LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035822.D
Acq On : 26 May 2024 01:16
Operator : SY/MD
Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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: VV035822.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.272	66	72	86	rVB	240429	259514	17.33%	2.244%
2	1.526	145	151	165	rVB	203825	241977	16.16%	2.092%
3	2.053	305	315	333	rBV	379167	569632	38.04%	4.925%
4	2.905	576	580	581	rBV	354	234	0.02%	0.002%
5	2.966	588	599	612	rBV8	4605	11231	0.75%	0.097%
6	3.114	641	645	648	rBV3	293	234	0.02%	0.002%
7	3.169	659	662	664	rBV	140	112	0.01%	0.001%
8	3.224	676	679	683	rBV3	337	348	0.02%	0.003%
9	3.243	683	685	689	rBV2	262	202	0.01%	0.002%
10	3.297	699	702	705	rVB2	522	311	0.02%	0.003%
11	3.320	705	709	715	rVB2	261	282	0.02%	0.002%
12	3.352	715	719	721	rBV2	409	318	0.02%	0.003%
13	3.391	729	731	733	rVB2	260	92	0.01%	0.001%
14	3.436	743	745	749	rVB	379	214	0.01%	0.002%
15	3.503	764	766	776	rVB2	336	409	0.03%	0.004%
16	3.674	816	819	823	rBV2	162	135	0.01%	0.001%
17	3.831	863	868	871	rBV4	467	498	0.03%	0.004%
18	3.879	874	883	884	rBV3	4863	6350	0.42%	0.055%
19	4.243	982	996	1033	rBV	261412	690739	46.13%	5.972%
20	4.699	1136	1138	1142	rVB4	477	284	0.02%	0.002%
21	4.786	1162	1165	1166	rBV3	239	142	0.01%	0.001%
22	4.831	1176	1179	1182	rBV2	348	268	0.02%	0.002%
23	4.876	1191	1193	1194	rBV	238	117	0.01%	0.001%
24	4.953	1201	1217	1256	rBV2	562904	1497376	100.00%	12.947%
25	5.336	1333	1336	1338	rBV3	485	315	0.02%	0.003%
26	5.365	1342	1345	1352	rBV3	345	297	0.02%	0.003%
27	5.529	1385	1396	1435	rBV	575758	1234420	82.44%	10.673%
28	5.828	1480	1489	1510	rVB4	16670	39037	2.61%	0.338%
29	5.985	1524	1538	1575	rBV	355592	754935	50.42%	6.527%
30	6.310	1636	1639	1640	rBV2	457	203	0.01%	0.002%
31	6.346	1649	1650	1653	rVB3	367	153	0.01%	0.001%
32	6.375	1657	1659	1663	rVB	610	309	0.02%	0.003%
33	6.397	1663	1666	1668	rBV	387	272	0.02%	0.002%
34	6.436	1677	1678	1681	rBV	225	131	0.01%	0.001%
35	6.452	1681	1683	1688	rVB2	632	325	0.02%	0.003%
36	6.516	1700	1703	1705	rBV2	271	147	0.01%	0.001%

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Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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\SFAMVLM050624SMA.M
Title : VOC Analysis

37	6.529	1705	1707	1709	rBV2	205	104	0.01%	0.001%
38	6.567	1717	1719	1722	rVB2	231	88	0.01%	0.001%
39	6.587	1722	1725	1730	rBV2	334	274	0.02%	0.002%
40	6.680	1751	1754	1757	rBV	459	324	0.02%	0.003%
41	6.712	1762	1764	1766	rVB	286	118	0.01%	0.001%
42	6.731	1766	1770	1774	rBV3	363	285	0.02%	0.002%
43	6.786	1784	1787	1788	rVV	240	116	0.01%	0.001%
44	6.841	1800	1804	1806	rBV	199	150	0.01%	0.001%
45	6.866	1808	1812	1814	rBV	163	134	0.01%	0.001%
46	6.918	1816	1828	1854	rBV	50988	110945	7.41%	0.959%
47	7.120	1887	1891	1893	rBV2	369	253	0.02%	0.002%
48	7.182	1908	1910	1913	rBV2	227	139	0.01%	0.001%
49	7.198	1913	1915	1917	rVB	173	92	0.01%	0.001%
50	7.243	1917	1929	1961	rBV	535171	983291	65.67%	8.502%
51	7.561	2020	2028	2057	rBV2	36473	76445	5.11%	0.661%
52	7.786	2096	2098	2101	rBV2	407	242	0.02%	0.002%
53	7.805	2103	2104	2105	rBV2	362	126	0.01%	0.001%
54	7.873	2118	2125	2135	rVB3	3187	5484	0.37%	0.047%
55	7.940	2143	2146	2152	rVB3	633	492	0.03%	0.004%
56	8.014	2167	2169	2171	rBV3	377	200	0.01%	0.002%
57	8.088	2180	2192	2199	rBV6	2387	5050	0.34%	0.044%
58	8.137	2200	2207	2222	rVV4	11030	20079	1.34%	0.174%
59	8.233	2234	2237	2245	rBV6	629	689	0.05%	0.006%
60	8.317	2260	2263	2266	rBV3	517	337	0.02%	0.003%
61	8.400	2286	2289	2290	rBV	206	109	0.01%	0.001%
62	8.410	2290	2292	2294	rVB	349	124	0.01%	0.001%
63	8.426	2294	2297	2300	rBV2	226	194	0.01%	0.002%
64	8.445	2300	2303	2305	rBV	268	177	0.01%	0.002%
65	8.487	2313	2316	2319	rBV2	338	263	0.02%	0.002%
66	8.567	2336	2341	2346	rBV2	408	444	0.03%	0.004%
67	8.673	2369	2374	2376	rBV2	358	317	0.02%	0.003%
68	8.690	2376	2379	2381	rVB2	230	135	0.01%	0.001%
69	8.709	2381	2385	2387	rBV	454	334	0.02%	0.003%
70	8.783	2396	2408	2444	rBV	737711	1232662	82.32%	10.658%
71	9.095	2502	2505	2507	rBV3	461	321	0.02%	0.003%
72	9.191	2532	2535	2536	rBV2	360	199	0.01%	0.002%
73	9.259	2553	2556	2557	rBV2	286	134	0.01%	0.001%
74	9.297	2565	2568	2573	rBV2	574	556	0.04%	0.005%
75	9.323	2573	2576	2577	rBV	426	190	0.01%	0.002%
76	9.358	2585	2587	2593	rVB3	439	284	0.02%	0.002%

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Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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\SFAMVLM050624SMA.M
Title : VOC Analysis

77	9.387	2593	2596	2599	rBV3	439	331	0.02%	0.003%
78	9.468	2616	2621	2624	rBV2	244	223	0.01%	0.002%
79	9.493	2624	2629	2637	rBV6	790	1378	0.09%	0.012%
80	9.590	2657	2659	2660	rBV	209	91	0.01%	0.001%
81	9.619	2665	2668	2673	rBV2	429	299	0.02%	0.003%
82	9.683	2681	2688	2708	rVB6	7842	14821	0.99%	0.128%
83	9.837	2722	2736	2755	rBV	428032	714045	47.69%	6.174%
84	10.114	2811	2822	2829	rBV	558376	935335	62.46%	8.087%
85	10.509	2932	2945	2955	rBV	157877	261055	17.43%	2.257%
86	10.831	3038	3045	3057	rBV4	9183	17153	1.15%	0.148%
87	11.082	3116	3123	3128	rBV7	4601	6958	0.46%	0.060%
88	11.127	3128	3137	3145	rVV	78997	118246	7.90%	1.022%
89	11.185	3146	3155	3175	rVB	474244	754399	50.38%	6.523%
90	11.558	3262	3271	3296	rVB	270409	451402	30.15%	3.903%
91	12.152	3454	3456	3458	rBV2	326	195	0.01%	0.002%
92	12.194	3459	3469	3481	rVB2	9181	14347	0.96%	0.124%
93	12.239	3481	3483	3484	rBV2	286	145	0.01%	0.001%
94	12.593	3590	3593	3595	rBV	419	267	0.02%	0.002%
95	12.754	3641	3643	3644	rBV	476	161	0.01%	0.001%
96	12.921	3692	3695	3696	rBV	395	248	0.02%	0.002%
97	13.095	3739	3749	3760	rBV4	10437	18705	1.25%	0.162%
98	14.275	4107	4116	4128	rVB2	39877	59831	4.00%	0.517%
99	16.008	4645	4655	4672	rBV3	123710	220038	14.69%	1.903%
100	16.371	4759	4768	4788	rVB	134285	222454	14.86%	1.923%

Sum of corrected areas: 11565590

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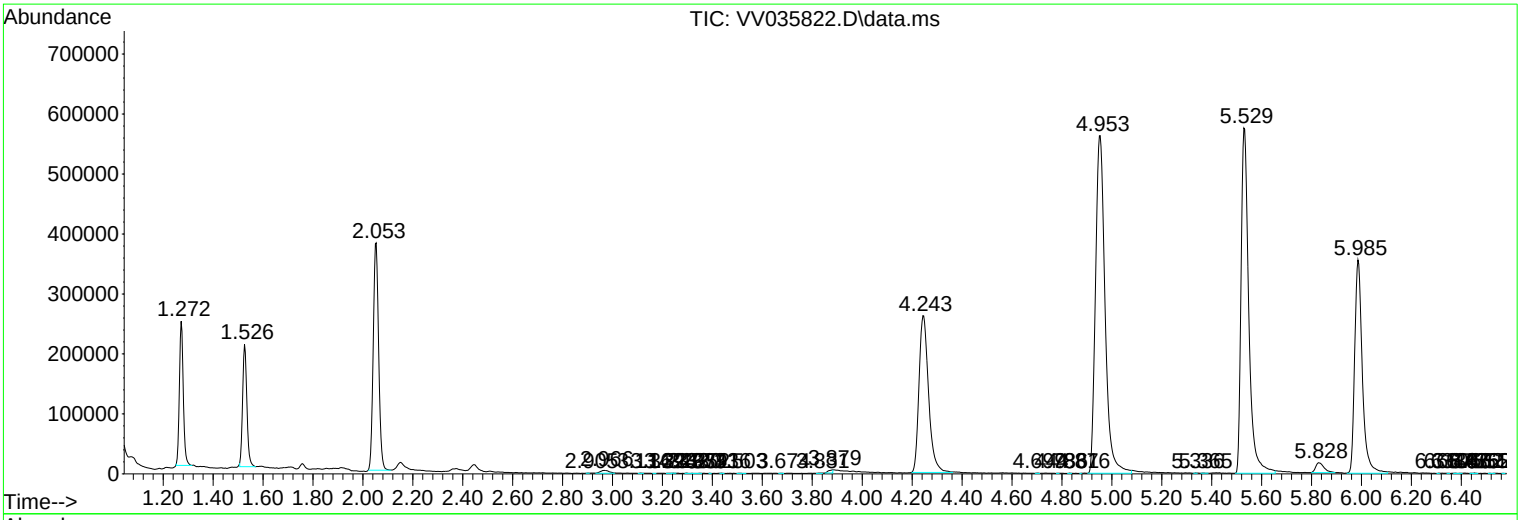
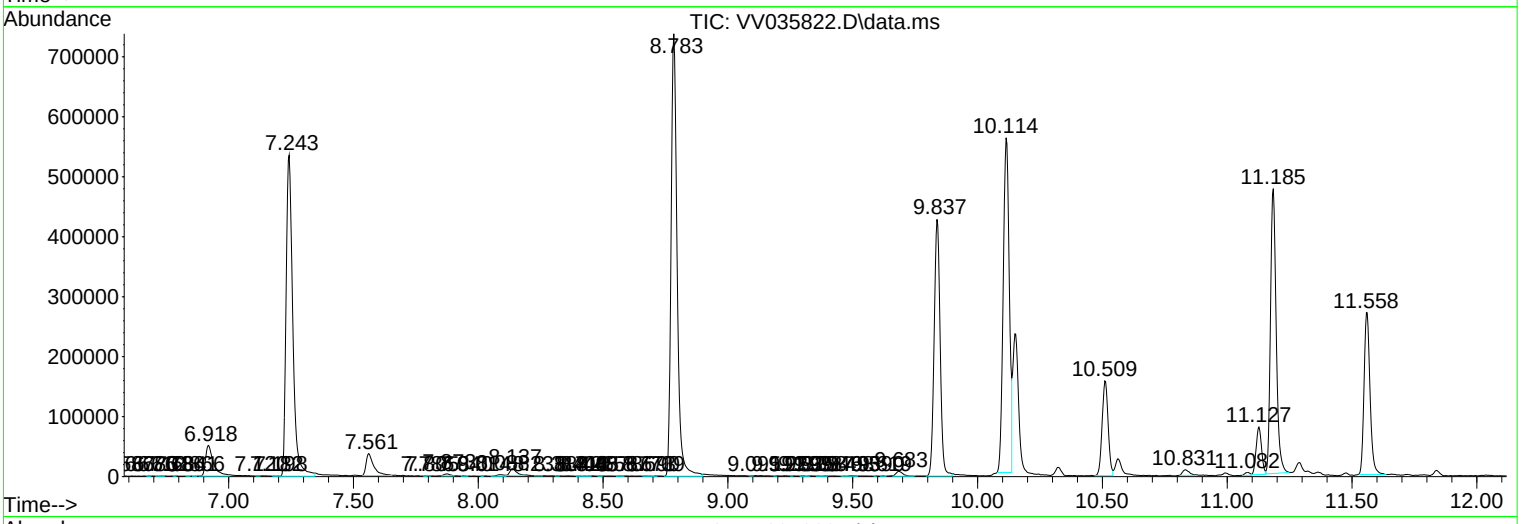
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

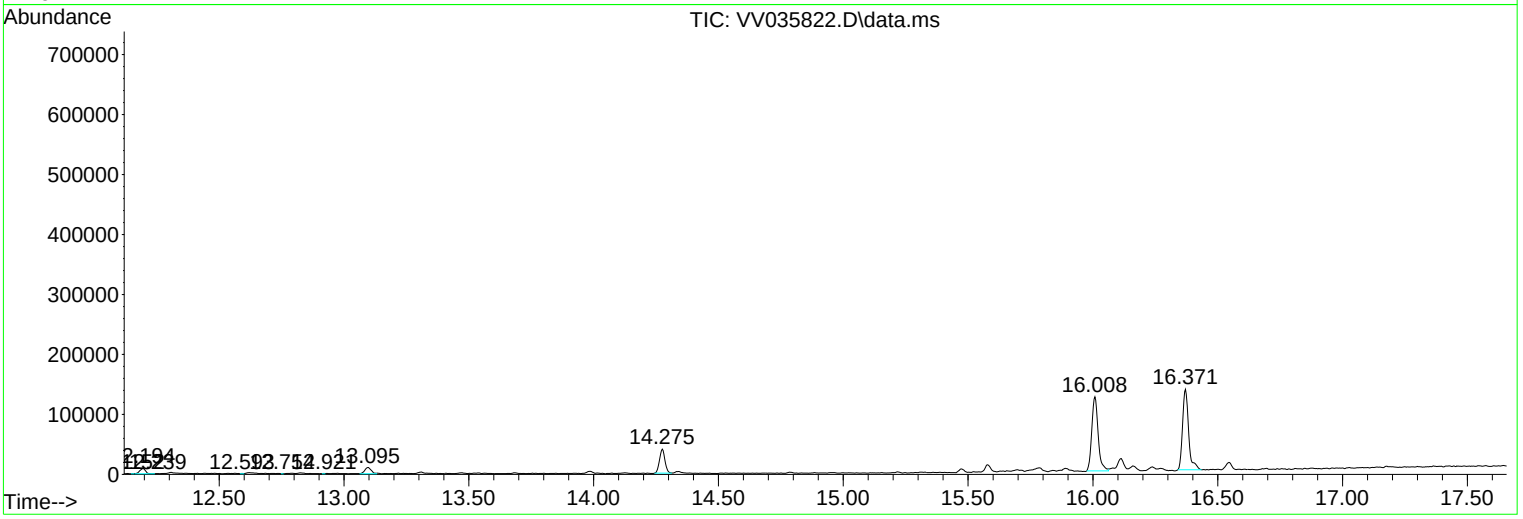
Instrument :
MSVOA_V
ClientSampleId :
A4C31

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







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ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

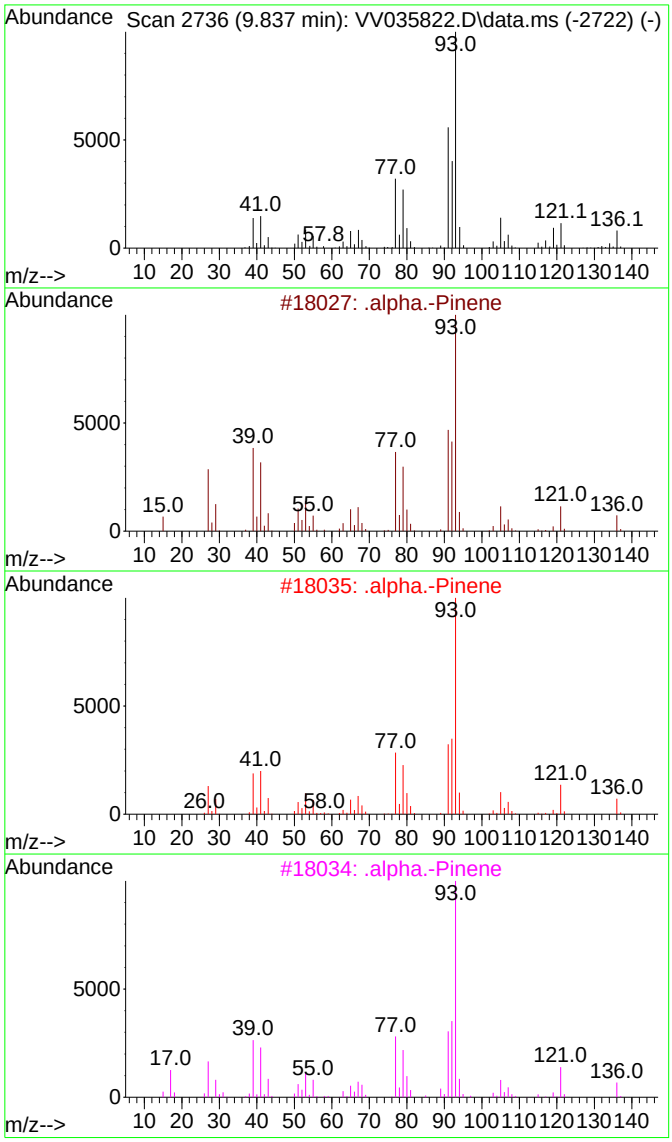
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

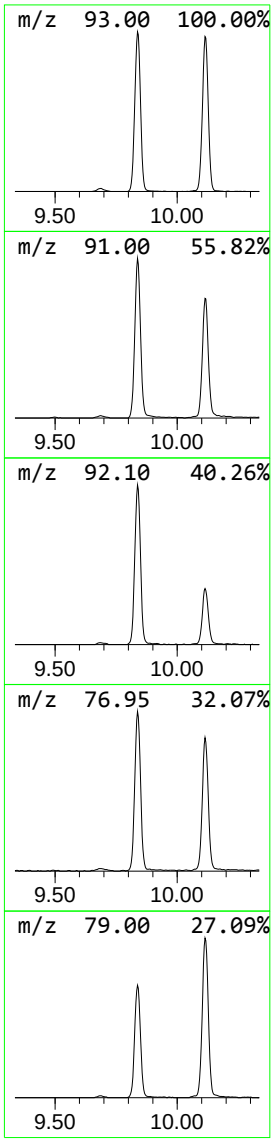
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.837	14.48 ug/L	714045	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	93
2	.alpha.-Pinene	136	C10H16	000080-56-8	93
3	.alpha.-Pinene	136	C10H16	000080-56-8	91
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	87





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Instrument :
MSVOA_V
ClientSampleId :
A4C31

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

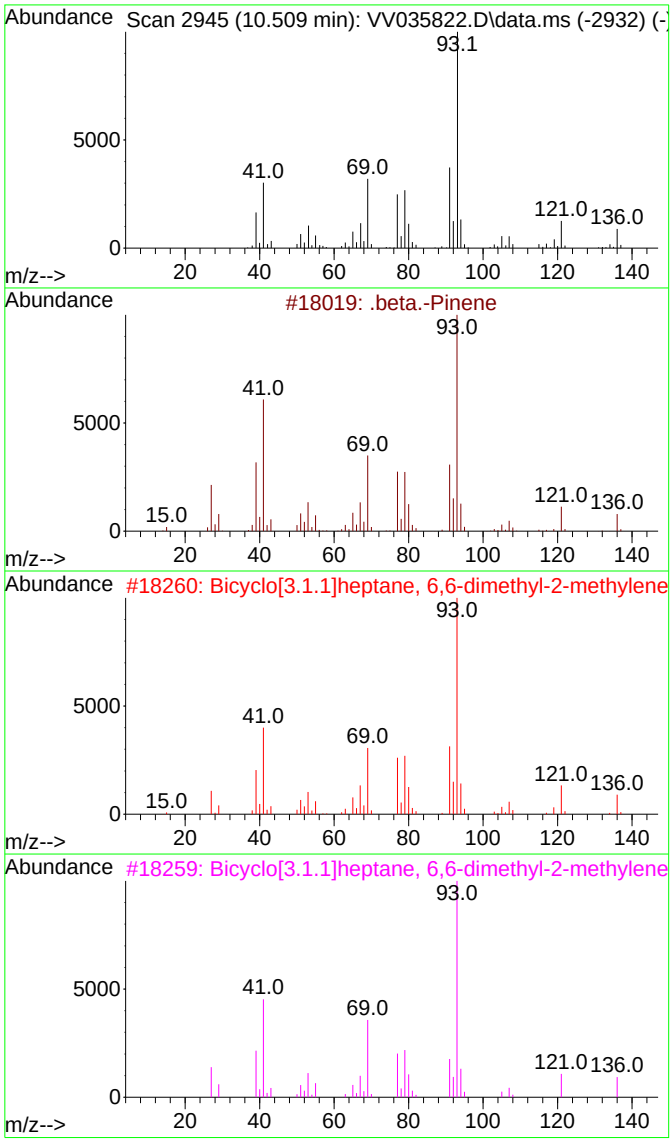
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

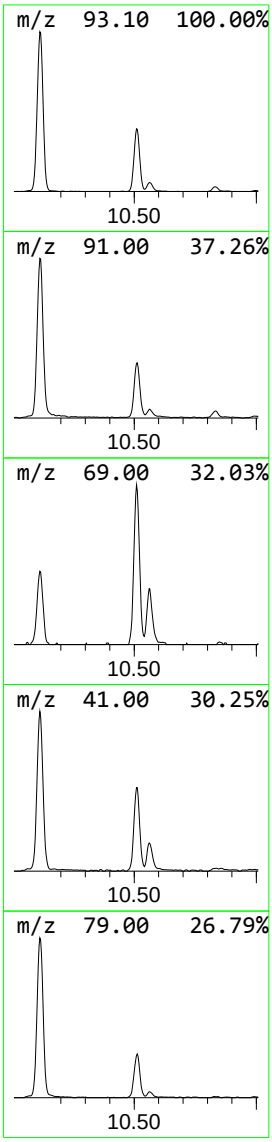
****

Peak Number 3 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.509	8.65 ug/L	261055	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	95
4	.beta.-Pinene	136	C10H16	000127-91-3	95
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
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Operator : SY/MD
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Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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

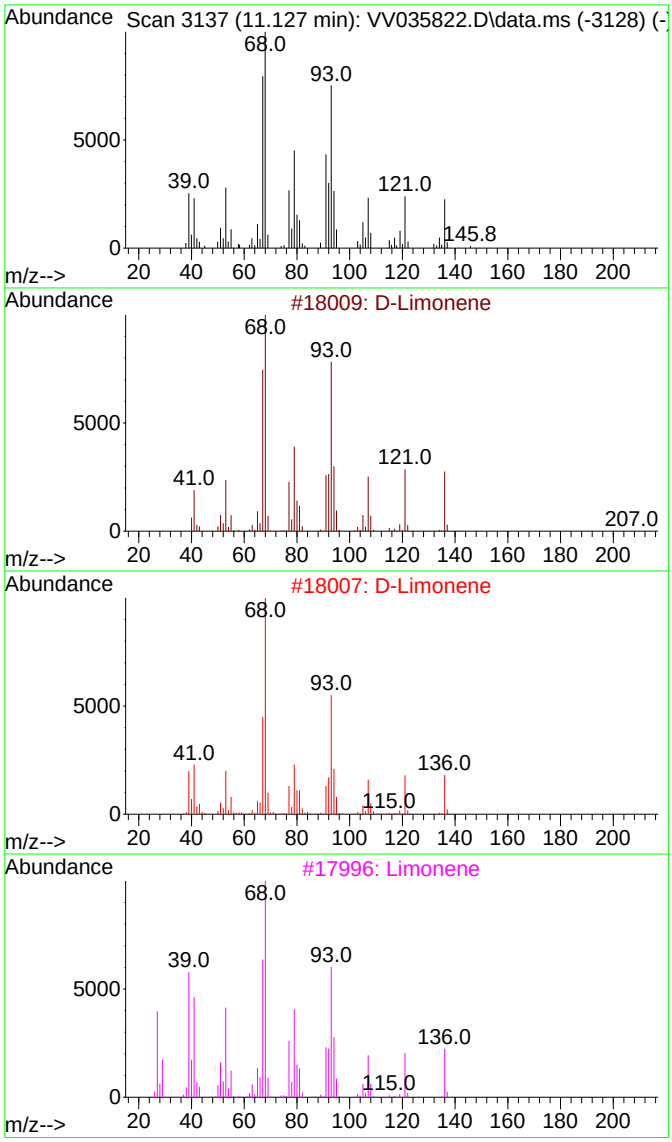
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

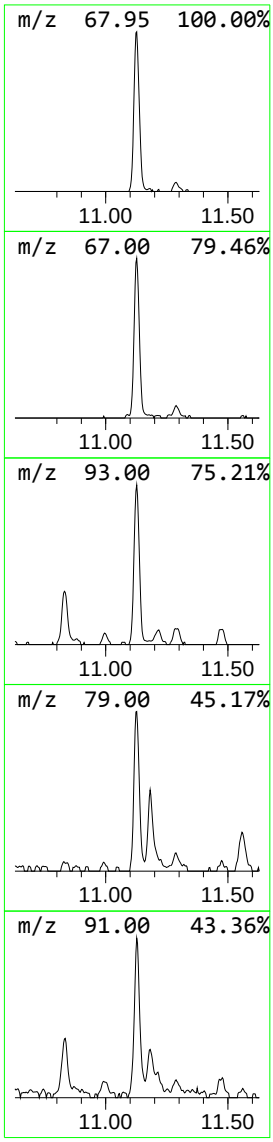
****

Peak Number 4 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.127	3.92 ug/L	118246	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	99
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	93
5	D-Limonene	136	C10H16	005989-27-5	93





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ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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

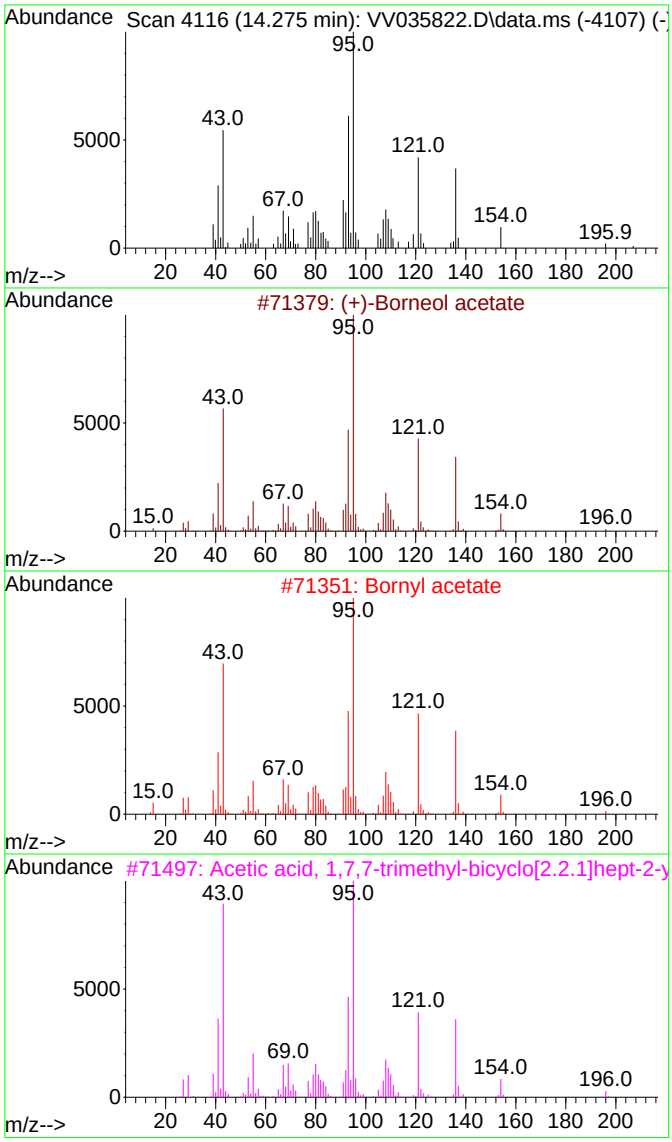
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

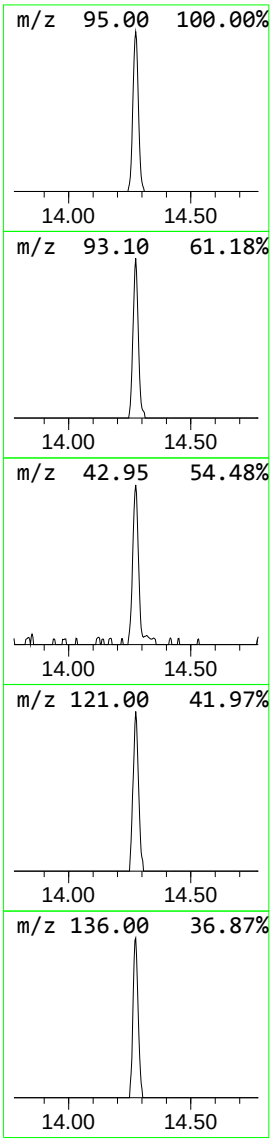
****

Peak Number 5 (+)-Borneol acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.275	1.98 ug/L	59831	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-Borneol acetate	196	C12H20O2	020347-65-3	97
2	Bornyl acetate	196	C12H20O2	000076-49-3	96
3	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	96
4	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	196	C12H20O2	005655-61-8	95
5	Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035822.D
Acq On : 26 May 2024 01:16
Operator : SY/MD
Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

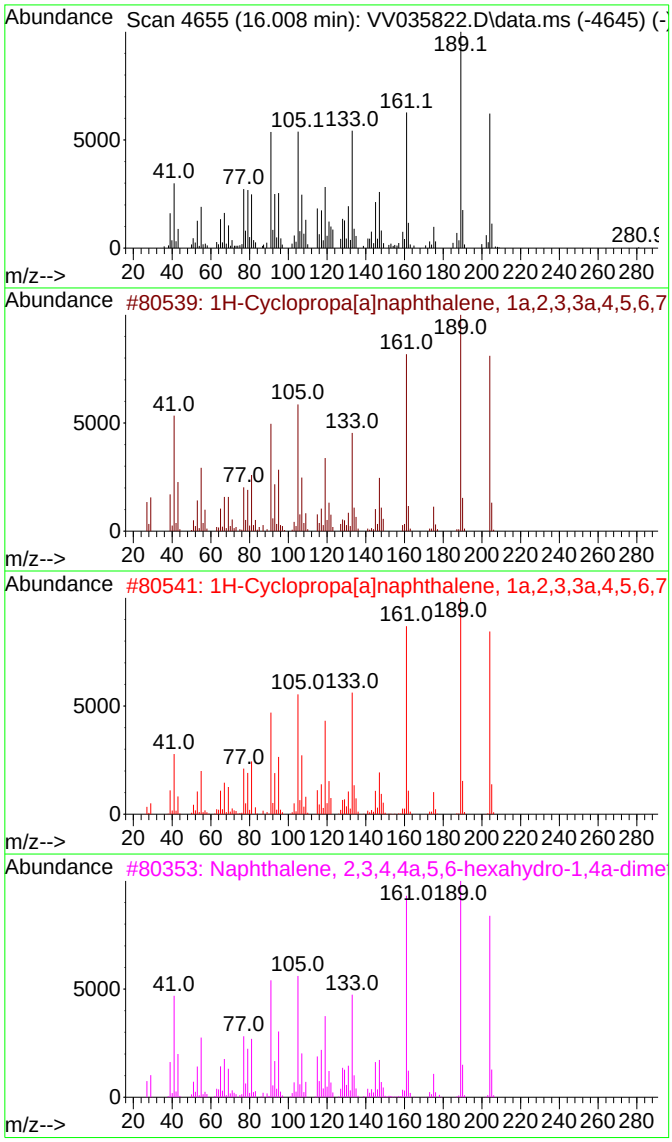
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

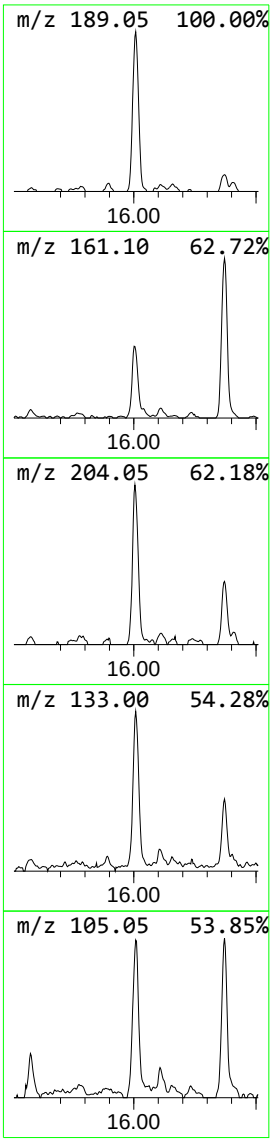
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[a]naphthalene... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.008	7.29 ug/L	220038	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	000489-29-2	98
2	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	000489-29-2	96
3	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	96
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	93
5	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	000523-47-7	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035822.D
Acq On : 26 May 2024 01:16
Operator : SY/MD
Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

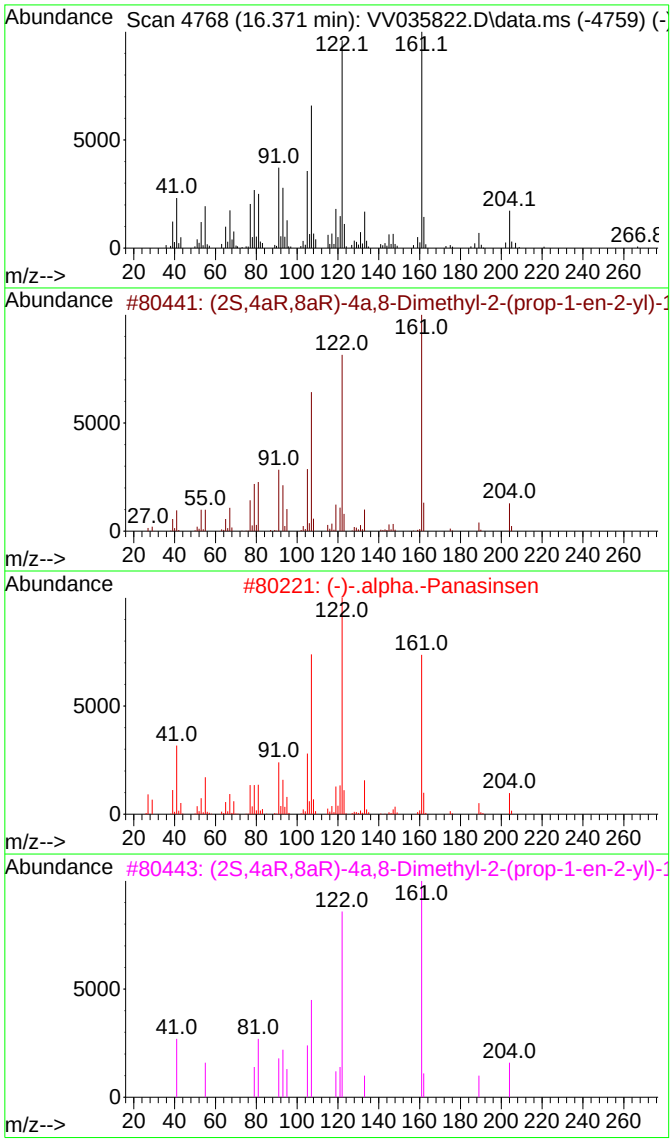
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis

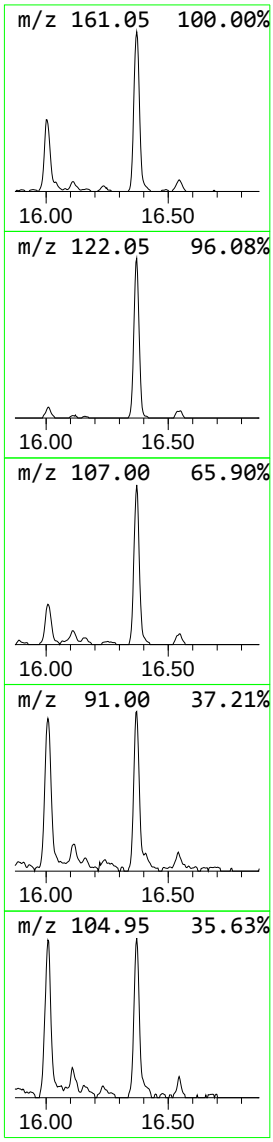
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (2S,4aR,8aR)-4a,8-Dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	7.37 ug/L	222454	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2S,4aR,8aR)-4a,8-Dimethyl-2-(pr...	204	C15H24	123123-37-5	99
2	(-)-.alpha.-Panasinsen	204	C15H24	056633-28-4	93
3	(2S,4aR,8aR)-4a,8-Dimethyl-2-(pr...	204	C15H24	123123-37-5	91
4	(-)-.alpha.-Panasinsen	204	C15H24	056633-28-4	89
5	.alpha.-Maaliene	204	C15H24	000489-28-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052524\
Data File : VV035822.D
Acq On : 26 May 2024 01:16
Operator : SY/MD
Sample : P2586-16
Misc : 4.69g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A4C31

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	14.5	ug/L	714045	2	8.783	1232660	25.0
.beta.-Pinene	10.509	8.7	ug/L	261055	3	11.185	754399	25.0
D-Limonene	11.127	3.9	ug/L	118246	3	11.185	754399	25.0
(+)-Borneol ace...	14.275	2.0	ug/L	59831	3	11.185	754399	25.0
1H-Cyclopropa[a...	16.008	7.3	ug/L	220038	3	11.185	754399	25.0
(2S,4aR,8aR)-4a...	16.371	7.4	ug/L	222454	3	11.185	754399	25.0