LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

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_W\Method\SOM2WLM012921S.M
Title : VOC Analysis

Signal : TIC: VW018196.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	6	9	28	rVB3	18688	45392	0.21%	0.083%
2	2.154	38	41	49	rBV3	1792	4136	0.02%	0.008%
3	2.355	68	74	88	rVB	78105	155091	0.71%	0.285%
4	2.617	115	117	122	rBV4	810	1573	0.01%	0.003%
5	2.898	155	163	179	rBV	56087	144201	0.66%	0.265%
6	3.391	238	244	253	rVB6	1278	3203	0.01%	0.006%
7	3.538	266	268	272	rVB4	342	363	0.00%	0.001%
8	3.733	290	300	314	rBV	23826	73935	0.34%	0.136%
9	4.025	335	348	356	rBV	133923	410747	1.88%	0.754%
10	4.117	357	363	377	rVB	105415	282336	1.29%	0.518%
11	4.391	401	408	420	rVB2	3352	9629	0.04%	0.018%
12	4.916	485	494	510	rVB3	7944	28849	0.13%	0.053%
13	5.044	510	515	516	rBV3	301	459	0.00%	0.001%
14	5.793	630	638	640	rBV3	889	2142	0.01%	0.004%
15	5.946	653	663	671	rVB5	1877	5198	0.02%	0.010%
16	6.306	714	722	725	rBV3	573	1251	0.01%	0.002%
17	6.604	762	771	781	rBV3	1900	5131	0.02%	0.009%
18	7.080	840	849	859	rBV	25701	74054	0.34%	0.136%
19	7.543	922	925	926	rBV2	420	432	0.00%	0.001%
20	7.647	931	942	955	rVV	203785	498222	2.28%	0.915%
21	7.939	984	990	999	rVB6	879	2435	0.01%	0.004%
22	8.165	1020	1027	1031	rVB4	794	1690	0.01%	0.003%
23	8.275	1034	1045	1066	rBV3	407972	1354207	6.19%	2.486%
24	8.506	1079	1083	1085	rBV2	471	714	0.00%	0.001%
25	8.573	1090	1094	1099	rVB3	487	919	0.00%	0.002%
26	8.628	1099	1103	1106	rVB3	278	365	0.00%	0.001%
27	8.701	1108	1115	1124	rBV	13292	28618	0.13%	0.053%
28	8.842	1130	1138	1154	rBV	401016	794474	3.63%	1.458%
29	9.043	1165	1171	1174	rBV4	558	963	0.00%	0.002%
30	9.079	1174	1177	1180	rVB4	565	759	0.00%	0.001%
31	9.146	1182	1188	1194	rVB4	1248	2303	0.01%	0.004%
32	9.274	1200	1209	1217	rBV	262125	525413	2.40%	0.964%
33	9.433	1233	1235	1240	rVB4	393	412	0.00%	0.001%
34	9.512	1245	1248	1254	rVB2	572	803	0.00%	0.001%
35	9.665	1267	1273	1276	rBV5	785	1165	0.01%	0.002%
36	9.854	1299	1304	1315	rVB3	3891	7270	0.03%	0.013%

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Title : VOC Analysis

37	9.963	1316	1322	1325	rBV4	1033	1788	0.01%	0.003%
38	10.037	1325	1334	1340	rBV	125801	223664	1.02%	0.411%
39	10.098	1340	1344	1349	rVB3	4016	7009	0.03%	0.013%
40	10.213	1356	1363	1372	rBV	19499	35767	0.16%	0.066%
41	10.323	1373	1381	1385	rBV	553336	967203	4.42%	1.775%
42	10.390	1385	1392	1405	rVB	12296749	21890241	100.00%	40.182%
43	10.579	1417	1423	1434	rVB	70300	120951	0.55%	0.222%
44	10.701	1440	1443	1447	rVB4	1476	2425	0.01%	0.004%
45	10.927	1472	1480	1490	rBV	96728	167725	0.77%	0.308%
46	11.018	1490	1495	1499	rVV	6236	11198	0.05%	0.021%
47	11.067	1499	1503	1513	rVV6	3952	8256	0.04%	0.015%
48	11.183	1513	1522	1523	rVV8	1929	4188	0.02%	0.008%
49	11.201	1523	1525	1533	rVB6	3027	5694	0.03%	0.010%
50	11.408	1553	1559	1566	rBV2	4146	7887	0.04%	0.014%
51	11.475	1568	1570	1573	rVB3	771	663	0.00%	0.001%
52	11.536	1573	1580	1583	rBV3	695	1296	0.01%	0.002%
53	11.634	1587	1596	1605	rBV	405103	703476	3.21%	1.291%
54	11.731	1605	1612	1620	rVV	526786	851044	3.89%	1.562%
55	11.835	1620	1629	1640	rVV	97890	184631	0.84%	0.339%
56	12.054	1659	1665	1668	rBV3	601	1157	0.01%	0.002%
57	12.122	1670	1676	1677	rBV3	3135	5667	0.03%	0.010%
58	12.176	1678	1685	1695	rBV4	58380	127132	0.58%	0.233%
59	12.256	1695	1698	1706	rVB3	7993	13480	0.06%	0.025%
60	12.365	1706	1716	1724	rVB	38648	71494	0.33%	0.131%
61	12.463	1726	1732	1738	rBV	18510	30782	0.14%	0.057%
62	12.524	1738	1742	1746	rBV3	3328	5134	0.02%	0.009%
63	12.573	1746	1750	1751	rBV4	802	1051	0.00%	0.002%
64	12.634	1751	1760	1763	rBV2	6299	15502	0.07%	0.028%
65	12.695	1763	1770	1772	rBV	178581	344899	1.58%	0.633%
66	12.810	1784	1789	1795	rBV	4210	7840	0.04%	0.014%
67	12.920	1795	1807	1812	rBV	854791	1333955	6.09%	2.449%
68	13.036	1820	1826	1831	rBV3	64143	139089	0.64%	0.255%
69	13.091	1831	1835	1840	rVV	61339	92186	0.42%	0.169%
70	13.140	1840	1843	1848	rVB3	8019	12380	0.06%	0.023%
71	13.195	1848	1852	1855	rBV4	2429	3457	0.02%	0.006%
72	13.255	1855	1862	1873	rBV3	113291	227903	1.04%	0.418%
73	13.371	1873	1881	1889	rBV3	1495025	2843072	12.99%	5.219%
74	13.469	1889	1897	1899	rVV	3973397	6568254	30.01%	12.057%
75	13.493	1899	1901	1907	rVV	4464660	6278519	28.68%	11.525%
76	13.560	1907	1912	1916	rVV	268050	463453	2.12%	0.851%

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Integrator: RTE
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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Title : VOC Analysis

77	13.621	1916	1922	1933	rVV2	651929	1200406	5.48%	2.203%
78	13.713	1933	1937	1944	rVB	98774	150803	0.69%	0.277%
79	13.853	1953	1960	1966	rBV	232540	385972	1.76%	0.708%
80	13.999	1977	1984	1989	rBV	737543	1194211	5.46%	2.192%
81	14.085	1995	1998	2003	rVB4	42887	65372	0.30%	0.120%
82	14.152	2003	2009	2015	rBV	305512	444718	2.03%	0.816%
83	14.304	2028	2034	2042	rBV8	7789	21870	0.10%	0.040%
84	14.432	2050	2055	2065	rBV	118443	211414	0.97%	0.388%
85	14.572	2074	2078	2084	rVB3	7929	14605	0.07%	0.027%
86	14.694	2090	2098	2104	rBV2	152838	278829	1.27%	0.512%
87	14.767	2105	2110	2118	rVV	83953	141198	0.65%	0.259%
88	14.853	2118	2124	2135	rVB3	409501	813093	3.71%	1.493%
89	15.066	2153	2159	2172	rBV2	180840	413209	1.89%	0.758%
90	15.164	2172	2175	2177	rBV	21442	27456	0.13%	0.050%
91	15.206	2177	2182	2185	rBV	140898	231851	1.06%	0.426%
92	15.249	2185	2189	2194	rVB	358566	545637	2.49%	1.002%
93	15.487	2223	2228	2242	rVB5	17034	47501	0.22%	0.087%
94	15.706	2260	2264	2272	rVB8	3269	7364	0.03%	0.014%
95	15.798	2276	2279	2286	rVV6	3544	7181	0.03%	0.013%
96	16.042	2313	2319	2324	rBV3	9479	18907	0.09%	0.035%
97	16.151	2333	2337	2342	rVB6	2884	4980	0.02%	0.009%
98	16.304	2360	2362	2363	rBV3	728	360	0.00%	0.001%
99	16.426	2380	2382	2383	rBV2	593	417	0.00%	0.001%
100	16.462	2386	2388	2390	rBV3	586	680	0.00%	0.001%

Sum of corrected areas: 54478400

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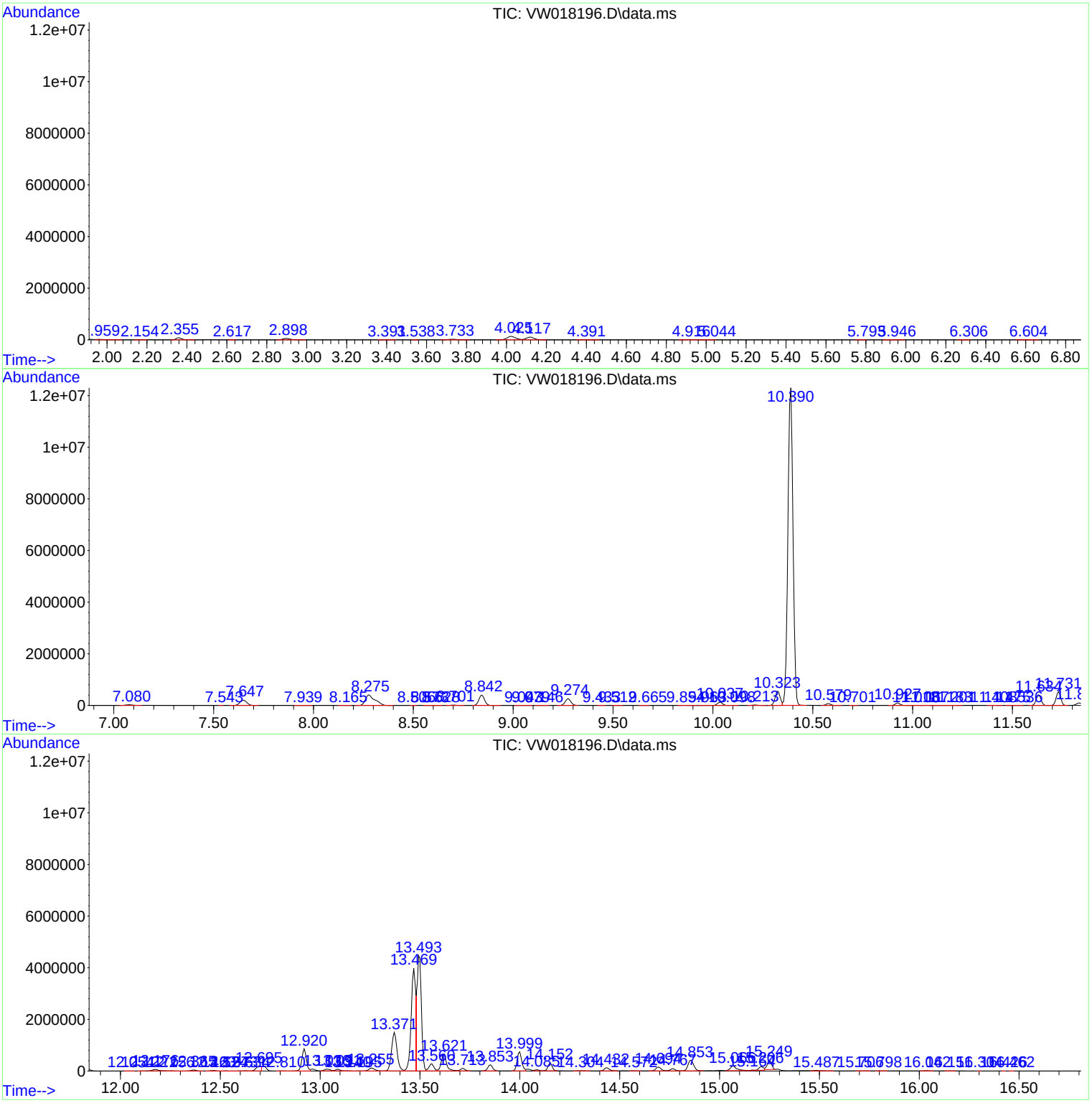
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

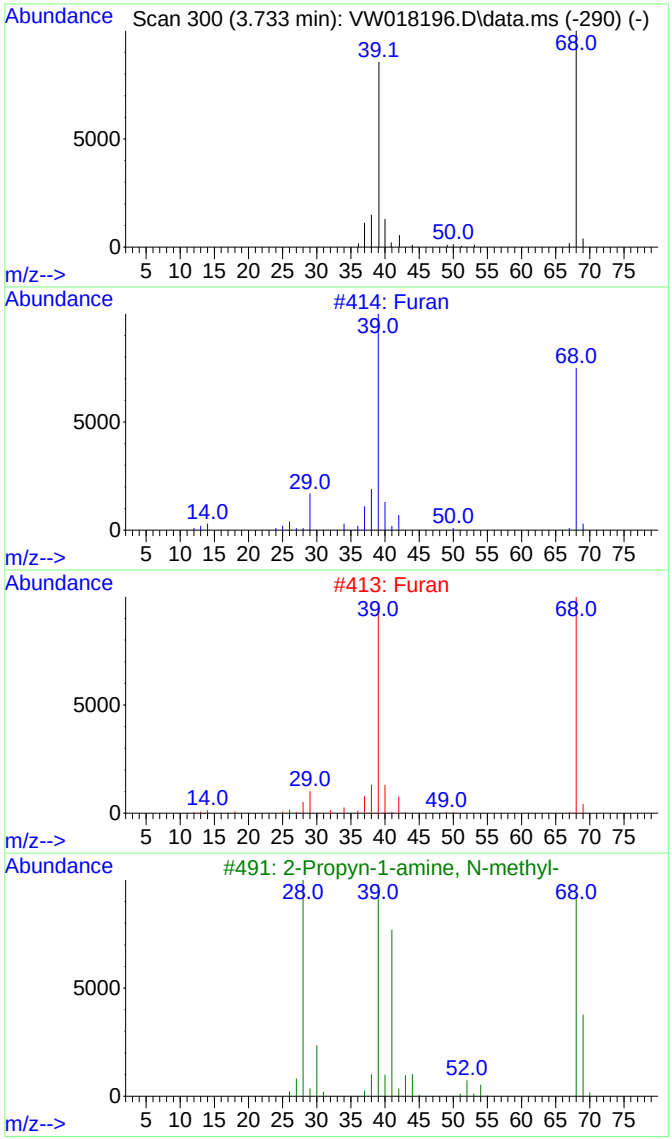
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

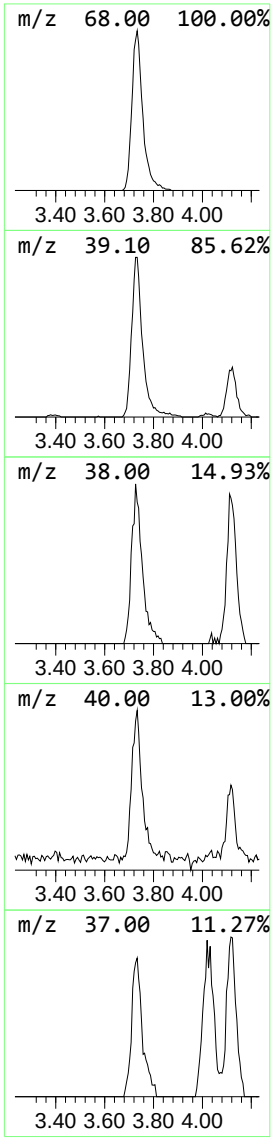
****

Peak Number 2 Furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.733	2.33 ug/L	73935	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan	68	C4H4O	000110-00-9	90
2	Furan	68	C4H4O	000110-00-9	90
3	2-Propyn-1-amine, N-methyl-	69	C4H7N	035161-71-8	43
4	1H-Pyrazole	68	C3H4N2	000288-13-1	10
5	1,4-Pentadiene	68	C5H8	000591-93-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

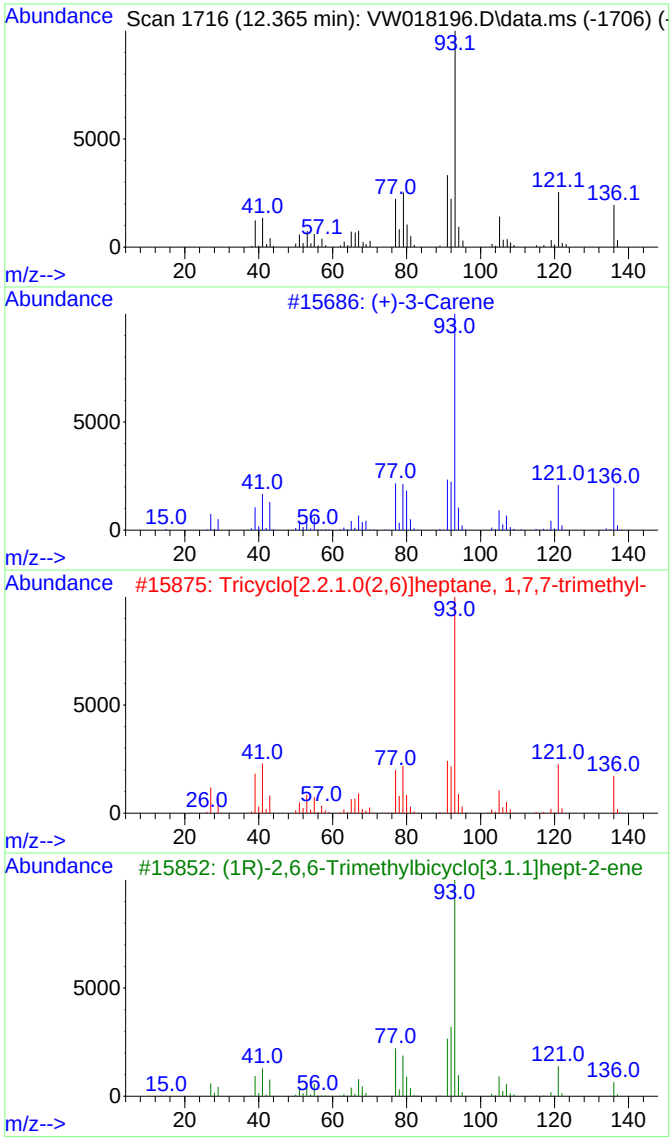
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

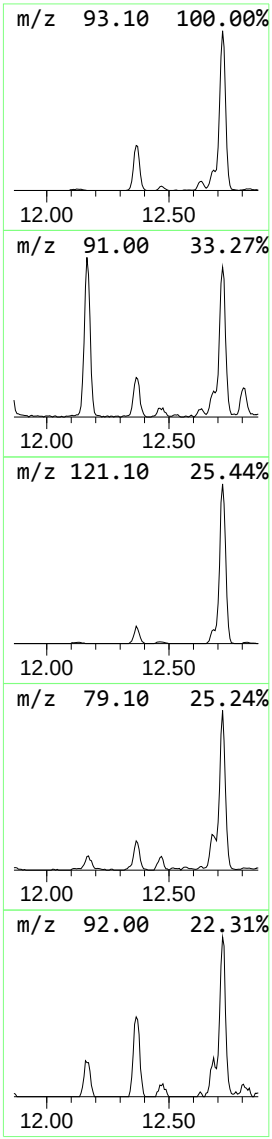
****

Peak Number 4 (+)-3-Carene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	2.54 ug/L	71494	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-3-Carene	136	C10H16	000498-15-7	93
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	91
4	3-Carene	136	C10H16	013466-78-9	91
5	3-Carene	136	C10H16	013466-78-9	90





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Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

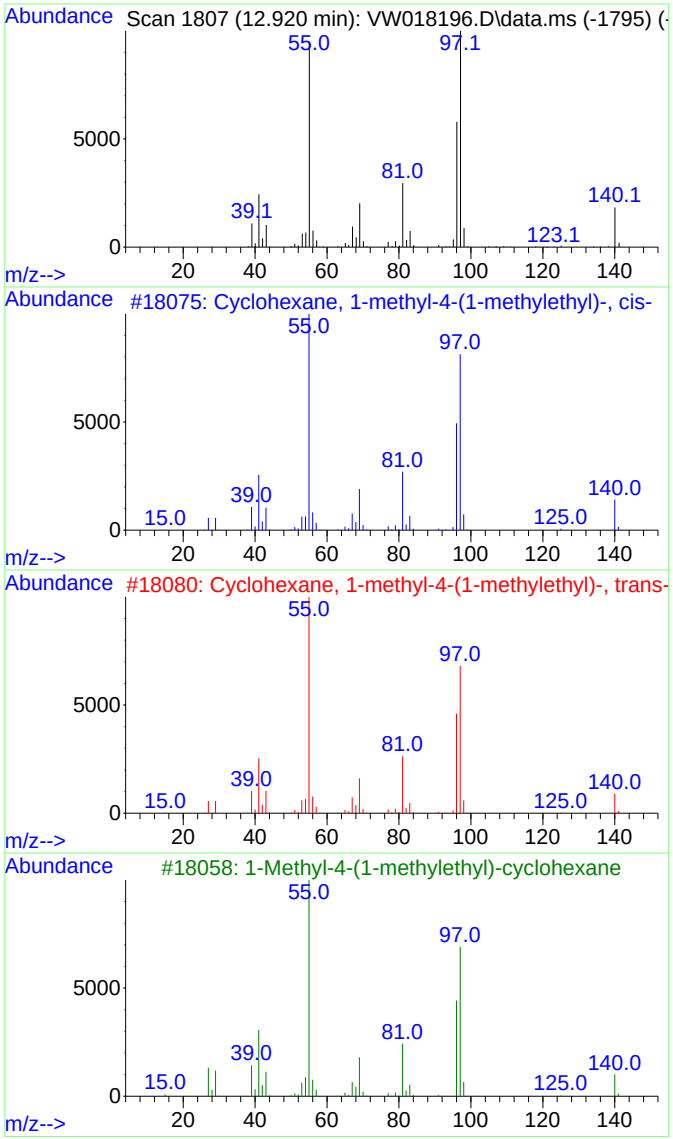
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

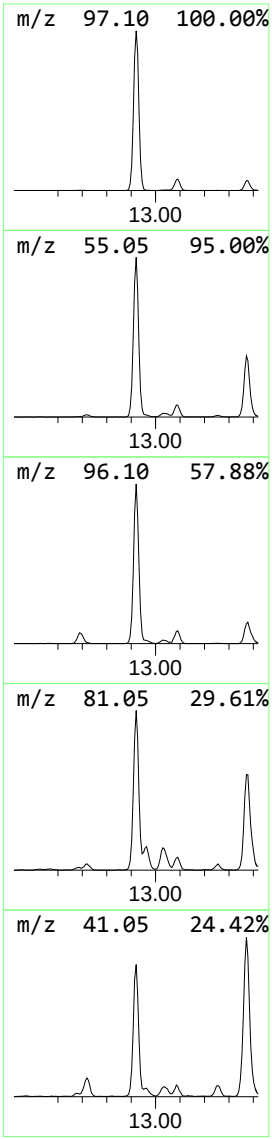
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic12.920 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	71.96 ug/L	1333960	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	97
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	96
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	91
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	91
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	91





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Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

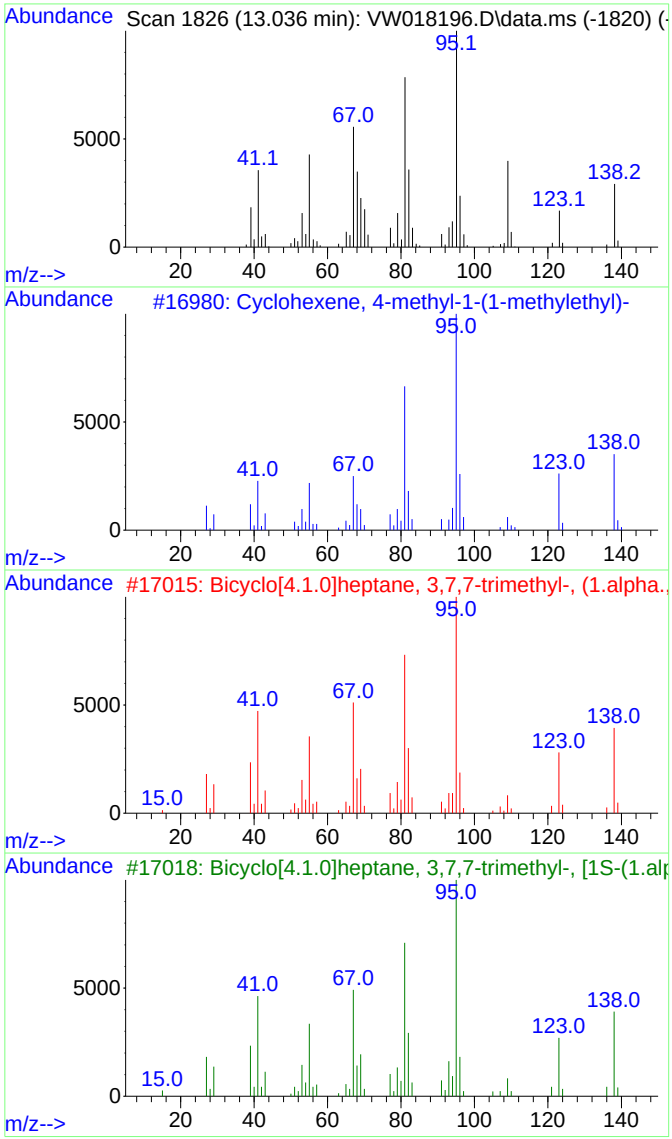
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

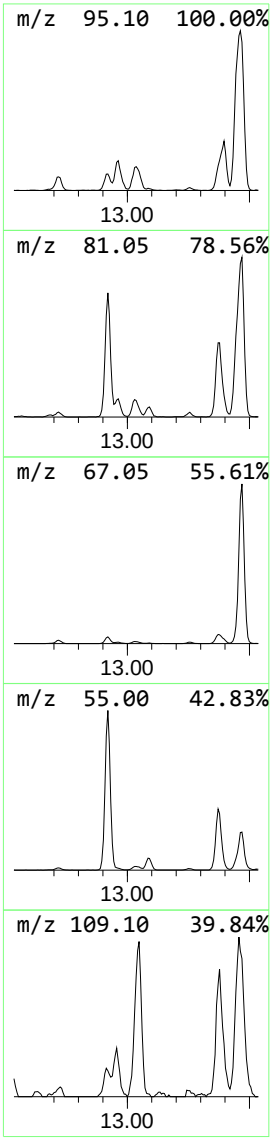
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.036	7.50 ug/L	139089	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	90
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	90
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	81
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	81
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	70





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Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

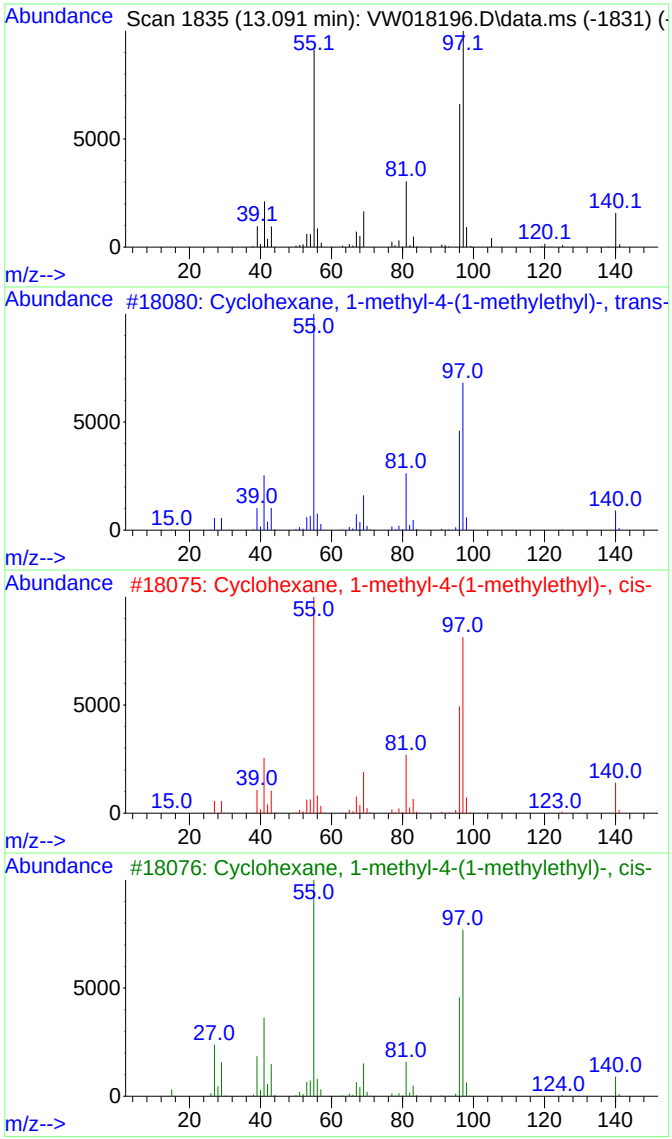
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

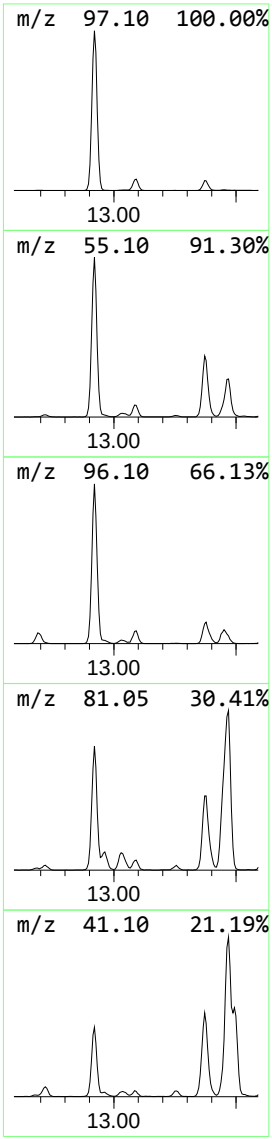
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic13.091 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.091	4.97 ug/L	92186	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	91
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	87
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	87
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	83
5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

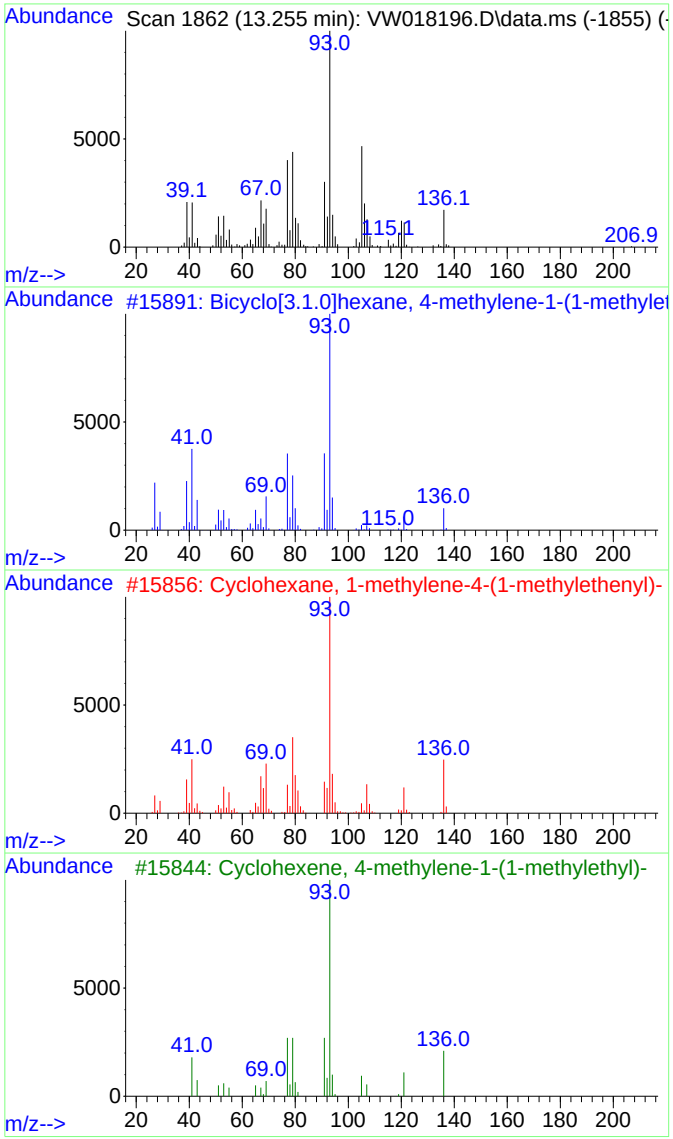
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

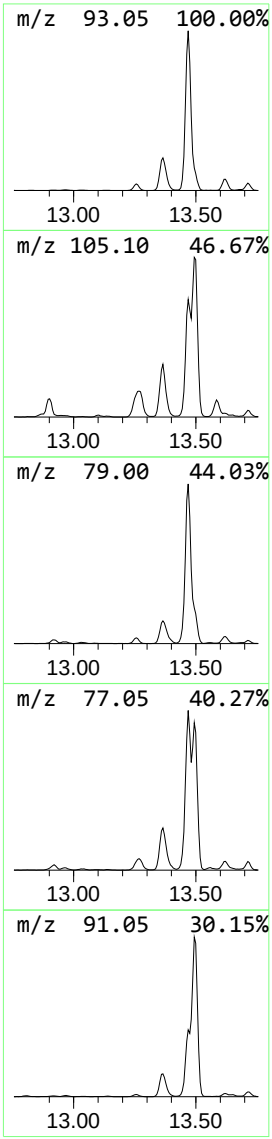
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.256	12.29 ug/L	227903	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	93
2	Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	91
3	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	87
4	Cyclopropane, 1,1-dimethyl-2-(3-...	136	C10H16	068998-21-0	83
5	(+)-4-Carene	136	C10H16	029050-33-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

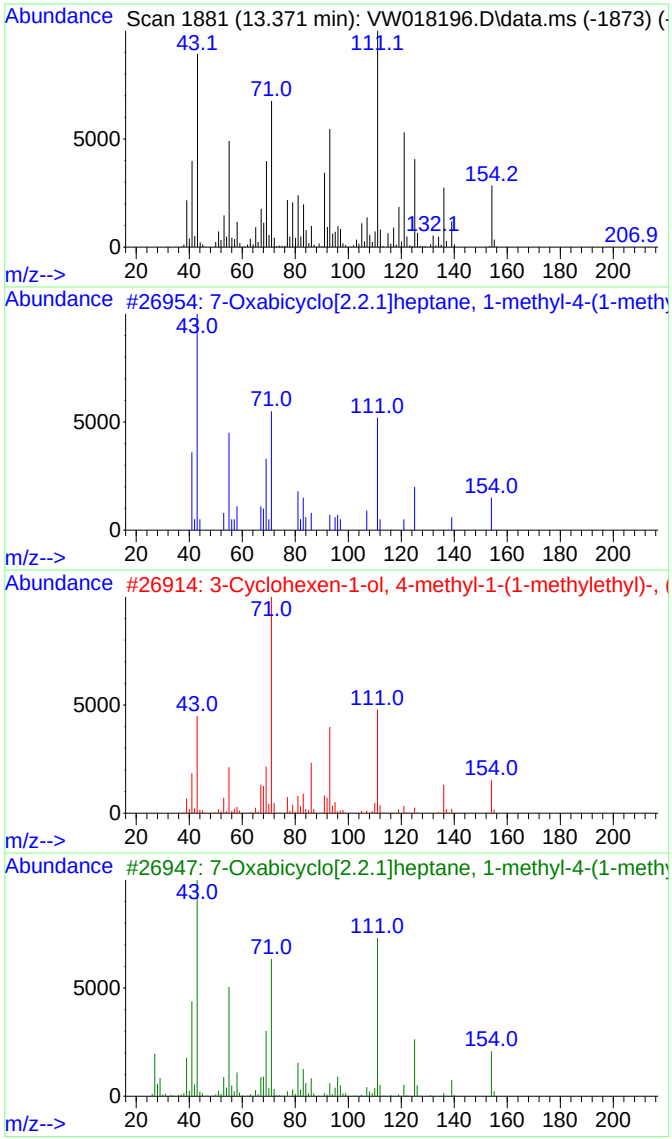
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

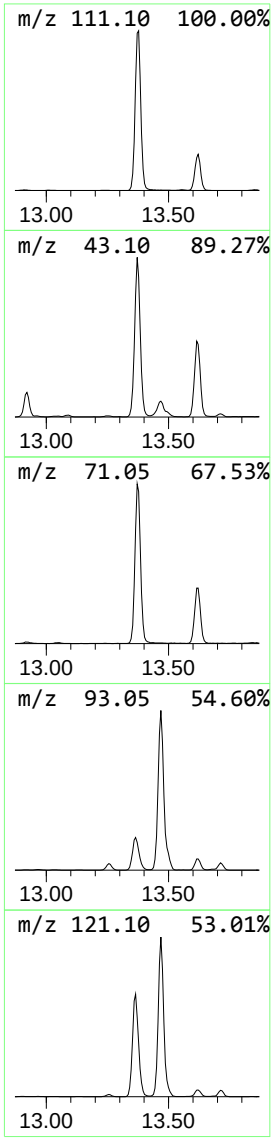
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.371	153.36 ug/L	2843070	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	94
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	86
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	70
4	Terpinen-4-ol	154	C10H18O	000562-74-3	70
5	Terpinen-4-ol	154	C10H18O	000562-74-3	62





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Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

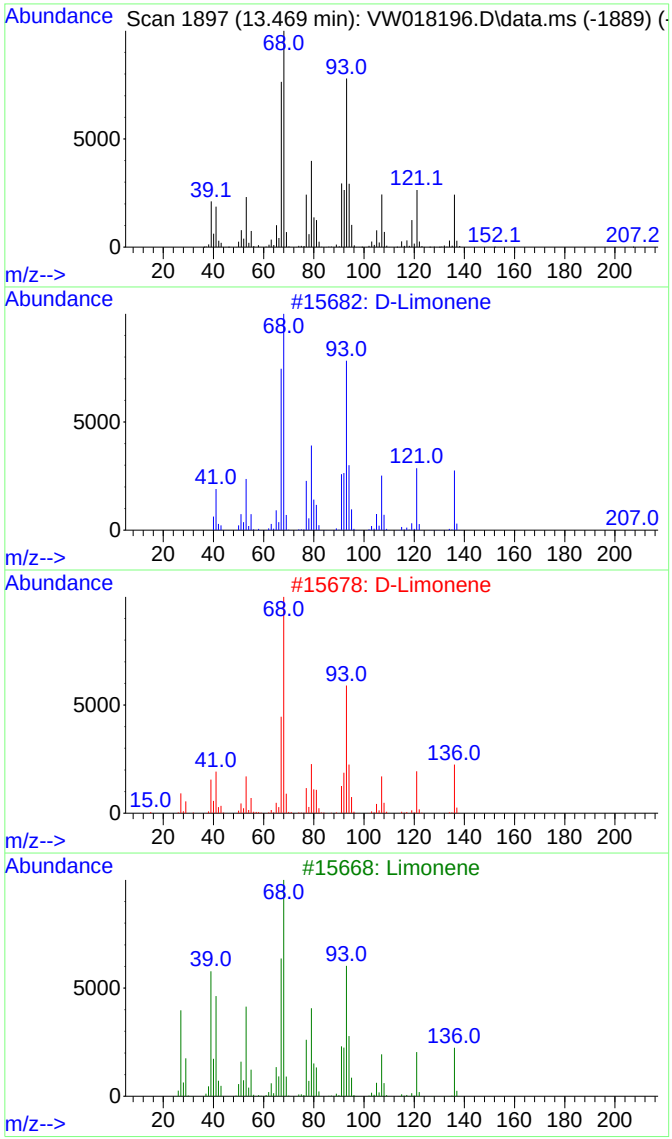
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

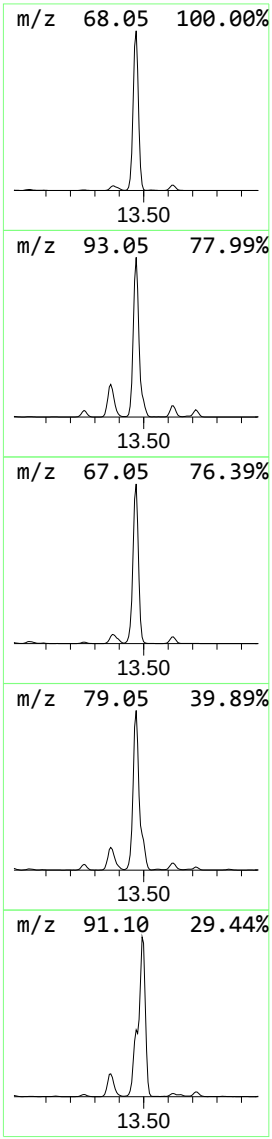
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	354.31 ug/L	6568250	1,4-Dichlorobenzene-d4	13.560

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	Limonene	136	C10H16	000138-86-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

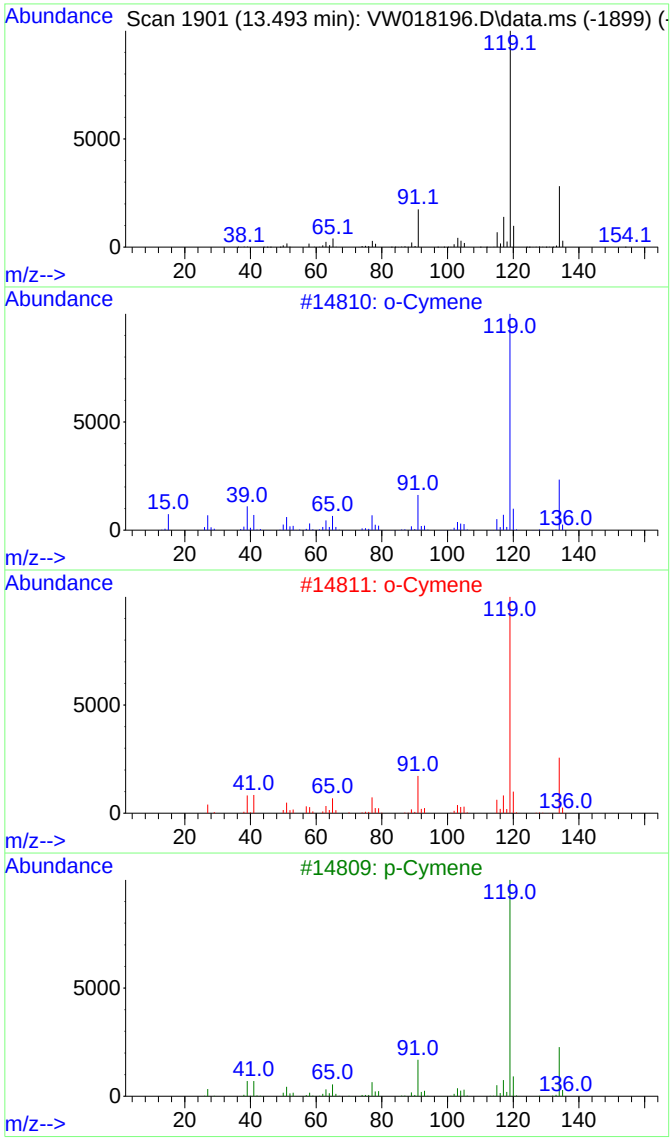
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

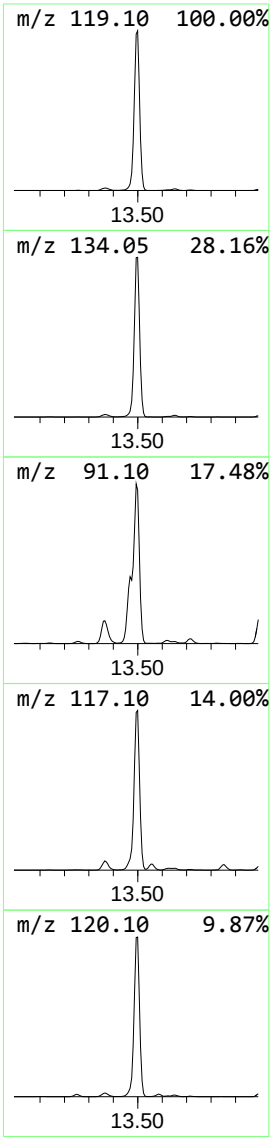
****

Peak Number 11 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	338.68 ug/L	6278520	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

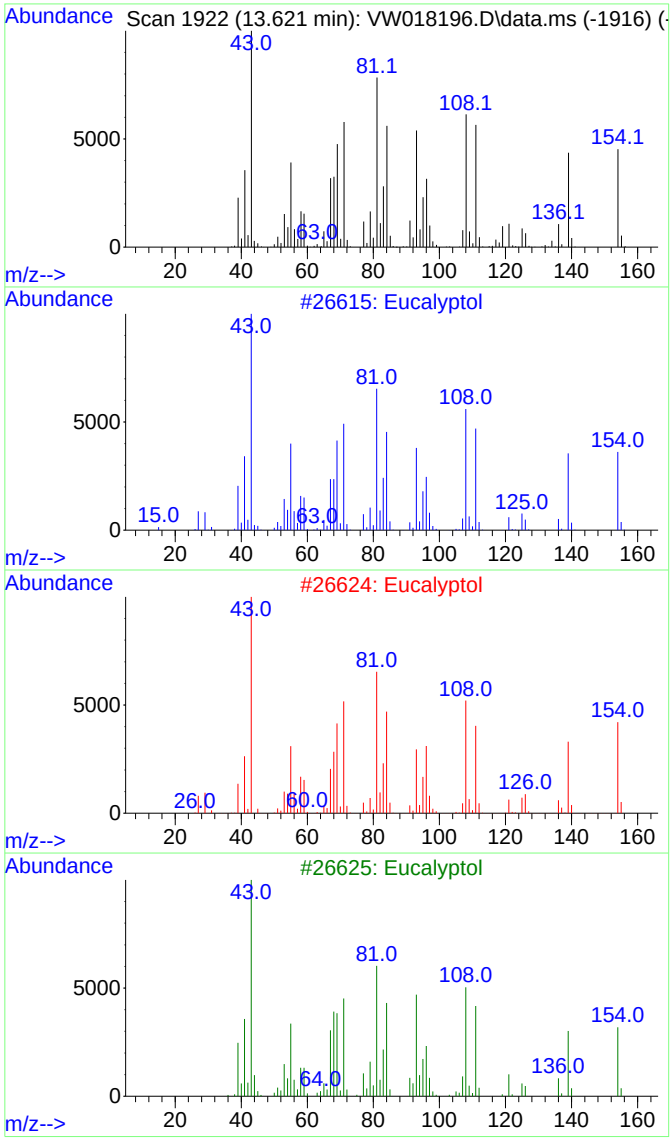
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

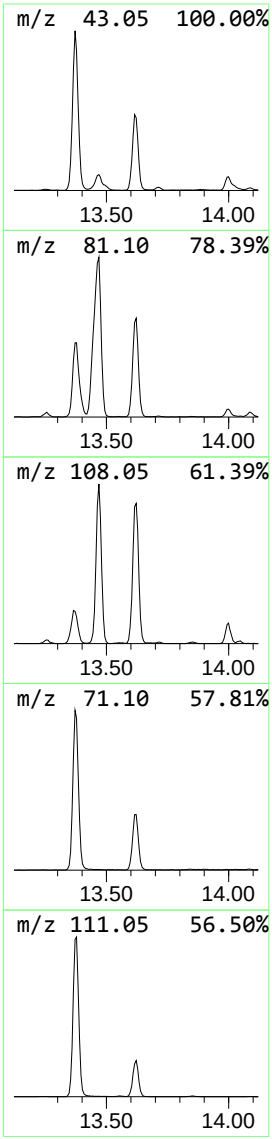
****

Peak Number 12 Eucalyptol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	64.75 ug/L	1200410	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	90
4	Eucalyptol	154	C10H18O	000470-82-6	70
5	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

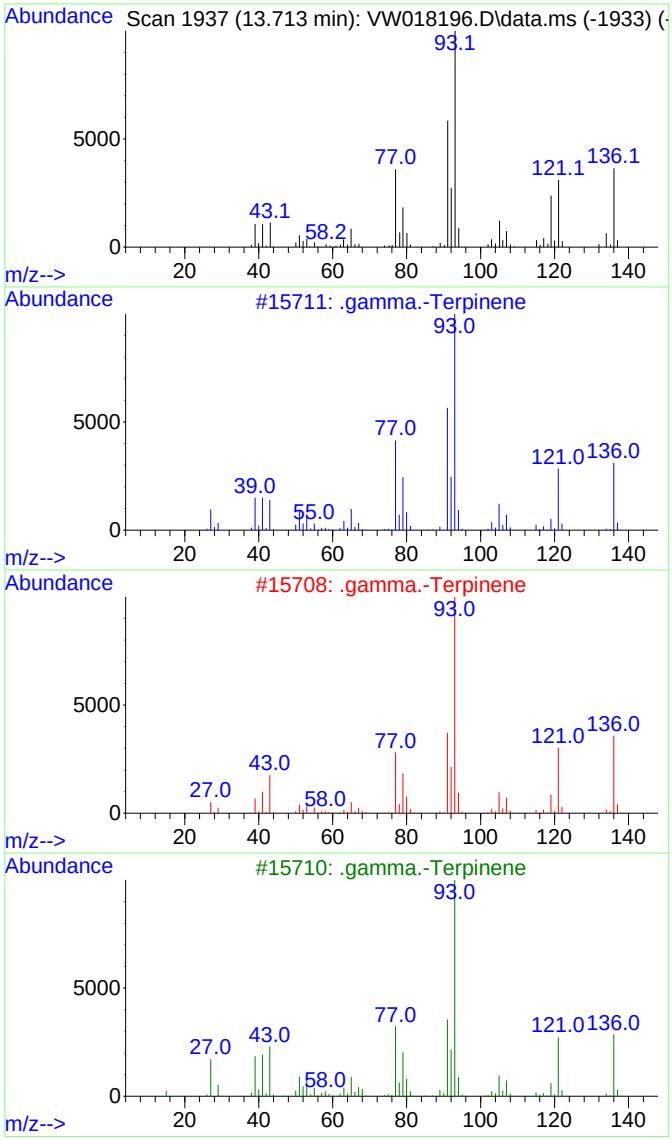
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

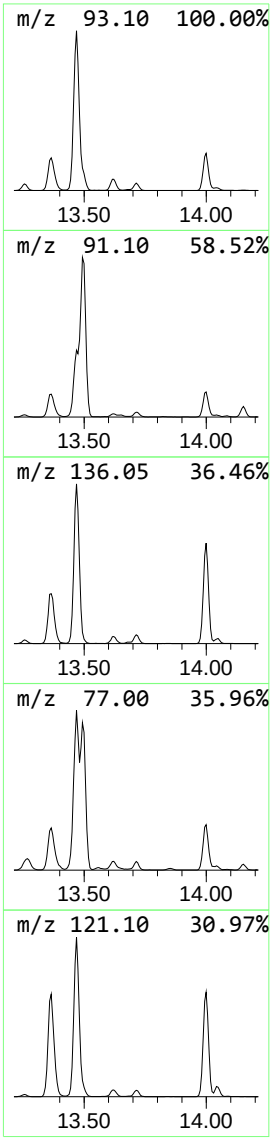
****

Peak Number 13 .gamma.-Terpinene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	8.13 ug/L	150803	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	94
2	.gamma.-Terpinene	136	C10H16	000099-85-4	87
3	.gamma.-Terpinene	136	C10H16	000099-85-4	87
4	3-Carene	136	C10H16	013466-78-9	81
5	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

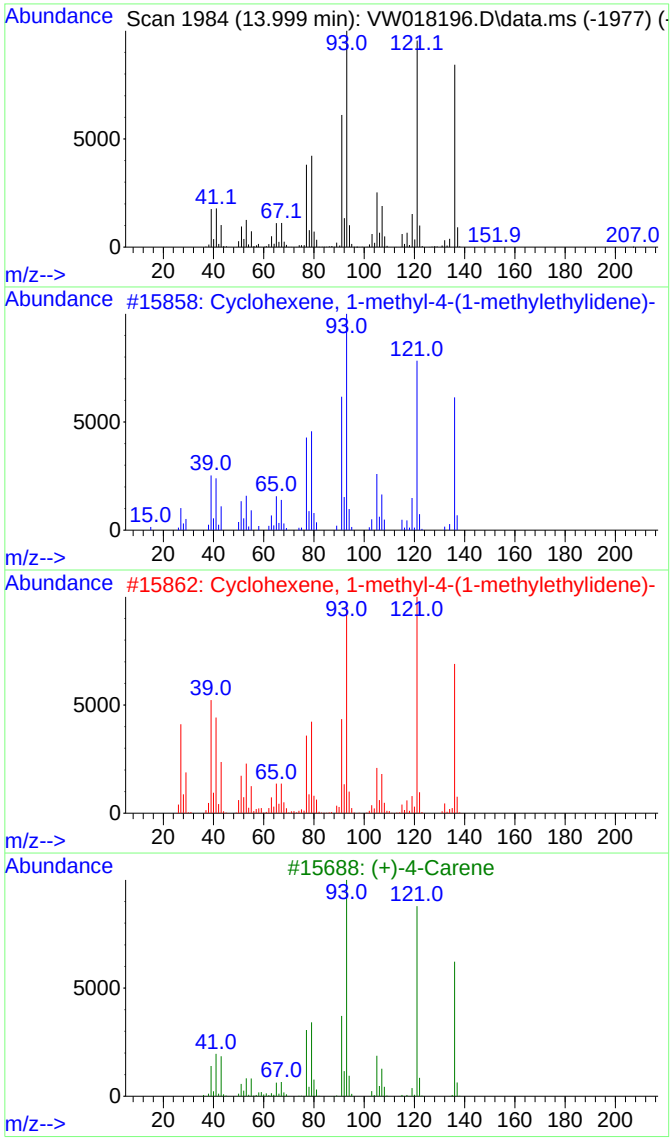
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

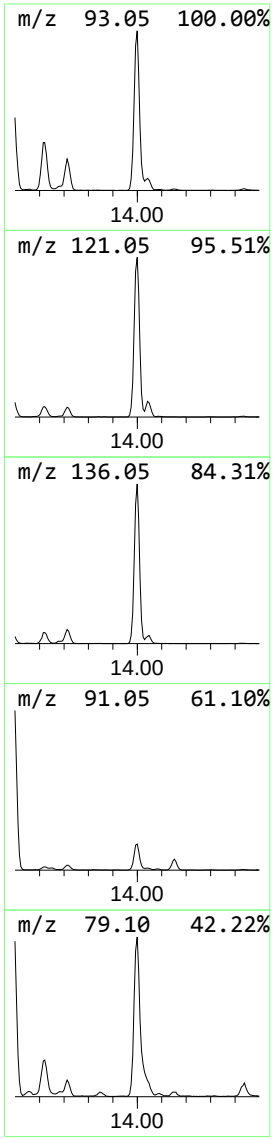
****

Peak Number 14 (+)-4-Carene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	64.42 ug/L	1194210	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	98
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
3	(+)-4-Carene	136	C10H16	029050-33-7	96
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
5	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

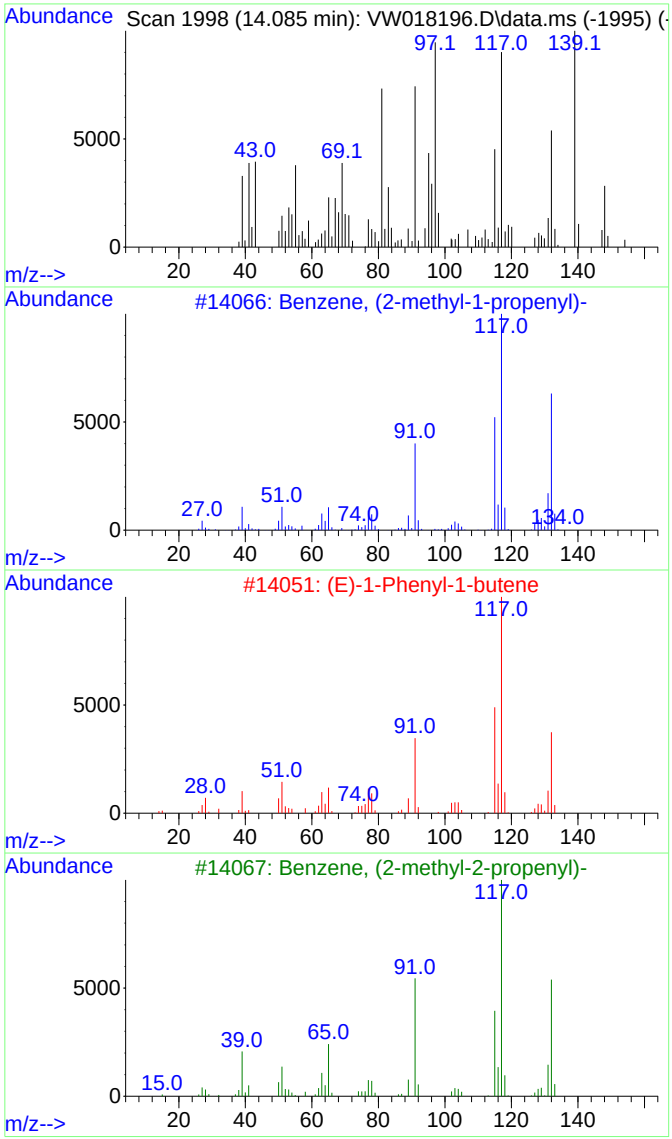
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

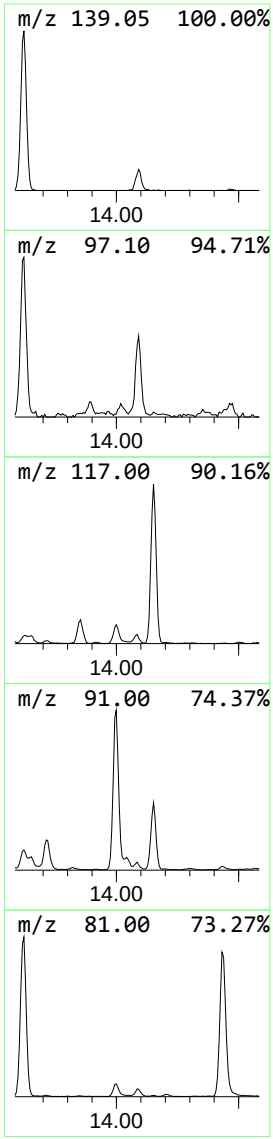
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, (2-methyl-1-propen... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.085	3.53 ug/L	65372	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	60
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	44
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	25
5	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

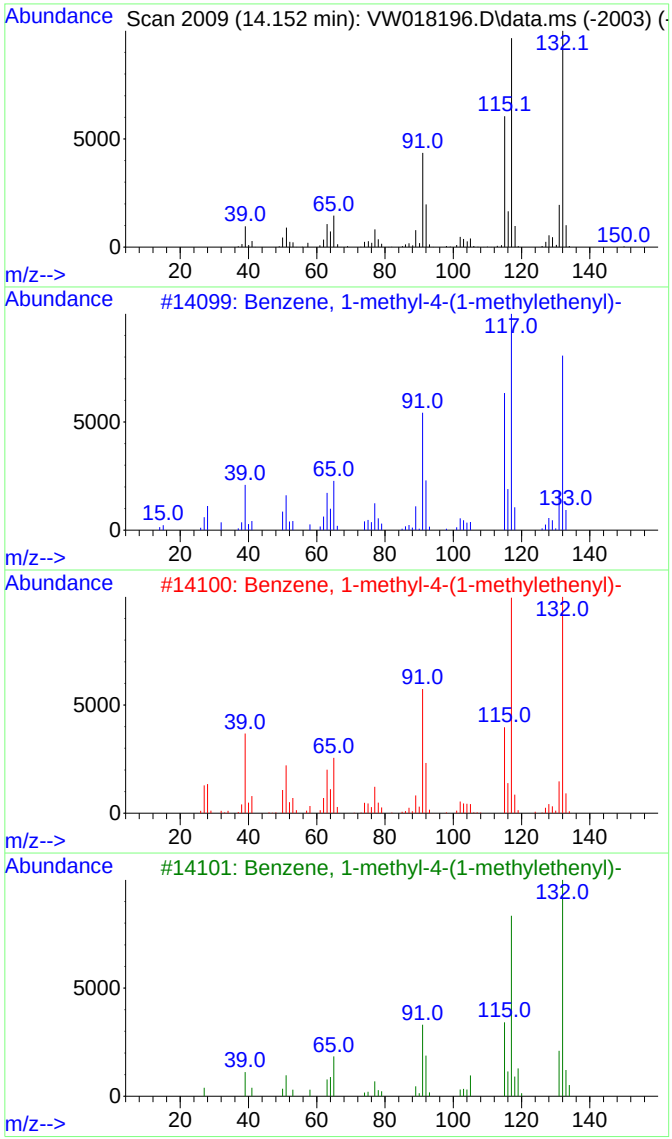
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

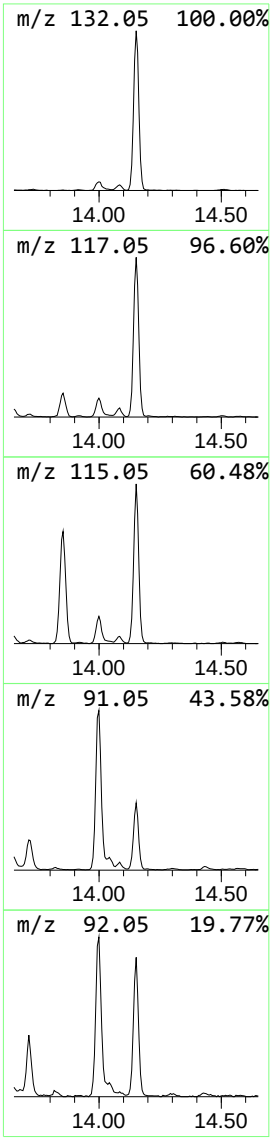
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.152	23.99 ug/L	444718	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	96
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	93
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	90
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





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Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

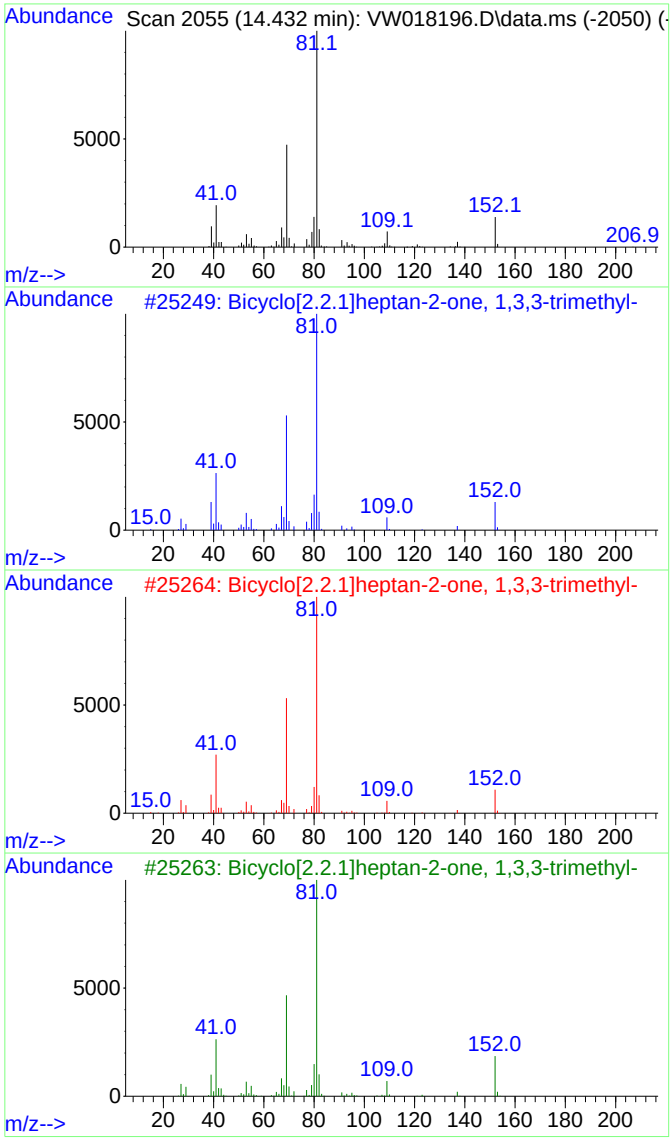
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

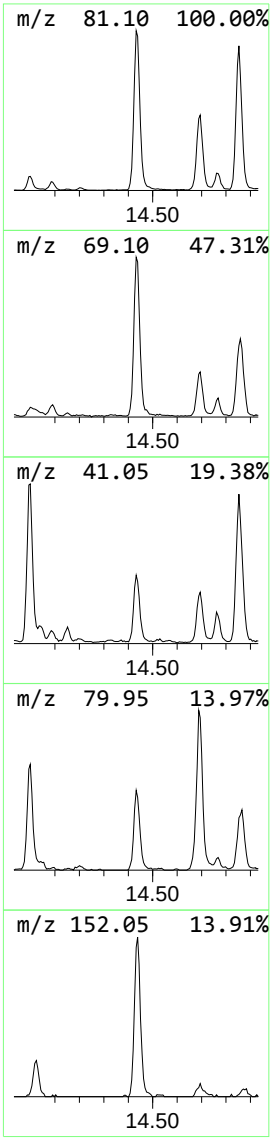
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	11.40 ug/L	211414	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
4	L-Fenchone	152	C10H16O	007787-20-4	94
5	L-Fenchone	152	C10H16O	007787-20-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

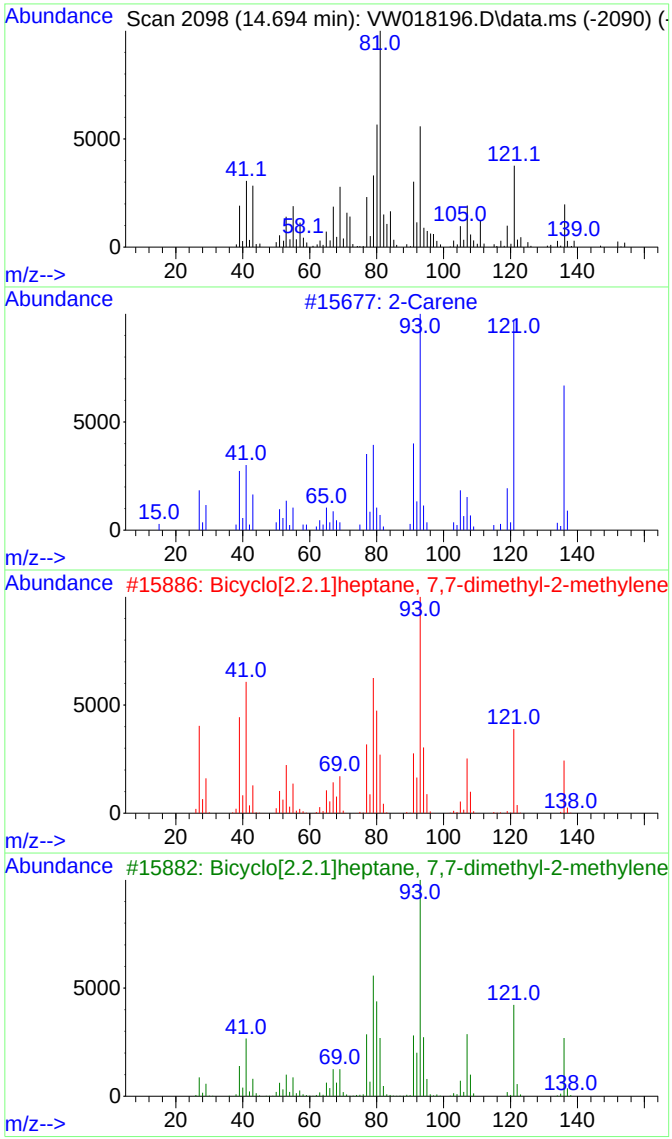
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

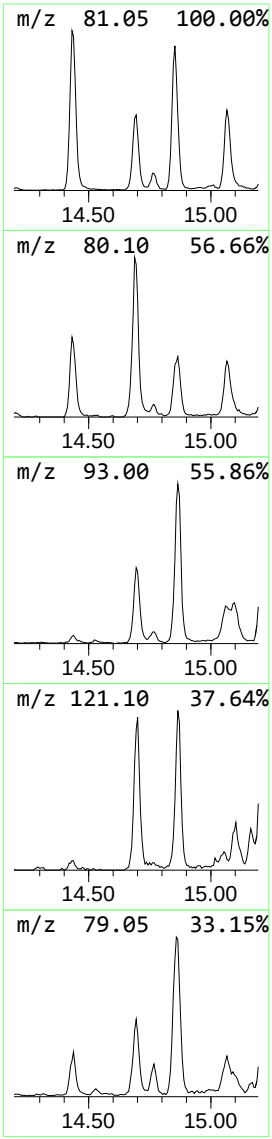
****

Peak Number 18 2-Carene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.694	15.04 ug/L	278829	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Carene	136	C10H16	000554-61-0	84
2	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	50
3	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	50
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	50
5	(+)-4-Carene	136	C10H16	029050-33-7	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

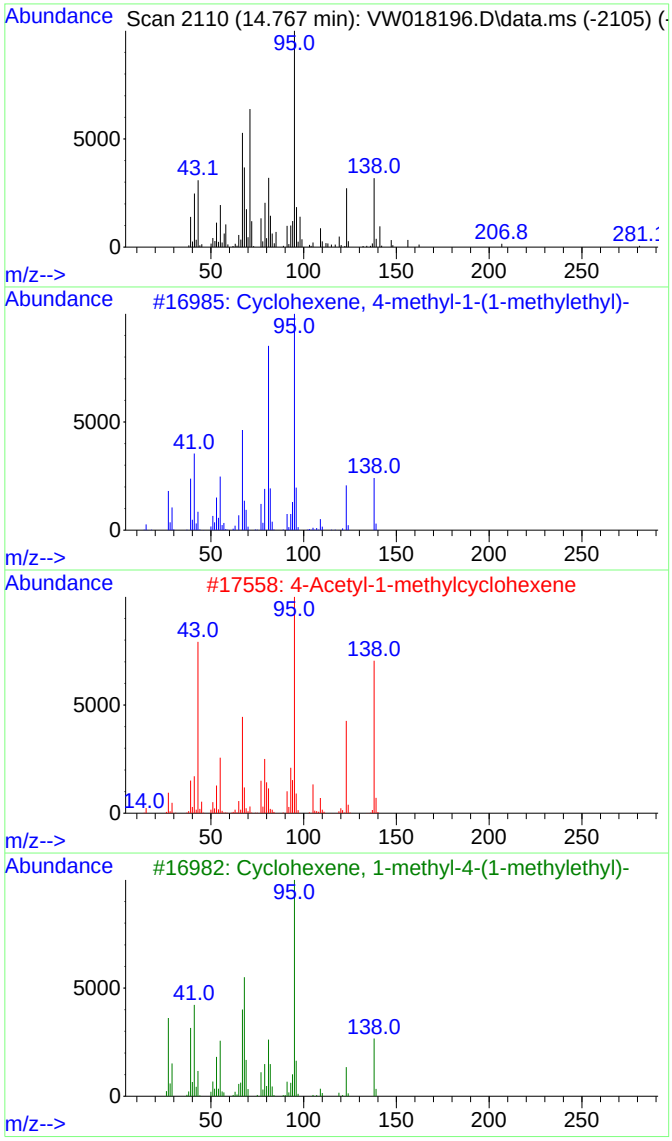
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

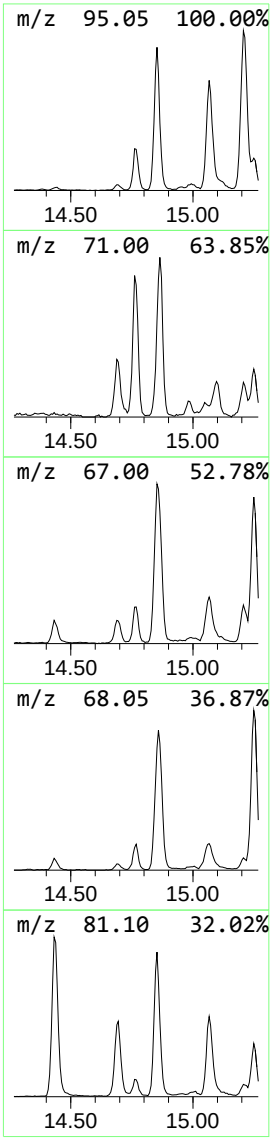
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 4-Acetyl-1-methylcyclohexene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.767	7.62 ug/L	141198	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	89
2	4-Acetyl-1-methylcyclohexene	138	C9H14O	006090-09-1	76
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	70
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	70
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64





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Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

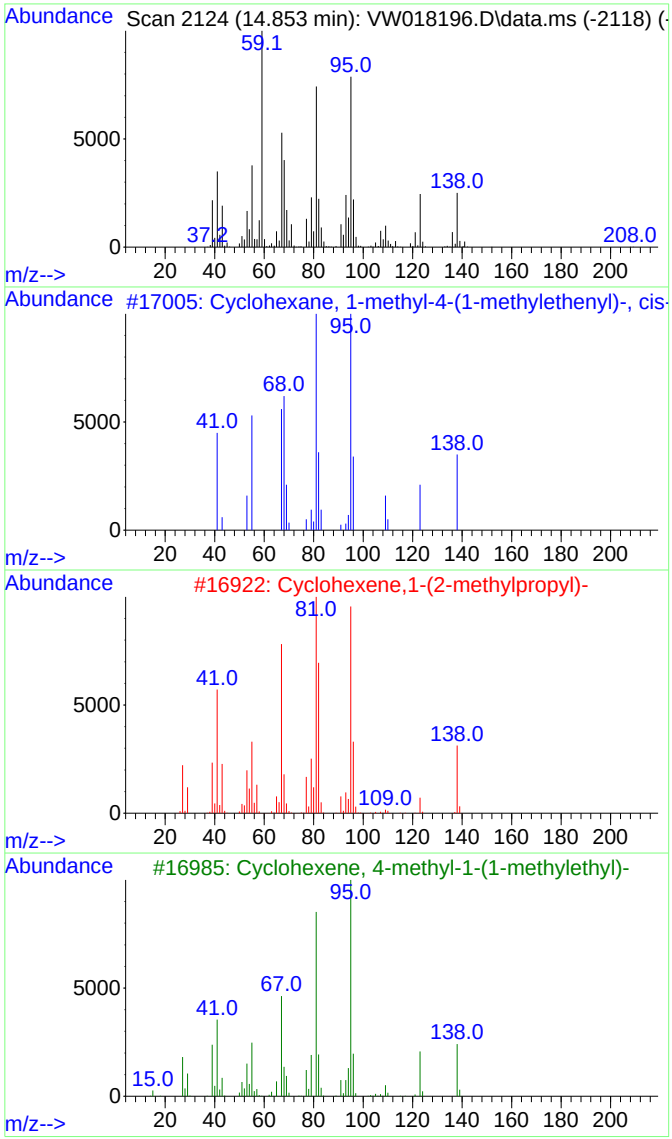
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

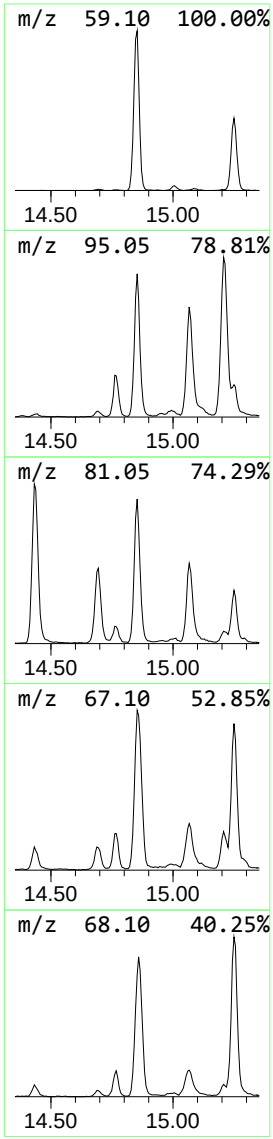
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	43.86 ug/L	813093	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	92
2	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	64
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64
4	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64





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Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

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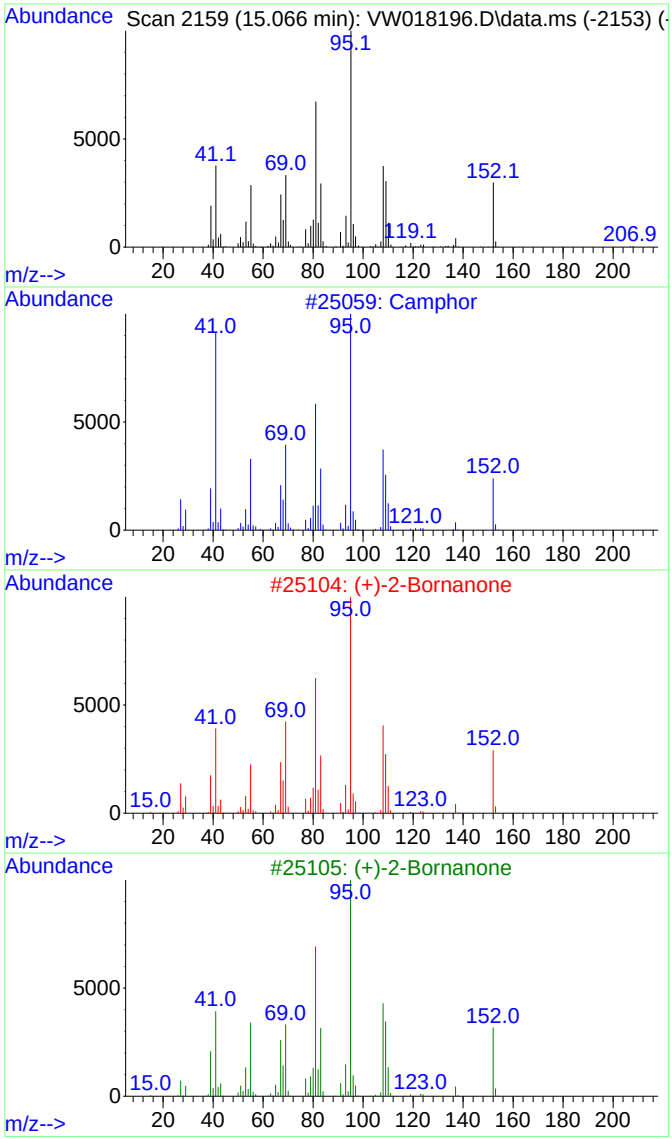
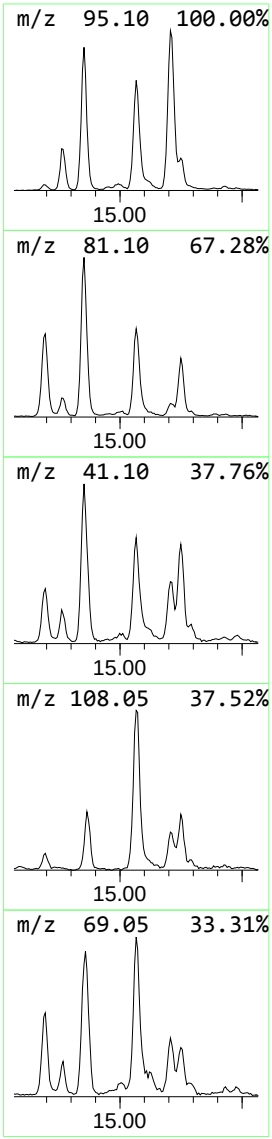
Peak Number 21 Camphor Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	22.29 ug/L	413209	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
4	Camphor	152	C10H16O	000076-22-2	98
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

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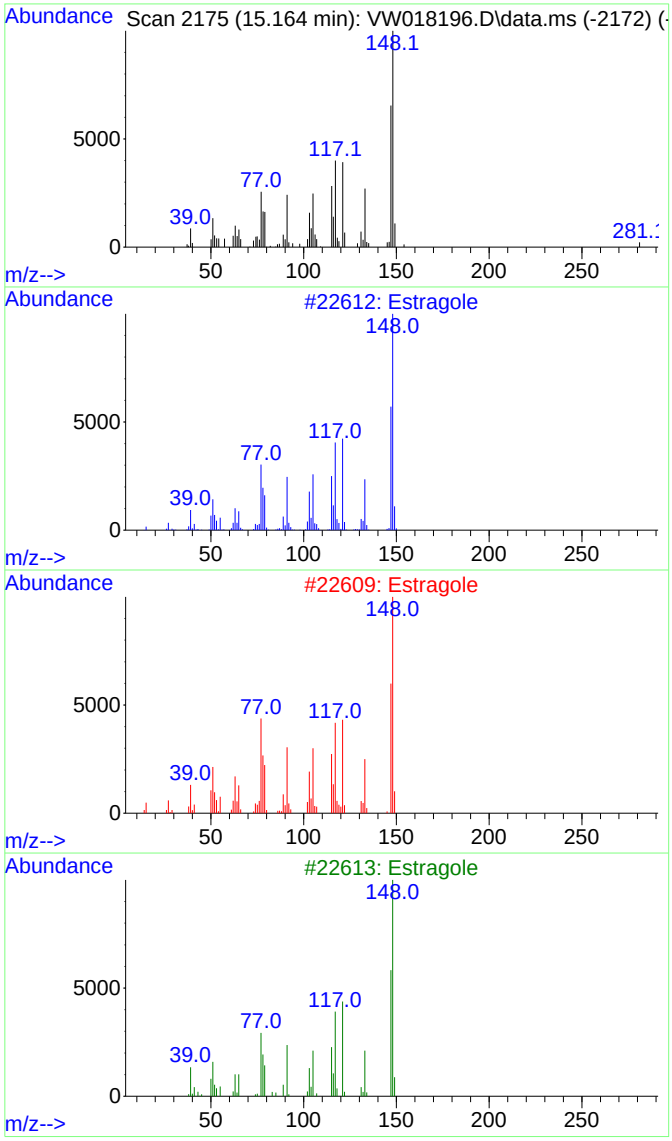
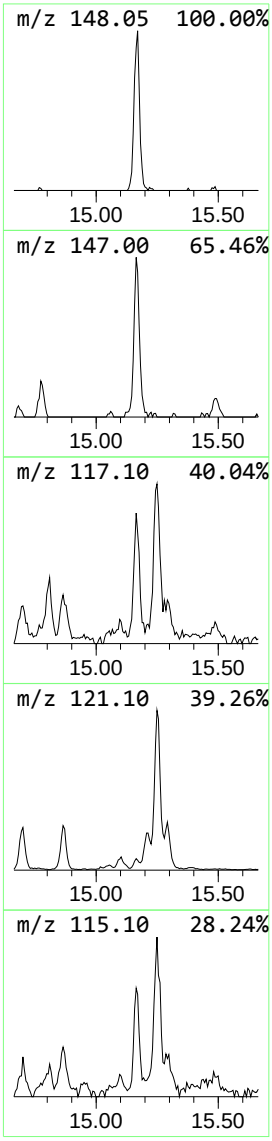
Peak Number 22 Estragole Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.164	1.48 ug/L	27456	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Estragole	148	C10H12O	000140-67-0	97
2	Estragole	148	C10H12O	000140-67-0	96
3	Estragole	148	C10H12O	000140-67-0	96
4	Estragole	148	C10H12O	000140-67-0	95
5	Anethole	148	C10H12O	000104-46-1	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

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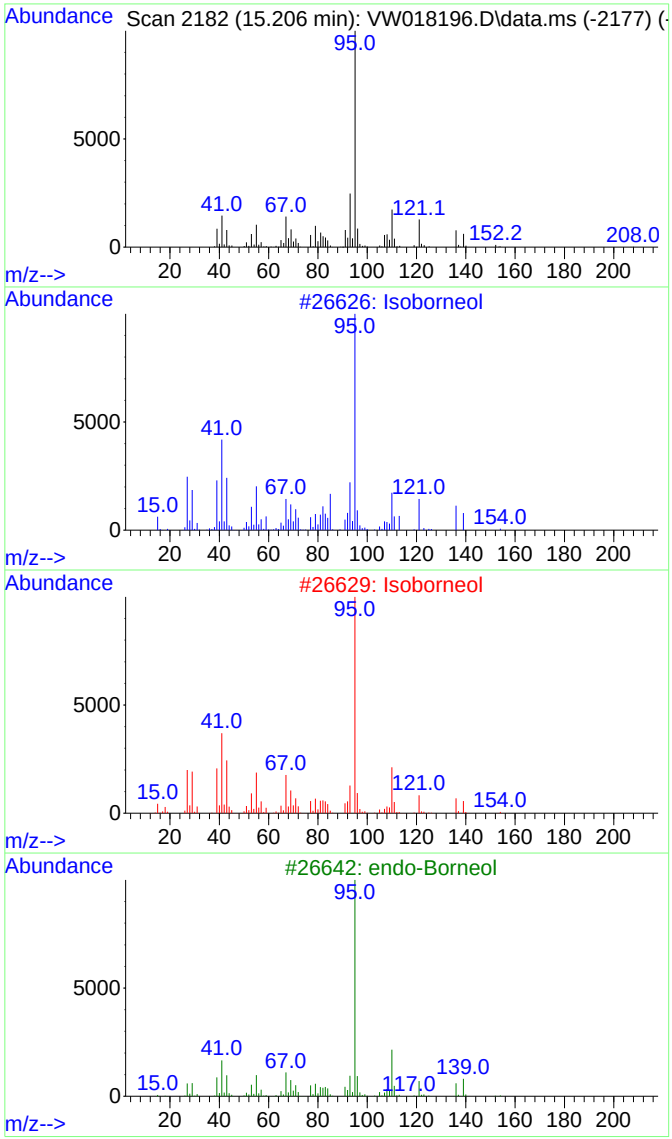
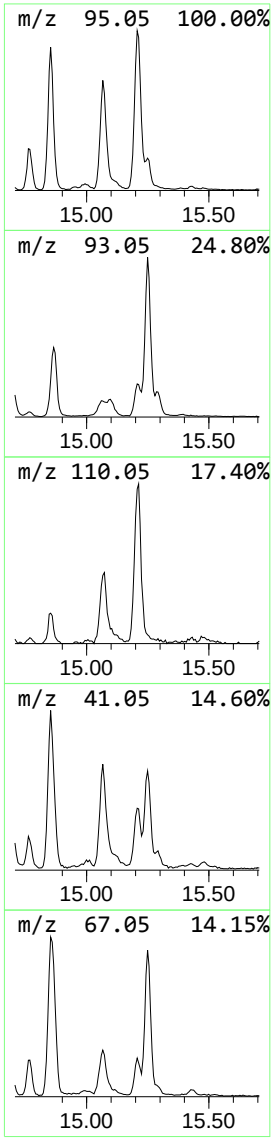
Peak Number 23 Isoborneol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.206	12.51 ug/L	231851	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoborneol	154	C10H18O	000124-76-5	86
2	Isoborneol	154	C10H18O	000124-76-5	81
3	endo-Borneol	154	C10H18O	000507-70-0	81
4	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	64
5	endo-Borneol	154	C10H18O	000507-70-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

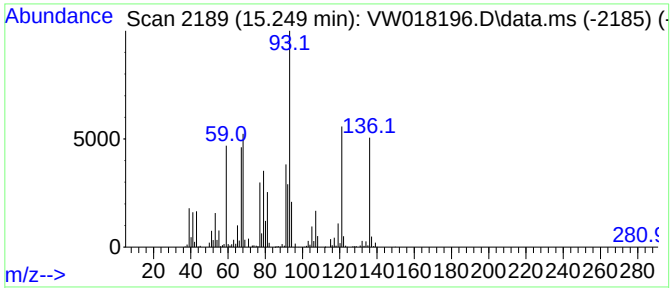
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

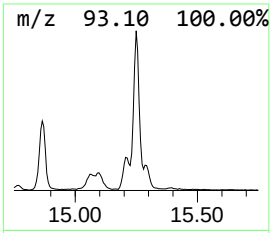
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

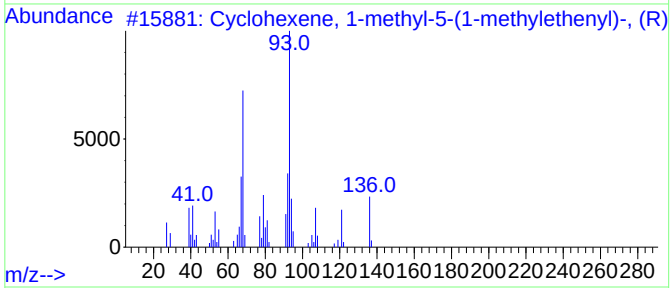
****
Peak Number 24 Cyclohexene, 1-methyl-5-(1-... Concentration Rank 8

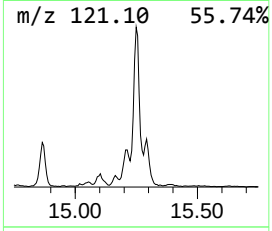
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.249	29.43 ug/L	545637	1,4-Dichlorobenzene-d4	13.560

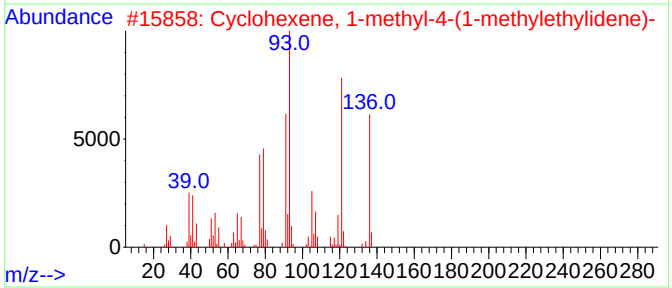
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	64
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	64
3	3-Carene	136	C10H16	013466-78-9	60
4	.gamma.-Terpinene	136	C10H16	000099-85-4	55
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	55

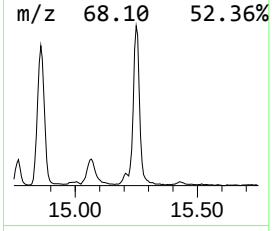


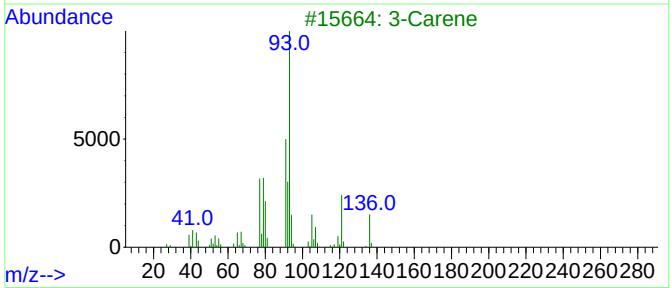


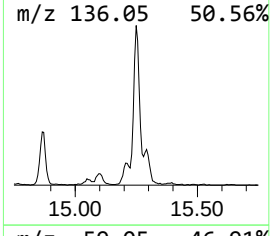


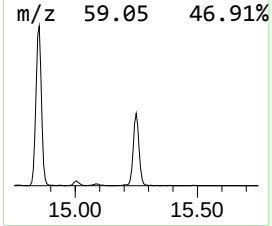












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ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

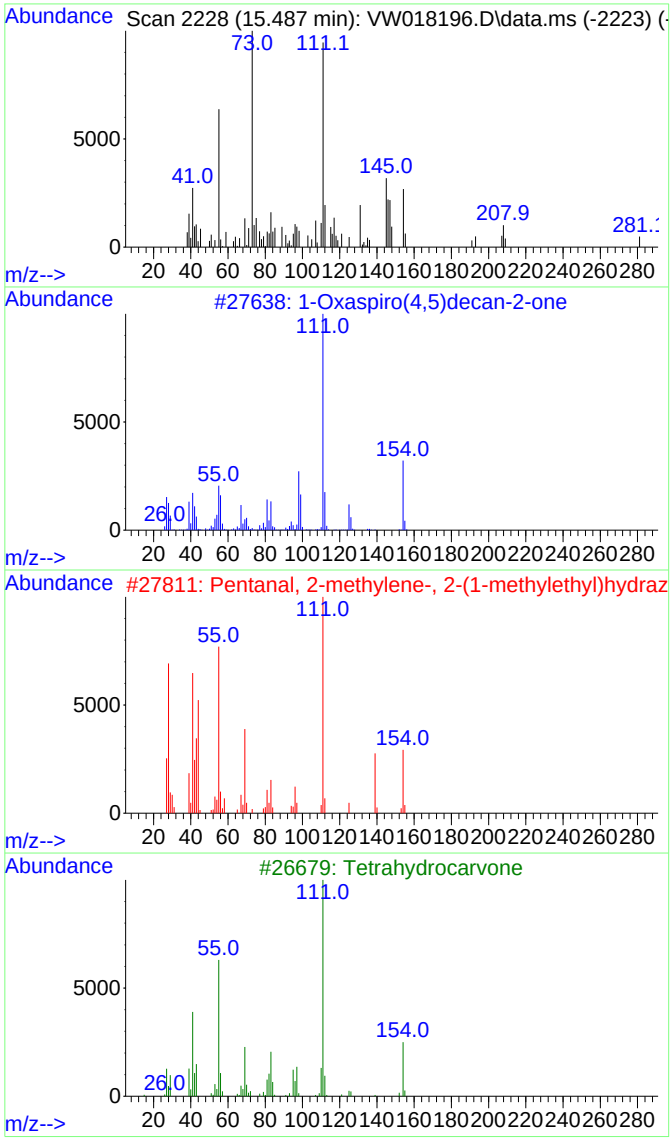
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

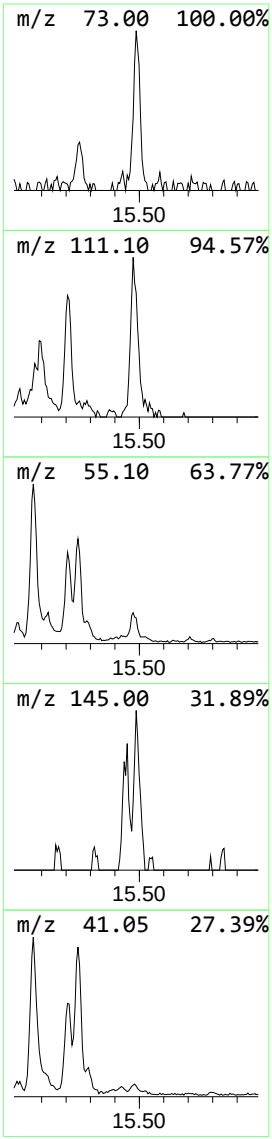
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.487	2.56 ug/L	47501	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxaspiro(4,5)decan-2-one	154	C9H14O2	000699-61-6	38
2	Pentanal, 2-methylene-, 2-(1-met...	154	C9H18N2	033063-80-8	38
3	Tetrahydrocarvone	154	C10H18O	000499-70-7	38
4	Deoxycytidine	227	C9H13N3O4	000951-77-9	35
5	2-Thiophenecarbonyl chloride	146	C5H3ClOS	005271-67-0	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018196.D
Acq On : 17 Feb 2021 19:00
Operator : SY/VA
Sample : M1414-14RE
Misc : 4.85G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGZ9RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.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
Furan	3.733	2.3	ug/L	73935	1	8.842	794474	25.0
(+)-3-Carene	12.365	2.5	ug/L	71494	2	11.634	703476	25.0
(DEL) Alkane: C...	12.920	72.0	ug/L	1333960	3	13.560	463453	25.0
Cyclohexene, 4-...	13.036	7.5	ug/L	139089	3	13.560	463453	25.0
(DEL) Alkane: C...	13.091	5.0	ug/L	92186	3	13.560	463453	25.0
Bicyclo[3.1.0]h...	13.256	12.3	ug/L	227903	3	13.560	463453	25.0
7-Oxabicyclo[2....	13.371	153.4	ug/L	2843070	3	13.560	463453	25.0
D-Limonene	13.469	354.3	ug/L	6568250	3	13.560	463453	25.0
o-Cymene	13.493	338.7	ug/L	6278520	3	13.560	463453	25.0
Eucalyptol	13.621	64.8	ug/L	1200410	3	13.560	463453	25.0
.gamma.-Terpinene	13.713	8.1	ug/L	150803	3	13.560	463453	25.0
(+)-4-Carene	13.999	64.4	ug/L	1194210	3	13.560	463453	25.0
Benzene, (2-met...	14.085	3.5	ug/L	65372	3	13.560	463453	25.0
Benzene, 1-meth...	14.152	24.0	ug/L	444718	3	13.560	463453	25.0
Bicyclo[2.2.1]h...	14.432	11.4	ug/L	211414	3	13.560	463453	25.0
2-Carene	14.694	15.0	ug/L	278829	3	13.560	463453	25.0
4-Acetyl-1-meth...	14.767	7.6	ug/L	141198	3	13.560	463453	25.0
Cyclohexane, 1-...	14.853	43.9	ug/L	813093	3	13.560	463453	25.0
Camphor	15.066	22.3	ug/L	413209	3	13.560	463453	25.0
Estragole	15.164	1.5	ug/L	27456	3	13.560	463453	25.0
Isoborneol	15.206	12.5	ug/L	231851	3	13.560	463453	25.0
Cyclohexene, 1-...	15.249	29.4	ug/L	545637	3	13.560	463453	25.0
unknown-01	15.487	2.6	ug/L	47501	3	13.560	463453	25.0