LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

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: VW018083.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.958	6	9	21	rVB2	11305	21466	0.05%	0.028%
2	2.361	68	75	88	rVB	67506	137152	0.33%	0.180%
3	2.891	155	162	177	rVV	50650	131115	0.32%	0.173%
4	3.391	239	244	245	rBV2	679	885	0.00%	0.001%
5	3.739	299	301	309	rVB2	270	473	0.00%	0.001%
6	4.025	336	348	358	rBV	117164	377156	0.92%	0.496%
7	4.117	358	363	379	rVV	28814	81308	0.20%	0.107%
8	4.391	399	408	415	rBV4	1552	4346	0.01%	0.006%
9	4.921	483	495	509	rVV3	7699	28516	0.07%	0.038%
10	5.781	630	636	638	rBV5	969	1919	0.00%	0.003%
11	5.945	654	663	670	rBV4	2297	6333	0.02%	0.008%
12	6.878	811	816	819	rBV2	552	736	0.00%	0.001%
13	6.976	829	832	834	rBV2	349	389	0.00%	0.001%
14	7.073	839	848	860	rBV	27266	79191	0.19%	0.104%
15	7.262	878	879	885	rVB3	280	365	0.00%	0.000%
16	7.317	885	888	893	rVV3	265	380	0.00%	0.001%
17	7.537	920	924	929	rBV3	309	519	0.00%	0.001%
18	7.646	931	942	960	rBV	195025	476435	1.16%	0.627%
19	7.951	985	992	997	rBV5	1526	3679	0.01%	0.005%
20	8.030	997	1005	1017	rVB3	12549	31093	0.08%	0.041%
21	8.152	1020	1025	1026	rBV3	1101	1517	0.00%	0.002%
22	8.274	1034	1045	1064	rVV2	364278	1101748	2.68%	1.450%
23	8.402	1064	1066	1067	rVV	742	585	0.00%	0.001%
24	8.482	1067	1079	1099	rVV	83217	230570	0.56%	0.303%
25	8.701	1109	1115	1119	rBV6	1269	2736	0.01%	0.004%
26	8.841	1129	1138	1152	rBV	413055	806558	1.96%	1.061%
27	9.073	1172	1176	1181	rVB4	806	1243	0.00%	0.002%
28	9.146	1184	1188	1194	rVB4	672	1115	0.00%	0.001%
29	9.274	1200	1209	1215	rBV	246295	501758	1.22%	0.660%
30	9.335	1215	1219	1224	rVV2	38015	77074	0.19%	0.101%
31	9.384	1224	1227	1235	rVV2	15351	27050	0.07%	0.036%
32	9.463	1235	1240	1245	rVV2	2804	6281	0.02%	0.008%
33	9.518	1245	1249	1254	rVB5	2317	4375	0.01%	0.006%
34	9.609	1254	1264	1270	rBV4	5382	11913	0.03%	0.016%
35	9.756	1280	1288	1299	rBV2	33374	72743	0.18%	0.096%
36	9.896	1299	1311	1317	rBV2	29833	68121	0.17%	0.090%

LSC Area Percent Report

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Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

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

37	10.036	1327	1334	1340	rBV	120156	213630	0.52%	0.281%
38	10.213	1356	1363	1364	rBV4	3464	5733	0.01%	0.008%
39	10.250	1364	1369	1374	rVB2	11236	19721	0.05%	0.026%
40	10.323	1374	1381	1397	rVB	531917	960994	2.34%	1.265%
41	10.445	1397	1401	1404	rBV5	4181	6752	0.02%	0.009%
42	10.506	1404	1411	1417	rVB3	18628	44010	0.11%	0.058%
43	10.579	1417	1423	1428	rBV	73504	128028	0.31%	0.168%
44	10.664	1432	1437	1447	rVB3	31217	61296	0.15%	0.081%
45	10.762	1447	1453	1459	rBV3	15544	32461	0.08%	0.043%
46	10.847	1463	1467	1472	rVB2	9092	14246	0.03%	0.019%
47	10.926	1472	1480	1488	rBV2	119829	219778	0.54%	0.289%
48	11.030	1488	1497	1506	rBV4	13474	36568	0.09%	0.048%
49	11.109	1506	1510	1513	rBV2	11961	18964	0.05%	0.025%
50	11.176	1513	1521	1525	rBV	60672	108044	0.26%	0.142%
51	11.231	1525	1530	1536	rVB	109211	198355	0.48%	0.261%
52	11.286	1536	1539	1542	rVB3	7503	9179	0.02%	0.012%
53	11.335	1542	1547	1552	rVB2	37955	60552	0.15%	0.080%
54	11.384	1552	1555	1556	rBV3	5934	7104	0.02%	0.009%
55	11.432	1558	1563	1571	rVB2	59622	120538	0.29%	0.159%
56	11.512	1571	1576	1580	rBV	22722	39996	0.10%	0.053%
57	11.560	1581	1584	1589	rVB5	6329	8782	0.02%	0.012%
58	11.633	1589	1596	1605	rBV	459700	803261	1.96%	1.057%
59	11.725	1607	1611	1614	rBV3	19185	29153	0.07%	0.038%
60	11.761	1614	1617	1620	rBV	34699	49823	0.12%	0.066%
61	11.816	1620	1626	1631	rBV4	104033	205664	0.50%	0.271%
62	11.871	1631	1635	1639	rBV	82769	116289	0.28%	0.153%
63	11.975	1647	1652	1655	rBV2	26339	42220	0.10%	0.056%
64	12.139	1670	1679	1687	rBV2	172684	419095	1.02%	0.552%
65	12.249	1693	1697	1702	rVB	330272	503566	1.23%	0.663%
66	12.365	1706	1716	1727	rBV3	709271	1850427	4.51%	2.435%
67	12.463	1727	1732	1737	rVB	231330	361925	0.88%	0.476%
68	12.609	1752	1756	1763	rBV5	42671	96277	0.23%	0.127%
69	12.694	1763	1770	1779	rBV4	273303	682934	1.66%	0.899%
70	12.780	1779	1784	1793	rBV3	206609	399452	0.97%	0.526%
71	12.914	1793	1806	1810	rBV2	8117055	18238703	44.42%	24.002%
72	13.048	1820	1828	1834	rBV	22493455	41055344	100.00%	54.028%
73	13.176	1844	1849	1852	rBV3	29305	53346	0.13%	0.070%
74	13.212	1852	1855	1859	rVB3	39175	56289	0.14%	0.074%
75	13.377	1879	1882	1888	rVB3	29625	50252	0.12%	0.066%
76	13.444	1889	1893	1896	rVV2	48150	72427	0.18%	0.095%

LSC Area Percent Report

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Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

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

77	13.499	1896	1902	1907	rVV	561251	888585	2.16%	1.169%
78	13.554	1907	1911	1920	rVB	332312	570624	1.39%	0.751%
79	13.651	1920	1927	1940	rVB	715516	1103201	2.69%	1.452%
80	13.853	1950	1960	1965	rBV2	268547	507886	1.24%	0.668%
81	13.907	1965	1969	1974	rVB	66475	106129	0.26%	0.140%
82	14.011	1983	1986	1992	rBV4	6500	12063	0.03%	0.016%
83	14.096	1994	2000	2007	rVB	171165	262148	0.64%	0.345%
84	14.188	2010	2015	2022	rVB4	28873	61144	0.15%	0.080%
85	14.285	2026	2031	2042	rVB4	47406	114808	0.28%	0.151%
86	14.383	2043	2047	2051	rBV	35461	51448	0.13%	0.068%
87	14.529	2067	2071	2073	rBV4	10042	14543	0.04%	0.019%
88	14.572	2073	2078	2083	rVB	72704	114142	0.28%	0.150%
89	14.682	2084	2096	2101	rBV8	49830	154451	0.38%	0.203%
90	14.779	2107	2112	2120	rVB2	53084	99448	0.24%	0.131%
91	14.871	2122	2127	2137	rVB2	10603	21359	0.05%	0.028%
92	14.962	2138	2142	2145	rBV4	5968	10757	0.03%	0.014%
93	15.017	2146	2151	2156	rVB2	23058	41671	0.10%	0.055%
94	15.133	2166	2170	2171	rBV3	8976	12659	0.03%	0.017%
95	15.163	2172	2175	2185	rVB2	24084	42853	0.10%	0.056%
96	15.480	2222	2227	2233	rBV2	21285	39865	0.10%	0.052%
97	15.791	2274	2278	2285	rBV7	3579	7390	0.02%	0.010%
98	15.962	2302	2306	2312	rVB5	7554	14779	0.04%	0.019%
99	16.645	2410	2418	2419	rBV6	3273	7045	0.02%	0.009%
100	16.687	2419	2425	2431	rVB4	13265	29999	0.07%	0.039%

Sum of corrected areas: 75989018

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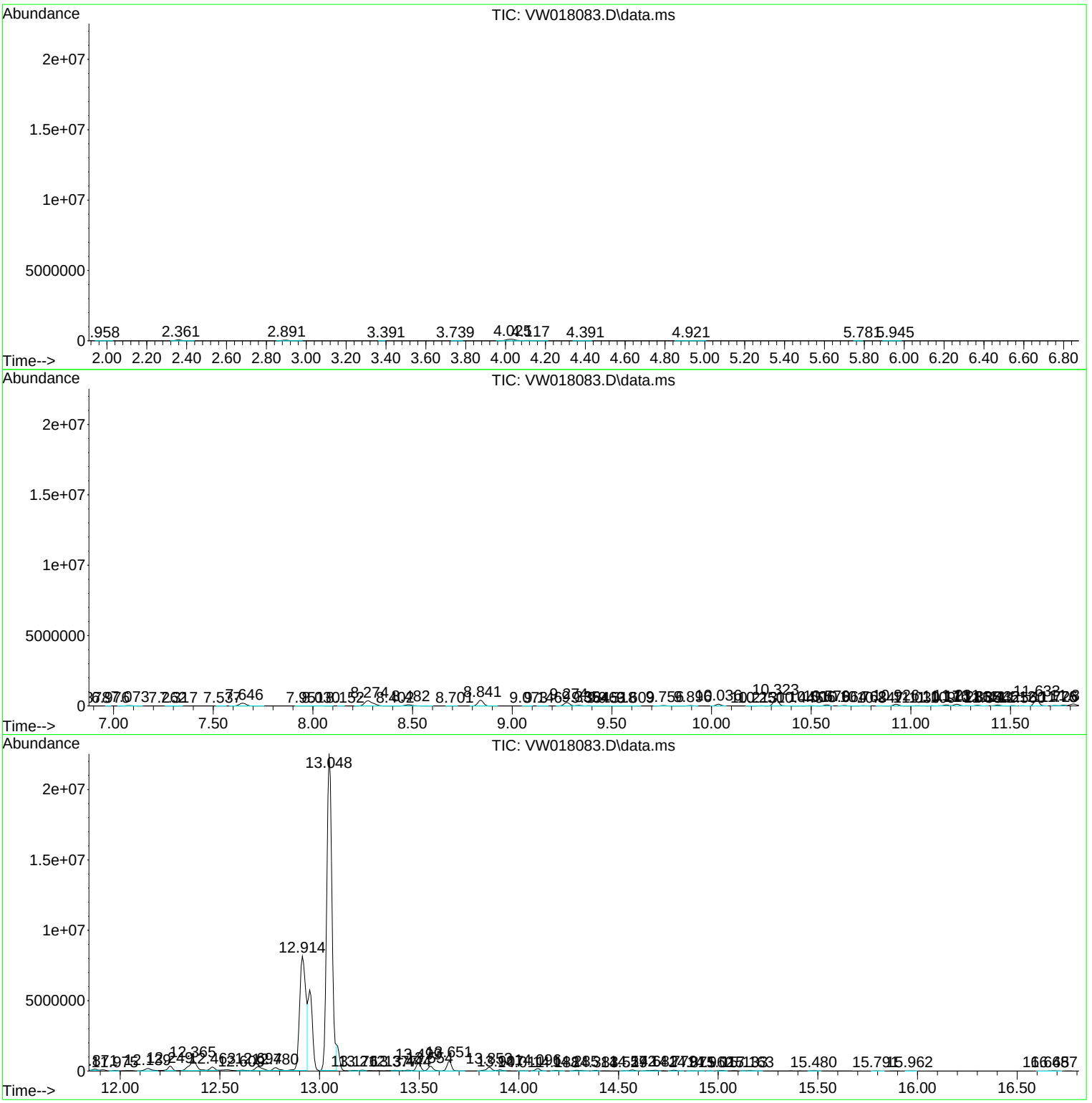
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

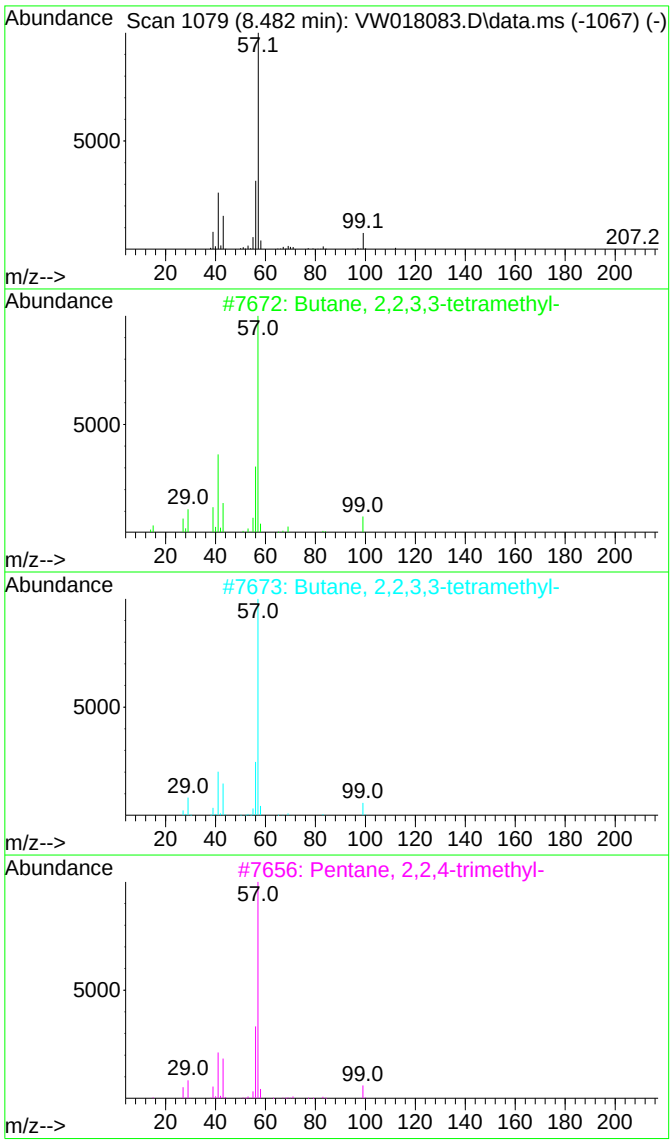
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

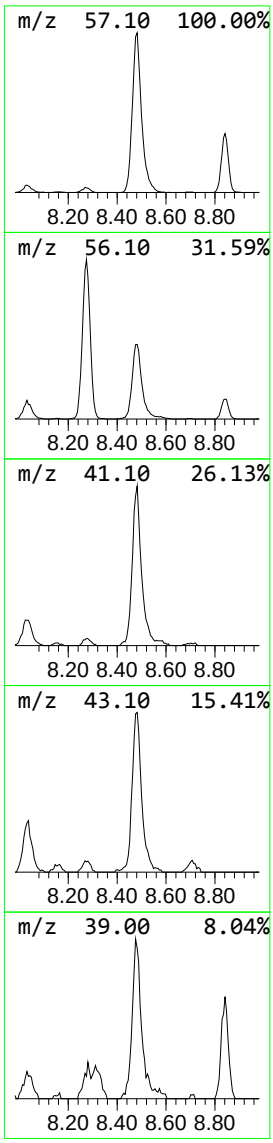
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	7.15 ug/L	230570	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

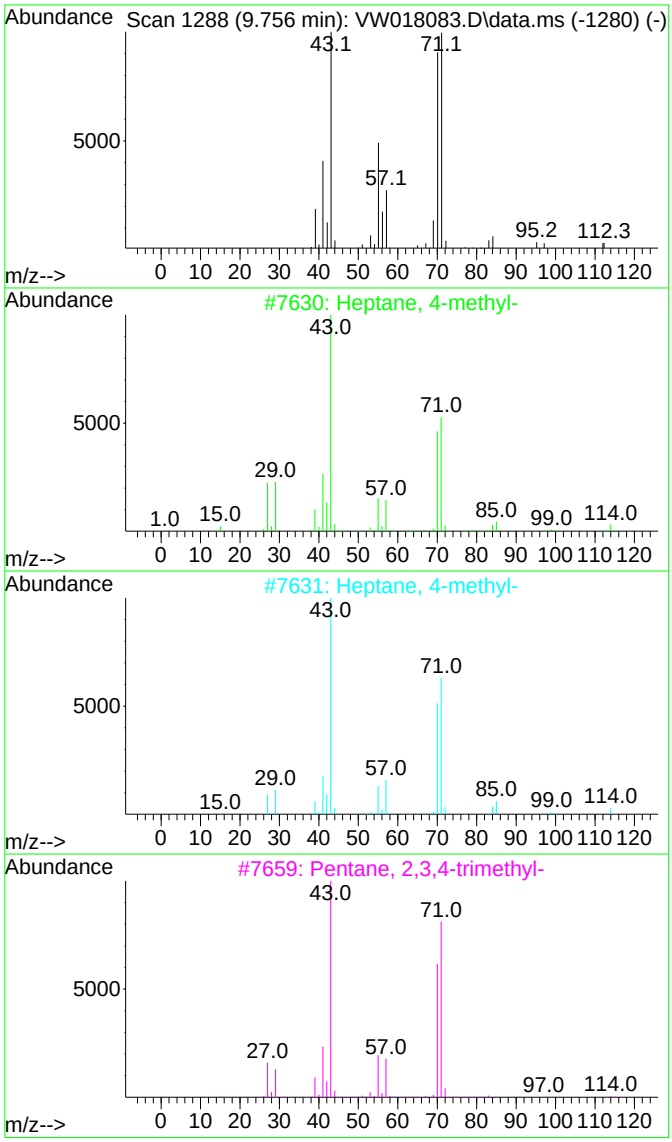
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

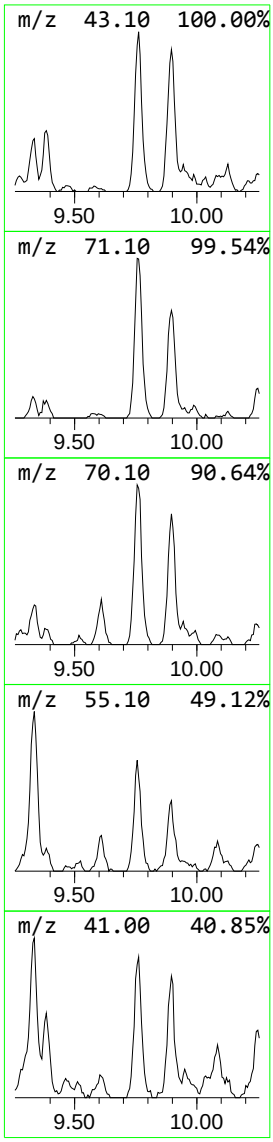
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	2.25 ug/L	72743	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	56
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	56
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

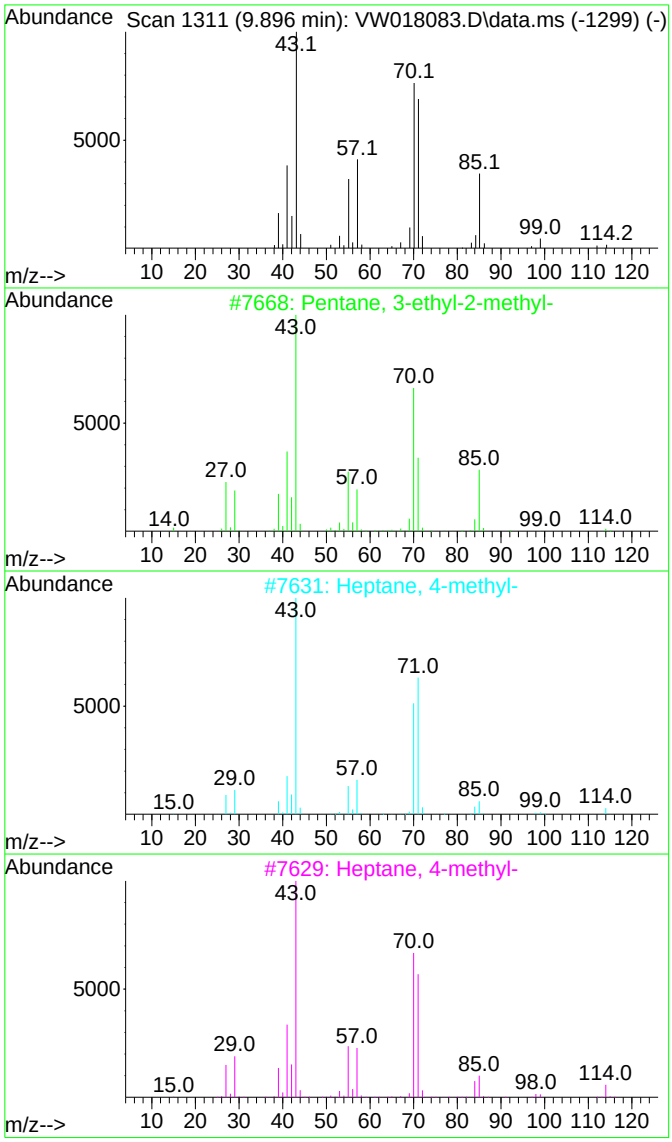
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

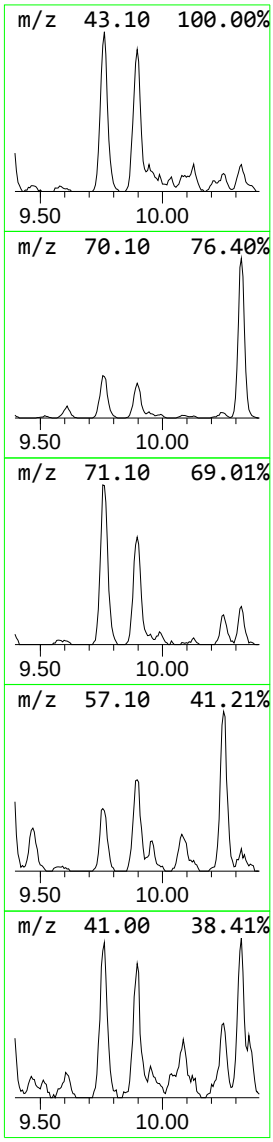
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	2.11 ug/L	68121	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	83
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	3,4-Diethyl hexane	142	C10H22	019398-77-7	64
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
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Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

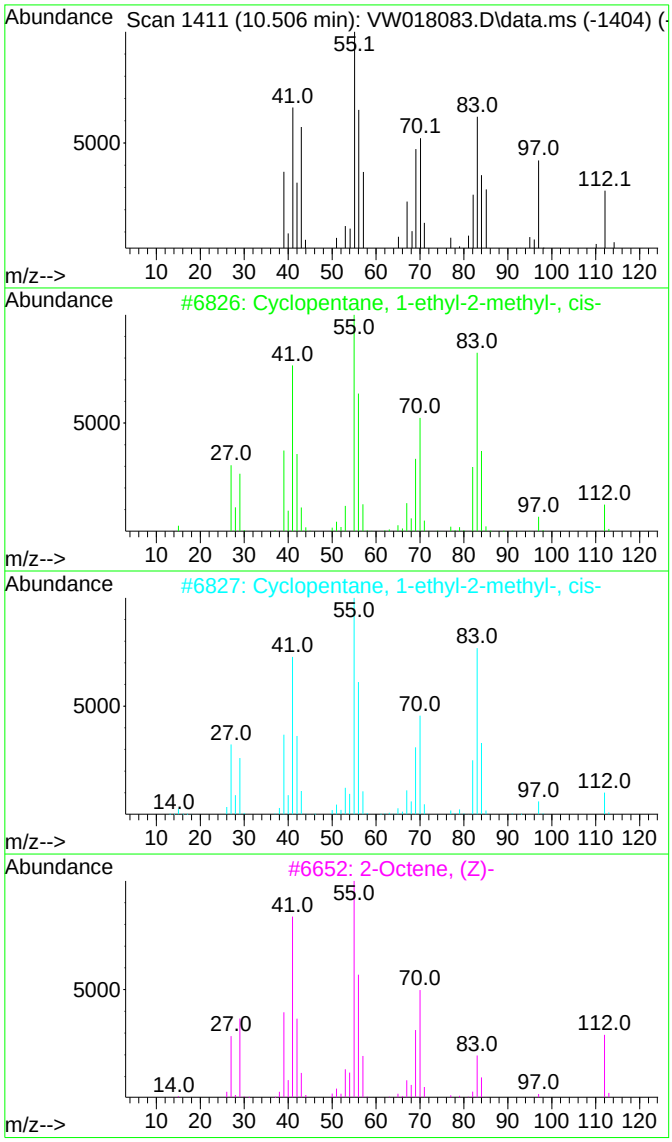
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

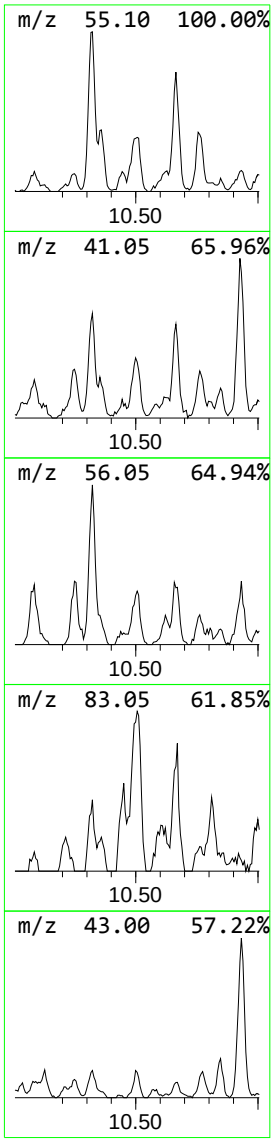
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic10.506 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.37 ug/L	44010	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	50
3	2-Octene, (Z)-	112	C8H16	007642-04-8	46
4	2-Octene, (Z)-	112	C8H16	007642-04-8	41
5	3-Octene, (E)-	112	C8H16	014919-01-8	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

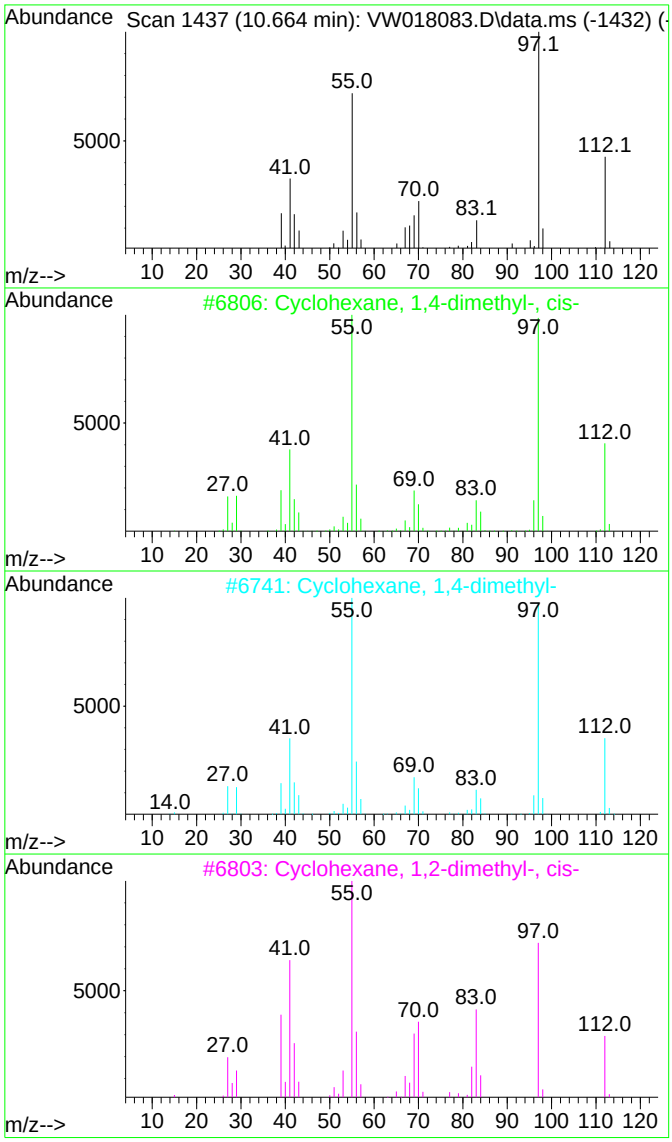
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

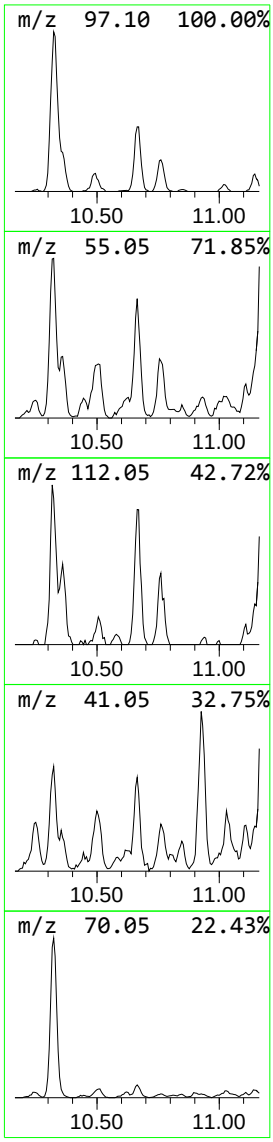
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic10.664 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	1.91 ug/L	61296	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	80
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	74
4	6-Decen-5-one	154	C10H18O	032064-79-2	72
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

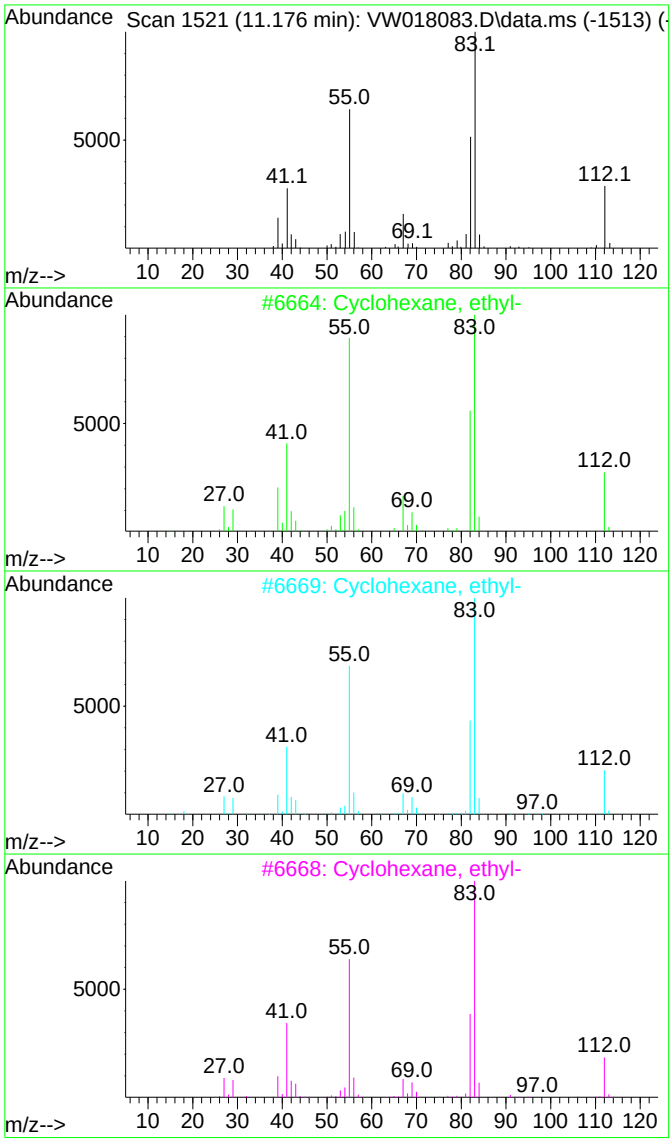
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

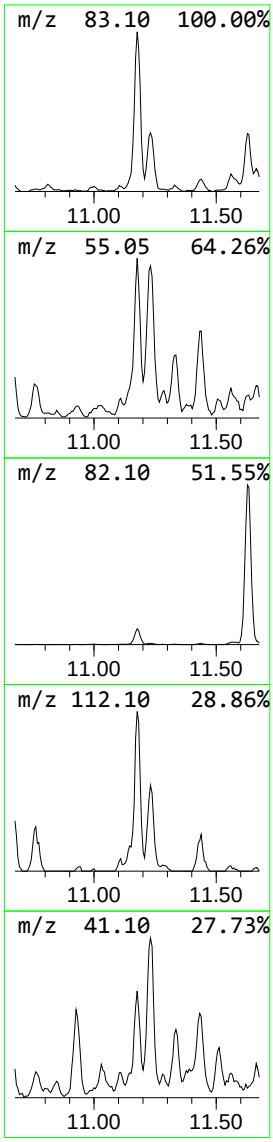
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic11.176 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	3.36 ug/L	108044	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	3-Ethyl-3-hexene	112	C8H16	016789-51-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

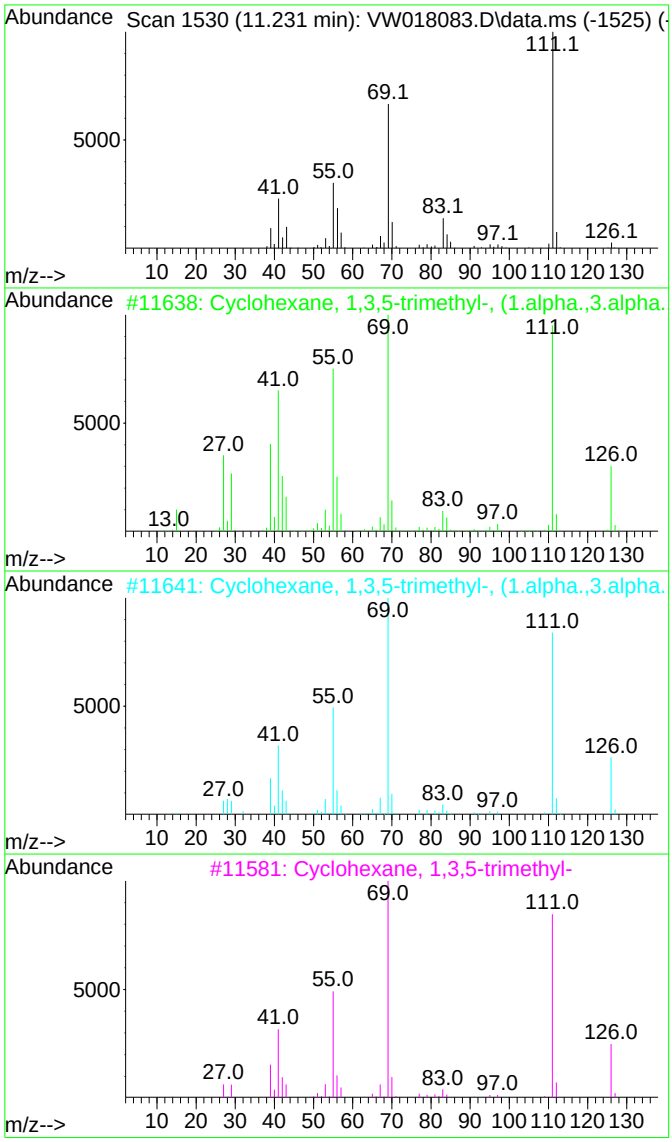
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

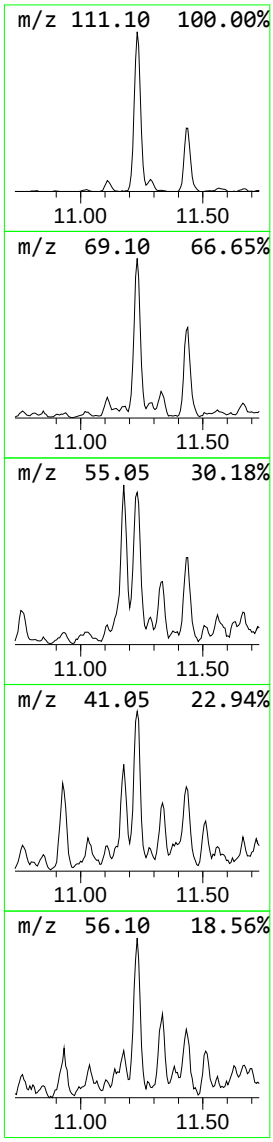
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic11.231 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	6.17 ug/L	198355	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	64





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Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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

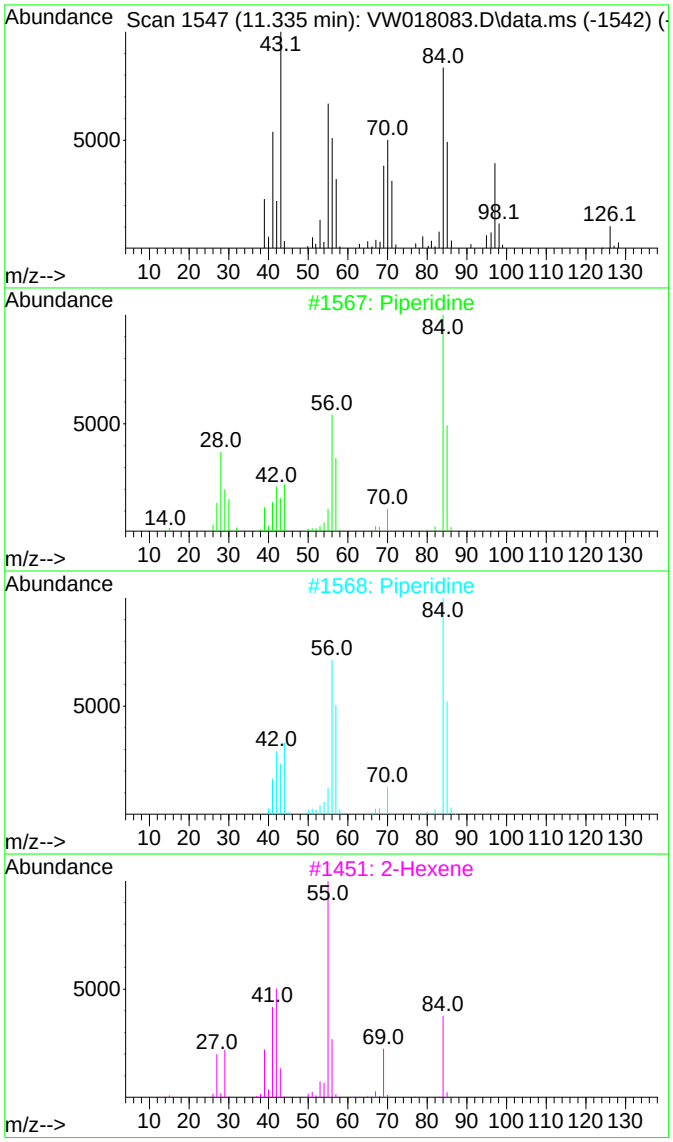
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

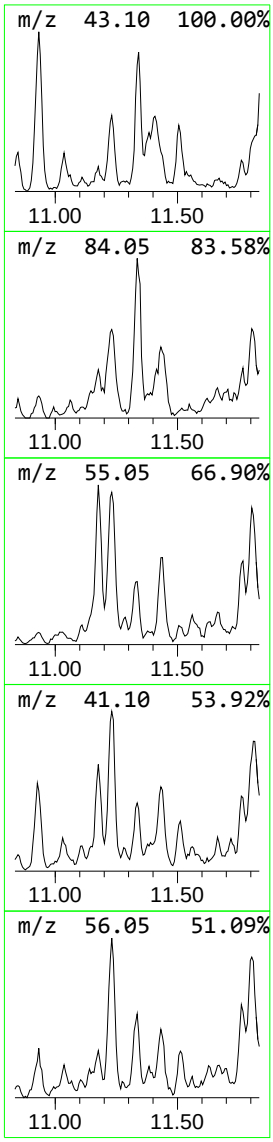
****

Peak Number 9 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	1.88 ug/L	60552	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	49
2	Piperidine	85	C5H11N	000110-89-4	47
3	2-Hexene	84	C6H12	000592-43-8	27
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	27
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

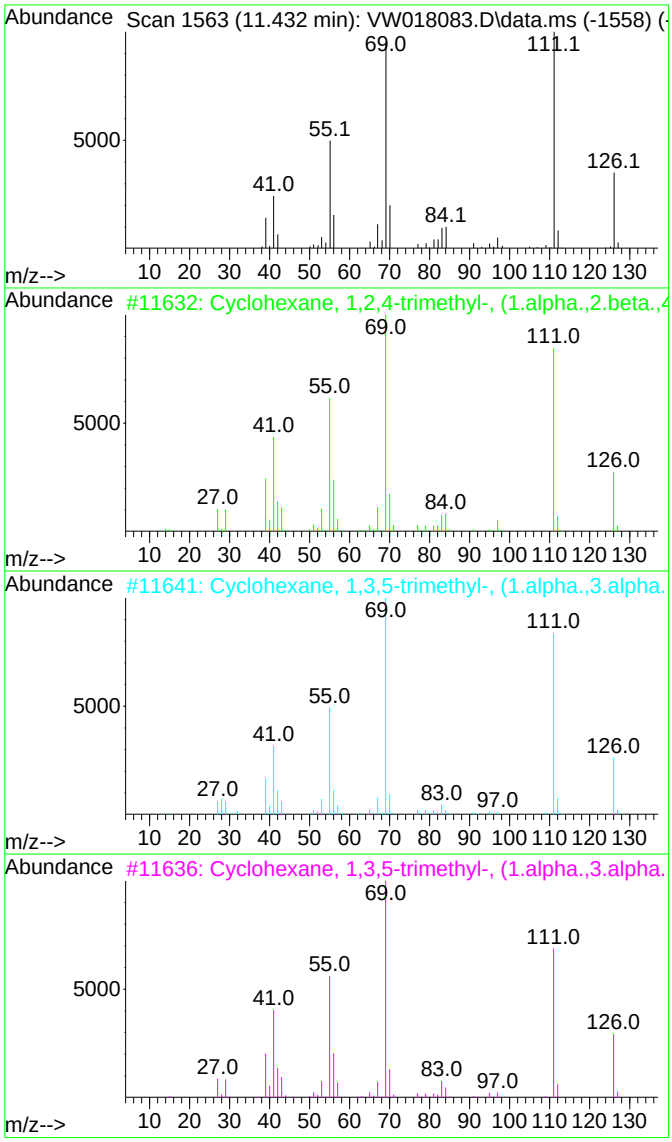
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

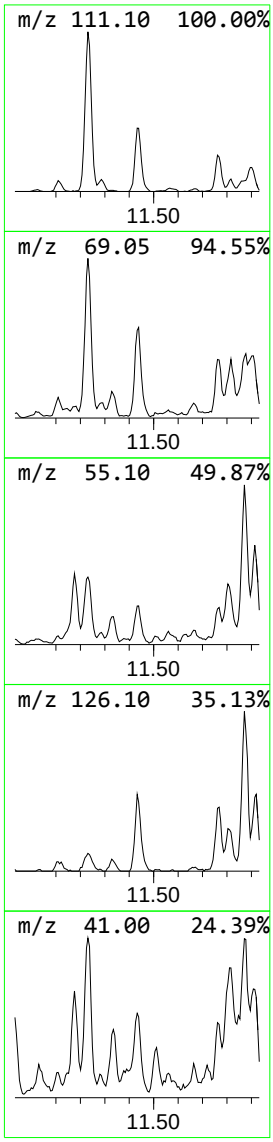
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic11.432 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	3.75 ug/L	120538	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

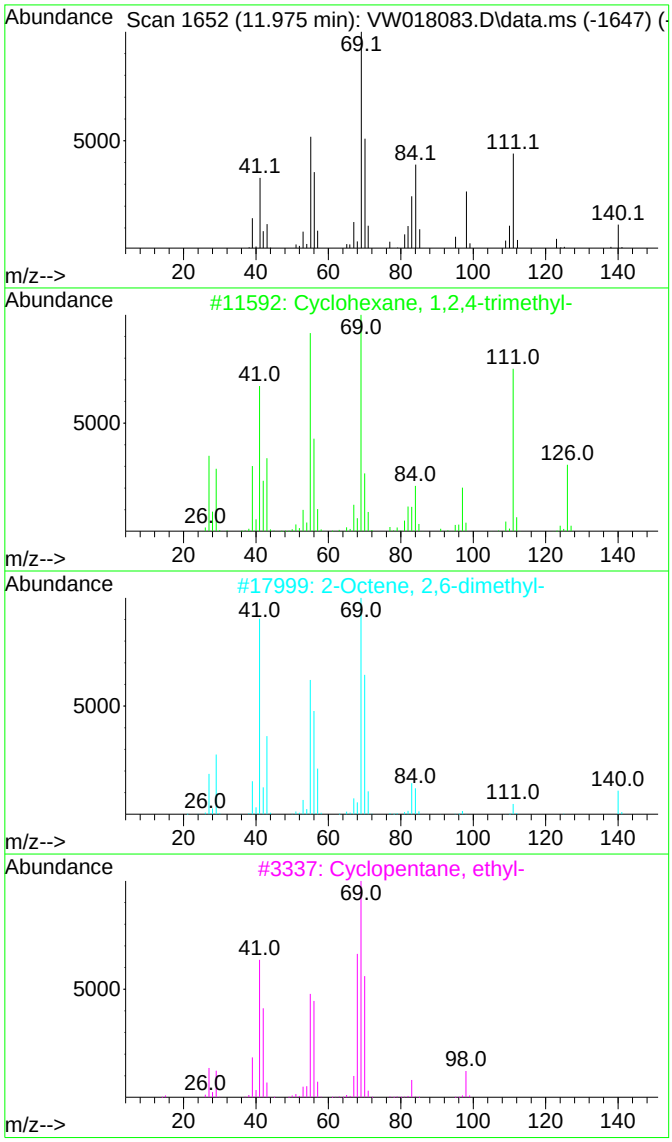
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

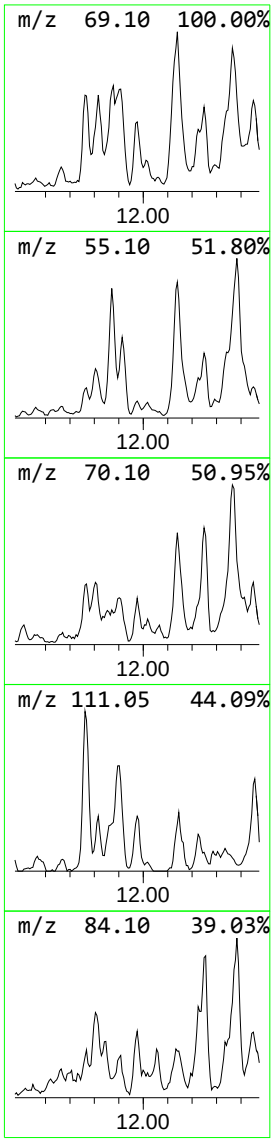
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic11.975 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	1.31 ug/L	42220	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	43
5	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

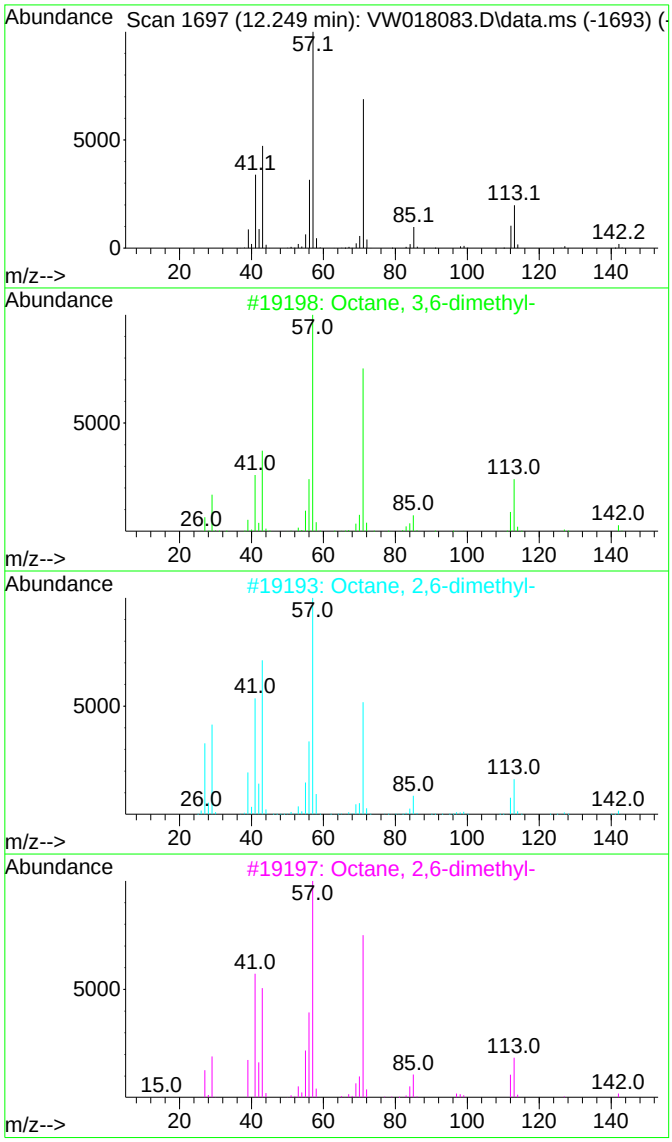
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

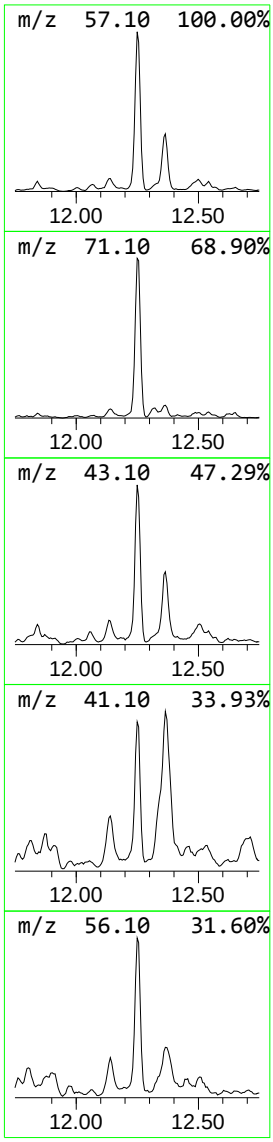
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	15.67 ug/L	503566	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

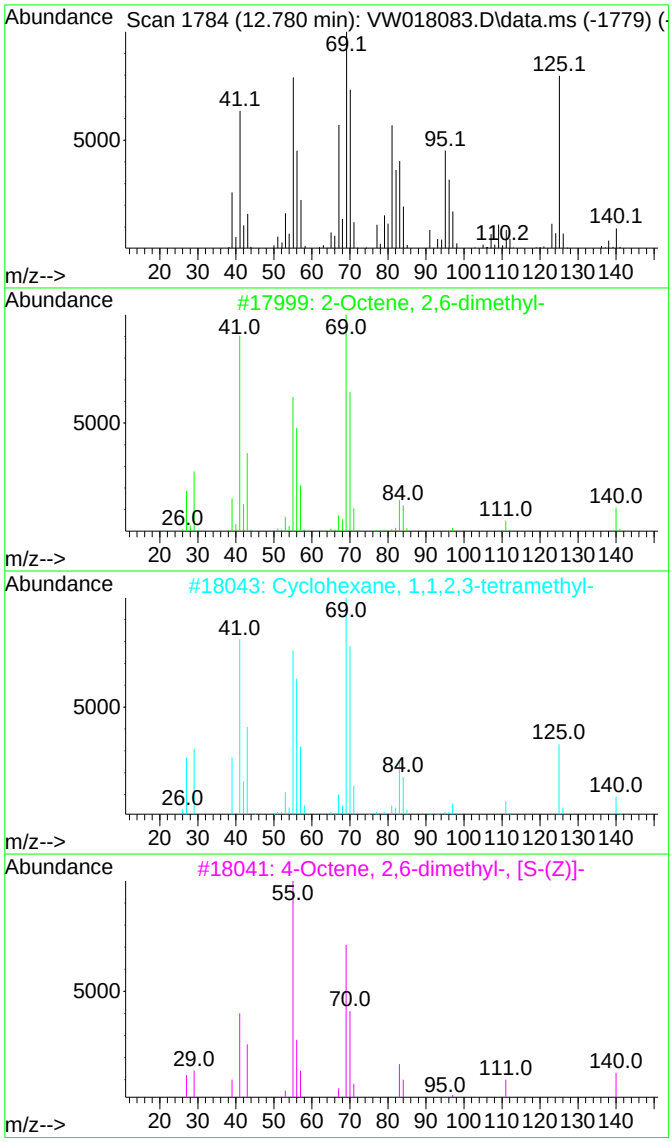
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

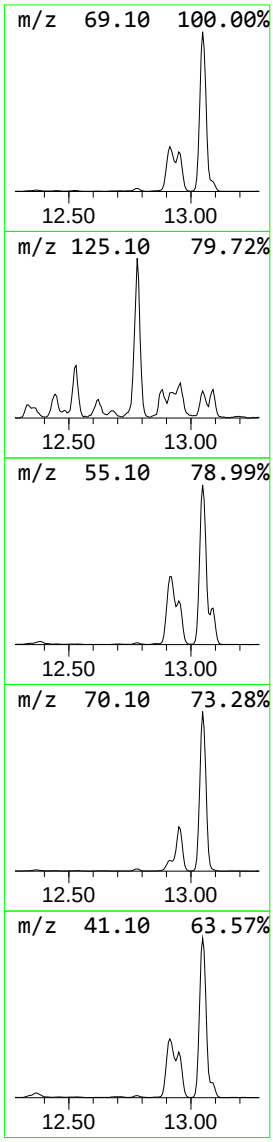
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	17.50 ug/L	399452	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
3	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
5	trans-3-Decene	140	C10H20	019150-21-1	38





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Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

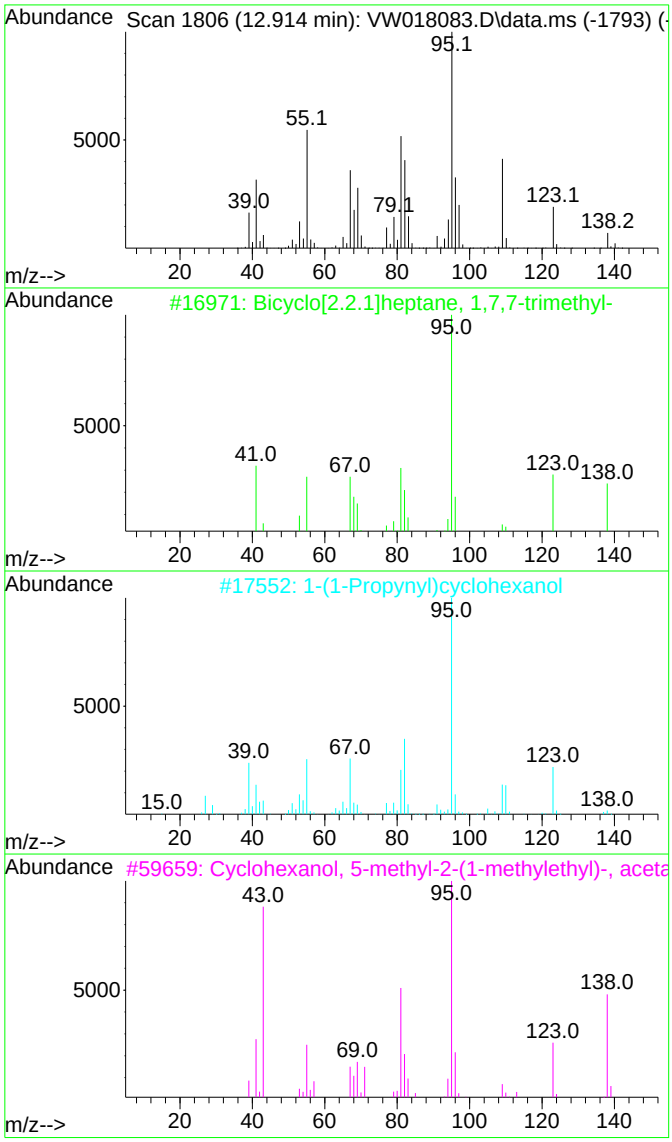
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

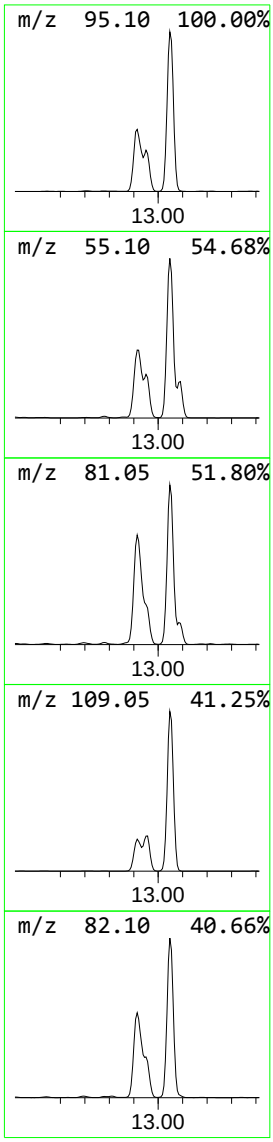
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Bicyclo[2.2.1]heptane, 1,7,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.914	799.07 ug/L	18238700	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	58
2	1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	53
3	Cyclohexanol, 5-methyl-2-(1-meth...	198	C12H22O2	002230-87-7	50
4	Cyclohexanol, 5-methyl-2-(1-meth...	198	C12H22O2	020777-36-0	50
5	Cyclohexanol, 5-methyl-2-(1-meth...	198	C12H22O2	002230-87-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

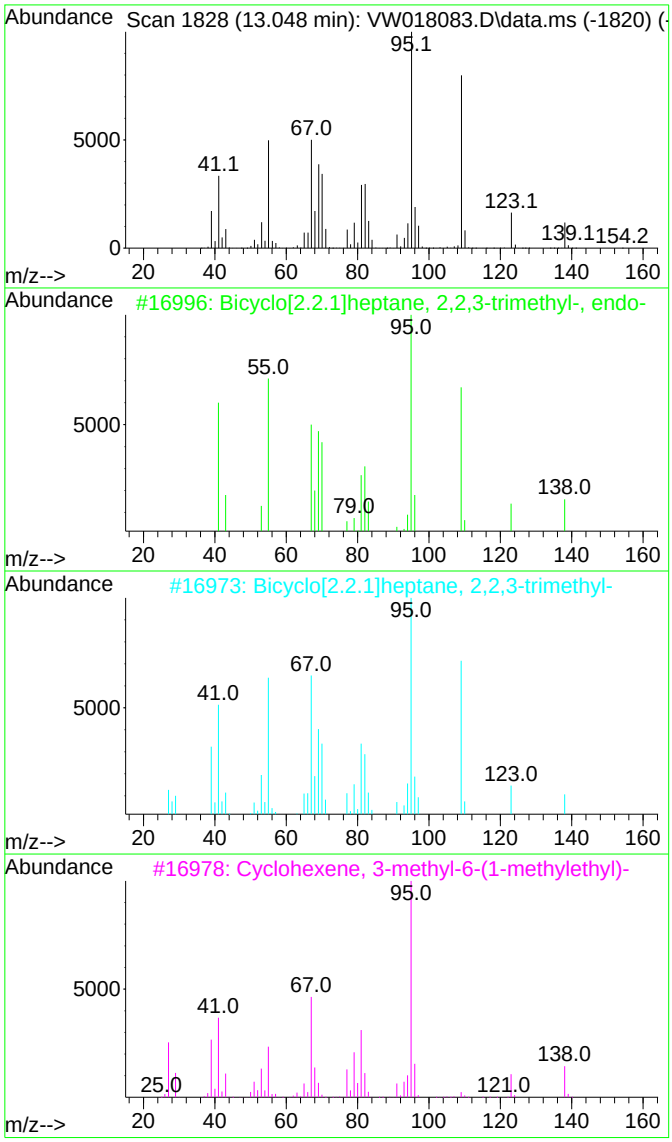
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

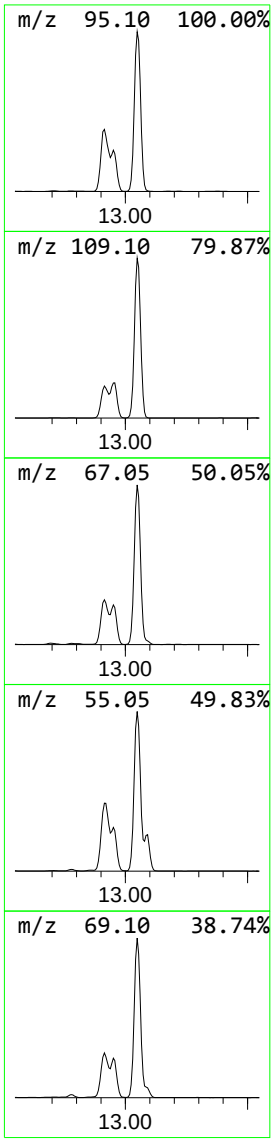
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	1798.70 ug/L	41055300	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	95
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	95
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	53
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	53
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

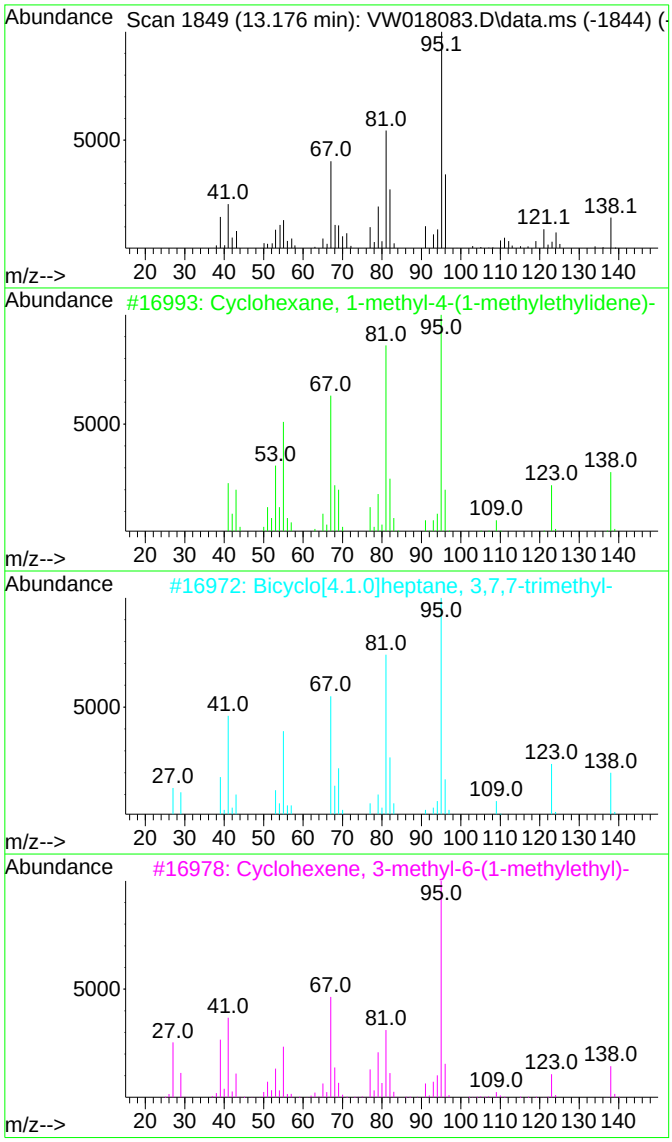
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

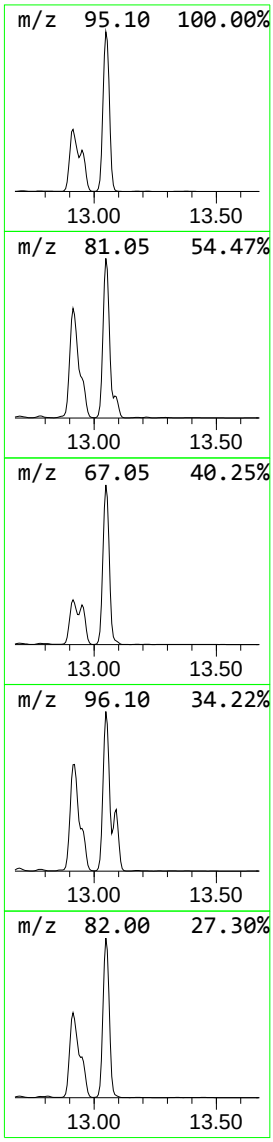
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.176	2.34 ug/L	53346	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	83
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	76
3	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	64
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	50
5	Cyclohexene,4-butyl-	138	C10H18	021524-26-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

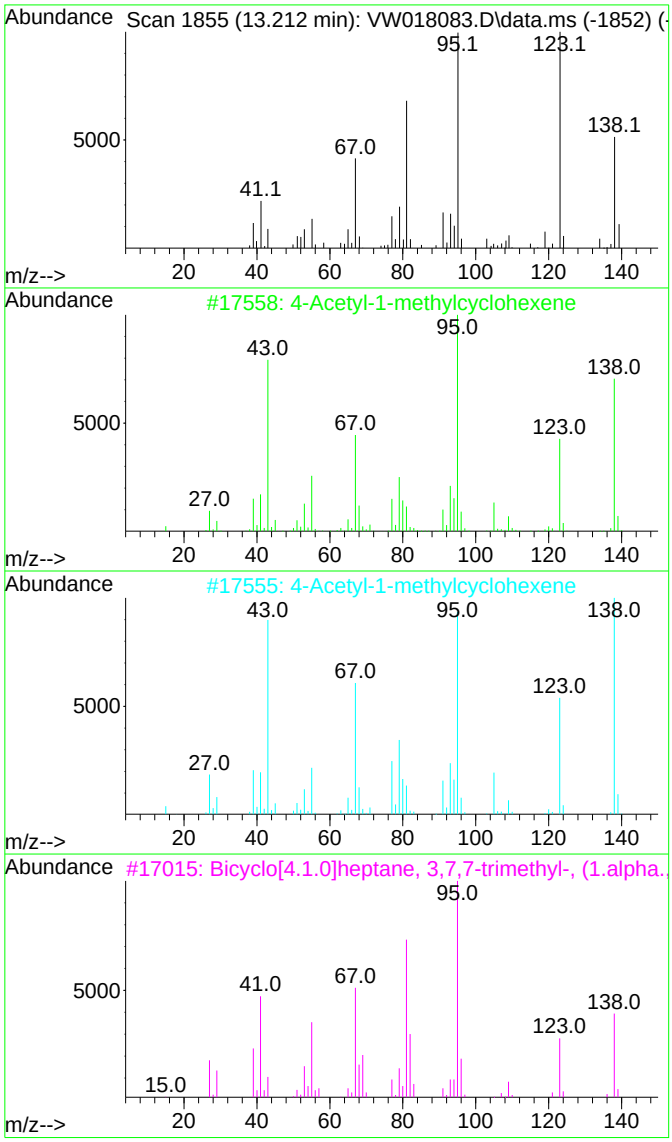
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

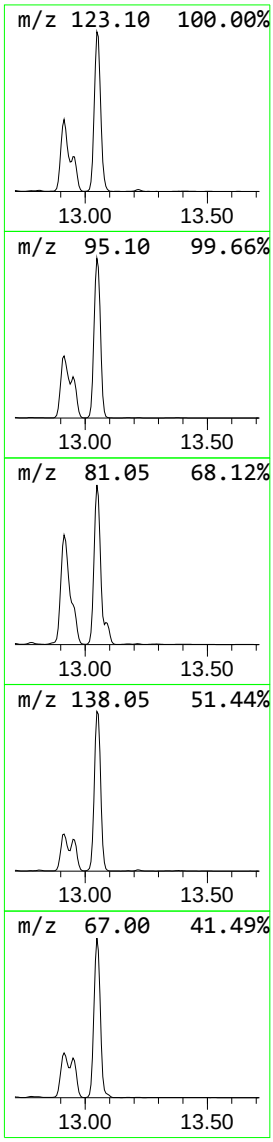
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 4-Acetyl-1-methylcyclohexene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.212	2.47 ug/L	56289	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Acetyl-1-methylcyclohexene	138	C9H14O	006090-09-1	62
2	4-Acetyl-1-methylcyclohexene	138	C9H14O	006090-09-1	60
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	58
4	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	58
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

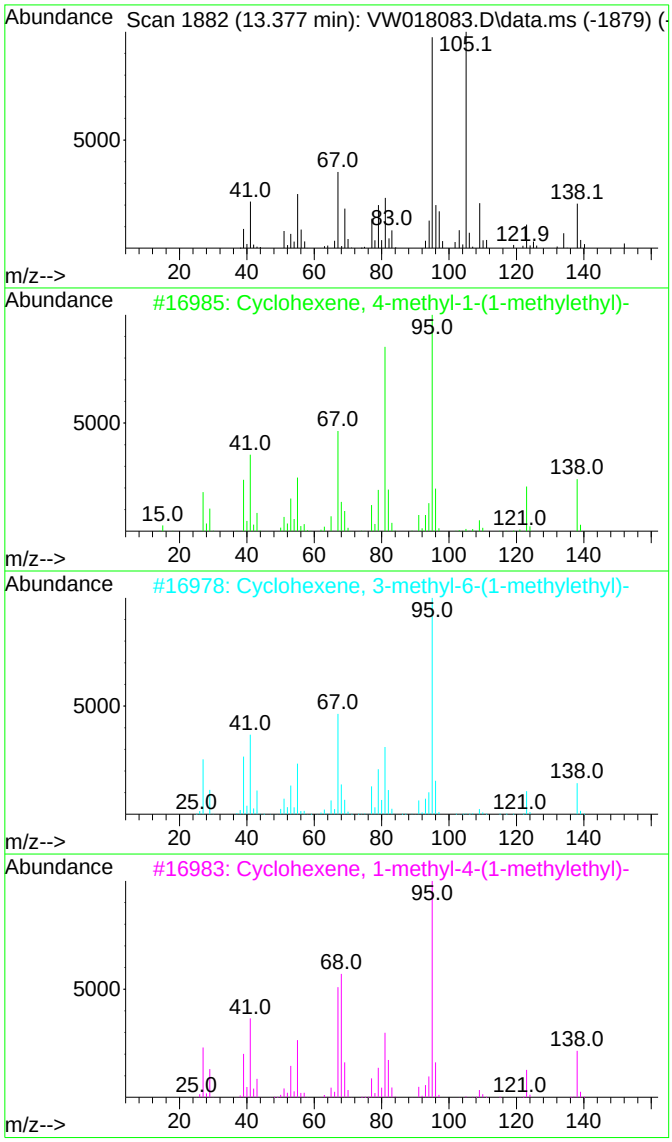
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

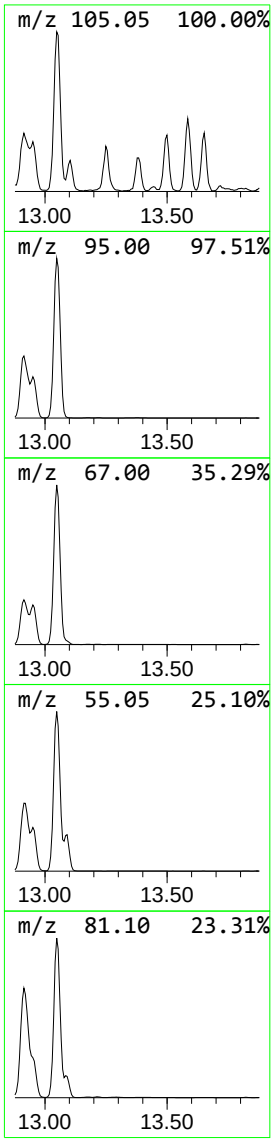
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	2.20 ug/L	50252	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	68
2	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	58
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	58
4	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	53
5	2-Butanone, 4-cyclopentylidene-	138	C9H14O	051004-21-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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

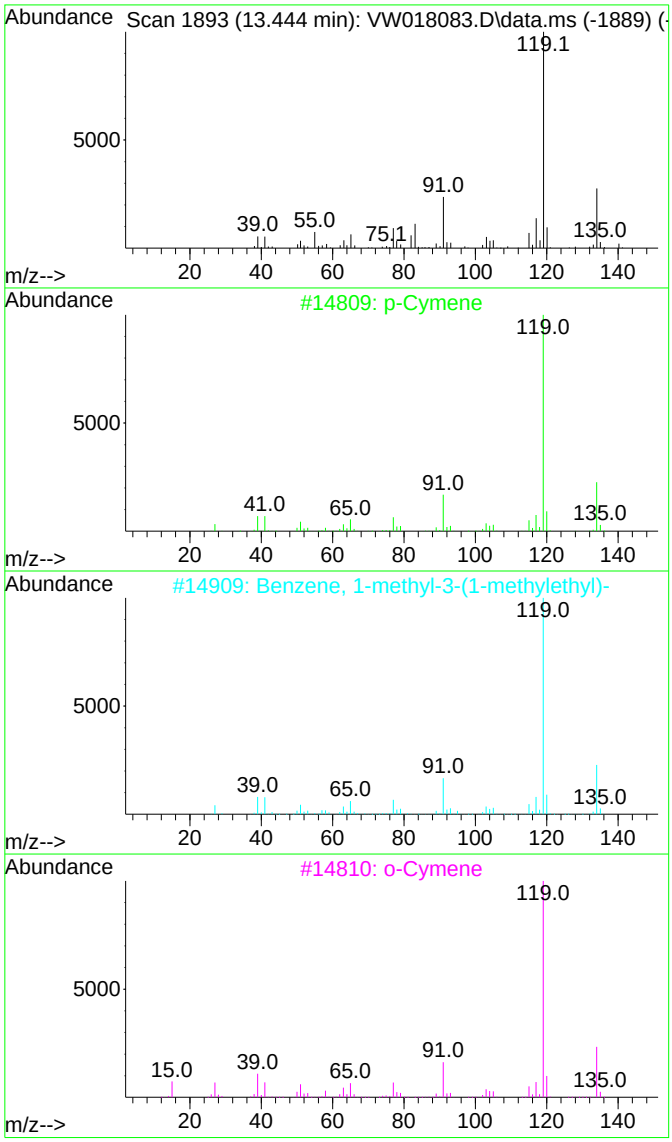
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

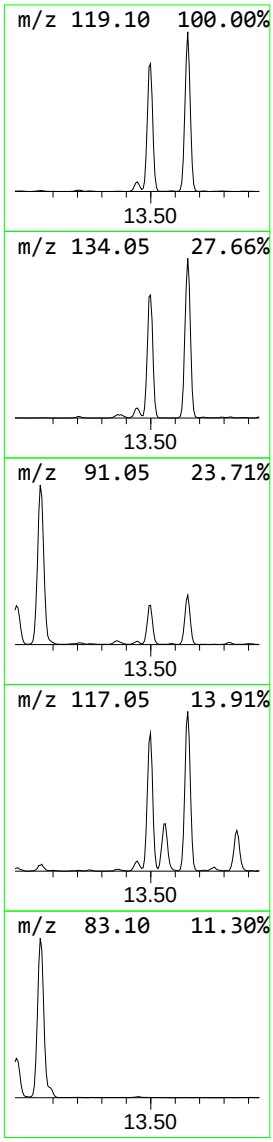
****

Peak Number 21 p-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	3.17 ug/L	72427	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	p-Cymene	134	C10H14	000099-87-6	93





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Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

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

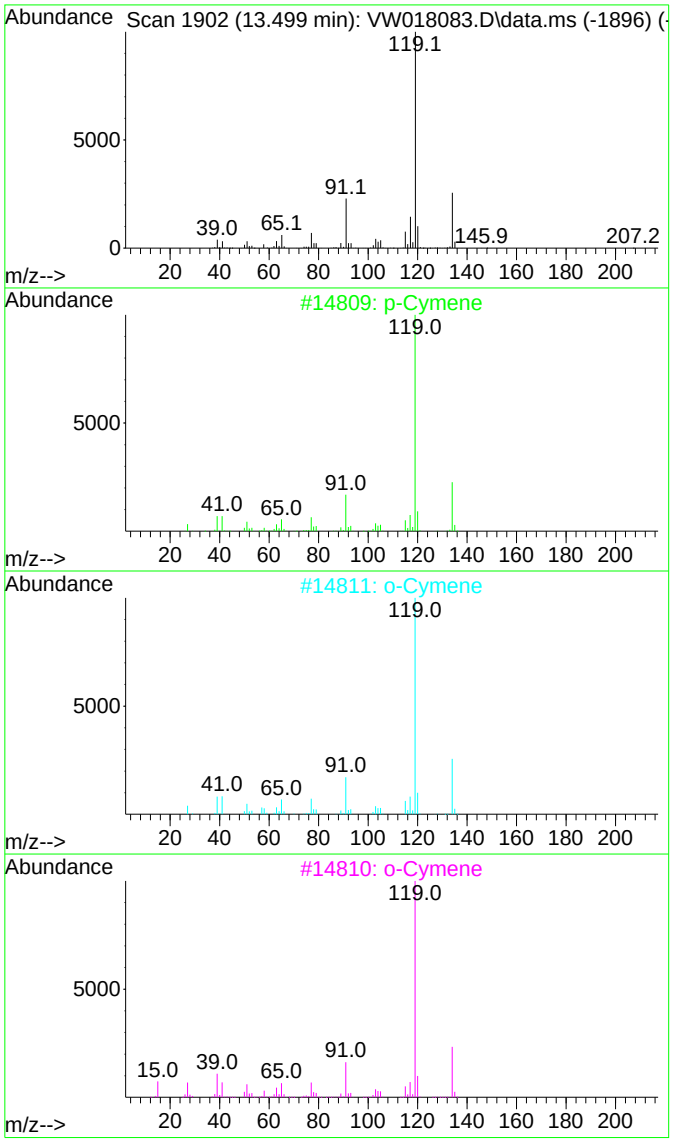
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

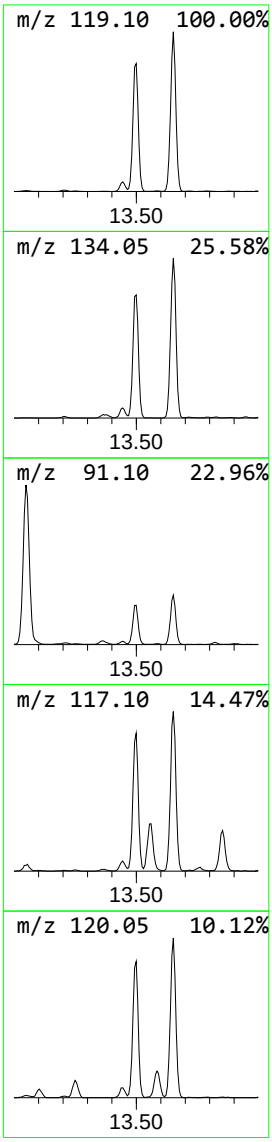
****

Peak Number 22 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.499	38.93 ug/L	888585	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

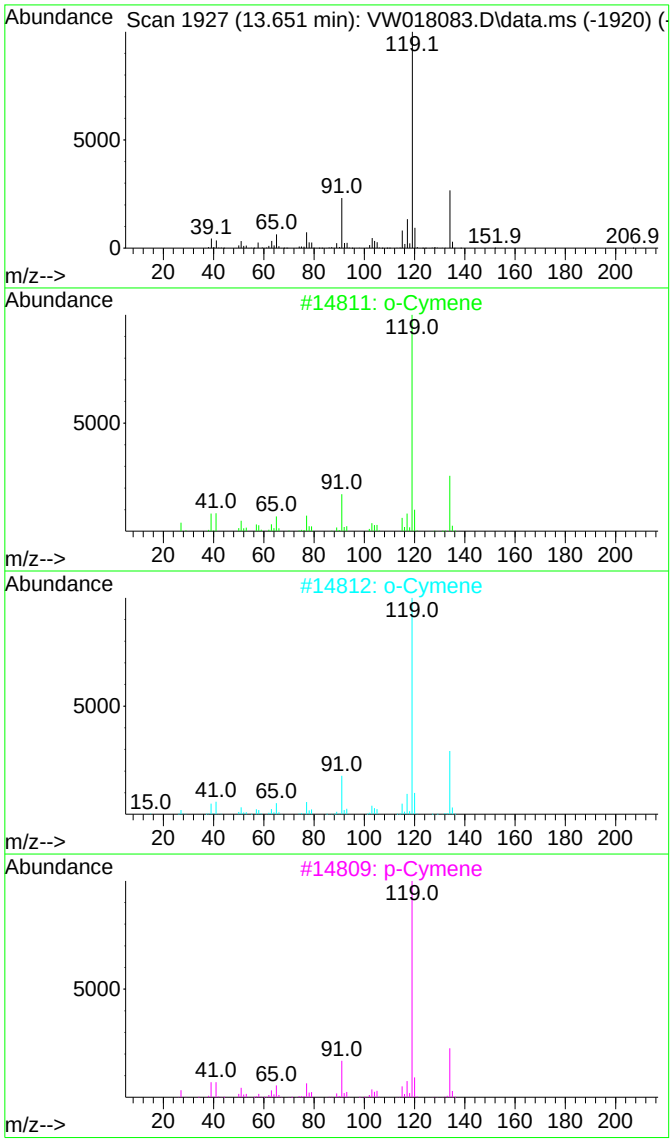
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

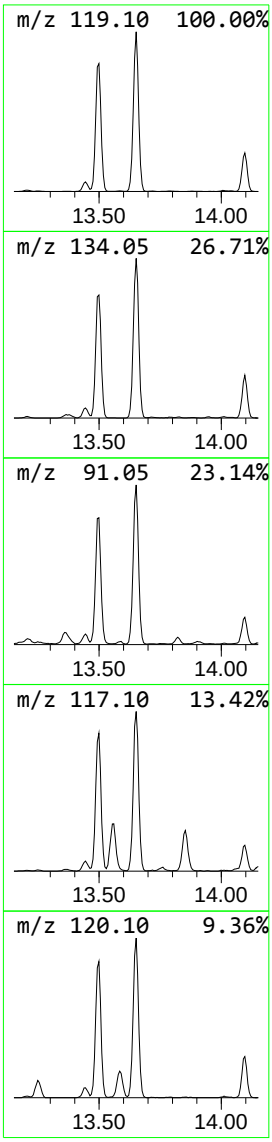
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	48.33 ug/L	1103200	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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

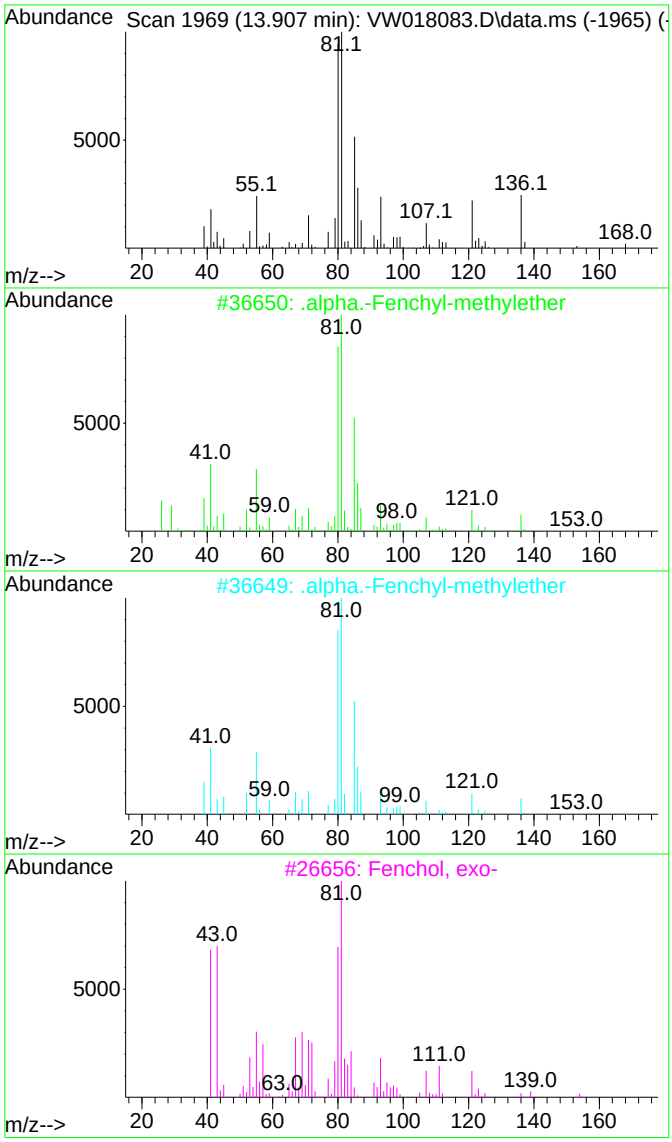
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

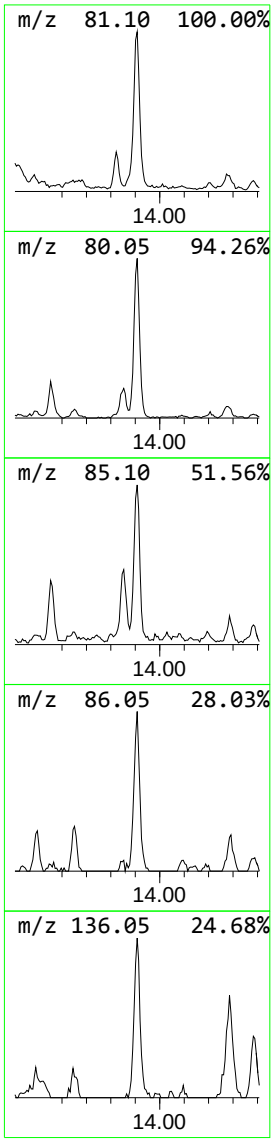
****

Peak Number 24 .alpha.-Fenchyl-methylether Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.907	4.65 ug/L	106129	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Fenchyl-methylether	168	C11H20O	001127-24-8	94
2	.alpha.-Fenchyl-methylether	168	C11H20O	001127-24-8	94
3	Fenchol, exo-	154	C10H18O	022627-95-8	45
4	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	002217-02-9	45
5	1-Methylbicyclo[2.2.1]hept-5-ene...	264	C15H20O4	1000210-18-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

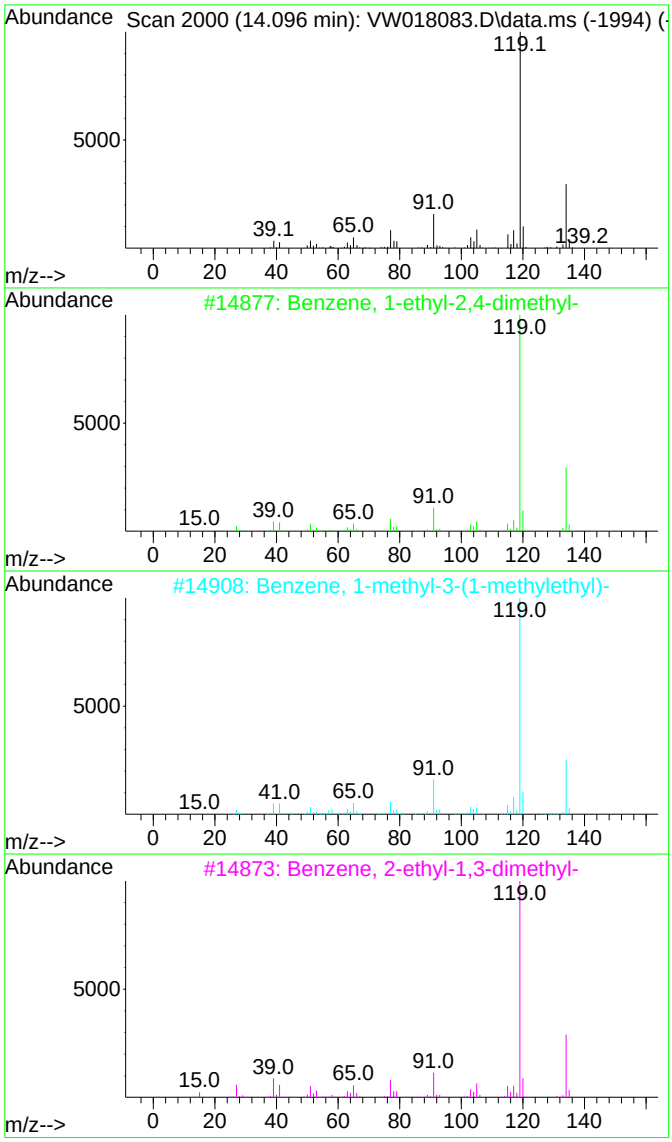
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

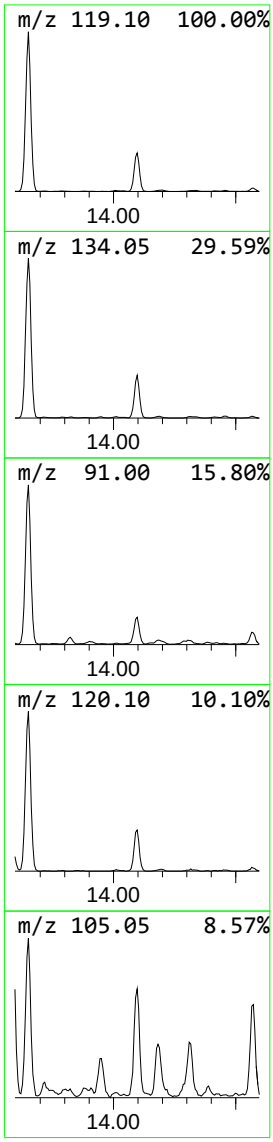
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.096	11.49 ug/L	262148	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

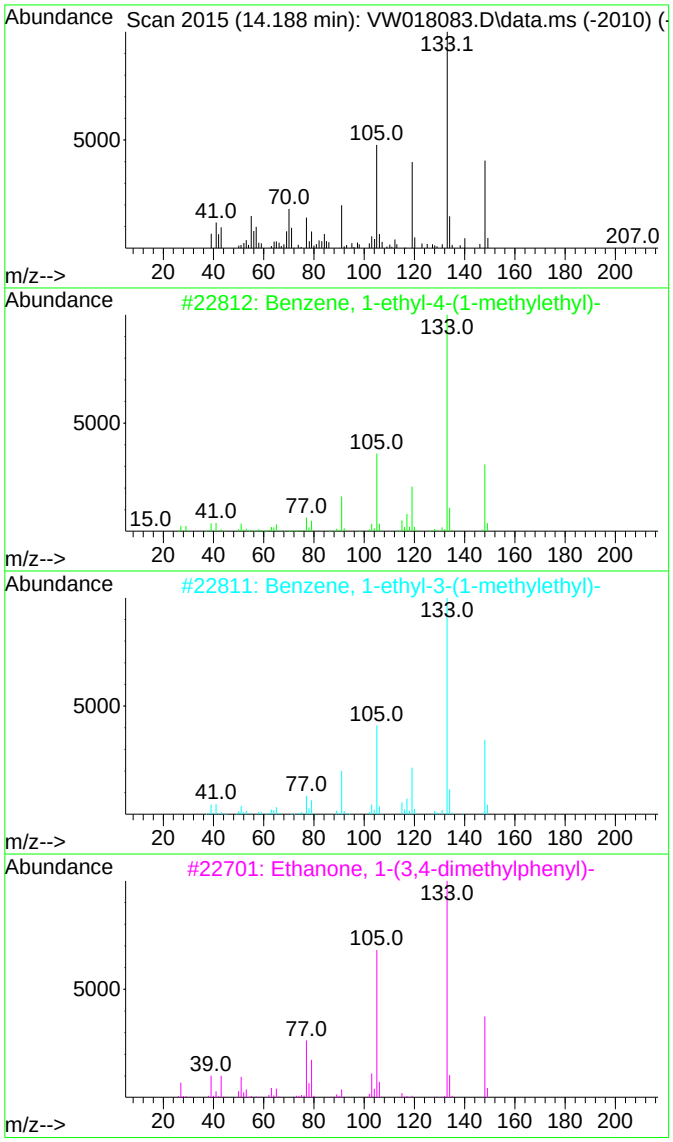
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

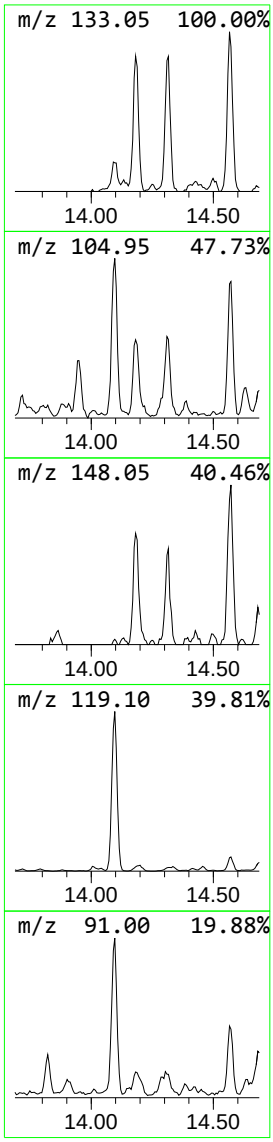
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	2.68 ug/L	61144	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	80
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	70
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

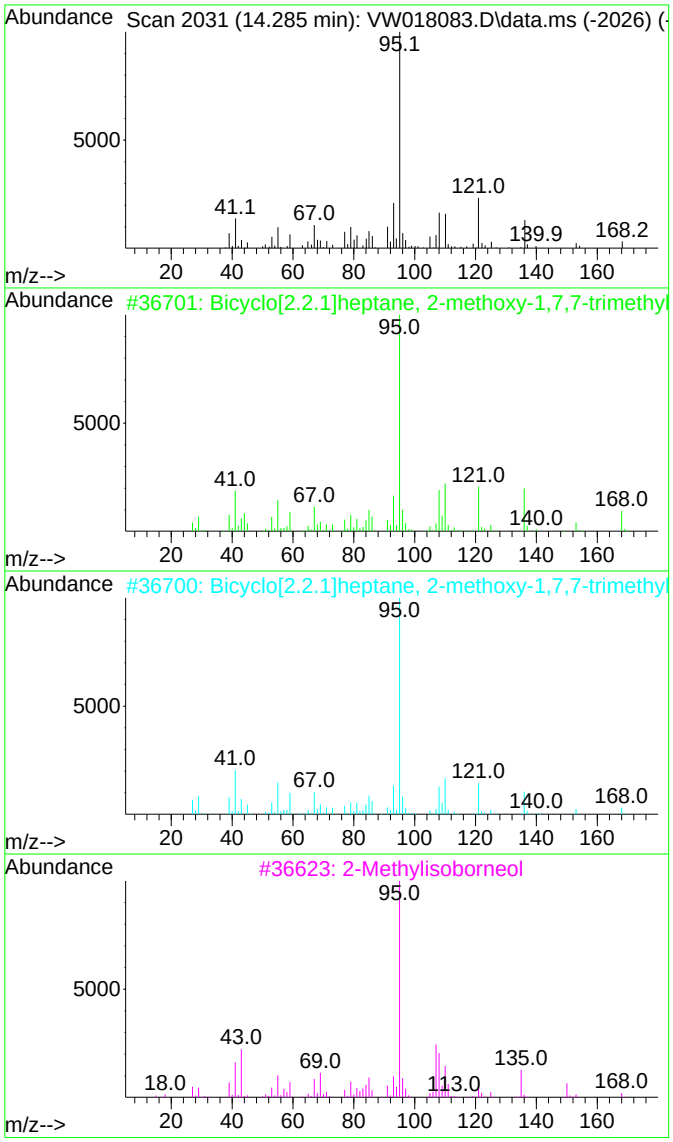
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

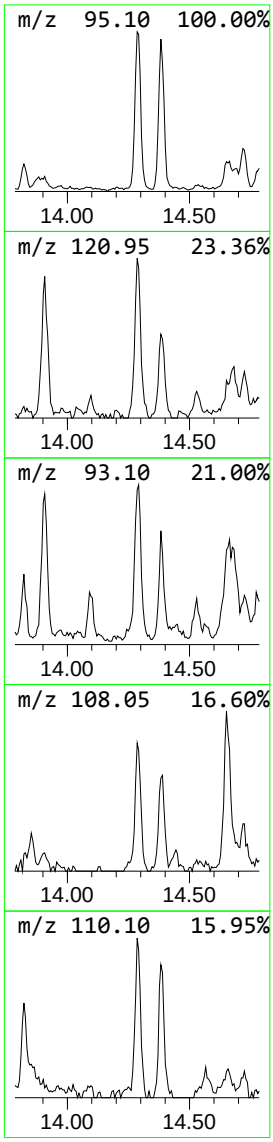
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Bicyclo[2.2.1]heptane, 2-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.285	5.03 ug/L	114808	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-methoxy...	168	C11H20O	004443-51-0	90
2	Bicyclo[2.2.1]heptane, 2-methoxy...	168	C11H20O	004443-51-0	87
3	2-Methylisoborneol	168	C11H20O	002371-42-8	72
4	endo-Borneol	154	C10H18O	000507-70-0	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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

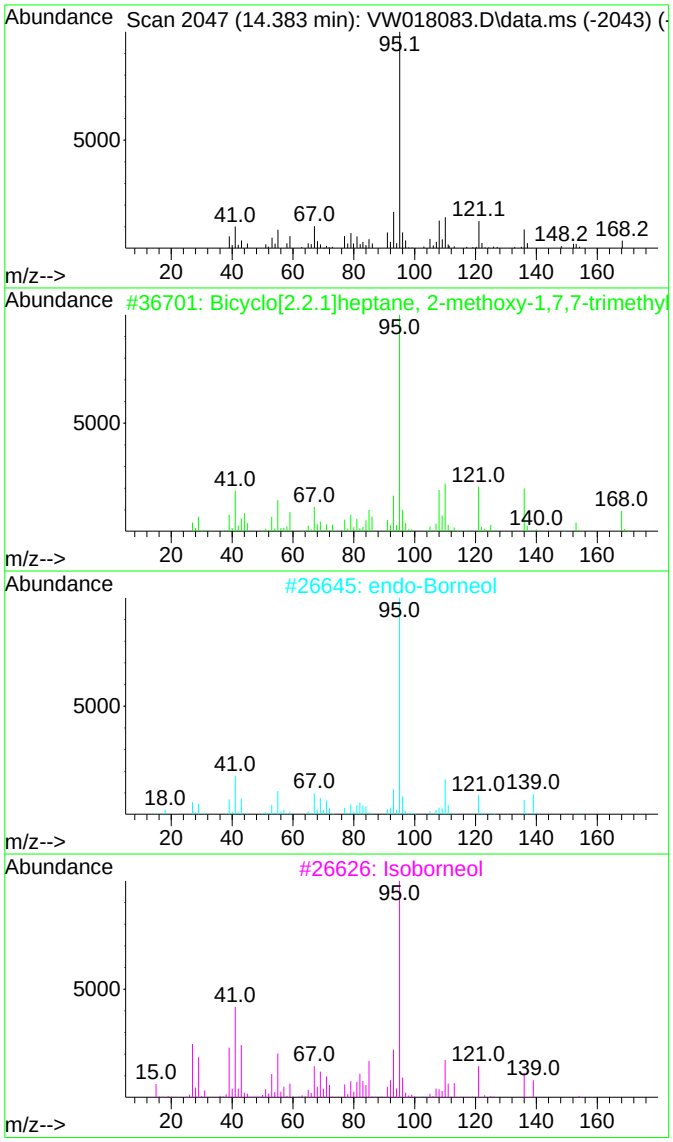
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

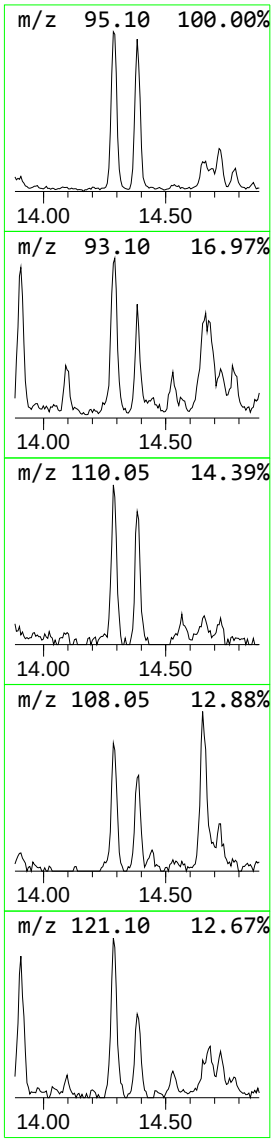
****

Peak Number 28 endo-Borneol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	2.25 ug/L	51448	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-methoxy...	168	C11H20O	004443-51-0	91
2	endo-Borneol	154	C10H18O	000507-70-0	90
3	Isoborneol	154	C10H18O	000124-76-5	80
4	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	80
5	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

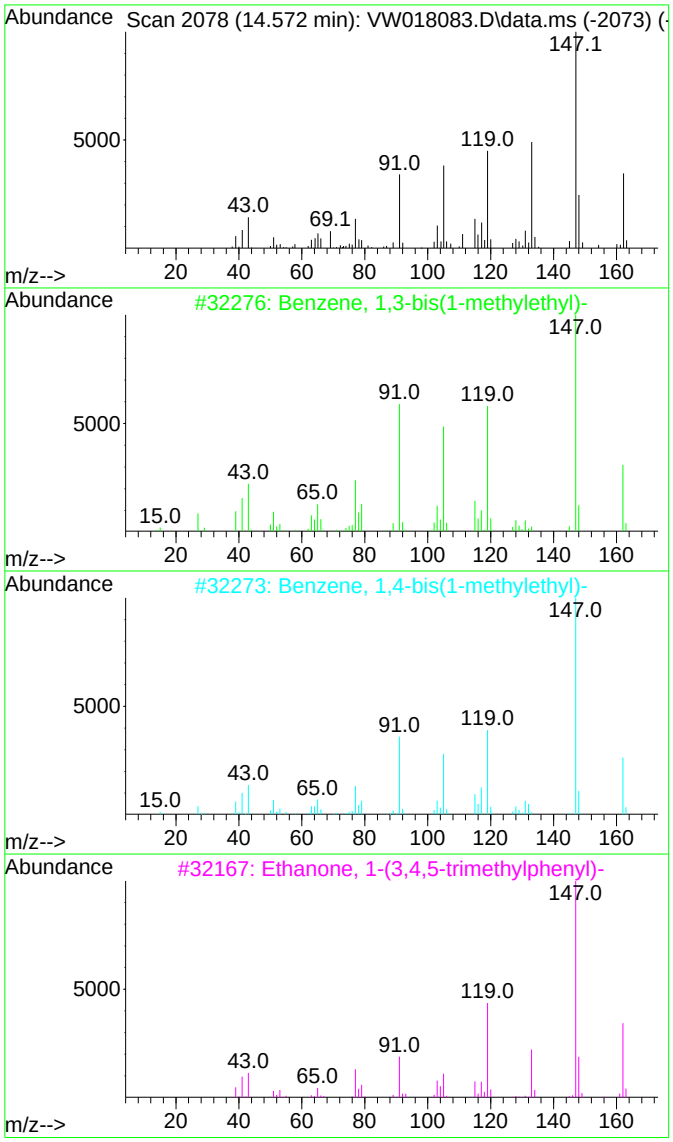
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

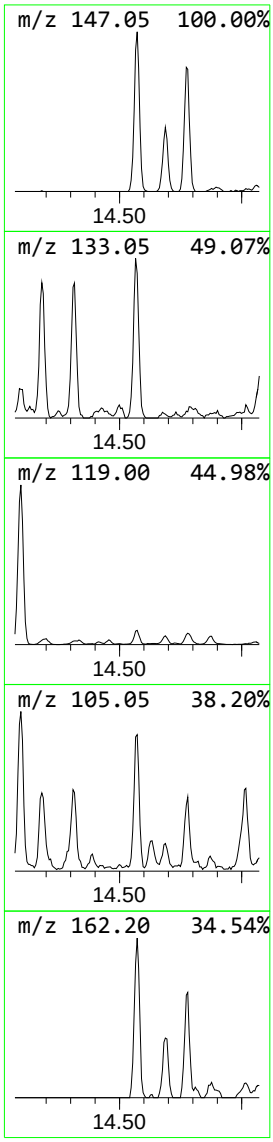
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1,3-bis(1-methylet... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.572	5.00 ug/L	114142	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	94
2	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	89
3	Ethanone, 1-(3,4,5-trimethylphen...	162	C11H14O	002047-21-4	83
4	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	70
5	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

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

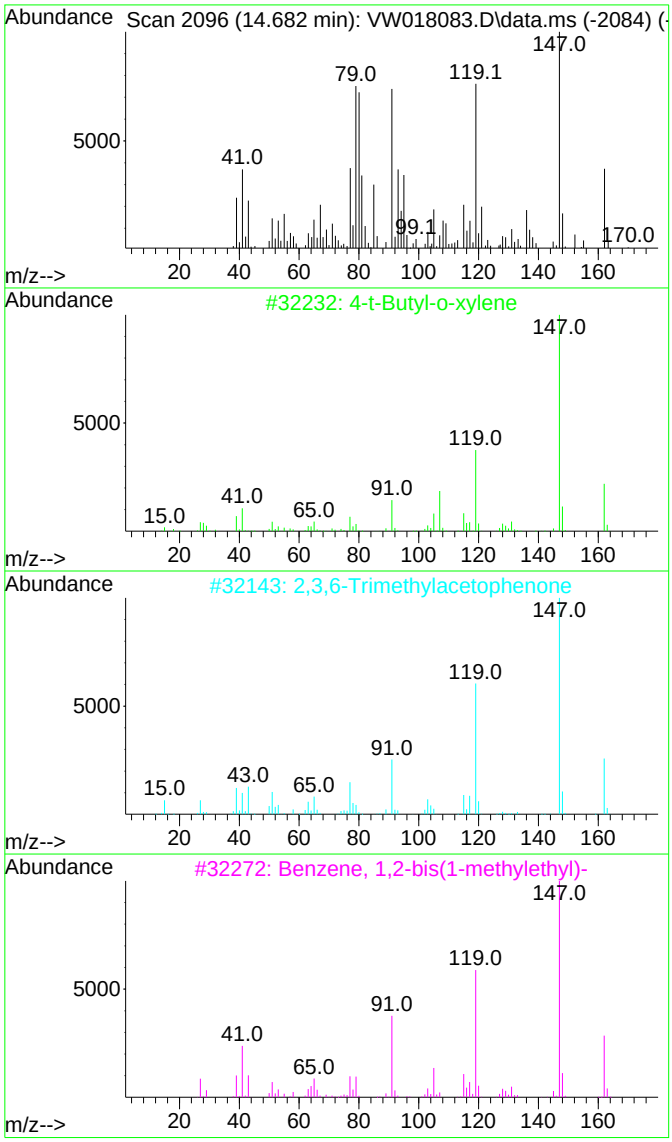
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

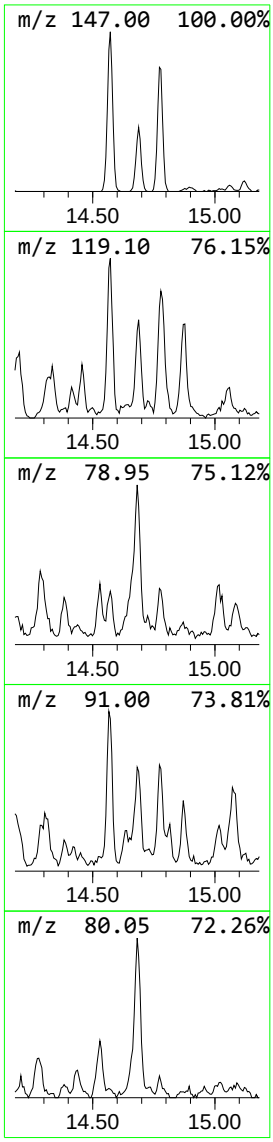
****

Peak Number 30 4-t-Butyl-o-xylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	6.77 ug/L	154451	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-t-Butyl-o-xylene	162	C12H18	007397-06-0	64
2	2,3,6-Trimethylacetophenone	162	C11H14O	1000342-30-1	50
3	Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	50
4	Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	50
5	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

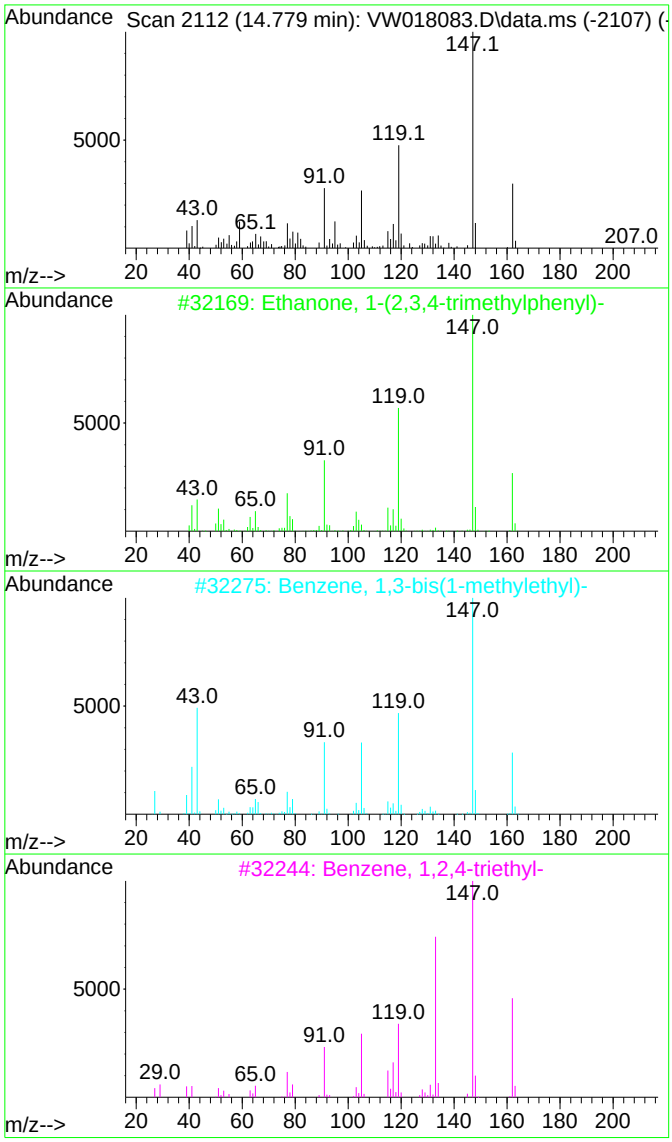
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

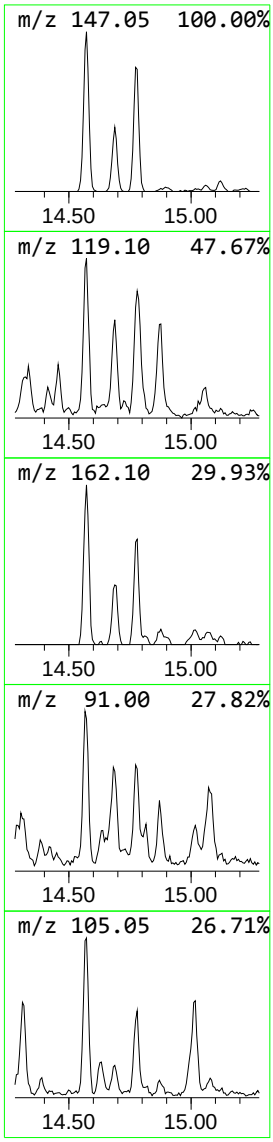
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Ethanone, 1-(2,3,4-trimethy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.779	4.36 ug/L	99448	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3,4-trimethylphen...	162	C11H14O	001467-36-3	93
2	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	91
3	Benzene, 1,2,4-triethyl-	162	C12H18	000877-44-1	90
4	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	014411-56-4	89
5	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

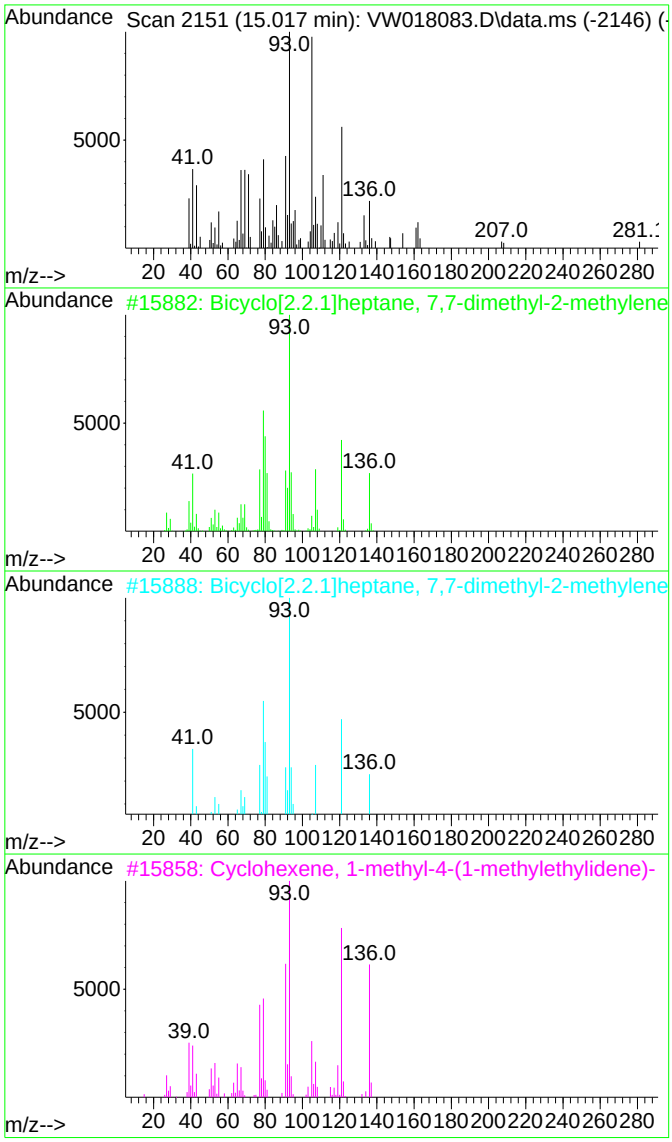
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

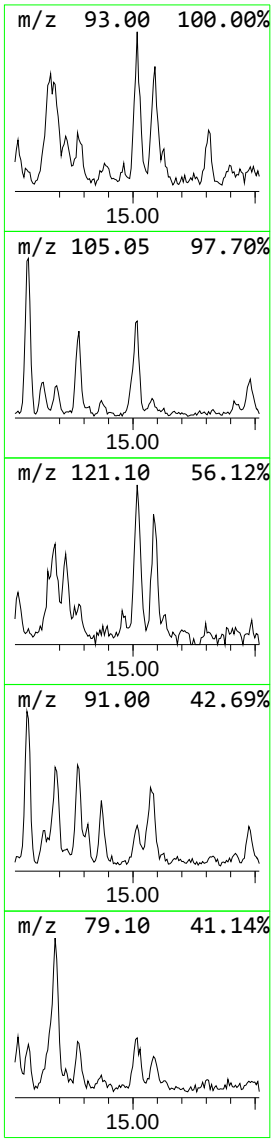
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.017	1.83 ug/L	41671	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	64
2	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	64
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	60
4	2-Carene	136	C10H16	000554-61-0	60
5	Cyclopentene, 4-ethenyl-1,5,5-tr...	136	C10H16	001727-69-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

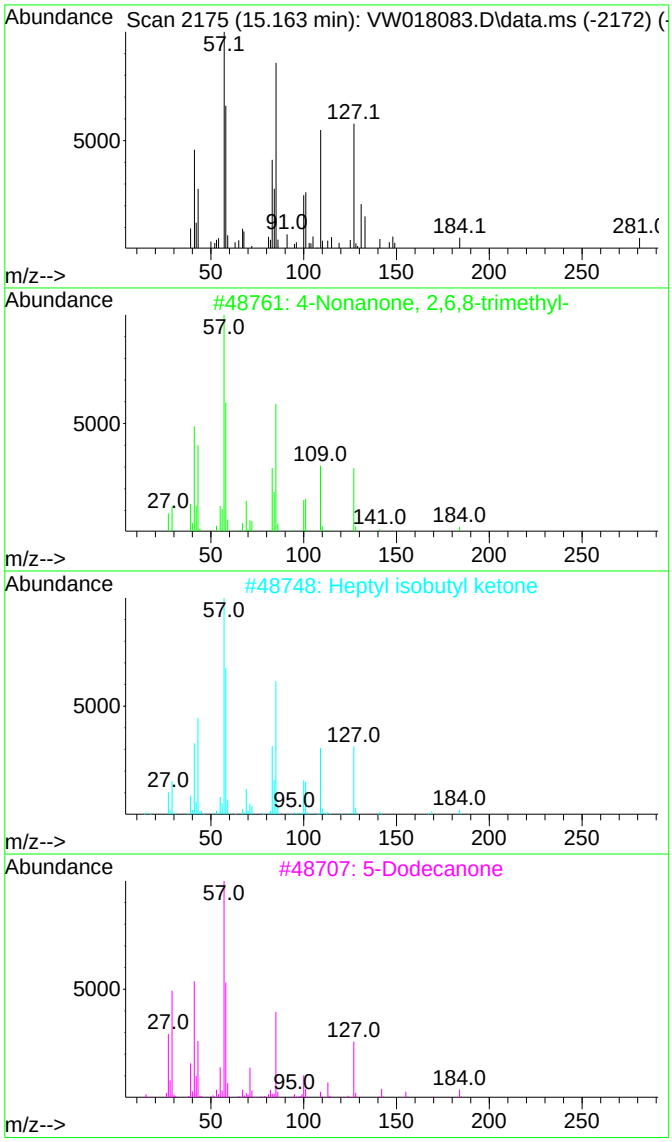
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

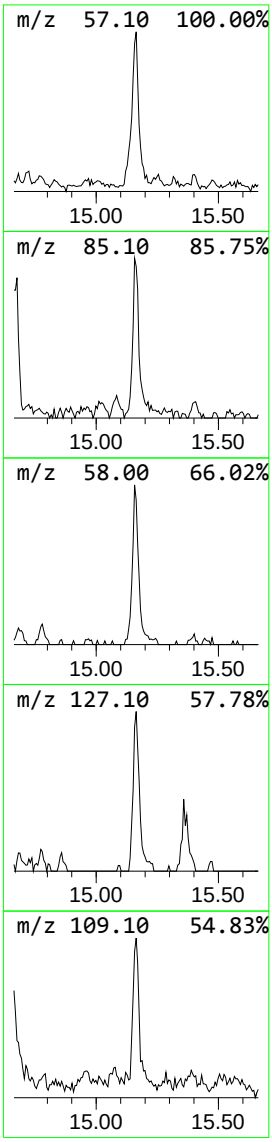
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 4-Nonanone, 2,6,8-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	1.88 ug/L	42853	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonanone, 2,6,8-trimethyl-	184	C12H24O	000123-18-2	93
2	Heptyl isobutyl ketone	184	C12H24O	019594-40-2	90
3	5-Dodecanone	184	C12H24O	019780-10-0	43
4	1-Hexanol, 6-[(tetrahydro-2H-pyr...	202	C11H22O3	028659-22-5	35
5	1-Propoxypropan-2-yl pentanoate	202	C11H22O3	1000367-12-7	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

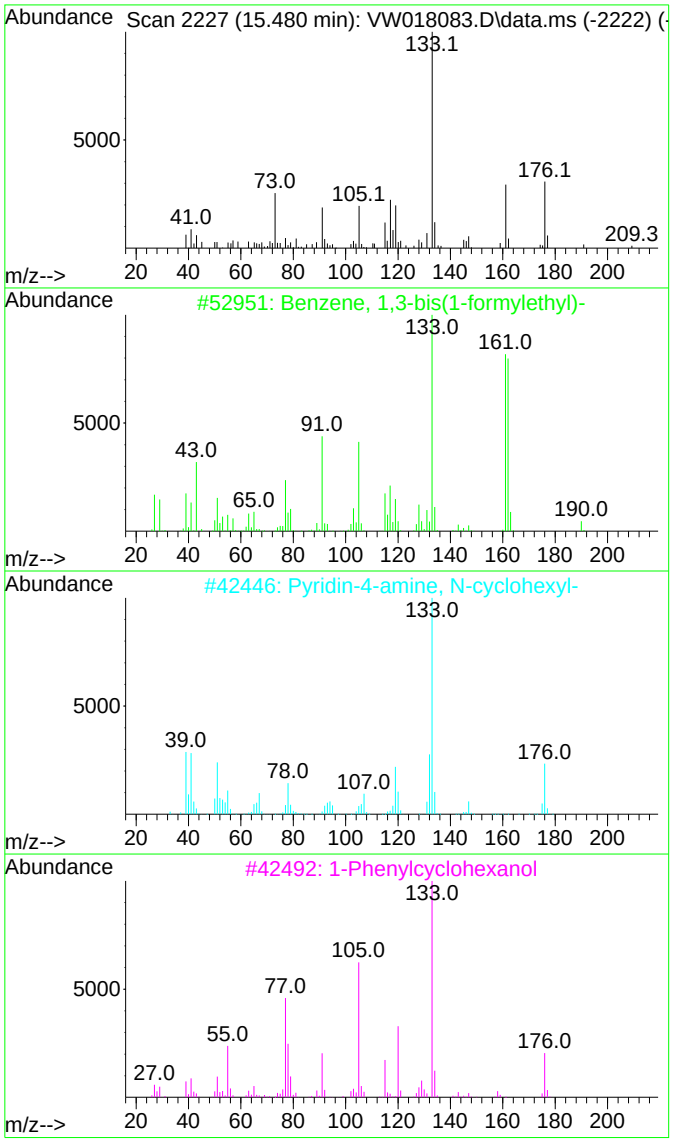
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

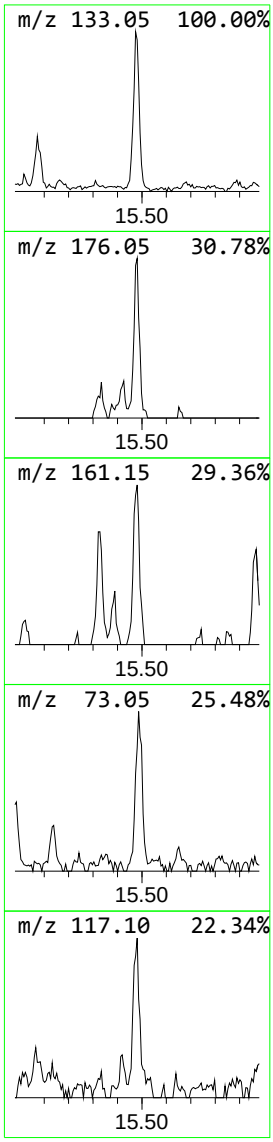
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,3-bis(1-formylet... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.480	1.75 ug/L	39865	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1-formylethyl)-	190	C12H14O2	1000160-34-1	50
2	Pyridin-4-amine, N-cyclohexyl-	176	C11H16N2	034844-87-6	47
3	1-Phenylcyclohexanol	176	C12H16O	001589-60-2	47
4	1-Phenylcyclohexanol	176	C12H16O	001589-60-2	47
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY1

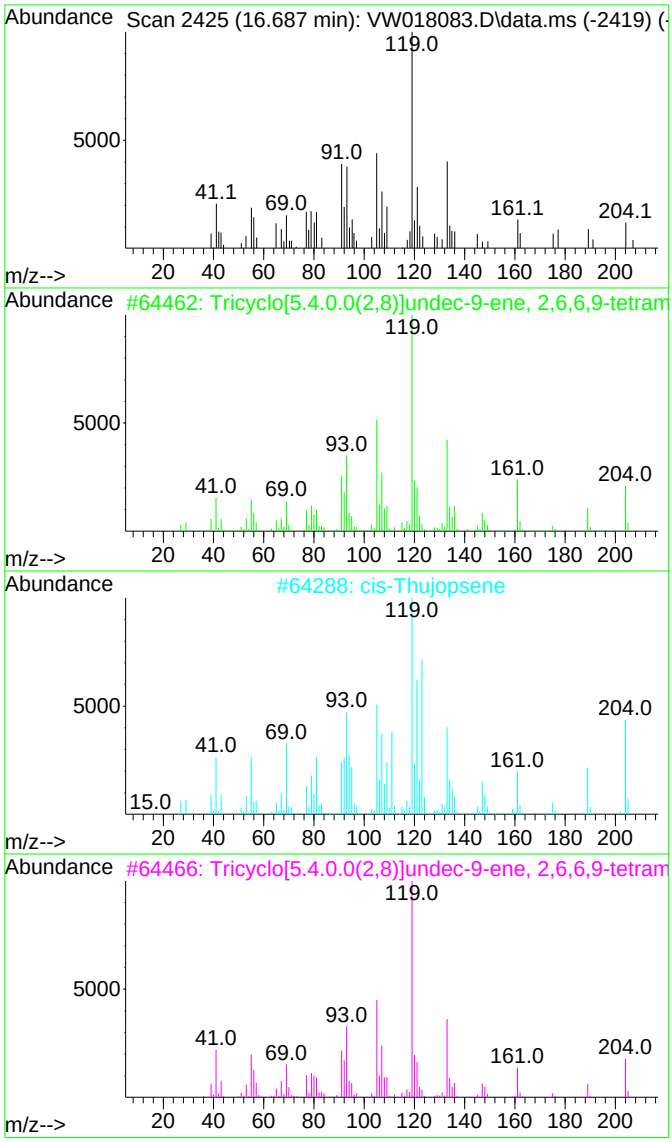
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

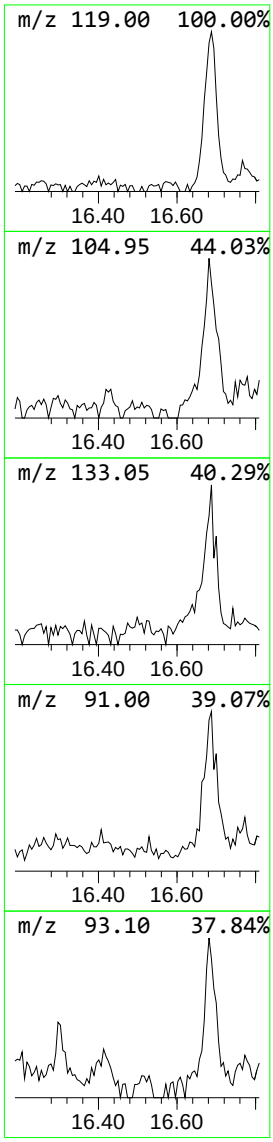
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Tricyclo[5.4.0.0(2,8)]undec... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.687	1.31 ug/L	29999	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	90
2	cis-Thujopsene	204	C15H24	000470-40-6	86
3	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	80
4	Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	78
5	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021121\
Data File : VW018083.D
Acq On : 11 Feb 2021 14:25
Operator : SY/VA
Sample : M1370-05
Misc : 5.48G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DBGY1

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
(DEL) Alkane: S...	8.482	7.2	ug/L	230570	1	8.841	806558	25.0
(DEL) Alkane: S...	9.756	2.3	ug/L	72743	1	8.841	806558	25.0
(DEL) Alkane: S...	9.896	2.1	ug/L	68121	1	8.841	806558	25.0
(DEL) Alkane: C...	10.506	1.4	ug/L	44010	2	11.634	803261	25.0
(DEL) Alkane: C...	10.664	1.9	ug/L	61296	2	11.634	803261	25.0
(DEL) Alkane: C...	11.176	3.4	ug/L	108044	2	11.634	803261	25.0
(DEL) Alkane: C...	11.231	6.2	ug/L	198355	2	11.634	803261	25.0
unknown-01	11.335	1.9	ug/L	60552	2	11.634	803261	25.0
(DEL) Alkane: C...	11.432	3.8	ug/L	120538	2	11.634	803261	25.0
(DEL) Alkane: C...	11.975	1.3	ug/L	42220	2	11.634	803261	25.0
(DEL) Alkane: S...	12.249	15.7	ug/L	503566	2	11.634	803261	25.0
(DEL) Alkane: S...	12.780	17.5	ug/L	399452	3	13.554	570624	25.0
Bicyclo[2.2.1]h...	12.914	799.1	ug/L	18238700	3	13.554	570624	25.0
Bicyclo[2.2.1]h...	13.048	1798.7	ug/L	41055300	3	13.554	570624	25.0
Cyclohexane, 1-...	13.176	2.3	ug/L	53346	3	13.554	570624	25.0
4-Acetyl-1-meth...	13.212	2.5	ug/L	56289	3	13.554	570624	25.0
Cyclohexene, 4-...	13.377	2.2	ug/L	50252	3	13.554	570624	25.0
p-Cymene	13.444	3.2	ug/L	72427	3	13.554	570624	25.0
o-Cymene	13.499	38.9	ug/L	888585	3	13.554	570624	25.0
Benzene, 1-meth...	13.651	48.3	ug/L	1103200	3	13.554	570624	25.0
.alpha.-Fenchyl...	13.907	4.7	ug/L	106129	3	13.554	570624	25.0
Benzene, 1-ethy...	14.096	11.5	ug/L	262148	3	13.554	570624	25.0
Benzene, 1-ethy...	14.188	2.7	ug/L	61144	3	13.554	570624	25.0
Bicyclo[2.2.1]h...	14.285	5.0	ug/L	114808	3	13.554	570624	25.0
endo-Borneol	14.383	2.3	ug/L	51448	3	13.554	570624	25.0
Benzene, 1,3-bi...	14.572	5.0	ug/L	114142	3	13.554	570624	25.0
4-t-Butyl-o-xylene	14.682	6.8	ug/L	154451	3	13.554	570624	25.0
Ethanone, 1-(2,...	14.779	4.4	ug/L	99448	3	13.554	570624	25.0
Bicyclo[2.2.1]h...	15.017	1.8	ug/L	41671	3	13.554	570624	25.0
4-Nonanone, 2,6...	15.163	1.9	ug/L	42853	3	13.554	570624	25.0
Benzene, 1,3-bi...	15.480	1.8	ug/L	39865	3	13.554	570624	25.0
Tricyclo[5.4.0....	16.687	1.3	ug/L	29999	3	13.554	570624	25.0