LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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	1.607	76	83	96	rVB	86350	107457	0.09%	0.033%
2	2.543	362	374	393	rVB	156050	258054	0.21%	0.078%
3	3.067	529	537	548	rVV2	21652	44579	0.04%	0.014%
4	3.215	570	583	610	rVV2	17033	46770	0.04%	0.014%
5	4.710	1029	1048	1089	rBV6	43684	189014	0.15%	0.057%
6	5.105	1154	1171	1193	rBV	131771	322853	0.26%	0.098%
7	5.485	1277	1289	1303	rVB2	21450	48755	0.04%	0.015%
8	5.755	1354	1373	1382	rBV2	350466	863208	0.69%	0.262%
9	5.806	1383	1389	1403	rVV	217935	413198	0.33%	0.125%
10	5.925	1415	1426	1442	rVV	28188	67757	0.05%	0.021%
11	6.282	1521	1537	1556	rBV	319507	651550	0.52%	0.198%
12	6.726	1661	1675	1689	rBV	184749	394988	0.32%	0.120%
13	7.600	1931	1947	1965	rVB	104565	203690	0.16%	0.062%
14	7.928	2037	2049	2062	rVV	421396	770468	0.62%	0.234%
15	7.999	2062	2071	2084	rVV	145037	262794	0.21%	0.080%
16	8.211	2127	2137	2162	rVB2	69700	140528	0.11%	0.043%
17	8.581	2238	2252	2264	rBV	100777	173940	0.14%	0.053%
18	8.690	2264	2286	2299	rBV	246674	529722	0.43%	0.161%
19	9.449	2506	2522	2538	rBV	430381	827995	0.67%	0.251%
20	9.600	2556	2569	2589	rBV	883450	1605533	1.29%	0.487%
21	9.722	2589	2607	2643	rVB	5725209	10699579	8.60%	3.245%
22	10.144	2720	2738	2763	rVB3	6167487	13176704	10.59%	3.996%
23	10.513	2834	2853	2861	rBV	40548	82111	0.07%	0.025%
24	10.790	2926	2939	2948	rBV	296856	506275	0.41%	0.154%
25	10.854	2949	2959	2971	rVV	192996	338644	0.27%	0.103%
26	10.931	2973	2983	3000	rVV	240496	408310	0.33%	0.124%
27	11.025	3000	3012	3031	rVV	1014565	2492463	2.00%	0.756%
28	11.115	3032	3040	3059	rVB	1328939	2267480	1.82%	0.688%
29	11.340	3092	3110	3122	rBV2	603243	1443989	1.16%	0.438%
30	11.494	3133	3158	3169	rBV	4244577	7006323	5.63%	2.125%
31	11.562	3169	3179	3188	rVV	4308026	6681250	5.37%	2.026%
32	11.613	3188	3195	3206	rVV	1718543	2564277	2.06%	0.778%
33	11.668	3206	3212	3223	rVB6	52782	89959	0.07%	0.027%
34	11.761	3225	3241	3252	rBV4	101316	236551	0.19%	0.072%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
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Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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	11.838	3252	3265	3275	rBV2	577992	970591	0.78%	0.294%
36	11.918	3279	3290	3299	rVV	1354666	2115041	1.70%	0.641%
37	11.973	3299	3307	3317	rVB	1043872	1543222	1.24%	0.468%
38	12.118	3340	3352	3360	rBV	1026225	1796811	1.44%	0.545%
39	12.217	3372	3383	3396	rVB4	878862	1528765	1.23%	0.464%
40	12.343	3397	3422	3435	rBV	21578177	36203639	29.10%	10.979%
41	12.401	3435	3440	3455	rVB3	92987	165512	0.13%	0.050%
42	12.488	3457	3467	3470	rBV	190755	270497	0.22%	0.082%
43	12.517	3472	3476	3483	rVB3	208395	258532	0.21%	0.078%
44	12.565	3483	3491	3494	rBV	286478	403713	0.32%	0.122%
45	12.648	3507	3517	3528	rBV2	330050	631726	0.51%	0.192%
46	12.706	3530	3535	3542	rBV2	38806	55872	0.04%	0.017%
47	12.767	3544	3554	3565	rVB	1112359	1742385	1.40%	0.528%
48	12.828	3565	3573	3587	rVB	323724	493343	0.40%	0.150%
49	12.899	3588	3595	3602	rBV	78676	109261	0.09%	0.033%
50	12.947	3603	3610	3616	rBV2	96332	150255	0.12%	0.046%
51	12.992	3617	3624	3632	rVB	300735	416682	0.33%	0.126%
52	13.050	3632	3642	3654	rBV3	887297	1712122	1.38%	0.519%
53	13.111	3654	3661	3669	rVB3	126054	176471	0.14%	0.054%
54	13.172	3669	3680	3689	rBV	890222	1525343	1.23%	0.463%
55	13.314	3714	3724	3735	rVB3	294331	472194	0.38%	0.143%
56	13.375	3736	3743	3747	rBV2	50981	71986	0.06%	0.022%
57	13.410	3748	3754	3760	rVV3	146600	236698	0.19%	0.072%
58	13.468	3760	3772	3783	rVV4	1028176	2128380	1.71%	0.645%
59	13.542	3784	3795	3811	rVV	5507603	8602658	6.91%	2.609%
60	13.652	3812	3829	3842	rVV	5546370	9401019	7.56%	2.851%
61	13.748	3843	3859	3871	rVB2	805693	1413731	1.14%	0.429%
62	13.867	3888	3896	3903	rBV3	99602	169658	0.14%	0.051%
63	13.999	3929	3937	3947	rBV	76613	147492	0.12%	0.045%
64	14.057	3950	3955	3958	rVV2	87439	113449	0.09%	0.034%
65	14.140	3958	3981	3994	rVV5	39327171	124413904	100.00%	37.730%
66	14.233	3998	4010	4026	rVB	1143375	1869897	1.50%	0.567%
67	14.433	4067	4072	4076	rBV5	40876	45163	0.04%	0.014%
68	14.465	4077	4082	4086	rVV2	58735	60616	0.05%	0.018%
69	14.500	4087	4093	4097	rBV4	83888	106387	0.09%	0.032%
70	14.533	4098	4103	4110	rVB	160220	198173	0.16%	0.060%
71	14.590	4110	4121	4129	rBV3	202965	424440	0.34%	0.129%

LSC Area Percent Report

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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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	14.635	4129	4135	4143	rVB	285251	399863	0.32%	0.121%
73	14.693	4143	4153	4161	rBV2	634709	1111723	0.89%	0.337%
74	14.822	4177	4193	4209	rBV3	554225	1338859	1.08%	0.406%
75	14.893	4211	4215	4222	rVB3	80346	101370	0.08%	0.031%
76	14.941	4223	4230	4244	rVB2	213659	344359	0.28%	0.104%
77	15.024	4247	4256	4257	rBV2	84683	110065	0.09%	0.033%
78	15.089	4269	4276	4294	rVB	312160	567024	0.46%	0.172%
79	15.185	4297	4306	4312	rVV	249393	410185	0.33%	0.124%
80	15.250	4312	4326	4350	rVV	24498109	41199192	33.11%	12.494%
81	15.356	4351	4359	4367	rVV	115089	193869	0.16%	0.059%
82	15.430	4369	4382	4415	rVB	11347450	18335151	14.74%	5.560%
83	15.967	4538	4549	4559	rBV	562363	846931	0.68%	0.257%
84	16.159	4601	4609	4616	rBV	129466	180928	0.15%	0.055%
85	16.198	4617	4621	4630	rVB	47418	62366	0.05%	0.019%
86	16.275	4633	4645	4666	rVB	654197	1157377	0.93%	0.351%
87	16.420	4679	4690	4697	rVV	682097	1127620	0.91%	0.342%
88	16.459	4697	4702	4717	rVB	386425	578136	0.46%	0.175%
89	16.552	4721	4731	4743	rVB	244800	386906	0.31%	0.117%
90	16.648	4743	4761	4781	rVB2	225806	550961	0.44%	0.167%
91	16.796	4797	4807	4825	rBV	134493	237055	0.19%	0.072%
92	16.893	4826	4837	4854	rBV2	596410	970501	0.78%	0.294%
93	16.989	4860	4867	4878	rVB2	132045	206319	0.17%	0.063%
94	17.114	4896	4906	4918	rBV2	108869	247588	0.20%	0.075%
95	17.233	4937	4943	4951	rVB	30474	44532	0.04%	0.014%
96	17.304	4954	4965	4968	rBV7	49748	81656	0.07%	0.025%
97	17.336	4969	4975	4983	rVB	120865	175583	0.14%	0.053%
98	17.388	4983	4991	4997	rBV2	130426	208539	0.17%	0.063%
99	17.548	5031	5041	5053	rVB2	171264	306826	0.25%	0.093%
100	17.616	5053	5062	5071	rBV2	125420	205445	0.17%	0.062%

Sum of corrected areas: 329749325

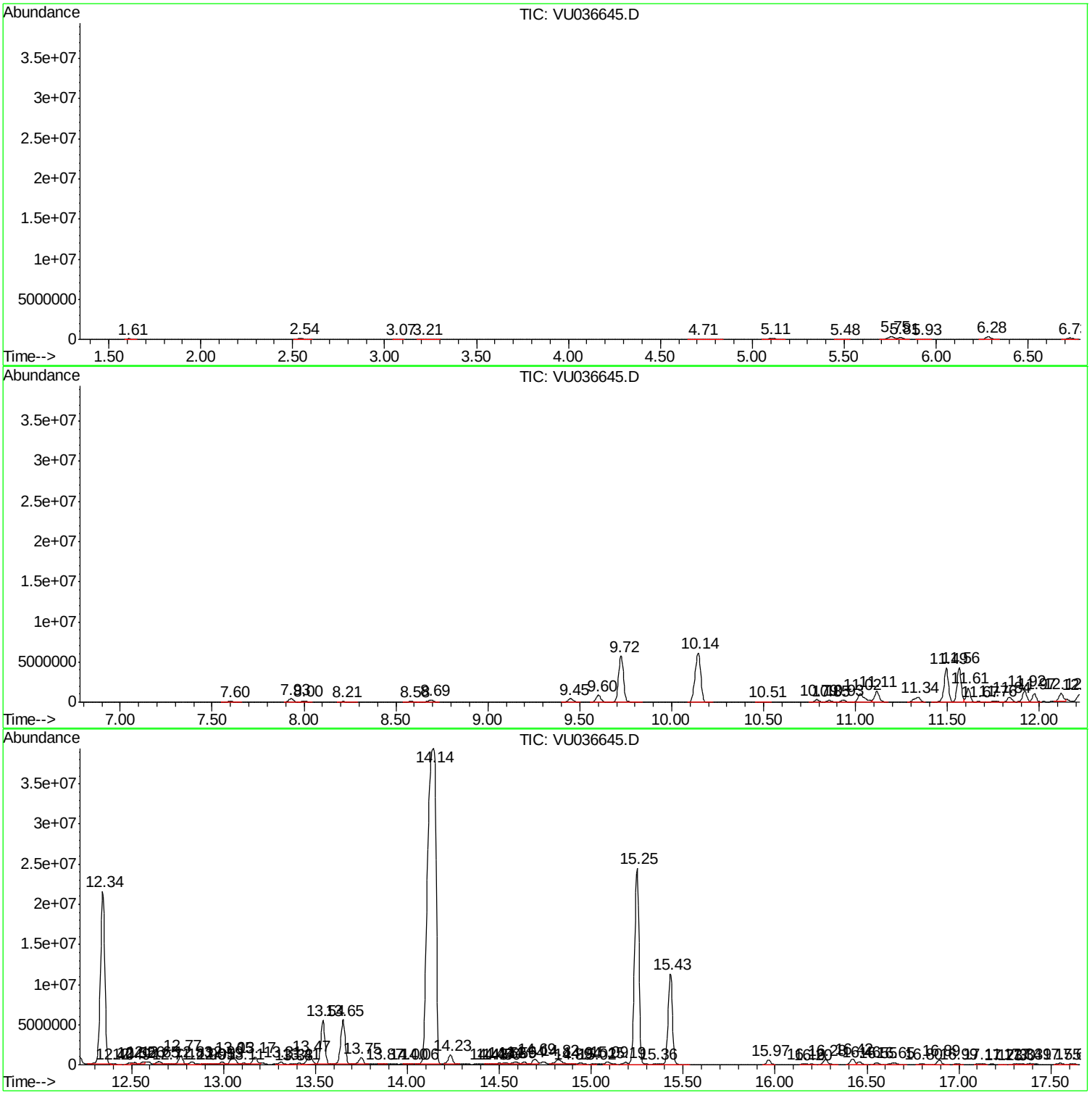
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

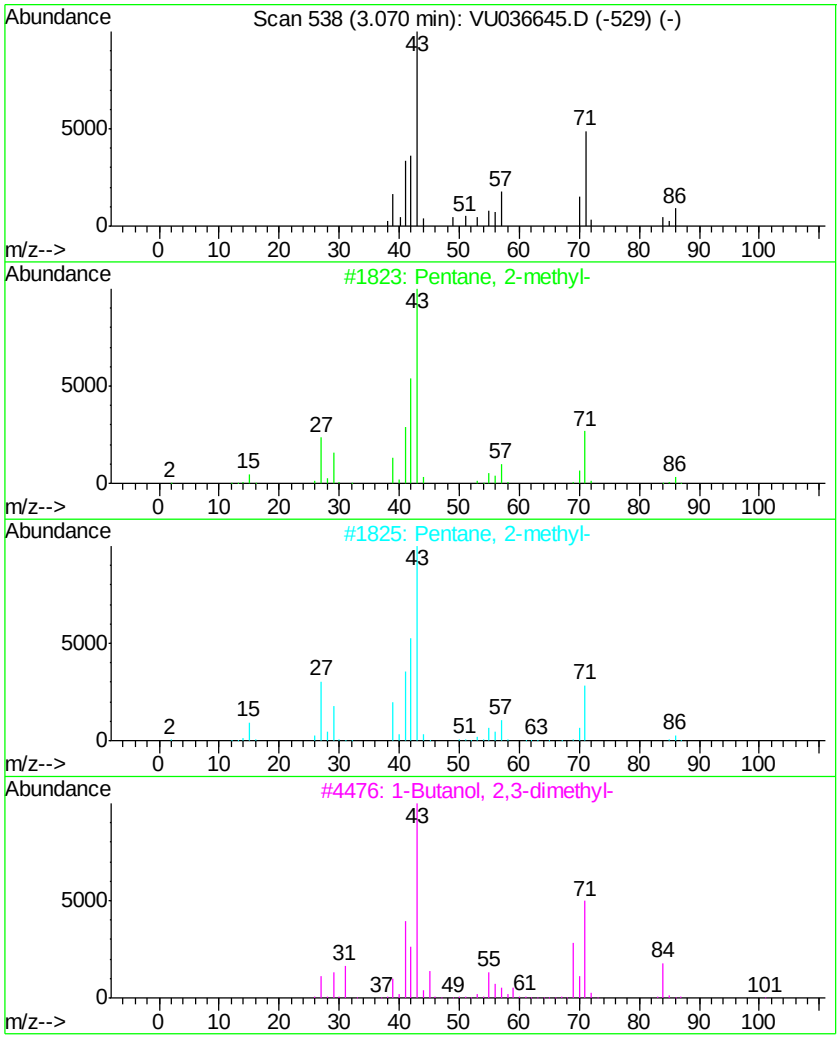
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

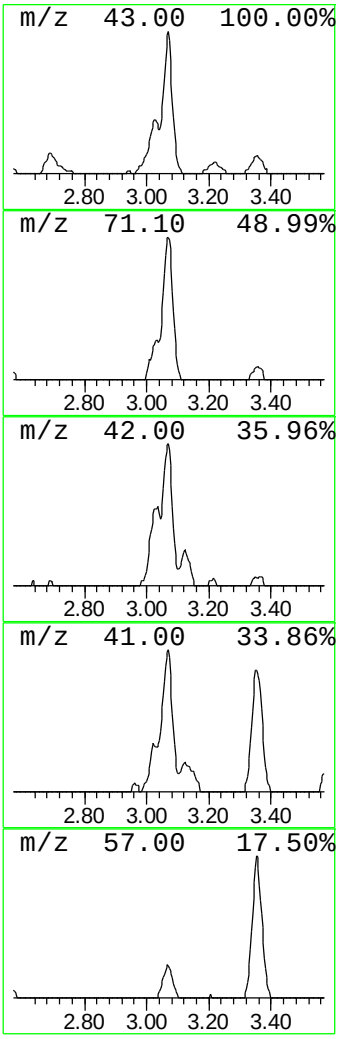
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	3.42 ug/L	44579	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	56
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	53
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

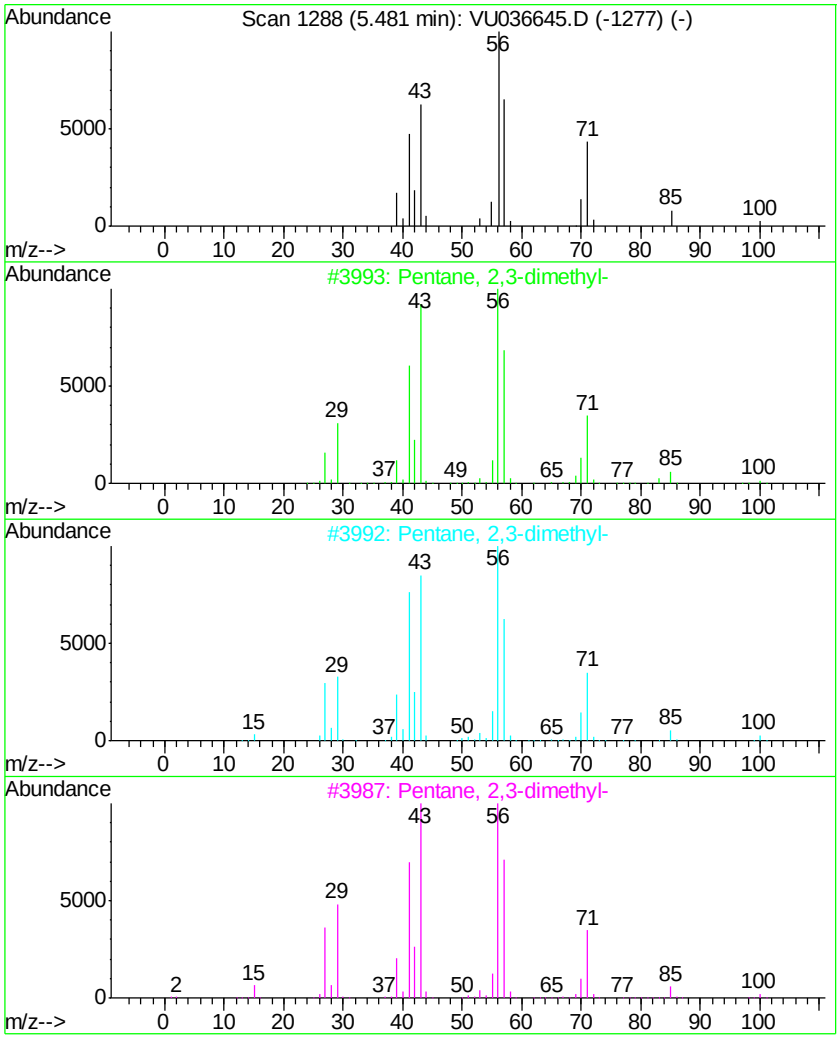
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

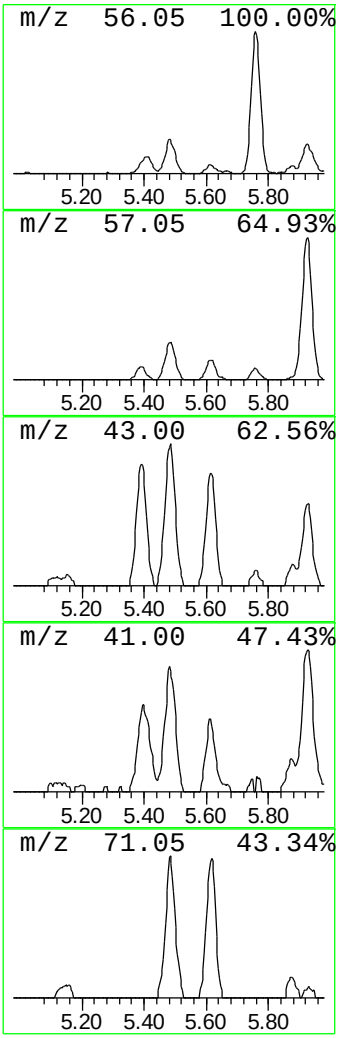
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	3.74 ug/L	48755	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

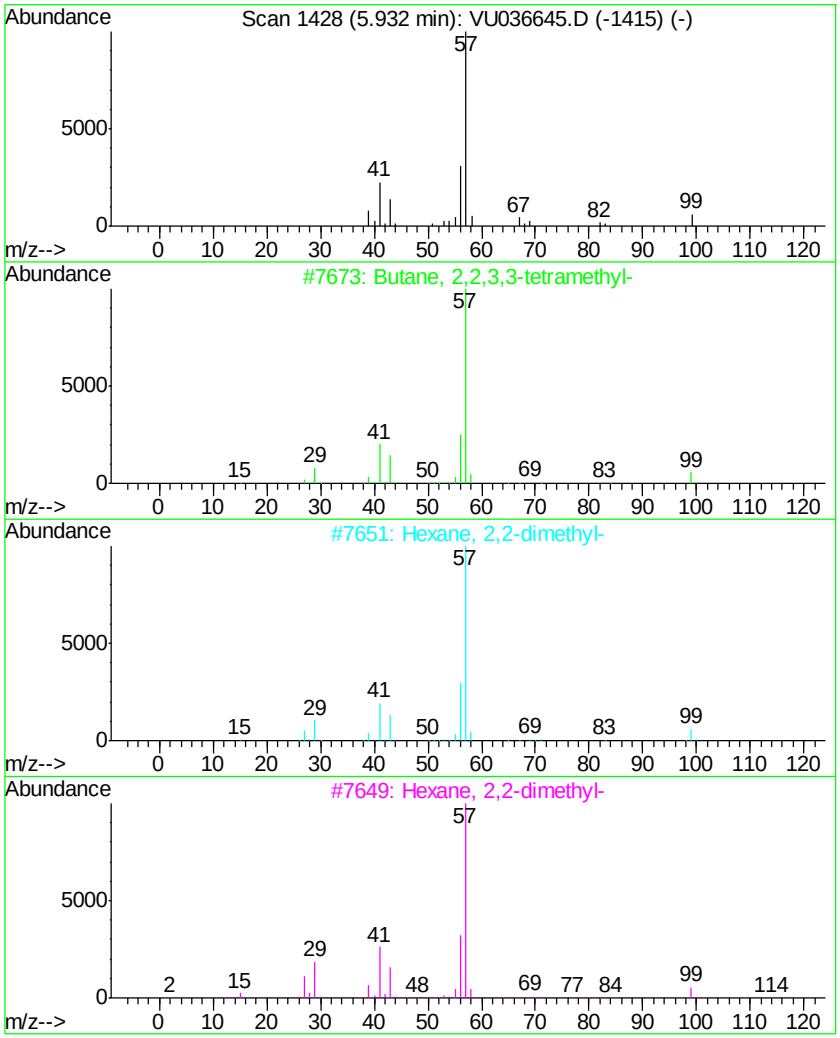
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

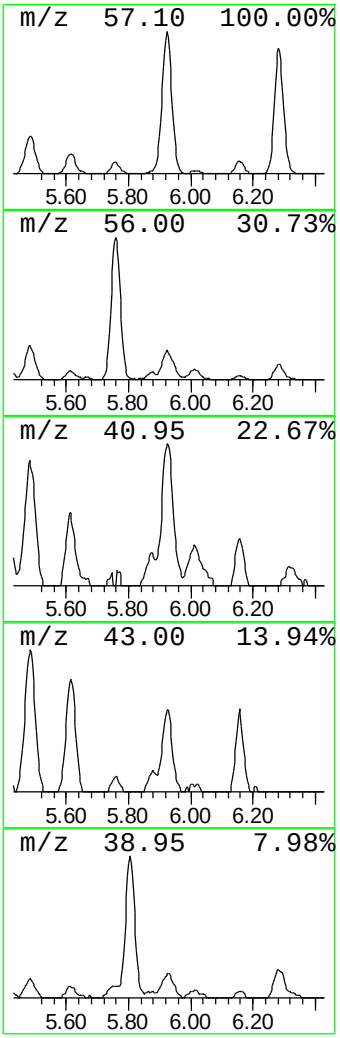
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	5.20 ug/L	67757	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

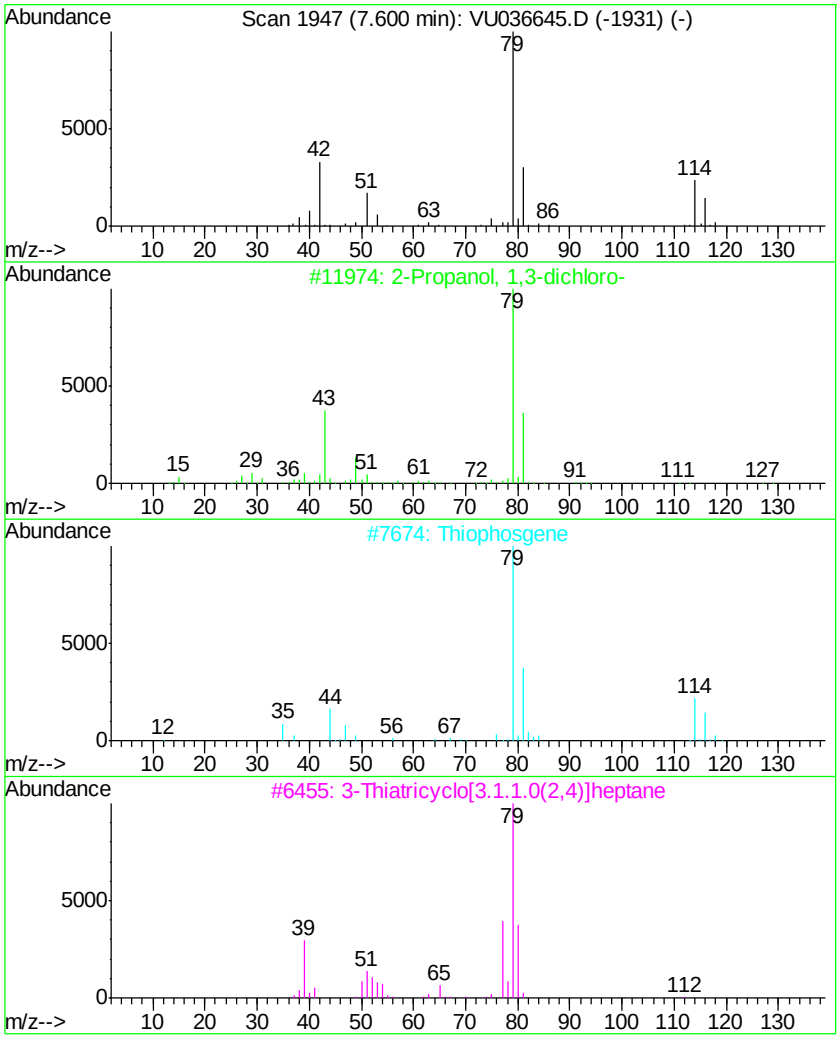
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

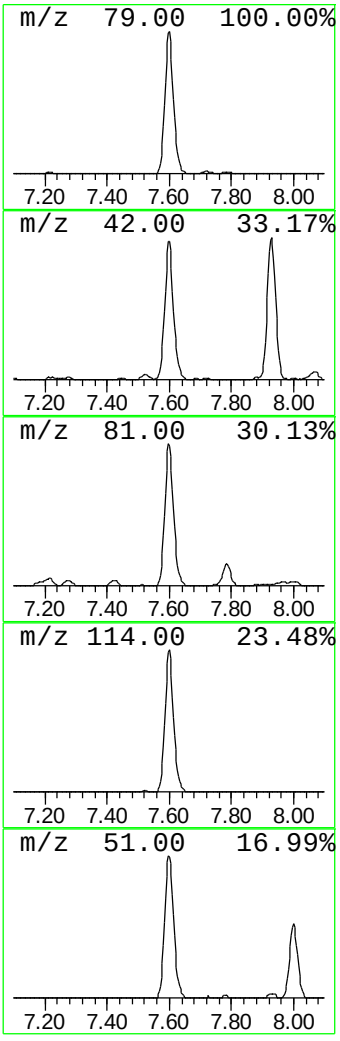
****

Peak Number 5 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	15.63 ug/L	203690	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	38
2	Thiophosgene	114	CCl2S	000463-71-8	38
3	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	37
4	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	28
5	1,3-Cyclohexadiene	80	C6H8	000592-57-4	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

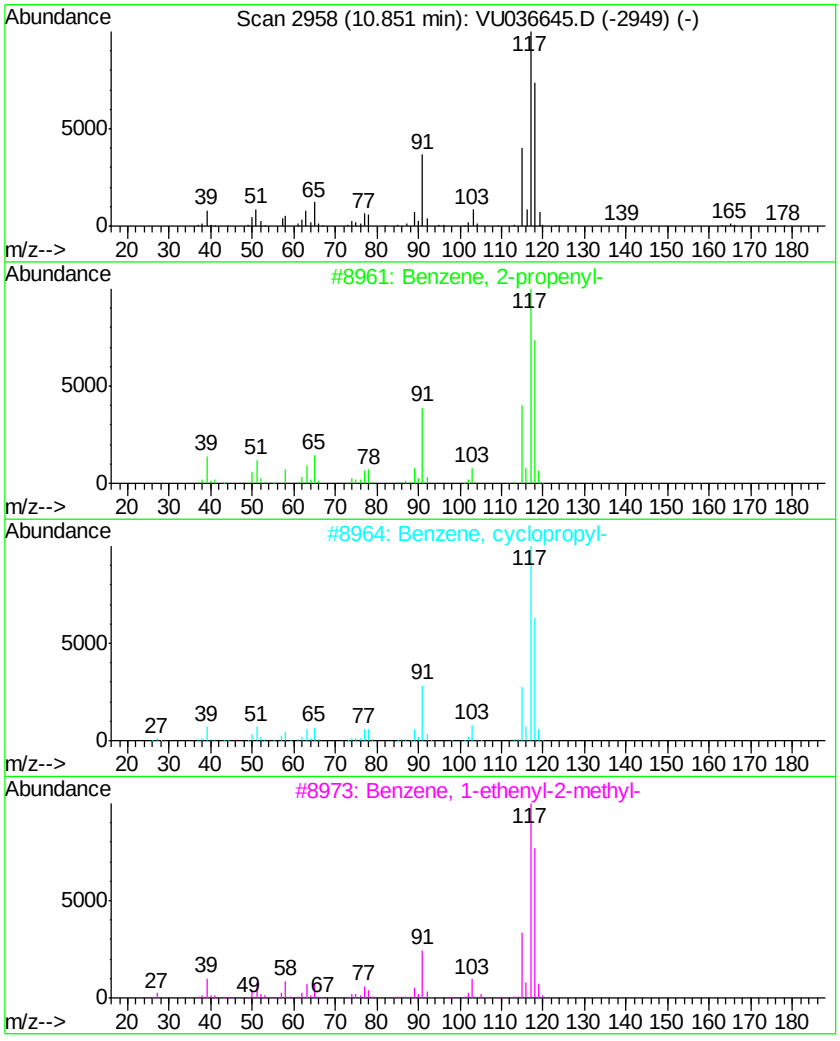
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

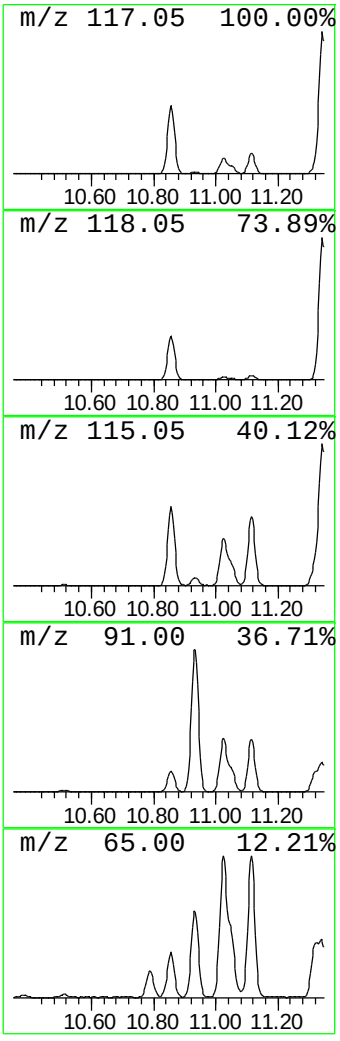
****

Peak Number 6 Benzene, 2-propenyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	17.45 ug/L	338644	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

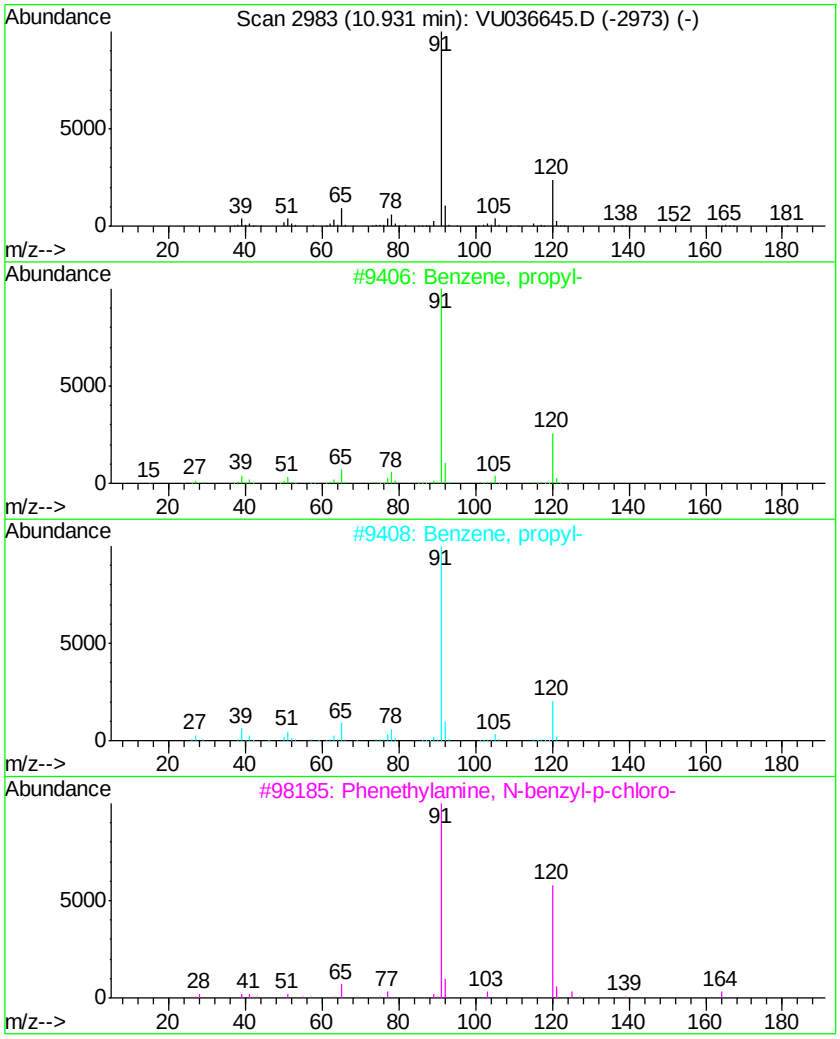
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

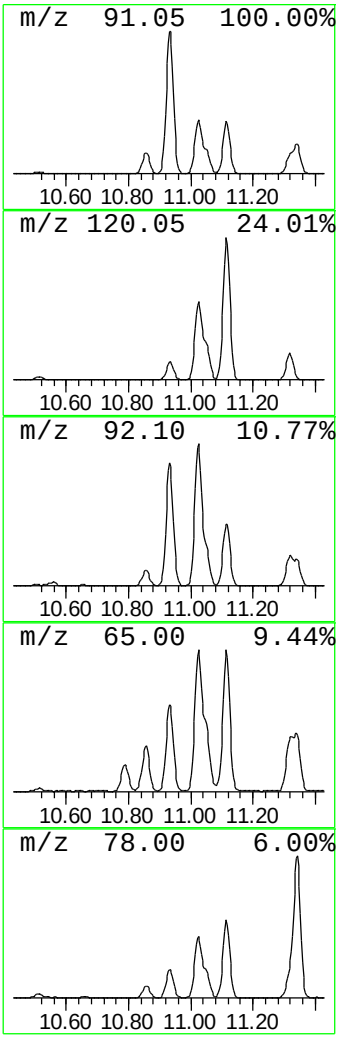
****

Peak Number 7 Benzene, propyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	21.03 ug/L	408310	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	91
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	n-Butylbenzylamine	163	C11H17N	002403-22-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

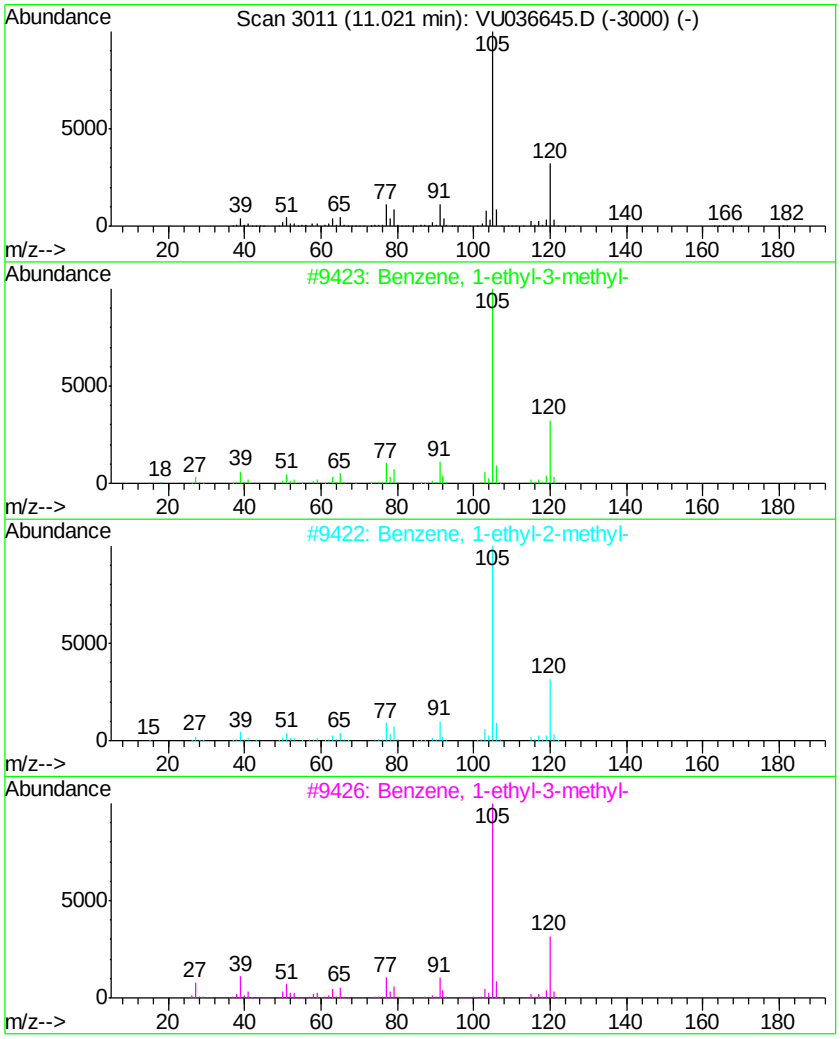
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

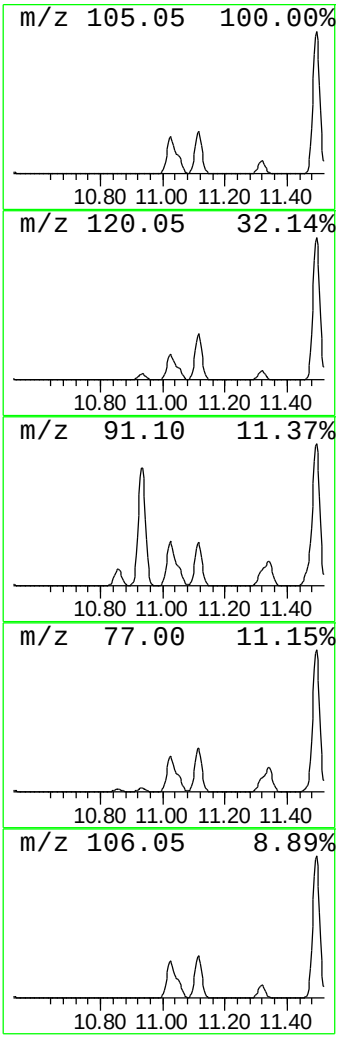
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	128.40 ug/L	2492460	1,4-Dichlorobenzene-d4	11.84

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-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

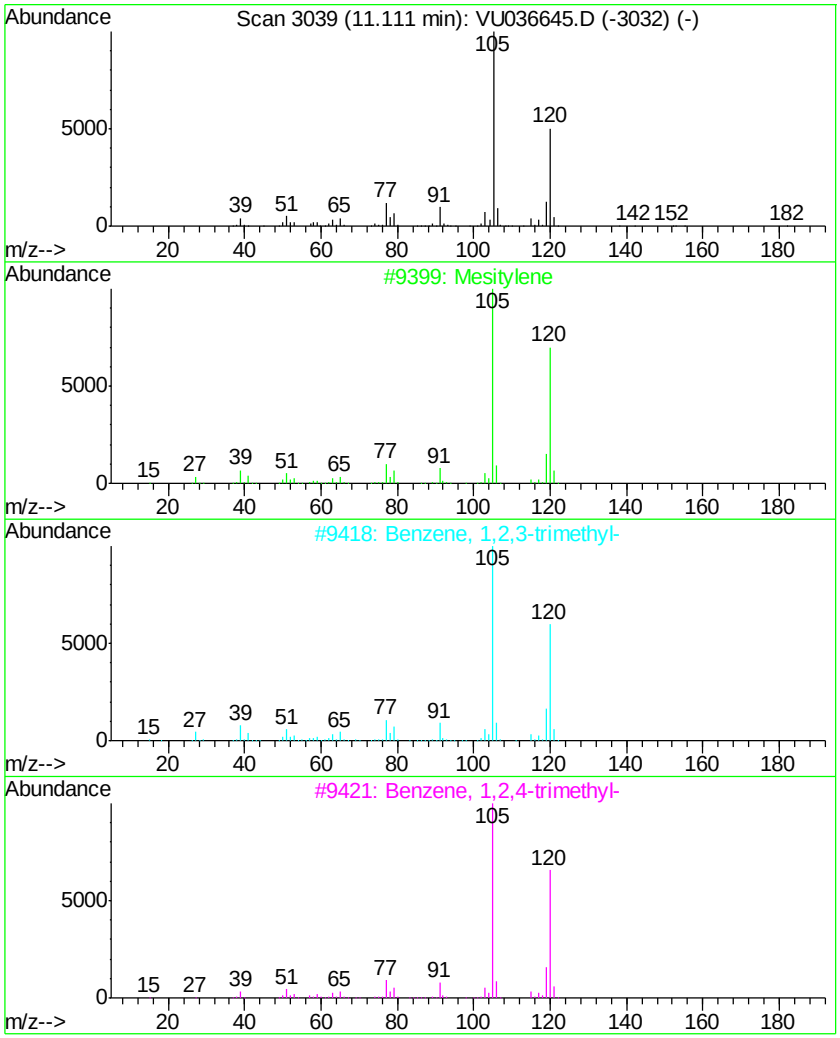
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

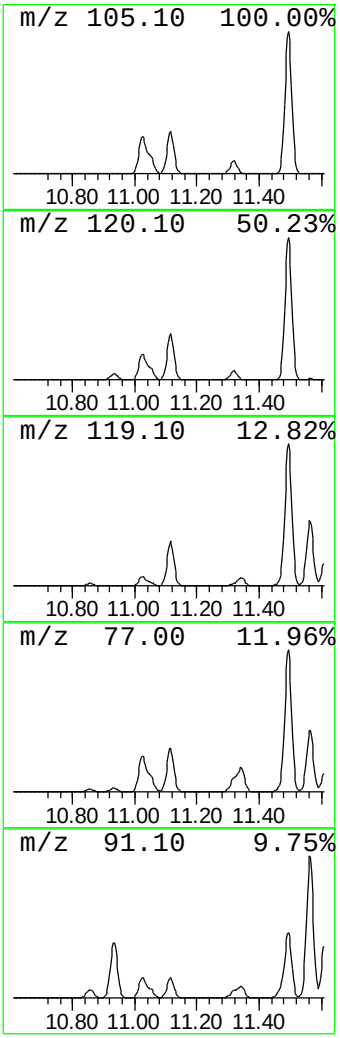
****

Peak Number 9 Mesitylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	116.81 ug/L	2267480	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	93





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

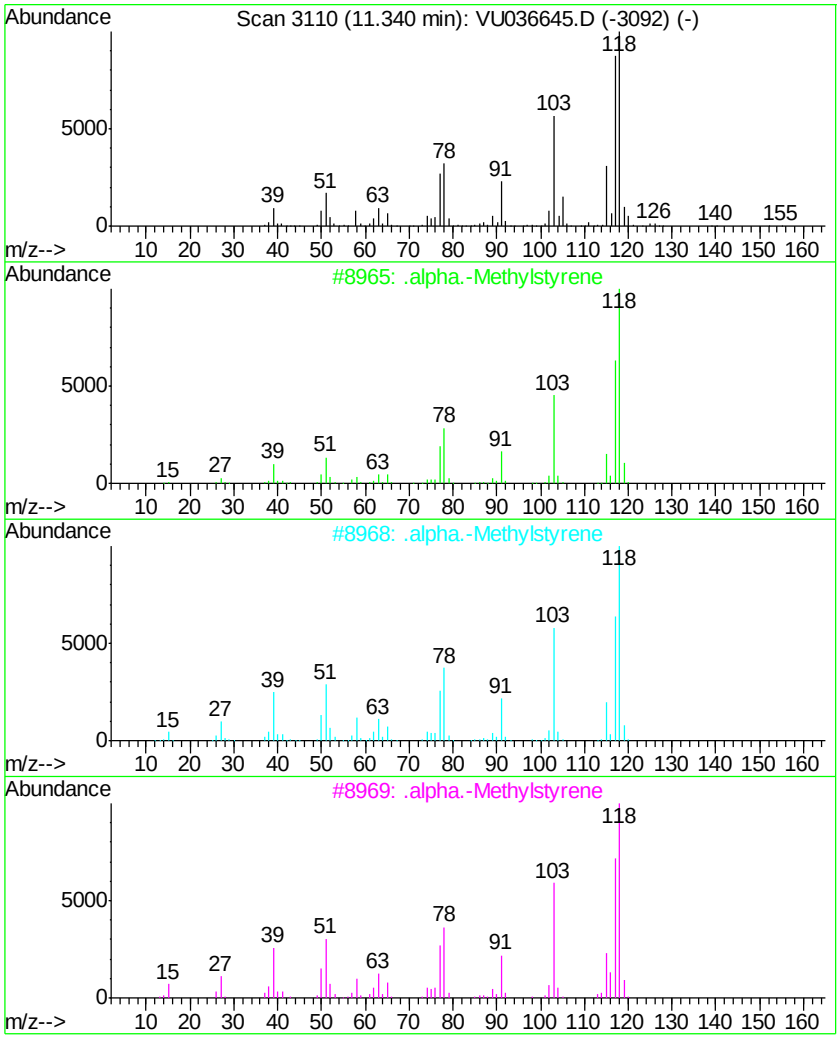
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

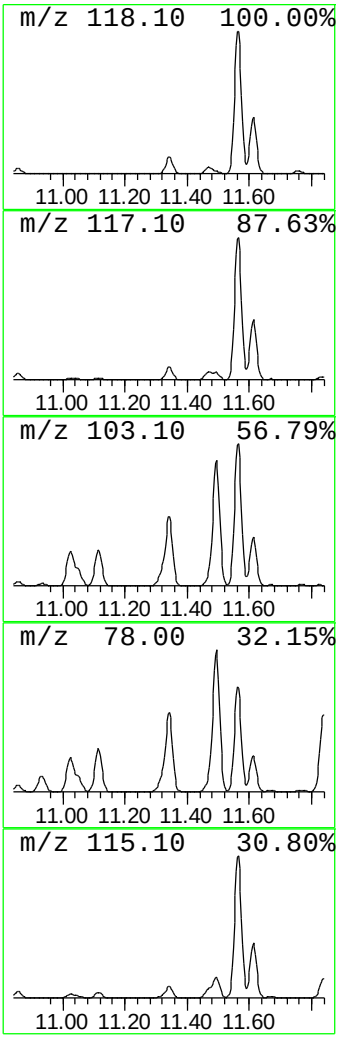
****

Peak Number 10 .alpha.-Methylstyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	74.39 ug/L	1443990	1,4-Dichlorobenzene-d4	11.84

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	86
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	60
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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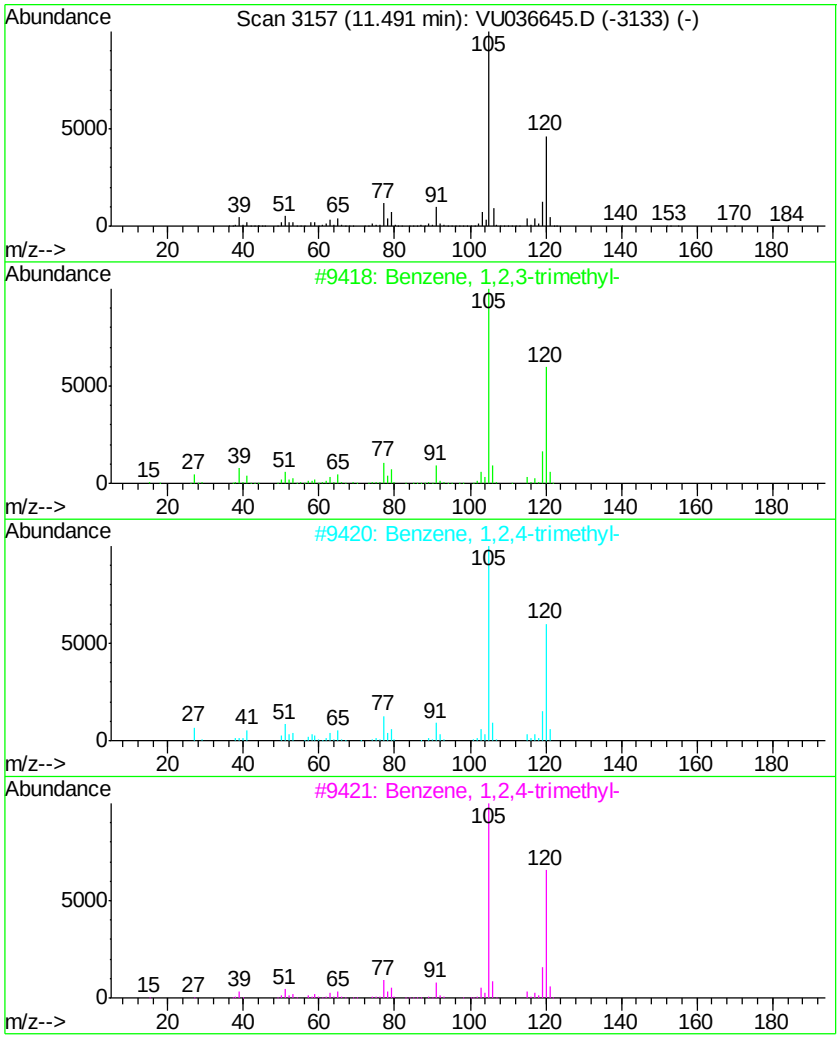
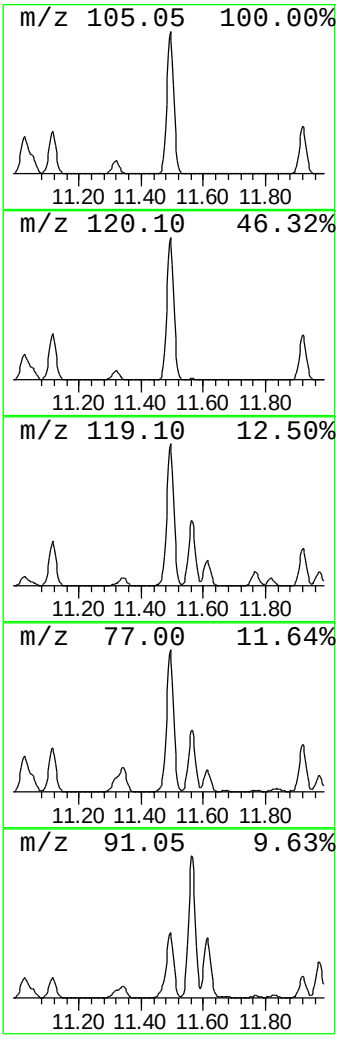
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	360.93 ug/L	7006320	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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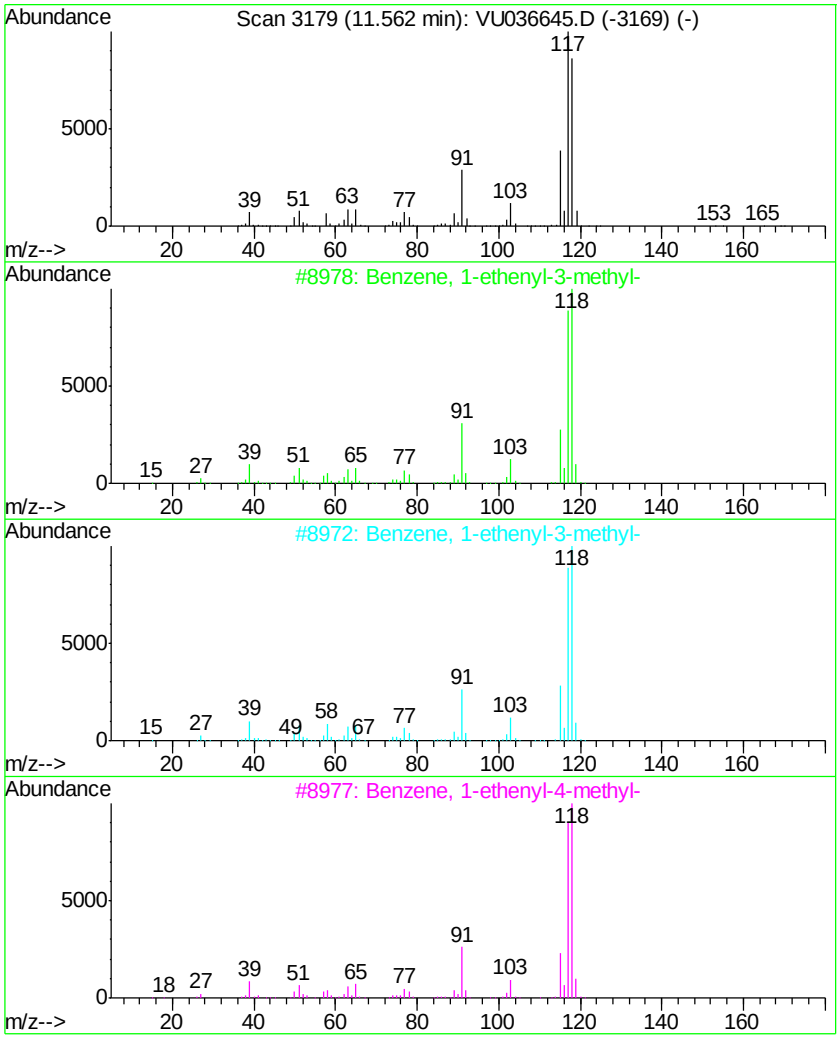
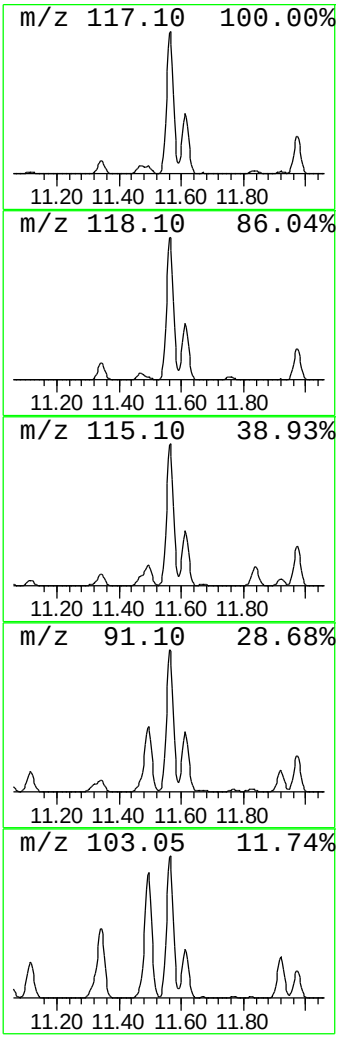
Peak Number 12 Benzene, 1-ethenyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	344.19 ug/L	6681250	1,4-Dichlorobenzene-d4	11.84

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 : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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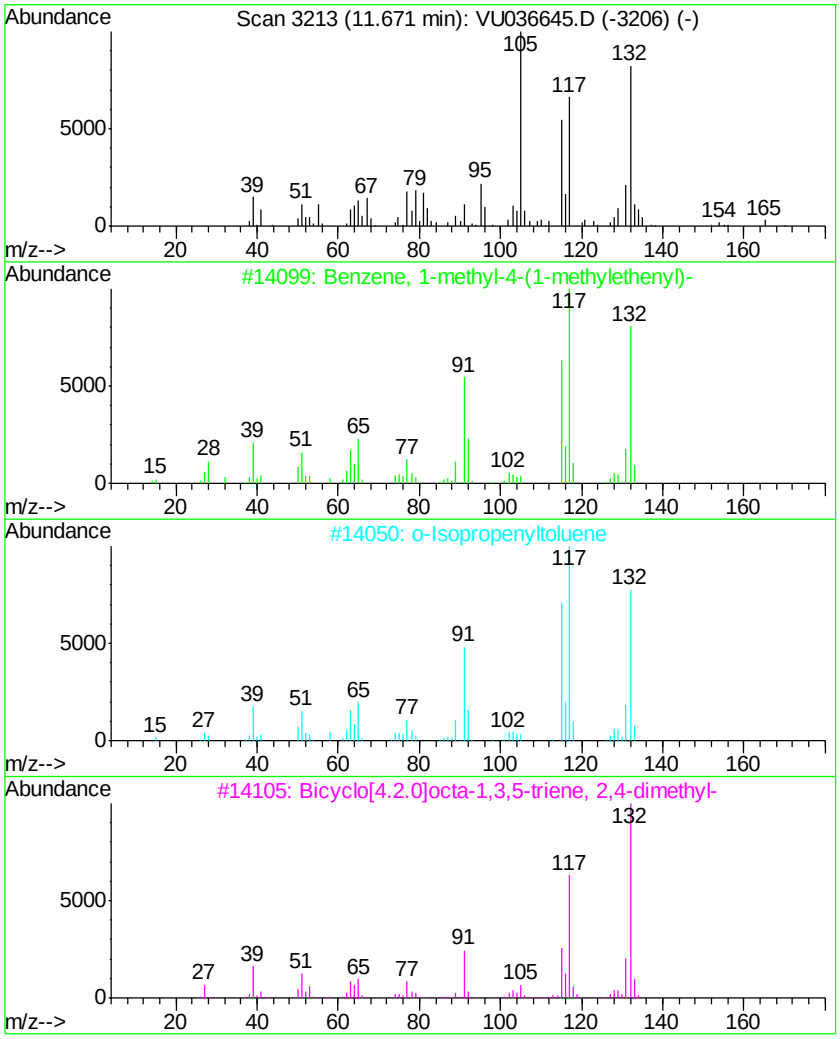
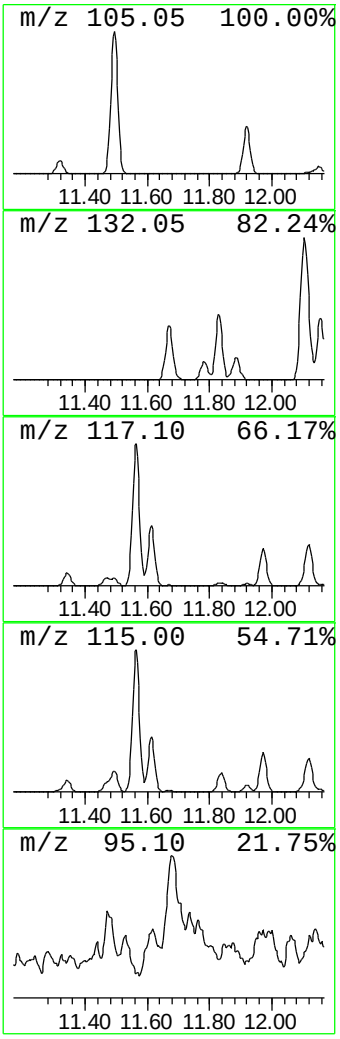
Peak Number 14 Benzene, 1-methyl-4-(1-meth... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	4.63 ug/L	89959	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
2	o-Isopropenyltoluene	132	C10H12	007399-49-7	81
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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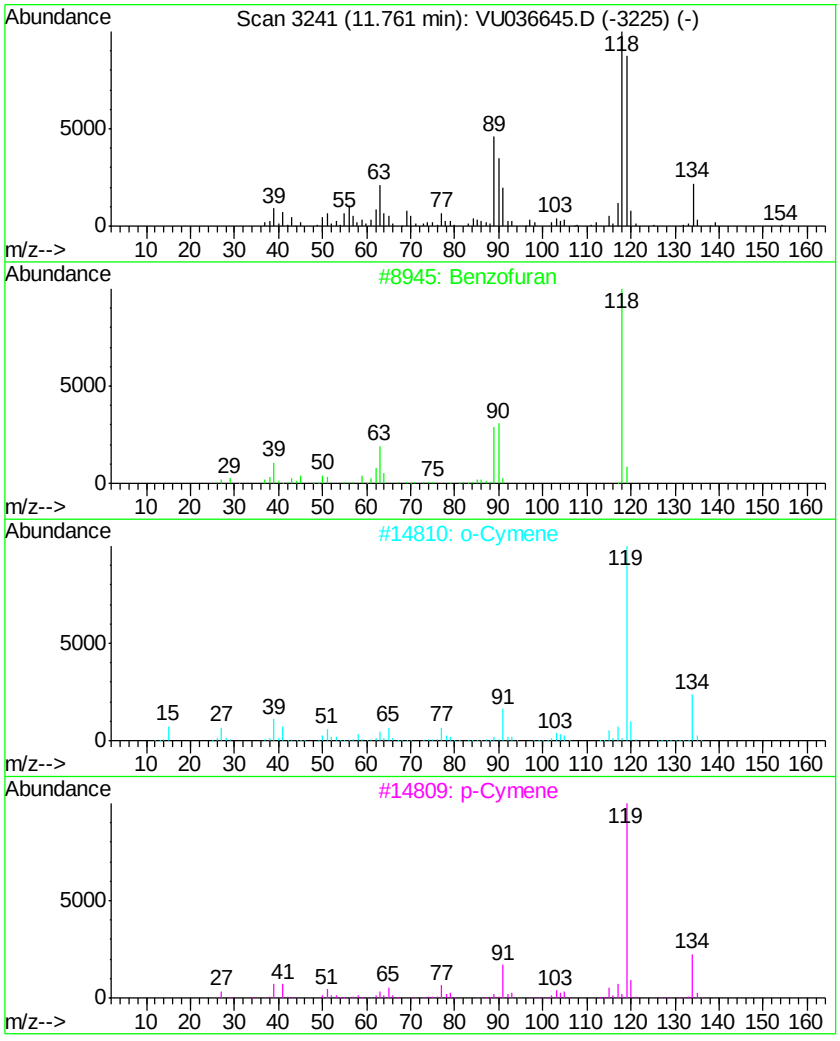
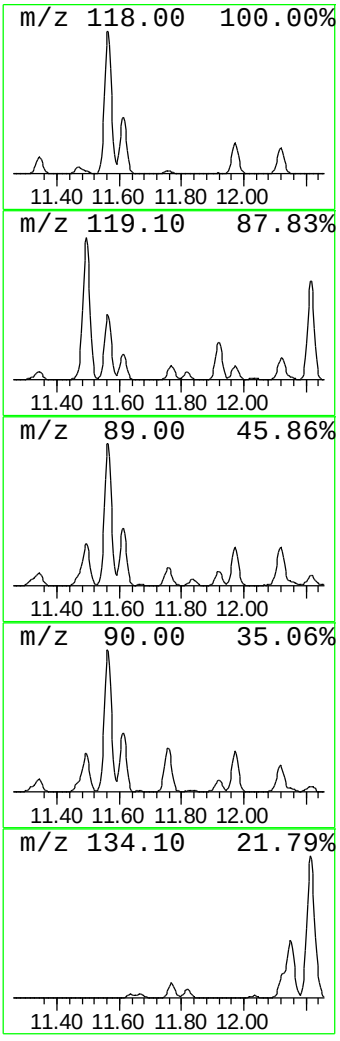
Peak Number 15 Benzofuran Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	12.19 ug/L	236551	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	87
2	o-Cymene	134	C10H14	000527-84-4	80
3	p-Cymene	134	C10H14	000099-87-6	80
4	Benzofuran	118	C8H6O	000271-89-6	49
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	42





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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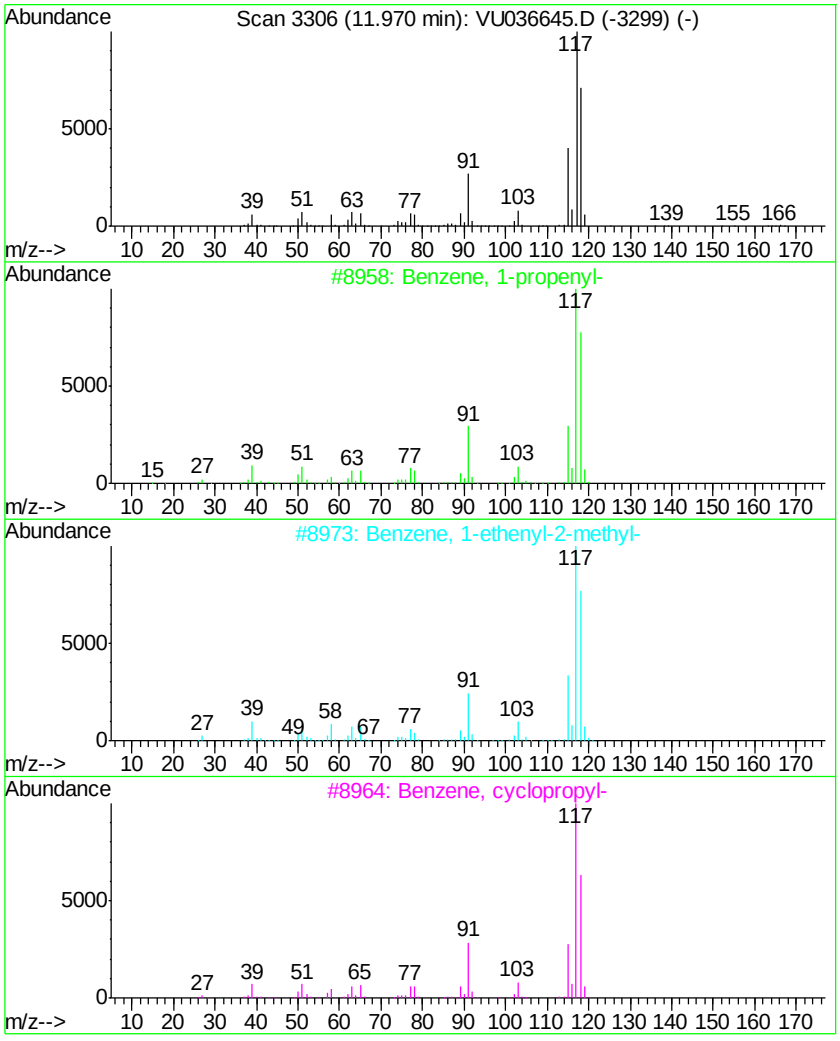
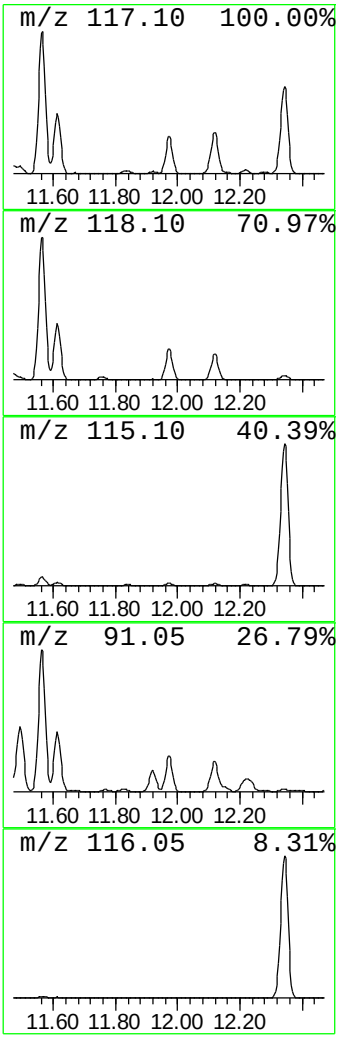
Peak Number 17 Benzene, 1-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	79.50 ug/L	1543220	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	89





Library Search Compound Report

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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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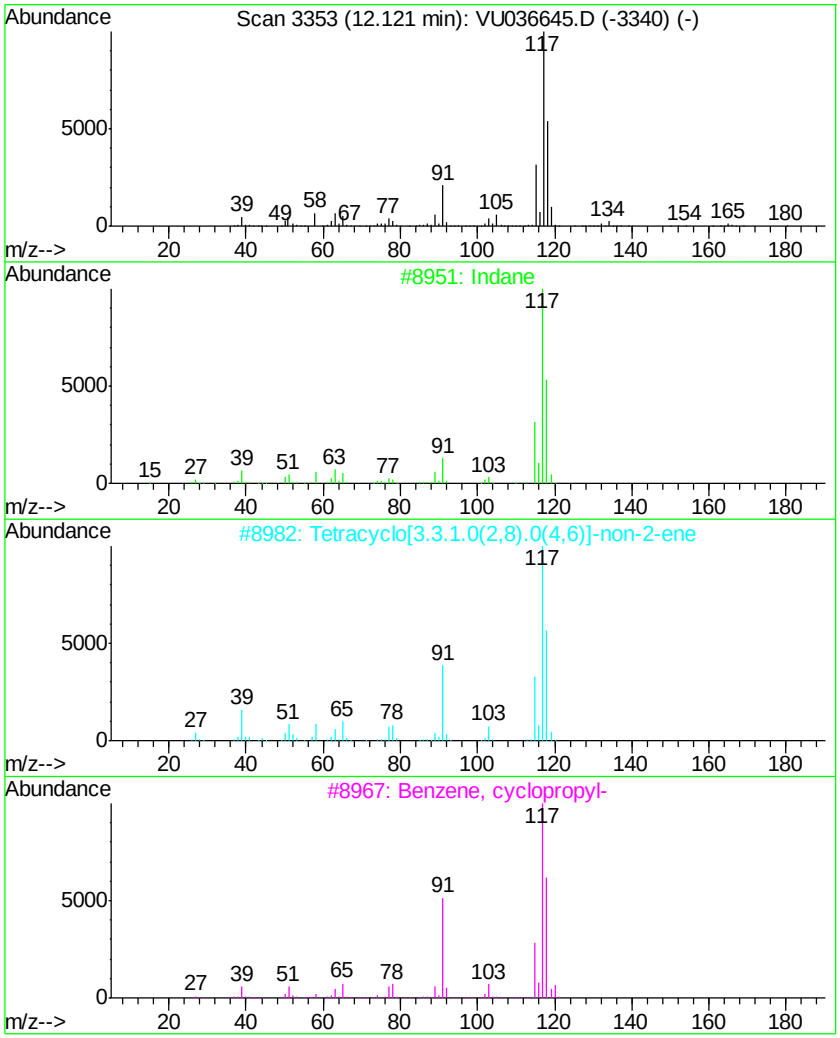
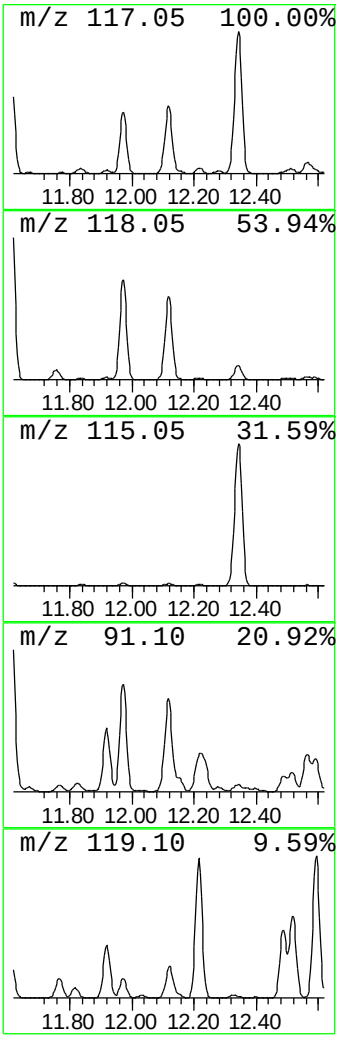
Peak Number 18 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	92.56 ug/L	1796810	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	74
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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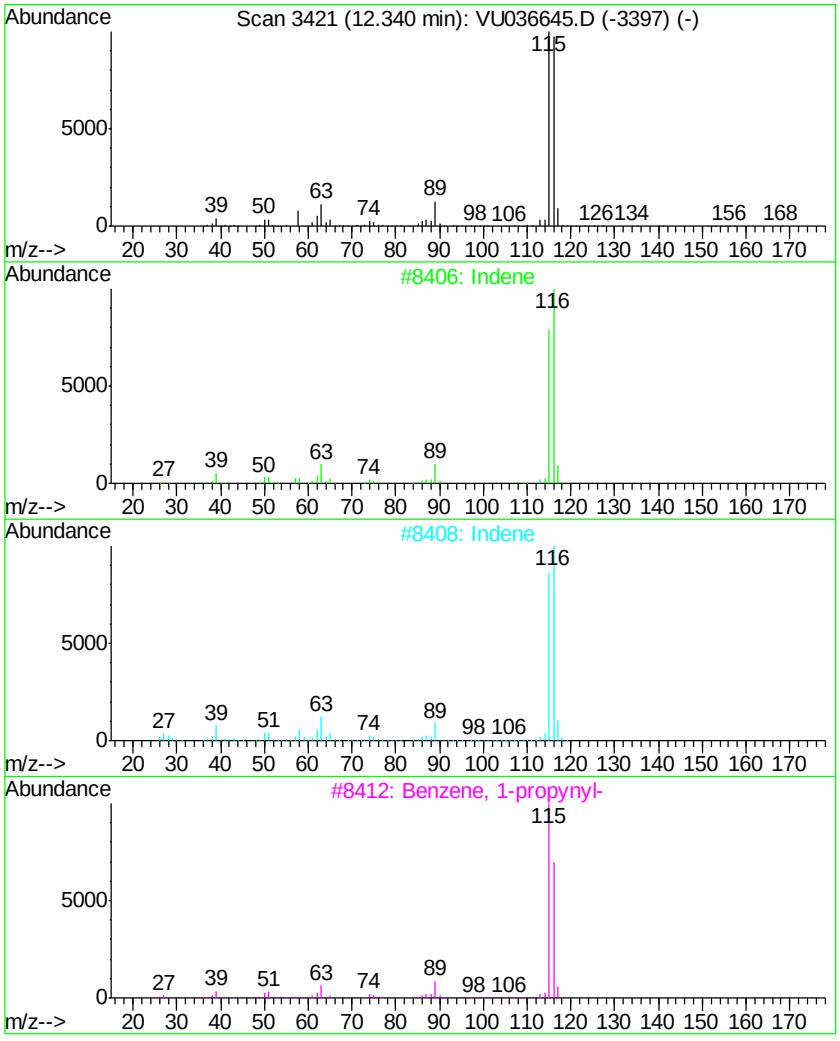
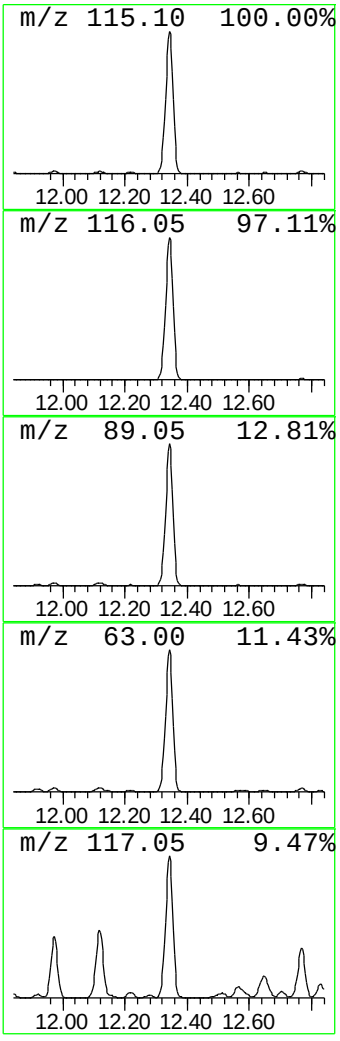
Peak Number 19 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	1865.03 ug/L	36203600	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	97
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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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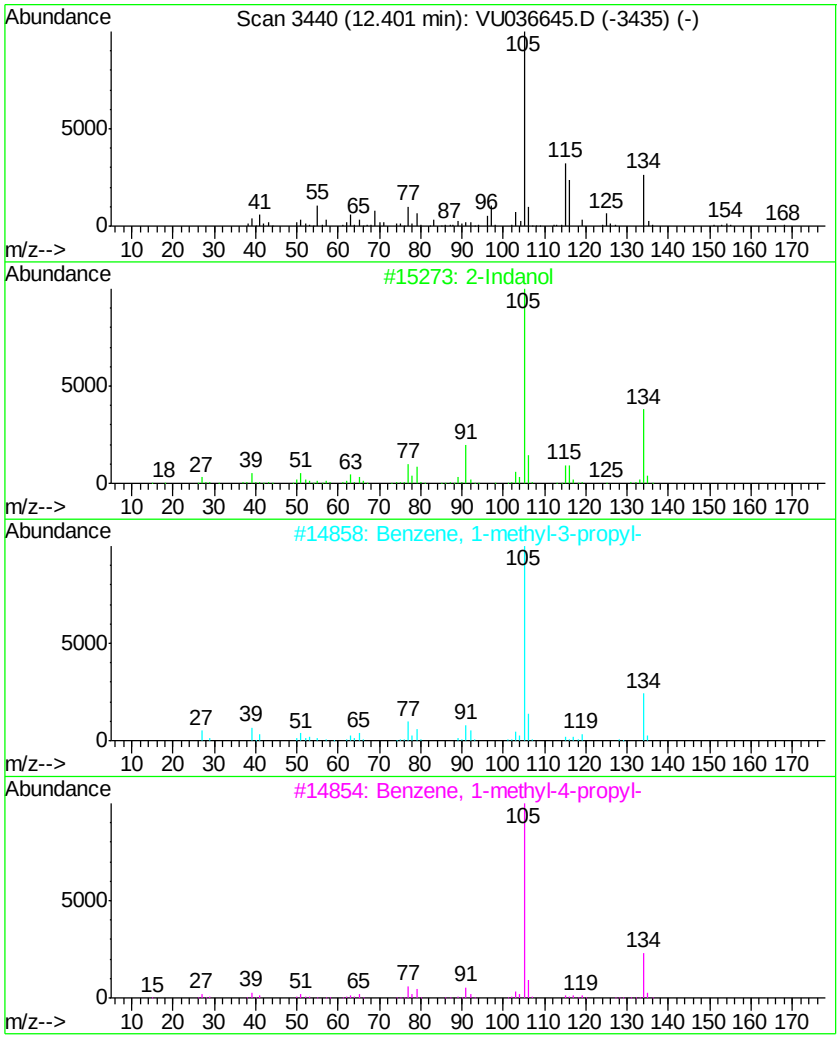
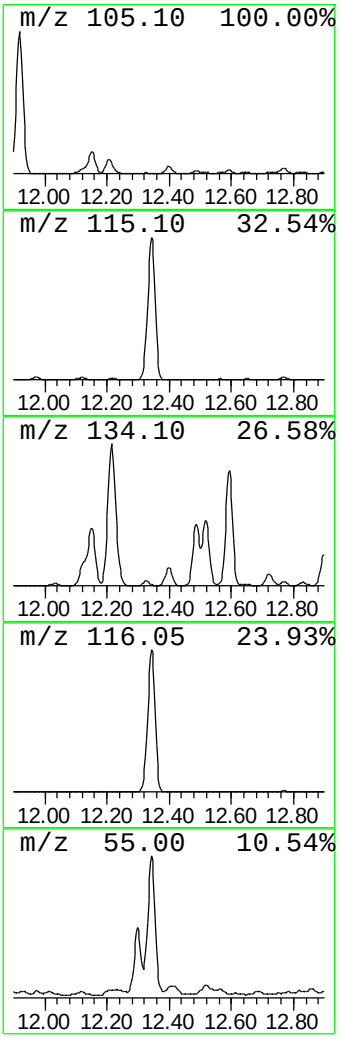
Peak Number 20 2-Indanol Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	8.53 ug/L	165512	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Indanol	134	C9H10O	004254-29-9	53
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	45
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

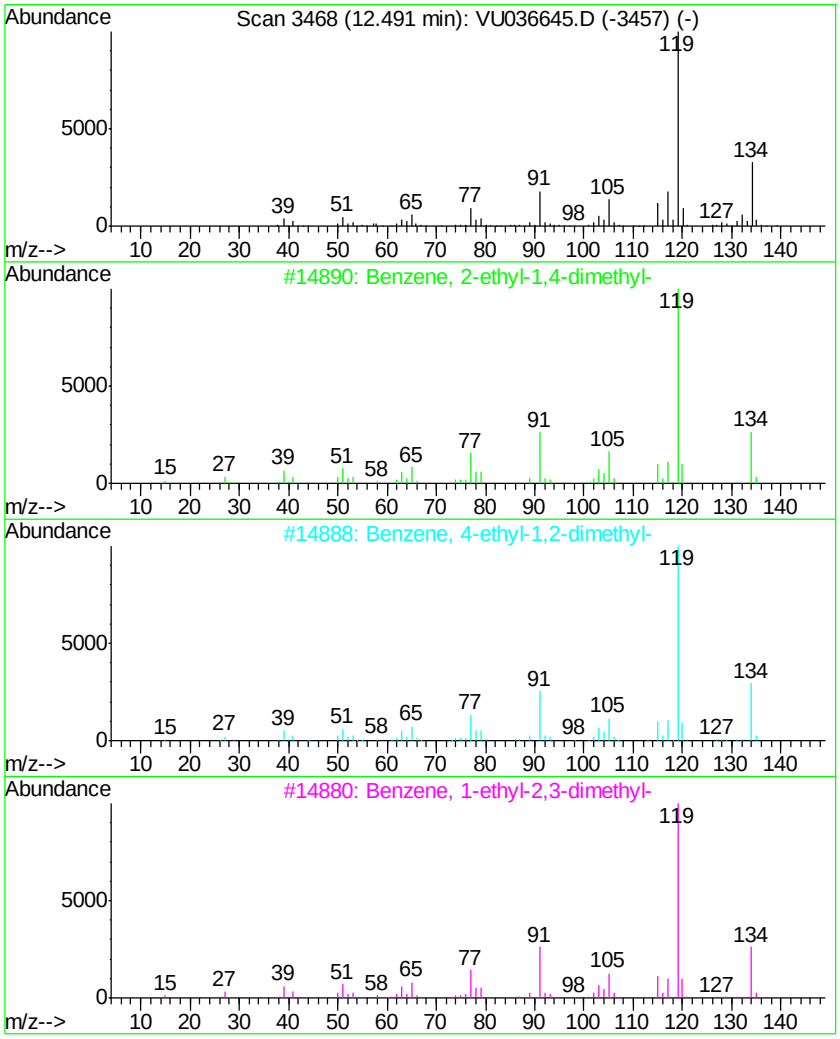
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

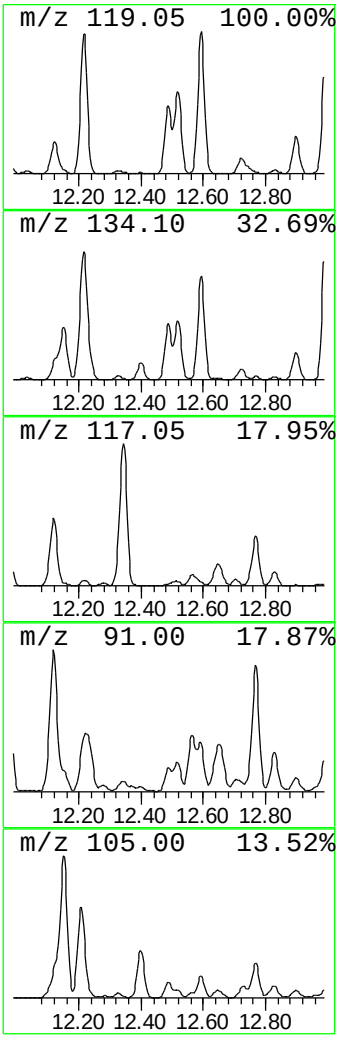
****

Peak Number 21 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	13.93 ug/L	270497	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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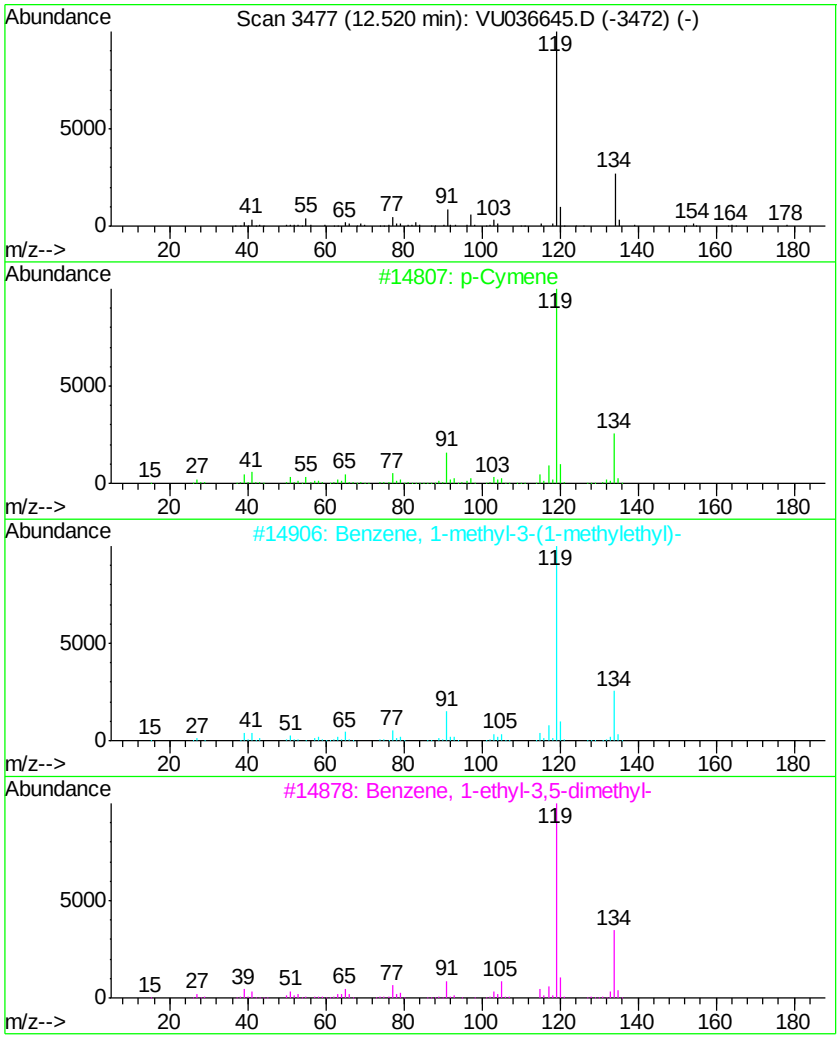
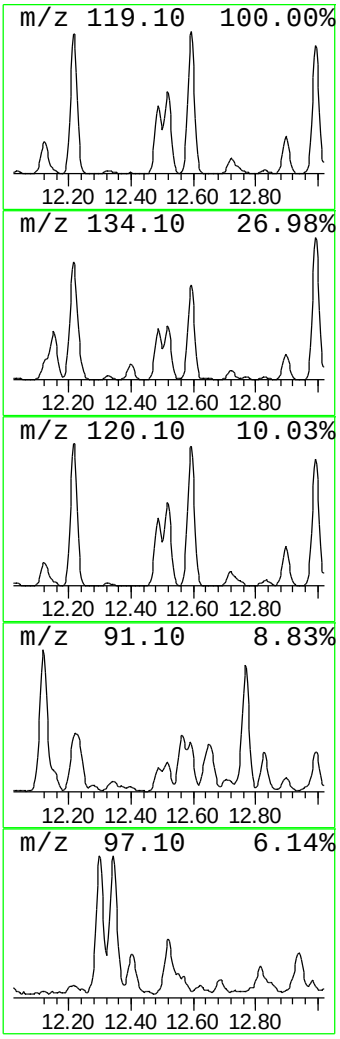
Peak Number 22 p-Cymene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	13.32 ug/L	258532	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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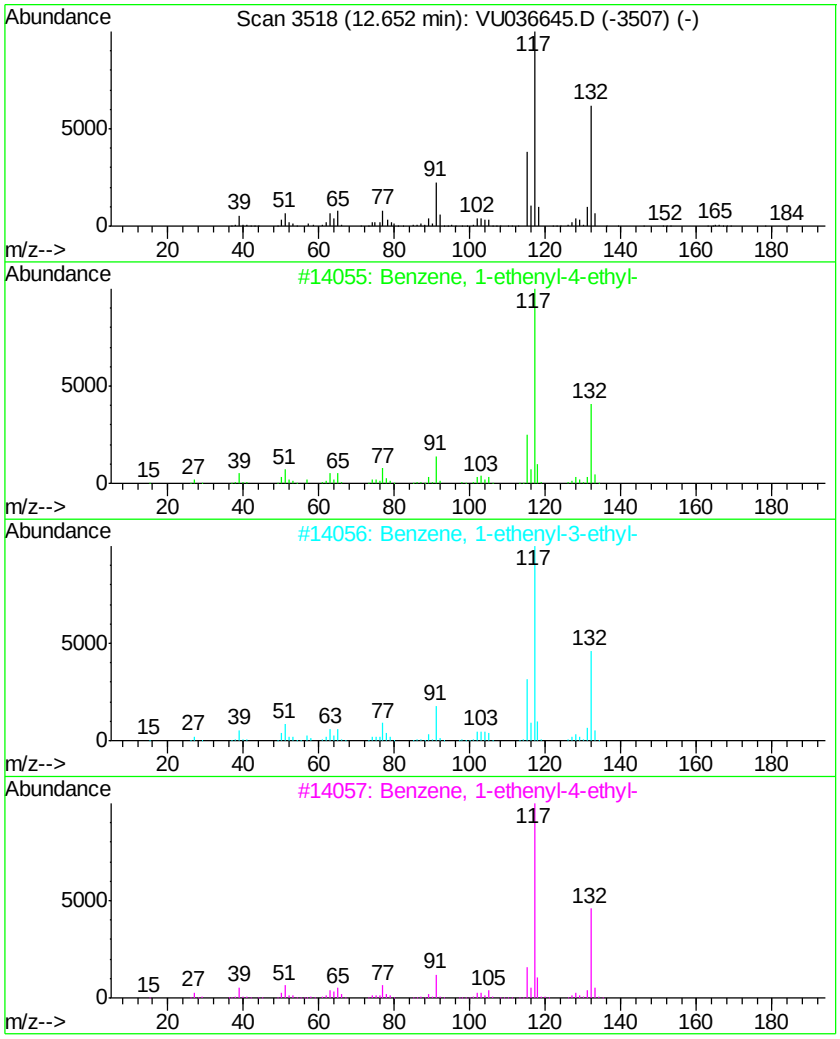
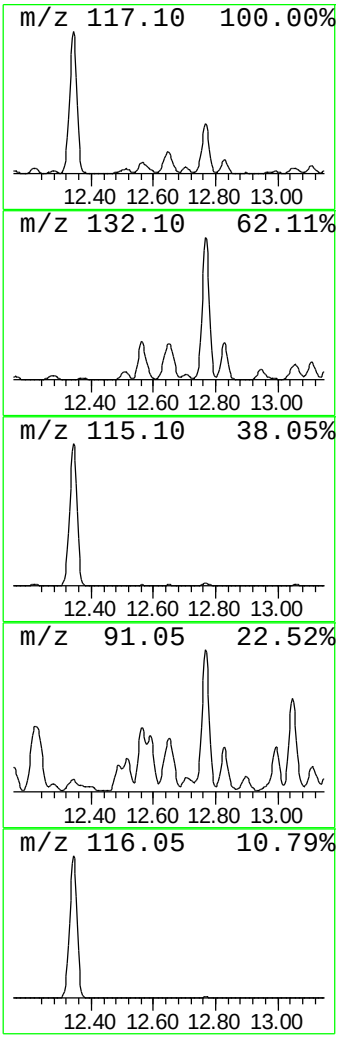
Peak Number 24 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	32.54 ug/L	631726	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	90





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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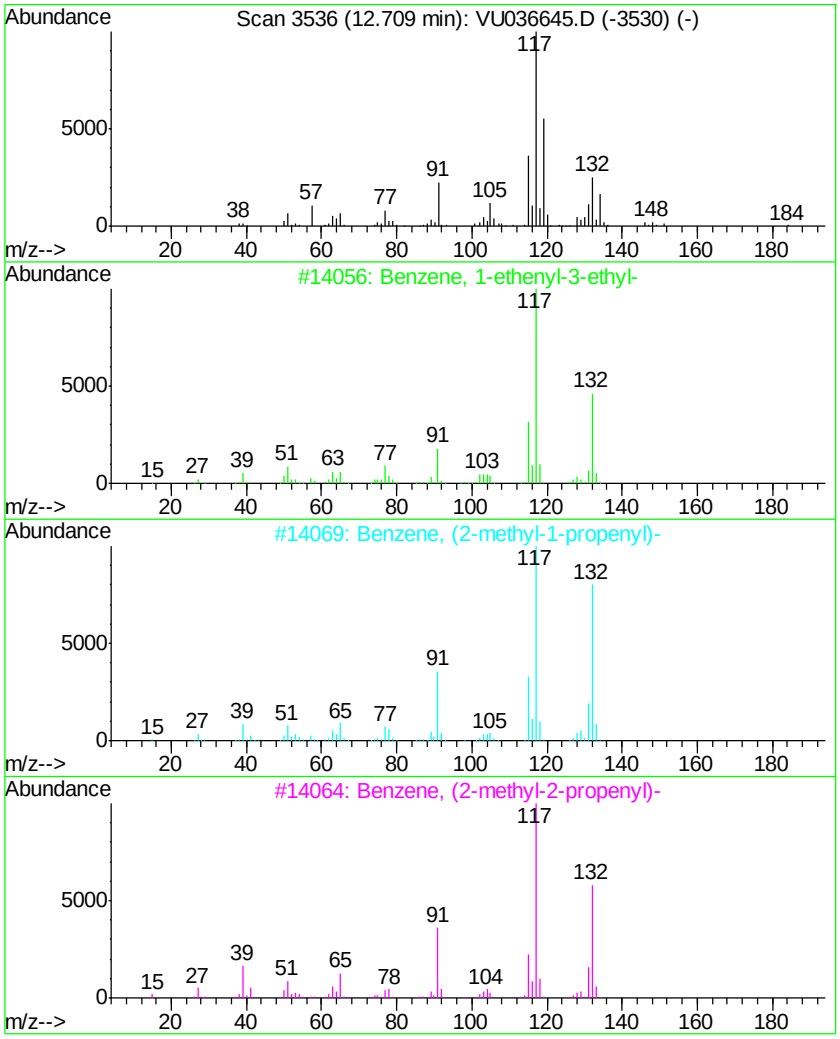
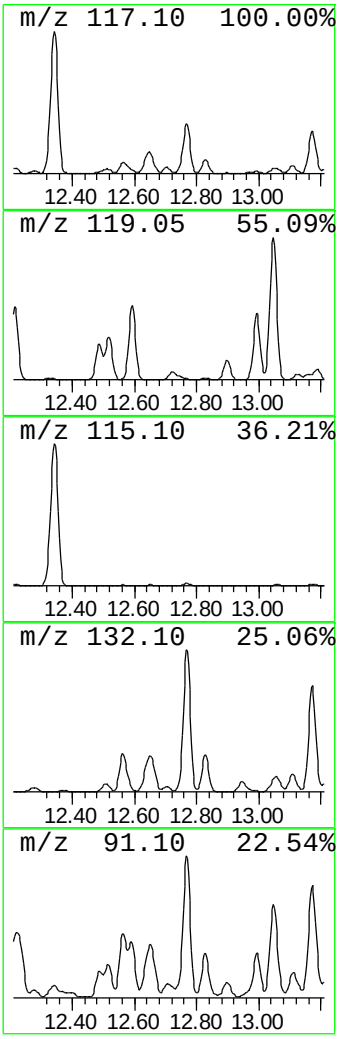
Peak Number 25 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	2.88 ug/L	55872	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72
4	Indan, 1-methyl-	132	C10H12	000767-58-8	68
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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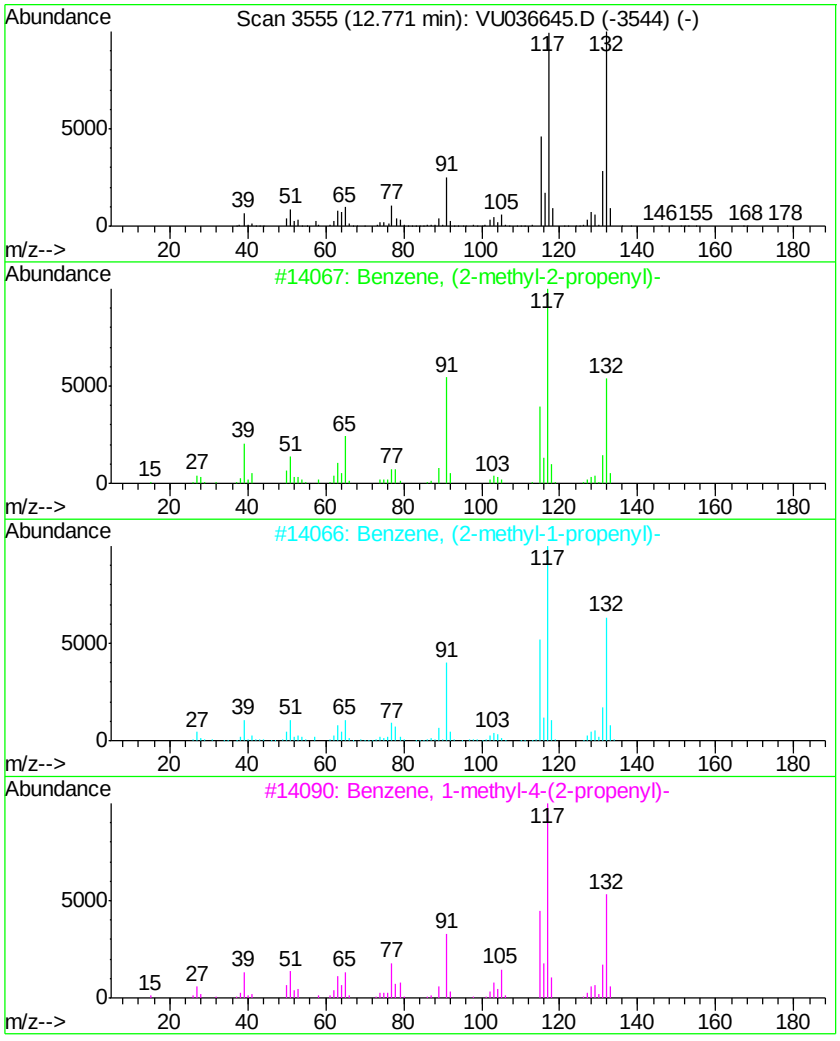
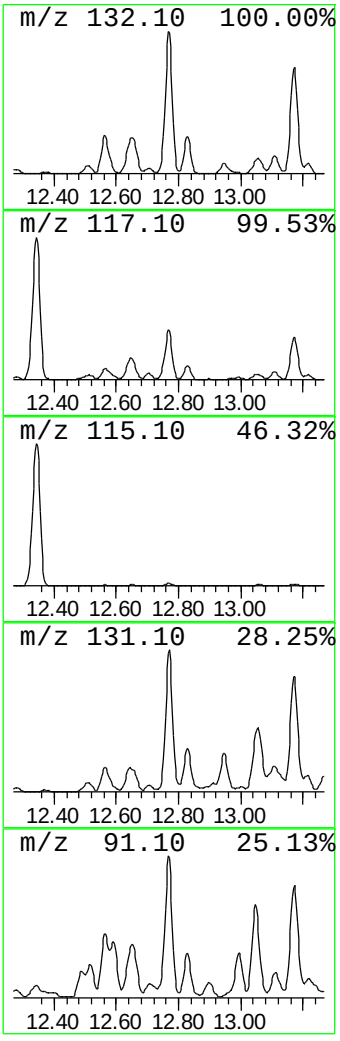
Peak Number 26 Benzene, (2-methyl-2-propen... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	89.76 ug/L	1742390	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94





Library Search Compound Report

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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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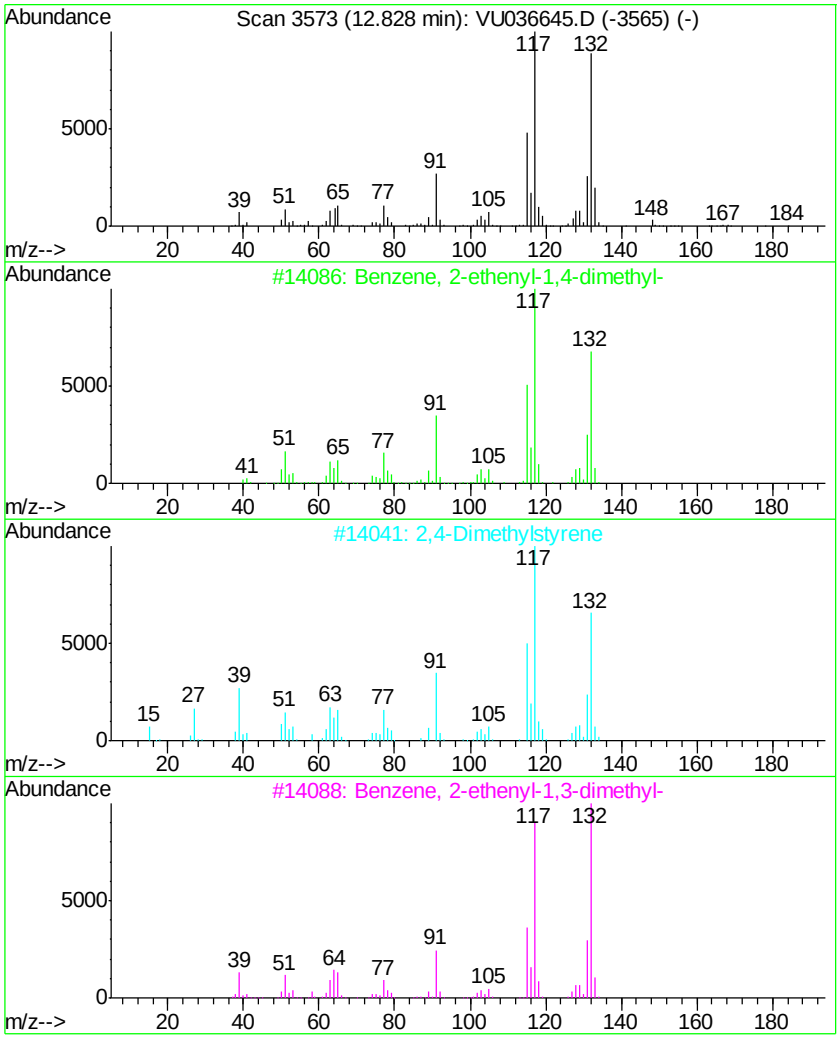
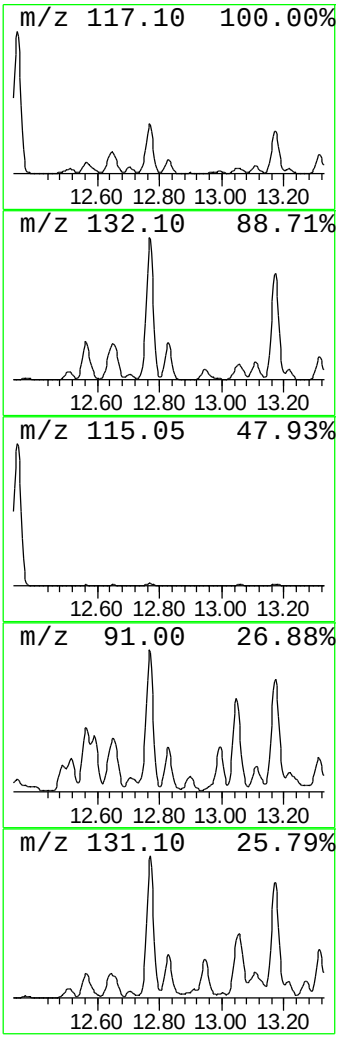
Peak Number 27 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	25.41 ug/L	493343	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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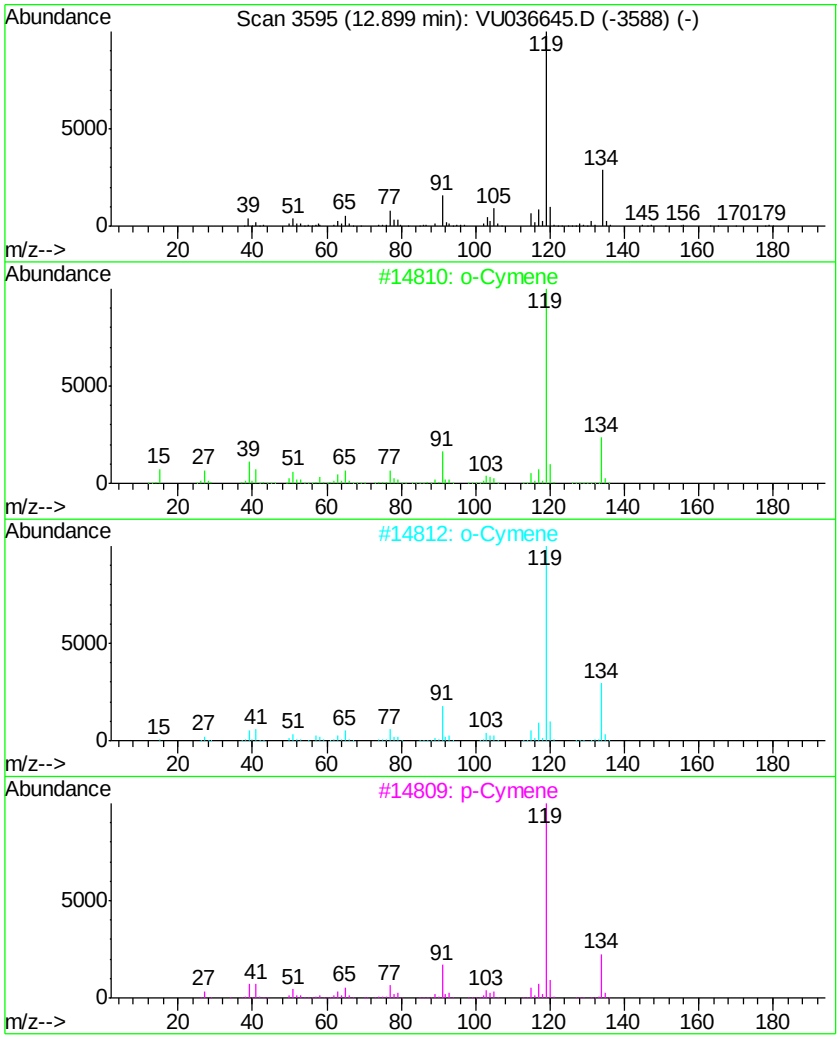
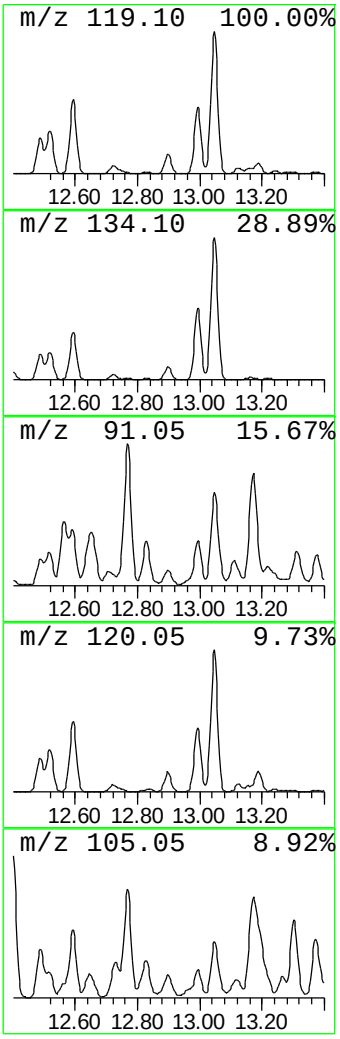
Peak Number 28 o-Cymene Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	5.63 ug/L	109261	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	o-Cymene	134	C10H14	000527-84-4	97
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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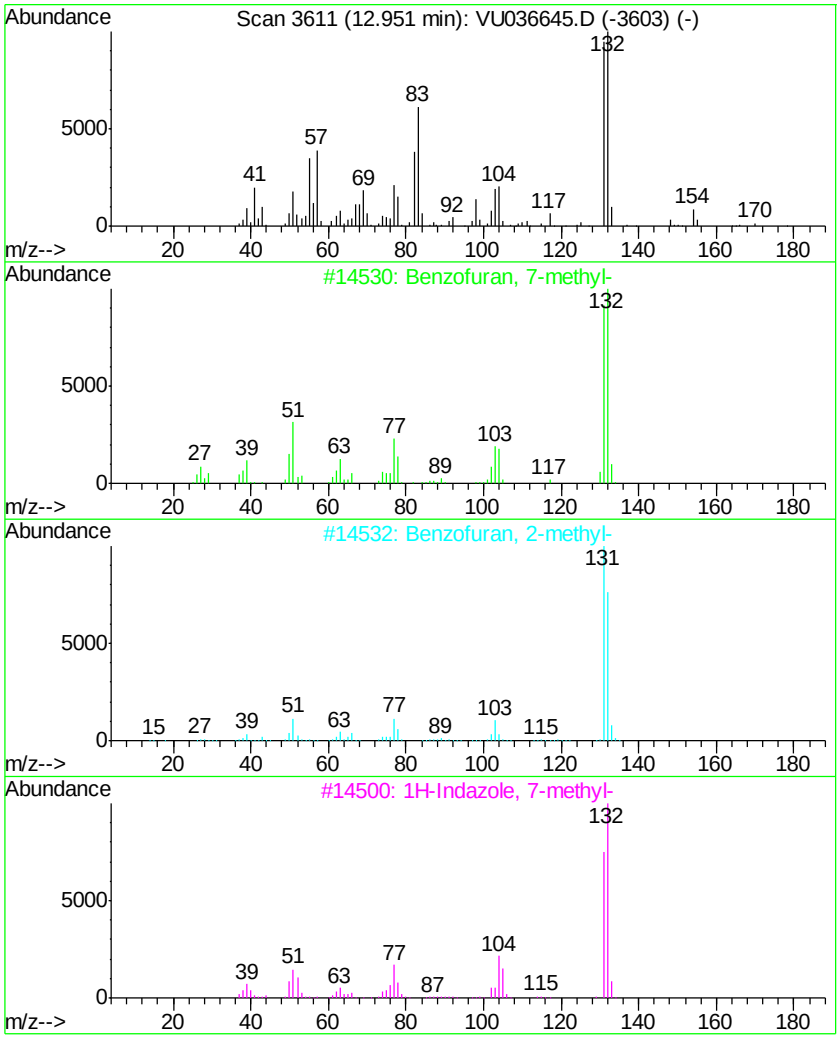
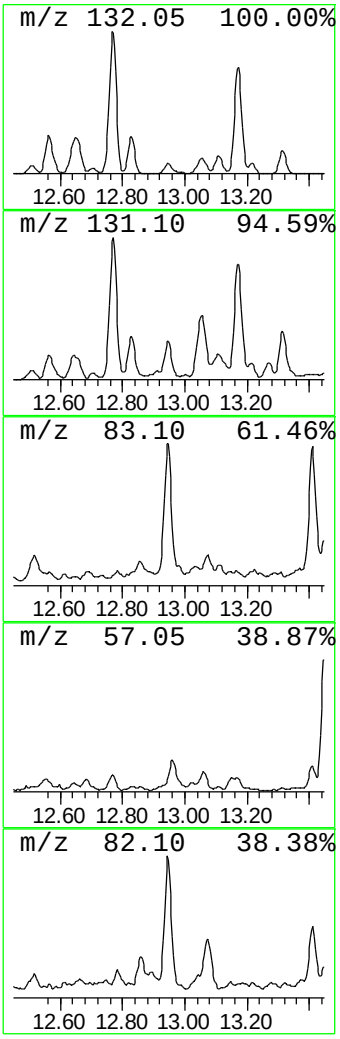
Peak Number 29 Benzofuran, 7-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	7.74 ug/L	150255	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	64
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	64
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	64
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	60





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Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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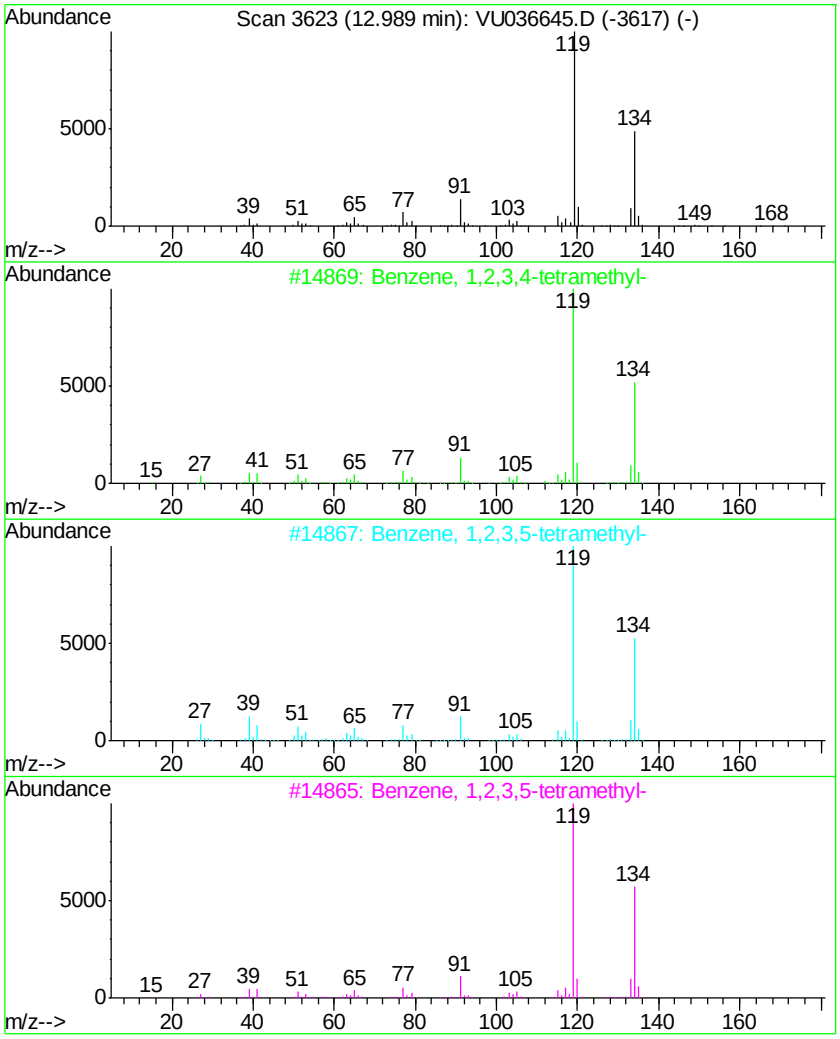
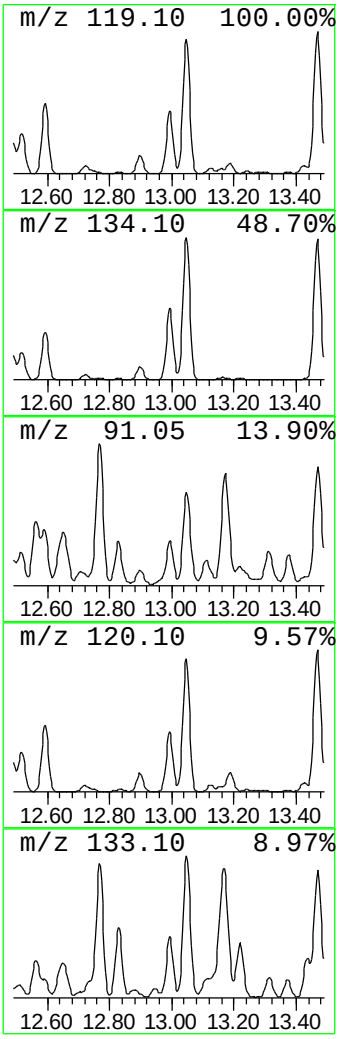
Peak Number 30 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	21.47 ug/L	416682	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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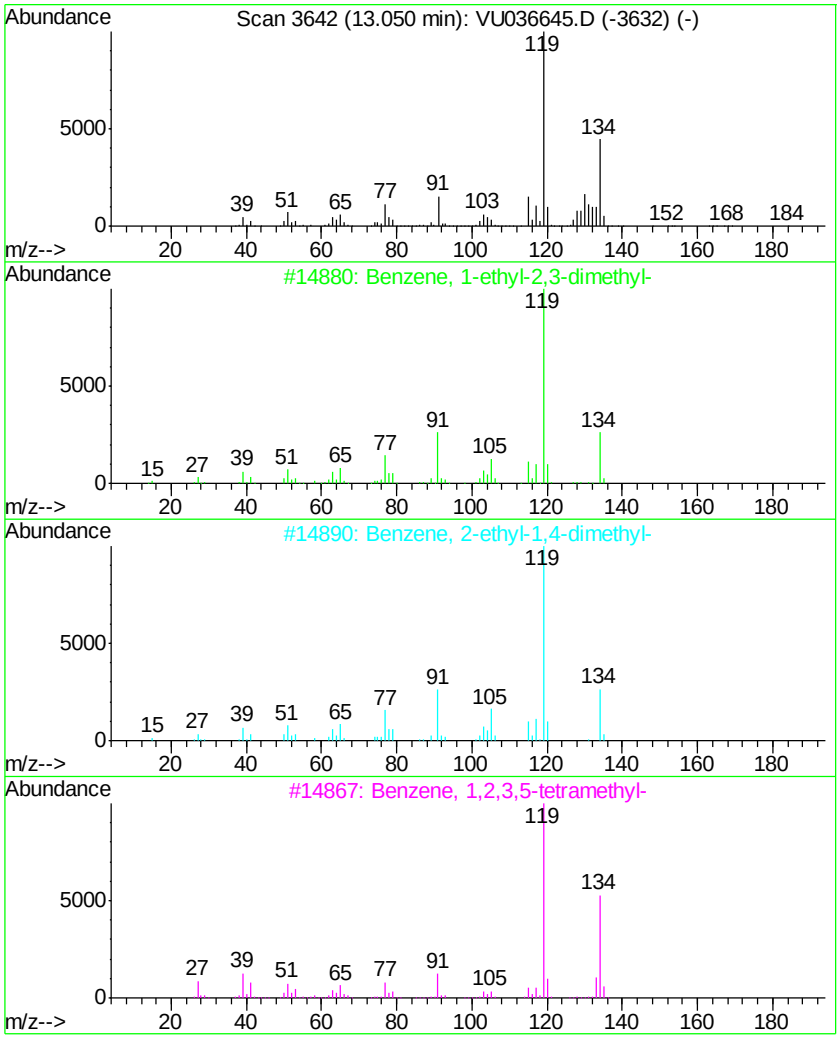
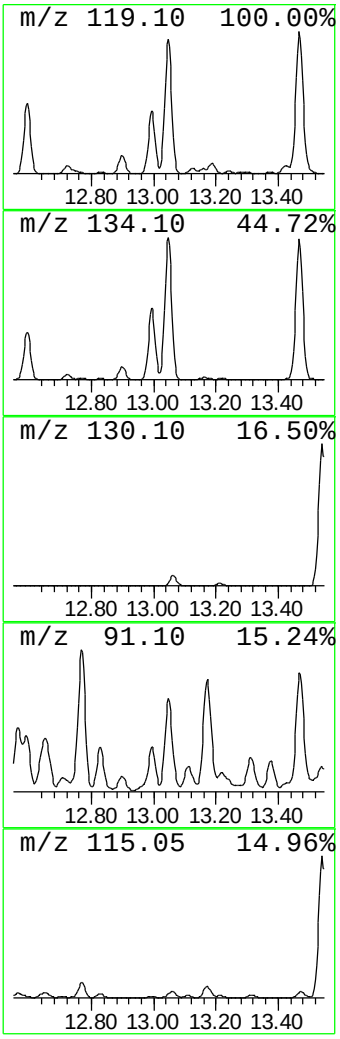
Peak Number 31 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	88.20 ug/L	1712120	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

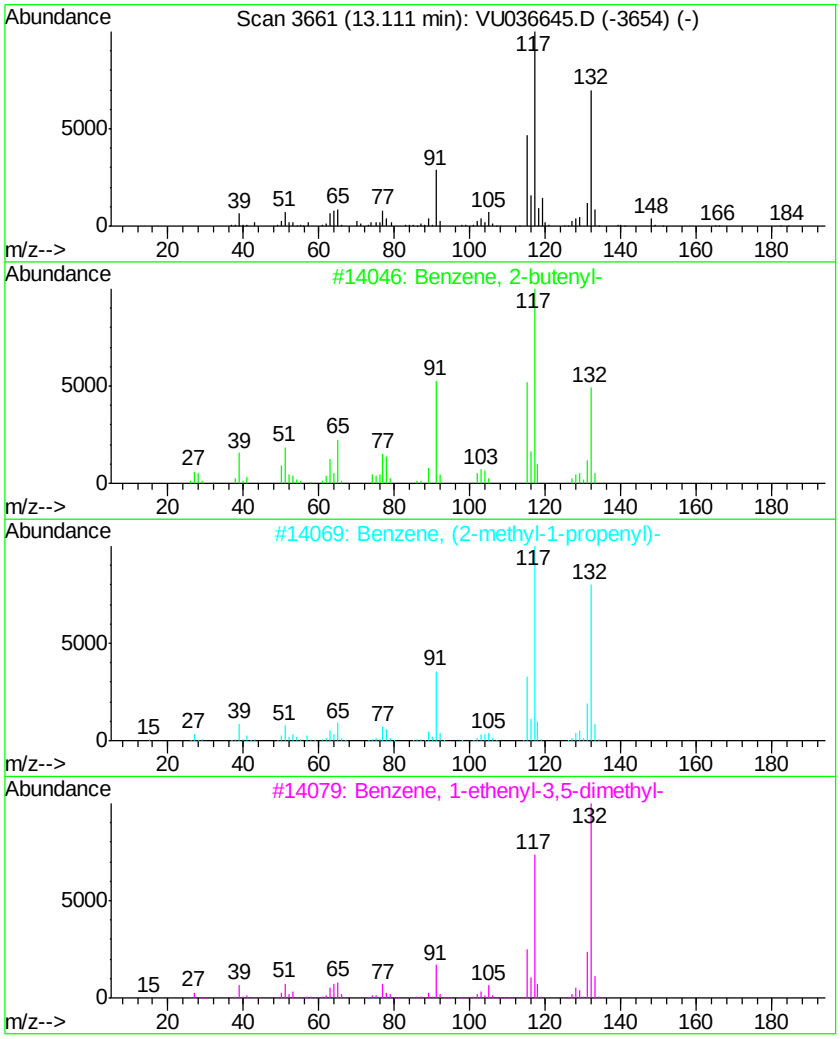
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

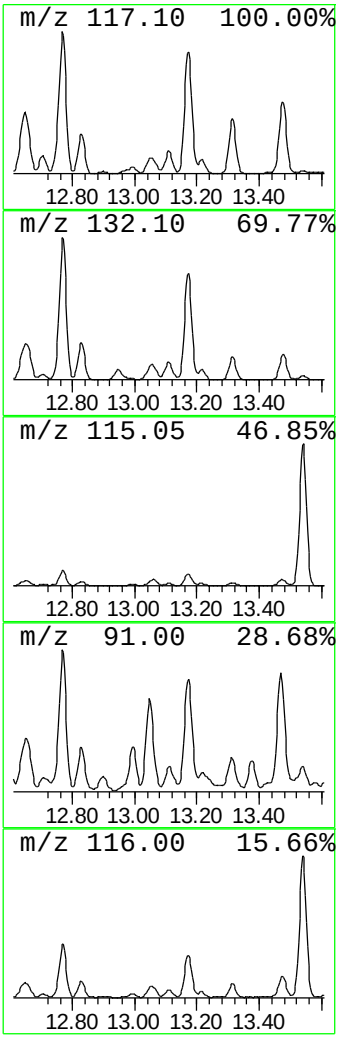
****

Peak Number 32 Benzene, 2-butenyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	9.09 ug/L	176471	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	87
4	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	87
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

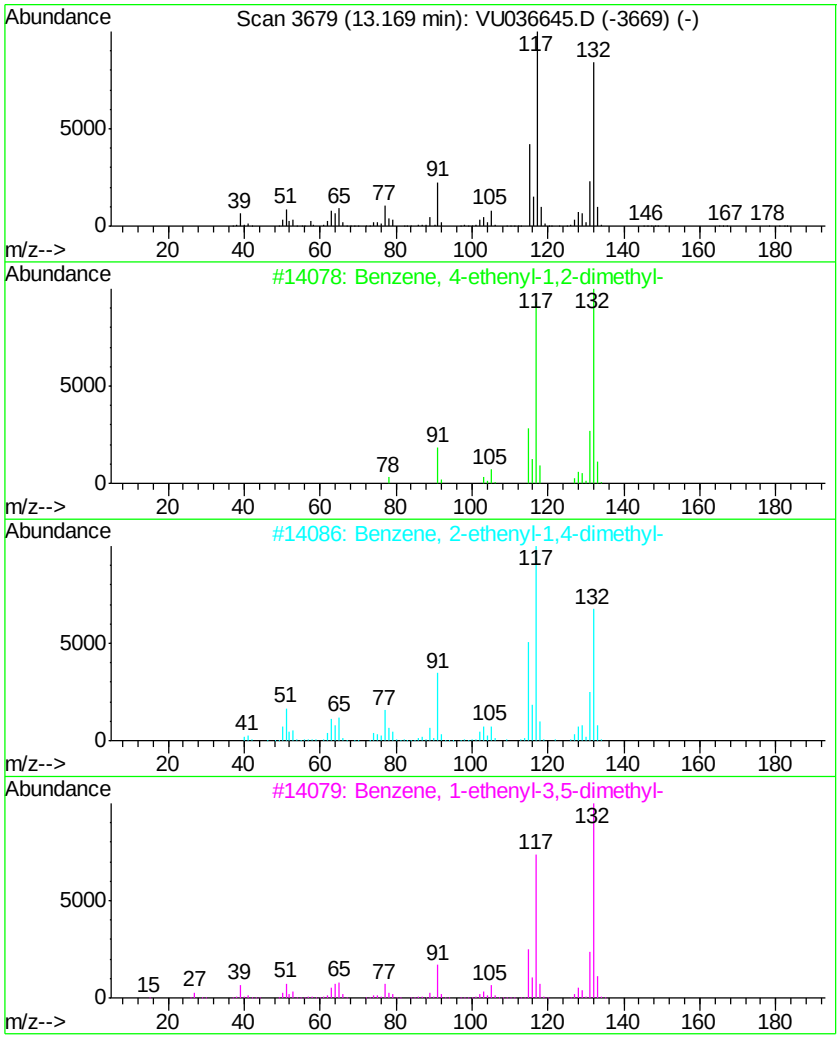
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

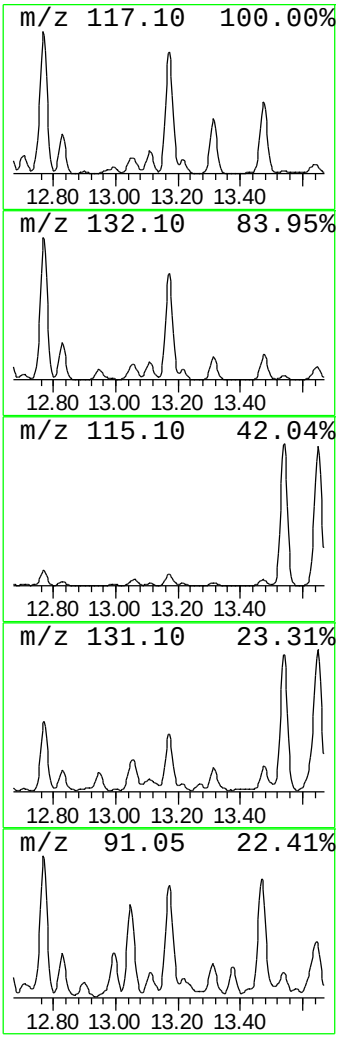
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	78.58 ug/L	1525340	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

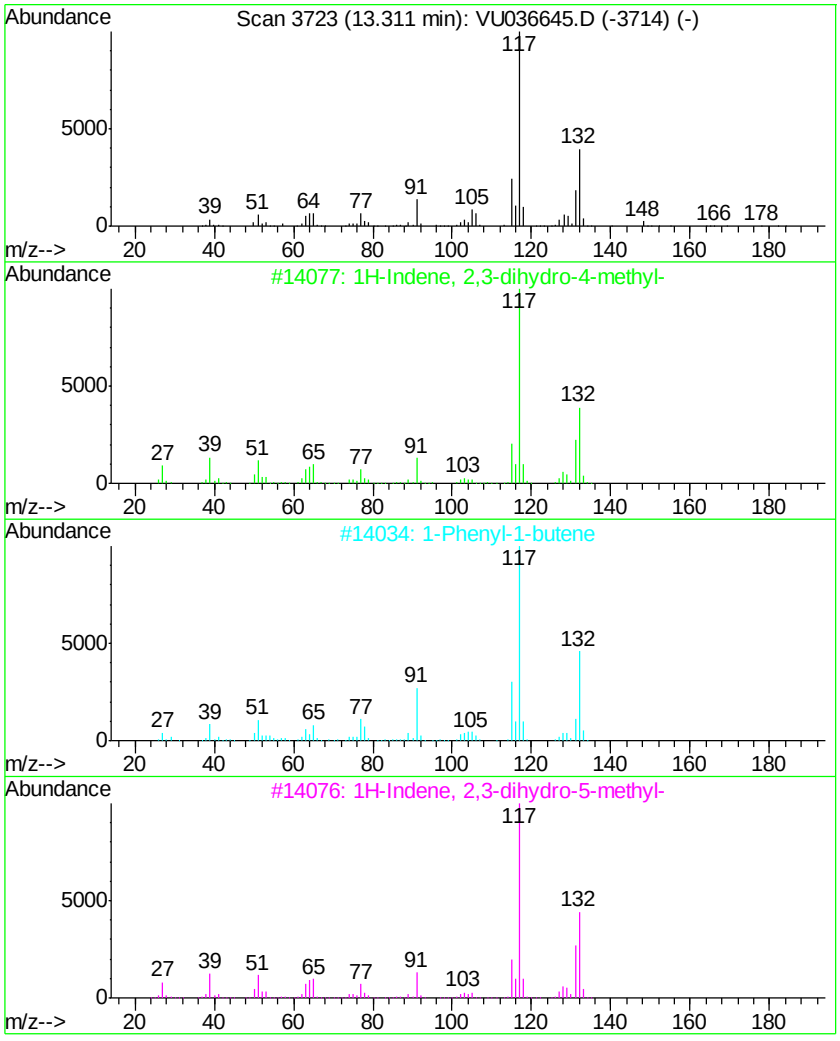
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

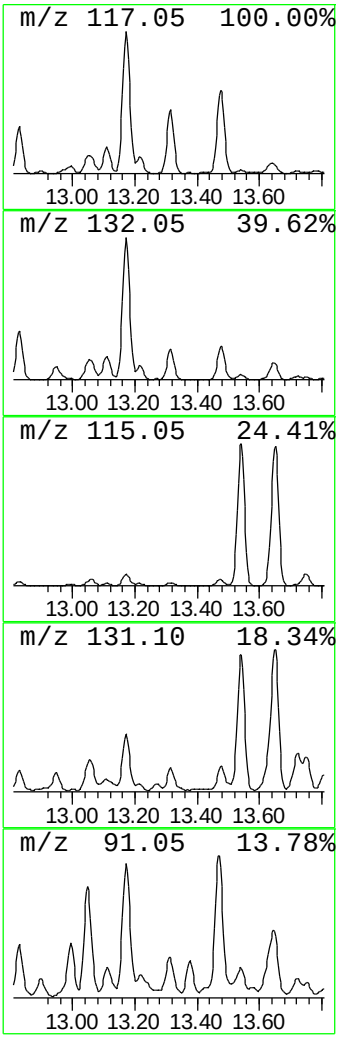
****

Peak Number 34 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	24.33 ug/L	472194	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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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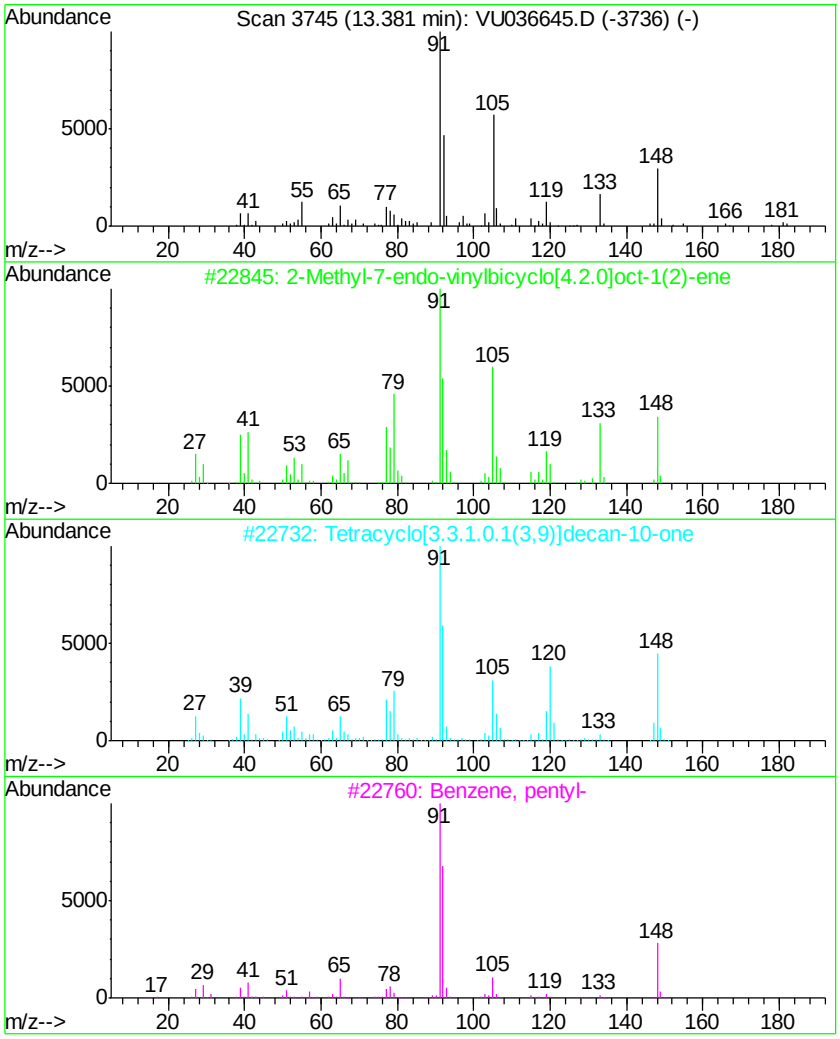
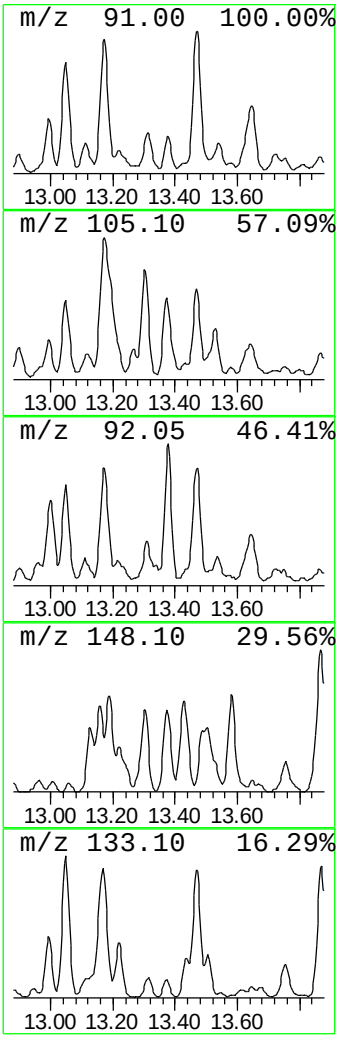
Peak Number 35 2-Methyl-7-endo-vinylbicycl... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.71 ug/L	71986	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	91
2	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	64
3	Benzene, pentyl-	148	C11H16	000538-68-1	52
4	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	38
5	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

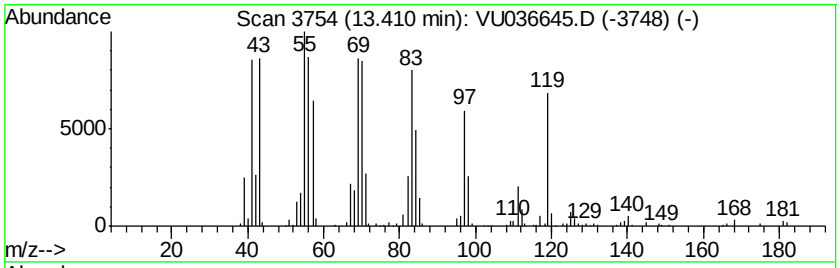
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

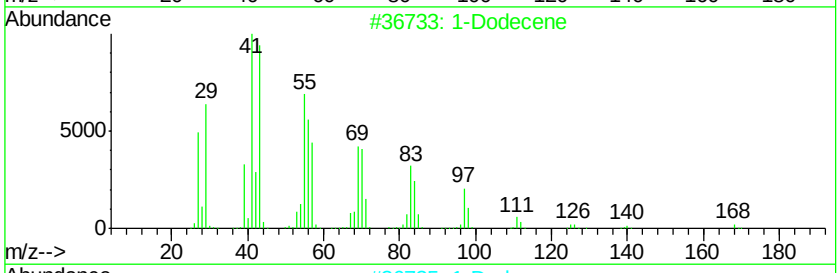
****

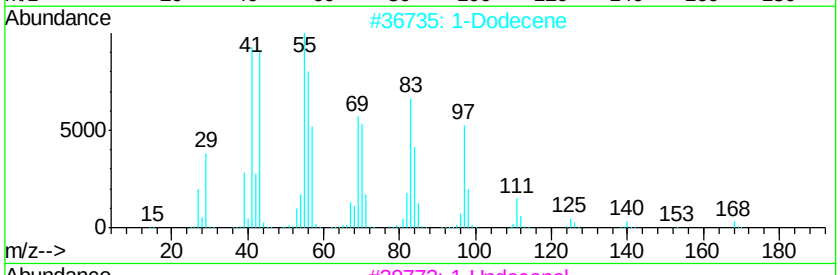
Peak Number 36 (DEL) Alkane: Cyclic13.41 Concentration Rank 49

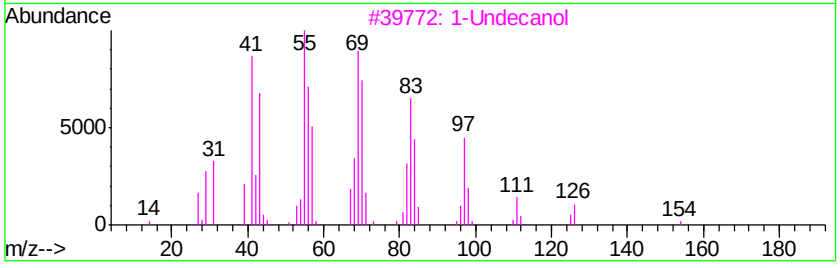
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	12.19 ug/L	236698	1,4-Dichlorobenzene-d4	11.84

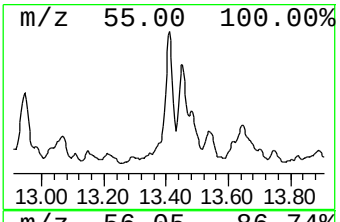
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	95
2	1-Dodecene	168	C12H24	000112-41-4	91
3	1-Undecanol	172	C11H24O	000112-42-5	87
4	1-Tridecene	182	C13H26	002437-56-1	86
5	1-Dodecanol	186	C12H26O	000112-53-8	86

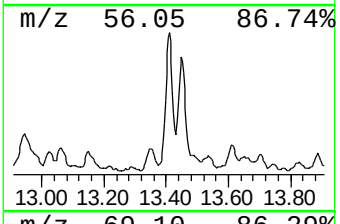


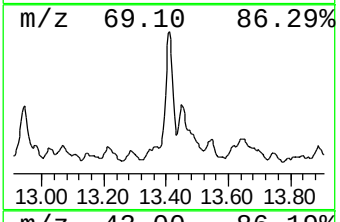


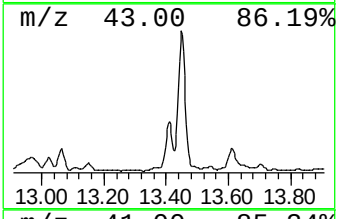


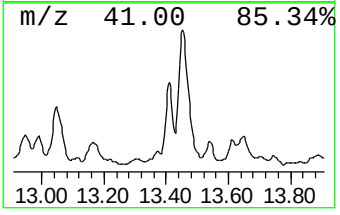












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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

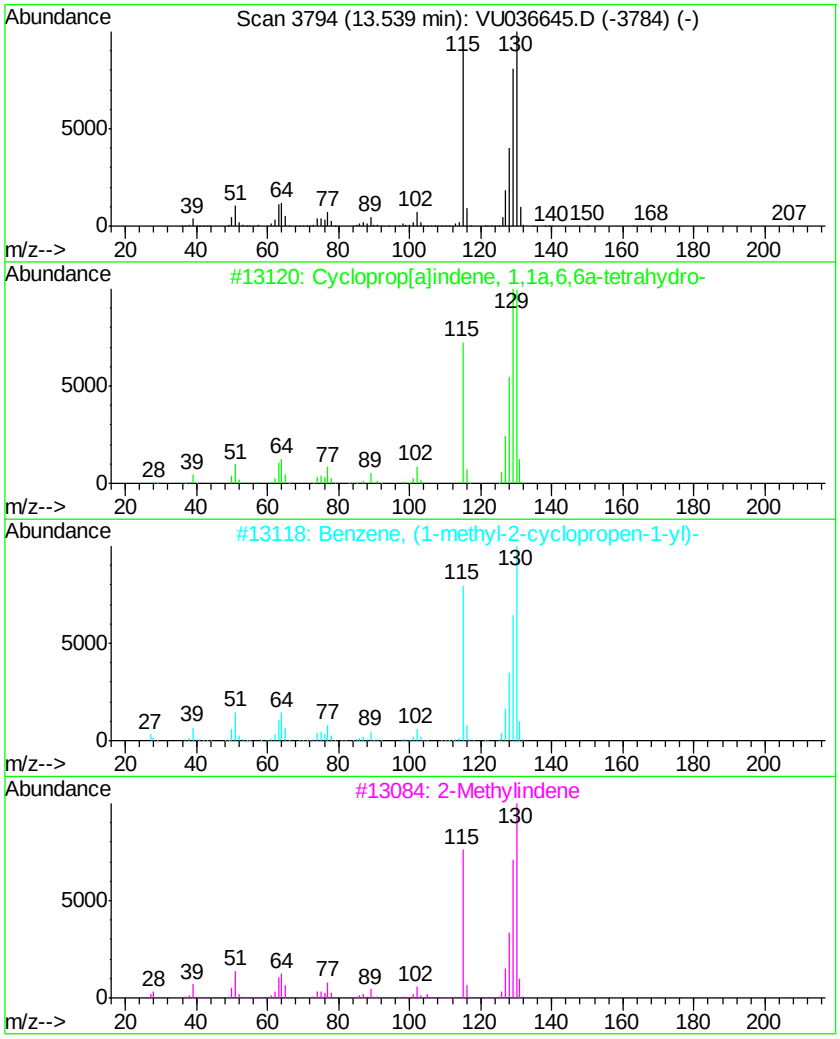
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

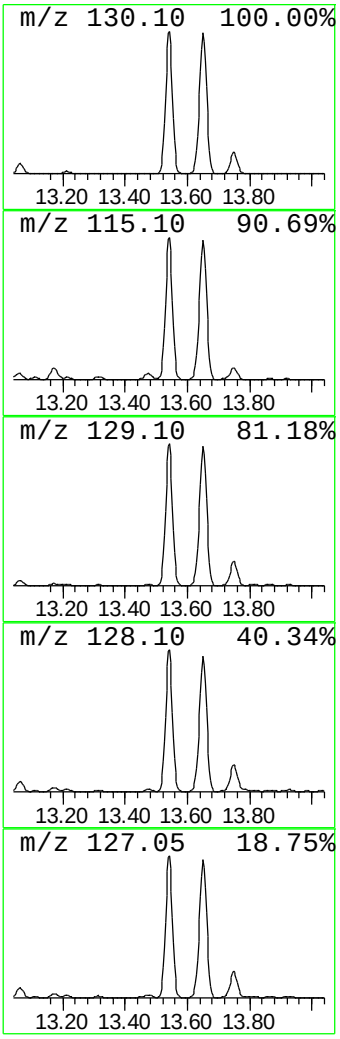
****

Peak Number 38 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	443.17 ug/L	8602660	1,4-Dichlorobenzene-d4	11.84

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	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
3	2-Methylindene	130	C10H10	002177-47-1	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

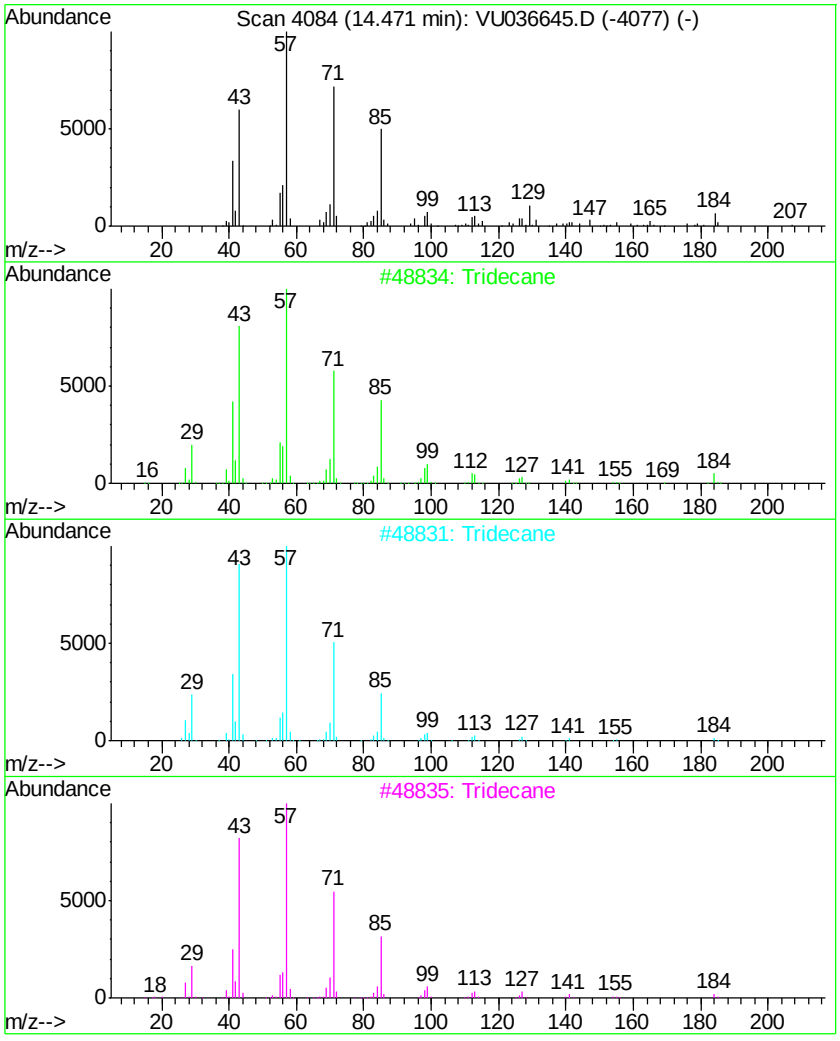
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis

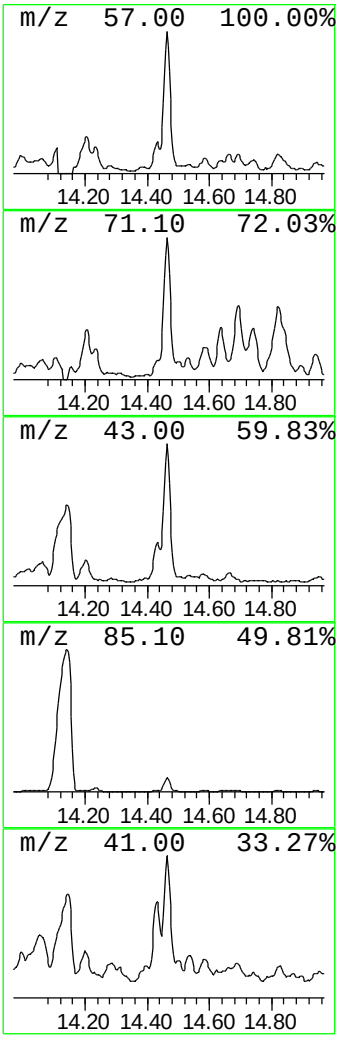
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.12 ug/L	60616	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	91
3	Tridecane	184	C13H28	000629-50-5	91
4	Tridecane	184	C13H28	000629-50-5	81
5	Hexadecane	226	C16H34	000544-76-3	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Data File : VU036645.D
Acq On : 31 Jan 2020 02:42
Operator : JC/MD
Sample : L1324-18
Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAT73

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
(DEL) Alkane: Str...	3.07	3.4	ug/L	44579	1	6.29	651550	50.0
(DEL) Alkane: Str...	5.48	3.7	ug/L	48755	1	6.29	651550	50.0
(DEL) Alkane: Str...	5.93	5.2	ug/L	67757	1	6.29	651550	50.0
unknown-01	7.60	15.6	ug/L	203690	1	6.29	651550	50.0
Benzene, 2-propenyl-	10.85	17.4	ug/L	338644	3	11.84	970591	50.0
Benzene, propyl-	10.93	21.0	ug/L	408310	3	11.84	970591	50.0
Benzene, 1-ethyl-...	11.02	128.4	ug/L	2492460	3	11.84	970591	50.0
Mesitylene	11.11	116.8	ug/L	2267480	3	11.84	970591	50.0
.alpha.-Methylsty...	11.34	74.4	ug/L	1443990	3	11.84	970591	50.0
Benzene, 1,2,3-tr...	11.49	360.9	ug/L	7006320	3	11.84	970591	50.0
Benzene, 1-etheny...	11.56	344.2	ug/L	6681250	3	11.84	970591	50.0
Benzene, 1-methyl...	11.67	4.6	ug/L	89959	3	11.84	970591	50.0
Benzofuran	11.76	12.2	ug/L	236551	3	11.84	970591	50.0
Benzene, 1-propenyl-	11.97	79.5	ug/L	1543220	3	11.84	970591	50.0
Indane	12.12	92.6	ug/L	1796810	3	11.84	970591	50.0
Indene	12.34	1865.0	ug/L	36203600	3	11.84	970591	50.0
2-Indanol	12.40	8.5	ug/L	165512	3	11.84	970591	50.0
Benzene, 2-ethyl-...	12.49	13.9	ug/L	270497	3	11.84	970591	50.0
p-Cymene	12.52	13.3	ug/L	258532	3	11.84	970591	50.0
Benzene, 1-etheny...	12.65	32.5	ug/L	631726	3	11.84	970591	50.0
Benzene, 1-etheny...	12.71	2.9	ug/L	55872	3	11.84	970591	50.0
Benzene, (2-methy...	12.77	89.8	ug/L	1742390	3	11.84	970591	50.0
Benzene, 2-etheny...	12.83	25.4	ug/L	493343	3	11.84	970591	50.0
o-Cymene	12.90	5.6	ug/L	109261	3	11.84	970591	50.0
Benzofuran, 7-met...	12.95	7.7	ug/L	150255	3	11.84	970591	50.0
Benzene, 1,2,3,4-...	12.99	21.5	ug/L	416682	3	11.84	970591	50.0
Benzene, 1-ethyl-...	13.05	88.2	ug/L	1712120	3	11.84	970591	50.0
Benzene, 2-butenyl-	13.11	9.1	ug/L	176471	3	11.84	970591	50.0
Benzene, 4-etheny...	13.17	78.6	ug/L	1525340	3	11.84	970591	50.0
1H-Indene, 2,3-di...	13.31	24.3	ug/L	472194	3	11.84	970591	50.0
2-Methyl-7-endo-v...	13.38	3.7	ug/L	71986	3	11.84	970591	50.0
(DEL) Alkane: Cyc...	13.41	12.2	ug/L	236698	3	11.84	970591	50.0
Cycloprop[a]inden...	13.54	443.2	ug/L	8602660	3	11.84	970591	50.0
(DEL) Alkane: Str...	14.47	3.1	ug/L	60616	3	11.84	970591	50.0