LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	23	27	36	rBV3	12692	13201	0.05%	0.010%
2	1.293	59	63	67	rBV	8581	6711	0.02%	0.005%
3	1.396	87	95	110	rBV	188065	268465	0.99%	0.207%
4	1.646	166	173	177	rBV	108817	139455	0.51%	0.108%
5	1.675	178	182	197	rVB	140553	213654	0.79%	0.165%
6	2.244	349	359	375	rVB	443500	702224	2.58%	0.543%
7	2.460	423	426	435	rVB5	3535	4259	0.02%	0.003%
8	2.502	437	439	443	rVB3	958	640	0.00%	0.000%
9	2.527	443	447	452	rBV5	531	534	0.00%	0.000%
10	2.633	469	480	486	rBV3	6571	13171	0.05%	0.010%
11	2.791	527	529	533	rBV3	878	577	0.00%	0.000%
12	2.965	579	583	588	rVV4	510	620	0.00%	0.000%
13	3.026	598	602	605	rBV2	1032	658	0.00%	0.001%
14	3.190	645	653	656	rBV5	1312	1460	0.01%	0.001%
15	3.283	679	682	688	rVB4	1025	1054	0.00%	0.001%
16	3.370	707	709	714	rVB3	804	581	0.00%	0.000%
17	3.543	756	763	766	rBV4	608	506	0.00%	0.000%
18	3.582	772	775	779	rVB3	757	502	0.00%	0.000%
19	3.614	779	785	789	rBV4	745	822	0.00%	0.001%
20	3.852	855	859	863	rBV3	530	527	0.00%	0.000%
21	3.897	868	873	875	rBV	1075	822	0.00%	0.001%
22	4.206	949	969	1014	rBV2	96865	475232	1.75%	0.367%
23	4.643	1087	1105	1128	rBV	297766	776767	2.86%	0.600%
24	4.801	1150	1154	1159	rVB7	2020	1797	0.01%	0.001%
25	4.852	1165	1170	1173	rBV5	1349	1494	0.01%	0.001%
26	4.871	1173	1176	1178	rVV2	1077	623	0.00%	0.000%
27	4.974	1206	1208	1212	rVB2	1466	1017	0.00%	0.001%
28	5.003	1212	1217	1222	rVB6	1347	1343	0.00%	0.001%
29	5.128	1253	1256	1260	rBV3	769	751	0.00%	0.001%
30	5.241	1286	1291	1295	rBV2	500	560	0.00%	0.000%
31	5.331	1295	1319	1341	rBV2	637240	1832040	6.74%	1.415%
32	5.501	1367	1372	1374	rBV4	1123	852	0.00%	0.001%
33	5.627	1403	1411	1415	rBV6	2374	3541	0.01%	0.003%
34	5.710	1433	1437	1440	rBV4	1415	991	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
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Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	5.730	1440	1443	1448	rVB5	977	864	0.00%	0.001%
36	5.775	1452	1457	1459	rBV3	765	579	0.00%	0.000%
37	5.881	1475	1490	1531	rVV	601899	1394388	5.13%	1.077%
38	6.112	1559	1562	1564	rVB3	1372	745	0.00%	0.001%
39	6.145	1568	1572	1574	rBV2	1147	908	0.00%	0.001%
40	6.170	1574	1580	1581	rBV5	3181	2517	0.01%	0.002%
41	6.235	1595	1600	1601	rBV4	1134	880	0.00%	0.001%
42	6.328	1615	1629	1664	rVB	362752	820465	3.02%	0.634%
43	6.508	1682	1685	1687	rBV3	794	531	0.00%	0.000%
44	6.611	1714	1717	1723	rVB4	980	960	0.00%	0.001%
45	6.698	1741	1744	1748	rBV3	570	524	0.00%	0.000%
46	6.720	1749	1751	1757	rVB5	690	506	0.00%	0.000%
47	6.749	1758	1760	1764	rVB	1026	607	0.00%	0.000%
48	6.772	1764	1767	1769	rBV	1443	960	0.00%	0.001%
49	6.810	1775	1779	1783	rVB2	1084	891	0.00%	0.001%
50	6.942	1818	1820	1824	rVB3	1647	1182	0.00%	0.001%
51	6.968	1824	1828	1831	rBV3	1615	1532	0.01%	0.001%
52	7.022	1842	1845	1848	rBV3	1412	990	0.00%	0.001%
53	7.042	1848	1851	1852	rVV2	980	550	0.00%	0.000%
54	7.054	1852	1855	1861	rVB5	1461	1314	0.00%	0.001%
55	7.083	1861	1864	1869	rBV3	761	676	0.00%	0.001%
56	7.112	1869	1873	1875	rBV3	1050	701	0.00%	0.001%
57	7.170	1886	1891	1895	rBV6	1765	1907	0.01%	0.001%
58	7.228	1897	1909	1937	rVV	200191	426892	1.57%	0.330%
59	7.402	1959	1963	1964	rVV4	970	681	0.00%	0.001%
60	7.562	1991	2013	2041	rBV	764028	1539328	5.66%	1.189%
61	7.852	2092	2103	2136	rBV	127473	300345	1.10%	0.232%
62	8.025	2153	2157	2158	rBV4	2906	1887	0.01%	0.001%
63	8.096	2173	2179	2180	rBV6	1475	1266	0.00%	0.001%
64	8.222	2215	2218	2222	rVB5	1933	1333	0.00%	0.001%
65	8.280	2230	2236	2237	rBV4	1320	1086	0.00%	0.001%
66	8.337	2240	2254	2286	rVV	433682	1158315	4.26%	0.895%
67	8.537	2311	2316	2327	rVB7	11826	20083	0.07%	0.016%
68	8.604	2327	2337	2346	rBV3	16689	31541	0.12%	0.024%
69	8.749	2373	2382	2394	rBV3	12215	25654	0.09%	0.020%
70	8.813	2395	2402	2403	rBV7	6114	5786	0.02%	0.004%
71	9.093	2477	2489	2513	rBV	861931	1687495	6.21%	1.304%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	9.251	2527	2538	2559	rBV	345438	650580	2.39%	0.503%
73	9.566	2628	2636	2653	rVB	19025	40881	0.15%	0.032%
74	9.781	2695	2703	2723	rVB	100314	201025	0.74%	0.155%
75	9.948	2749	2755	2764	rVB2	131224	186918	0.69%	0.144%
76	10.041	2778	2784	2792	rBV5	72571	114817	0.42%	0.089%
77	10.167	2817	2823	2831	rVB	75201	110736	0.41%	0.086%
78	10.437	2897	2907	2917	rBV	594418	1114363	4.10%	0.861%
79	10.588	2949	2954	2961	rVB	99724	119654	0.44%	0.092%
80	10.971	3065	3073	3092	rVB	740366	1321687	4.86%	1.021%
81	11.112	3110	3117	3121	rBV	332422	444268	1.63%	0.343%
82	11.482	3224	3232	3242	rBV2	1195273	1886701	6.94%	1.458%
83	11.569	3252	3259	3267	rBV	1191848	1659306	6.10%	1.282%
84	11.765	3311	3320	3340	rBV2	2699232	4942102	18.17%	3.818%
85	11.861	3341	3350	3367	rVB4	1660224	3419822	12.58%	2.642%
86	12.353	3497	3503	3510	rBV2	1181711	1830993	6.73%	1.415%
87	12.611	3577	3583	3588	rBV2	950582	1338141	4.92%	1.034%
88	12.787	3632	3638	3647	rVB3	1109988	1492946	5.49%	1.153%
89	12.964	3687	3693	3700	rVB2	1536763	1938064	7.13%	1.497%
90	13.122	3735	3742	3756	rVB2	5891306	8767728	32.24%	6.774%
91	13.286	3787	3793	3801	rBV5	2623201	4319323	15.88%	3.337%
92	13.453	3839	3845	3853	rVB	2612758	3772203	13.87%	2.914%
93	13.508	3855	3862	3869	rBV3	2946241	4325260	15.91%	3.342%
94	14.334	4111	4119	4130	rBV4	5957872	10768764	39.60%	8.320%
95	15.061	4336	4345	4357	rVB	17395493	27193750	100.00%	21.010%
96	15.913	4599	4610	4630	rVB	11475259	20691128	76.09%	15.986%
97	16.057	4646	4655	4664	rBV	7929240	11797464	43.38%	9.115%
98	16.427	4765	4770	4781	rVB	1022547	1477709	5.43%	1.142%
99	16.765	4870	4875	4887	rVB	863865	1285939	4.73%	0.994%
100	17.224	5012	5018	5027	rBV2	207031	313710	1.15%	0.242%

Sum of corrected areas: 129430302

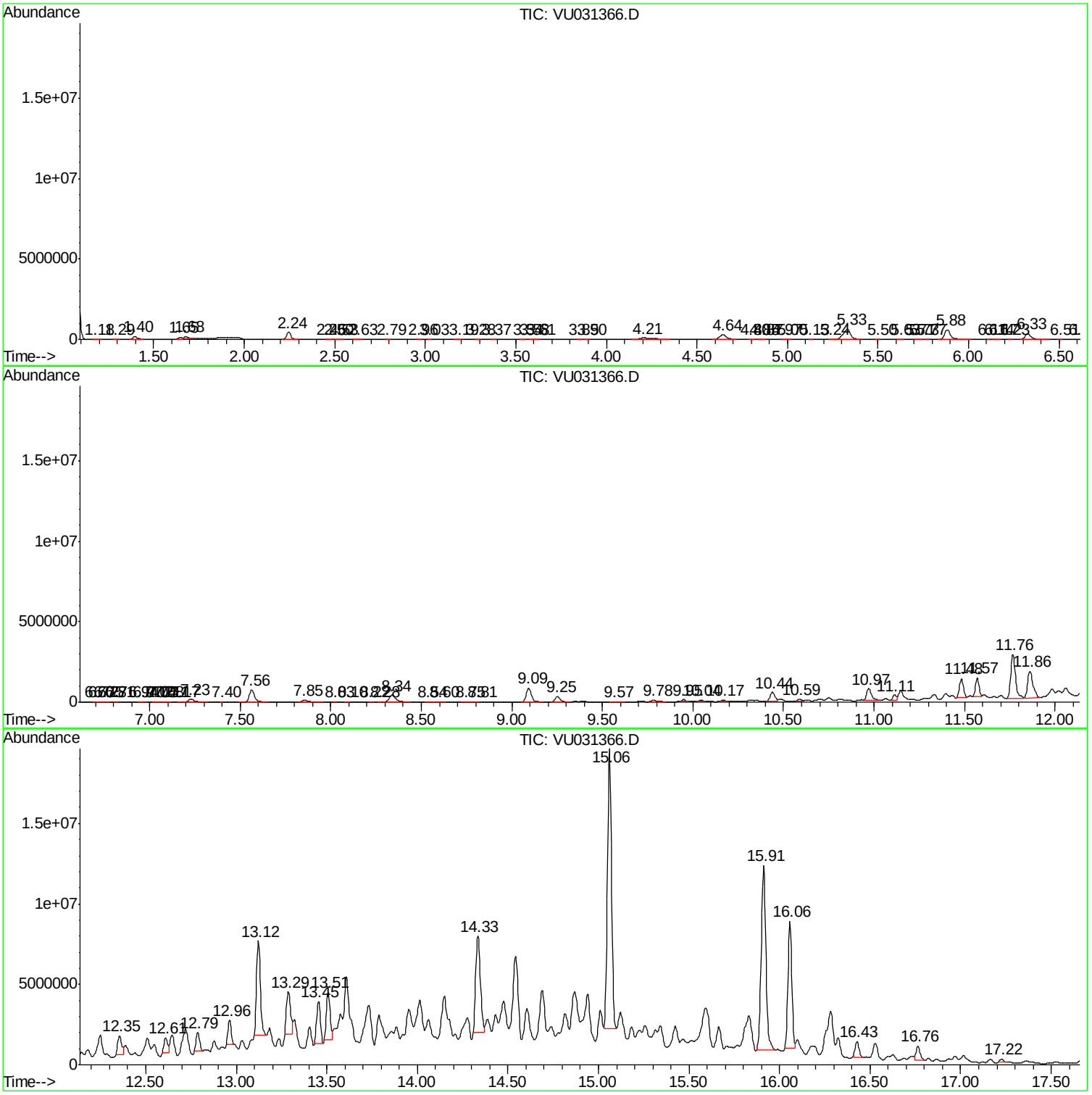
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHR5ME

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

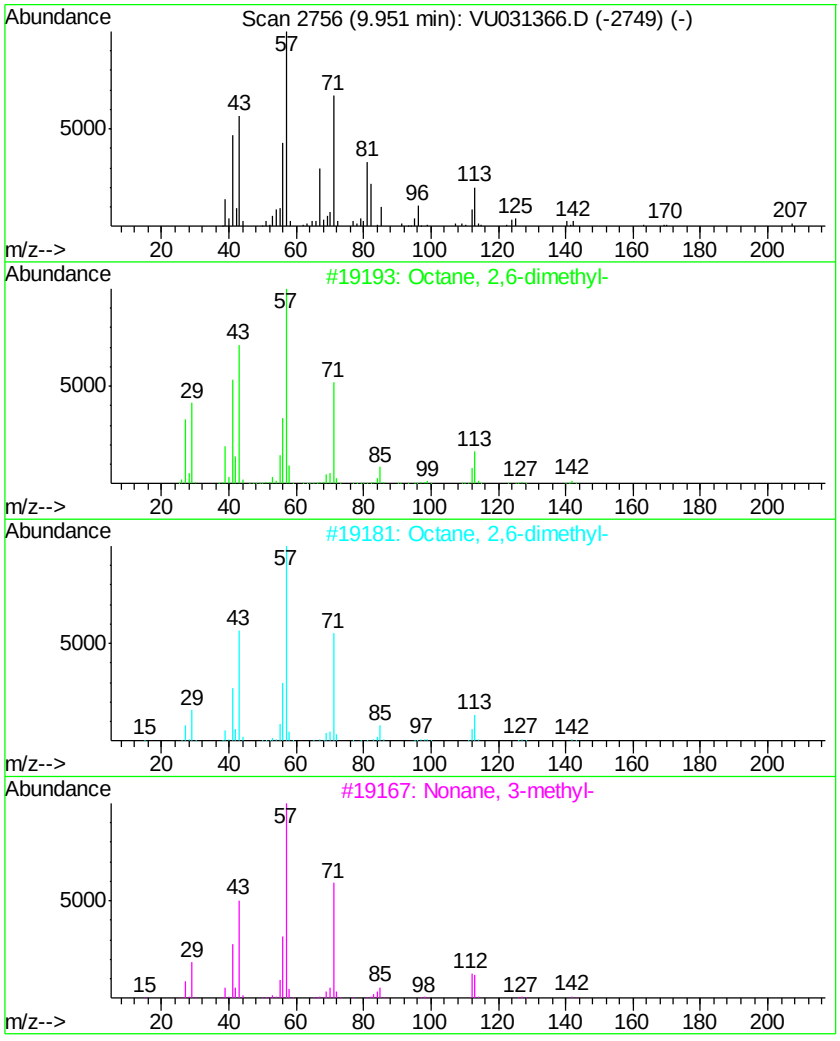
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

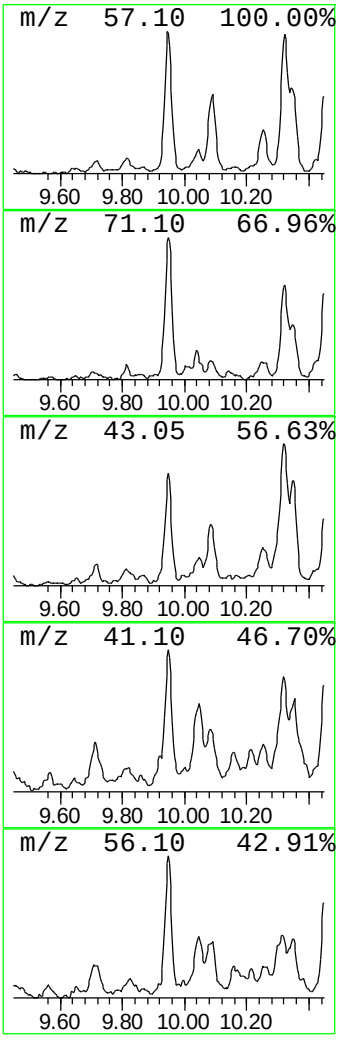
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	5.54 ug/L	186918	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	68
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

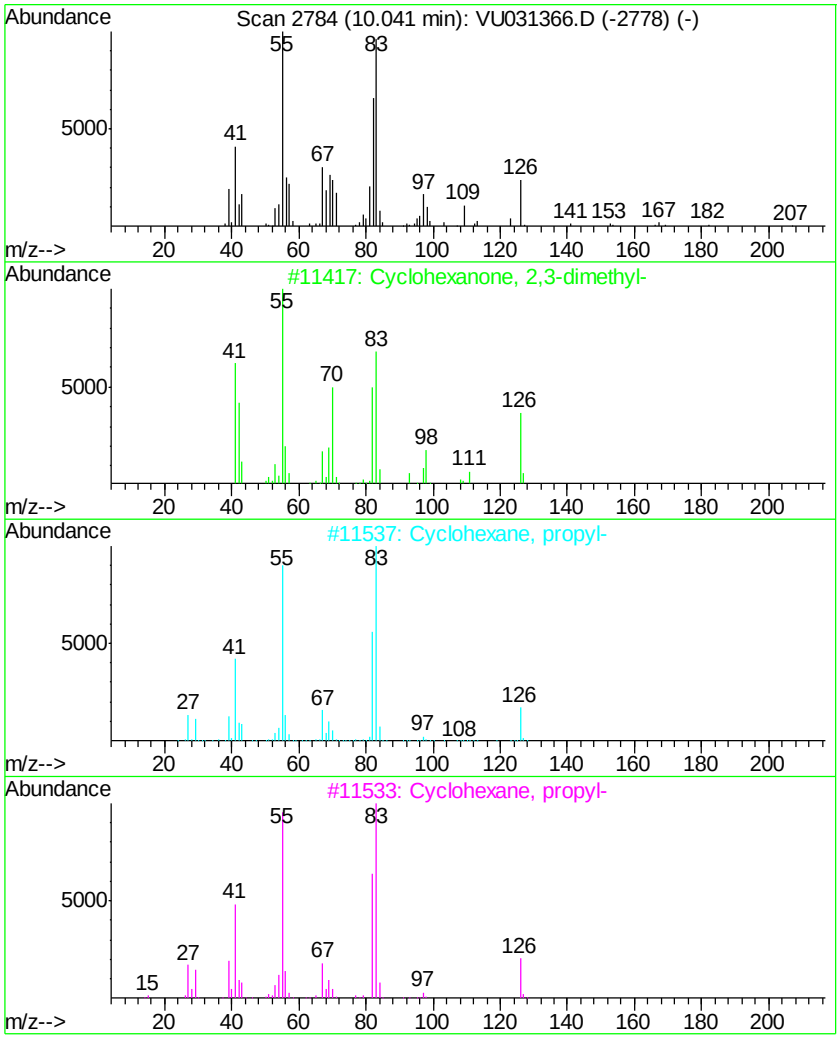
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

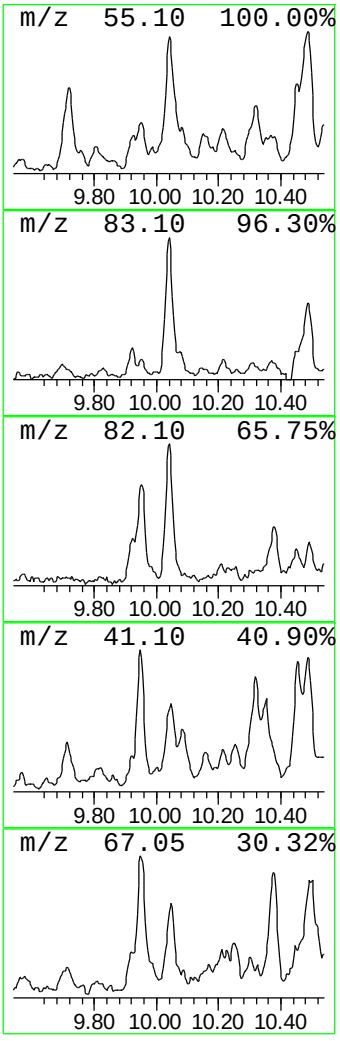
****

Peak Number 3 Cyclohexanone, 2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	3.40 ug/L	114817	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	72
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Heptylcyclohexane	182	C13H26	005617-41-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

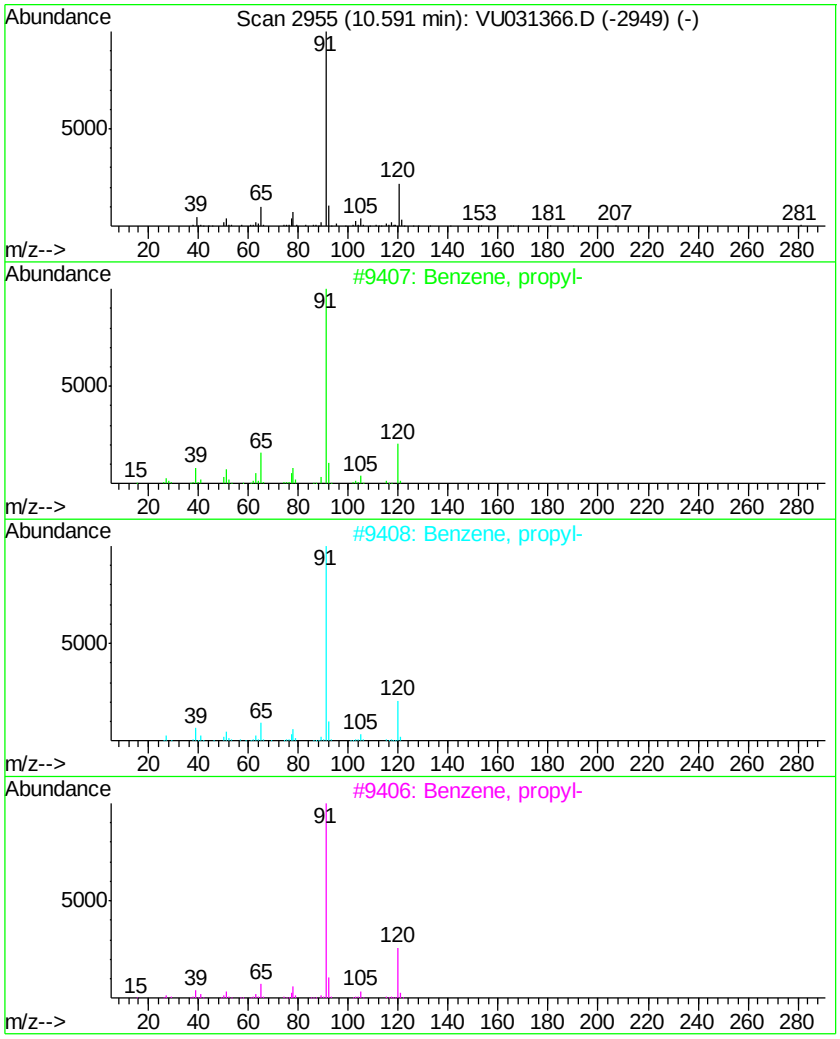
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

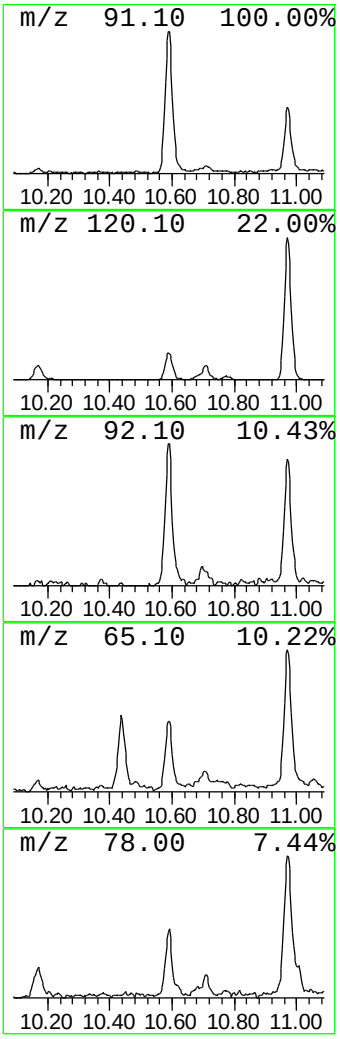
****

Peak Number 4 Benzene, propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.17 ug/L	119654	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	n-Butylbenzylamine	163	C11H17N	002403-22-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

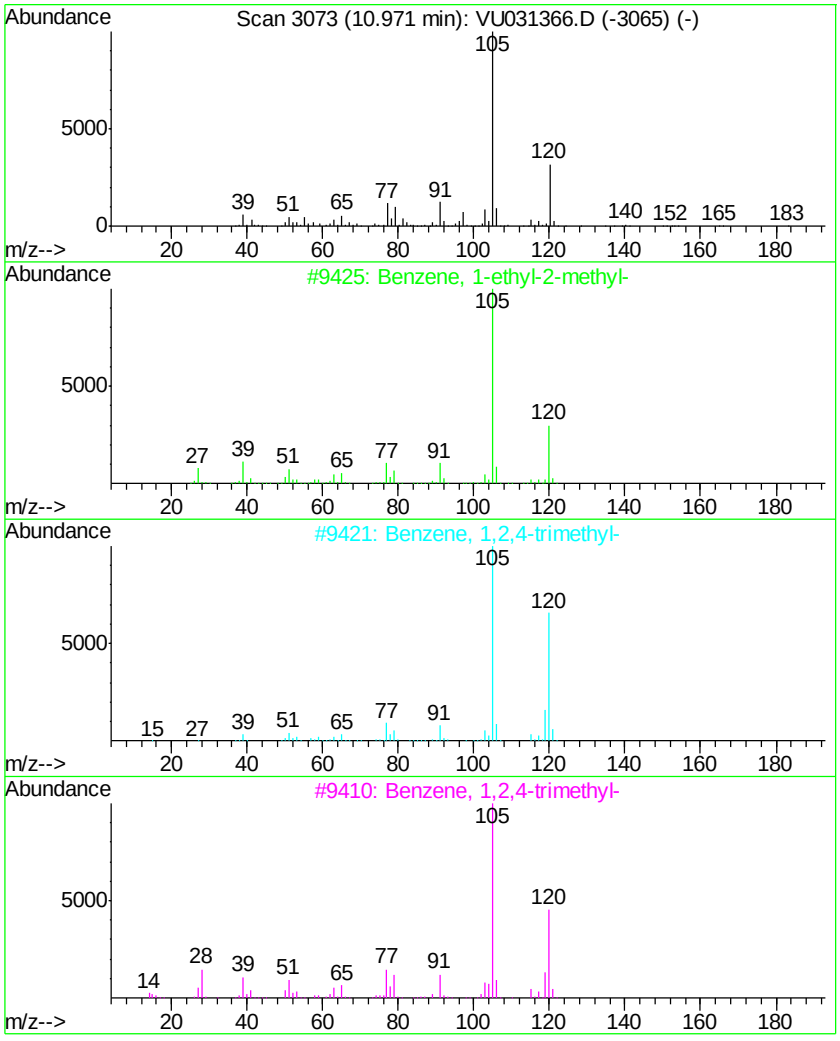
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

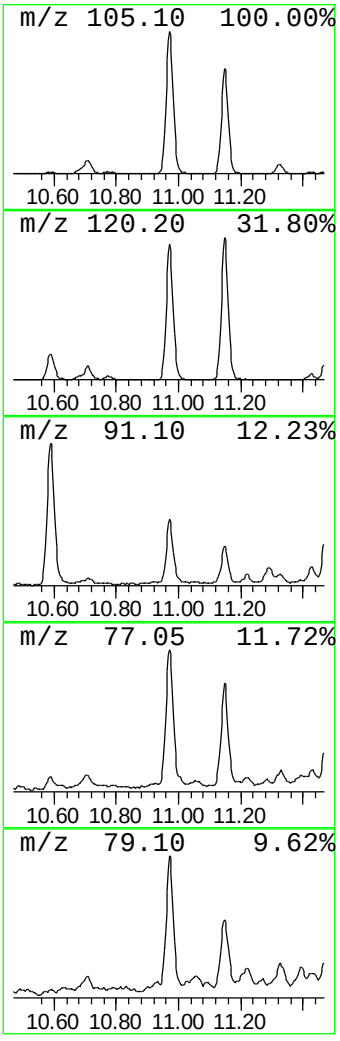
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	35.03 ug/L	1321690	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

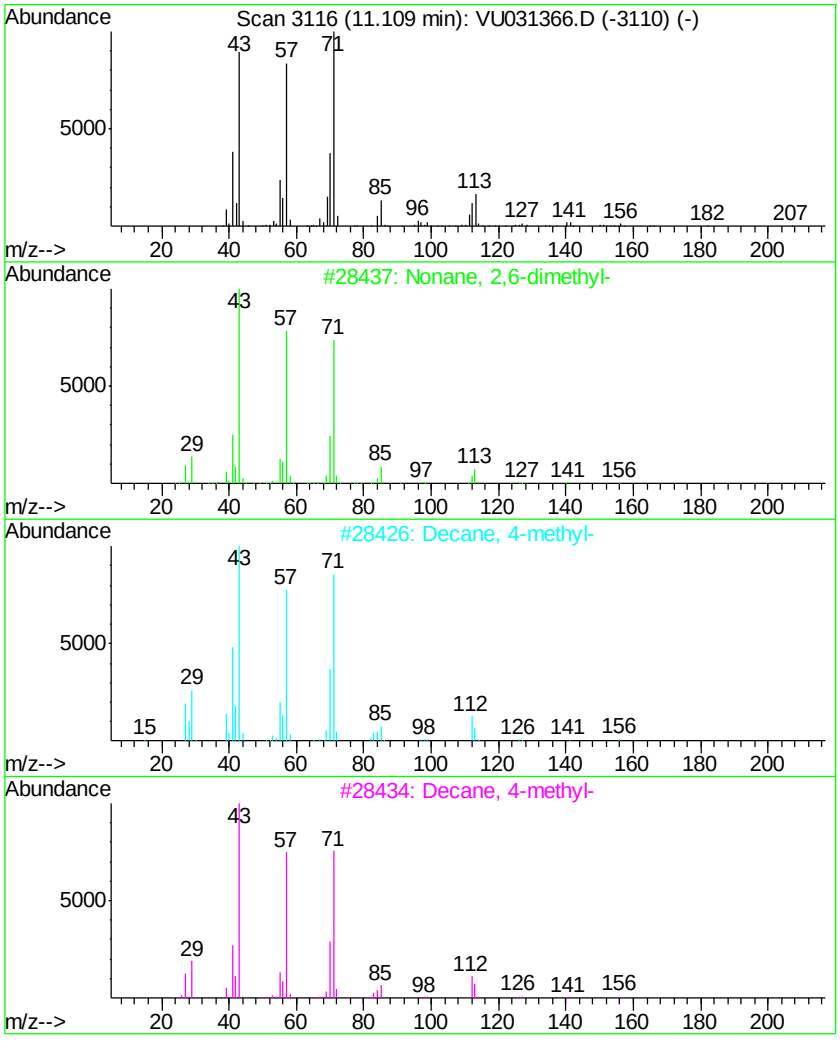
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

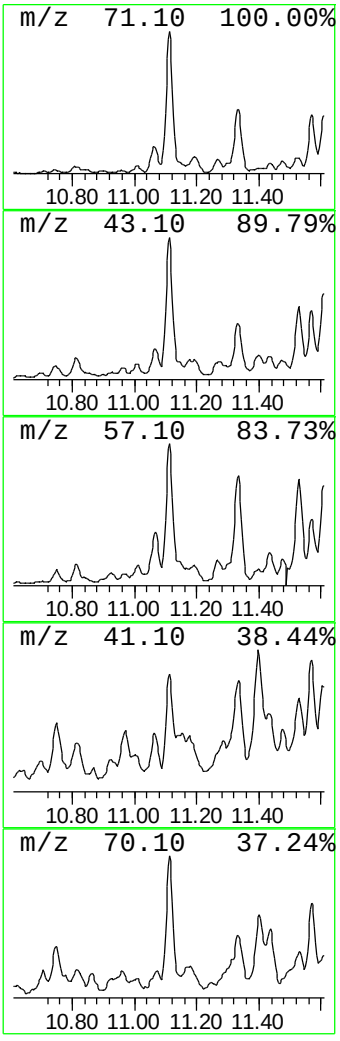
****

Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	11.77 ug/L	444268	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Decane, 4-methyl-	156	C11H24	002847-72-5	87
4	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	72
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

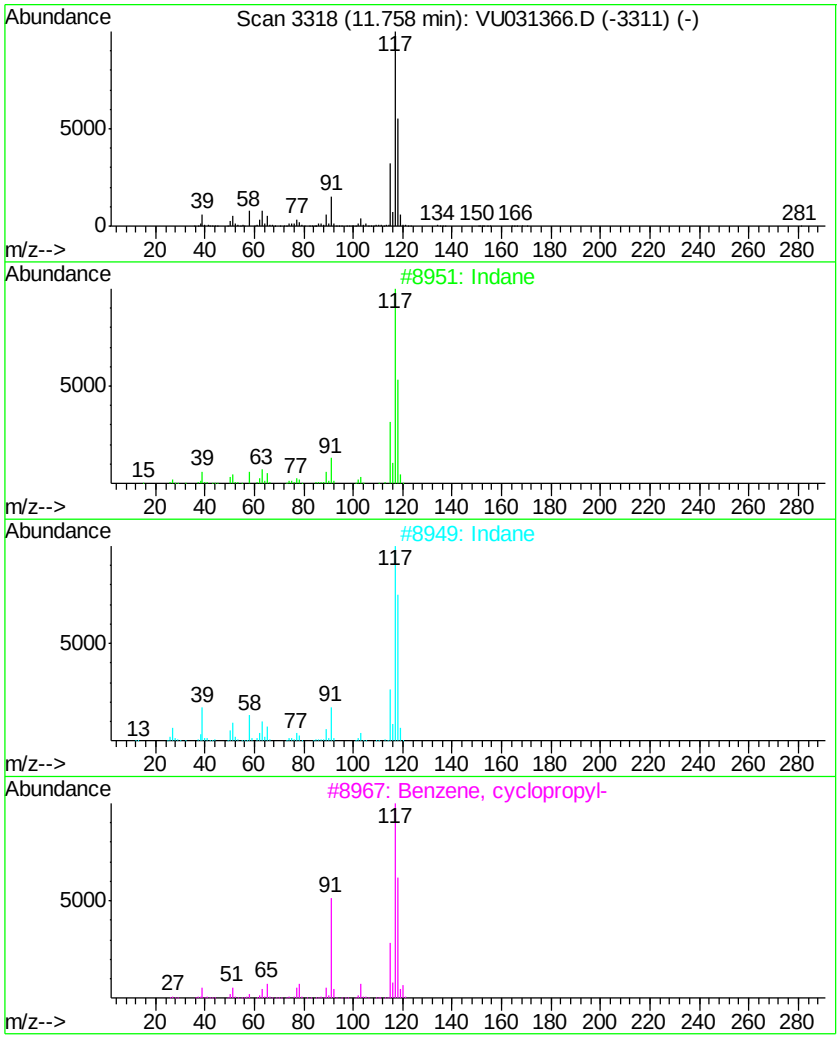
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

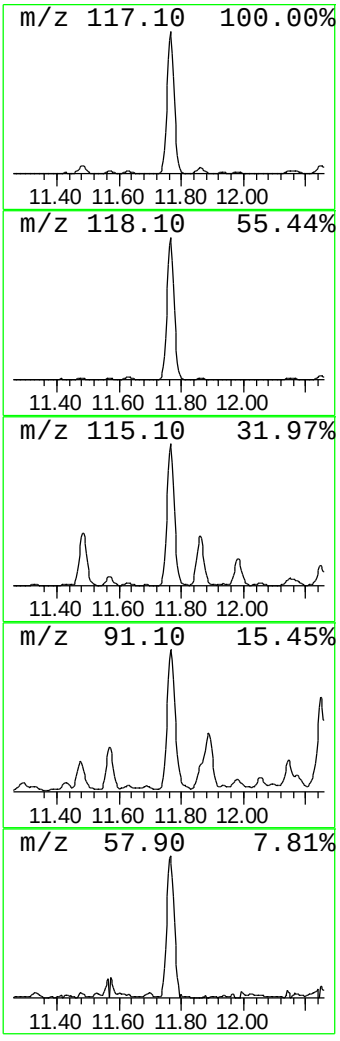
****

Peak Number 8 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	130.97 ug/L	4942100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





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Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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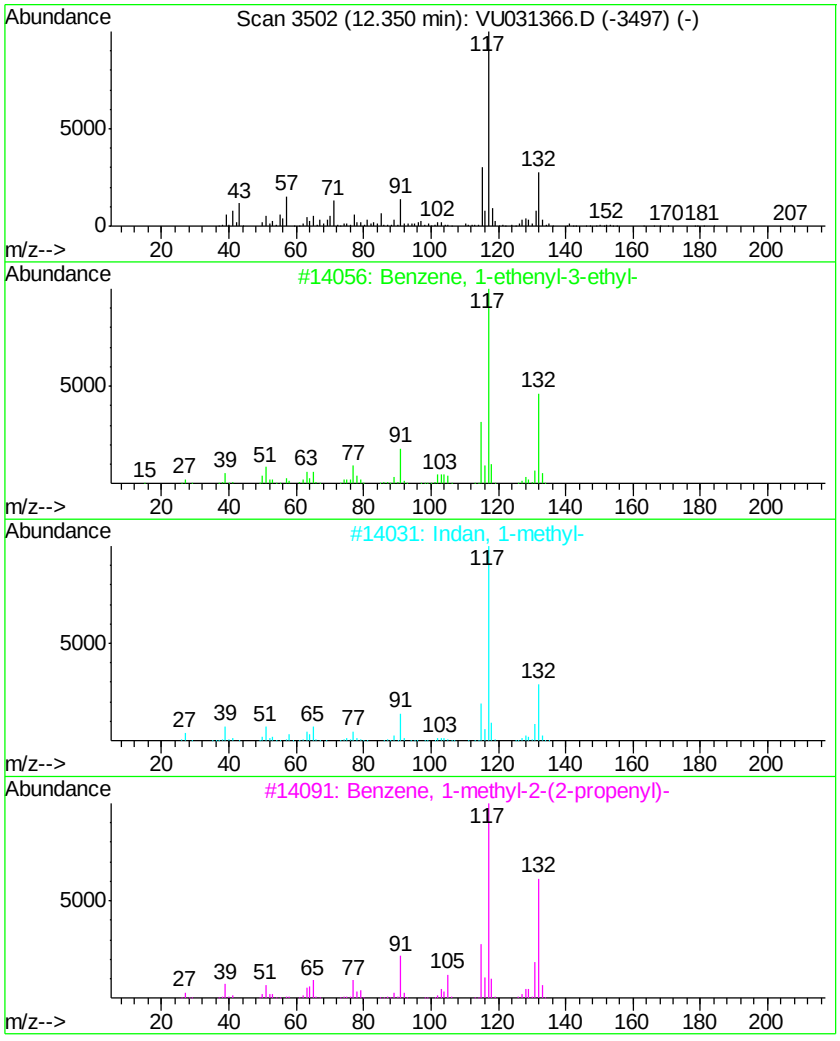
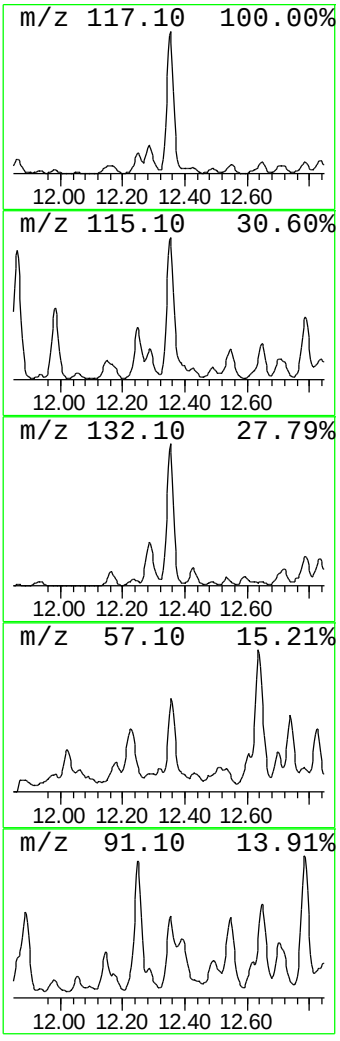
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	48.52 ug/L	1830990	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	83
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





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Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

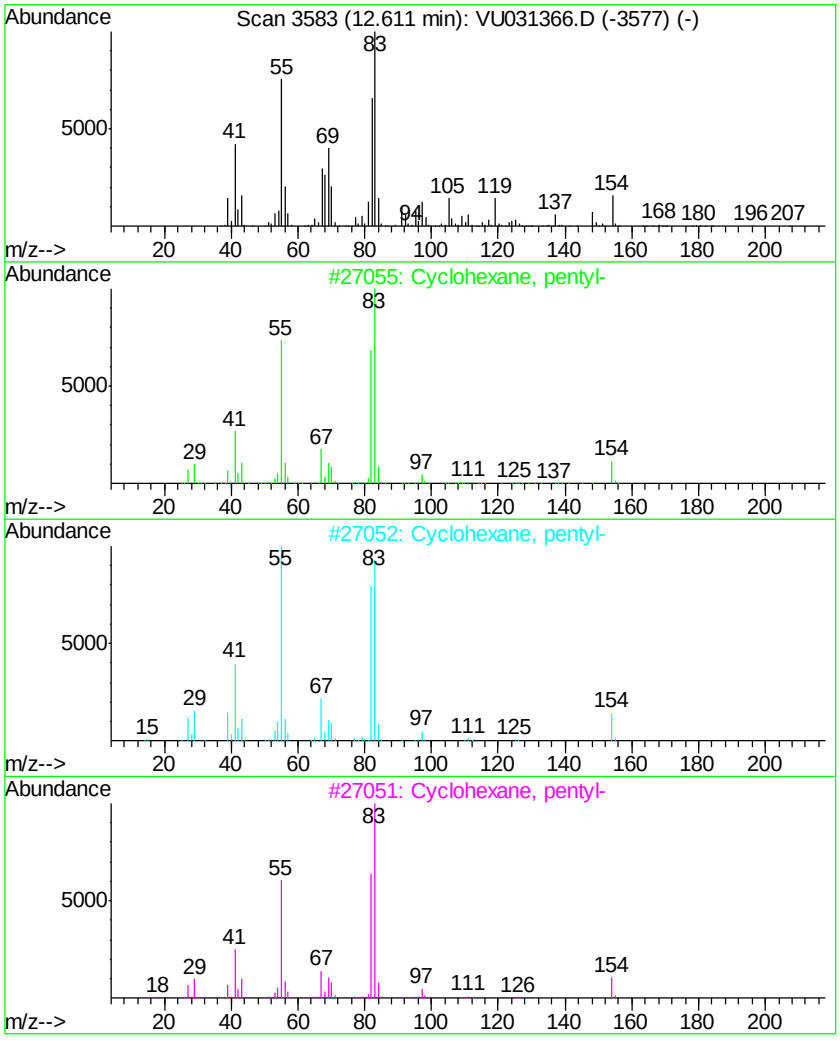
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

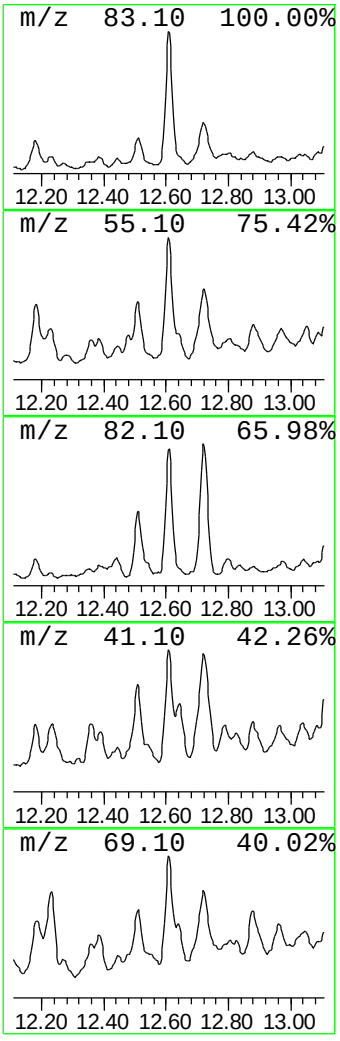
****

Peak Number 10 (DEL) Alkane: Cyclic12.61 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	35.46 ug/L	1338140	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

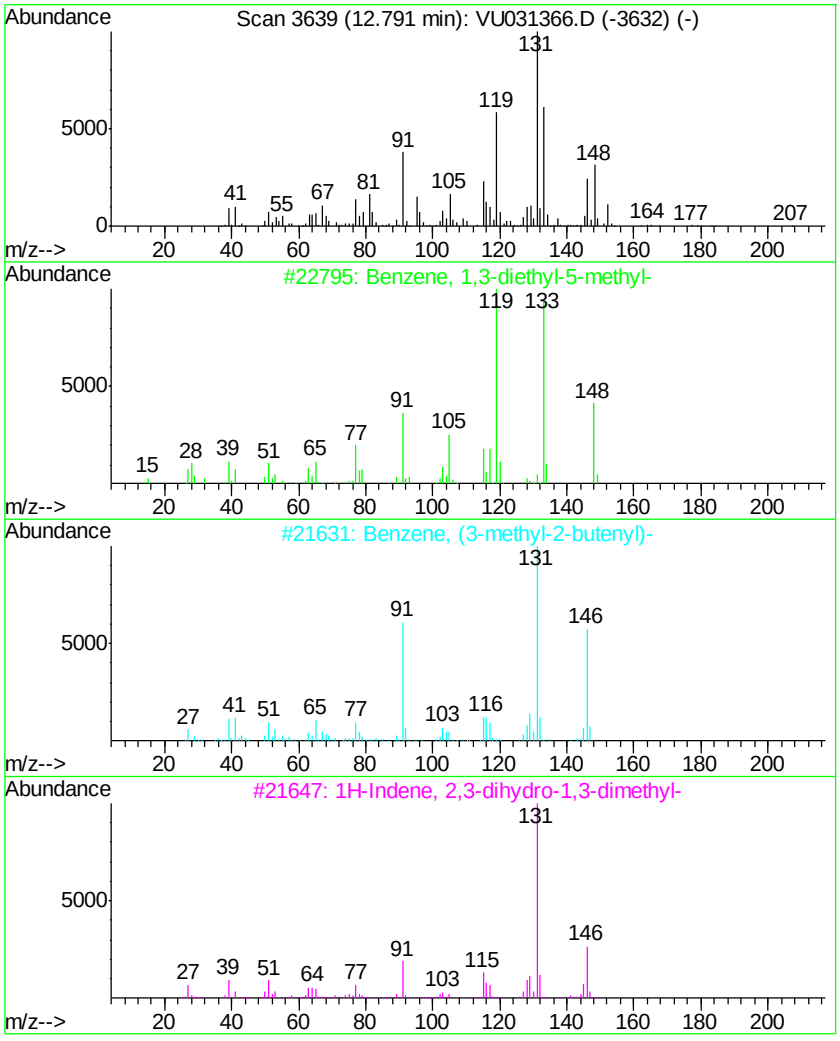
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

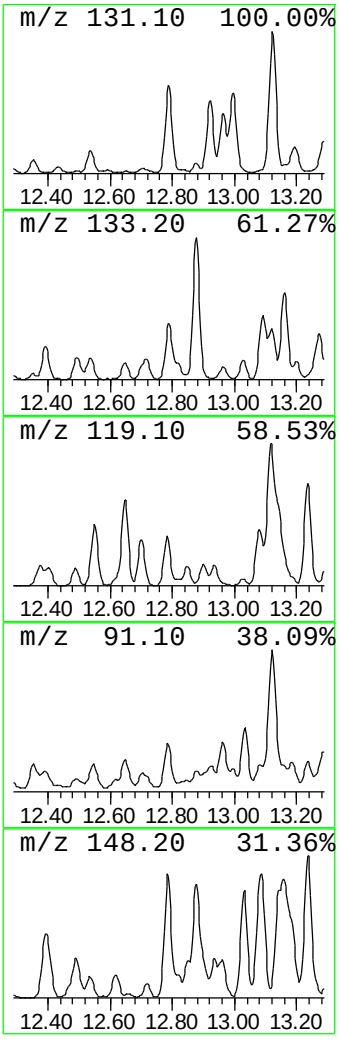
****

Peak Number 11 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	39.57 ug/L	1492950	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	84
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	83
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

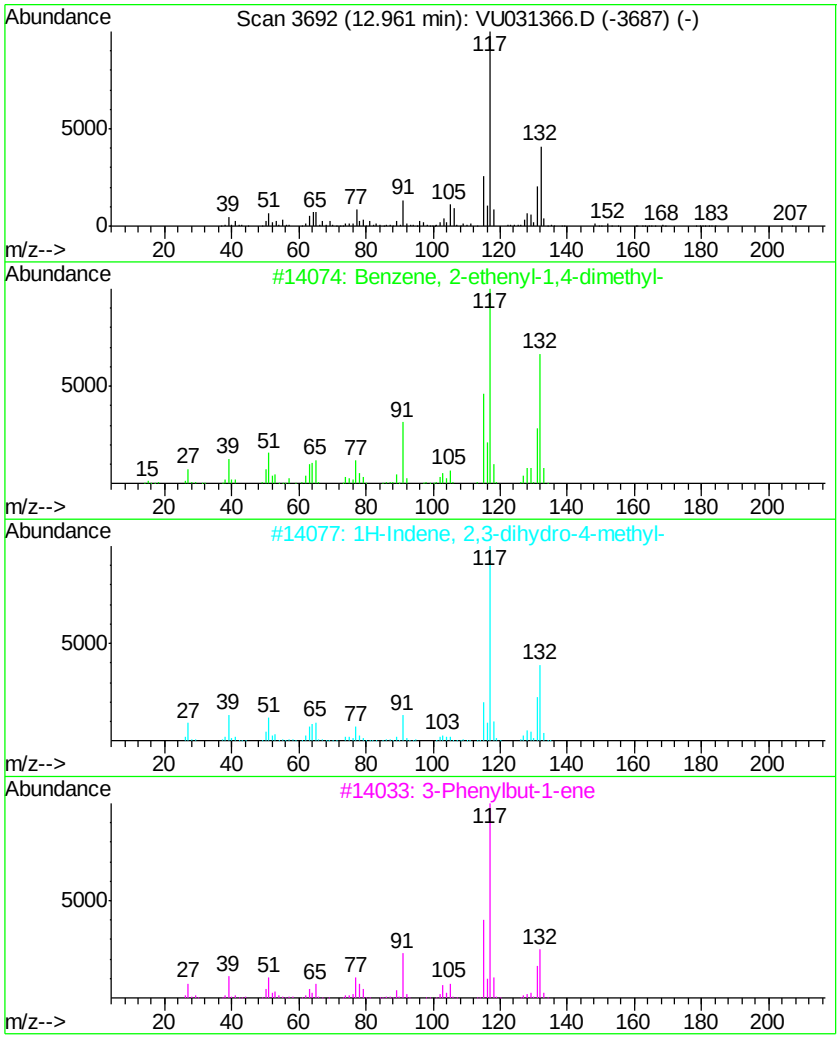
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

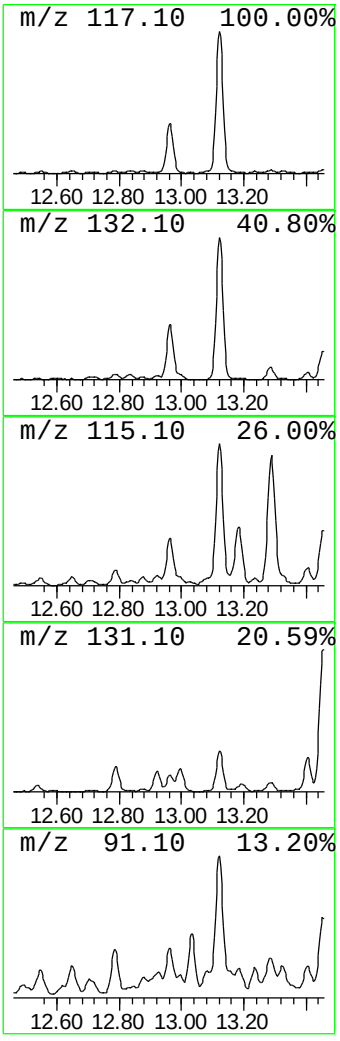
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	51.36 ug/L	1938060	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





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Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

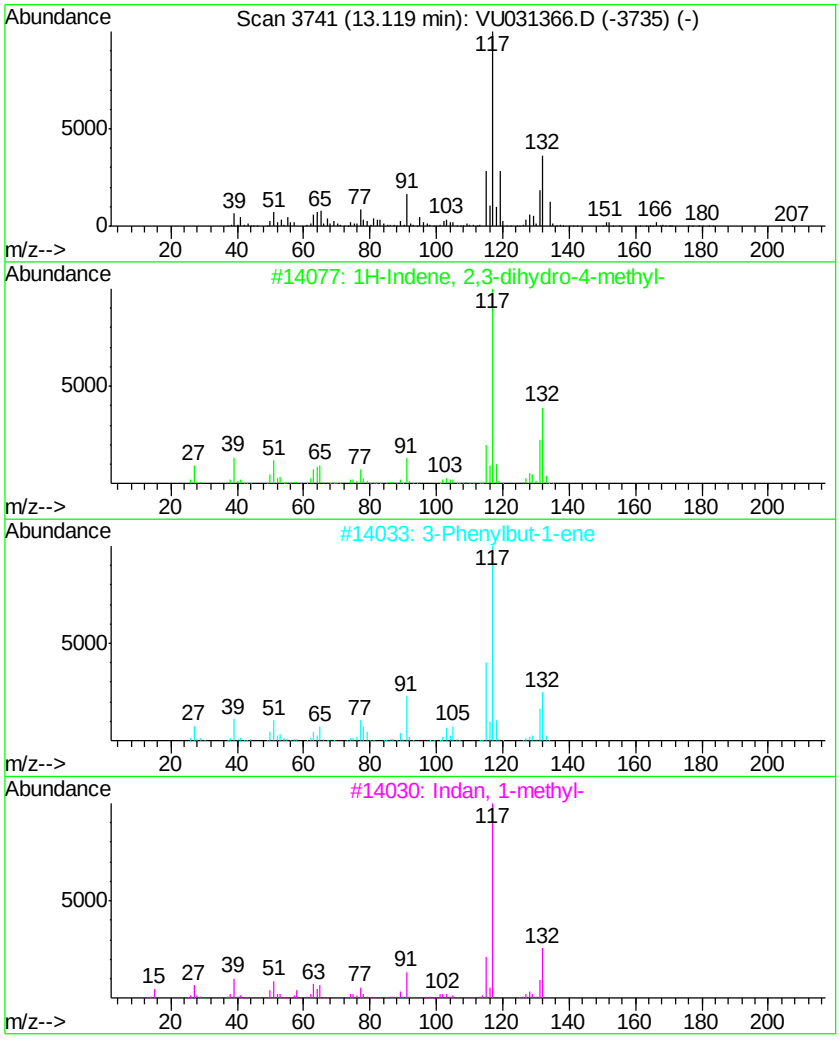
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

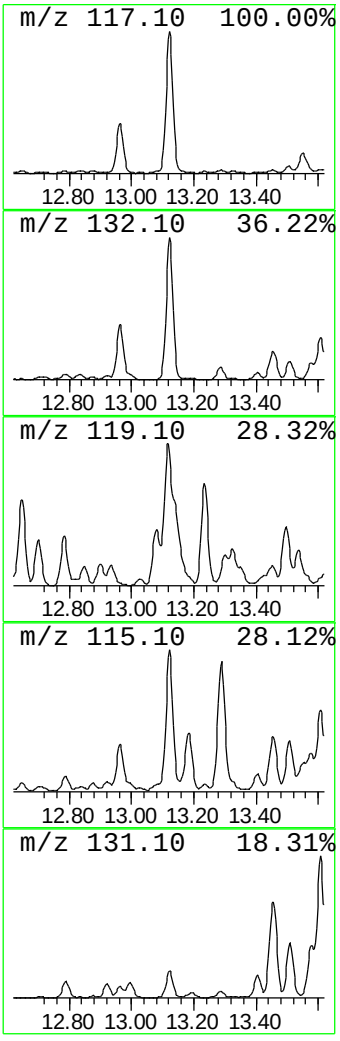
****

Peak Number 13 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	232.36 ug/L	8767730	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74





Library Search Compound Report

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Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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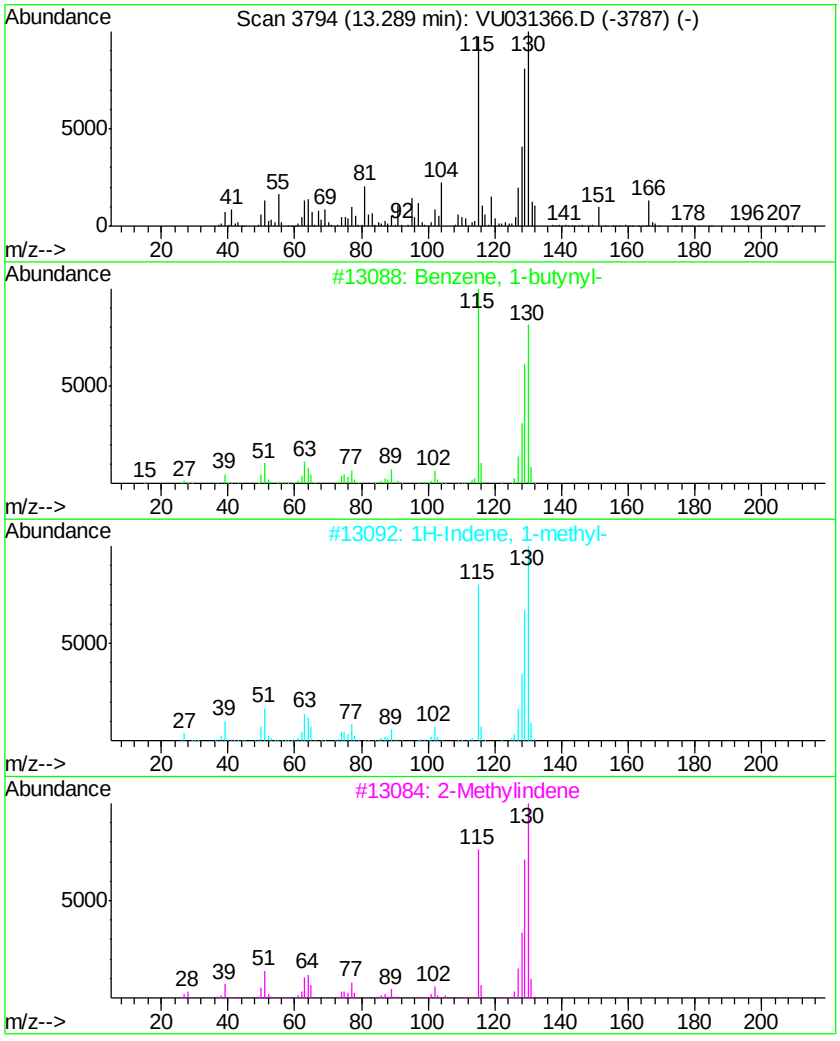
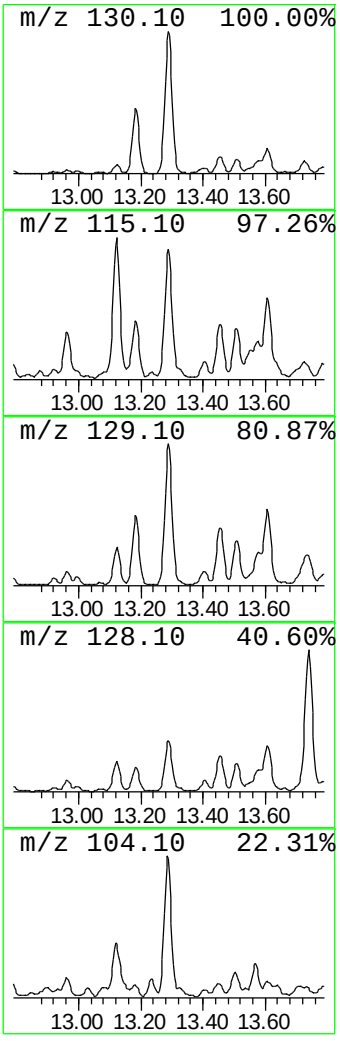
Peak Number 14 Benzene, 1-butynyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	114.47 ug/L	4319320	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
5	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

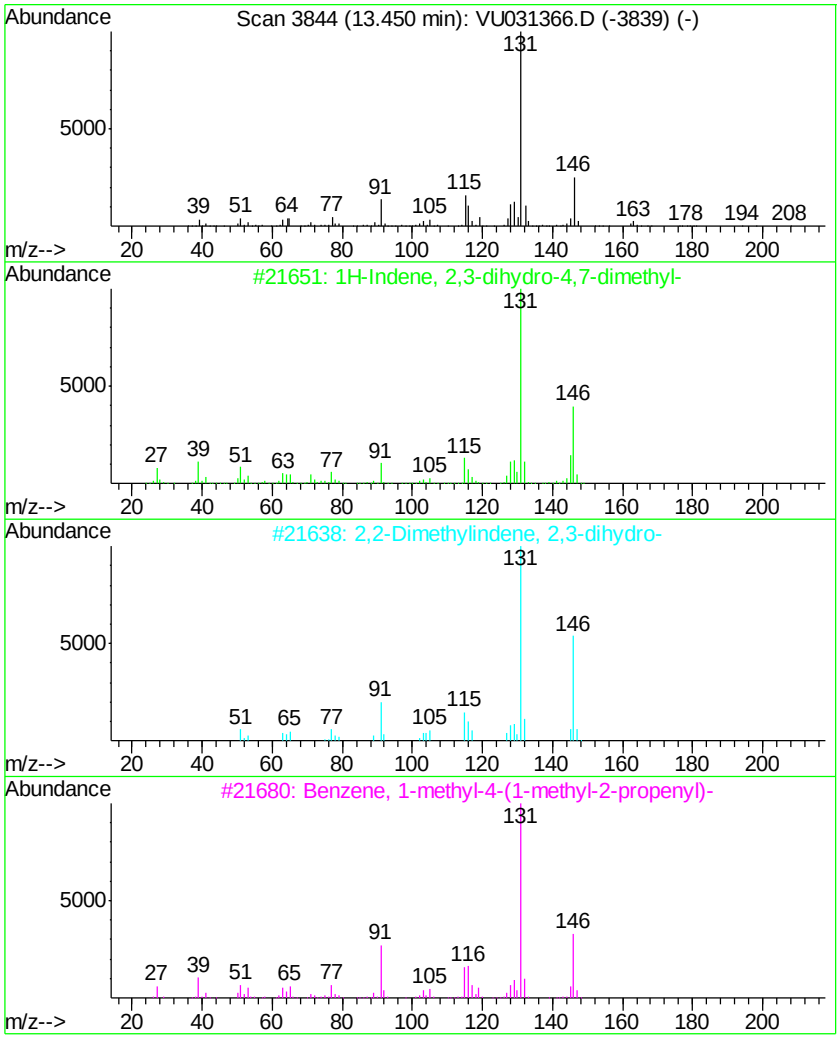
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

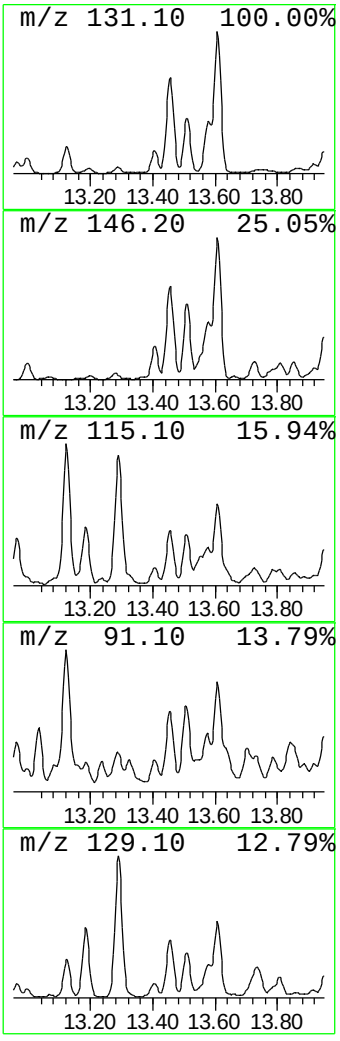
****

Peak Number 15 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	99.97 ug/L	3772200	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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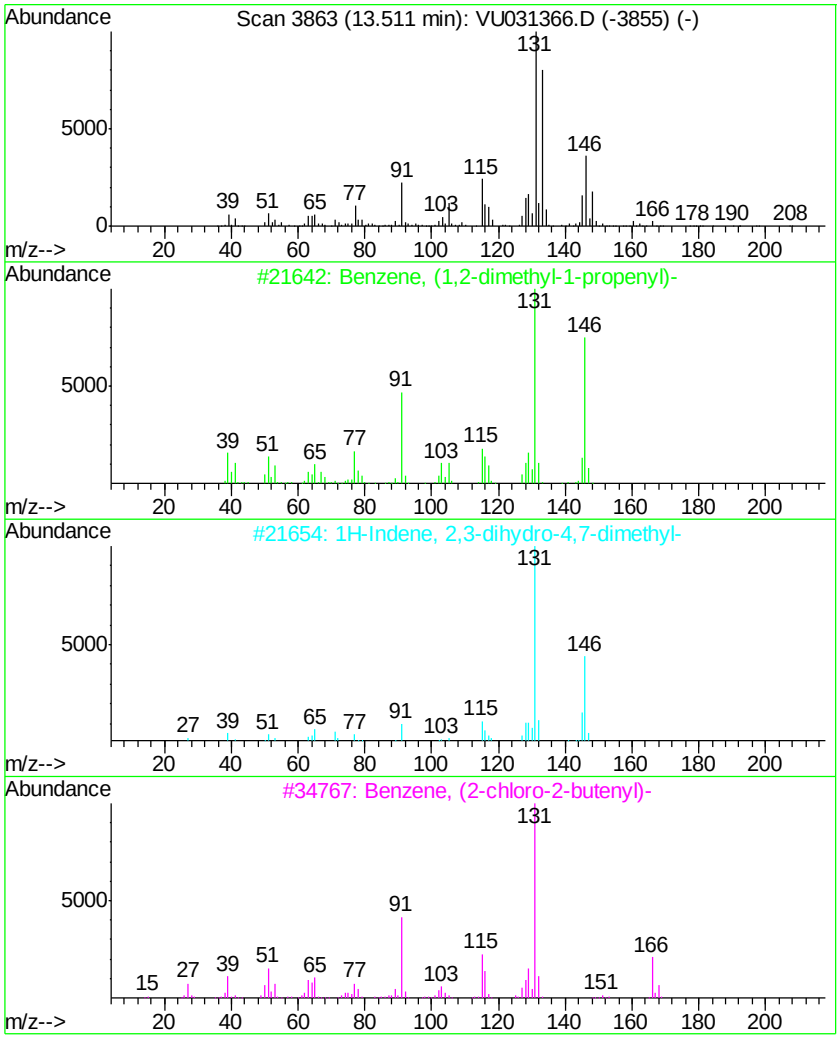
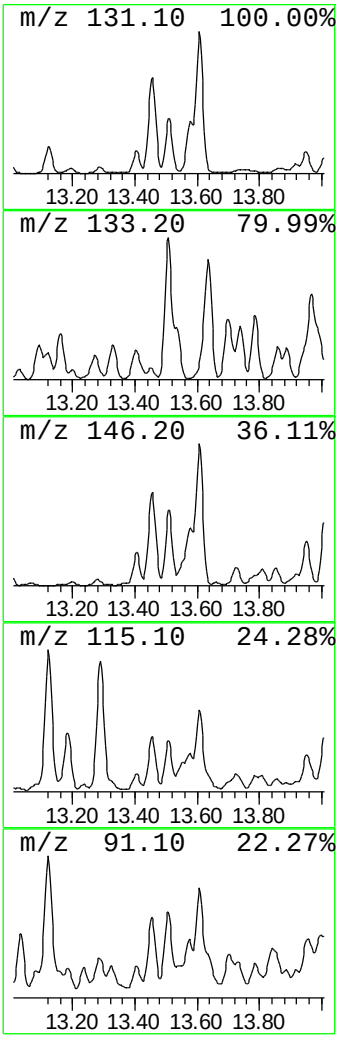
Peak Number 16 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	114.63 ug/L	4325260	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
3	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	81
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	55
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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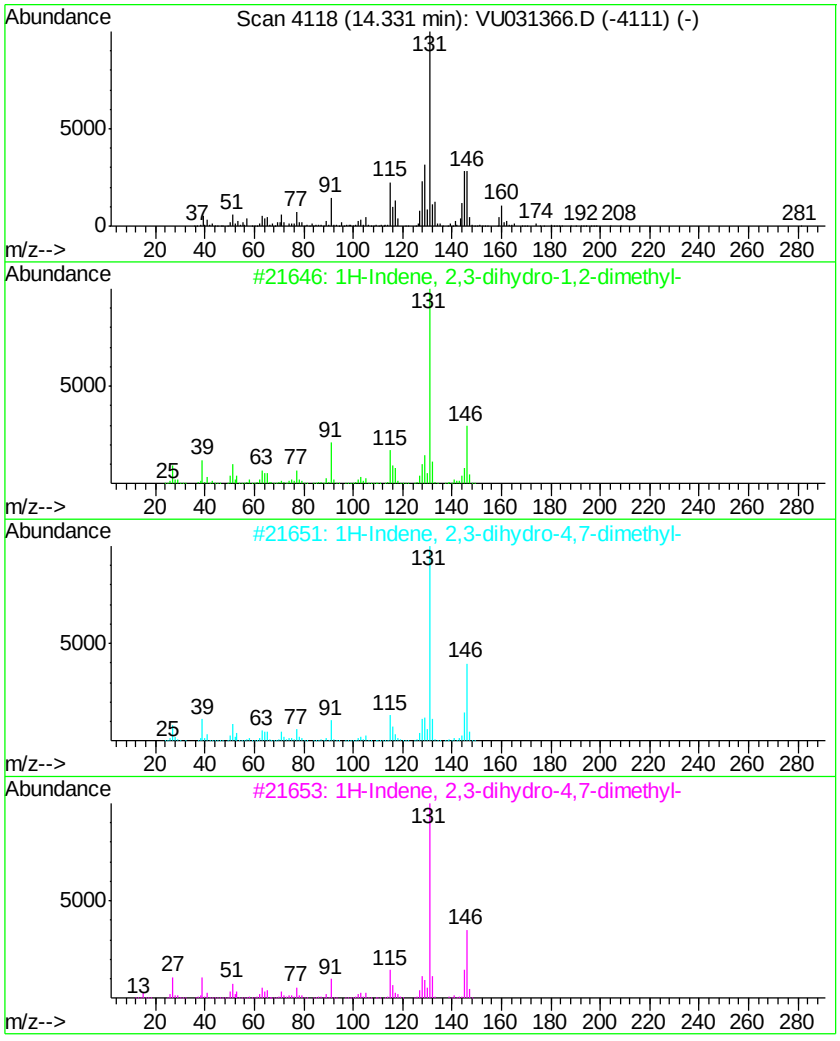
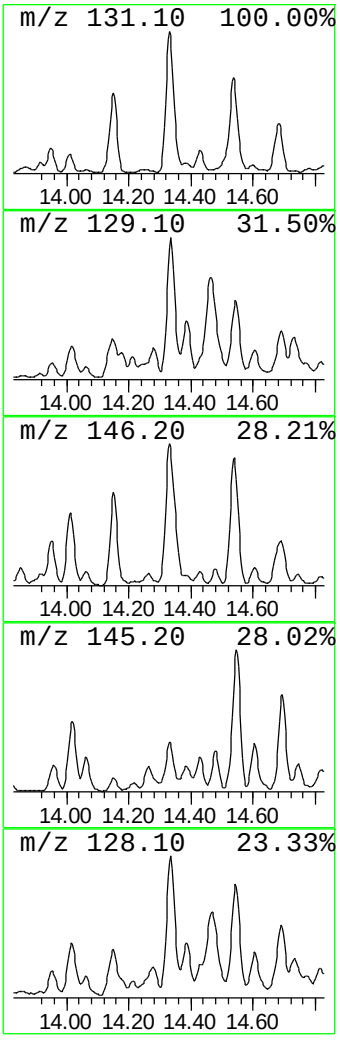
Peak Number 17 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	285.39 ug/L	10768800	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	52
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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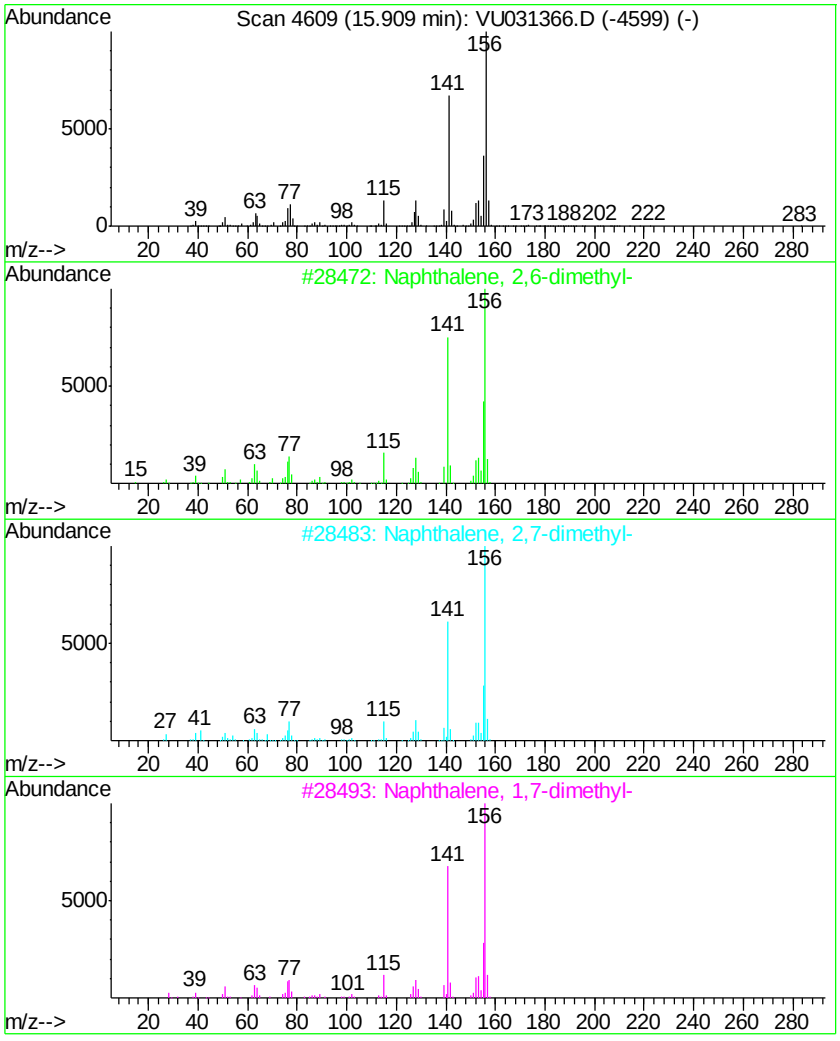
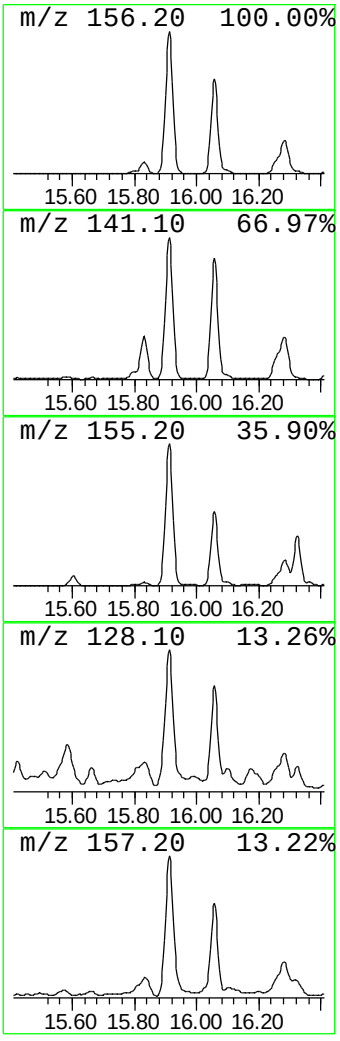
Peak Number 19 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	548.34 ug/L	20691100	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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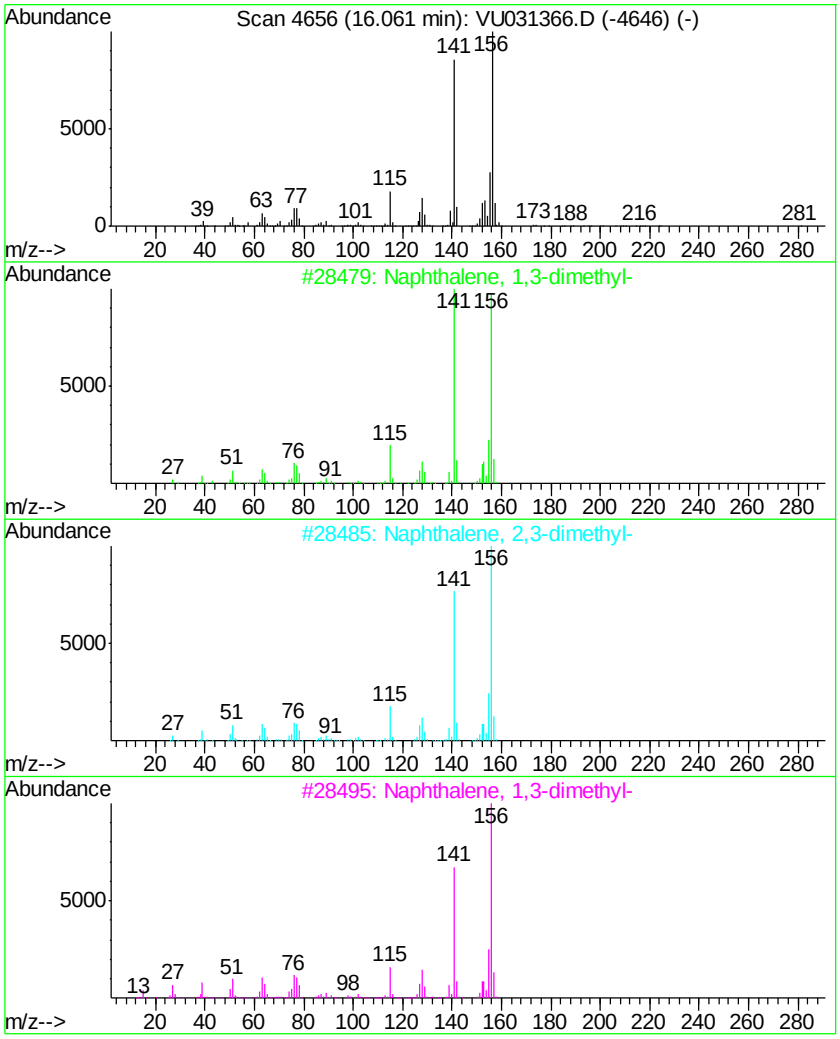
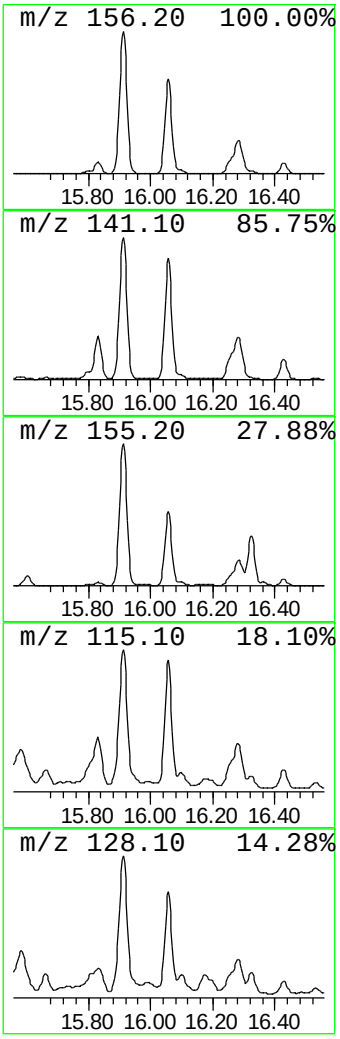
Peak Number 20 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	312.65 ug/L	11797500	1,4-Dichlorobenzene-d4	11.49

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	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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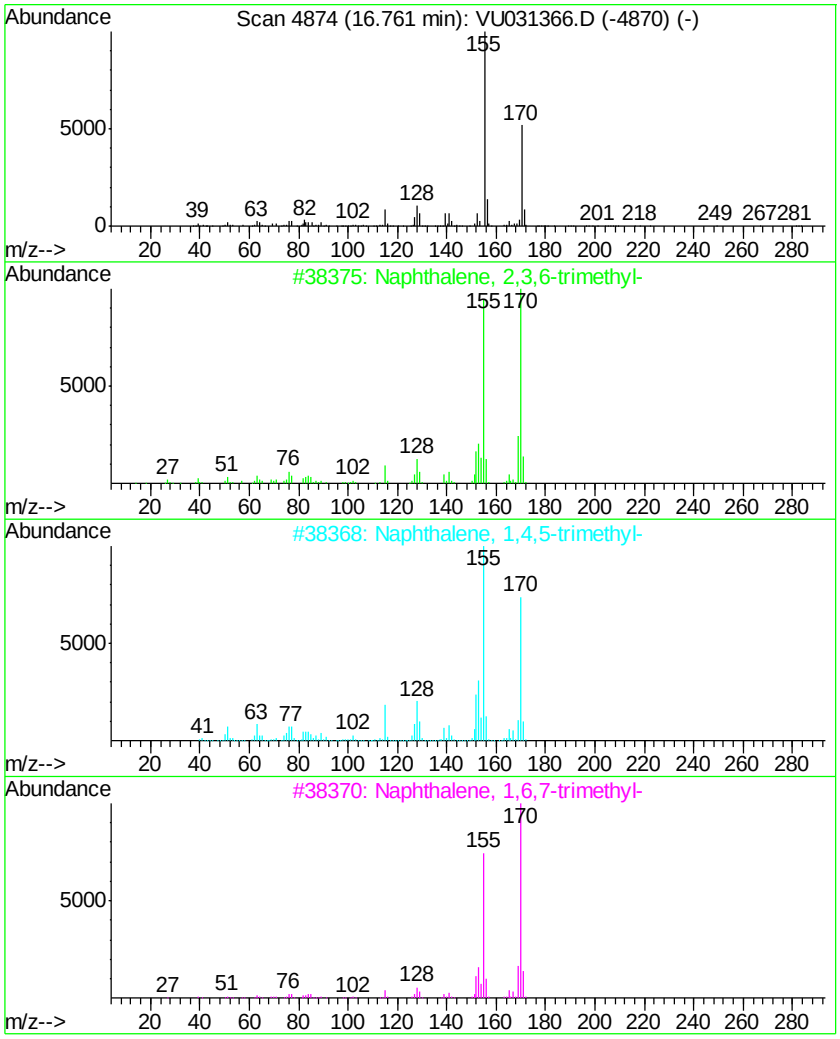
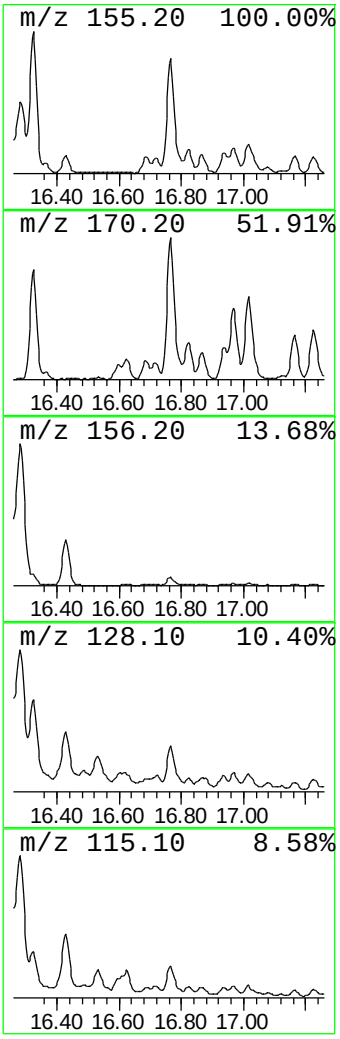
Peak Number 22 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	34.08 ug/L	1285940	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

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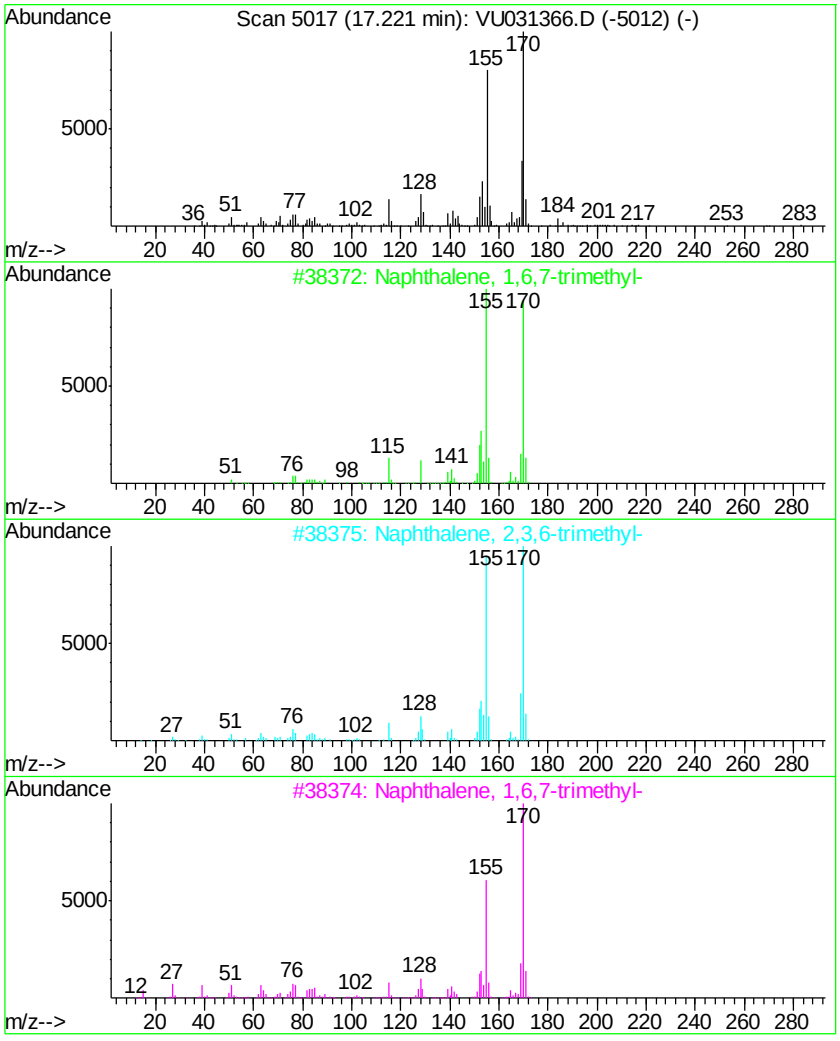
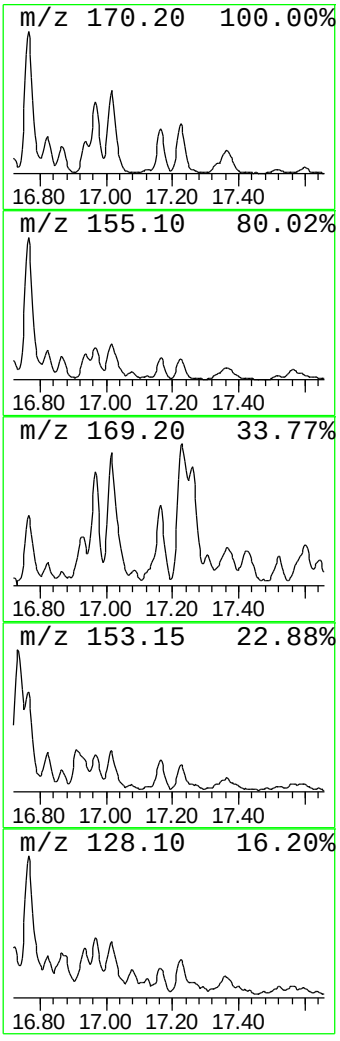
Peak Number 23 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	8.31 ug/L	313710	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031366.D
Acq On : 19 Apr 2019 17:57
Operator : JC/SP
Sample : K2455-15ME
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR5ME

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	9.95	5.5	ug/L	186918	2	9.09	1687500	50.0
Cyclohexanone, 2,...	10.04	3.4	ug/L	114817	2	9.09	1687500	50.0
Benzene, propyl-	10.59	3.2	ug/L	119654	3	11.49	1886700	50.0
Benzene, 1-ethyl-...	10.97	35.0	ug/L	1321690	3	11.49	1886700	50.0
Nonane, 2,6-dimet...	11.11	11.8	ug/L	444268	3	11.49	1886700	50.0
Indane	11.76	131.0	ug/L	4942100	3	11.49	1886700	50.0
Benzene, 1-etheny...	12.35	48.5	ug/L	1830990	3	11.49	1886700	50.0
(DEL) Alkane: Cyc...	12.61	35.5	ug/L	1338140	3	11.49	1886700	50.0
Benzene, 1,3-diet...	12.79	39.6	ug/L	1492950	3	11.49	1886700	50.0
Benzene, 2-etheny...	12.96	51.4	ug/L	1938060	3	11.49	1886700	50.0
1H-Indene, 2,3-di...	13.12	232.4	ug/L	8767730	3	11.49	1886700	50.0
Benzene, 1-butynyl-	13.29	114.5	ug/L	4319320	3	11.49	1886700	50.0
1H-Indene, 2,3-di...	13.45	100.0	ug/L	3772200	3	11.49	1886700	50.0
Benzene, (1,2-dim...	13.51	114.6	ug/L	4325260	3	11.49	1886700	50.0
1H-Indene, 2,3-di...	14.33	285.4	ug/L	10768800	3	11.49	1886700	50.0
Naphthalene, 2,6-...	15.91	548.3	ug/L	20691100	3	11.49	1886700	50.0
Naphthalene, 1,3-...	16.06	312.6	ug/L	11797500	3	11.49	1886700	50.0
Naphthalene, 2,3,...	16.76	34.1	ug/L	1285940	3	11.49	1886700	50.0
Naphthalene, 1,6,...	17.22	8.3	ug/L	313710	3	11.49	1886700	50.0