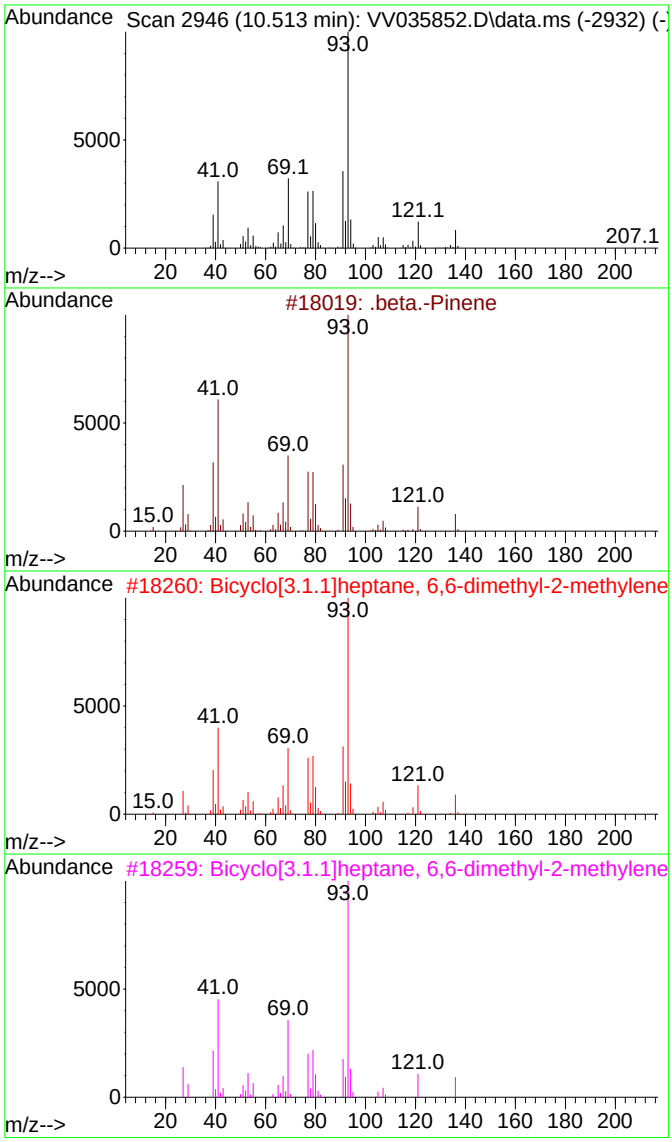
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

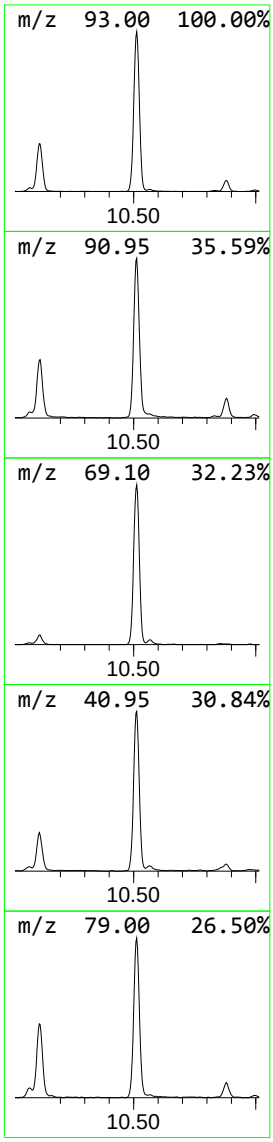
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.513	12.30 ug/L	1051450	1,4-Dichlorobenzene-d4	11.185

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	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94
4	.beta.-Pinene	136	C10H16	000127-91-3	94
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

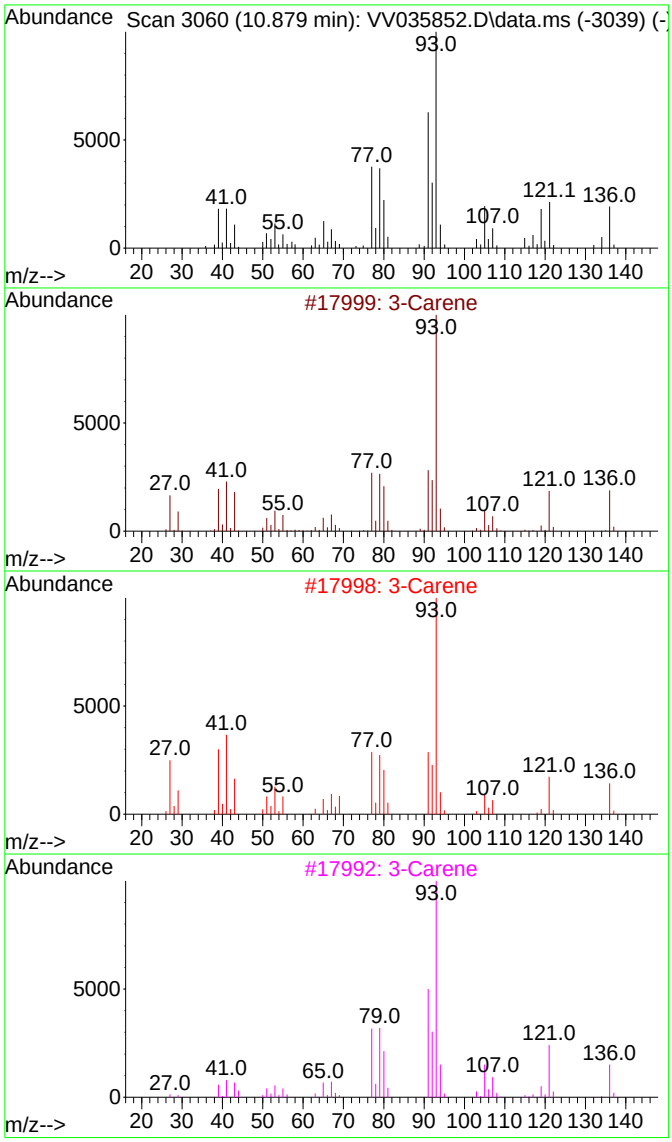
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

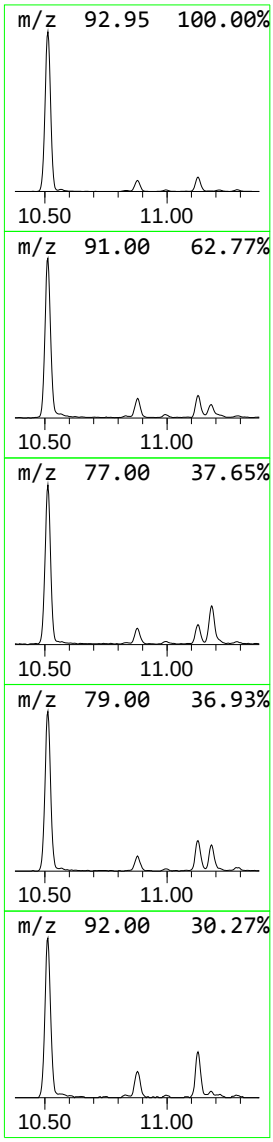
****

Peak Number 6 3-Carene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.879	1.28 ug/L	109326	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carene	136	C10H16	013466-78-9	93
2	3-Carene	136	C10H16	013466-78-9	93
3	3-Carene	136	C10H16	013466-78-9	93
4	(+)-3-Carene	136	C10H16	000498-15-7	90
5	.gamma.-Terpinene	136	C10H16	000099-85-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

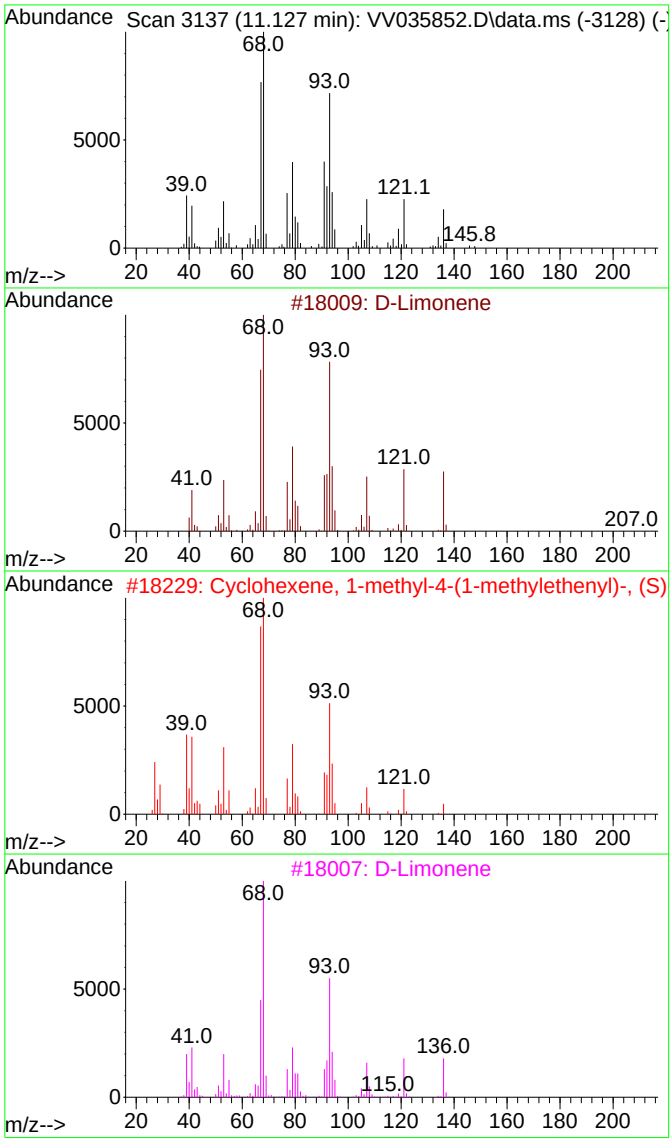
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

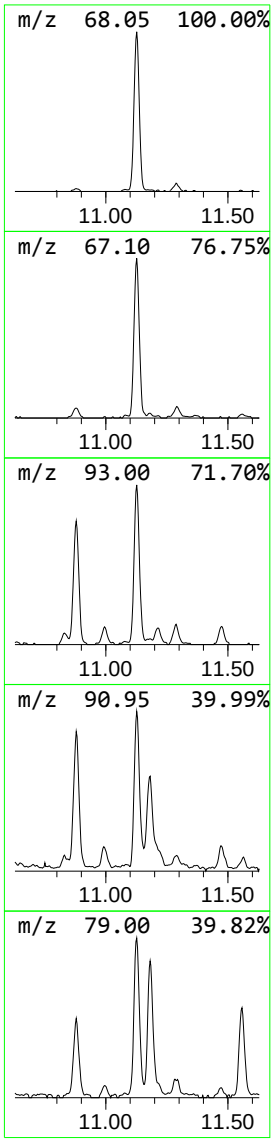
****

Peak Number 7 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.127	2.32 ug/L	197924	1,4-Dichlorobenzene-d4	11.185

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052824\
Data File : VV035852.D
Acq On : 28 May 2024 17:27
Operator : SY/MD
Sample : P2632-04
Misc : 6.59g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHBX0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Pinene	9.837	8.7	ug/L	696606	2	8.783	2005720	25.0
.beta.-Pinene	10.513	12.3	ug/L	1051450	3	11.185	2136250	25.0
3-Carene	10.879	1.3	ug/L	109326	3	11.185	2136250	25.0
D-Limonene	11.127	2.3	ug/L	197924	3	11.185	2136250	25.0