LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

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\SOMULM012920WMA.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	1.610	77	84	94	rBV	96013	100437	0.20%	0.071%
2	1.890	166	171	192	rVB	43206	55613	0.11%	0.039%
3	2.401	327	330	332	rVB3	603	378	0.00%	0.000%
4	2.578	372	385	403	rBV	153190	251188	0.50%	0.177%
5	2.665	405	412	422	rVV3	2329	4063	0.01%	0.003%
6	2.884	474	480	484	rBV	192	276	0.00%	0.000%
7	2.983	505	511	515	rBB2	311	404	0.00%	0.000%
8	3.070	533	538	545	rVB2	1102	1578	0.00%	0.001%
9	3.150	560	563	571	rBV	159	283	0.00%	0.000%
10	3.221	571	585	598	rBV	9250	21078	0.04%	0.015%
11	4.549	994	998	1001	rBV2	374	403	0.00%	0.000%
12	4.681	1024	1039	1081	rVB2	64253	190268	0.38%	0.134%
13	5.105	1150	1171	1192	rBV	135385	304253	0.61%	0.214%
14	5.179	1192	1194	1199	rVV2	507	459	0.00%	0.000%
15	5.240	1209	1213	1217	rVV2	255	314	0.00%	0.000%
16	5.408	1260	1265	1267	rBV3	436	418	0.00%	0.000%
17	5.761	1354	1375	1387	rBV2	320892	828724	1.66%	0.583%
18	5.945	1427	1432	1438	rVB2	280	364	0.00%	0.000%
19	6.022	1450	1456	1462	rVB4	400	494	0.00%	0.000%
20	6.285	1522	1538	1557	rVV	322618	595906	1.20%	0.419%
21	6.562	1613	1624	1636	rVB2	10317	17660	0.04%	0.012%
22	6.639	1641	1648	1654	rBV2	636	902	0.00%	0.001%
23	6.726	1661	1675	1694	rBV	188647	366184	0.73%	0.258%
24	6.845	1708	1712	1716	rVB2	580	497	0.00%	0.000%
25	7.218	1819	1828	1836	rVV4	1403	2331	0.00%	0.002%
26	7.597	1931	1946	1962	rVV	110329	191618	0.38%	0.135%
27	7.719	1974	1984	1991	rVB3	1185	1773	0.00%	0.001%
28	7.819	2005	2015	2025	rVB6	2452	4383	0.01%	0.003%
29	7.928	2034	2049	2061	rBV	424316	719410	1.44%	0.506%
30	7.999	2061	2071	2091	rVV	170815	290401	0.58%	0.204%
31	8.211	2125	2137	2150	rVV	77831	130831	0.26%	0.092%
32	8.285	2154	2160	2161	rVV2	349	279	0.00%	0.000%
33	8.298	2161	2164	2172	rVB2	559	697	0.00%	0.000%
34	8.581	2240	2252	2266	rBV	106259	176256	0.35%	0.124%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

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\SOMULM012920WMA.M
Title : VOC Analysis

35	8.671	2266	2280	2304	rBV	317295	535648	1.07%	0.377%
36	8.948	2362	2366	2372	rVV2	480	622	0.00%	0.000%
37	9.446	2507	2521	2537	rBV	471624	771970	1.55%	0.543%
38	9.597	2555	2568	2584	rBV	150205	240161	0.48%	0.169%
39	9.719	2592	2606	2619	rBV	793256	1298167	2.60%	0.913%
40	9.886	2650	2658	2667	rBV3	1425	2323	0.00%	0.002%
41	10.137	2720	2736	2763	rVB3	1648326	3094055	6.21%	2.177%
42	10.269	2769	2777	2785	rBV5	1904	3815	0.01%	0.003%
43	10.333	2794	2797	2800	rBV2	532	369	0.00%	0.000%
44	10.378	2805	2811	2819	rVB7	2919	4732	0.01%	0.003%
45	10.507	2842	2851	2861	rBV3	5876	9615	0.02%	0.007%
46	10.549	2861	2864	2865	rBV2	847	526	0.00%	0.000%
47	10.784	2924	2937	2948	rBV	319117	503314	1.01%	0.354%
48	10.851	2950	2958	2969	rVB	37595	62664	0.13%	0.044%
49	10.928	2974	2982	2995	rVV	41815	65754	0.13%	0.046%
50	11.021	3001	3011	3028	rBV	214485	490895	0.98%	0.345%
51	11.112	3029	3039	3056	rVB	328847	553916	1.11%	0.390%
52	11.337	3092	3109	3120	rBV2	186368	390095	0.78%	0.274%
53	11.488	3134	3156	3167	rBV	1007686	1603544	3.22%	1.128%
54	11.558	3167	3178	3186	rVV	1483834	2249468	4.51%	1.583%
55	11.607	3186	3193	3205	rVB	538131	807833	1.62%	0.568%
56	11.755	3227	3239	3251	rVB2	48138	93726	0.19%	0.066%
57	11.835	3252	3264	3276	rBV	553134	884394	1.77%	0.622%
58	11.915	3278	3289	3297	rBV	349084	537343	1.08%	0.378%
59	11.967	3297	3305	3316	rVB	274152	407031	0.82%	0.286%
60	12.115	3344	3351	3370	rVV2	255775	488453	0.98%	0.344%
61	12.214	3373	3382	3396	rVB2	592508	996595	2.00%	0.701%
62	12.333	3407	3419	3433	rVB	7419596	11766153	23.60%	8.279%
63	12.488	3458	3467	3469	rBV2	40195	54556	0.11%	0.038%
64	12.558	3482	3489	3494	rBV	91731	138378	0.28%	0.097%
65	12.645	3507	3516	3528	rBV2	95160	184765	0.37%	0.130%
66	12.764	3544	3553	3564	rVB	376127	584199	1.17%	0.411%
67	12.825	3564	3572	3586	rBV2	96470	146482	0.29%	0.103%
68	12.989	3618	3623	3631	rVB	69191	92948	0.19%	0.065%
69	13.050	3632	3642	3653	rVV3	272558	541512	1.09%	0.381%
70	13.169	3669	3679	3687	rBV	288949	467770	0.94%	0.329%
71	13.311	3715	3723	3734	rVB2	69289	112053	0.22%	0.079%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

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\SOMULM012920WMA.M
Title : VOC Analysis

72	13.465	3759	3771	3782	rBV4	247740	530140	1.06%	0.373%
73	13.536	3783	3793	3806	rVB	1372230	2103787	4.22%	1.480%
74	13.645	3816	3827	3840	rVB	1414085	2348017	4.71%	1.652%
75	13.745	3851	3858	3871	rVB	201597	313557	0.63%	0.221%
76	14.115	3957	3973	3990	rVB2	27293493	49855513	100.00%	35.079%
77	14.227	4001	4008	4025	rVB	311136	509855	1.02%	0.359%
78	14.462	4076	4081	4087	rBV2	49344	56845	0.11%	0.040%
79	14.690	4144	4152	4161	rBV2	155894	266977	0.54%	0.188%
80	14.819	4186	4192	4208	rVB2	143791	280534	0.56%	0.197%
81	14.941	4223	4230	4243	rVB	93530	149753	0.30%	0.105%
82	15.041	4248	4261	4268	rVV2	66098	174700	0.35%	0.123%
83	15.086	4269	4275	4292	rVB2	147303	247014	0.50%	0.174%
84	15.185	4300	4306	4311	rBV	65917	90062	0.18%	0.063%
85	15.243	4311	4324	4346	rVB	12567822	20466611	41.05%	14.400%
86	15.352	4352	4358	4367	rVB	68235	102618	0.21%	0.072%
87	15.426	4368	4381	4405	rVB	7247567	11578466	23.22%	8.147%
88	15.967	4538	4549	4560	rBV	1734865	2628008	5.27%	1.849%
89	16.160	4601	4609	4616	rBV	492736	685072	1.37%	0.482%
90	16.275	4633	4645	4666	rBV	2215616	3878578	7.78%	2.729%
91	16.423	4680	4691	4697	rBV	2492003	3980757	7.98%	2.801%
92	16.552	4722	4731	4742	rVB	503368	786883	1.58%	0.554%
93	16.648	4744	4761	4782	rVB	638074	1667087	3.34%	1.173%
94	16.796	4798	4807	4825	rVB	344344	564307	1.13%	0.397%
95	16.896	4826	4838	4853	rBV	1876371	3095202	6.21%	2.178%
96	16.989	4861	4867	4879	rVB2	117042	180170	0.36%	0.127%
97	17.108	4895	4904	4918	rVB2	350895	631124	1.27%	0.444%
98	17.388	4984	4991	4997	rBV	91760	146852	0.29%	0.103%
99	17.549	5034	5041	5052	rVB3	132126	225906	0.45%	0.159%
100	17.616	5055	5062	5071	rVV2	85860	134709	0.27%	0.095%

Sum of corrected areas: 142125071

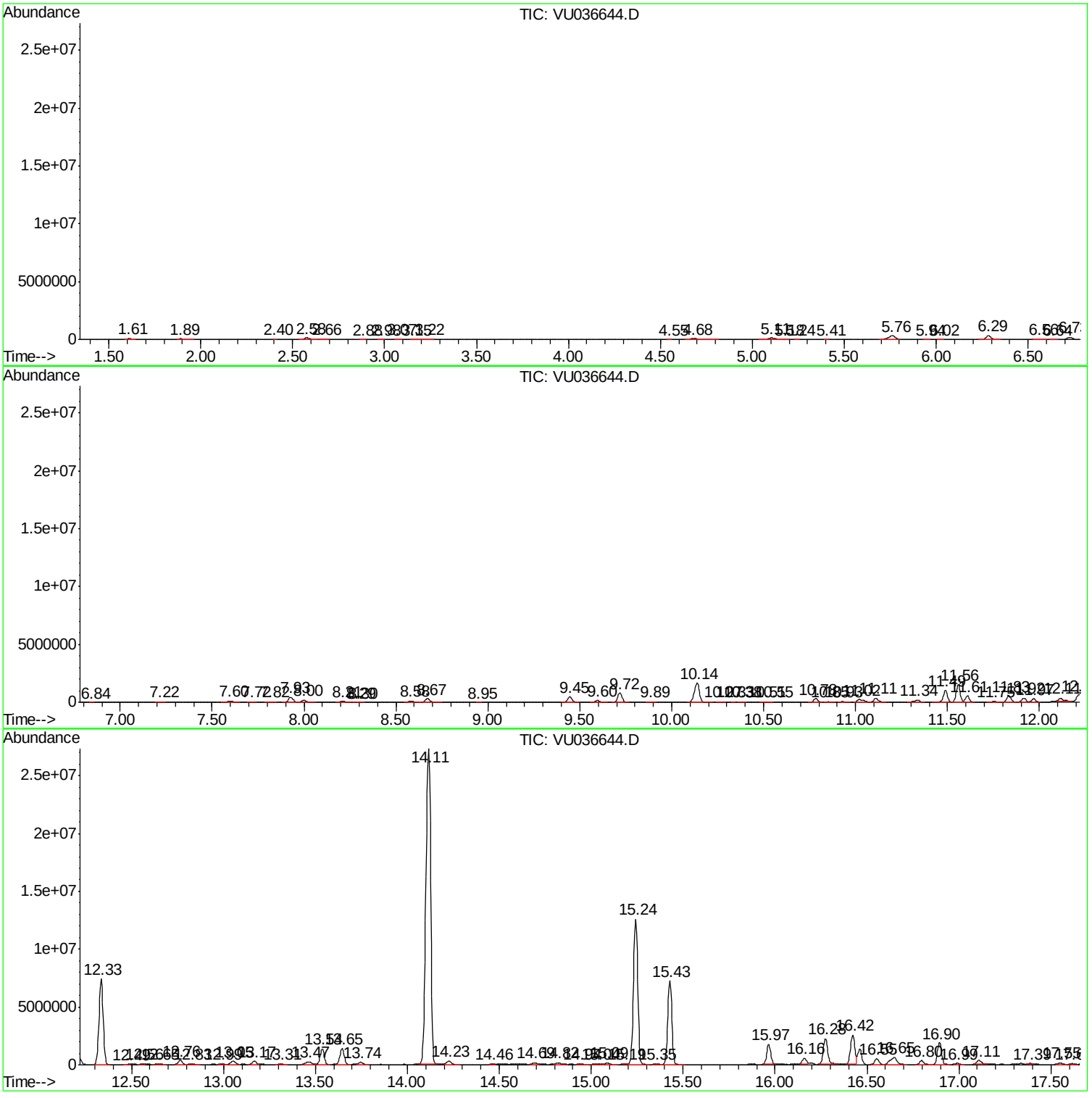
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

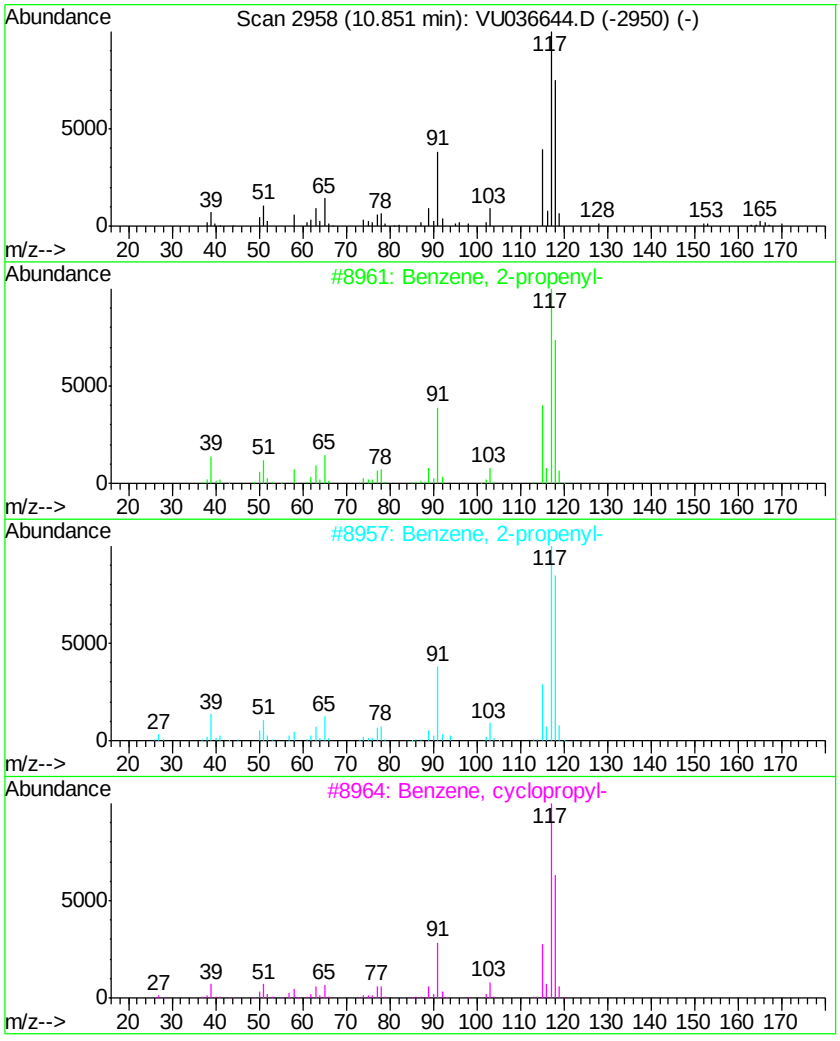
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

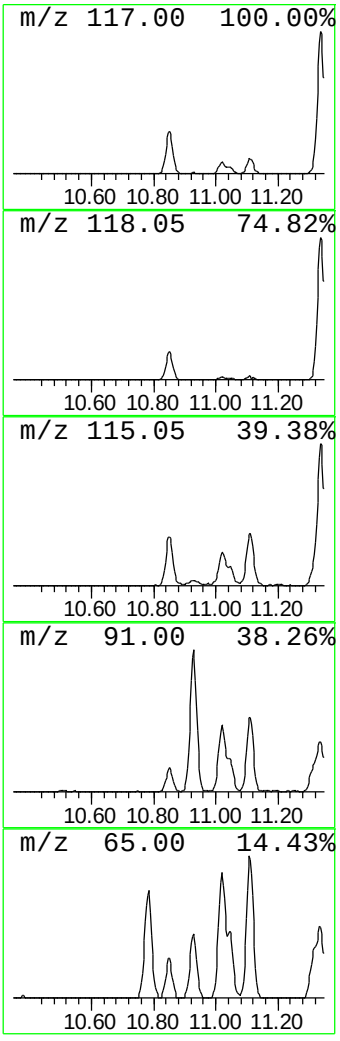
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	3.54 ug/L	62664	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

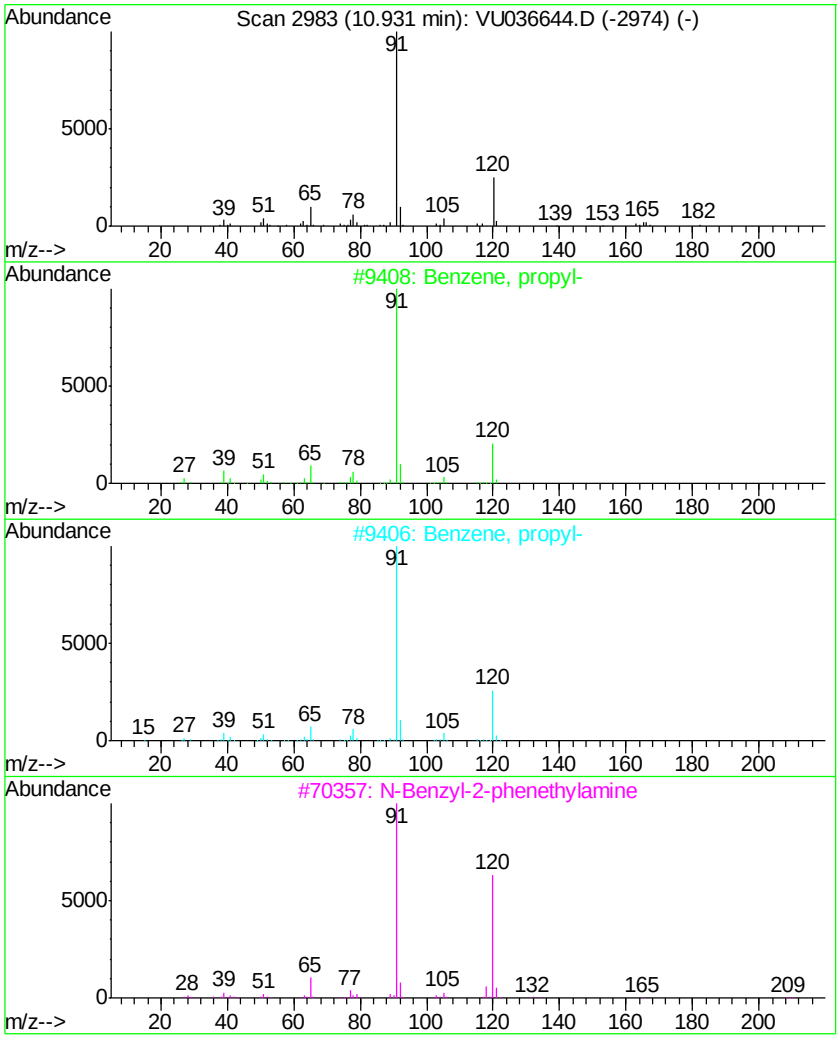
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

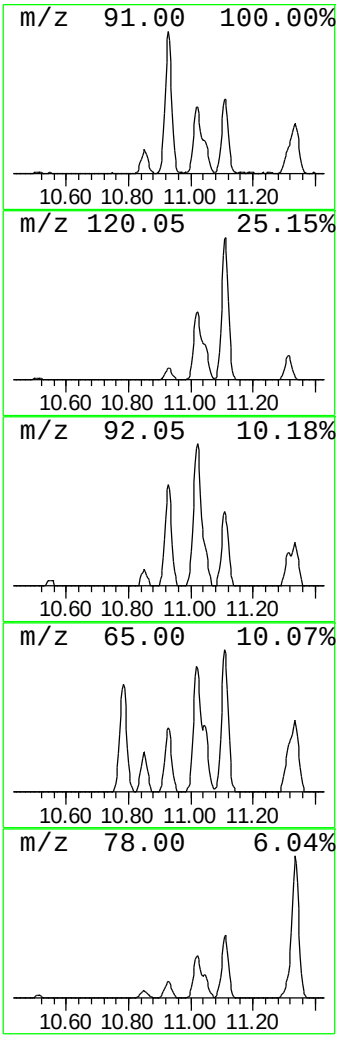
****

Peak Number 3 Benzene, propyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	3.72 ug/L	65754	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

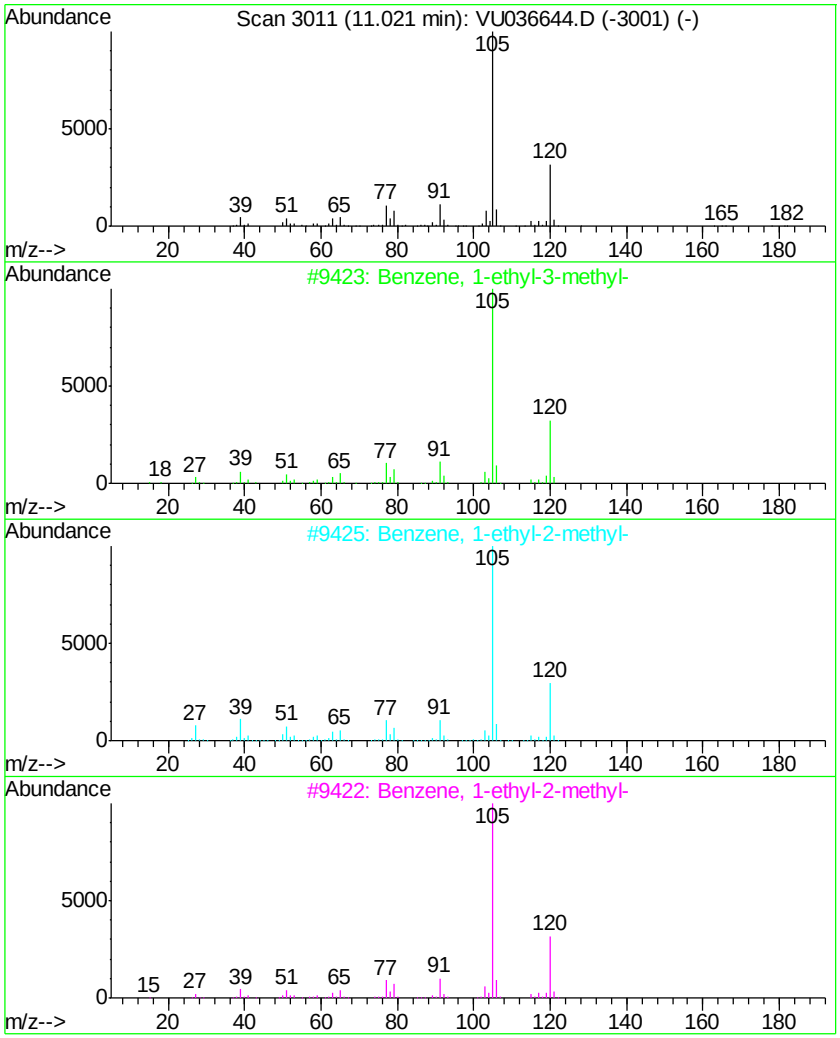
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

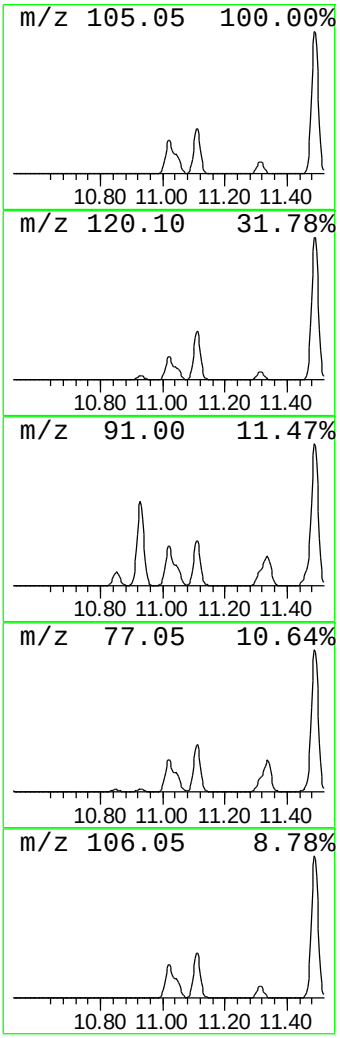
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	27.75 ug/L	490895	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

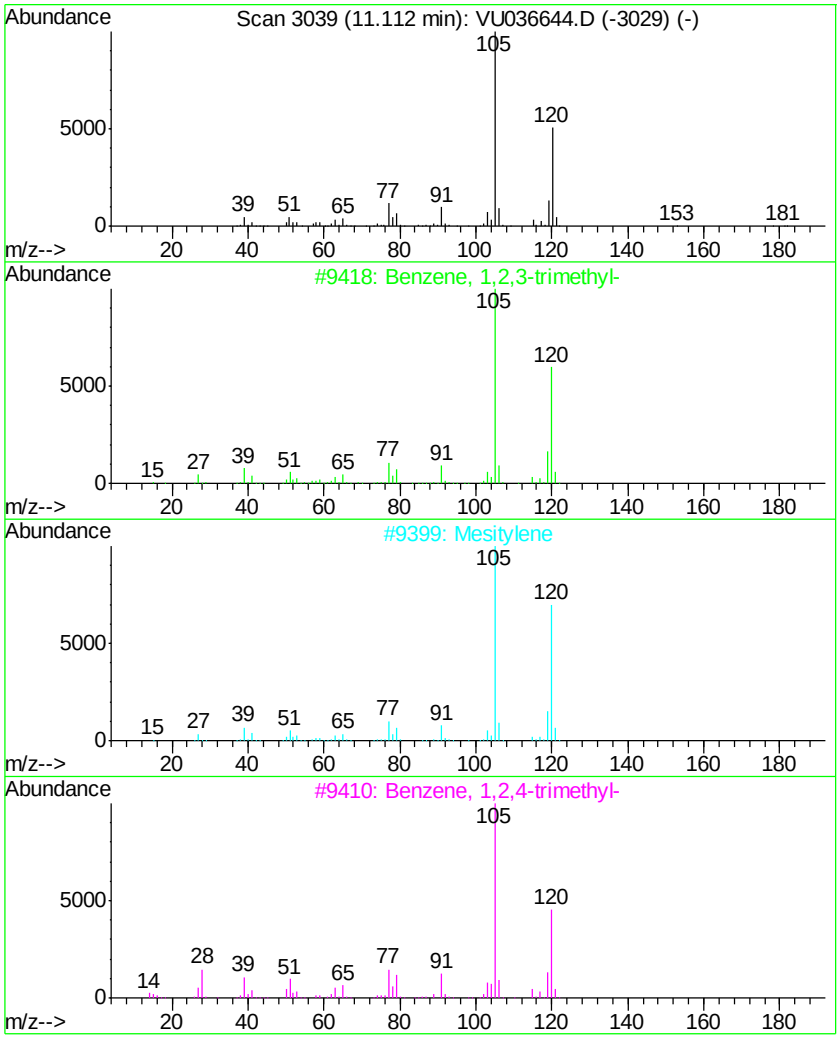
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

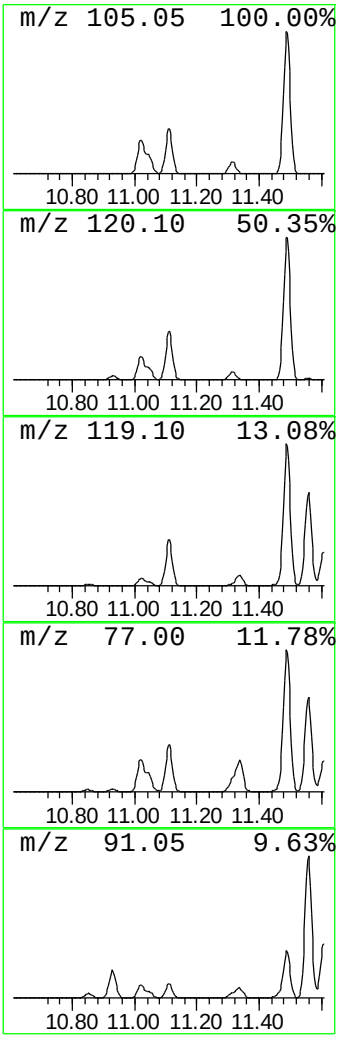
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	31.32 ug/L	553916	1,4-Dichlorobenzene-d4	11.83

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	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

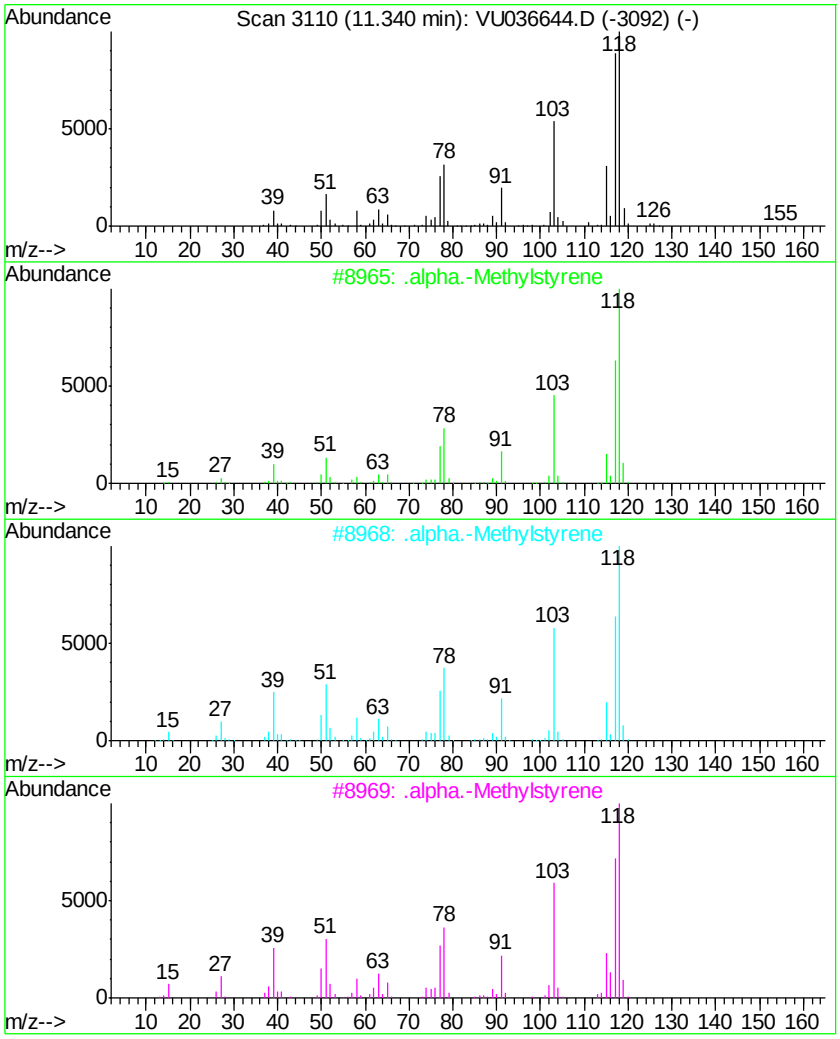
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

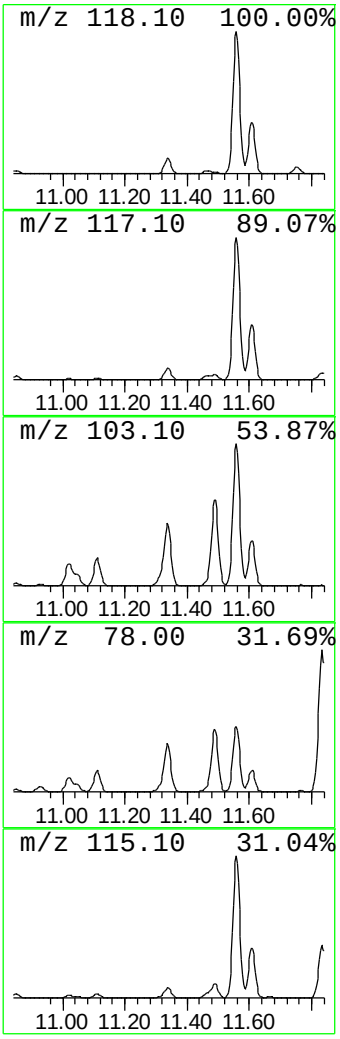
****

Peak Number 6 .alpha.-Methylstyrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	22.05 ug/L	390095	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	95
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
5	Benzeneethanol, .beta.-ethenyl-....	162	C11H14O	040596-14-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

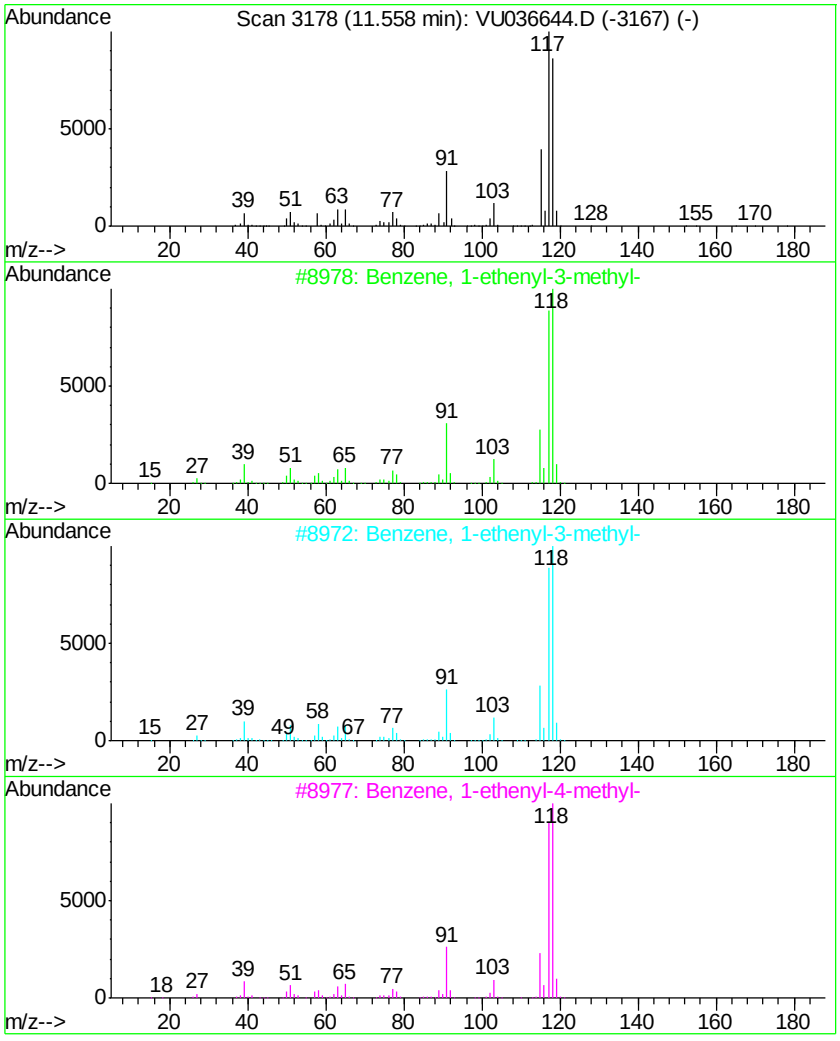
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

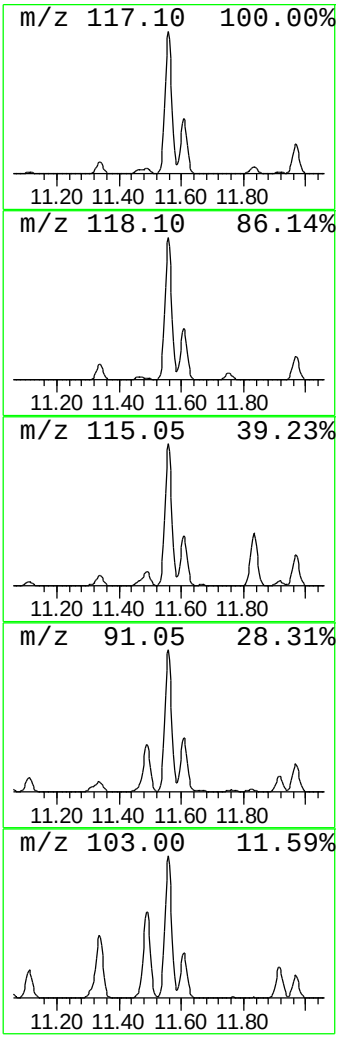
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	127.18 ug/L	2249470	1,4-Dichlorobenzene-d4	11.83

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, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

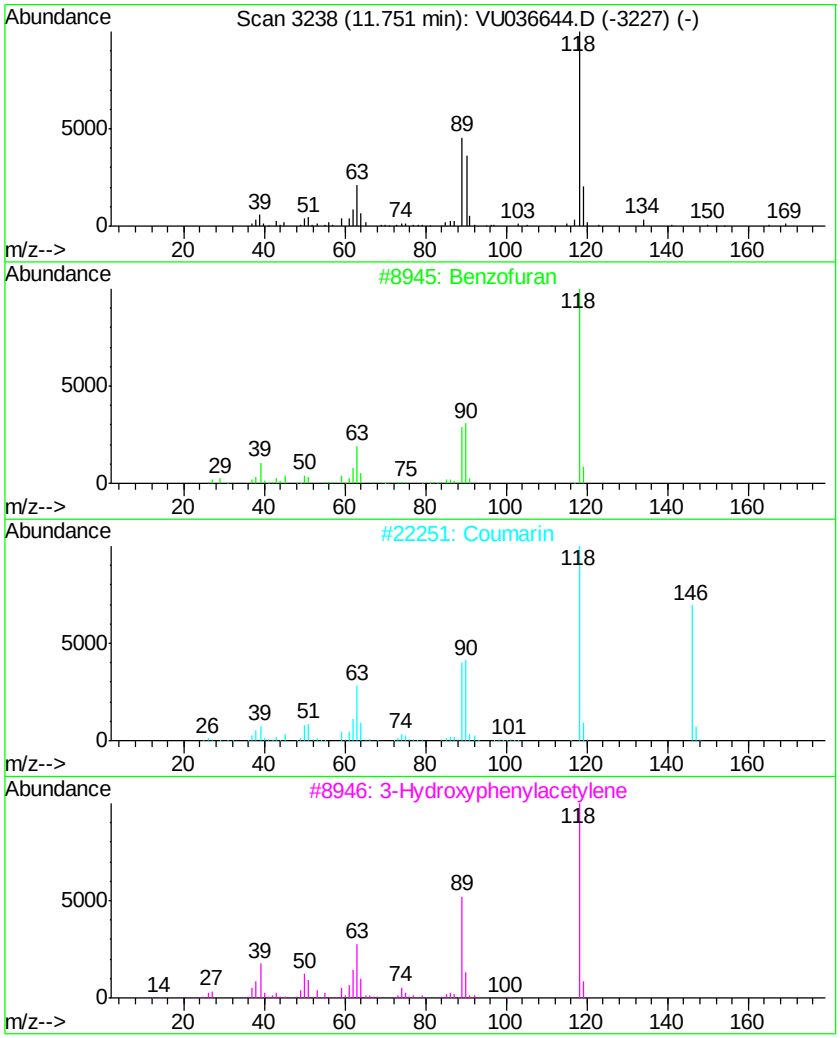
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

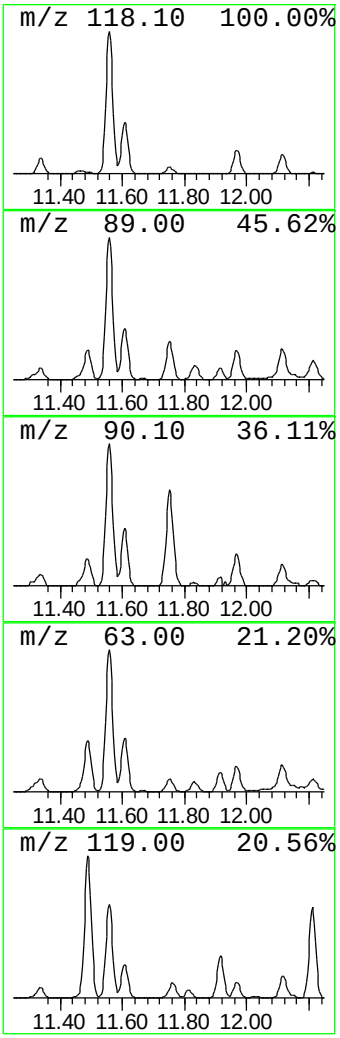
****

Peak Number 10 Benzofuran Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.30 ug/L	93726	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	93
2	Coumarin	146	C9H6O2	000091-64-5	72
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	72
4	Benzofuran	118	C8H6O	000271-89-6	58
5	1,2-Benzenedicarboxylic acid, 4-...	180	C9H8O4	004316-23-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

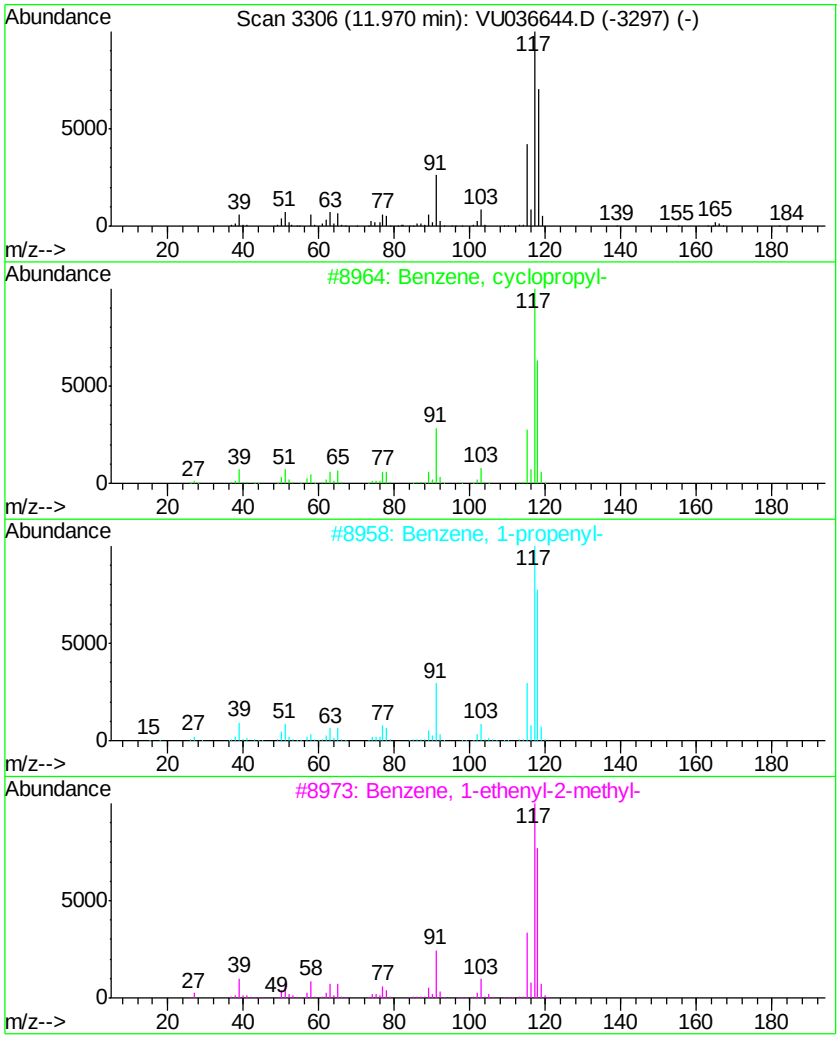
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

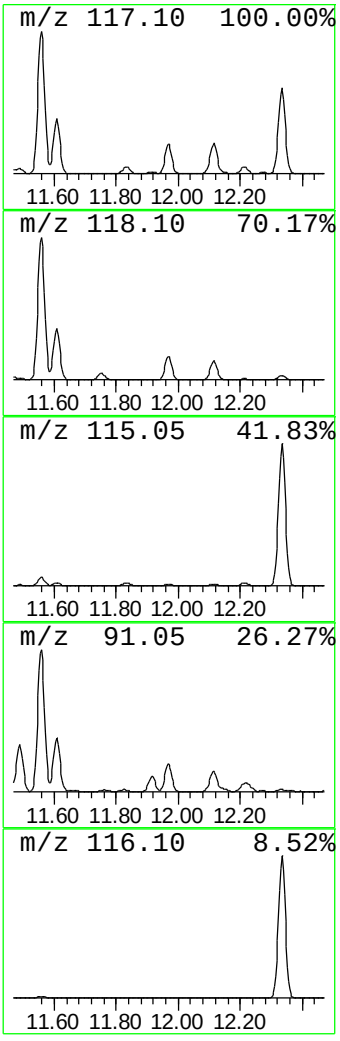
****

Peak Number 12 Benzene, cyclopropyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	23.01 ug/L	407031	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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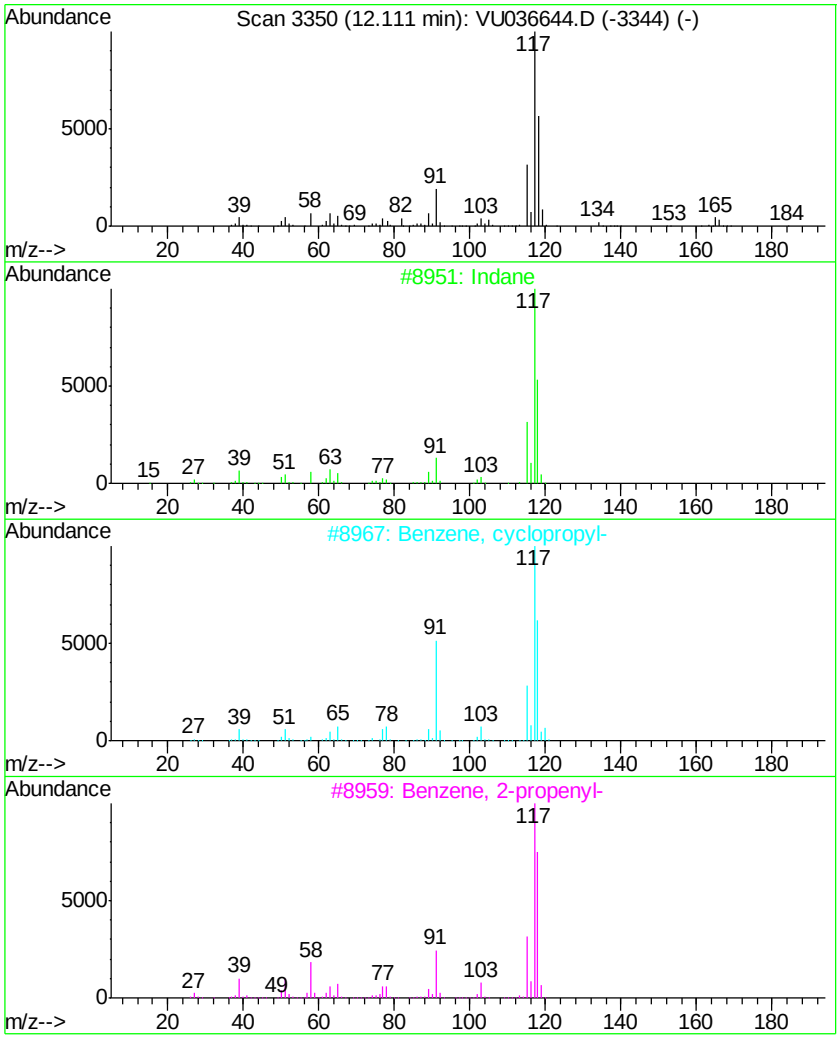
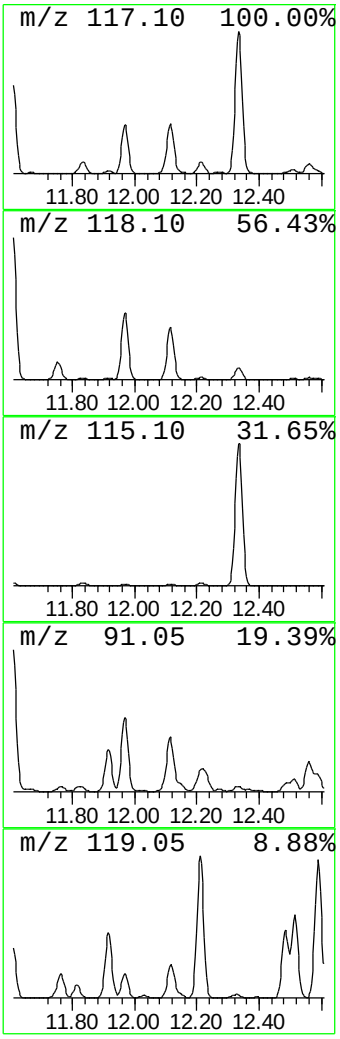
Peak Number 13 Indane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	27.62 ug/L	488453	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

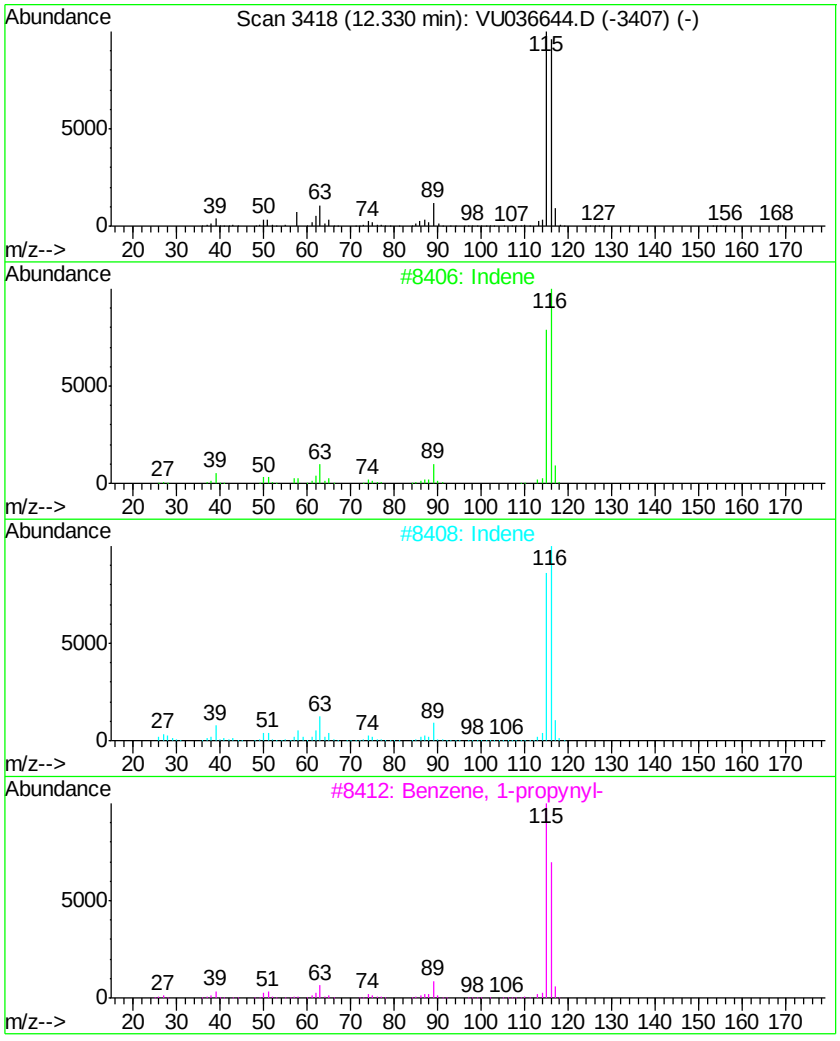
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

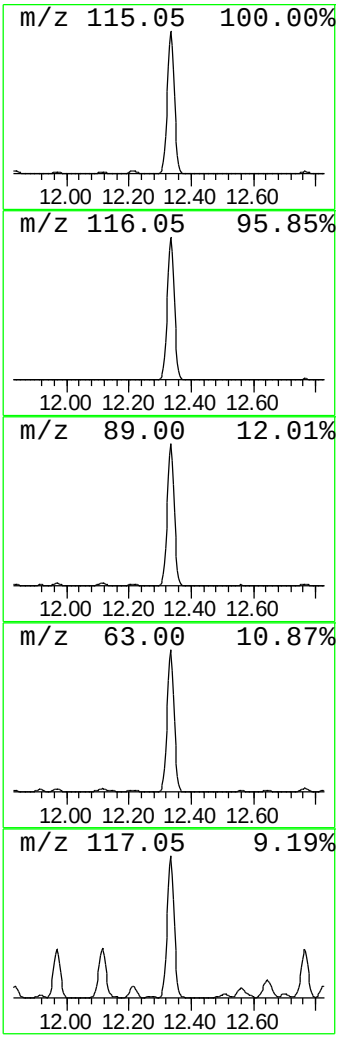
****

Peak Number 14 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	665.21 ug/L	11766200	1,4-Dichlorobenzene-d4	11.83

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





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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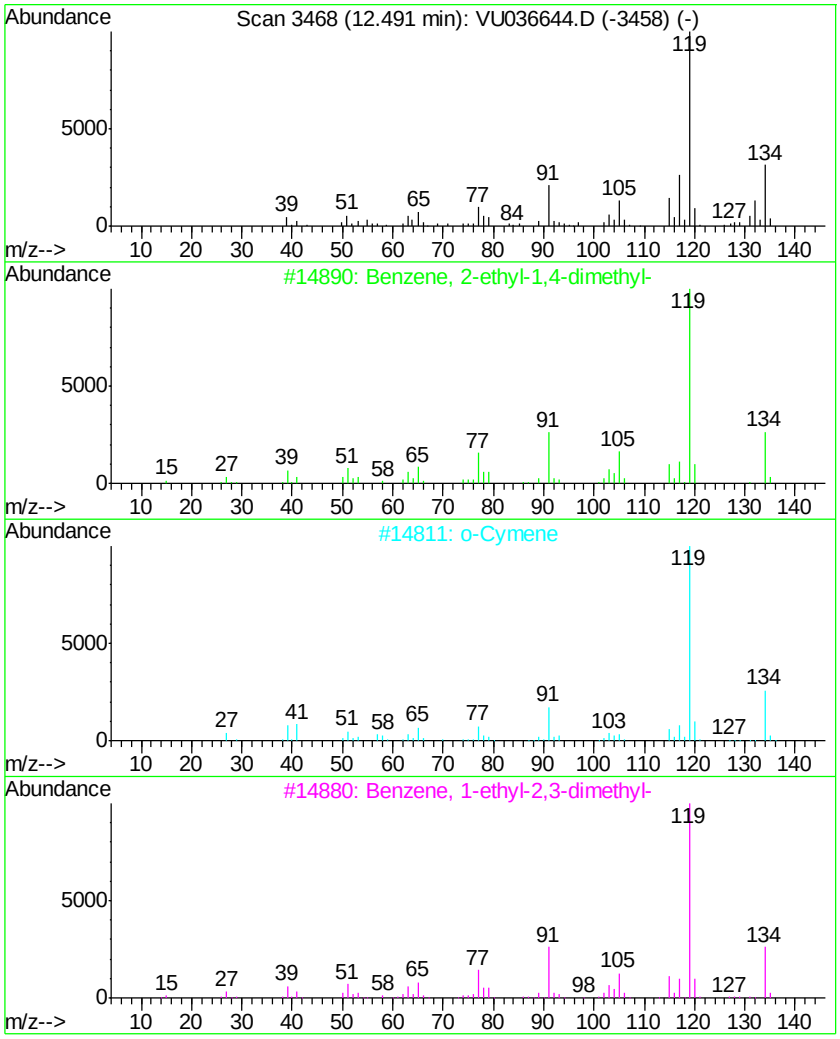
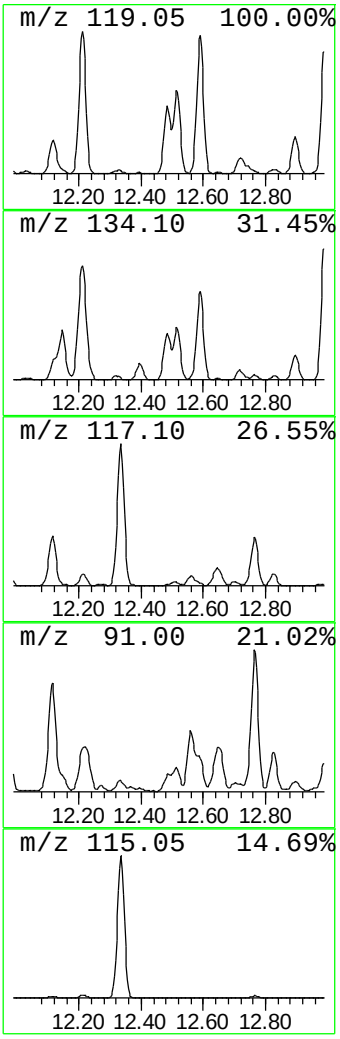
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.08 ug/L	54556	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

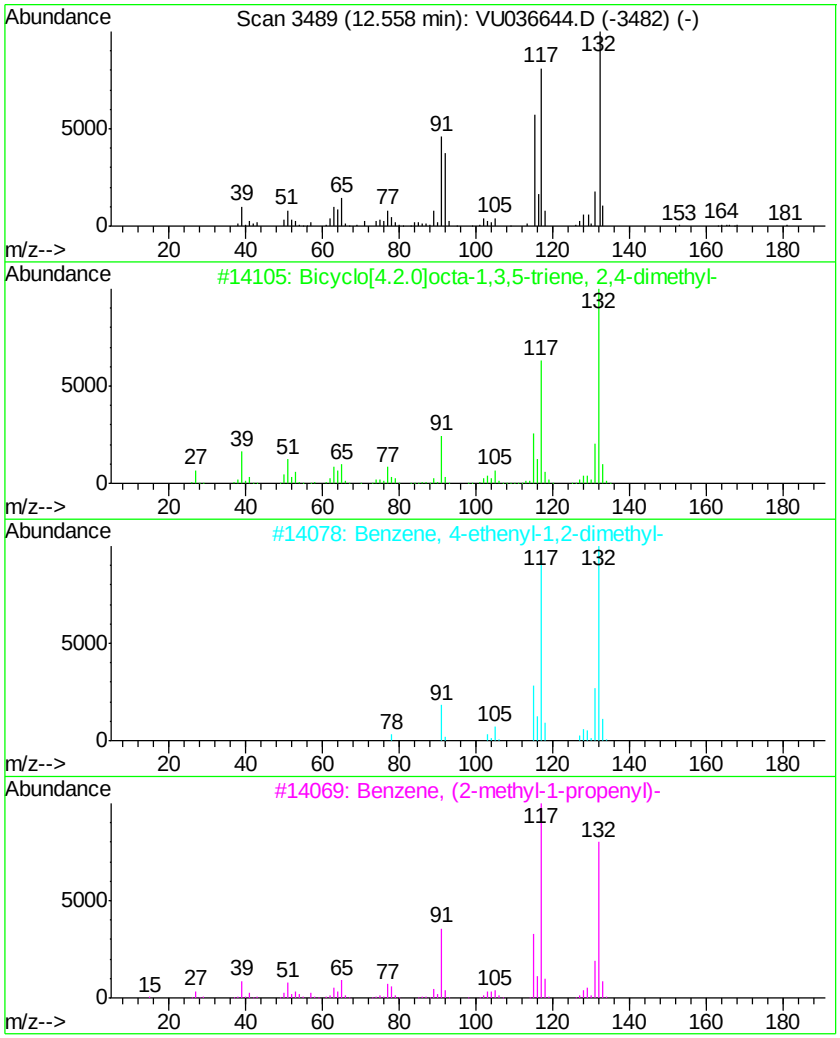
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

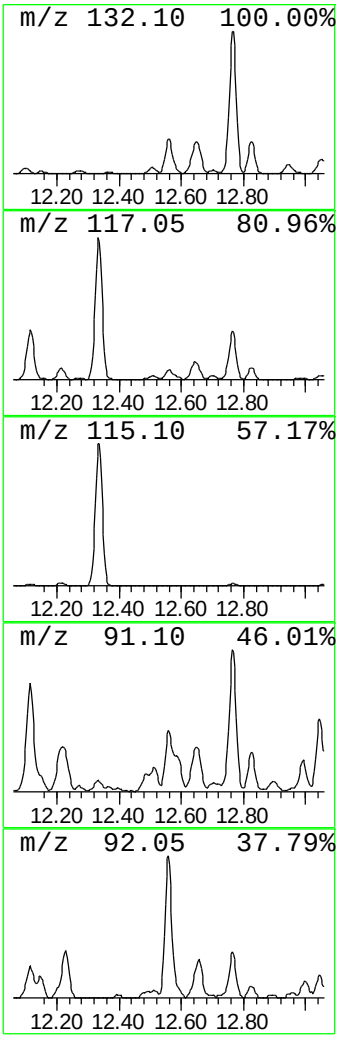
****

Peak Number 16 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	7.82 ug/L	138378	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	87
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	83
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	80





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Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

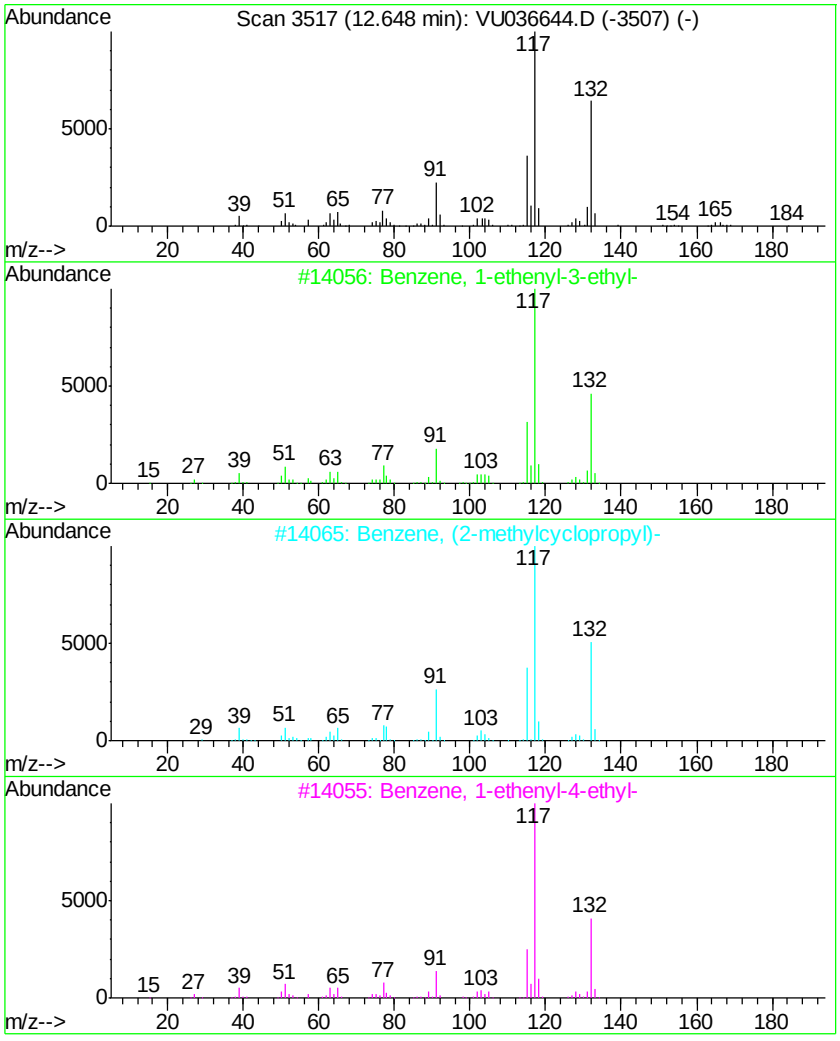
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

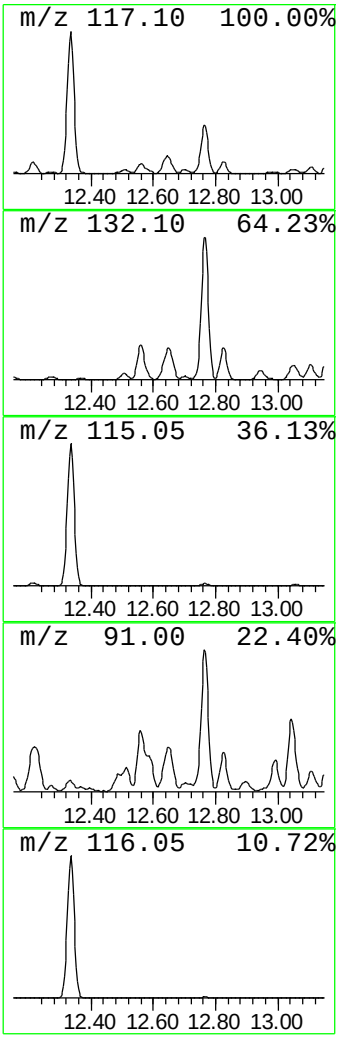
****

Peak Number 17 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	10.45 ug/L	184765	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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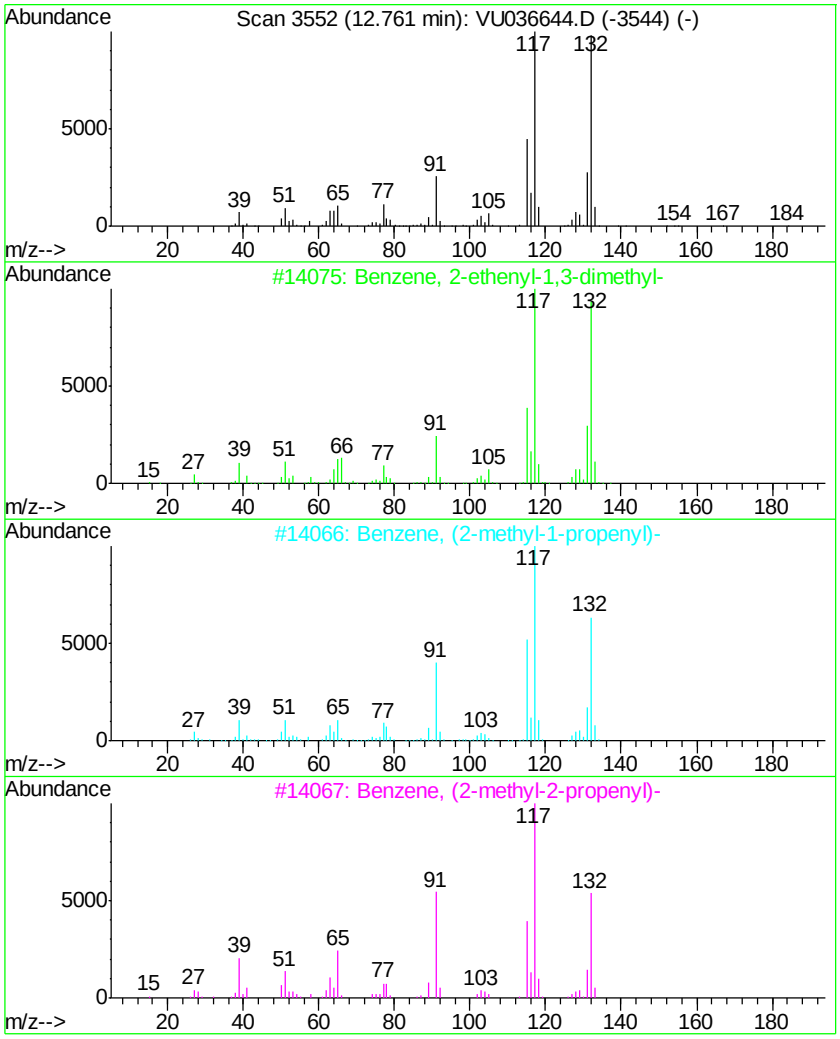
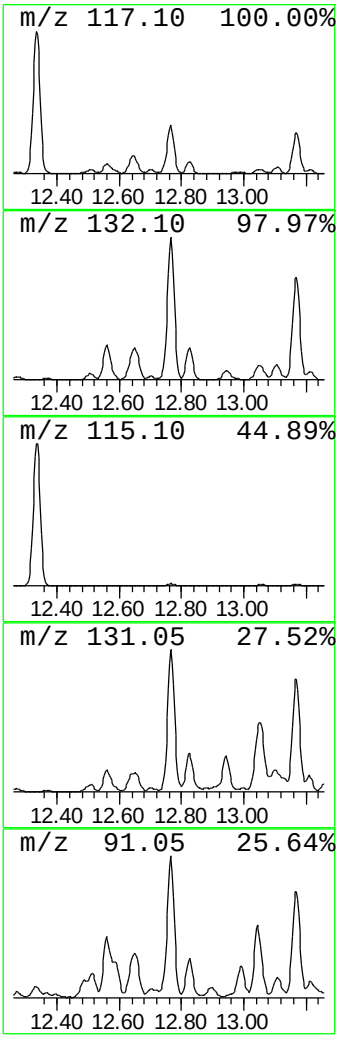
Peak Number 18 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	33.03 ug/L	584199	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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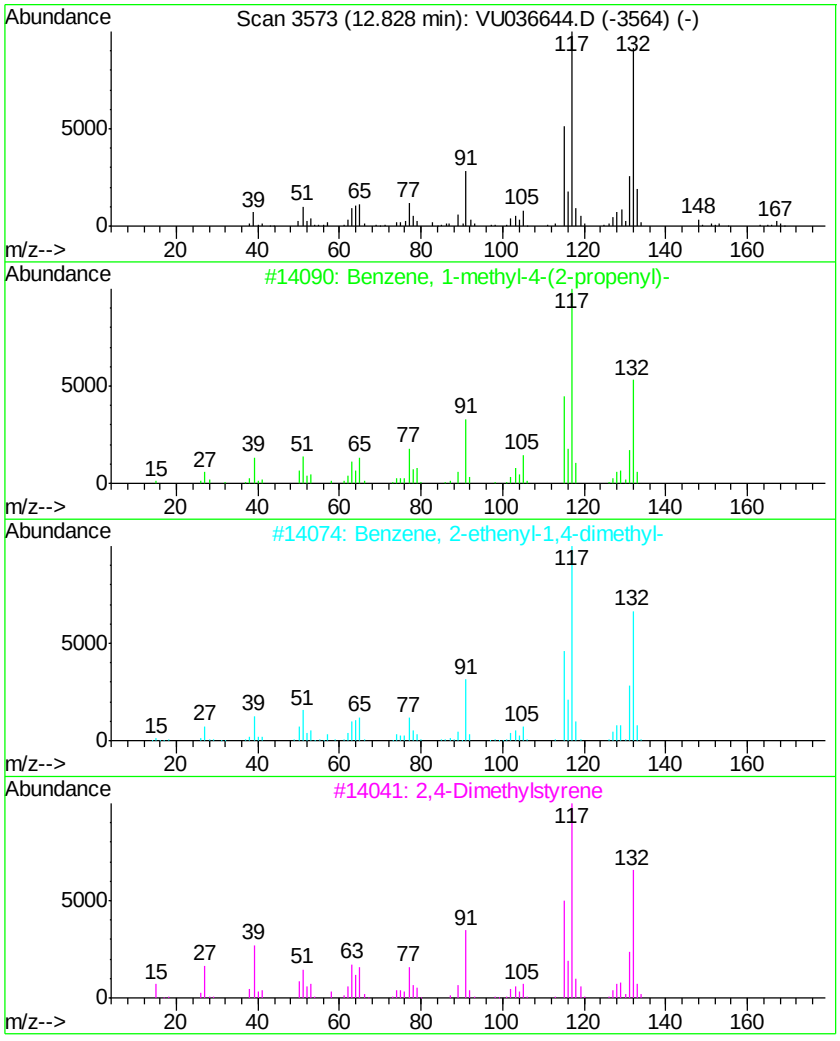
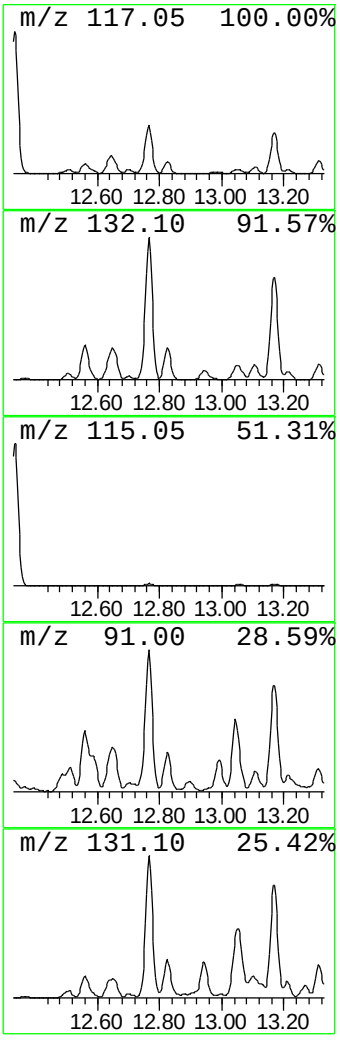
Peak Number 19 Benzene, 1-methyl-4-(2-prop... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	8.28 ug/L	146482	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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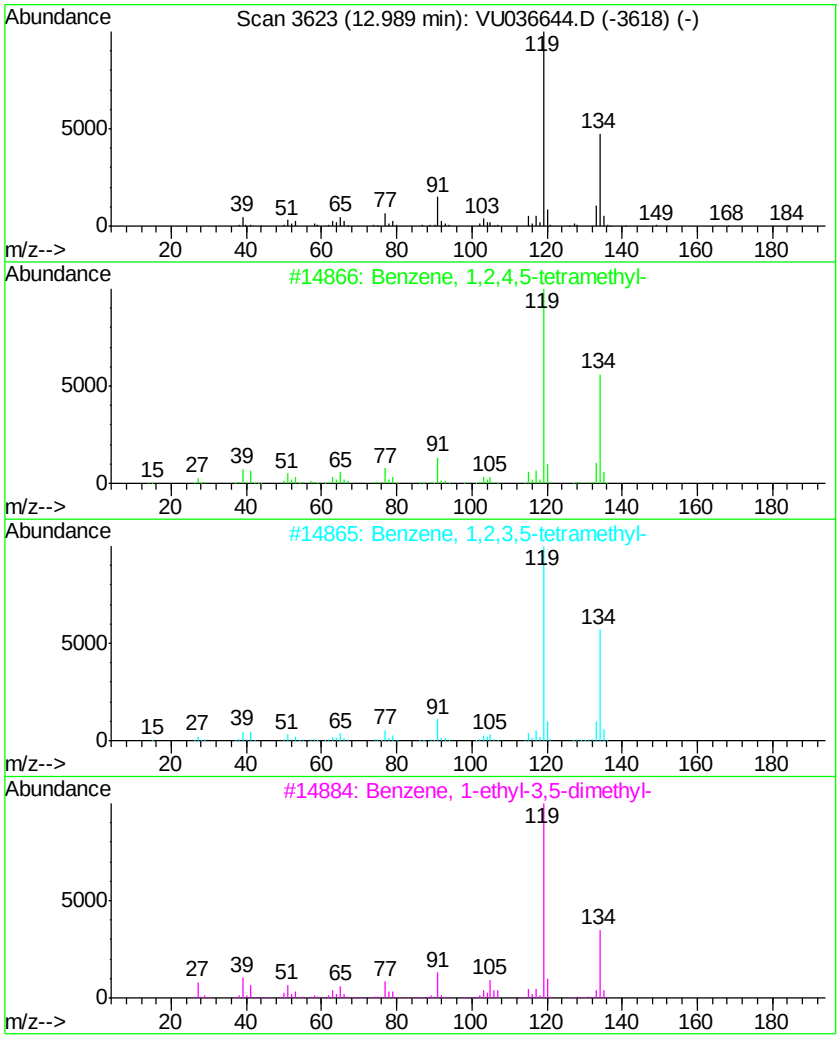
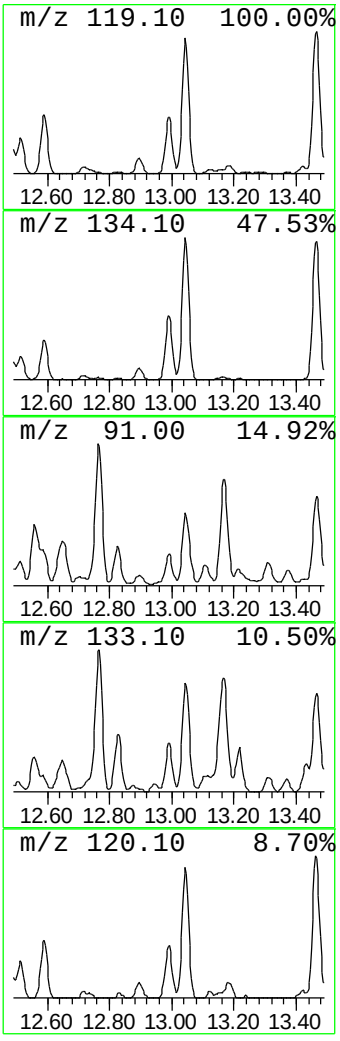
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	5.25 ug/L	92948	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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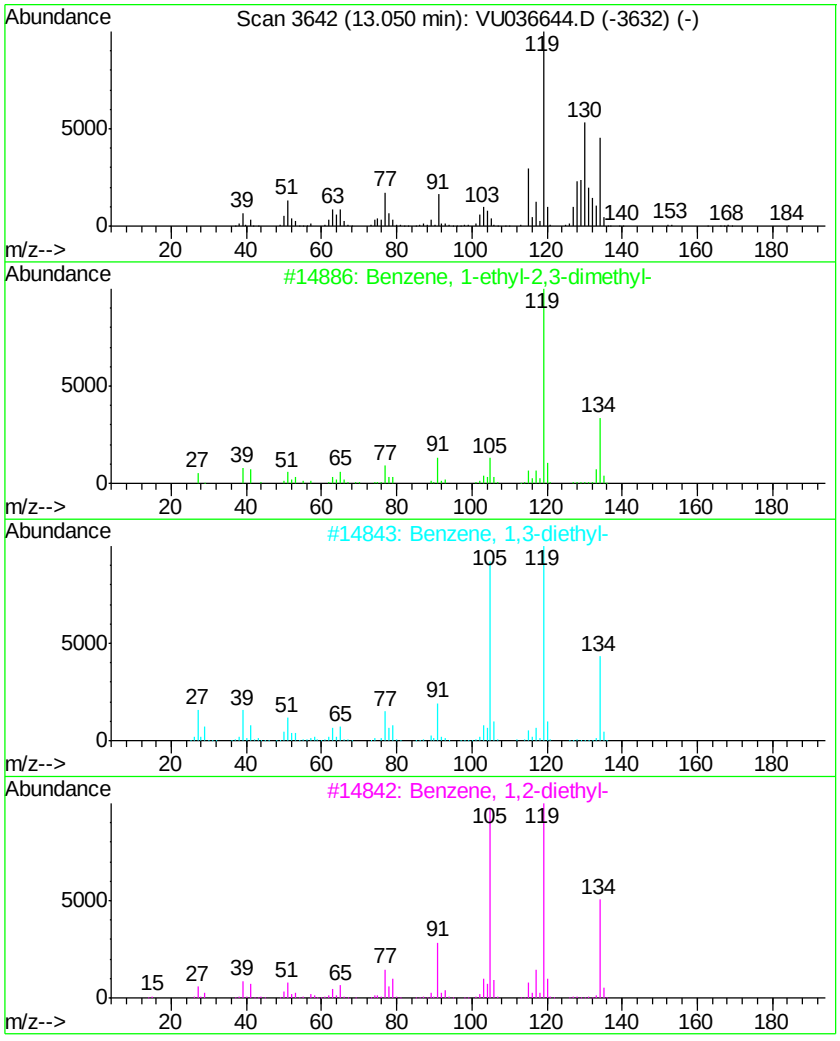
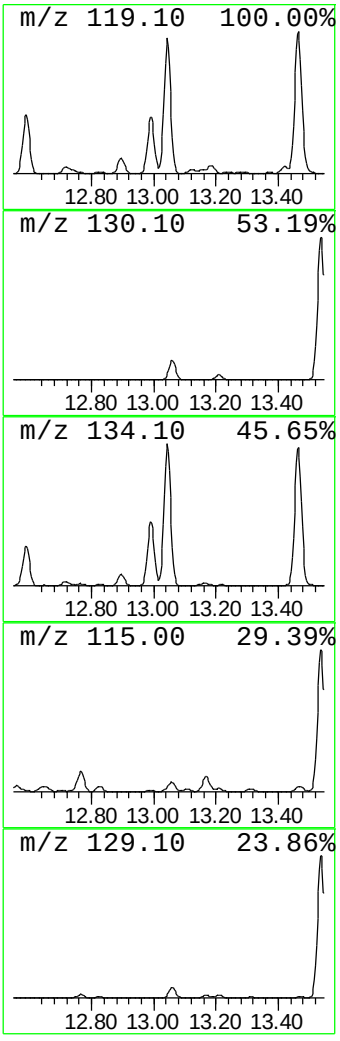
Peak Number 21 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	30.61 ug/L	541512	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	50
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	50





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

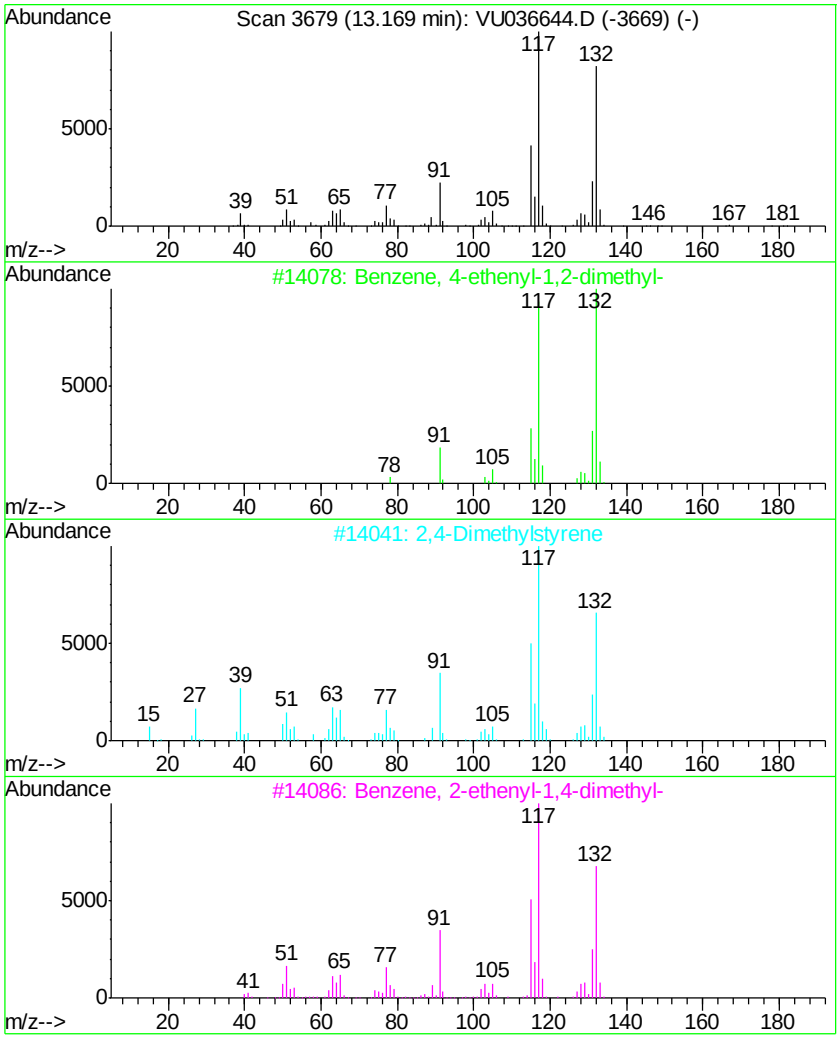
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

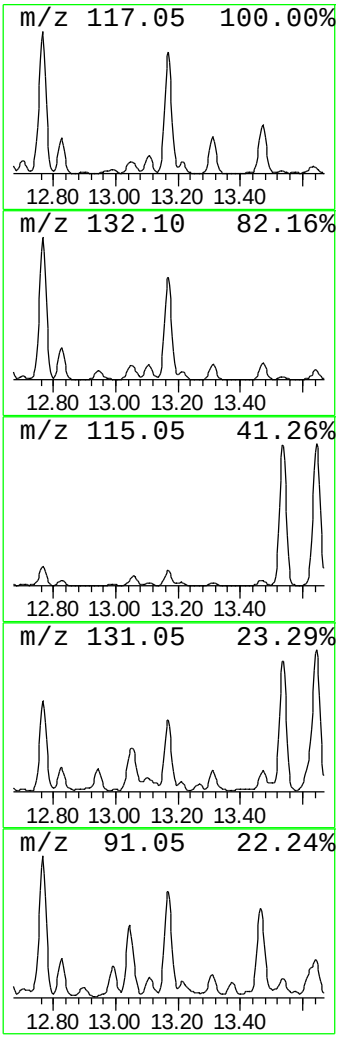
****

Peak Number 22 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	26.45 ug/L	467770	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

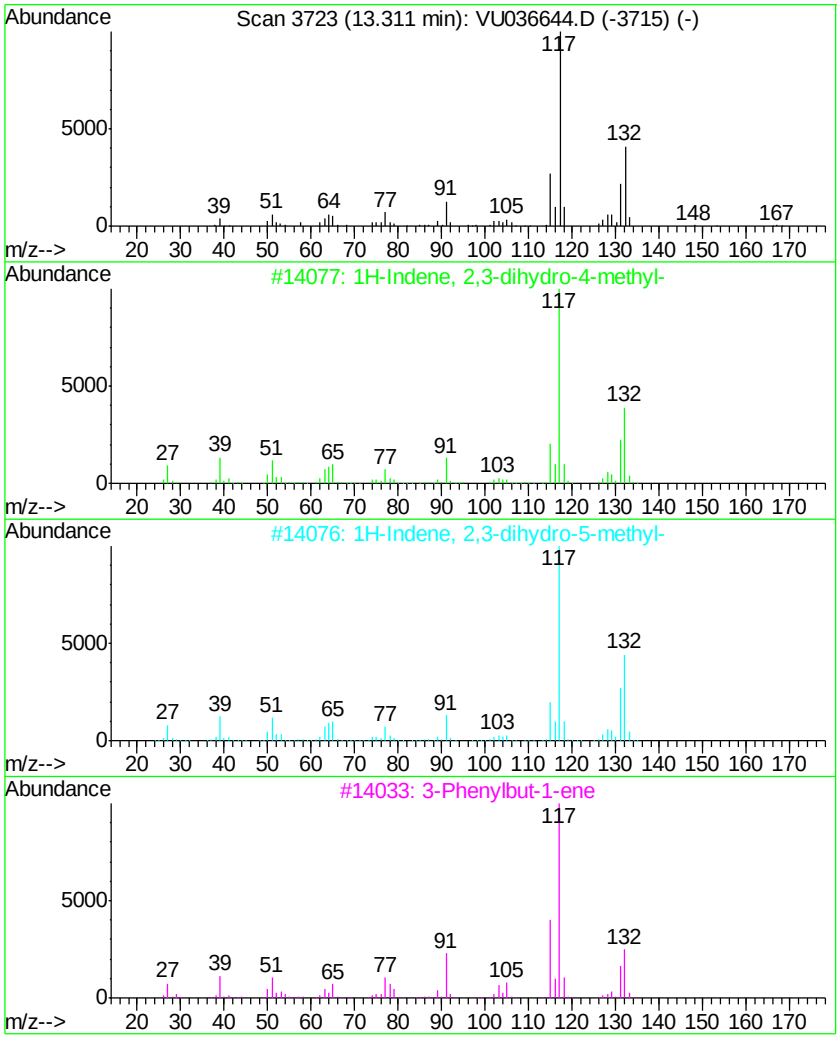
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

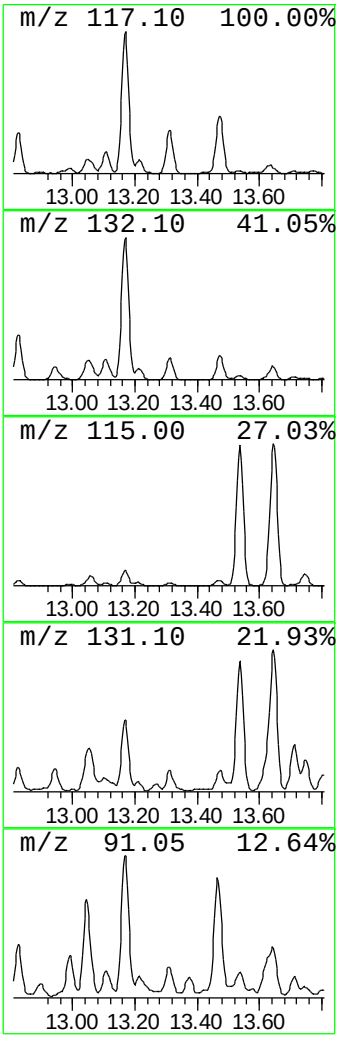
****

Peak Number 23 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	6.34 ug/L	112053	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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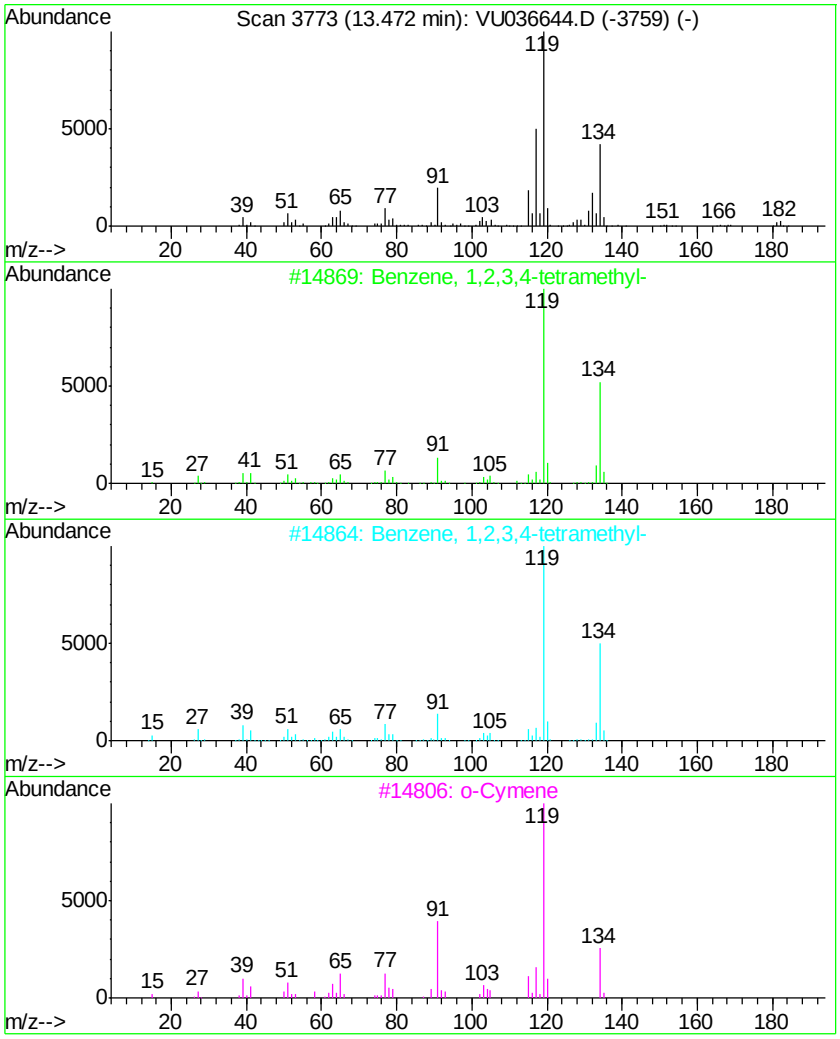
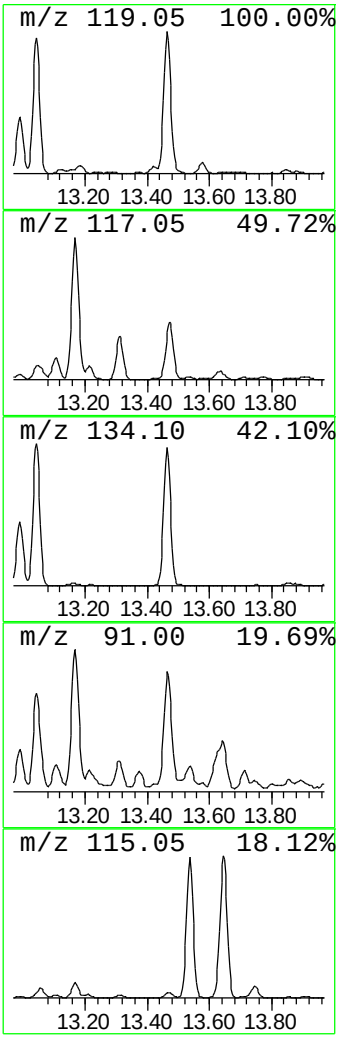
Peak Number 24 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	29.97 ug/L	530140	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	o-Cymene	134	C10H14	000527-84-4	81
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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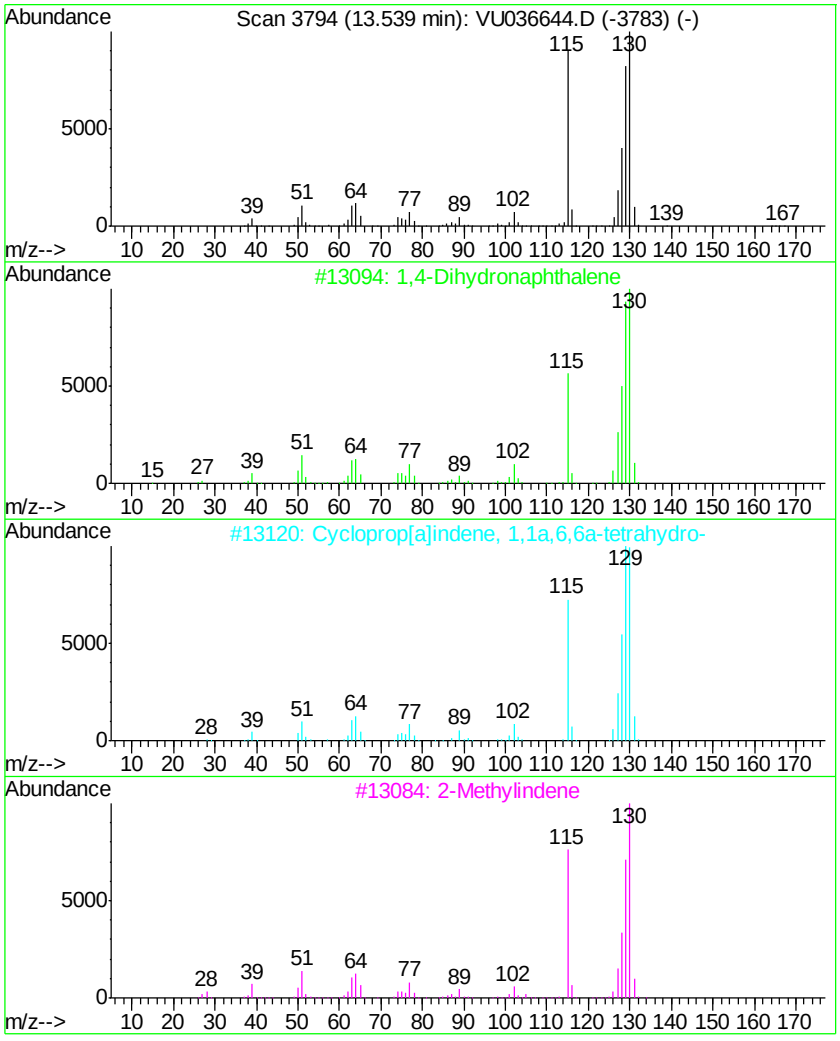
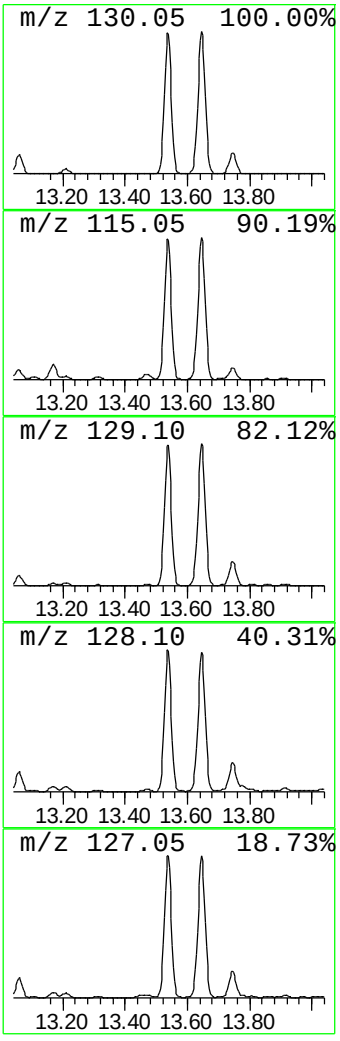
Peak Number 25 1,4-Dihydronaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	118.94 ug/L	2103790	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	2-Methylindene	130	C10H10	002177-47-1	94
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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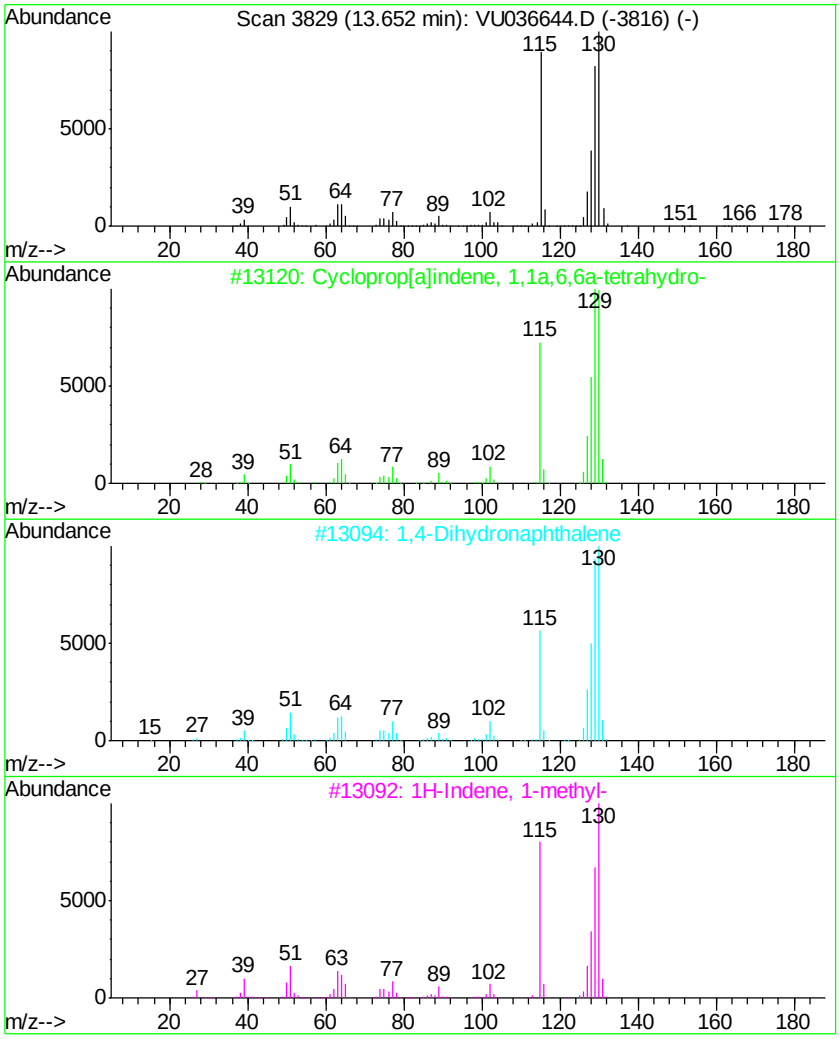
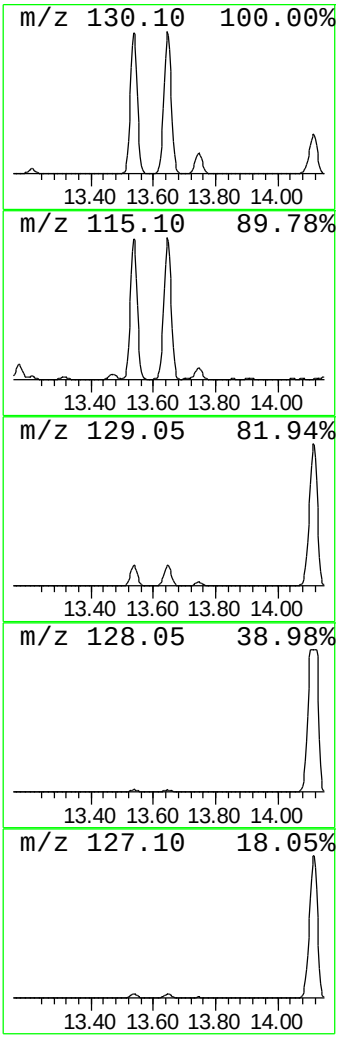
Peak Number 26 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	132.75 ug/L	2348020	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
5	2-Methylindene	130	C10H10	002177-47-1	94





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Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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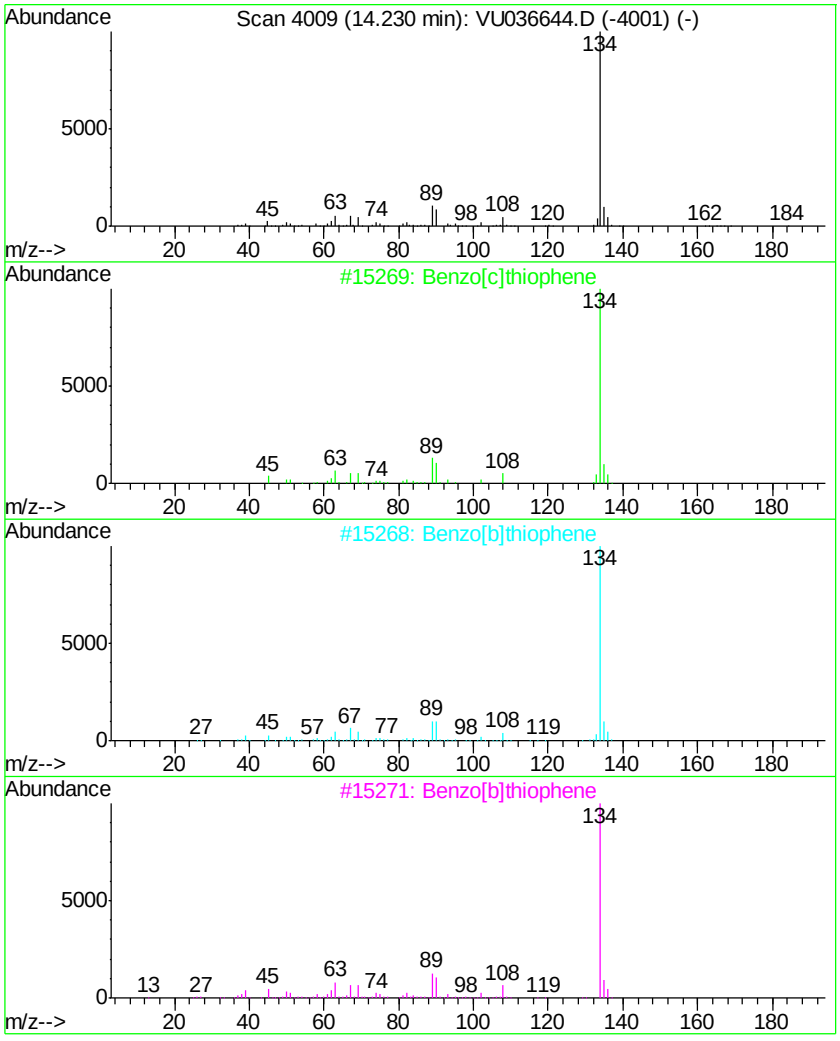
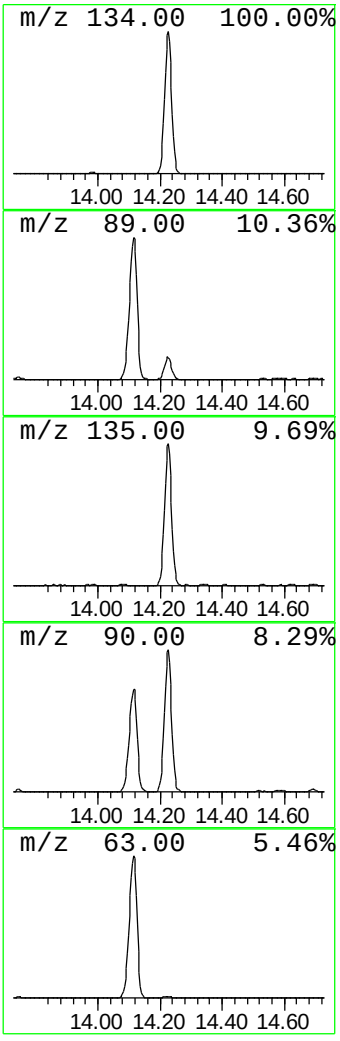
Peak Number 29 Benzo[c]thiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	28.83 ug/L	509855	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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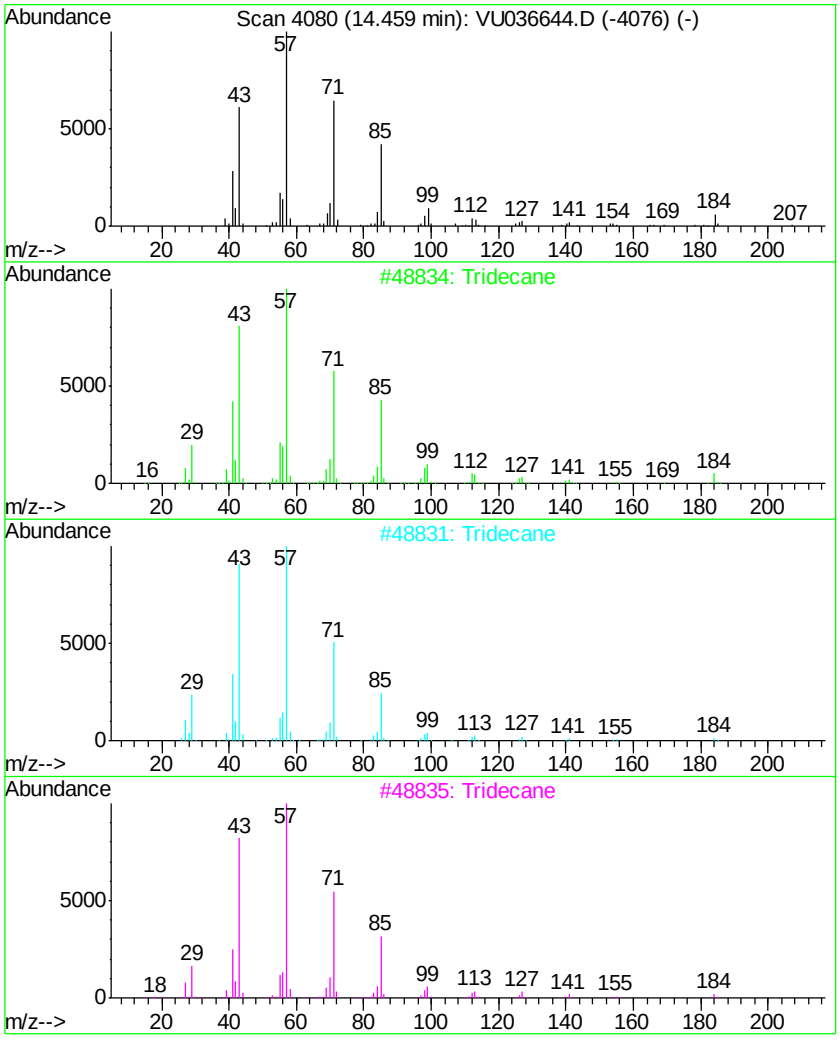
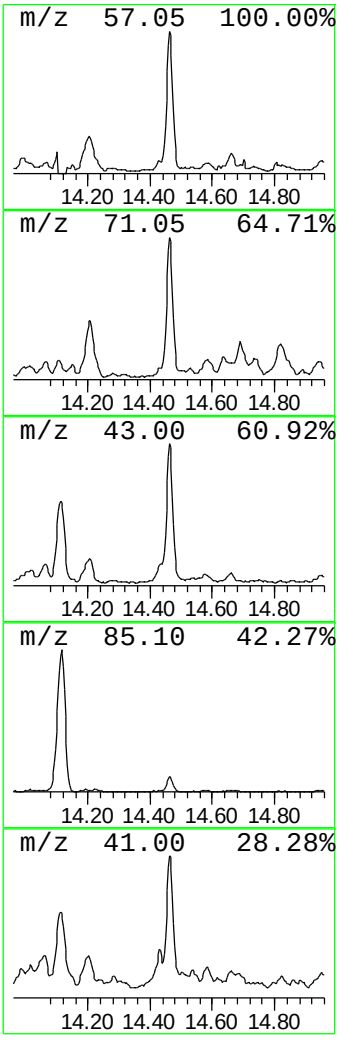
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	3.21 ug/L	56845	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Tetradecane	198	C14H30	000629-59-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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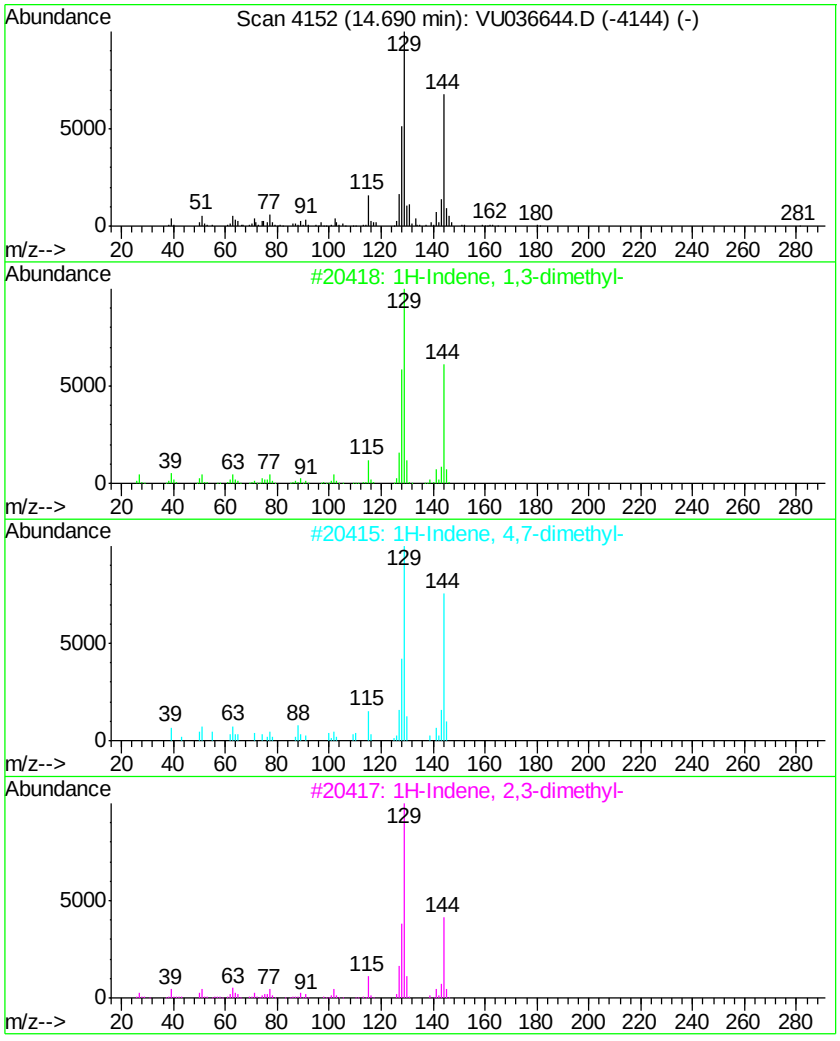
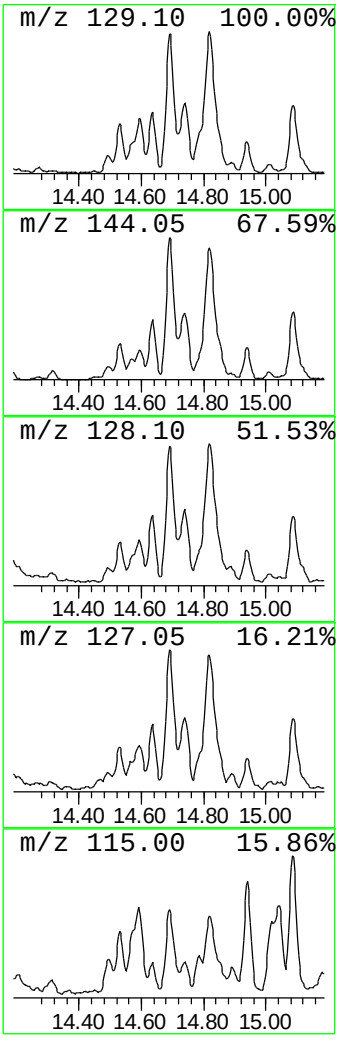
Peak Number 31 1H-Indene, 1,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	15.09 ug/L	266977	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	95
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	94
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
4	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	93
5	Naphthalene, 1,2-dihydro-2-methyl-	144	C11H12	021564-79-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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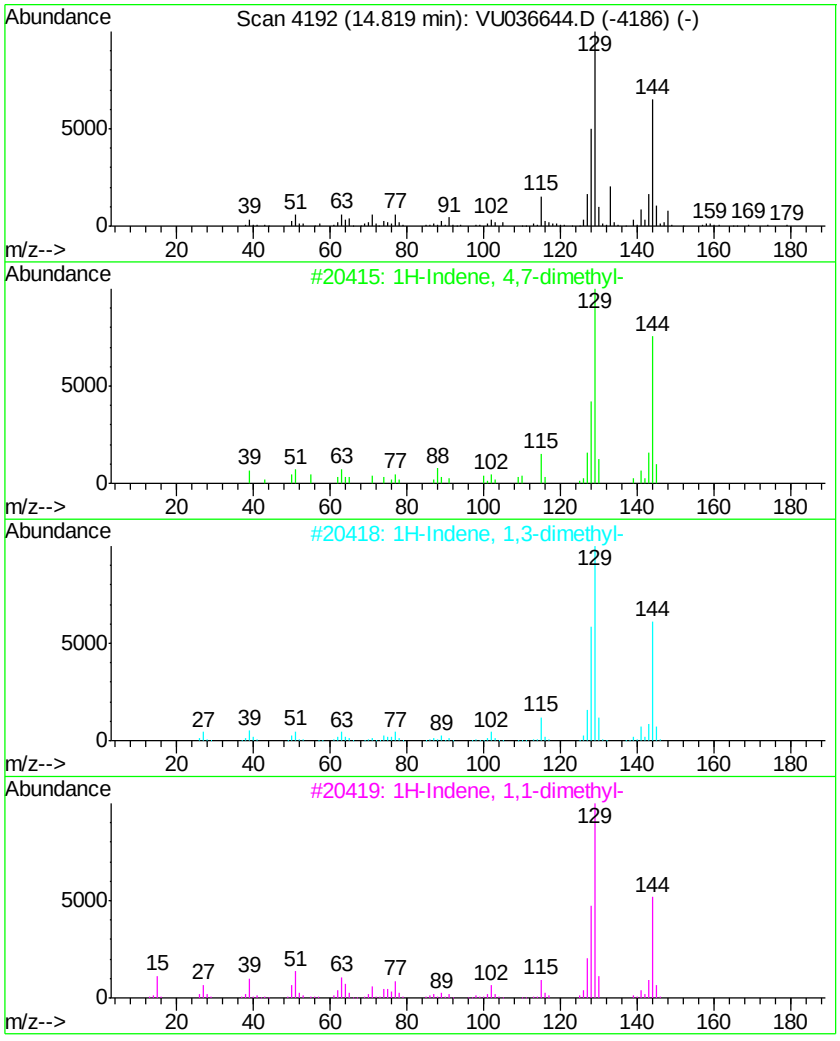
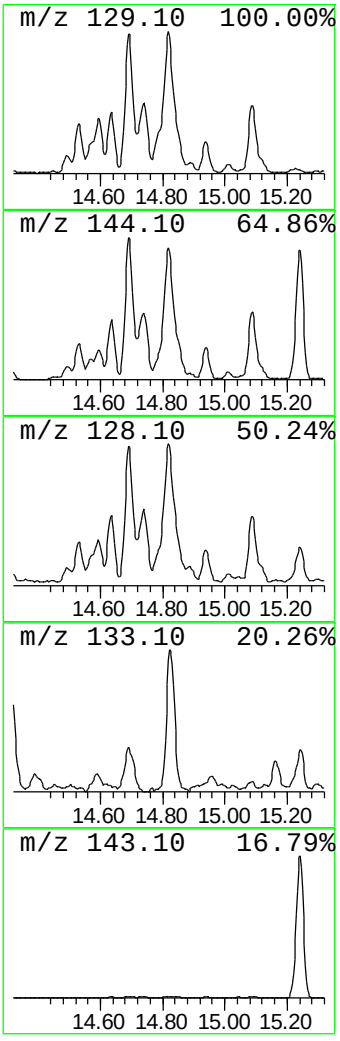
Peak Number 32 1H-Indene, 4,7-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	15.86 ug/L	280534	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	93
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	91
4	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	90
5	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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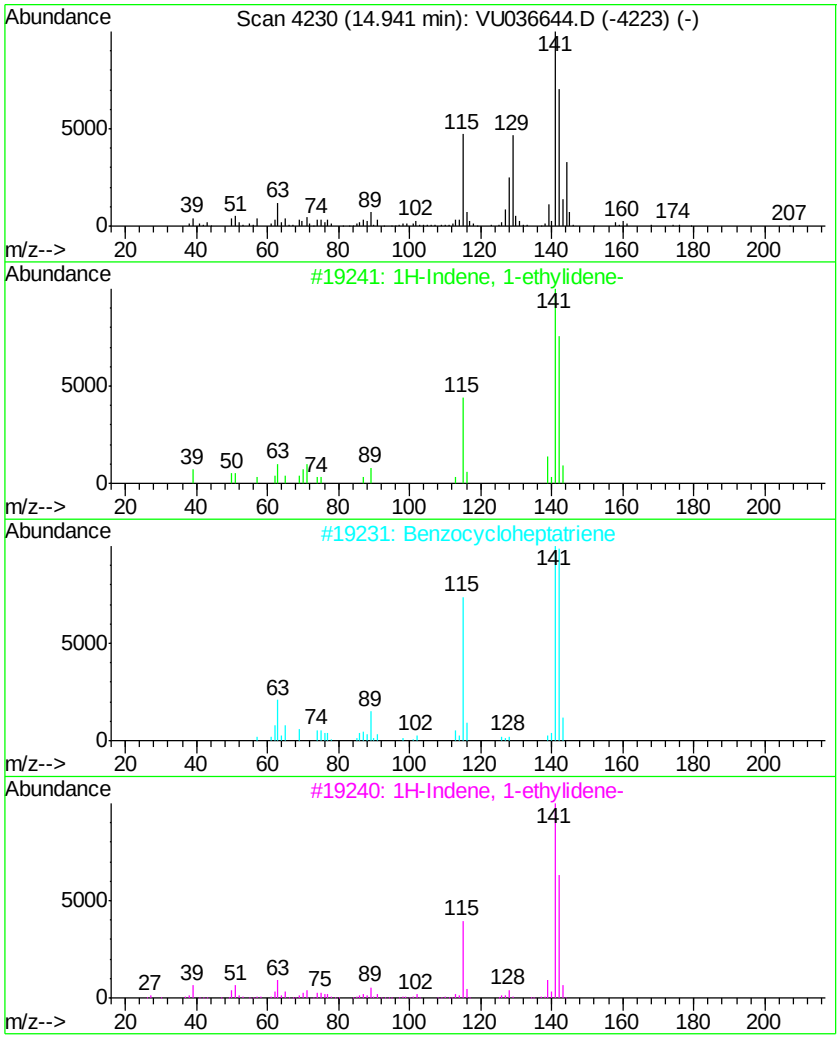
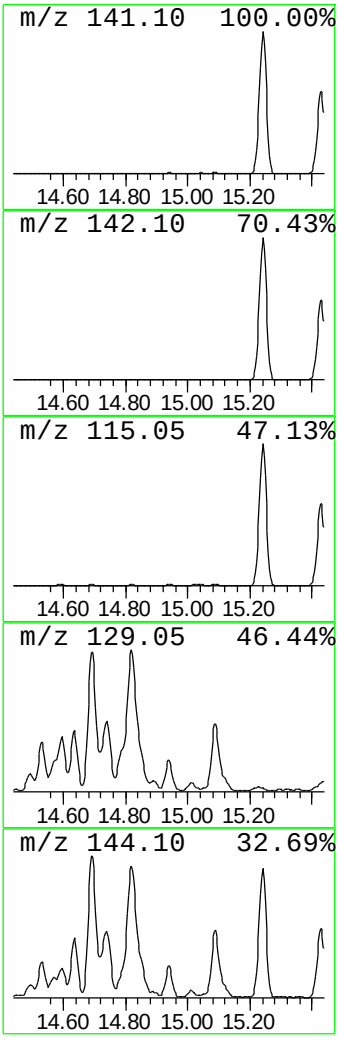
Peak Number 33 1H-Indene, 1-ethylidene- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	8.47 ug/L	149753	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	83
2	Benzocycloheptatriene	142	C11H10	000264-09-5	83
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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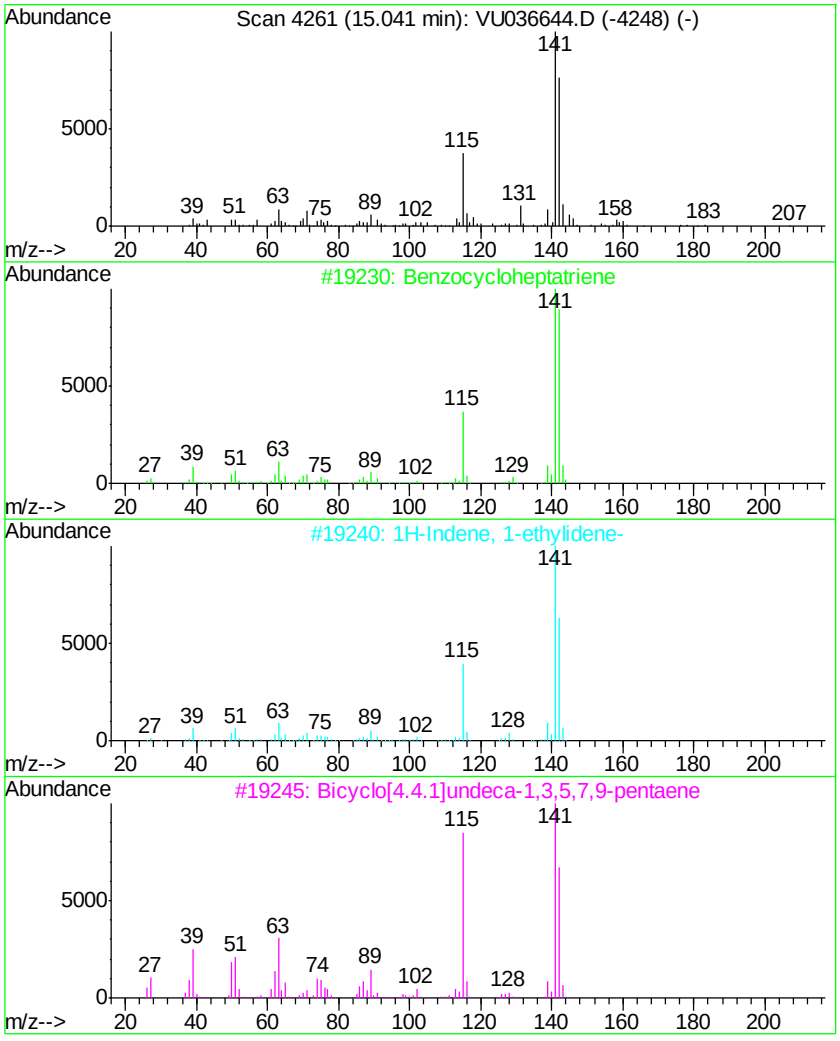
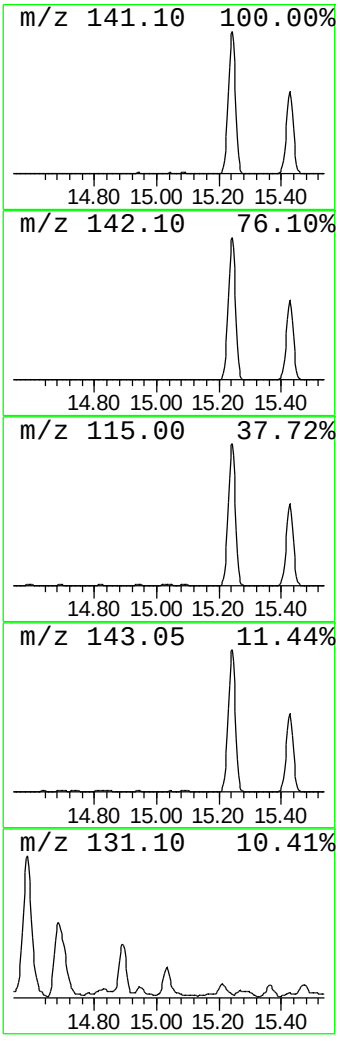
Peak Number 34 Benzocycloheptatriene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	9.88 ug/L	174700	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	87
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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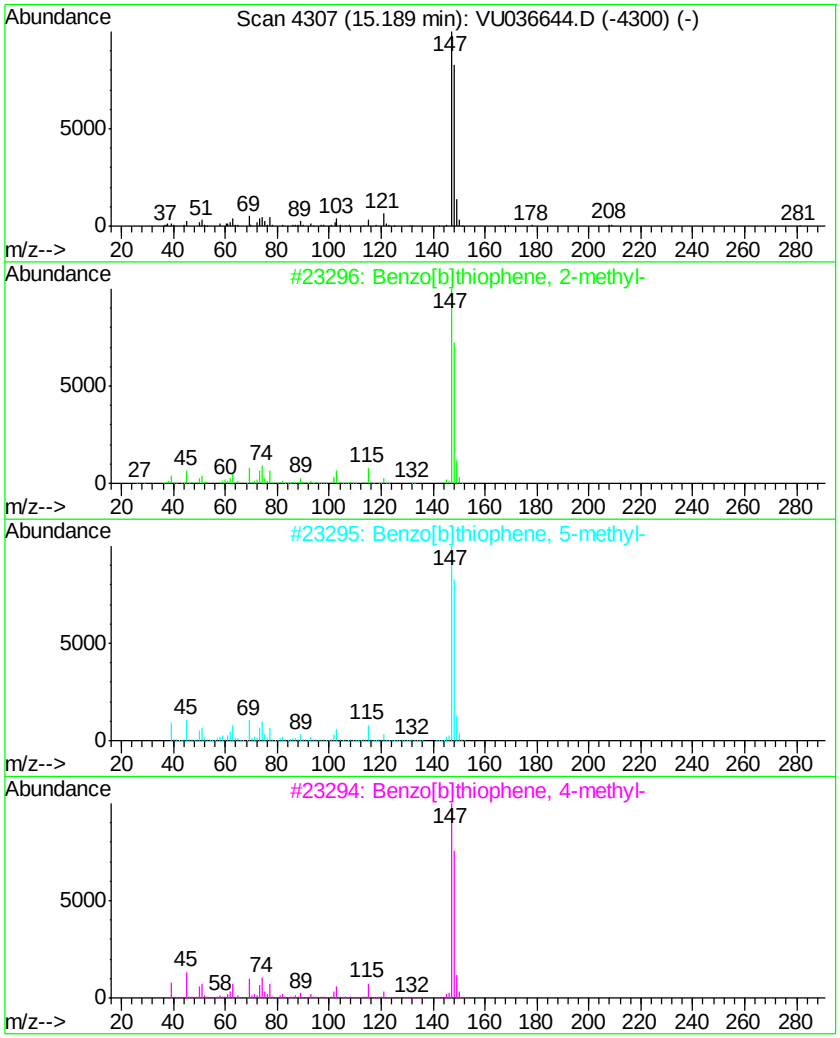
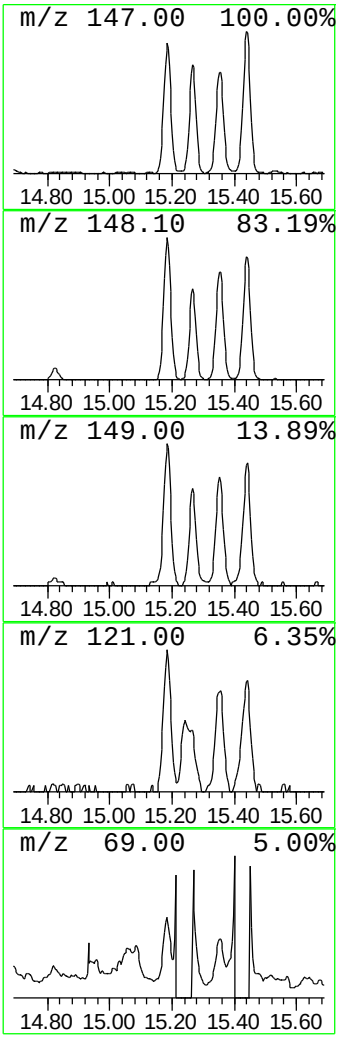
Peak Number 36 Benzo[b]thiophene, 2-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.09 ug/L	90062	1,4-Dichlorobenzene-d4	11.83

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, 4-methyl-	148	C9H8S	014315-11-8	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	83
5	2-Isopropenyl-3,6-dimethylpyrazine	148	C9H12N2	1000109-60-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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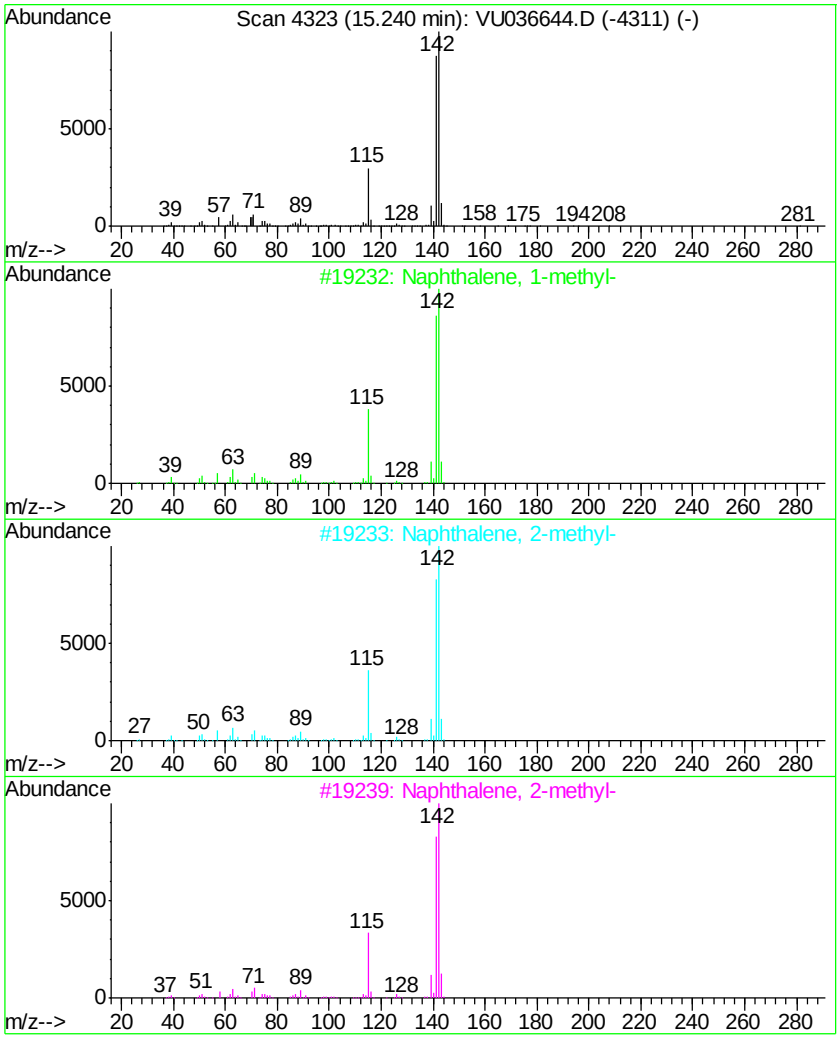
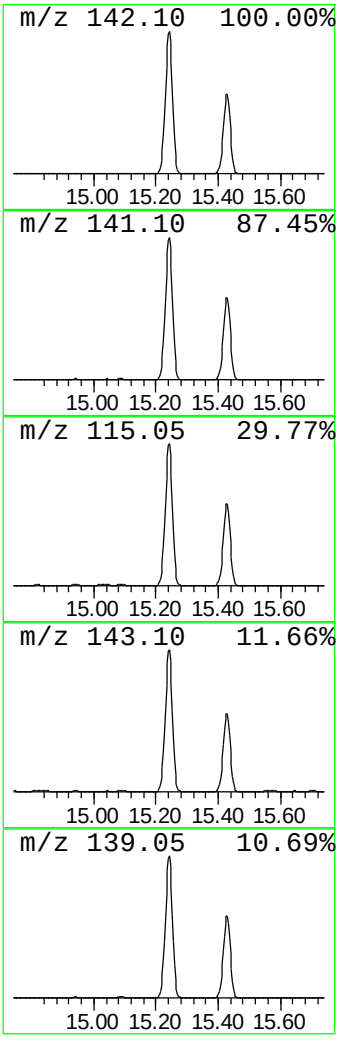
Peak Number 37 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	1157.10 ug/L	20466600	1,4-Dichlorobenzene-d4	11.83

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, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

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

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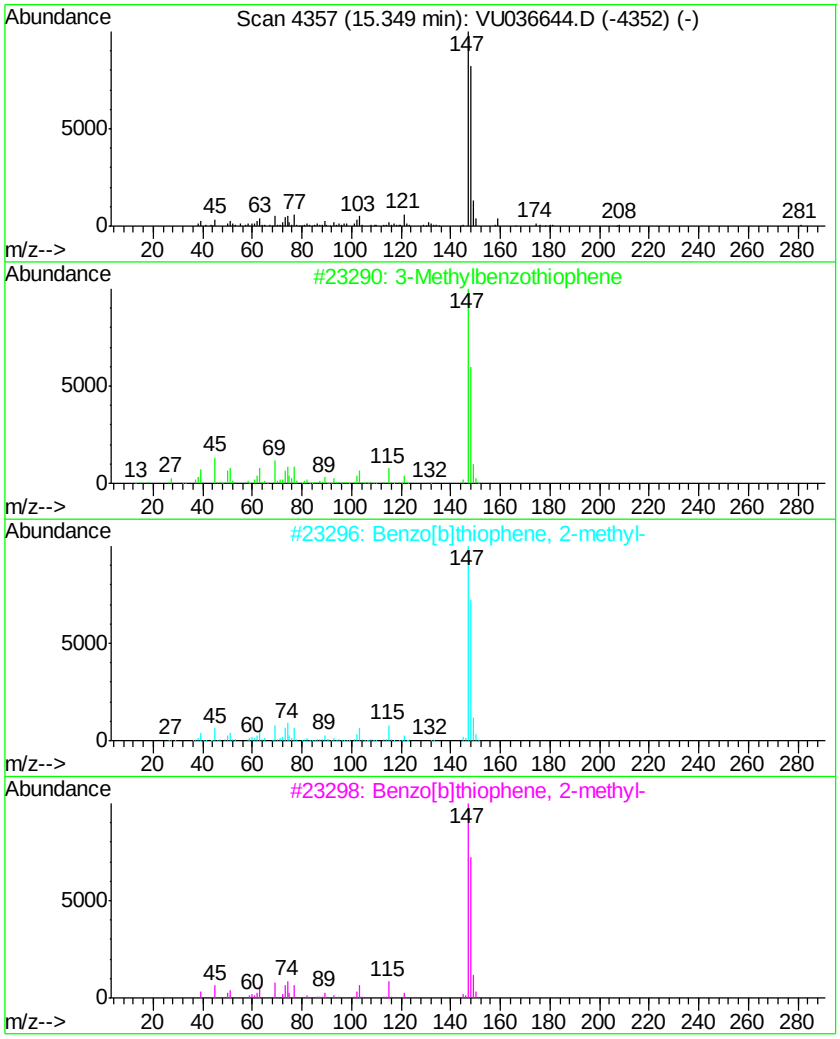
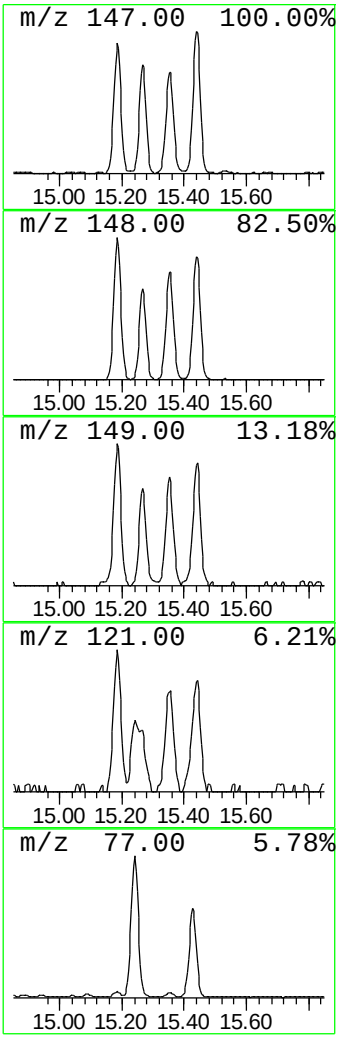
Peak Number 38 3-Methylbenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	5.80 ug/L	102618	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036644.D
Acq On : 31 Jan 2020 02:17
Operator : JC/MD
Sample : L1324-16 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.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-	10.85	3.5	ug/L	62664	3	11.83	884394	50.0
Benzene, propyl-	10.93	3.7	ug/L	65754	3	11.83	884394	50.0
Benzene, 1-ethyl-...	11.02	27.8	ug/L	490895	3	11.83	884394	50.0
Benzene, 1,2,3-tr...	11.11	31.3	ug/L	553916	3	11.83	884394	50.0
.alpha.-Methylsty...	11.34	22.1	ug/L	390095	3	11.83	884394	50.0
Benzene, 1-etheny...	11.56	127.2	ug/L	2249470	3	11.83	884394	50.0
Benzofuran	11.75	5.3	ug/L	93726	3	11.83	884394	50.0
Benzene, cyclopro...	11.97	23.0	ug/L	407031	3	11.83	884394	50.0
Indane	12.11	27.6	ug/L	488453	3	11.83	884394	50.0
Indene	12.33	665.2	ug/L	11766200	3	11.83	884394	50.0
Benzene, 2-ethyl-...	12.49	3.1	ug/L	54556	3	11.83	884394	50.0
Bicyclo[4.2.0]oct...	12.56	7.8	ug/L	138378	3	11.83	884394	50.0
Benzene, 1-etheny...	12.65	10.4	ug/L	184765	3	11.83	884394	50.0
Benzene, 2-etheny...	12.76	33.0	ug/L	584199	3	11.83	884394	50.0
Benzene, 1-methyl...	12.83	8.3	ug/L	146482	3	11.83	884394	50.0
Benzene, 1,2,4,5-...	12.99	5.3	ug/L	92948	3	11.83	884394	50.0
Benzene, 1-ethyl-...	13.05	30.6	ug/L	541512	3	11.83	884394	50.0
Benzene, 4-etheny...	13.17	26.4	ug/L	467770	3	11.83	884394	50.0
1H-Indene, 2,3-di...	13.31	6.3	ug/L	112053	3	11.83	884394	50.0
Benzene, 1,2,3,4-...	13.47	30.0	ug/L	530140	3	11.83	884394	50.0
1,4-Dihydronaphth...	13.54	118.9	ug/L	2103790	3	11.83	884394	50.0
Cycloprop[a]inden...	13.65	132.8	ug/L	2348020	3	11.83	884394	50.0
Benzo[c]thiophene	14.23	28.8	ug/L	509855	3	11.83	884394	50.0
(DEL) Alkane: Str...	14.46	3.2	ug/L	56845	3	11.83	884394	50.0
1H-Indene, 1,3-di...	14.69	15.1	ug/L	266977	3	11.83	884394	50.0
1H-Indene, 4,7-di...	14.82	15.9	ug/L	280534	3	11.83	884394	50.0
1H-Indene, 1-ethy...	14.94	8.5	ug/L	149753	3	11.83	884394	50.0
Benzocycloheptatr...	15.04	9.9	ug/L	174700	3	11.83	884394	50.0
Benzo[b]thiophene...	15.19	5.1	ug/L	90062	3	11.83	884394	50.0
Naphthalene, 1-me...	15.24	1157.1	ug/L	20466600	3	11.83	884394	50.0
3-Methylbenzothio...	15.35	5.8	ug/L	102618	3	11.83	884394	50.0