LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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: VW018316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	5	9	28	rVB3	21923	43944	2.38%	0.310%
2	2.221	47	52	60	rVB	8439	13923	0.76%	0.098%
3	2.361	64	75	87	rBV	75307	165600	8.99%	1.166%
4	2.507	93	99	109	rBV	98637	257175	13.96%	1.811%
5	2.898	156	163	180	rVV	46014	120391	6.53%	0.848%
6	3.422	238	249	258	rVB3	2105	6373	0.35%	0.045%
7	3.593	269	277	287	rVB2	4474	11218	0.61%	0.079%
8	3.739	290	301	314	rBV	31382	99815	5.42%	0.703%
9	3.861	314	321	332	rVB2	7628	20315	1.10%	0.143%
10	4.025	332	348	359	rBV2	140167	453075	24.59%	3.191%
11	4.135	359	366	374	rVV	52046	155391	8.43%	1.095%
12	4.214	376	379	390	rVB	11590	24316	1.32%	0.171%
13	4.397	399	409	415	rBV2	3919	12926	0.70%	0.091%
14	4.519	422	429	437	rVB4	4753	13294	0.72%	0.094%
15	4.623	437	446	455	rVV4	4452	15230	0.83%	0.107%
16	4.800	464	475	485	rVV2	5942	19571	1.06%	0.138%
17	4.928	487	496	512	rVV5	5197	19185	1.04%	0.135%
18	5.787	626	637	652	rVV	44497	143325	7.78%	1.010%
19	6.610	760	772	784	rVV2	35150	102771	5.58%	0.724%
20	6.903	810	820	829	rBV2	9415	26735	1.45%	0.188%
21	6.994	829	835	842	rVV4	5823	15421	0.84%	0.109%
22	7.086	842	850	857	rVV	16034	46323	2.51%	0.326%
23	7.177	857	865	877	rVV	31375	88068	4.78%	0.620%
24	7.653	933	943	962	rVB	182338	456164	24.75%	3.213%
25	8.281	1032	1046	1050	rBV	325976	866182	47.00%	6.101%
26	8.561	1081	1092	1106	rBV3	185761	446618	24.24%	3.146%
27	8.714	1109	1117	1126	rVV2	55553	122480	6.65%	0.863%
28	8.842	1130	1138	1150	rVV	366797	721299	39.14%	5.081%
29	9.092	1166	1179	1185	rVV2	75845	158558	8.60%	1.117%
30	9.146	1185	1188	1196	rVB	12678	22292	1.21%	0.157%
31	9.274	1200	1209	1223	rBV	213723	435696	23.64%	3.069%
32	9.409	1223	1231	1240	rVV6	7434	21367	1.16%	0.151%
33	9.848	1298	1303	1310	rVV3	3928	8617	0.47%	0.061%
34	10.036	1324	1334	1342	rVV	113188	202014	10.96%	1.423%
35	10.207	1354	1362	1367	rBV3	5875	10743	0.58%	0.076%
36	10.323	1373	1381	1387	rBV	501655	883367	47.94%	6.222%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

37	10.390	1387	1392	1402	rVV	241621	433155	23.51%	3.051%
38	10.494	1402	1409	1416	rVV	106316	193786	10.52%	1.365%
39	10.579	1416	1423	1428	rVV	74035	124744	6.77%	0.879%
40	10.646	1428	1434	1439	rVV	111693	193419	10.50%	1.362%
41	10.701	1439	1443	1448	rVV2	14420	21932	1.19%	0.154%
42	10.860	1461	1469	1476	rBV	1039660	1842818	100.00%	12.980%
43	10.927	1476	1480	1491	rVB	67079	114228	6.20%	0.805%
44	11.073	1498	1504	1514	rBV4	9812	21672	1.18%	0.153%
45	11.634	1586	1596	1607	rBV	477698	822289	44.62%	5.792%
46	11.731	1607	1612	1619	rVV	56216	87445	4.75%	0.616%
47	11.835	1619	1629	1641	rVB2	97970	216926	11.77%	1.528%
48	11.969	1646	1651	1657	rVB2	22834	40000	2.17%	0.282%
49	12.115	1669	1675	1679	rVV	21880	37169	2.02%	0.262%
50	12.170	1679	1684	1692	rVV2	91791	182409	9.90%	1.285%
51	12.347	1704	1713	1722	rBV5	10242	26440	1.43%	0.186%
52	12.463	1726	1732	1736	rBV	4201	7100	0.39%	0.050%
53	12.518	1736	1741	1747	rVB6	3532	7023	0.38%	0.049%
54	12.609	1747	1756	1761	rBV2	20694	35627	1.93%	0.251%
55	12.695	1763	1770	1776	rVB	135365	219276	11.90%	1.545%
56	12.804	1783	1788	1793	rBV	19586	30340	1.65%	0.214%
57	12.865	1793	1798	1807	rVV3	31980	80072	4.35%	0.564%
58	12.938	1807	1810	1816	rVV3	8851	15518	0.84%	0.109%
59	13.030	1821	1825	1830	rVV5	4278	8503	0.46%	0.060%
60	13.103	1831	1837	1847	rVB	28722	56338	3.06%	0.397%
61	13.249	1847	1861	1866	rBV	93986	159807	8.67%	1.126%
62	13.298	1866	1869	1874	rVB3	15160	24198	1.31%	0.170%
63	13.396	1880	1885	1889	rVB7	4983	7868	0.43%	0.055%
64	13.475	1889	1898	1905	rBV2	29751	67690	3.67%	0.477%
65	13.554	1905	1911	1921	rVV2	486450	914081	49.60%	6.439%
66	13.627	1921	1923	1933	rVB3	13268	21482	1.17%	0.151%
67	13.719	1933	1938	1939	rBV4	4328	6351	0.34%	0.045%
68	13.755	1939	1944	1949	rVV2	34859	57232	3.11%	0.403%
69	13.853	1952	1960	1969	rVB	421597	707610	38.40%	4.984%
70	13.938	1969	1974	1981	rVB2	30399	55473	3.01%	0.391%
71	14.011	1981	1986	1988	rBV2	10058	16288	0.88%	0.115%
72	14.042	1988	1991	1993	rVV2	6817	9160	0.50%	0.065%
73	14.097	1997	2000	2004	rVB2	14229	19896	1.08%	0.140%
74	14.158	2004	2010	2013	rBV	7532	12009	0.65%	0.085%
75	14.206	2013	2018	2028	rVB8	14733	34776	1.89%	0.245%
76	14.335	2033	2039	2044	rVB3	19131	34544	1.87%	0.243%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

77	14.420	2044	2053	2055	rBV4	9089	23832	1.29%	0.168%
78	14.456	2055	2059	2062	rBV	13835	18380	1.00%	0.129%
79	14.511	2062	2068	2072	rVB3	19160	38520	2.09%	0.271%
80	14.633	2081	2088	2092	rBV4	7015	12392	0.67%	0.087%
81	14.688	2092	2097	2107	rVB4	15655	46883	2.54%	0.330%
82	14.792	2107	2114	2122	rBV4	59508	132702	7.20%	0.935%
83	14.865	2122	2126	2135	rVB2	21909	40033	2.17%	0.282%
84	14.956	2135	2141	2147	rBV2	26519	46497	2.52%	0.328%
85	15.066	2154	2159	2163	rBV5	14335	27492	1.49%	0.194%
86	15.176	2171	2177	2183	rVB6	13911	29840	1.62%	0.210%
87	15.310	2189	2199	2202	rVV6	10912	26978	1.46%	0.190%
88	15.365	2202	2208	2215	rVB	91765	168332	9.13%	1.186%
89	15.462	2215	2224	2231	rBV3	43329	96974	5.26%	0.683%
90	15.523	2231	2234	2240	rVV6	6300	11950	0.65%	0.084%
91	15.578	2241	2243	2249	rVB4	5546	8374	0.45%	0.059%
92	15.657	2249	2256	2263	rBV8	5733	13348	0.72%	0.094%
93	15.889	2291	2294	2299	rVB3	4772	8213	0.45%	0.058%
94	15.956	2299	2305	2309	rBV6	9016	23760	1.29%	0.167%
95	16.170	2333	2340	2345	rBV6	6479	16465	0.89%	0.116%
96	16.346	2364	2369	2371	rVV6	4109	8491	0.46%	0.060%
97	16.365	2371	2372	2377	rVV4	5254	6837	0.37%	0.048%
98	16.438	2377	2384	2399	rVB	39725	106279	5.77%	0.749%
99	16.572	2399	2406	2410	rBV6	7529	17031	0.92%	0.120%
100	16.639	2410	2417	2428	rVB3	28140	70934	3.85%	0.500%

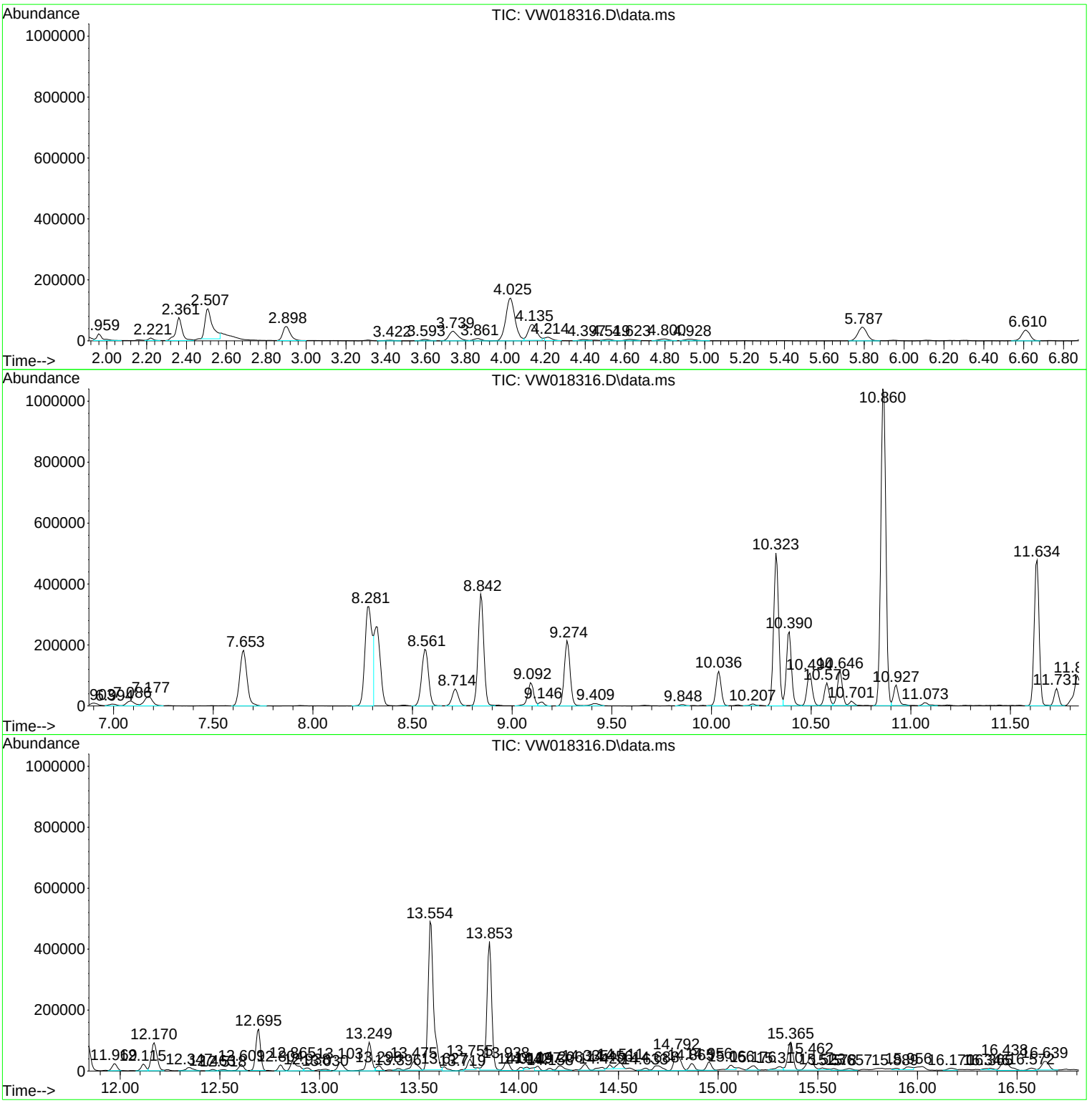
Sum of corrected areas: 14197013

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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 : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

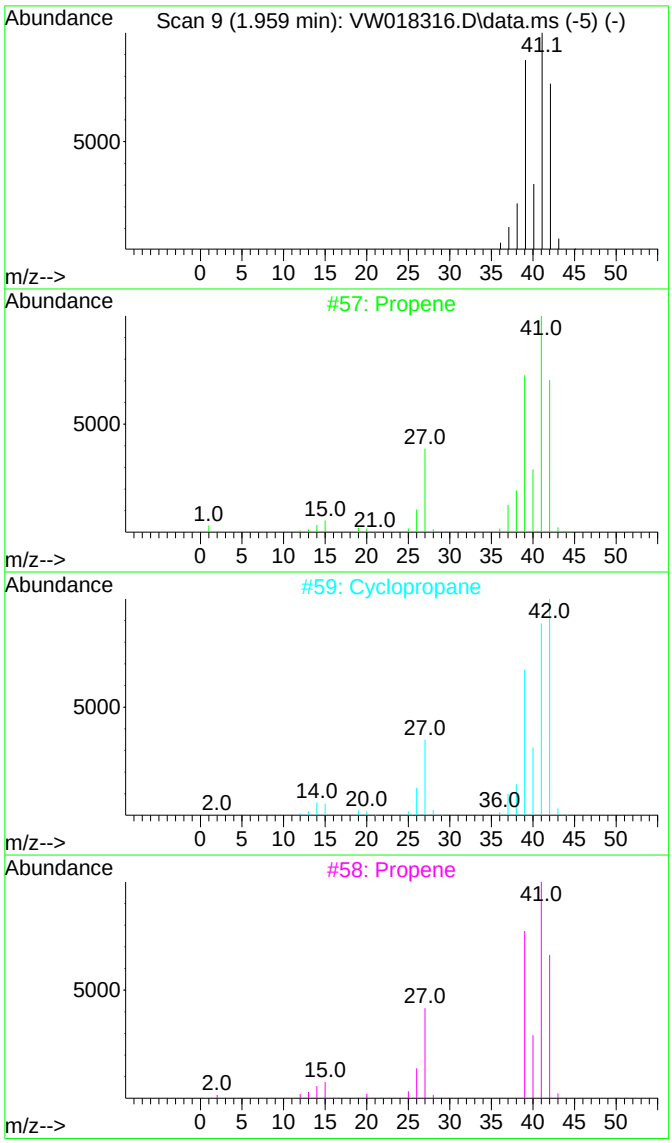
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

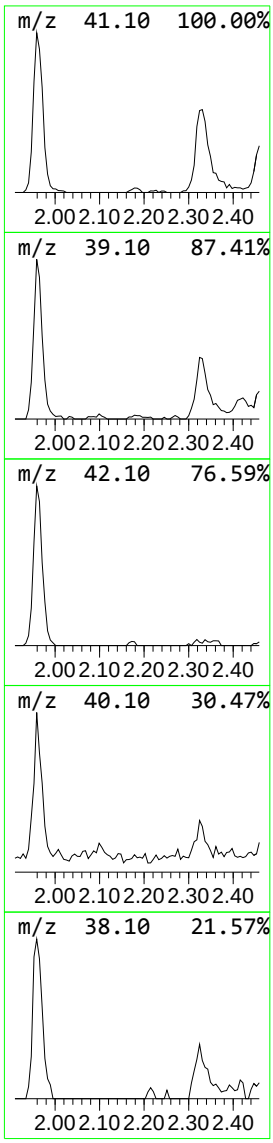
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.959	1.52 ug/L	43944	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropane	42	C3H6	000075-19-4	72
3	Propene	42	C3H6	000115-07-1	45
4	Cyclopropane	42	C3H6	000075-19-4	22
5	Cyclopropene	40	C3H4	002781-85-3	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

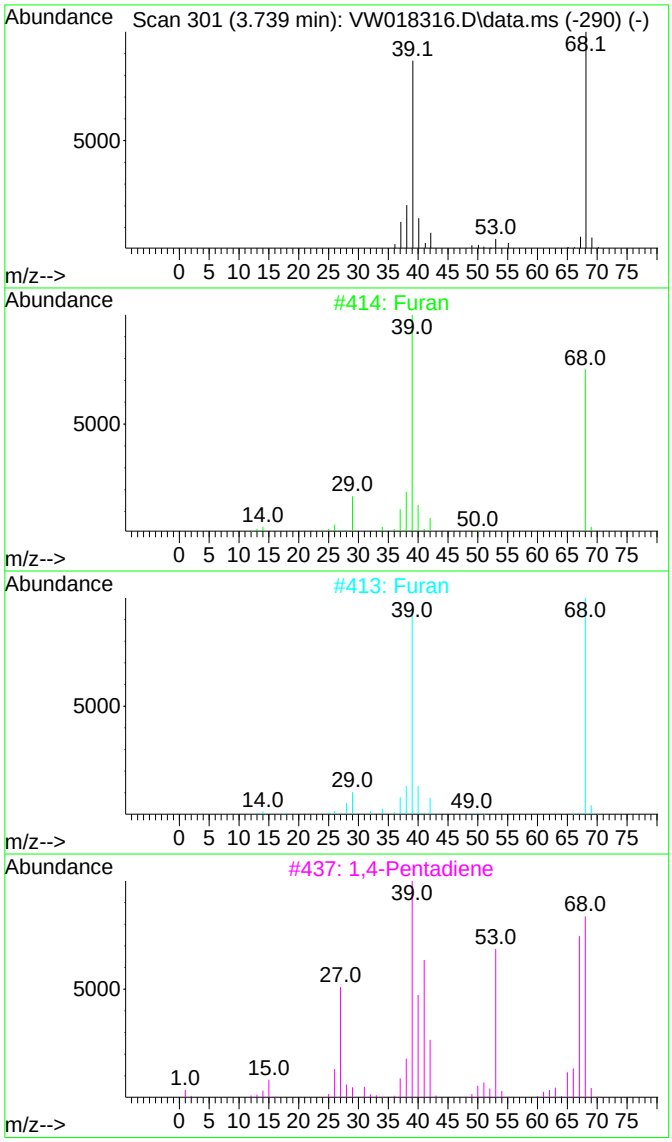
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

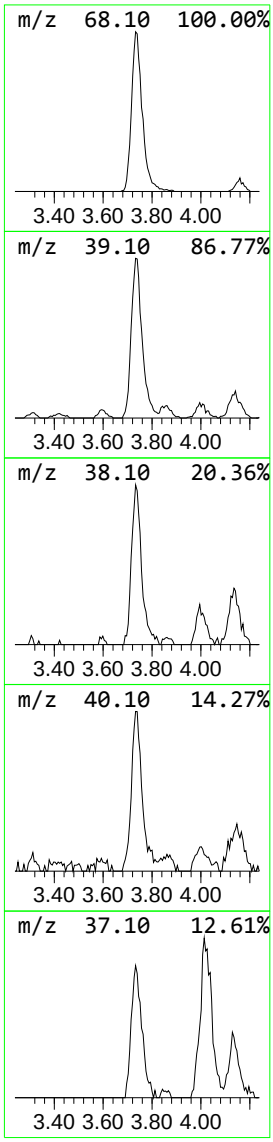
****

Peak Number 3 Furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.739	3.46 ug/L	99815	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan	68	C4H4O	000110-00-9	90
2	Furan	68	C4H4O	000110-00-9	72
3	1,4-Pentadiene	68	C5H8	000591-93-5	64
4	1,2-Butadiene, 3-methyl-	68	C5H8	000598-25-4	64
5	1H-Pyrazole	68	C3H4N2	000288-13-1	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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

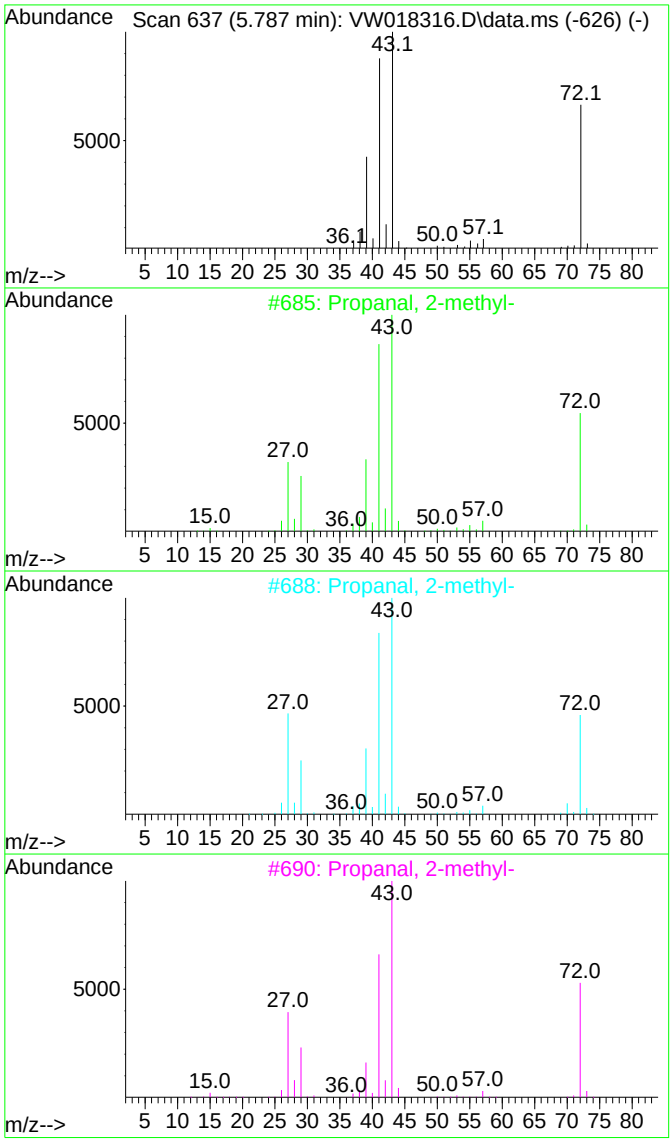
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

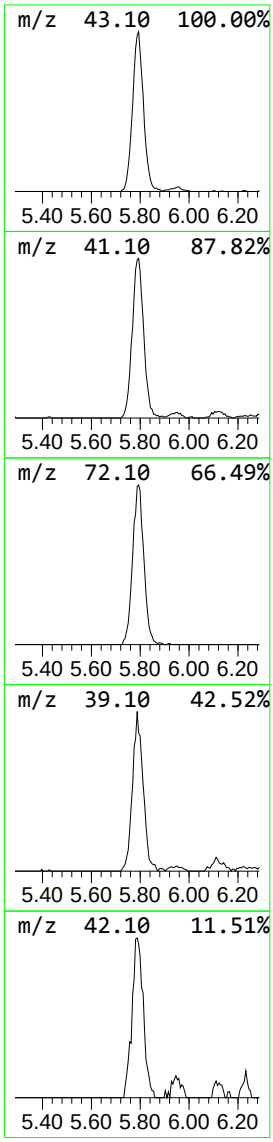
****

Peak Number 4 Propanal, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.787	4.97 ug/L	143325	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	68
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	64
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	47
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	40
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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

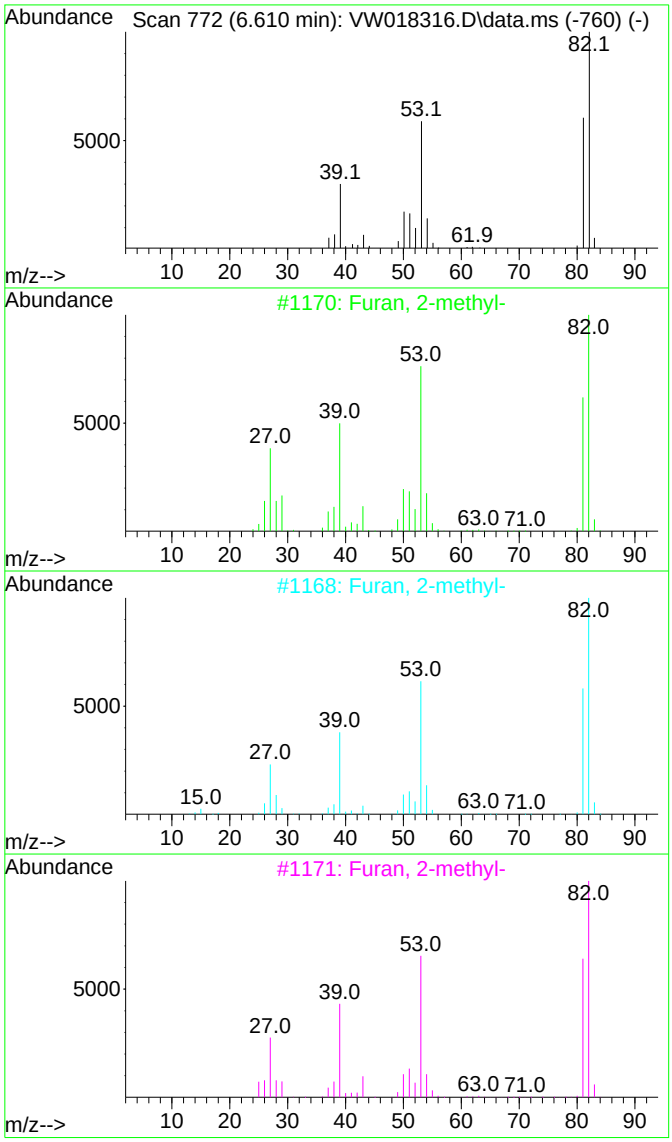
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

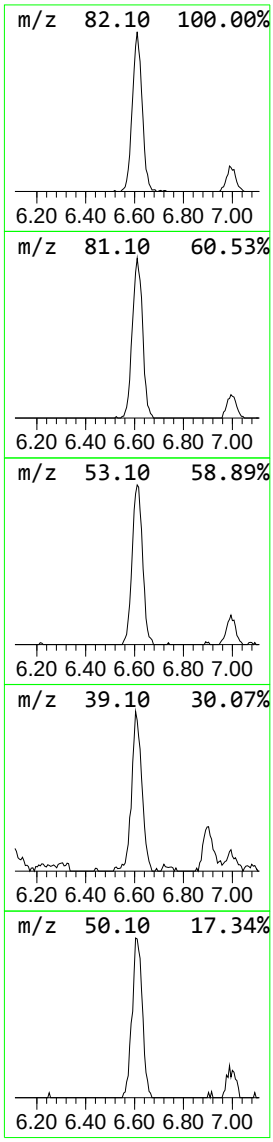
****

Peak Number 5 Furan, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.610	3.56 ug/L	102771	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-methyl-	82	C5H6O	000534-22-5	91
2	Furan, 2-methyl-	82	C5H6O	000534-22-5	91
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	91
4	Furan, 3-methyl-	82	C5H6O	000930-27-8	90
5	Furan, 2-methyl-	82	C5H6O	000534-22-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

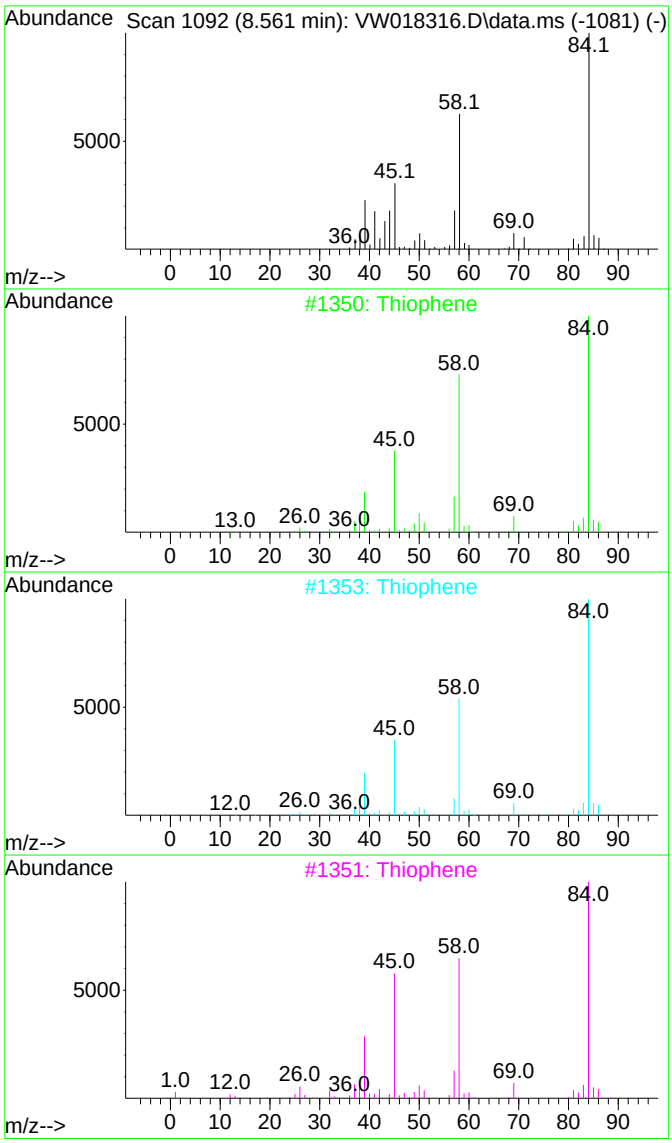
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

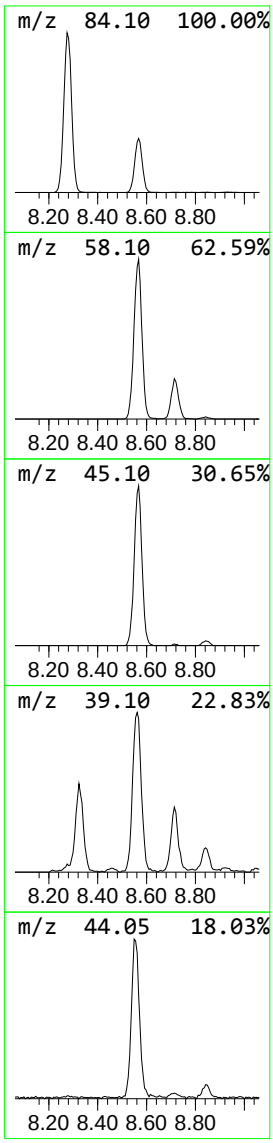
****

Peak Number 6 Thiophene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.561	15.48 ug/L	446618	1,4-Difluorobenzene	8.842

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	38





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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

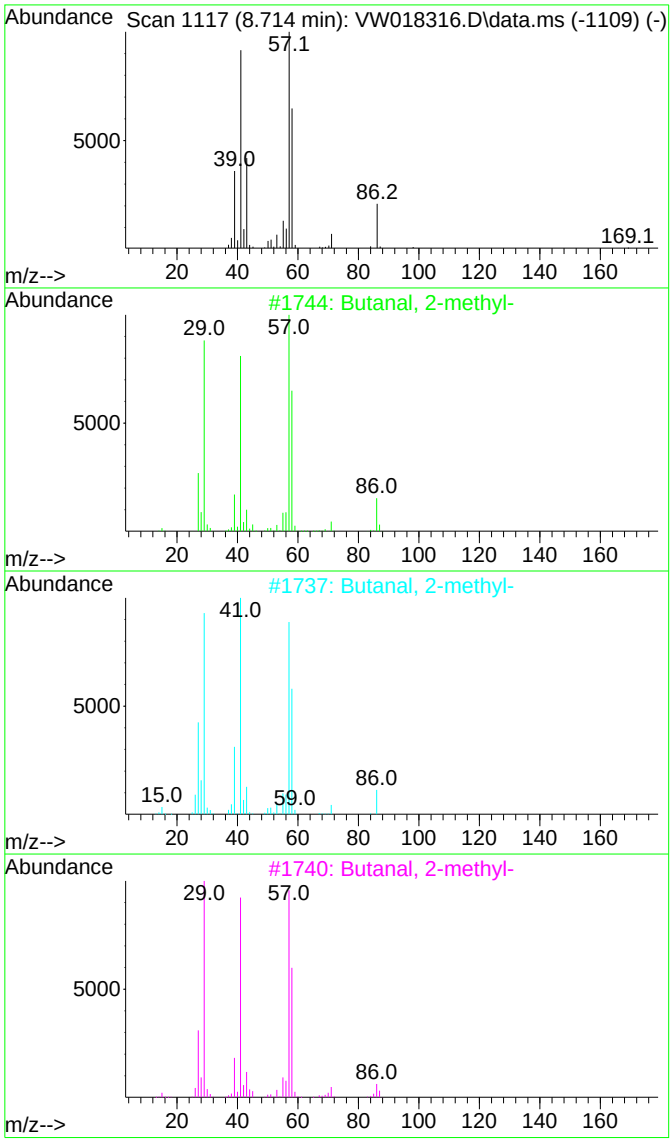
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

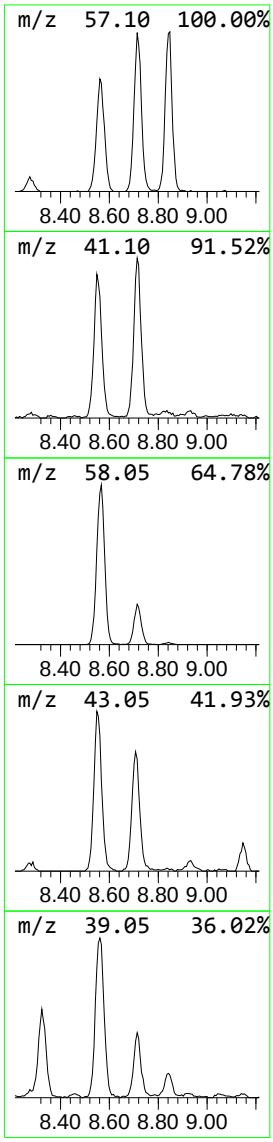
****

Peak Number 7 Butanal, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.714	4.25 ug/L	122480	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, 2-methyl-	86	C5H10O	000096-17-3	86
2	Butanal, 2-methyl-	86	C5H10O	000096-17-3	72
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	50
4	n-Hexane	86	C6H14	000110-54-3	43
5	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	40





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

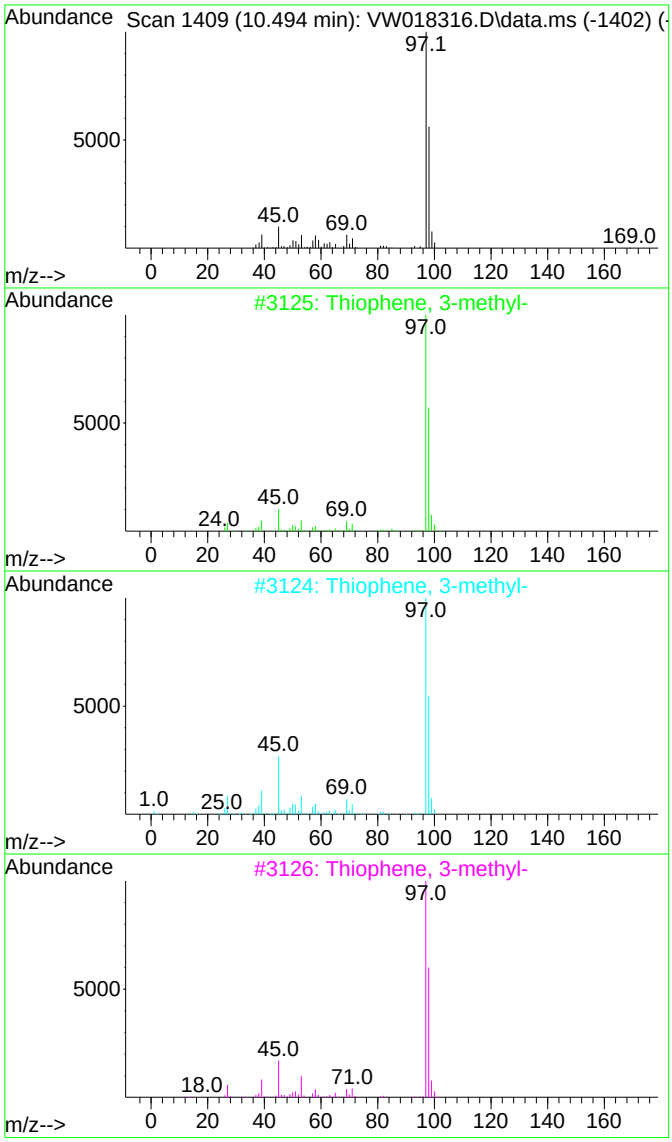
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

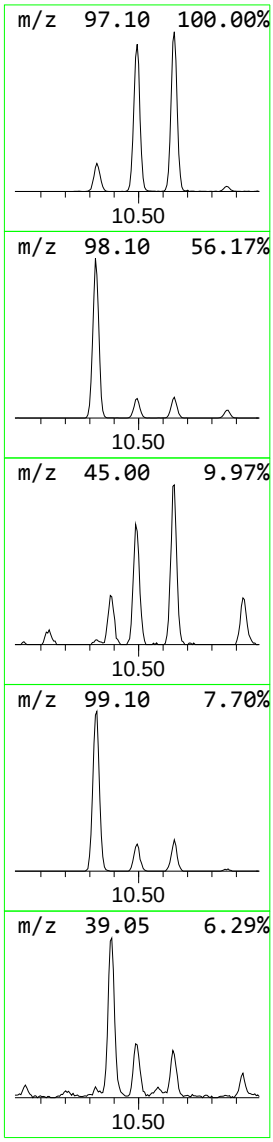
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Thiophene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	5.89 ug/L	193786	Chlorobenzene-d5	11.634

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, 2-methyl-	98	C5H6S	000554-14-3	91





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

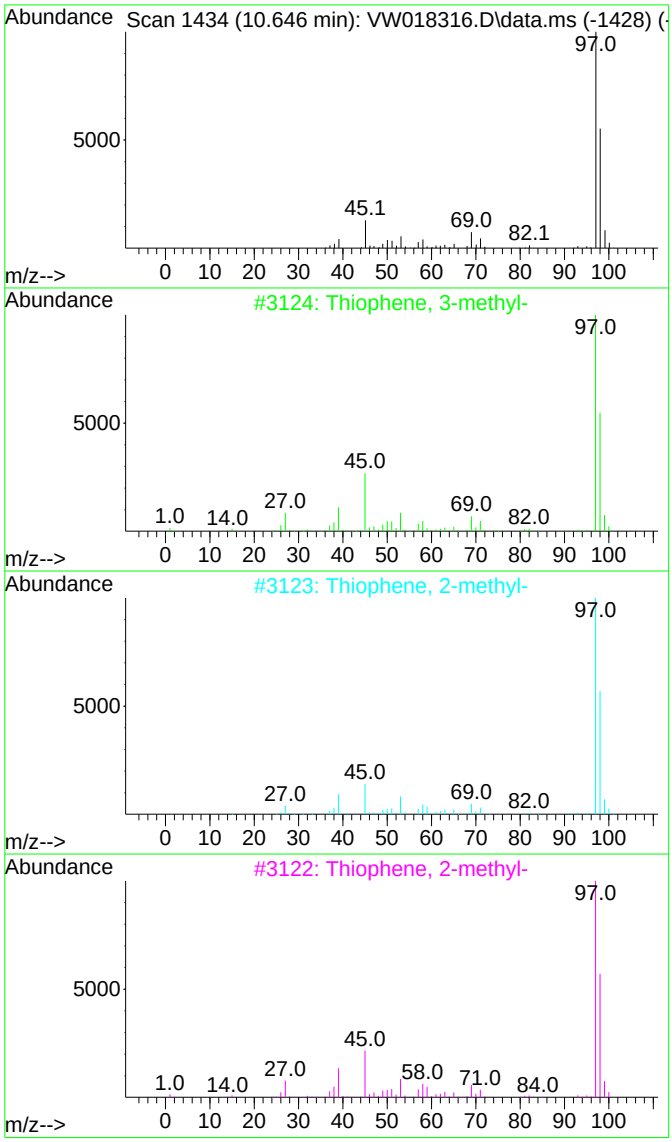
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

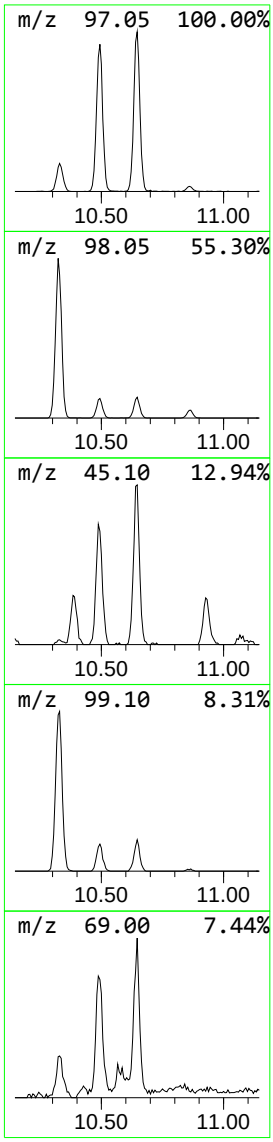
****

Peak Number 10 Thiophene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.646	5.88 ug/L	193419	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

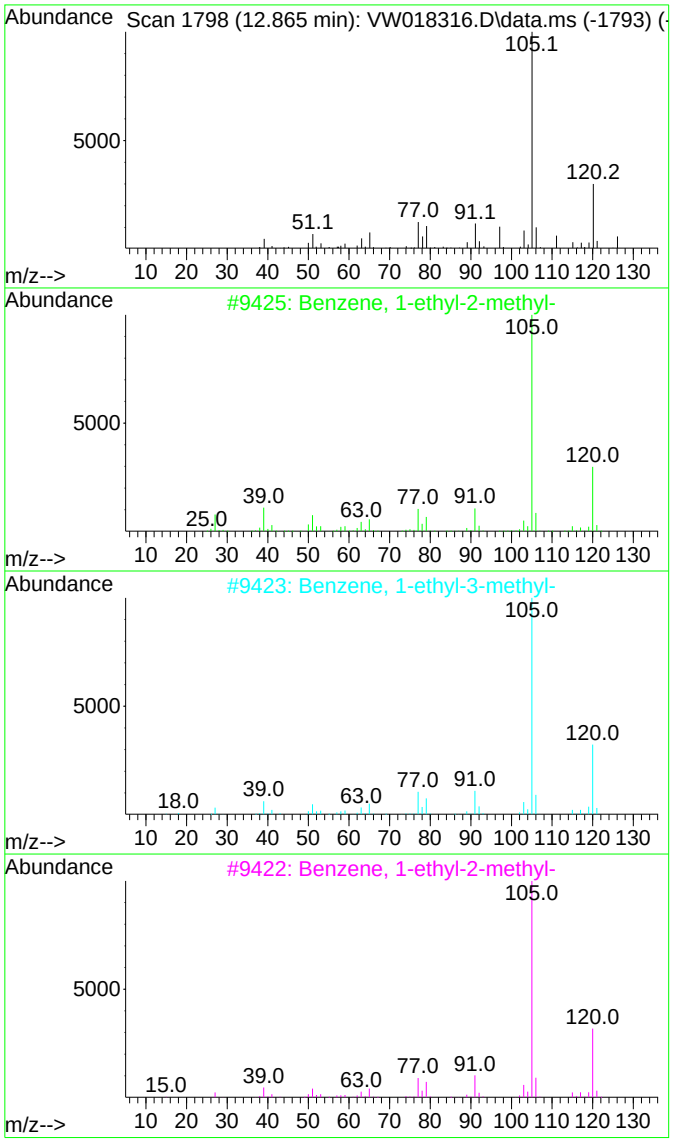
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

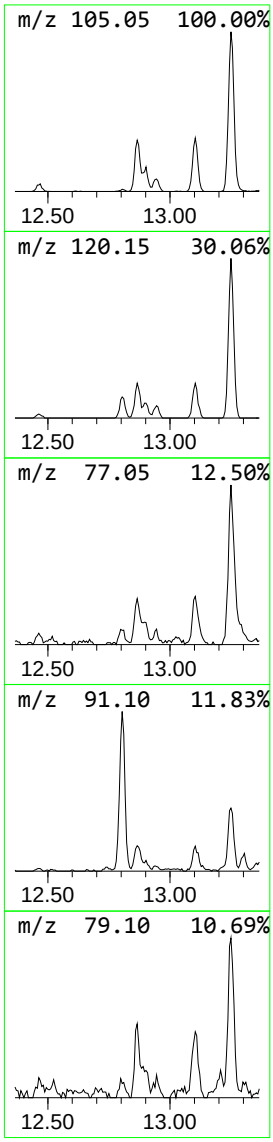
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	2.19 ug/L	80072	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-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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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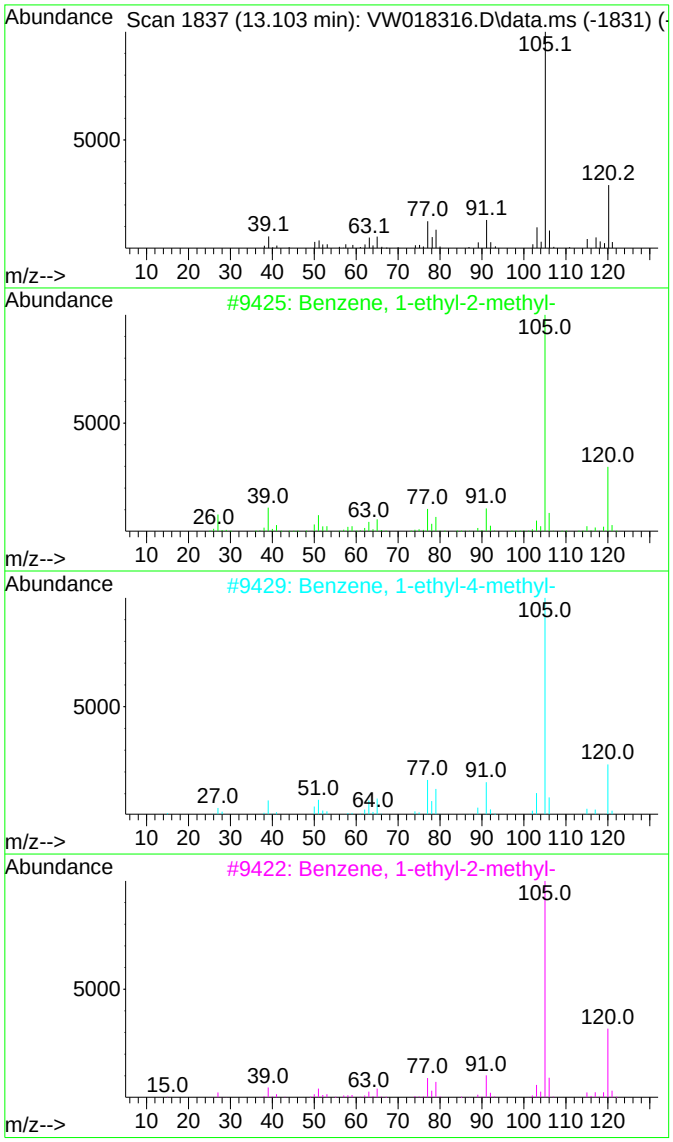
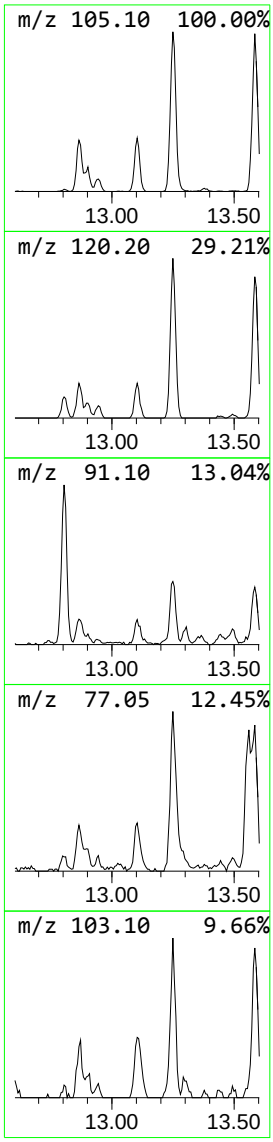
Peak Number 12 Benzene, 1-ethyl-4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	1.54 ug/L	56338	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	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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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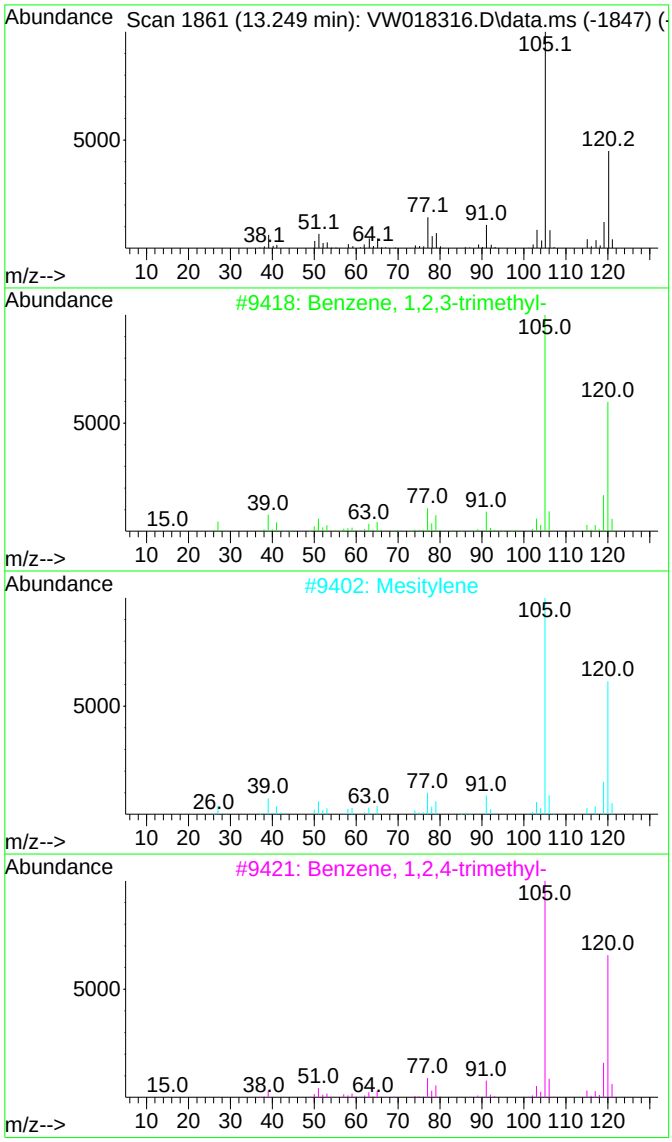
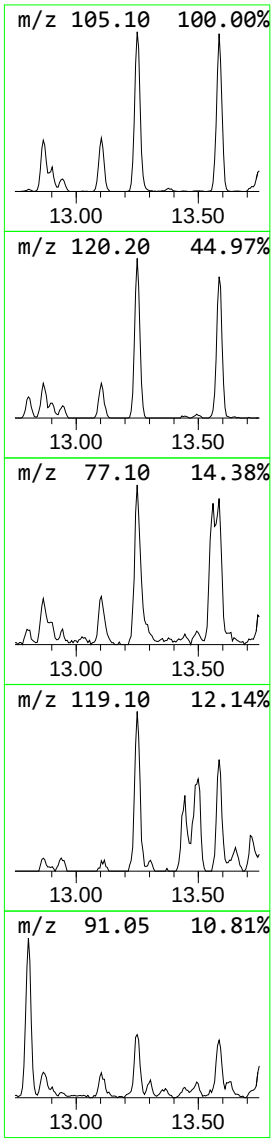
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.249	4.37 ug/L	159807	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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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

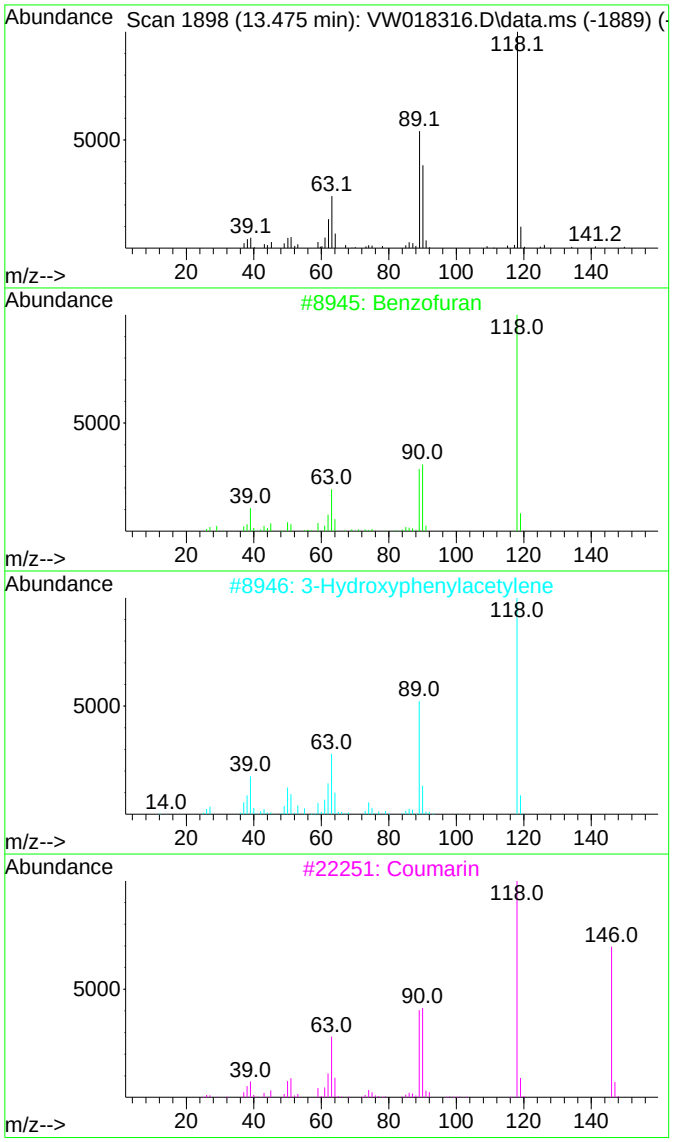
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

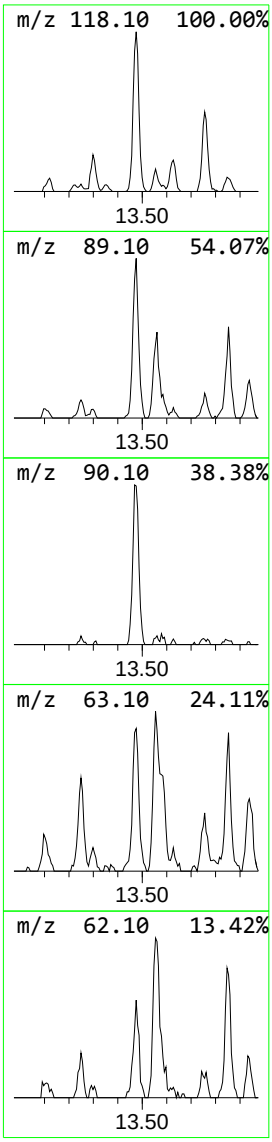
****

Peak Number 14 Benzofuran Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	1.85 ug/L	67690	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
3	Coumarin	146	C9H6O2	000091-64-5	83
4	Coumarin	146	C9H6O2	000091-64-5	72
5	Benzofuran	118	C8H6O	000271-89-6	59





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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

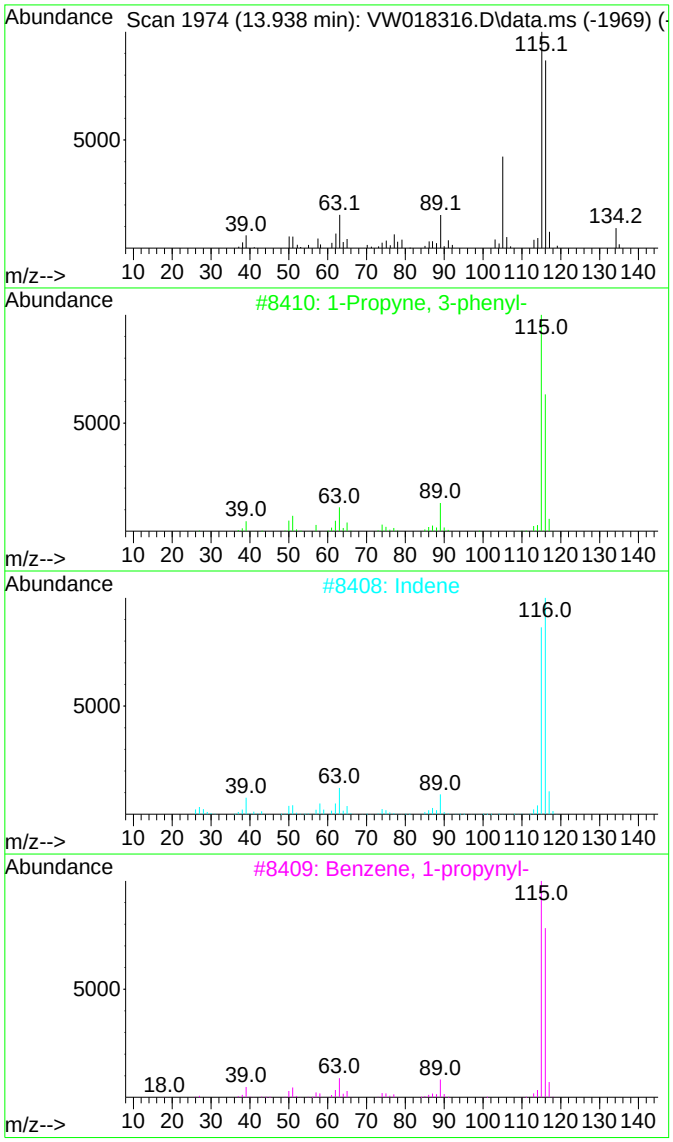
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

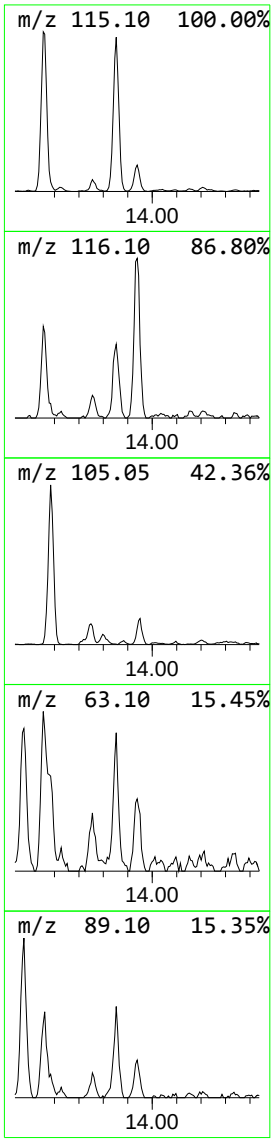
****

Peak Number 16 1-Propyne, 3-phenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	1.52 ug/L	55473	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Indene	116	C9H8	000095-13-6	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	87
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	87





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Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

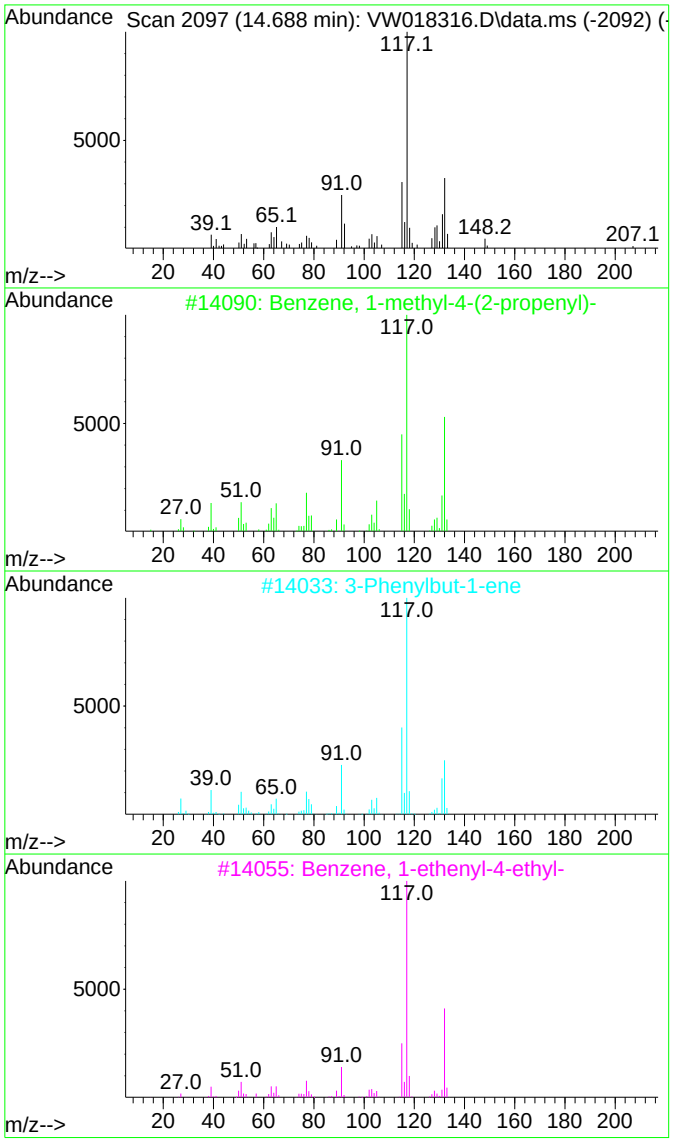
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

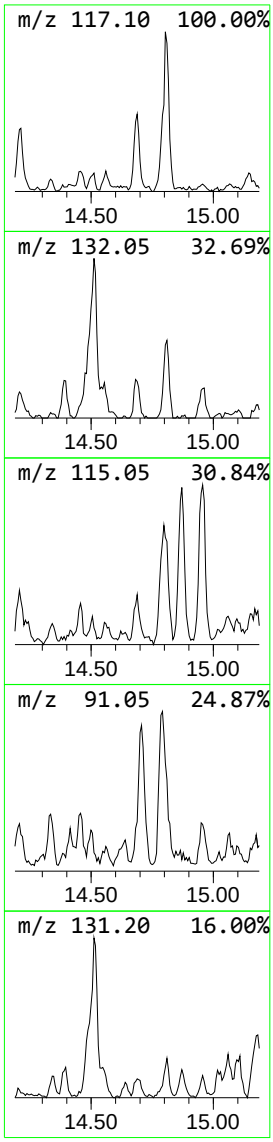
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-4-(2-prop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	1.28 ug/L	46883	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	81





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Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

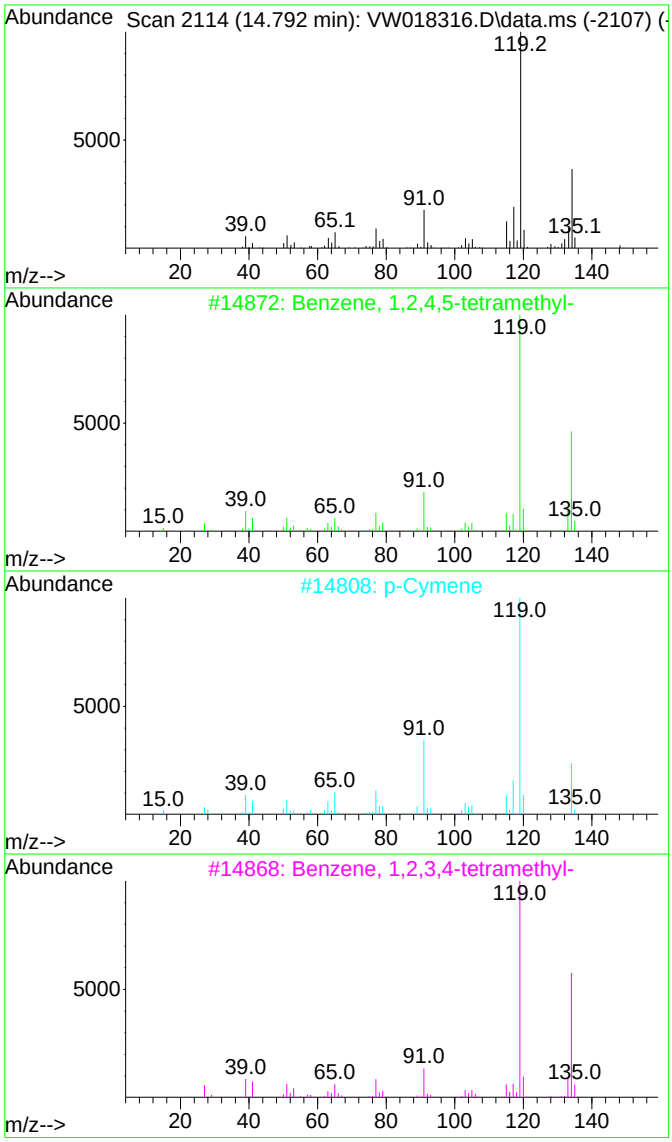
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

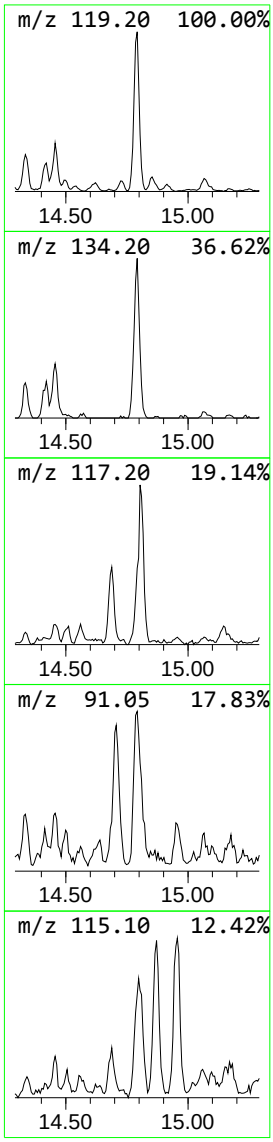
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	3.63 ug/L	132702	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





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Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

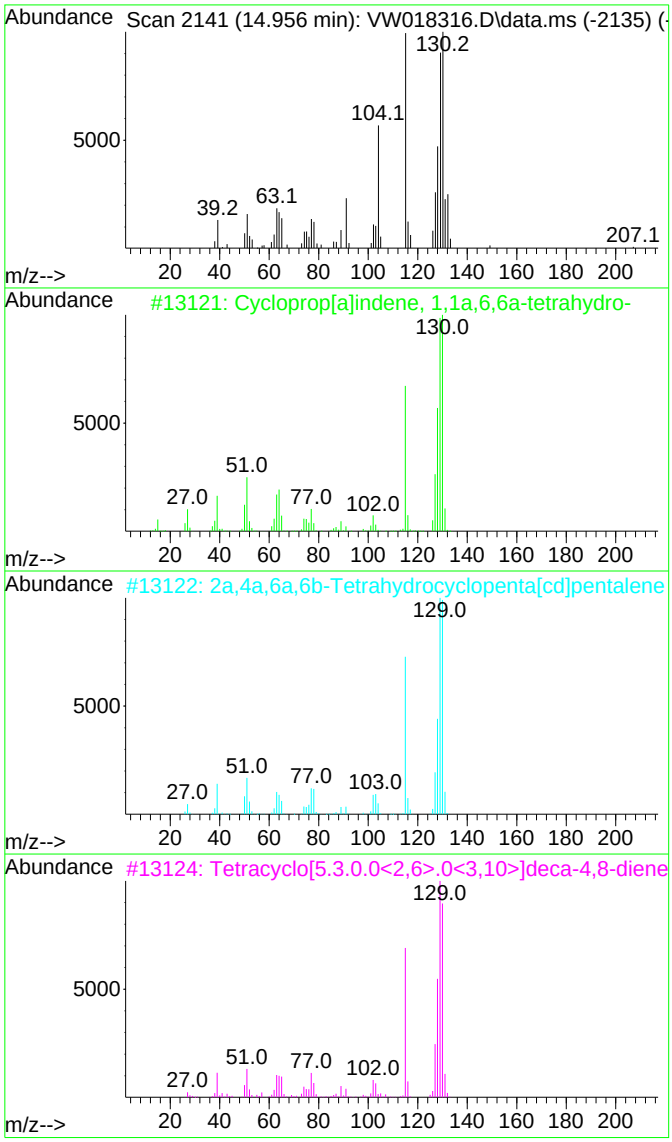
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
Quant Title : VOC Analysis

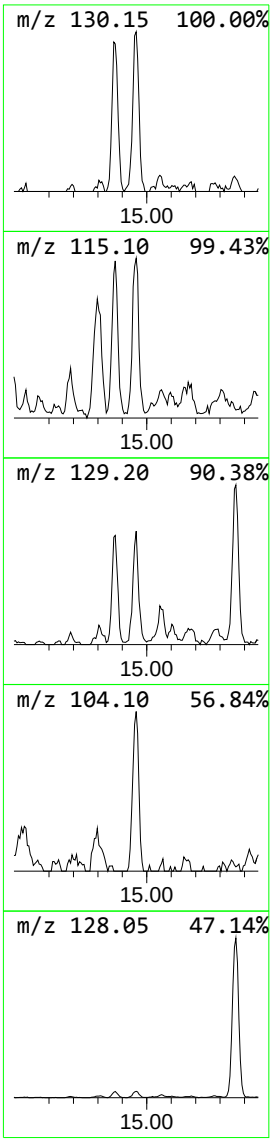
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	1.27 ug/L	46497	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	91
2	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	90
3	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	83
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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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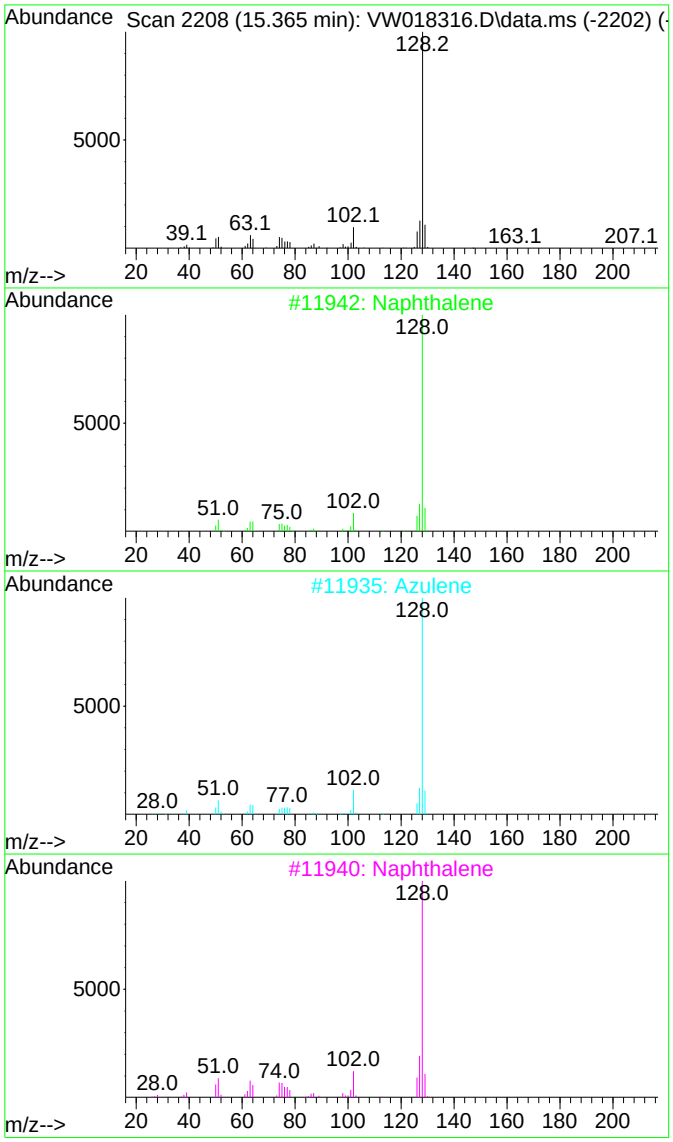
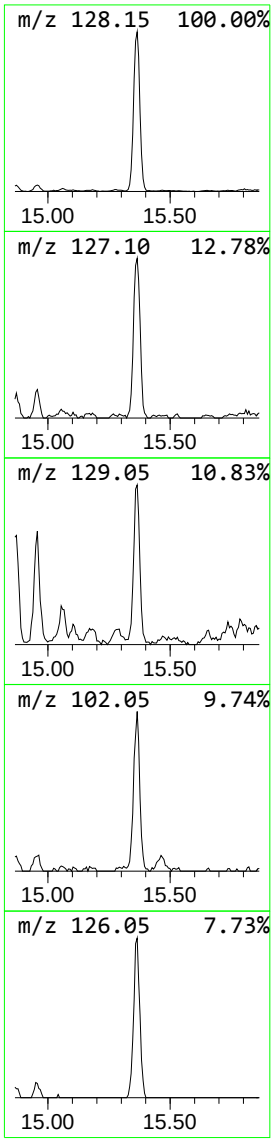
Peak Number 20 Azulene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	4.60 ug/L	168332	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	94
3	Naphthalene	128	C10H8	000091-20-3	94
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	94
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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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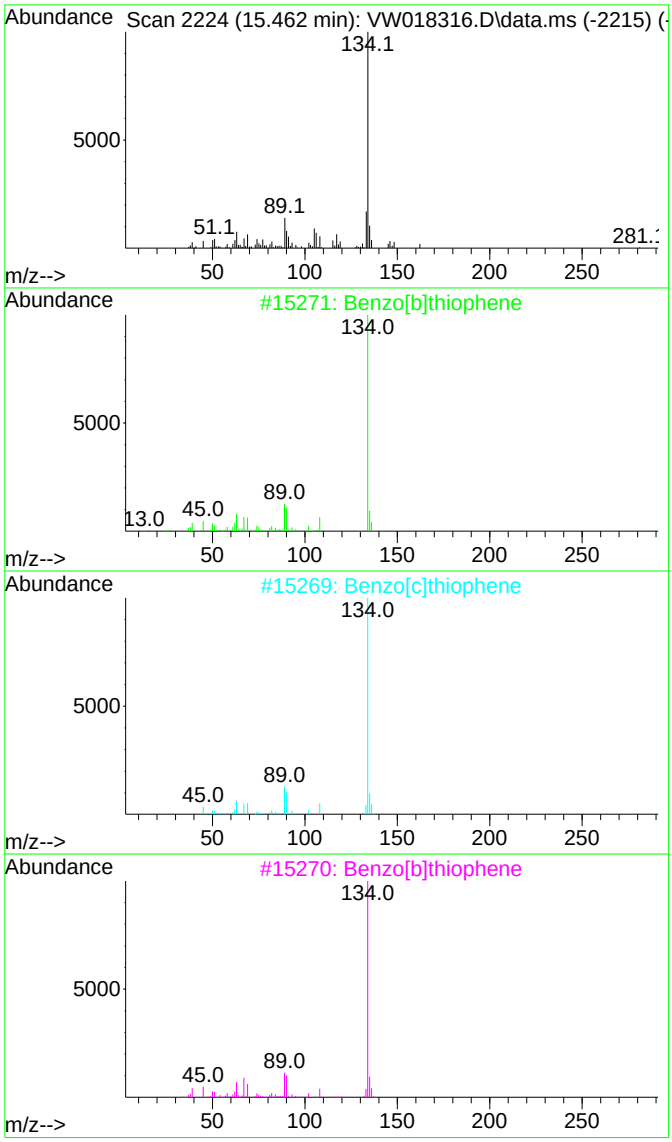
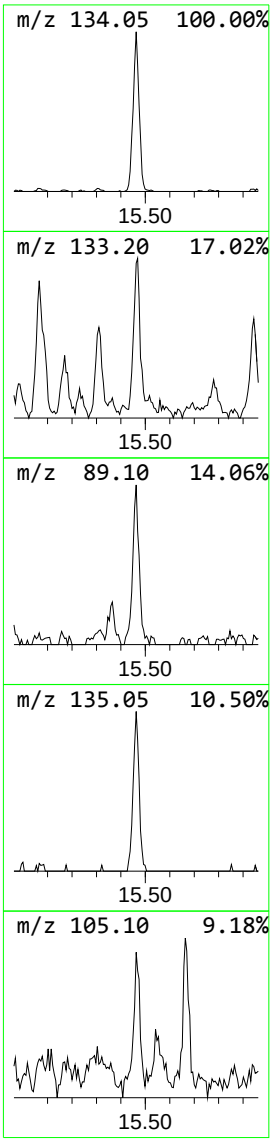
Peak Number 21 Benzo[b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	2.65 ug/L	96974	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	81
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	81
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	74
5	3(2H)-Benzofuranone	134	C8H6O2	007169-34-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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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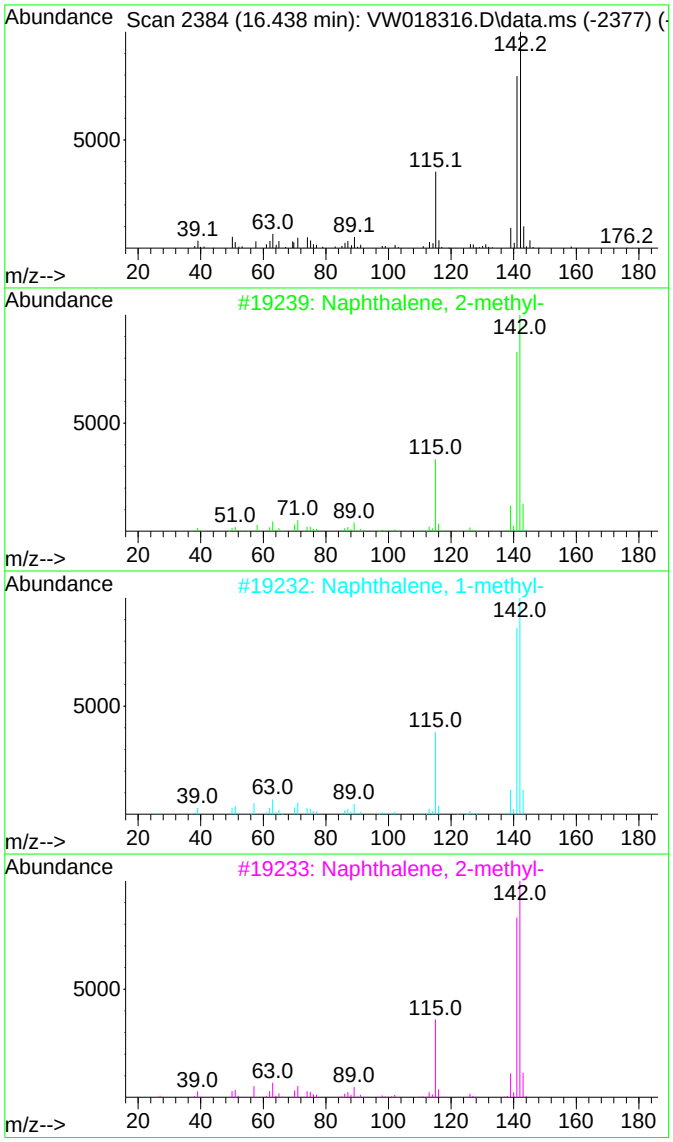
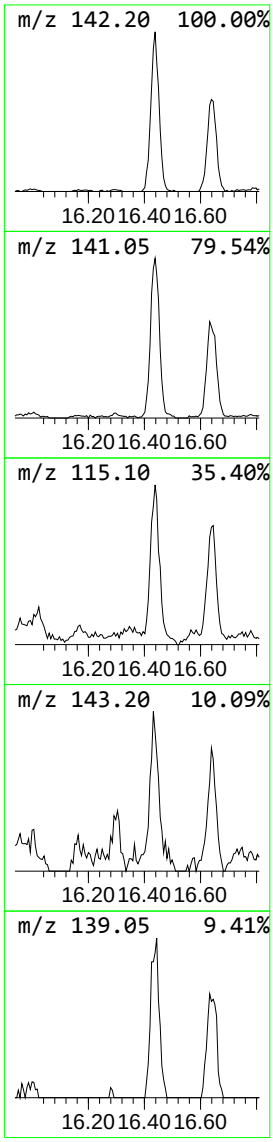
Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	2.91 ug/L	106279	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	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 : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG574

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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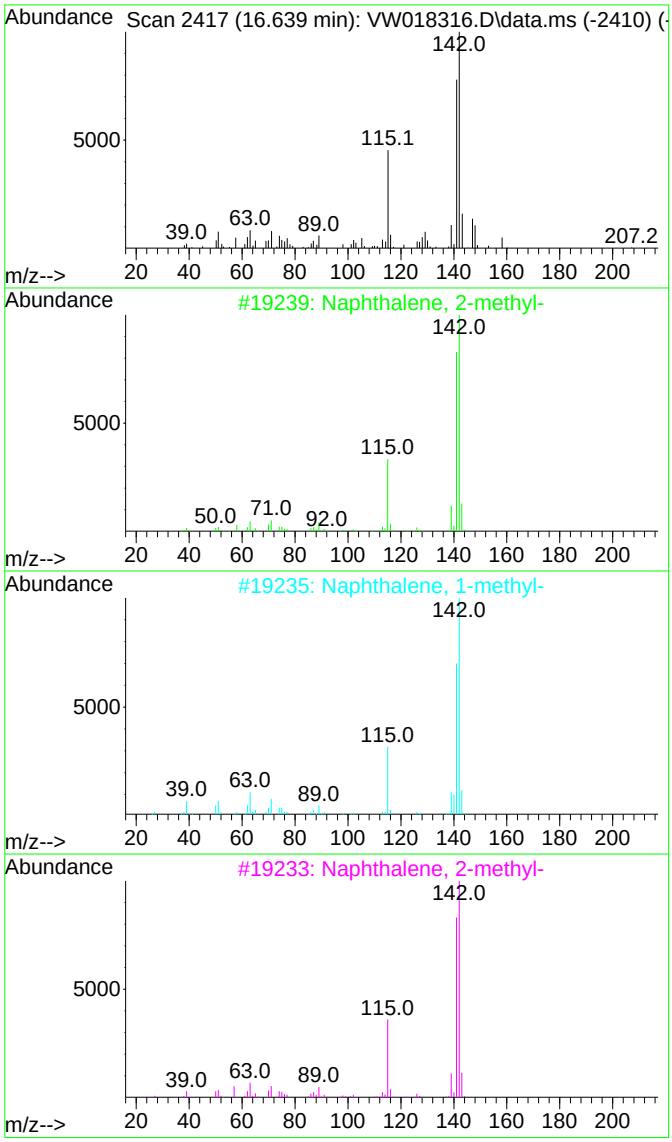
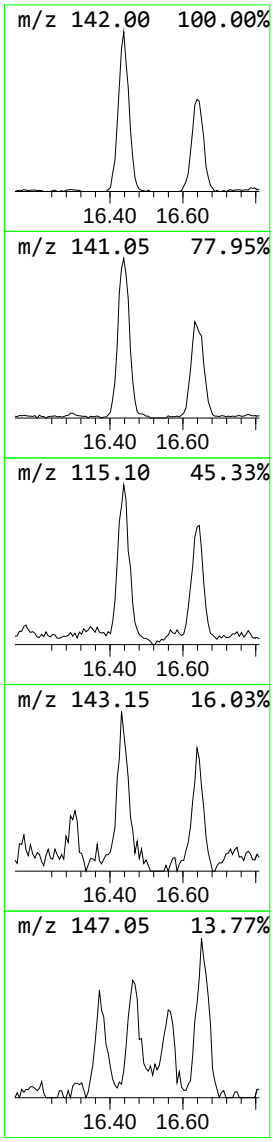
Peak Number 23 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	1.94 ug/L	70934	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031321\
Data File : VW018316.D
Acq On : 12 Mar 2021 13:51
Operator : SY/VA
Sample : M1630-06
Misc : 6.20G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG574

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...	1.959	1.5	ug/L	43944	1	8.842	721299	25.0
Furan	3.739	3.5	ug/L	99815	1	8.842	721299	25.0
Propanal, 2-met...	5.787	5.0	ug/L	143325	1	8.842	721299	25.0
Furan, 2-methyl-	6.610	3.6	ug/L	102771	1	8.842	721299	25.0
Thiophene	8.561	15.5	ug/L	446618	1	8.842	721299	25.0
Butanal, 2-methyl-	8.714	4.3	ug/L	122480	1	8.842	721299	25.0
Thiophene, 3-me...	10.494	5.9	ug/L	193786	2	11.634	822289	25.0
Thiophene, 2-me...	10.646	5.9	ug/L	193419	2	11.634	822289	25.0
Benzene, 1-ethy...	12.865	2.2	ug/L	80072	3	13.554	914081	25.0
Benzene, 1-ethy...	13.103	1.5	ug/L	56338	3	13.554	914081	25.0
Benzene, 1,2,3-...	13.249	4.4	ug/L	159807	3	13.554	914081	25.0
Benzofuran	13.475	1.9	ug/L	67690	3	13.554	914081	25.0
1-Propyne, 3-ph...	13.938	1.5	ug/L	55473	3	13.554	914081	25.0
Benzene, 1-meth...	14.688	1.3	ug/L	46883	3	13.554	914081	25.0
Benzene, 1,2,4,...	14.792	3.6	ug/L	132702	3	13.554	914081	25.0
Cycloprop[a]ind...	14.956	1.3	ug/L	46497	3	13.554	914081	25.0
Azulene	15.365	4.6	ug/L	168332	3	13.554	914081	25.0
Benzo[b]thiophene	15.462	2.6	ug/L	96974	3	13.554	914081	25.0
Naphthalene, 1-...	16.438	2.9	ug/L	106279	3	13.554	914081	25.0
unknown-01	16.639	1.9	ug/L	70934	3	13.554	914081	25.0