LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

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\SOMULM042319WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	24	28	38	rVB	15019	13998	0.03%	0.007%
2	1.396	88	95	112	rVB	336158	372954	0.76%	0.186%
3	1.682	175	184	200	rBV	258442	339867	0.69%	0.170%
4	2.267	355	366	380	rVB	590790	890261	1.81%	0.445%
5	2.466	423	428	429	rBV3	1983	1456	0.00%	0.001%
6	2.537	444	450	454	rVV7	1927	2443	0.00%	0.001%
7	2.695	497	499	503	rBV3	1288	917	0.00%	0.000%
8	2.765	517	521	525	rBV5	1035	835	0.00%	0.000%
9	2.791	525	529	534	rVB5	1144	1120	0.00%	0.001%
10	3.322	689	694	699	rVV4	1041	1058	0.00%	0.001%
11	3.569	767	771	776	rBV3	822	844	0.00%	0.000%
12	3.849	854	858	861	rVB2	1163	993	0.00%	0.000%
13	4.196	953	966	1000	rBV2	168898	606081	1.23%	0.303%
14	4.498	1058	1060	1069	rVV4	1164	941	0.00%	0.000%
15	4.643	1089	1105	1134	rBV	372819	893133	1.82%	0.446%
16	4.971	1202	1207	1211	rVV6	1562	1573	0.00%	0.001%
17	5.003	1215	1217	1221	rVV3	1236	885	0.00%	0.000%
18	5.042	1226	1229	1235	rBV4	888	942	0.00%	0.000%
19	5.132	1250	1257	1262	rBV3	957	1542	0.00%	0.001%
20	5.334	1297	1320	1358	rBV2	803615	2400382	4.89%	1.199%
21	5.569	1390	1393	1397	rBV3	1282	1061	0.00%	0.001%
22	5.608	1399	1405	1410	rVV3	3248	4252	0.01%	0.002%
23	5.656	1417	1420	1422	rBV	1863	1165	0.00%	0.001%
24	5.672	1422	1425	1428	rVB2	2536	1721	0.00%	0.001%
25	5.756	1443	1451	1457	rBV5	2030	2443	0.00%	0.001%
26	5.823	1468	1472	1474	rBV	1248	840	0.00%	0.000%
27	5.881	1476	1490	1510	rBV	760159	1550279	3.16%	0.774%
28	6.180	1570	1583	1591	rBV	7941	18620	0.04%	0.009%
29	6.325	1614	1628	1653	rBV	485354	1008122	2.05%	0.504%
30	7.067	1855	1859	1866	rVV4	669	955	0.00%	0.000%
31	7.225	1896	1908	1936	rBV	271789	526363	1.07%	0.263%
32	7.563	1996	2013	2047	rBV	1022260	1939668	3.95%	0.969%
33	7.849	2091	2102	2132	rBV	182437	343402	0.70%	0.172%
34	8.135	2187	2191	2196	rBV4	1310	1180	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

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\SOMULM042319WMA.M
Title : VOC Analysis

35	8.225	2212	2219	2221	rBV5	1867	1812	0.00%	0.001%
36	8.315	2236	2247	2280	rBV	653189	1360984	2.77%	0.680%
37	8.540	2315	2317	2322	rVB4	1498	950	0.00%	0.000%
38	8.717	2364	2372	2373	rBV6	1138	1504	0.00%	0.001%
39	8.900	2424	2429	2437	rVB8	1234	1792	0.00%	0.001%
40	9.000	2456	2460	2463	rBV4	1248	821	0.00%	0.000%
41	9.087	2474	2487	2518	rBV	1079951	1881943	3.83%	0.940%
42	9.251	2528	2538	2559	rVB	105008	184567	0.38%	0.092%
43	9.370	2562	2575	2608	rBV	995073	1727020	3.51%	0.863%
44	9.550	2626	2631	2635	rBV7	2190	2515	0.01%	0.001%
45	9.778	2687	2702	2731	rBV3	720543	1379869	2.81%	0.689%
46	9.952	2753	2756	2761	rBV4	2058	1806	0.00%	0.001%
47	10.038	2777	2783	2786	rBV7	2607	3219	0.01%	0.002%
48	10.083	2795	2797	2801	rVB4	1405	798	0.00%	0.000%
49	10.164	2813	2822	2829	rBV3	10349	17923	0.04%	0.009%
50	10.254	2845	2850	2855	rBV6	2247	2843	0.01%	0.001%
51	10.292	2859	2862	2866	rBV4	2628	2698	0.01%	0.001%
52	10.431	2893	2905	2920	rBV	682026	1110345	2.26%	0.555%
53	10.508	2922	2929	2940	rVB2	32338	51454	0.10%	0.026%
54	10.585	2944	2953	2970	rVB2	55387	89565	0.18%	0.045%
55	10.678	2970	2982	2999	rBV	512987	1114310	2.27%	0.557%
56	10.768	2999	3010	3020	rBV	602139	936993	1.91%	0.468%
57	10.968	3061	3072	3079	rBV	190747	360445	0.73%	0.180%
58	11.144	3111	3127	3138	rBV	2022474	3123016	6.36%	1.560%
59	11.212	3138	3148	3157	rVV	1932788	2941220	5.99%	1.469%
60	11.260	3157	3163	3176	rVB	666227	1002198	2.04%	0.501%
61	11.479	3221	3231	3243	rBV	1239861	1930722	3.93%	0.964%
62	11.566	3250	3258	3268	rVB	683814	1004618	2.04%	0.502%
63	11.624	3269	3276	3291	rVB	201327	317612	0.65%	0.159%
64	11.762	3308	3319	3327	rBV2	328558	598628	1.22%	0.299%
65	11.858	3339	3349	3364	rVB3	1183291	2223307	4.52%	1.111%
66	11.977	3375	3386	3395	rBV	2051476	3179123	6.47%	1.588%
67	12.144	3429	3438	3441	rBV2	172233	250978	0.51%	0.125%
68	12.218	3454	3461	3465	rBV	229417	326395	0.66%	0.163%
69	12.302	3478	3487	3497	rVB	304580	521454	1.06%	0.260%
70	12.421	3516	3524	3535	rVB	1141171	1720337	3.50%	0.859%
71	12.482	3535	3543	3556	rVB2	318207	497463	1.01%	0.248%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

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\SOMULM042319WMA.M
Title : VOC Analysis

72	12.646	3586	3594	3602	rVB	332477	468162	0.95%	0.234%
73	12.701	3602	3611	3623	rBV3	711194	1394512	2.84%	0.697%
74	12.820	3640	3648	3660	rBV2	771842	1263081	2.57%	0.631%
75	12.958	3684	3691	3705	rVB	257755	383802	0.78%	0.192%
76	13.119	3732	3741	3750	rBV3	1242805	1860662	3.79%	0.929%
77	13.180	3751	3760	3772	rVB	2279252	3452108	7.03%	1.724%
78	13.286	3782	3793	3809	rVB	3915920	6456334	13.14%	3.225%
79	13.369	3812	3819	3837	rVB5	258992	729021	1.48%	0.364%
80	13.736	3922	3933	3945	rBV	14372926	21882262	44.53%	10.930%
81	14.138	4050	4058	4065	rBV2	593652	896950	1.83%	0.448%
82	14.334	4109	4119	4127	rBV2	870910	1508562	3.07%	0.754%
83	14.459	4150	4158	4174	rVB3	751621	1557065	3.17%	0.778%
84	14.582	4191	4196	4211	rVB2	221568	367434	0.75%	0.184%
85	14.726	4235	4241	4258	rVB2	427209	749672	1.53%	0.374%
86	14.816	4263	4269	4274	rVV	215543	295481	0.60%	0.148%
87	14.874	4275	4287	4304	rVB	31445248	49135919	100.00%	24.543%
88	15.057	4332	4344	4362	rBV	14722517	23302158	47.42%	11.639%
89	15.601	4505	4513	4522	rBV	667274	982752	2.00%	0.491%
90	15.794	4564	4573	4580	rBV	1880302	2836297	5.77%	1.417%
91	15.910	4596	4609	4630	rBV	8594570	14545753	29.60%	7.266%
92	16.054	4643	4654	4661	rBV	6949865	11108412	22.61%	5.549%
93	16.183	4685	4694	4706	rVV	1484871	2289334	4.66%	1.144%
94	16.279	4707	4724	4748	rVB	1962826	4812262	9.79%	2.404%
95	16.427	4760	4770	4780	rBV	894744	1415676	2.88%	0.707%
96	16.520	4789	4799	4815	rVB3	1531176	2873999	5.85%	1.436%
97	16.864	4901	4906	4915	rVB	166662	223521	0.45%	0.112%
98	17.012	4946	4952	4974	rVB2	627282	1183847	2.41%	0.591%
99	17.160	4990	4998	5009	rBV2	549227	865276	1.76%	0.432%
100	17.221	5010	5017	5028	rVV	356374	556690	1.13%	0.278%

Sum of corrected areas: 200202547

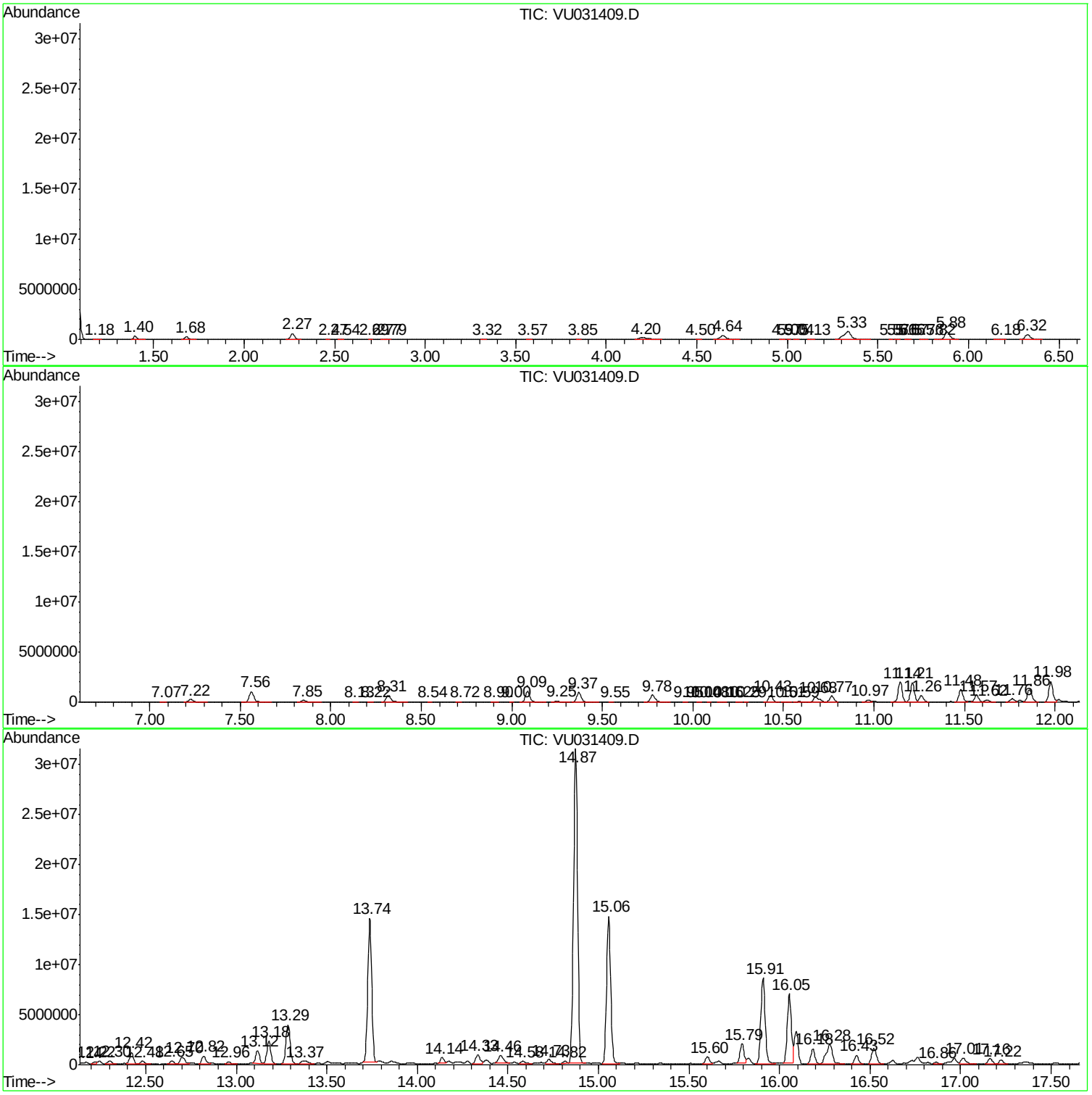
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

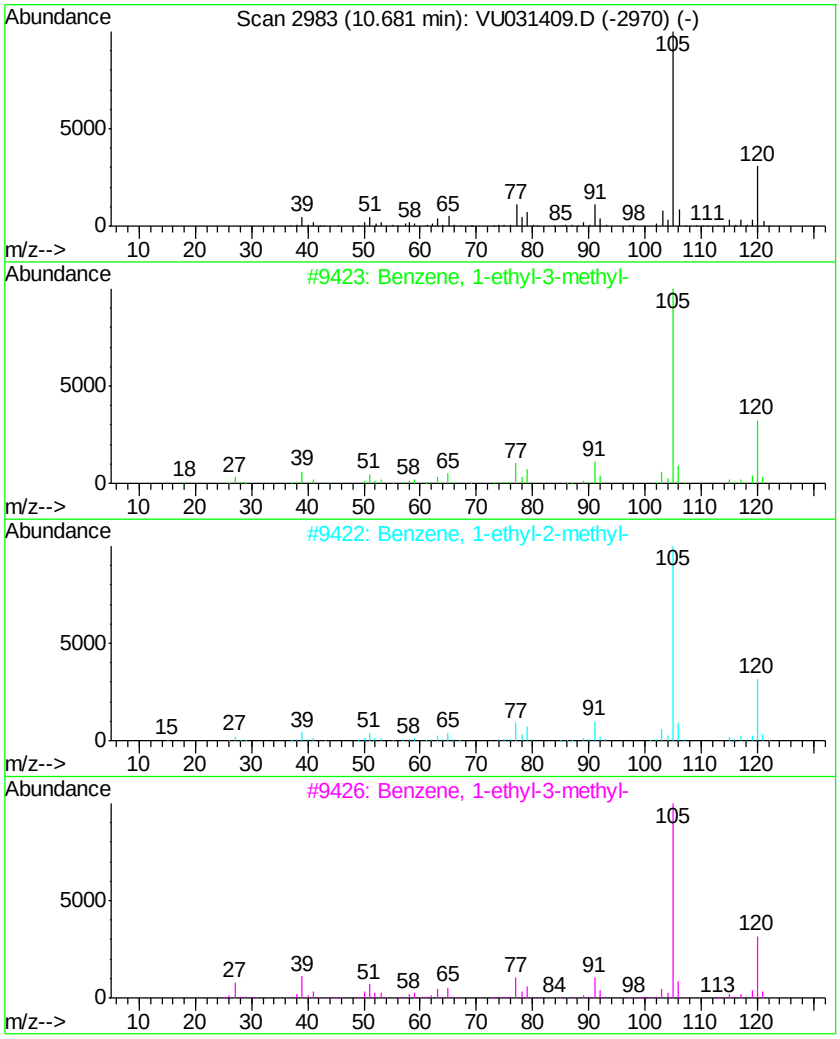
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

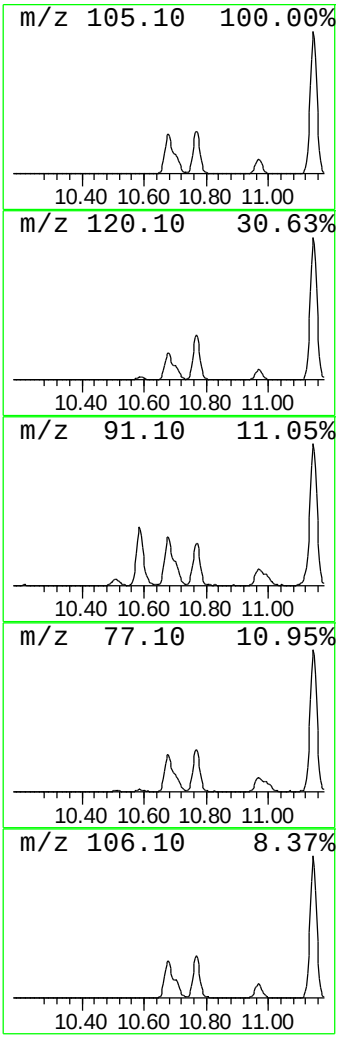
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	28.86 ug/L	1114310	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

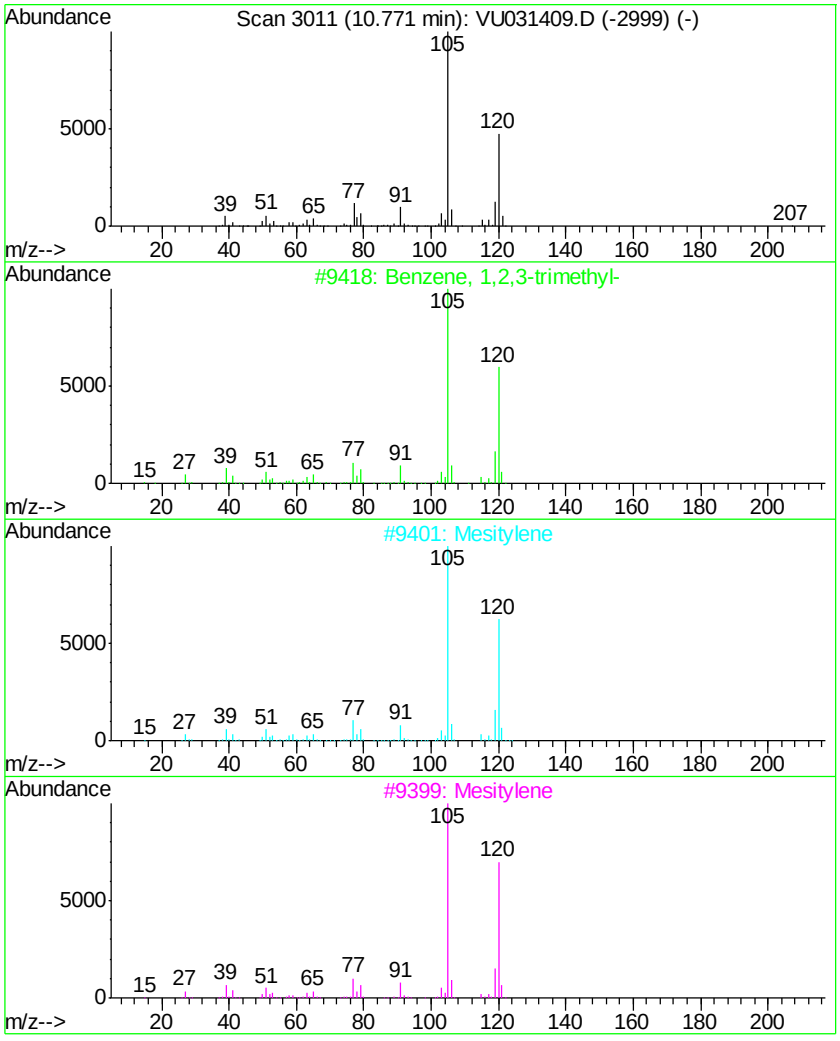
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

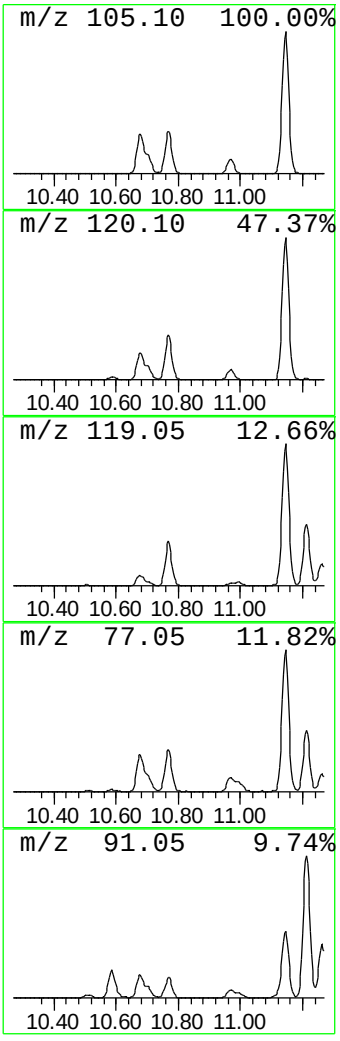
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	24.27 ug/L	936993	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	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

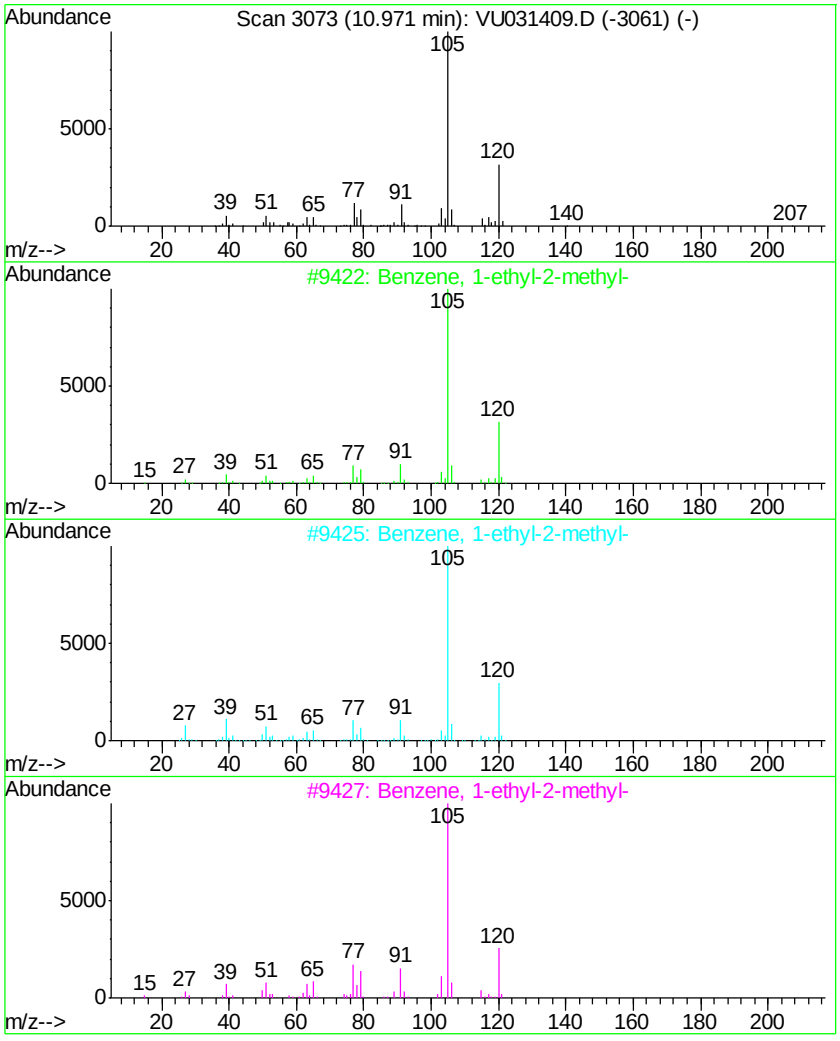
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

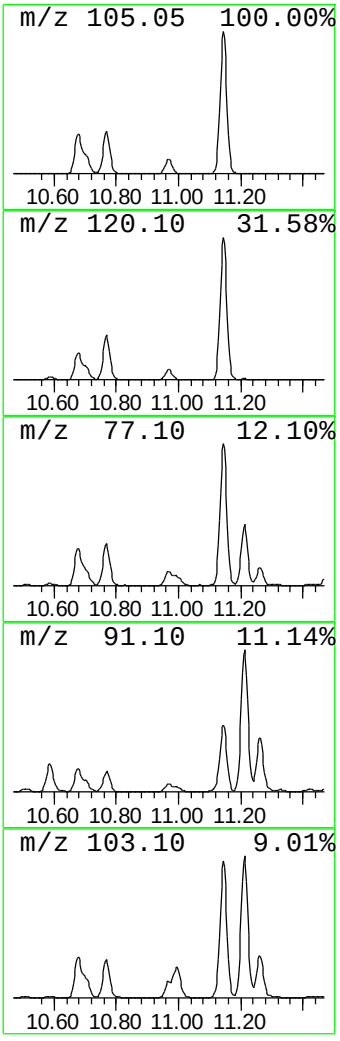
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	9.33 ug/L	360445	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	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

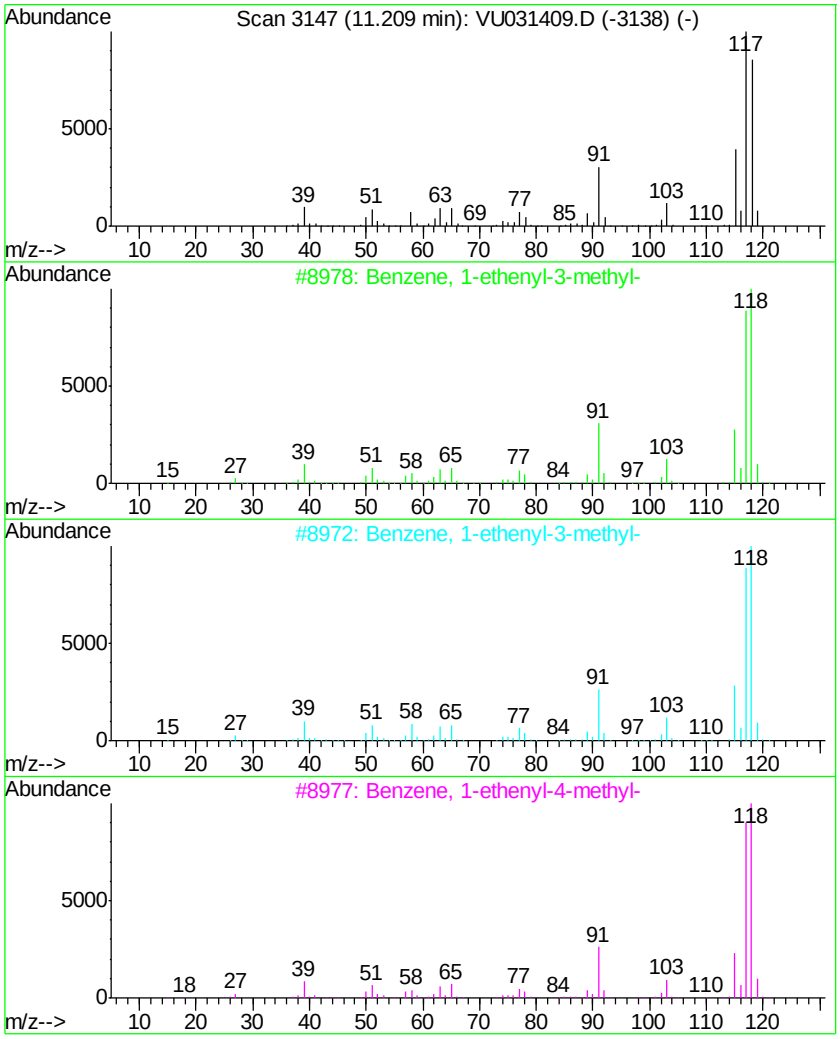
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

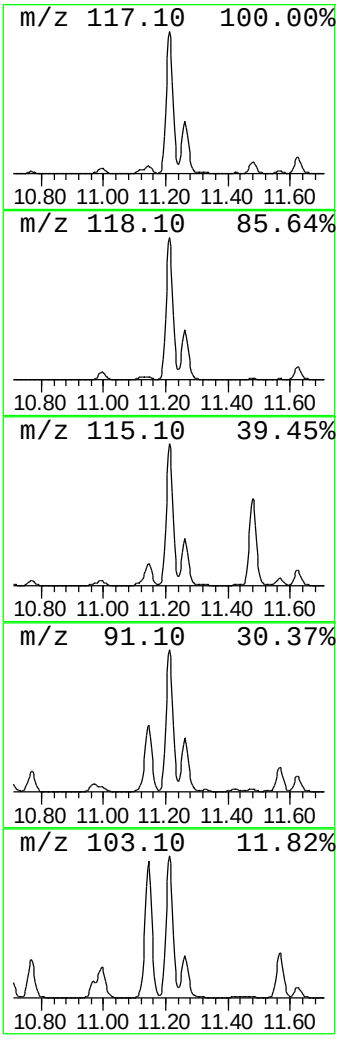
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	76.17 ug/L	2941220	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, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

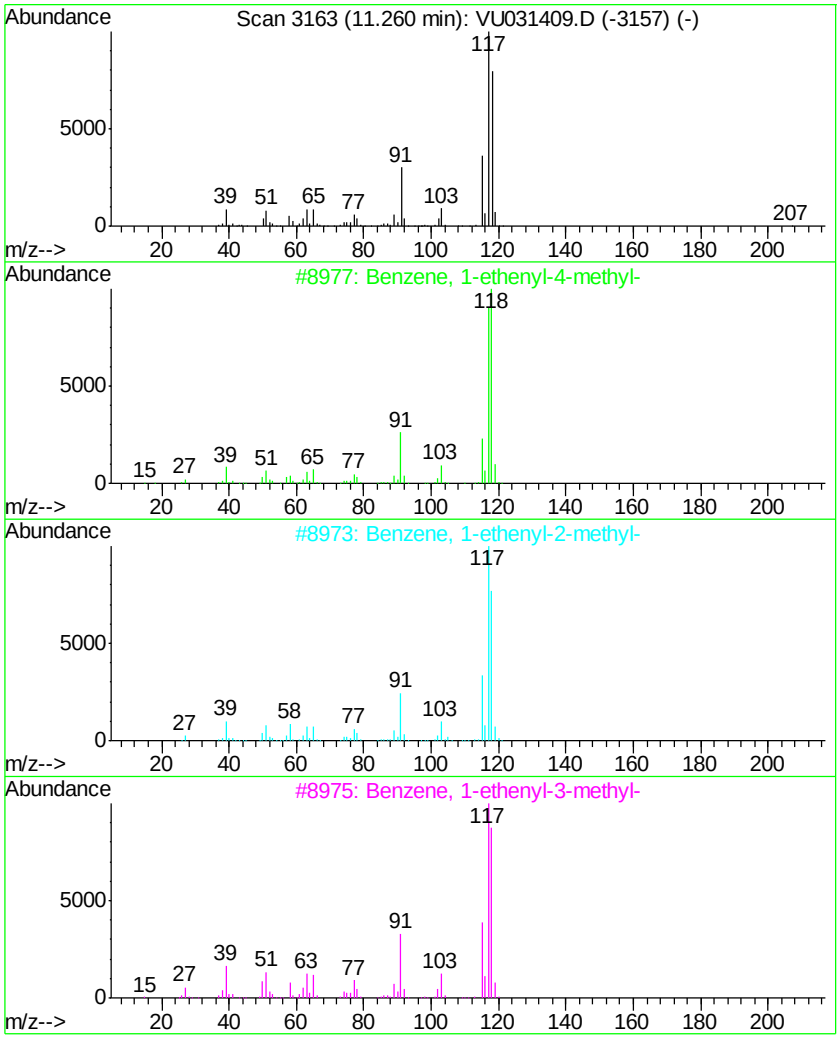
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

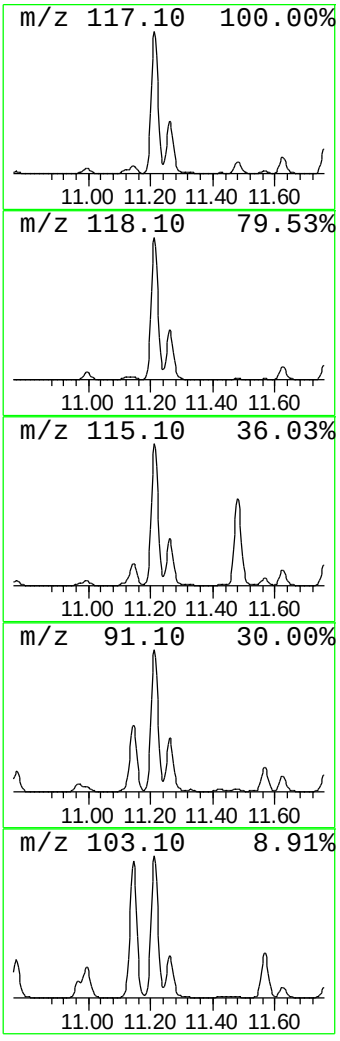
****

Peak Number 7 Benzene, 1-ethenyl-4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	25.95 ug/L	1002200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

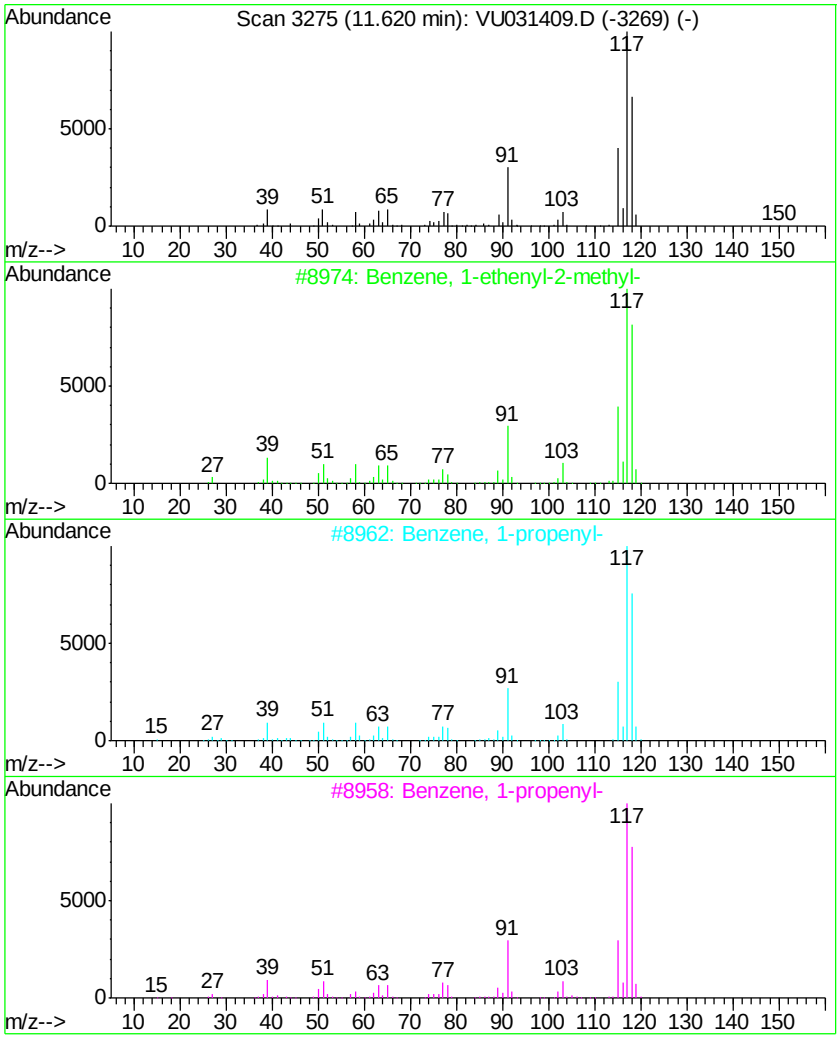
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

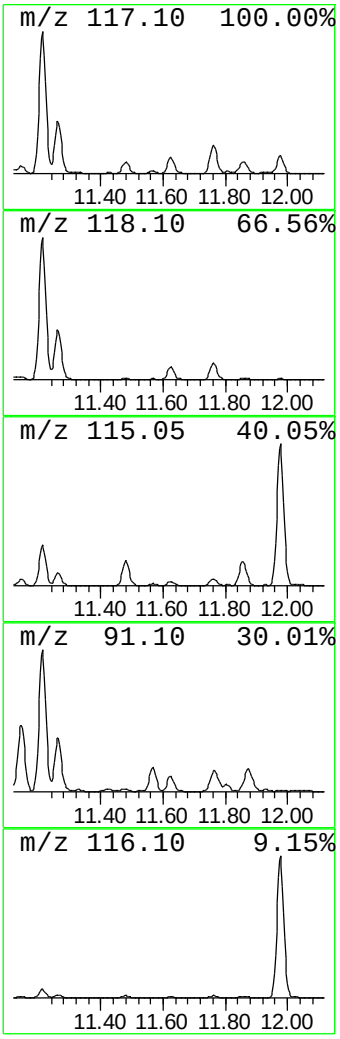
****

Peak Number 9 Benzene, 1-ethenyl-2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	8.23 ug/L	317612	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

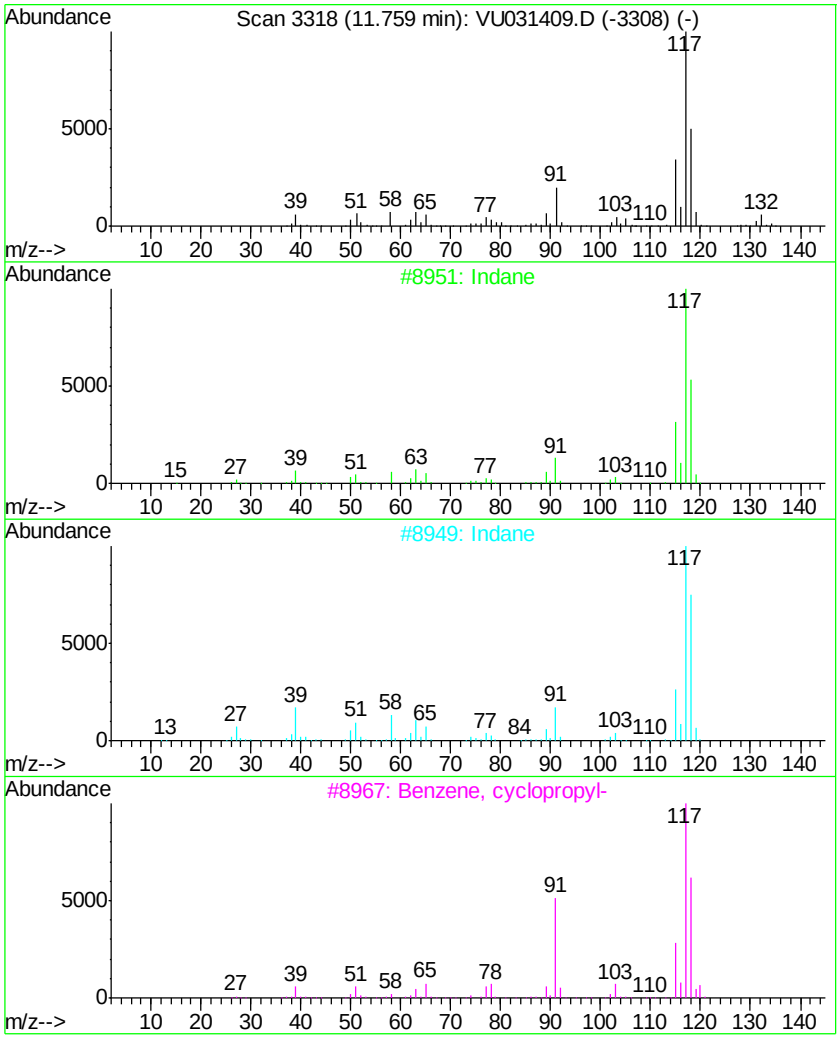
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

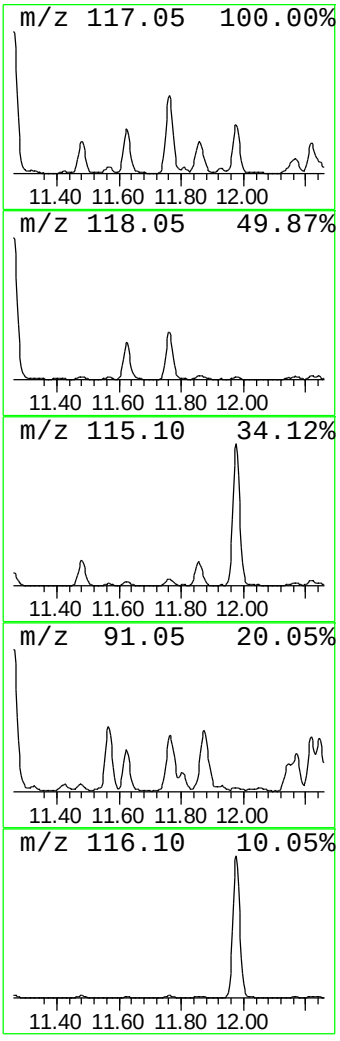
****

Peak Number 10 Indane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	15.50 ug/L	598628	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Indane	118	C9H10	000496-11-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

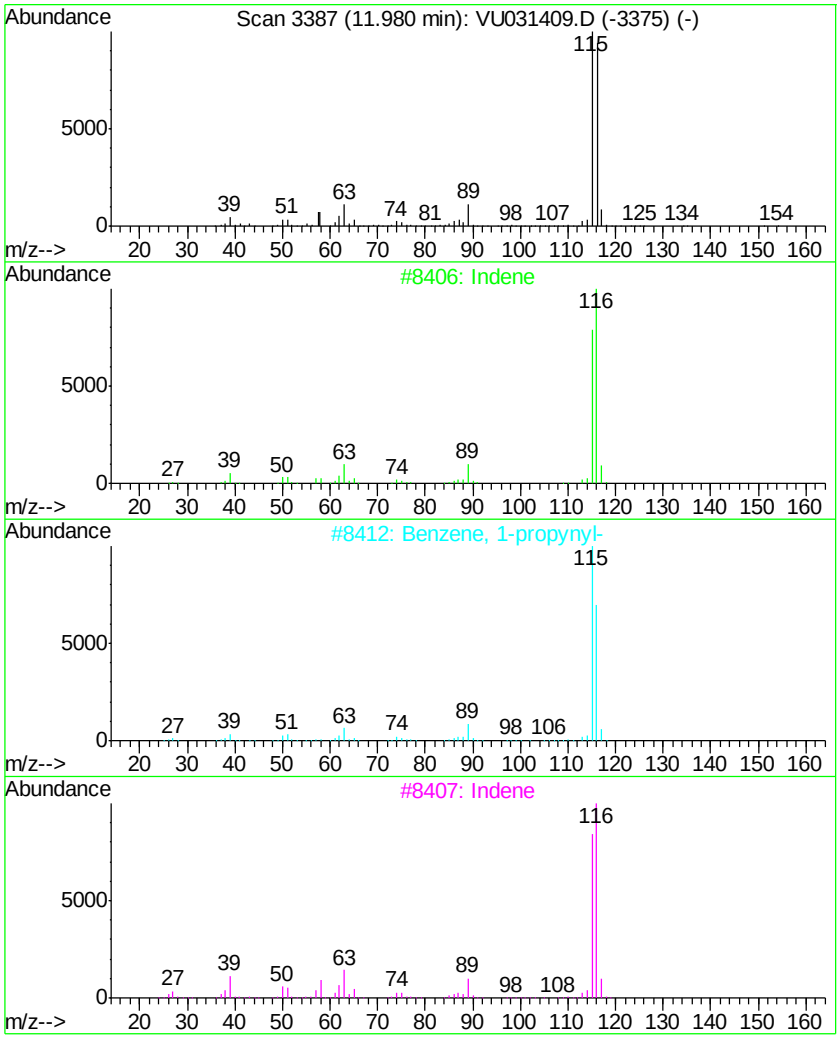
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

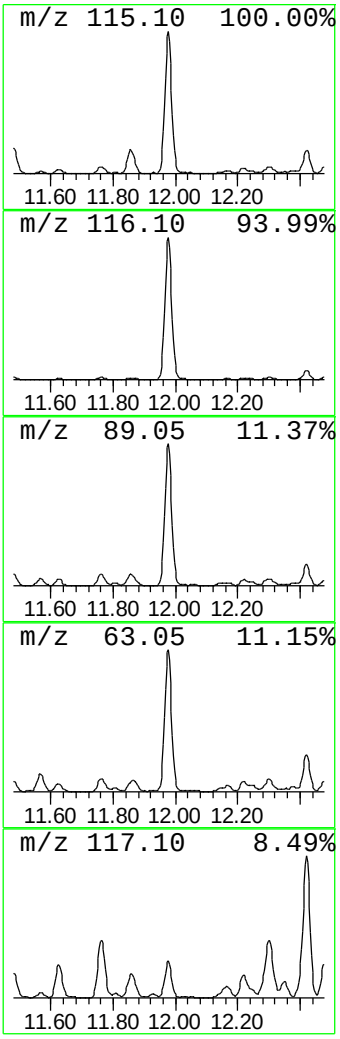
****

Peak Number 11 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	82.33 ug/L	3179120	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

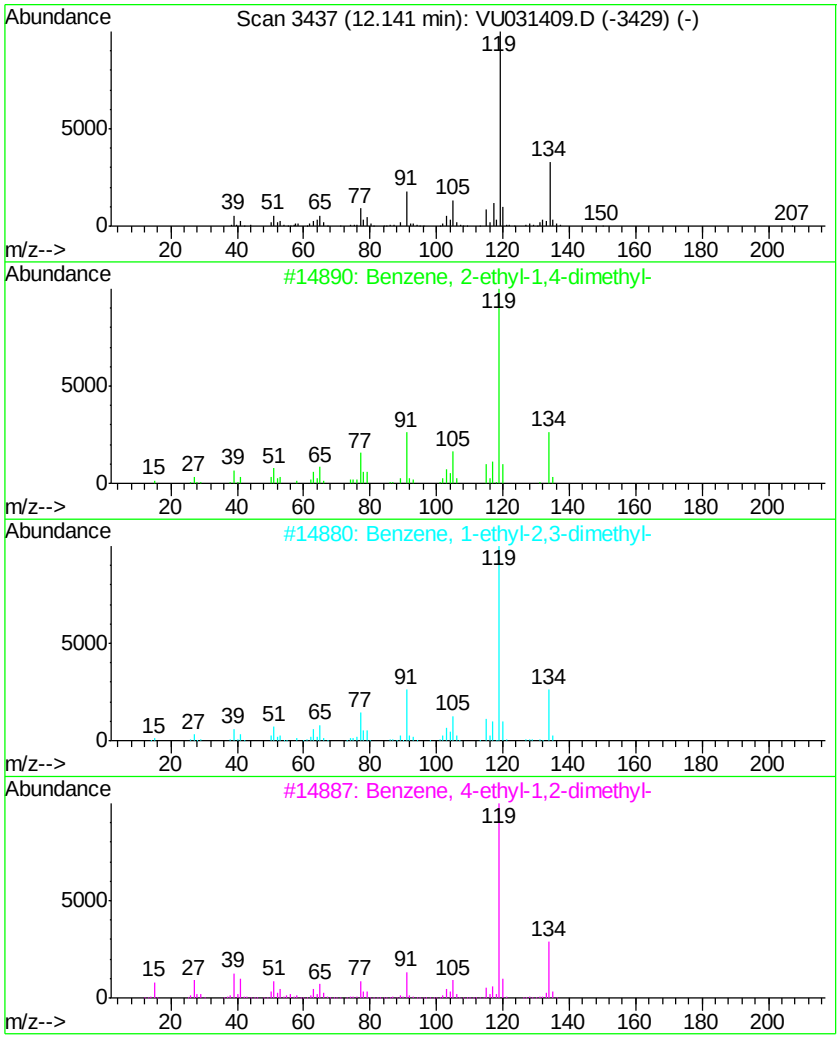
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

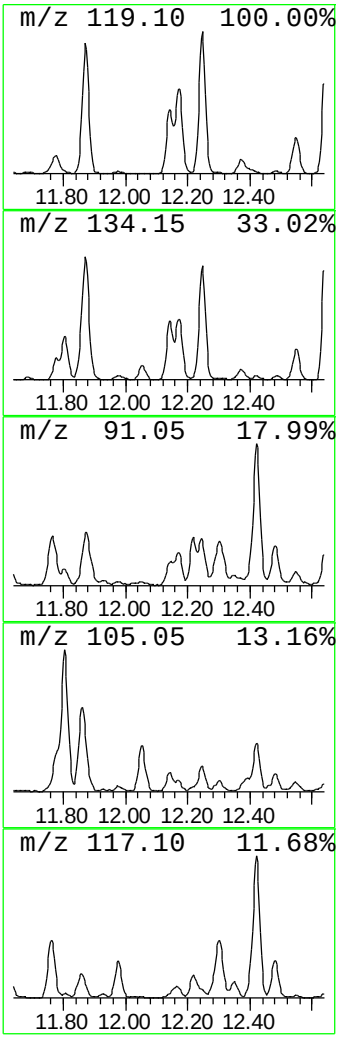
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.50 ug/L	250978	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	p-Cymene	134	C10H14	000099-87-6	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

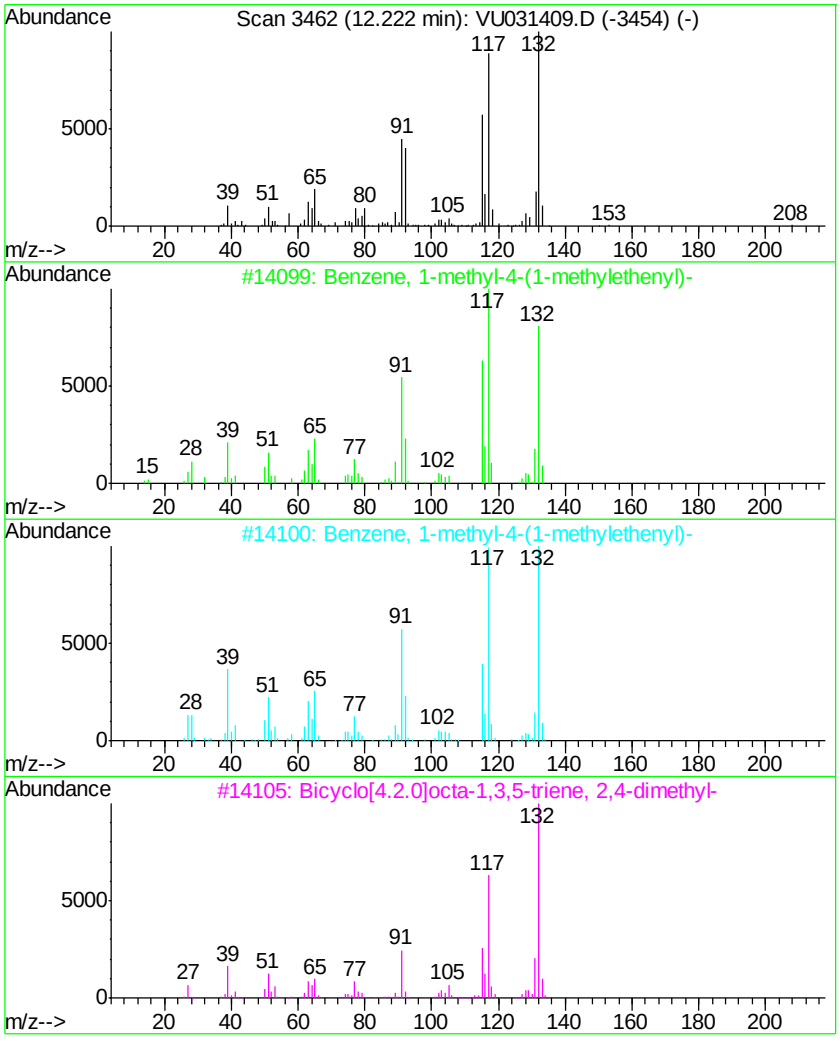
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

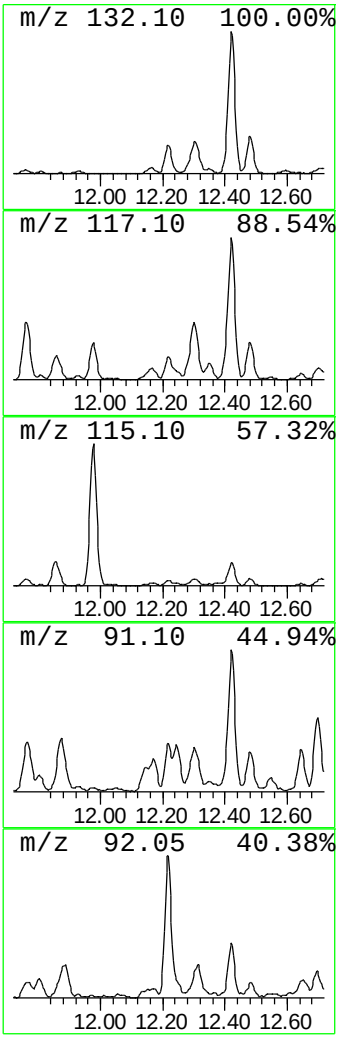
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	8.45 ug/L	326395	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	96
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

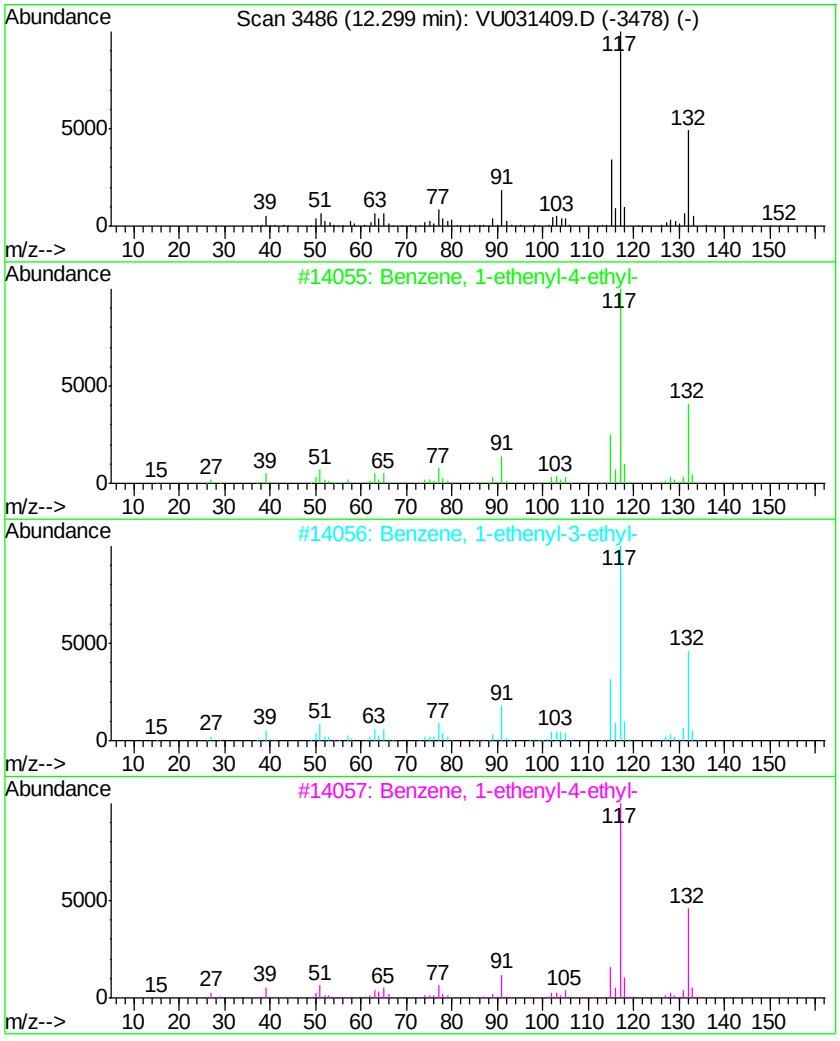
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

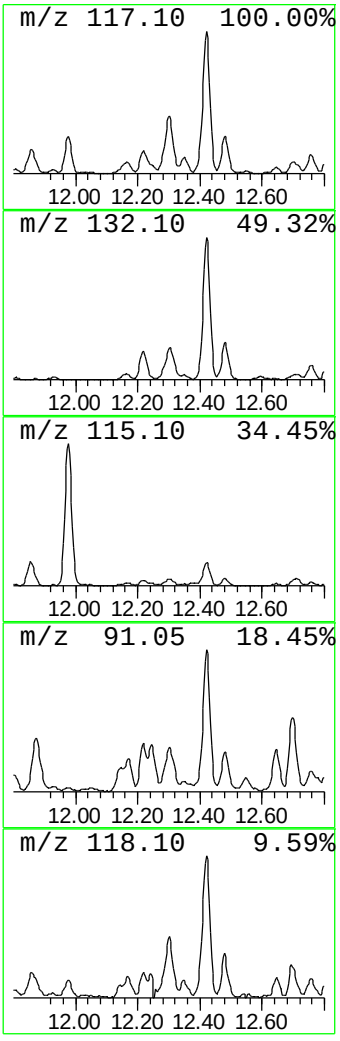
****

Peak Number 14 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	13.50 ug/L	521454	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	97
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

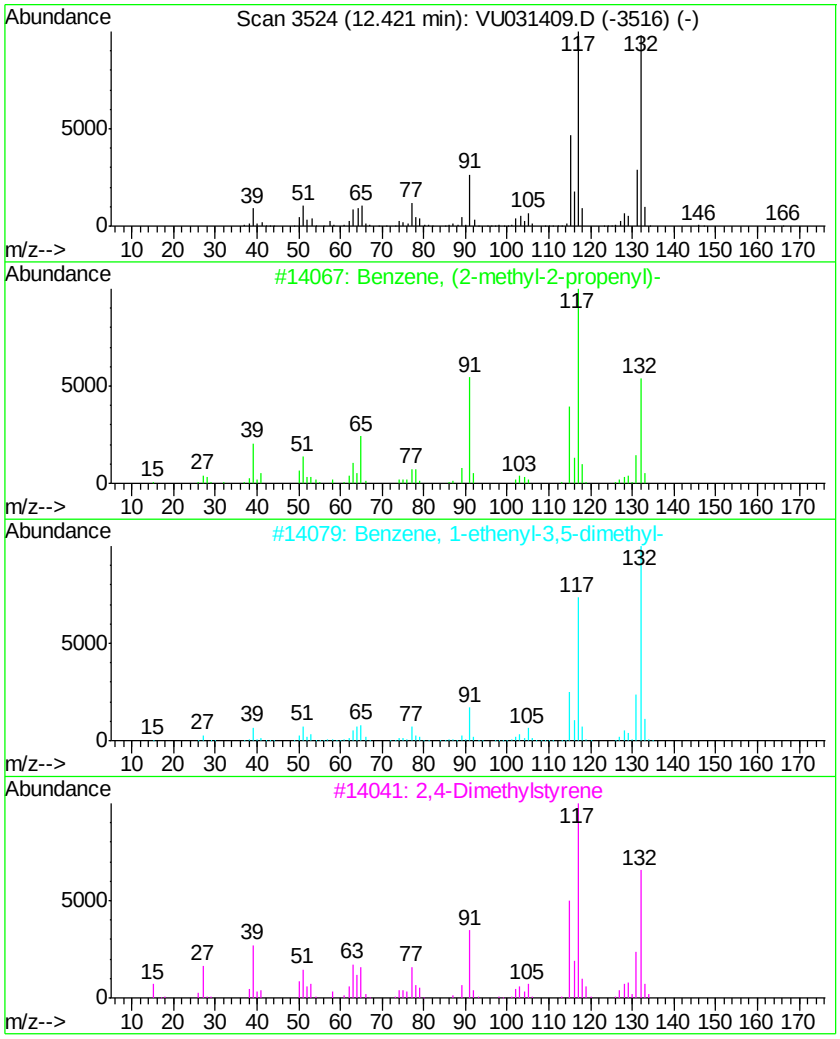
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

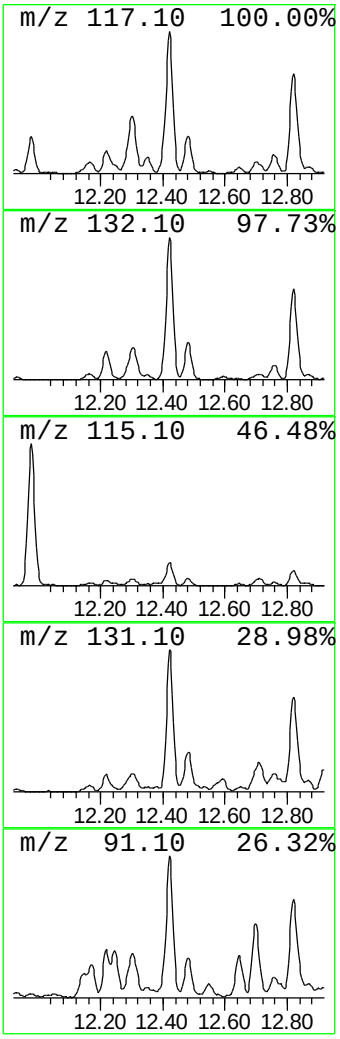
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, (2-methyl-2-propen... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	44.55 ug/L	1720340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
4	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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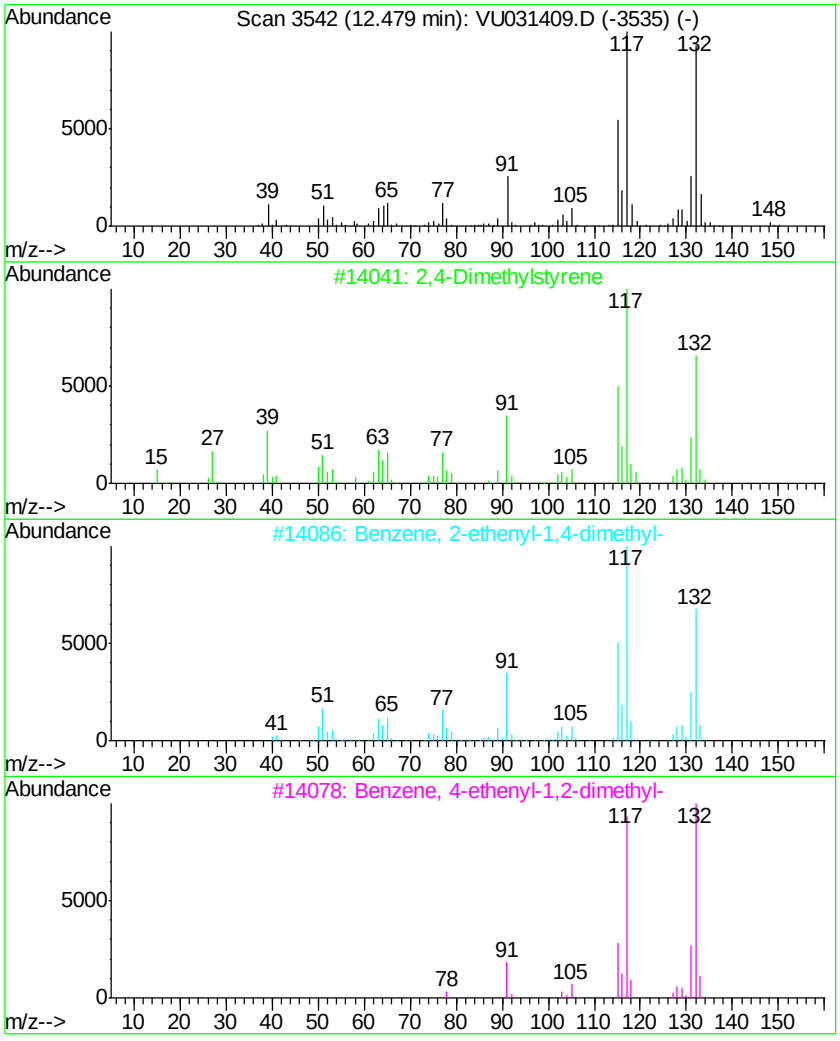
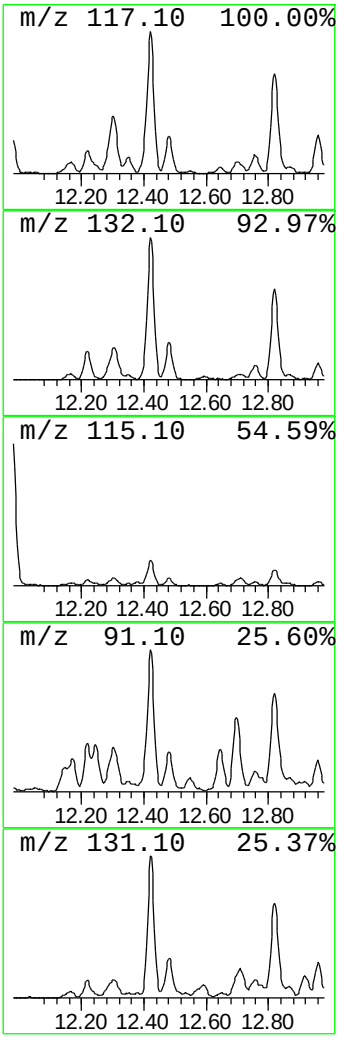
Peak Number 16 2,4-Dimethylstyrene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	12.88 ug/L	497463	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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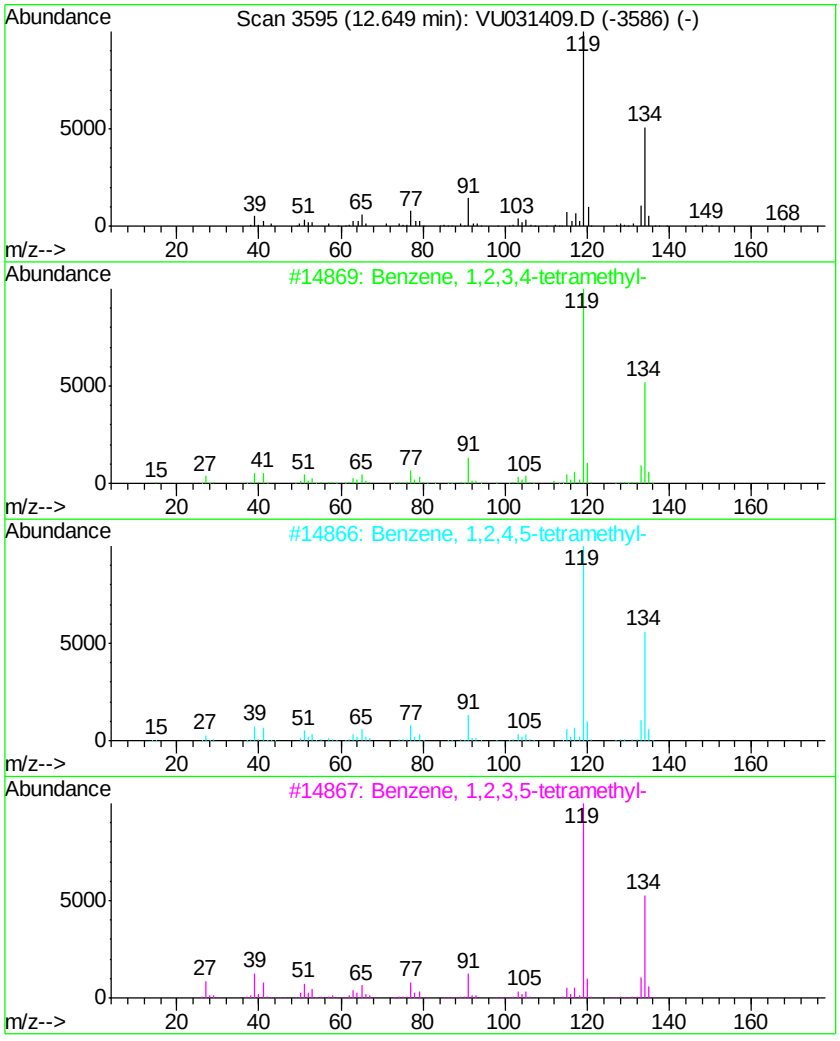
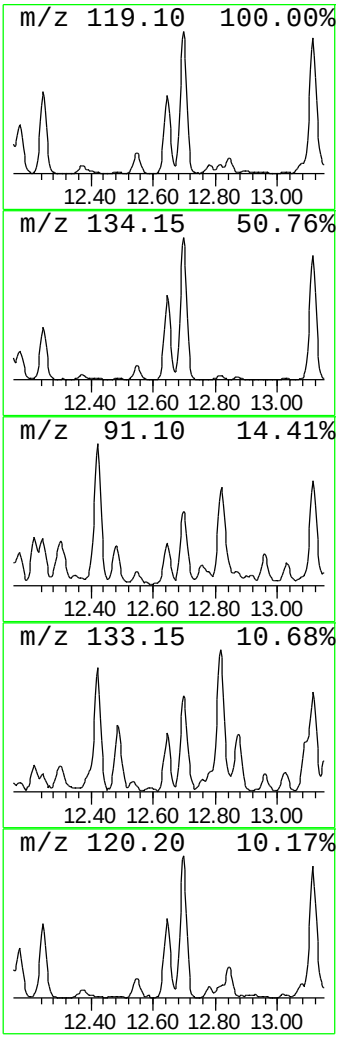
Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	12.12 ug/L	468162	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

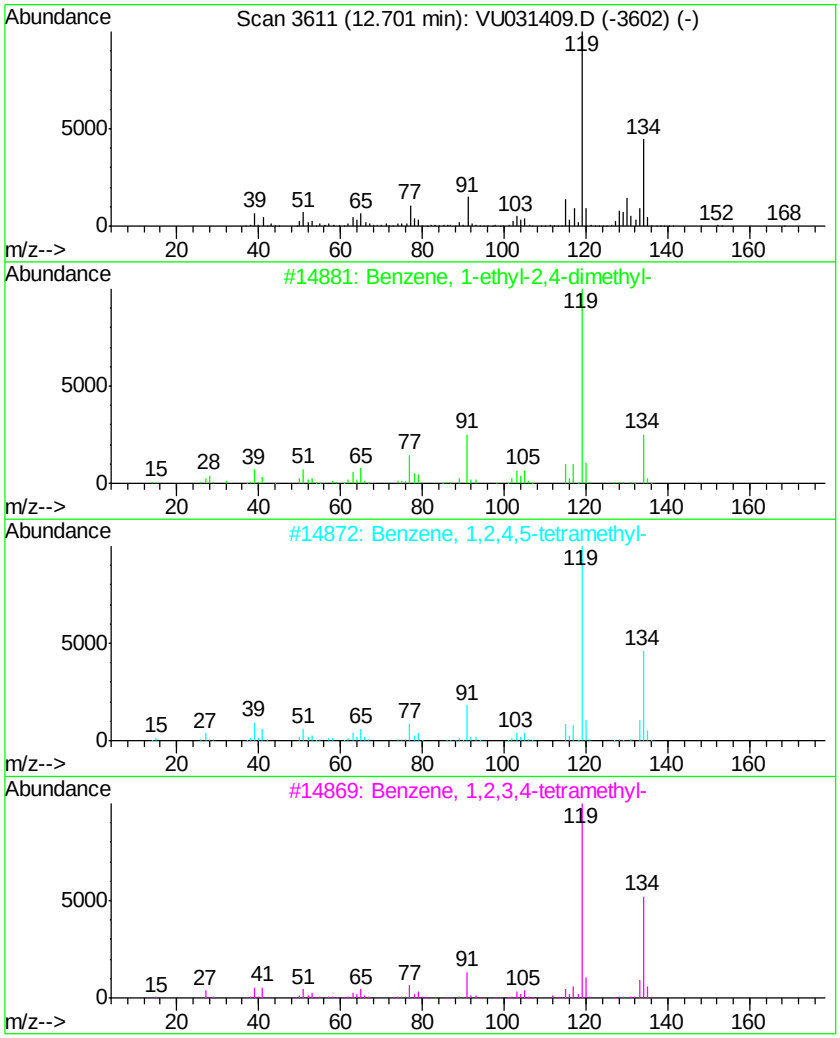
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

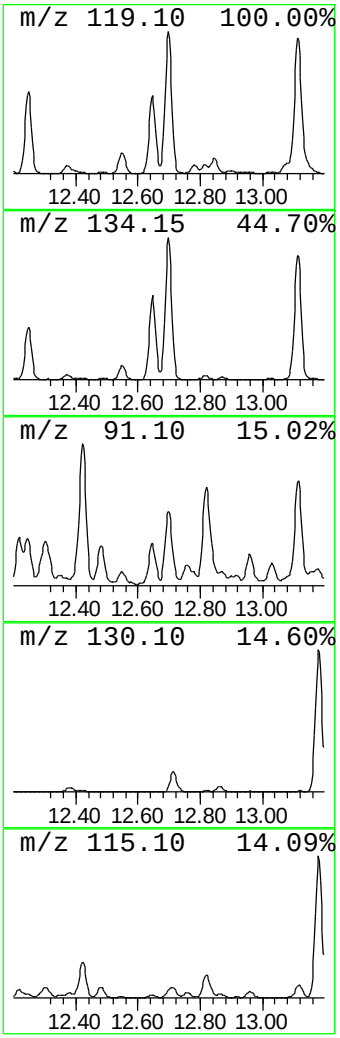
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	36.11 ug/L	1394510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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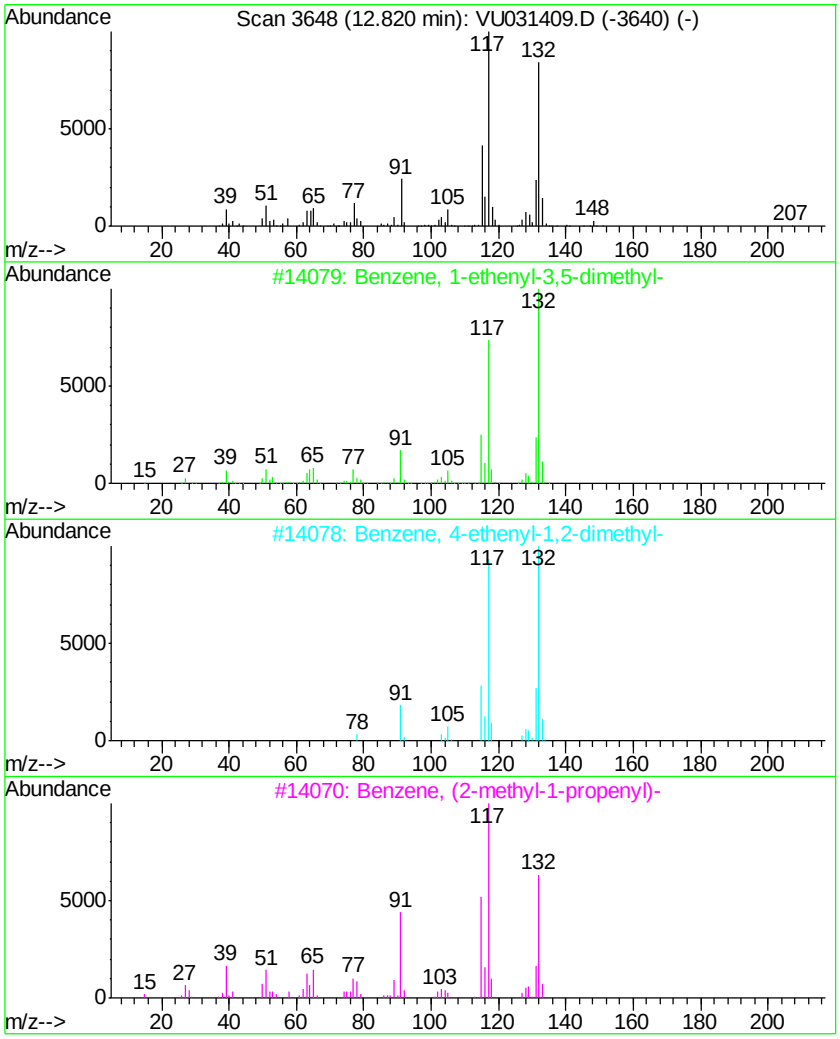
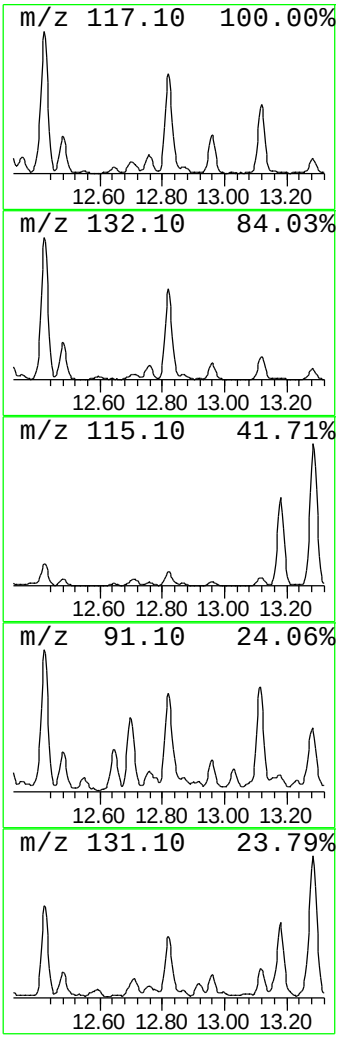
Peak Number 19 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	32.71 ug/L	1263080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

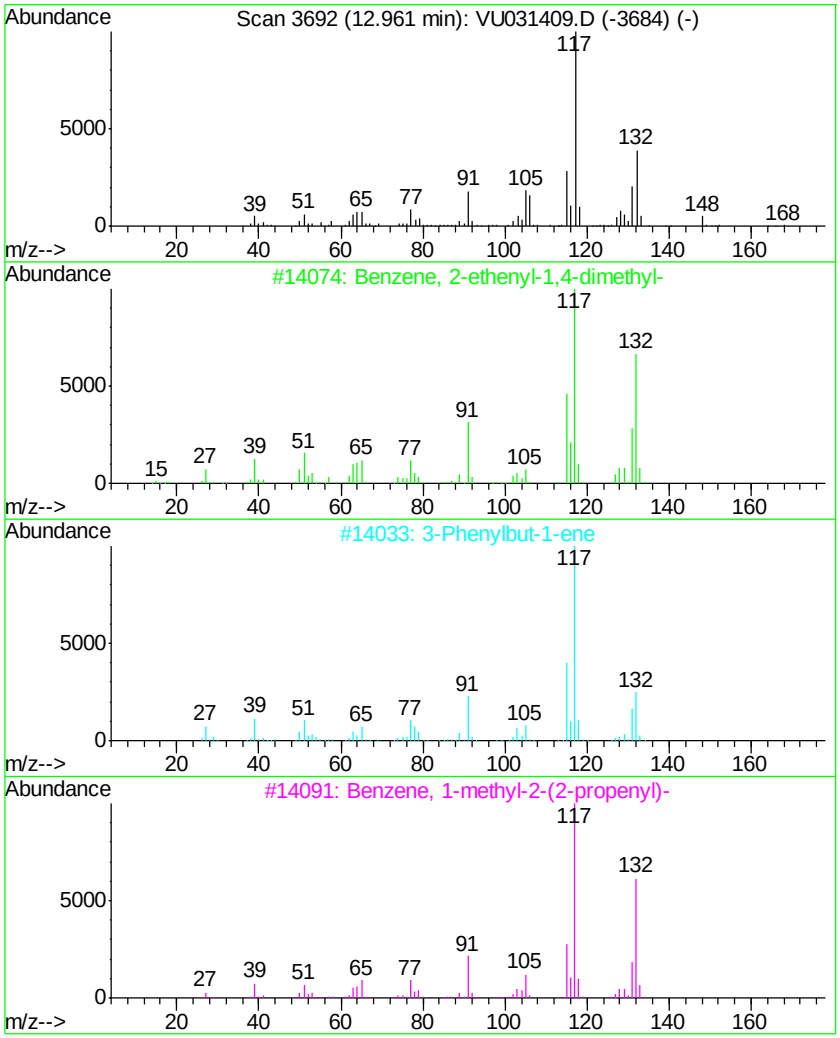
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

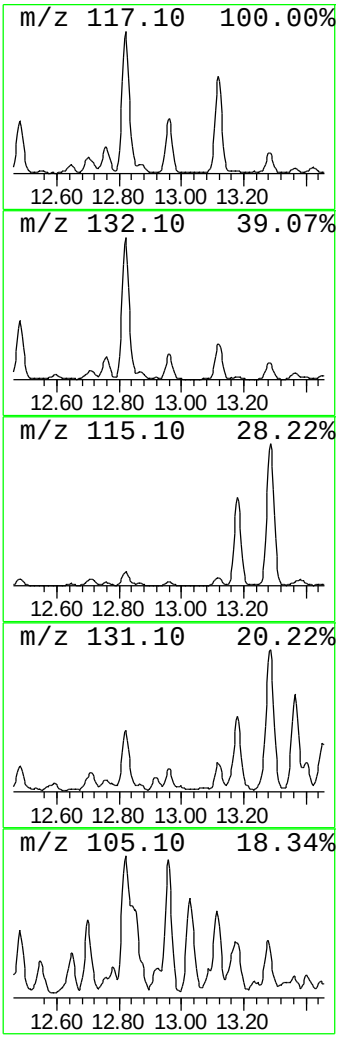
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	9.94 ug/L	383802	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

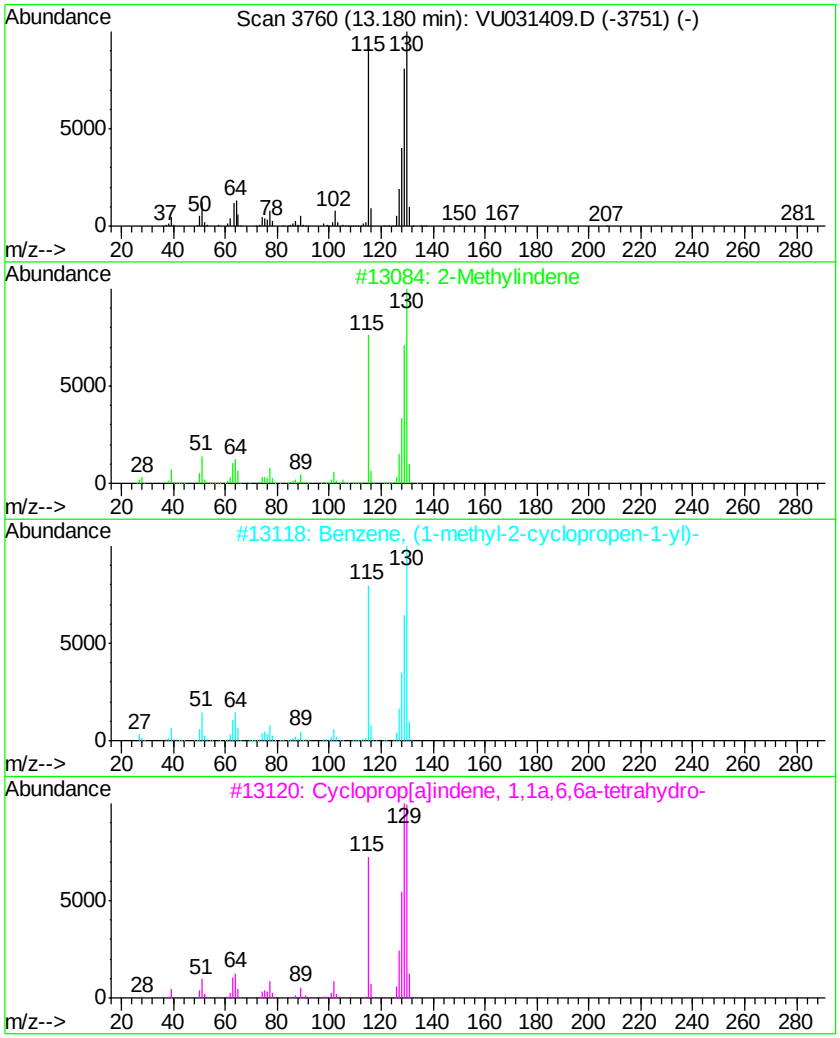
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

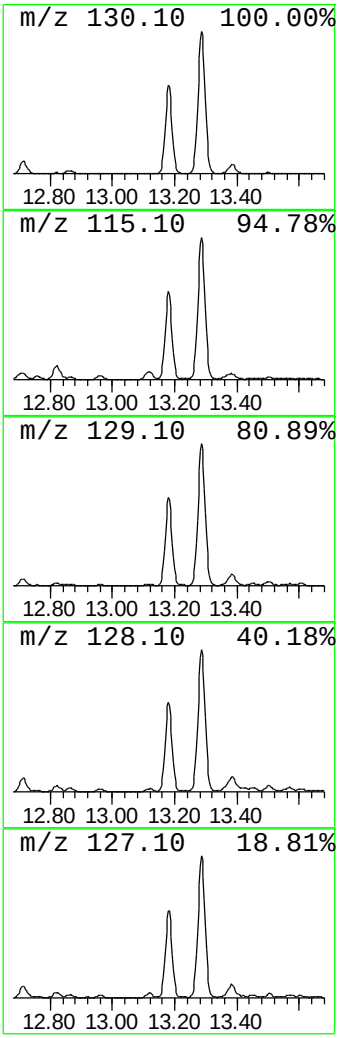
****

Peak Number 22 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	89.40 ug/L	3452110	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	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Library Search Compound Report

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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

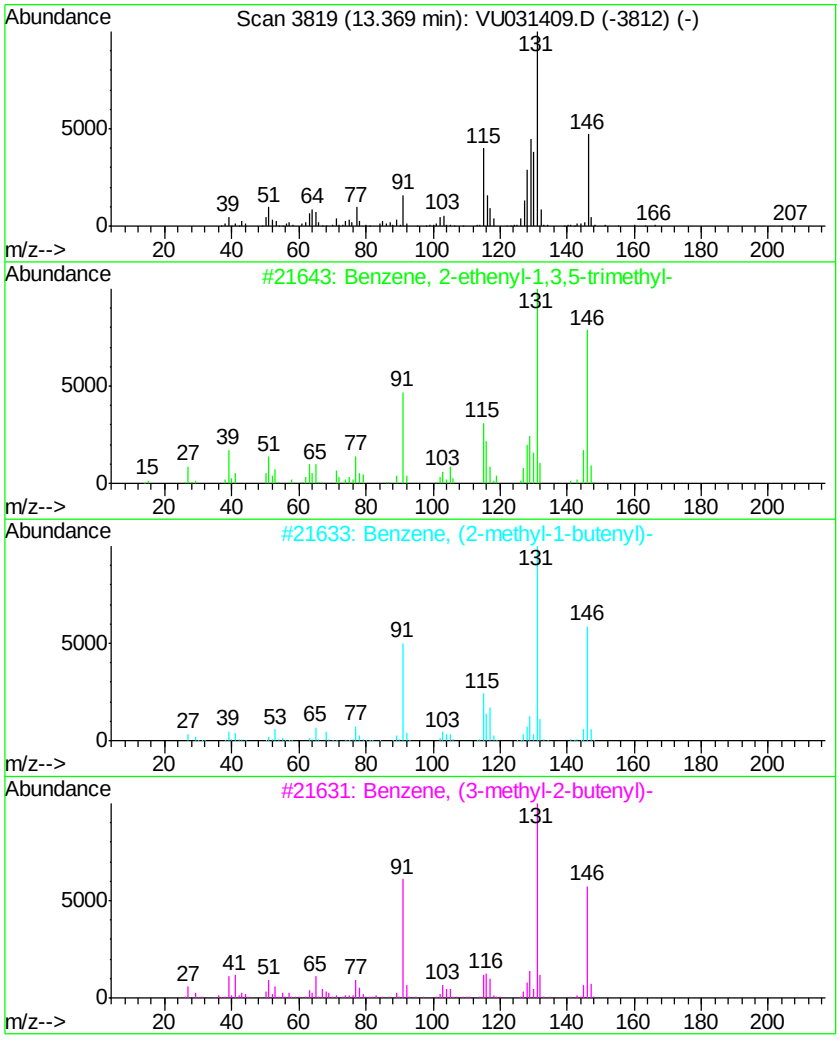
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

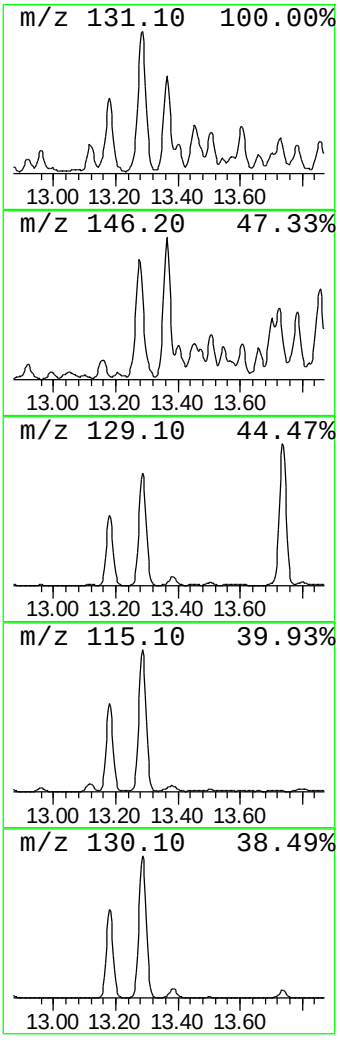
****

Peak Number 24 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	18.88 ug/L	729021	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	68
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	47
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	47
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

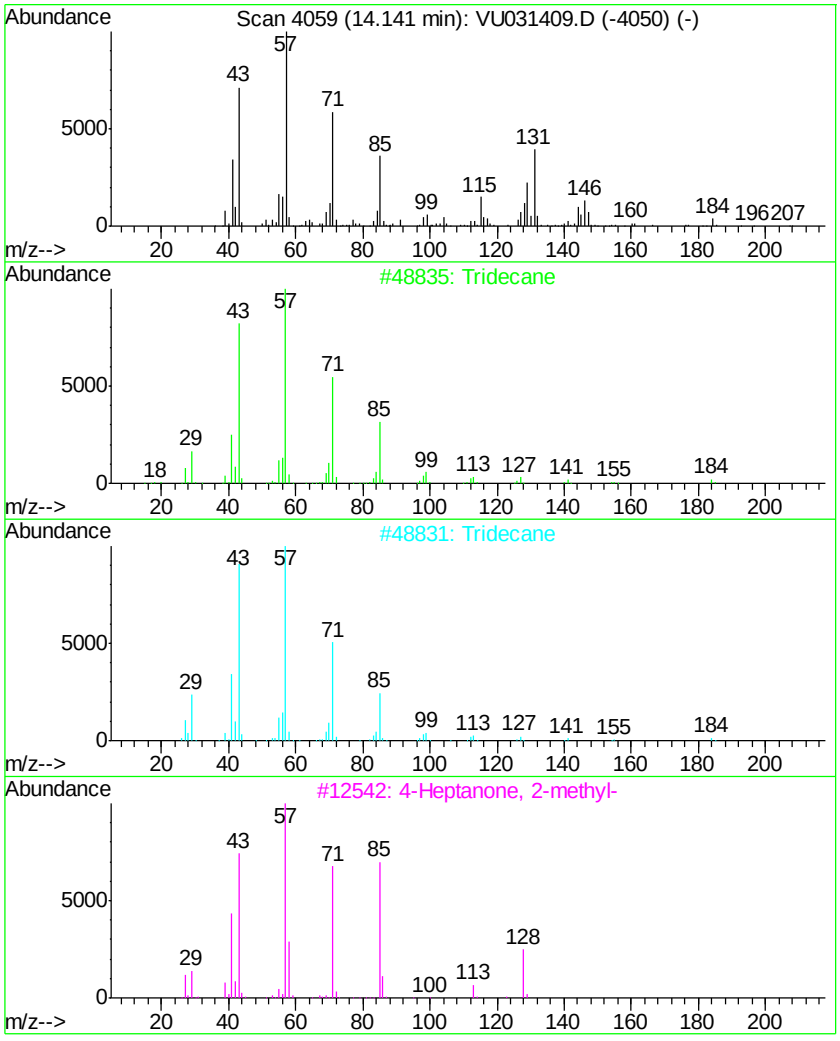
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

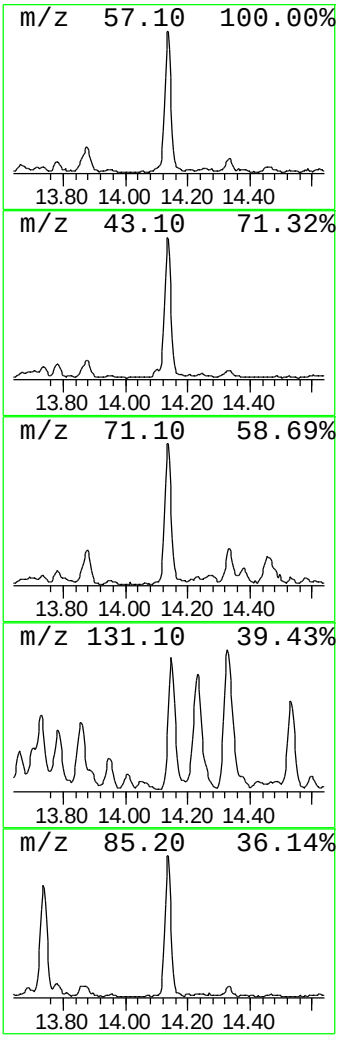
****

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	23.23 ug/L	896950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tridecane	184	C13H28	000629-50-5	55
3	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	49
4	4-Octanone	128	C8H16O	000589-63-9	46
5	4-Octanone	128	C8H16O	000589-63-9	46





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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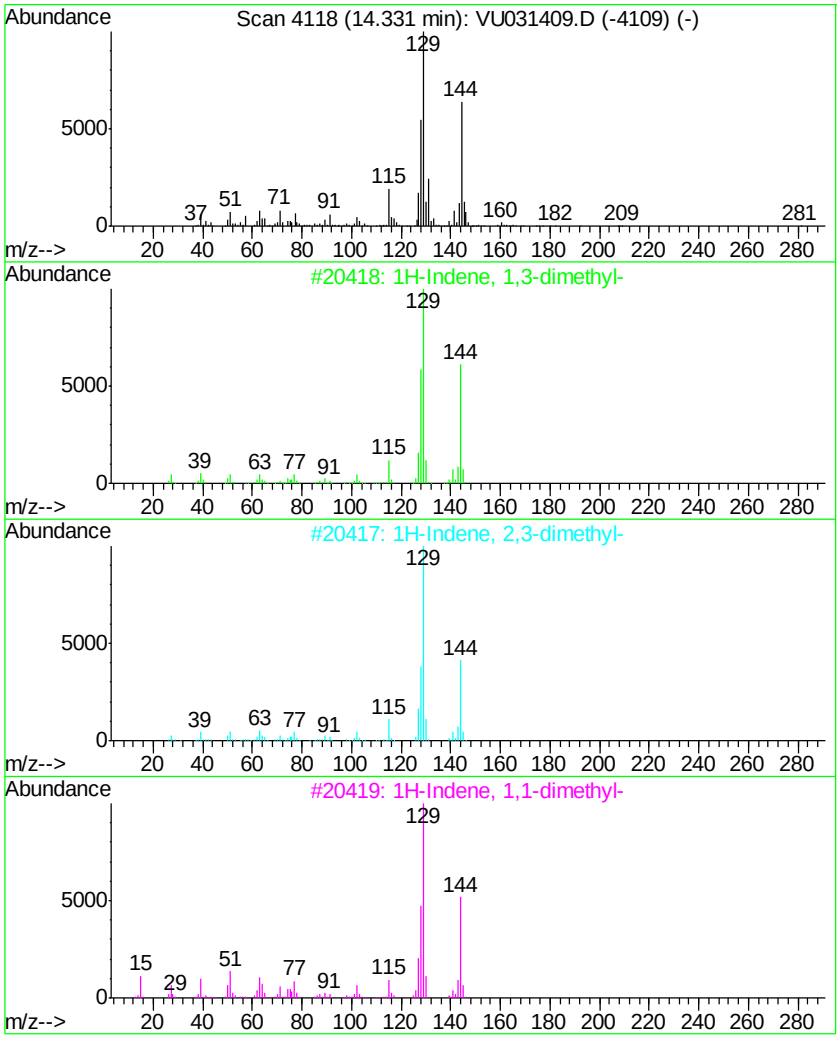
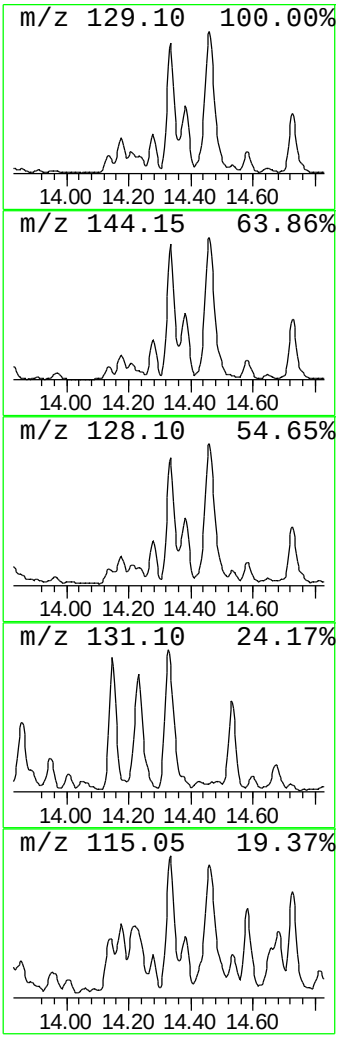
Peak Number 27 1H-Indene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	39.07 ug/L	1508560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	94
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	83





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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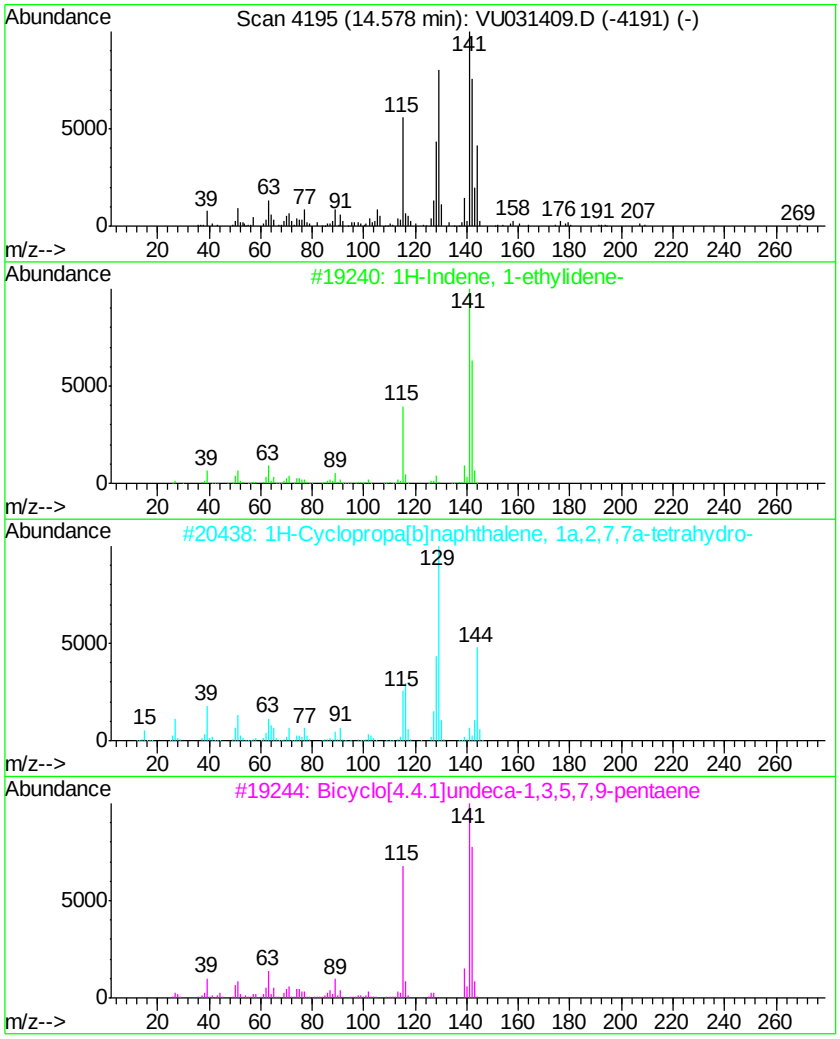
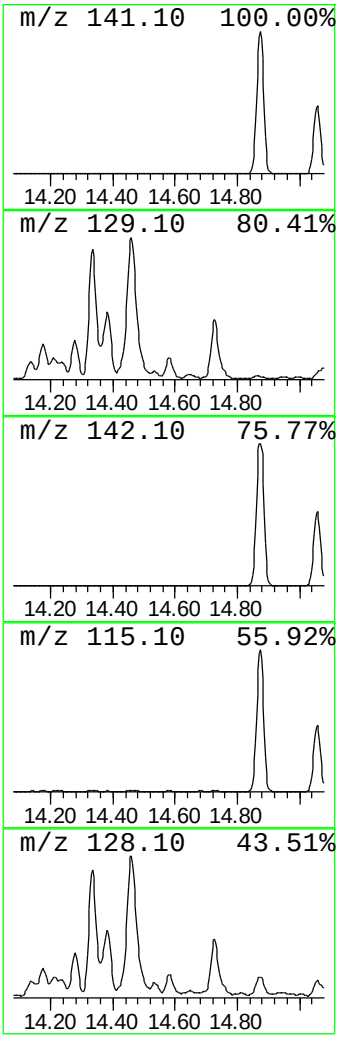
Peak Number 29 1H-Indene, 1-ethylidene- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	9.52 ug/L	367434	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	55
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	50
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	50
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	50





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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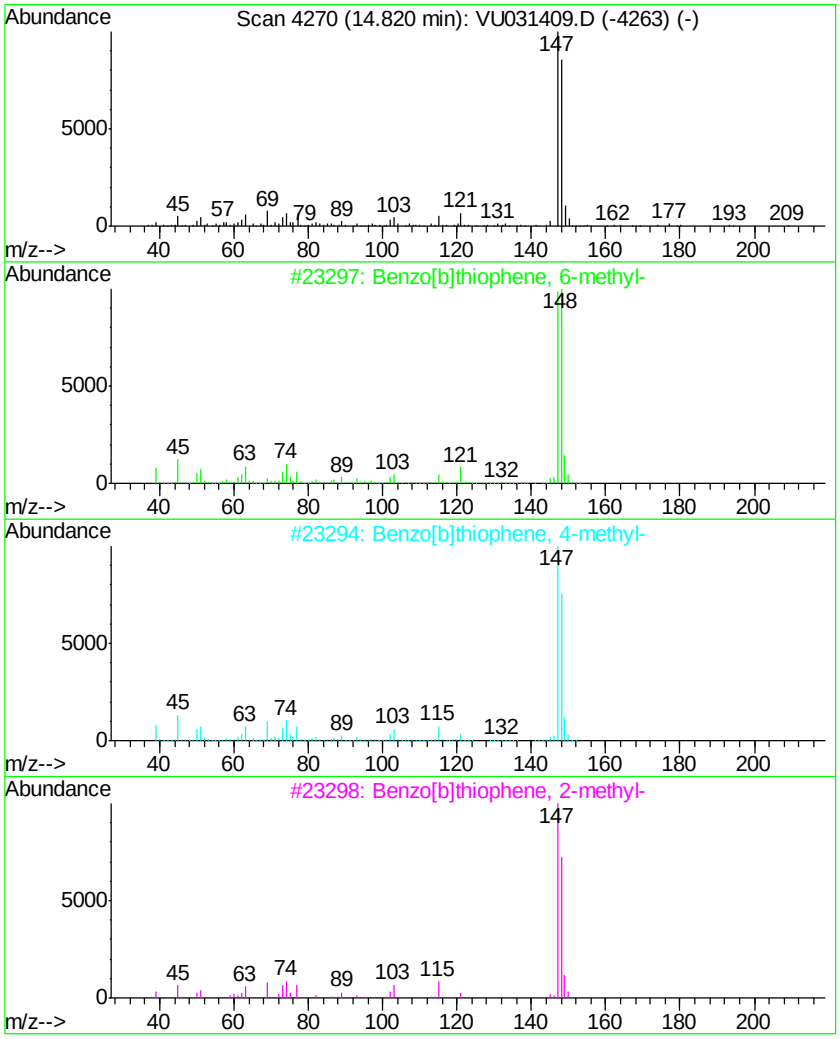
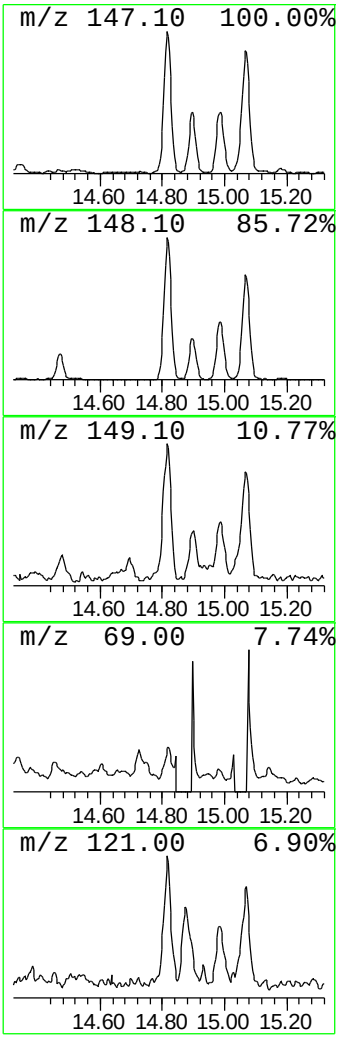
Peak Number 31 Benzo[b]thiophene, 6-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	7.65 ug/L	295481	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91





Library Search Compound Report

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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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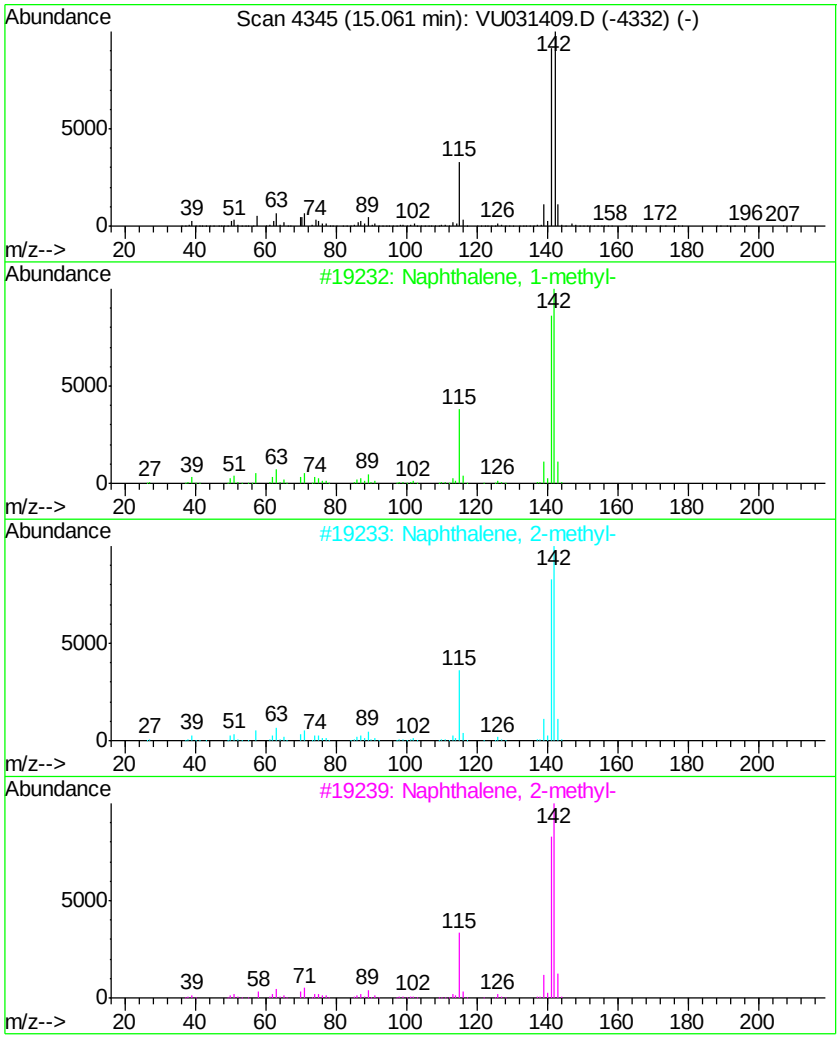
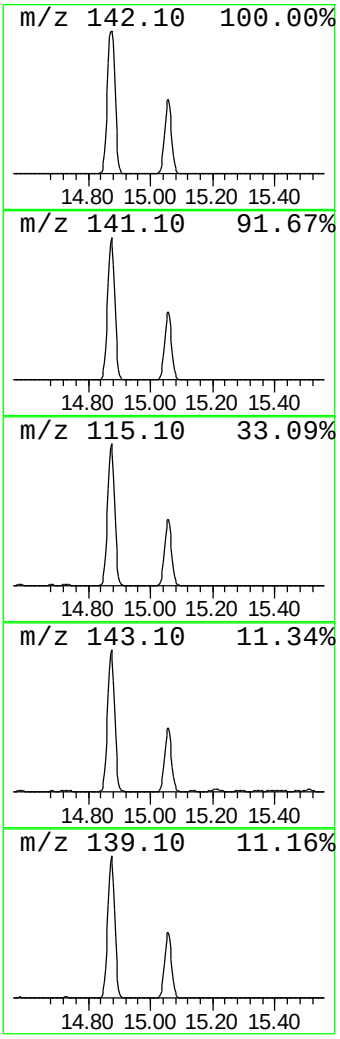
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	603.46 ug/L	23302200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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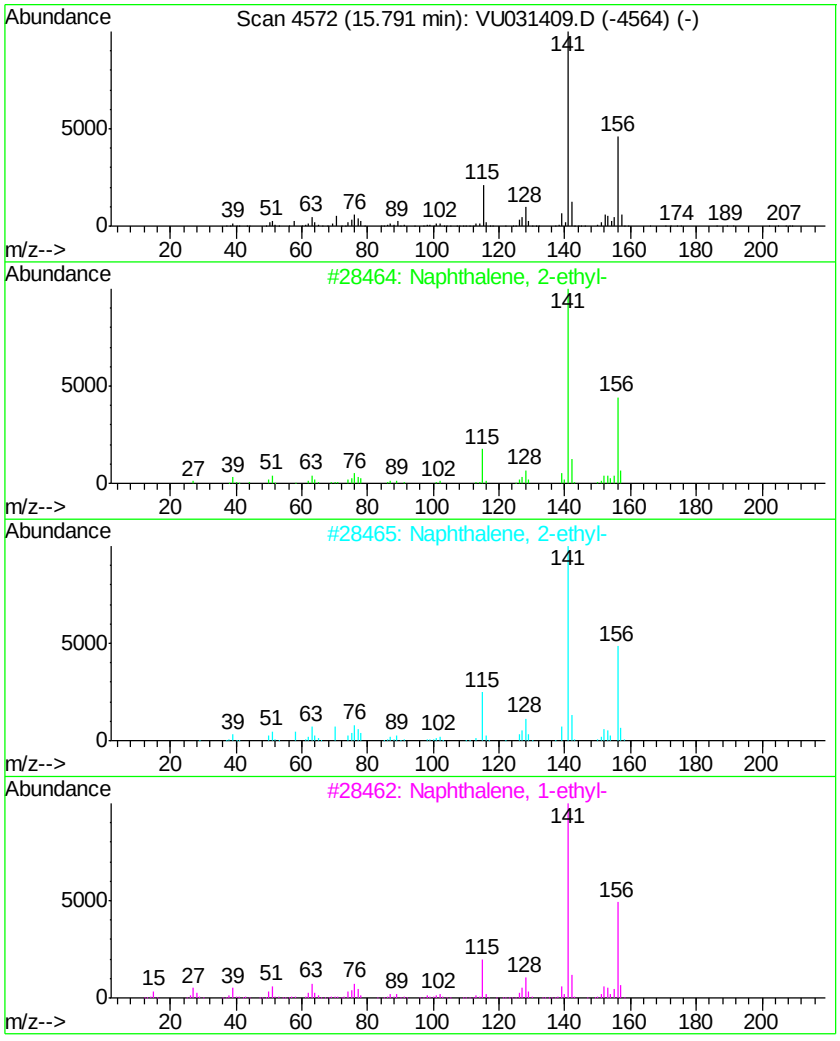
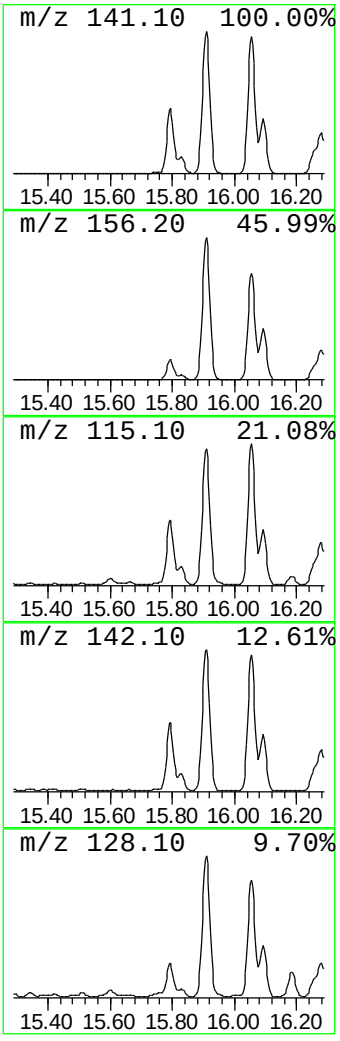
Peak Number 35 Naphthalene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	73.45 ug/L	2836300	1,4-Dichlorobenzene-d4	11.48

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





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Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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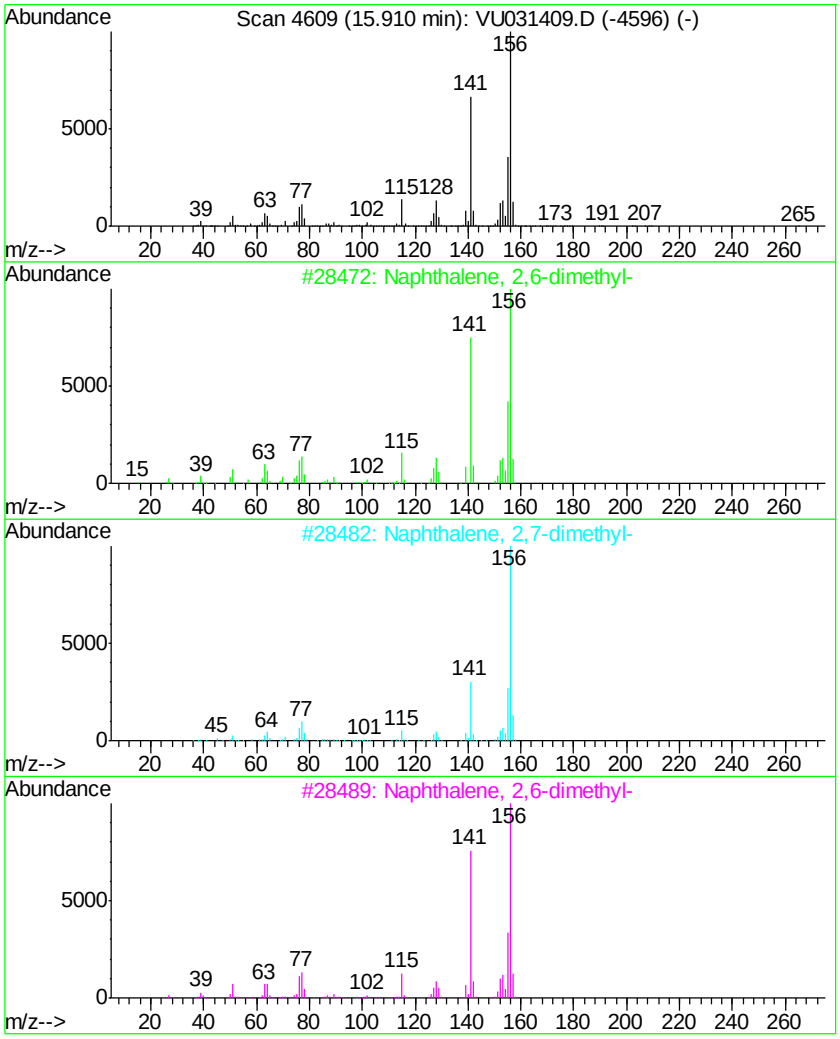
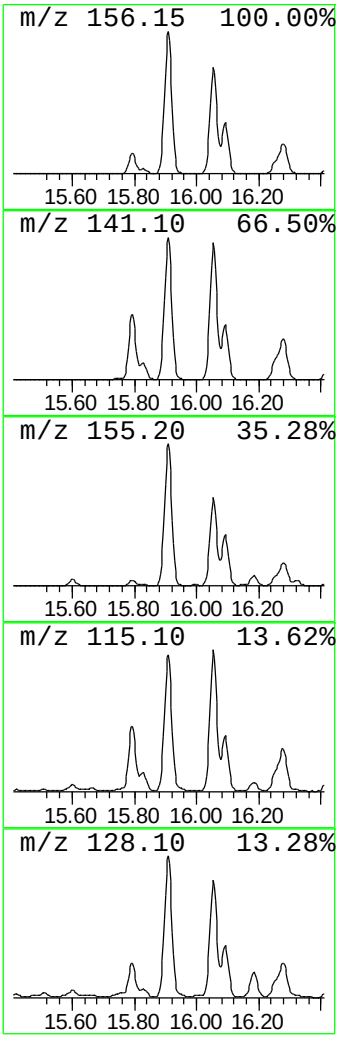
Peak Number 36 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	376.69 ug/L	14545800	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

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Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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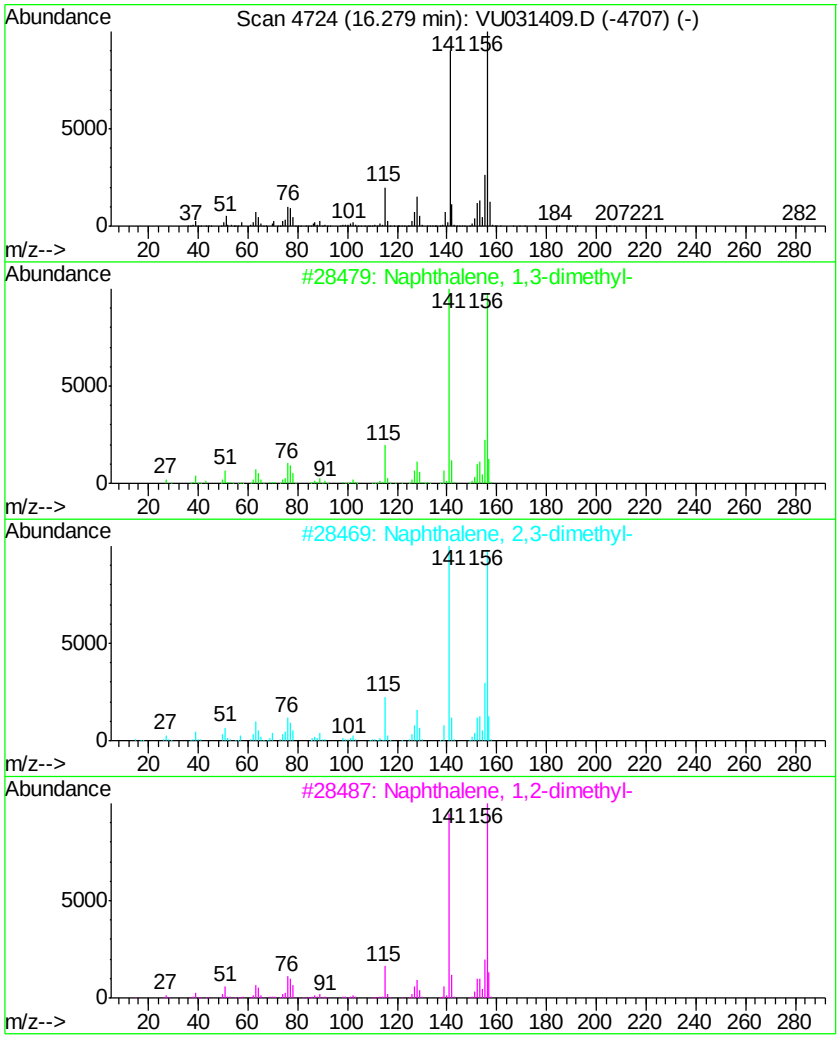
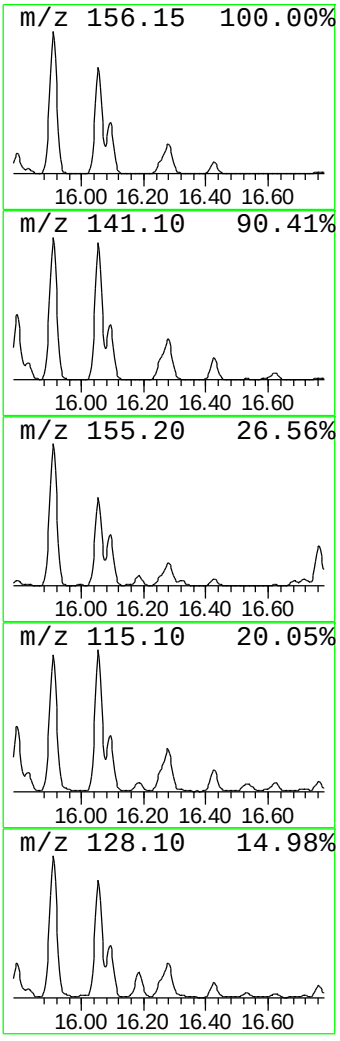
Peak Number 39 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	124.62 ug/L	4812260	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

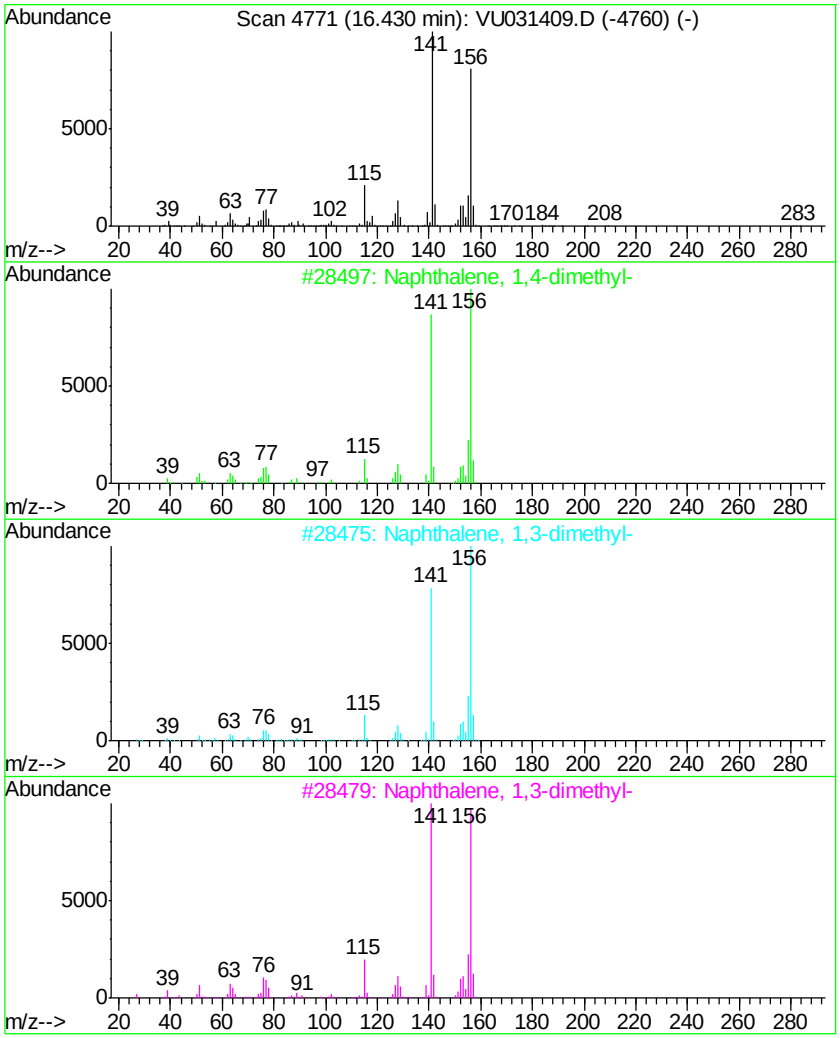
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

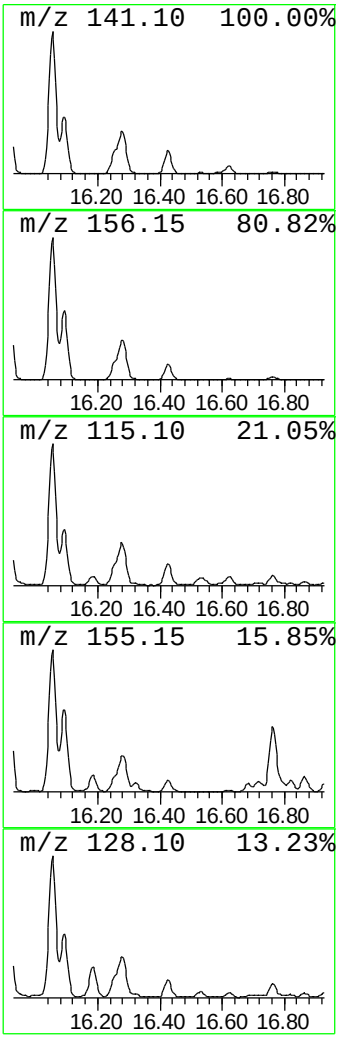
****

Peak Number 40 Naphthalene, 1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	36.66 ug/L	1415680	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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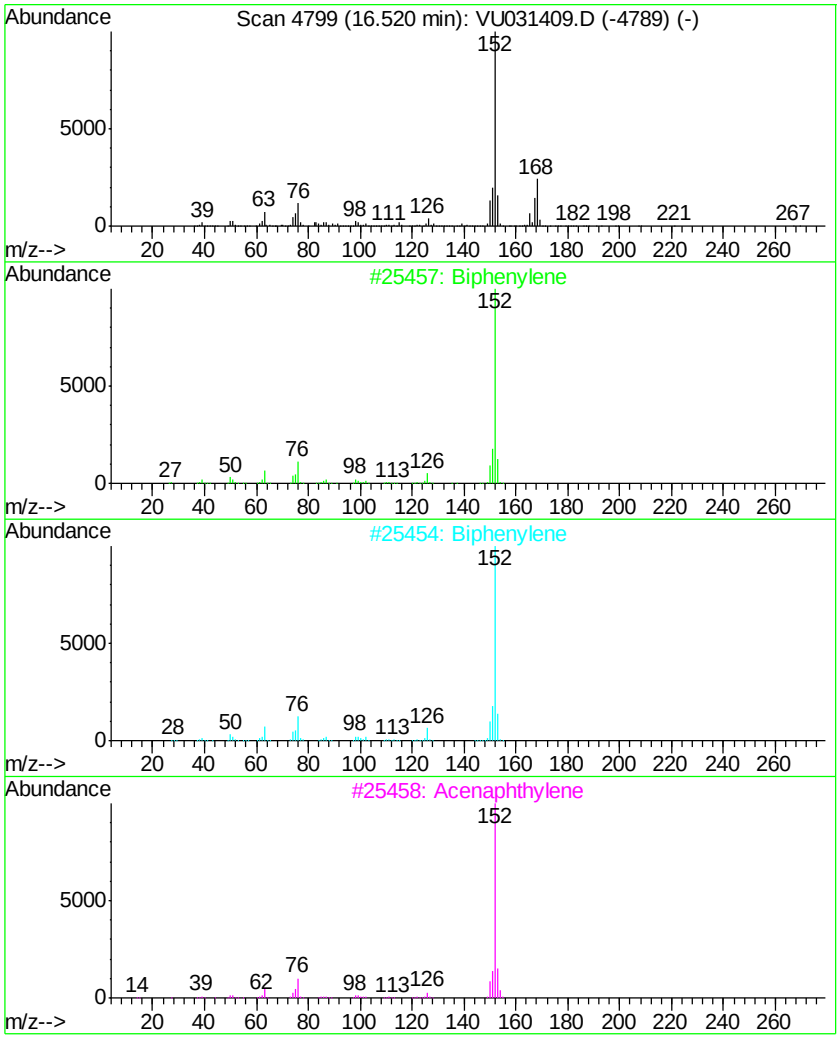
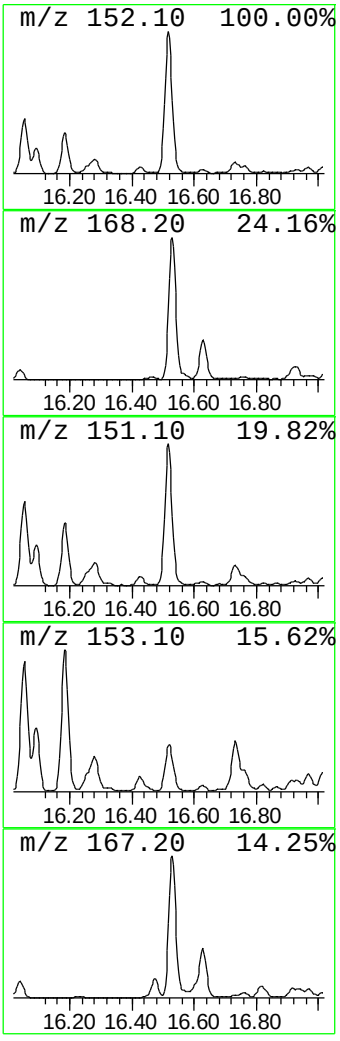
Peak Number 41 Biphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	74.43 ug/L	2874000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	92
2	Biphenylene	152	C12H8	000259-79-0	89
3	Acenaphthylene	152	C12H8	000208-96-8	76
4	Acenaphthylene	152	C12H8	000208-96-8	70
5	Biphenylene	152	C12H8	000259-79-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

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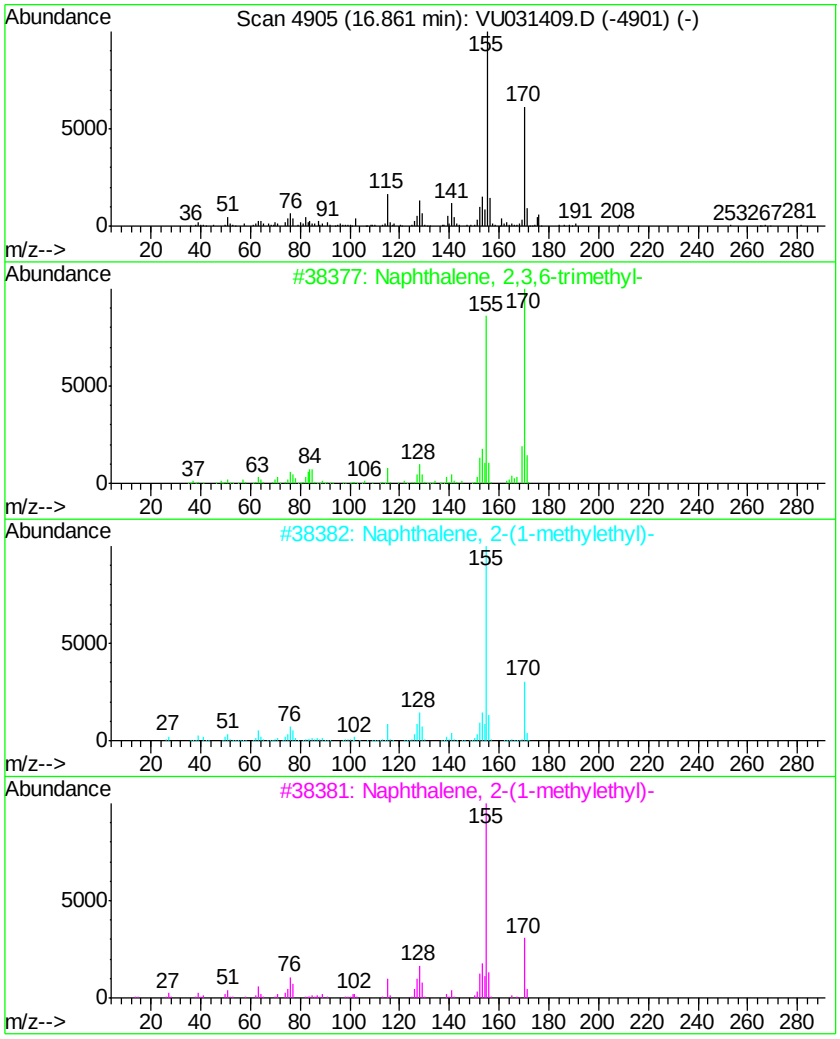
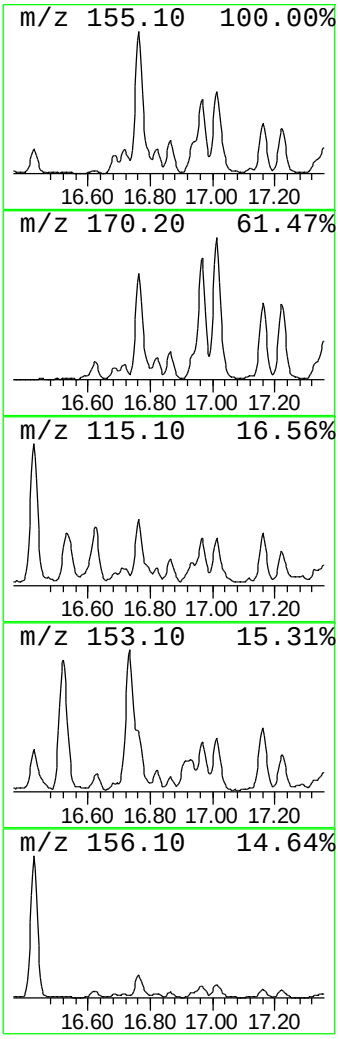
Peak Number 42 Naphthalene, 2,3,6-trimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	5.79 ug/L	223521	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	83
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	80
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	74
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	72
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042319\
Data File : VU031409.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHR1DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.68	28.9	ug/L	1114310	3	11.48	1930720	50.0
Benzene, 1,2,3-tr...	10.77	24.3	ug/L	936993	3	11.48	1930720	50.0
Benzene, 1-ethyl-...	10.97	9.3	ug/L	360445	3	11.48	1930720	50.0
Benzene, 1-etheny...	11.21	76.2	ug/L	2941220	3	11.48	1930720	50.0
Benzene, 1-etheny...	11.26	25.9	ug/L	1002200	3	11.48	1930720	50.0
Benzene, 1-etheny...	11.62	8.2	ug/L	317612	3	11.48	1930720	50.0
Indane	11.76	15.5	ug/L	598628	3	11.48	1930720	50.0
Indene	11.98	82.3	ug/L	3179120	3	11.48	1930720	50.0
Benzene, 2-ethyl-...	12.14	6.5	ug/L	250978	3	11.48	1930720	50.0
Benzene, 1-methyl...	12.22	8.4	ug/L	326395	3	11.48	1930720	50.0
Benzene, 1-etheny...	12.30	13.5	ug/L	521454	3	11.48	1930720	50.0
Benzene, (2-methy...	12.42	44.5	ug/L	1720340	3	11.48	1930720	50.0
2,4-Dimethylstyrene	12.48	12.9	ug/L	497463	3	11.48	1930720	50.0
Benzene, 1,2,3,4-...	12.65	12.1	ug/L	468162	3	11.48	1930720	50.0
Benzene, 1-ethyl-...	12.70	36.1	ug/L	1394510	3	11.48	1930720	50.0
Benzene, 1-etheny...	12.82	32.7	ug/L	1263080	3	11.48	1930720	50.0
Benzene, 2-etheny...	12.96	9.9	ug/L	383802	3	11.48	1930720	50.0
2-Methylindene	13.18	89.4	ug/L	3452110	3	11.48	1930720	50.0
Benzene, 2-etheny...	13.37	18.9	ug/L	729021	3	11.48	1930720	50.0
(DEL) Alkane: Str...	14.14	23.2	ug/L	896950	3	11.48	1930720	50.0
1H-Indene, 1,3-di...	14.33	39.1	ug/L	1508560	3	11.48	1930720	50.0
1H-Indene, 1-ethy...	14.58	9.5	ug/L	367434	3	11.48	1930720	50.0
Benzo[b]thiophene...	14.82	7.7	ug/L	295481	3	11.48	1930720	50.0
Naphthalene, 1-me...	15.06	603.5	ug/L	23302200	3	11.48	1930720	50.0
Naphthalene, 2-et...	15.79	73.5	ug/L	2836300	3	11.48	1930720	50.0
Naphthalene, 2,6-...	15.91	376.7	ug/L	14545800	3	11.48	1930720	50.0
Naphthalene, 1,3-...	16.28	124.6	ug/L	4812260	3	11.48	1930720	50.0
Naphthalene, 1,4-...	16.43	36.7	ug/L	1415680	3	11.48	1930720	50.0
Biphenylene	16.52	74.4	ug/L	2874000	3	11.48	1930720	50.0
Naphthalene, 2,3,...	16.86	5.8	ug/L	223521	3	11.48	1930720	50.0