LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

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\SOMULM042719WMA.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	38	rVB3	20478	20242	0.54%	0.047%
2	1.395	88	95	106	rBV	548752	594387	15.79%	1.375%
3	1.678	176	183	198	rVB	418485	521094	13.84%	1.205%
4	2.270	356	367	380	rVB	903184	1387105	36.84%	3.208%
5	2.463	422	427	430	rBV6	2747	2415	0.06%	0.006%
6	2.527	444	447	452	rVB6	1578	1242	0.03%	0.003%
7	2.688	494	497	498	rBV3	1142	726	0.02%	0.002%
8	2.836	532	543	553	rVB6	3741	8925	0.24%	0.021%
9	2.878	553	556	561	rBV6	2470	2371	0.06%	0.005%
10	2.948	576	578	582	rVB2	1266	847	0.02%	0.002%
11	2.977	582	587	589	rBV4	2275	1612	0.04%	0.004%
12	3.016	596	599	601	rBV2	1302	773	0.02%	0.002%
13	3.190	649	653	656	rVB3	1157	805	0.02%	0.002%
14	3.264	672	676	680	rBV5	1058	1027	0.03%	0.002%
15	3.286	680	683	684	rBV	1410	689	0.02%	0.002%
16	3.325	691	695	701	rVB5	964	1045	0.03%	0.002%
17	3.379	706	712	718	rBV5	869	841	0.02%	0.002%
18	3.479	740	743	748	rVB5	1342	1267	0.03%	0.003%
19	3.566	764	770	772	rBV3	978	1058	0.03%	0.002%
20	3.720	814	818	821	rBV3	1334	1045	0.03%	0.002%
21	3.990	899	902	906	rVB4	1740	1324	0.04%	0.003%
22	4.013	906	909	912	rBV3	1739	1326	0.04%	0.003%
23	4.090	928	933	935	rBV3	1069	714	0.02%	0.002%
24	4.109	935	939	943	rVB5	715	721	0.02%	0.002%
25	4.128	943	945	950	rVB3	827	693	0.02%	0.002%
26	4.186	950	963	1012	rBV	329927	1019478	27.08%	2.358%
27	4.431	1037	1039	1044	rVB4	3255	2065	0.05%	0.005%
28	4.643	1087	1105	1127	rBV	586129	1410071	37.45%	3.261%
29	4.865	1172	1174	1178	rBV4	968	804	0.02%	0.002%
30	4.884	1178	1180	1185	rVB4	1536	1177	0.03%	0.003%
31	4.936	1193	1196	1199	rBV3	1515	1344	0.04%	0.003%
32	4.984	1202	1211	1214	rBV6	3633	5108	0.14%	0.012%
33	5.080	1236	1241	1243	rBV4	1397	1080	0.03%	0.002%
34	5.157	1258	1265	1266	rBV4	716	818	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

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\SOMULM042719WMA.M
Title : VOC Analysis

35	5.235	1286	1289	1292	rVB3	1435	963	0.03%	0.002%
36	5.334	1296	1320	1357	rBV2	1266195	3765364	100.00%	8.709%
37	5.669	1420	1424	1427	rBV4	1962	1623	0.04%	0.004%
38	5.726	1440	1442	1445	rVB3	1409	773	0.02%	0.002%
39	5.829	1469	1474	1476	rBV4	1139	961	0.03%	0.002%
40	5.881	1477	1490	1514	rBV	1002762	2040188	54.18%	4.719%
41	6.116	1561	1563	1569	rBV5	1374	991	0.03%	0.002%
42	6.177	1573	1582	1600	rVB5	9826	22790	0.61%	0.053%
43	6.267	1607	1610	1612	rBV2	1165	772	0.02%	0.002%
44	6.328	1612	1629	1650	rBV	809413	1682330	44.68%	3.891%
45	6.591	1709	1711	1714	rBV3	1502	1209	0.03%	0.003%
46	6.627	1719	1722	1727	rBV5	1369	1194	0.03%	0.003%
47	6.649	1727	1729	1732	rVB3	1635	905	0.02%	0.002%
48	6.672	1732	1736	1744	rBV9	1511	1673	0.04%	0.004%
49	6.723	1747	1752	1759	rVB6	2163	3019	0.08%	0.007%
50	6.759	1759	1763	1766	rBV	2923	2639	0.07%	0.006%
51	6.836	1785	1787	1793	rVB4	1580	1400	0.04%	0.003%
52	6.881	1793	1801	1804	rBV6	2491	2624	0.07%	0.006%
53	7.022	1842	1845	1849	rVB5	1605	1399	0.04%	0.003%
54	7.087	1862	1865	1868	rBV2	1415	1038	0.03%	0.002%
55	7.151	1883	1885	1888	rVB3	1343	855	0.02%	0.002%
56	7.225	1896	1908	1930	rBV	454227	853055	22.66%	1.973%
57	7.392	1957	1960	1966	rVB5	1990	1558	0.04%	0.004%
58	7.562	1998	2013	2052	rBV	1600638	2975191	79.01%	6.881%
59	7.845	2091	2101	2129	rBV	315304	573288	15.23%	1.326%
60	8.093	2175	2178	2181	rBV4	1362	1134	0.03%	0.003%
61	8.170	2194	2202	2203	rBV4	4751	4342	0.12%	0.010%
62	8.225	2215	2219	2224	rVB7	1925	2121	0.06%	0.005%
63	8.308	2232	2245	2279	rBV	1206696	2226673	59.14%	5.150%
64	8.842	2408	2411	2415	rBV4	1621	1340	0.04%	0.003%
65	8.980	2449	2454	2456	rBV3	1529	1417	0.04%	0.003%
66	9.086	2475	2487	2523	rBV	1443338	2530667	67.21%	5.853%
67	9.302	2551	2554	2560	rVB6	3166	3133	0.08%	0.007%
68	9.678	2667	2671	2674	rVB5	1072	749	0.02%	0.002%
69	9.781	2696	2703	2709	rBV5	12000	18394	0.49%	0.043%
70	9.842	2720	2722	2728	rVB6	3524	3091	0.08%	0.007%
71	9.890	2735	2737	2741	rVB4	1343	863	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

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\SOMULM042719WMA.M
Title : VOC Analysis

72	9.913	2741	2744	2748	rBV4	3626	3356	0.09%	0.008%
73	9.996	2767	2770	2772	rBV2	1323	941	0.02%	0.002%
74	10.009	2772	2774	2776	rBV3	1485	716	0.02%	0.002%
75	10.080	2792	2796	2798	rBV4	3434	2809	0.07%	0.006%
76	10.170	2819	2824	2828	rBV6	3337	3230	0.09%	0.007%
77	10.228	2838	2842	2844	rBV2	2477	1666	0.04%	0.004%
78	10.427	2892	2904	2926	rBV	1068827	1728411	45.90%	3.998%
79	10.604	2954	2959	2963	rVB7	3323	3301	0.09%	0.008%
80	10.665	2974	2978	2981	rBV4	2007	1981	0.05%	0.005%
81	10.691	2981	2986	2989	rVV7	2435	2481	0.07%	0.006%
82	10.746	3000	3003	3005	rBV3	3666	2655	0.07%	0.006%
83	10.813	3018	3024	3032	rVB4	17860	25309	0.67%	0.059%
84	11.266	3161	3165	3167	rBV3	3542	3018	0.08%	0.007%
85	11.479	3220	3231	3252	rBV	1433159	2319507	61.60%	5.365%
86	11.855	3337	3348	3369	rBV	1493385	2442151	64.86%	5.649%
87	12.022	3393	3400	3416	rVB2	94252	136375	3.62%	0.315%
88	13.122	3734	3742	3759	rBV	190713	317582	8.43%	0.735%
89	13.279	3784	3791	3814	rBV6	72463	171959	4.57%	0.398%
90	14.138	4051	4058	4067	rBV	164363	237731	6.31%	0.550%
91	15.060	4337	4345	4362	rVB2	465827	944692	25.09%	2.185%
92	15.604	4509	4514	4524	rVB	302090	438159	11.64%	1.013%
93	15.797	4569	4574	4582	rVB	205982	256438	6.81%	0.593%
94	15.909	4599	4609	4622	rBV	1852039	3196644	84.90%	7.394%
95	16.054	4646	4654	4661	rBV	1568347	2417978	64.22%	5.593%
96	16.430	4765	4771	4782	rVB	309528	454948	12.08%	1.052%
97	16.527	4792	4801	4816	rVB3	961689	1674401	44.47%	3.873%
98	17.019	4947	4954	4977	rVB3	992492	2561105	68.02%	5.924%
99	17.163	4992	4999	5009	rVB	699083	1050868	27.91%	2.431%
100	17.224	5011	5018	5028	rVB2	736839	1106311	29.38%	2.559%

Sum of corrected areas: 43234688

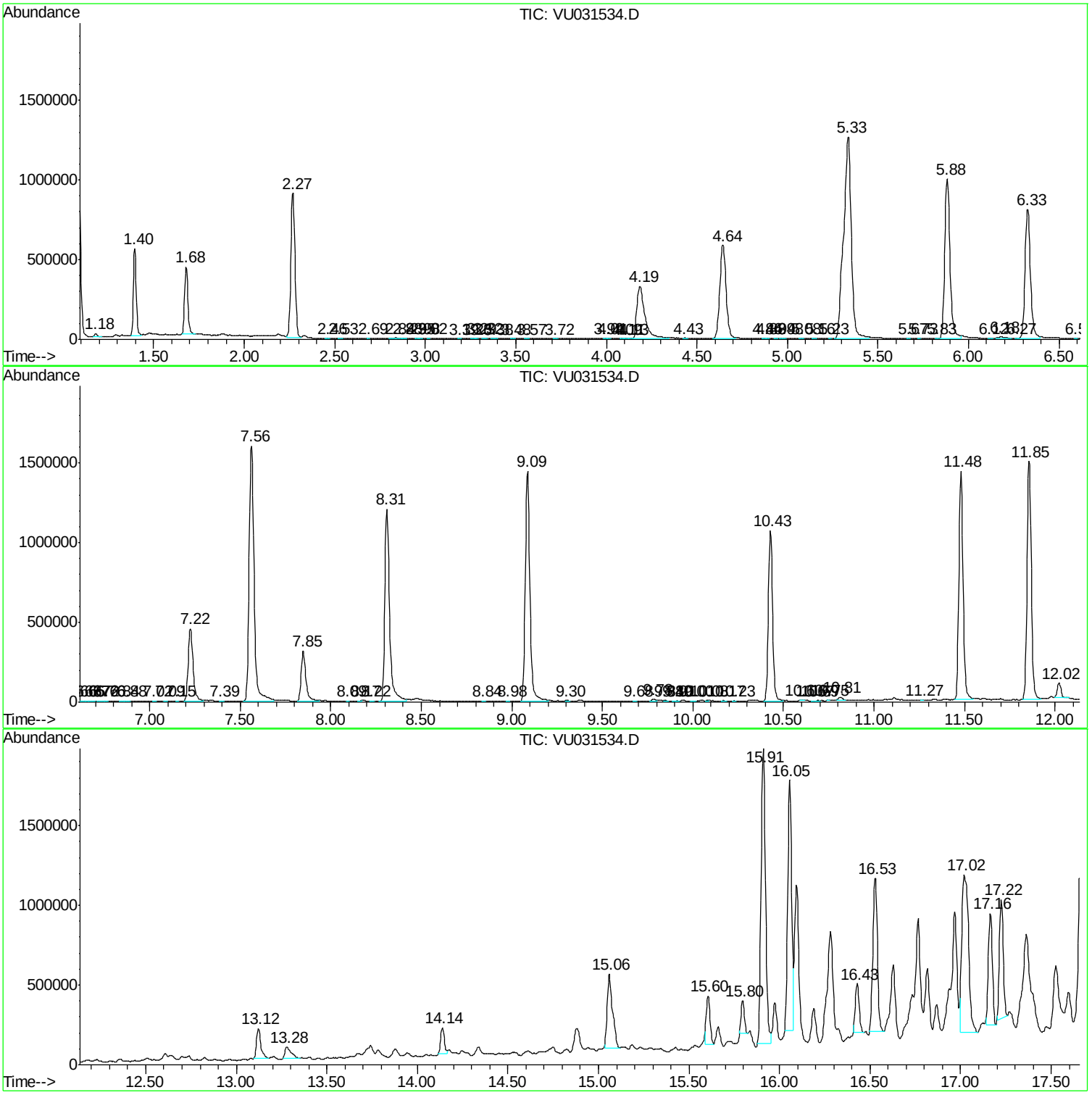
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

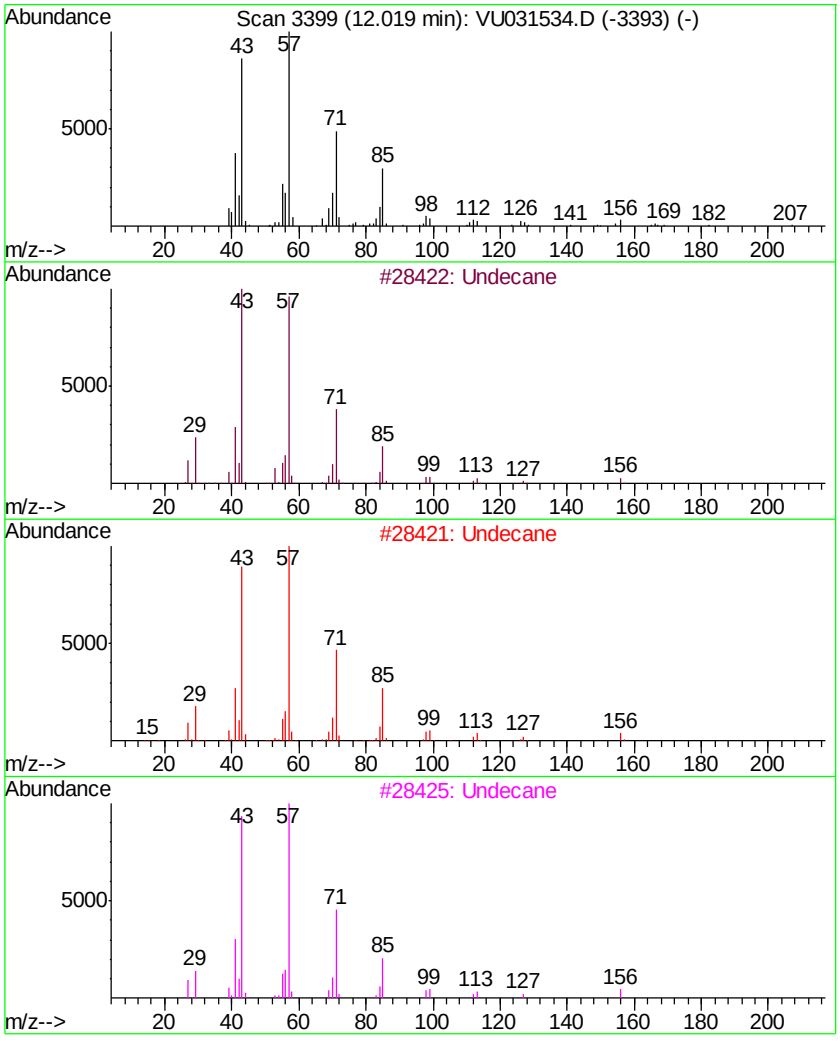
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

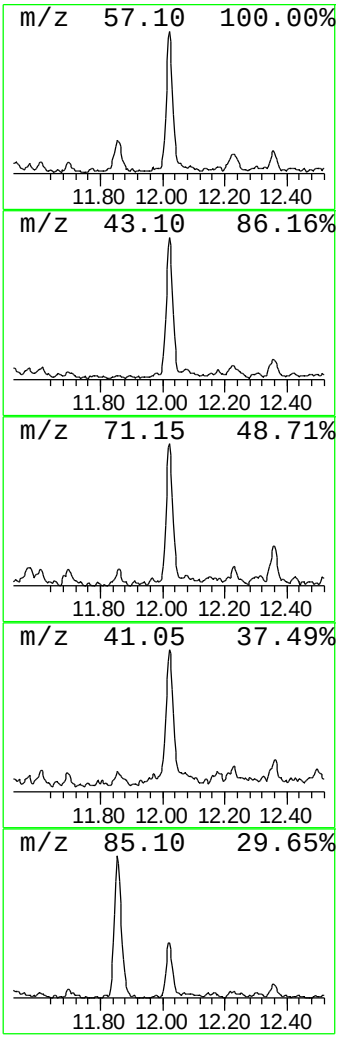
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.94 ug/L	136375	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	87
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	81
4	Hexadecane	226	C16H34	000544-76-3	72
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

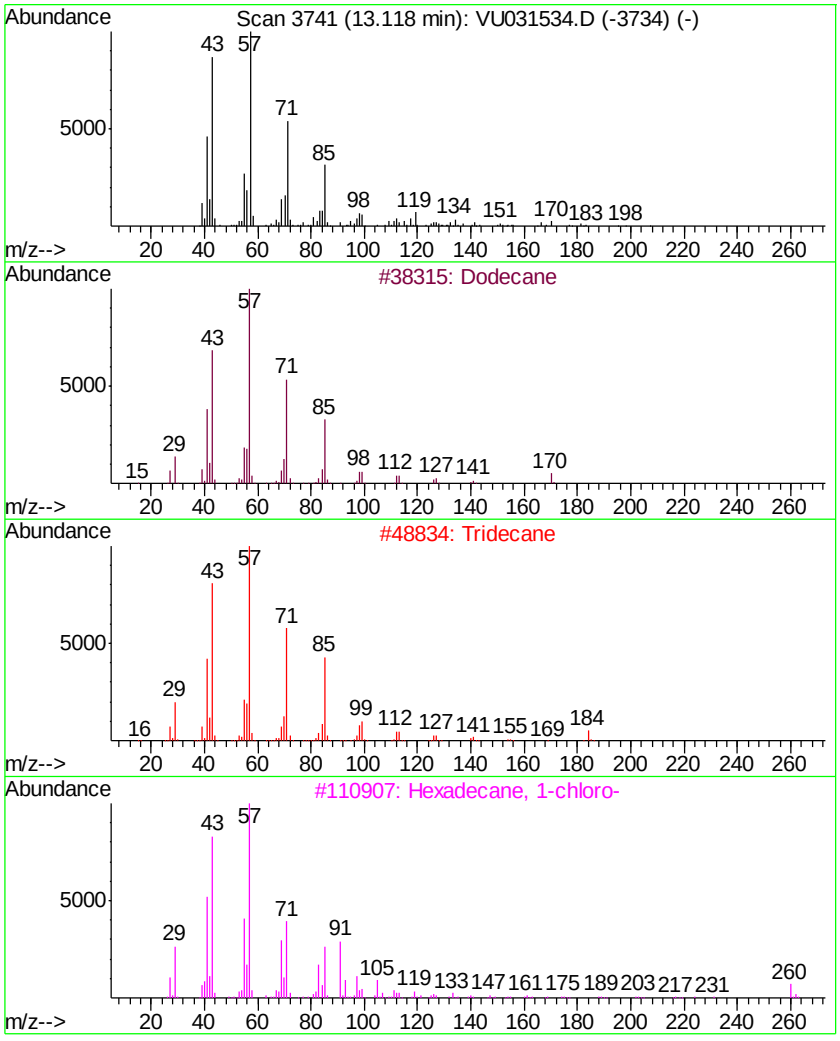
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

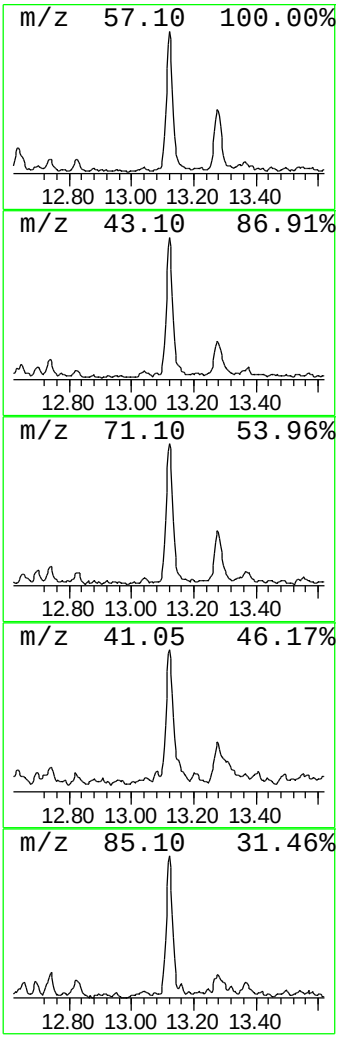
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	6.85 ug/L	317582	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Tridecane	184	C13H28	000629-50-5	80
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	72
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	72
5	Tetradecane	198	C14H30	000629-59-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

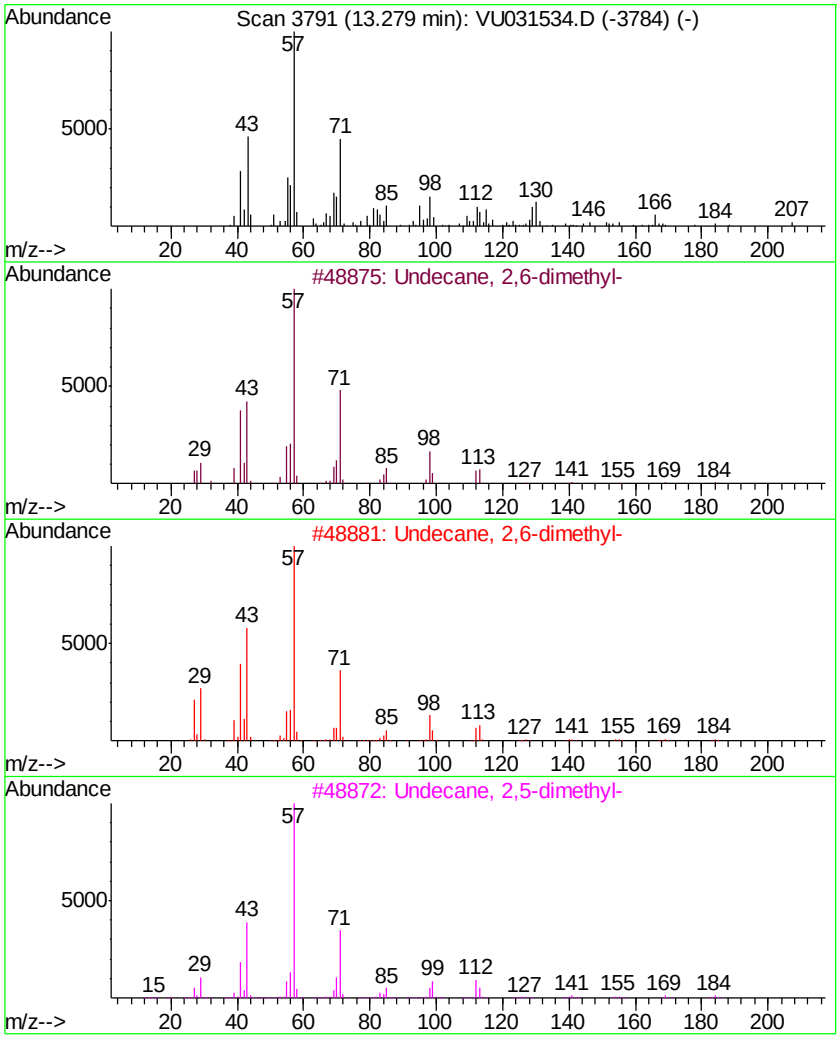
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

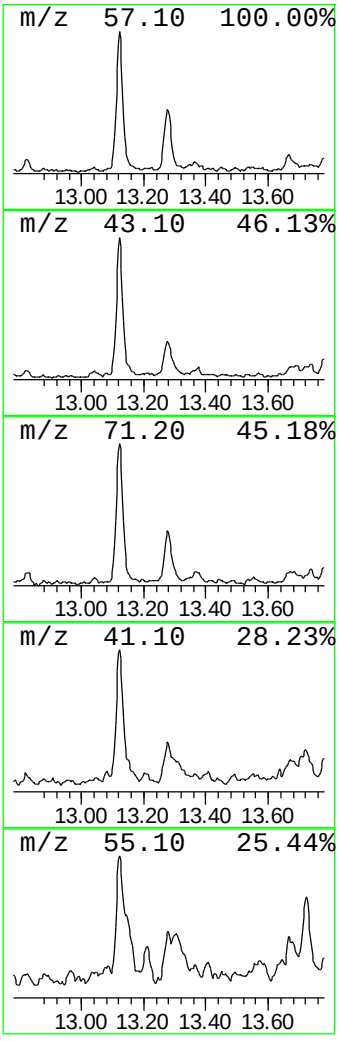
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.71 ug/L	171959	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	89
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	62
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	58
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

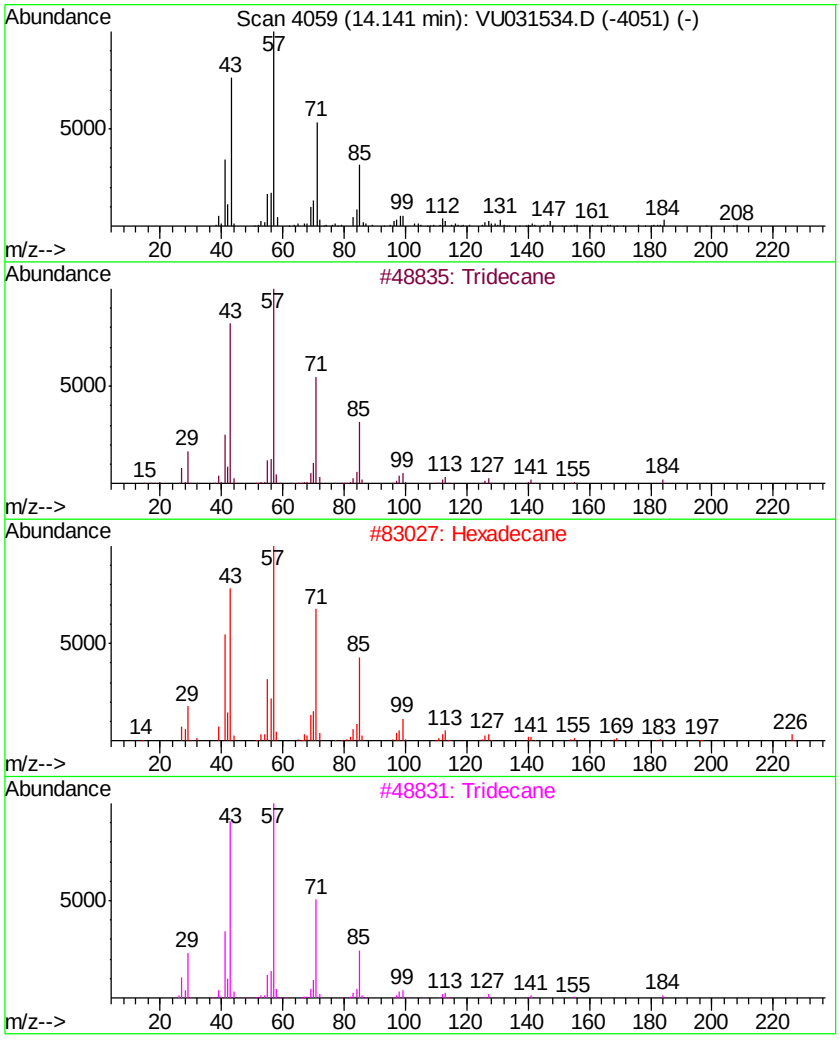
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

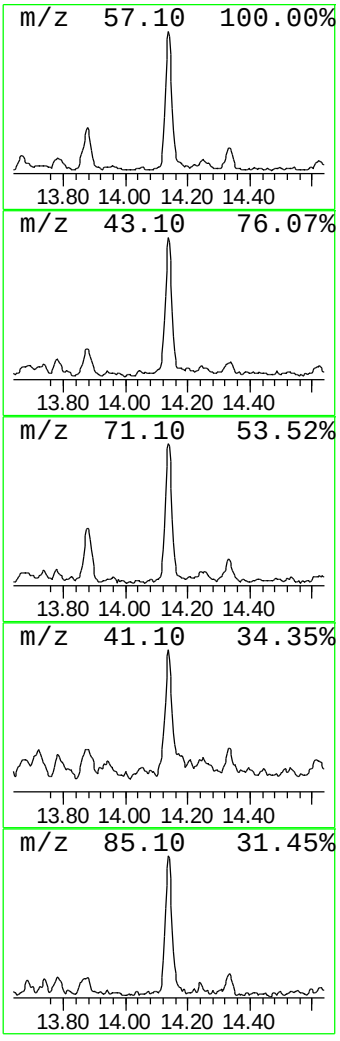
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	5.12 ug/L	237731	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane	184	C13H28	000629-50-5	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

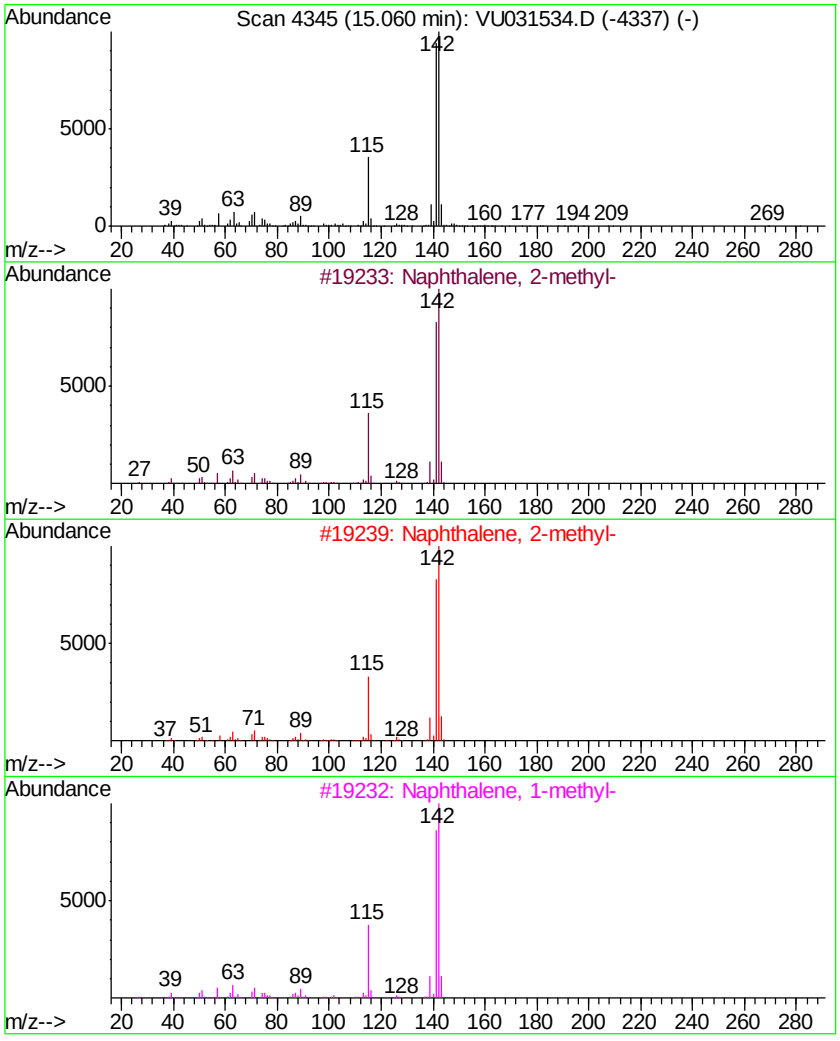
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

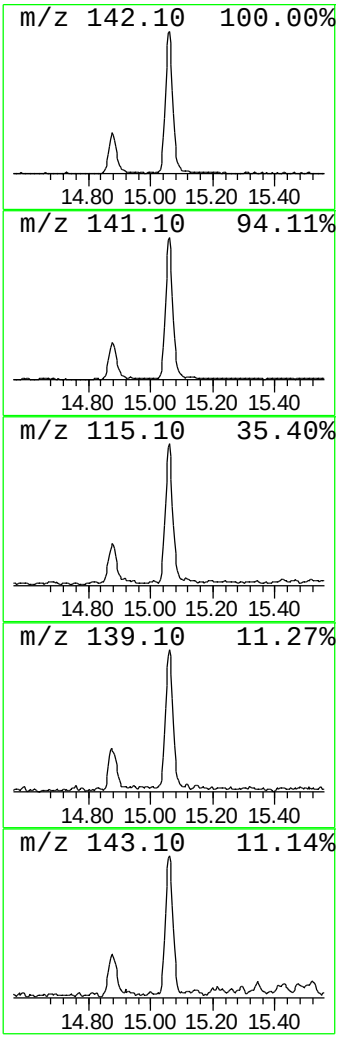
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	20.36 ug/L	944692	1,4-Dichlorobenzene-d4	11.48

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\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

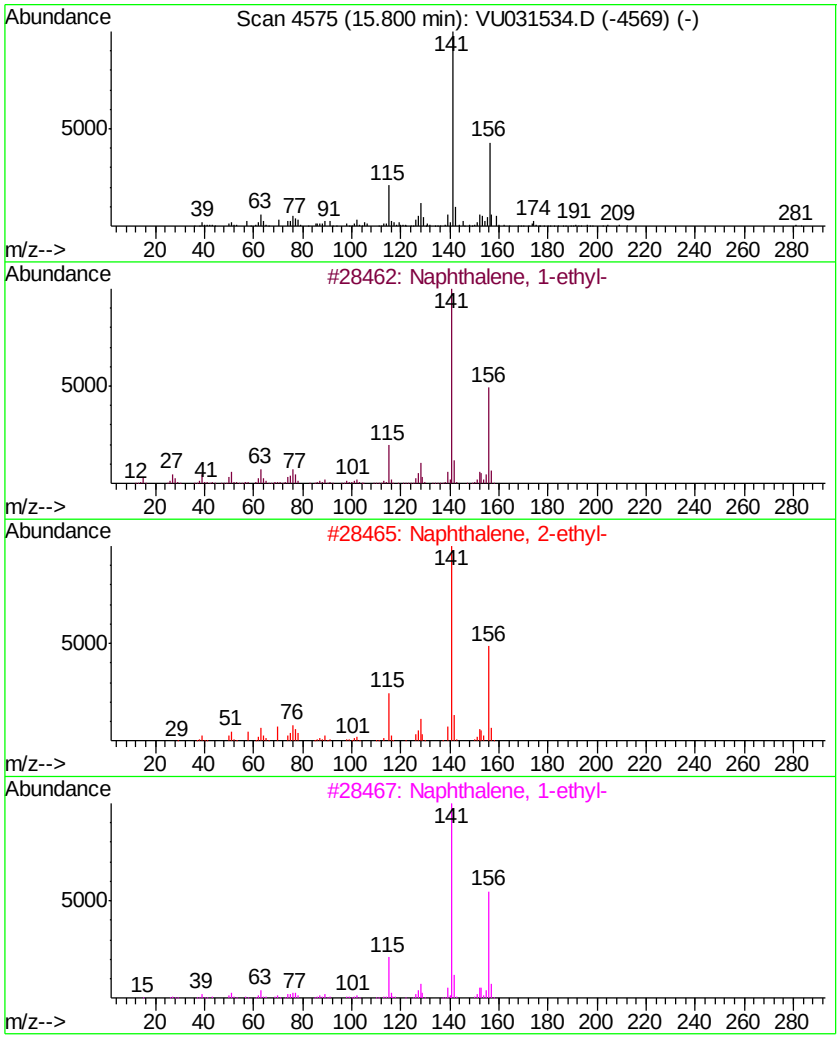
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

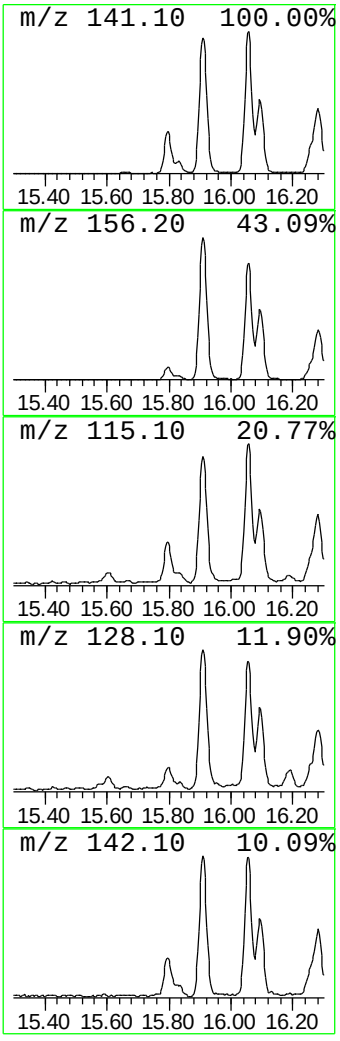
****

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	5.53 ug/L	256438	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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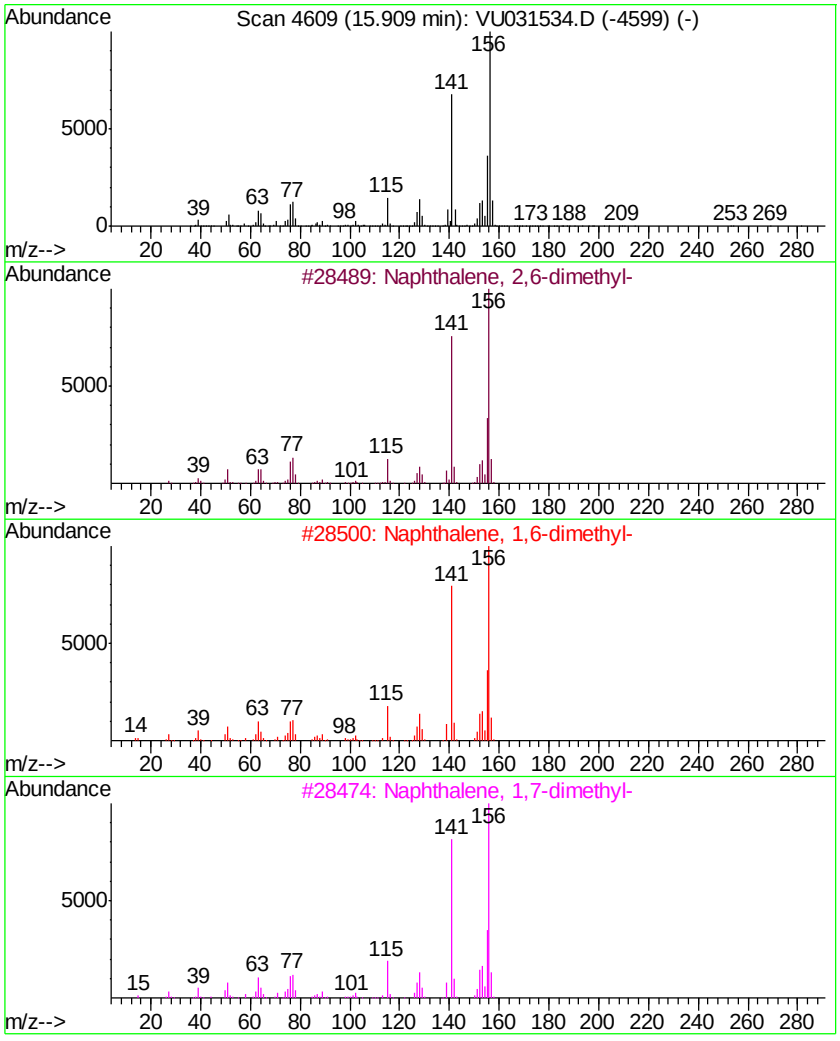
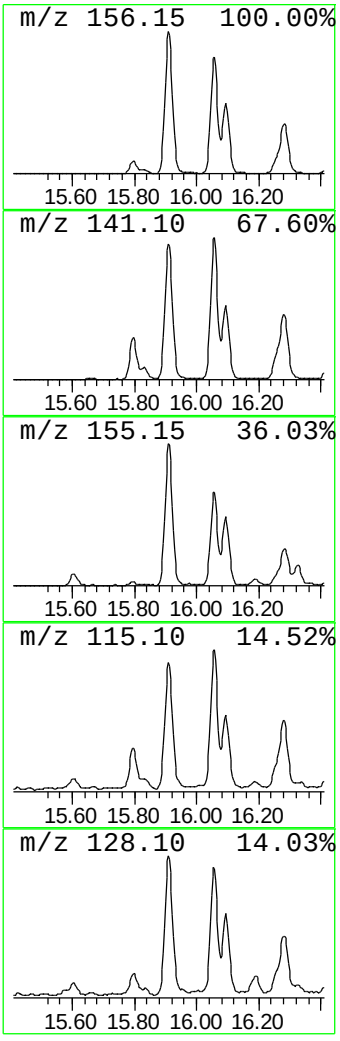
Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	68.91 ug/L	3196640	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





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Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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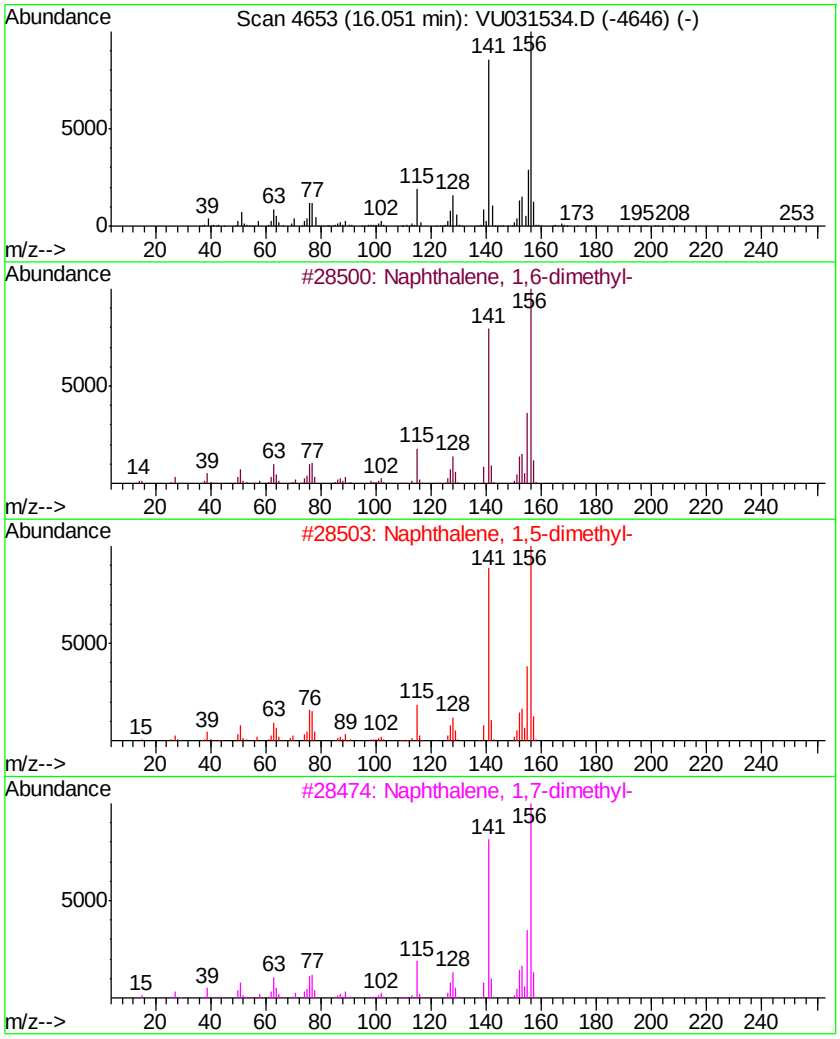
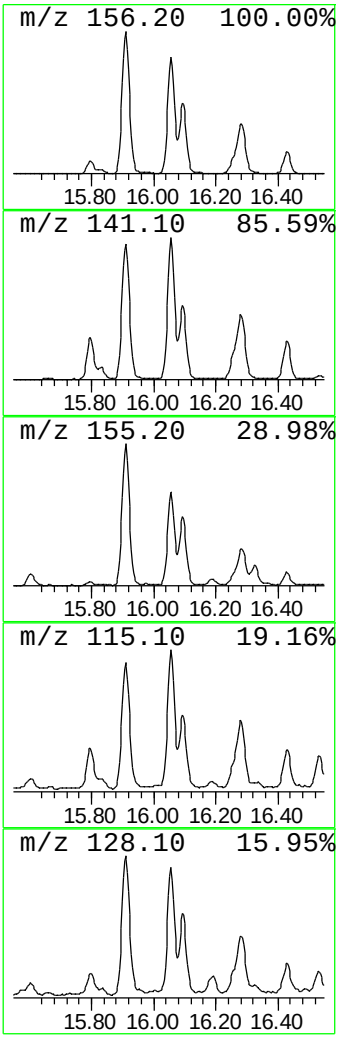
Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	52.12 ug/L	2417980	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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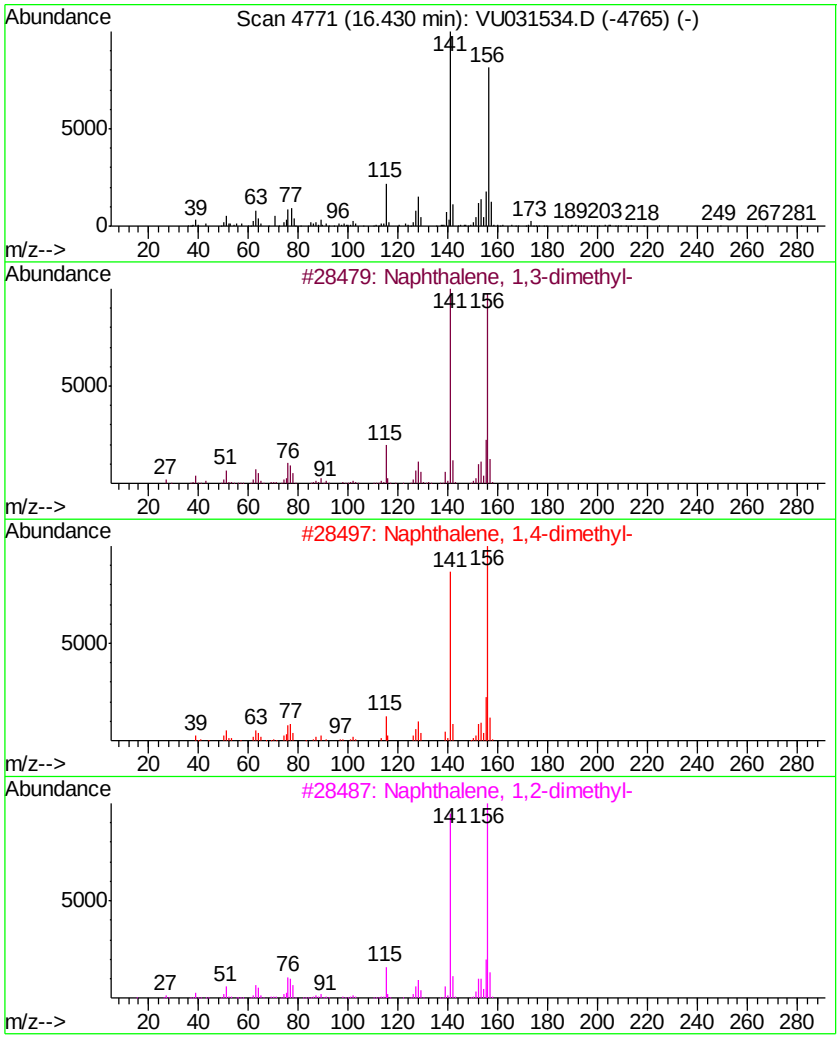
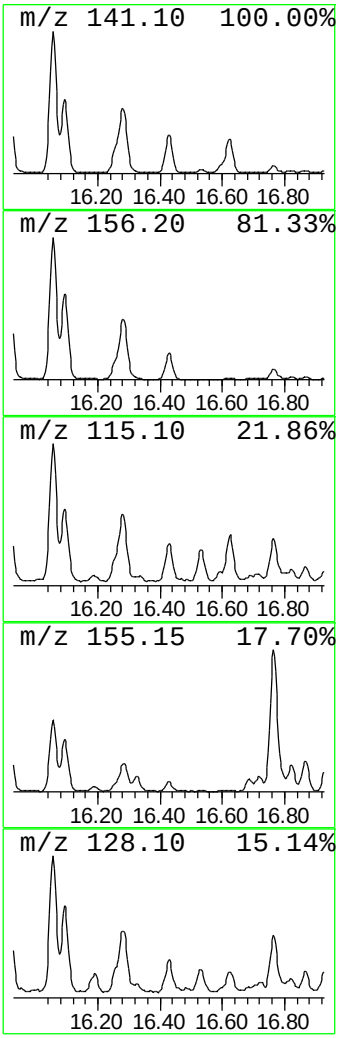
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	9.81 ug/L	454948	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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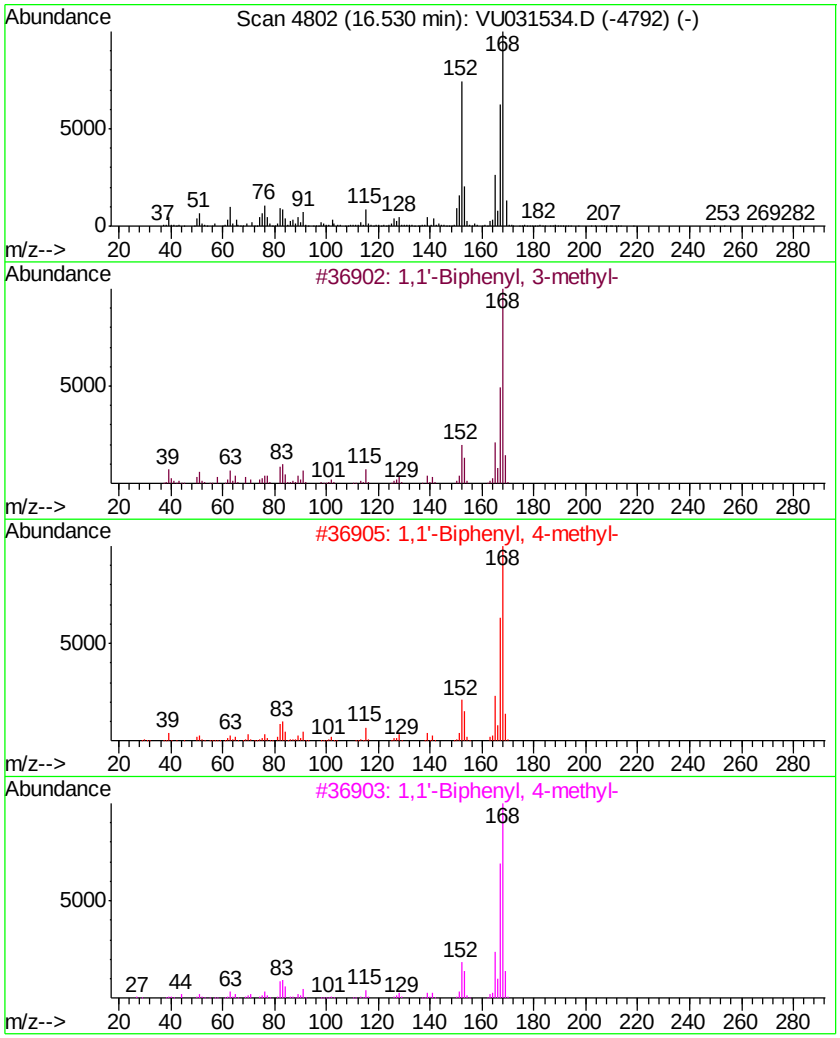
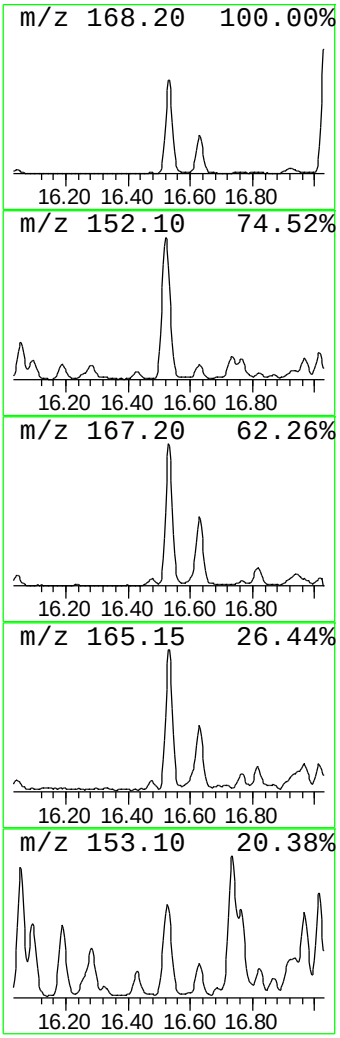
Peak Number 12 1,1'-Biphenyl, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	36.09 ug/L	1674400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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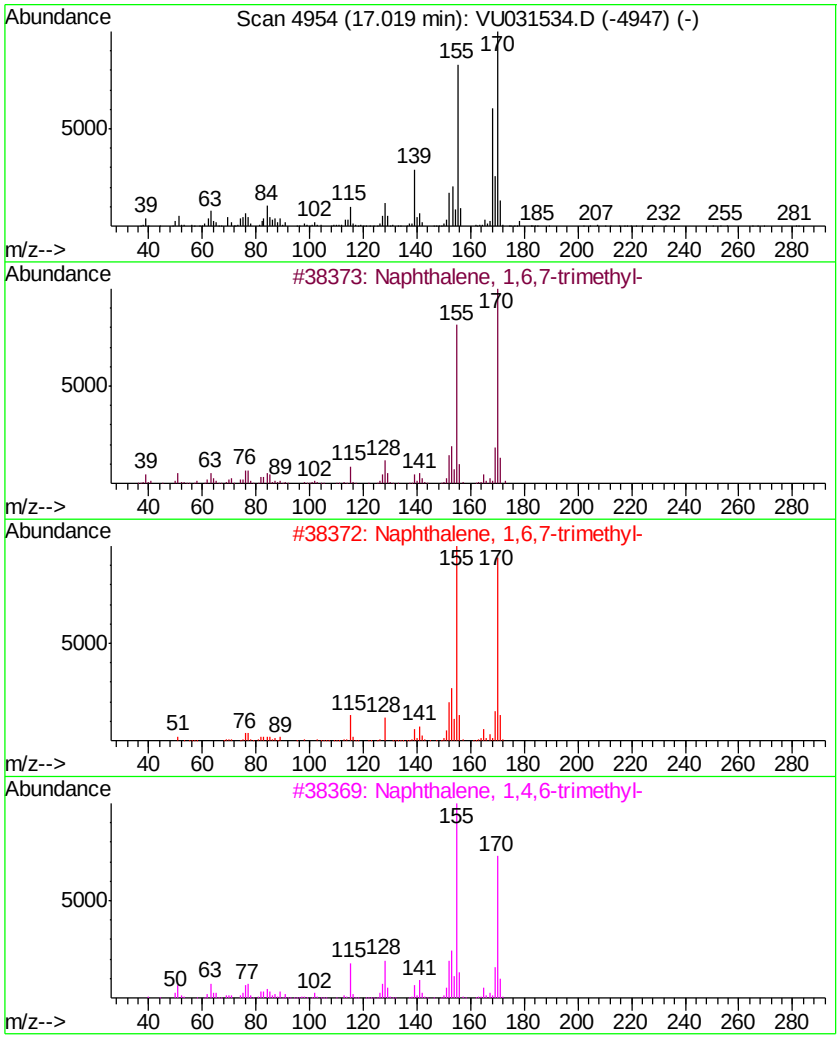
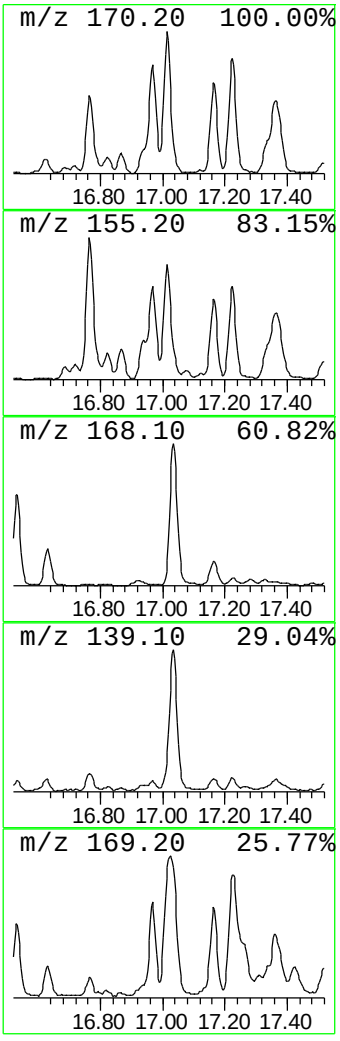
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	55.21 ug/L	2561110	1,4-Dichlorobenzene-d4	11.48

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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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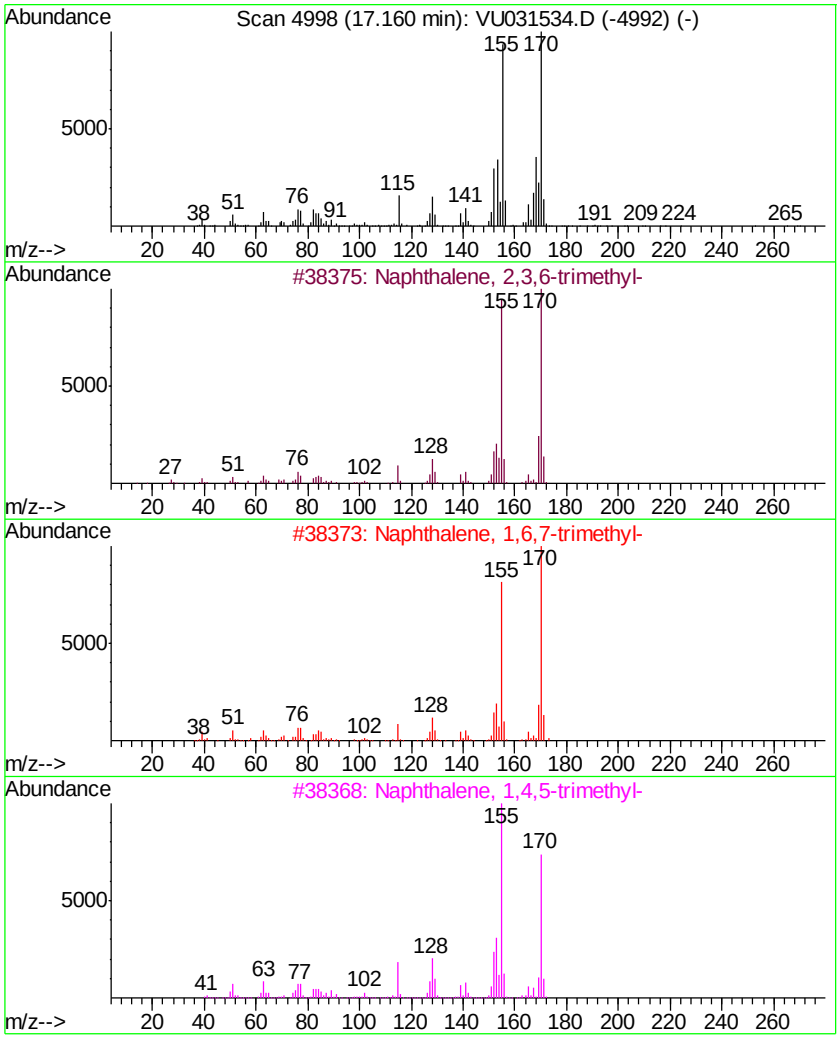
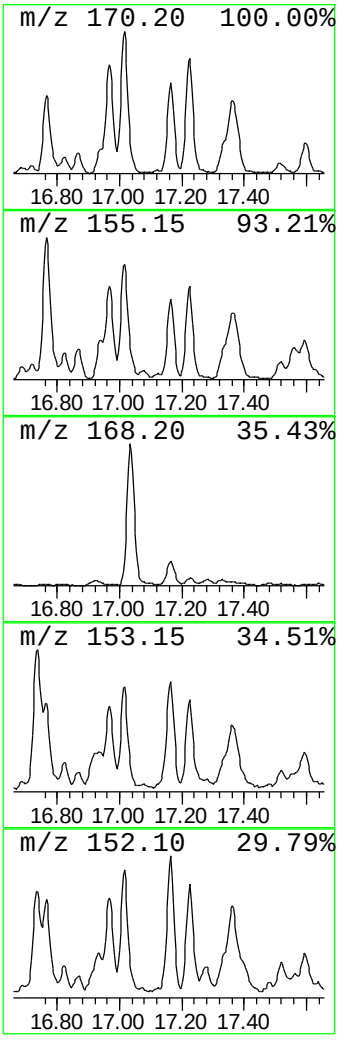
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	22.65 ug/L	1050870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042719\
Data File : VU031534.D
Acq On : 26 Apr 2019 15:43
Operator : JC/SP
Sample : K2596-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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
(DEL) Alkane: Str...	12.02	2.9	ug/L	136375	3	11.48	2319510	50.0
(DEL) Alkane: Str...	13.12	6.8	ug/L	317582	3	11.48	2319510	50.0
(DEL) Alkane: Str...	13.28	3.7	ug/L	171959	3	11.48	2319510	50.0
(DEL) Alkane: Str...	14.14	5.1	ug/L	237731	3	11.48	2319510	50.0
Naphthalene, 1-me...	15.06	20.4	ug/L	944692	3	11.48	2319510	50.0
Naphthalene, 1-et...	15.80	5.5	ug/L	256438	3	11.48	2319510	50.0
Naphthalene, 2,6-...	15.91	68.9	ug/L	3196640	3	11.48	2319510	50.0
Naphthalene, 1,6-...	16.05	52.1	ug/L	2417980	3	11.48	2319510	50.0
Naphthalene, 1,3-...	16.43	9.8	ug/L	454948	3	11.48	2319510	50.0
1,1'-Biphenyl, 3-...	16.53	36.1	ug/L	1674400	3	11.48	2319510	50.0
Naphthalene, 1,6,...	17.02	55.2	ug/L	2561110	3	11.48	2319510	50.0
Naphthalene, 2,3,...	17.16	22.6	ug/L	1050870	3	11.48	2319510	50.0