LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

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\SOM2WLM041519S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	38	41	46	rBV3	5140	7806	0.03%	0.008%
2	2.349	68	73	80	rBV	12226	23226	0.08%	0.023%
3	2.629	117	119	123	rVB4	4154	4055	0.01%	0.004%
4	2.885	154	161	168	rVB	10884	27033	0.09%	0.027%
5	3.318	229	232	235	rVB5	990	1293	0.00%	0.001%
6	3.349	235	237	240	rVB2	904	936	0.00%	0.001%
7	3.526	263	266	267	rVV3	1185	1068	0.00%	0.001%
8	3.544	267	269	273	rVB3	1100	1226	0.00%	0.001%
9	3.635	280	284	287	rBV4	787	934	0.00%	0.001%
10	3.672	287	290	295	rBV6	1053	1293	0.00%	0.001%
11	3.727	297	299	304	rBV3	970	1064	0.00%	0.001%
12	3.794	307	310	313	rBV5	1400	2040	0.01%	0.002%
13	4.013	335	346	355	rBV2	26575	69889	0.23%	0.070%
14	4.123	362	364	366	rVV3	978	1015	0.00%	0.001%
15	4.153	366	369	374	rVB6	1471	2341	0.01%	0.002%
16	4.367	400	404	406	rBV4	1773	2598	0.01%	0.003%
17	4.385	406	407	411	rVB3	1256	1049	0.00%	0.001%
18	4.519	425	429	433	rBV5	890	992	0.00%	0.001%
19	4.659	450	452	454	rBV3	811	934	0.00%	0.001%
20	4.720	459	462	465	rVB3	1476	1930	0.01%	0.002%
21	4.757	465	468	469	rBV2	852	936	0.00%	0.001%
22	4.916	483	494	504	rBV4	14815	43883	0.14%	0.044%
23	5.086	520	522	526	rVB3	1255	1344	0.00%	0.001%
24	5.300	555	557	561	rVB2	1119	922	0.00%	0.001%
25	5.373	566	569	570	rBV3	854	977	0.00%	0.001%
26	5.513	590	592	595	rVB2	1312	1112	0.00%	0.001%
27	5.757	628	632	636	rVB3	746	1025	0.00%	0.001%
28	5.806	636	640	645	rVB4	1026	1818	0.01%	0.002%
29	5.915	655	658	659	rBV2	1704	2229	0.01%	0.002%
30	5.946	659	663	672	rVB6	3338	7307	0.02%	0.007%
31	6.165	696	699	702	rBV4	1224	1311	0.00%	0.001%
32	6.501	749	754	755	rBV5	911	1452	0.00%	0.001%
33	6.872	814	815	820	rVB3	982	1146	0.00%	0.001%
34	7.043	839	843	844	rBV3	1540	1669	0.01%	0.002%

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Instrument : MSVOA_W
ClientSampleId : GAHS1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Title : VOC Analysis

35	7.074	844	848	858	rBV3	5723	14868	0.05%	0.015%
36	7.147	858	860	863	rVB3	989	1058	0.00%	0.001%
37	7.250	871	877	887	rBV2	10532	24668	0.08%	0.025%
38	7.403	901	902	906	rVB3	1588	1474	0.00%	0.001%
39	7.452	906	910	912	rBV3	1483	1711	0.01%	0.002%
40	7.574	928	930	932	rVB3	1162	1036	0.00%	0.001%
41	7.647	932	942	950	rBV2	36670	90752	0.30%	0.090%
42	7.726	954	955	958	rVB2	1538	1298	0.00%	0.001%
43	8.000	998	1000	1003	rBV2	812	1132	0.00%	0.001%
44	8.061	1009	1010	1013	rVB3	1646	1201	0.00%	0.001%
45	8.098	1013	1016	1017	rBV3	1806	1532	0.01%	0.002%
46	8.147	1021	1024	1026	rBV3	943	1018	0.00%	0.001%
47	8.275	1034	1045	1059	rBV2	66294	213608	0.70%	0.213%
48	8.384	1062	1063	1066	rBV3	1444	1043	0.00%	0.001%
49	8.451	1072	1074	1076	rBV3	1068	1031	0.00%	0.001%
50	8.512	1083	1084	1086	rBV2	1242	992	0.00%	0.001%
51	8.561	1089	1092	1093	rBV3	1471	1591	0.01%	0.002%
52	8.579	1093	1095	1096	rBV2	1622	954	0.00%	0.001%
53	8.622	1100	1102	1104	rVB3	1872	1429	0.00%	0.001%
54	8.653	1104	1107	1108	rBV3	1555	1370	0.00%	0.001%
55	8.683	1108	1112	1116	rVB6	2363	3565	0.01%	0.004%
56	8.744	1116	1122	1123	rBV5	1709	2716	0.01%	0.003%
57	8.842	1128	1138	1145	rBV	64830	138155	0.46%	0.138%
58	8.982	1159	1161	1164	rBV4	1712	1730	0.01%	0.002%
59	9.031	1167	1169	1171	rBV3	1949	1493	0.00%	0.001%
60	9.086	1174	1178	1181	rVV6	1405	2254	0.01%	0.002%
61	9.274	1200	1209	1218	rBV	52292	112488	0.37%	0.112%
62	9.384	1225	1227	1229	rBV3	1787	1986	0.01%	0.002%
63	9.555	1253	1255	1256	rVB2	1765	935	0.00%	0.001%
64	9.890	1306	1310	1312	rBV5	4060	6401	0.02%	0.006%
65	9.970	1321	1323	1324	rVB2	2371	1277	0.00%	0.001%
66	10.037	1328	1334	1339	rBV	25668	50038	0.16%	0.050%
67	10.140	1346	1351	1352	rBV5	3402	5505	0.02%	0.005%
68	10.323	1375	1381	1387	rBV	92218	165278	0.54%	0.165%
69	10.384	1387	1391	1397	rVB3	12761	26639	0.09%	0.027%
70	10.579	1419	1423	1428	rVB3	15312	25911	0.09%	0.026%
71	10.927	1475	1480	1485	rBV	26216	48930	0.16%	0.049%

LSC Area Percent Report

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ClientSampleId : GAHS1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Title : VOC Analysis

72	11.353	1529	1550	1558	rBV2	396083	2485181	8.19%	2.477%
73	11.634	1592	1596	1626	rVB4	267998	1323955	4.36%	1.320%
74	12.414	1709	1724	1725	rBV3	692400	1940939	6.39%	1.935%
75	12.878	1780	1800	1827	rBV2	4213534	30354434	100.00%	30.256%
76	13.323	1855	1873	1887	rBV2	4387832	22930941	75.54%	22.857%
77	13.463	1887	1896	1909	rVB	2645315	10152667	33.45%	10.120%
78	13.737	1929	1941	1953	rBV	475734	1841801	6.07%	1.836%
79	13.871	1953	1963	1970	rVV6	719343	2768108	9.12%	2.759%
80	13.969	1971	1979	1992	rVB2	1384363	5160339	17.00%	5.144%
81	14.304	2020	2034	2056	rBV	697903	2664986	8.78%	2.656%
82	14.548	2057	2074	2088	rBV3	1327539	5171614	17.04%	5.155%
83	14.688	2089	2097	2102	rBV7	77316	227198	0.75%	0.226%
84	14.774	2102	2111	2121	rVB2	491982	1402588	4.62%	1.398%
85	14.877	2123	2128	2132	rBV4	50992	108277	0.36%	0.108%
86	14.963	2132	2142	2153	rVB2	381148	1366614	4.50%	1.362%
87	15.091	2153	2163	2172	rBV4	551272	1877953	6.19%	1.872%
88	15.273	2185	2193	2202	rVV	98535	304716	1.00%	0.304%
89	15.371	2202	2209	2214	rVV	326433	620926	2.05%	0.619%
90	15.450	2216	2222	2223	rVV5	124179	270969	0.89%	0.270%
91	15.511	2226	2232	2243	rVV	312602	1036176	3.41%	1.033%
92	15.639	2244	2253	2276	rVB3	386418	1490715	4.91%	1.486%
93	15.847	2282	2287	2293	rVB9	21355	51946	0.17%	0.052%
94	15.993	2296	2311	2325	rVB7	190471	969211	3.19%	0.966%
95	16.139	2325	2335	2347	rBV2	172798	595756	1.96%	0.594%
96	16.237	2349	2351	2352	rVV2	18707	17060	0.06%	0.017%
97	16.255	2352	2354	2365	rVB2	41156	106397	0.35%	0.106%
98	16.389	2367	2376	2378	rBV5	51311	136261	0.45%	0.136%
99	16.450	2379	2386	2402	rVB	480912	1240478	4.09%	1.236%
100	16.651	2412	2419	2427	rVB	236655	526899	1.74%	0.525%

Sum of corrected areas: 100324025

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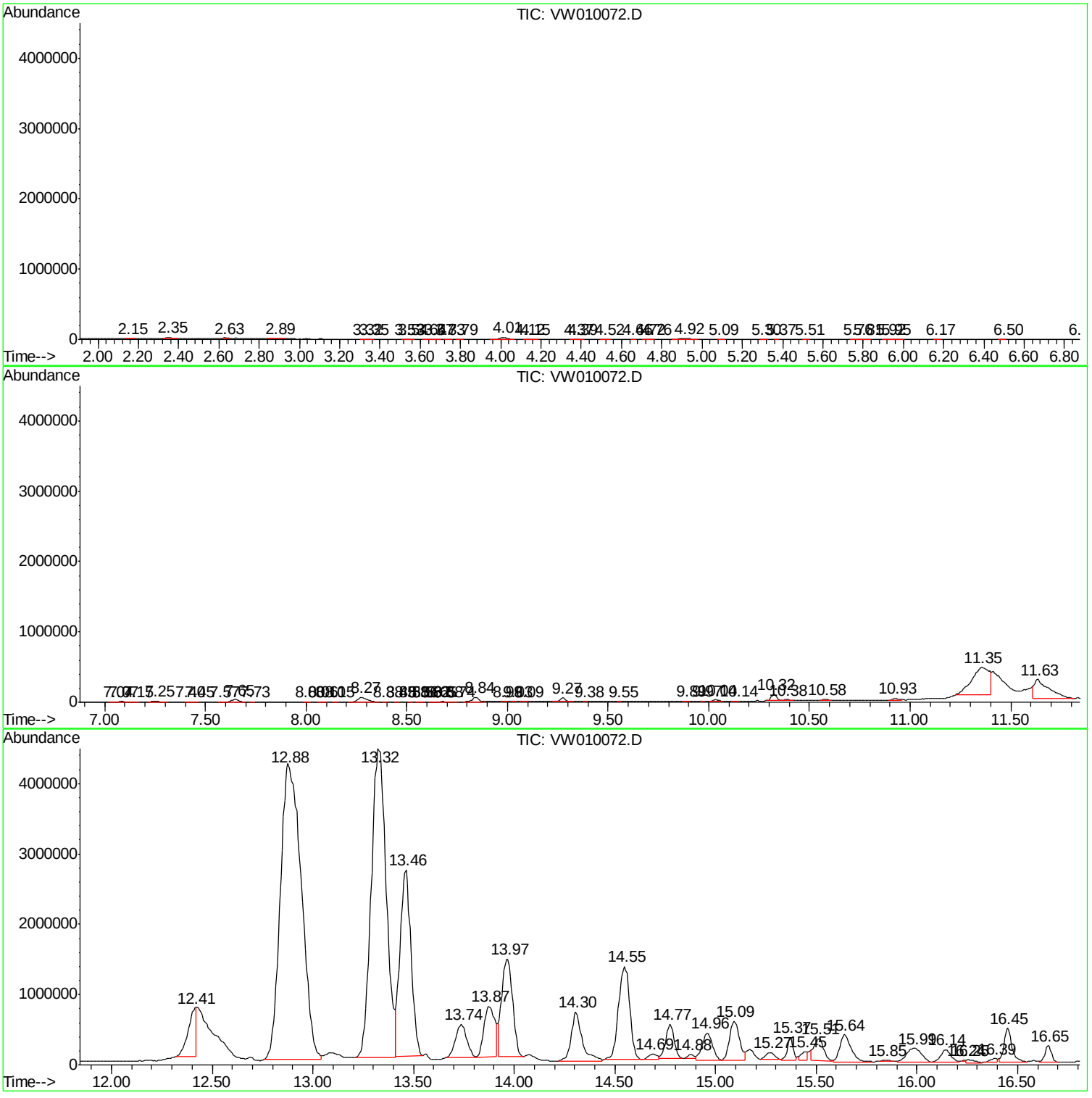
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : GAHS1

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Quant Title : VOC Analysis

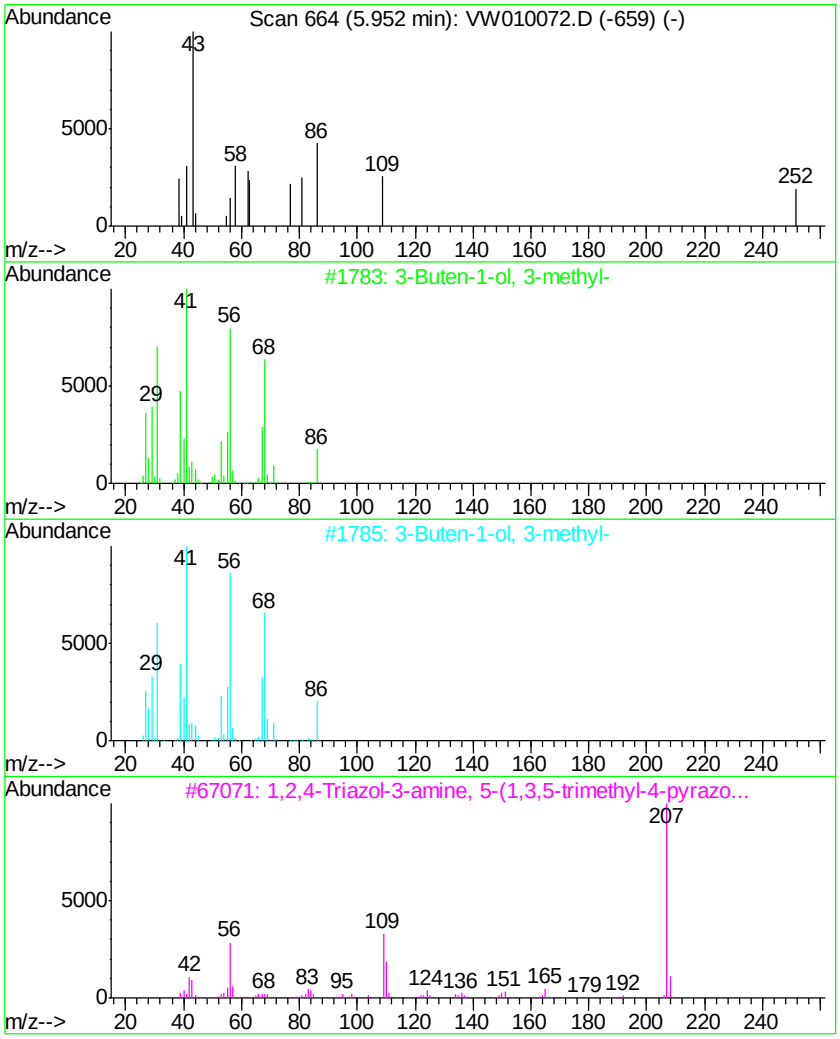
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

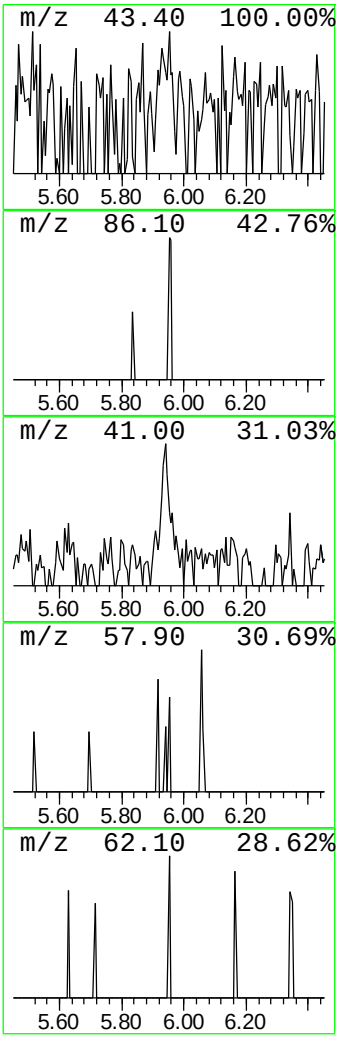
****

Peak Number 2 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1.32 ug/L	7307	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	10
2	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	10
3	1,2,4-Triazol-3-amine, 5-(1,3,5-...	207	C8H13N7	1000264-16-7	9
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	9
5	Isobutyl chloroformate	136	C5H9ClO2	000543-27-1	9





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

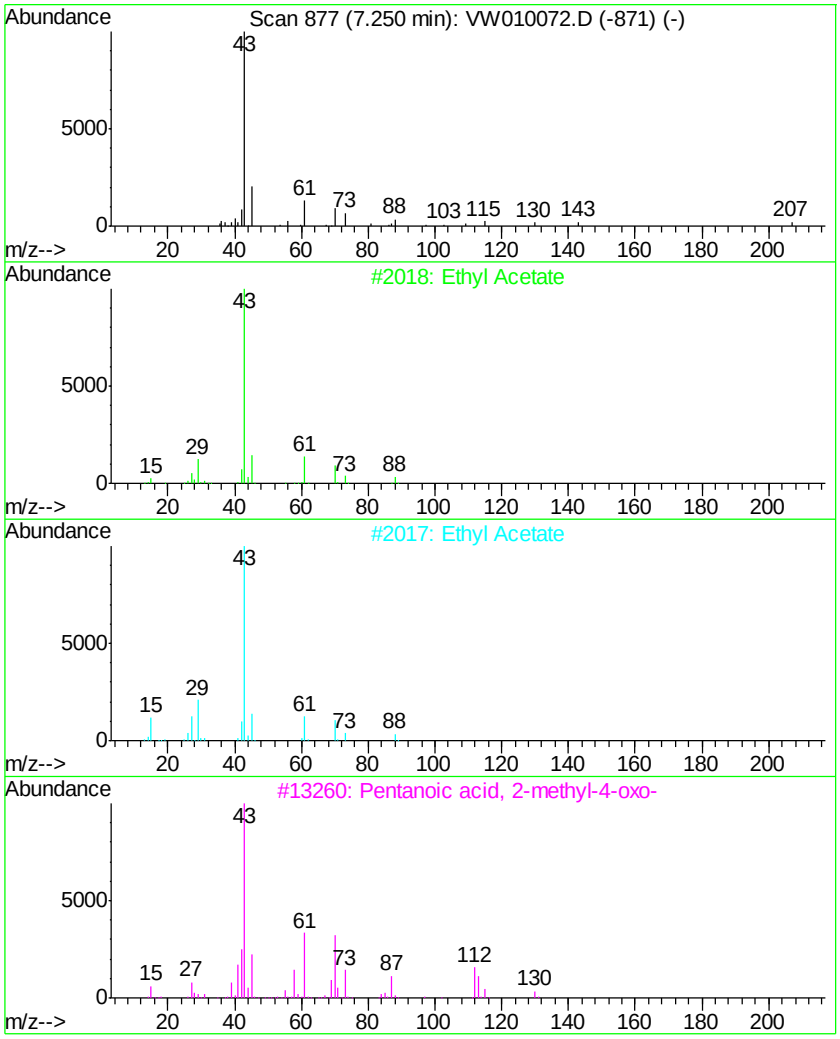
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

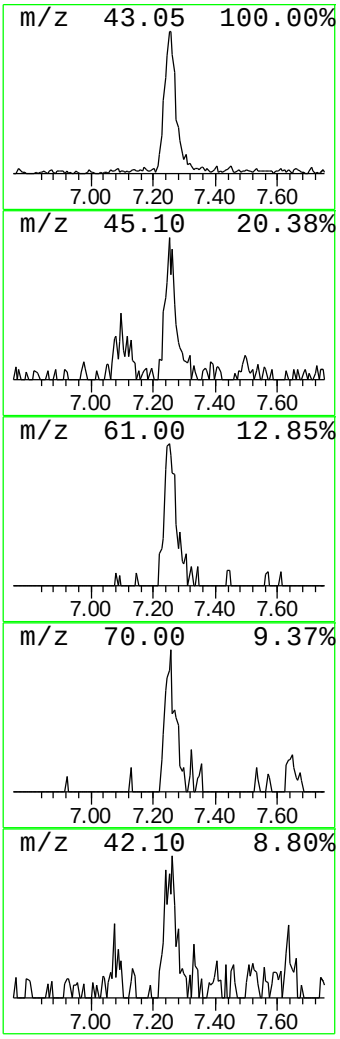
****

Peak Number 3 Ethyl Acetate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	4.46 ug/L	24668	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	53
2	Ethyl Acetate	88	C4H8O2	000141-78-6	53
3	Pentanoic acid, 2-methyl-4-oxo-	130	C6H10O3	006641-83-4	25
4	Pentanoic acid, 3-methyl-4-oxo-	130	C6H10O3	006628-79-1	25
5	Ethyl Acetate	88	C4H8O2	000141-78-6	9





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ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

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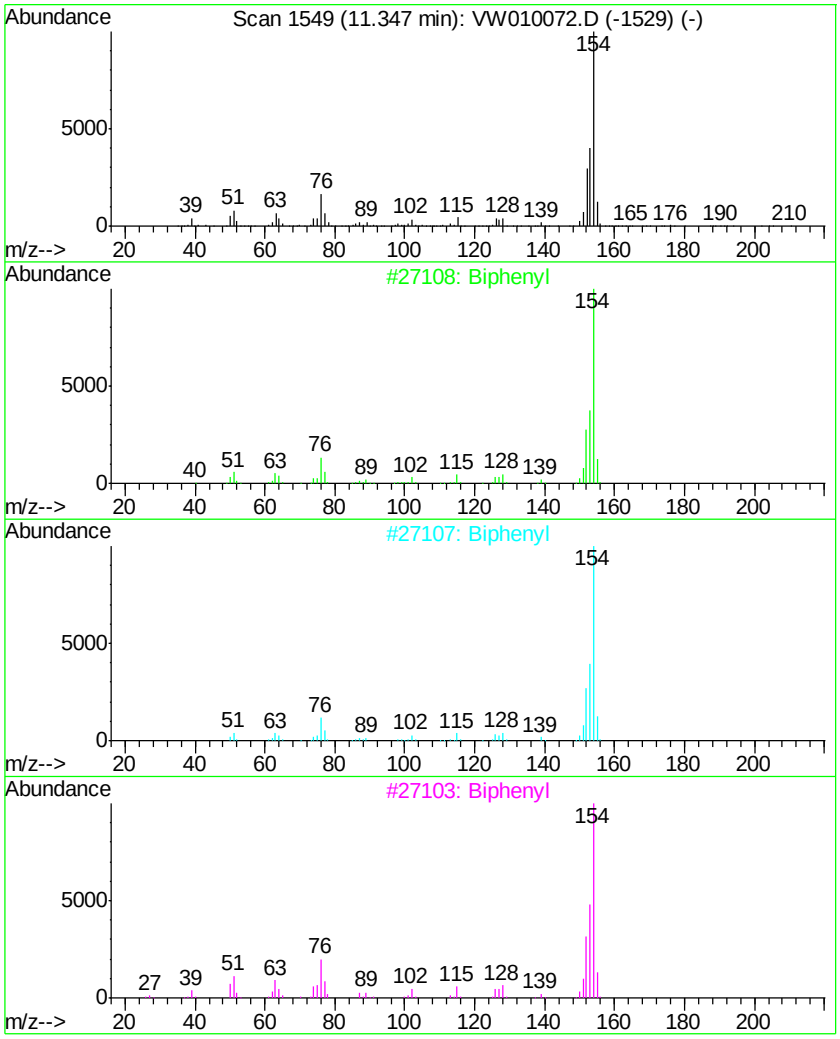
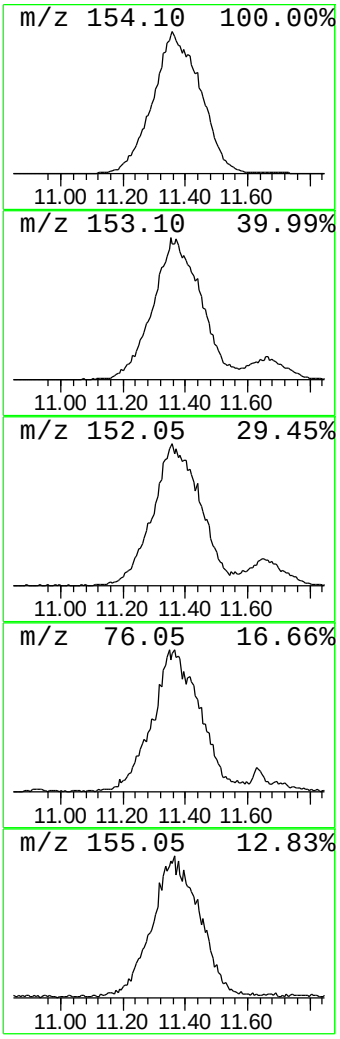
Peak Number 5 Biphenyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	46.93 ug/L	2485180	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	95
4	Biphenyl	154	C12H10	000092-52-4	94
5	Biphenyl	154	C12H10	000092-52-4	93





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

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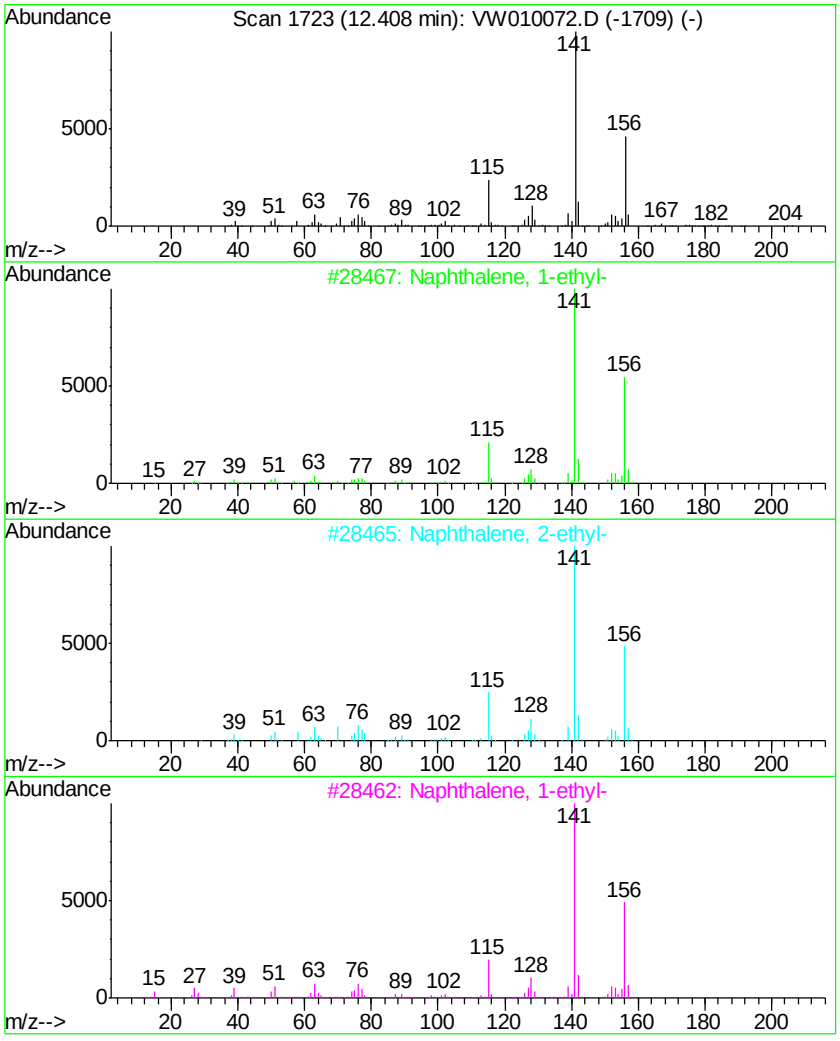
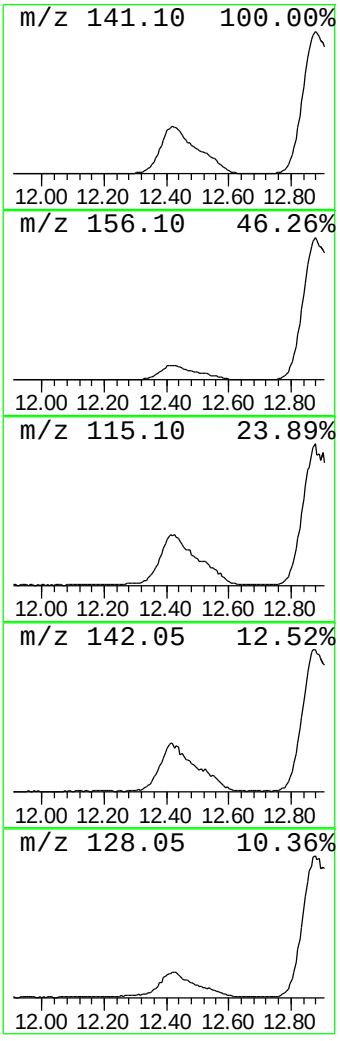
Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	36.65 ug/L	1940940	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

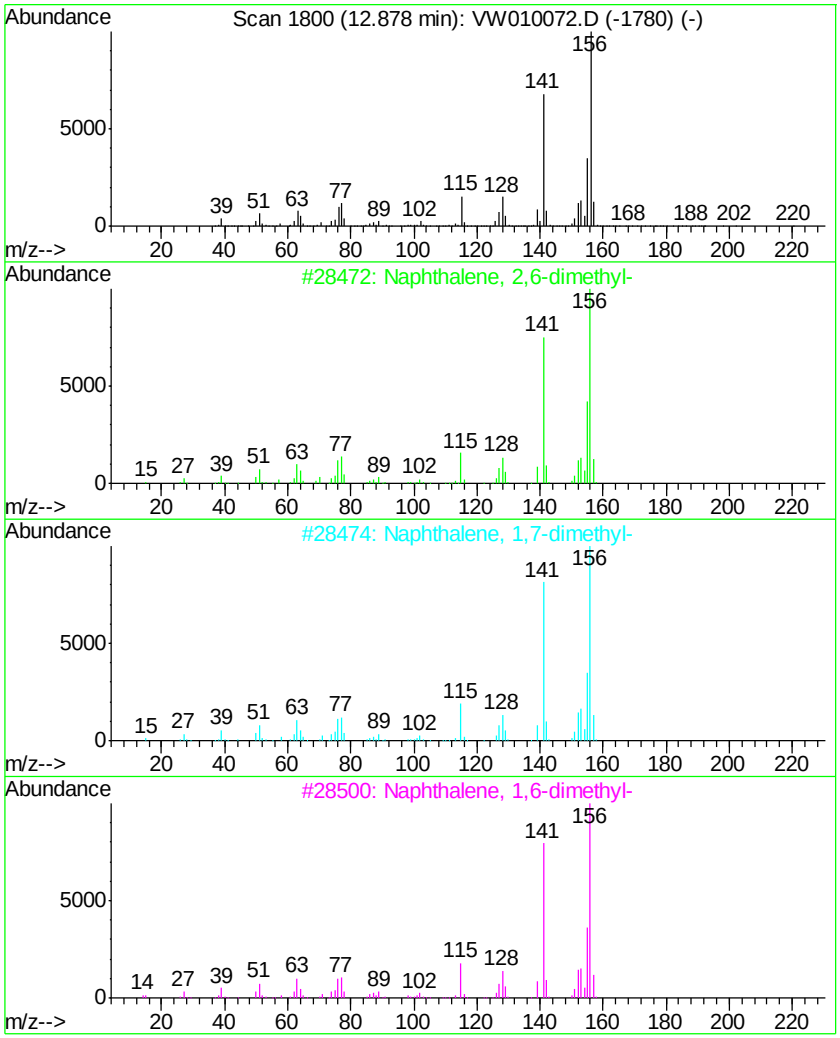
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

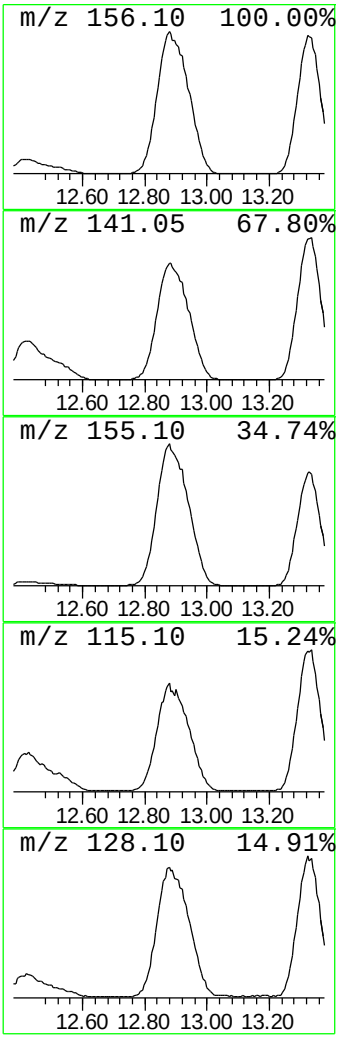
****

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	74.75 ug/L	30354400	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

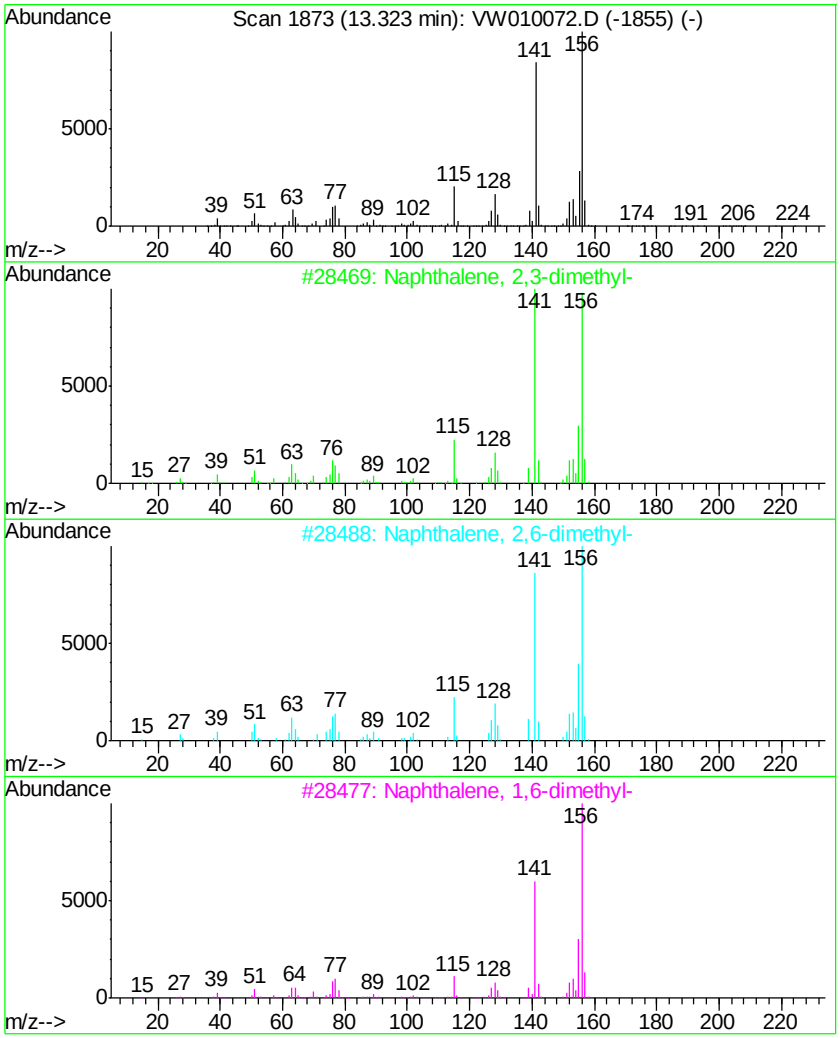
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

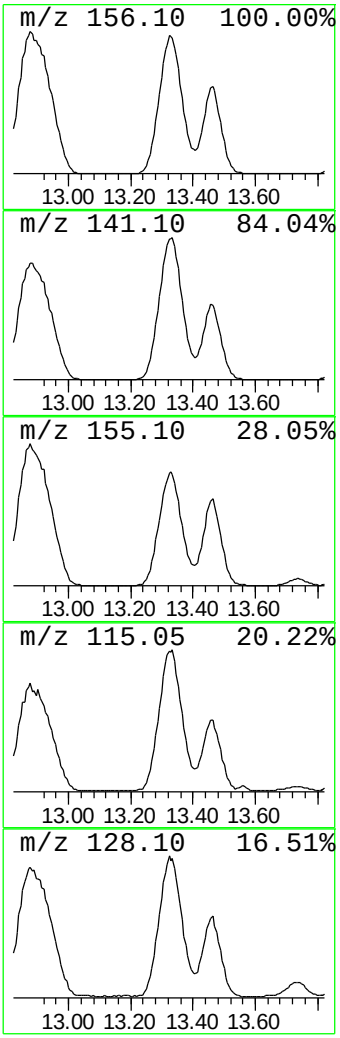
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	56.47 ug/L	22930900	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

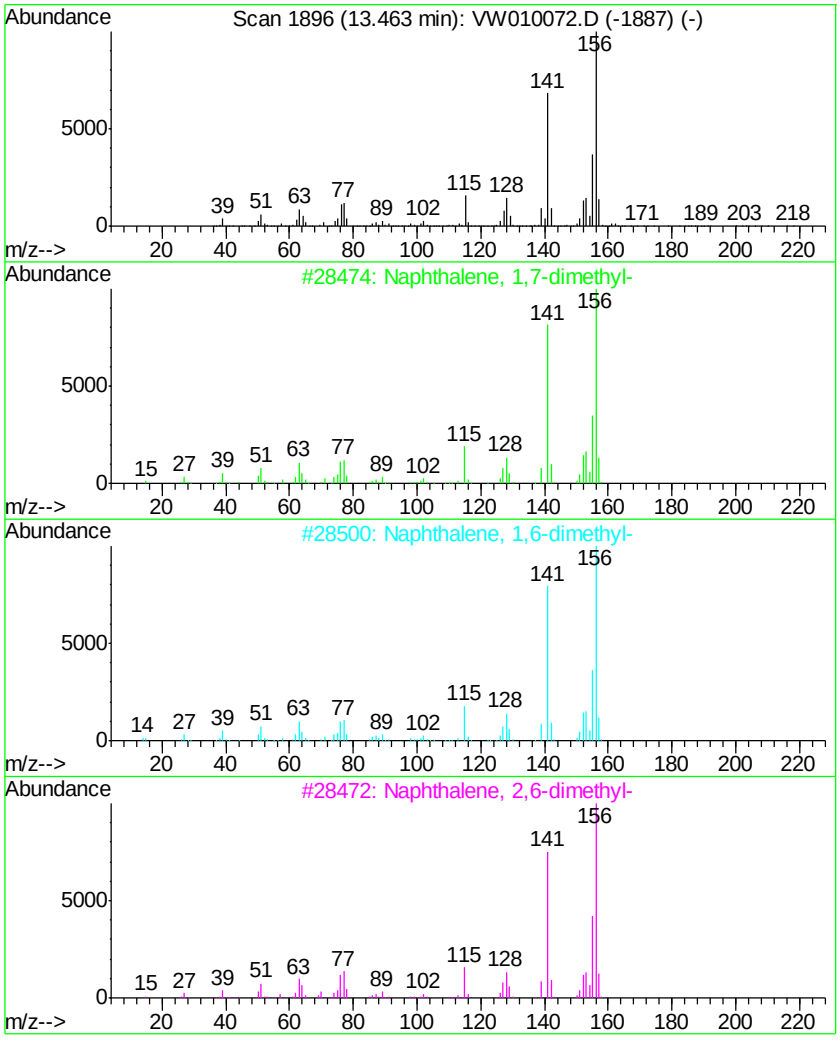
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

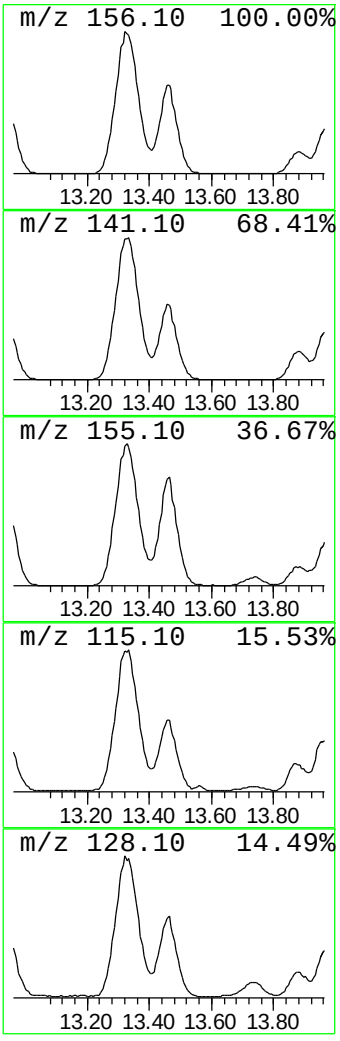
****

Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	25.00 ug/L	10152700	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

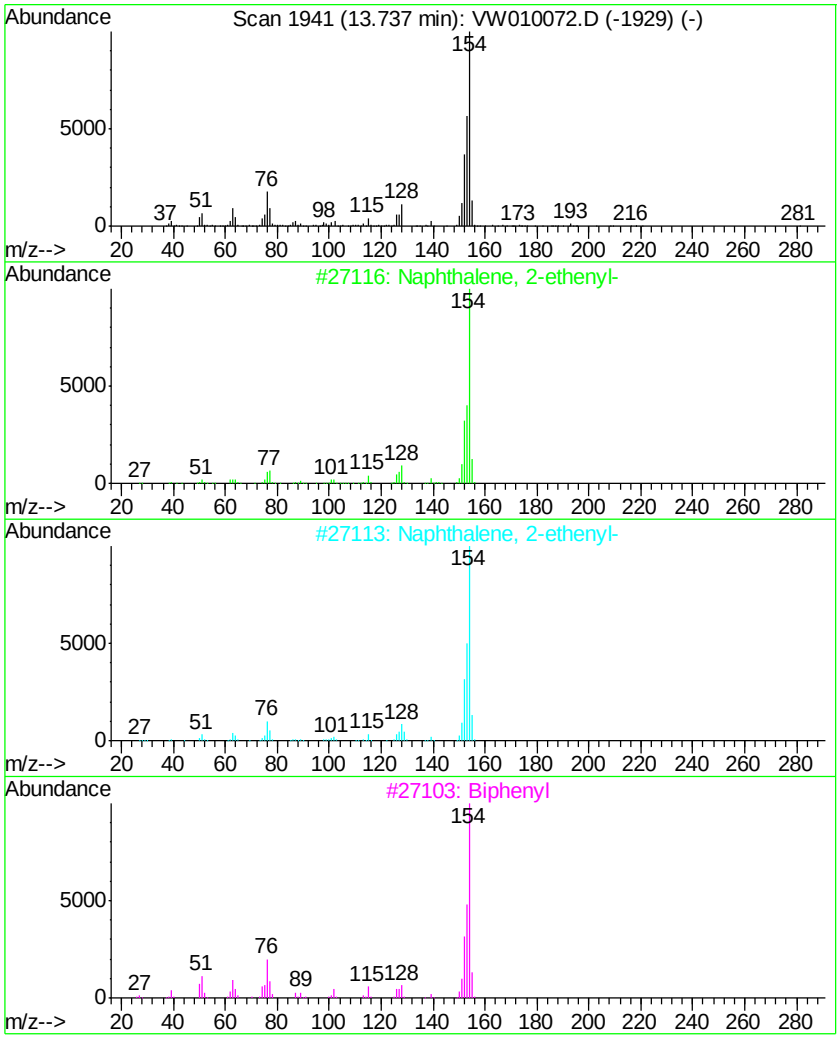
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

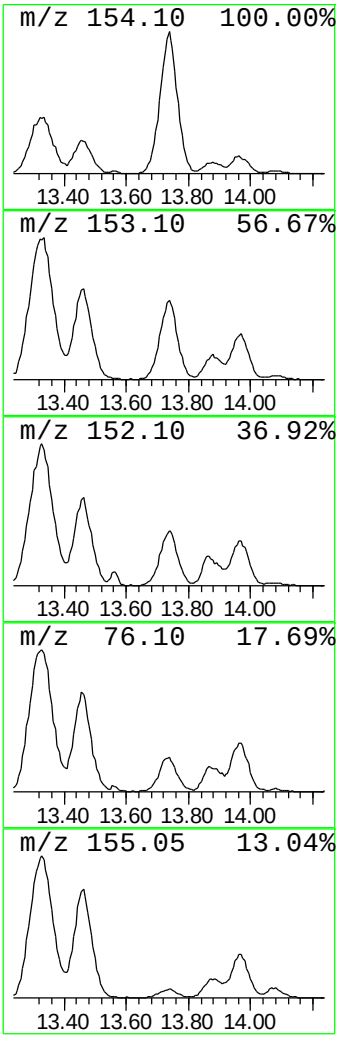
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-ethenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.54 ug/L	1841800	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
3	Biphenyl	154	C12H10	000092-52-4	93
4	Biphenyl	154	C12H10	000092-52-4	87
5	Acenaphthene	154	C12H10	000083-32-9	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

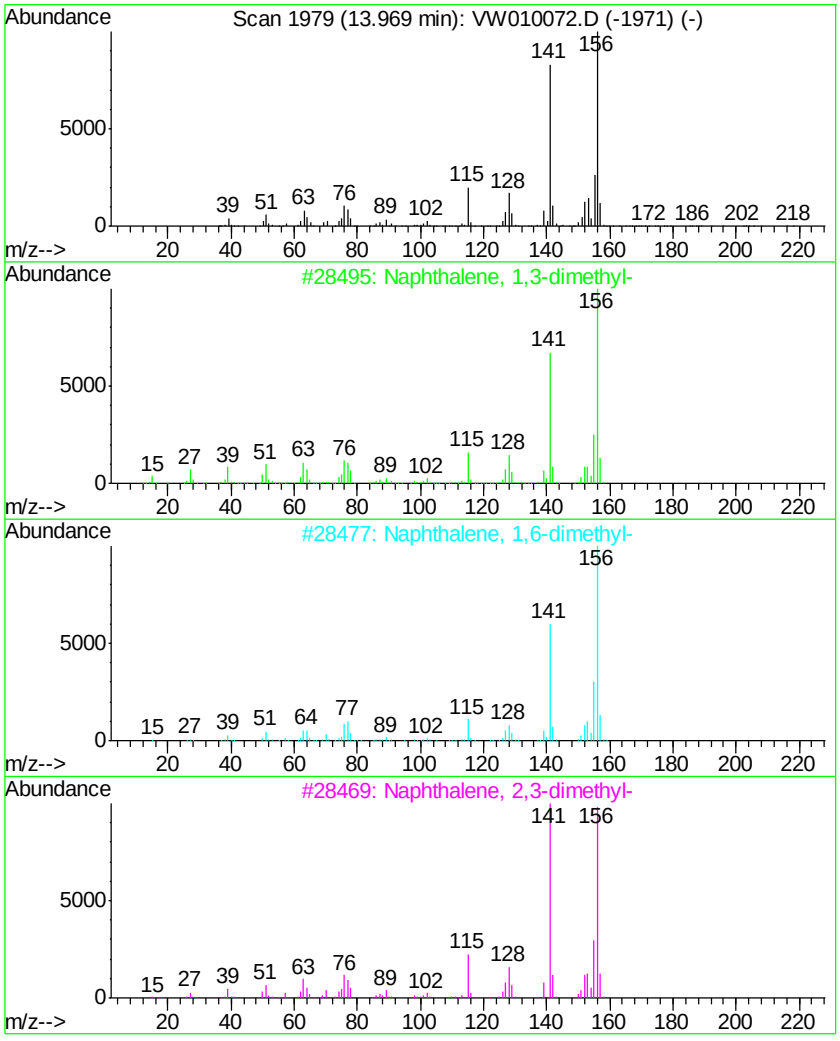
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

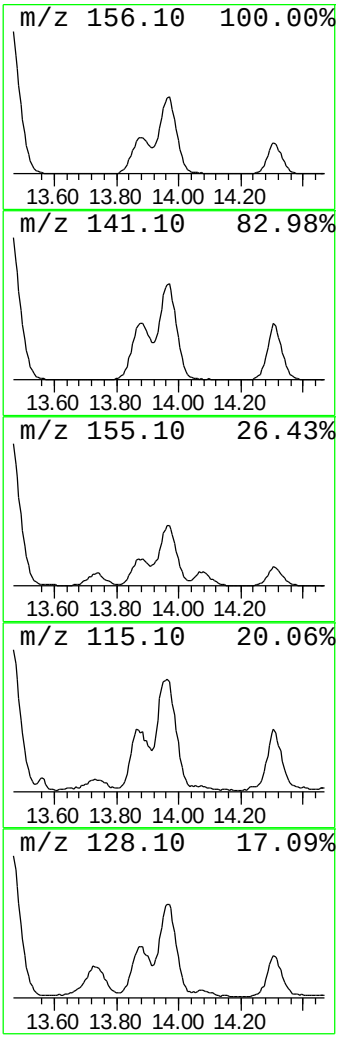
****

Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	12.71 ug/L	5160340	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

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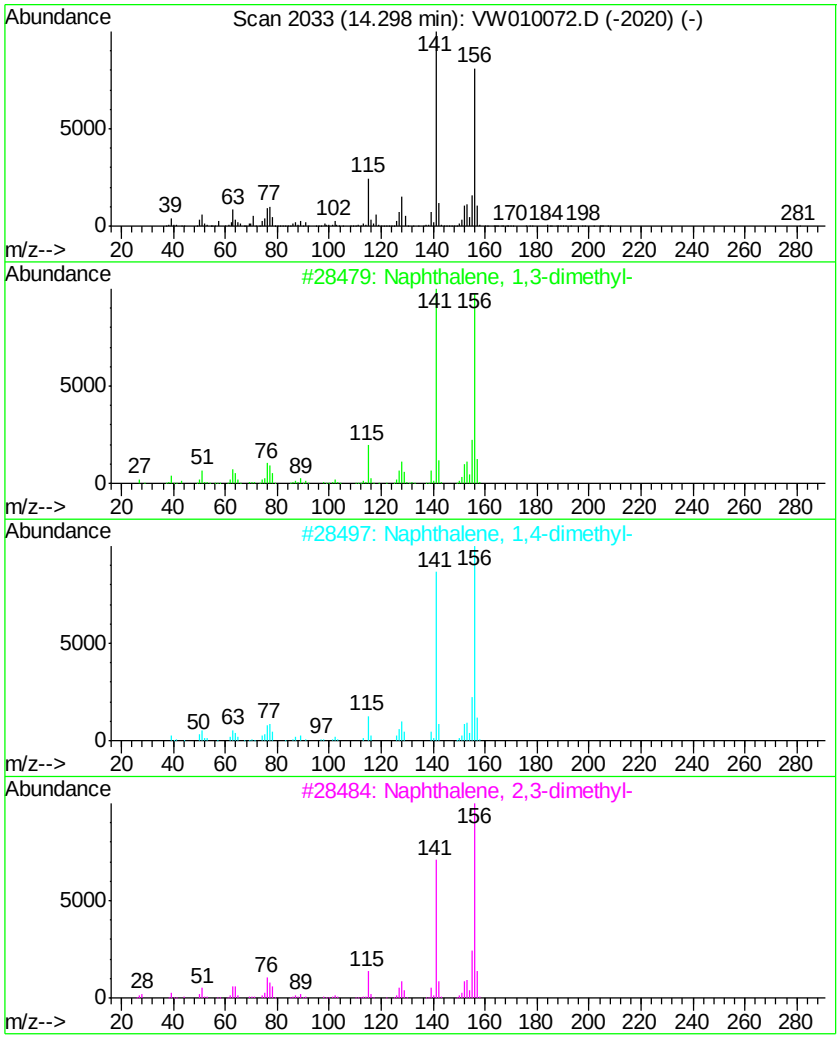
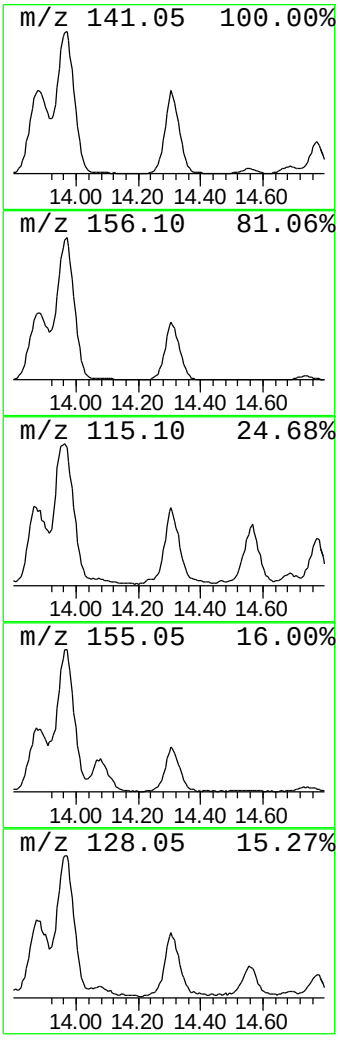
Peak Number 12 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	6.56 ug/L	2664990	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





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Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

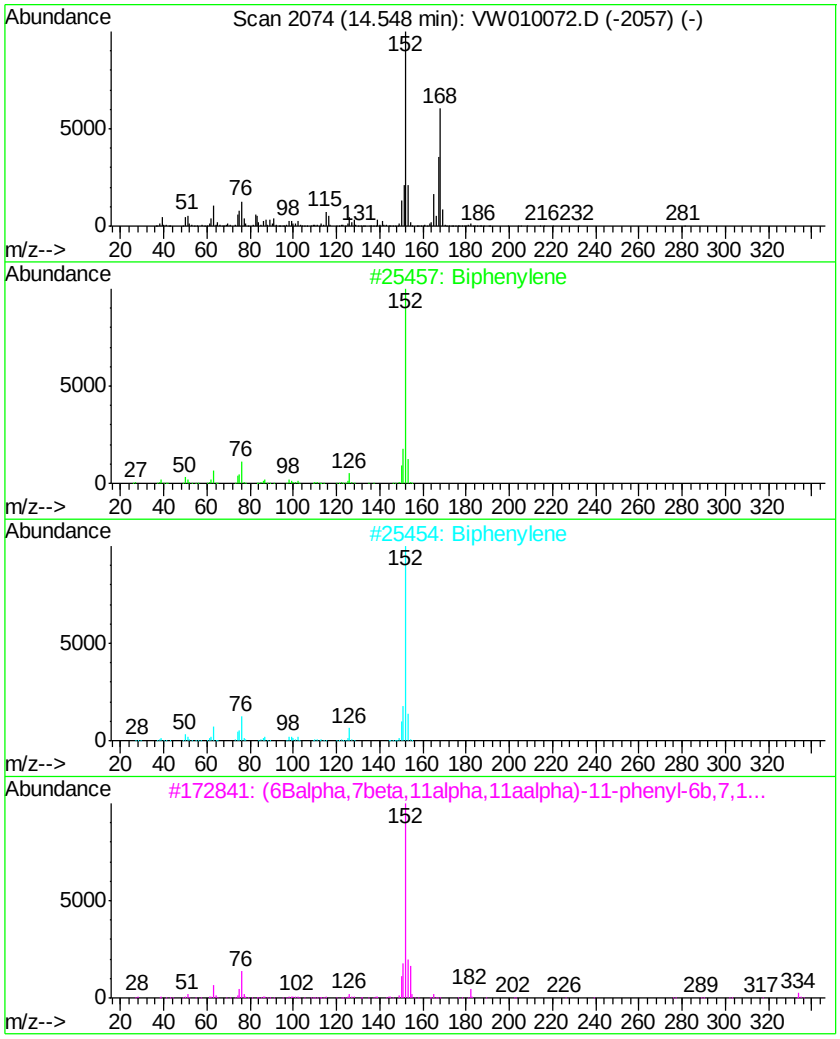
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

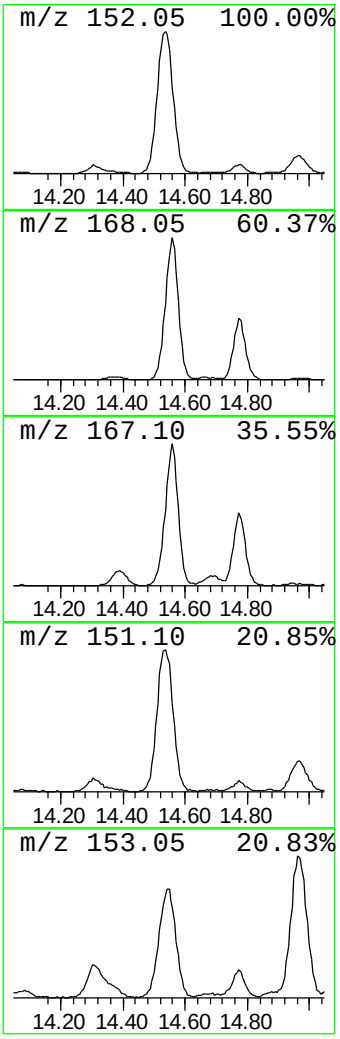
****

Peak Number 13 Biphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	12.73 ug/L	5171610	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	60
2	Biphenylene	152	C12H8	000259-79-0	60
3	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	50
4	Acenaphthylene	152	C12H8	000208-96-8	49
5	Acenaphthylene	152	C12H8	000208-96-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

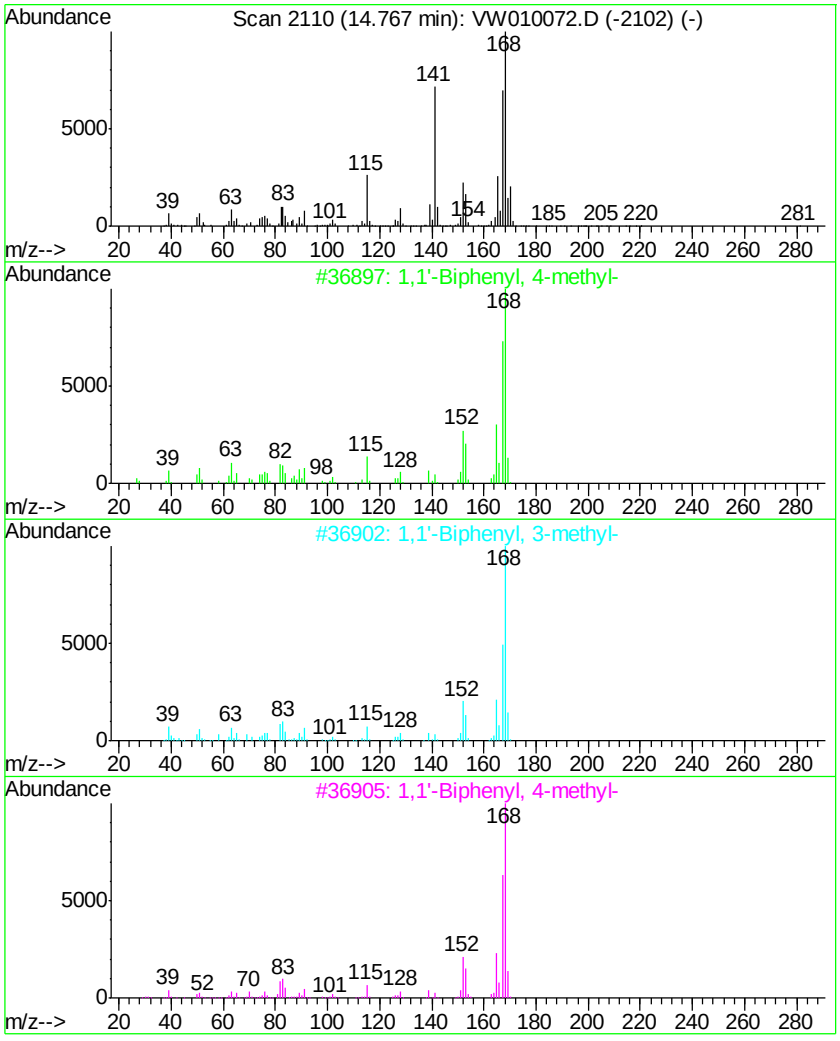
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

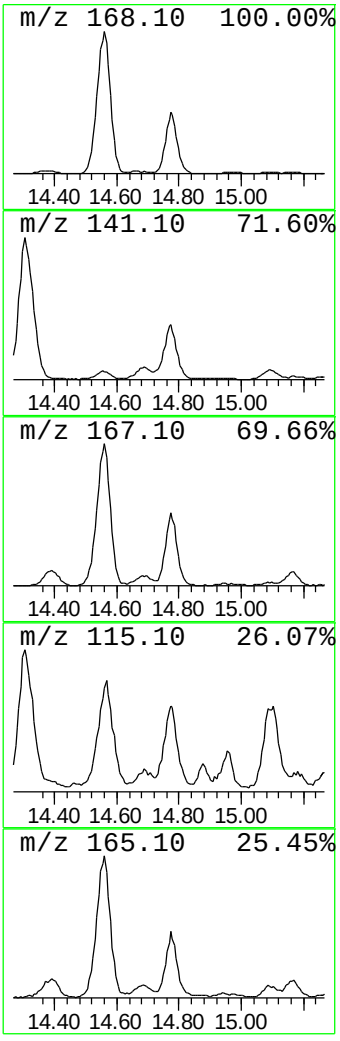
****

Peak Number 14 1,1'-Biphenyl, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.45 ug/L	1402590	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	92
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	91
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58





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Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

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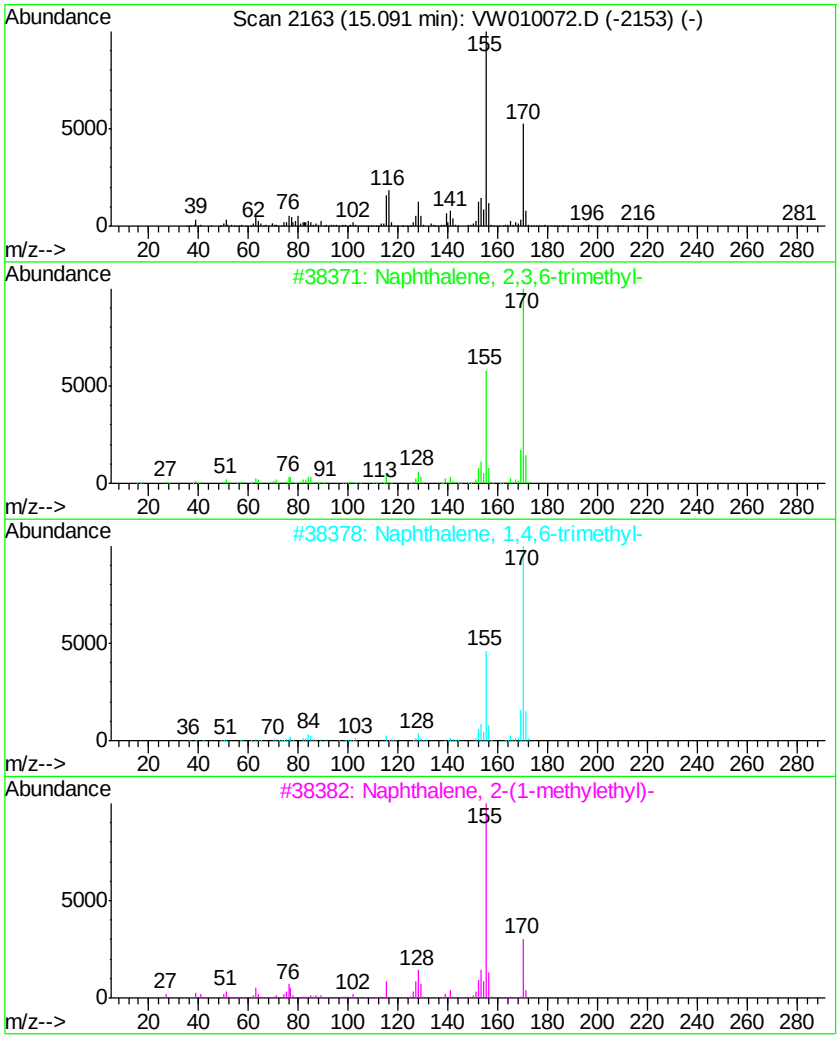
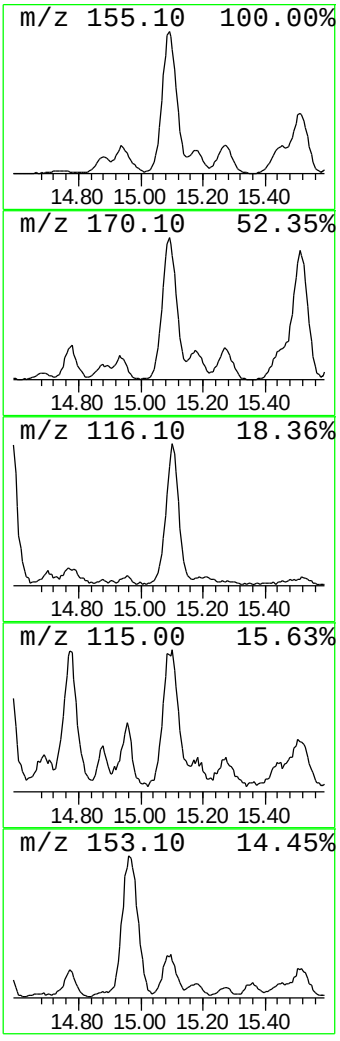
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.62 ug/L	1877950	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
4	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86





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Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

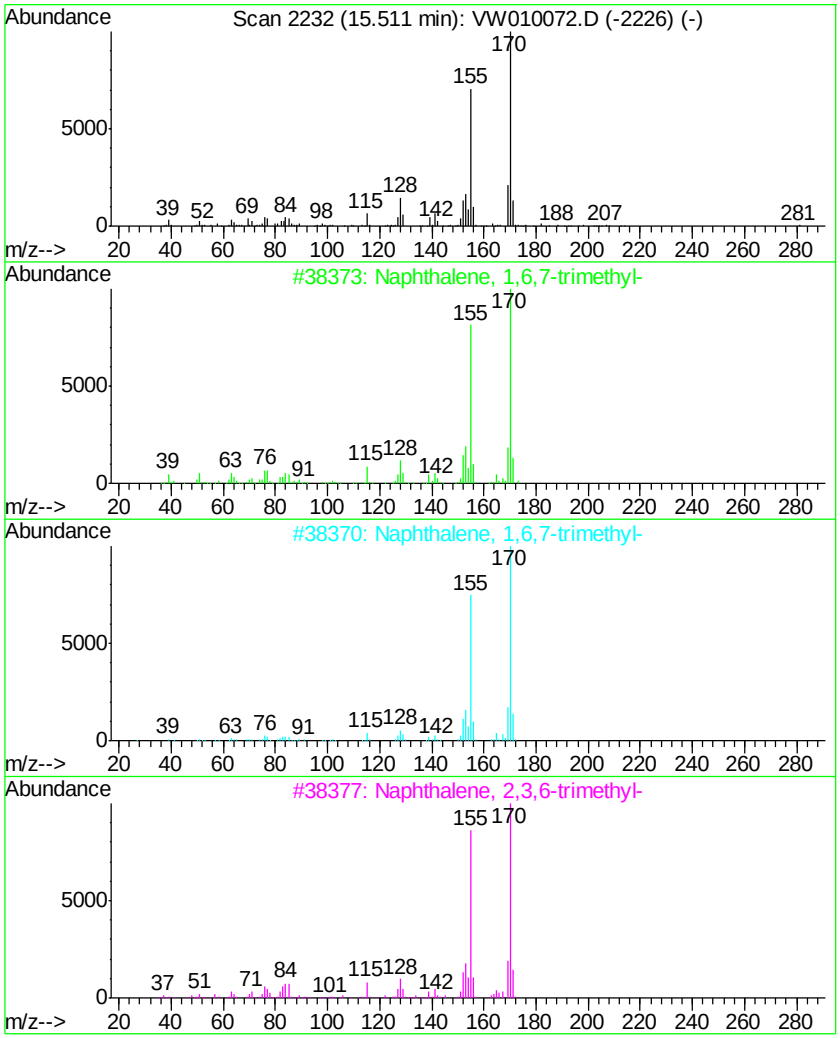
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

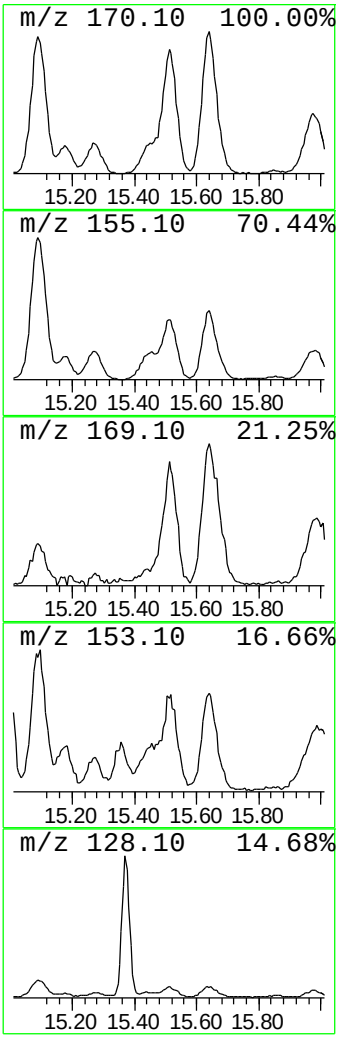
****

Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	2.55 ug/L	1036180	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

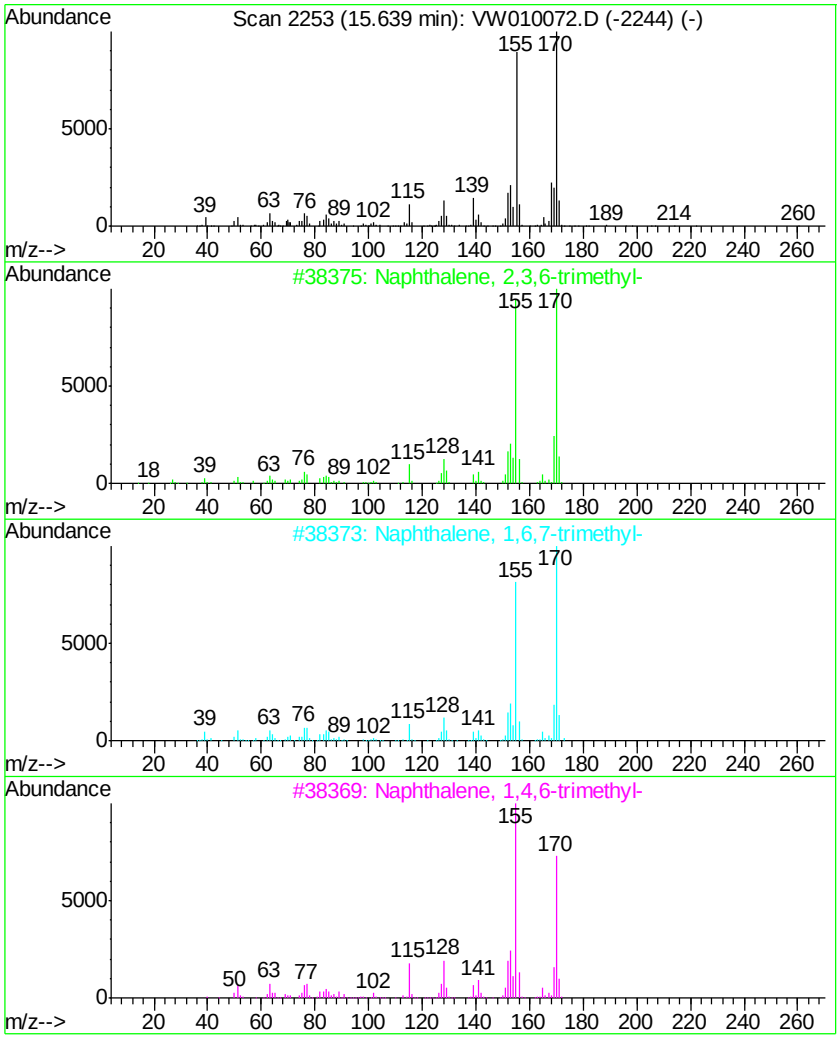
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

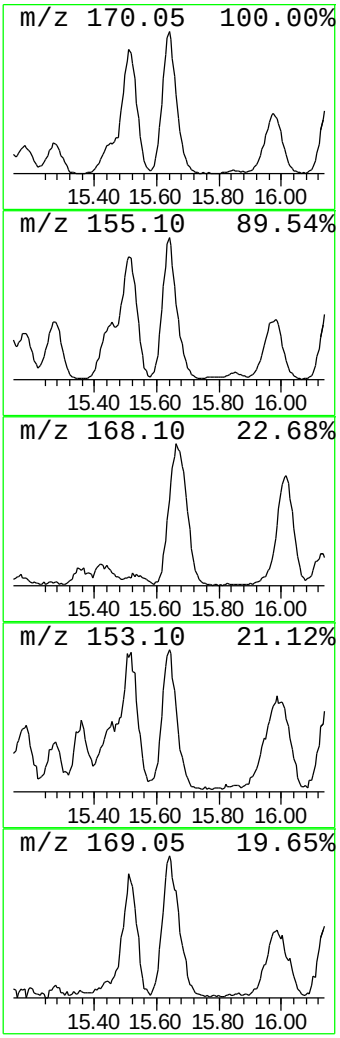
****

Peak Number 19 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	3.67 ug/L	1490720	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Sample : K2455-21
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

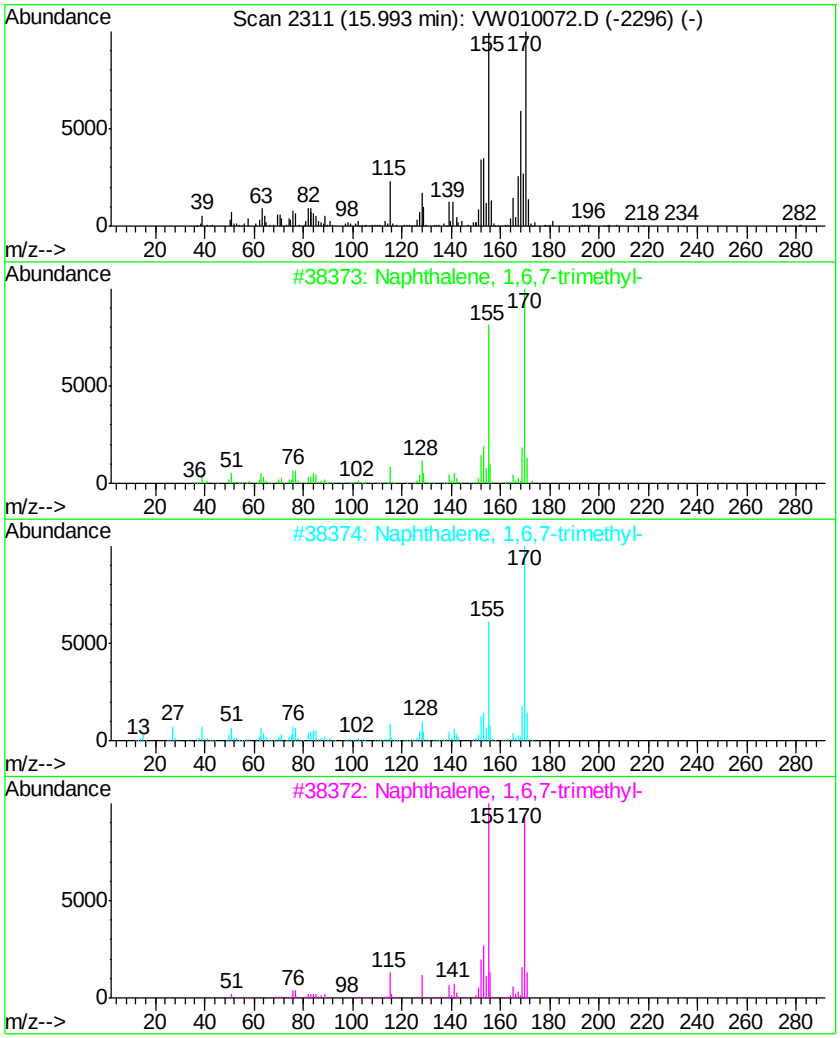
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

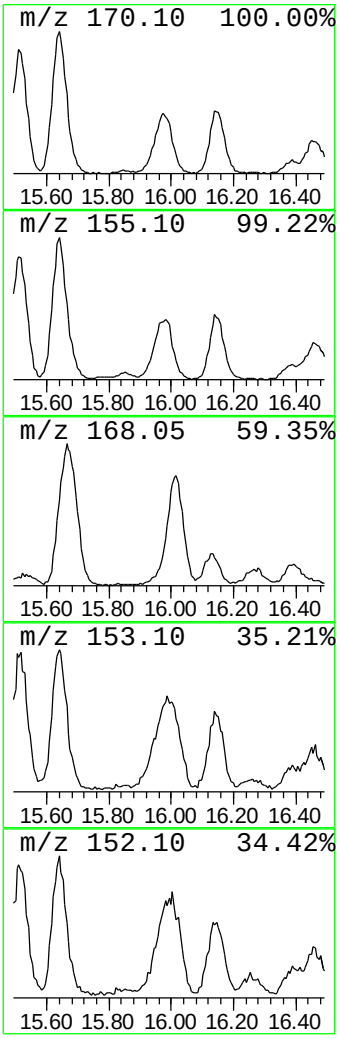
****

Peak Number 20 Naphthalene, 1,4,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.39 ug/L	969211	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
Data File : VW010072.D
Acq On : 19 Apr 2019 18:37
Operator : SY/VA
Sample : K2455-21
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAHS1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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
unknown-01	5.95	1.3	ug/L	7307	1	8.84	138155	25.0
Ethyl Acetate	7.25	4.5	ug/L	24668	1	8.84	138155	25.0
Biphenyl	11.35	46.9	ug/L	2485180	2	11.63	1323960	25.0
Naphthalene, 1-et...	12.41	36.6	ug/L	1940940	2	11.63	1323960	25.0
Naphthalene, 2,6-...	12.88	74.8	ug/L	30354400	3	13.56	10152700	25.0
Naphthalene, 2,3-...	13.32	56.5	ug/L	22930900	3	13.56	10152700	25.0
Naphthalene, 1,7-...	13.46	25.0	ug/L	10152700	3	13.56	10152700	25.0
Naphthalene, 2-et...	13.74	4.5	ug/L	1841800	3	13.56	10152700	25.0
Naphthalene, 1,3-...	13.97	12.7	ug/L	5160340	3	13.56	10152700	25.0
Naphthalene, 1,4-...	14.30	6.6	ug/L	2664990	3	13.56	10152700	25.0
Biphenylene	14.55	12.7	ug/L	5171610	3	13.56	10152700	25.0
1,1'-Biphenyl, 4-...	14.77	3.5	ug/L	1402590	3	13.56	10152700	25.0
Naphthalene, 2,3,...	15.09	4.6	ug/L	1877950	3	13.56	10152700	25.0
Naphthalene, 1,6,...	15.51	2.5	ug/L	1036180	3	13.56	10152700	25.0
Naphthalene, 1,4,...	15.64	3.7	ug/L	1490720	3	13.56	10152700	25.0
Naphthalene, 1,4,...	15.99	2.4	ug/L	969211	3	13.56	10152700	25.0