LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013120\
Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

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\SOMULM013120WMA.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	1.613	78	85	98	rBV	180396	185595	1.76%	0.638%
2	1.916	172	179	195	rVB	131839	174932	1.66%	0.602%
3	2.588	376	388	405	rBV	228225	379206	3.59%	1.304%
4	2.816	453	459	466	rVB2	506	748	0.01%	0.003%
5	3.076	531	540	547	rBV5	1682	3025	0.03%	0.010%
6	3.224	574	586	605	rVB2	8784	19929	0.19%	0.069%
7	3.391	633	638	639	rBV2	476	350	0.00%	0.001%
8	3.472	657	663	666	rBV2	223	201	0.00%	0.001%
9	3.726	741	742	745	rVV	299	151	0.00%	0.001%
10	3.745	746	748	755	rVB2	365	345	0.00%	0.001%
11	3.919	796	802	805	rBV	202	156	0.00%	0.001%
12	4.240	898	902	906	rBV2	214	181	0.00%	0.001%
13	4.481	973	977	979	rVB2	266	160	0.00%	0.001%
14	4.678	1022	1038	1074	rBV2	97018	281567	2.67%	0.968%
15	5.108	1154	1172	1197	rBV	181728	416957	3.95%	1.434%
16	5.382	1250	1257	1258	rBV	361	385	0.00%	0.001%
17	5.420	1263	1269	1273	rBV5	786	867	0.01%	0.003%
18	5.507	1289	1296	1301	rVB3	739	982	0.01%	0.003%
19	5.530	1301	1303	1306	rBV2	250	157	0.00%	0.001%
20	5.764	1354	1376	1405	rBV2	433588	1144642	10.84%	3.937%
21	5.883	1410	1413	1421	rVB2	304	291	0.00%	0.001%
22	5.935	1421	1429	1432	rBV6	1163	1525	0.01%	0.005%
23	6.079	1471	1474	1476	rBV2	314	166	0.00%	0.001%
24	6.144	1489	1494	1497	rBV2	559	490	0.00%	0.002%
25	6.288	1524	1539	1563	rVV	348706	648135	6.14%	2.229%
26	6.517	1605	1610	1612	rBV	213	194	0.00%	0.001%
27	6.565	1615	1625	1635	rVB3	8984	16342	0.15%	0.056%
28	6.729	1662	1676	1694	rBV	262388	505484	4.79%	1.739%
29	6.841	1706	1711	1718	rVB5	728	1047	0.01%	0.004%
30	6.938	1736	1741	1747	rBV2	226	215	0.00%	0.001%
31	7.208	1818	1825	1833	rVB2	1047	1416	0.01%	0.005%
32	7.526	1922	1924	1931	rVB	270	228	0.00%	0.001%
33	7.600	1931	1947	1965	rBV	152643	261791	2.48%	0.900%
34	7.829	2009	2018	2024	rBV6	1082	1789	0.02%	0.006%

LSC Area Percent Report

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Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

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\SOMULM013120WMA.M
Title : VOC Analysis

35	7.928	2035	2049	2063	rBV	531433	910419	8.62%	3.131%
36	8.047	2084	2086	2089	rBV2	310	210	0.00%	0.001%
37	8.144	2112	2116	2125	rVB2	179	275	0.00%	0.001%
38	8.211	2125	2137	2155	rBV	105143	176770	1.67%	0.608%
39	8.501	2216	2227	2235	rBV3	2252	3567	0.03%	0.012%
40	8.584	2244	2253	2265	rVB4	9998	16324	0.15%	0.056%
41	8.668	2266	2279	2307	rBV	415145	684273	6.48%	2.354%
42	8.848	2332	2335	2338	rBV2	170	169	0.00%	0.001%
43	8.947	2358	2366	2375	rVB3	1795	2710	0.03%	0.009%
44	9.037	2392	2394	2397	rVB	280	152	0.00%	0.001%
45	9.128	2418	2422	2425	rBV2	156	170	0.00%	0.001%
46	9.237	2453	2456	2462	rBV2	405	338	0.00%	0.001%
47	9.275	2466	2468	2473	rVV2	213	185	0.00%	0.001%
48	9.317	2477	2481	2490	rBV2	225	351	0.00%	0.001%
49	9.446	2507	2521	2540	rBV	481070	787036	7.45%	2.707%
50	9.597	2554	2568	2582	rBV	43917	70077	0.66%	0.241%
51	9.719	2591	2606	2620	rBV	288287	467476	4.43%	1.608%
52	9.825	2637	2639	2645	rVB2	211	220	0.00%	0.001%
53	9.857	2646	2649	2654	rBV	286	298	0.00%	0.001%
54	10.134	2718	2735	2762	rVB3	306861	591502	5.60%	2.035%
55	10.269	2775	2777	2780	rBV2	330	185	0.00%	0.001%
56	10.327	2790	2795	2797	rBV	199	178	0.00%	0.001%
57	10.388	2811	2814	2818	rBV2	359	283	0.00%	0.001%
58	10.446	2827	2832	2836	rBV2	193	265	0.00%	0.001%
59	10.507	2844	2851	2861	rBV2	1696	2230	0.02%	0.008%
60	10.642	2891	2893	2895	rBV	273	154	0.00%	0.001%
61	10.780	2923	2936	2950	rBV	340673	550676	5.22%	1.894%
62	10.851	2952	2958	2965	rVB3	7014	9443	0.09%	0.032%
63	10.928	2972	2982	2993	rVB2	9935	14162	0.13%	0.049%
64	11.021	2998	3011	3026	rBV	41768	88026	0.83%	0.303%
65	11.111	3031	3039	3054	rVB	53922	85365	0.81%	0.294%
66	11.259	3082	3085	3092	rVB2	285	223	0.00%	0.001%
67	11.336	3092	3109	3118	rBV5	22919	53826	0.51%	0.185%
68	11.488	3141	3156	3167	rVV	182048	285813	2.71%	0.983%
69	11.558	3167	3178	3186	rVV	175224	263673	2.50%	0.907%
70	11.607	3187	3193	3205	rVB	66960	97222	0.92%	0.334%
71	11.758	3227	3240	3248	rVV8	3822	6923	0.07%	0.024%

LSC Area Percent Report

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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

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\SOMULM013120WMA.M
Title : VOC Analysis

72	11.832	3251	3263	3276	rVV	483910	755061	7.15%	2.597%
73	11.915	3280	3289	3297	rVV	61355	94510	0.90%	0.325%
74	11.967	3298	3305	3317	rVV	41938	62277	0.59%	0.214%
75	12.015	3317	3320	3329	rVB4	629	666	0.01%	0.002%
76	12.115	3339	3351	3359	rBV	43235	73931	0.70%	0.254%
77	12.214	3369	3382	3396	rBV	513748	821563	7.78%	2.826%
78	12.333	3407	3419	3433	rVB	1135217	1765289	16.72%	6.072%
79	12.484	3459	3466	3469	rBV2	6930	9038	0.09%	0.031%
80	12.558	3483	3489	3493	rBV3	9845	13458	0.13%	0.046%
81	12.642	3506	3515	3527	rVB2	12804	24156	0.23%	0.083%
82	12.764	3543	3553	3563	rVV2	41530	65401	0.62%	0.225%
83	12.825	3565	3572	3581	rVB3	12507	17872	0.17%	0.061%
84	12.896	3588	3594	3600	rVB3	2931	3682	0.03%	0.013%
85	12.941	3602	3608	3610	rBV5	3643	3862	0.04%	0.013%
86	13.044	3631	3640	3652	rVB4	36108	66048	0.63%	0.227%
87	13.166	3669	3678	3687	rBV	32693	54113	0.51%	0.186%
88	13.307	3716	3722	3733	rVB2	12039	17764	0.17%	0.061%
89	13.533	3782	3792	3803	rVB	224182	344879	3.27%	1.186%
90	13.642	3817	3826	3839	rVB	253006	403046	3.82%	1.386%
91	13.741	3850	3857	3868	rVB2	36129	56012	0.53%	0.193%
92	14.102	3955	3969	3990	rVB	6689104	10558529	100.00%	36.317%
93	14.687	4143	4151	4160	rBV2	25277	41771	0.40%	0.144%
94	14.934	4223	4228	4239	rVB4	9933	14066	0.13%	0.048%
95	15.179	4298	4304	4309	rBV3	11690	15998	0.15%	0.055%
96	15.233	4309	4321	4347	rVB	1648929	2598920	24.61%	8.939%
97	15.420	4367	4379	4395	rVB	962094	1504033	14.24%	5.173%
98	15.960	4539	4547	4557	rVB	75865	112027	1.06%	0.385%
99	16.269	4634	4643	4664	rVB	88632	152548	1.44%	0.525%
100	16.417	4680	4689	4696	rBV	127945	201959	1.91%	0.695%

Sum of corrected areas: 29073297

LSC Report - Integrated Chromatogram

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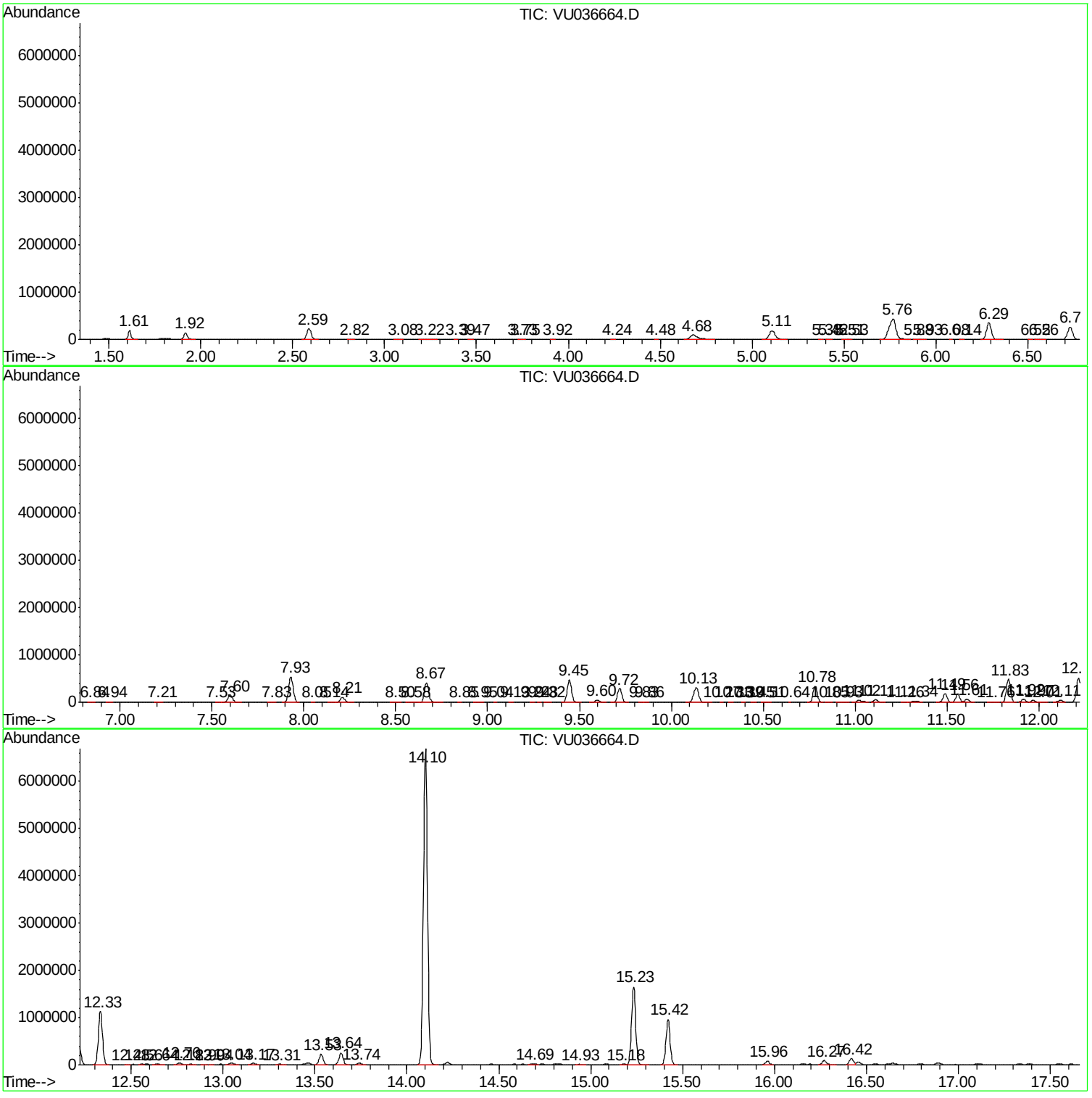
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013120\
Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

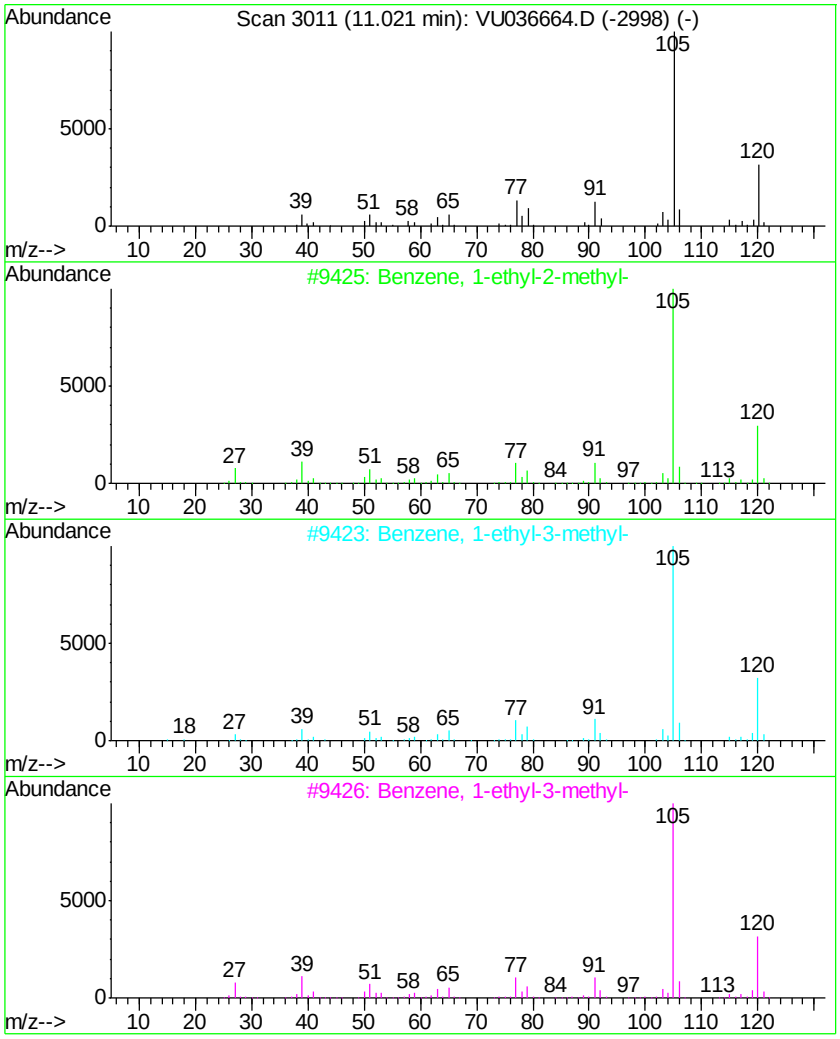
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

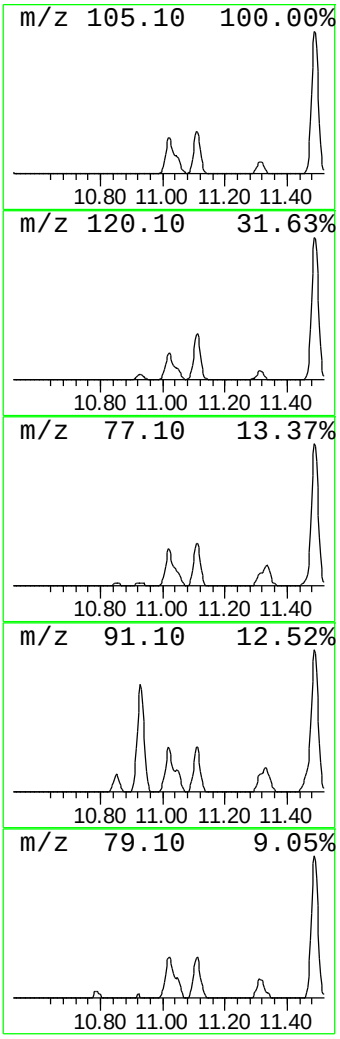
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	5.83 ug/L	88026	1,4-Dichlorobenzene-d4	11.83

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	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

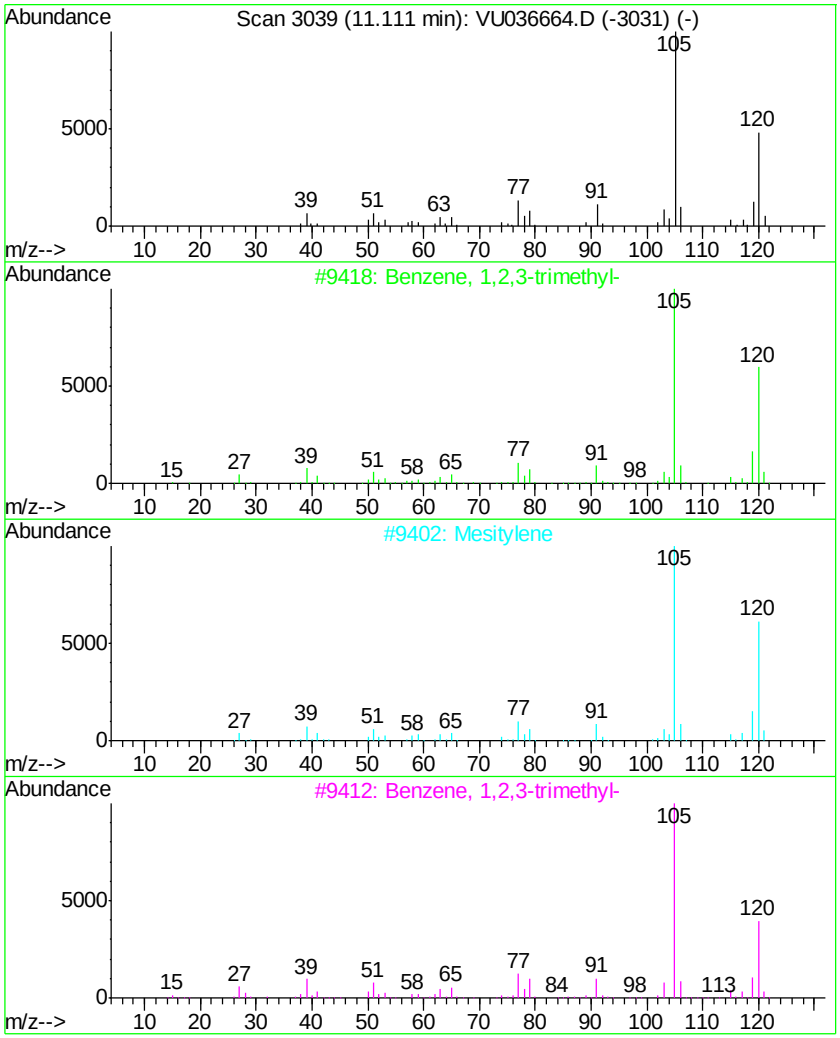
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

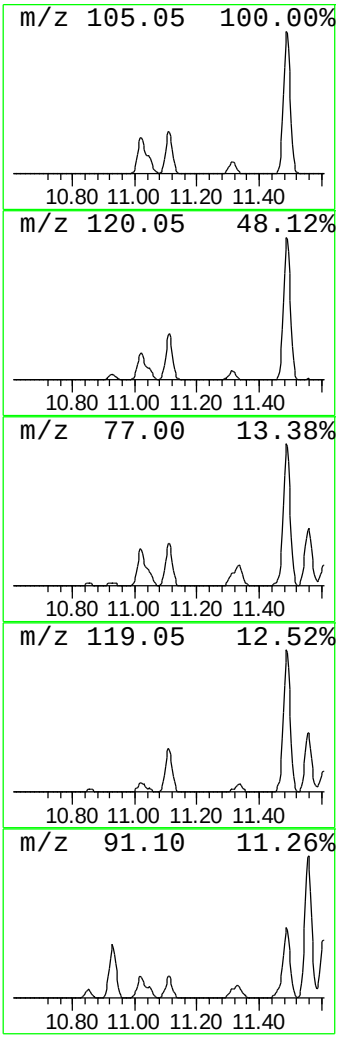
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	5.65 ug/L	85365	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	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

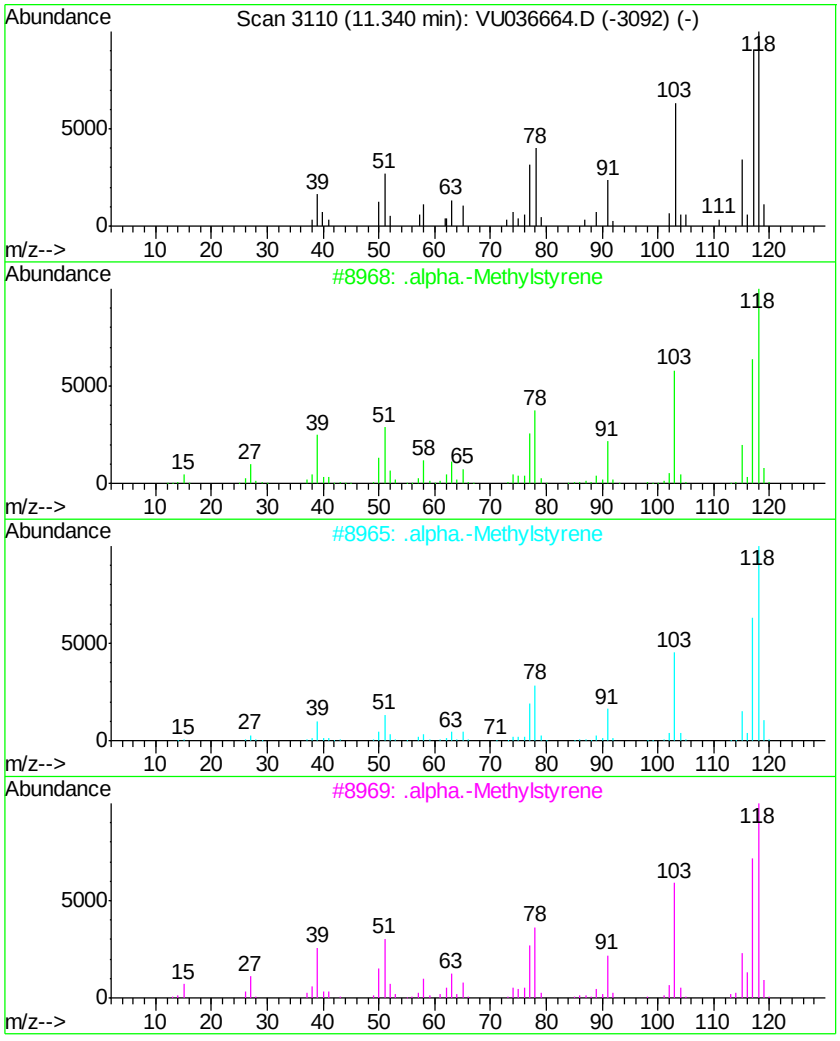
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

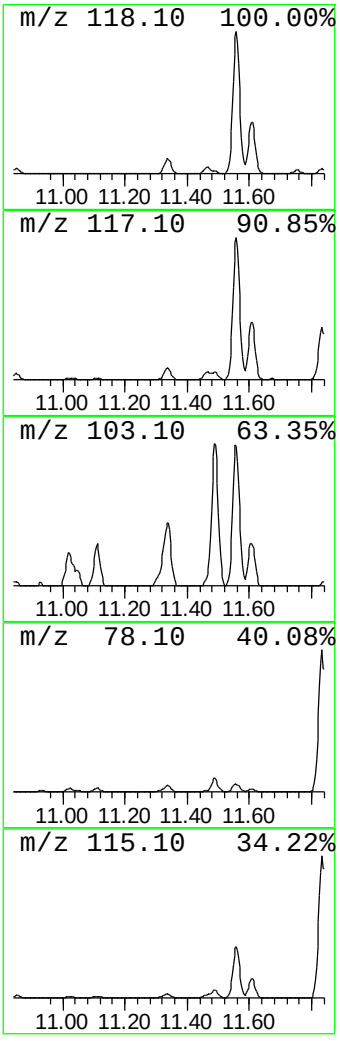
****

Peak Number 4 .alpha.-Methylstyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	3.56 ug/L	53826	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-propenyl-	118	C9H10	000637-50-3	64
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	64





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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

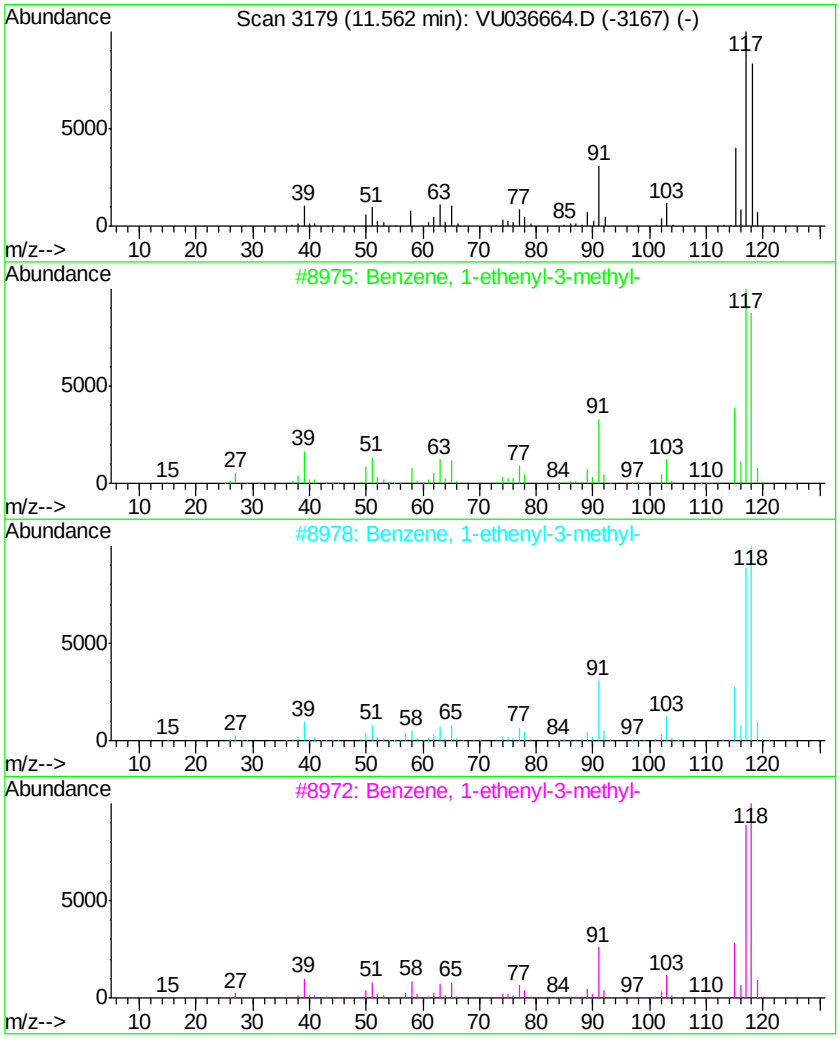
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

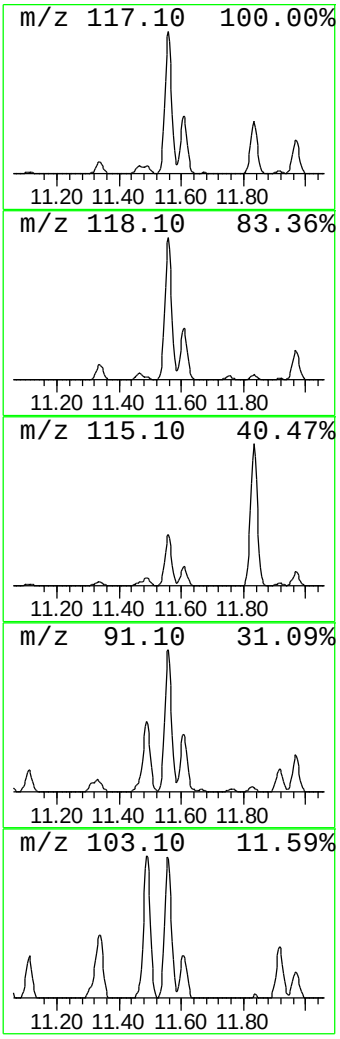
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	17.46 ug/L	263673	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-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013120\
Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

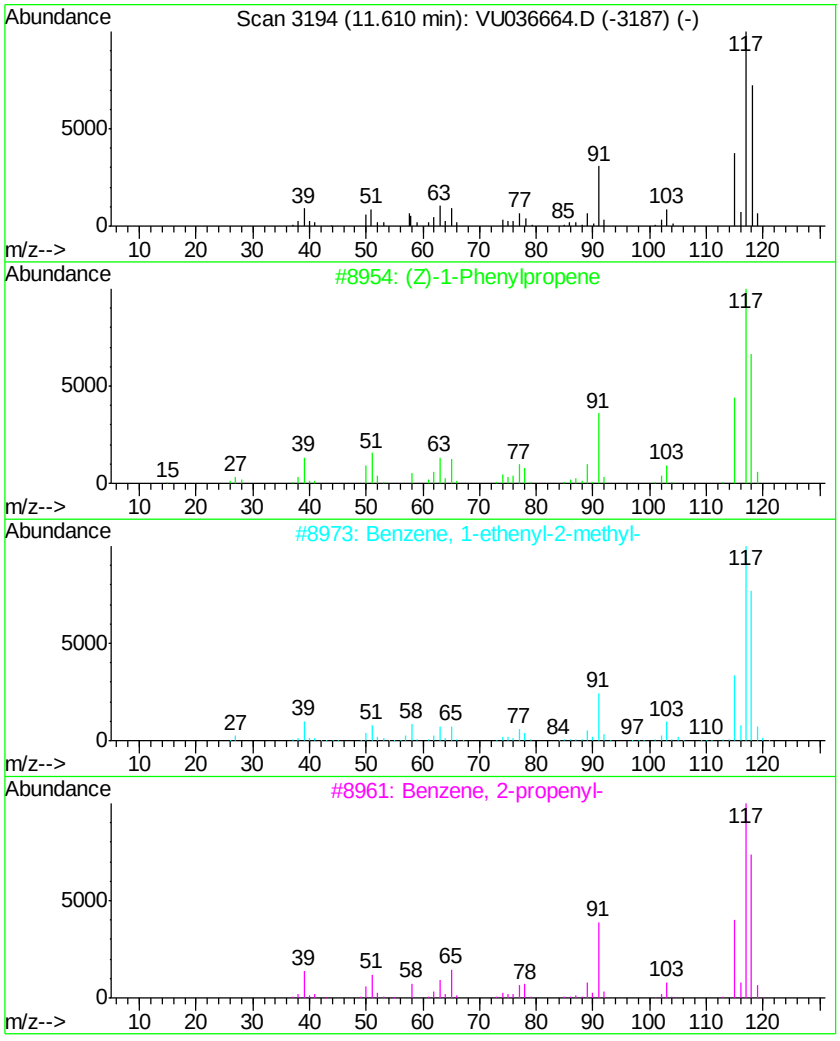
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

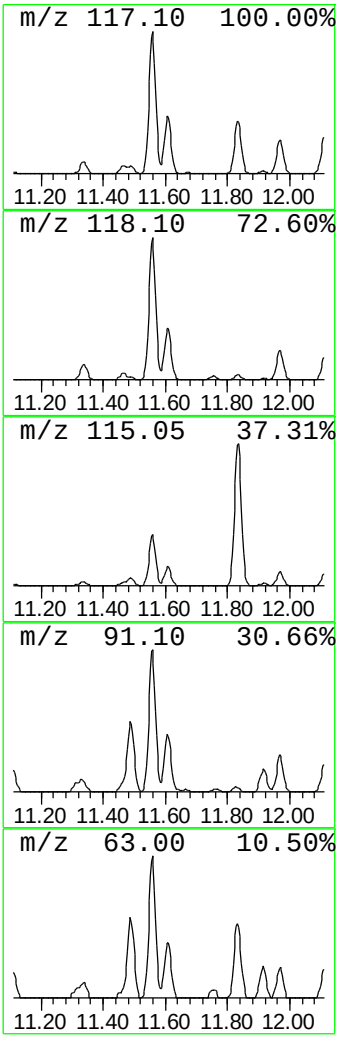
****

Peak Number 7 (Z)-1-Phenylpropene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	6.44 ug/L	97222	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	91
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87





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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

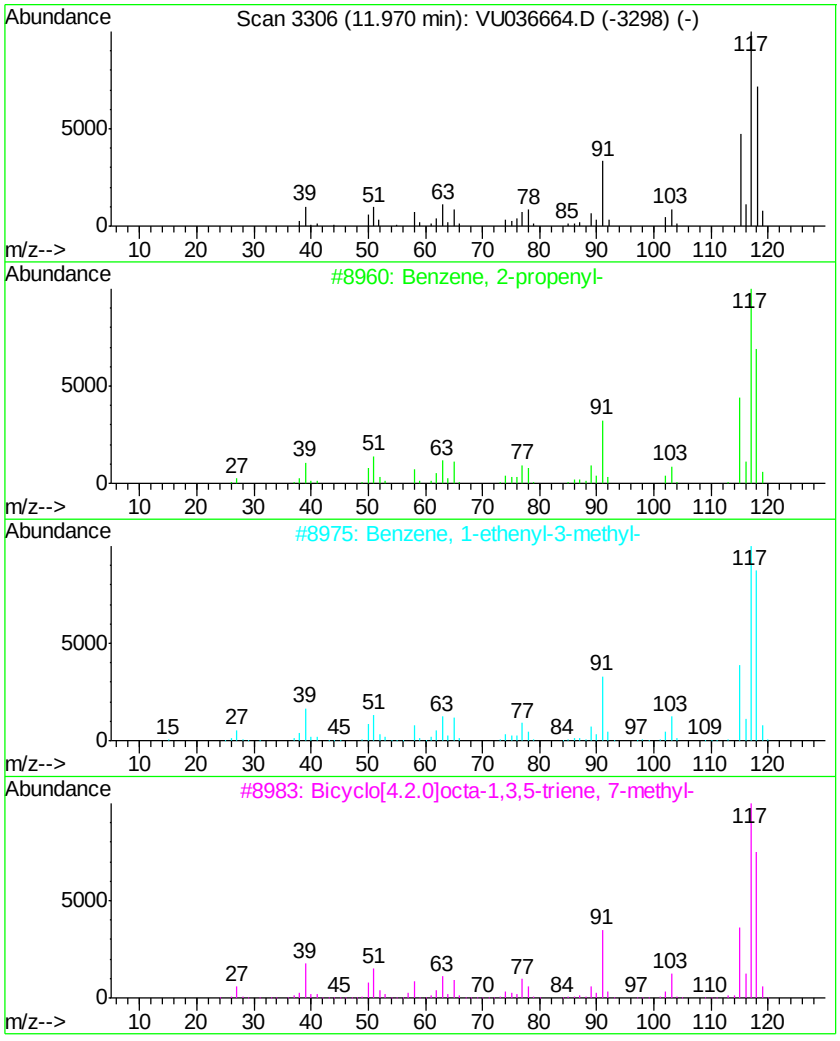
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

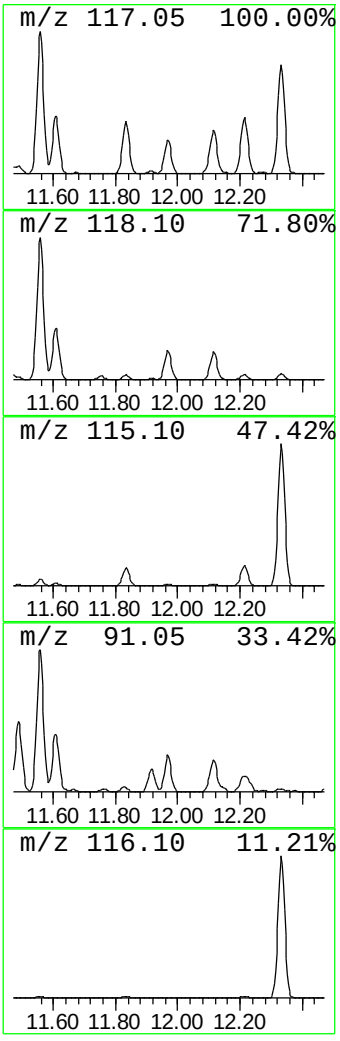
****

Peak Number 9 Benzene, 2-propenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	4.12 ug/L	62277	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, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	95
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	94





Library Search Compound Report

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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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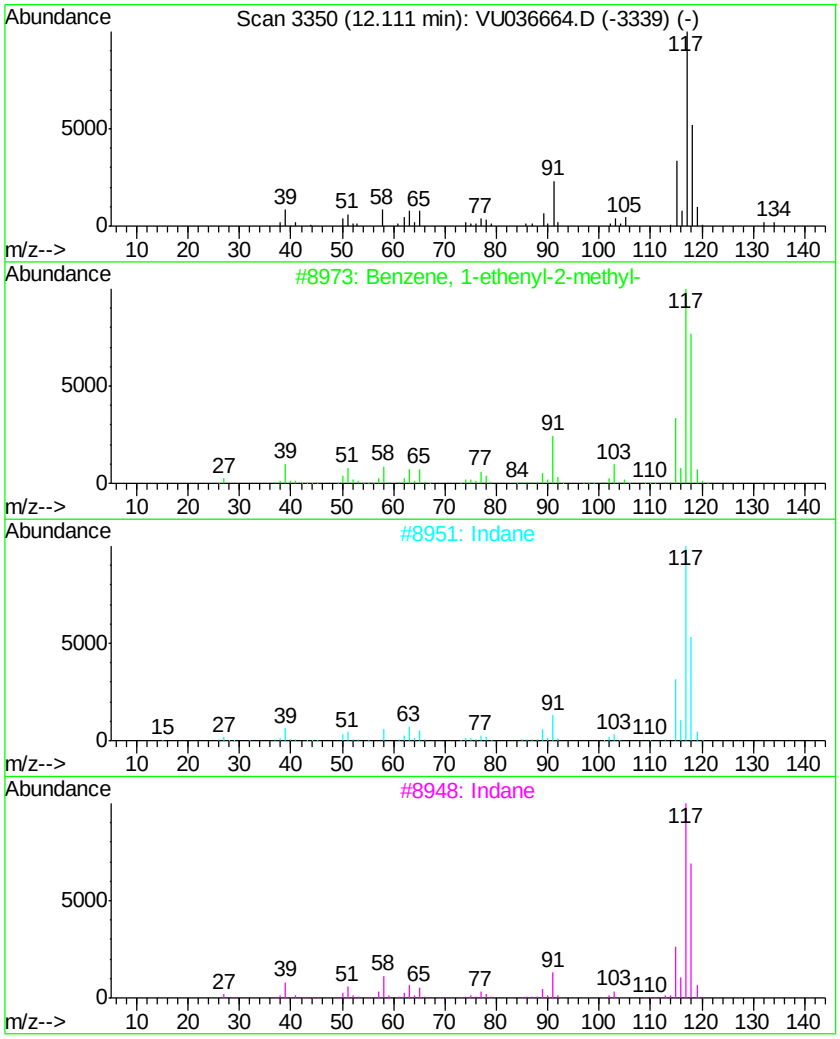
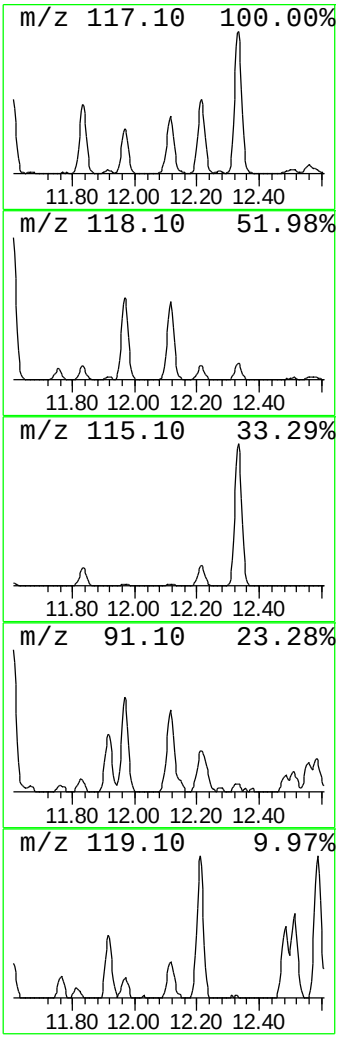
Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	4.90 ug/L	73931	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
2	Indane	118	C9H10	000496-11-7	81
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Library Search Compound Report

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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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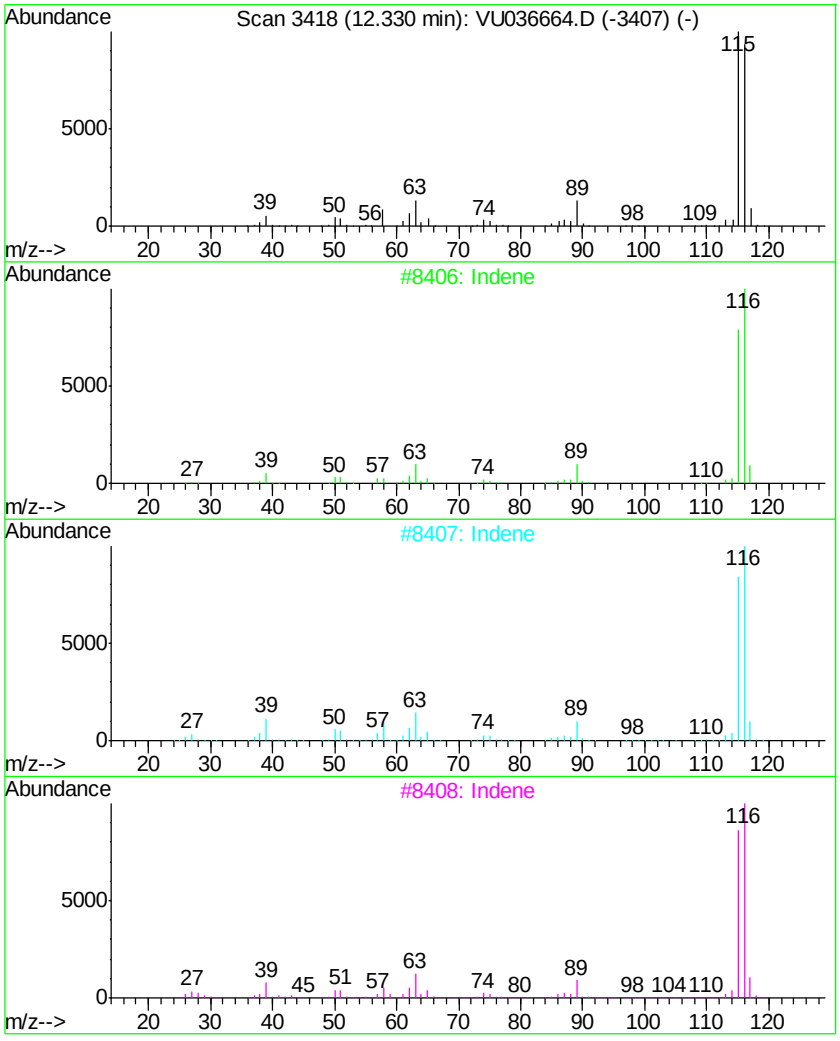
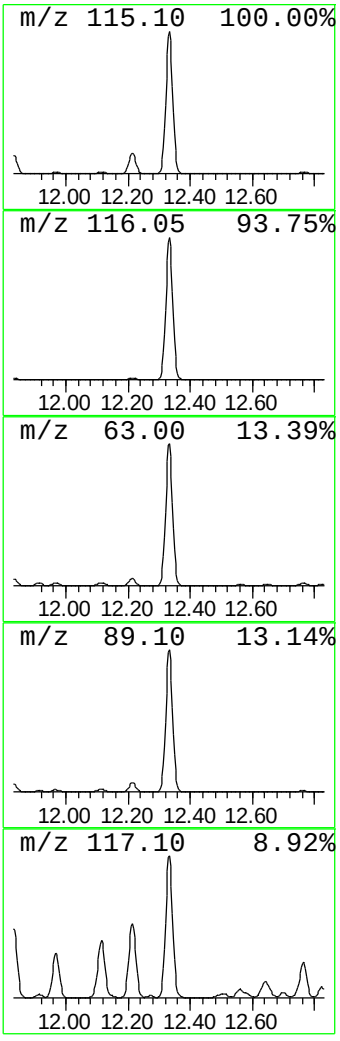
Peak Number 11 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	116.90 ug/L	1765290	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	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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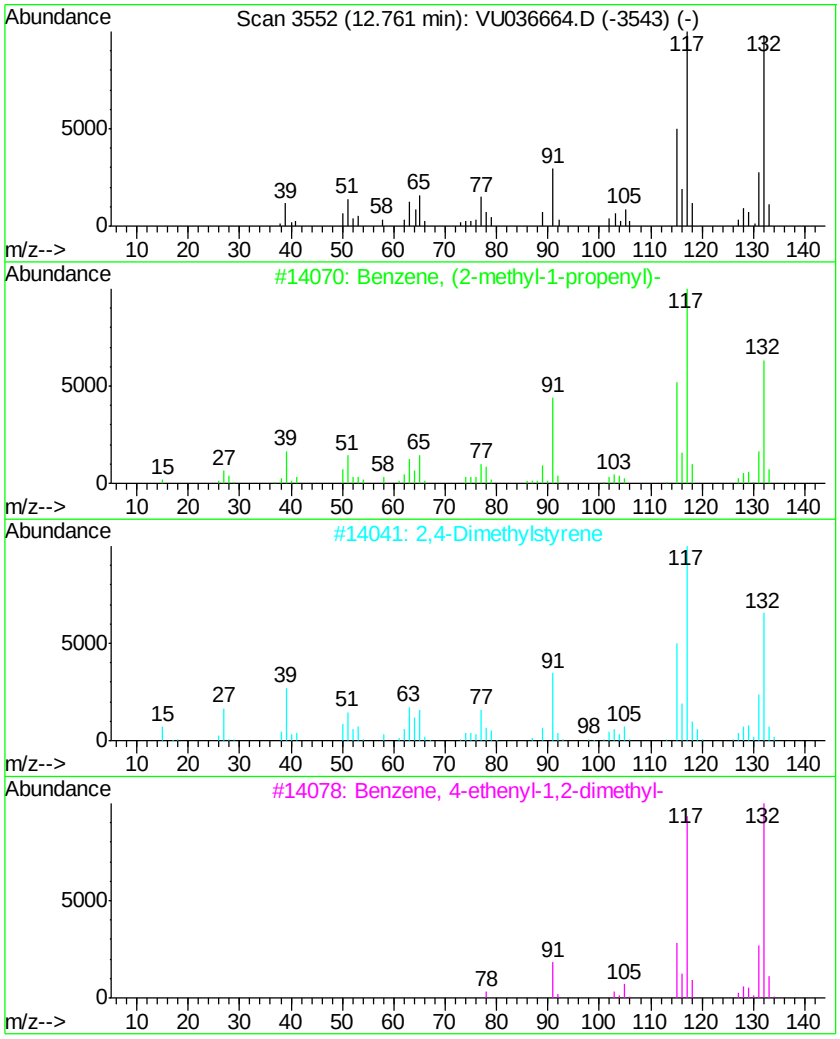
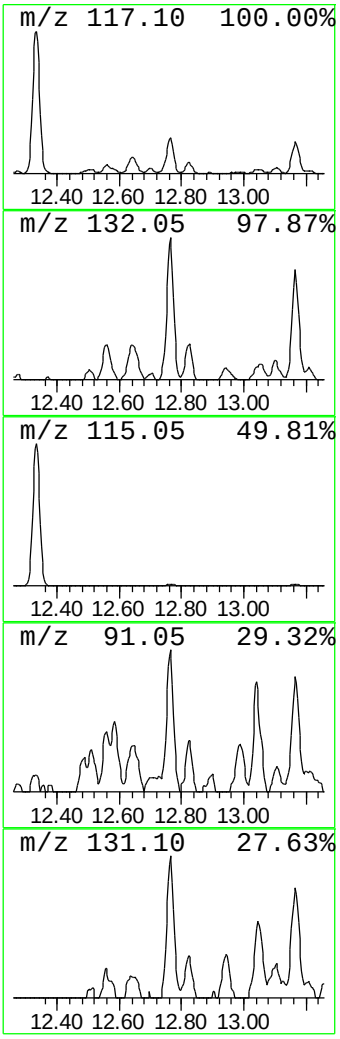
Peak Number 12 Benzene, (2-methyl-1-propen... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	4.33 ug/L	65401	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	94
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





Library Search Compound Report

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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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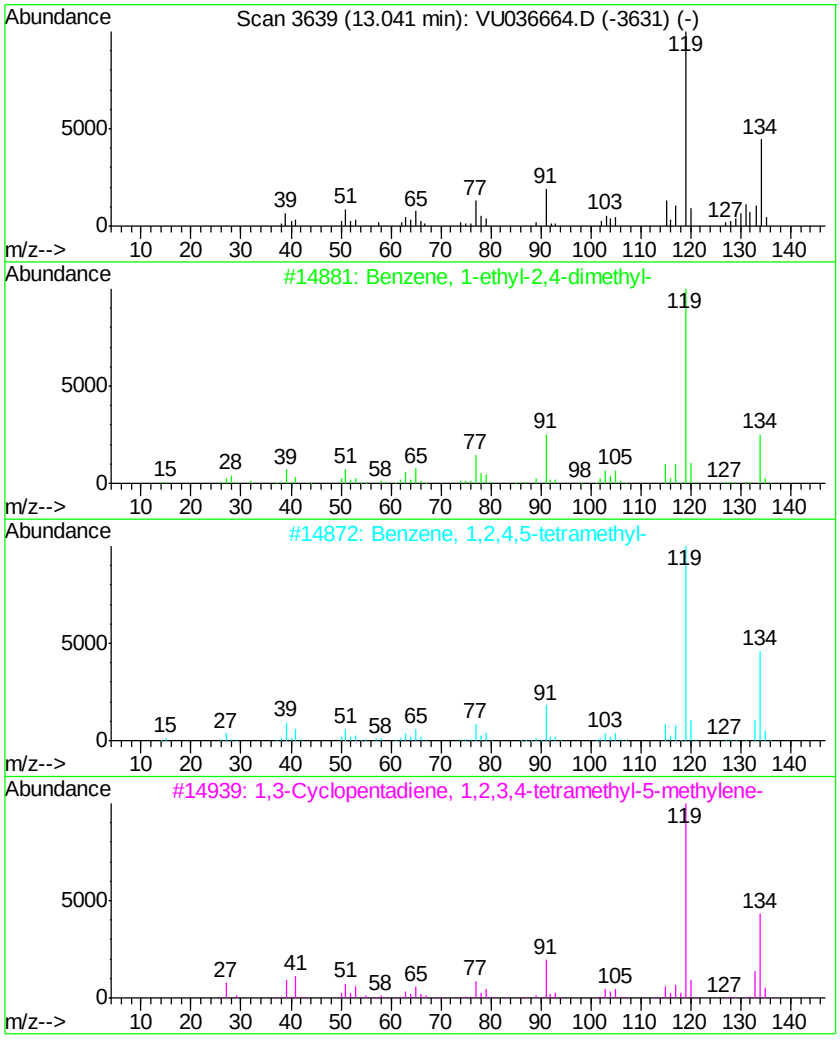
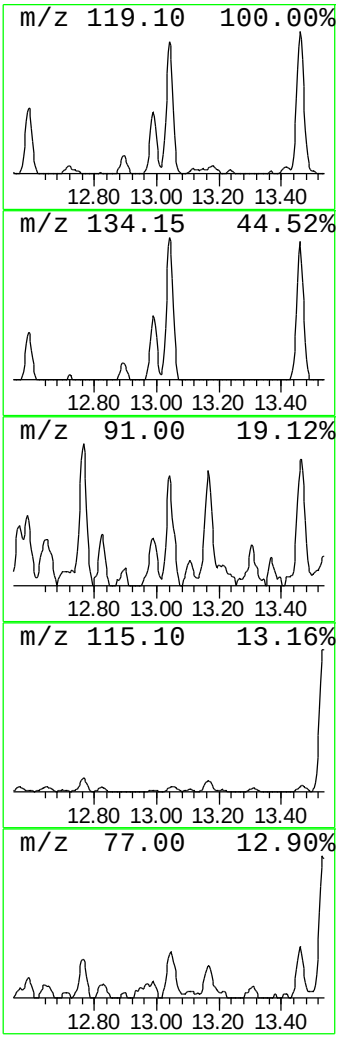
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	4.37 ug/L	66048	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93





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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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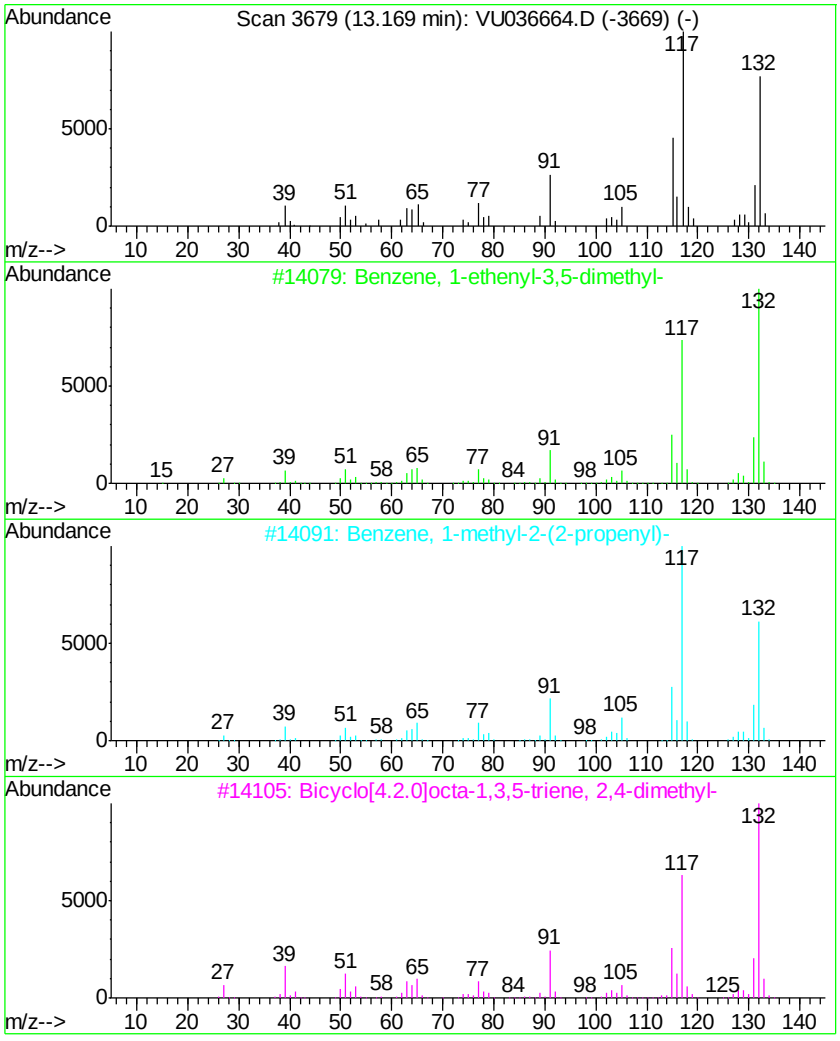
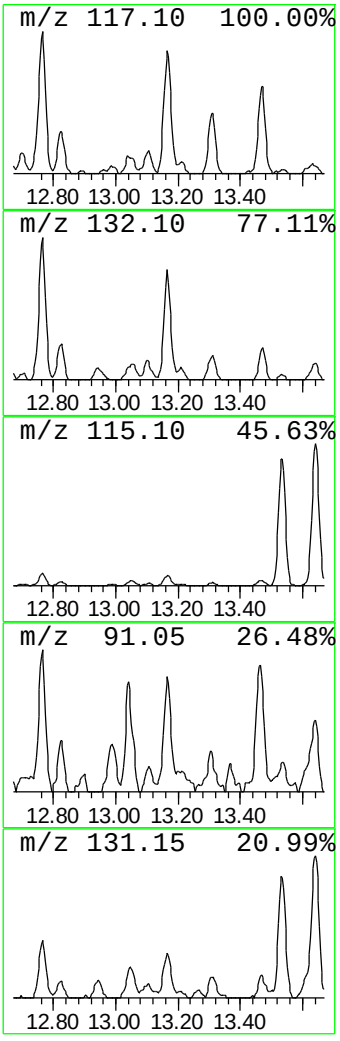
Peak Number 14 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.58 ug/L	54113	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94





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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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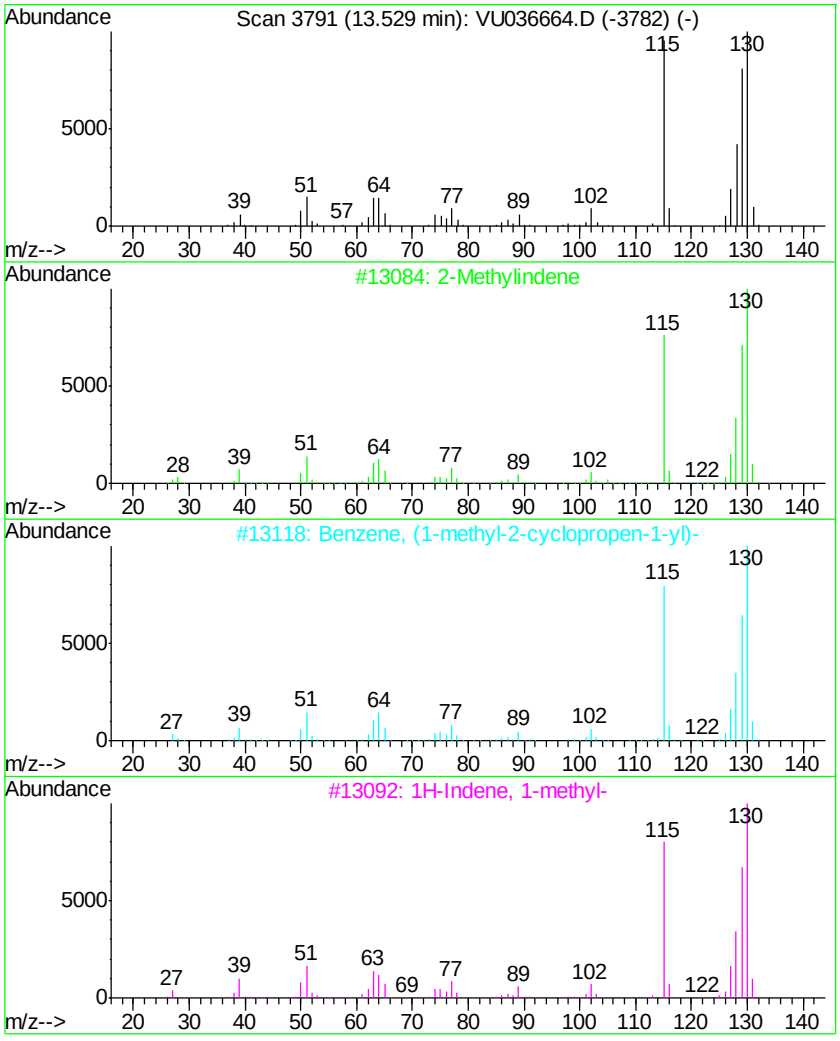
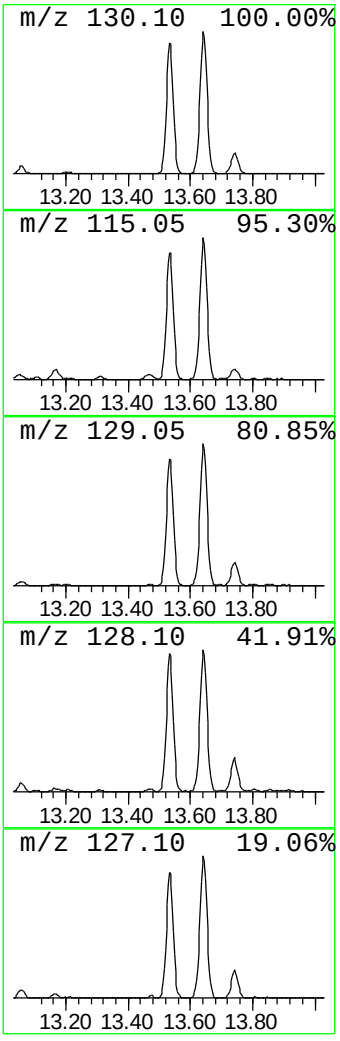
Peak Number 15 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	22.84 ug/L	344879	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Library Search Compound Report

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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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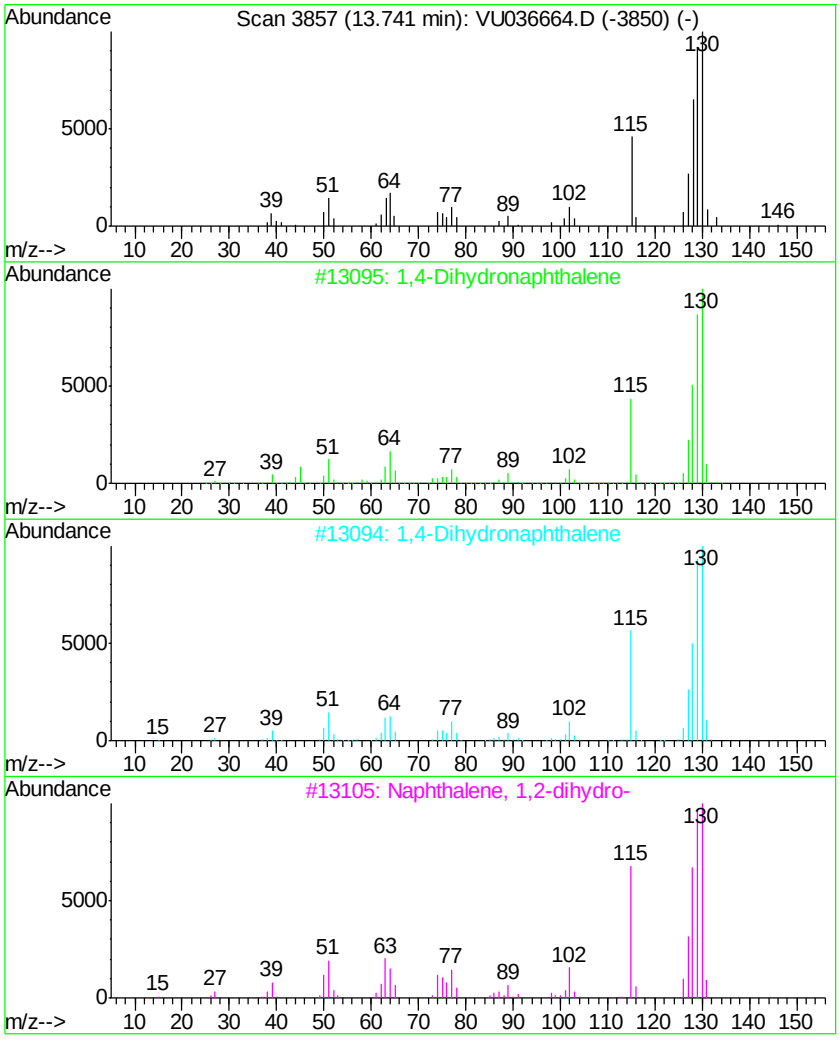
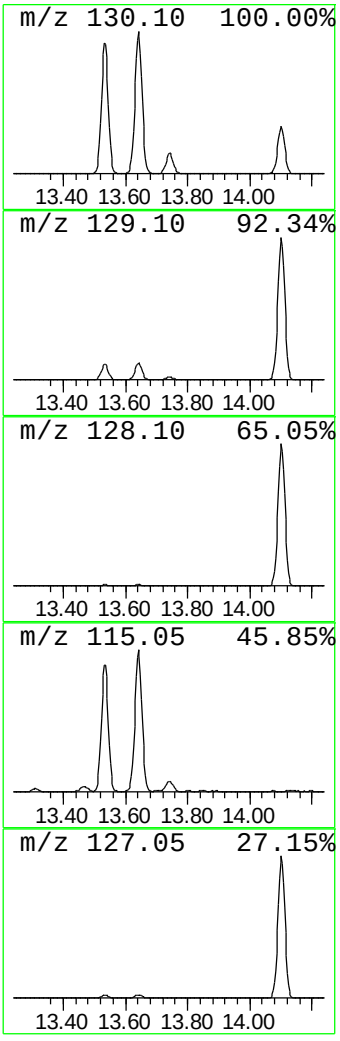
Peak Number 17 1,4-Dihydronaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.71 ug/L	56012	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	76





Library Search Compound Report

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Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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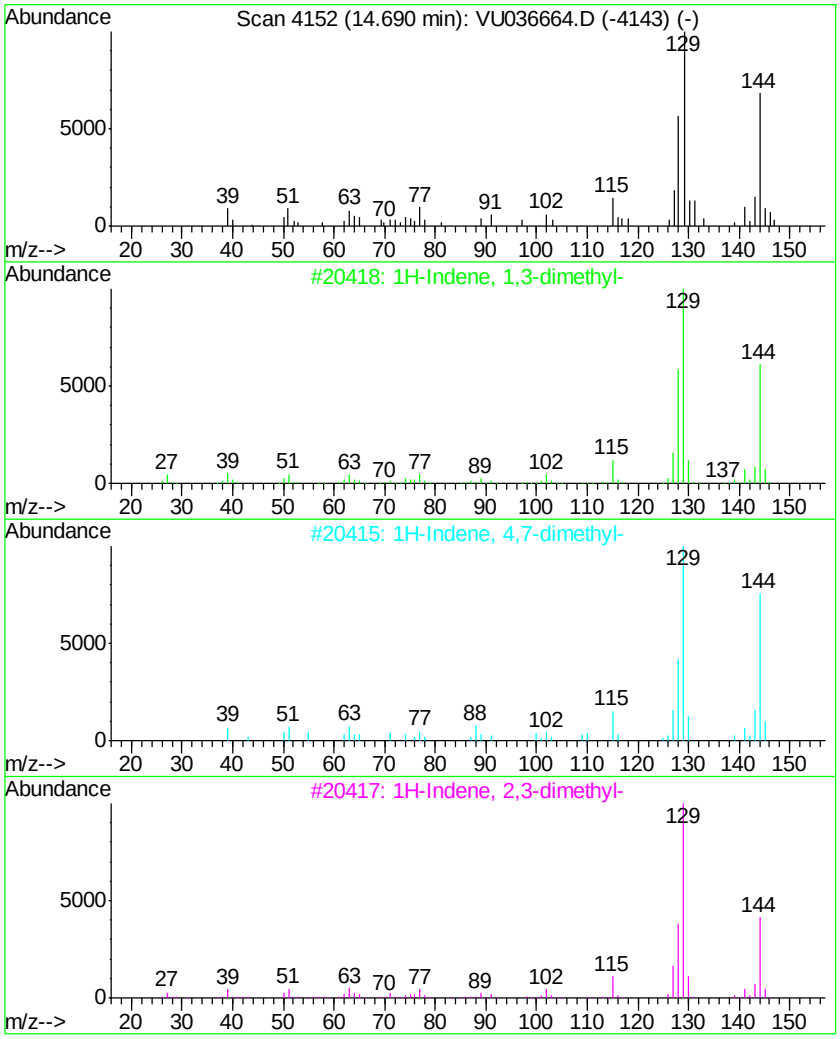
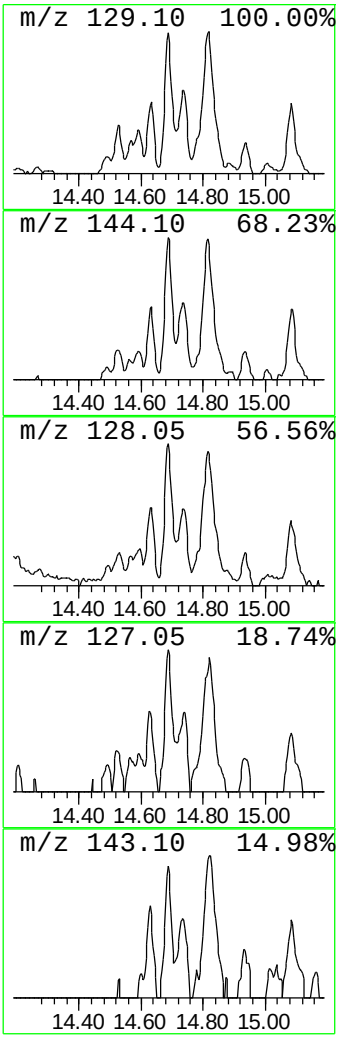
Peak Number 19 1H-Indene, 1,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.77 ug/L	41771	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	93
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	87
5	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87





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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

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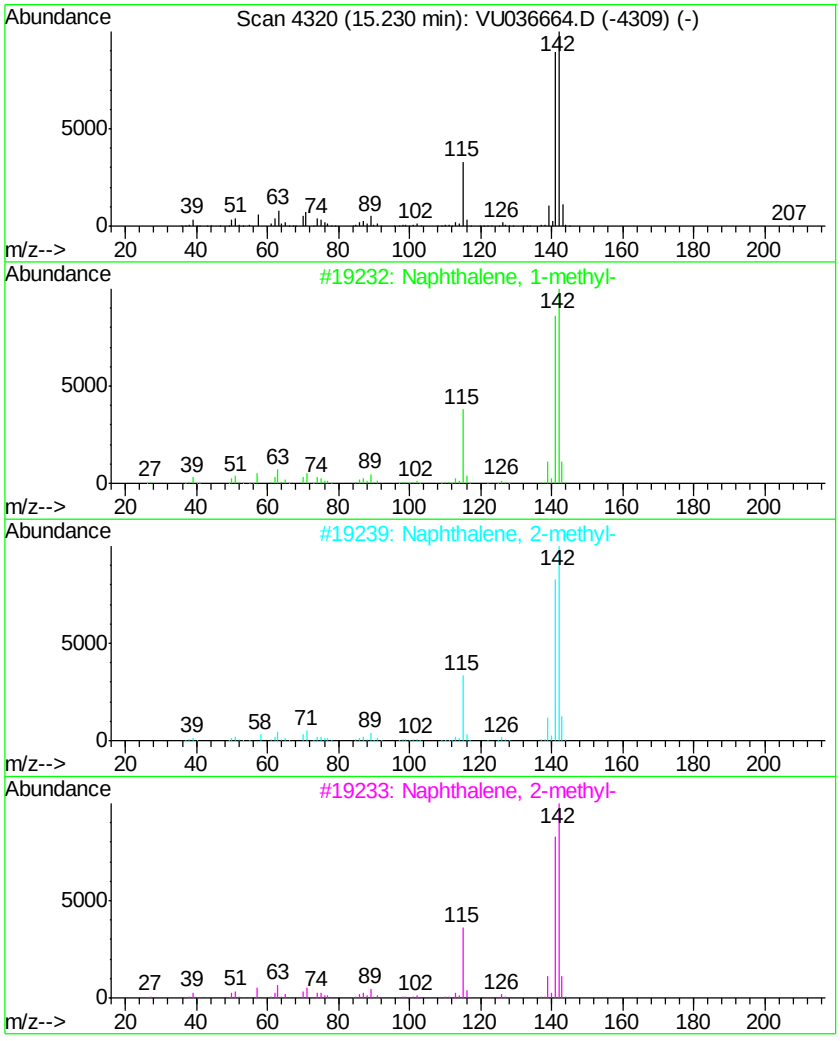
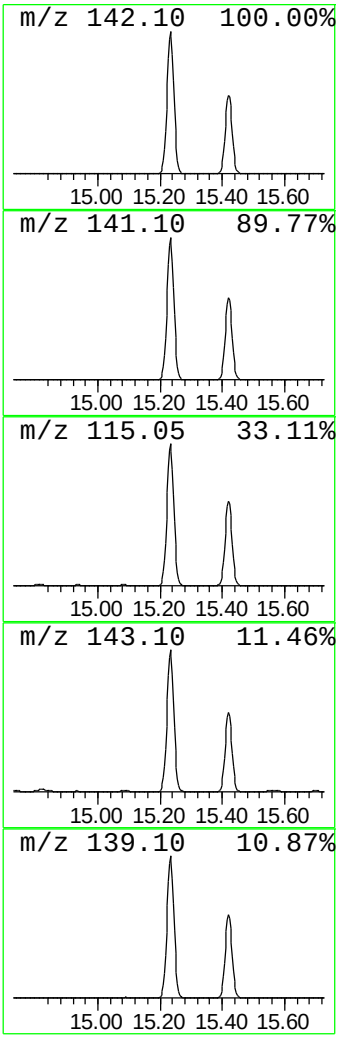
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	172.10 ug/L	2598920	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, 2-methyl-	142	C11H10	000091-57-6	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

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Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

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Quant Title : VOC Analysis

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

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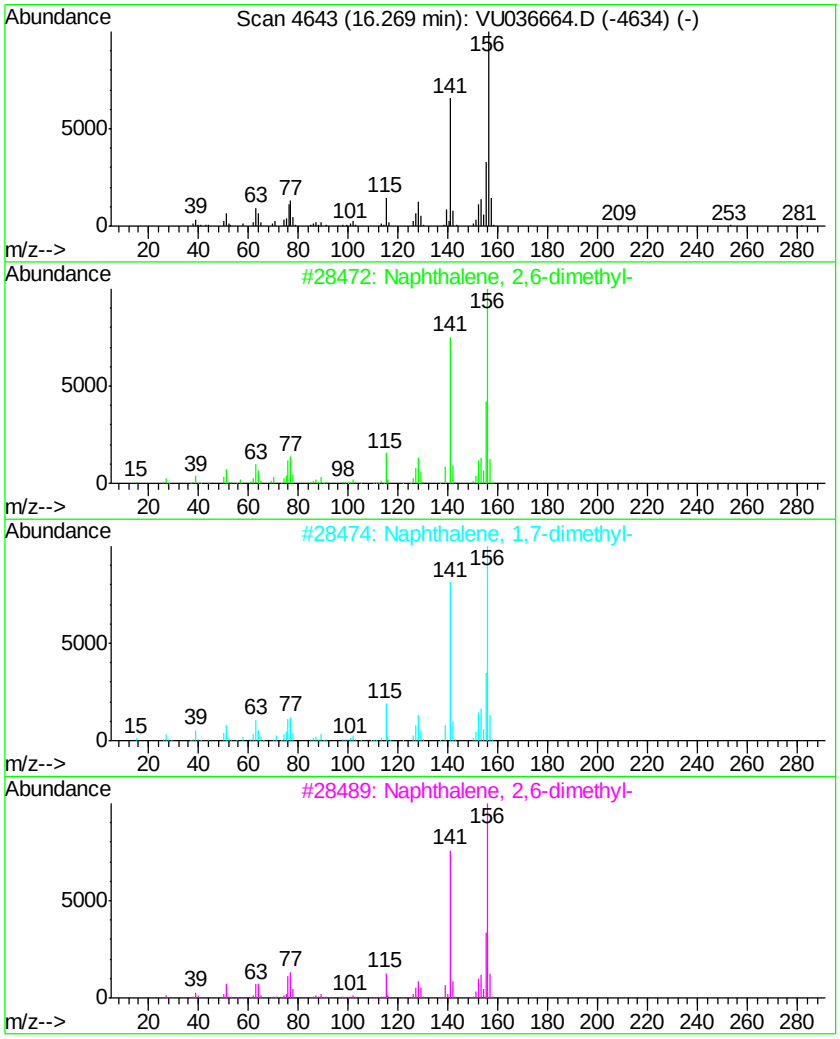
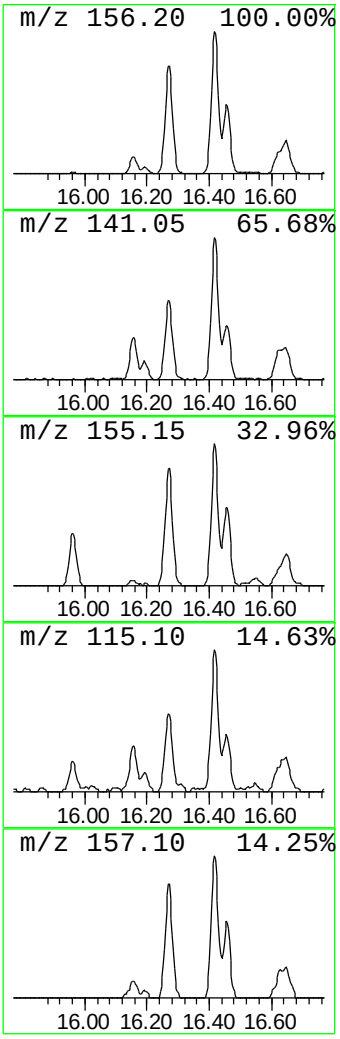
Peak Number 23 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	10.10 ug/L	152548	1,4-Dichlorobenzene-d4	11.83

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013120\
Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

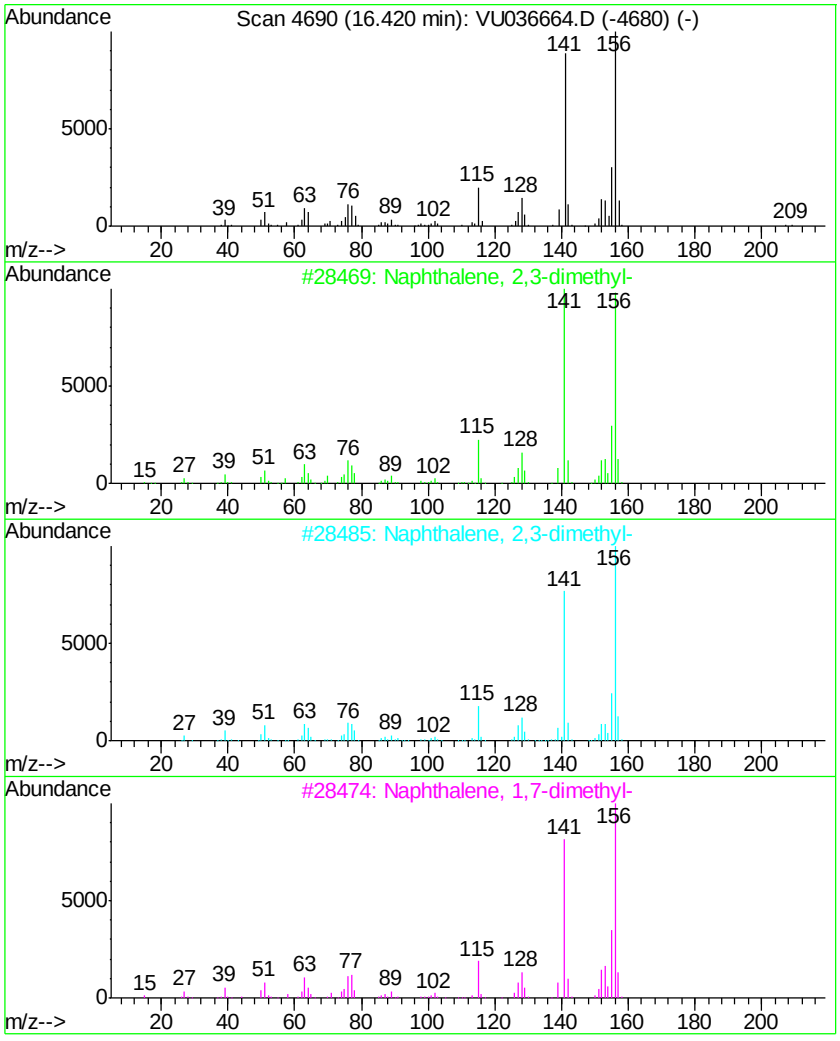
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

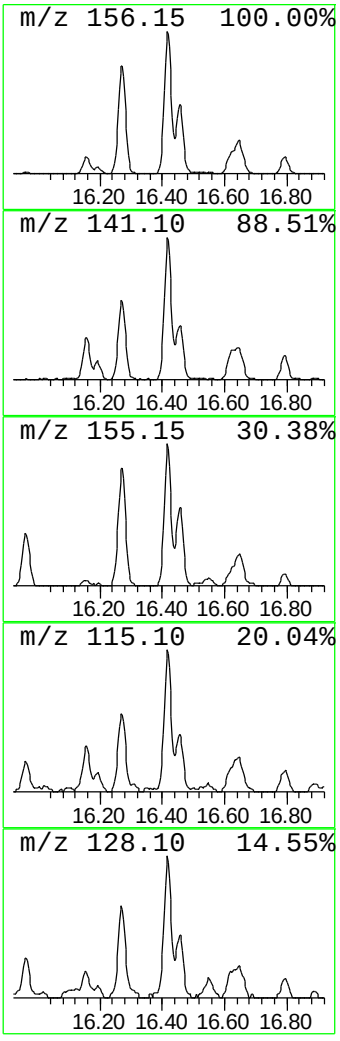
****

Peak Number 24 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	13.37 ug/L	201959	1,4-Dichlorobenzene-d4	11.83

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	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013120\
Data File : VU036664.D
Acq On : 01 Feb 2020 01:09
Operator : JC/MD
Sample : L1323-18 20X
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	11.02	5.8	ug/L	88026	3	11.83	755061	50.0
Benzene, 1,2,3-tr...	11.11	5.7	ug/L	85365	3	11.83	755061	50.0
.alpha.-Methylsty...	11.34	3.6	ug/L	53826	3	11.83	755061	50.0
Benzene, 1-etheny...	11.56	17.5	ug/L	263673	3	11.83	755061	50.0
(Z)-1-Phenylpropene	11.61	6.4	ug/L	97222	3	11.83	755061	50.0
Benzene, 2-propenyl-	11.97	4.1	ug/L	62277	3	11.83	755061	50.0
Benzene, 1-etheny...	12.11	4.9	ug/L	73931	3	11.83	755061	50.0
Indene	12.33	116.9	ug/L	1765290	3	11.83	755061	50.0
Benzene, (2-methy...	12.76	4.3	ug/L	65401	3	11.83	755061	50.0
Benzene, 1-ethyl-...	13.04	4.4	ug/L	66048	3	11.83	755061	50.0
Benzene, 1-etheny...	13.17	3.6	ug/L	54113	3	11.83	755061	50.0
2-Methylindene	13.53	22.8	ug/L	344879	3	11.83	755061	50.0
1,4-Dihydronaphth...	13.74	3.7	ug/L	56012	3	11.83	755061	50.0
1H-Indene, 1,3-di...	14.69	2.8	ug/L	41771	3	11.83	755061	50.0
Naphthalene, 1-me...	15.23	172.1	ug/L	2598920	3	11.83	755061	50.0
Naphthalene, 2,6-...	16.27	10.1	ug/L	152548	3	11.83	755061	50.0
Naphthalene, 2,3-...	16.42	13.4	ug/L	201959	3	11.83	755061	50.0