LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

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\SOMULM091919WMA.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	1.389	86	93	105	rBV	328508	364223	15.70%	1.785%
2	1.672	174	181	196	rVB	294751	378655	16.32%	1.856%
3	2.257	353	363	379	rVB	507243	797135	34.36%	3.906%
4	2.592	464	467	468	rBV3	1084	508	0.02%	0.002%
5	2.669	489	491	493	rBV3	2376	1376	0.06%	0.007%
6	2.723	505	508	510	rVB3	1750	1000	0.04%	0.005%
7	2.743	510	514	517	rBV5	2107	1727	0.07%	0.008%
8	2.820	524	538	553	rBV	20862	49962	2.15%	0.245%
9	2.884	556	558	561	rVB3	1267	699	0.03%	0.003%
10	3.048	607	609	613	rVB4	1157	822	0.04%	0.004%
11	3.202	653	657	659	rVV3	863	505	0.02%	0.002%
12	3.251	669	672	673	rBV2	870	511	0.02%	0.003%
13	3.305	688	689	692	rVB3	1885	816	0.04%	0.004%
14	3.328	692	696	698	rBV3	1542	1432	0.06%	0.007%
15	3.370	705	709	710	rBV3	1218	899	0.04%	0.004%
16	3.415	720	723	726	rBV3	1221	725	0.03%	0.004%
17	3.447	731	733	737	rVB3	809	611	0.03%	0.003%
18	3.473	737	741	744	rBV2	1597	1175	0.05%	0.006%
19	3.563	766	769	770	rBV2	1179	641	0.03%	0.003%
20	3.608	781	783	787	rVB3	1619	1044	0.05%	0.005%
21	3.640	787	793	795	rBV6	1652	1326	0.06%	0.006%
22	3.672	802	803	810	rBV4	1091	835	0.04%	0.004%
23	3.717	814	817	820	rBV5	1040	747	0.03%	0.004%
24	3.730	820	821	824	rVB2	1411	646	0.03%	0.003%
25	3.765	829	832	839	rBV7	1285	1083	0.05%	0.005%
26	3.797	839	842	844	rBV3	1706	1008	0.04%	0.005%
27	3.813	844	847	850	rVB3	1334	726	0.03%	0.004%
28	3.839	854	855	860	rVB3	1329	746	0.03%	0.004%
29	3.862	860	862	867	rBV5	892	906	0.04%	0.004%
30	3.936	881	885	887	rBV2	878	574	0.02%	0.003%
31	4.000	903	905	908	rVB3	1139	525	0.02%	0.003%
32	4.051	918	921	925	rVB6	1289	1076	0.05%	0.005%
33	4.077	925	929	930	rVB2	950	546	0.02%	0.003%
34	4.087	930	932	935	rBV4	1048	811	0.03%	0.004%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

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\SOMULM091919WMA.M
Title : VOC Analysis

35	4.103	935	937	939	rVB2	1467	677	0.03%	0.003%
36	4.164	943	956	988	rBV	226923	747646	32.23%	3.664%
37	4.624	1081	1099	1120	rBV	372025	899687	38.78%	4.409%
38	4.926	1190	1193	1195	rBV3	1490	919	0.04%	0.005%
39	4.955	1200	1202	1204	rVV3	1151	668	0.03%	0.003%
40	5.006	1215	1218	1220	rBV4	1780	1228	0.05%	0.006%
41	5.058	1230	1234	1238	rVB7	1808	1461	0.06%	0.007%
42	5.087	1238	1243	1246	rBV6	1149	1119	0.05%	0.005%
43	5.103	1246	1248	1250	rBV3	1198	481	0.02%	0.002%
44	5.151	1259	1263	1265	rVB4	1577	1014	0.04%	0.005%
45	5.177	1265	1271	1274	rBV8	1547	1371	0.06%	0.007%
46	5.206	1274	1280	1284	rBV8	1141	792	0.03%	0.004%
47	5.228	1284	1287	1291	rBV4	741	814	0.04%	0.004%
48	5.315	1291	1314	1344	rBV2	778366	2319761	100.00%	11.368%
49	5.620	1407	1409	1410	rBV2	1387	560	0.02%	0.003%
50	5.694	1430	1432	1435	rVB2	1158	666	0.03%	0.003%
51	5.778	1456	1458	1461	rVB2	1750	799	0.03%	0.004%
52	5.865	1471	1485	1504	rBV	680748	1425134	61.43%	6.984%
53	6.308	1610	1623	1643	rVB	544446	1081978	46.64%	5.302%
54	6.697	1741	1744	1745	rBV3	1551	852	0.04%	0.004%
55	6.768	1763	1766	1772	rBV7	1567	1473	0.06%	0.007%
56	6.845	1787	1790	1793	rBV4	1869	1172	0.05%	0.006%
57	6.951	1821	1823	1826	rBV4	1565	936	0.04%	0.005%
58	7.042	1847	1851	1859	rVV9	1559	2411	0.10%	0.012%
59	7.119	1873	1875	1877	rBV2	863	483	0.02%	0.002%
60	7.205	1891	1902	1919	rBV	317149	582573	25.11%	2.855%
61	7.543	1994	2007	2027	rBV	1033788	1802453	77.70%	8.833%
62	7.829	2086	2096	2111	rBV	210033	375918	16.21%	1.842%
63	8.099	2178	2180	2183	rVB4	1399	715	0.03%	0.004%
64	8.157	2188	2198	2200	rBV7	2861	4625	0.20%	0.023%
65	8.205	2203	2213	2228	rVB2	68243	115498	4.98%	0.566%
66	8.292	2229	2240	2264	rBV	760292	1394268	60.10%	6.832%
67	8.598	2329	2335	2337	rBV7	5642	6324	0.27%	0.031%
68	8.739	2377	2379	2381	rVB3	1282	542	0.02%	0.003%
69	8.765	2384	2387	2390	rBV4	1828	1488	0.06%	0.007%
70	8.926	2435	2437	2442	rVB6	1567	764	0.03%	0.004%
71	9.067	2468	2481	2510	rBV	957929	1641685	70.77%	8.045%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

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\SOMULM091919WMA.M
Title : VOC Analysis

72	9.421	2588	2591	2593	rBV4	3068	2304	0.10%	0.011%
73	9.524	2620	2623	2625	rBV4	896	589	0.03%	0.003%
74	9.668	2658	2668	2671	rBV10	2361	3868	0.17%	0.019%
75	9.726	2685	2686	2690	rVB3	1488	772	0.03%	0.004%
76	9.749	2690	2693	2694	rBV3	2122	934	0.04%	0.005%
77	9.784	2701	2704	2709	rBV6	1660	1464	0.06%	0.007%
78	9.980	2762	2765	2768	rVB3	1315	684	0.03%	0.003%
79	10.016	2774	2776	2781	rBV5	2476	1934	0.08%	0.009%
80	10.199	2831	2833	2836	rVB3	1318	465	0.02%	0.002%
81	10.283	2856	2859	2862	rBV4	1504	1207	0.05%	0.006%
82	10.331	2872	2874	2876	rBV3	2125	1071	0.05%	0.005%
83	10.408	2886	2898	2914	rBV	677988	1097918	47.33%	5.380%
84	10.791	3011	3017	3021	rBV6	9436	10782	0.46%	0.053%
85	10.951	3062	3067	3075	rVB4	7972	10444	0.45%	0.051%
86	11.128	3117	3122	3131	rVB7	6799	9090	0.39%	0.045%
87	11.376	3193	3199	3204	rBV8	7012	9155	0.39%	0.045%
88	11.459	3214	3225	3247	rBV	966164	1525608	65.77%	7.476%
89	11.836	3331	3342	3369	rVB	954393	1588787	68.49%	7.786%
90	12.128	3427	3433	3437	rBV6	11631	17755	0.77%	0.087%
91	12.334	3493	3497	3503	rBV5	11085	13603	0.59%	0.067%
92	12.681	3598	3605	3614	rBV3	33882	62241	2.68%	0.305%
93	12.768	3626	3632	3636	rBV7	12334	15354	0.66%	0.075%
94	13.009	3703	3707	3708	rBV4	8003	6101	0.26%	0.030%
95	13.102	3729	3736	3756	rVB5	92916	159734	6.89%	0.783%
96	13.263	3780	3786	3807	rVB4	52361	110074	4.75%	0.539%
97	14.125	4047	4054	4072	rVB7	74016	130716	5.63%	0.641%
98	14.855	4271	4281	4295	rBV	428209	786172	33.89%	3.853%
99	15.893	4595	4604	4616	rBV2	206658	369566	15.93%	1.811%
100	16.038	4641	4649	4656	rBV2	277804	431149	18.59%	2.113%

Sum of corrected areas: 20406517

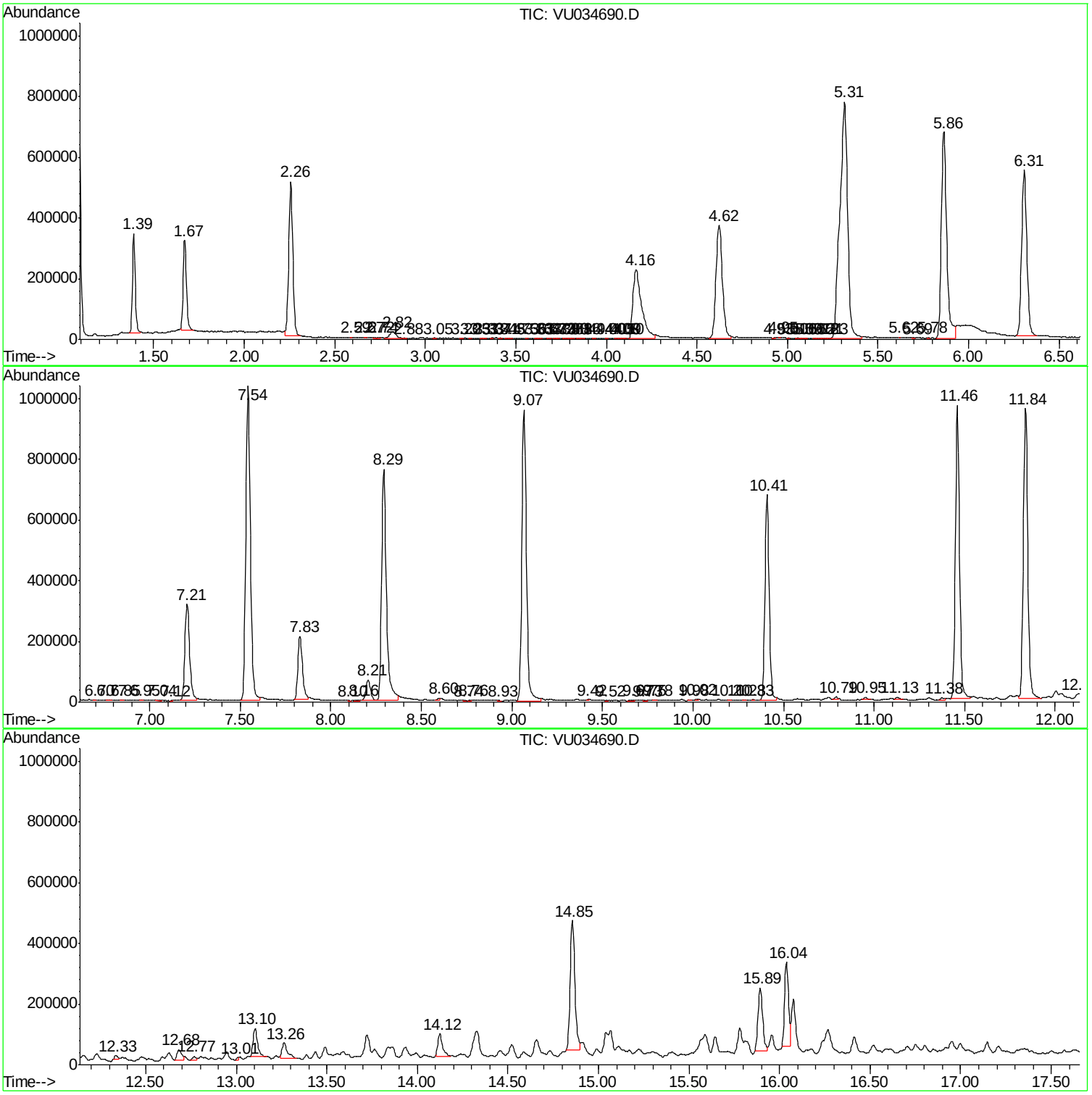
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

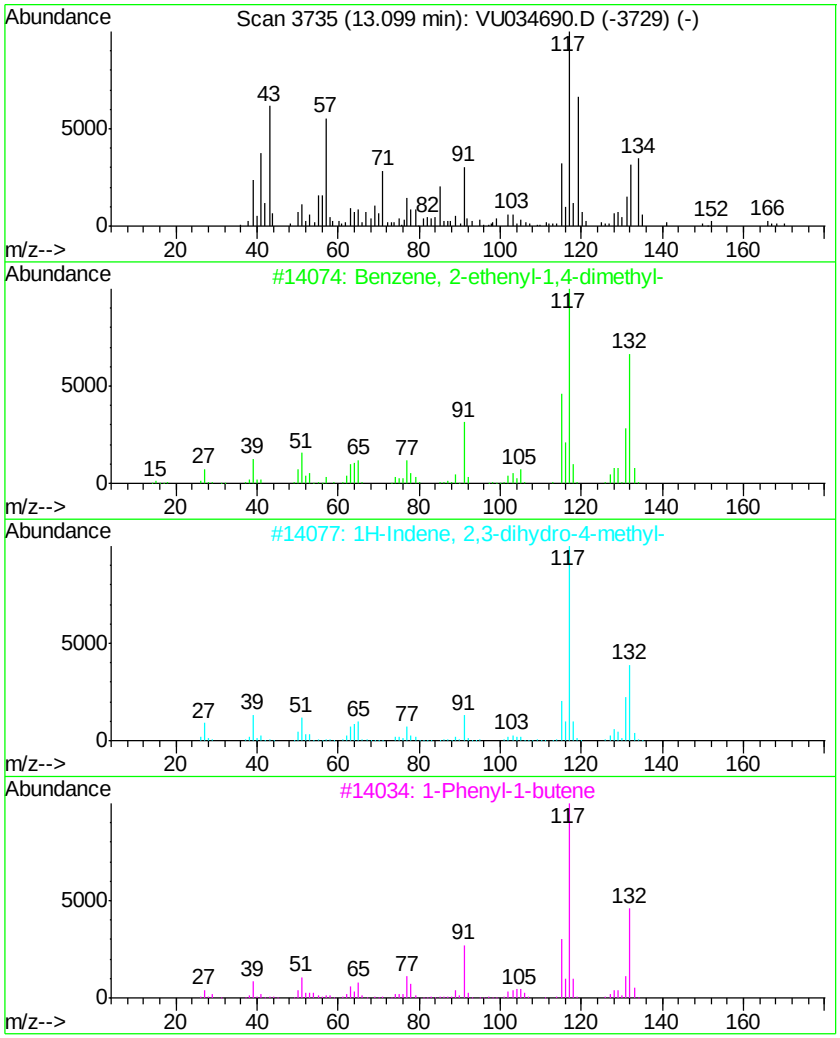
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

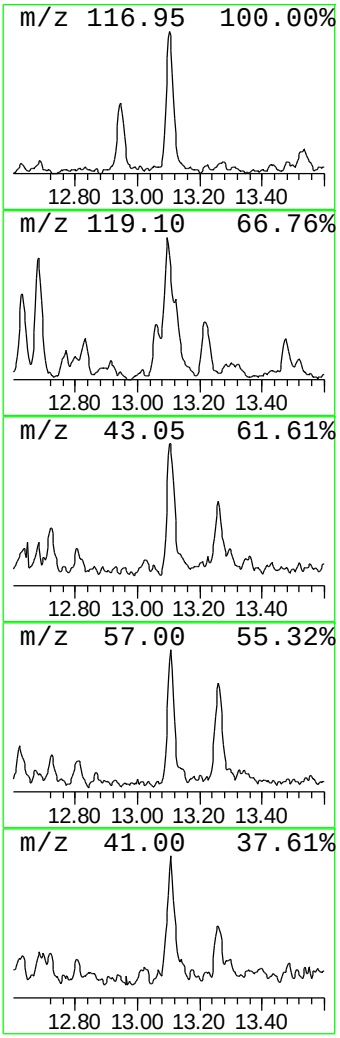
****

Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.24 ug/L	159734	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	55
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	55
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

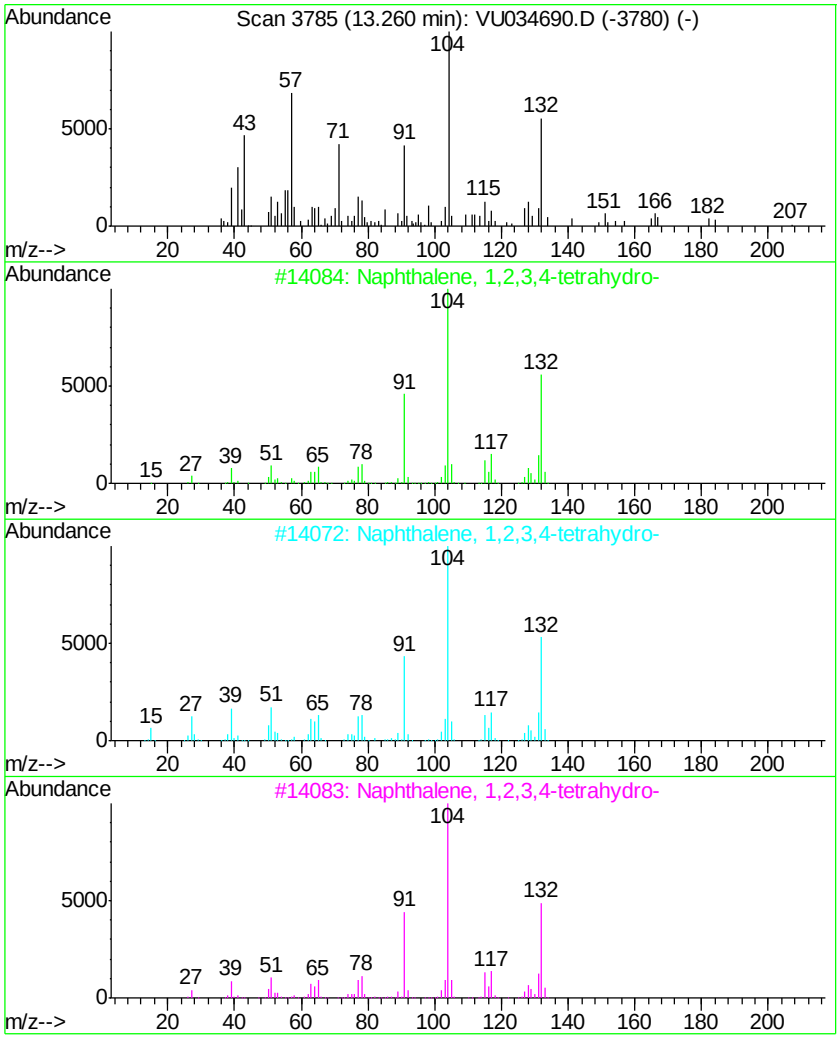
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

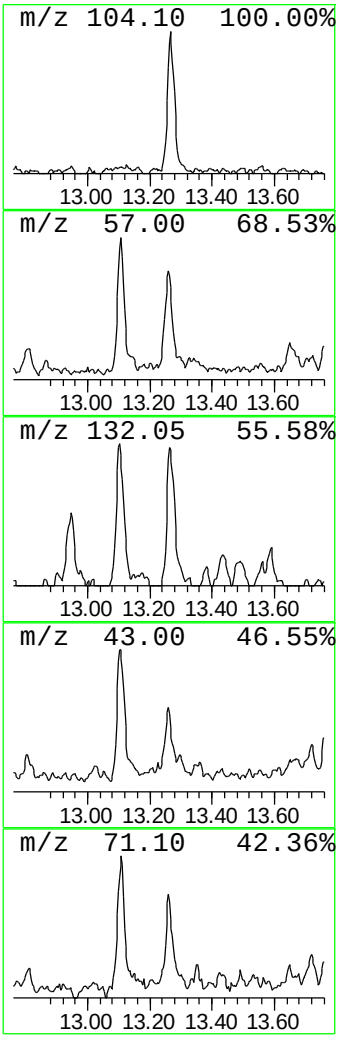
****

Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.61 ug/L	110074	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	58
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	53
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	53
4	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	50
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
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Sample : K4984-03
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

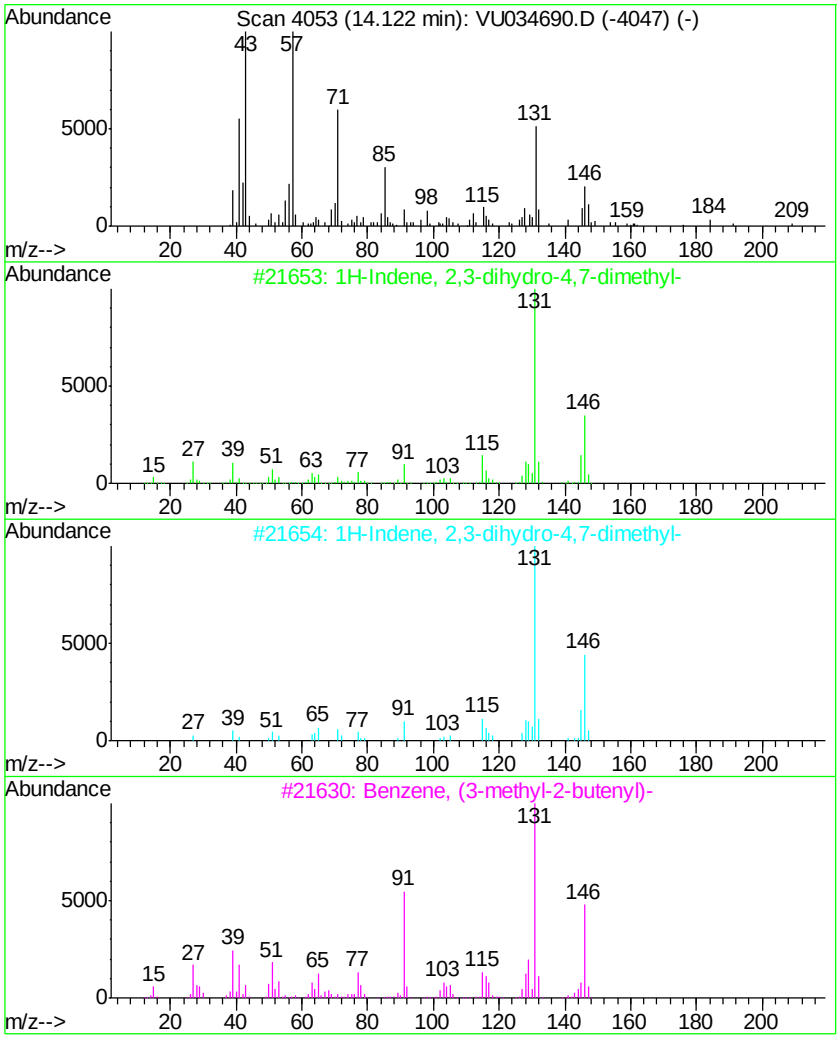
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

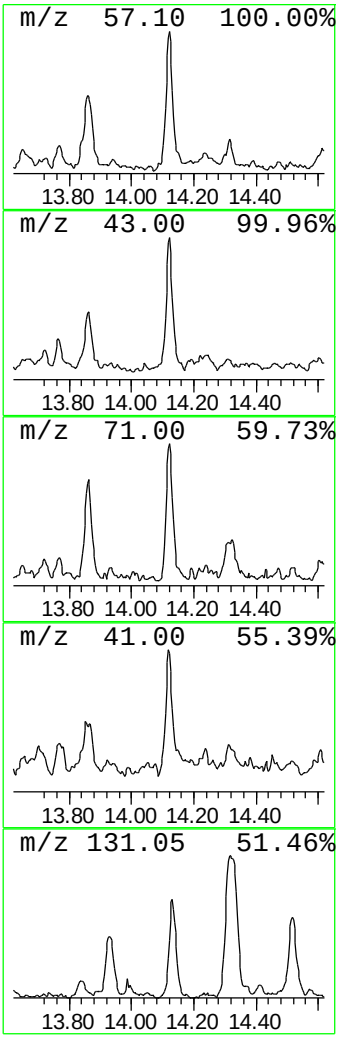
****

Peak Number 4 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	4.28 ug/L	130716	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
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Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

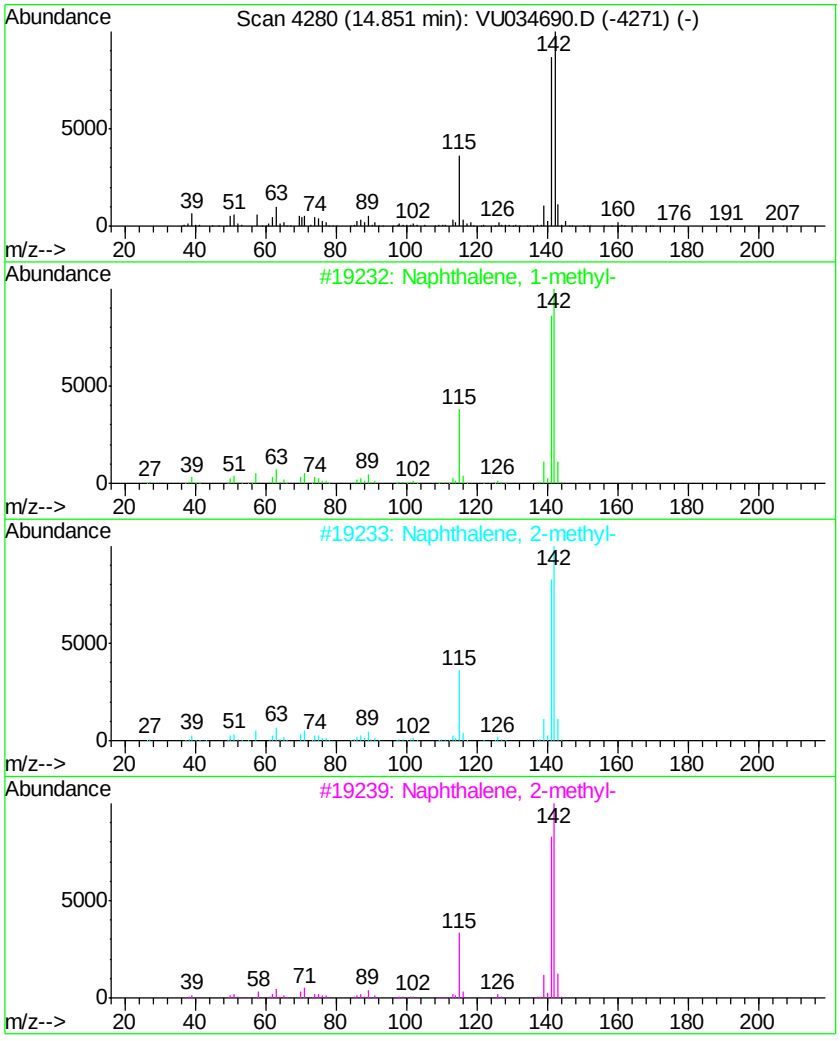
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

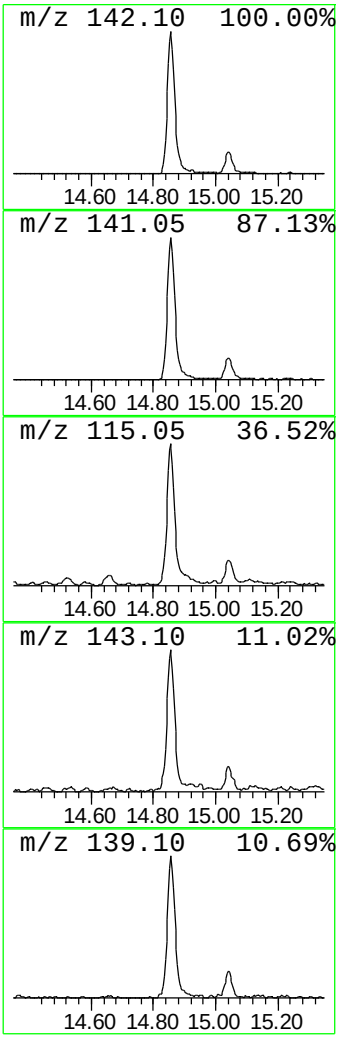
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	25.77 ug/L	786172	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
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\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

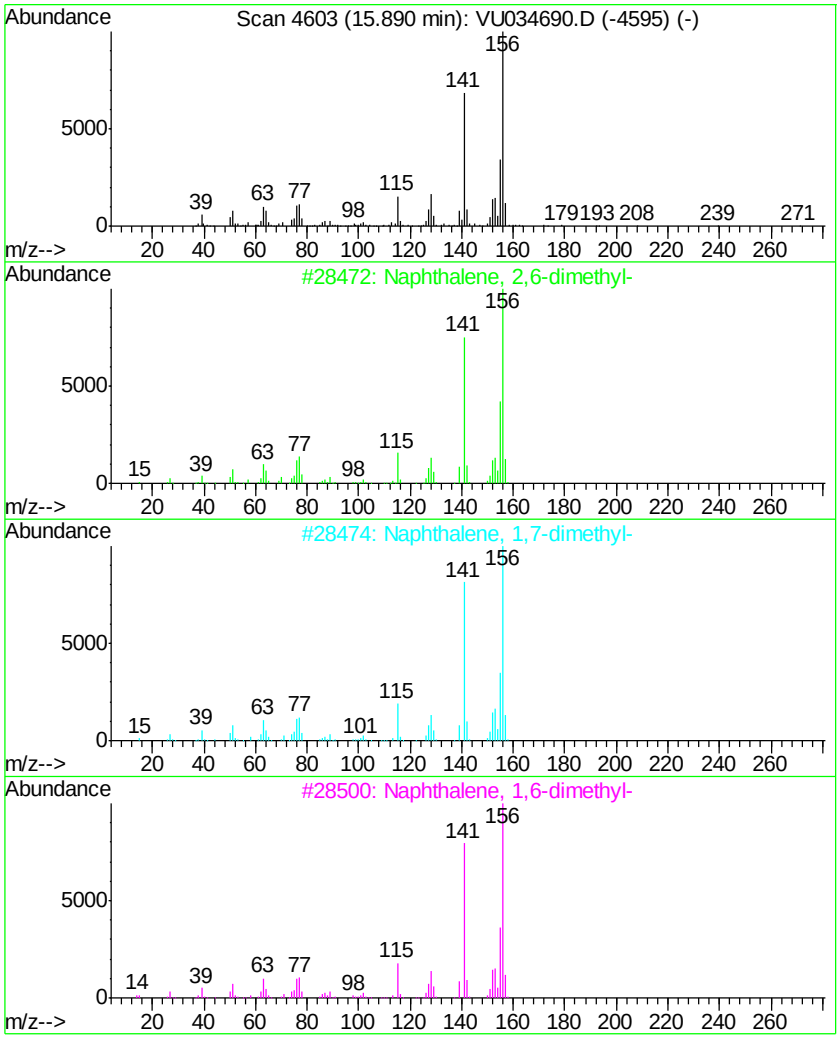
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

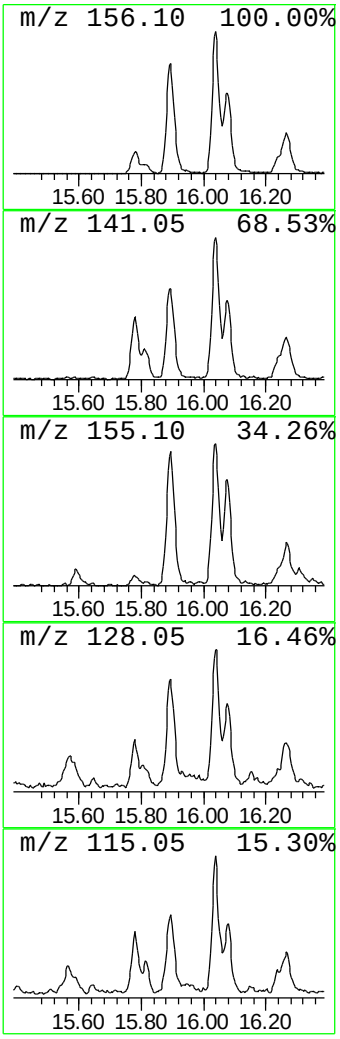
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	12.11 ug/L	369566	1,4-Dichlorobenzene-d4	11.46

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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

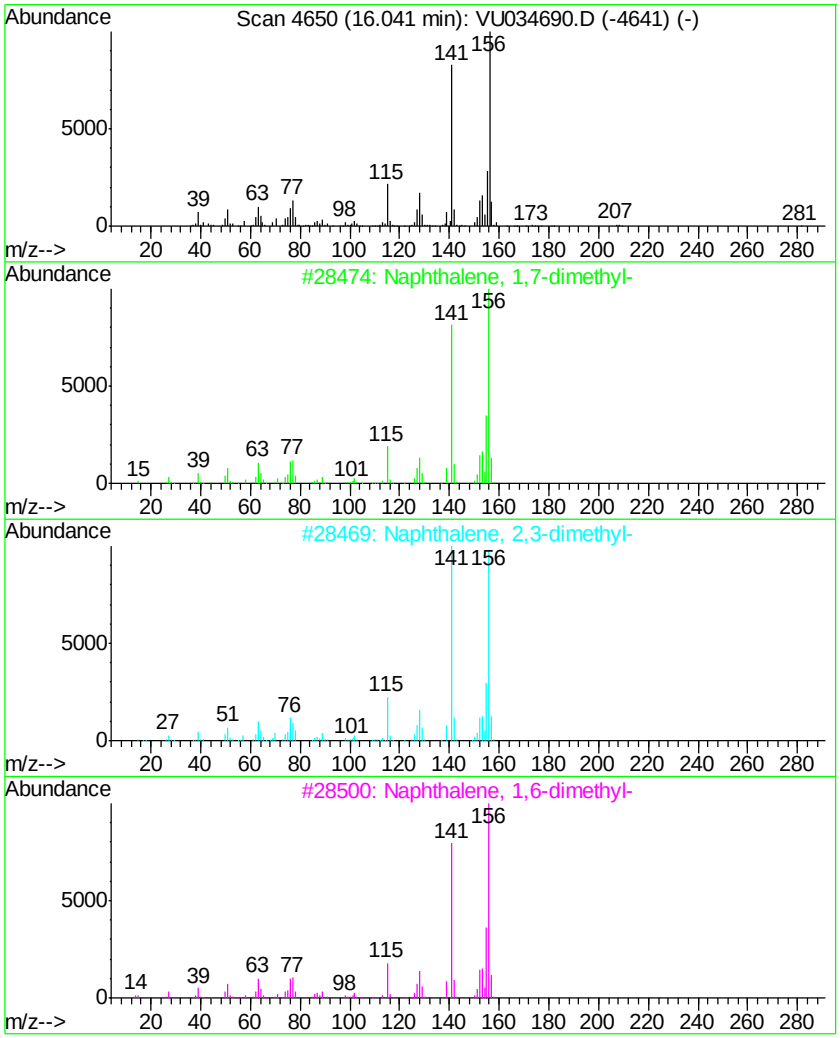
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

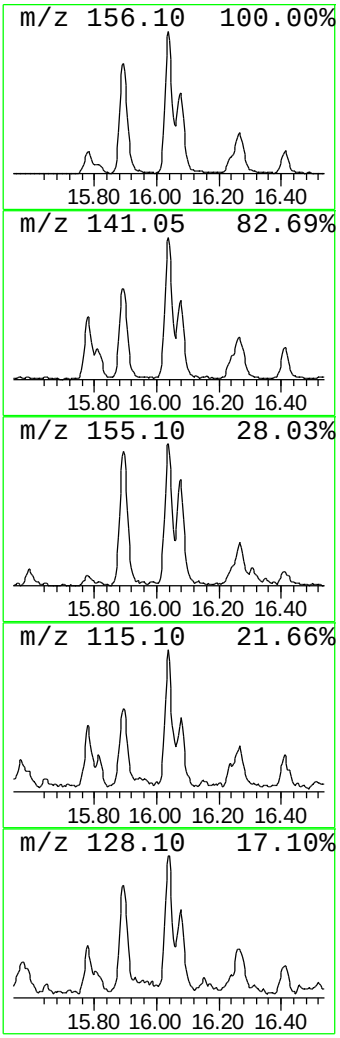
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	14.13 ug/L	431149	1,4-Dichlorobenzene-d4	11.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Data File : VU034690.D
Acq On : 20 Sep 2019 15:45
Operator : JC/SP
Sample : K4984-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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
Benzene, 2-etheny...	13.10	5.2	ug/L	159734	3	11.46	1525610	50.0
Naphthalene, 1,2,...	13.26	3.6	ug/L	110074	3	11.46	1525610	50.0
1H-Indene, 2,3-di...	14.12	4.3	ug/L	130716	3	11.46	1525610	50.0
Naphthalene, 1-me...	14.85	25.8	ug/L	786172	3	11.46	1525610	50.0
Naphthalene, 2,6-...	15.89	12.1	ug/L	369566	3	11.46	1525610	50.0
Naphthalene, 1,7-...	16.04	14.1	ug/L	431149	3	11.46	1525610	50.0