LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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	1.395	88	95	107	rBV	336936	372669	0.54%	0.102%
2	1.678	176	183	198	rBV	297791	388862	0.56%	0.106%
3	2.264	355	365	379	rVB	636732	983213	1.43%	0.269%
4	2.469	421	429	431	rBV7	3883	4404	0.01%	0.001%
5	2.540	448	451	456	rVB3	1606	1160	0.00%	0.000%
6	2.646	481	484	487	rBV3	1451	1122	0.00%	0.000%
7	2.891	556	560	561	rBV	1585	1249	0.00%	0.000%
8	2.987	586	590	595	rVB6	1774	1694	0.00%	0.000%
9	3.071	612	616	619	rBV3	1387	1317	0.00%	0.000%
10	3.264	674	676	681	rVV3	1222	1109	0.00%	0.000%
11	3.296	681	686	693	rVB4	2087	2577	0.00%	0.001%
12	3.337	693	699	702	rBV3	1838	2369	0.00%	0.001%
13	3.379	710	712	717	rVB	1563	1205	0.00%	0.000%
14	3.495	744	748	750	rBV4	2371	1994	0.00%	0.001%
15	3.543	758	763	764	rBV3	1178	933	0.00%	0.000%
16	3.611	782	784	790	rVB2	1927	1131	0.00%	0.000%
17	3.669	799	802	806	rVB3	1816	1486	0.00%	0.000%
18	3.714	810	816	822	rBV5	1075	1305	0.00%	0.000%
19	3.784	833	838	842	rBV2	1756	1952	0.00%	0.001%
20	3.833	849	853	857	rBV2	1373	1281	0.00%	0.000%
21	4.019	908	911	916	rVB3	1089	1040	0.00%	0.000%
22	4.058	916	923	924	rBV4	1255	1414	0.00%	0.000%
23	4.196	952	966	998	rBV	338741	1152650	1.67%	0.315%
24	4.643	1090	1105	1130	rBV2	559942	1324174	1.92%	0.362%
25	4.845	1164	1168	1172	rBV2	2090	1521	0.00%	0.000%
26	5.148	1259	1262	1266	rBV3	1373	1146	0.00%	0.000%
27	5.235	1285	1289	1293	rVB3	1215	1087	0.00%	0.000%
28	5.334	1297	1320	1356	rBV2	1150866	3505957	5.09%	0.958%
29	5.881	1476	1490	1514	rBV	1233208	2498016	3.62%	0.683%
30	6.180	1572	1583	1596	rBV9	12964	30111	0.04%	0.008%
31	6.328	1613	1629	1655	rBV	793961	1660543	2.41%	0.454%
32	6.604	1711	1715	1718	rBV4	1153	999	0.00%	0.000%
33	6.627	1718	1722	1727	rVV4	1374	1449	0.00%	0.000%
34	6.678	1732	1738	1743	rBV7	1788	1843	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
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Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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	6.762	1761	1764	1768	rVB2	1668	1160	0.00%	0.000%
36	6.784	1768	1771	1776	rVB6	1060	959	0.00%	0.000%
37	6.807	1776	1778	1780	rBV3	1724	976	0.00%	0.000%
38	6.878	1797	1800	1802	rBV4	2024	1626	0.00%	0.000%
39	7.074	1857	1861	1864	rVB3	1447	1160	0.00%	0.000%
40	7.106	1867	1871	1875	rBV5	1908	1867	0.00%	0.001%
41	7.177	1888	1893	1896	rBV6	2572	2231	0.00%	0.001%
42	7.225	1896	1908	1937	rBV	431776	817936	1.19%	0.224%
43	7.427	1963	1971	1980	rBV10	3780	6890	0.01%	0.002%
44	7.562	1999	2013	2026	rBV	1392872	2484375	3.60%	0.679%
45	7.633	2027	2035	2062	rVB	314340	631594	0.92%	0.173%
46	7.849	2087	2102	2140	rVB	290346	575323	0.83%	0.157%
47	8.225	2211	2219	2226	rBV7	4169	6001	0.01%	0.002%
48	8.315	2236	2247	2284	rBV	1341350	2677101	3.88%	0.732%
49	8.604	2328	2337	2346	rBV6	20532	36563	0.05%	0.010%
50	8.752	2374	2383	2391	rBV9	14511	26468	0.04%	0.007%
51	8.906	2424	2431	2442	rVB3	40543	61780	0.09%	0.017%
52	9.029	2460	2469	2476	rBV2	50250	80625	0.12%	0.022%
53	9.086	2476	2487	2524	rVB	1750718	3054335	4.43%	0.835%
54	9.247	2525	2537	2561	rBV	1648522	2778108	4.03%	0.759%
55	9.373	2566	2576	2589	rVV	946389	1707428	2.48%	0.467%
56	9.440	2590	2597	2617	rVB	382807	625945	0.91%	0.171%
57	9.646	2656	2661	2668	rBV7	10567	14258	0.02%	0.004%
58	9.781	2691	2703	2737	rVB3	1718186	3635869	5.27%	0.994%
59	9.948	2748	2755	2766	rVB2	207179	312920	0.45%	0.086%
60	10.041	2776	2784	2792	rBV5	138865	237108	0.34%	0.065%
61	10.430	2894	2905	2917	rBV	1173570	2153474	3.12%	0.588%
62	10.585	2946	2953	2961	rBV	165441	239773	0.35%	0.066%
63	10.704	2976	2990	2998	rBV	666777	1240762	1.80%	0.339%
64	10.810	3016	3023	3035	rVB	1639795	2404670	3.49%	0.657%
65	10.971	3064	3073	3076	rBV2	398744	606094	0.88%	0.166%
66	11.112	3109	3117	3119	rBV	458207	546190	0.79%	0.149%
67	11.144	3120	3127	3138	rVV	2899077	4450257	6.46%	1.216%
68	11.212	3139	3148	3157	rVV	3004125	4475597	6.49%	1.223%
69	11.263	3157	3164	3175	rVB	994115	1479479	2.15%	0.404%
70	11.395	3197	3205	3212	rBV3	436858	733369	1.06%	0.200%
71	11.479	3223	3231	3241	rBV	1888791	2850630	4.14%	0.779%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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	11.565	3251	3258	3266	rBV	1229500	1696817	2.46%	0.464%
73	11.765	3312	3320	3327	rBV2	542855	967421	1.40%	0.264%
74	11.858	3340	3349	3366	rVB4	2226175	4313861	6.26%	1.179%
75	11.977	3375	3386	3394	rBV	8935162	14082719	20.43%	3.848%
76	12.019	3394	3399	3408	rVB	3463871	4615068	6.69%	1.261%
77	12.353	3497	3503	3510	rBV3	510011	797191	1.16%	0.218%
78	12.485	3537	3544	3547	rBV5	461611	660567	0.96%	0.181%
79	12.607	3574	3582	3587	rBV	991478	1505339	2.18%	0.411%
80	12.700	3603	3611	3630	rBV5	1427876	3752488	5.44%	1.025%
81	12.819	3642	3648	3660	rVB3	957443	1421598	2.06%	0.388%
82	13.118	3733	3741	3751	rBV2	6132896	9206371	13.35%	2.516%
83	13.180	3753	3760	3772	rVB	4229471	6456042	9.37%	1.764%
84	13.286	3783	3793	3812	rBV2	6095669	11214746	16.27%	3.065%
85	13.739	3923	3934	3944	rVB2	38372965	61179748	88.75%	16.719%
86	14.138	4050	4058	4065	rBV2	3214086	4614796	6.69%	1.261%
87	14.334	4111	4119	4129	rBV6	2052518	3677101	5.33%	1.005%
88	14.874	4276	4287	4300	rBV2	44416279	68935787	100.00%	18.839%
89	15.057	4334	4344	4362	rBV	21937125	35473190	51.46%	9.694%
90	15.794	4566	4573	4581	rBV	3173430	4675622	6.78%	1.278%
91	15.909	4598	4609	4622	rBV	12909658	21814166	31.64%	5.961%
92	16.054	4644	4654	4661	rBV	11464386	18045728	26.18%	4.931%
93	16.093	4662	4666	4683	rVB	6116747	8346161	12.11%	2.281%
94	16.183	4686	4694	4706	rVB	2662901	4202348	6.10%	1.148%
95	16.279	4709	4724	4734	rBV	3298738	7378616	10.70%	2.016%
96	16.427	4763	4770	4781	rVB	1471337	2200806	3.19%	0.601%
97	16.520	4790	4799	4815	rVB2	3253388	6007658	8.71%	1.642%
98	17.012	4946	4952	4976	rVB2	1422240	2682519	3.89%	0.733%
99	17.160	4991	4998	5008	rVB	1162522	1792078	2.60%	0.490%
100	17.224	5010	5018	5028	rBV2	823664	1295820	1.88%	0.354%

Sum of corrected areas: 365928255

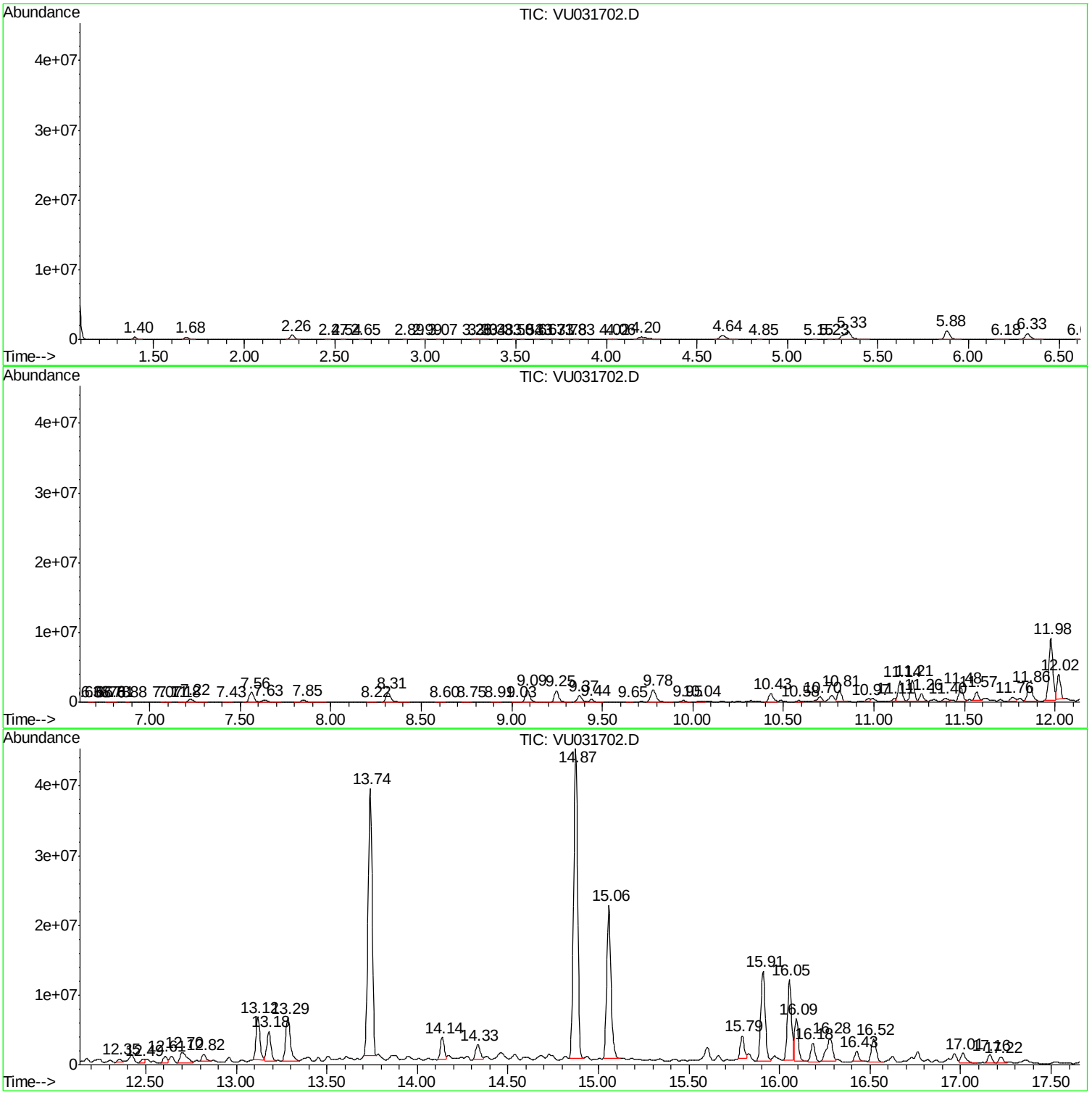
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

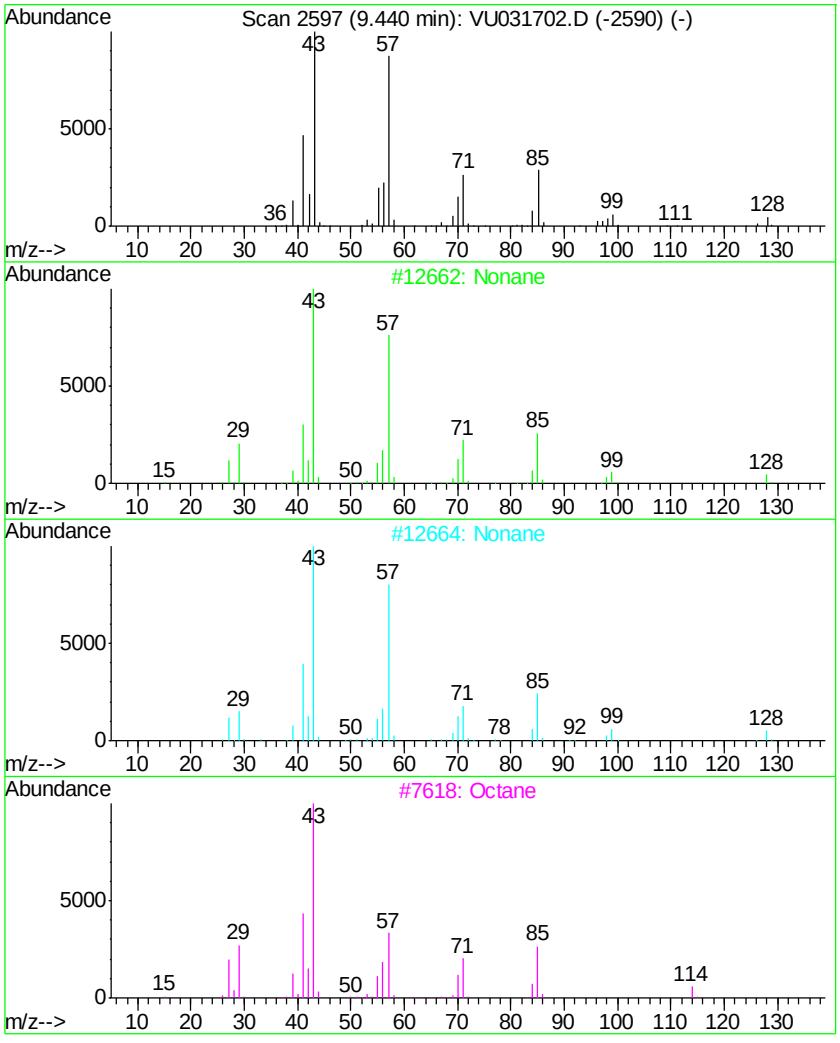
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

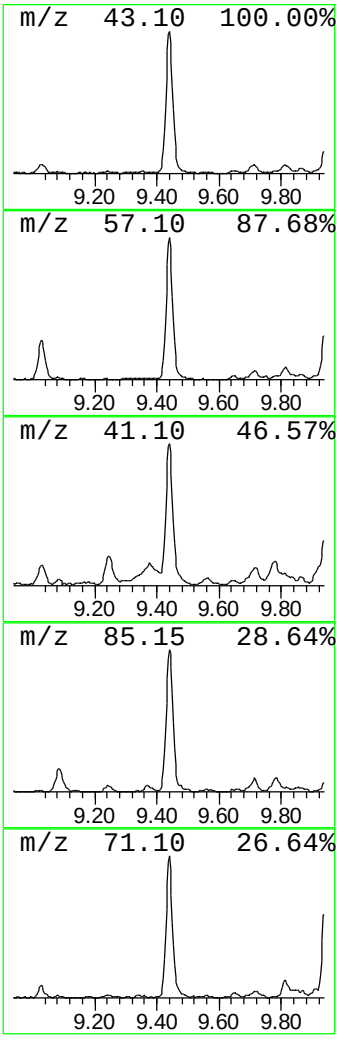
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	10.25 ug/L	625945	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	90
3	Octane	114	C8H18	000111-65-9	72
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
5	Pentadecane	212	C15H32	000629-62-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

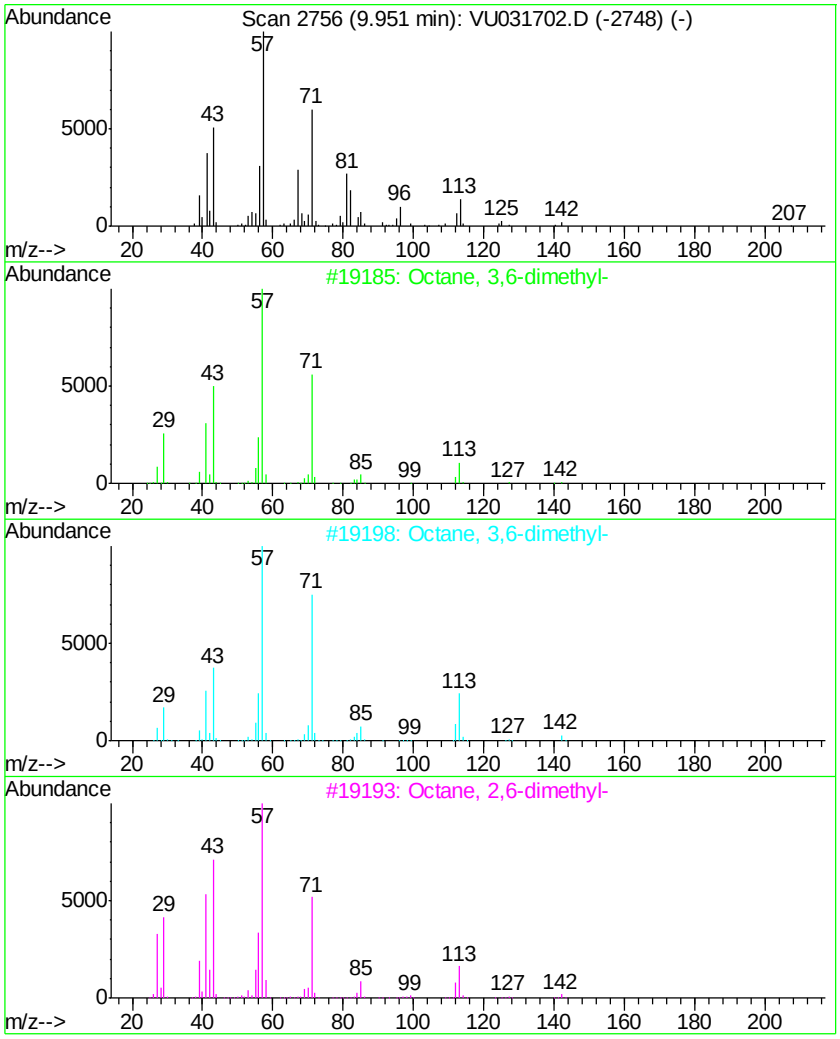
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

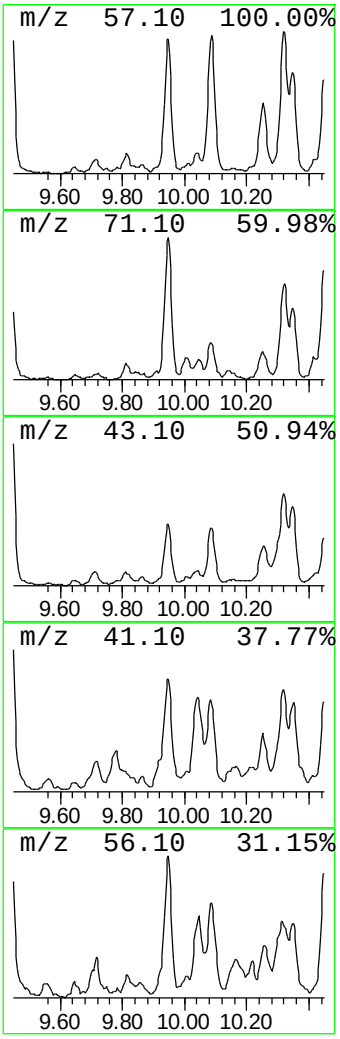
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	5.12 ug/L	312920	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	62
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	47
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

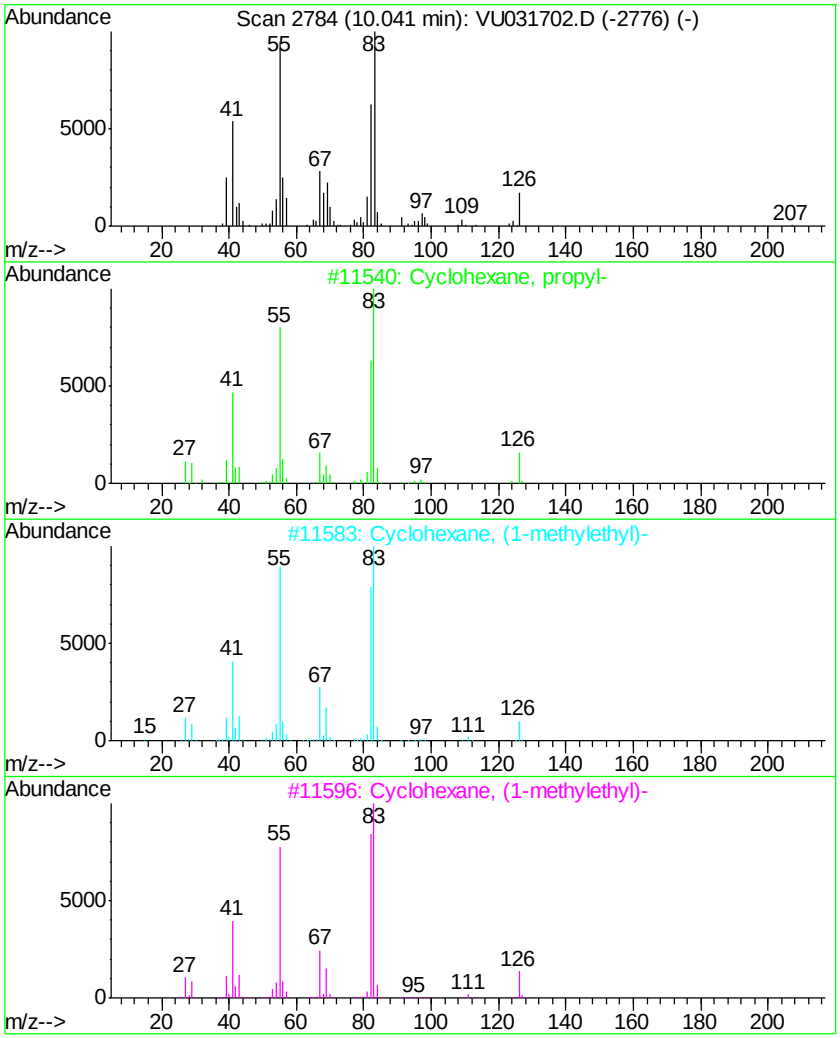
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

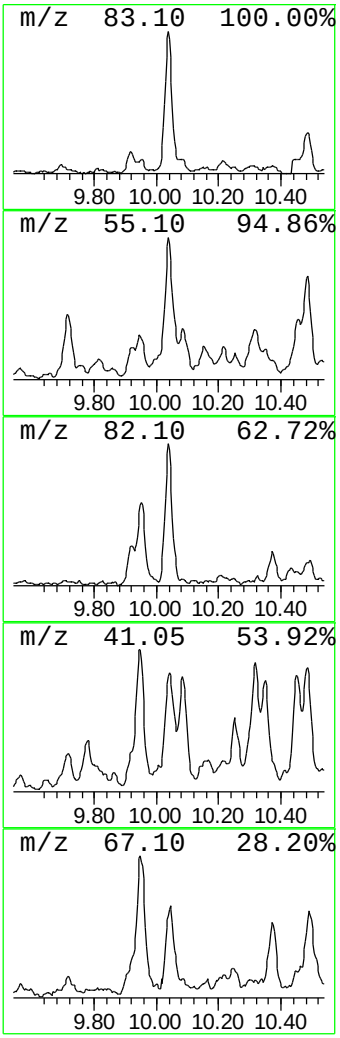
****

Peak Number 4 (DEL) Alkane: Cyclic10.04 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	3.88 ug/L	237108	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

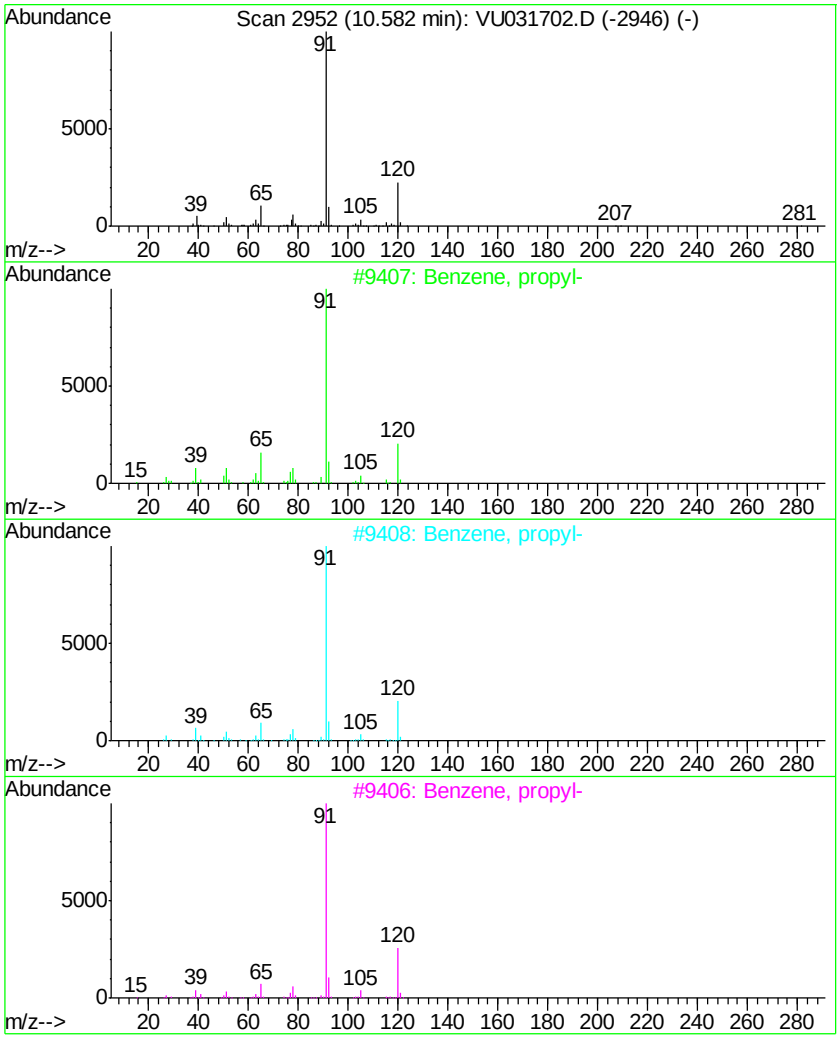
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

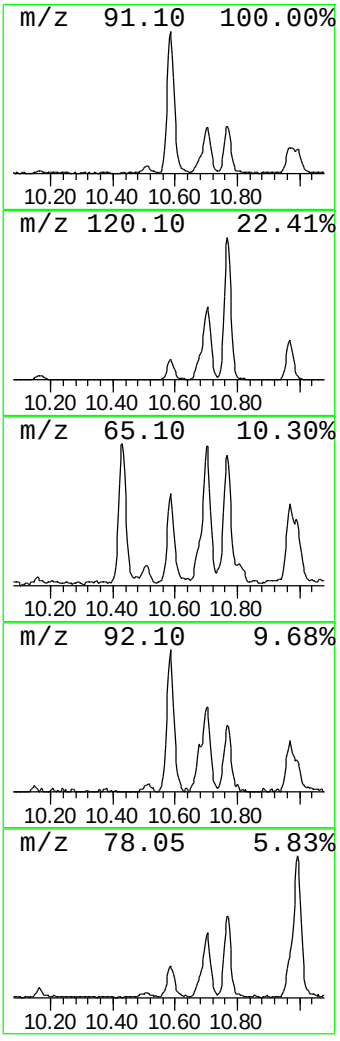
****

Peak Number 5 Benzene, propyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.21 ug/L	239773	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

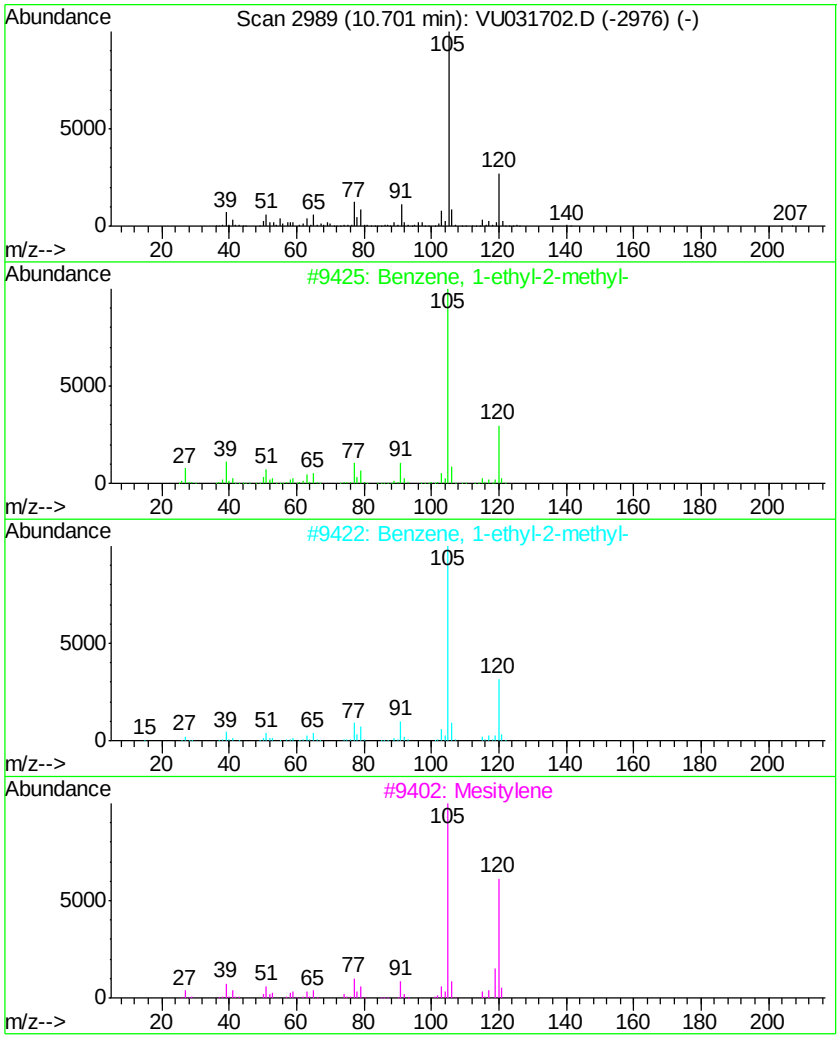
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

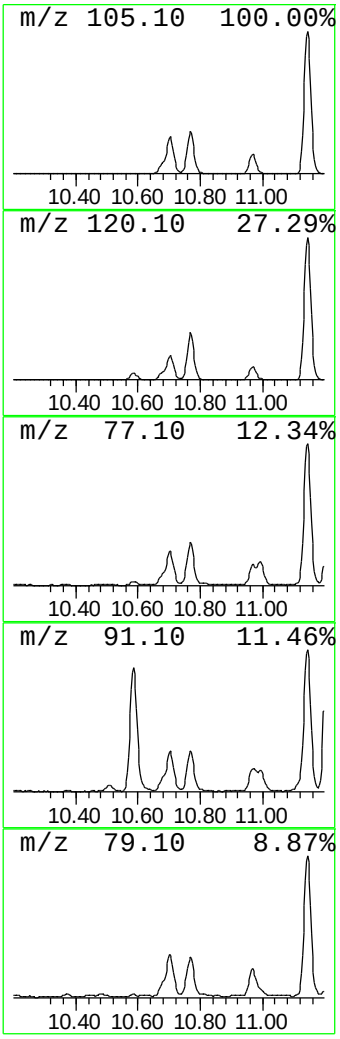
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	21.76 ug/L	1240760	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

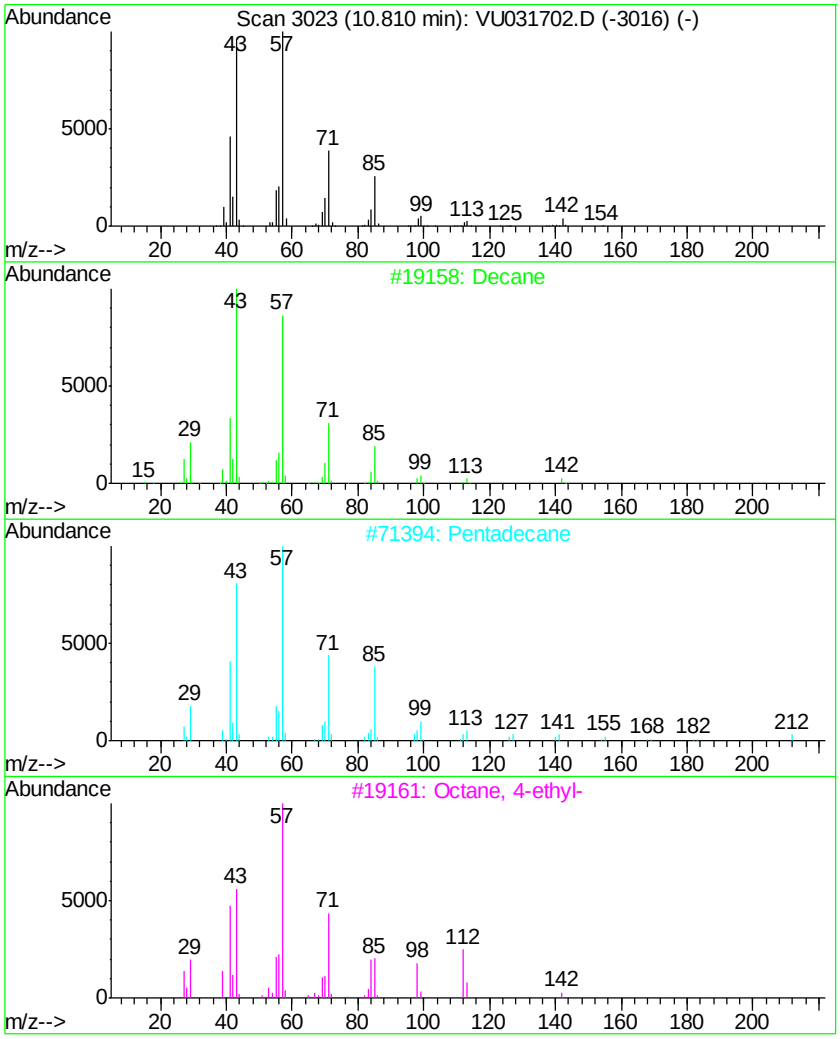
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

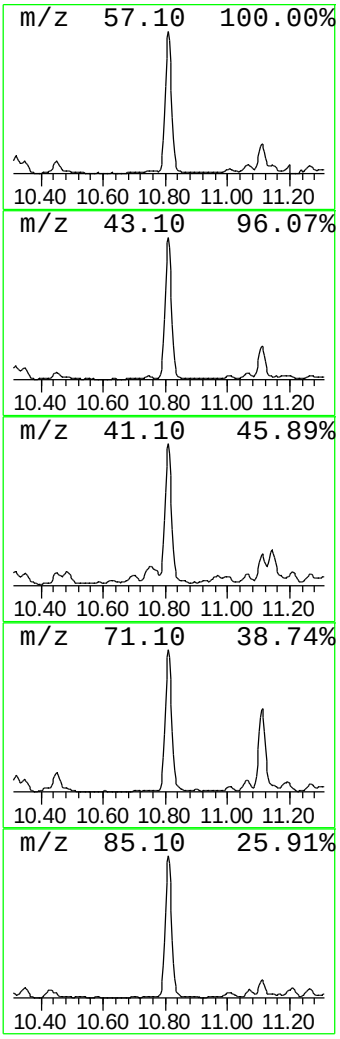
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	42.18 ug/L	2404670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Pentadecane	212	C15H32	000629-62-9	78
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	74
4	Hexadecane	226	C16H34	000544-76-3	72
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

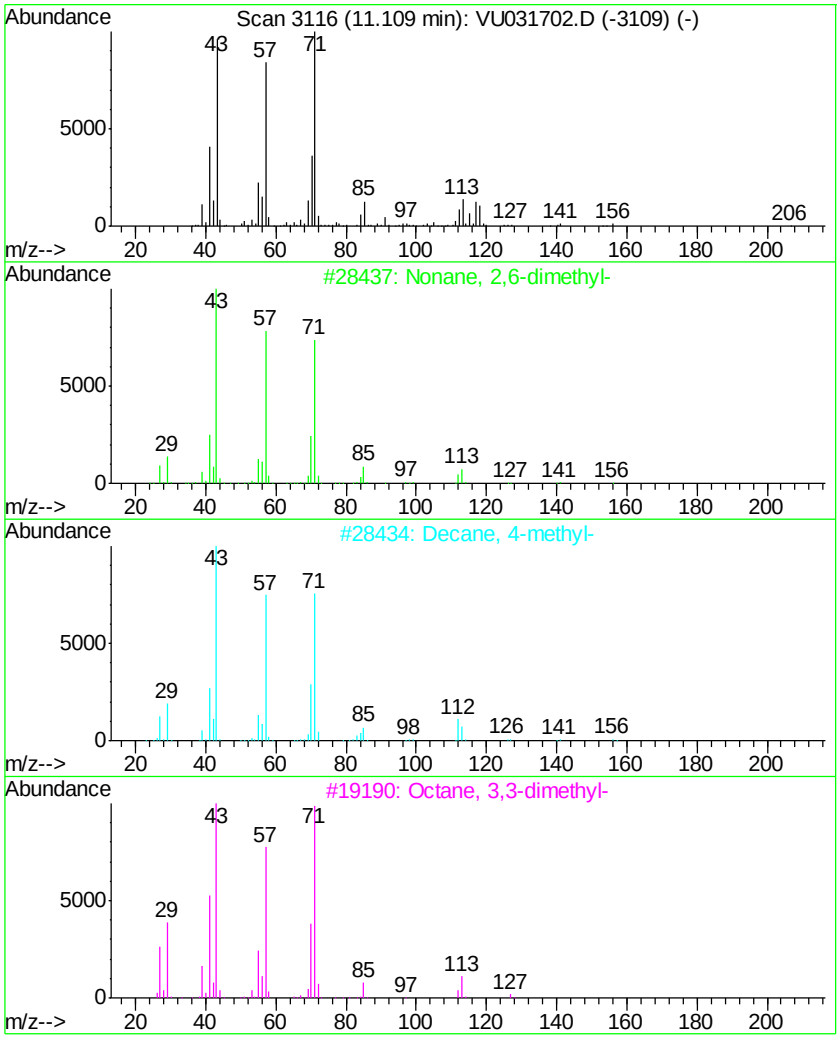
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

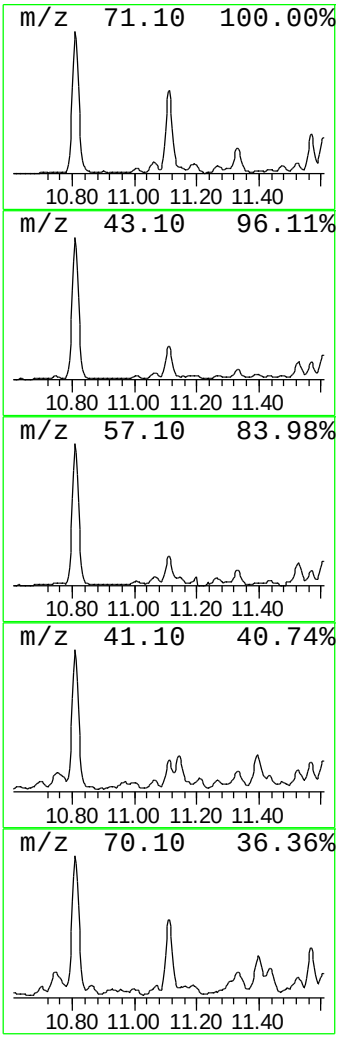
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	9.58 ug/L	546190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	81
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Decane, 4-methyl-	156	C11H24	002847-72-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

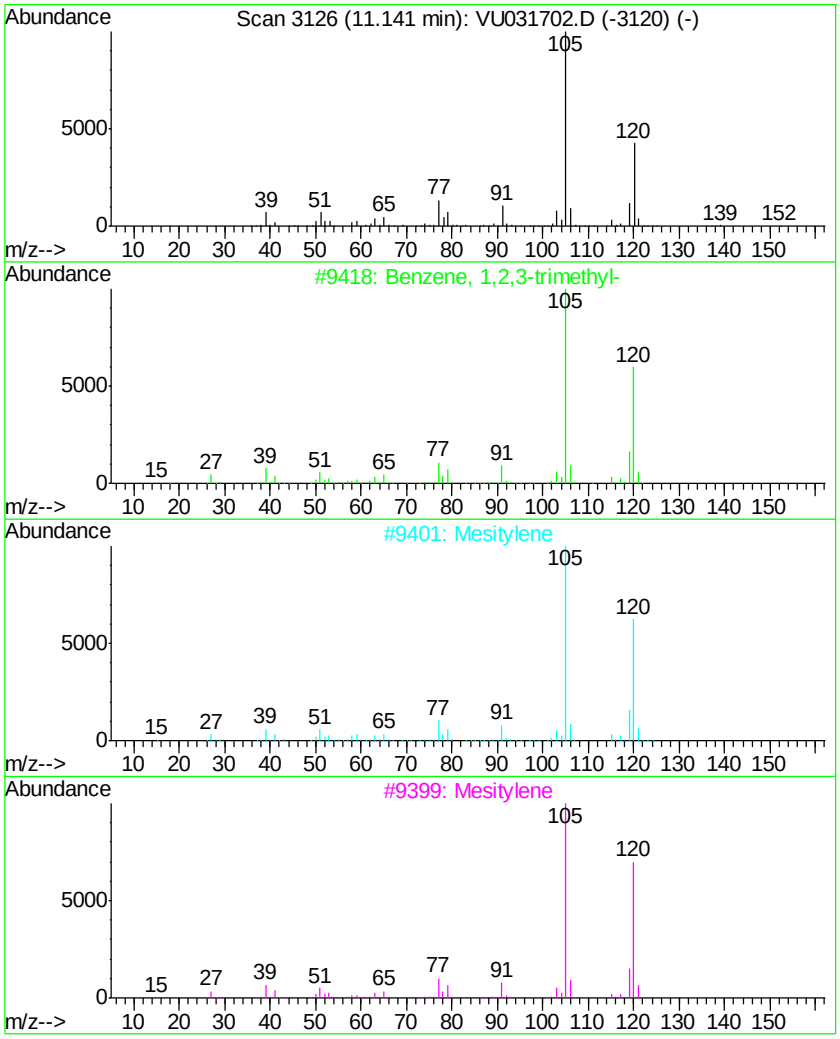
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

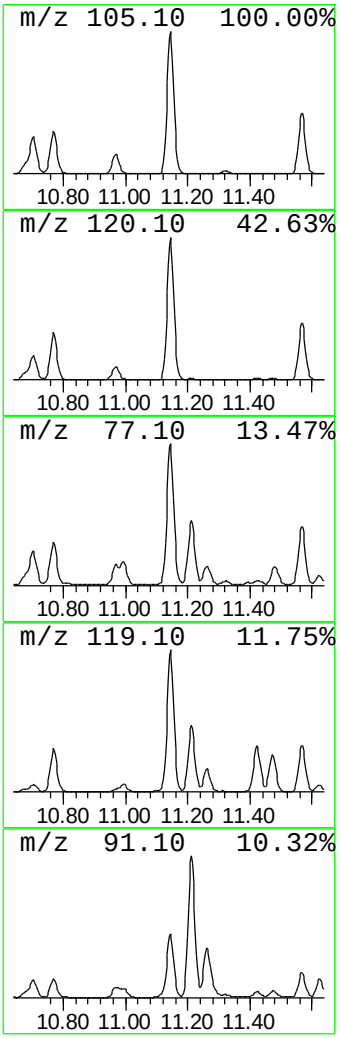
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	78.06 ug/L	4450260	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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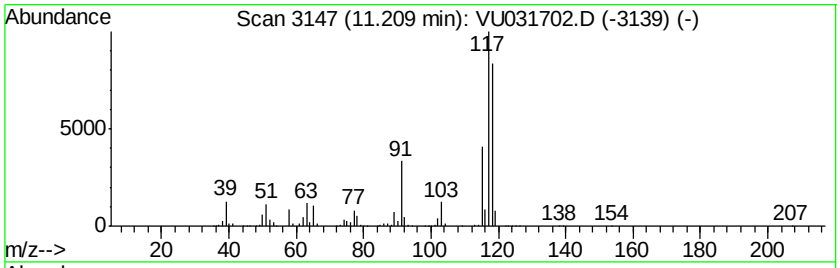
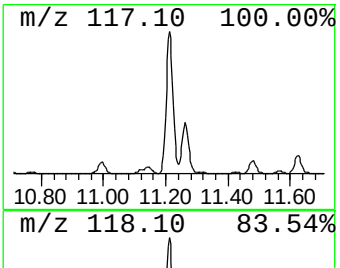
Peak Number 11 Benzene, 1-ethenyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	78.50 ug/L	4475600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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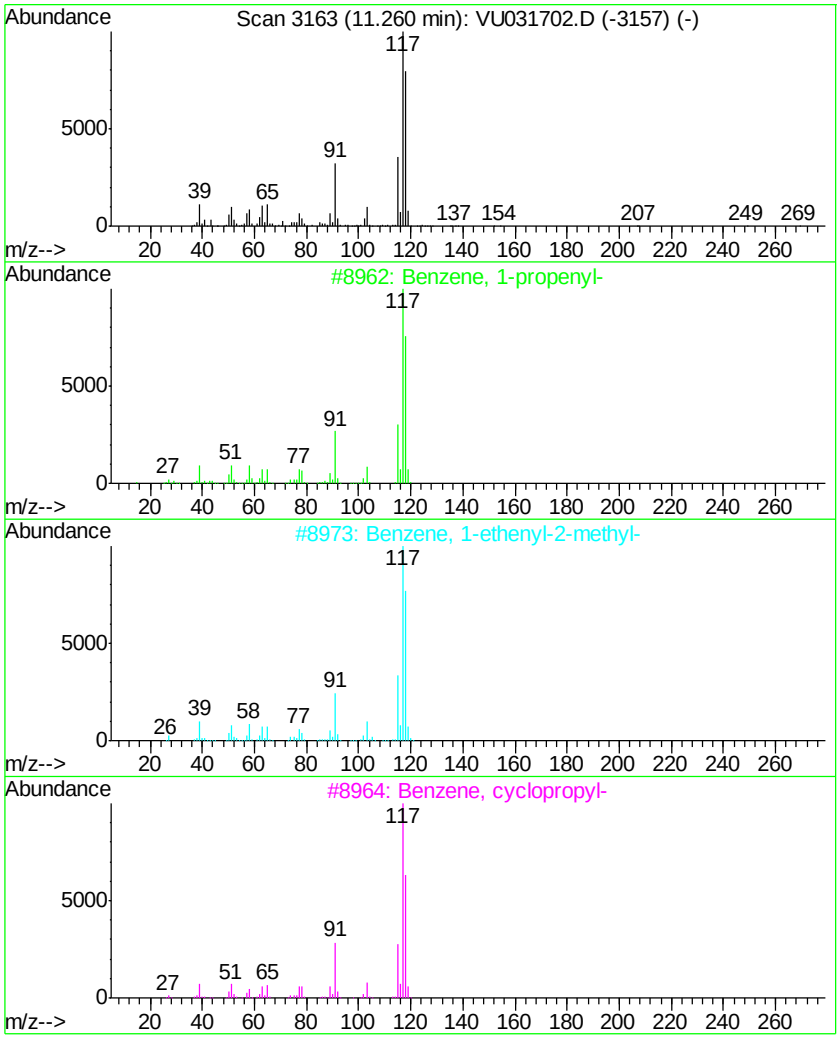
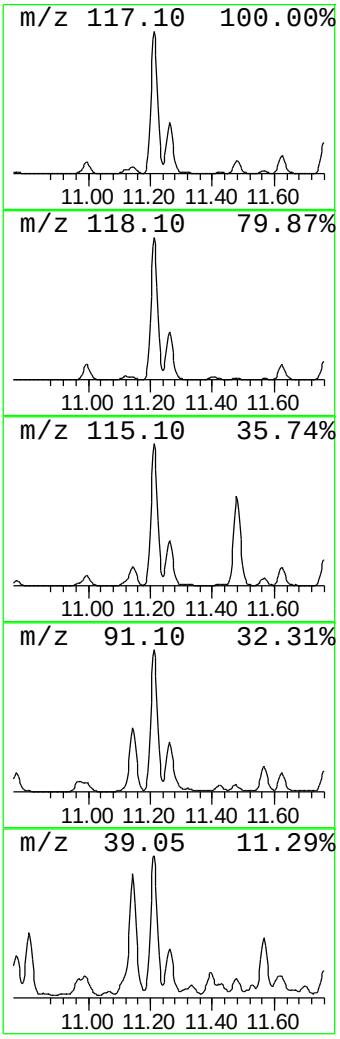
Peak Number 12 Benzene, 1-propenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	25.95 ug/L	1479480	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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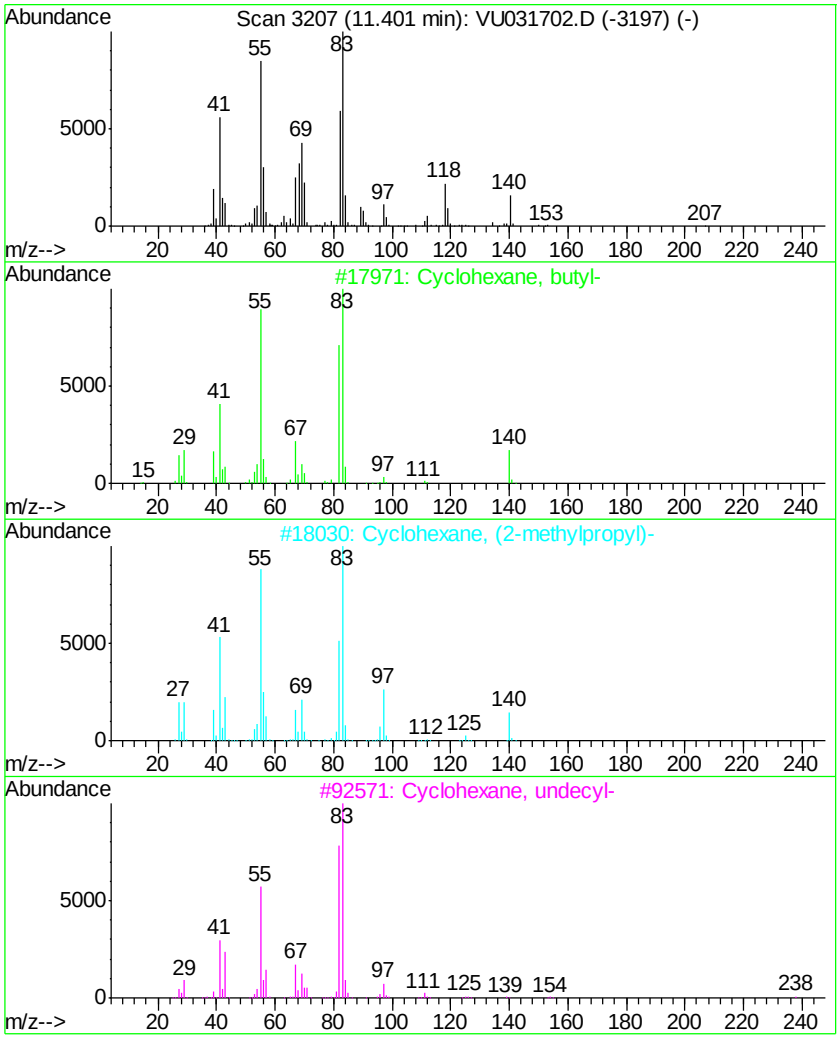
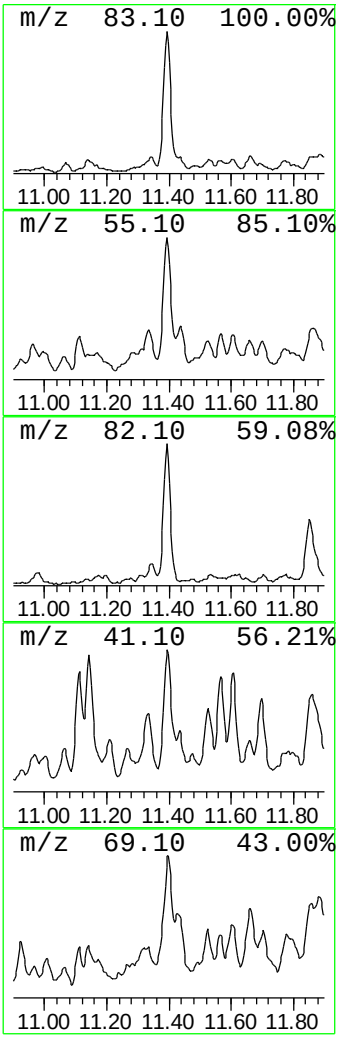
Peak Number 13 (DEL) Alkane: Cyclic11.40 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	12.86 ug/L	733369	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
3	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

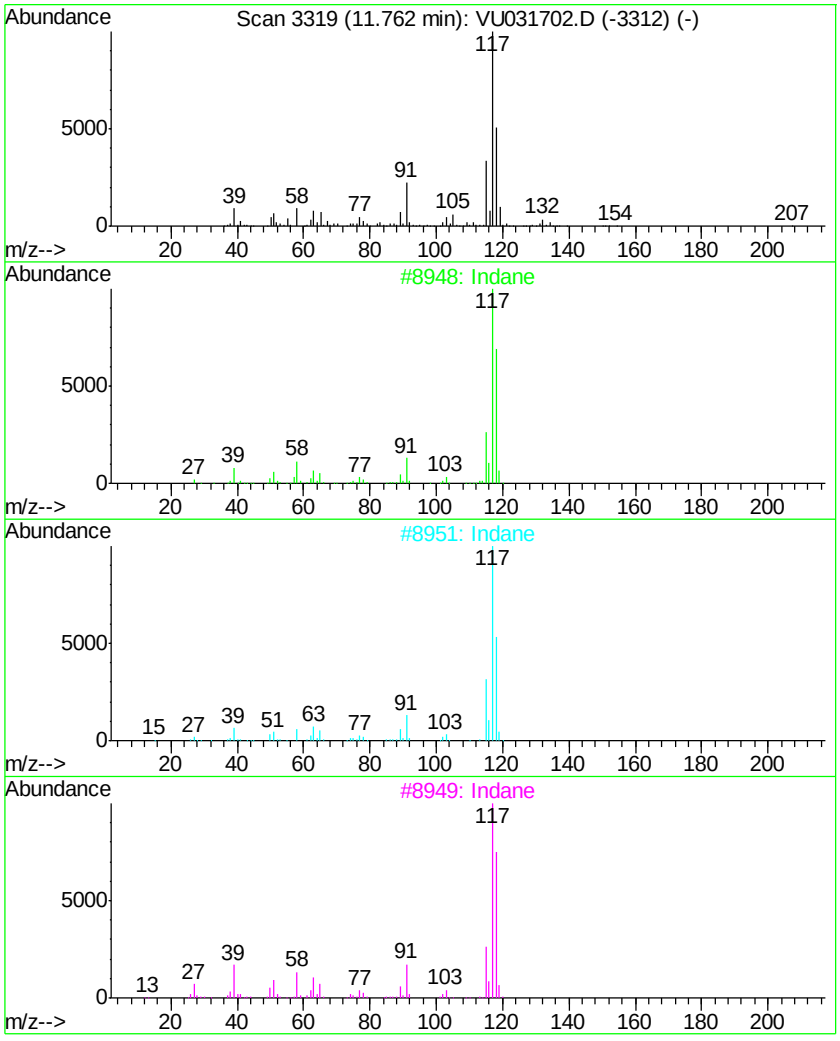
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

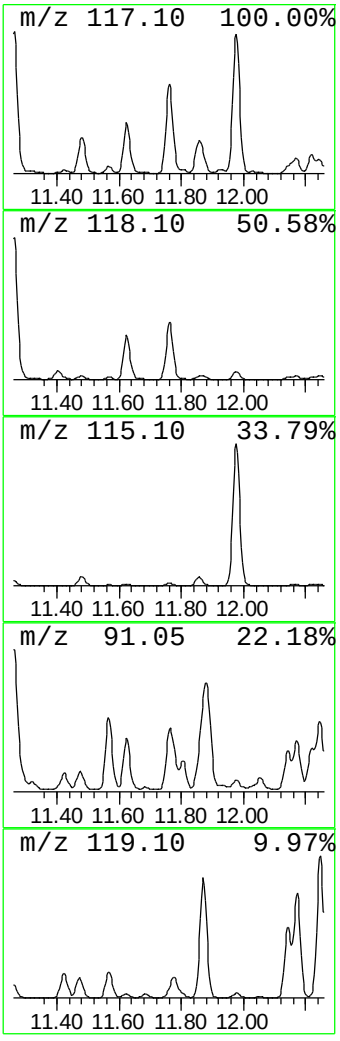
****

Peak Number 15 Indane Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	16.97 ug/L	967421	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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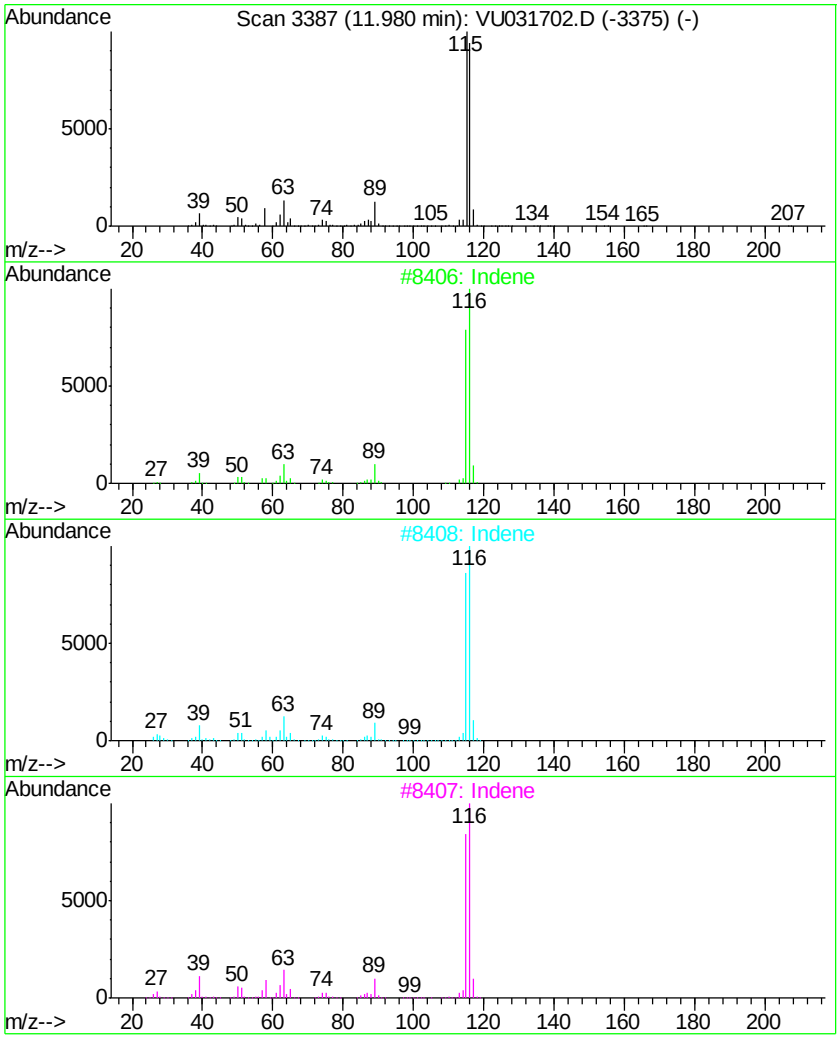
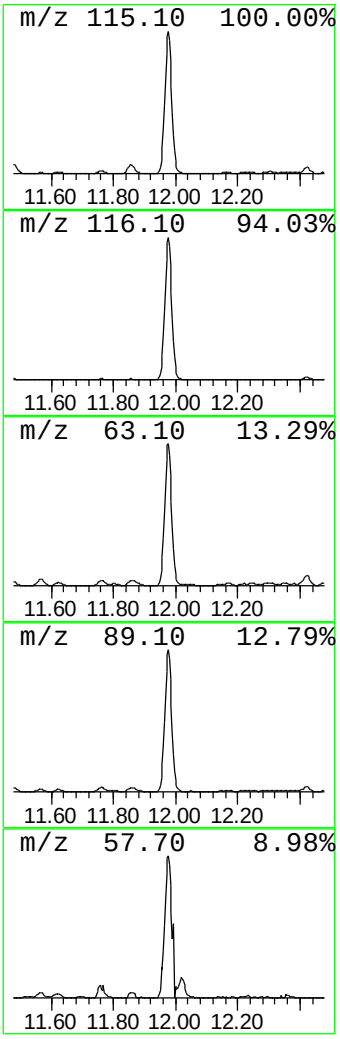
Peak Number 16 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	247.01 ug/L	14082700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

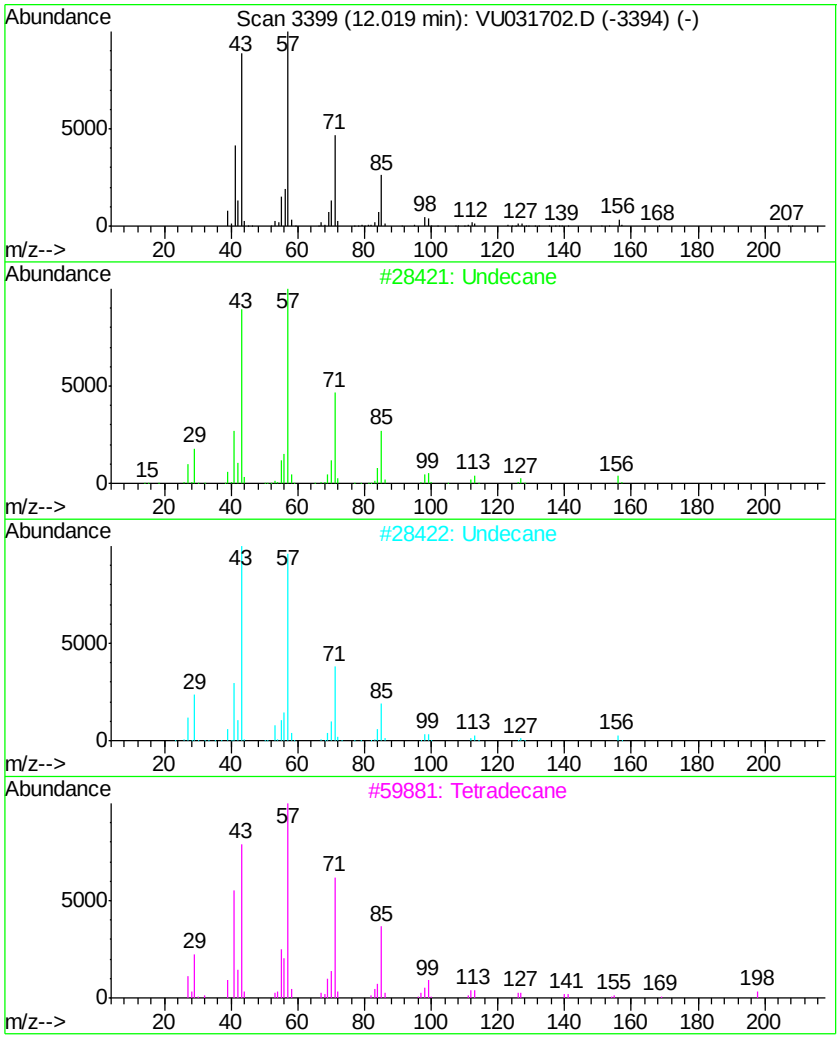
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

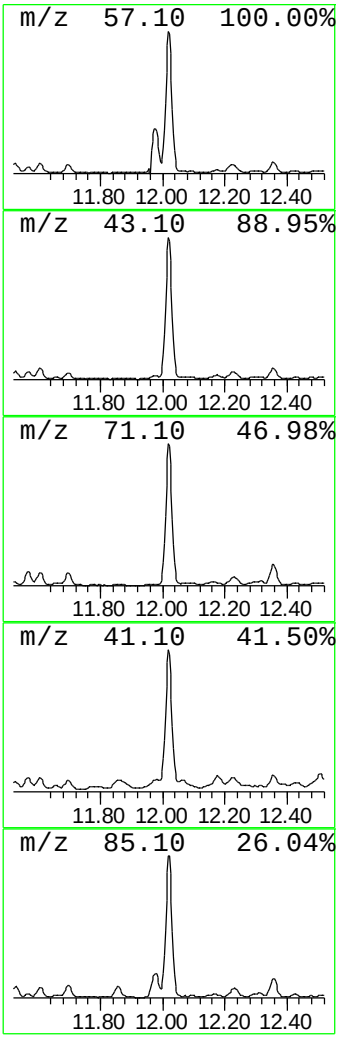
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	80.95 ug/L	4615070	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Undecane	156	C11H24	001120-21-4	87
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

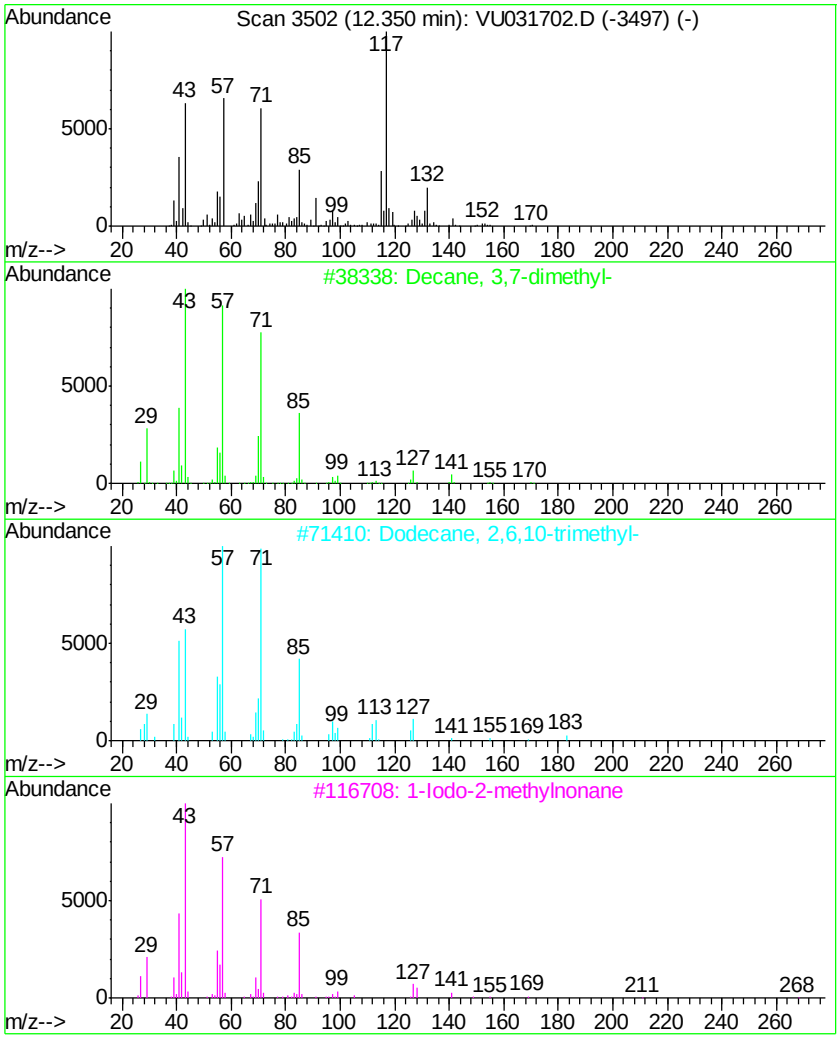
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

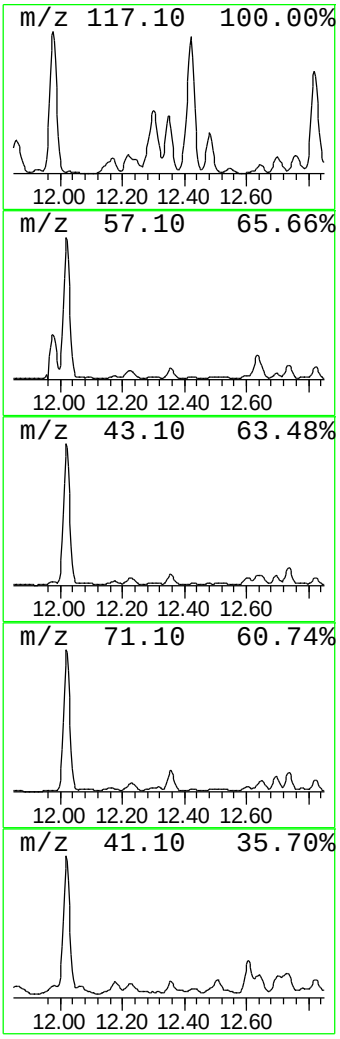
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.98 ug/L	797191	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	50
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	38
4	Undecane, 4-methyl-	170	C12H26	002980-69-0	38
5	Indan, 1-methyl-	132	C10H12	000767-58-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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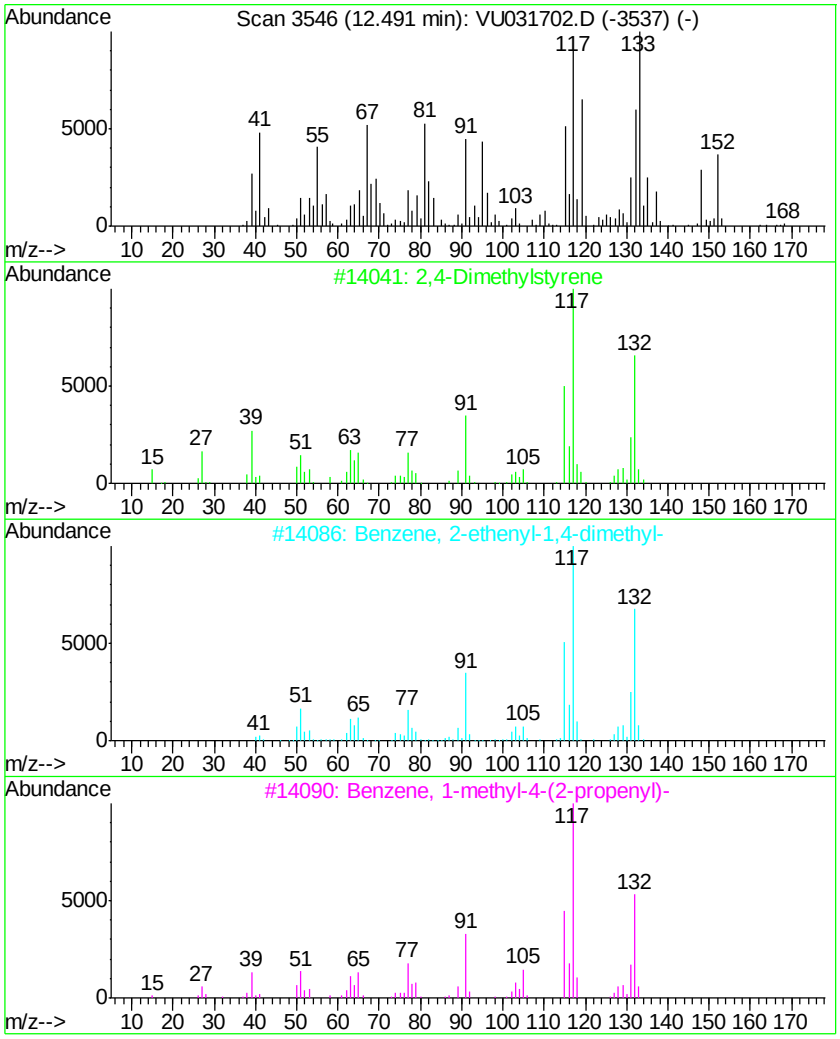
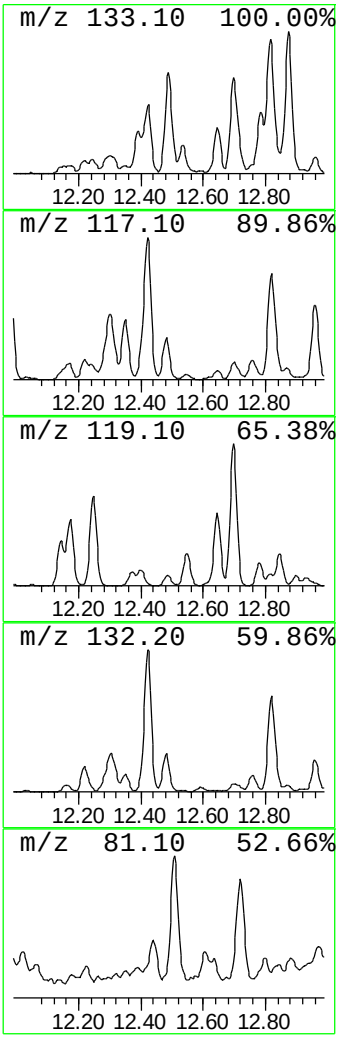
Peak Number 19 2,4-Dimethylstyrene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	11.59 ug/L	660567	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	92
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

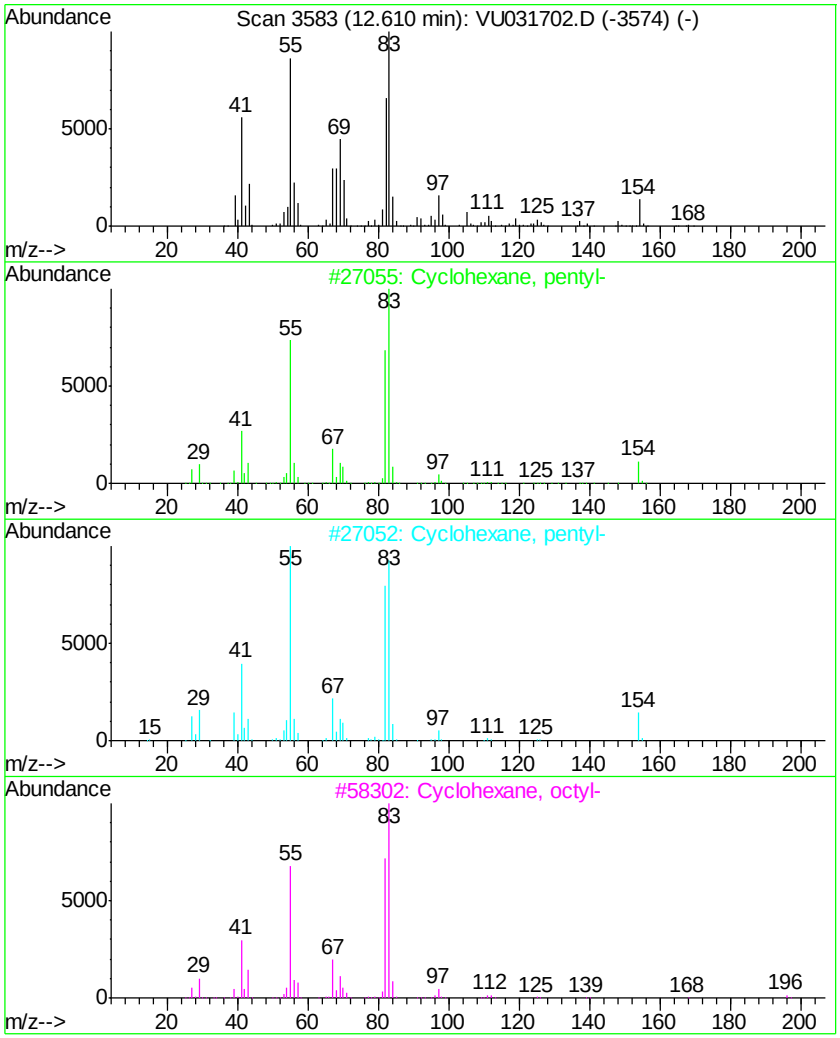
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

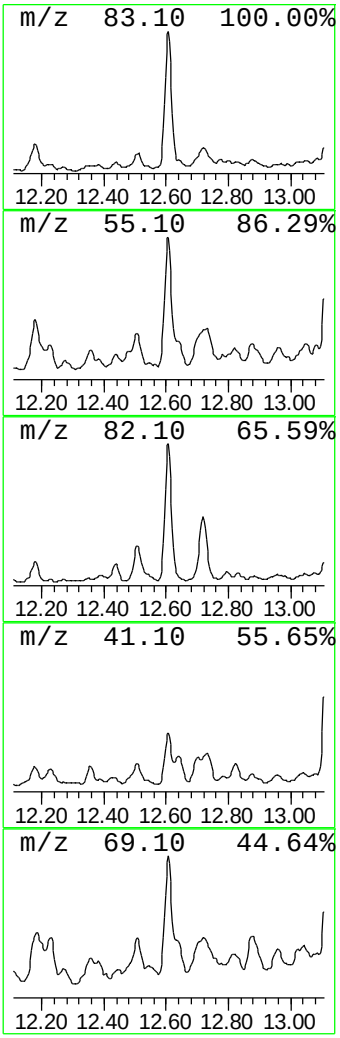
****

Peak Number 20 (DEL) Alkane: Cyclic12.61 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	26.40 ug/L	1505340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

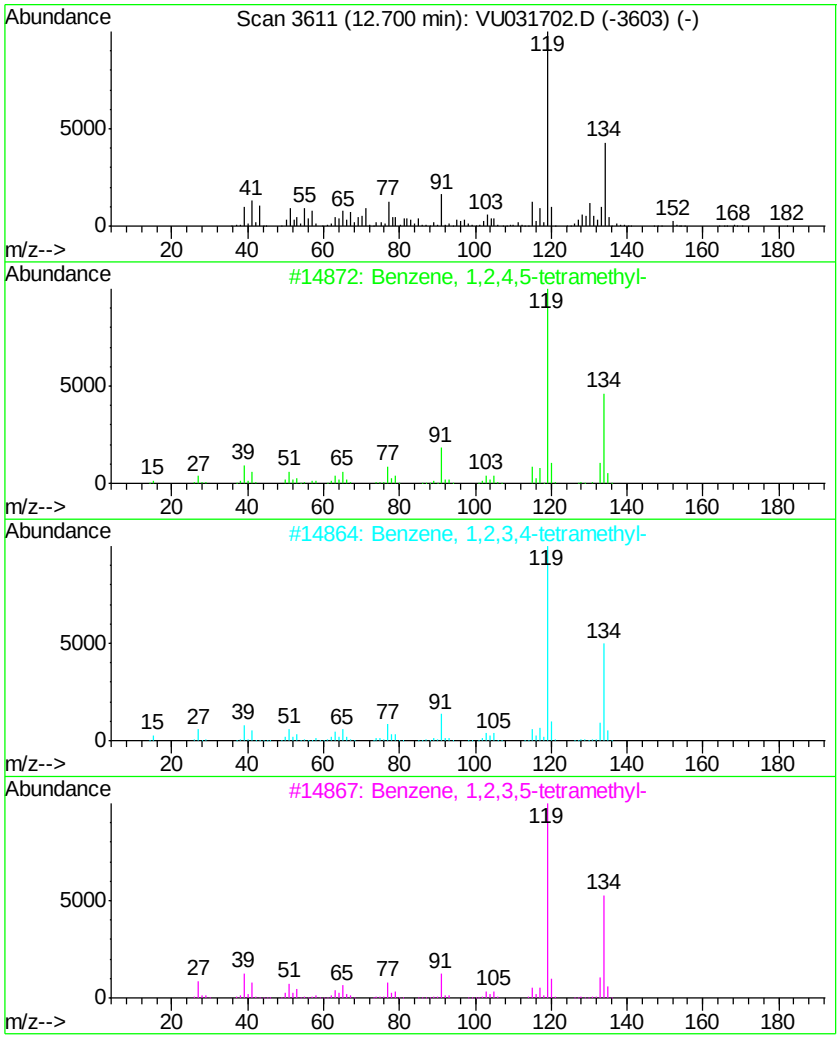
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

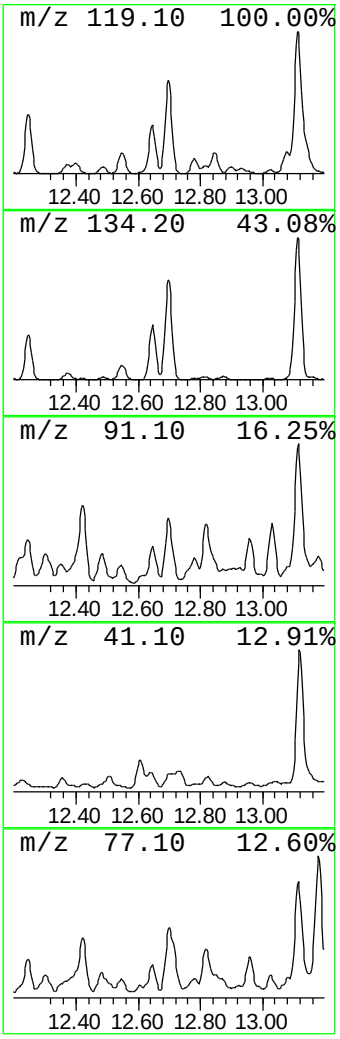
****

Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	65.82 ug/L	3752490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

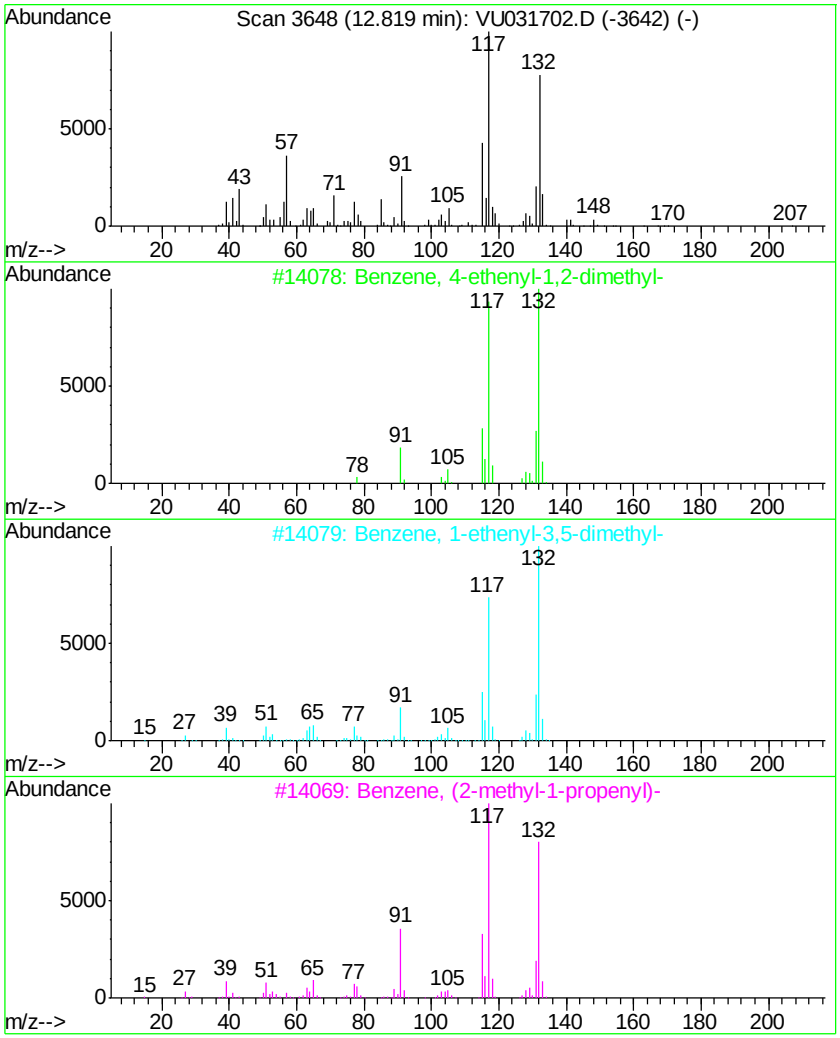
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

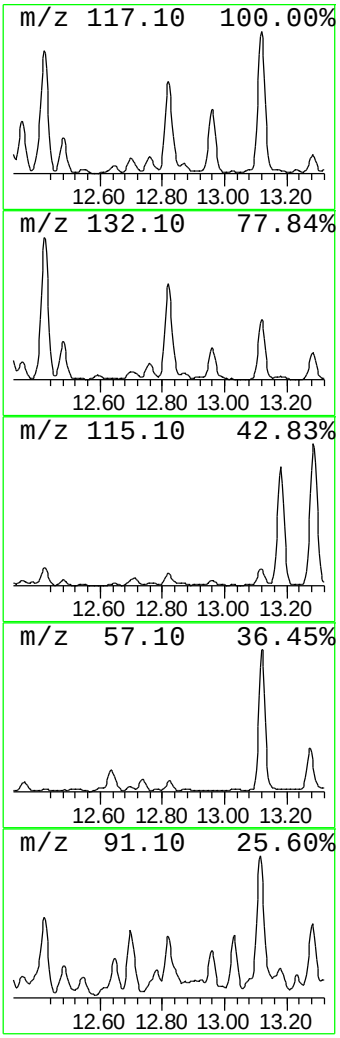
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	24.93 ug/L	1421600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

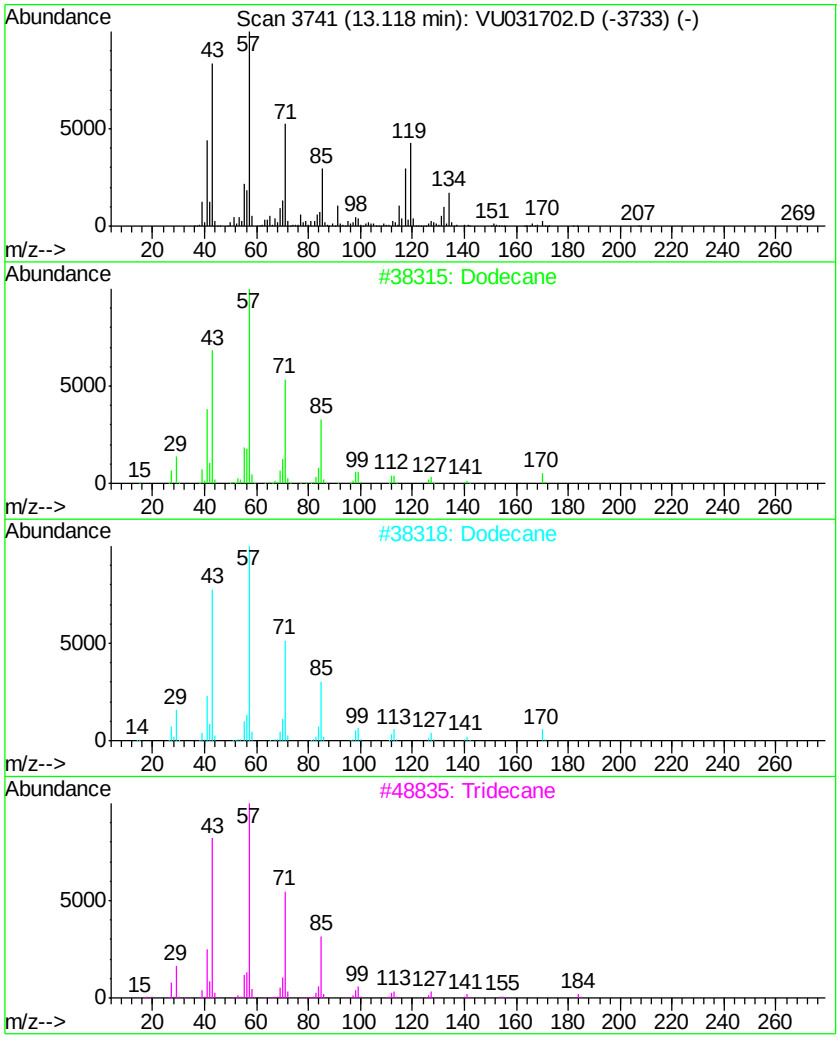
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

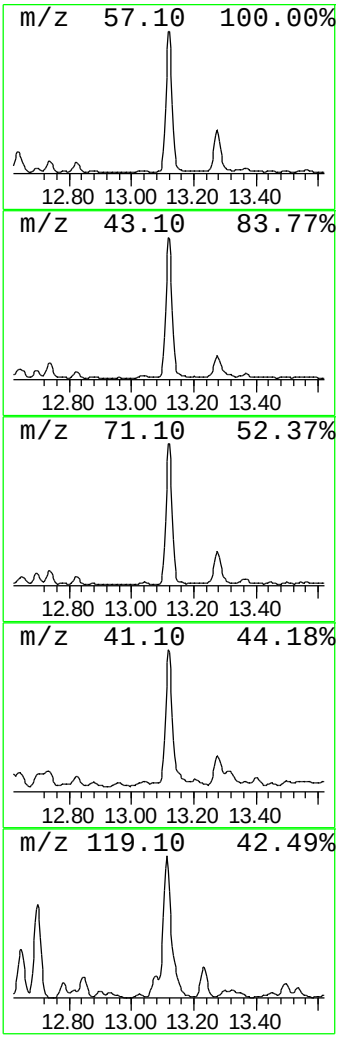
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	161.48 ug/L	9206370	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	86
2	Dodecane	170	C12H26	000112-40-3	46
3	Tridecane	184	C13H28	000629-50-5	38
4	Undecane	156	C11H24	001120-21-4	38
5	Tridecane	184	C13H28	000629-50-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

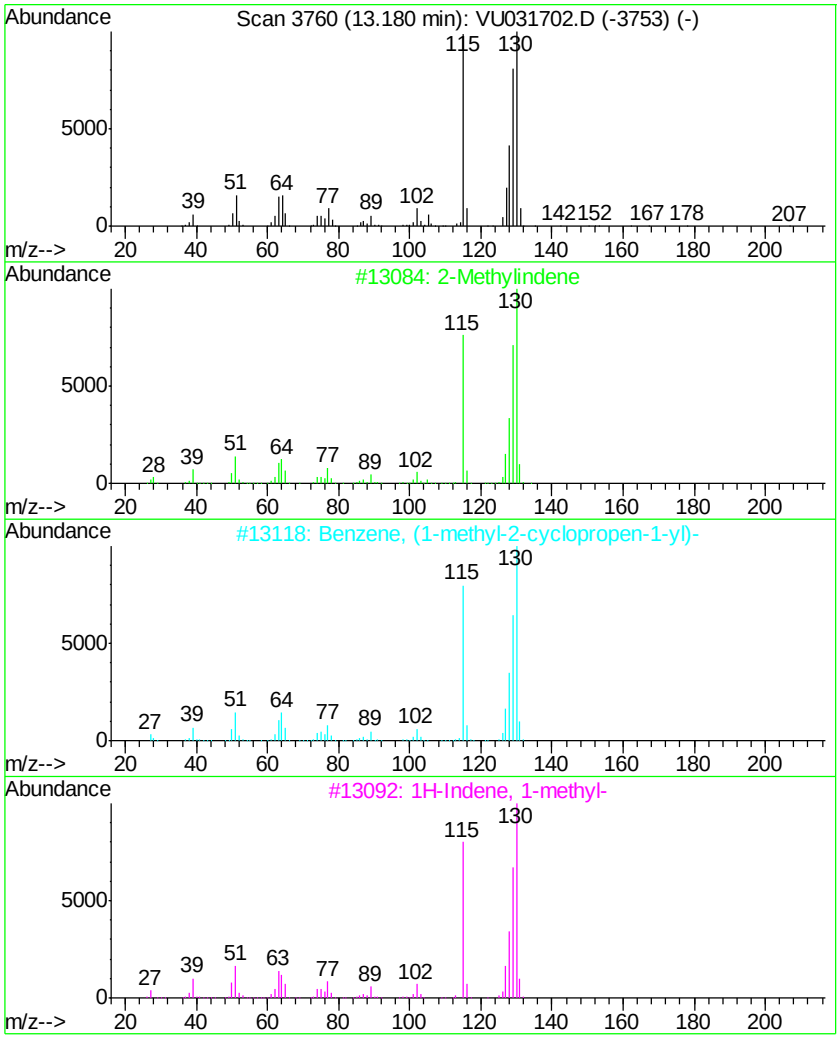
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

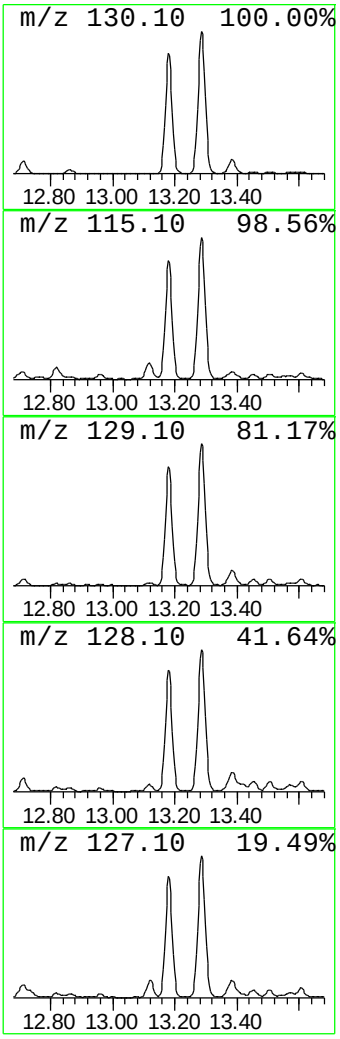
****

Peak Number 24 2-Methylindene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	113.24 ug/L	6456040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

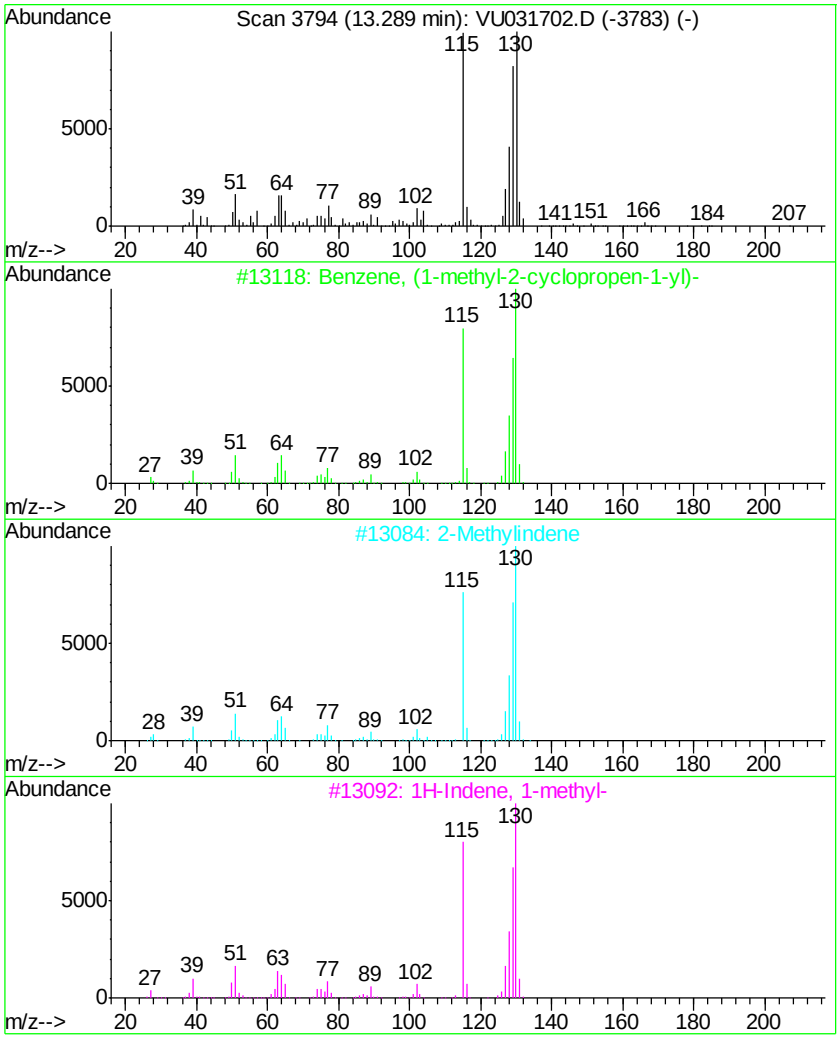
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

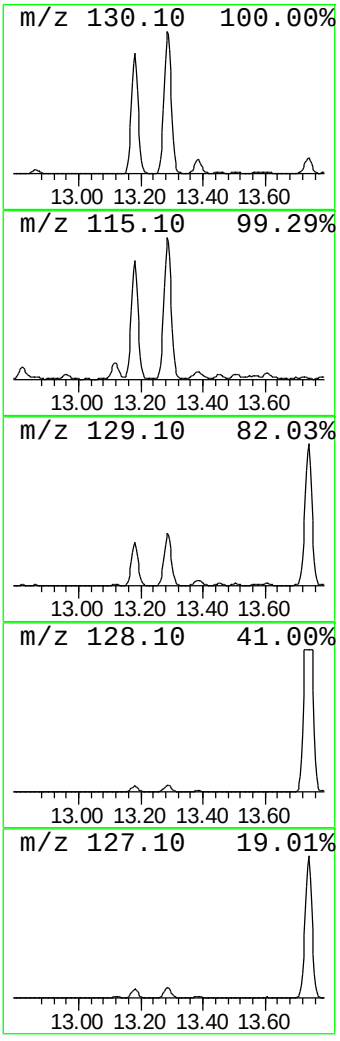
****

Peak Number 25 Benzene, (1-methyl-2-cyclop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	196.71 ug/L	11214700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





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Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

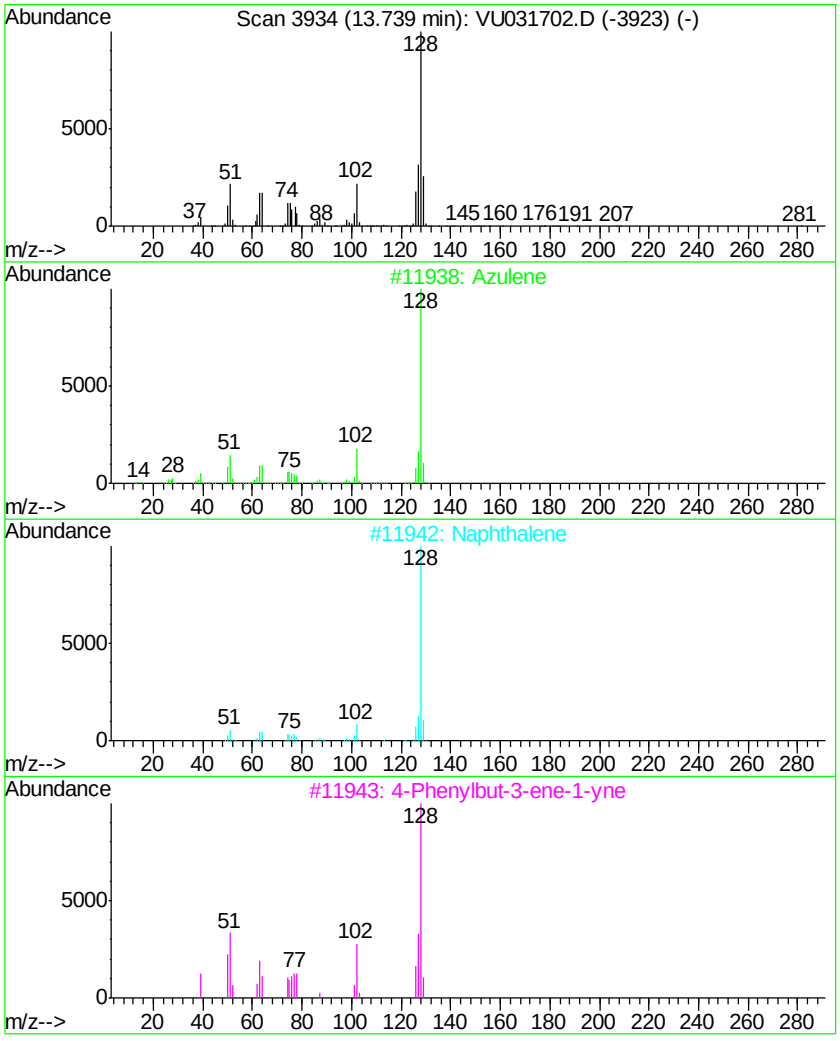
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

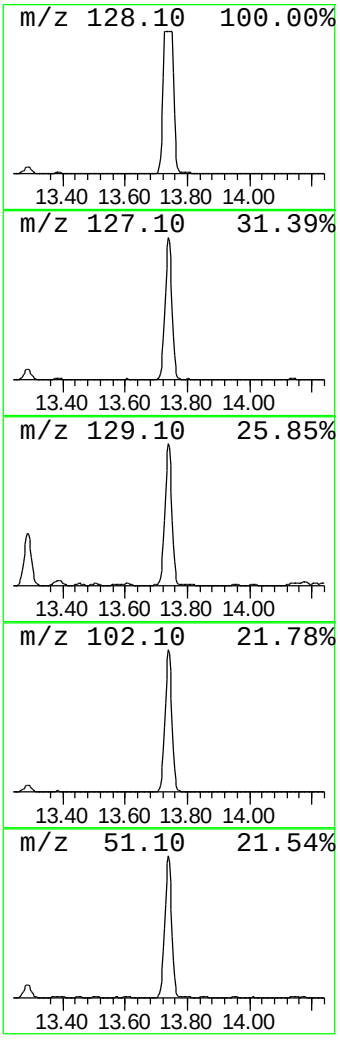
****

Peak Number 26 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	1073.09 ug/L	61179700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	87
2	Naphthalene	128	C10H8	000091-20-3	87
3	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	86
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	83
5	Azulene	128	C10H8	000275-51-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

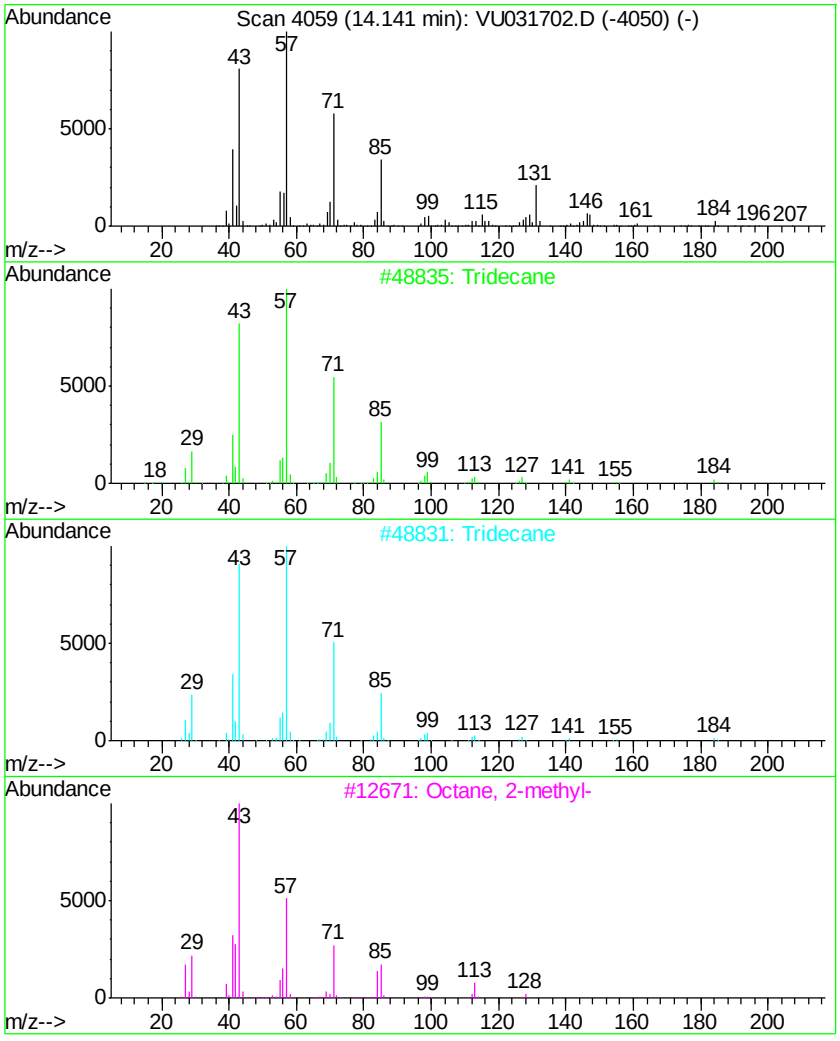
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

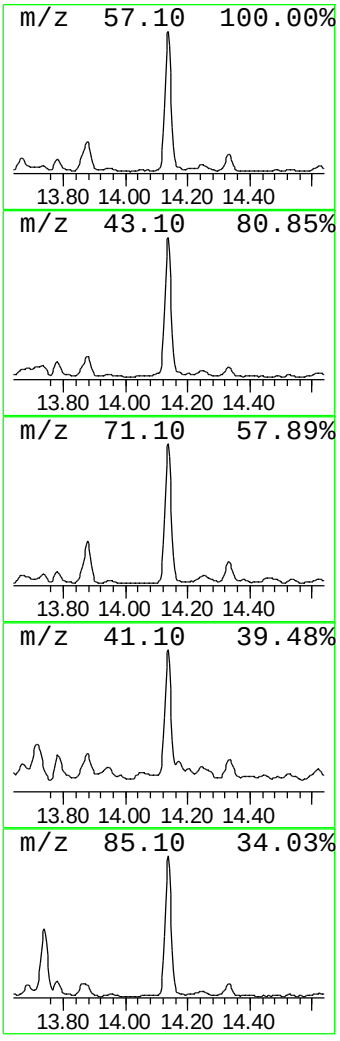
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	80.94 ug/L	4614800	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane	184	C13H28	000629-50-5	94
3	Octane, 2-methyl-	128	C9H20	003221-61-2	58
4	Tetradecane	198	C14H30	000629-59-4	53
5	Heptadecane	240	C17H36	000629-78-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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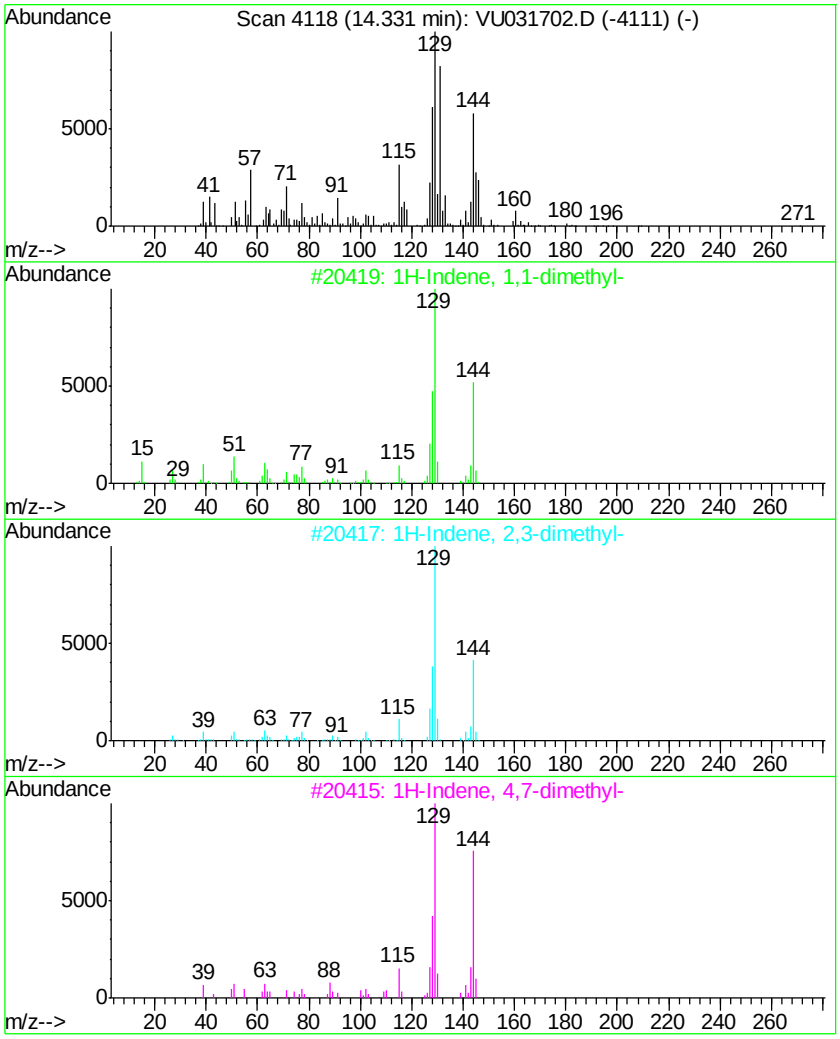
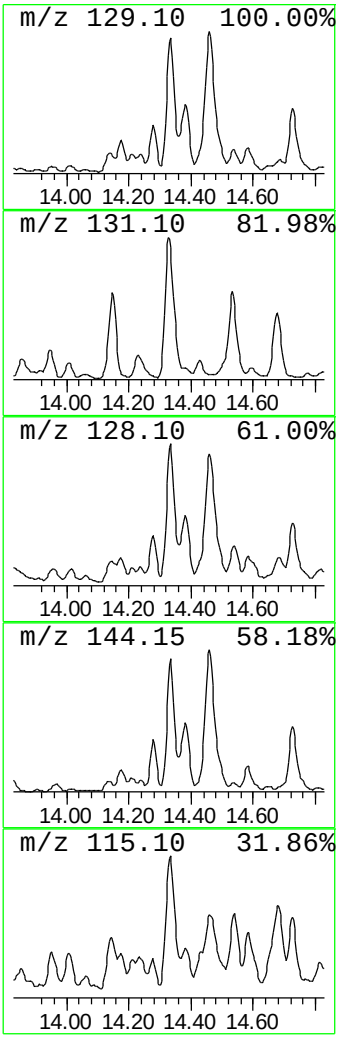
Peak Number 28 1H-Indene, 1,1-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	64.50 ug/L	3677100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	91
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	60
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	60
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	60
5	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

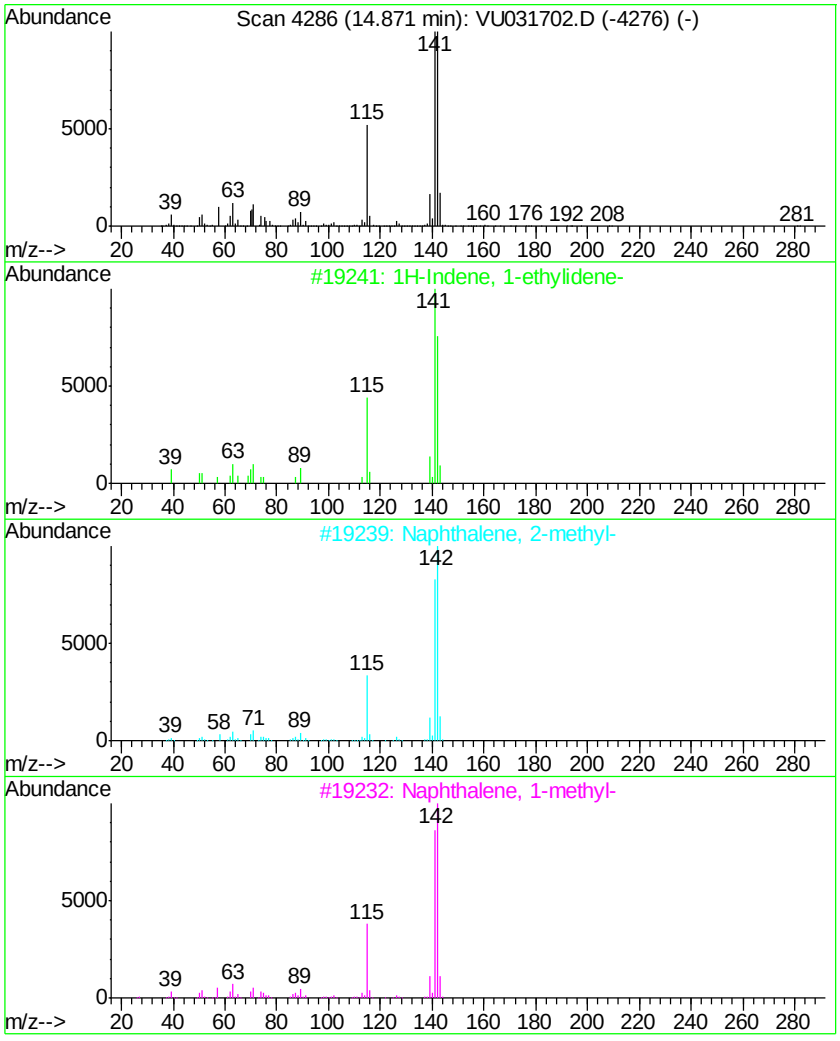
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

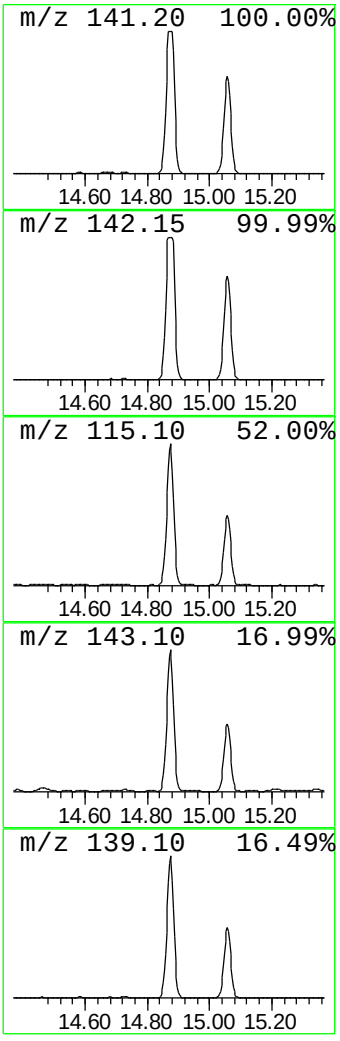
****

Peak Number 29 1H-Indene, 1-ethylidene- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	1209.13 ug/L	68935800	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
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\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

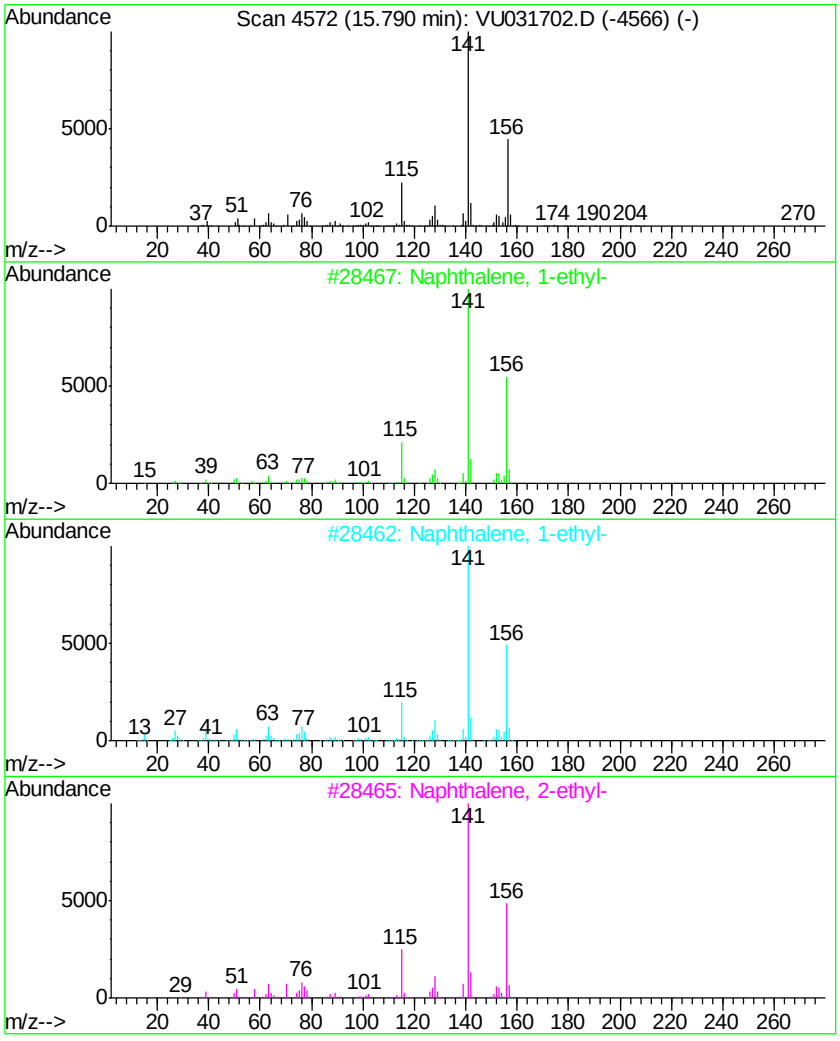
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

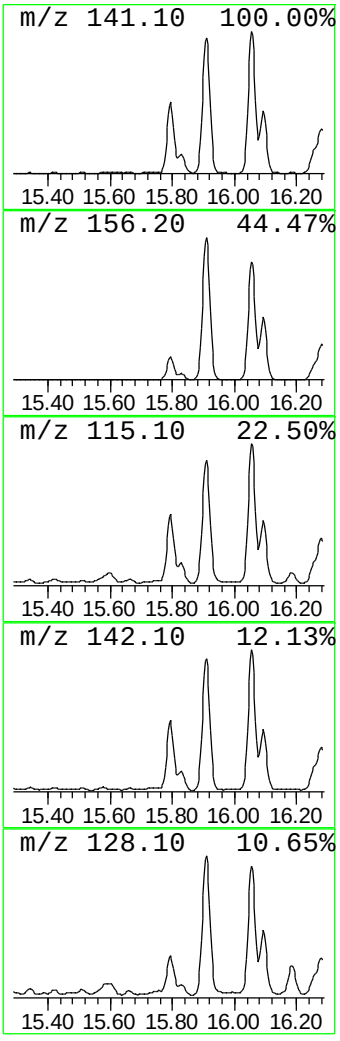
****

Peak Number 31 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	82.01 ug/L	4675620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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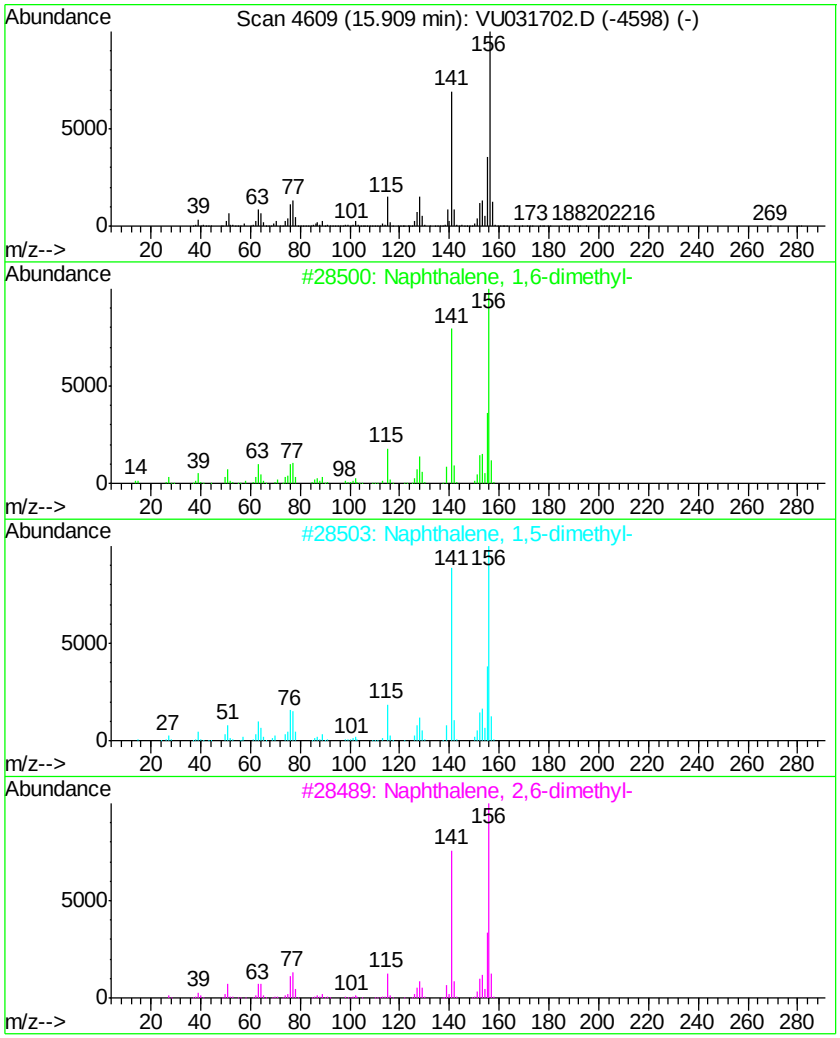
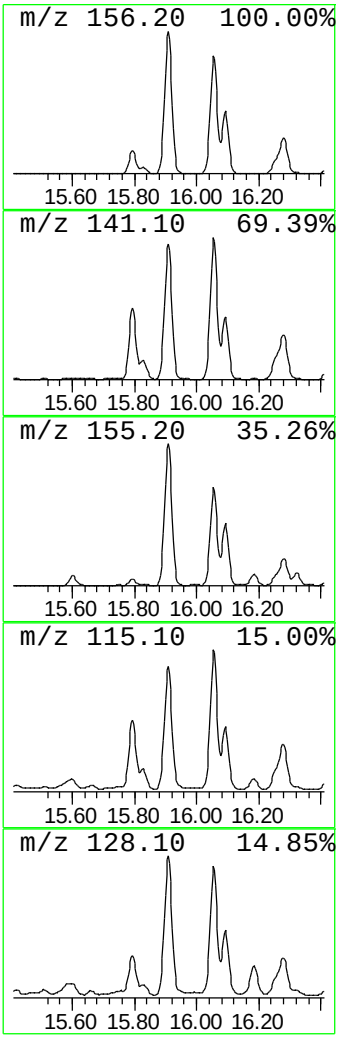
Peak Number 32 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	382.62 ug/L	21814200	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

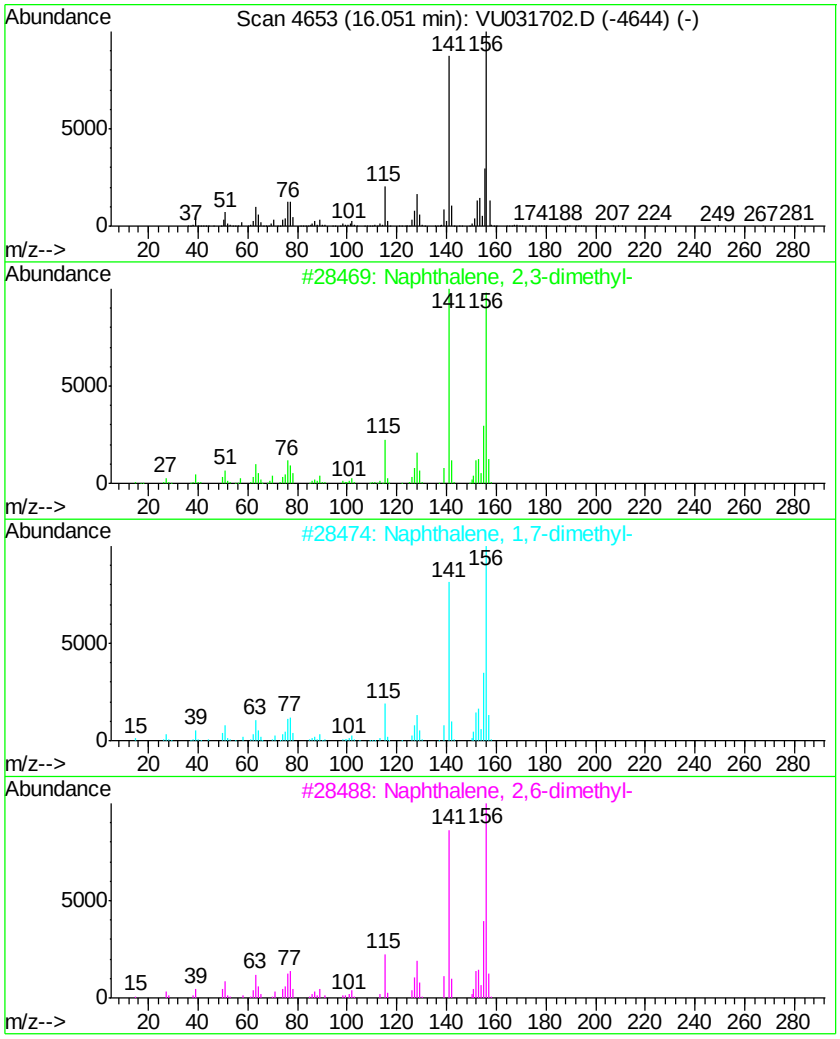
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

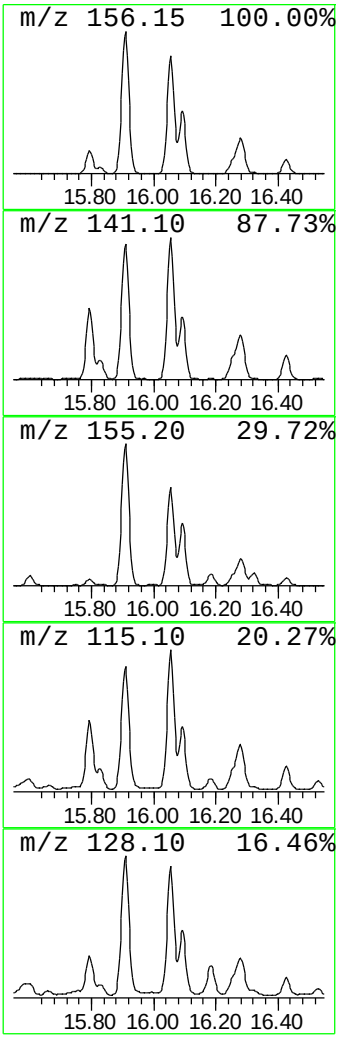
****

Peak Number 33 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	316.52 ug/L	18045700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

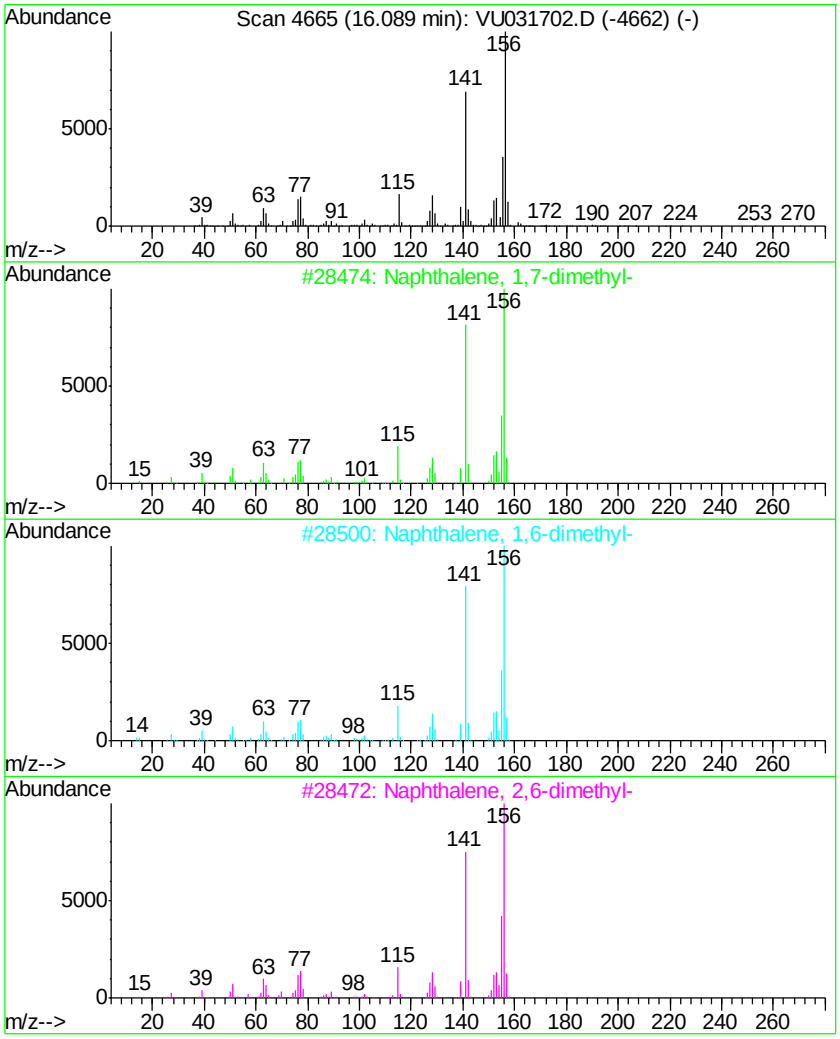
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

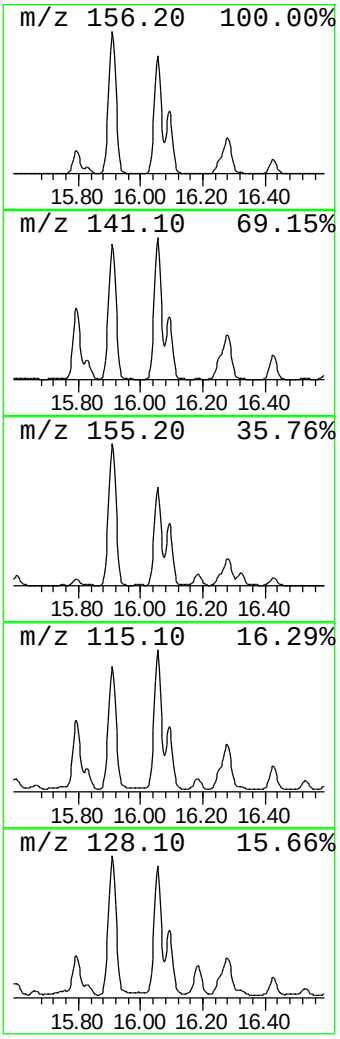
****

Peak Number 34 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	146.39 ug/L	8346160	1,4-Dichlorobenzene-d4	11.48

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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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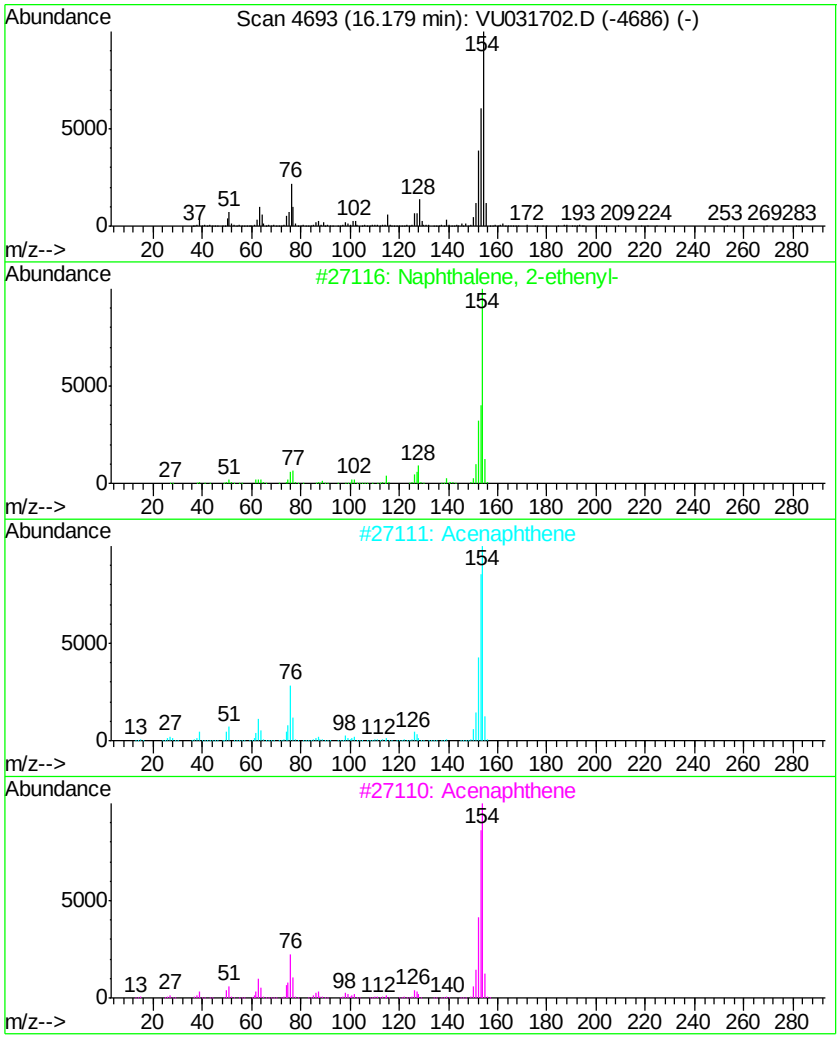
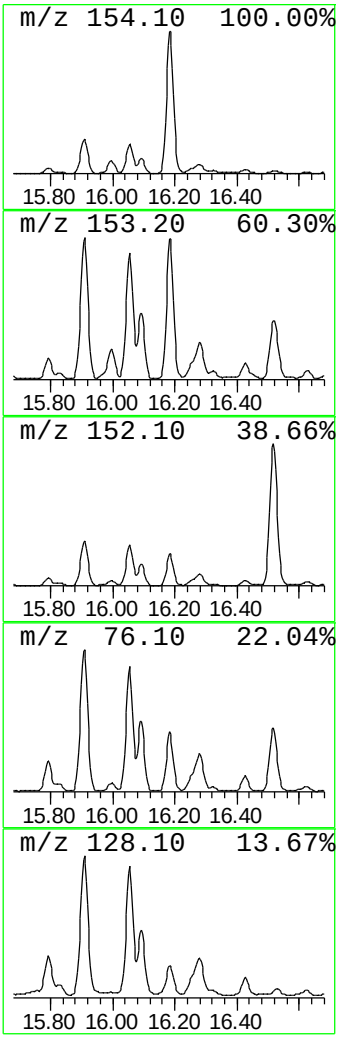
Peak Number 35 Naphthalene, 2-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	73.71 ug/L	4202350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	93
2	Acenaphthene	154	C12H10	000083-32-9	93
3	Acenaphthene	154	C12H10	000083-32-9	93
4	Biphenyl	154	C12H10	000092-52-4	90
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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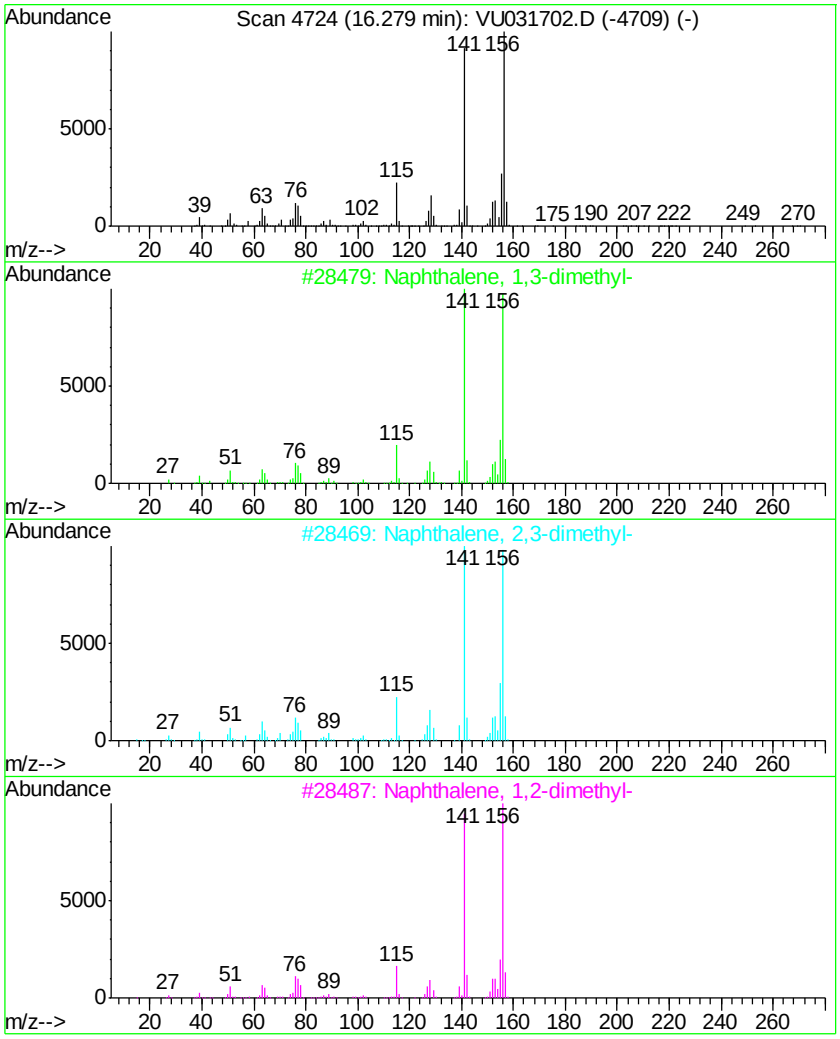
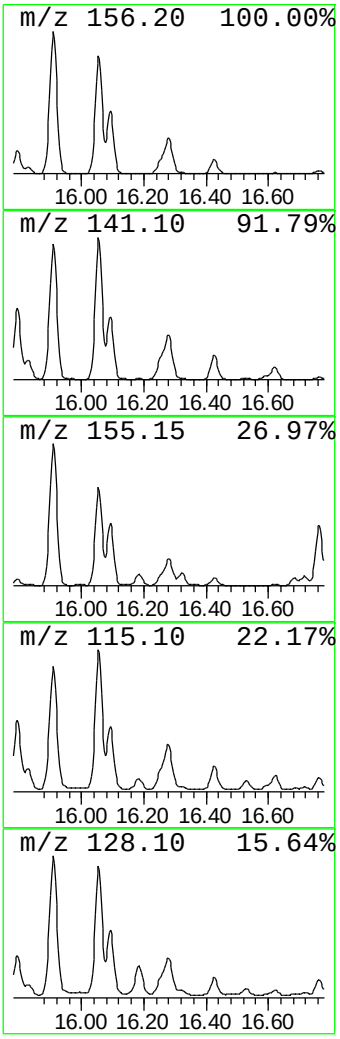
Peak Number 36 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	129.42 ug/L	7378620	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, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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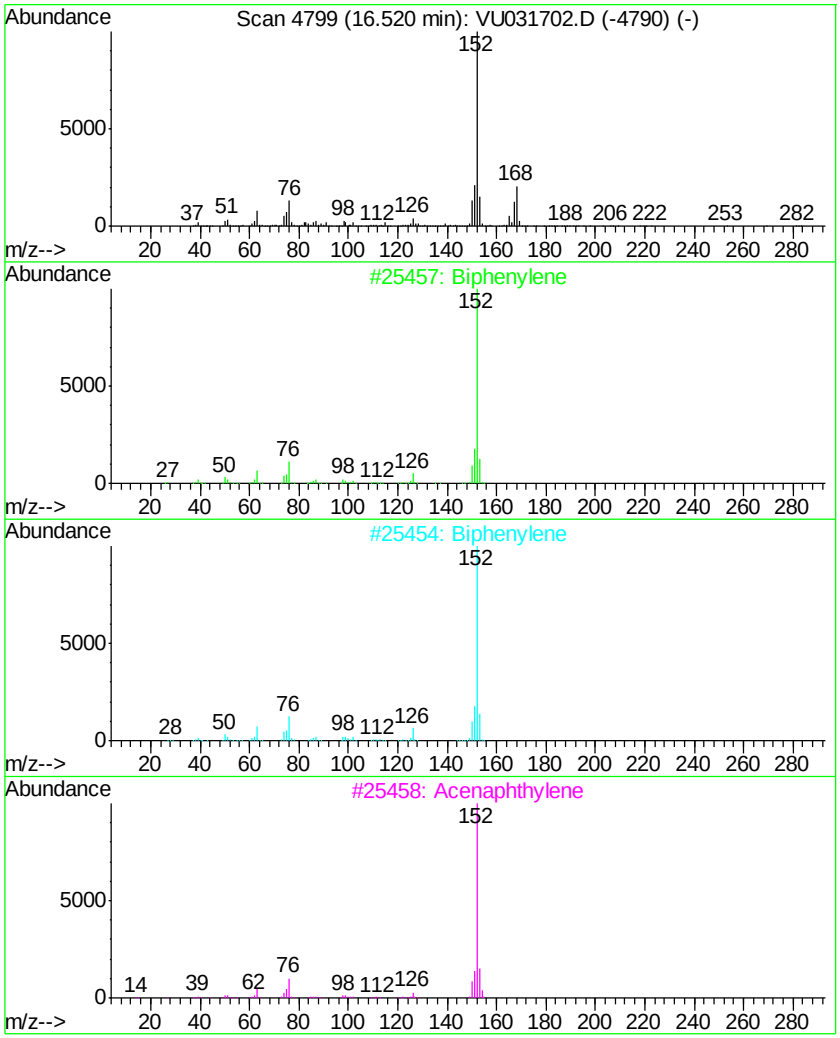
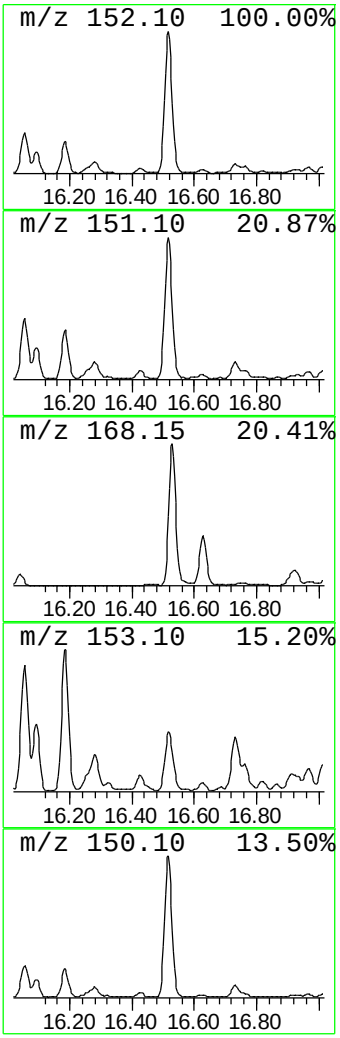
Peak Number 38 Biphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	105.37 ug/L	6007660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	93
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	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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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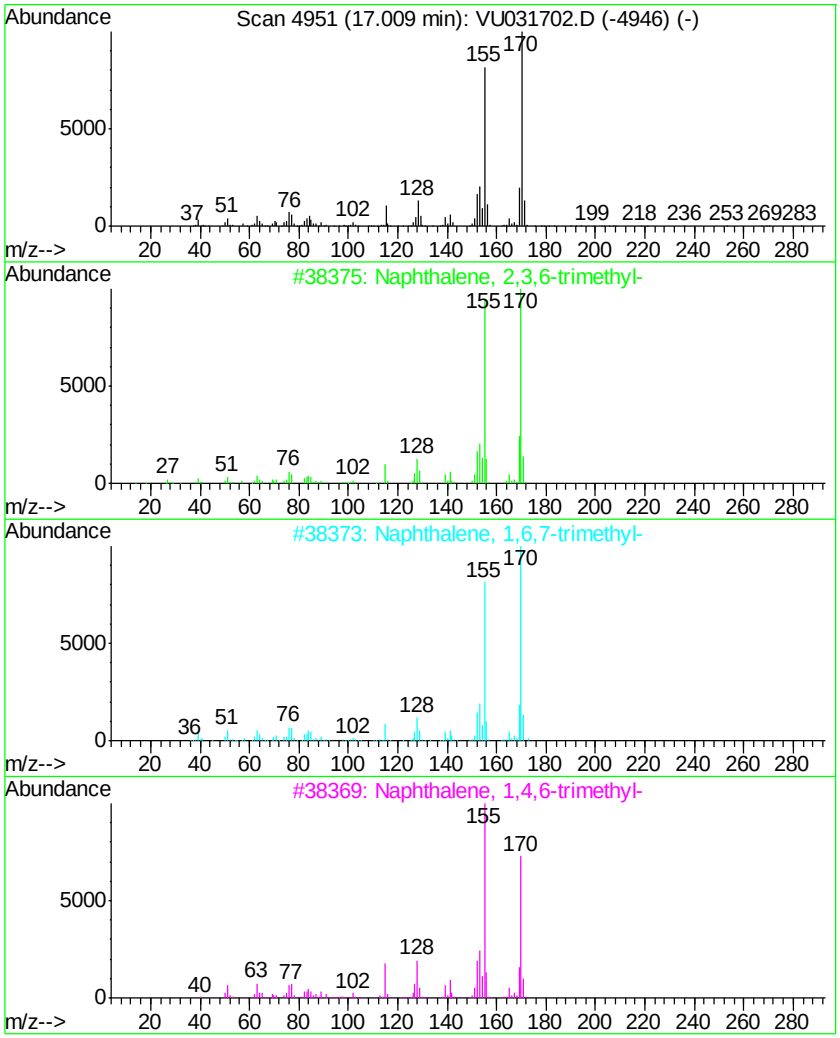
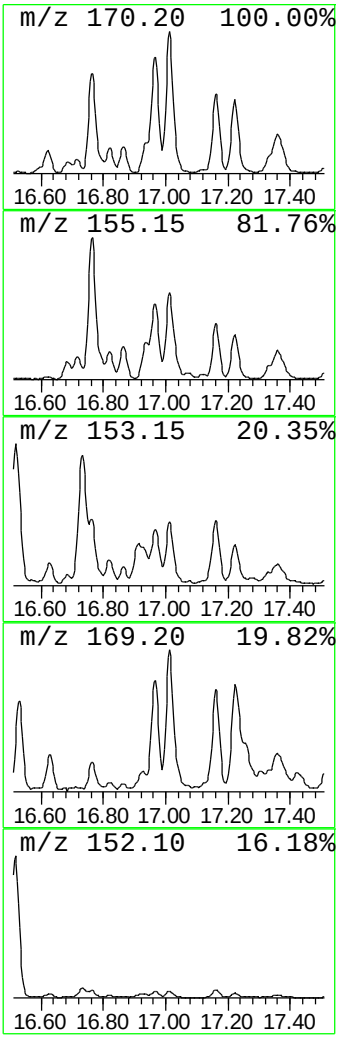
Peak Number 39 Naphthalene, 2,3,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	47.05 ug/L	2682520	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	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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

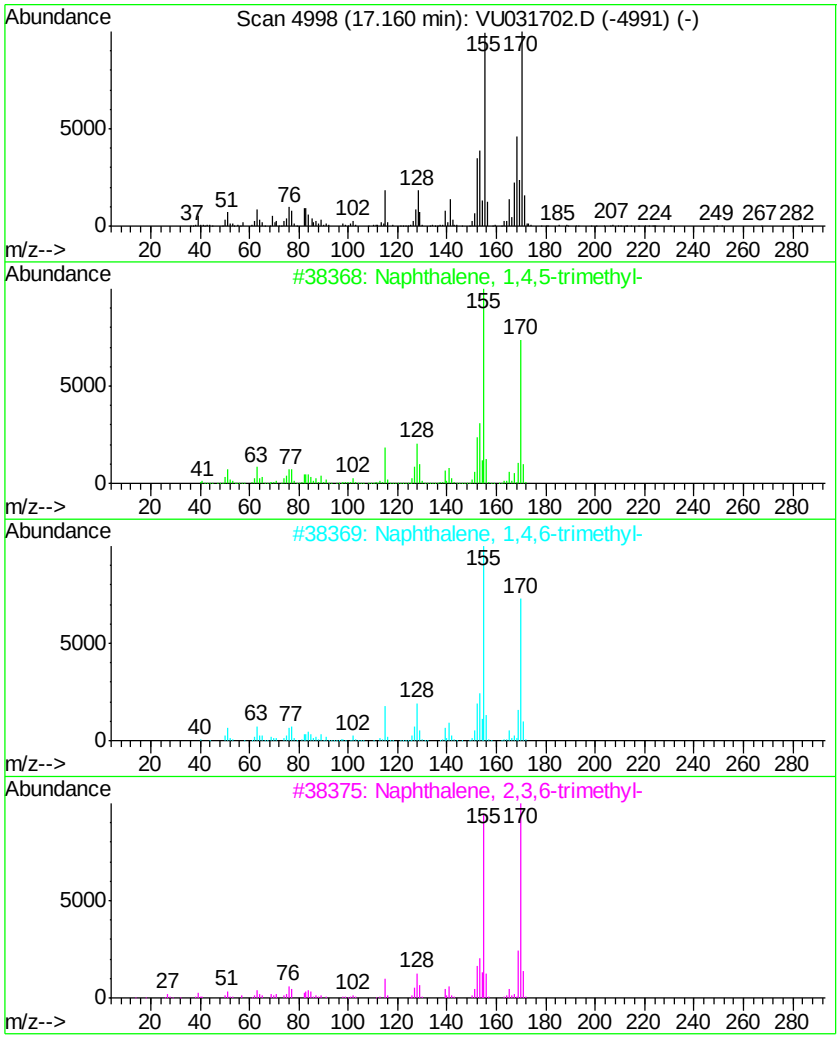
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

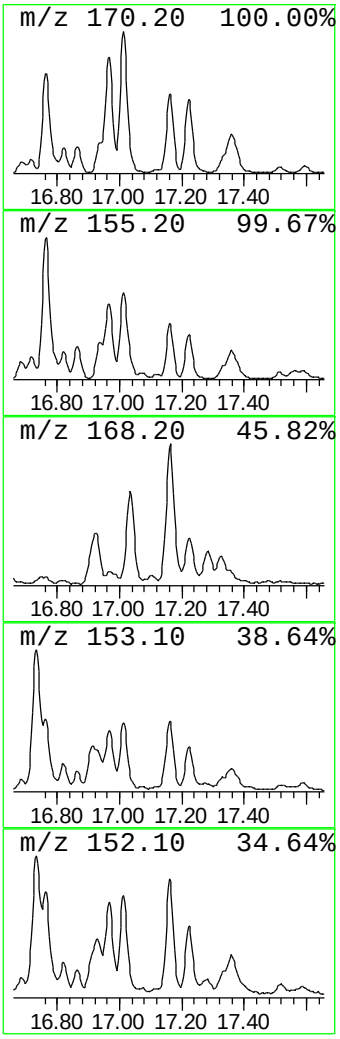
****

Peak Number 40 Naphthalene, 1,4,5-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	31.43 ug/L	1792080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	92
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050219\
Data File : VU031702.D
Acq On : 02 May 2019 11:15
Operator : JC/SP
Sample : K2603-16DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ68DL

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...	9.44	10.3	ug/L	625945	2	9.09	3054340	50.0
(DEL) Alkane: Str...	9.95	5.1	ug/L	312920	2	9.09	3054340	50.0
(DEL) Alkane: Cyc...	10.04	3.9	ug/L	237108	2	9.09	3054340	50.0
Benzene, propyl-	10.58	4.2	ug/L	239773	3	11.48	2850630	50.0
Benzene, 1-ethyl-...	10.70	21.8	ug/L	1240760	3	11.48	2850630	50.0
(DEL) Alkane: Str...	10.81	42.2	ug/L	2404670	3	11.48	2850630	50.0
(DEL) Alkane: Str...	11.11	9.6	ug/L	546190	3	11.48	2850630	50.0
Benzene, 1,2,3-tr...	11.14	78.1	ug/L	4450260	3	11.48	2850630	50.0
Benzene, 1-etheny...	11.21	78.5	ug/L	4475600	3	11.48	2850630	50.0
Benzene, 1-propenyl-	11.26	25.9	ug/L	1479480	3	11.48	2850630	50.0
(DEL) Alkane: Cyc...	11.40	12.9	ug/L	733369	3	11.48	2850630	50.0
Indane	11.76	17.0	ug/L	967421	3	11.48	2850630	50.0
Indene	11.98	247.0	ug/L	14082700	3	11.48	2850630	50.0
(DEL) Alkane: Str...	12.02	81.0	ug/L	4615070	3	11.48	2850630	50.0
(DEL) Alkane: Str...	12.35	14.0	ug/L	797191	3	11.48	2850630	50.0
2,4-Dimethylstyrene	12.49	11.6	ug/L	660567	3	11.48	2850630	50.0
(DEL) Alkane: Cyc...	12.61	26.4	ug/L	1505340	3	11.48	2850630	50.0
Benzene, 1,2,4,5-...	12.70	65.8	ug/L	3752490	3	11.48	2850630	50.0
Benzene, 4-etheny...	12.82	24.9	ug/L	1421600	3	11.48	2850630	50.0
(DEL) Alkane: Str...	13.12	161.5	ug/L	9206370	3	11.48	2850630	50.0
2-Methylindene	13.18	113.2	ug/L	6456040	3	11.48	2850630	50.0
Benzene, (1-methy...	13.29	196.7	ug/L	11214700	3	11.48	2850630	50.0
Azulene	13.74	1073.1	ug/L	61179700	3	11.48	2850630	50.0
(DEL) Alkane: Str...	14.14	80.9	ug/L	4614800	3	11.48	2850630	50.0
1H-Indene, 1,1-di...	14.33	64.5	ug/L	3677100	3	11.48	2850630	50.0
1H-Indene, 1-ethy...	14.87	1209.1	ug/L	68935800	3	11.48	2850630	50.0
Naphthalene, 1-et...	15.79	82.0	ug/L	4675620	3	11.48	2850630	50.0
Naphthalene, 1,6-...	15.91	382.6	ug/L	21814200	3	11.48	2850630	50.0
Naphthalene, 2,3-...	16.05	316.5	ug/L	18045700	3	11.48	2850630	50.0
Naphthalene, 1,7-...	16.09	146.4	ug/L	8346160	3	11.48	2850630	50.0
Naphthalene, 2-et...	16.18	73.7	ug/L	4202350	3	11.48	2850630	50.0
Naphthalene, 1,3-...	16.28	129.4	ug/L	7378620	3	11.48	2850630	50.0
Biphenylene	16.52	105.4	ug/L	6007660	3	11.48	2850630	50.0
Naphthalene, 2,3,...	17.01	47.0	ug/L	2682520	3	11.48	2850630	50.0
Naphthalene, 1,4,...	17.16	31.4	ug/L	1792080	3	11.48	2850630	50.0