LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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	23	28	39	rVB2	15976	18654	0.01%	0.003%
2	1.396	88	95	112	rVB	239855	345261	0.18%	0.063%
3	1.679	176	183	198	rBV	156771	280983	0.14%	0.051%
4	2.241	348	358	388	rVB	510925	881216	0.45%	0.161%
5	2.595	463	468	471	rBV4	1737	1644	0.00%	0.000%
6	2.656	483	487	488	rBV3	1132	776	0.00%	0.000%
7	2.685	490	496	499	rBV6	3157	4052	0.00%	0.001%
8	2.897	560	562	565	rVB3	1629	780	0.00%	0.000%
9	3.132	630	635	638	rBV2	1087	855	0.00%	0.000%
10	3.177	646	649	653	rBV	813	700	0.00%	0.000%
11	3.212	657	660	664	rVV4	984	794	0.00%	0.000%
12	3.280	671	681	689	rVB5	1517	2281	0.00%	0.000%
13	4.074	924	928	933	rVB5	645	653	0.00%	0.000%
14	4.209	957	970	1024	rBV	108193	610961	0.31%	0.112%
15	4.643	1087	1105	1141	rBV	341428	940882	0.48%	0.172%
16	4.794	1150	1152	1156	rVB4	1216	890	0.00%	0.000%
17	4.881	1175	1179	1188	rBV8	2181	3256	0.00%	0.001%
18	4.955	1195	1202	1203	rBV4	1144	1166	0.00%	0.000%
19	4.981	1205	1210	1218	rVB7	2235	3130	0.00%	0.001%
20	5.158	1263	1265	1272	rVB3	1045	837	0.00%	0.000%
21	5.196	1272	1277	1281	rBV2	1252	1362	0.00%	0.000%
22	5.328	1295	1318	1357	rBV4	874848	2535886	1.29%	0.464%
23	5.624	1399	1410	1412	rBV8	3486	5335	0.00%	0.001%
24	5.830	1470	1474	1476	rBV3	1205	919	0.00%	0.000%
25	5.881	1476	1490	1539	rVV	743801	1750982	0.89%	0.320%
26	6.170	1572	1580	1581	rBV4	10295	8923	0.00%	0.002%
27	6.328	1615	1629	1665	rVB	483258	1129942	0.57%	0.207%
28	6.473	1669	1674	1675	rBV4	2147	1642	0.00%	0.000%
29	6.608	1710	1716	1720	rBV2	1113	1219	0.00%	0.000%
30	6.842	1786	1789	1793	rBV2	813	766	0.00%	0.000%
31	6.894	1797	1805	1807	rBV4	2377	2927	0.00%	0.001%
32	7.154	1884	1886	1889	rVB2	1341	784	0.00%	0.000%
33	7.228	1896	1909	1942	rBV	258729	599583	0.30%	0.110%
34	7.383	1953	1957	1961	rBV4	1731	1737	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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	7.563	1997	2013	2029	rBV	1013185	1997375	1.02%	0.366%
36	7.852	2092	2103	2139	rBV2	163012	392063	0.20%	0.072%
37	8.112	2181	2184	2187	rVB4	1877	1315	0.00%	0.000%
38	8.170	2196	2202	2203	rBV3	1595	1604	0.00%	0.000%
39	8.222	2215	2218	2220	rBV3	1083	872	0.00%	0.000%
40	8.344	2238	2256	2289	rBV	573377	1567525	0.80%	0.287%
41	8.842	2407	2411	2417	rBV6	1887	1630	0.00%	0.000%
42	9.093	2475	2489	2523	rBV	1044279	2152021	1.09%	0.394%
43	9.251	2528	2538	2561	rVV	130548	251281	0.13%	0.046%
44	9.373	2563	2576	2605	rVV	1689833	3075418	1.56%	0.563%
45	9.636	2655	2658	2660	rBV4	1495	824	0.00%	0.000%
46	9.672	2666	2669	2670	rBV2	991	670	0.00%	0.000%
47	9.730	2684	2687	2689	rBV2	2988	1931	0.00%	0.000%
48	9.781	2689	2703	2732	rVB	1942521	3473810	1.77%	0.636%
49	9.935	2747	2751	2752	rBV4	1949	1472	0.00%	0.000%
50	9.987	2763	2767	2768	rBV3	1355	981	0.00%	0.000%
51	10.170	2816	2824	2833	rBV3	12286	22024	0.01%	0.004%
52	10.318	2868	2870	2880	rVB3	4554	4800	0.00%	0.001%
53	10.437	2895	2907	2920	rBV	718860	1188390	0.60%	0.218%
54	10.511	2923	2930	2943	rVB	70866	111972	0.06%	0.020%
55	10.588	2945	2954	2968	rVB	98976	156718	0.08%	0.029%
56	10.681	2970	2983	3000	rBV	2084092	4424621	2.25%	0.810%
57	10.771	3000	3011	3044	rVB	2952856	4833182	2.46%	0.885%
58	10.971	3062	3073	3095	rBV	745907	1359198	0.69%	0.249%
59	11.148	3116	3128	3139	rBV	7919170	11947929	6.07%	2.187%
60	11.215	3139	3149	3159	rVV	4618584	7068778	3.59%	1.294%
61	11.267	3159	3165	3176	rVB	521133	795392	0.40%	0.146%
62	11.485	3223	3233	3242	rBV	1295086	2033903	1.03%	0.372%
63	11.569	3251	3259	3272	rVB	1804195	2752928	1.40%	0.504%
64	11.765	3310	3320	3329	rBV	729753	1319681	0.67%	0.242%
65	11.865	3341	3351	3365	rVB3	1399292	2658283	1.35%	0.487%
66	12.022	3394	3400	3407	rVB	215408	259698	0.13%	0.048%
67	12.148	3430	3439	3441	rBV	277218	369406	0.19%	0.068%
68	12.222	3455	3462	3465	rBV	403207	526817	0.27%	0.096%
69	12.302	3479	3487	3498	rVB	732703	1247193	0.63%	0.228%
70	12.424	3515	3525	3535	rVV	6688431	9757761	4.96%	1.786%
71	12.482	3535	3543	3556	rVB2	1475268	2212366	1.12%	0.405%

LSC Area Percent Report

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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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	12.550	3558	3564	3573	rVB	295495	410682	0.21%	0.075%
73	12.646	3585	3594	3602	rBV	2282482	3311475	1.68%	0.606%
74	12.704	3602	3612	3623	rVV3	5465288	10015500	5.09%	1.833%
75	12.759	3623	3629	3639	rVV2	1128038	1912140	0.97%	0.350%
76	12.820	3640	3648	3672	rVB3	6036361	11595909	5.89%	2.122%
77	12.961	3684	3692	3706	rVB	1572026	2271049	1.15%	0.416%
78	13.029	3708	3713	3721	rVB	252948	320403	0.16%	0.059%
79	13.119	3722	3741	3751	rBV2	10626371	18069916	9.18%	3.307%
80	13.292	3783	3795	3809	rVB2	22332278	37803272	19.21%	6.919%
81	13.366	3810	3818	3825	rBV	2505993	3810811	1.94%	0.698%
82	13.504	3855	3861	3868	rBV3	1831909	2570441	1.31%	0.470%
83	13.797	3944	3952	3961	rBV2	1641105	3141303	1.60%	0.575%
84	14.141	4052	4059	4067	rBV2	3871114	5926668	3.01%	1.085%
85	14.337	4110	4120	4129	rBV3	4006038	7288479	3.70%	1.334%
86	14.820	4263	4270	4277	rBV	1854052	2782673	1.41%	0.509%
87	14.893	4277	4293	4316	rVB3	95738188	196767534	100.00%	36.015%
88	15.074	4334	4349	4371	rVB3	73067328	131979829	67.07%	24.157%
89	15.604	4507	4514	4522	rVB	781698	1106090	0.56%	0.202%
90	15.794	4565	4573	4581	rBV	1612168	2407642	1.22%	0.441%
91	15.910	4598	4609	4625	rBV	6293778	10570507	5.37%	1.935%
92	16.054	4644	4654	4661	rBV	4237814	6557694	3.33%	1.200%
93	16.186	4686	4695	4707	rVV	824057	1298111	0.66%	0.238%
94	16.279	4709	4724	4747	rVB2	980058	2353135	1.20%	0.431%
95	16.427	4761	4770	4781	rBV	415907	658809	0.33%	0.121%
96	16.520	4789	4799	4816	rVB2	1075708	2014336	1.02%	0.369%
97	16.627	4826	4832	4844	rVB2	268624	428245	0.22%	0.078%
98	17.016	4946	4953	4976	rVB3	371603	788184	0.40%	0.144%
99	17.163	4990	4999	5009	rBV2	383929	622354	0.32%	0.114%
100	17.225	5011	5018	5028	rVB	291994	452725	0.23%	0.083%

Sum of corrected areas: 546349526

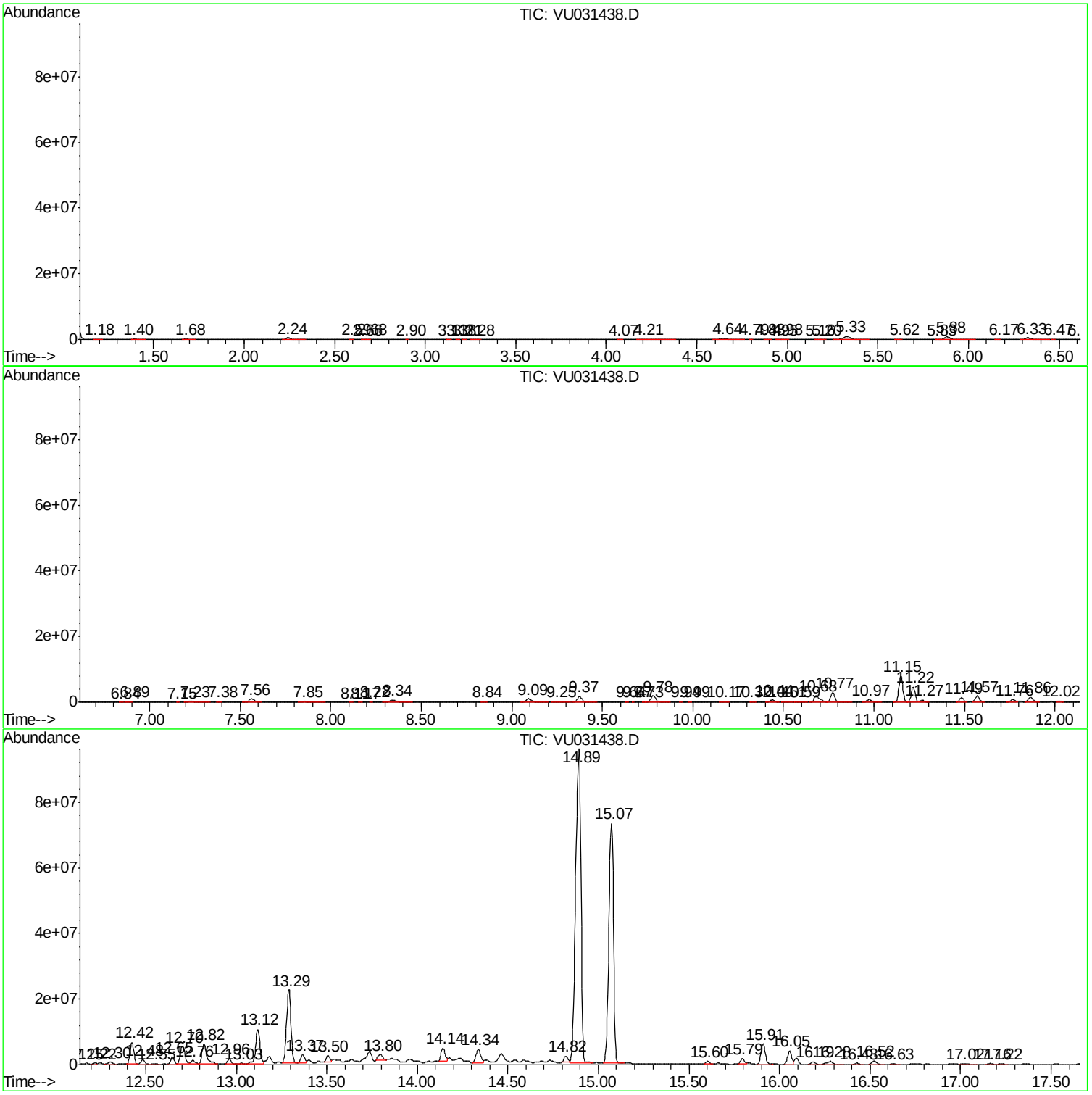
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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 : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

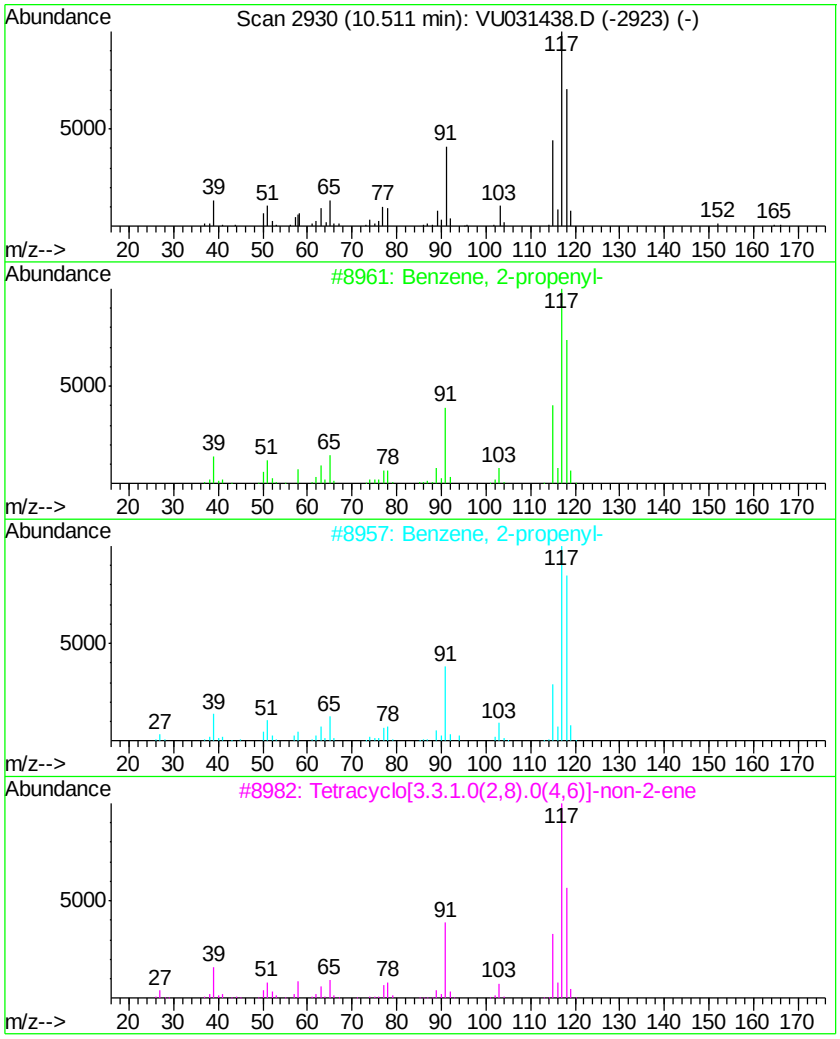
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

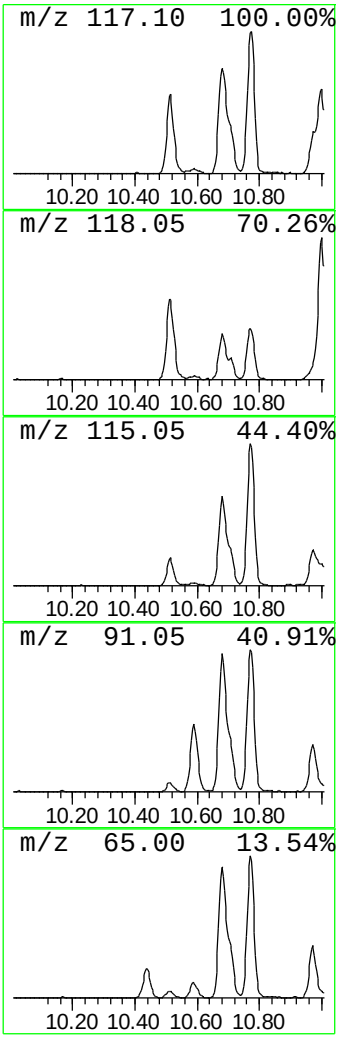
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	2.75 ug/L	111972	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	94
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

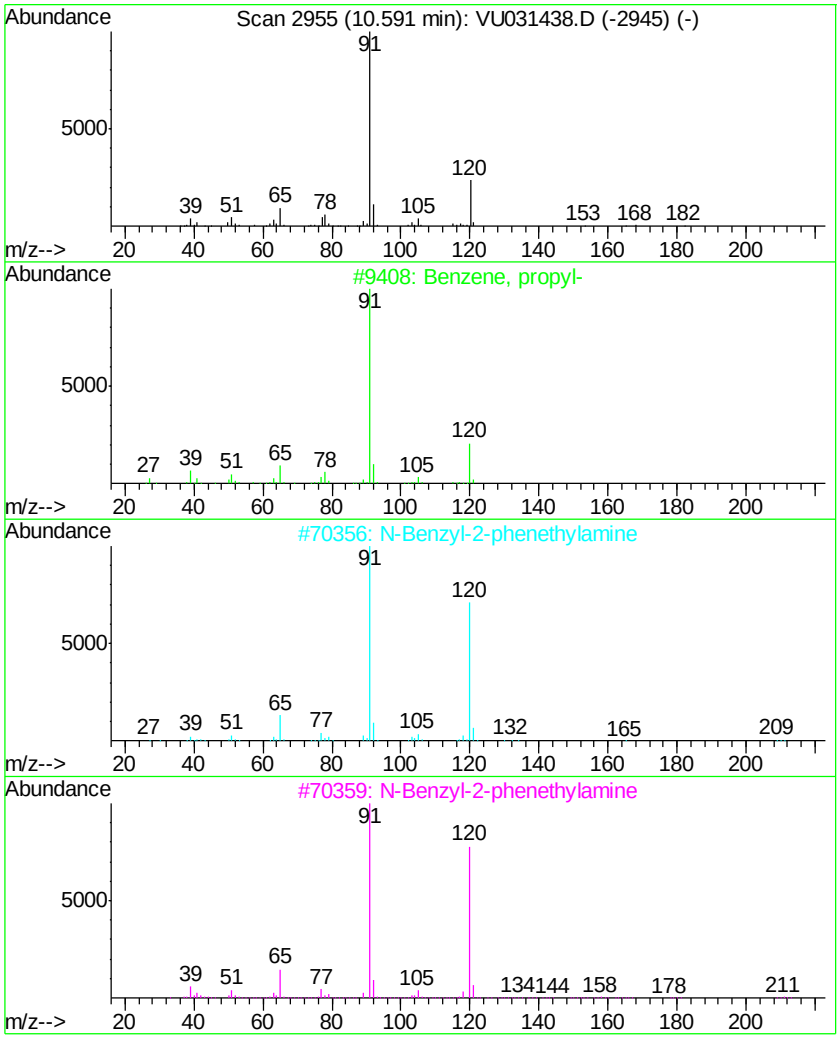
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

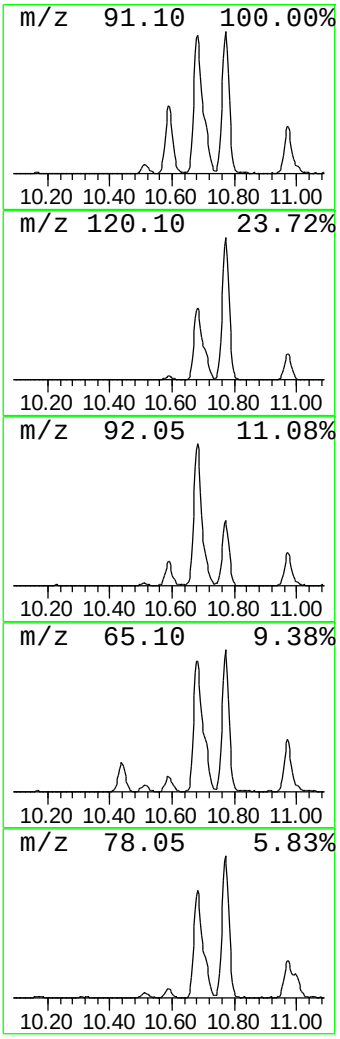
****

Peak Number 3 Benzene, propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.85 ug/L	156718	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	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Benzene, propyl-	120	C9H12	000103-65-1	74
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

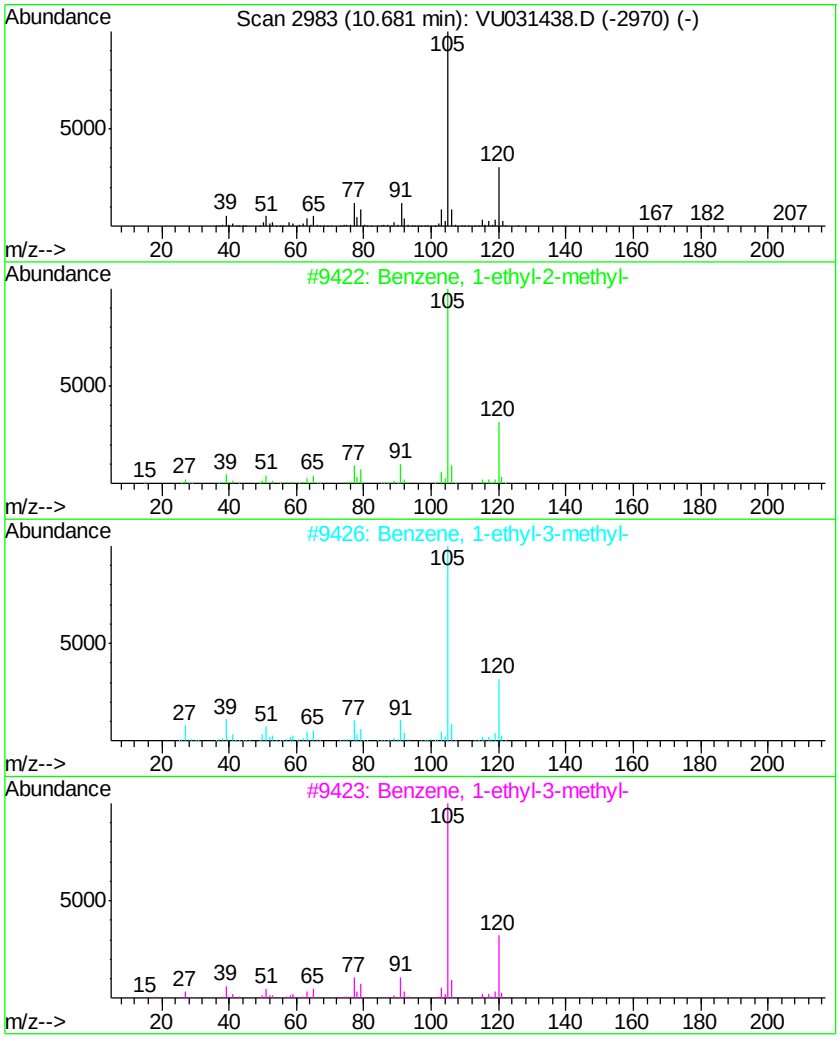
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

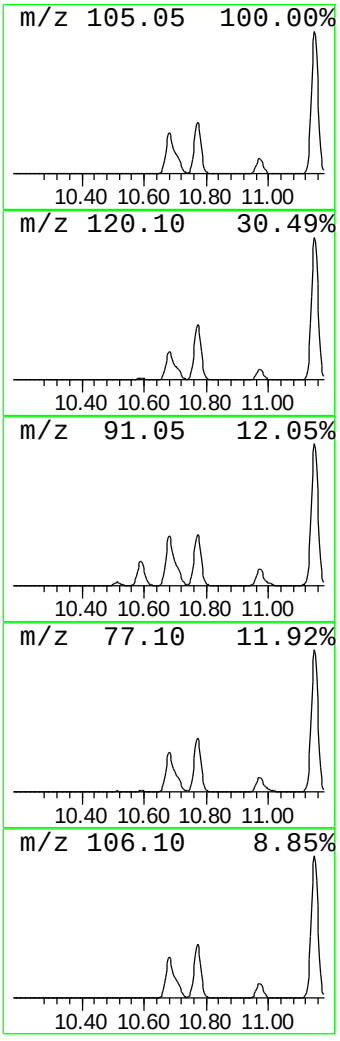
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	108.77 ug/L	4424620	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	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	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

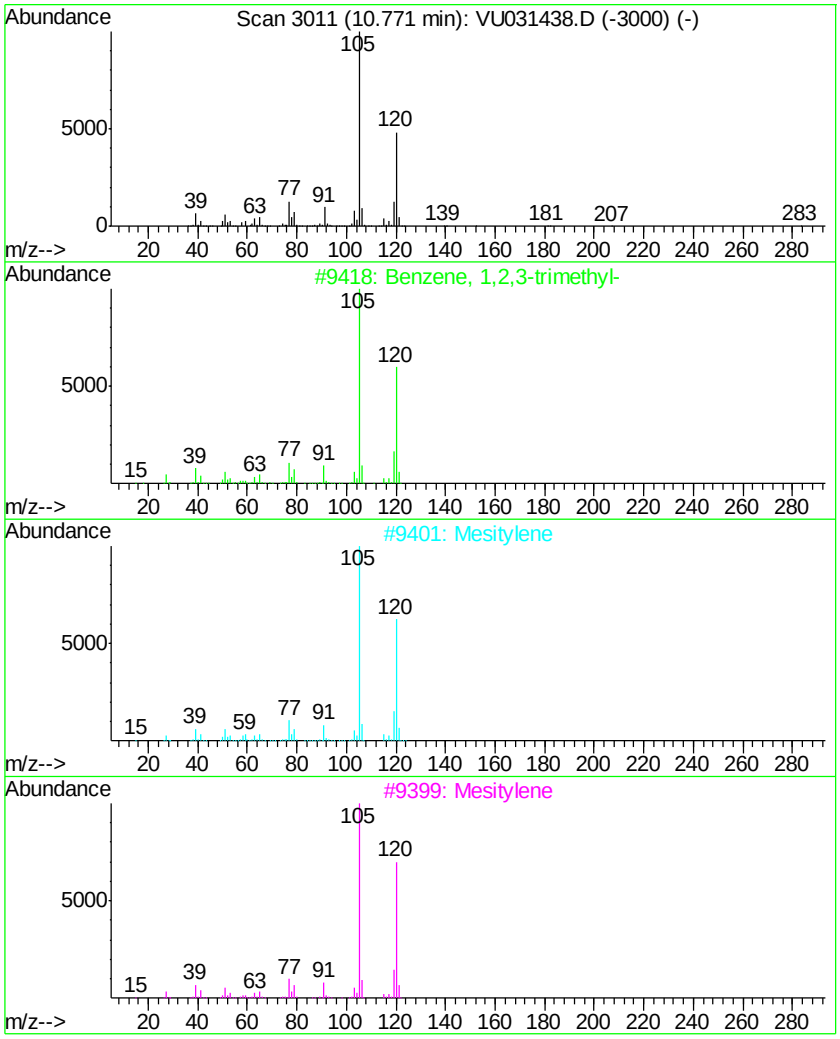
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

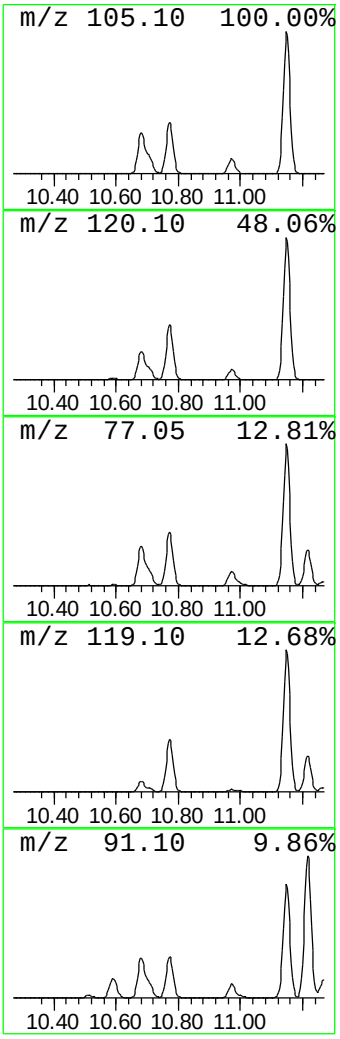
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	118.82 ug/L	4833180	1,4-Dichlorobenzene-d4	11.49

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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

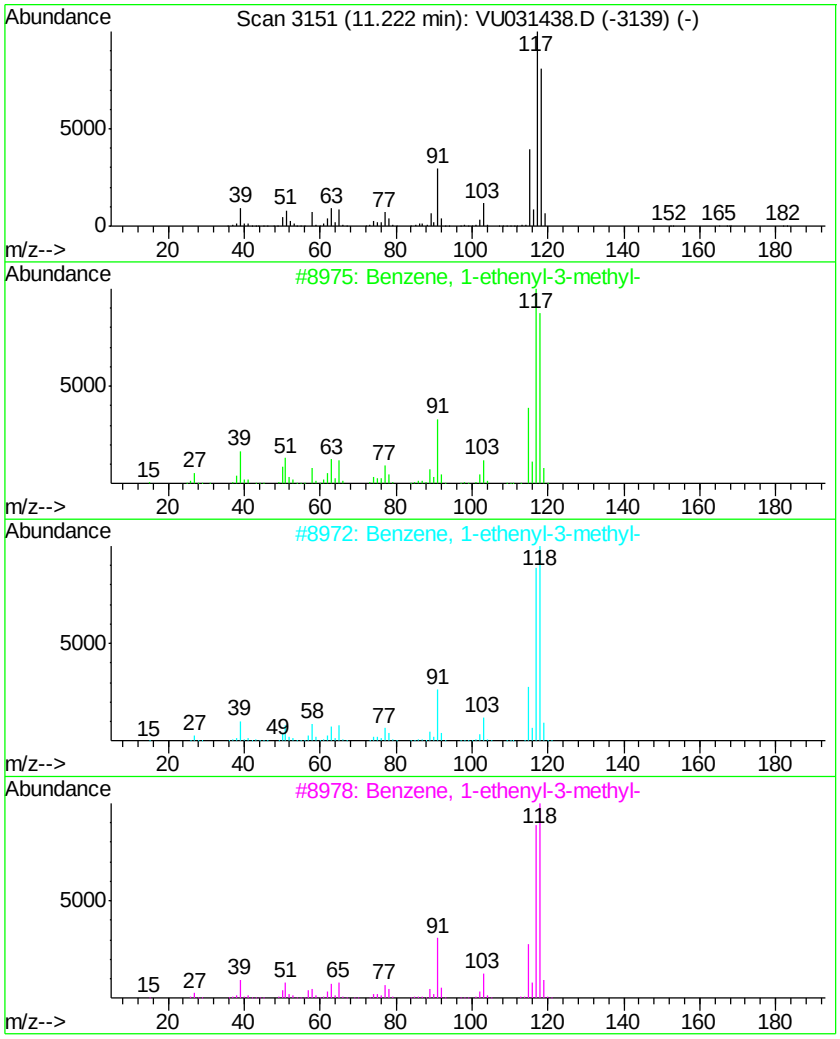
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

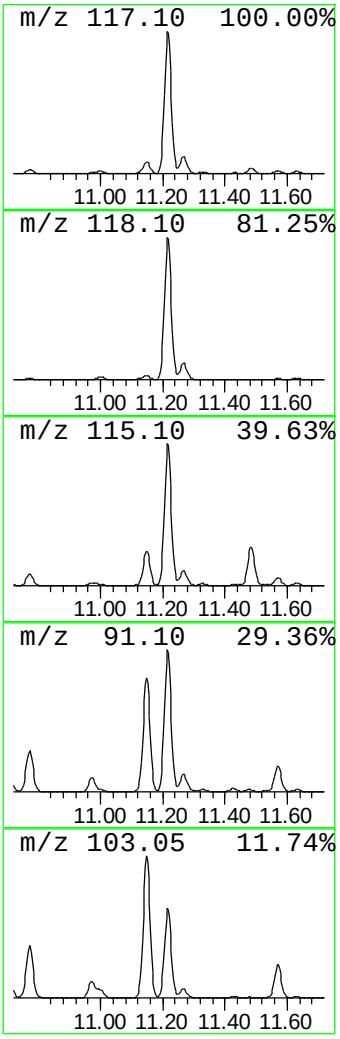
****

Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	173.77 ug/L	7068780	1,4-Dichlorobenzene-d4	11.49

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-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

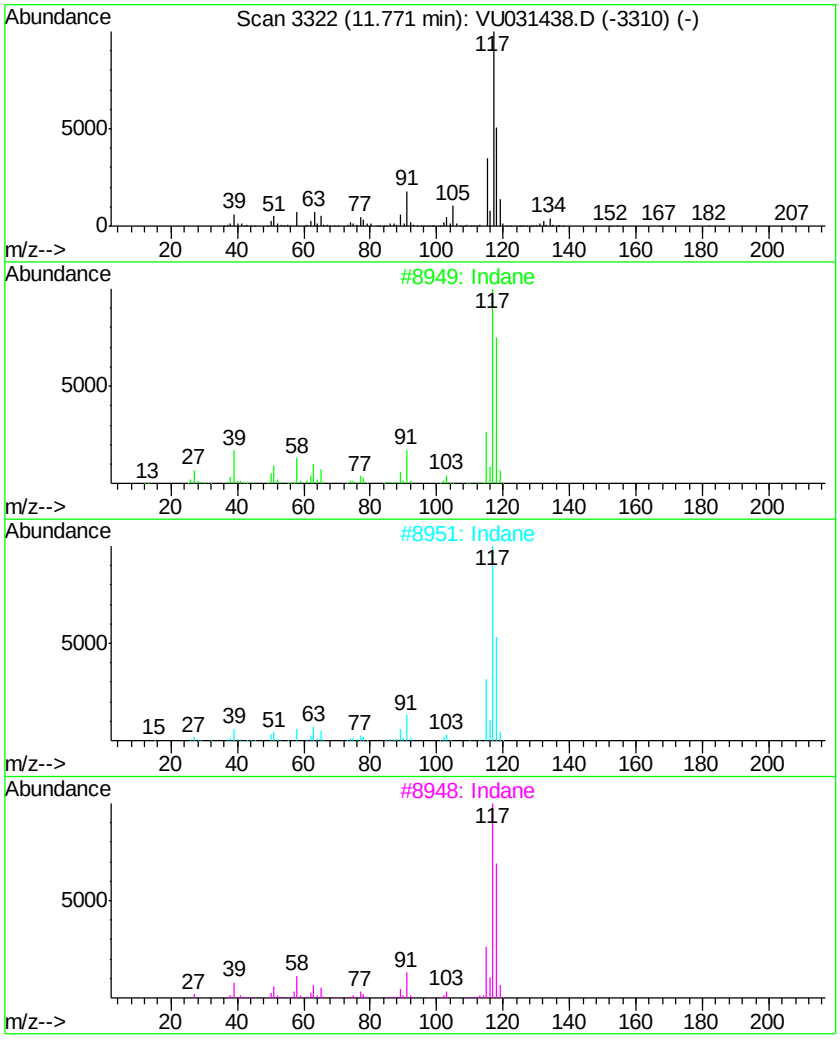
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

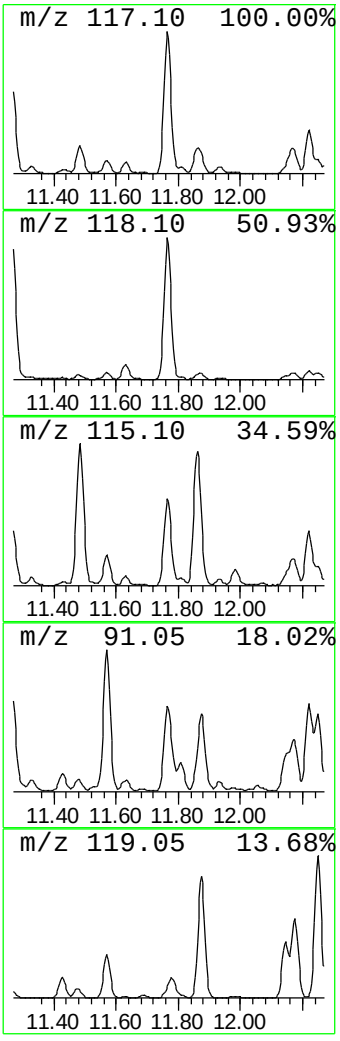
****

Peak Number 11 Indane Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	32.44 ug/L	1319680	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	83





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

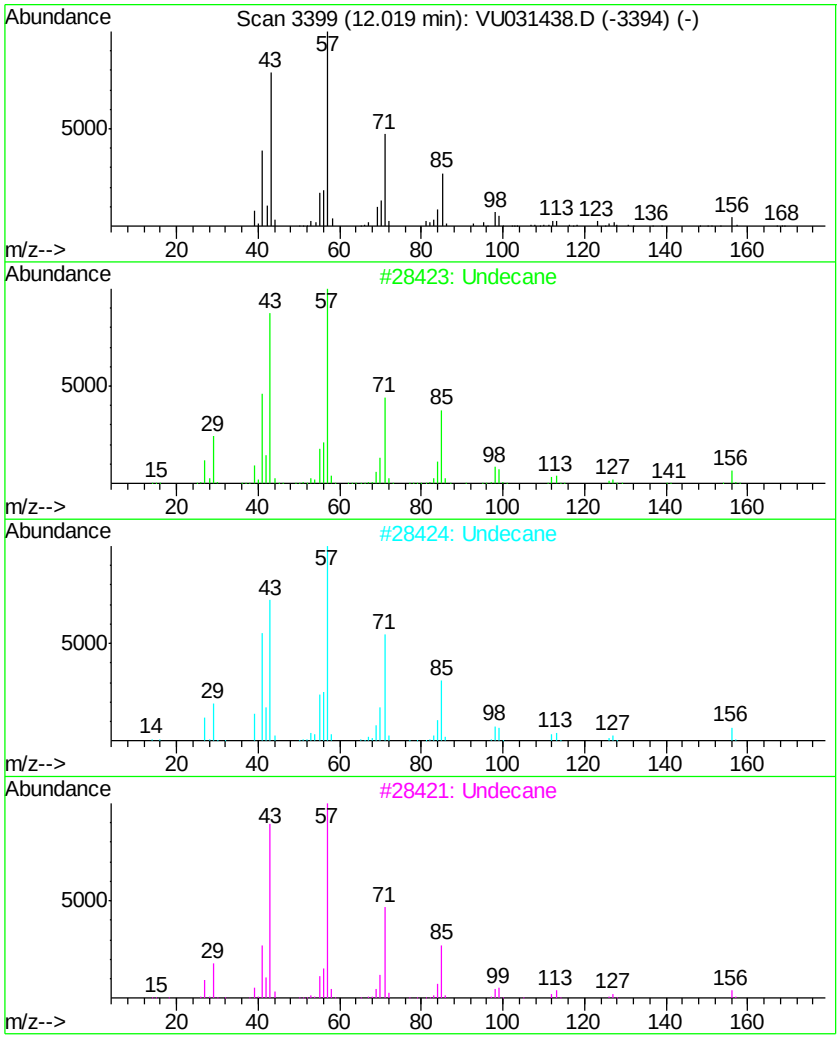
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

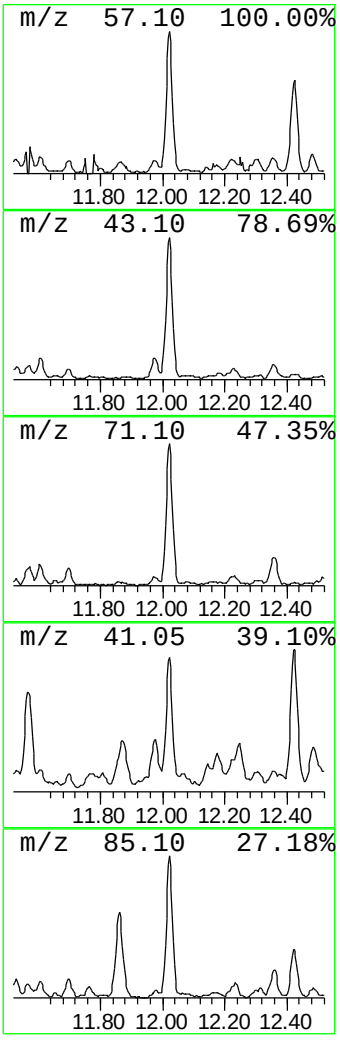
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.38 ug/L	259698	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	93
4	Undecane	156	C11H24	001120-21-4	93
5	Undecane	156	C11H24	001120-21-4	87





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

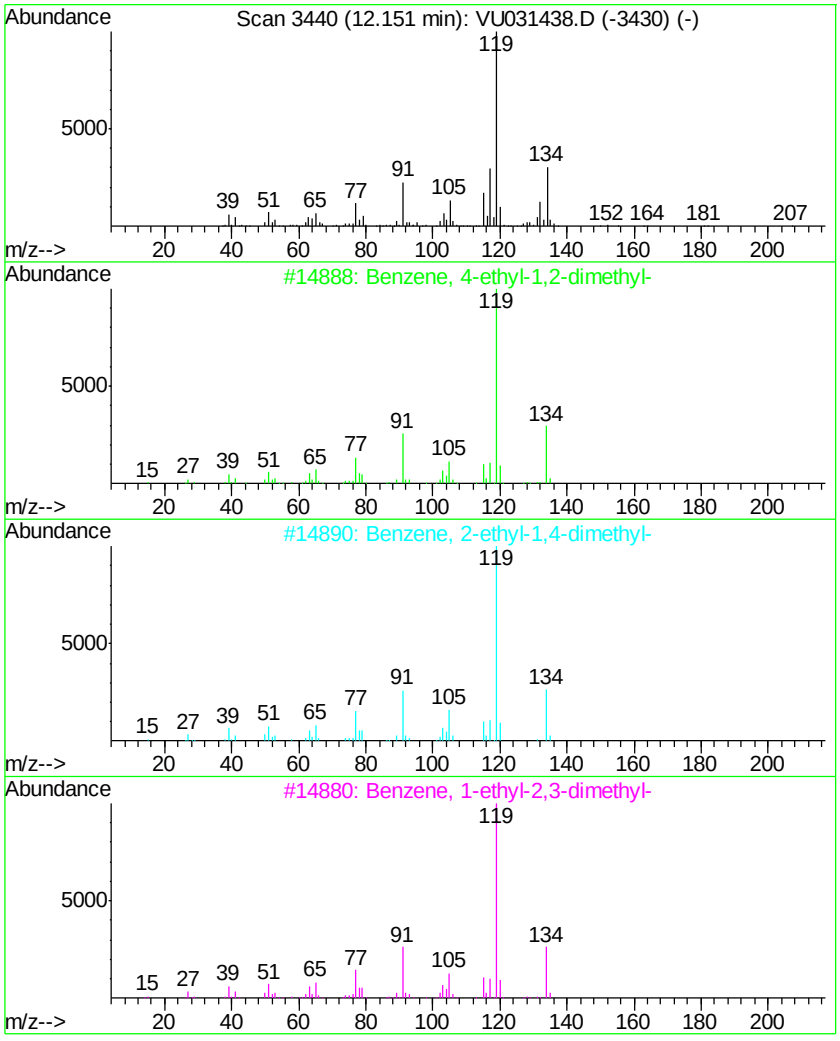
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

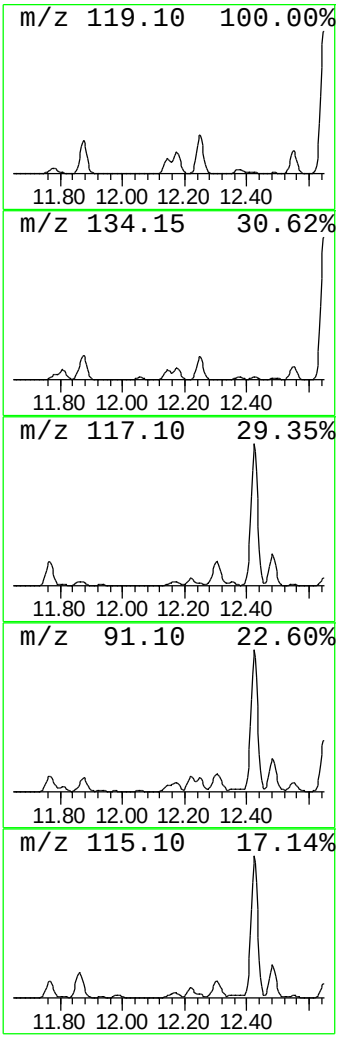
****

Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	9.08 ug/L	369406	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	p-Cymene	134	C10H14	000099-87-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

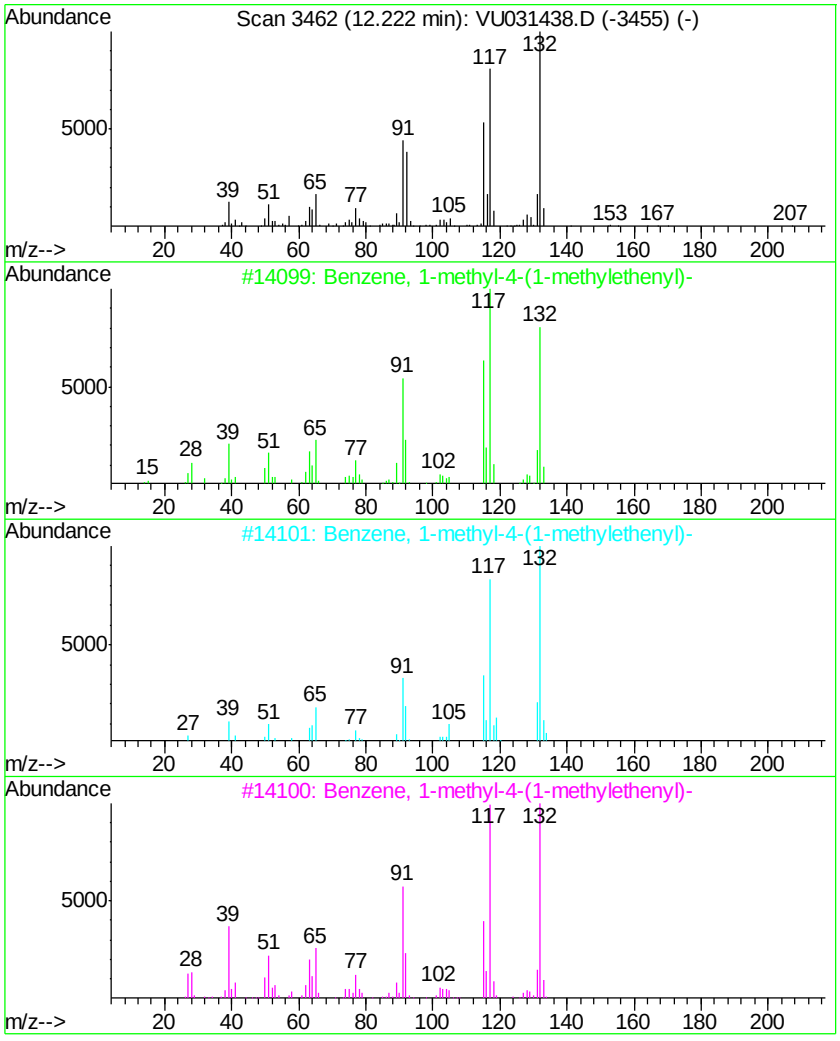
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

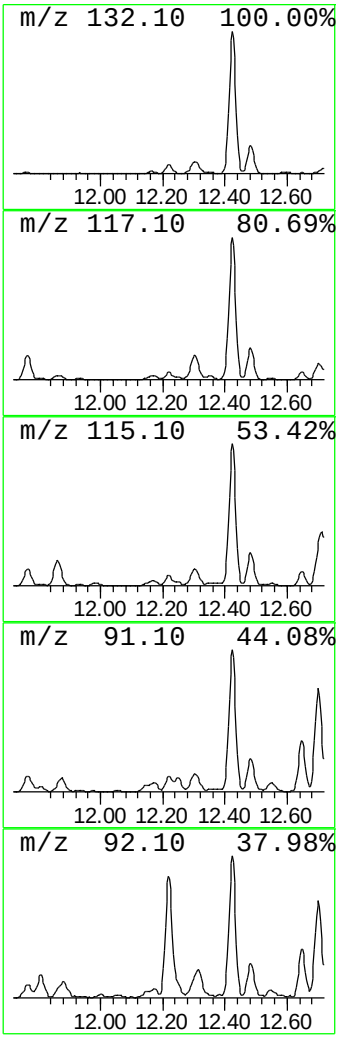
****

Peak Number 14 Benzene, 1-methyl-4-(1-meth... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	12.95 ug/L	526817	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	97
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	74





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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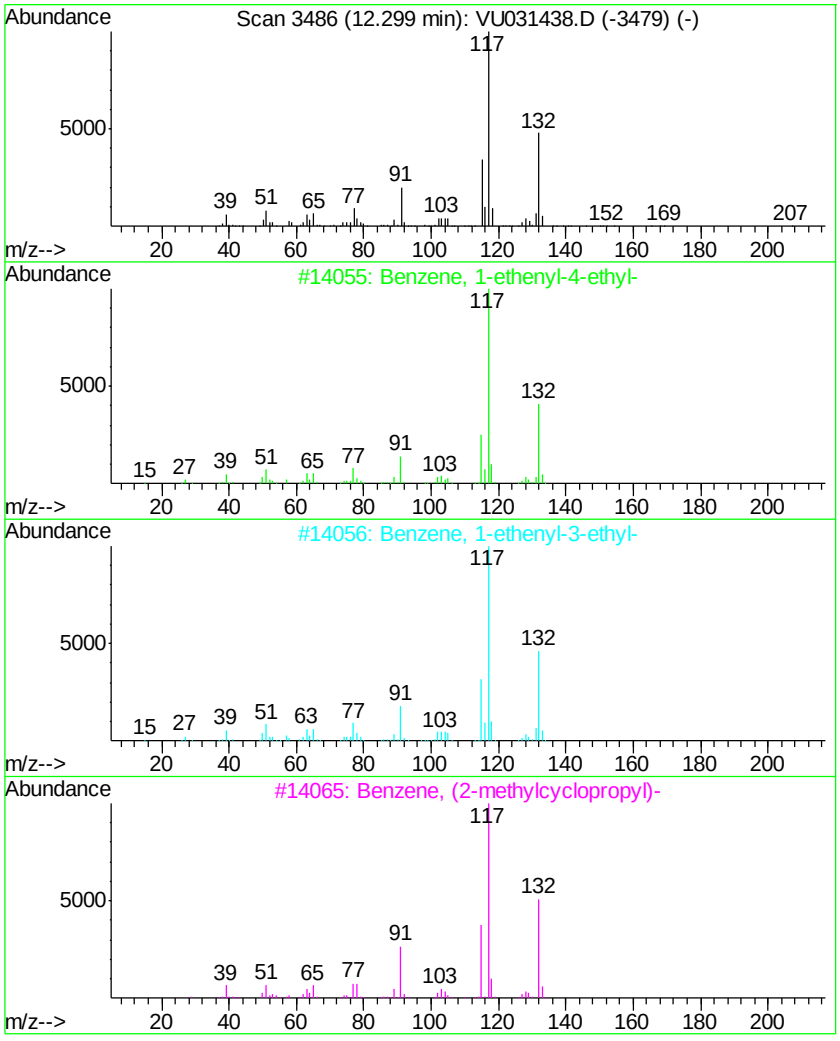
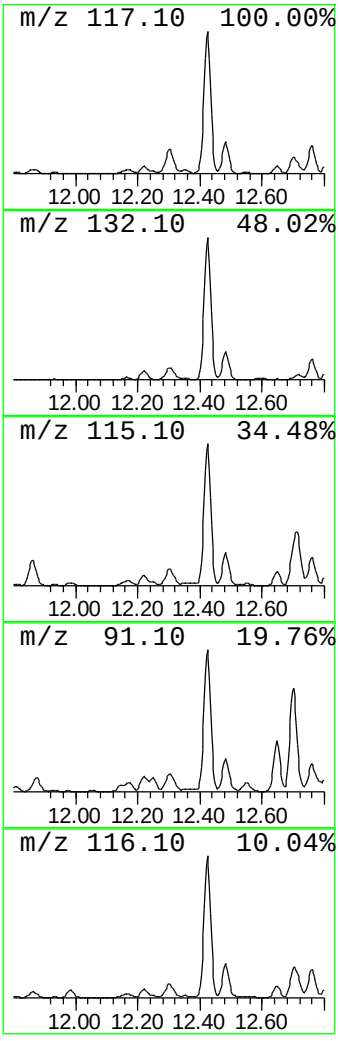
Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	30.66 ug/L	1247190	1,4-Dichlorobenzene-d4	11.49

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, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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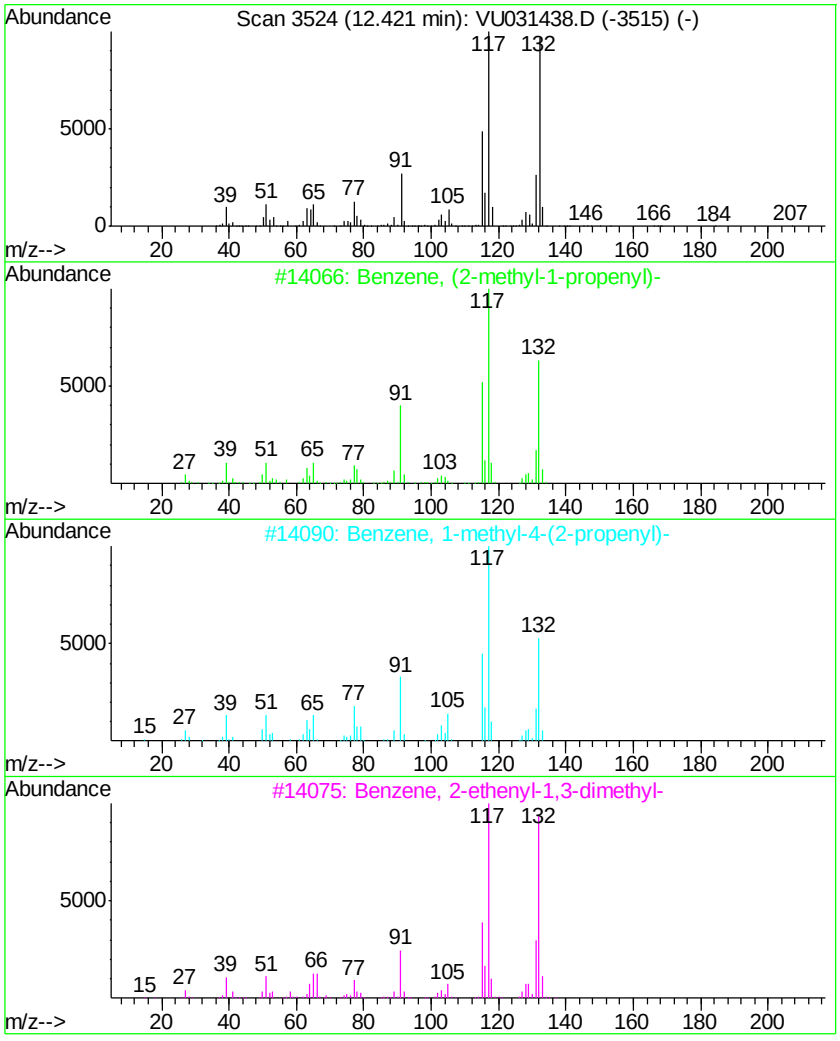
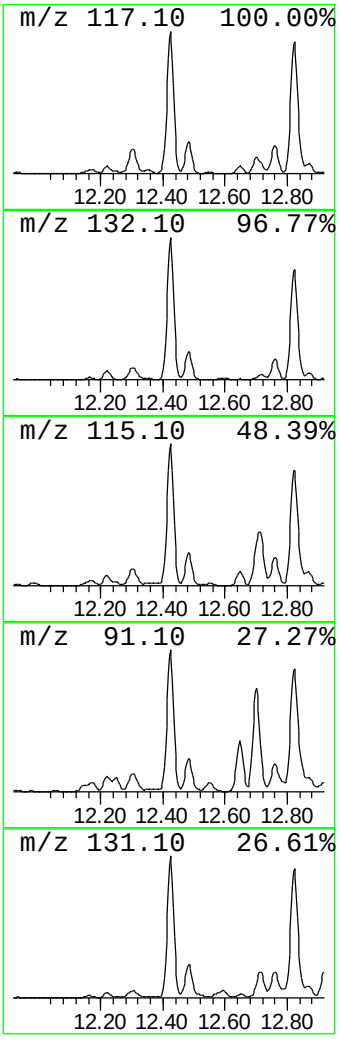
Peak Number 16 Benzene, (2-methyl-1-propen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	239.88 ug/L	9757760	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
4	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94





Library Search Compound Report

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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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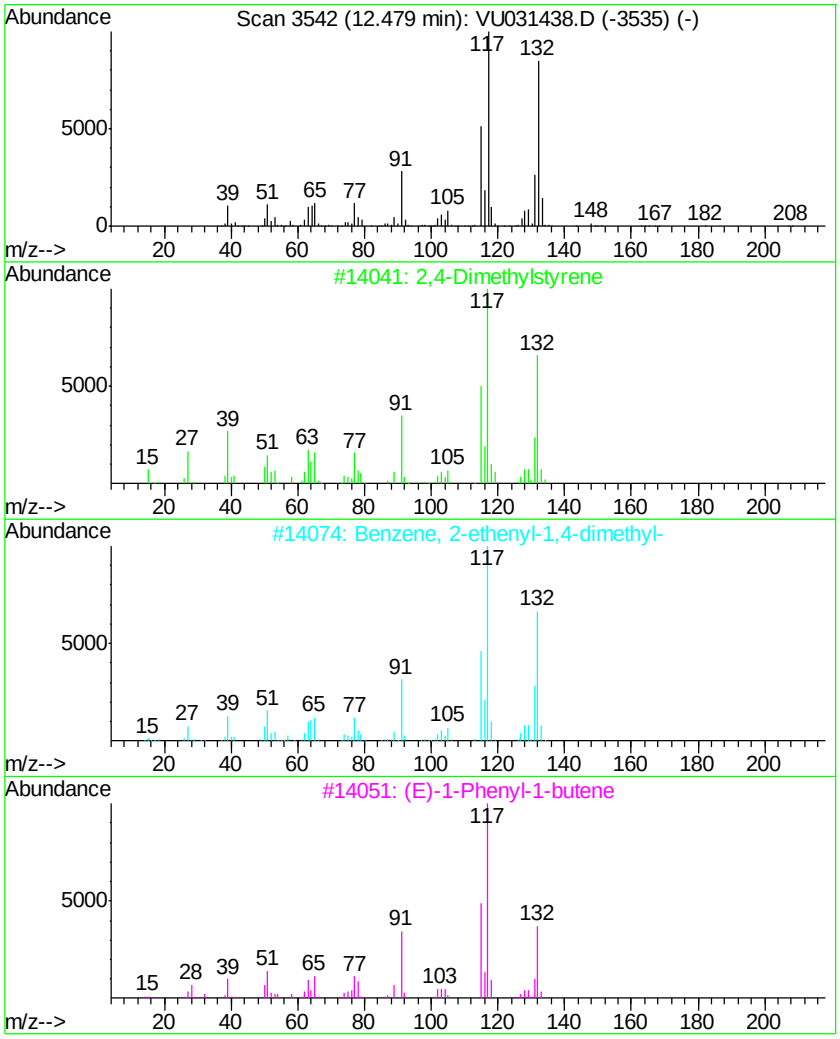
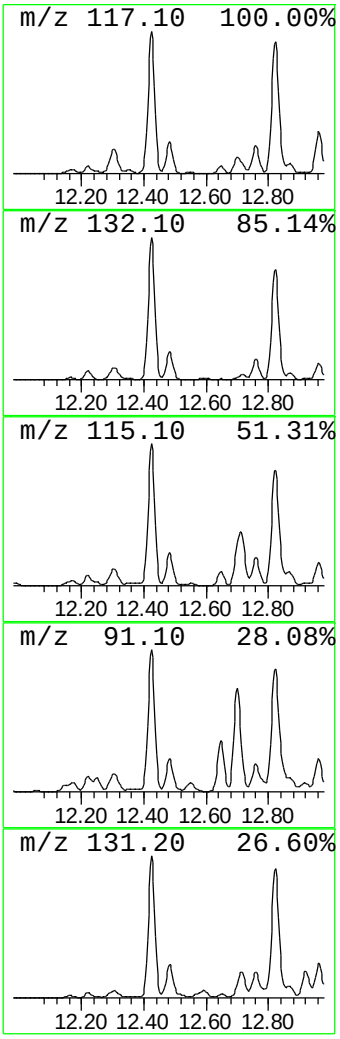
Peak Number 17 2,4-Dimethylstyrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	54.39 ug/L	2212370	1,4-Dichlorobenzene-d4	11.49

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	97
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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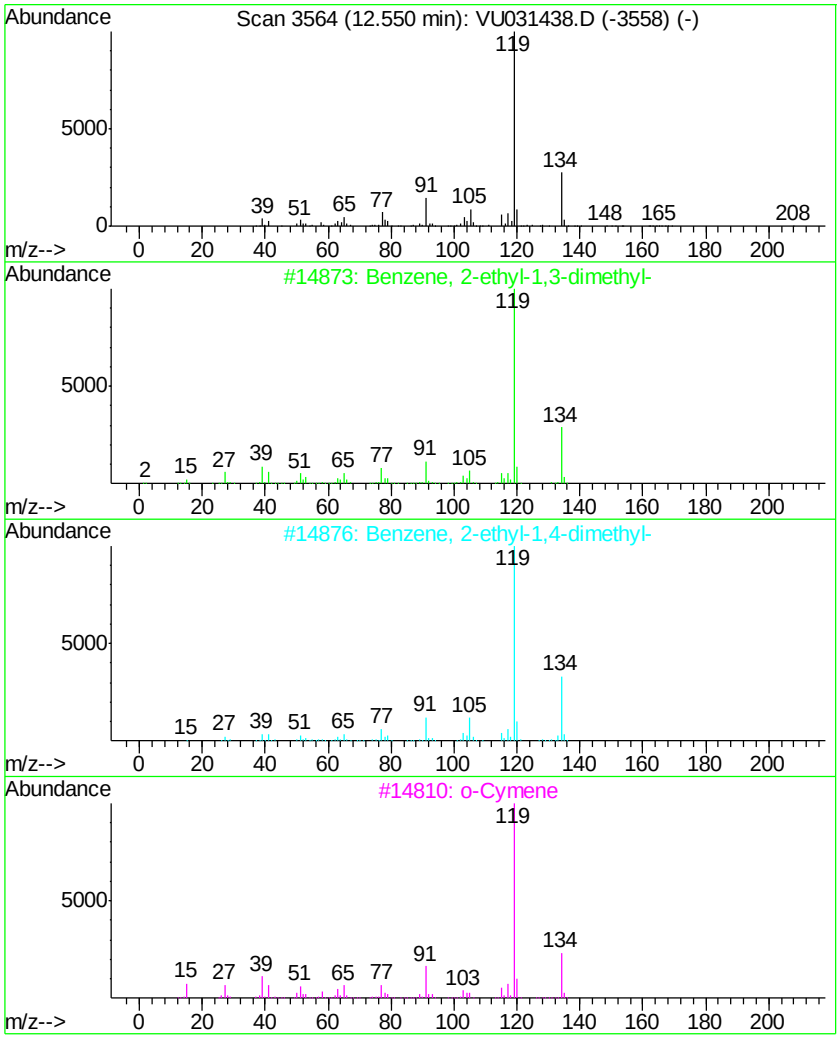
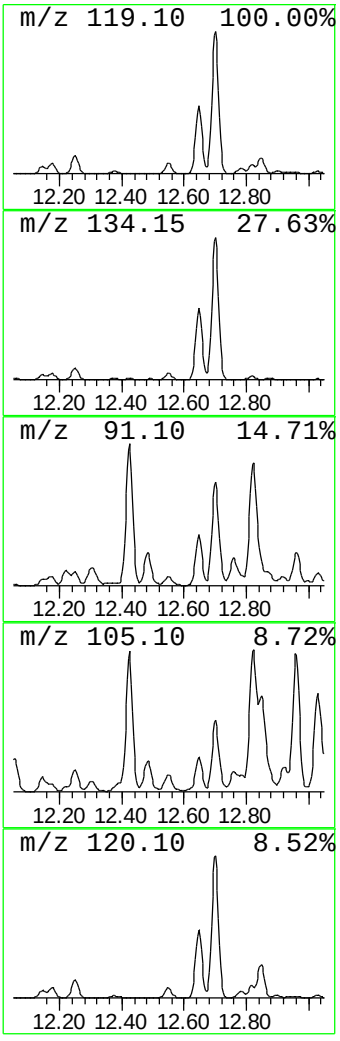
Peak Number 18 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	10.10 ug/L	410682	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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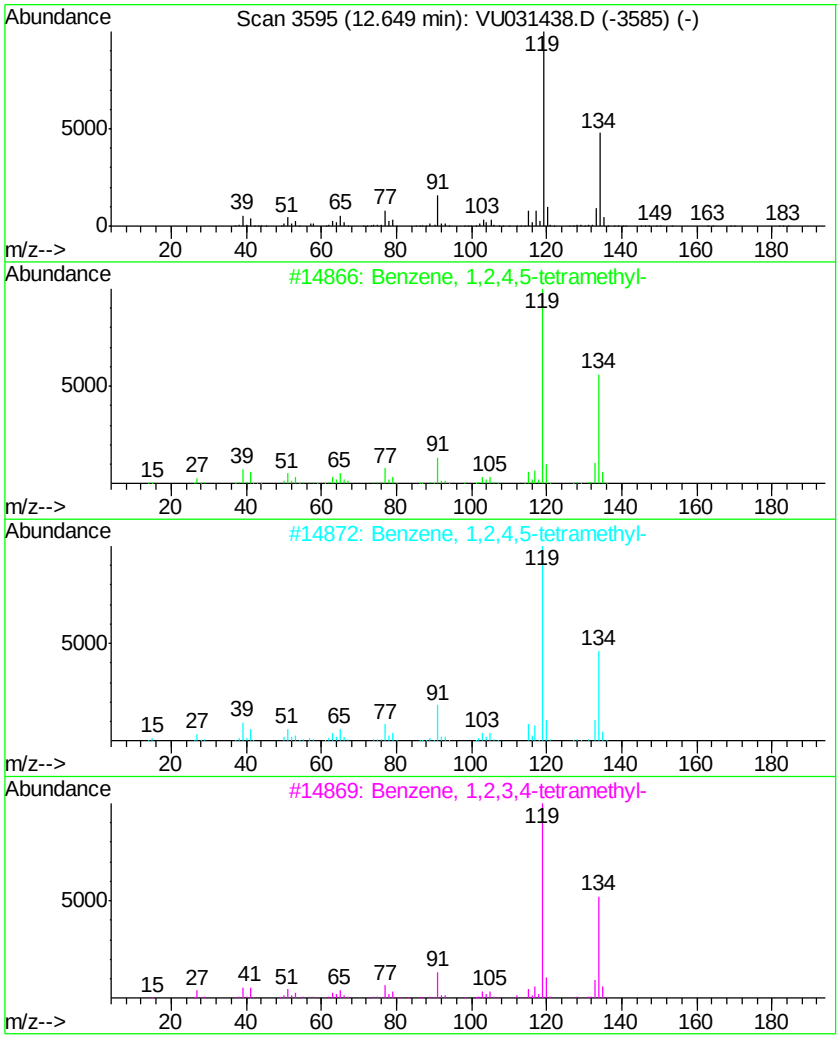
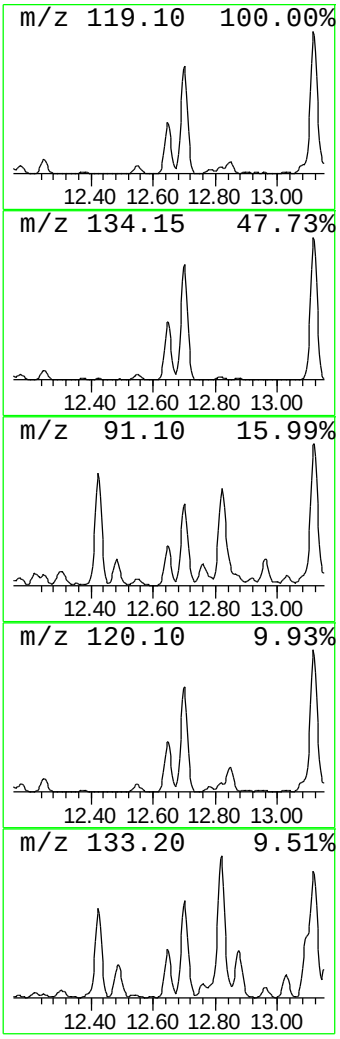
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	81.41 ug/L	3311480	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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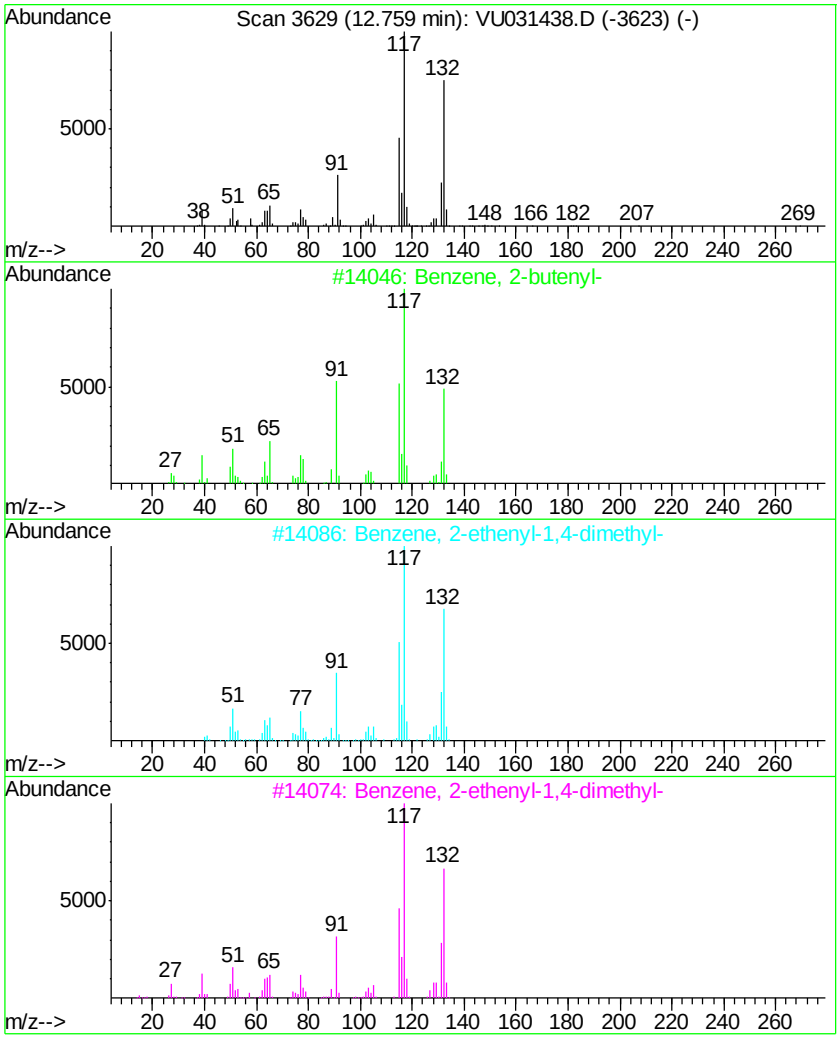
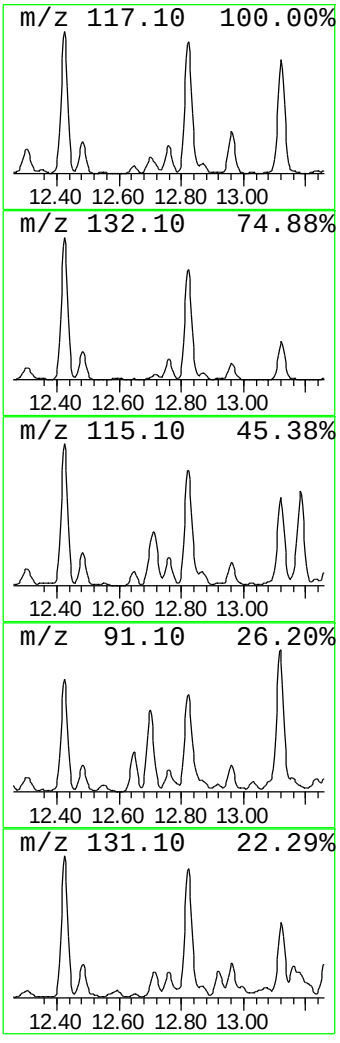
Peak Number 21 Benzene, 2-butenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	47.01 ug/L	1912140	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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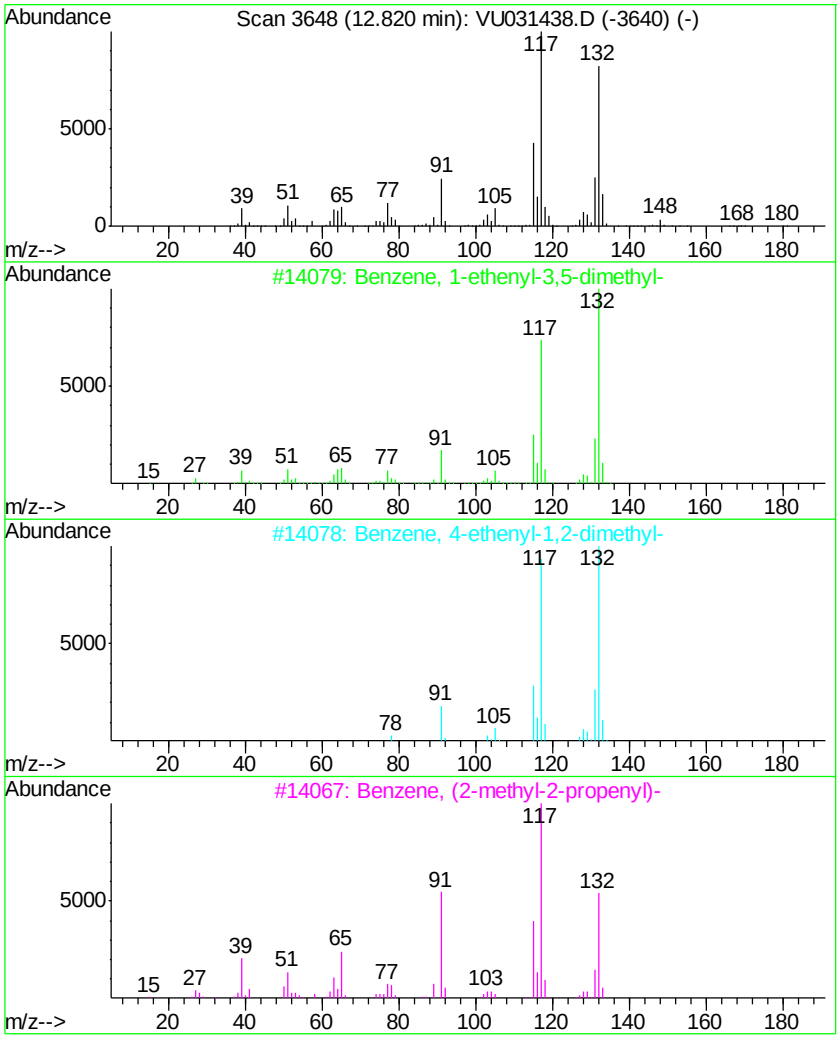
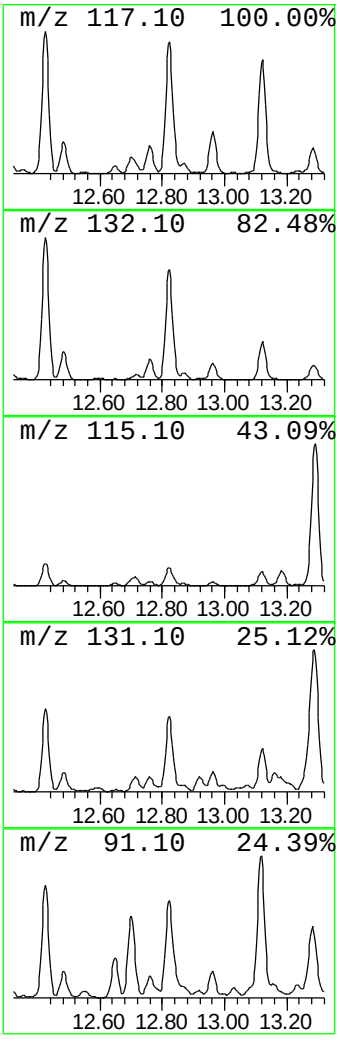
Peak Number 22 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	285.07 ug/L	11595900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95





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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

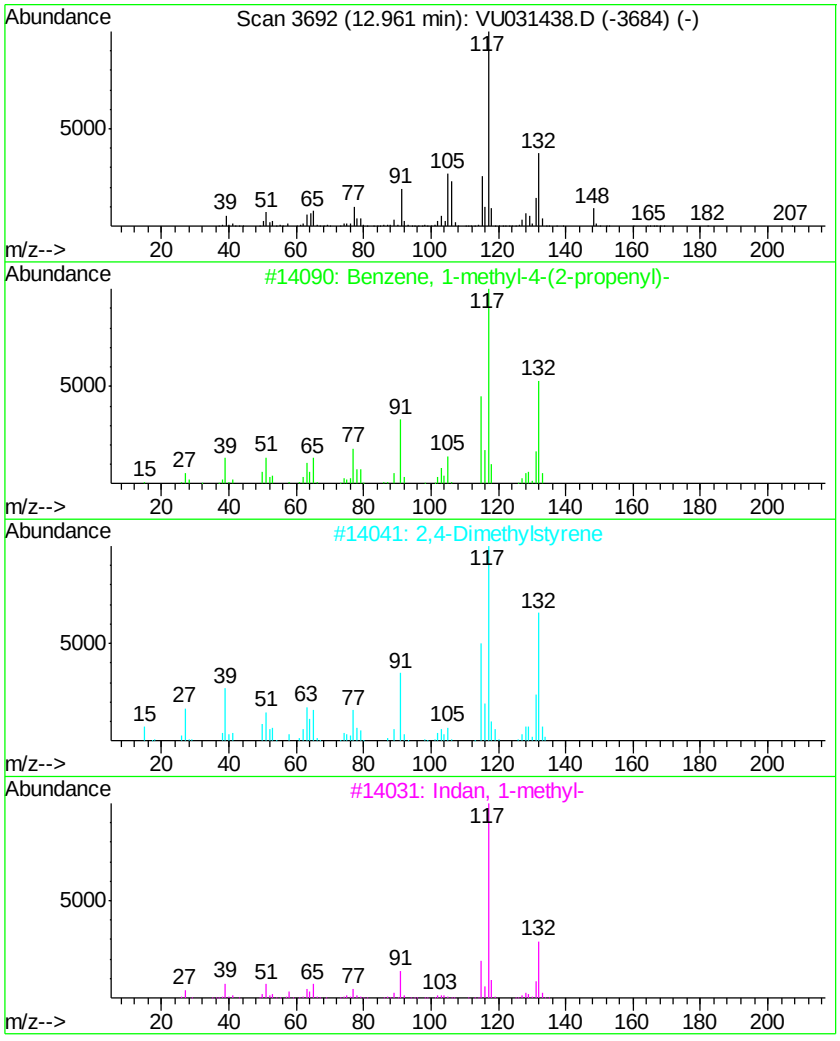
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

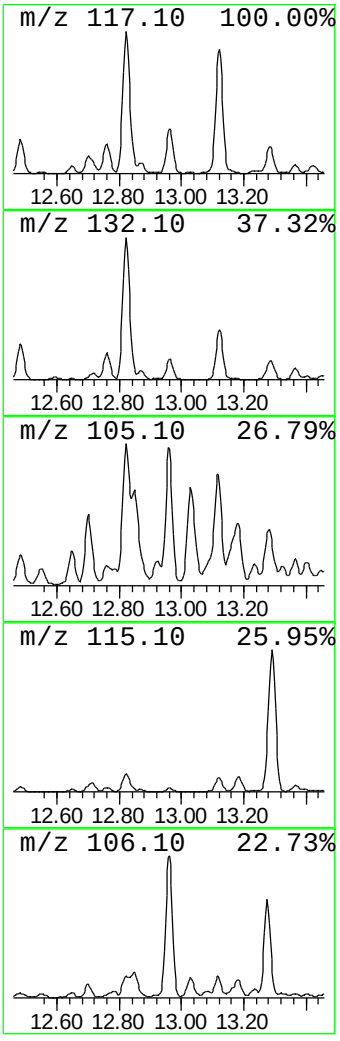
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-methyl-4-(2-prop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	55.83 ug/L	2271050	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70





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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

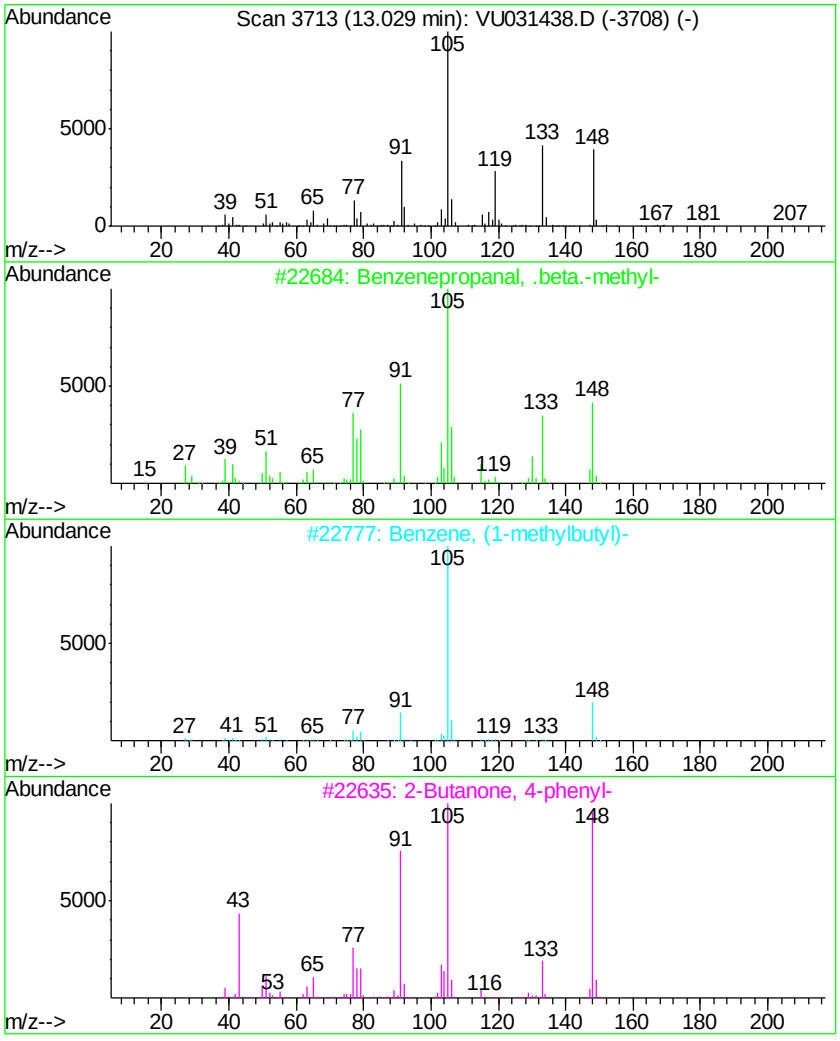
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

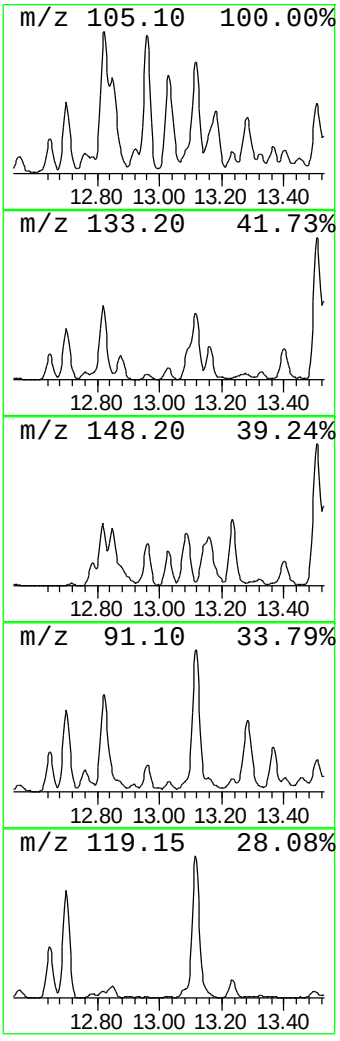
****

Peak Number 24 Benzenepropanal, .beta.-met... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	7.88 ug/L	320403	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	50
2	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	38
3	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	37
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	35
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

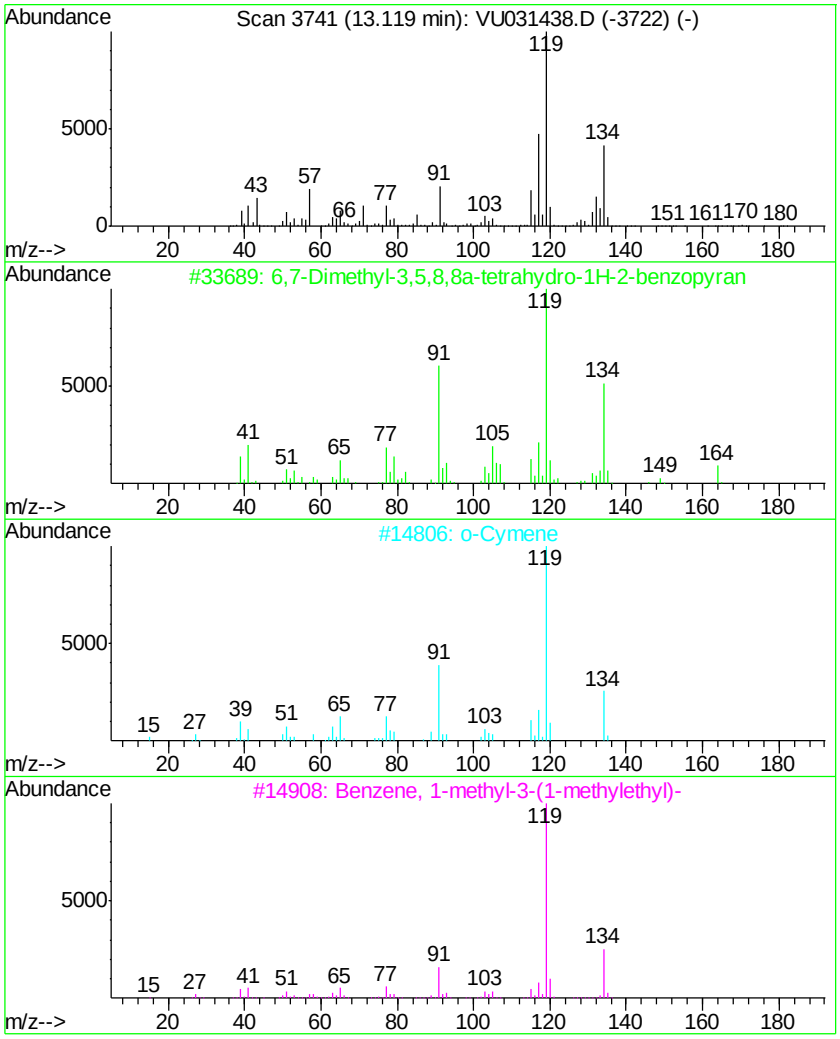
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

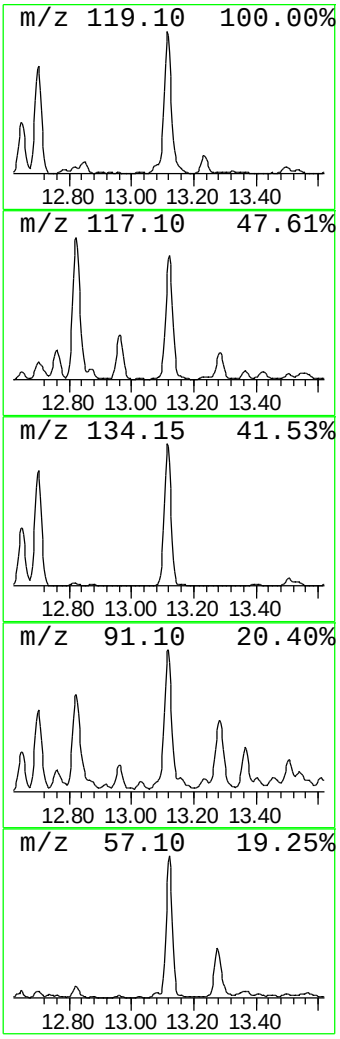
****

Peak Number 25 6,7-Dimethyl-3,5,8,8a-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	444.22 ug/L	18069900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	72
2	o-Cymene	134	C10H14	000527-84-4	70
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





Library Search Compound Report

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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

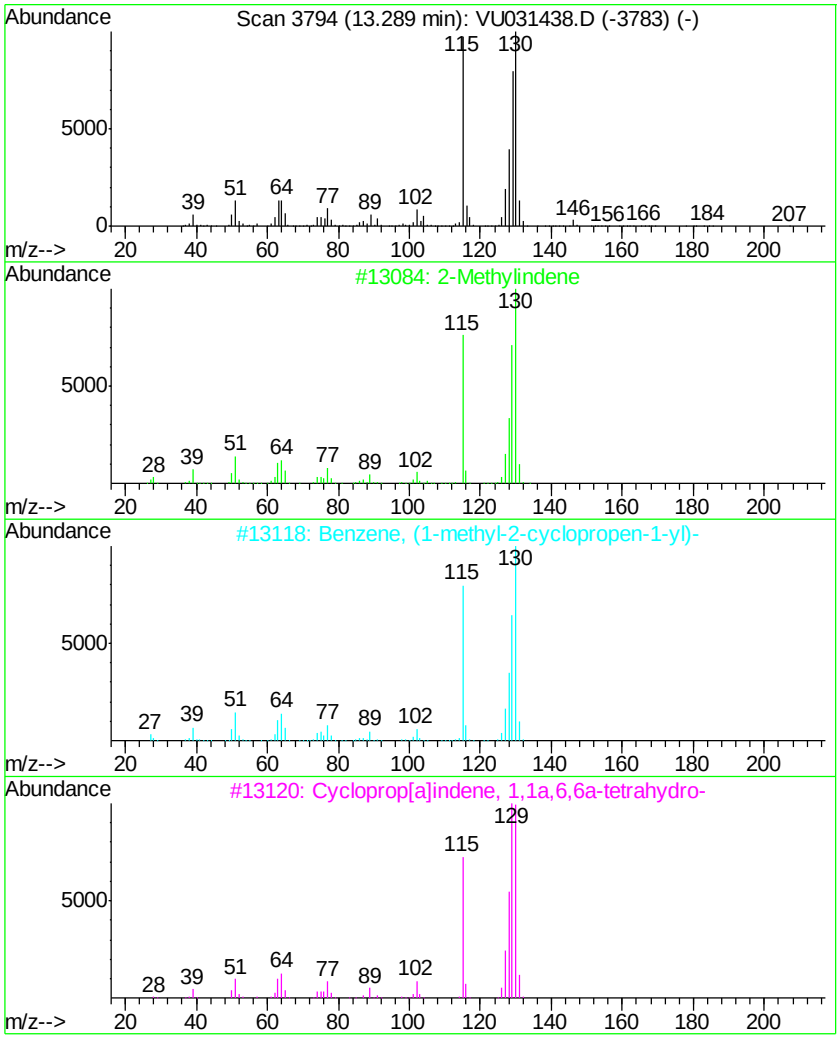
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

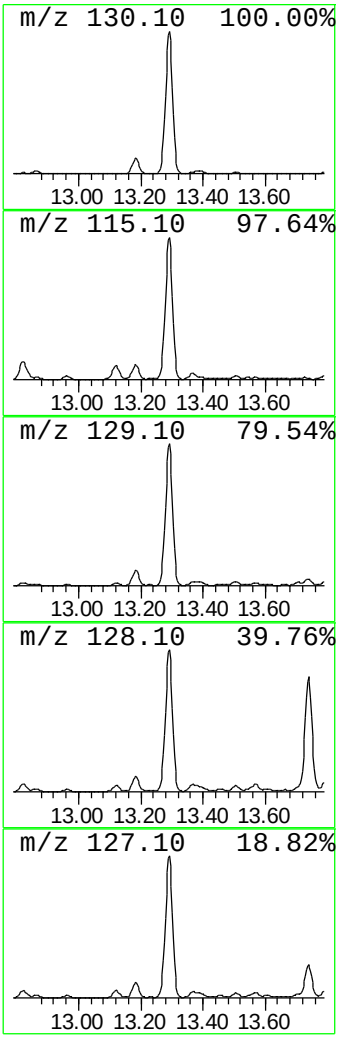
****

Peak Number 26 2-Methylindene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	929.33 ug/L	37803300	1,4-Dichlorobenzene-d4	11.49

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	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





Library Search Compound Report

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Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

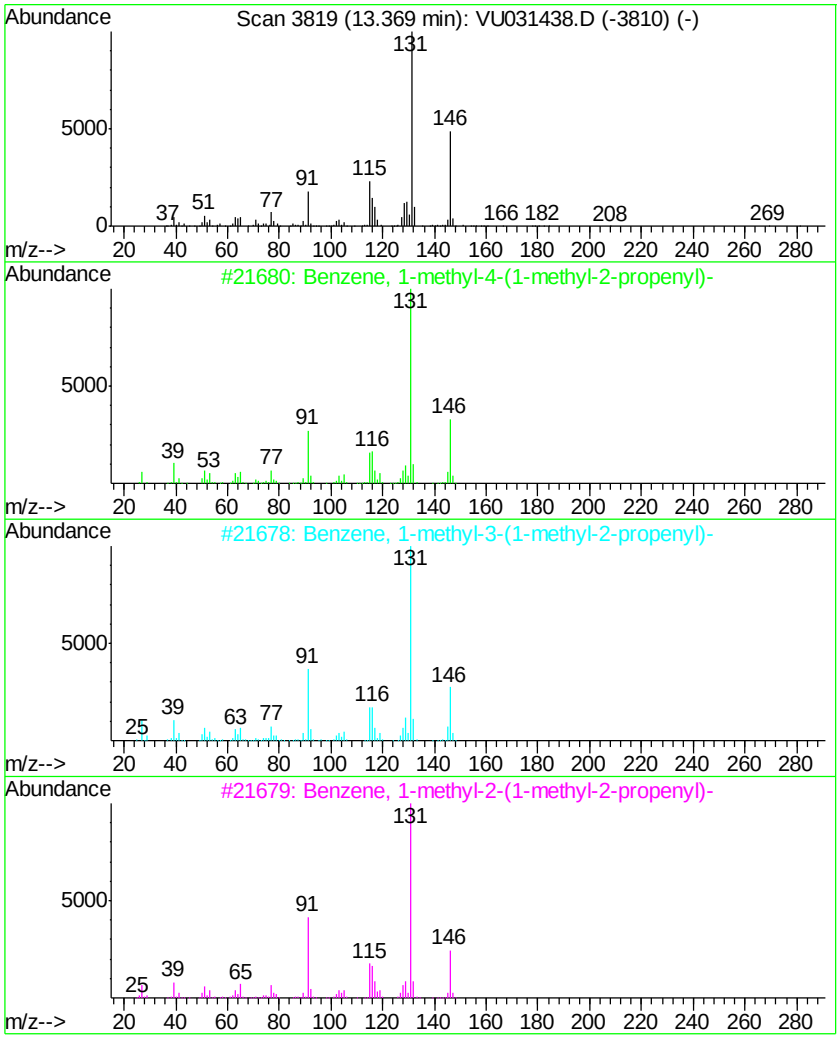
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

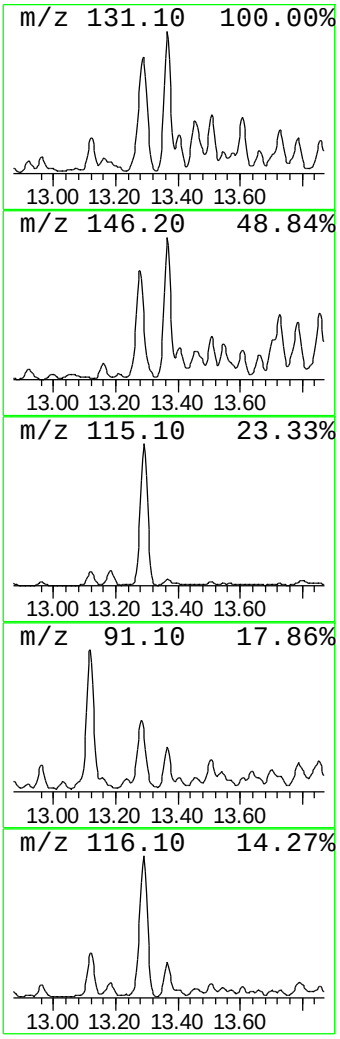
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	93.68 ug/L	3810810	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	87
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86





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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

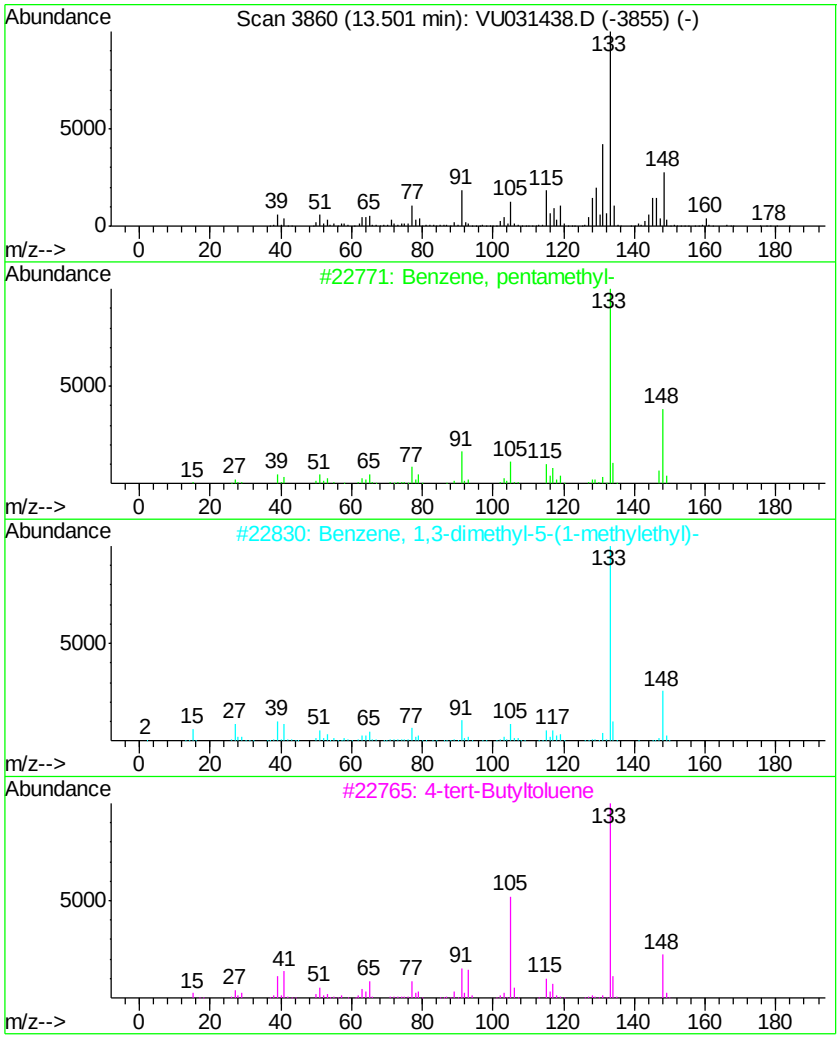
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

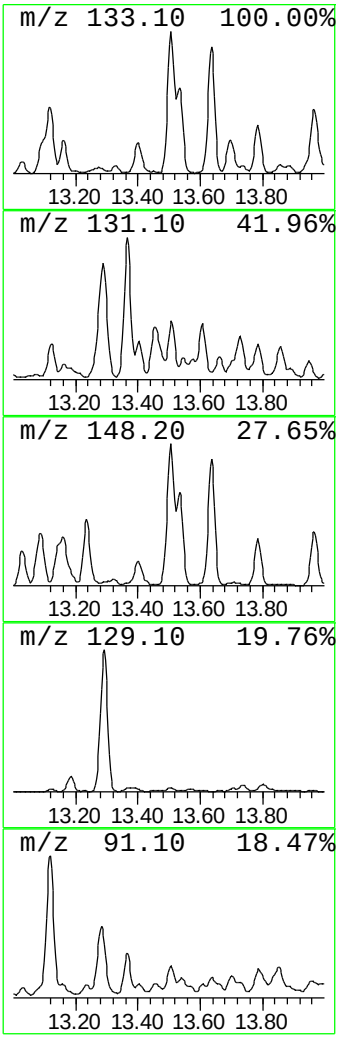
****

Peak Number 28 Benzene, pentamethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	63.19 ug/L	2570440	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	49
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	46
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46





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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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

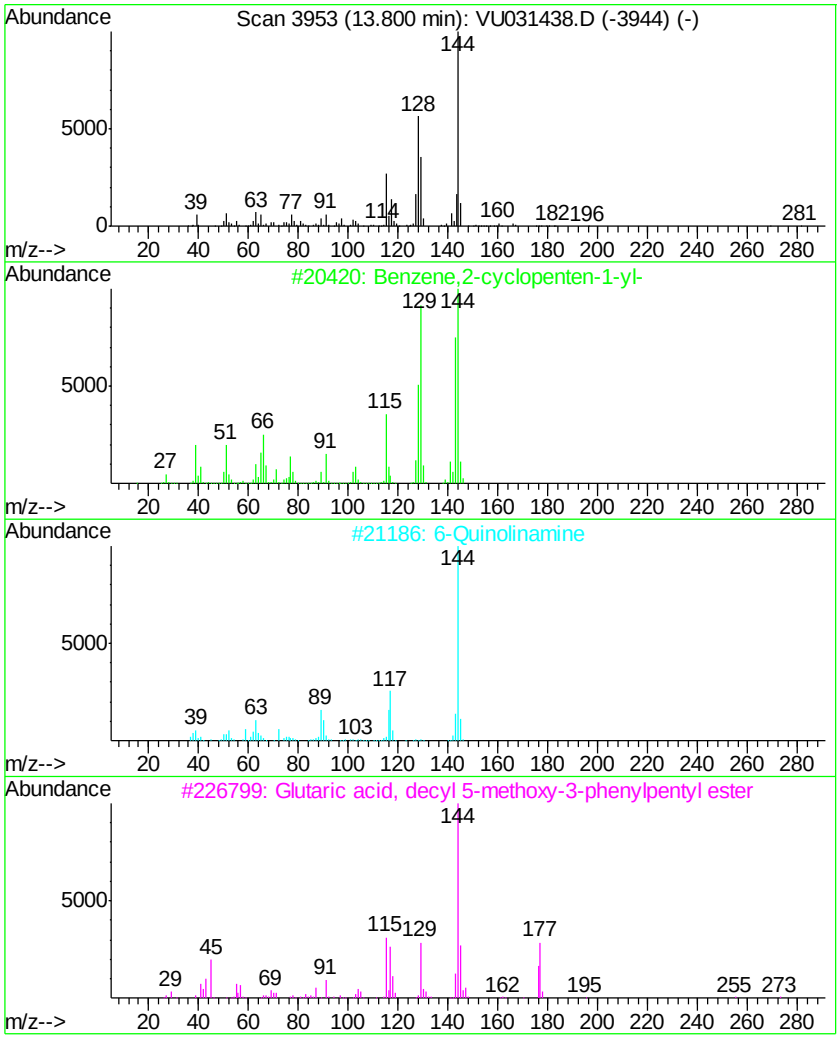
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

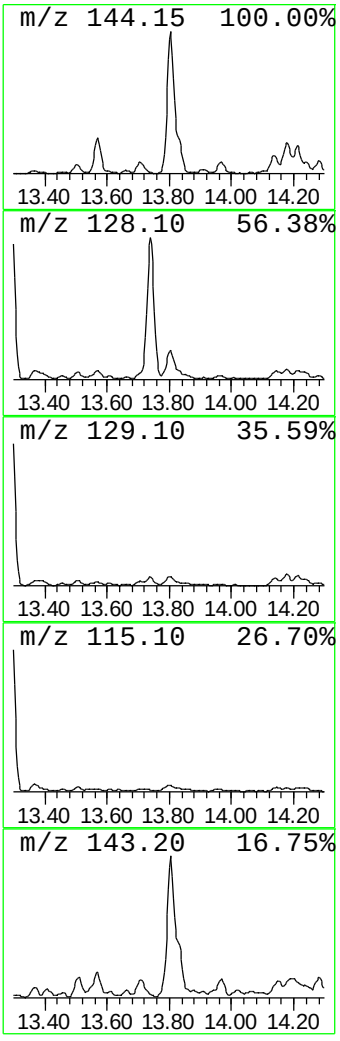
****

Peak Number 29 Benzene,2-cyclopenten-1-yl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	77.22 ug/L	3141300	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,2-cyclopenten-1-yl-	144	C11H12	037689-22-8	59
2	6-Quinolinamine	144	C9H8N2	000580-15-4	50
3	Glutaric acid, decyl 5-methoxy-3...	448	C27H44O5	1000359-53-6	50
4	1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	49
5	1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

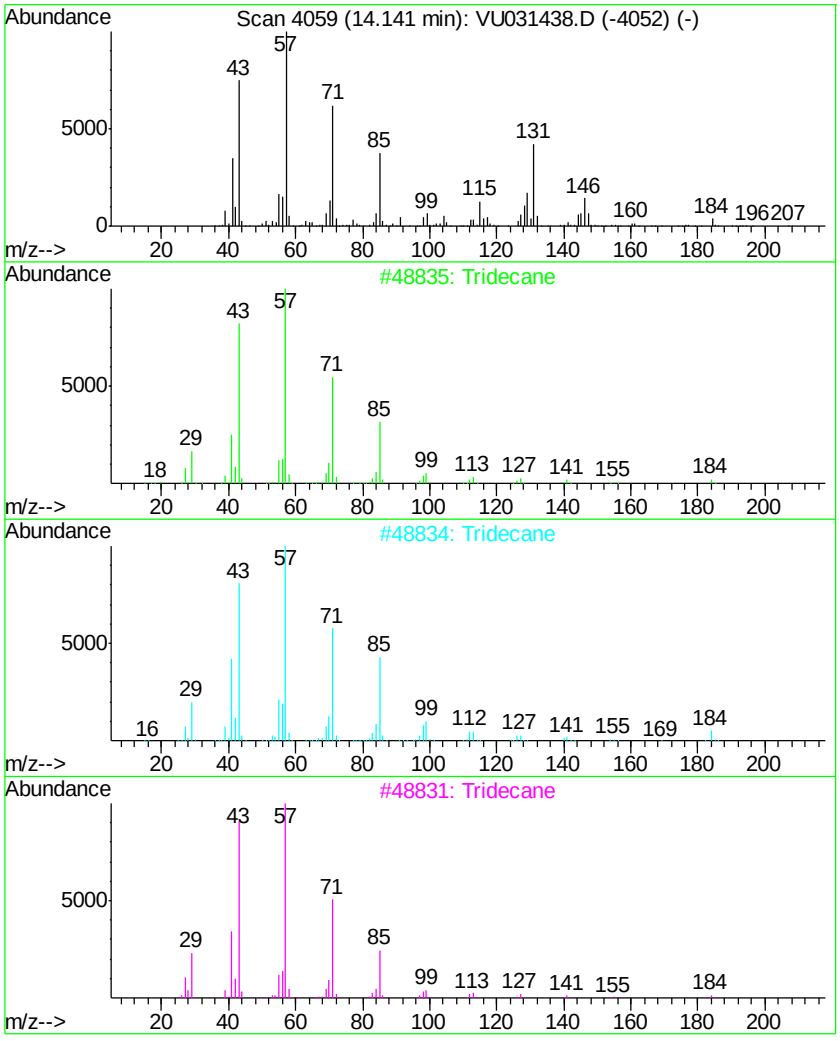
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

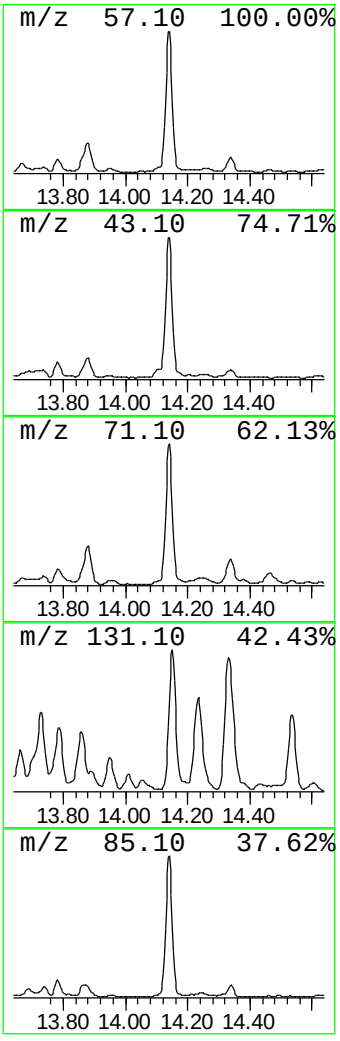
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	145.70 ug/L	5926670	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	60
3	Tridecane	184	C13H28	000629-50-5	50
4	4-Octanone	128	C8H16O	000589-63-9	43
5	Dodecane	170	C12H26	000112-40-3	38





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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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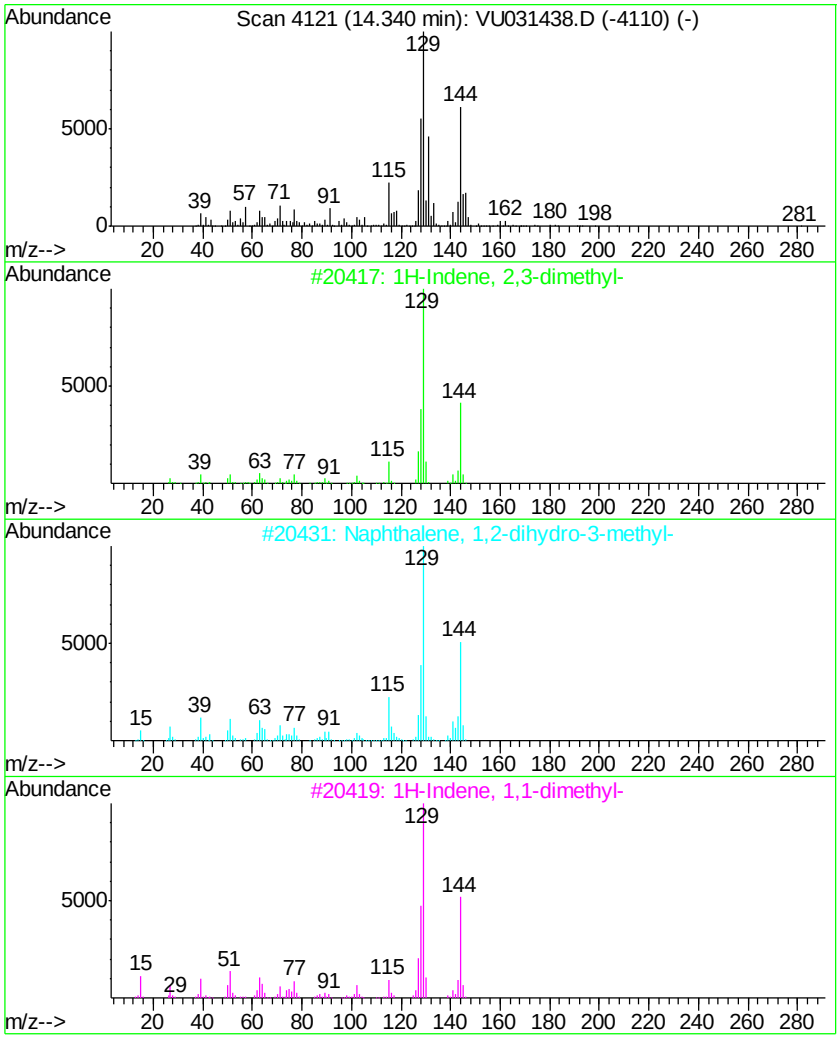
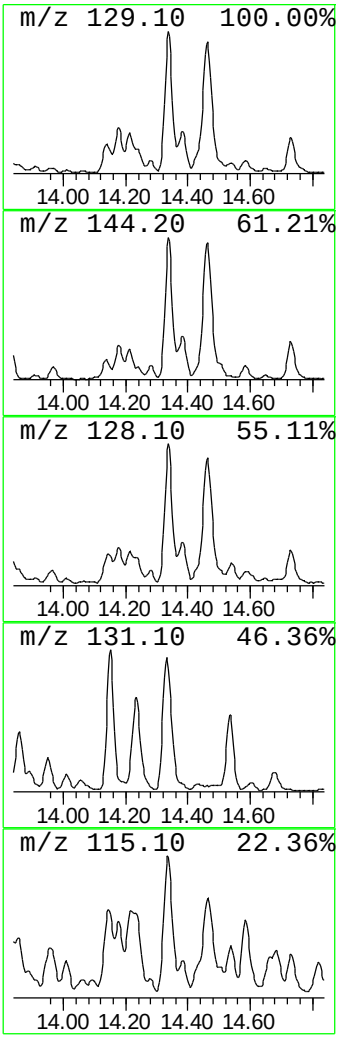
Peak Number 31 1H-Indene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	179.18 ug/L	7288480	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	89
2	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	86
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	76
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	76
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
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Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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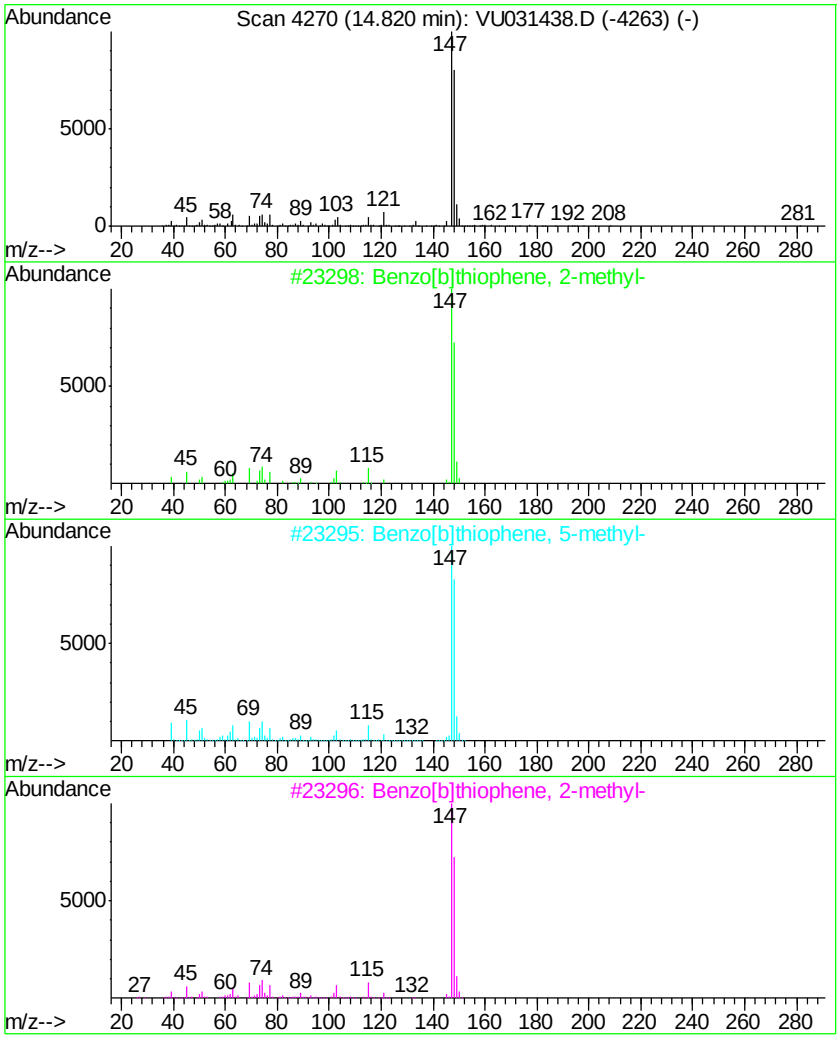
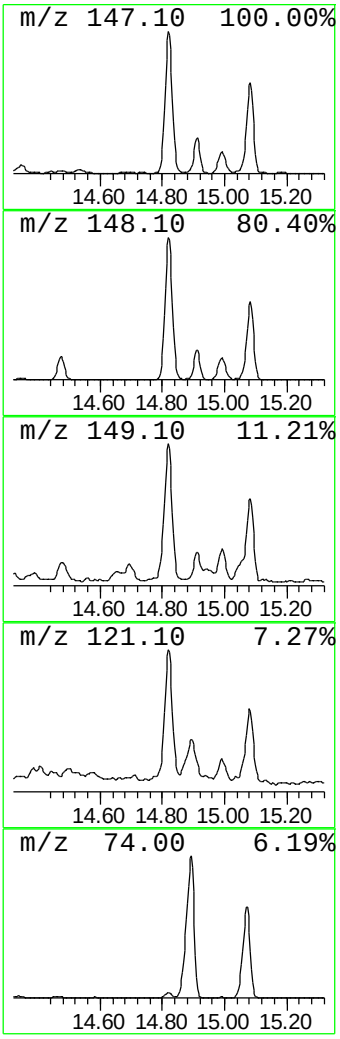
Peak Number 32 Benzo[b]thiophene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	68.41 ug/L	2782670	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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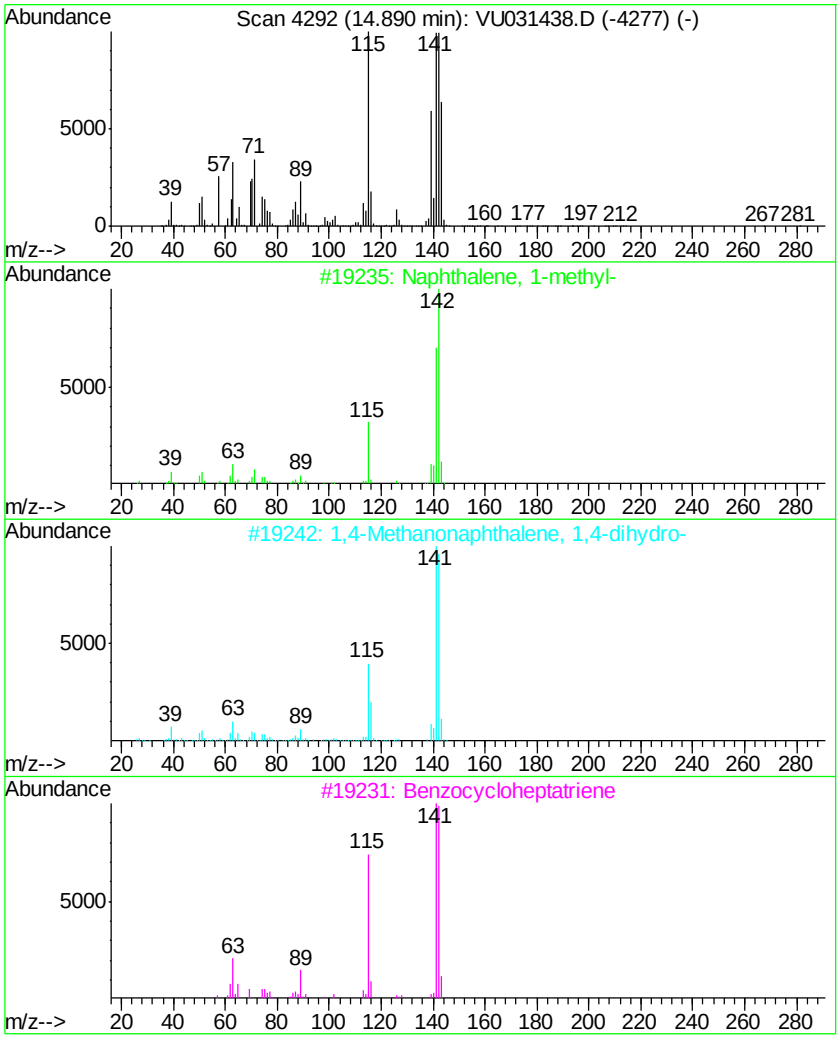
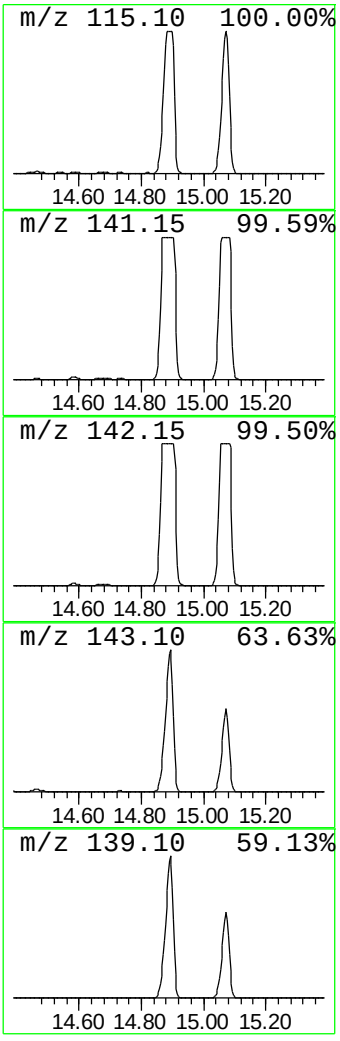
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4837.19 ug/L	196768000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89
3	Benzocycloheptatriene	142	C11H10	000264-09-5	86
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	76
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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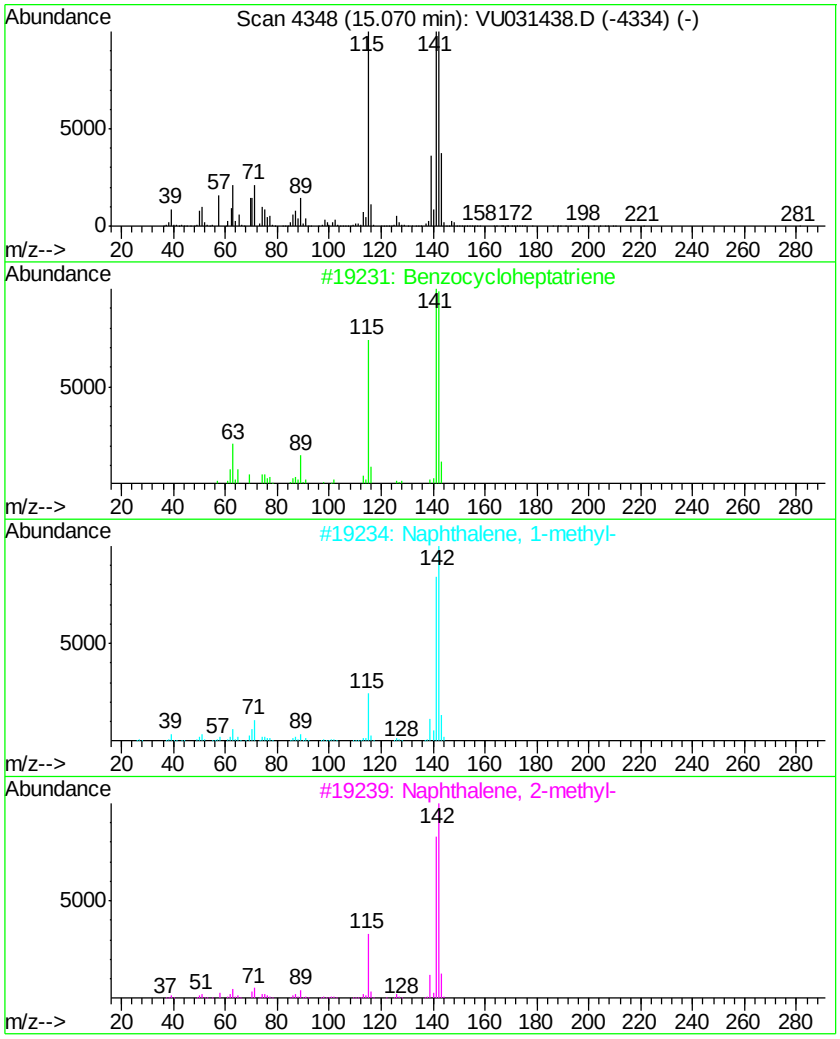
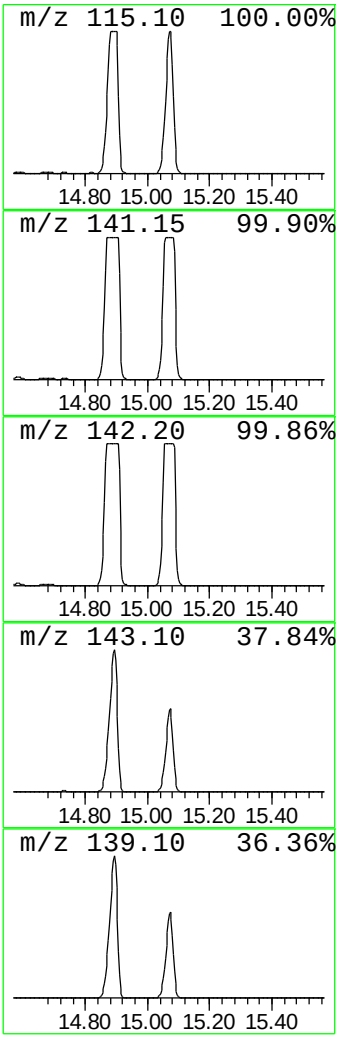
Peak Number 34 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3244.50 ug/L	131980000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	89
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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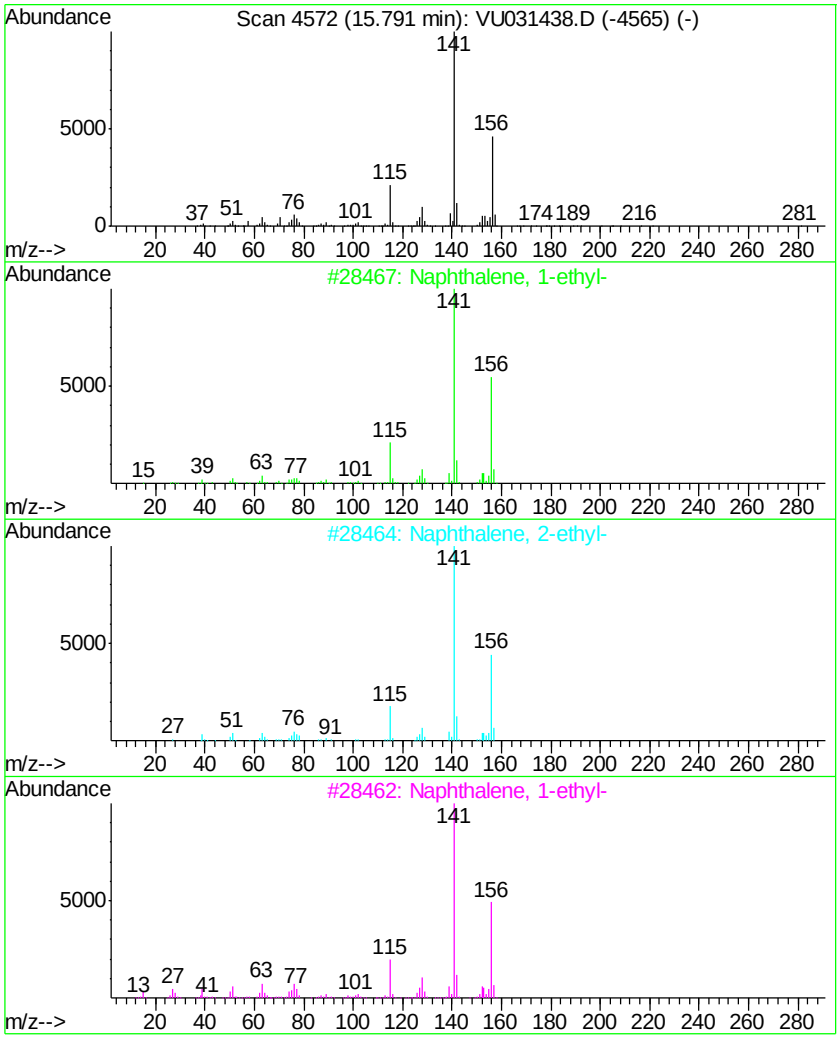
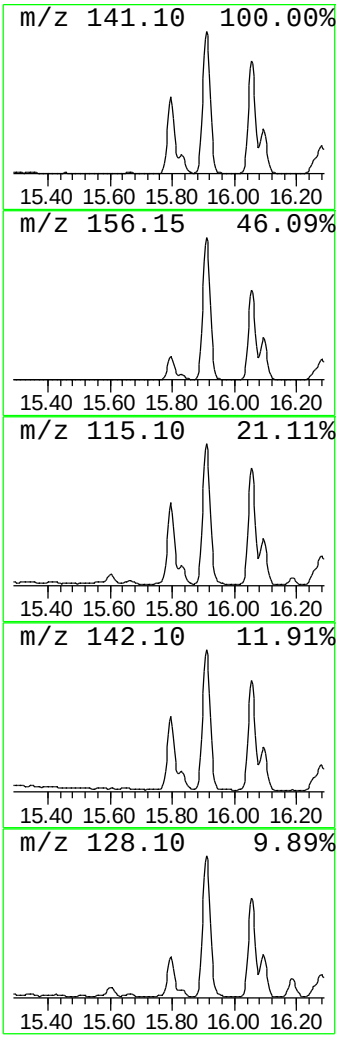
Peak Number 36 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	59.19 ug/L	2407640	1,4-Dichlorobenzene-d4	11.49

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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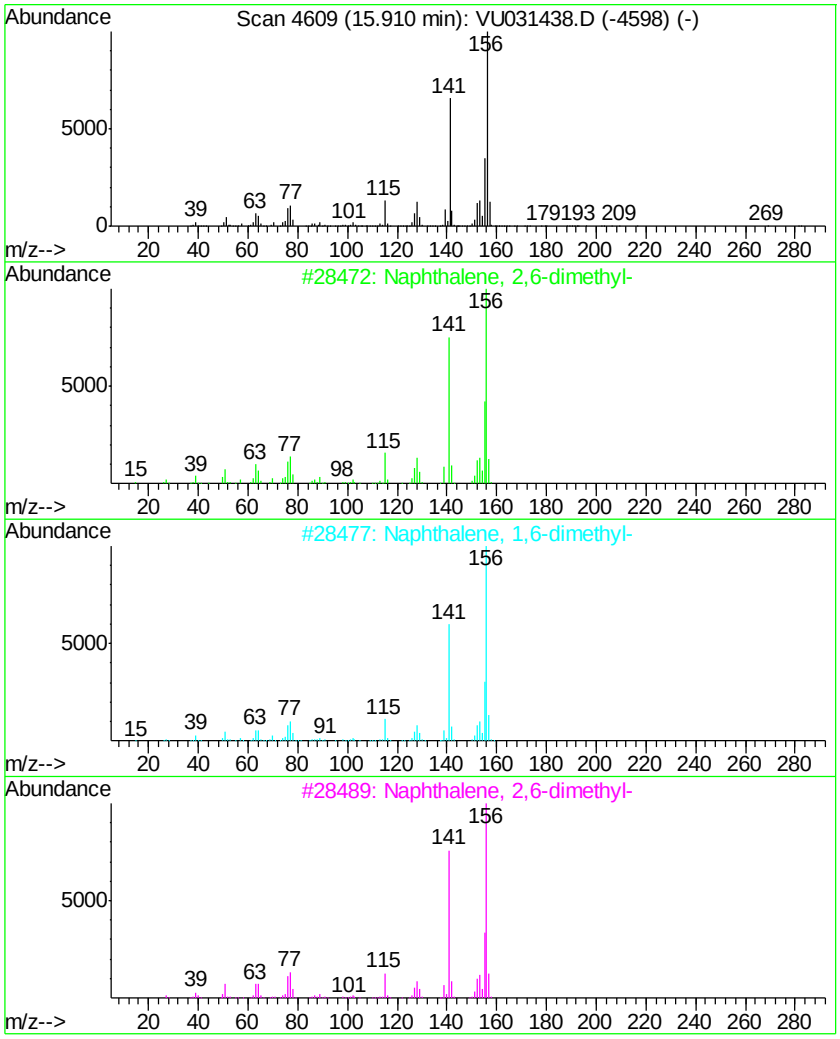
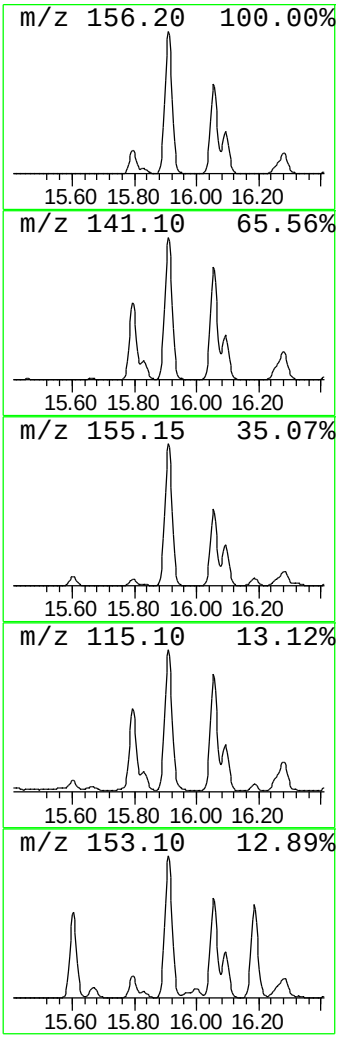
Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	259.86 ug/L	10570500	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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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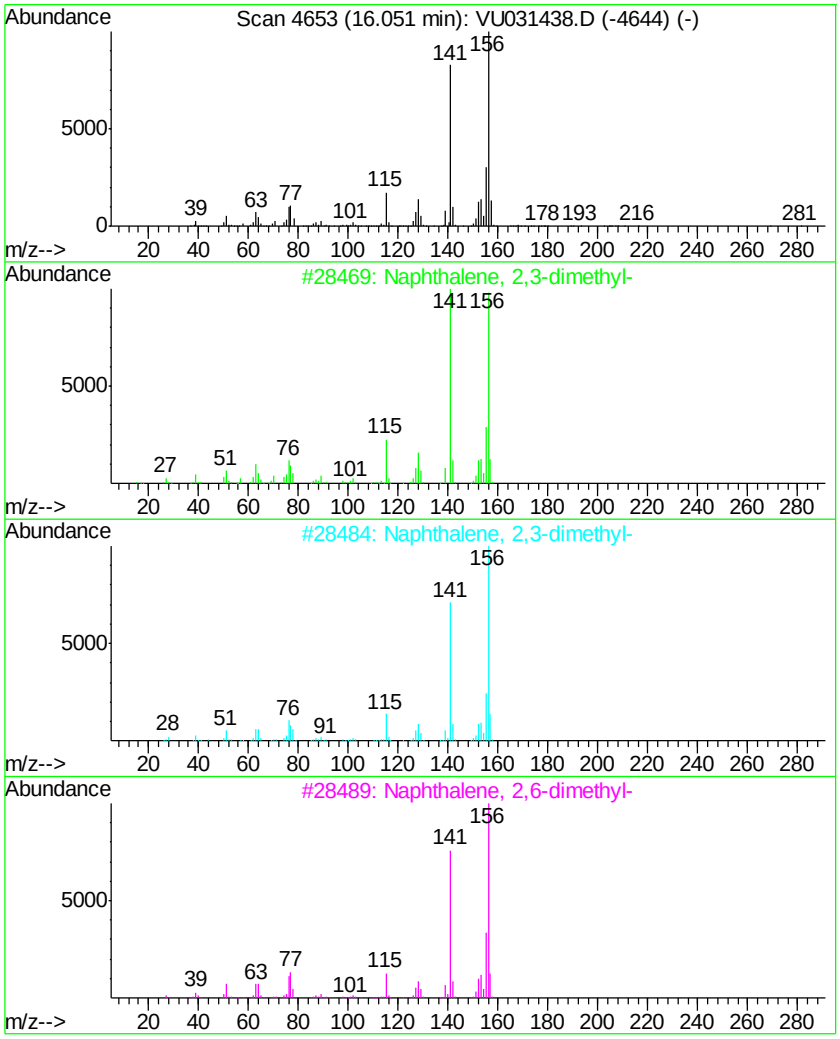
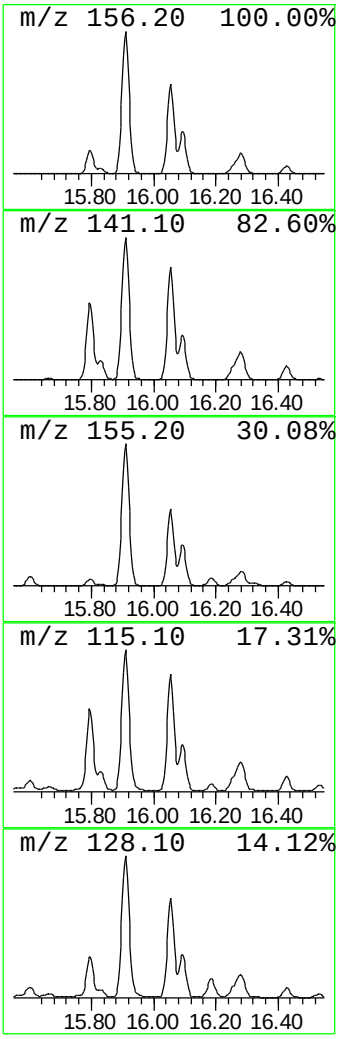
Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	161.21 ug/L	6557690	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031438.D
Acq On : 23 Apr 2019 15:13
Operator : JC/SP
Sample : K2481-15
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHW8

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, 2-propenyl-	10.51	2.8	ug/L	111972	3	11.49	2033900	50.0
Benzene, propyl-	10.59	3.9	ug/L	156718	3	11.49	2033900	50.0
Benzene, 1-ethyl-...	10.68	108.8	ug/L	4424620	3	11.49	2033900	50.0
Benzene, 1,2,3-tr...	10.77	118.8	ug/L	4833180	3	11.49	2033900	50.0
Benzene, 1-etheny...	11.22	173.8	ug/L	7068780	3	11.49	2033900	50.0
Indane	11.77	32.4	ug/L	1319680	3	11.49	2033900	50.0
(DEL) Alkane: Str...	12.02	6.4	ug/L	259698	3	11.49	2033900	50.0
Benzene, 4-ethyl-...	12.15	9.1	ug/L	369406	3	11.49	2033900	50.0
Benzene, 1-methyl...	12.22	12.9	ug/L	526817	3	11.49	2033900	50.0
Benzene, 1-etheny...	12.30	30.7	ug/L	1247190	3	11.49	2033900	50.0
Benzene, (2-methy...	12.42	239.9	ug/L	9757760	3	11.49	2033900	50.0
2,4-Dimethylstyrene	12.48	54.4	ug/L	2212370	3	11.49	2033900	50.0
Benzene, 2-ethyl-...	12.55	10.1	ug/L	410682	3	11.49	2033900	50.0
Benzene, 1,2,4,5-...	12.65	81.4	ug/L	3311480	3	11.49	2033900	50.0
Benzene, 2-butenyl-	12.76	47.0	ug/L	1912140	3	11.49	2033900	50.0
Benzene, 1-etheny...	12.82	285.1	ug/L	11595900	3	11.49	2033900	50.0
Benzene, 1-methyl...	12.96	55.8	ug/L	2271050	3	11.49	2033900	50.0
Benzenepropanal, ...	13.03	7.9	ug/L	320403	3	11.49	2033900	50.0
6,7-Dimethyl-3,5,...	13.12	444.2	ug/L	18069900	3	11.49	2033900	50.0
2-Methylindene	13.29	929.3	ug/L	37803300	3	11.49	2033900	50.0
Benzene, 1-methyl...	13.37	93.7	ug/L	3810810	3	11.49	2033900	50.0
Benzene, pentamet...	13.50	63.2	ug/L	2570440	3	11.49	2033900	50.0
Benzene,2-cyclope...	13.80	77.2	ug/L	3141300	3	11.49	2033900	50.0
(DEL) Alkane: Str...	14.14	145.7	ug/L	5926670	3	11.49	2033900	50.0
1H-Indene, 2,3-di...	14.34	179.2	ug/L	7288480	3	11.49	2033900	50.0
Benzo[b]thiophene...	14.82	68.4	ug/L	2782670	3	11.49	2033900	50.0
Naphthalene, 1-me...	14.89	4837.2	ug/L	196768000	3	11.49	2033900	50.0
Benzocycloheptatr...	15.07	3244.5	ug/L	131980000	3	11.49	2033900	50.0
Naphthalene, 1-et...	15.79	59.2	ug/L	2407640	3	11.49	2033900	50.0
Naphthalene, 2,6-...	15.91	259.9	ug/L	10570500	3	11.49	2033900	50.0
Naphthalene, 2,3-...	16.05	161.2	ug/L	6557690	3	11.49	2033900	50.0