LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

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\SOM2WLM030821S.M
Title : VOC Analysis

Signal : TIC: VW018314.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	5	9	25	rVB2	46091	74062	2.02%	0.225%
2	2.361	64	75	80	rBV	82556	176462	4.81%	0.535%
3	2.416	80	84	88	rBV2	16675	24845	0.68%	0.075%
4	2.501	93	98	107	rBV	119203	274438	7.47%	0.832%
5	2.897	154	163	178	rVB	53971	133565	3.64%	0.405%
6	3.306	221	230	239	rVV	51659	114122	3.11%	0.346%
7	3.415	239	248	261	rVB6	9752	32662	0.89%	0.099%
8	3.592	267	277	291	rBV	74005	183014	4.98%	0.555%
9	3.757	291	304	313	rVV5	62142	210230	5.73%	0.637%
10	3.854	313	320	333	rVV2	29850	81625	2.22%	0.247%
11	4.019	333	347	358	rVV2	159345	506427	13.79%	1.535%
12	4.147	358	368	388	rVV3	104419	346432	9.43%	1.050%
13	4.513	408	428	439	rBV	1217033	3671855	100.00%	11.131%
14	4.623	440	446	460	rVV2	26715	98706	2.69%	0.299%
15	4.787	460	473	487	rVV	656235	2110113	57.47%	6.396%
16	4.921	487	495	504	rVV2	22410	78742	2.14%	0.239%
17	5.366	559	568	589	rBV	12021	42865	1.17%	0.130%
18	5.787	624	637	651	rBV2	31936	103889	2.83%	0.315%
19	6.604	764	771	784	rVB3	30341	89445	2.44%	0.271%
20	6.896	807	819	830	rBV	158192	451034	12.28%	1.367%
21	7.085	842	850	856	rBV	16305	48928	1.33%	0.148%
22	7.171	856	864	874	rVB	34872	91659	2.50%	0.278%
23	7.268	874	880	894	rVB2	10774	31396	0.86%	0.095%
24	7.549	918	926	934	rVB	34878	82218	2.24%	0.249%
25	7.646	934	942	948	rBV	196086	501216	13.65%	1.519%
26	8.274	1030	1045	1047	rBV	367581	734558	20.01%	2.227%
27	8.323	1047	1053	1065	rVV	1053456	2514912	68.49%	7.624%
28	8.457	1065	1075	1083	rVB	49888	113913	3.10%	0.345%
29	8.561	1083	1092	1107	rVB	224802	520343	14.17%	1.577%
30	8.713	1107	1117	1124	rBV2	47613	110043	3.00%	0.334%
31	8.841	1124	1138	1149	rVV	394237	795074	21.65%	2.410%
32	9.146	1182	1188	1195	rVB2	12540	26315	0.72%	0.080%
33	9.274	1199	1209	1220	rBV2	246018	507591	13.82%	1.539%
34	9.408	1224	1231	1242	rVB3	45868	112957	3.08%	0.342%
35	10.036	1326	1334	1347	rBV	127346	230310	6.27%	0.698%
36	10.207	1353	1362	1367	rBV2	28647	54642	1.49%	0.166%
37	10.323	1373	1381	1386	rBV	549267	980244	26.70%	2.971%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

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\SOM2WLM030821S.M
Title : VOC Analysis

38	10.390	1386	1392	1402	rVV	720427	1304142	35.52%	3.953%
39	10.493	1402	1409	1416	rVV	298354	532960	14.51%	1.616%
40	10.579	1416	1423	1428	rVV	80454	142079	3.87%	0.431%
41	10.646	1428	1434	1439	rVV	62122	113049	3.08%	0.343%
42	10.701	1439	1443	1449	rVV2	13448	25254	0.69%	0.077%
43	10.859	1462	1469	1474	rVV2	23682	44070	1.20%	0.134%
44	10.926	1474	1480	1485	rVV	71546	130425	3.55%	0.395%
45	11.097	1499	1508	1516	rVV2	52614	134699	3.67%	0.408%
46	11.182	1516	1522	1531	rVV	230577	423019	11.52%	1.282%
47	11.304	1531	1542	1549	rVV9	11133	37368	1.02%	0.113%
48	11.633	1587	1596	1606	rBV	521318	908632	24.75%	2.754%
49	11.731	1606	1612	1617	rVV	207993	353756	9.63%	1.072%
50	11.792	1617	1622	1625	rVV3	214064	375203	10.22%	1.137%
51	11.835	1625	1629	1637	rVV	313107	588890	16.04%	1.785%
52	11.969	1639	1651	1658	rVB4	19909	47626	1.30%	0.144%
53	12.115	1669	1675	1678	rBV	21856	35736	0.97%	0.108%
54	12.170	1678	1684	1690	rVV3	261084	500787	13.64%	1.518%
55	12.237	1690	1695	1704	rVB	203811	329626	8.98%	0.999%
56	12.377	1704	1718	1727	rBV2	299557	881684	24.01%	2.673%
57	12.456	1727	1731	1736	rVB2	68895	104465	2.85%	0.317%
58	12.517	1736	1741	1746	rBV	83043	126029	3.43%	0.382%
59	12.609	1751	1756	1762	rVV4	36080	61550	1.68%	0.187%
60	12.694	1764	1770	1776	rVB	151871	257725	7.02%	0.781%
61	12.804	1782	1788	1793	rBV	69970	106449	2.90%	0.323%
62	12.865	1793	1798	1801	rBV	129437	206458	5.62%	0.626%
63	12.908	1801	1805	1809	rVB2	129146	209985	5.72%	0.637%
64	13.048	1822	1828	1832	rBV2	20064	35901	0.98%	0.109%
65	13.103	1832	1837	1847	rVB	98861	178462	4.86%	0.541%
66	13.249	1847	1861	1866	rBV	222323	376831	10.26%	1.142%
67	13.298	1866	1869	1875	rVV2	44342	71896	1.96%	0.218%
68	13.444	1888	1893	1894	rVV2	16659	24084	0.66%	0.073%
69	13.475	1894	1898	1905	rVV	33354	76016	2.07%	0.230%
70	13.554	1905	1911	1921	rVV2	529753	1104036	30.07%	3.347%
71	13.627	1921	1923	1932	rVB3	27456	50768	1.38%	0.154%
72	13.755	1938	1944	1953	rBV	452997	742747	20.23%	2.252%
73	13.853	1953	1960	1968	rVB	453498	758798	20.67%	2.300%
74	13.938	1968	1974	1981	rVB2	254355	427465	11.64%	1.296%
75	14.011	1981	1986	1988	rBV	32670	51593	1.41%	0.156%
76	14.096	1996	2000	2004	rVB	40412	64252	1.75%	0.195%
77	14.157	2004	2010	2014	rBV	74411	129624	3.53%	0.393%
78	14.206	2014	2018	2027	rVB	125181	231296	6.30%	0.701%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

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\SOM2WLM030821S.M
Title : VOC Analysis

79	14.334	2033	2039	2044	rVB2	32295	53166	1.45%	0.161%
80	14.456	2055	2059	2063	rBV	37388	52509	1.43%	0.159%
81	14.511	2063	2068	2071	rVB3	22044	36773	1.00%	0.111%
82	14.548	2071	2074	2080	rVB6	17399	31213	0.85%	0.095%
83	14.682	2092	2096	2107	rVB	158604	271812	7.40%	0.824%
84	14.804	2107	2116	2122	rBV2	459127	831128	22.64%	2.519%
85	14.871	2122	2127	2133	rVB	207233	326698	8.90%	0.990%
86	14.956	2133	2141	2147	rVB	518752	847195	23.07%	2.568%
87	15.060	2147	2158	2162	rBV2	58304	140636	3.83%	0.426%
88	15.175	2168	2177	2185	rVB5	44103	136314	3.71%	0.413%
89	15.291	2186	2196	2201	rBV6	11708	36498	0.99%	0.111%
90	15.364	2201	2208	2214	rVB	253243	440692	12.00%	1.336%
91	15.462	2214	2224	2230	rBV2	95310	212659	5.79%	0.645%
92	15.523	2230	2234	2247	rVB	72916	144711	3.94%	0.439%
93	15.651	2248	2255	2259	rBV2	29946	61770	1.68%	0.187%
94	15.724	2262	2267	2274	rVB4	26697	58728	1.60%	0.178%
95	15.791	2274	2278	2281	rBV2	15028	27715	0.75%	0.084%
96	15.858	2284	2289	2292	rBV4	21030	38337	1.04%	0.116%
97	15.962	2299	2306	2308	rBV3	27628	59962	1.63%	0.182%
98	16.175	2331	2341	2349	rBV5	46799	125705	3.42%	0.381%
99	16.437	2377	2384	2399	rVB	127749	284921	7.76%	0.864%
100	16.639	2409	2417	2426	rBV2	91480	203162	5.53%	0.616%

Sum of corrected areas: 32988591

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
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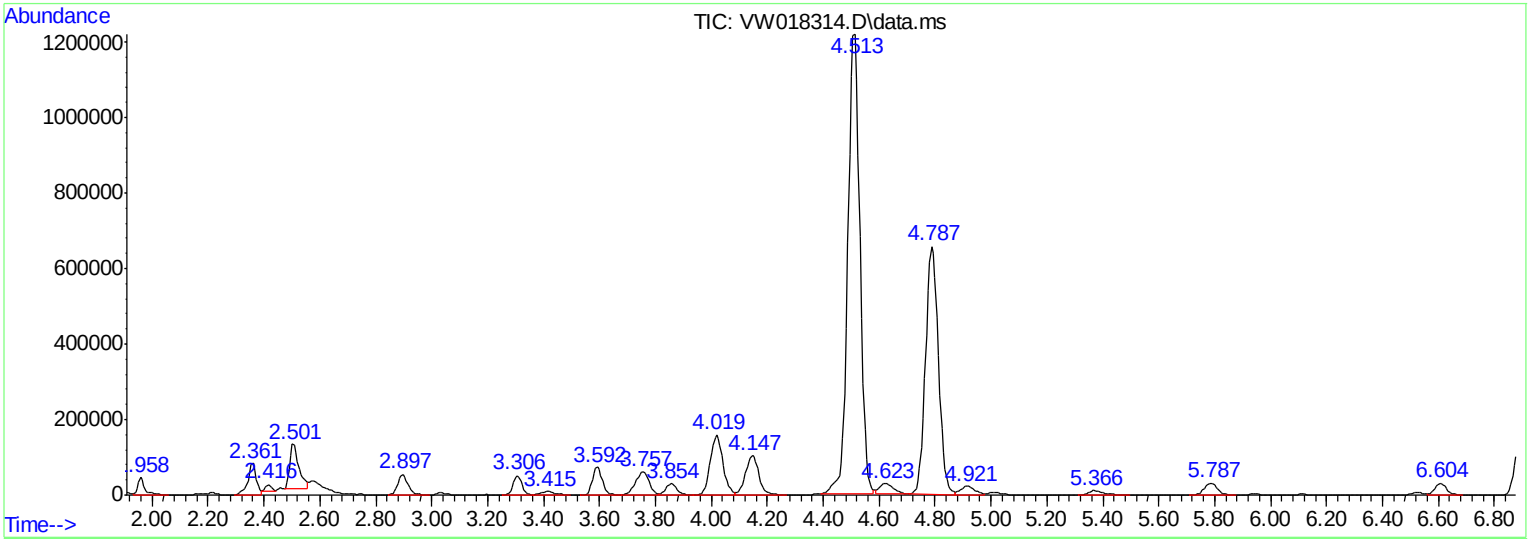
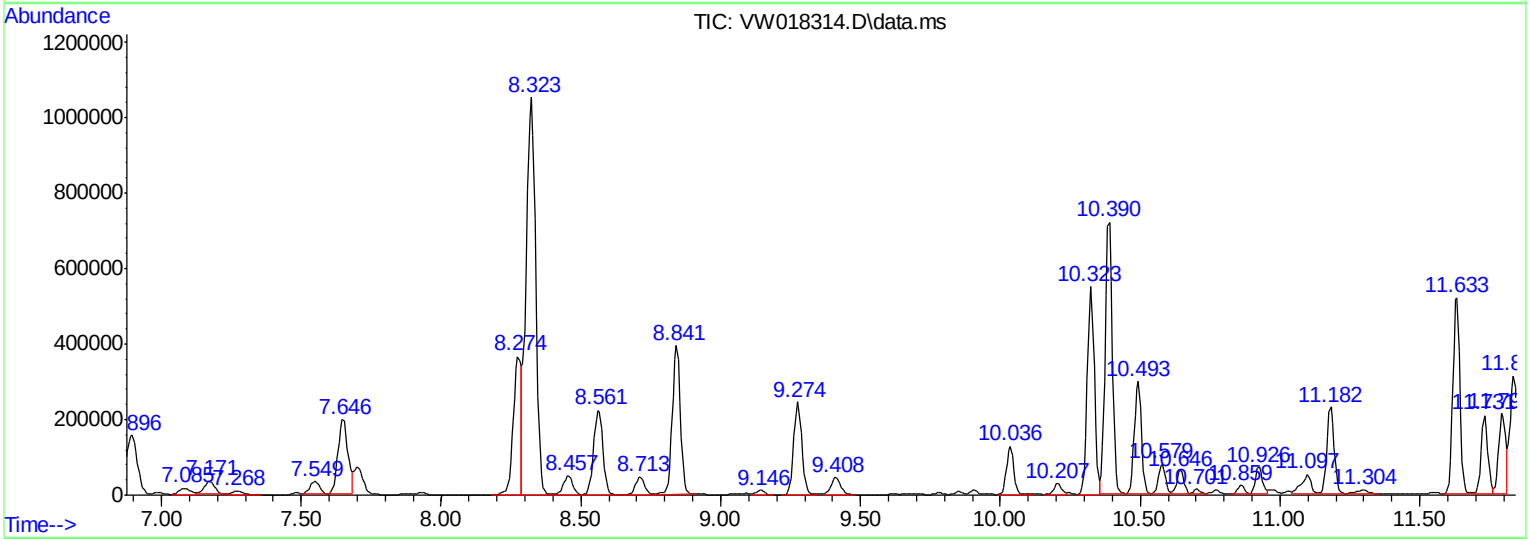
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

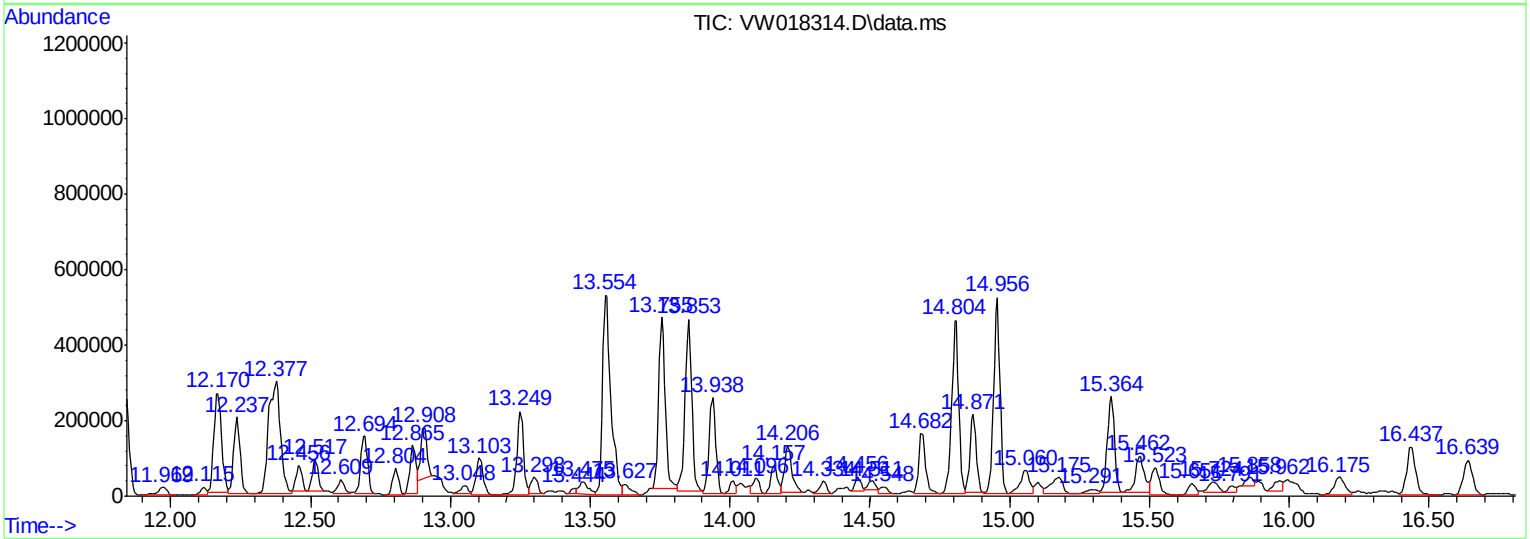
Instrument :
MSVOA_W
ClientSampleId :
BG569

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

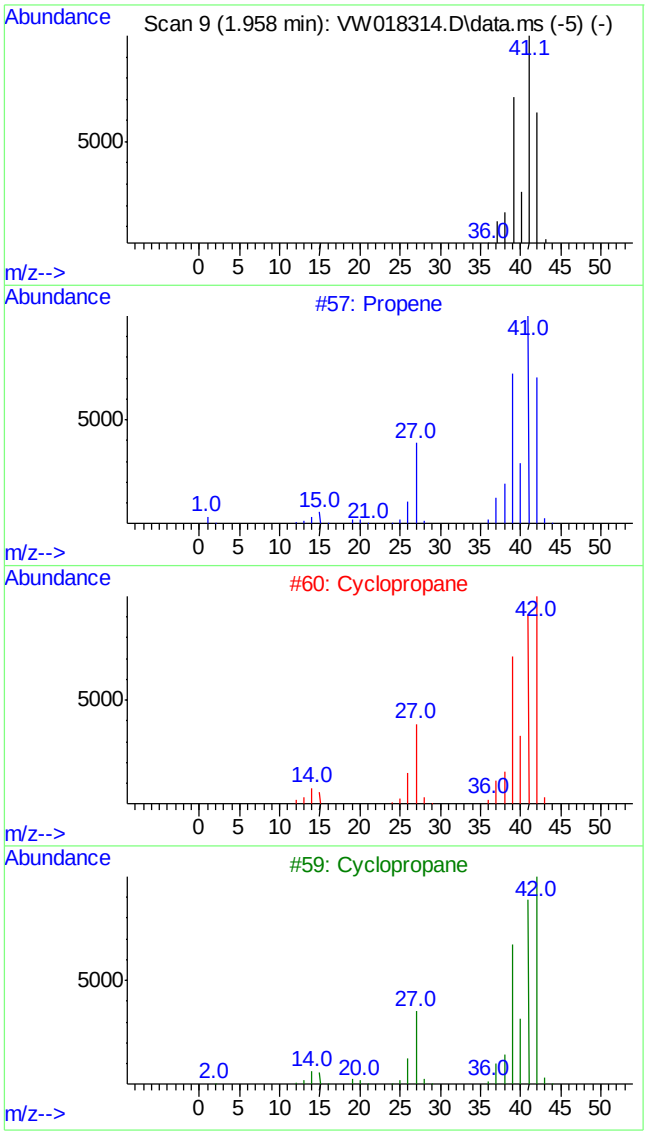
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

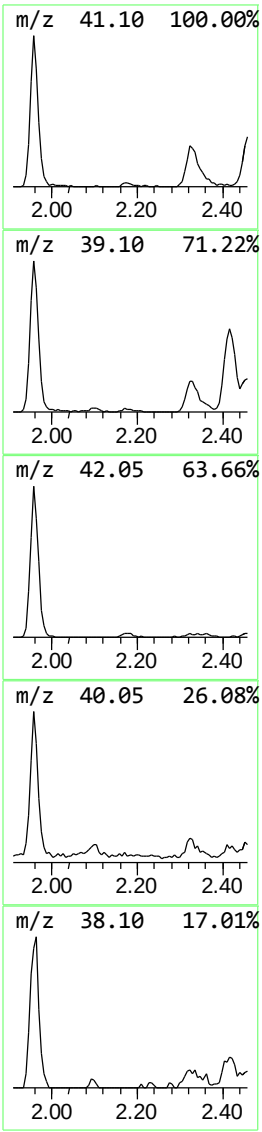
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.958	2.33 ug/L	74062	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropane	42	C3H6	000075-19-4	78
3	Cyclopropane	42	C3H6	000075-19-4	78
4	Propene	42	C3H6	000115-07-1	52
5	Cyclopropane	42	C3H6	000075-19-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

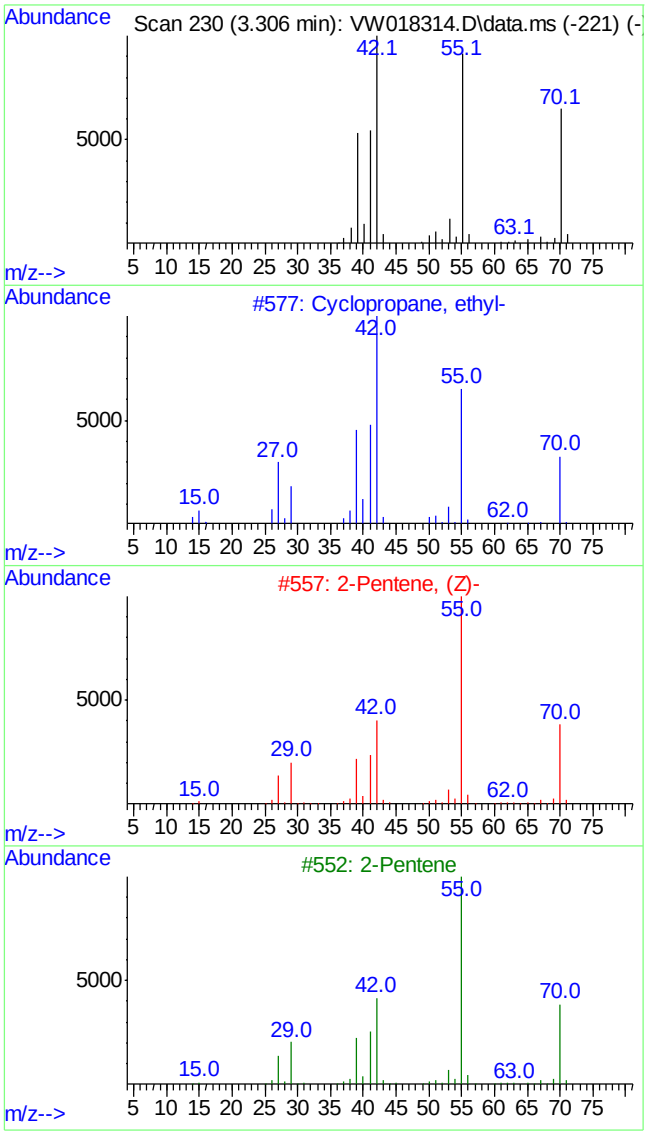
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

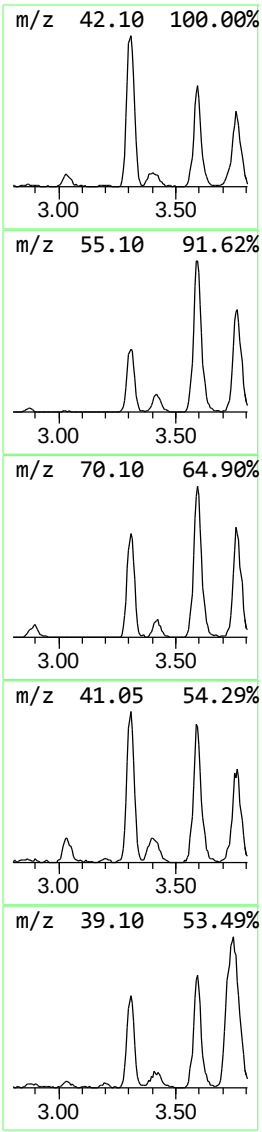
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic3.306 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.306	3.59 ug/L	114122	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
3	2-Pentene	70	C5H10	000109-68-2	80
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

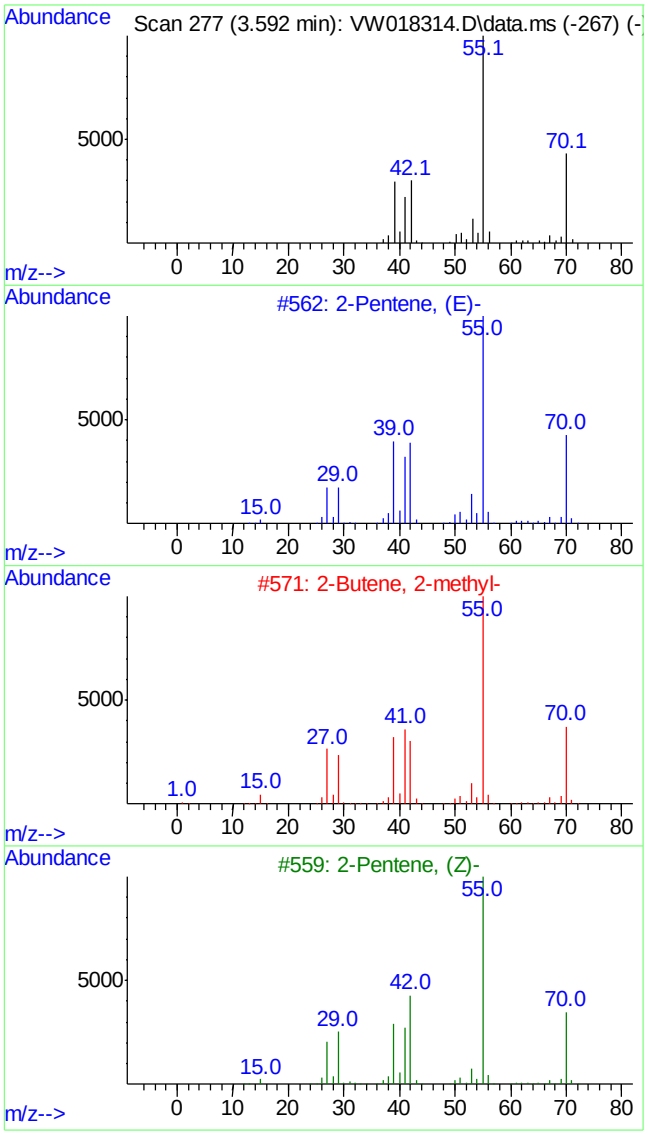
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

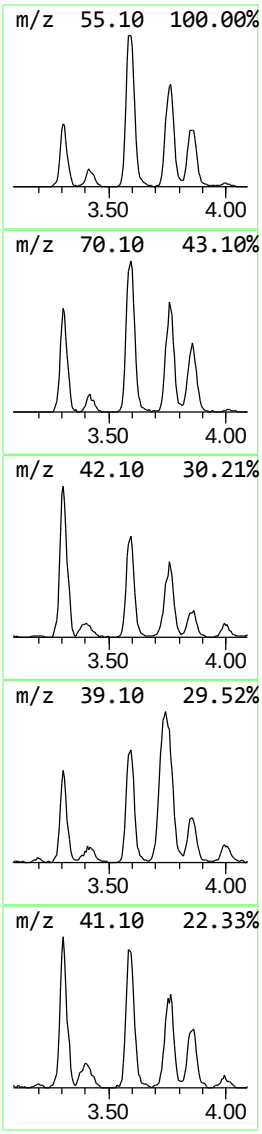
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.592	5.75 ug/L	183014	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

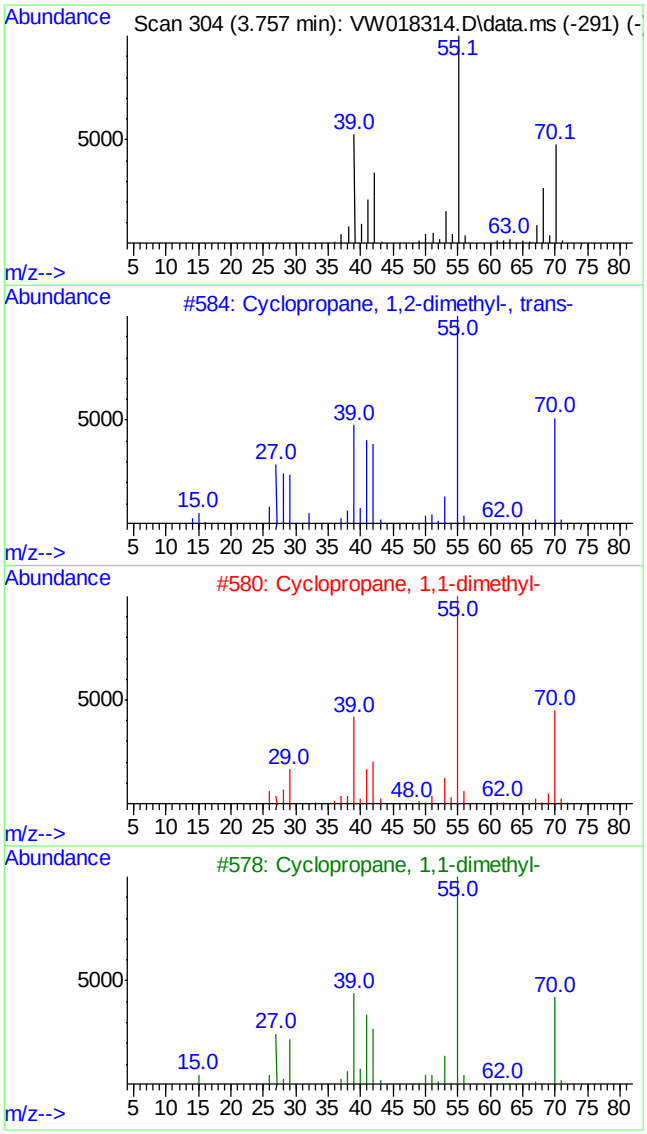
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

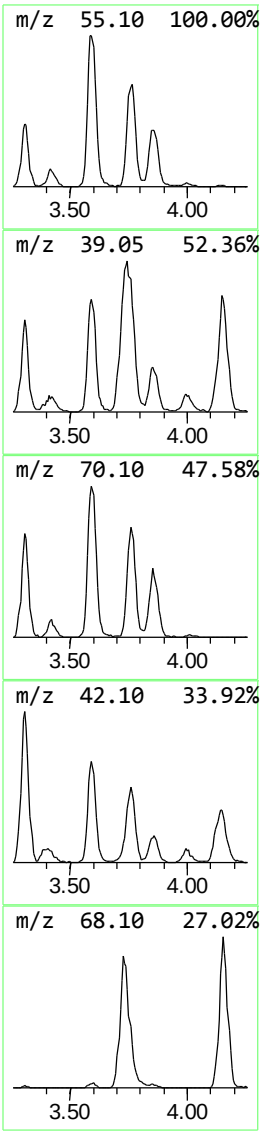
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic3.757 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.757	6.61 ug/L	210230	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	81
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG569

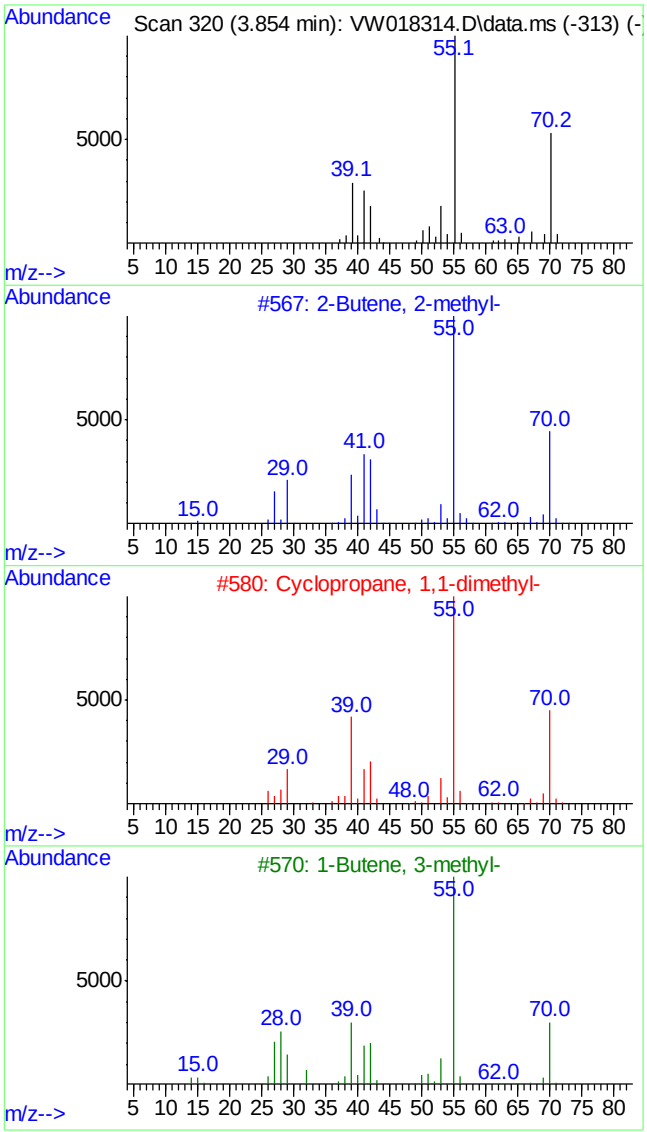
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

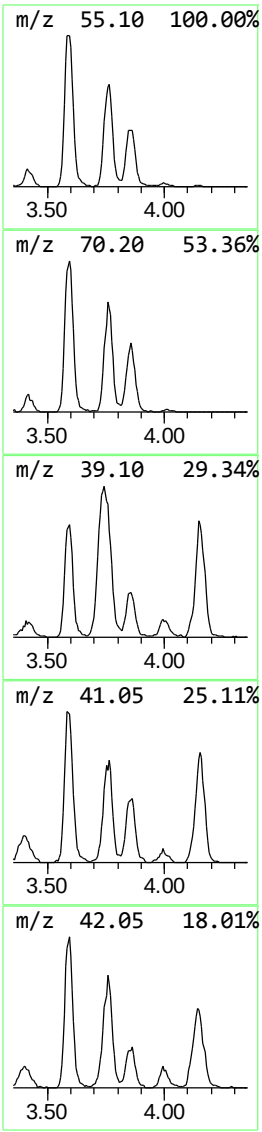
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.854	2.57 ug/L	81625	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	78
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78
4	2-Methyl-1-butene	70	C5H10	000563-46-2	78
5	2-Pentene	70	C5H10	000109-68-2	72





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG569

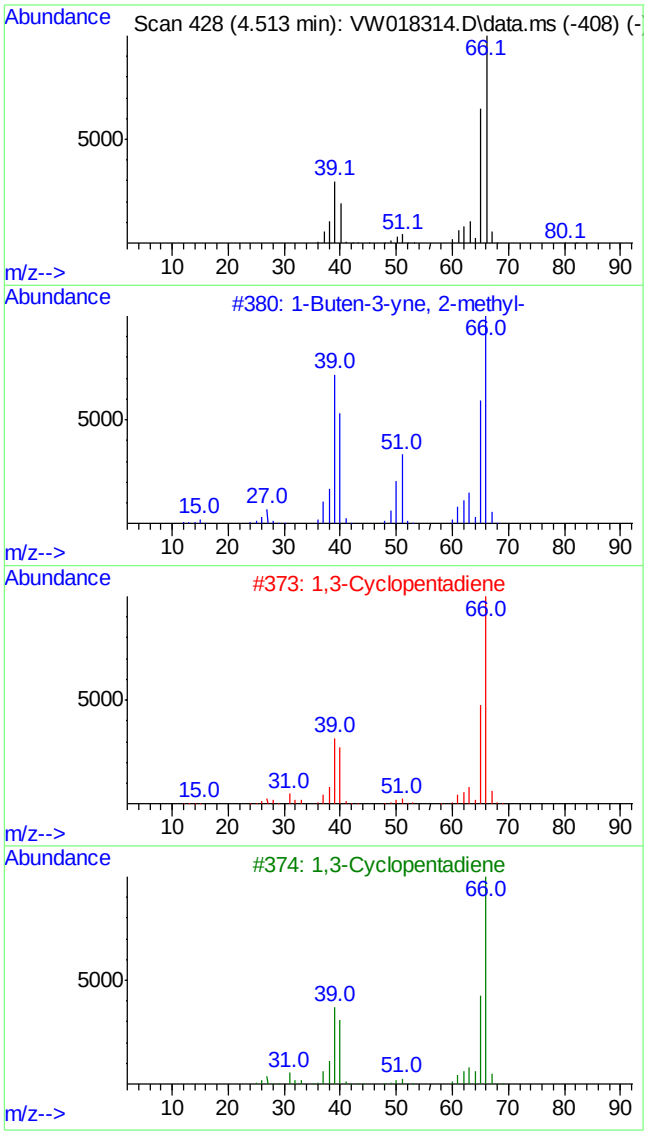
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

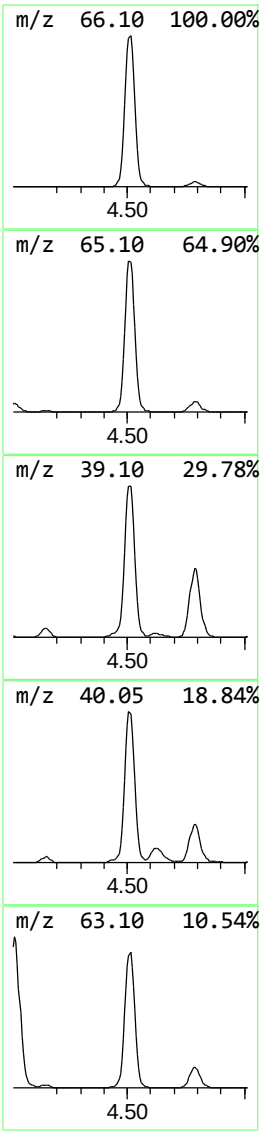
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Buten-3-yne, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.513	115.46 ug/L	3671860	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	91
2	1,3-Cyclopentadiene	66	C5H6	000542-92-7	91
3	1,3-Cyclopentadiene	66	C5H6	000542-92-7	90
4	1-Buten-3-yne, 2-methyl-	66	C5H6	000078-80-8	83
5	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	83





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

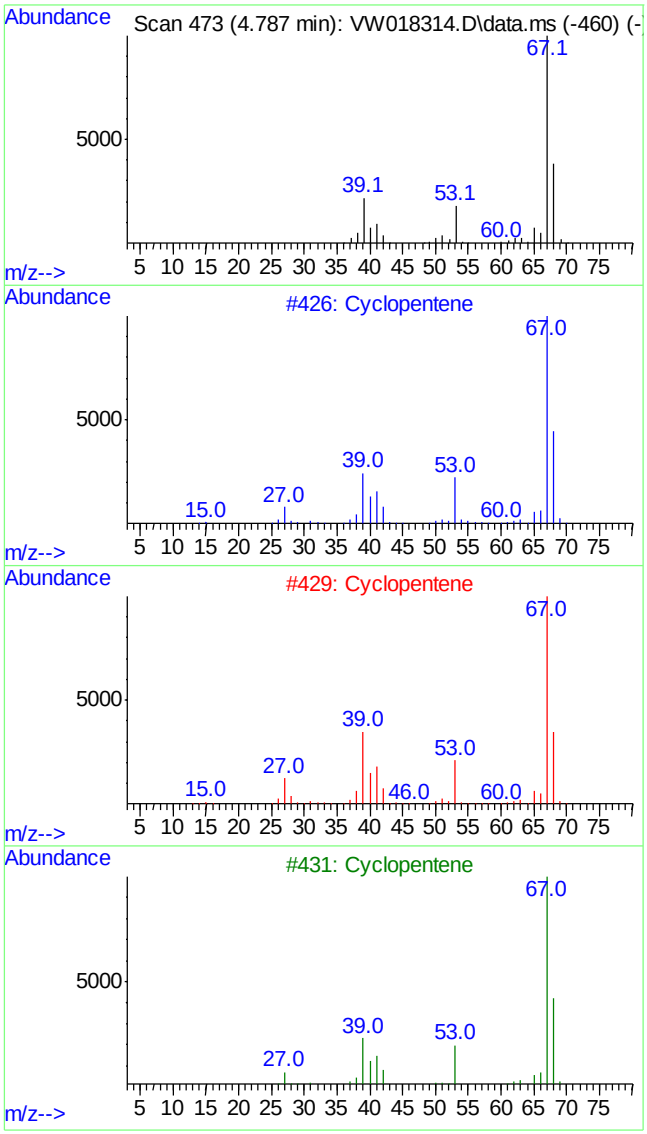
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

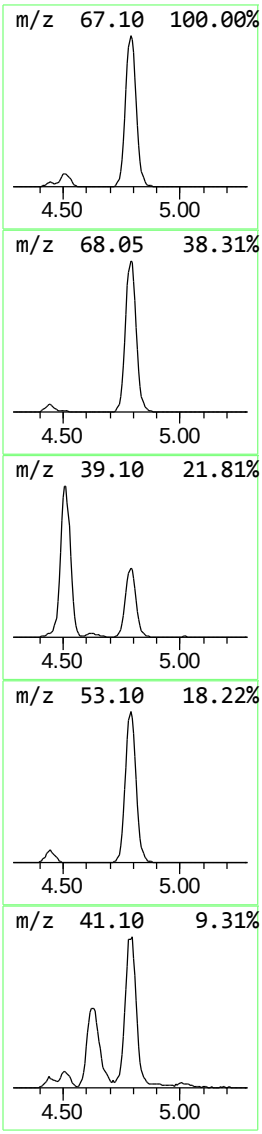
****

Peak Number 9 Cyclopentene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.787	66.35 ug/L	2110110	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	90
2	Cyclopentene	68	C5H8	000142-29-0	90
3	Cyclopentene	68	C5H8	000142-29-0	87
4	Cyclopentene	68	C5H8	000142-29-0	72
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

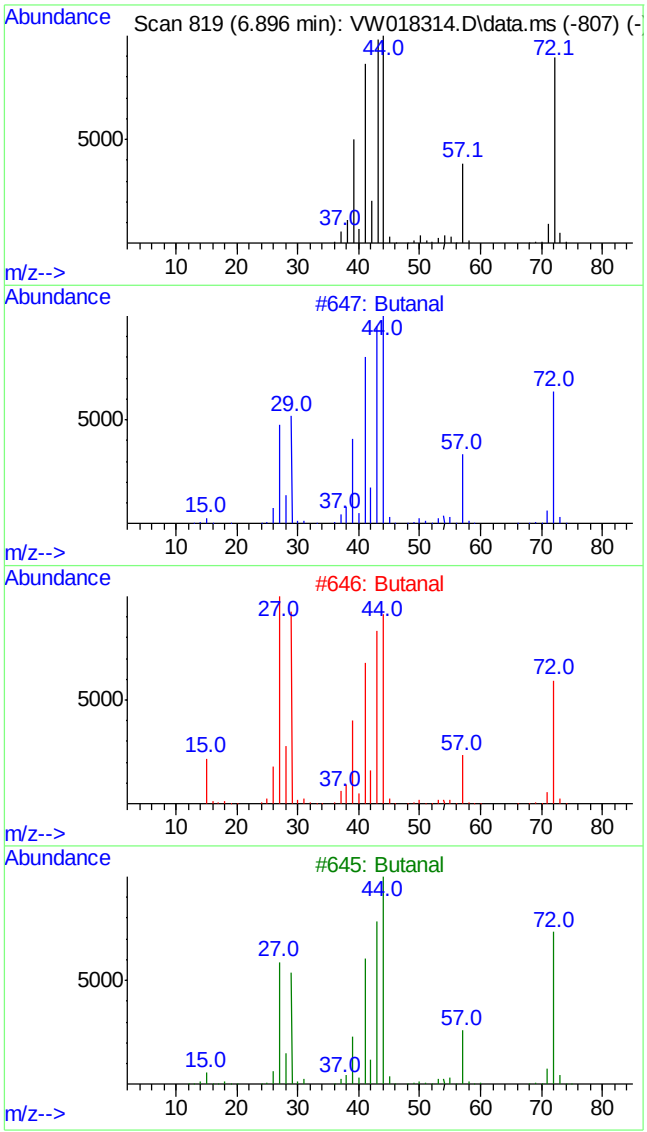
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

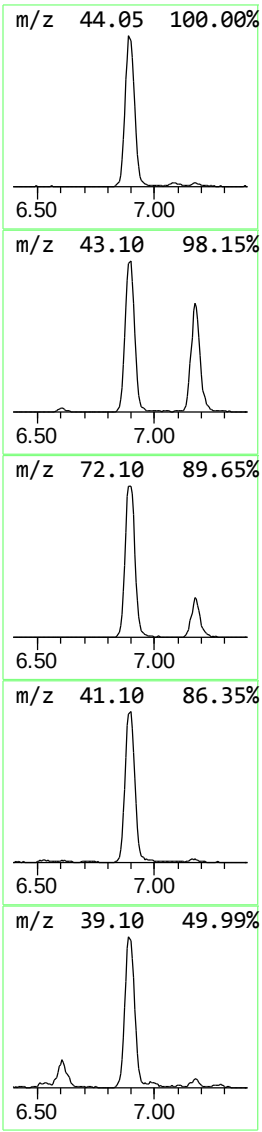
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Butanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.896	14.18 ug/L	451034	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	59
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	46
5	Butanal	72	C4H8O	000123-72-8	46





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Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

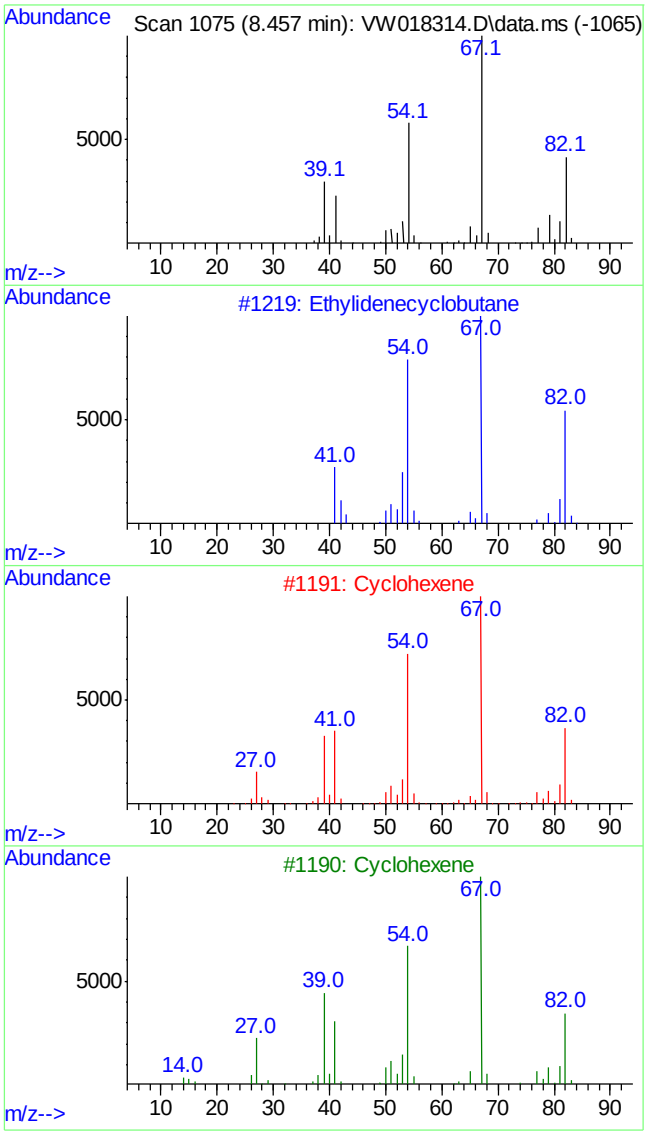
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

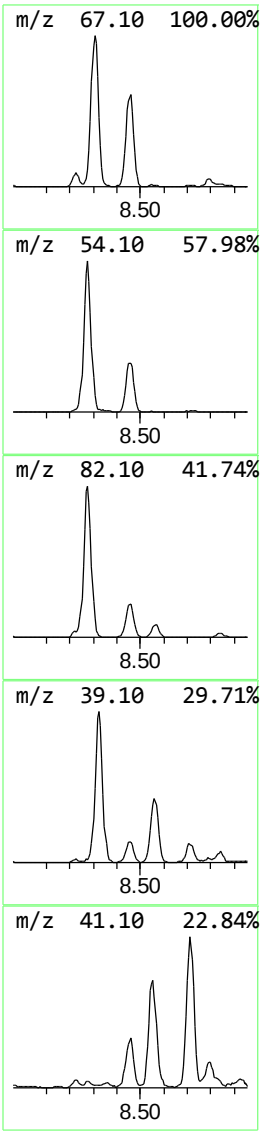
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Ethylidenecyclobutane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.457	3.58 ug/L	113913	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecyclobutane	82	C6H10	001528-21-8	90
2	Cyclohexene	82	C6H10	000110-83-8	90
3	Cyclohexene	82	C6H10	000110-83-8	90
4	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	90
5	Cyclohexene	82	C6H10	000110-83-8	87





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Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

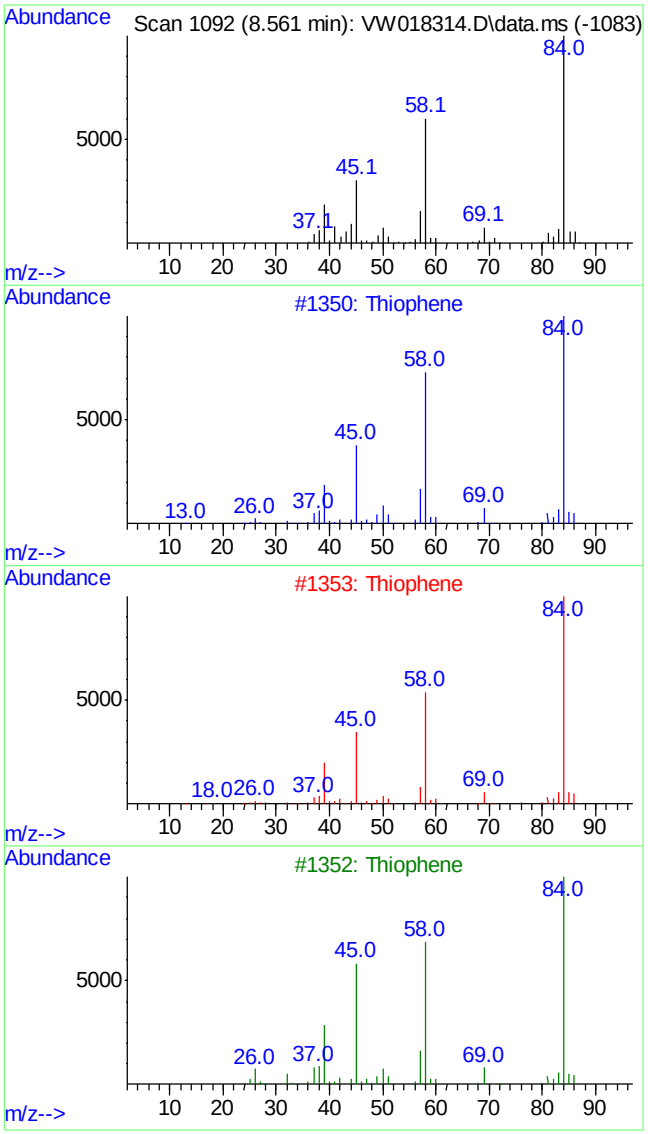
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

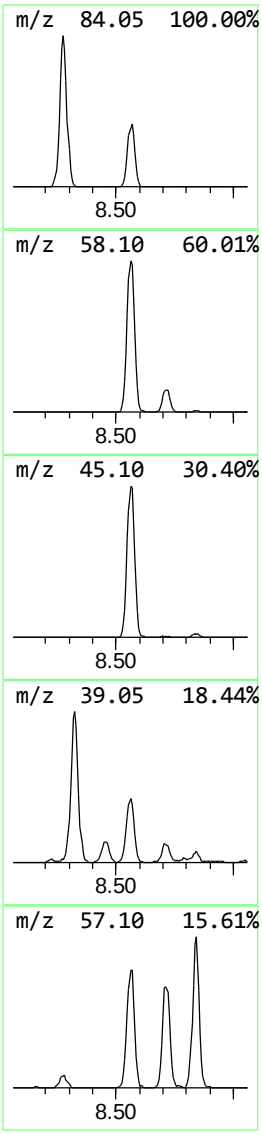
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.561	16.36 ug/L	520343	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	97
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	91
4	Thiophene	84	C4H4S	000110-02-1	90
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	43





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

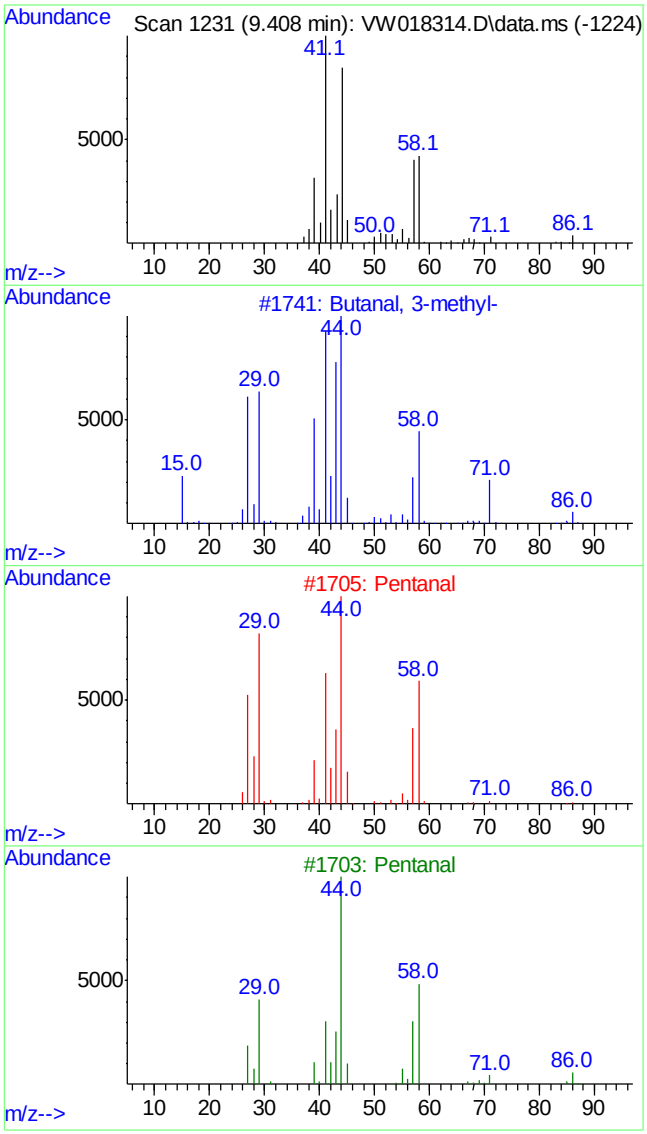
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

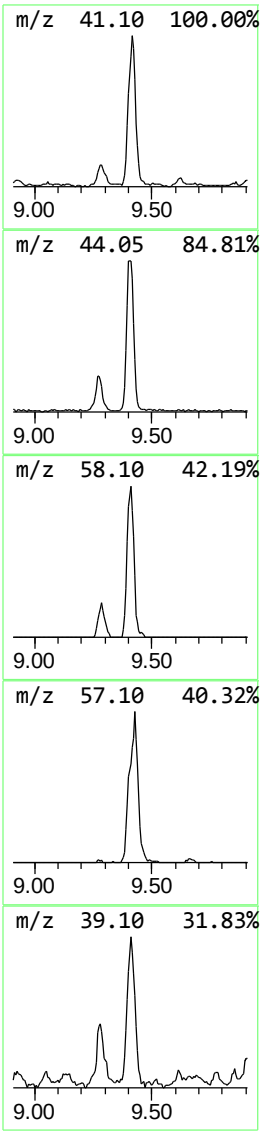
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pentanal Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.408	3.55 ug/L	112957	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 3-methyl-	86	C5H10O	000590-86-3	64
2	Pentanal	86	C5H10O	000110-62-3	56
3	Pentanal	86	C5H10O	000110-62-3	50
4	Pentanal	86	C5H10O	000110-62-3	42
5	Butanal, 2-methyl-	86	C5H10O	000096-17-3	9





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

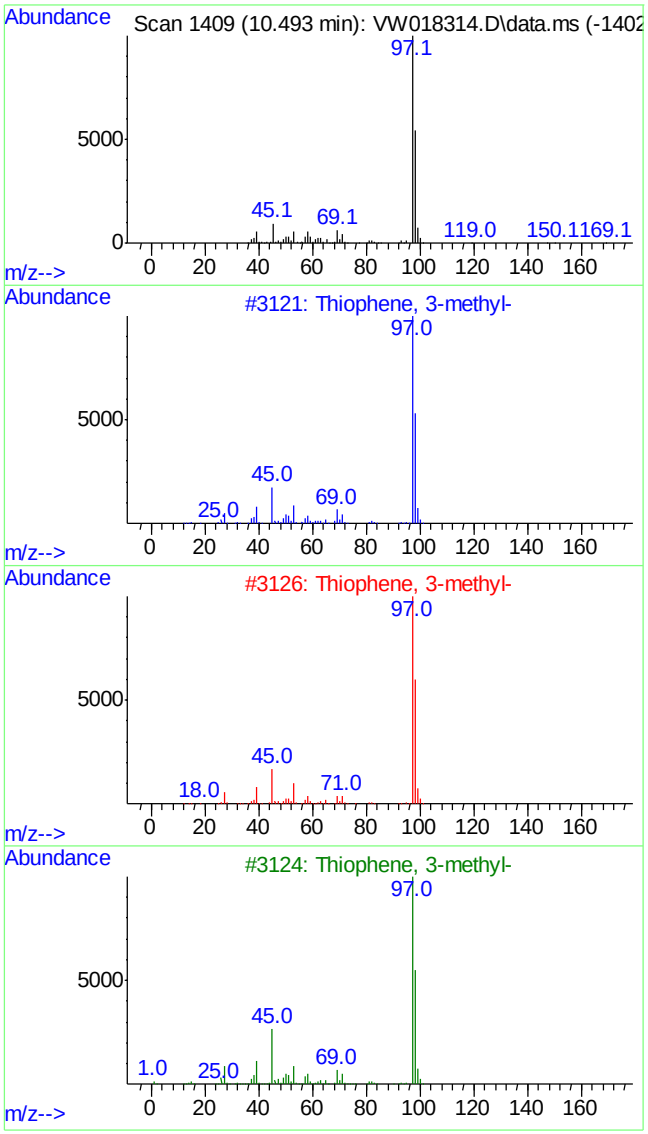
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

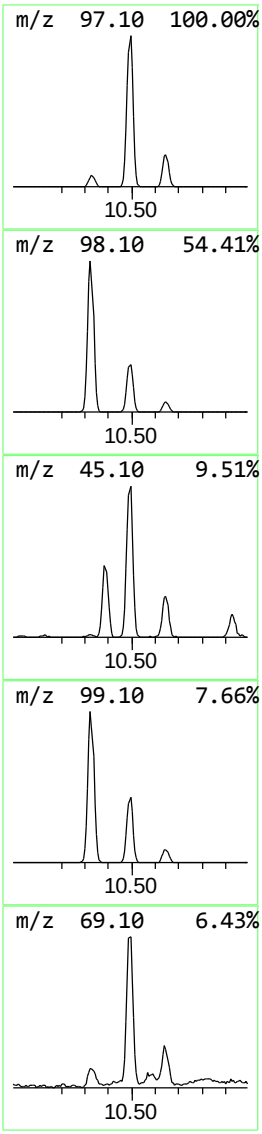
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Thiophene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.493	14.66 ug/L	532960	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

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

****
Peak Number 23 Pentanenitrile Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.097	3.71 ug/L	134699	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanenitrile	83	C5H9N	000110-59-8	64
2	Pentanenitrile	83	C5H9N	000110-59-8	42
3	Pentanedinitrile	94	C5H6N2	000544-13-8	37
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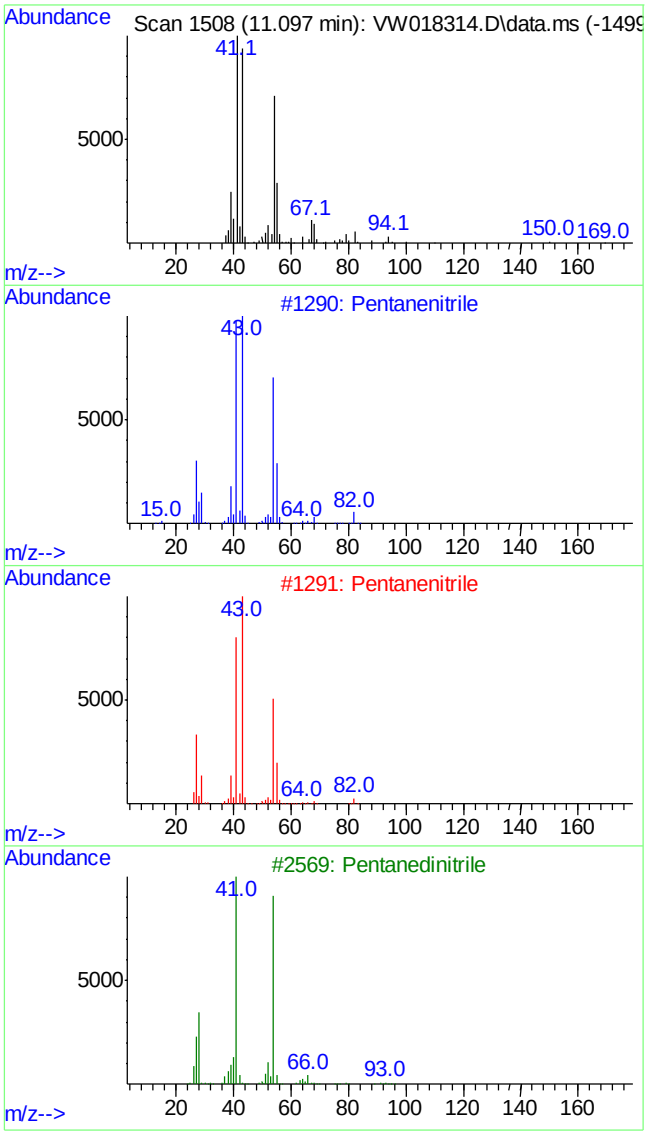
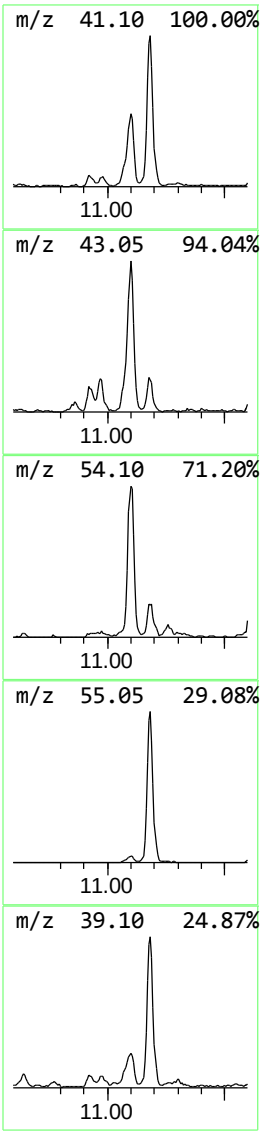
5	1,5-Hexadiene	82	C6H10	000592-42-7	28





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

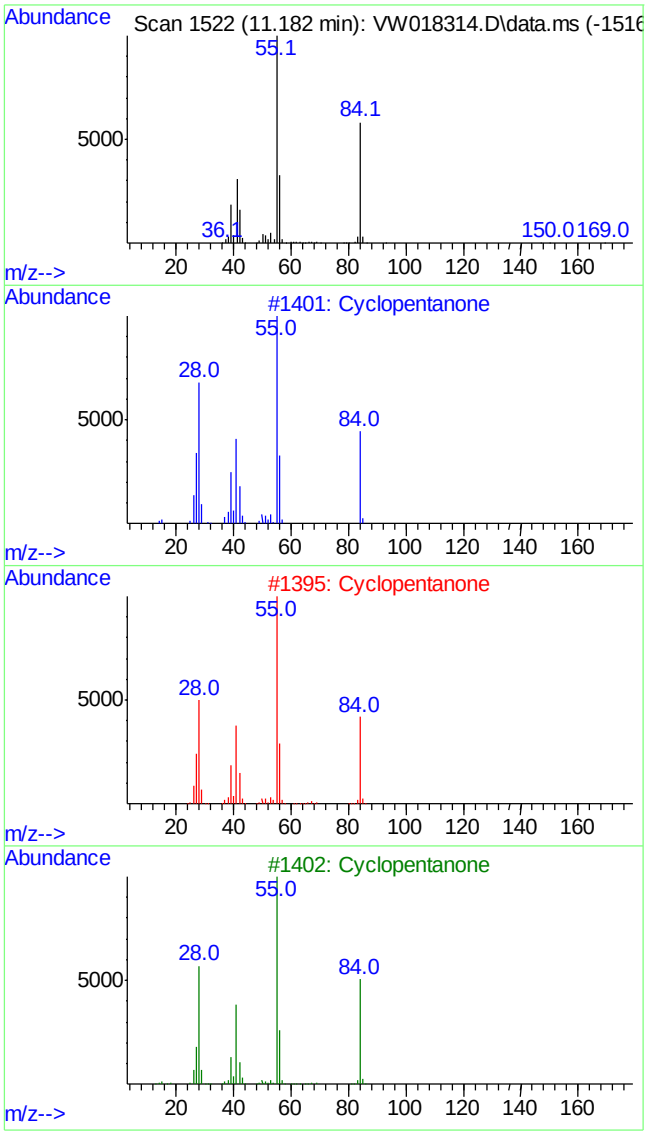
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

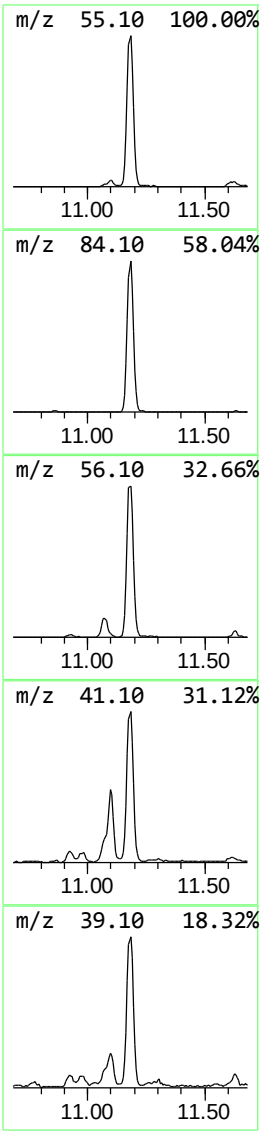
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclopentanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.182	11.64 ug/L	423019	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone	84	C5H8O	000120-92-3	91
2	Cyclopentanone	84	C5H8O	000120-92-3	91
3	Cyclopentanone	84	C5H8O	000120-92-3	64
4	2-Amino-oxazole	84	C3H4N2O	004570-45-0	53
5	Pyridine-D5-	84	C5D5N	007291-22-7	50





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Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

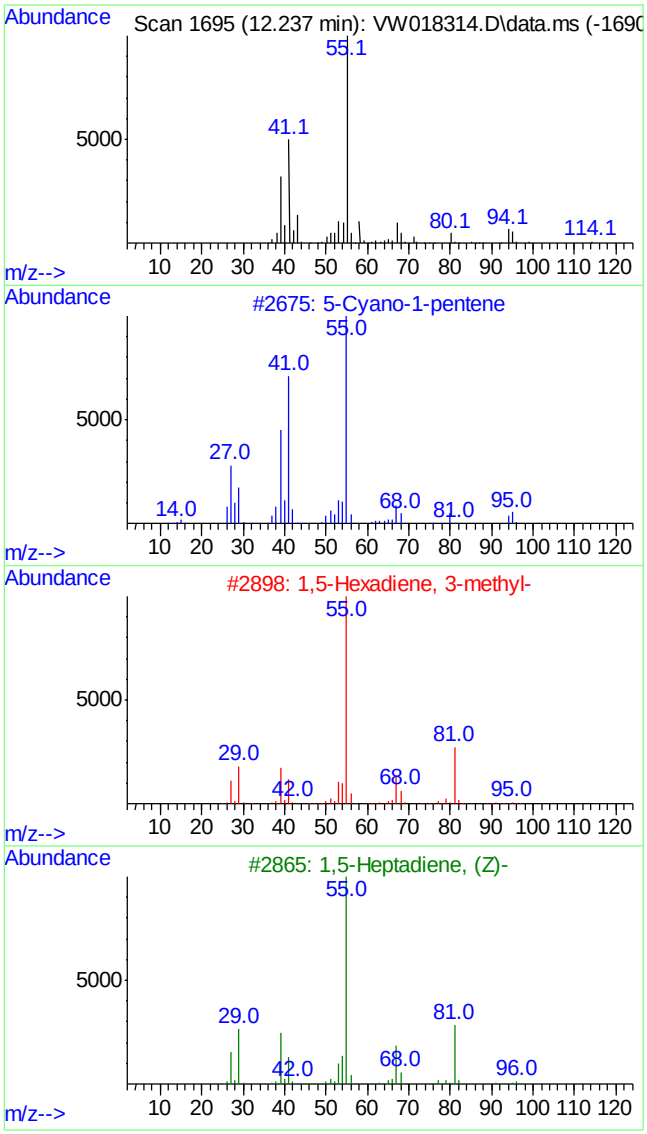
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

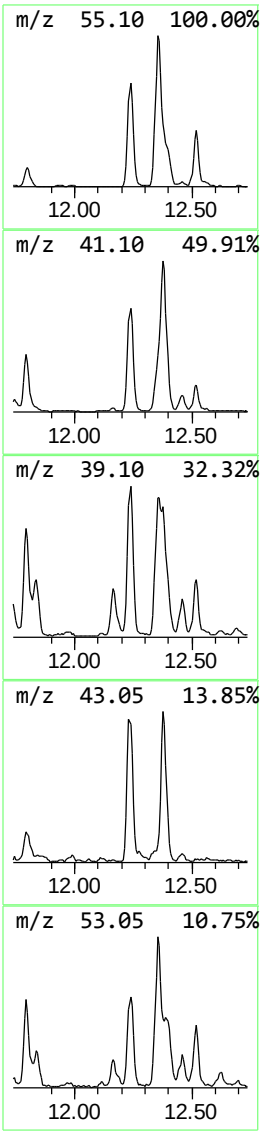
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,5-Hexadiene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.237	9.07 ug/L	329626	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Cyano-1-pentene	95	C6H9N	005048-19-1	83
2	1,5-Hexadiene, 3-methyl-	96	C7H12	001541-33-9	50
3	1,5-Heptadiene, (Z)-	96	C7H12	007736-34-7	43
4	5-Hexenenitrile, 2-methyl-	109	C7H11N	030316-00-8	42
5	1,5-Heptadiene, (E)-	96	C7H12	007736-22-3	40





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

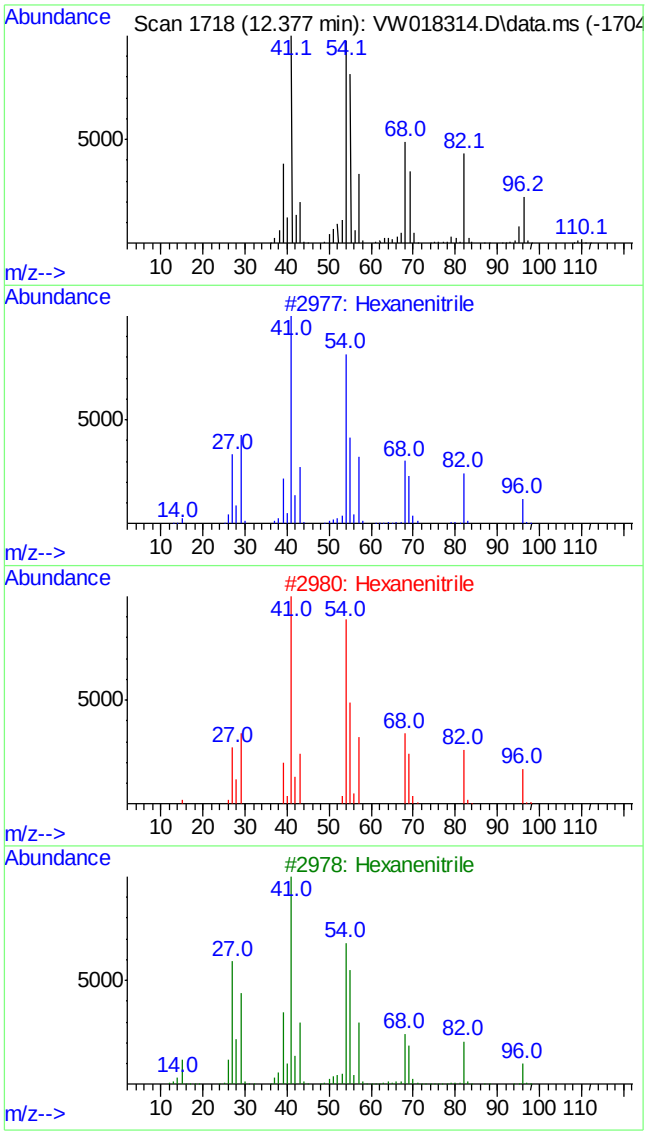
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

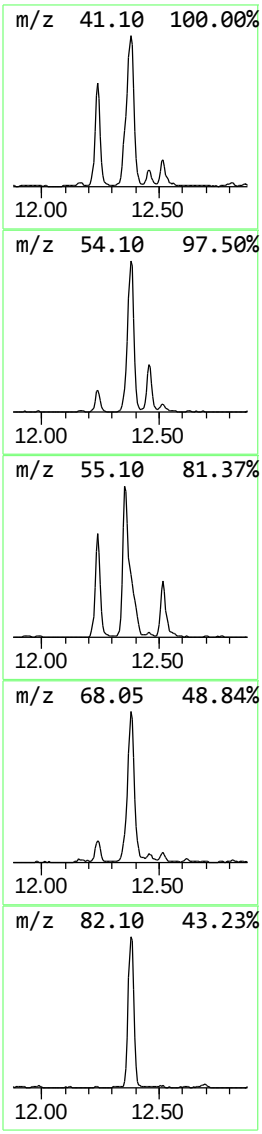
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Spiro[3.3]heptane-2,6-dione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.377	24.26 ug/L	881684	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanenitrile	97	C6H11N	000628-73-9	87
2	Hexanenitrile	97	C6H11N	000628-73-9	81
3	Hexanenitrile	97	C6H11N	000628-73-9	80
4	Hexanenitrile	97	C6H11N	000628-73-9	80
5	Spiro[3.3]heptane-2,6-dione	124	C7H8O2	020061-23-8	56





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Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

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

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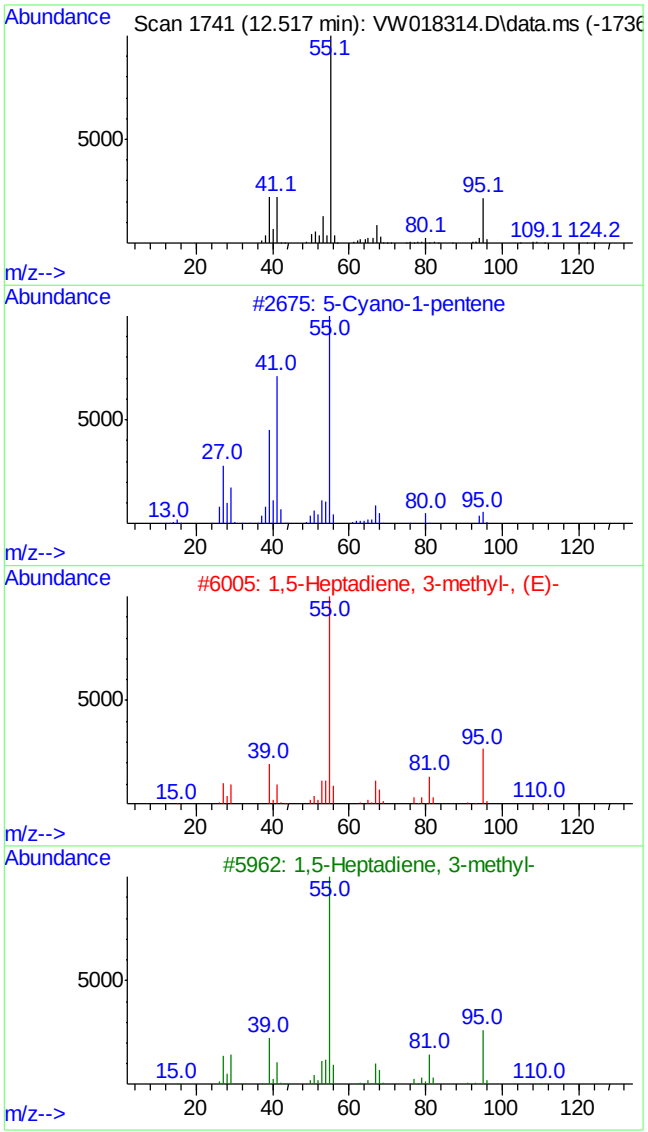
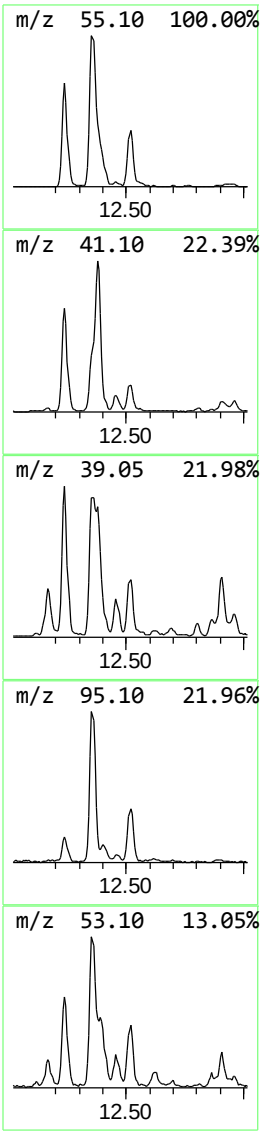
Peak Number 28 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.517	3.47 ug/L	126029	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Cyano-1-pentene	95	C6H9N	005048-19-1	45
2	1,5-Heptadiene, 3-methyl-, (E)-	110	C8H14	050592-72-8	39
3	1,5-Heptadiene, 3-methyl-	110	C8H14	004894-62-6	38
4	1,5-Heptadiene, (E)-	96	C7H12	007736-22-3	25
5	1,5-Heptadiene, (Z)-	96	C7H12	007736-34-7	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG569

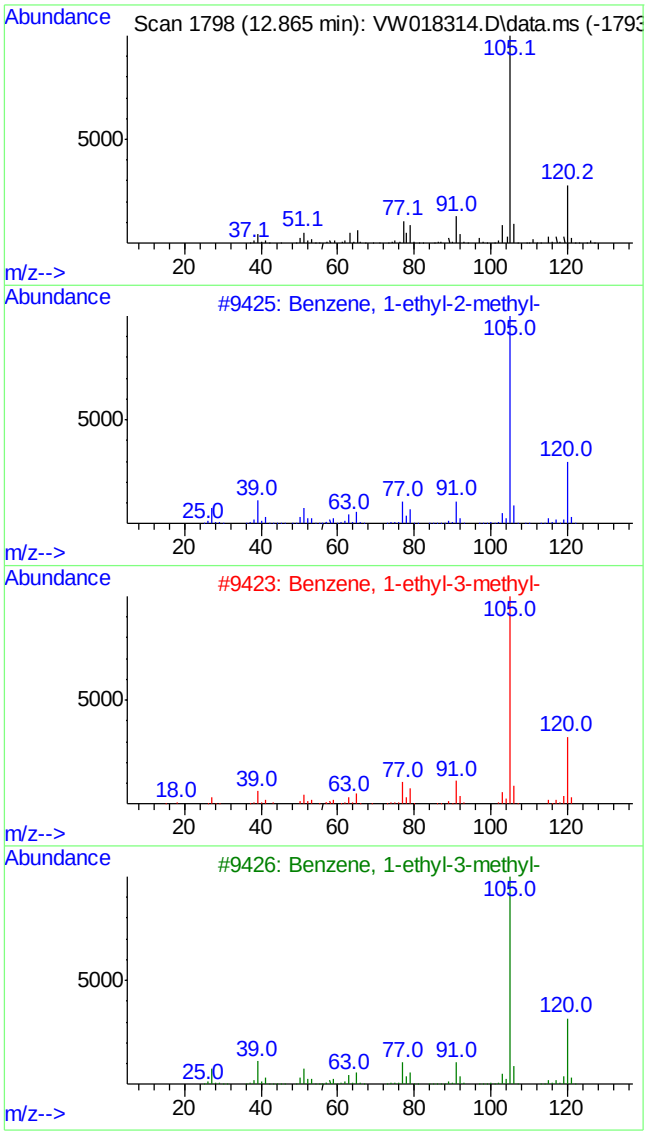
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

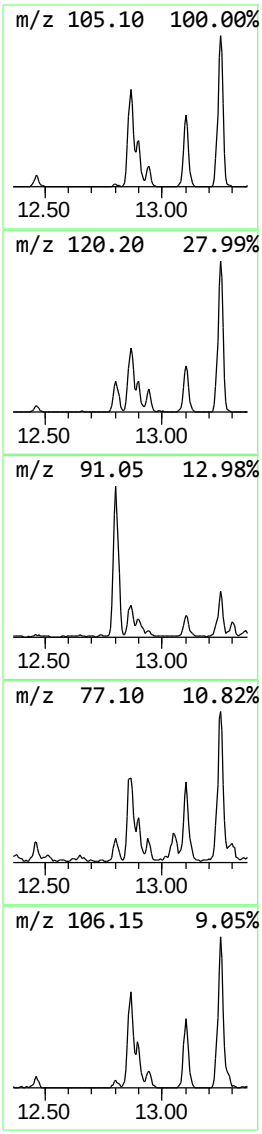
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1-ethyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	4.68 ug/L	206458	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

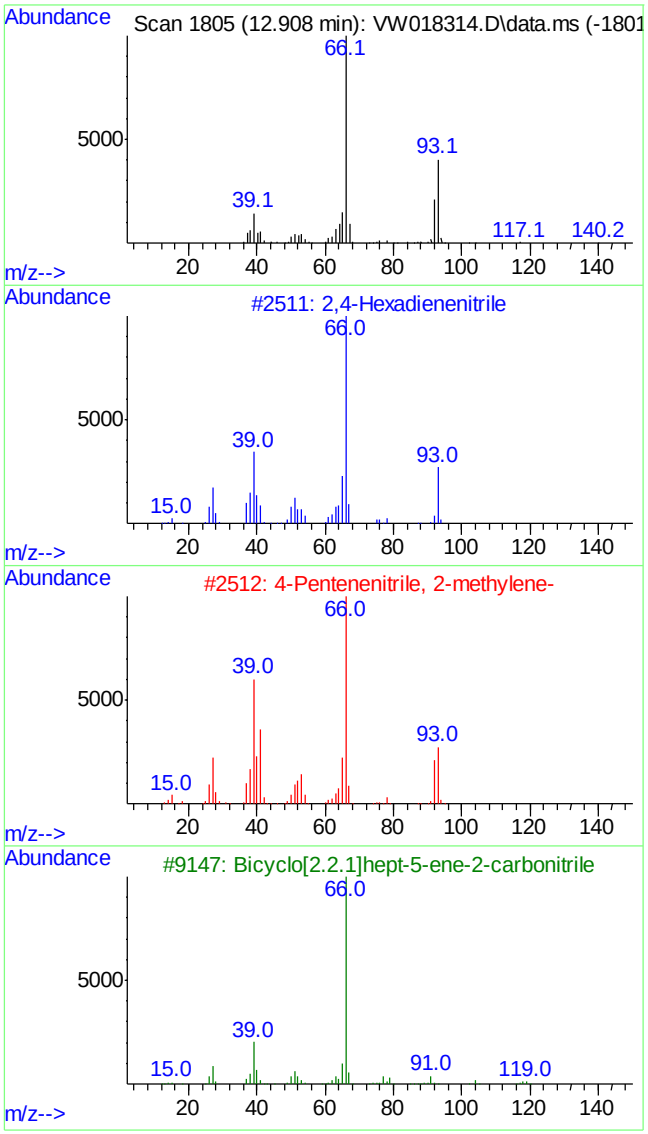
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

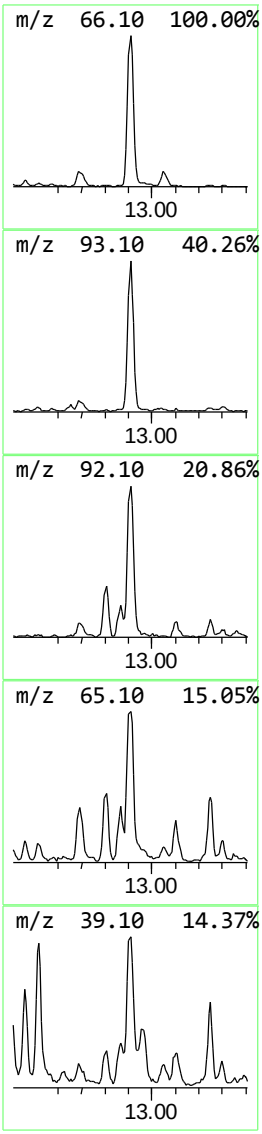
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 2,4-Hexadienenitrile Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.908	4.75 ug/L	209985	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadienenitrile	93	C6H7N	001516-01-4	83
2	4-Pentenenitrile, 2-methylene-	93	C6H7N	028769-50-8	72
3	Bicyclo[2.2.1]hept-5-ene-2-carbo...	119	C8H9N	000095-11-4	64
4	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	64
5	1,3-Cyclopentadiene	66	C5H6	000542-92-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

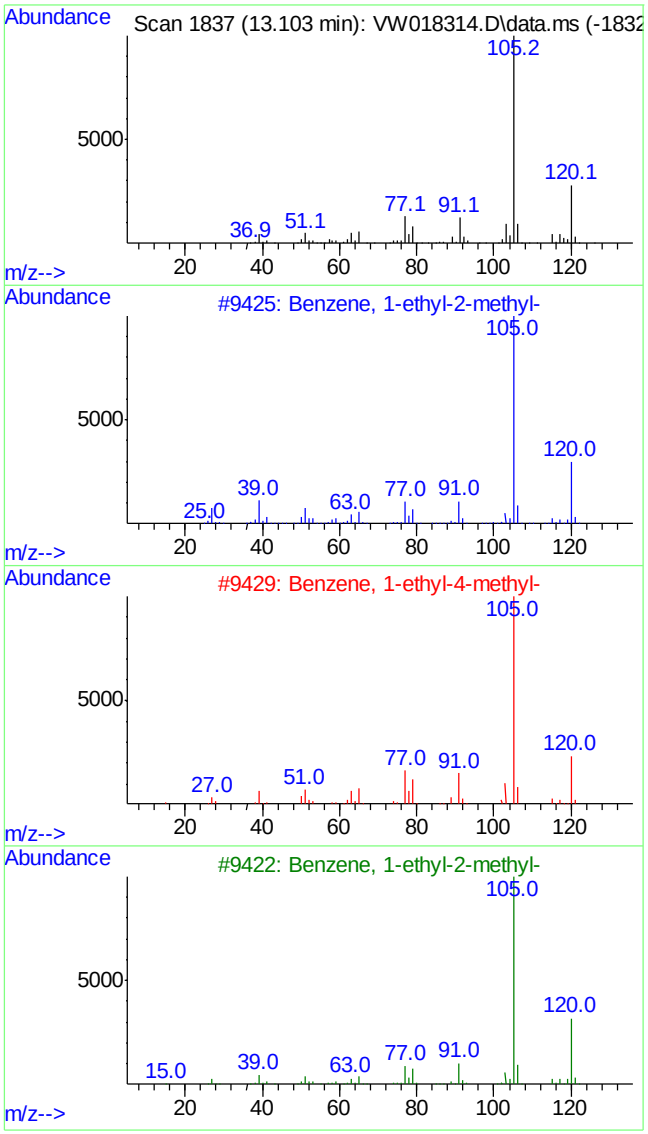
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

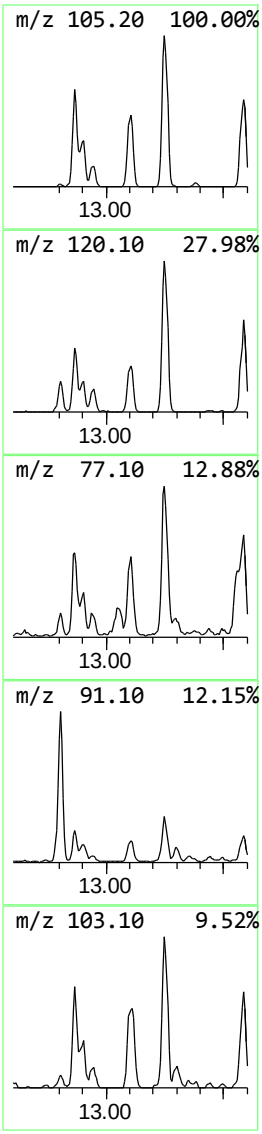
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	4.04 ug/L	178462	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

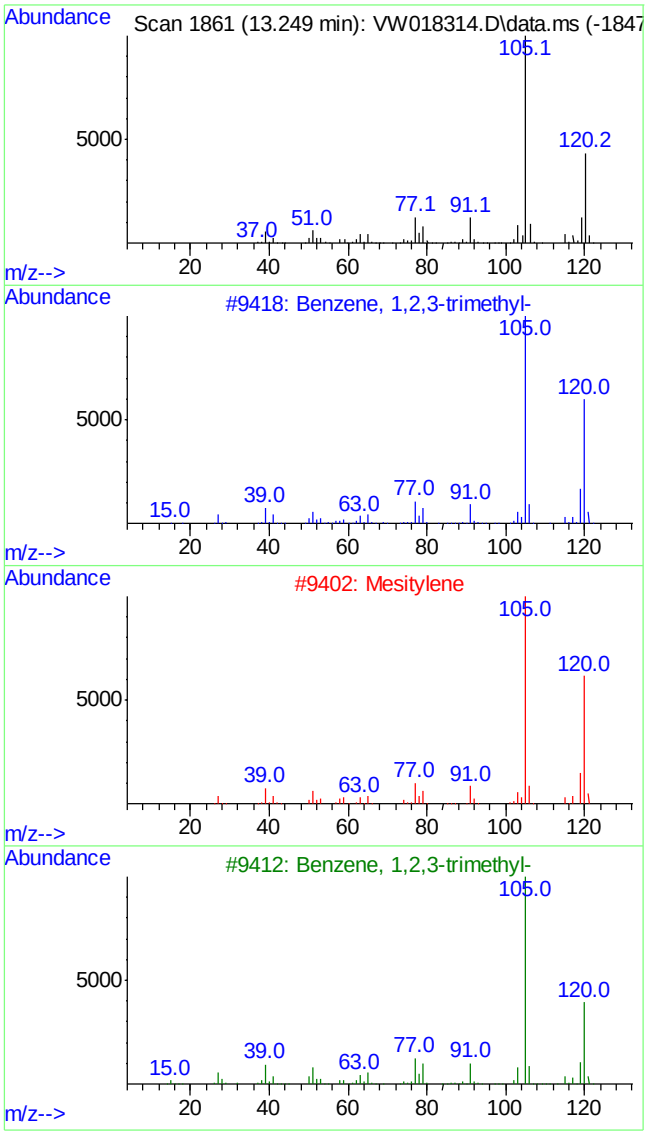
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

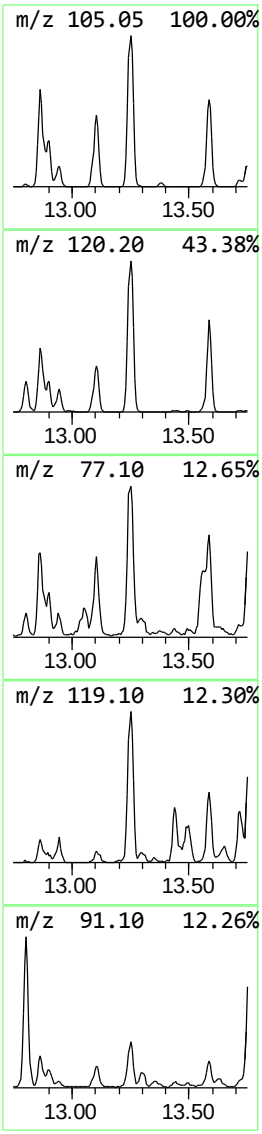
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.249	8.53 ug/L	376831	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

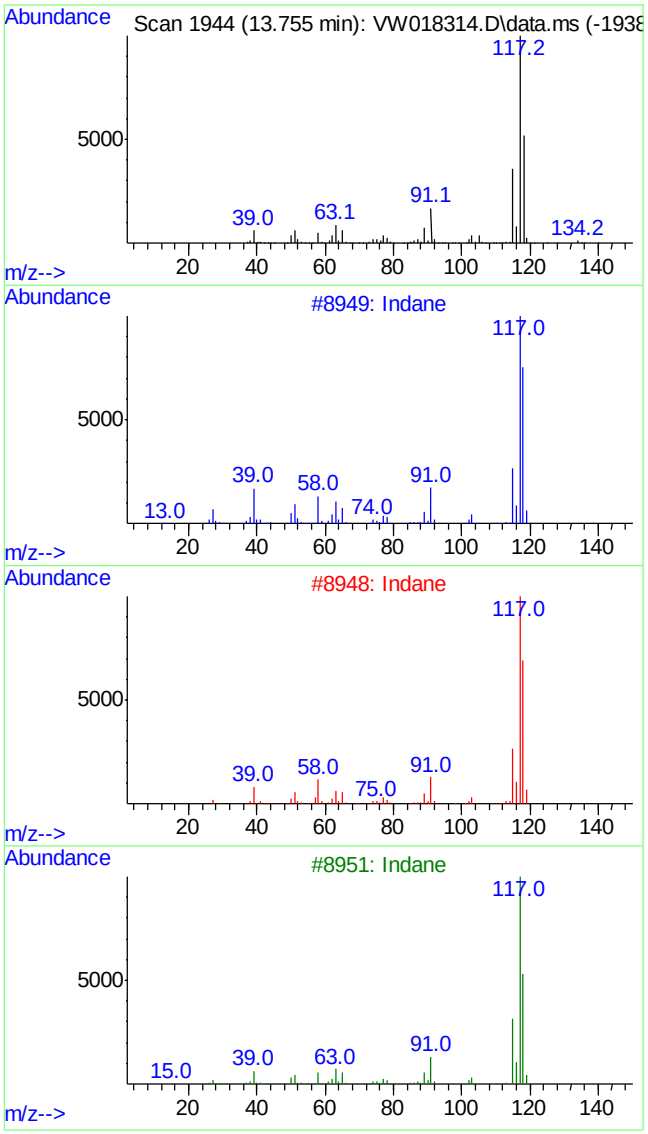
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

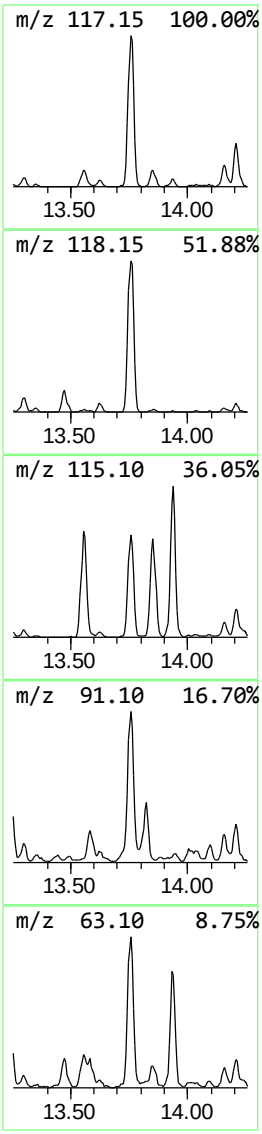
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	16.82 ug/L	742747	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	83
3	Indane	118	C9H10	000496-11-7	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

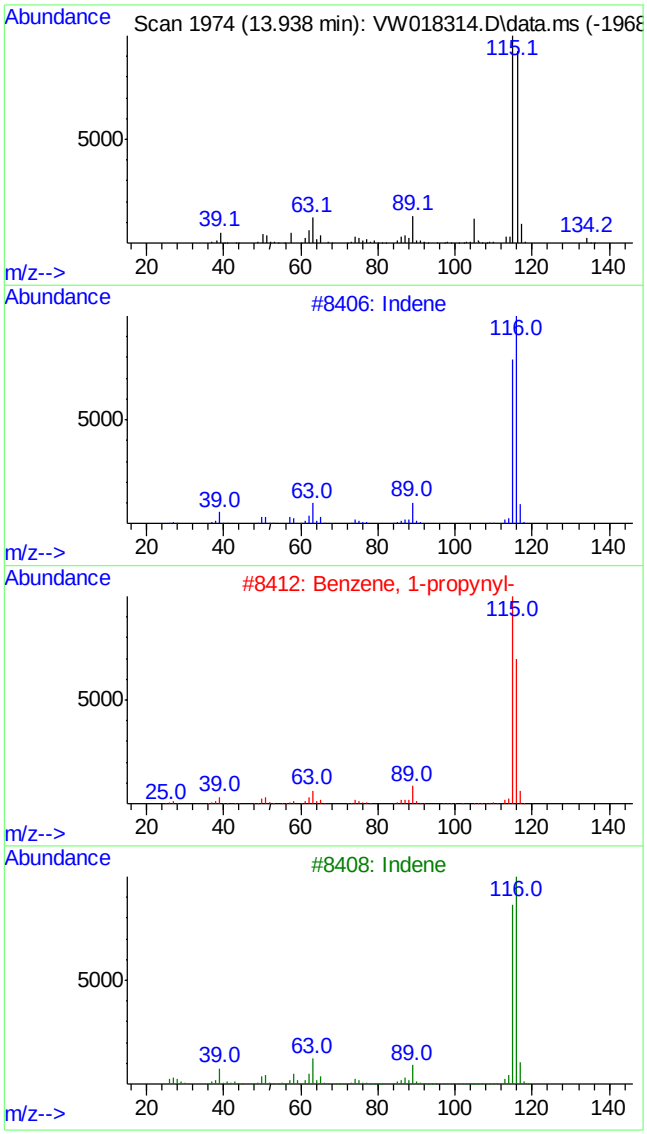
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

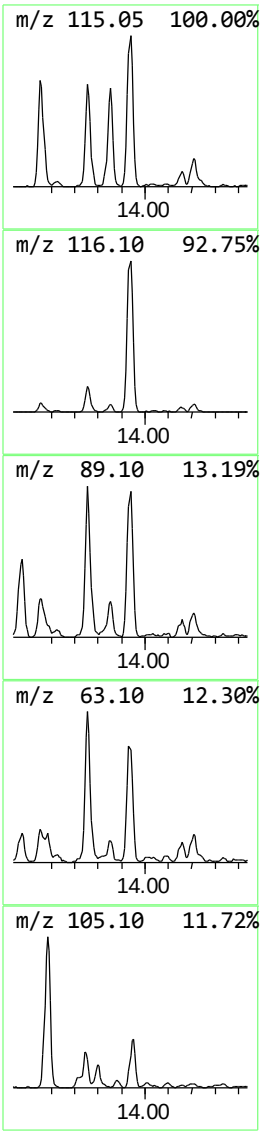
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	9.68 ug/L	427465	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

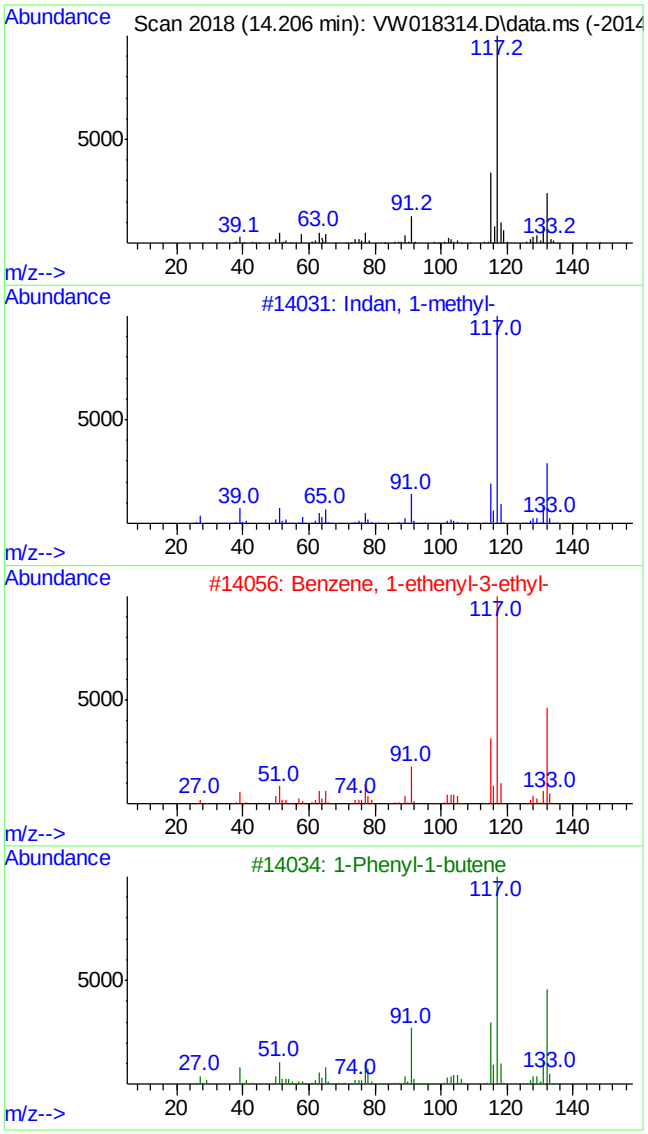
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

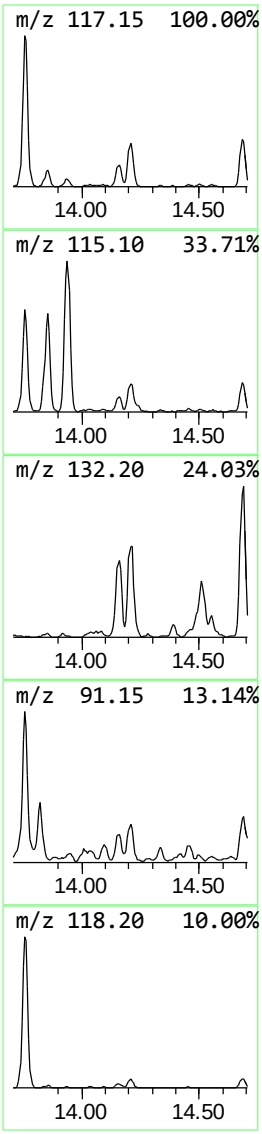
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Indan, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	5.24 ug/L	231296	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

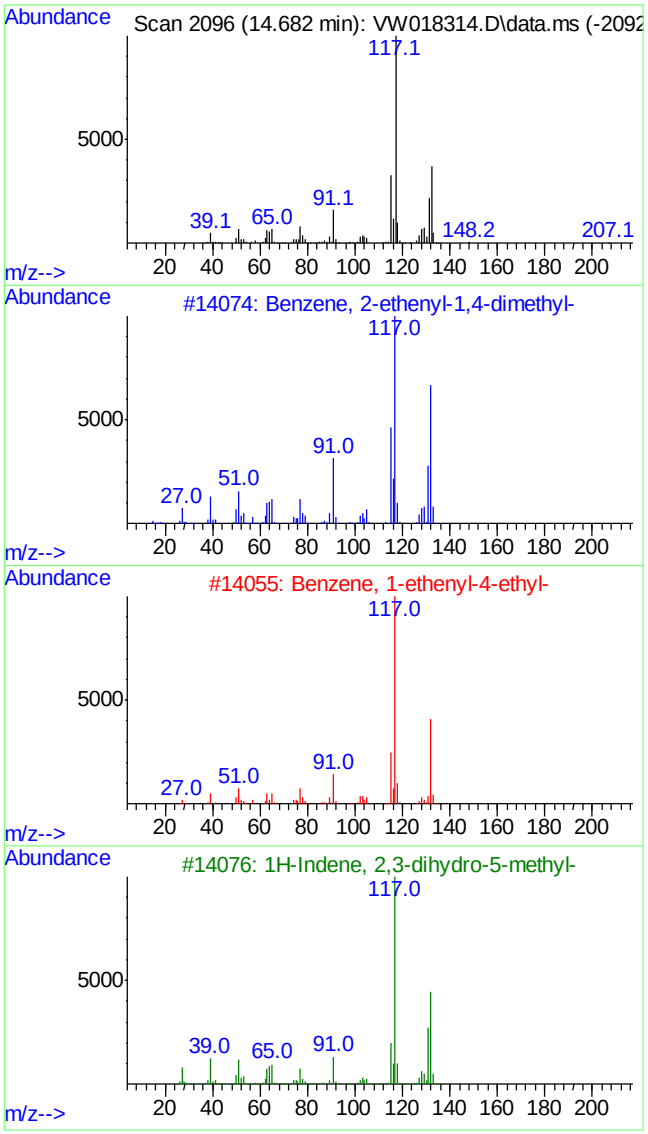
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

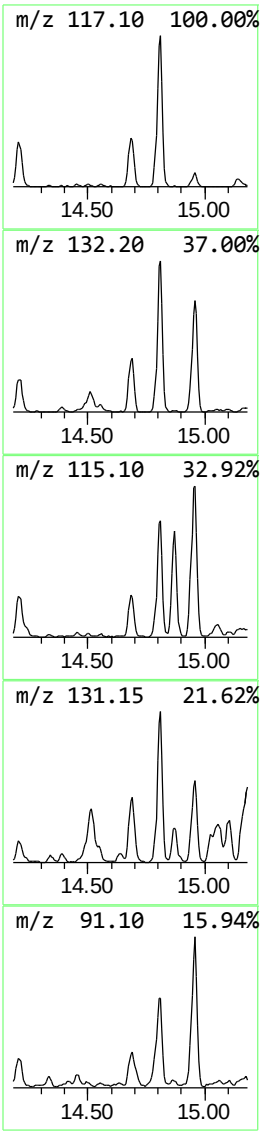
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	6.15 ug/L	271812	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

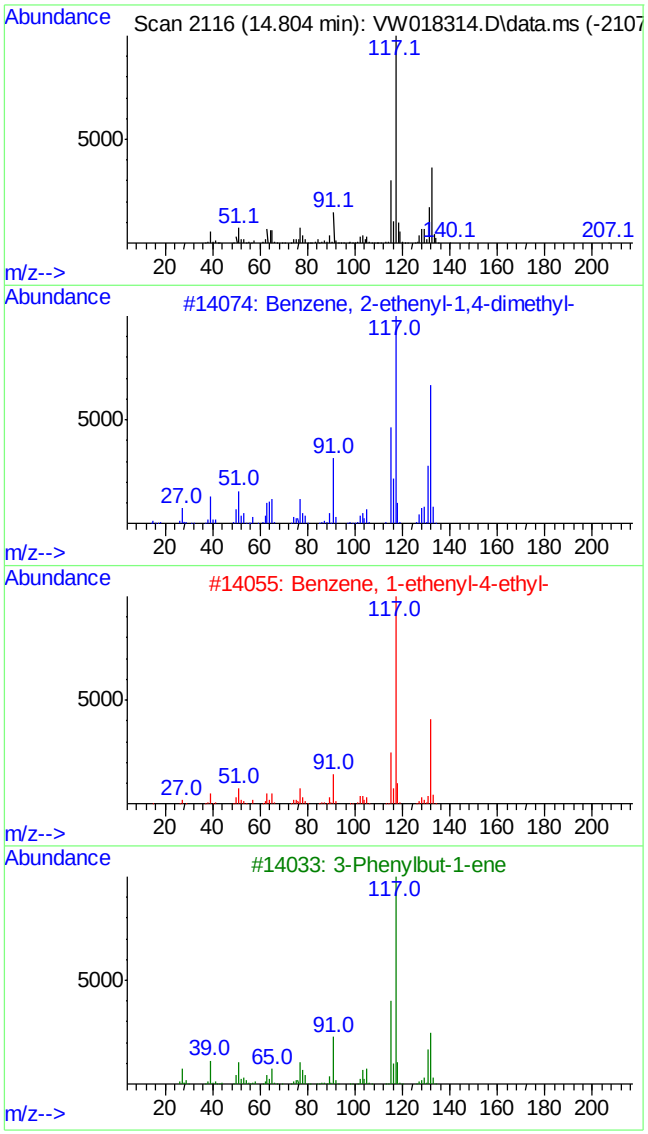
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

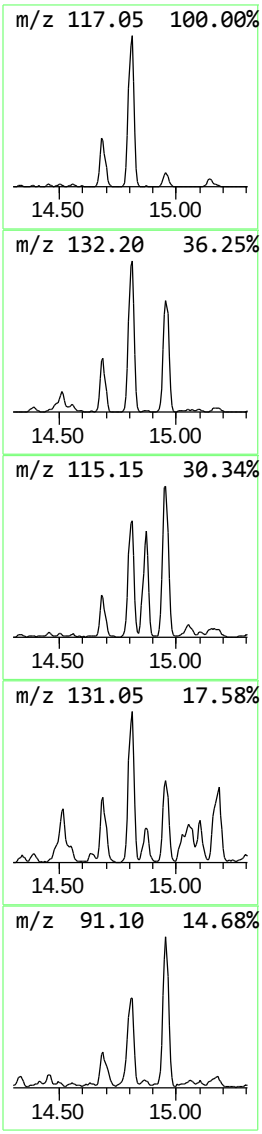
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	18.82 ug/L	831128	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

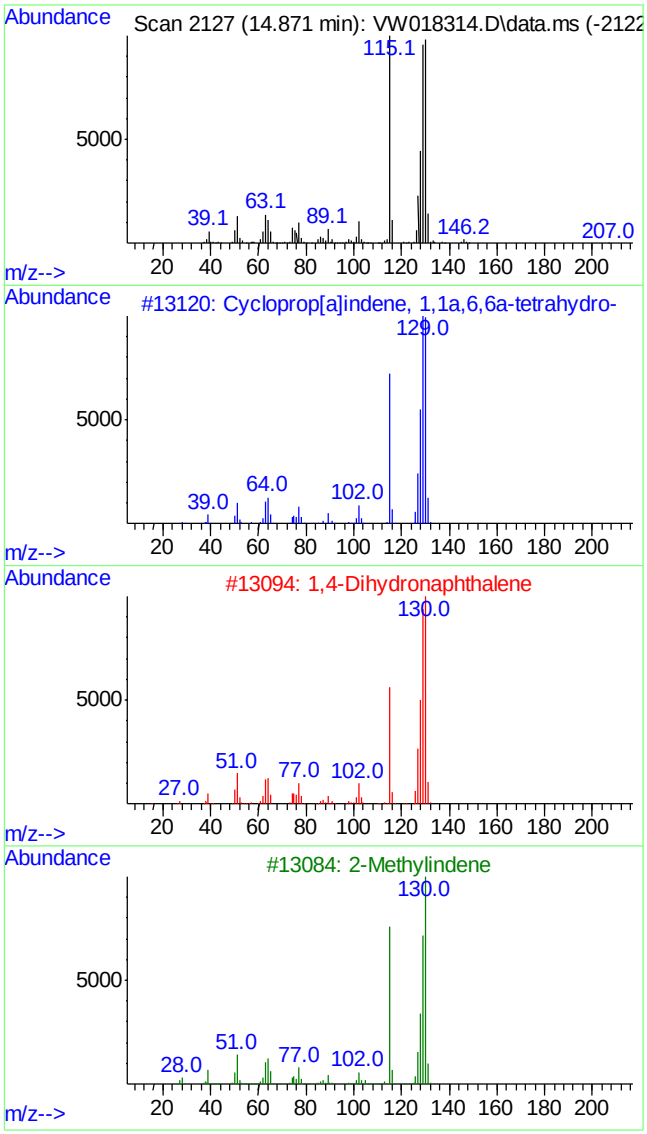
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

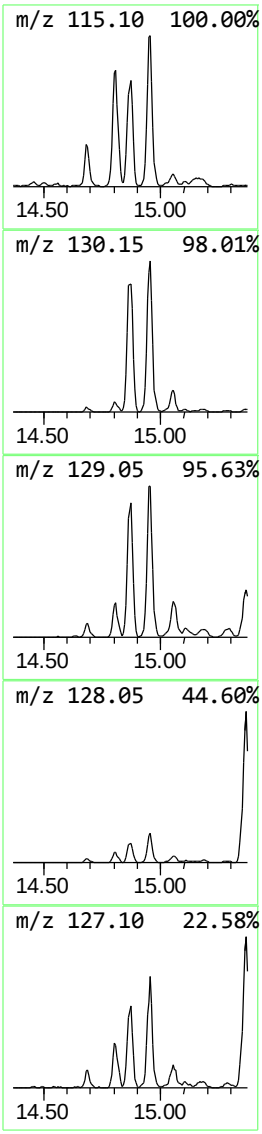
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.871	7.40 ug/L	326698	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

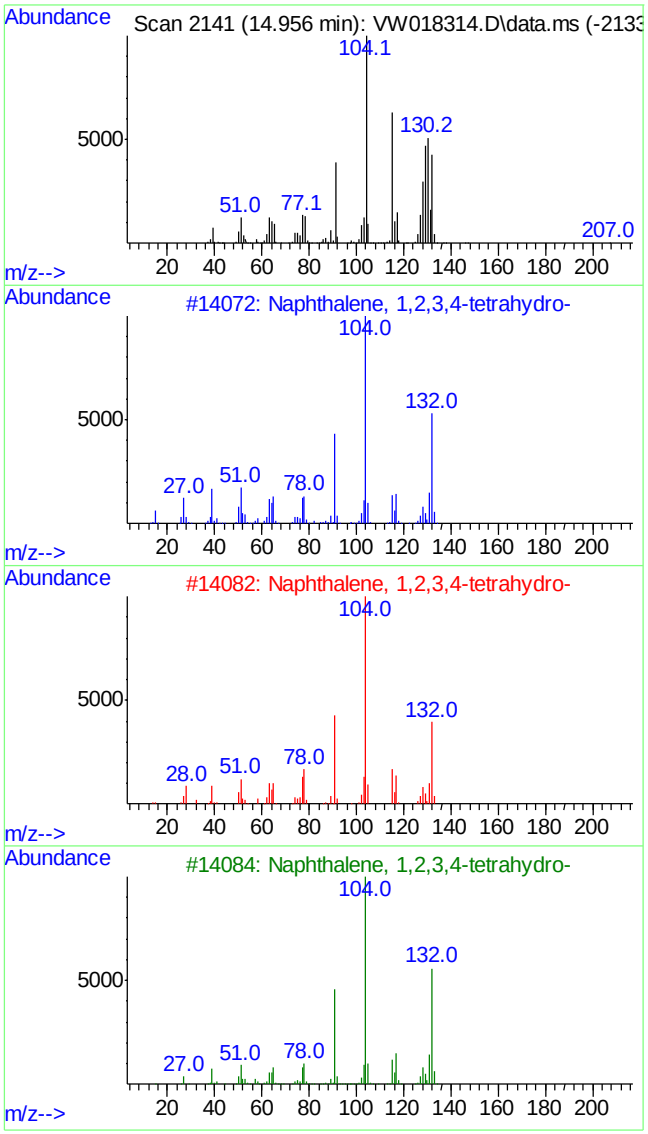
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

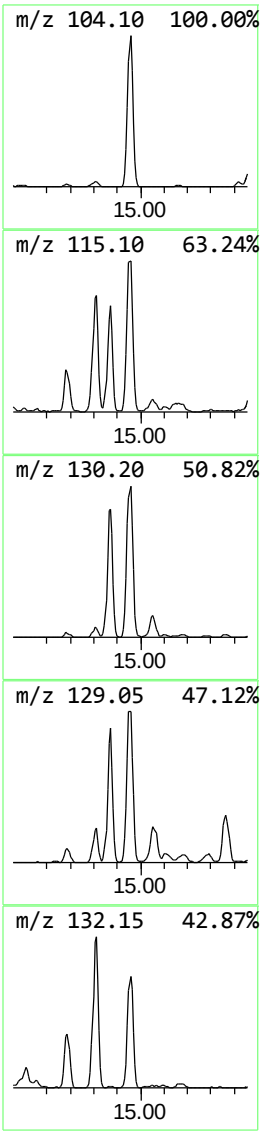
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	19.18 ug/L	847195	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	84
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG569

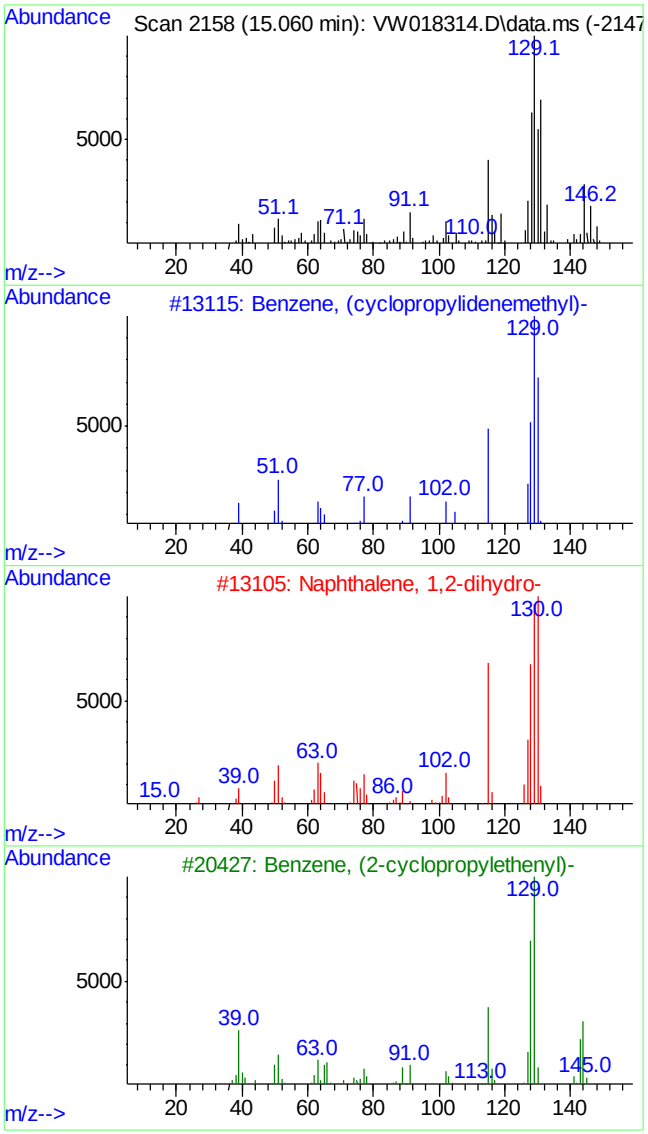
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

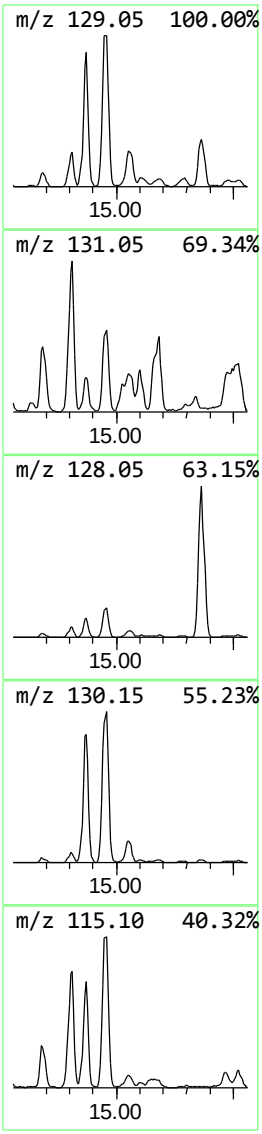
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, (cyclopropylidenem... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	3.18 ug/L	140636	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (cyclopropylidenemethyl)-	130	C10H10	007555-67-1	90
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	83
3	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	64
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	60
5	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

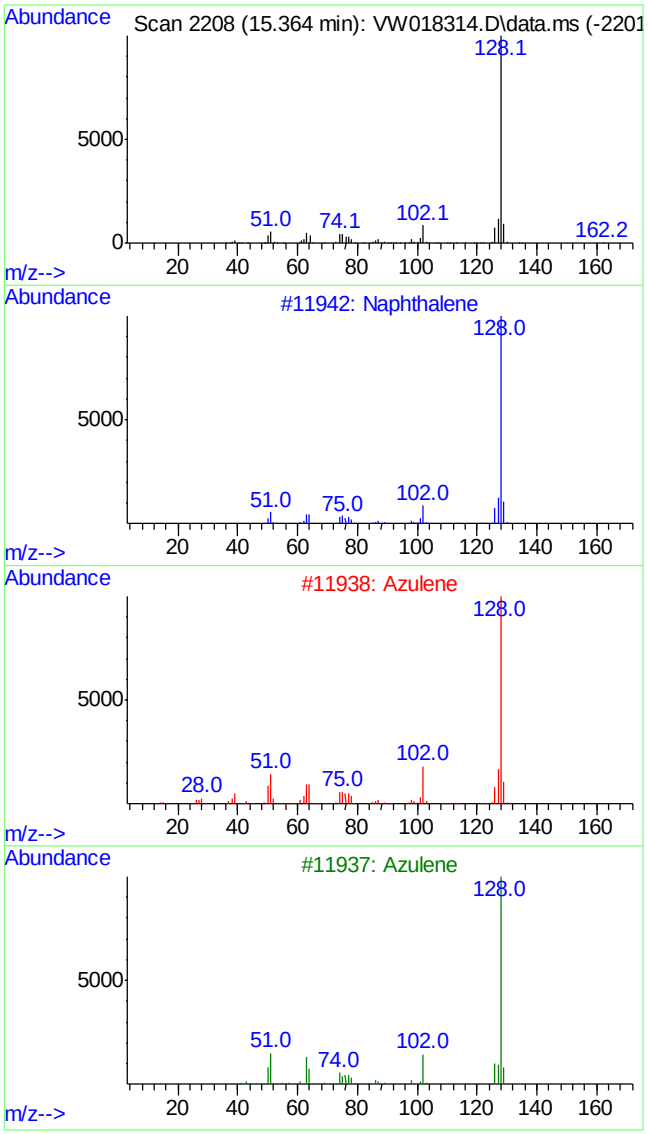
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

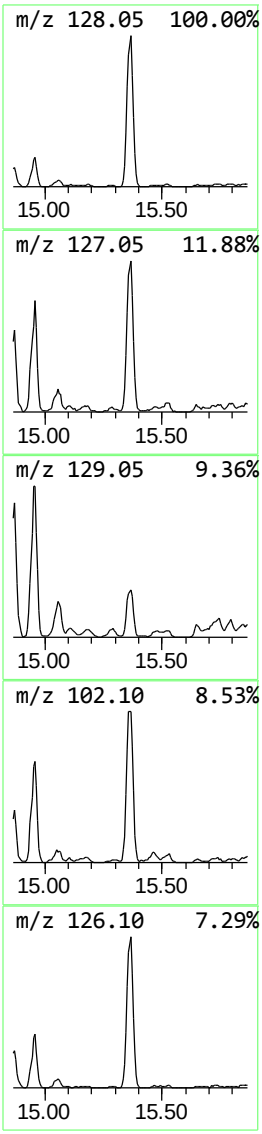
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Azulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	9.98 ug/L	440692	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Azulene	128	C10H8	000275-51-4	91
4	Naphthalene	128	C10H8	000091-20-3	90
5	Naphthalene	128	C10H8	000091-20-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

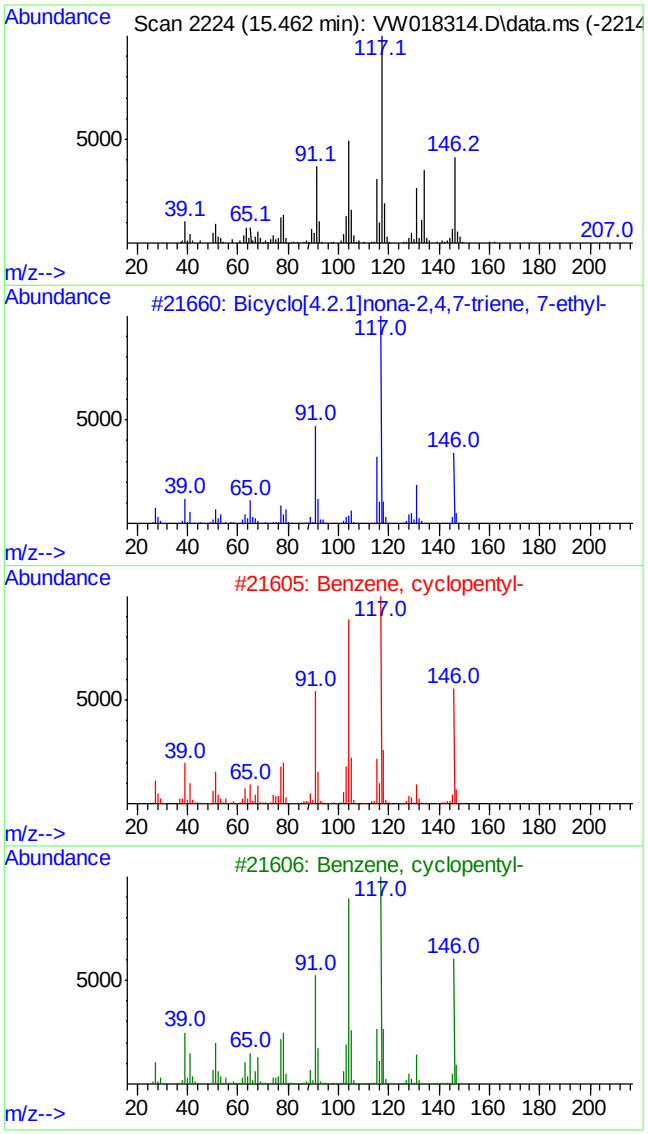
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

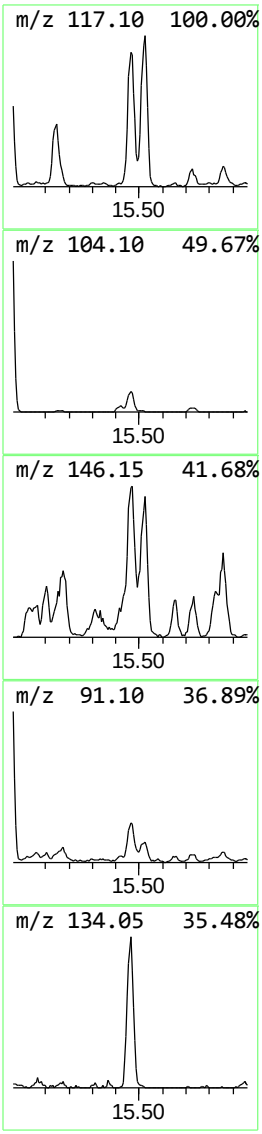
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Bicyclo[4.2.1]nona-2,4,7-tr... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	4.82 ug/L	212659	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	64
2	Benzene, cyclopentyl-	146	C11H14	000700-88-9	64
3	Benzene, cyclopentyl-	146	C11H14	000700-88-9	64
4	Benzene, cyclopentyl-	146	C11H14	000700-88-9	49
5	3-Phenyl-4-ethyl-1-bora-2-oxa-1-...	202	C13H19BO	1000062-26-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

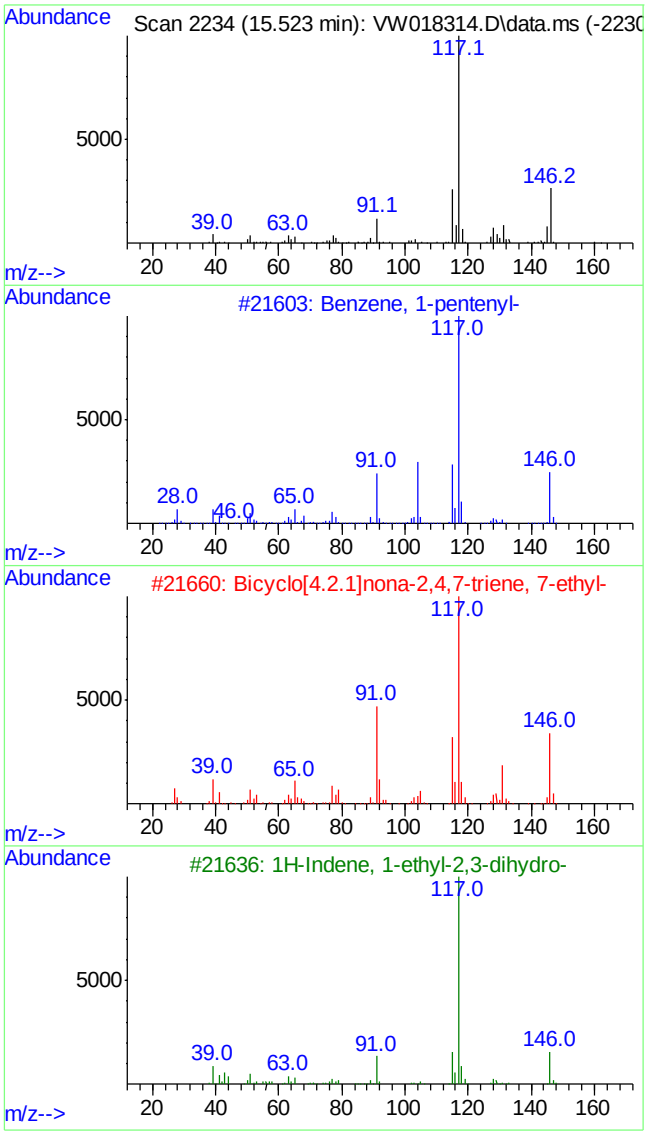
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

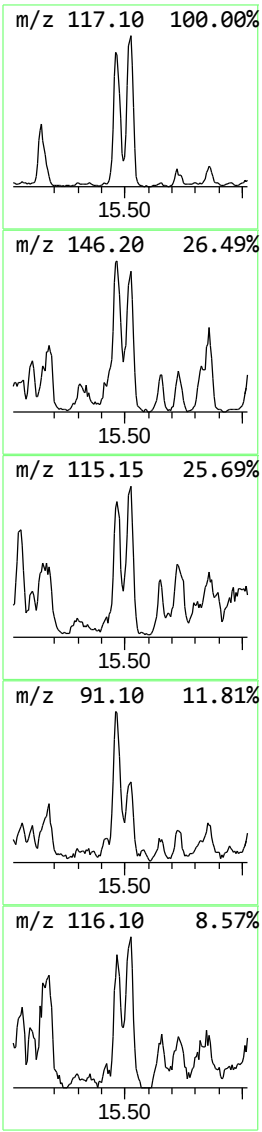
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1-pentenyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.523	3.28 ug/L	144711	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	72
2	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	72
3	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	64
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

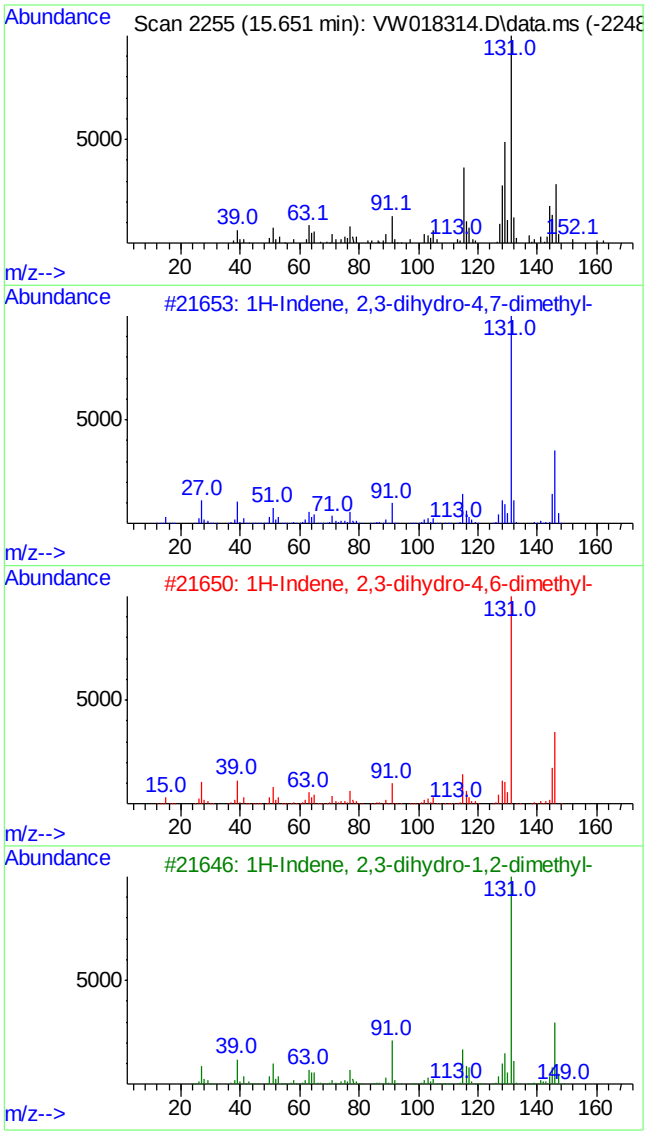
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

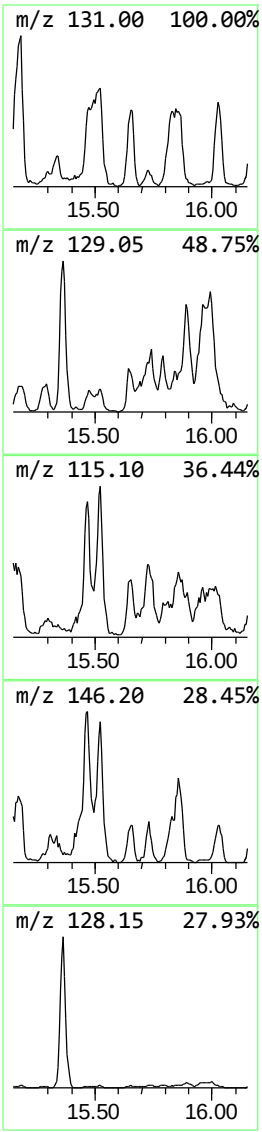
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	1.40 ug/L	61770	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	53
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	52
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	52
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

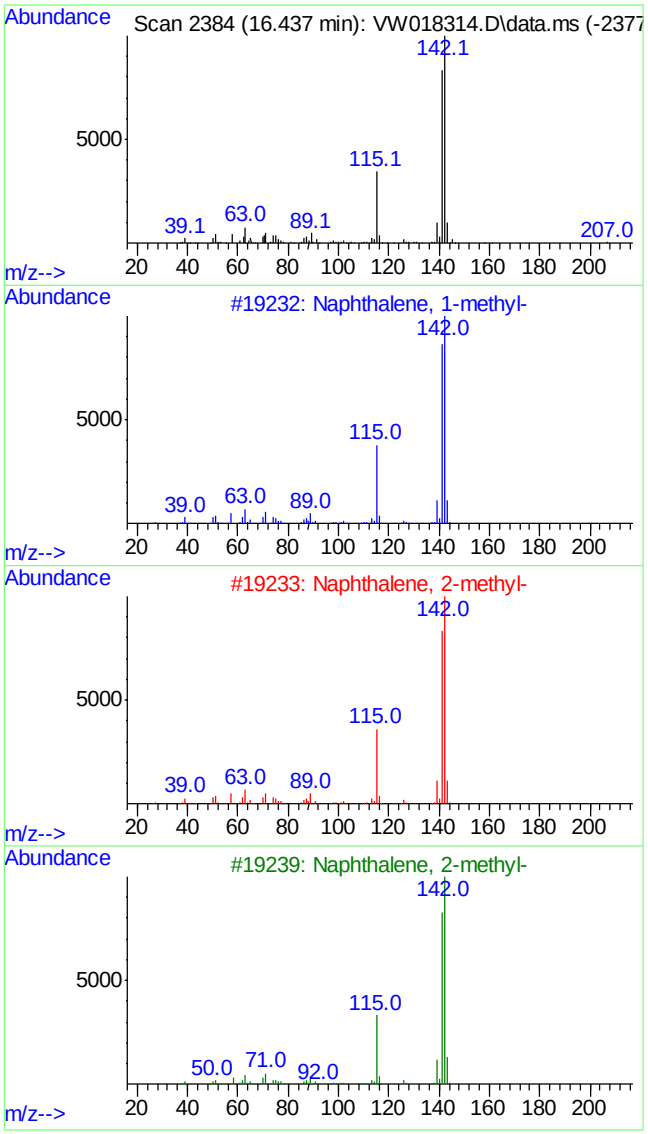
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

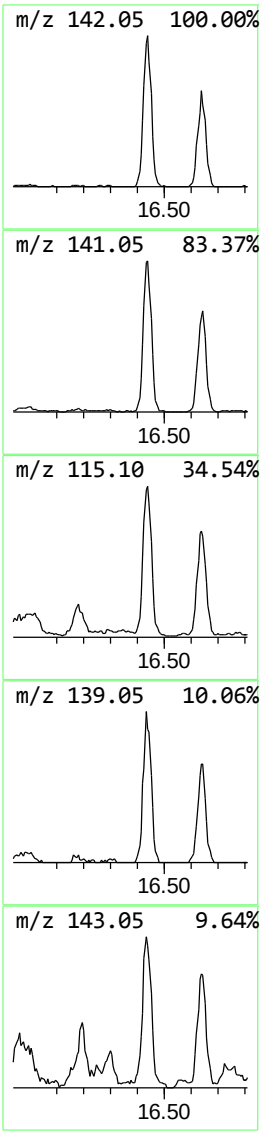
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 1,4-Methanonaphthalene, 1,4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	6.45 ug/L	284921	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG569

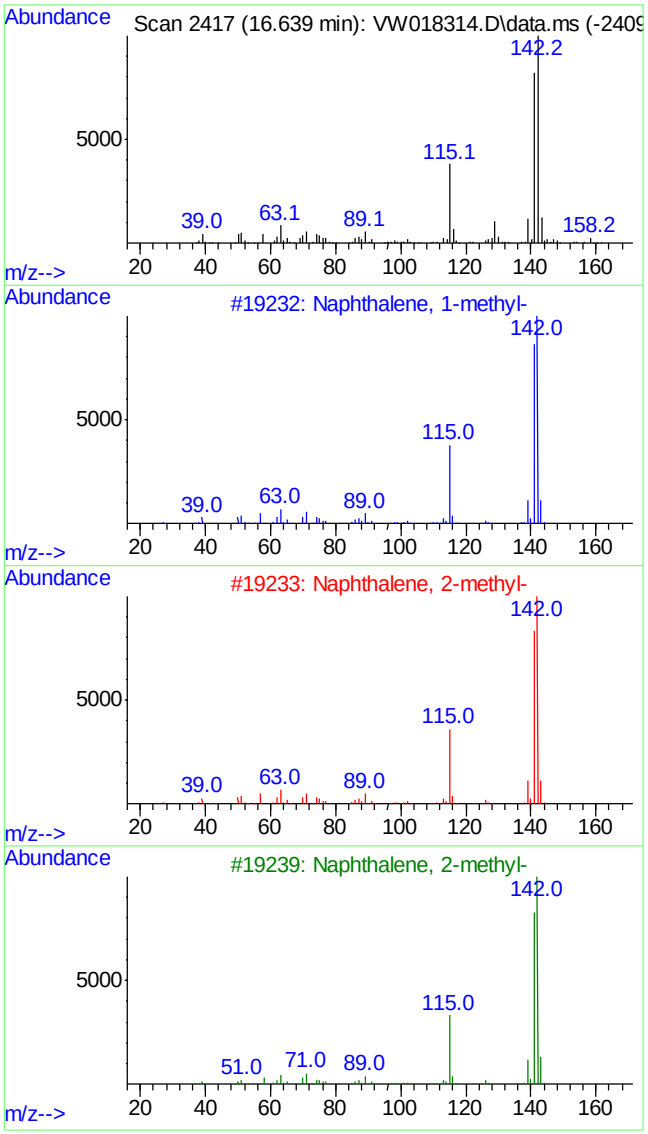
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

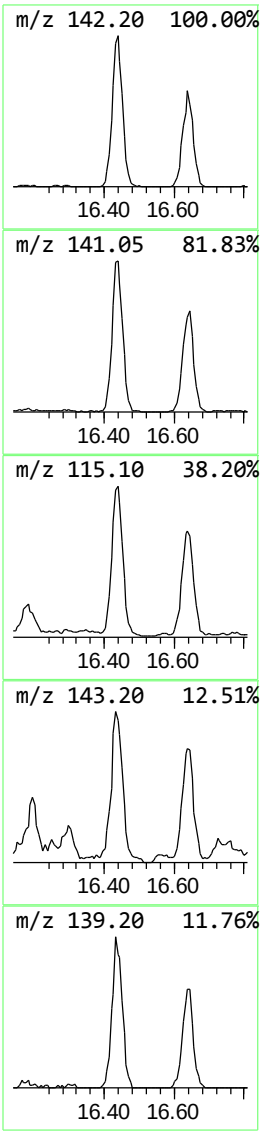
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	4.60 ug/L	203162	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018314.D
Acq On : 12 Mar 2021 13:03
Operator : SY/VA
Sample : M1610-20
Misc : 6.49G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG569

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.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...	1.958	2.3	ug/L	74062	1	8.841	795074	25.0
(DEL) Alkane: C...	3.306	3.6	ug/L	114122	1	8.841	795074	25.0
(DEL) Alkane: S...	3.592	5.8	ug/L	183014	1	8.841	795074	25.0
(DEL) Alkane: C...	3.757	6.6	ug/L	210230	1	8.841	795074	25.0
(DEL) Alkane: S...	3.854	2.6	ug/L	81625	1	8.841	795074	25.0
1-Buten-3-yne, ...	4.513	115.5	ug/L	3671860	1	8.841	795074	25.0
Cyclopentene	4.787	66.3	ug/L	2110110	1	8.841	795074	25.0
Butanal	6.896	14.2	ug/L	451034	1	8.841	795074	25.0
Ethylidenecyclo...	8.457	3.6	ug/L	113913	1	8.841	795074	25.0
Thiophene	8.561	16.4	ug/L	520343	1	8.841	795074	25.0
Pentanal	9.408	3.5	ug/L	112957	1	8.841	795074	25.0
Thiophene, 3-me...	10.493	14.7	ug/L	532960	2	11.633	908632	25.0
Pentanenitrile	11.097	3.7	ug/L	134699	2	11.633	908632	25.0
Cyclopentanone	11.182	11.6	ug/L	423019	2	11.633	908632	25.0
1,5-Hexadiene, ...	12.237	9.1	ug/L	329626	2	11.633	908632	25.0
Spiro[3.3]hepta...	12.377	24.3	ug/L	881684	2	11.633	908632	25.0
unknown-01	12.517	3.5	ug/L	126029	2	11.633	908632	25.0
Benzene, 1-ethy...	12.865	4.7	ug/L	206458	3	13.554	1104040	25.0
2,4-Hexadieneni...	12.908	4.8	ug/L	209985	3	13.554	1104040	25.0
Benzene, 1-ethy...	13.103	4.0	ug/L	178462	3	13.554	1104040	25.0
Benzene, 1,2,3-...	13.249	8.5	ug/L	376831	3	13.554	1104040	25.0
Indane	13.755	16.8	ug/L	742747	3	13.554	1104040	25.0
Indene	13.938	9.7	ug/L	427465	3	13.554	1104040	25.0
Indan, 1-methyl-	14.206	5.2	ug/L	231296	3	13.554	1104040	25.0
Benzene, 2-ethe...	14.682	6.2	ug/L	271812	3	13.554	1104040	25.0
Benzene, 1-ethe...	14.804	18.8	ug/L	831128	3	13.554	1104040	25.0
Cycloprop[a]ind...	14.871	7.4	ug/L	326698	3	13.554	1104040	25.0
Naphthalene, 1,...	14.956	19.2	ug/L	847195	3	13.554	1104040	25.0
Benzene, (cyclo...	15.060	3.2	ug/L	140636	3	13.554	1104040	25.0
Azulene	15.365	10.0	ug/L	440692	3	13.554	1104040	25.0
Bicyclo[4.2.1]n...	15.462	4.8	ug/L	212659	3	13.554	1104040	25.0
Benzene, 1-pent...	15.523	3.3	ug/L	144711	3	13.554	1104040	25.0
1H-Indene, 2,3-...	15.651	1.4	ug/L	61770	3	13.554	1104040	25.0
1,4-Methanonaph...	16.438	6.5	ug/L	284921	3	13.554	1104040	25.0
Naphthalene, 1-...	16.639	4.6	ug/L	203162	3	13.554	1104040	25.0