LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031376.D
Acq On : 19 Apr 2019 21:50
Operator : JC/SP
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

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\SOMULM041719WMA.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	1.180	24	28	40	rVB	12881	15591	0.69%	0.085%
2	1.293	59	63	67	rBV	7390	7113	0.31%	0.039%
3	1.395	88	95	112	rBV	160711	251672	11.06%	1.369%
4	1.678	176	183	199	rBV	119855	234239	10.30%	1.274%
5	2.241	348	358	374	rBV	418848	674695	29.66%	3.669%
6	2.566	456	459	460	rBV3	1087	655	0.03%	0.004%
7	2.575	460	462	466	rVB3	986	722	0.03%	0.004%
8	2.688	487	497	507	rBV3	6564	12695	0.56%	0.069%
9	2.920	565	569	572	rVV4	743	679	0.03%	0.004%
10	3.122	629	632	639	rVB3	1087	1197	0.05%	0.007%
11	3.170	641	647	649	rBV3	1817	1668	0.07%	0.009%
12	3.276	676	680	683	rVV4	1581	1515	0.07%	0.008%
13	3.299	684	687	691	rVB3	1830	1331	0.06%	0.007%
14	3.370	706	709	714	rVB6	720	635	0.03%	0.003%
15	3.492	743	747	749	rBV2	986	778	0.03%	0.004%
16	3.653	793	797	802	rVB3	831	621	0.03%	0.003%
17	3.717	812	817	820	rVB2	895	693	0.03%	0.004%
18	3.797	840	842	847	rVB2	761	631	0.03%	0.003%
19	3.920	875	880	884	rBV5	942	1043	0.05%	0.006%
20	4.132	940	946	950	rBV3	1122	1181	0.05%	0.006%
21	4.212	956	971	1007	rBV2	96059	468436	20.59%	2.547%
22	4.643	1087	1105	1135	rBV	251871	721382	31.71%	3.923%
23	4.846	1165	1168	1172	rBV4	1190	947	0.04%	0.005%
24	4.968	1203	1206	1208	rBV3	855	584	0.03%	0.003%
25	5.038	1224	1228	1231	rVV2	885	579	0.03%	0.003%
26	5.186	1270	1274	1277	rBV3	750	605	0.03%	0.003%
27	5.328	1296	1318	1369	rBV2	772434	2275020	100.00%	12.371%
28	5.563	1389	1391	1394	rVB2	1125	568	0.02%	0.003%
29	5.624	1400	1410	1415	rBV6	4566	8732	0.38%	0.047%
30	5.881	1475	1490	1527	rBV	695259	1664141	73.15%	9.049%
31	6.170	1570	1580	1582	rBV9	6281	7443	0.33%	0.040%
32	6.328	1615	1629	1664	rVB	432935	1015124	44.62%	5.520%
33	6.553	1697	1699	1704	rVB3	910	568	0.02%	0.003%
34	6.900	1804	1807	1809	rVV3	1201	787	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
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Acq On : 19 Apr 2019 21:50
Operator : JC/SP
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

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\SOMULM041719WMA.M
Title : VOC Analysis

35	6.974	1828	1830	1833	rBV3	1349	663	0.03%	0.004%
36	7.003	1837	1839	1844	rVB4	1387	855	0.04%	0.005%
37	7.025	1844	1846	1849	rBV3	942	560	0.02%	0.003%
38	7.228	1897	1909	1937	rBV	227227	516107	22.69%	2.807%
39	7.366	1948	1952	1955	rBV4	1317	1247	0.05%	0.007%
40	7.479	1985	1987	1992	rVB3	950	620	0.03%	0.003%
41	7.562	1999	2013	2042	rBV	858707	1702082	74.82%	9.256%
42	7.852	2091	2103	2129	rBV3	130618	299056	13.15%	1.626%
43	8.032	2155	2159	2162	rBV5	891	799	0.04%	0.004%
44	8.173	2198	2203	2208	rVV5	956	1319	0.06%	0.007%
45	8.241	2222	2224	2229	rVB2	1076	801	0.04%	0.004%
46	8.344	2240	2256	2291	rBV2	342756	1024473	45.03%	5.571%
47	8.646	2346	2350	2352	rBV3	832	703	0.03%	0.004%
48	8.707	2365	2369	2374	rVB4	1067	1021	0.04%	0.006%
49	8.823	2401	2405	2409	rVB4	931	628	0.03%	0.003%
50	8.849	2411	2413	2416	rVB2	1135	611	0.03%	0.003%
51	8.906	2426	2431	2436	rBV8	1274	1172	0.05%	0.006%
52	8.990	2454	2457	2460	rVB3	869	581	0.03%	0.003%
53	9.093	2474	2489	2517	rBV	754462	1537108	67.56%	8.359%
54	9.334	2558	2564	2569	rBV7	1683	2373	0.10%	0.013%
55	9.363	2569	2573	2575	rBV4	1092	859	0.04%	0.005%
56	9.459	2599	2603	2605	rVB3	1567	1095	0.05%	0.006%
57	9.492	2609	2613	2618	rBV4	811	715	0.03%	0.004%
58	9.633	2652	2657	2661	rBV4	1510	1137	0.05%	0.006%
59	9.652	2661	2663	2670	rBV6	1248	982	0.04%	0.005%
60	9.707	2676	2680	2685	rBV4	845	939	0.04%	0.005%
61	9.733	2685	2688	2694	rVB4	1009	1005	0.04%	0.005%
62	9.768	2694	2699	2700	rBV2	864	621	0.03%	0.003%
63	9.897	2736	2739	2747	rVV5	1165	1451	0.06%	0.008%
64	10.038	2780	2783	2785	rBV3	1145	677	0.03%	0.004%
65	10.080	2790	2796	2799	rBV4	825	803	0.04%	0.004%
66	10.151	2815	2818	2821	rBV4	1495	1121	0.05%	0.006%
67	10.215	2835	2838	2843	rVB5	1158	938	0.04%	0.005%
68	10.244	2843	2847	2851	rBV6	981	907	0.04%	0.005%
69	10.295	2859	2863	2867	rBV5	869	811	0.04%	0.004%
70	10.437	2895	2907	2929	rBV	510442	870760	38.27%	4.735%
71	10.607	2957	2960	2966	rVV6	2397	1942	0.09%	0.011%

LSC Area Percent Report

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Acq On : 19 Apr 2019 21:50
Operator : JC/SP
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

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_U\METHOD\SOMULM041719WMA.M
Title : VOC Analysis

72	10.694	2984	2987	2989	rBV3	868	632	0.03%	0.003%
73	10.781	3008	3014	3015	rBV4	2232	2477	0.11%	0.013%
74	10.926	3056	3059	3065	rVB6	1629	1437	0.06%	0.008%
75	10.955	3065	3068	3070	rBV3	1445	773	0.03%	0.004%
76	11.102	3112	3114	3117	rBV4	1031	611	0.03%	0.003%
77	11.221	3146	3151	3157	rBV7	4312	5537	0.24%	0.030%
78	11.337	3184	3187	3189	rBV3	1447	736	0.03%	0.004%
79	11.353	3189	3192	3195	rVB3	974	681	0.03%	0.004%
80	11.402	3204	3207	3212	rBV6	1060	713	0.03%	0.004%
81	11.485	3220	3233	3255	rBV	893108	1424174	62.60%	7.745%
82	11.778	3320	3324	3328	rVB4	1860	1247	0.05%	0.007%
83	11.861	3337	3350	3379	rBV	743536	1246113	54.77%	6.776%
84	12.434	3520	3528	3529	rBV5	2300	2957	0.13%	0.016%
85	12.935	3682	3684	3687	rVB3	1299	611	0.03%	0.003%
86	12.967	3691	3694	3700	rBV8	1376	1690	0.07%	0.009%
87	13.115	3738	3740	3744	rBV3	2028	1985	0.09%	0.011%
88	13.437	3838	3840	3842	rBV3	1501	920	0.04%	0.005%
89	13.745	3926	3936	3963	rBV2	136111	273684	12.03%	1.488%
90	14.331	4115	4118	4120	rBV4	2230	1618	0.07%	0.009%
91	14.417	4141	4145	4147	rBV4	1833	1547	0.07%	0.008%
92	14.456	4153	4157	4158	rBV4	2310	1661	0.07%	0.009%
93	14.877	4277	4288	4307	rBV	332477	627536	27.58%	3.412%
94	15.061	4336	4345	4365	rVB	151492	271518	11.93%	1.476%
95	15.610	4509	4516	4529	rVB2	41631	67730	2.98%	0.368%
96	15.800	4570	4575	4582	rVB3	28766	34578	1.52%	0.188%
97	15.913	4600	4610	4625	rBV	225060	422359	18.57%	2.297%
98	16.057	4647	4655	4662	rBV2	180441	285125	12.53%	1.550%
99	16.192	4691	4697	4708	rVB3	48523	77278	3.40%	0.420%
100	16.530	4792	4802	4820	rVB3	137582	277634	12.20%	1.510%

Sum of corrected areas: 18389374

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
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Acq On : 19 Apr 2019 21:50
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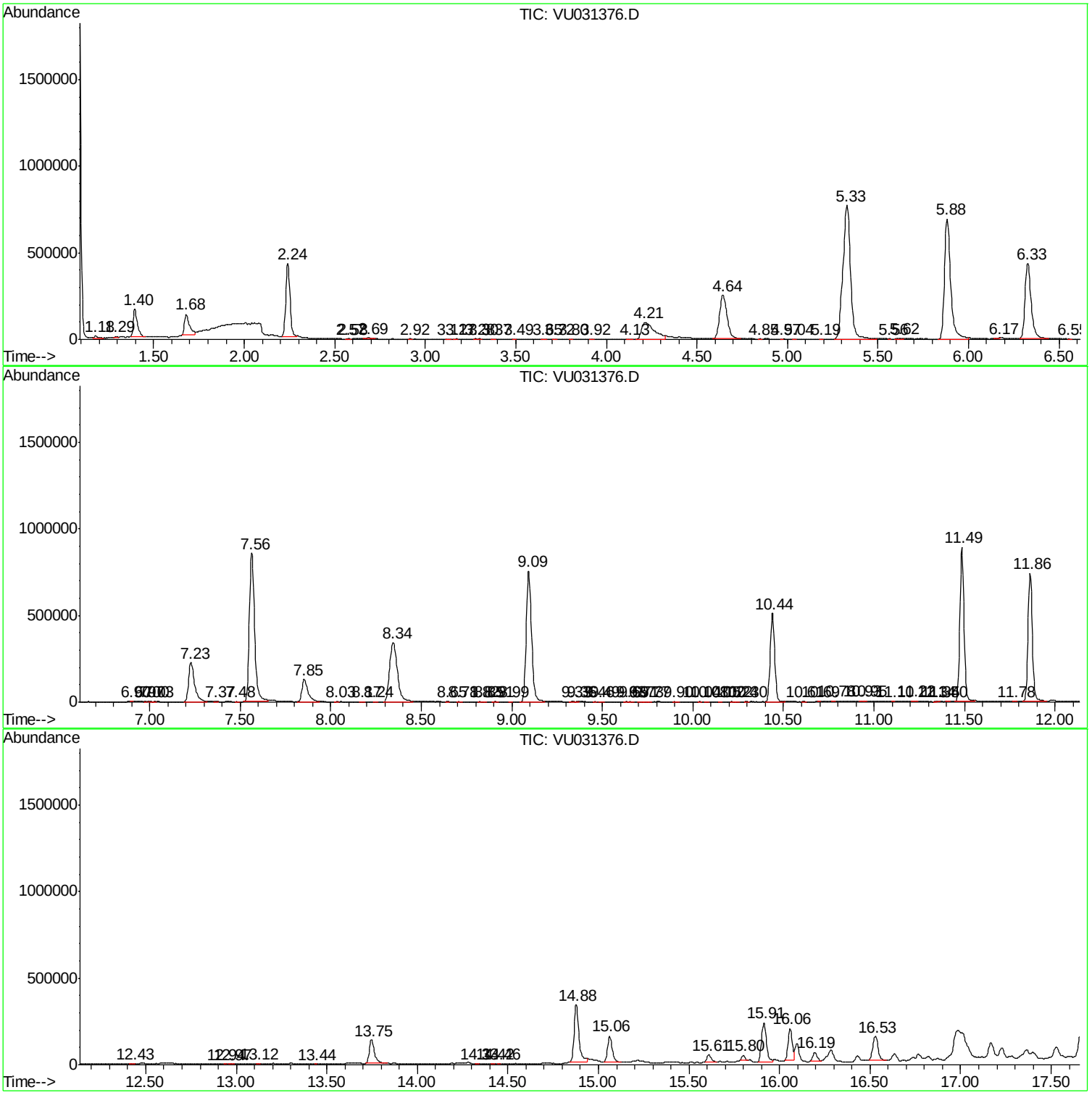
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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\VU042019\
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Acq On : 19 Apr 2019 21:50
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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

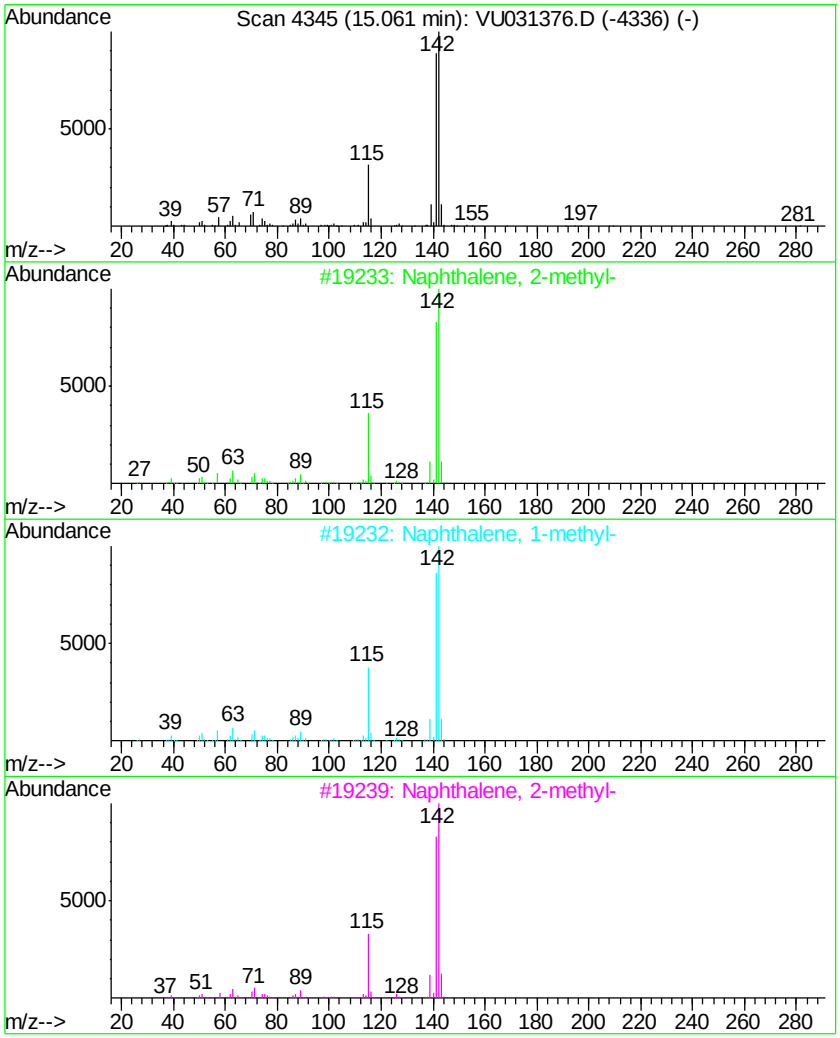
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

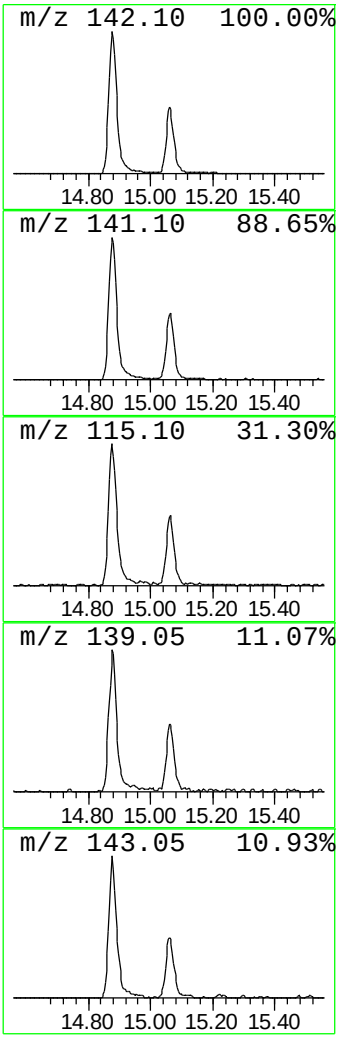
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	9.53 ug/L	271518	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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Operator : JC/SP
Sample : K2455-04
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ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

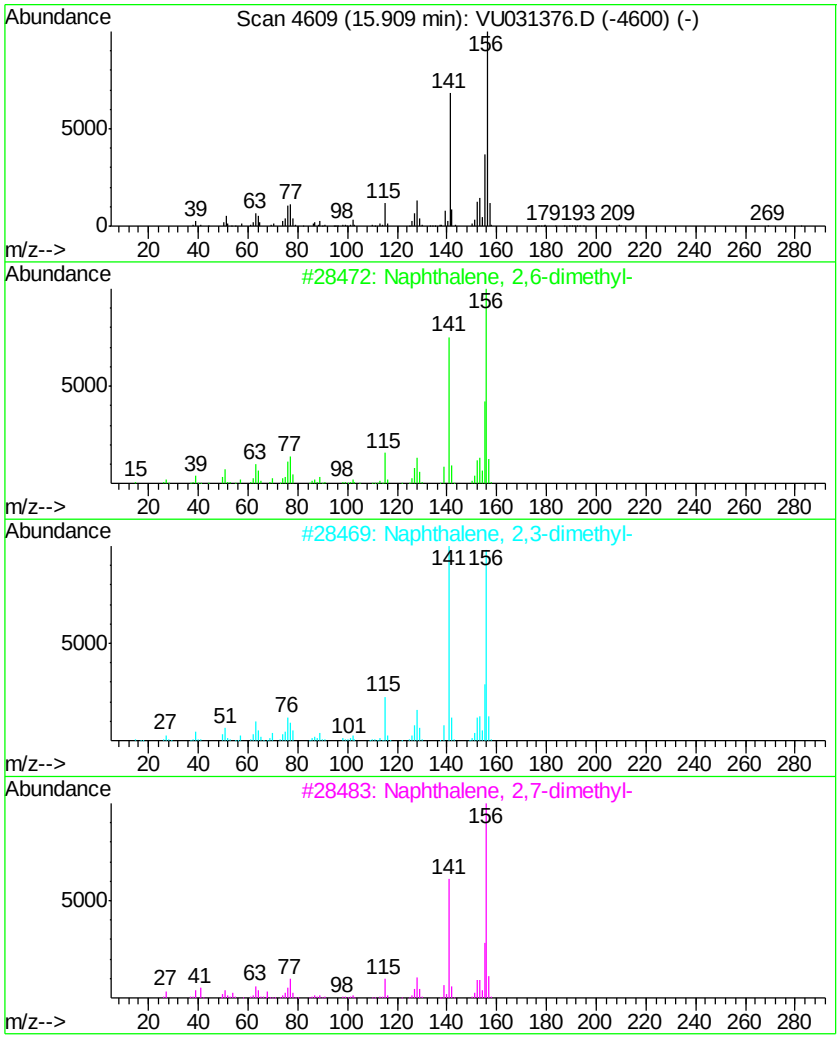
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

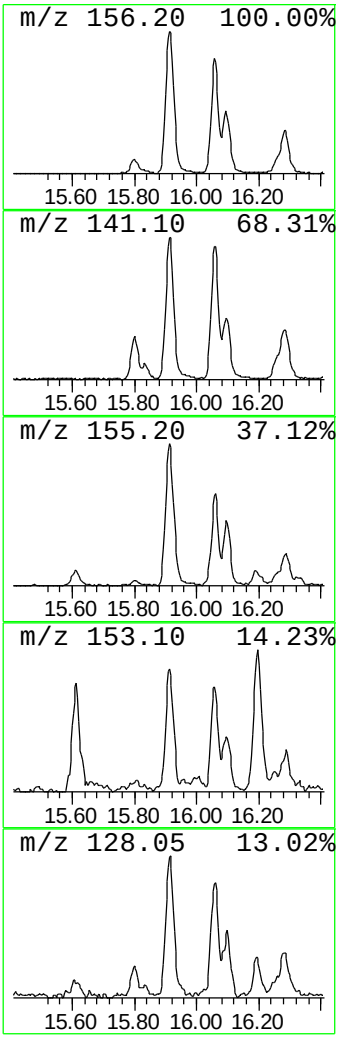
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	14.83 ug/L	422359	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Library Search Compound Report

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Operator : JC/SP
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

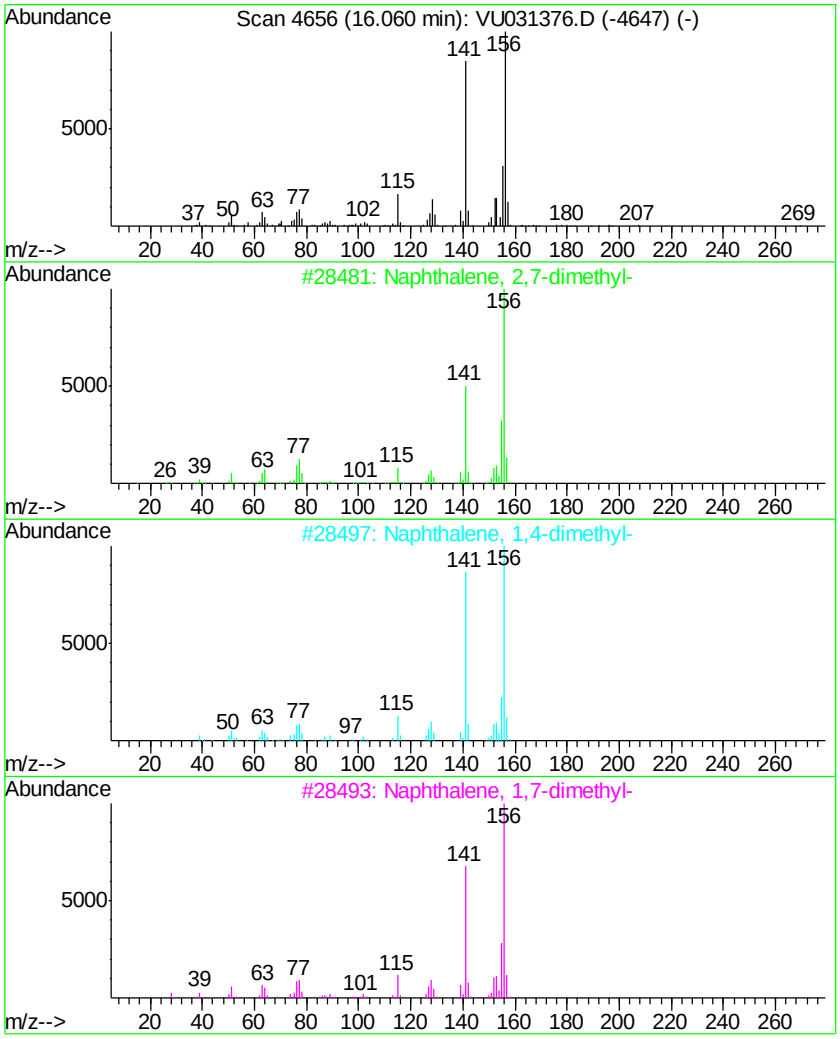
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

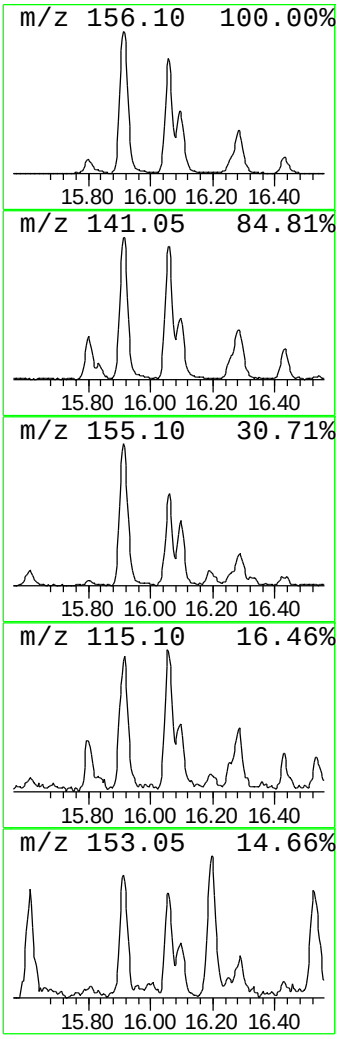
****

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.01 ug/L	285125	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	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, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

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Acq On : 19 Apr 2019 21:50
Operator : JC/SP
Sample : K2455-04
Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

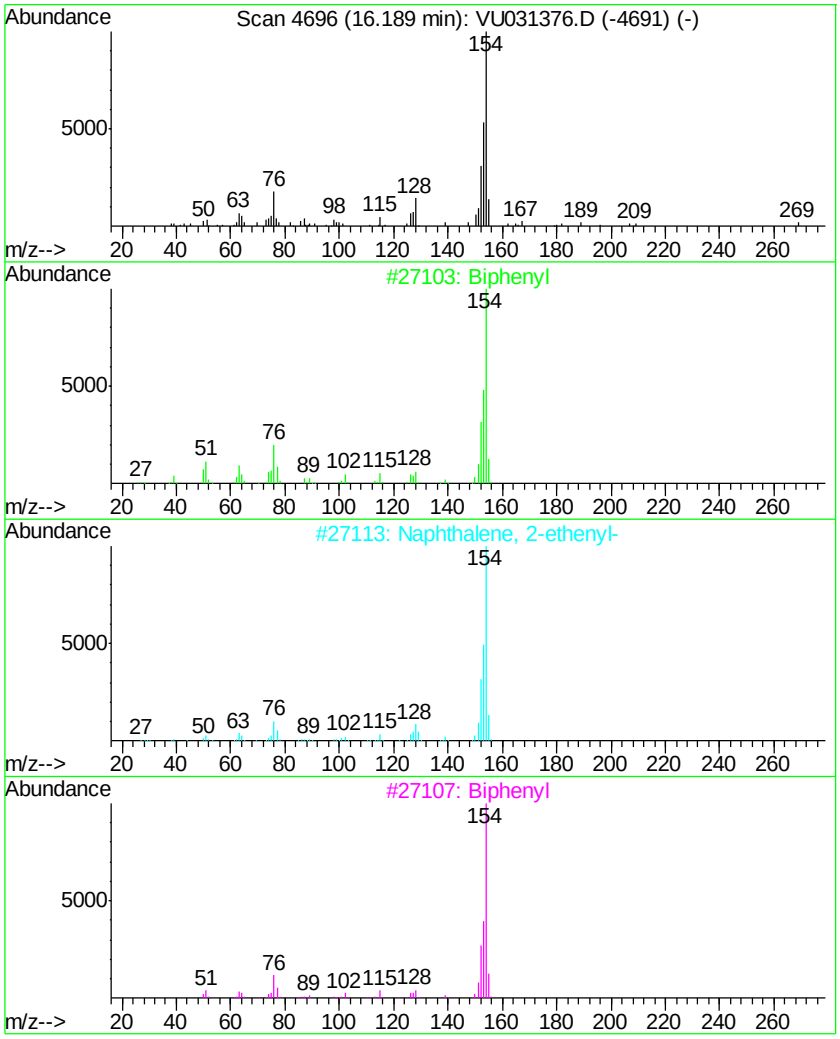
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

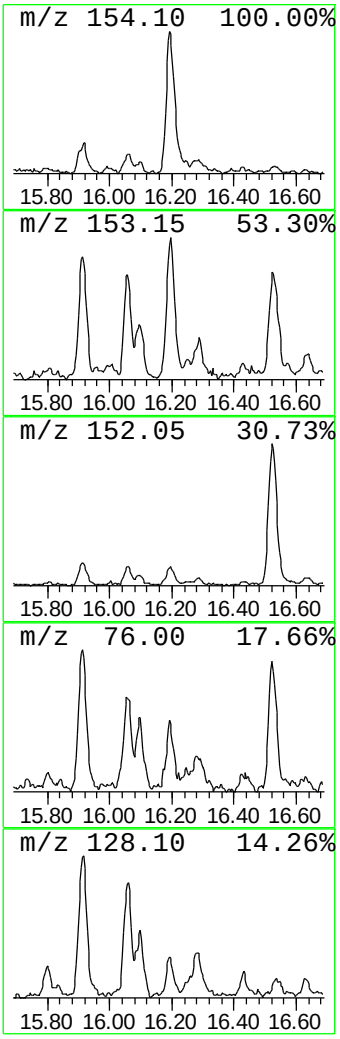
****

Peak Number 7 Biphenyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	2.71 ug/L	77278	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	93
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	90
3	Biphenyl	154	C12H10	000092-52-4	90
4	Acenaphthene	154	C12H10	000083-32-9	81
5	Biphenyl	154	C12H10	000092-52-4	74





Tentatively Identified Compound (LSC) summary

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Misc : 4.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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-me...	15.06	9.5	ug/L	271518	3	11.49	1424170	50.0
Naphthalene, 2,6-...	15.91	14.8	ug/L	422359	3	11.49	1424170	50.0
Naphthalene, 2,7-...	16.06	10.0	ug/L	285125	3	11.49	1424170	50.0
Biphenyl	16.19	2.7	ug/L	77278	3	11.49	1424170	50.0