LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

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_U\METHOD\SOMULM011420WMA.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	1.613	78	85	97	rBV	237123	250978	12.61%	1.225%
2	1.932	176	184	198	rVB	201339	264941	13.32%	1.293%
3	2.539	370	373	375	rBV3	893	617	0.03%	0.003%
4	2.594	377	390	404	rBV	392368	651918	32.77%	3.181%
5	2.806	452	456	459	rBV4	1164	1325	0.07%	0.006%
6	2.899	483	485	492	rVB4	1113	1139	0.06%	0.006%
7	2.935	492	496	499	rBV3	1068	772	0.04%	0.004%
8	3.012	516	520	523	rVB4	1059	765	0.04%	0.004%
9	3.035	523	527	532	rBV4	879	768	0.04%	0.004%
10	3.080	535	541	549	rVV7	2659	3920	0.20%	0.019%
11	3.170	565	569	571	rBV2	771	522	0.03%	0.003%
12	3.227	575	587	602	rVB2	13330	28883	1.45%	0.141%
13	3.472	658	663	665	rBV3	833	648	0.03%	0.003%
14	3.549	684	687	692	rBV3	953	733	0.04%	0.004%
15	3.806	765	767	774	rVB5	768	715	0.04%	0.003%
16	3.854	778	782	784	rBV2	856	576	0.03%	0.003%
17	3.993	822	825	832	rBV3	796	990	0.05%	0.005%
18	4.089	850	855	857	rBV3	999	678	0.03%	0.003%
19	4.134	863	869	873	rBV3	1251	1386	0.07%	0.007%
20	4.266	908	910	915	rVB3	939	752	0.04%	0.004%
21	4.298	915	920	925	rBV3	705	568	0.03%	0.003%
22	4.333	927	931	936	rBV2	657	796	0.04%	0.004%
23	4.398	946	951	953	rBV	796	633	0.03%	0.003%
24	4.681	1022	1039	1062	rBV	204433	504937	25.38%	2.464%
25	4.867	1095	1097	1104	rBV7	1144	1193	0.06%	0.006%
26	5.112	1156	1173	1194	rVV	355784	809631	40.69%	3.951%
27	5.333	1238	1242	1251	rVB7	2188	3028	0.15%	0.015%
28	5.546	1304	1308	1310	rVB2	740	557	0.03%	0.003%
29	5.674	1342	1348	1351	rBV3	523	563	0.03%	0.003%
30	5.768	1355	1377	1401	rBV2	752010	1989528	100.00%	9.708%
31	6.089	1474	1477	1480	rBV4	1474	892	0.04%	0.004%
32	6.186	1504	1507	1509	rBV3	921	570	0.03%	0.003%
33	6.202	1509	1512	1516	rBV3	863	751	0.04%	0.004%
34	6.288	1524	1539	1558	rBV	647968	1206194	60.63%	5.886%

LSC Area Percent Report

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Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

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_U\METHOD\SOMULM011420WMA.M
Title : VOC Analysis

35	6.462	1588	1593	1594	rBV3	885	808	0.04%	0.004%
36	6.568	1613	1626	1637	rVB2	23635	43913	2.21%	0.214%
37	6.613	1637	1640	1644	rBV5	647	493	0.02%	0.002%
38	6.652	1650	1652	1656	rVB3	908	498	0.03%	0.002%
39	6.732	1661	1677	1695	rBV	459529	905245	45.50%	4.417%
40	7.083	1784	1786	1790	rVB3	767	510	0.03%	0.002%
41	7.108	1790	1794	1798	rBV2	1173	1014	0.05%	0.005%
42	7.131	1798	1801	1804	rVB3	1014	728	0.04%	0.004%
43	7.218	1823	1828	1833	rVV5	2552	3002	0.15%	0.015%
44	7.266	1838	1843	1847	rVB2	773	620	0.03%	0.003%
45	7.292	1847	1851	1857	rBV3	765	698	0.04%	0.003%
46	7.391	1880	1882	1886	rVB2	1074	661	0.03%	0.003%
47	7.411	1886	1888	1891	rBV2	840	512	0.03%	0.002%
48	7.600	1934	1947	1965	rVV	281898	498607	25.06%	2.433%
49	7.806	2009	2011	2014	rVV2	826	651	0.03%	0.003%
50	7.829	2014	2018	2029	rVB8	2827	3893	0.20%	0.019%
51	7.931	2035	2050	2065	rBV	949652	1643608	82.61%	8.020%
52	8.150	2114	2118	2124	rBV5	1178	1172	0.06%	0.006%
53	8.211	2124	2137	2154	rBV	202062	350119	17.60%	1.708%
54	8.372	2184	2187	2191	rVB4	1608	1131	0.06%	0.006%
55	8.584	2246	2253	2257	rVB8	1676	2017	0.10%	0.010%
56	8.668	2266	2279	2309	rBV	589342	1153782	57.99%	5.630%
57	8.886	2345	2347	2349	rVB2	1182	549	0.03%	0.003%
58	8.947	2362	2366	2367	rBV3	1016	636	0.03%	0.003%
59	9.012	2384	2386	2391	rVB2	876	577	0.03%	0.003%
60	9.047	2391	2397	2400	rBV4	1106	967	0.05%	0.005%
61	9.099	2410	2413	2418	rVB5	672	575	0.03%	0.003%
62	9.140	2423	2426	2429	rBV3	856	508	0.03%	0.002%
63	9.269	2464	2466	2473	rVB3	724	655	0.03%	0.003%
64	9.369	2492	2497	2501	rVB5	858	917	0.05%	0.004%
65	9.391	2501	2504	2506	rBV2	932	635	0.03%	0.003%
66	9.446	2506	2521	2542	rBV	889065	1490579	74.92%	7.273%
67	9.591	2561	2566	2568	rBV2	2391	2034	0.10%	0.010%
68	9.719	2595	2606	2615	rBV	18935	32196	1.62%	0.157%
69	9.835	2638	2642	2647	rVB4	862	802	0.04%	0.004%
70	9.864	2647	2651	2655	rBV2	812	506	0.03%	0.002%
71	10.082	2715	2719	2722	rBV2	1140	724	0.04%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

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_U\METHOD\SOMULM011420WMA.M
Title : VOC Analysis

72	10.131	2722	2734	2744	rVV4	9205	16960	0.85%	0.083%
73	10.182	2748	2750	2754	rVV3	808	603	0.03%	0.003%
74	10.269	2775	2777	2782	rVV3	801	661	0.03%	0.003%
75	10.320	2790	2793	2798	rVB3	800	649	0.03%	0.003%
76	10.353	2800	2803	2807	rVB3	1266	713	0.04%	0.003%
77	10.385	2807	2813	2816	rBV4	774	668	0.03%	0.003%
78	10.497	2844	2848	2849	rBV	1187	809	0.04%	0.004%
79	10.517	2852	2854	2857	rVB2	1361	871	0.04%	0.004%
80	10.571	2869	2871	2875	rVB3	906	498	0.03%	0.002%
81	10.780	2924	2936	2954	rBV	643962	1065045	53.53%	5.197%
82	11.314	3099	3102	3103	rBV4	1927	1142	0.06%	0.006%
83	11.410	3129	3132	3133	rBV3	1660	818	0.04%	0.004%
84	11.491	3149	3157	3165	rBV2	17284	25545	1.28%	0.125%
85	11.758	3230	3240	3251	rVB6	14398	29337	1.47%	0.143%
86	11.835	3252	3264	3279	rVB	874769	1429775	71.87%	6.977%
87	11.979	3301	3309	3311	rBV8	5145	7159	0.36%	0.035%
88	12.214	3372	3382	3401	rVB	945811	1595868	80.21%	7.787%
89	12.340	3414	3421	3432	rVB4	46967	80028	4.02%	0.390%
90	13.446	3758	3765	3773	rBV5	38449	68447	3.44%	0.334%
91	14.105	3960	3970	3983	rVB	585673	914759	45.98%	4.464%
92	14.462	4076	4081	4090	rVB2	24243	32393	1.63%	0.158%
93	15.237	4311	4322	4345	rVB	660145	1062870	53.42%	5.186%
94	15.426	4370	4381	4398	rVB	293628	499434	25.10%	2.437%
95	15.966	4541	4549	4562	rVB	150393	236553	11.89%	1.154%
96	16.163	4604	4610	4617	rVB2	46934	60583	3.05%	0.296%
97	16.275	4635	4645	4666	rVB	310576	559757	28.14%	2.731%
98	16.423	4682	4691	4697	rBV	323542	496729	24.97%	2.424%
99	16.799	4802	4808	4826	rVB	72140	118950	5.98%	0.580%
100	16.896	4829	4838	4851	rVB2	188208	306798	15.42%	1.497%

Sum of corrected areas: 20493831

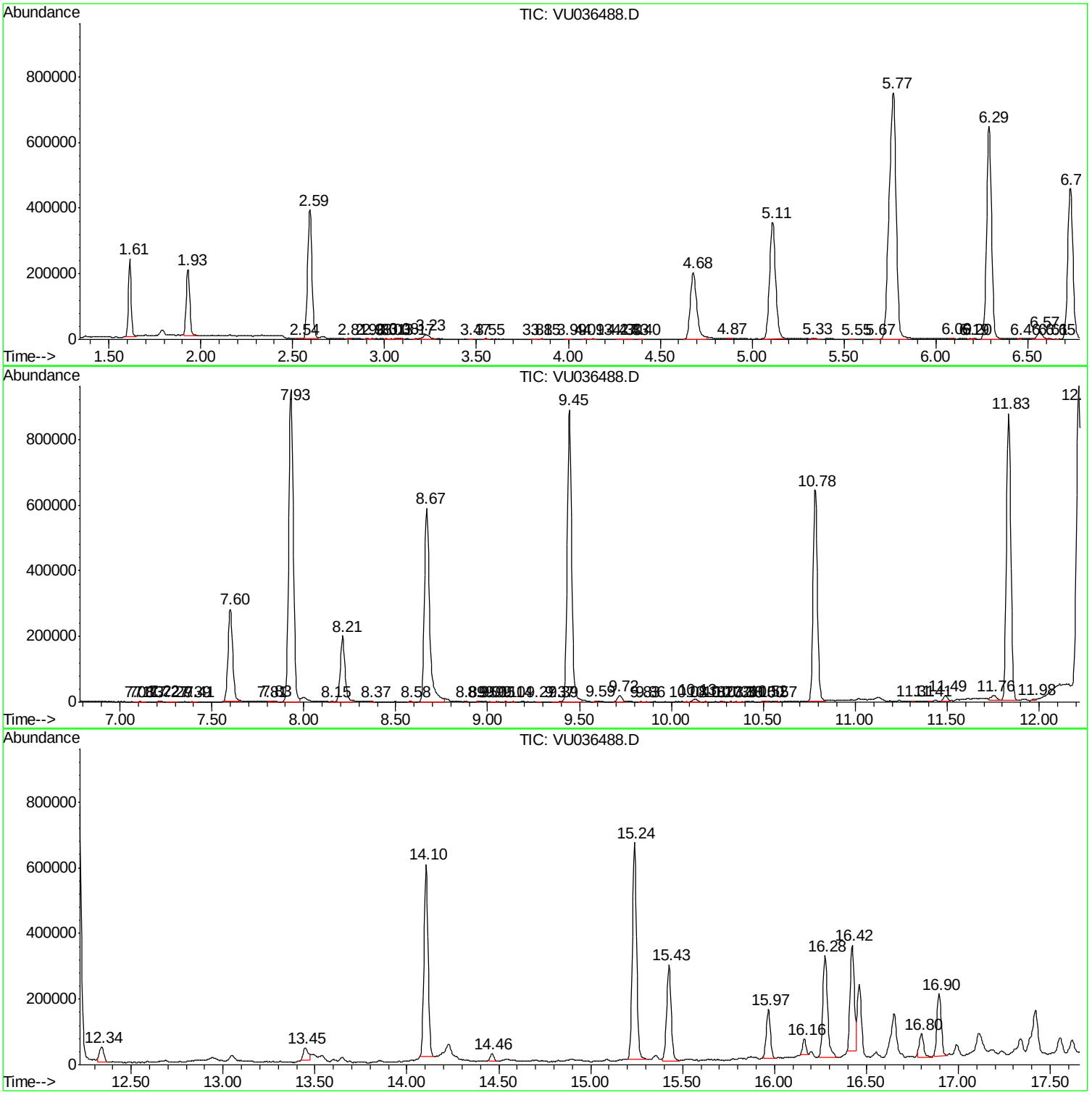
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

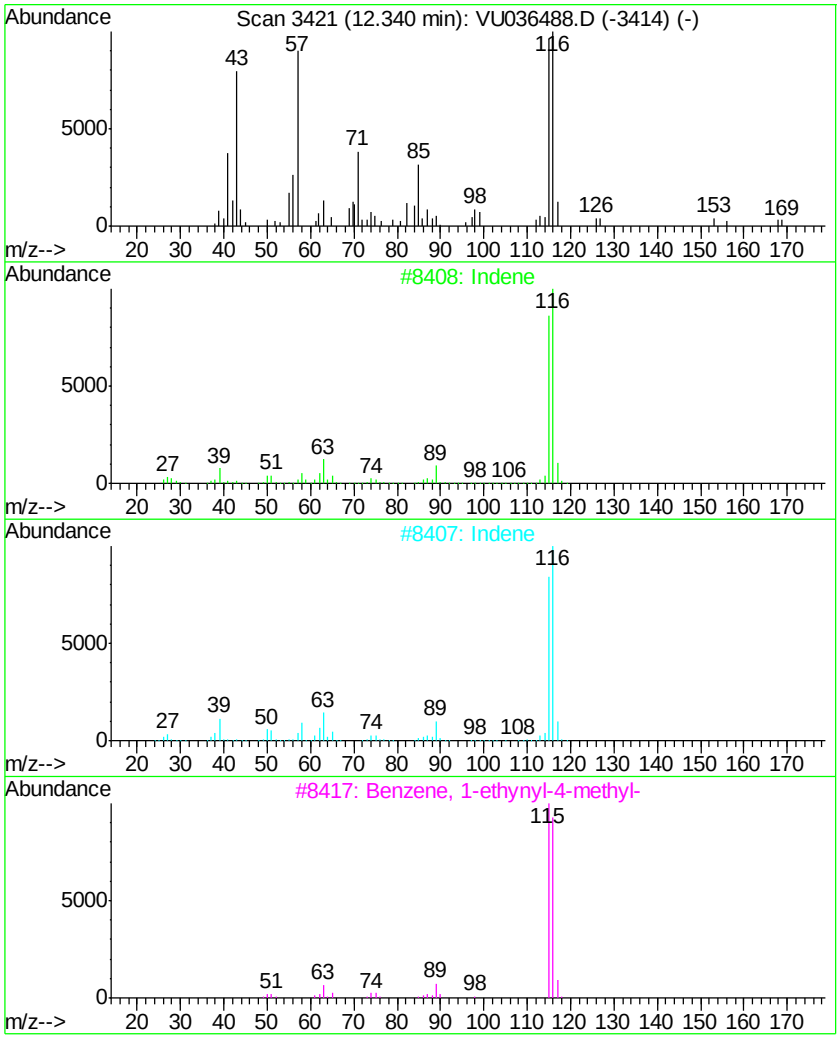
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

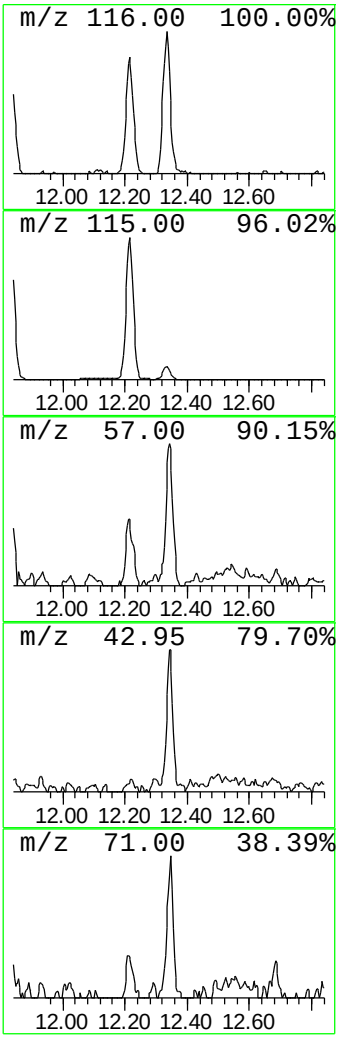
****

Peak Number 2 Indene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.80 ug/L	80028	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	55
2	Indene	116	C9H8	000095-13-6	49
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	49
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	49
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

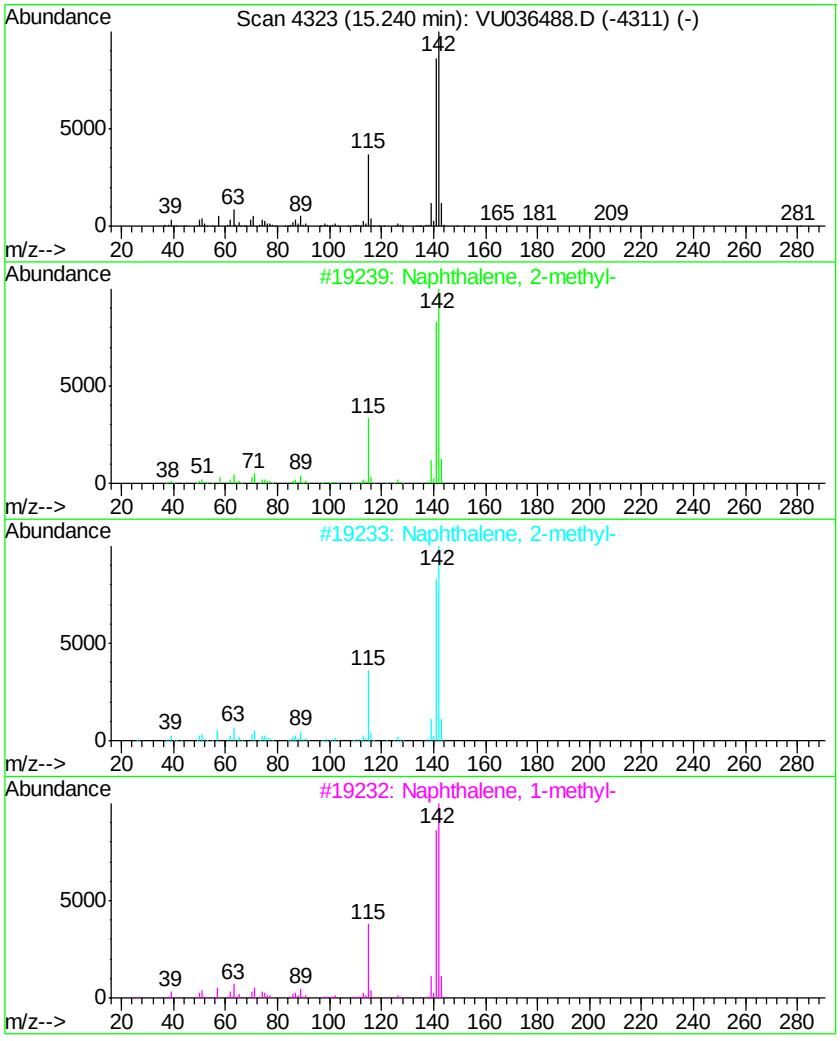
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

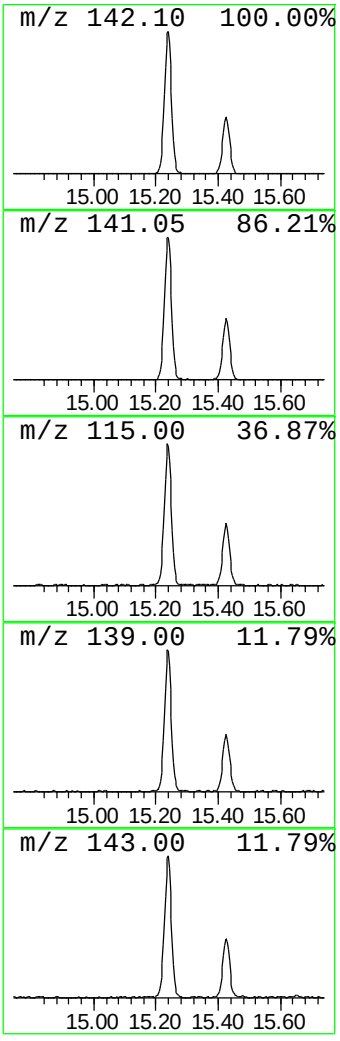
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	37.17 ug/L	1062870	1,4-Dichlorobenzene-d4	11.83

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

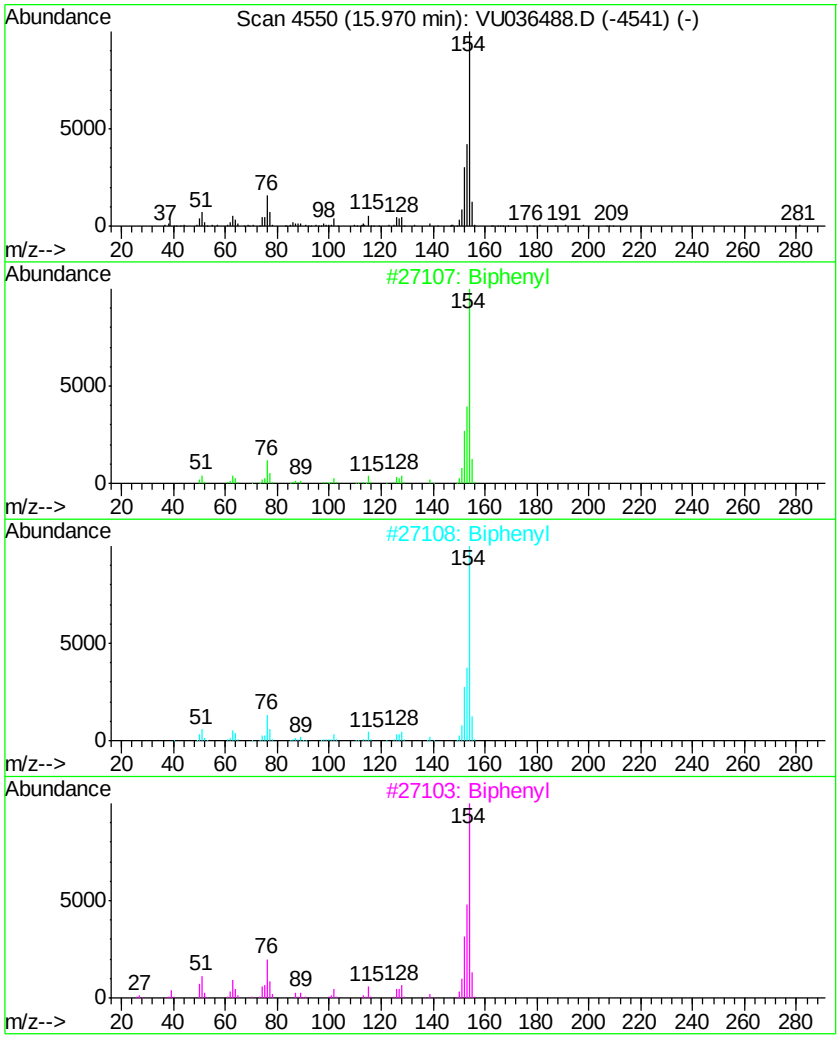
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

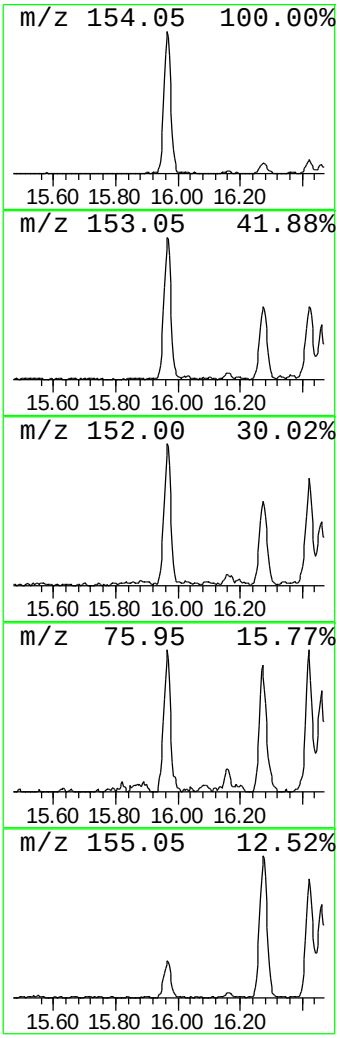
****

Peak Number 6 Biphenyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	8.27 ug/L	236553	1,4-Dichlorobenzene-d4	11.83

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	93
4	Biphenyl	154	C12H10	000092-52-4	93
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

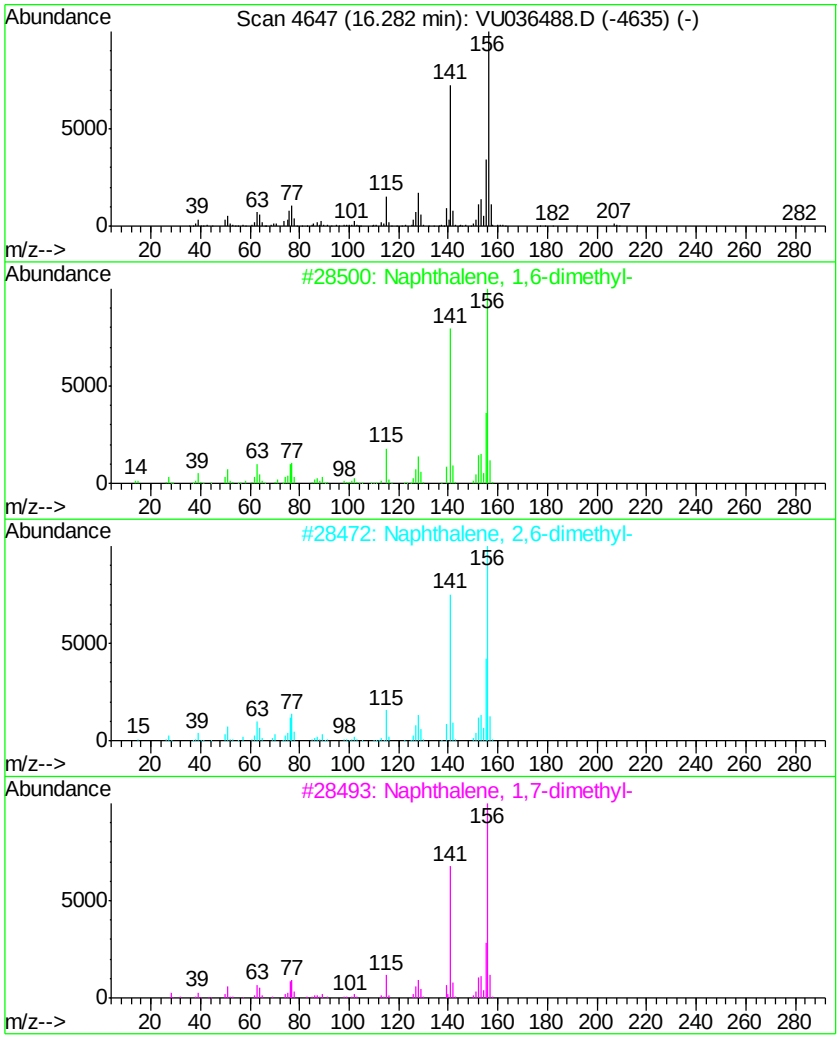
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

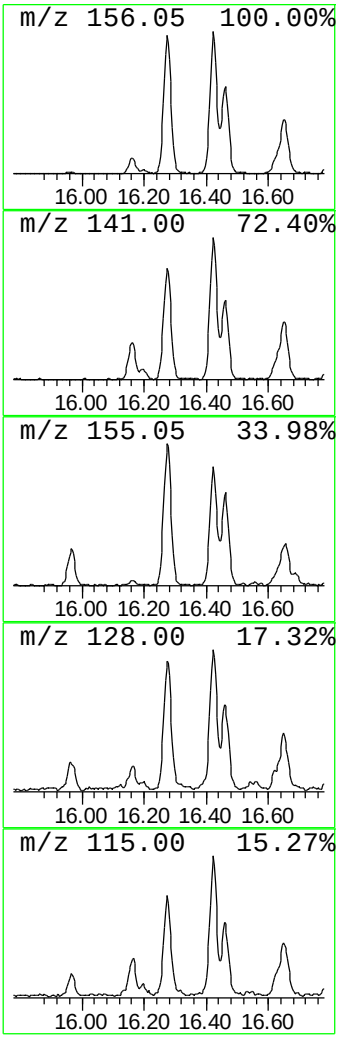
****

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	19.58 ug/L	559757	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

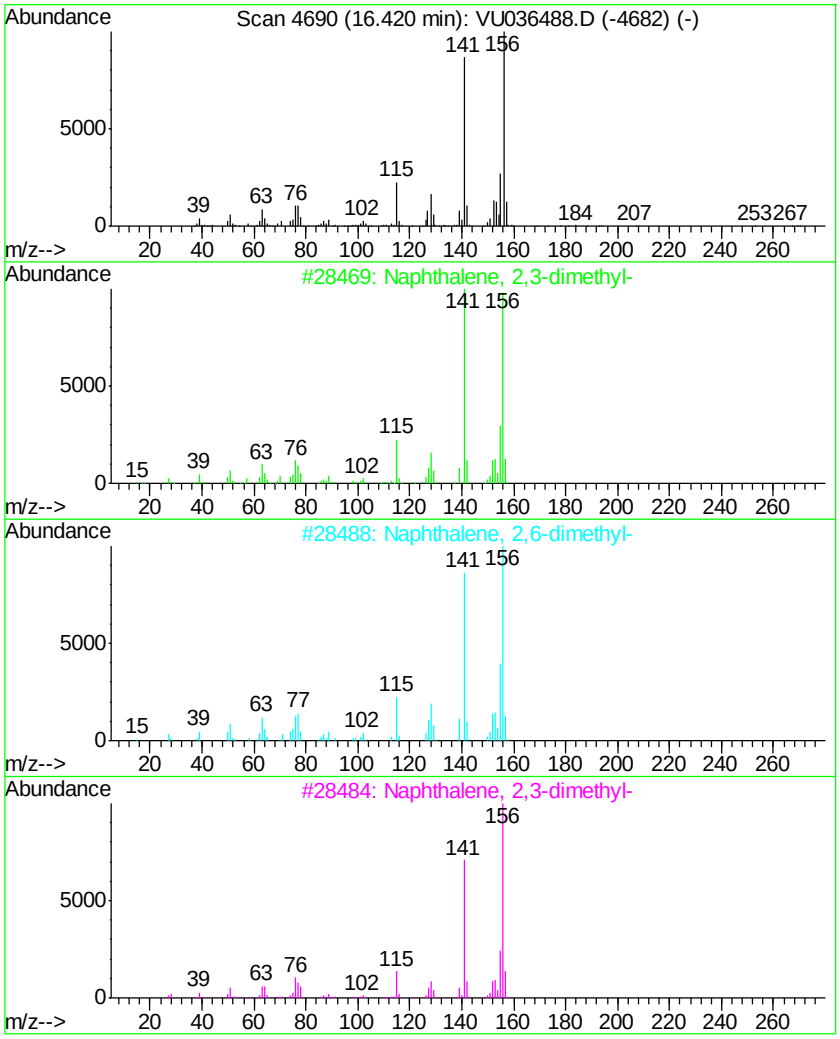
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

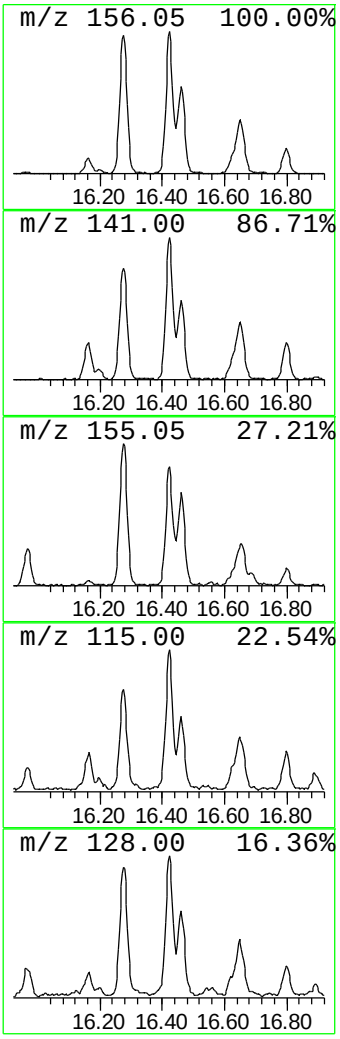
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	17.37 ug/L	496729	1,4-Dichlorobenzene-d4	11.83

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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

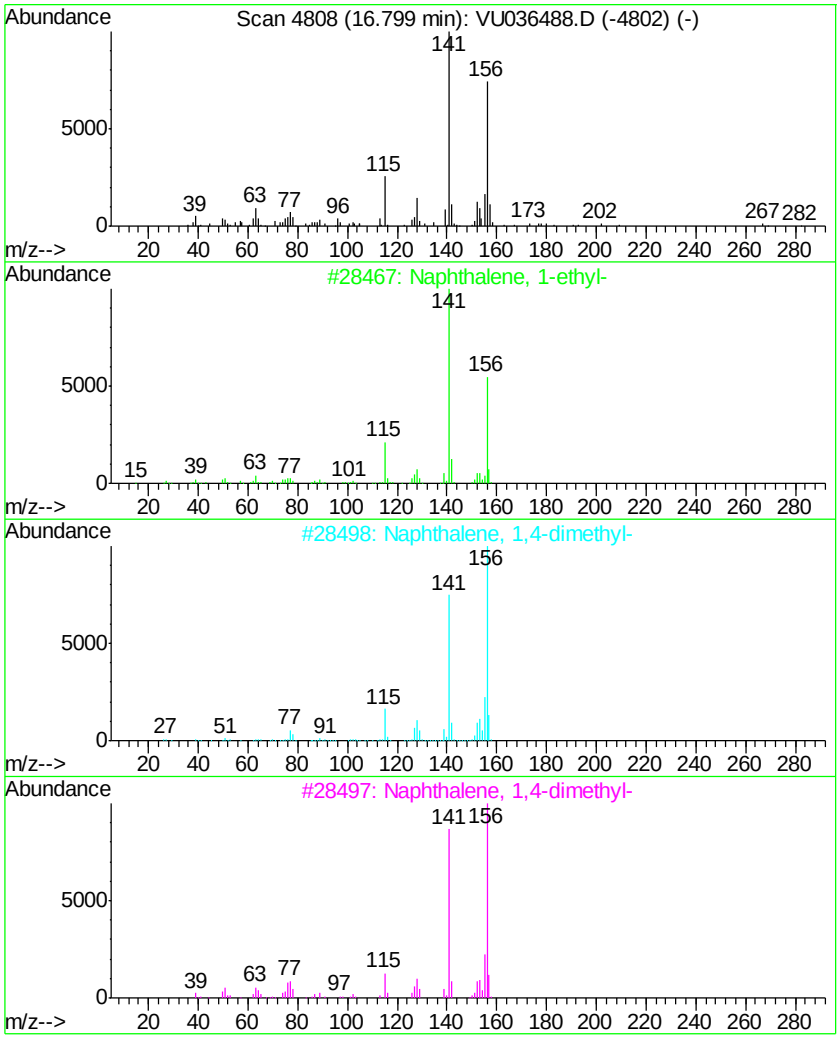
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

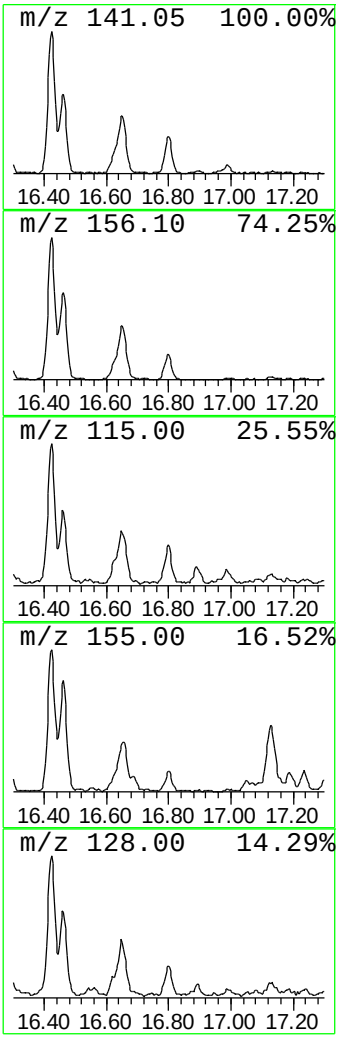
****

Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	4.16 ug/L	118950	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

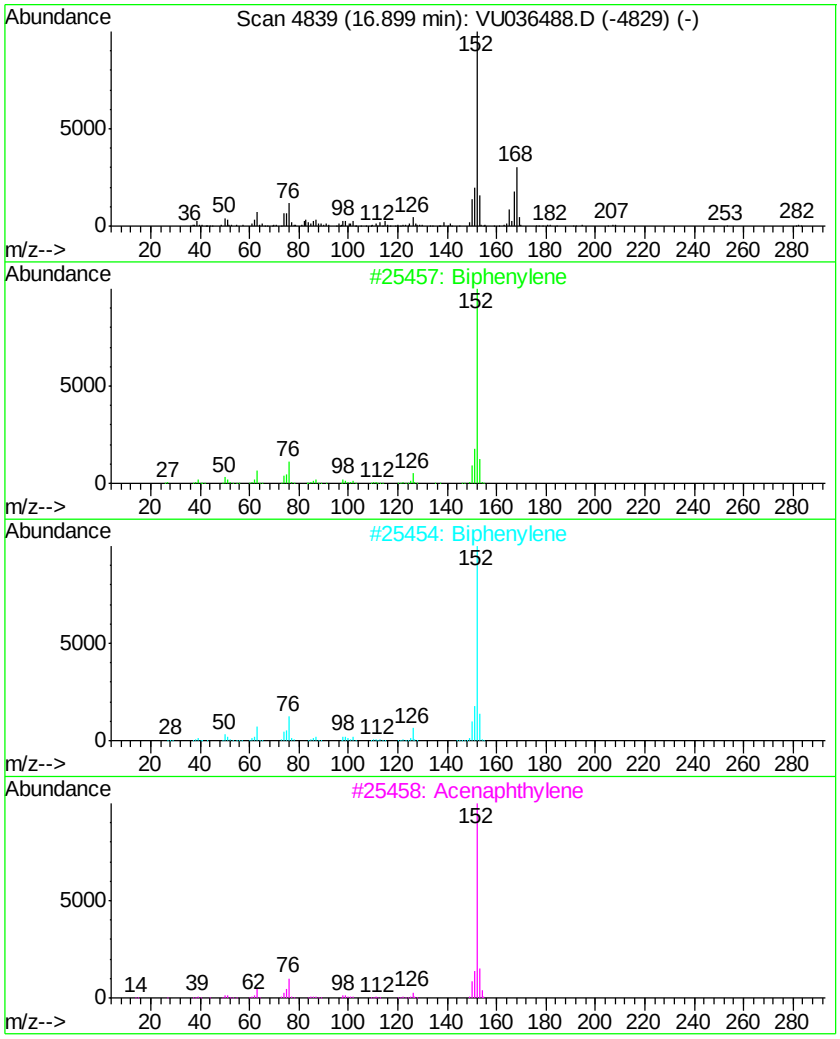
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

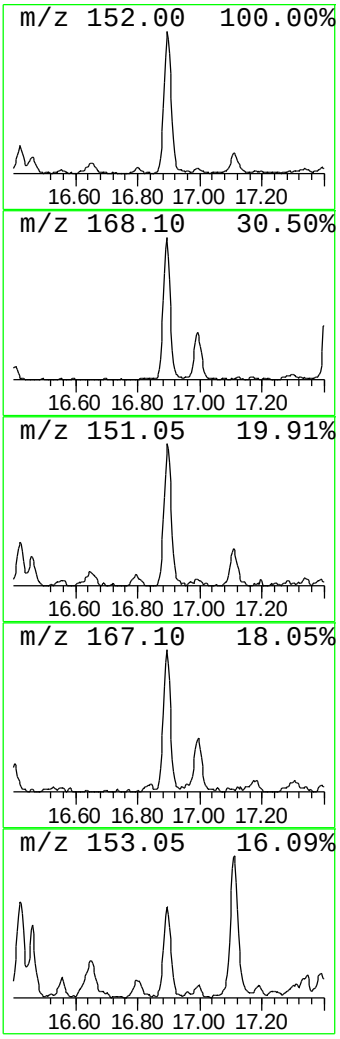
****

Peak Number 10 Biphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	10.73 ug/L	306798	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	89
2	Biphenylene	152	C12H8	000259-79-0	89
3	Acenaphthylene	152	C12H8	000208-96-8	70
4	Acenaphthylene	152	C12H8	000208-96-8	64
5	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
Data File : VU036488.D
Acq On : 15 Jan 2020 23:49
Operator : JC/MD
Sample : VIBLK43
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK43

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.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
Indene	12.34	2.8	ug/L	80028	3	11.83	1429780	50.0
Naphthalene, 1-me...	15.24	37.2	ug/L	1062870	3	11.83	1429780	50.0
Biphenyl	15.97	8.3	ug/L	236553	3	11.83	1429780	50.0
Naphthalene, 1,6-...	16.28	19.6	ug/L	559757	3	11.83	1429780	50.0
Naphthalene, 2,3-...	16.42	17.4	ug/L	496729	3	11.83	1429780	50.0
Naphthalene, 1-et...	16.80	4.2	ug/L	118950	3	11.83	1429780	50.0
Biphenylene	16.90	10.7	ug/L	306798	3	11.83	1429780	50.0