LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

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\SOM2WLM012720S.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	1.959	5	9	12	rBV3	2457	3090	0.06%	0.007%
2	2.154	36	41	45	rBV	5717	9863	0.19%	0.024%
3	2.209	45	50	51	rBV3	4160	4917	0.09%	0.012%
4	2.349	65	73	89	rBV	344362	623743	11.87%	1.489%
5	2.483	93	95	96	rBV2	3156	2078	0.04%	0.005%
6	2.885	154	161	175	rVB	281356	665150	12.66%	1.588%
7	3.373	240	241	245	rVV3	1387	1864	0.04%	0.004%
8	3.538	263	268	269	rVV5	1193	1499	0.03%	0.004%
9	3.678	287	291	293	rVV4	1364	1730	0.03%	0.004%
10	4.013	333	346	361	rBV	591220	1868172	35.55%	4.459%
11	4.367	400	404	405	rBV3	1388	1984	0.04%	0.005%
12	4.391	405	408	409	rBV2	1340	1528	0.03%	0.004%
13	4.800	472	475	479	rVB3	977	1469	0.03%	0.004%
14	4.915	479	494	507	rBV4	61598	224914	4.28%	0.537%
15	5.110	519	526	527	rBV4	1288	1941	0.04%	0.005%
16	5.141	527	531	532	rBV3	1581	2004	0.04%	0.005%
17	5.940	651	662	673	rBV4	9958	30820	0.59%	0.074%
18	6.885	813	817	818	rBV2	1316	1496	0.03%	0.004%
19	6.909	818	821	828	rVB3	1447	2909	0.06%	0.007%
20	7.074	838	848	853	rBV	144860	403429	7.68%	0.963%
21	7.128	853	857	870	rVV	116156	322603	6.14%	0.770%
22	7.250	870	877	889	rVB2	30537	83026	1.58%	0.198%
23	7.543	923	925	929	rVB5	1741	1856	0.04%	0.004%
24	7.647	930	942	956	rVV	845802	2093501	39.84%	4.997%
25	7.866	975	978	981	rVV4	1064	1327	0.03%	0.003%
26	7.945	985	991	997	rBV7	3198	8358	0.16%	0.020%
27	8.268	1032	1044	1061	rBV2	1809149	5255392	100.00%	12.544%
28	8.476	1076	1078	1082	rVV3	1610	1898	0.04%	0.005%
29	8.628	1099	1103	1108	rVB6	1614	2689	0.05%	0.006%
30	8.689	1108	1113	1115	rBV3	1814	3270	0.06%	0.008%
31	8.841	1127	1138	1154	rBV	1675253	3396371	64.63%	8.107%
32	9.073	1167	1176	1183	rVB3	18793	42731	0.81%	0.102%
33	9.268	1199	1208	1218	rBV	1195161	2436236	46.36%	5.815%
34	9.415	1229	1232	1236	rVB5	1981	3095	0.06%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

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\SOM2WLM012720S.M
Title : VOC Analysis

35	9.585	1257	1260	1263	rVB4	1109	1396	0.03%	0.003%
36	9.658	1265	1272	1281	rVB4	5028	10773	0.20%	0.026%
37	9.884	1306	1309	1314	rBV4	1025	1736	0.03%	0.004%
38	10.030	1320	1333	1344	rBV	634510	1155787	21.99%	2.759%
39	10.207	1359	1362	1369	rVB4	4508	7286	0.14%	0.017%
40	10.323	1372	1381	1387	rBV	2479971	4393118	83.59%	10.486%
41	10.384	1387	1391	1401	rVB	97474	175501	3.34%	0.419%
42	10.573	1414	1422	1435	rBV	397422	689022	13.11%	1.645%
43	10.701	1436	1443	1451	rVB	136093	246008	4.68%	0.587%
44	10.847	1460	1467	1472	rBV9	4437	9897	0.19%	0.024%
45	10.920	1472	1479	1493	rVV	585284	973864	18.53%	2.325%
46	11.061	1496	1502	1510	rVB2	91920	157956	3.01%	0.377%
47	11.170	1517	1520	1525	rVB4	4606	7869	0.15%	0.019%
48	11.335	1545	1547	1549	rBV3	1622	1610	0.03%	0.004%
49	11.372	1551	1553	1555	rBV3	1631	1803	0.03%	0.004%
50	11.439	1555	1564	1571	rBV	53871	99977	1.90%	0.239%
51	11.518	1571	1577	1578	rBV4	2271	3217	0.06%	0.008%
52	11.628	1587	1595	1603	rBV	2258052	3784450	72.01%	9.033%
53	11.841	1625	1630	1632	rBV5	5278	11446	0.22%	0.027%
54	11.871	1632	1635	1643	rVB	15353	25400	0.48%	0.061%
55	12.128	1674	1677	1678	rBV2	1315	1208	0.02%	0.003%
56	12.164	1678	1683	1692	rVV9	8552	21469	0.41%	0.051%
57	12.408	1710	1723	1724	rBV9	12100	32287	0.61%	0.077%
58	12.603	1749	1755	1762	rVB	168506	290360	5.52%	0.693%
59	12.688	1762	1769	1778	rBV	775671	1256287	23.90%	2.999%
60	12.883	1780	1801	1807	rBV4	149339	802837	15.28%	1.916%
61	13.030	1823	1825	1831	rVV7	3228	4720	0.09%	0.011%
62	13.079	1831	1833	1839	rVB5	4753	6968	0.13%	0.017%
63	13.164	1844	1847	1849	rBV4	2517	3492	0.07%	0.008%
64	13.188	1849	1851	1854	rBV3	3106	4265	0.08%	0.010%
65	13.304	1856	1870	1883	rBV4	184037	813278	15.48%	1.941%
66	13.450	1883	1894	1905	rVV3	81574	359127	6.83%	0.857%
67	13.554	1905	1911	1919	rVV	2041310	3262511	62.08%	7.788%
68	13.646	1921	1926	1933	rVV	249822	376181	7.16%	0.898%
69	13.755	1942	1944	1948	rVB5	13396	17191	0.33%	0.041%
70	13.798	1948	1951	1953	rVV5	3819	5249	0.10%	0.013%
71	13.853	1953	1960	1967	rVV	1880020	3143842	59.82%	7.504%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

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\SOM2WLM012720S.M
Title : VOC Analysis

72	13.956	1970	1977	1990	rVV4	67317	246468	4.69%	0.588%
73	14.072	1990	1996	2005	rVB2	62534	115705	2.20%	0.276%
74	14.200	2012	2017	2020	rBV5	6005	10849	0.21%	0.026%
75	14.322	2025	2037	2049	rVV8	40936	161055	3.06%	0.384%
76	14.408	2049	2051	2052	rVV2	2632	2095	0.04%	0.005%
77	14.469	2056	2061	2062	rVV5	9362	13561	0.26%	0.032%
78	14.523	2062	2070	2085	rVB4	107563	266307	5.07%	0.636%
79	14.651	2090	2091	2093	rBV2	1844	1311	0.02%	0.003%
80	14.682	2093	2096	2099	rBV4	3187	4172	0.08%	0.010%
81	14.725	2099	2103	2105	rBV4	10165	13432	0.26%	0.032%
82	14.792	2111	2114	2119	rVB2	10217	15642	0.30%	0.037%
83	14.950	2132	2140	2149	rVB7	23850	62281	1.19%	0.149%
84	15.078	2150	2161	2169	rBV7	18874	75168	1.43%	0.179%
85	15.176	2173	2177	2183	rVB9	15160	26725	0.51%	0.064%
86	15.316	2198	2200	2204	rVB5	2315	2083	0.04%	0.005%
87	15.365	2204	2208	2212	rBV	10311	15732	0.30%	0.038%
88	15.438	2212	2220	2224	rVV	50946	96346	1.83%	0.230%
89	15.487	2224	2228	2237	rVB7	14173	40196	0.76%	0.096%
90	15.621	2243	2250	2260	rBV5	20917	77431	1.47%	0.185%
91	15.761	2270	2273	2276	rBV4	3658	4974	0.09%	0.012%
92	15.798	2276	2279	2282	rVV5	4698	6029	0.11%	0.014%
93	15.840	2284	2286	2291	rVB6	6620	9829	0.19%	0.023%
94	15.950	2297	2304	2323	rVB6	16036	63083	1.20%	0.151%
95	16.285	2357	2359	2361	rBV3	1620	1174	0.02%	0.003%
96	16.371	2363	2373	2377	rBV9	16480	50245	0.96%	0.120%
97	16.444	2378	2385	2390	rBV2	53109	125756	2.39%	0.300%
98	16.639	2410	2417	2428	rVB	313101	713771	13.58%	1.704%
99	16.718	2428	2430	2433	rBV4	2896	4486	0.09%	0.011%
100	16.779	2438	2440	2441	rBV2	2462	1925	0.04%	0.005%

Sum of corrected areas: 41894172

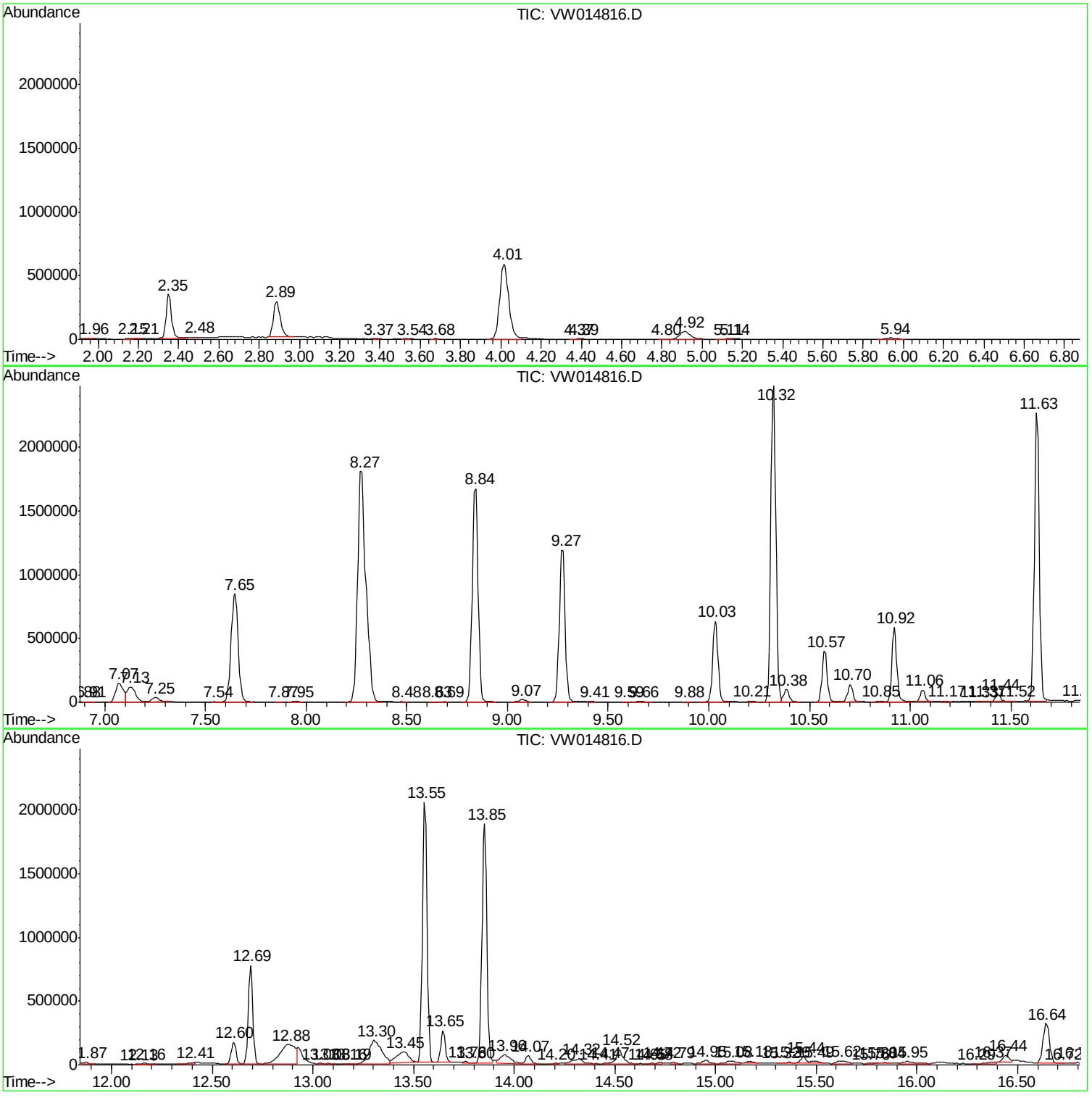
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

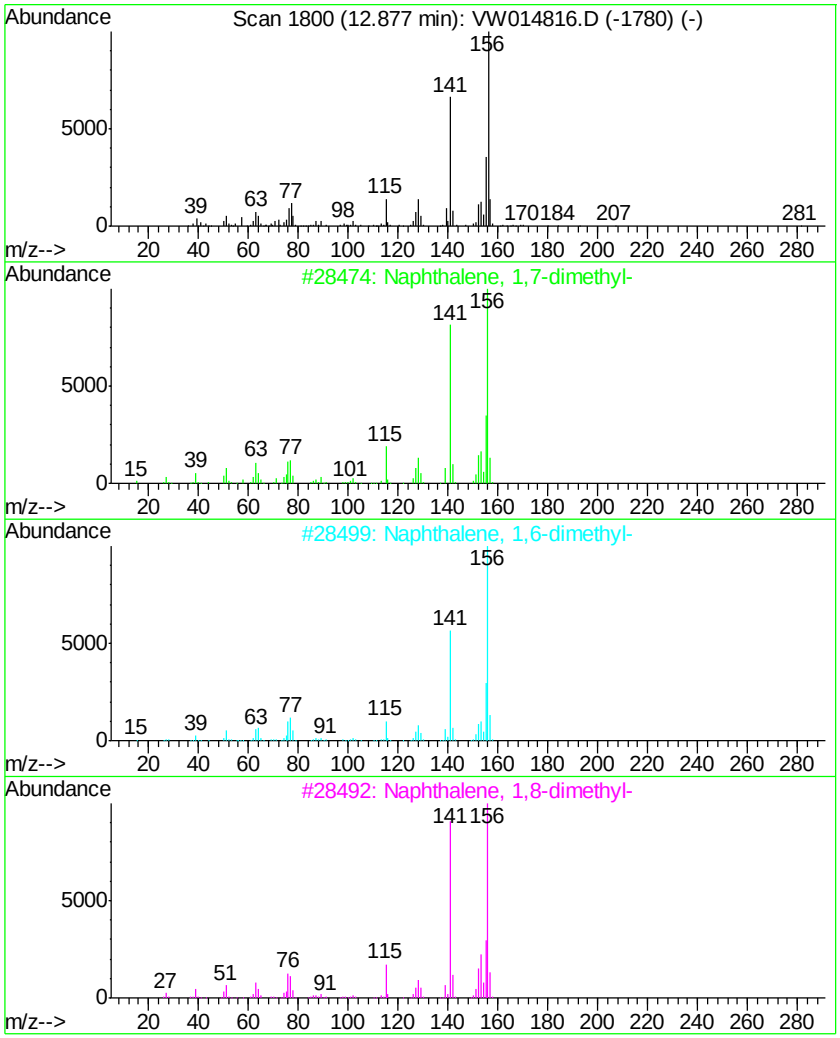
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

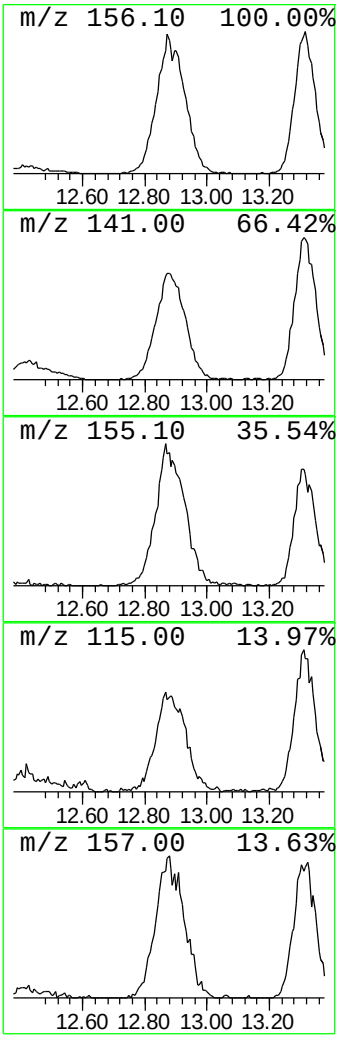
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	6.15 ug/L	802837	1,4-Dichlorobenzene-d4	13.55

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, 1,8-dimethyl-	156	C12H12	000569-41-5	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

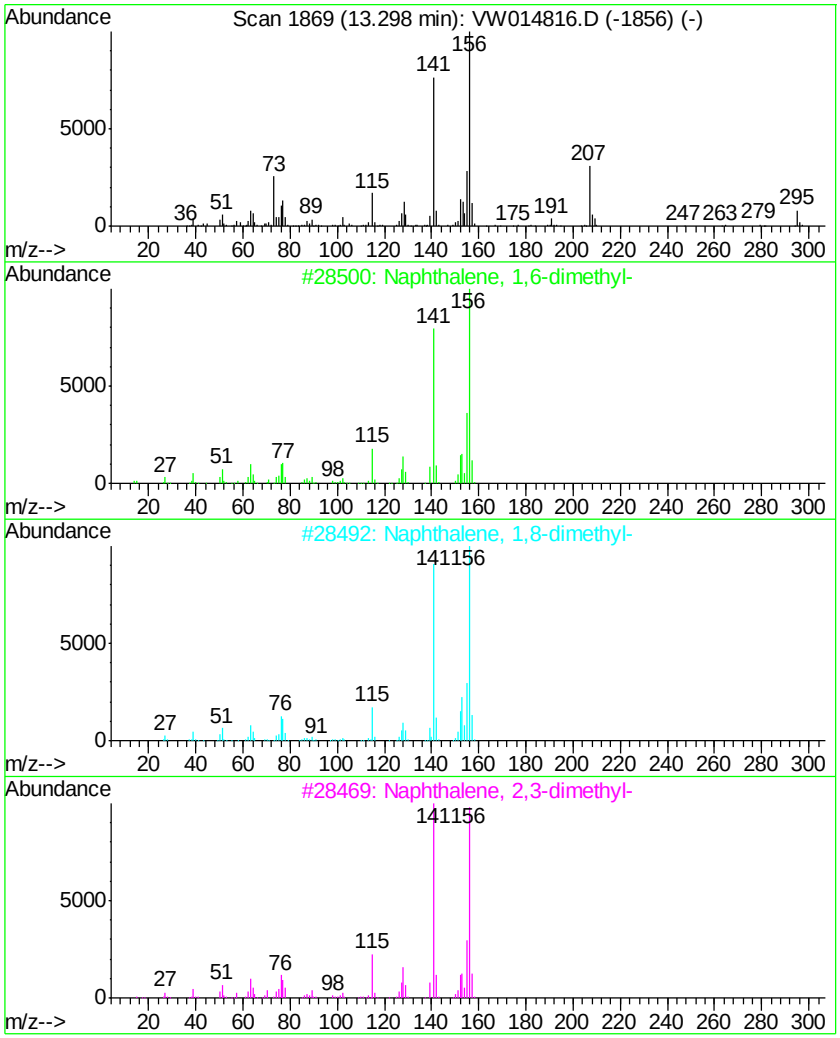
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

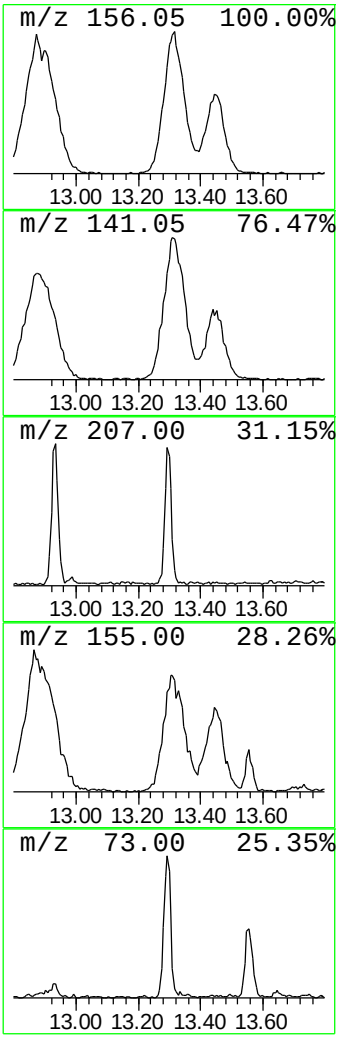
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	6.23 ug/L	813278	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

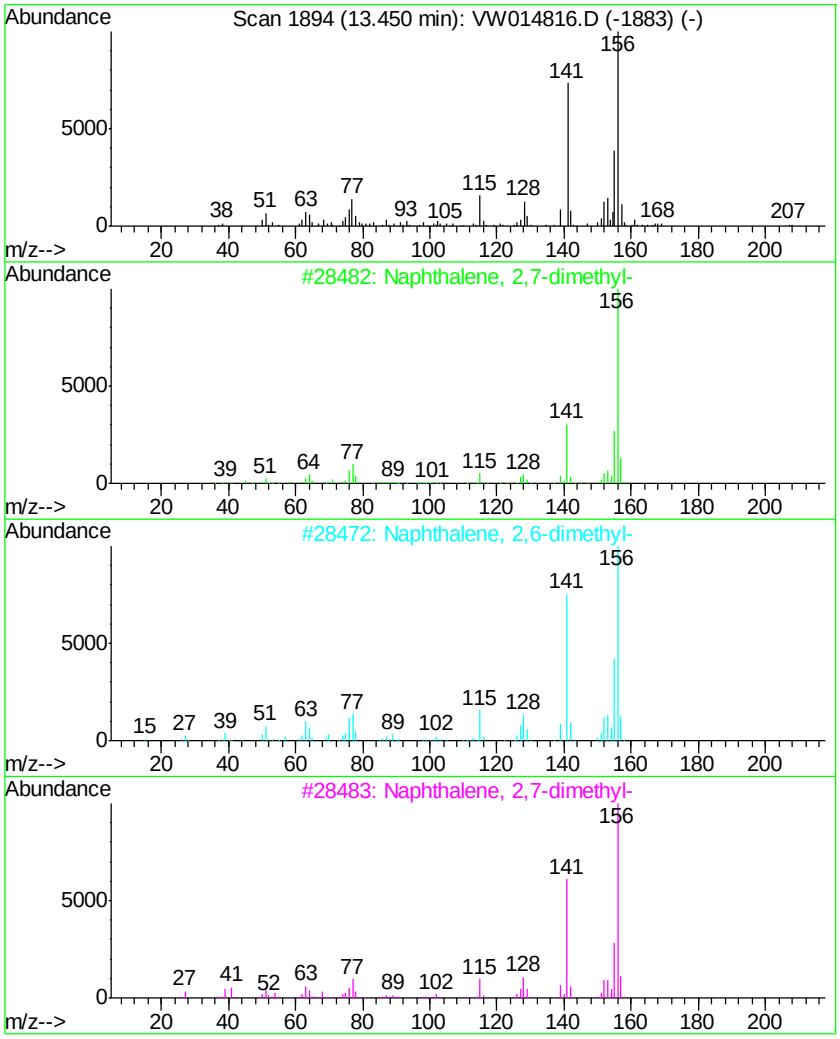
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

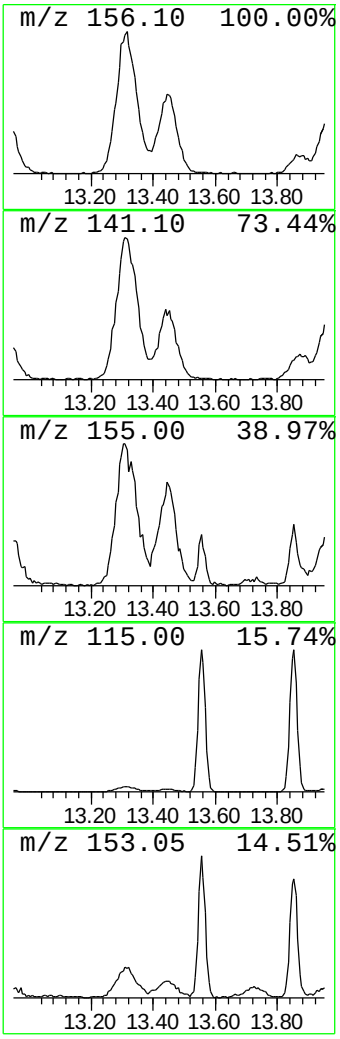
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.75 ug/L	359127	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

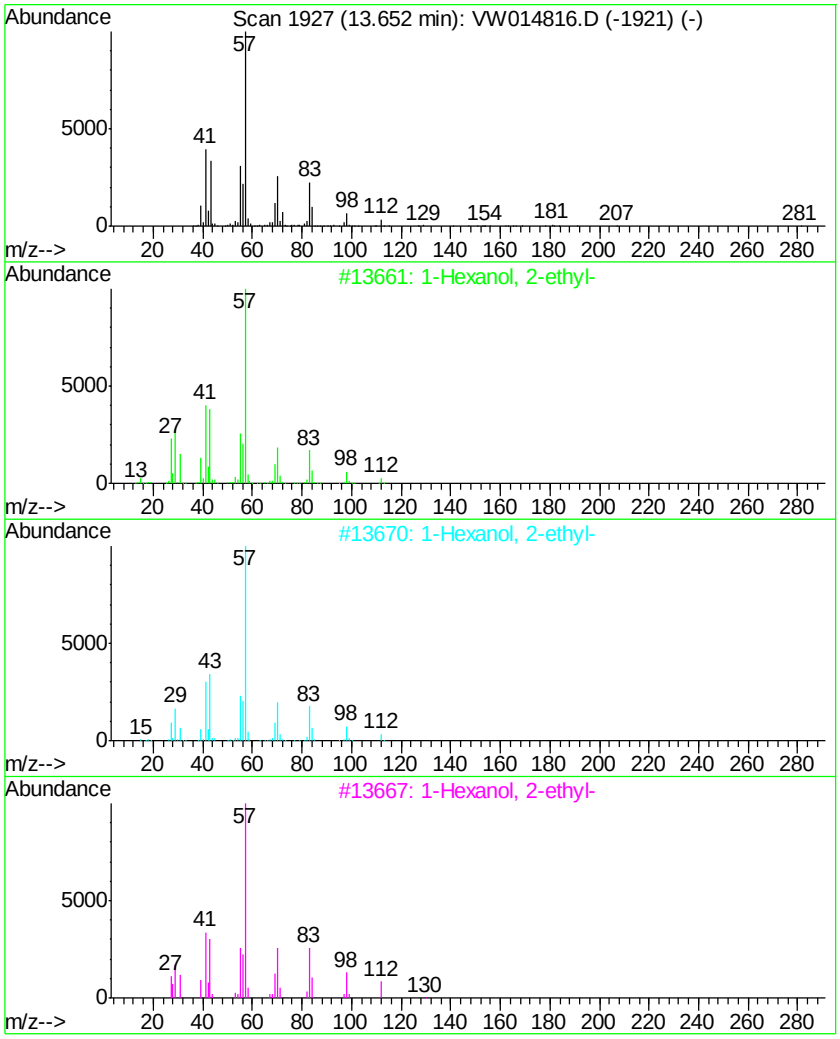
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

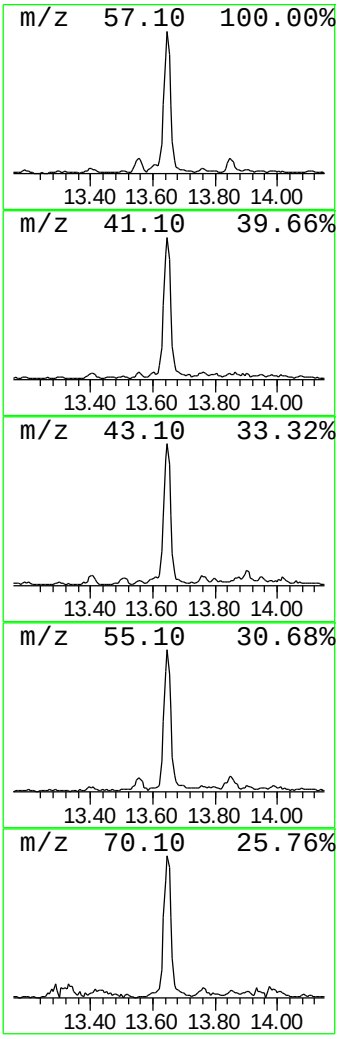
****

Peak Number 8 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.88 ug/L	376181	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

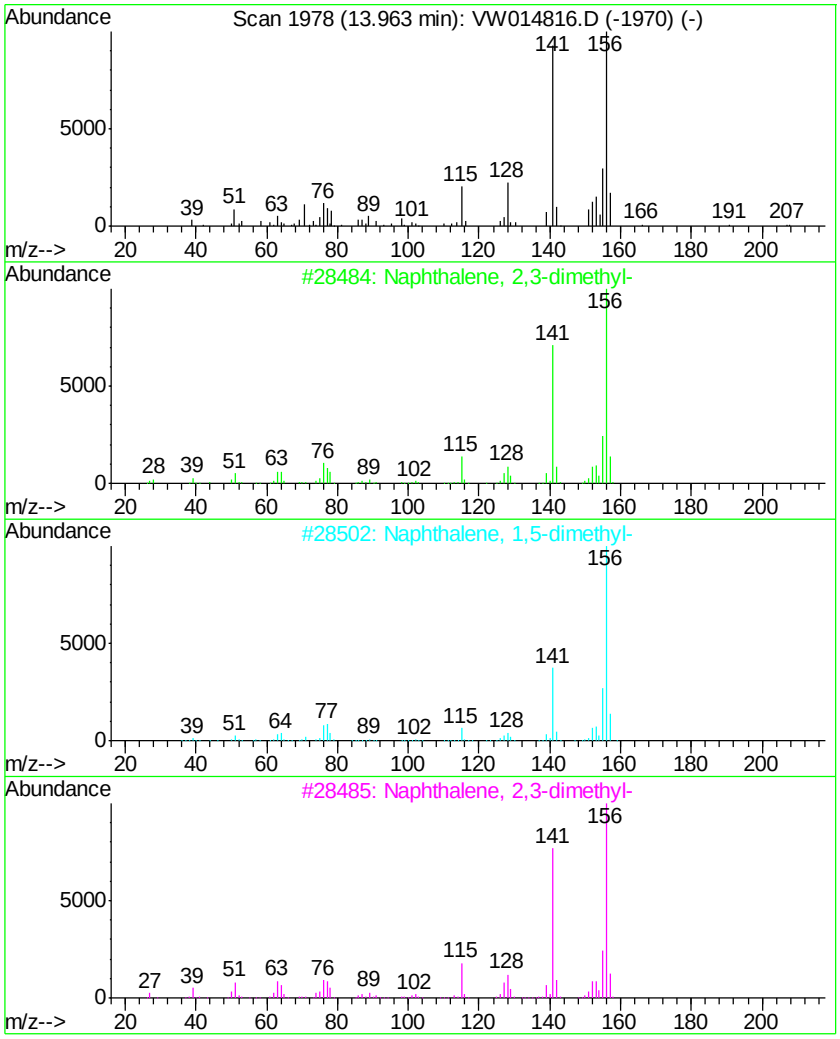
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

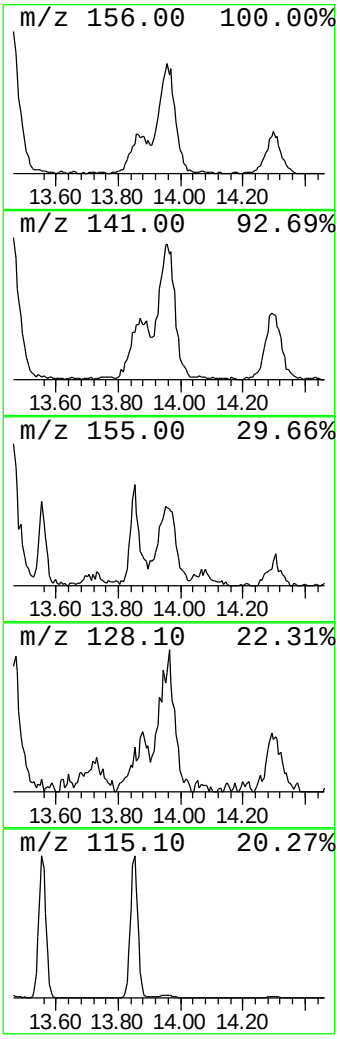
****

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	1.89 ug/L	246468	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

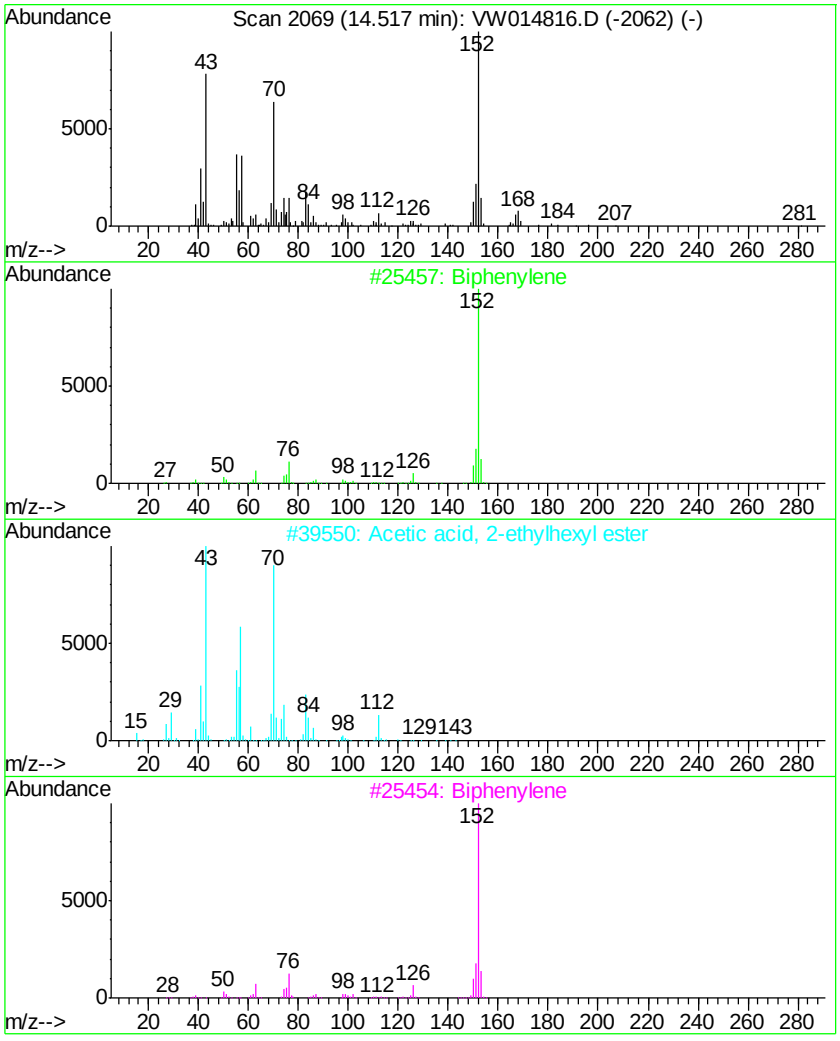
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

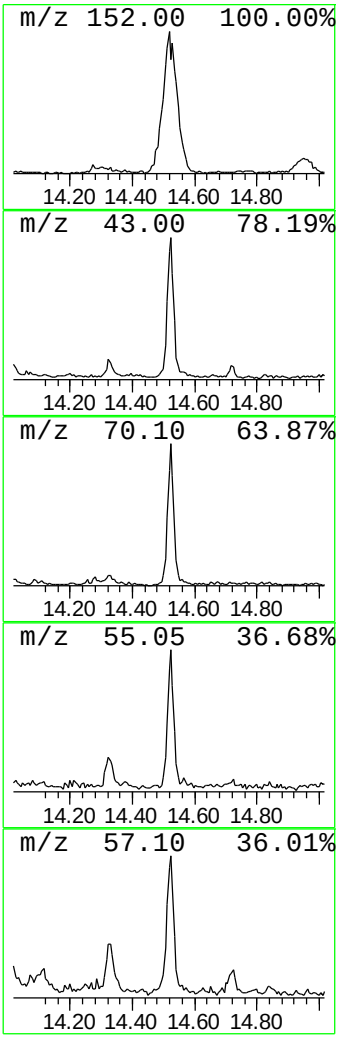
****

Peak Number 10 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	2.04 ug/L	266307	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	43
2	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	41
3	Biphenylene	152	C12H8	000259-79-0	38
4	Acenaphthylene	152	C12H8	000208-96-8	38
5	Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis

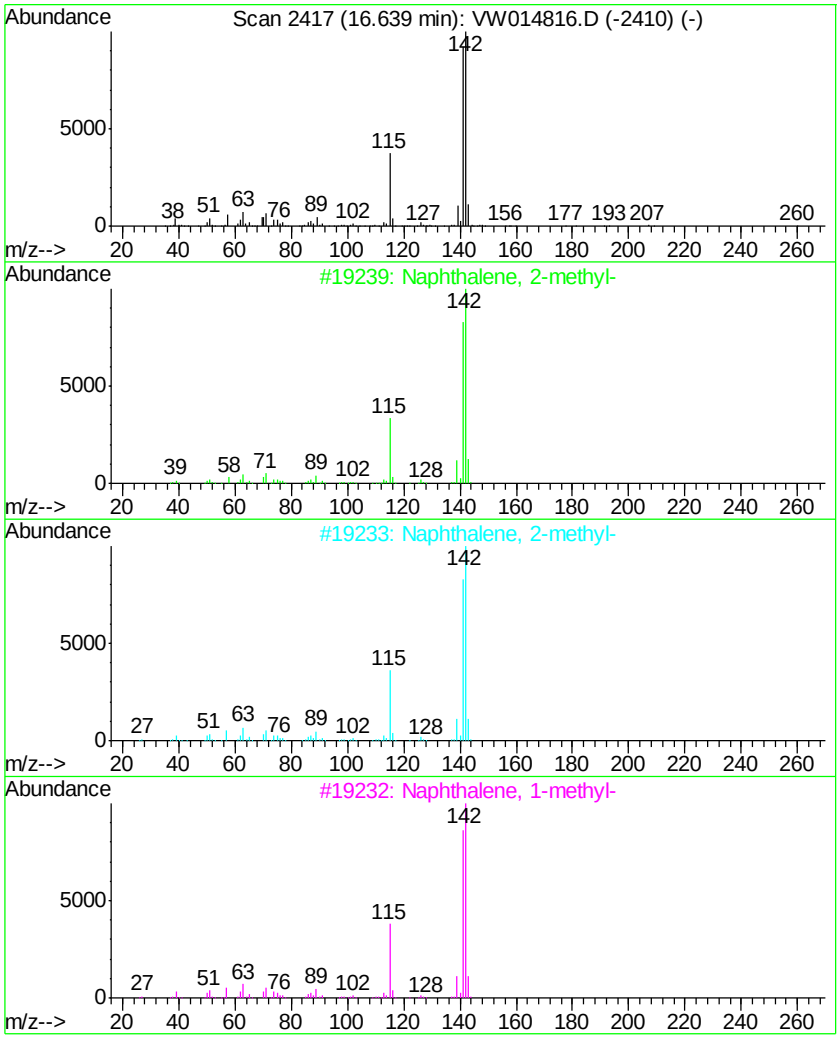
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

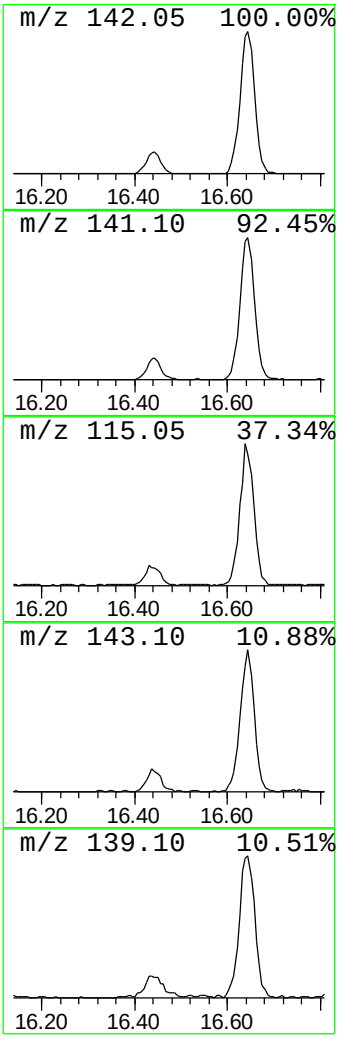
****

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	5.47 ug/L	713771	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW013020\
Data File : VW014816.D
Acq On : 30 Jan 2020 19:03
Operator : SY/VA
Sample : L1323-01
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAT41

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.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
Naphthalene, 1,7-...	12.88	6.2	ug/L	802837	3	13.55	3262510	25.0
Naphthalene, 1,6-...	13.30	6.2	ug/L	813278	3	13.55	3262510	25.0
Naphthalene, 2,7-...	13.45	2.8	ug/L	359127	3	13.55	3262510	25.0
1-Hexanol, 2-ethyl-	13.65	2.9	ug/L	376181	3	13.55	3262510	25.0
Naphthalene, 2,3-...	13.96	1.9	ug/L	246468	3	13.55	3262510	25.0
unknown-01	14.52	2.0	ug/L	266307	3	13.55	3262510	25.0
Naphthalene, 1-me...	16.64	5.5	ug/L	713771	3	13.55	3262510	25.0