LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.396	87	95	111	rBV	236118	370972	0.29%	0.038%
2	1.679	176	183	199	rBV	143389	288343	0.22%	0.030%
3	2.238	347	357	376	rBV	522728	860250	0.67%	0.089%
4	3.277	664	680	697	rVB3	44973	96359	0.07%	0.010%
5	4.215	956	972	1001	rBV2	113283	550889	0.43%	0.057%
6	4.643	1086	1105	1136	rBV2	346043	961399	0.75%	0.099%
7	4.974	1192	1208	1223	rBV4	41148	100344	0.08%	0.010%
8	5.206	1264	1280	1298	rBV2	38862	100356	0.08%	0.010%
9	5.328	1298	1318	1345	rBV2	916893	2586854	2.01%	0.266%
10	5.881	1474	1490	1528	rBV	810827	1861014	1.45%	0.191%
11	6.328	1614	1629	1648	rBV	501715	1158218	0.90%	0.119%
12	7.228	1897	1909	1934	rVB	263461	589242	0.46%	0.061%
13	7.563	1991	2013	2026	rBV	1081392	2111890	1.64%	0.217%
14	7.633	2026	2035	2054	rVV	700904	1429451	1.11%	0.147%
15	7.723	2055	2063	2083	rVV4	71525	162005	0.13%	0.017%
16	7.852	2093	2103	2135	rVB	169316	410829	0.32%	0.042%
17	8.347	2226	2257	2292	rBV2	543622	1716802	1.33%	0.177%
18	9.093	2476	2489	2507	rBV	1098133	2227181	1.73%	0.229%
19	9.251	2526	2538	2561	rBV	1446459	2747552	2.14%	0.283%
20	9.376	2561	2577	2593	rBV2	29758854	53648137	41.69%	5.520%
21	9.788	2675	2705	2739	rBV3	19025127	41513029	32.26%	4.271%
22	10.042	2778	2784	2795	rVB8	50686	82528	0.06%	0.008%
23	10.170	2813	2824	2844	rBV	369926	701884	0.55%	0.072%
24	10.302	2857	2865	2876	rBV9	47962	117563	0.09%	0.012%
25	10.440	2896	2908	2919	rBV	741619	1270044	0.99%	0.131%
26	10.511	2924	2930	2942	rVB	143007	240789	0.19%	0.025%
27	10.588	2942	2954	2970	rBV	1425333	2288223	1.78%	0.235%
28	10.681	2970	2983	2999	rBV	10060986	21786749	16.93%	2.241%
29	10.771	2999	3011	3021	rBV	8009607	13038397	10.13%	1.341%
30	10.996	3062	3081	3095	rVV2	4717996	11412702	8.87%	1.174%
31	11.151	3109	3129	3139	rBV	27370929	45499608	35.36%	4.681%
32	11.222	3139	3151	3159	rVV2	39084166	61491898	47.79%	6.326%
33	11.267	3159	3165	3178	rVB	15591772	22106863	17.18%	2.274%
34	11.328	3178	3184	3196	rVB7	286602	485258	0.38%	0.050%

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

35	11.402	3198	3207	3209	rBV4	226356	291722	0.23%	0.030%
36	11.427	3210	3215	3223	rVB2	369950	529861	0.41%	0.055%
37	11.485	3223	3233	3241	rBV2	1635895	2534627	1.97%	0.261%
38	11.533	3242	3248	3250	rBV	282848	313303	0.24%	0.032%
39	11.572	3250	3260	3269	rVV	8369012	12846734	9.98%	1.322%
40	11.627	3269	3277	3292	rVB	4418201	6704259	5.21%	0.690%
41	11.697	3295	3299	3308	rVB6	113477	156444	0.12%	0.016%
42	11.768	3308	3321	3329	rBV3	3103790	5866388	4.56%	0.604%
43	11.810	3330	3334	3342	rVB	1396108	1850732	1.44%	0.190%
44	11.874	3342	3354	3366	rBV4	3943617	7607742	5.91%	0.783%
45	11.935	3367	3373	3375	rBV	190245	205636	0.16%	0.021%
46	11.990	3376	3390	3407	rBV2	63550001	120543328	93.68%	12.402%
47	12.148	3429	3439	3442	rBV	1778908	2635637	2.05%	0.271%
48	12.173	3443	3447	3454	rVB2	1951719	2468575	1.92%	0.254%
49	12.222	3454	3462	3467	rBV	3780847	5829010	4.53%	0.600%
50	12.305	3478	3488	3499	rVB2	4296562	7935293	6.17%	0.816%
51	12.357	3499	3504	3507	rBV2	382613	430490	0.33%	0.044%
52	12.424	3515	3525	3535	rVB	14877183	23309267	18.11%	2.398%
53	12.485	3535	3544	3557	rVB2	4480893	6829399	5.31%	0.703%
54	12.549	3558	3564	3572	rVB	596462	800886	0.62%	0.082%
55	12.607	3574	3582	3586	rBV3	439330	680001	0.53%	0.070%
56	12.649	3586	3595	3602	rVB	3198550	4587914	3.57%	0.472%
57	12.707	3602	3613	3624	rBV3	8741336	17223477	13.38%	1.772%
58	12.762	3624	3630	3639	rVB2	1210847	1746019	1.36%	0.180%
59	12.823	3639	3649	3658	rBV	11154517	17737864	13.78%	1.825%
60	12.964	3684	3693	3707	rVB	2475206	3714460	2.89%	0.382%
61	13.035	3708	3715	3723	rBV2	477429	698187	0.54%	0.072%
62	13.122	3723	3742	3751	rBV3	9684647	17527863	13.62%	1.803%
63	13.189	3751	3763	3774	rVB	46904497	73528492	57.14%	7.565%
64	13.295	3783	3796	3812	rVB	52696863	87363530	67.89%	8.988%
65	13.389	3813	3825	3839	rVB2	5830176	10565620	8.21%	1.087%
66	13.459	3840	3847	3854	rBV3	519314	754098	0.59%	0.078%
67	13.521	3855	3866	3874	rBV4	1275618	2772384	2.15%	0.285%
68	13.868	3966	3974	3986	rVB	4641703	7794849	6.06%	0.802%
69	13.964	3995	4004	4026	rVB6	816558	2356588	1.83%	0.242%
70	14.141	4051	4059	4065	rBV2	2359030	3653904	2.84%	0.376%
71	14.176	4066	4070	4077	rVB	1196279	1519759	1.18%	0.156%

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Instrument : MSVOA_U
ClientSampleId : GAHX0

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Integrator: RTE
Smoothing : OFF Filtering: 5
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Title : VOC Analysis

72	14.279	4096	4102	4110	rVB	2273330	3202385	2.49%	0.329%
73	14.337	4110	4120	4129	rBV2	4678903	8180159	6.36%	0.842%
74	14.385	4130	4135	4144	rVB	2034607	2986703	2.32%	0.307%
75	14.463	4148	4159	4176	rVB	3490744	7255042	5.64%	0.746%
76	14.585	4190	4197	4212	rVB	976113	1652368	1.28%	0.170%
77	14.662	4215	4221	4223	rBV2	214734	254511	0.20%	0.026%
78	14.729	4235	4242	4259	rVB	1560633	2861191	2.22%	0.294%
79	14.819	4262	4270	4276	rVV	714314	1093622	0.85%	0.113%
80	14.884	4276	4290	4314	rVB2	72169053	128680069	100.00%	13.239%
81	15.061	4333	4345	4364	rVB	25303334	41058510	31.91%	4.224%
82	15.604	4505	4514	4524	rBV	467165	696888	0.54%	0.072%
83	15.794	4565	4573	4581	rBV	522512	769940	0.60%	0.079%
84	15.909	4597	4609	4625	rBV	2220391	3755452	2.92%	0.386%
85	16.054	4644	4654	4661	rBV	1480814	2323235	1.81%	0.239%
86	16.093	4661	4666	4683	rVB	734842	1131783	0.88%	0.116%
87	16.186	4685	4695	4708	rBV	690567	1092585	0.85%	0.112%
88	16.282	4709	4725	4747	rVB2	423014	1010065	0.78%	0.104%
89	16.427	4761	4770	4782	rBV2	171377	283530	0.22%	0.029%
90	16.524	4788	4800	4816	rBV3	656371	1276225	0.99%	0.131%
91	16.630	4825	4833	4844	rVB3	149839	245525	0.19%	0.025%
92	16.736	4857	4866	4869	rBV3	66252	109649	0.09%	0.011%
93	16.765	4870	4875	4884	rVV	165589	257687	0.20%	0.027%
94	16.816	4886	4891	4900	rVV5	71420	108221	0.08%	0.011%
95	16.967	4933	4938	4946	rVV2	135589	209530	0.16%	0.022%
96	17.019	4946	4954	4972	rVB3	170295	383204	0.30%	0.039%
97	17.167	4990	5000	5010	rBV	265893	445779	0.35%	0.046%
98	17.225	5010	5018	5029	rVB2	158645	261349	0.20%	0.027%
99	17.363	5045	5061	5069	rBV6	84020	223104	0.17%	0.023%
100	17.527	5103	5112	5129	rBV3	114691	237788	0.18%	0.024%

Sum of corrected areas: 971974063

LSC Report - Integrated Chromatogram

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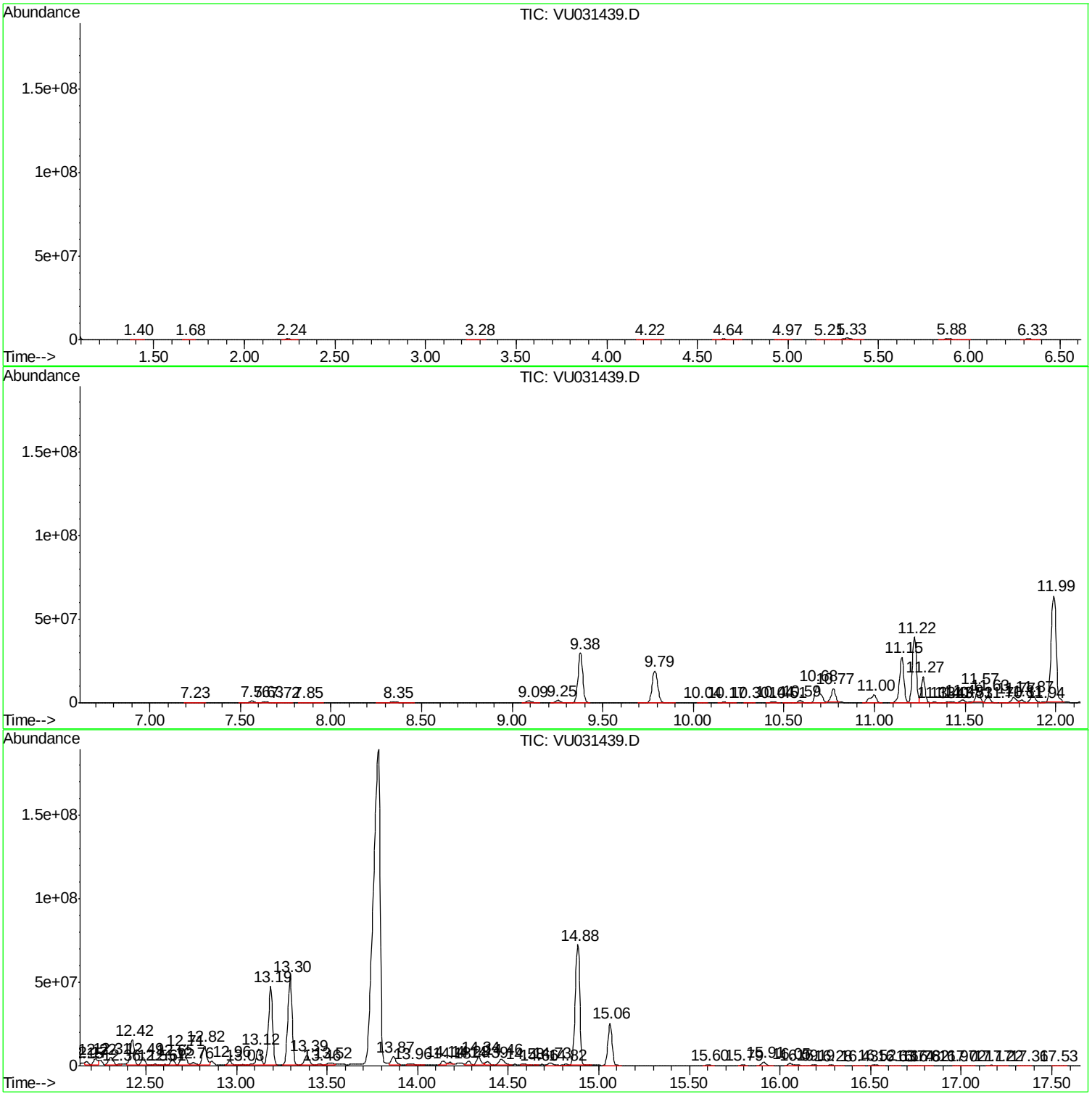
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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



Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : GAHX0

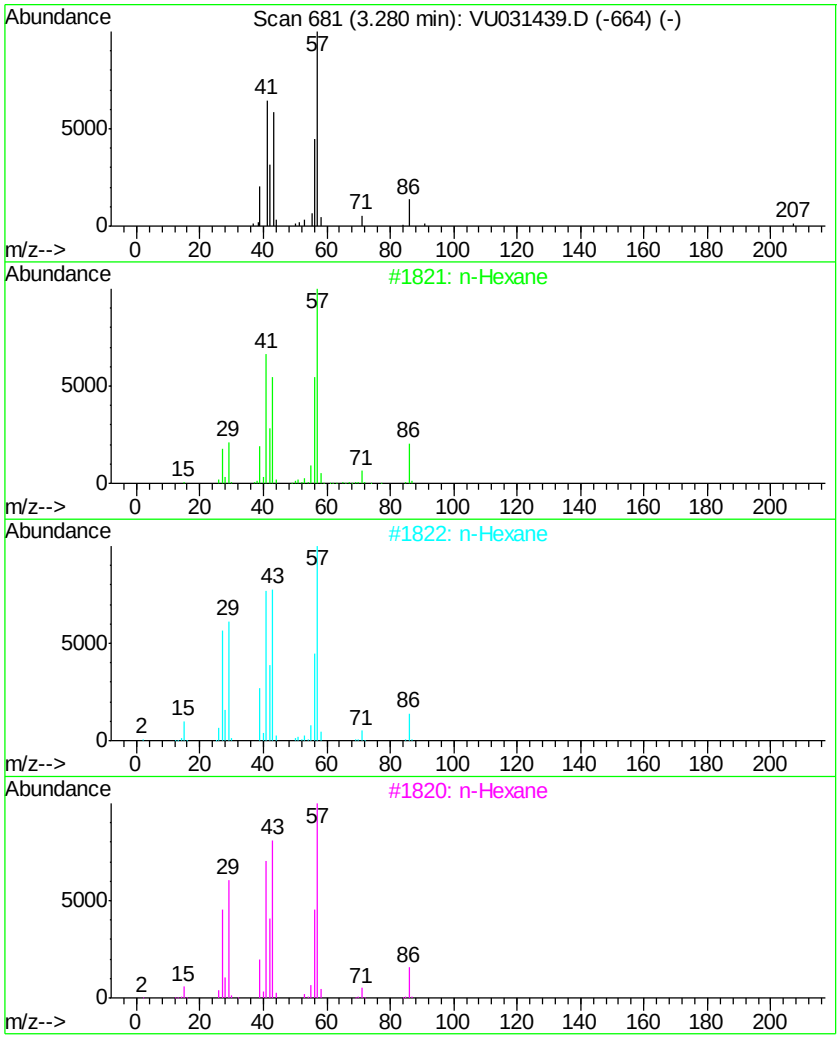
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis

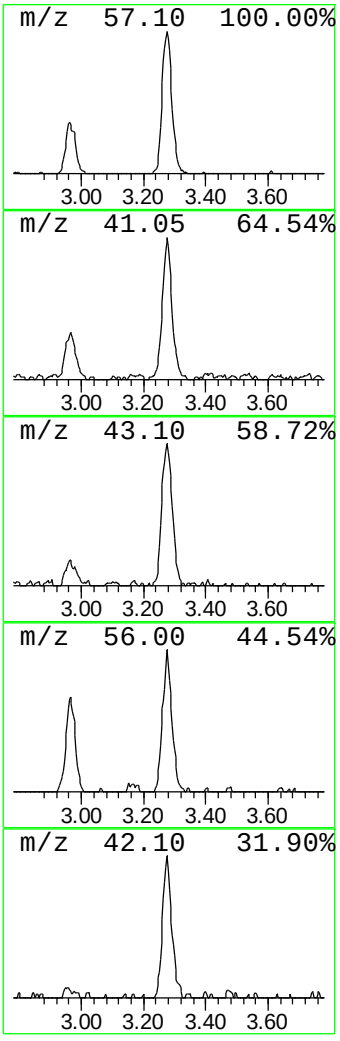
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	2.59 ug/L	96359	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
5	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38





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Instrument : MSVOA_U
ClientSampleId : GAHX0

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

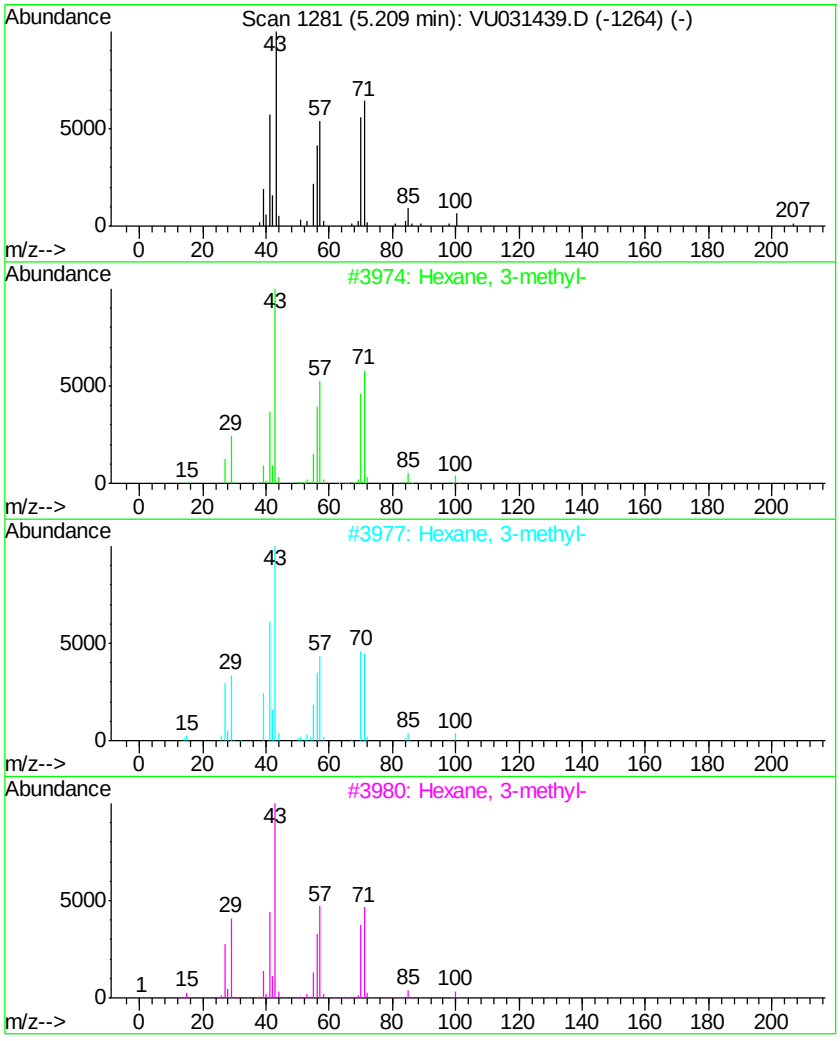
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

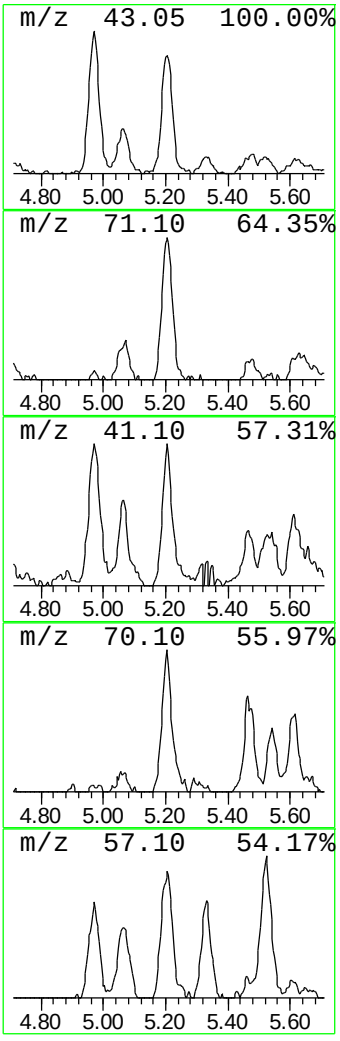
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	2.70 ug/L	100356	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	80





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ClientSampleId : GAHX0

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

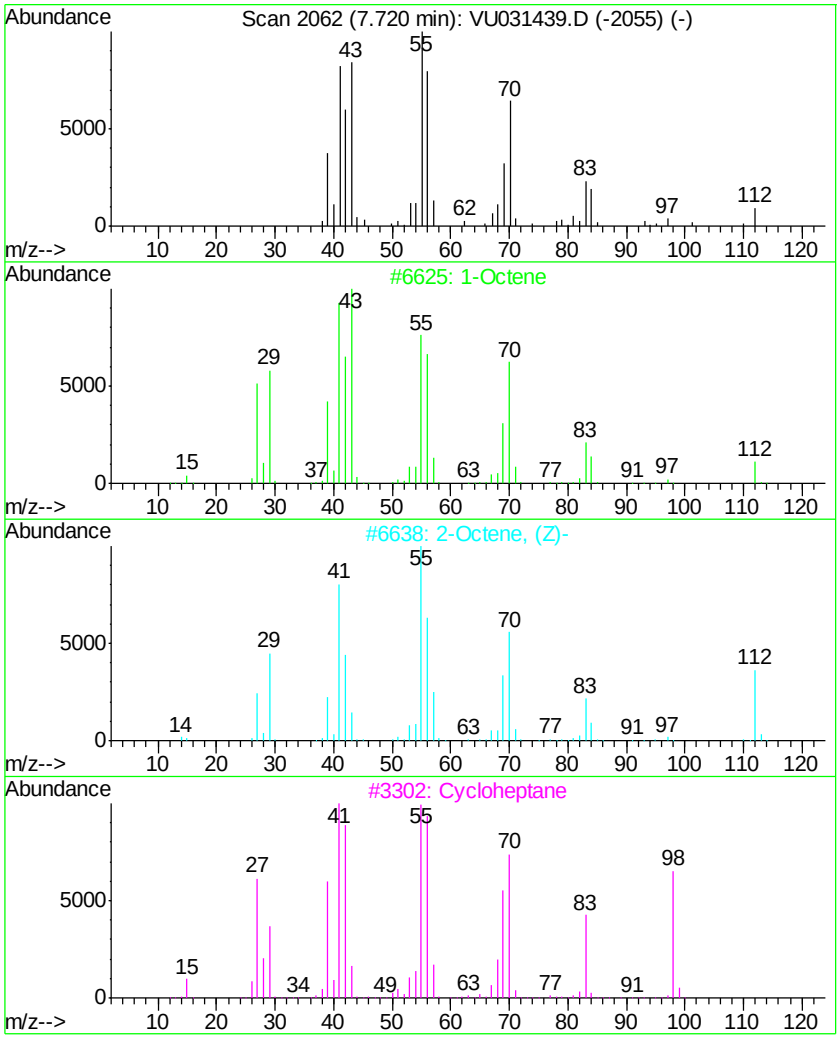
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

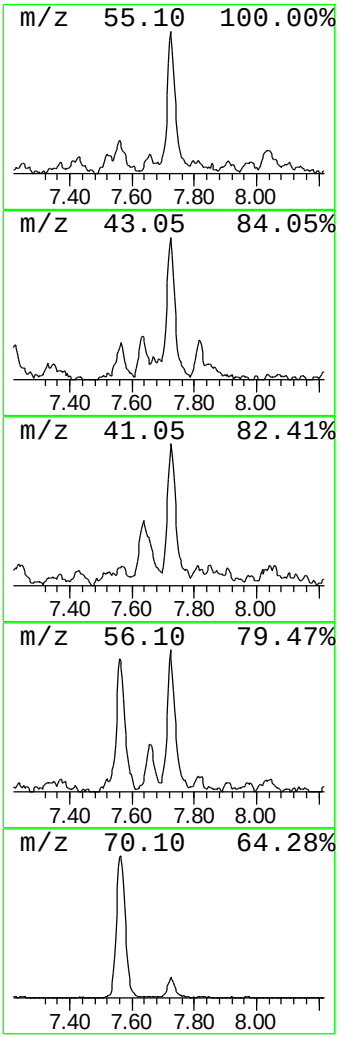
****

Peak Number 4 (DEL) Alkane: Cyclic7.72 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	3.64 ug/L	162005	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene	112	C8H16	000111-66-0	87
2	2-Octene, (Z)-	112	C8H16	007642-04-8	58
3	Cycloheptane	98	C7H14	000291-64-5	53
4	2-Octene, (Z)-	112	C8H16	007642-04-8	52
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	52





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

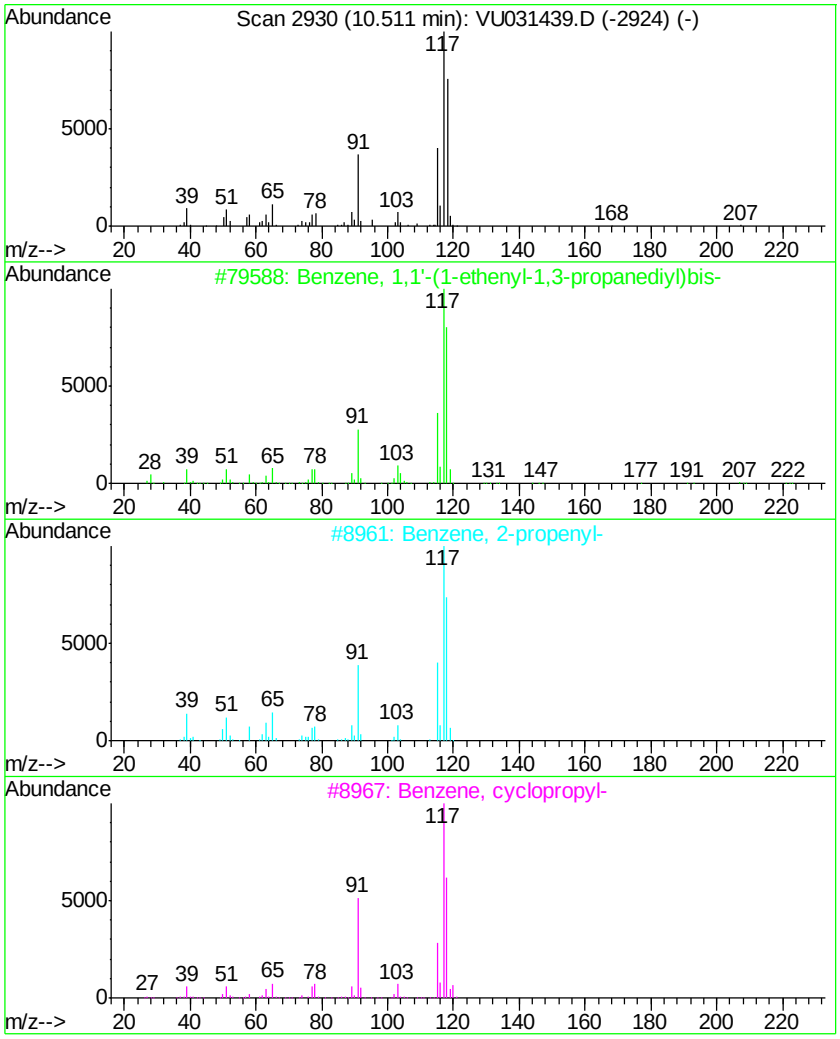
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

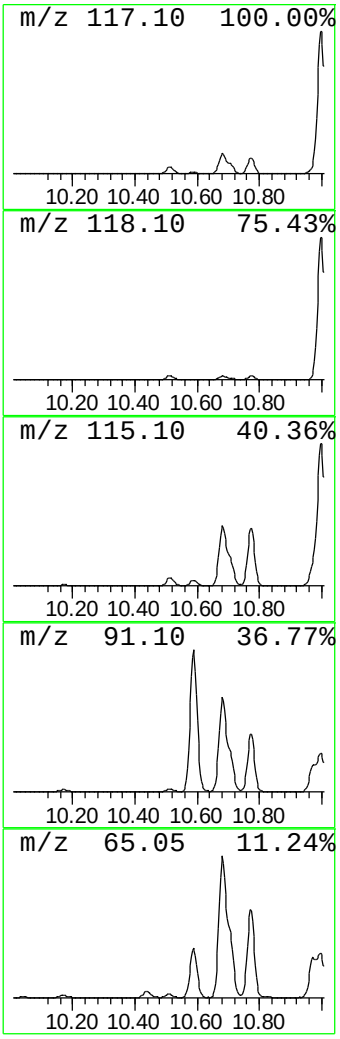
****

Peak Number 5 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.75 ug/L	240789	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	86
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81





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ClientSampleId : GAHX0

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Quant Title : VOC Analysis

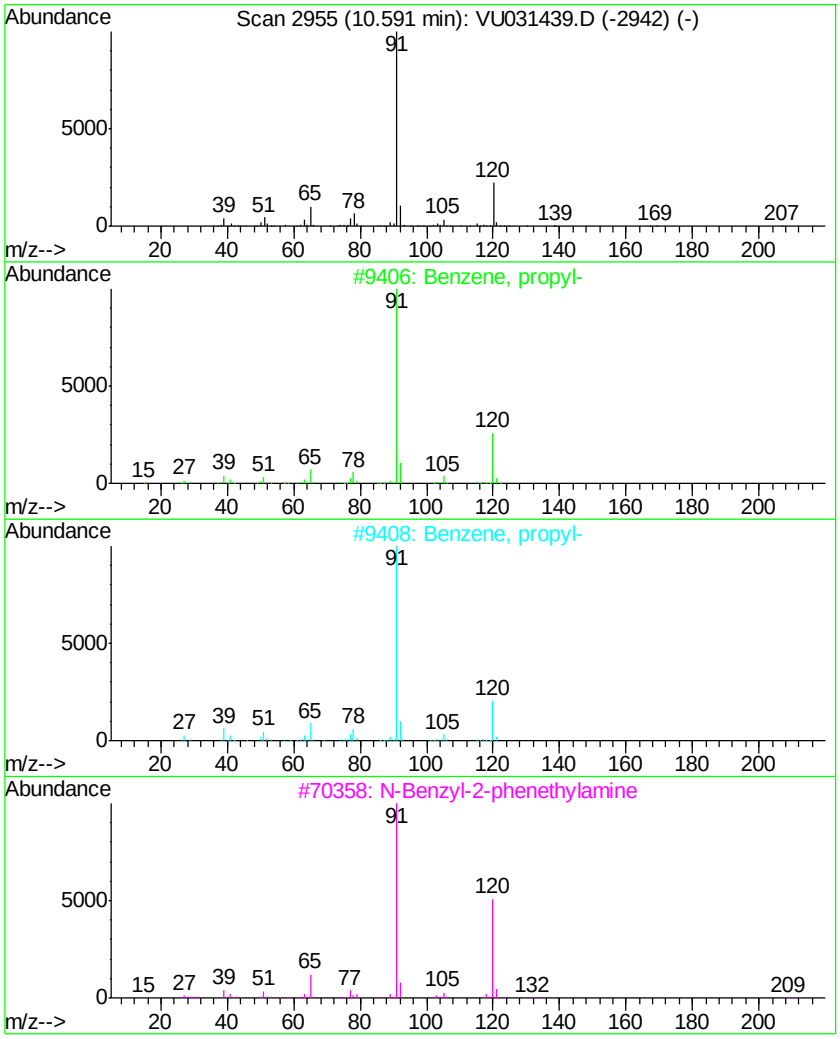
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

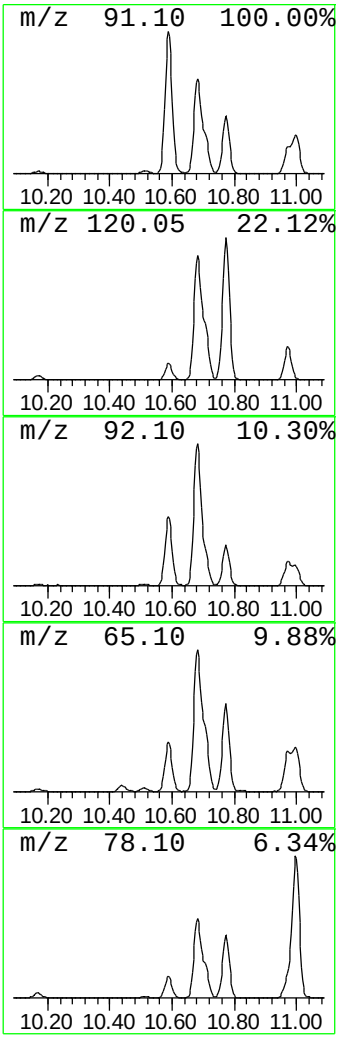
****

Peak Number 6 Benzene, propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	45.14 ug/L	2288220	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	n-Butylbenzylamine	163	C11H17N	002403-22-7	64





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

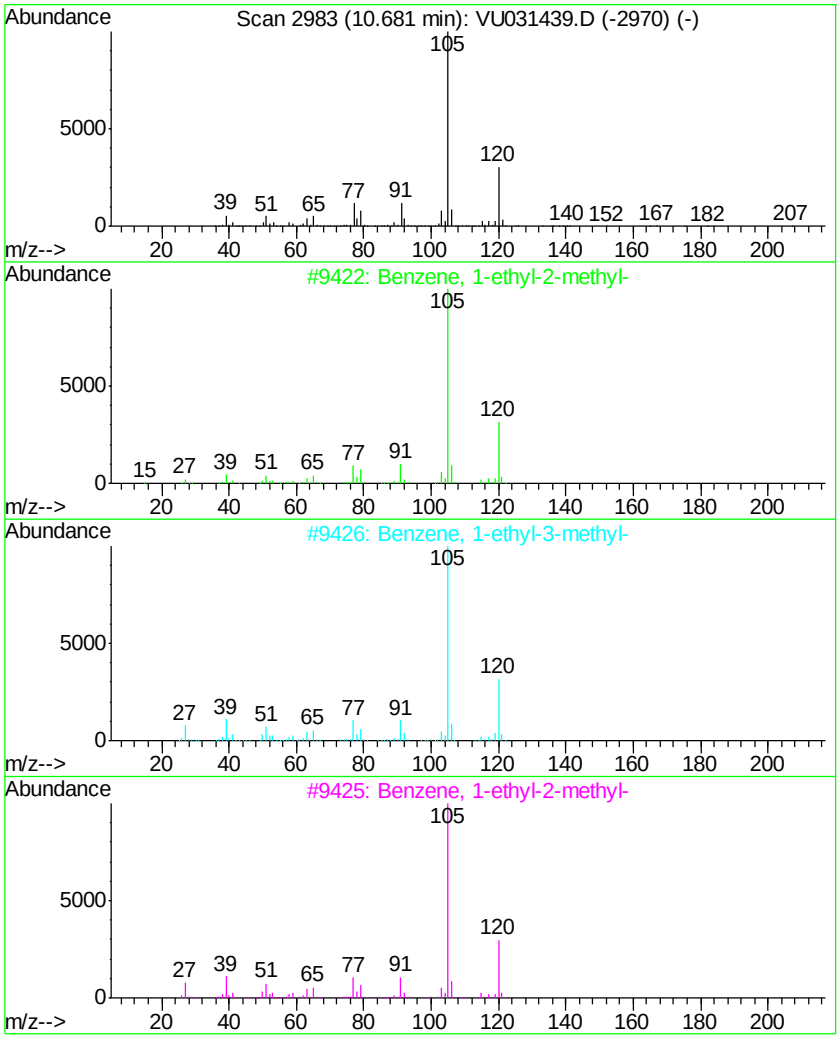
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

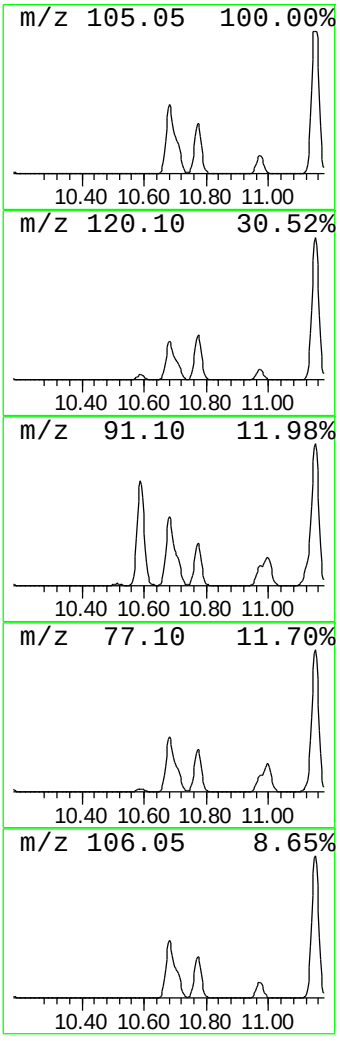
****

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	429.78 ug/L	21786700	1,4-Dichlorobenzene-d4	11.49

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





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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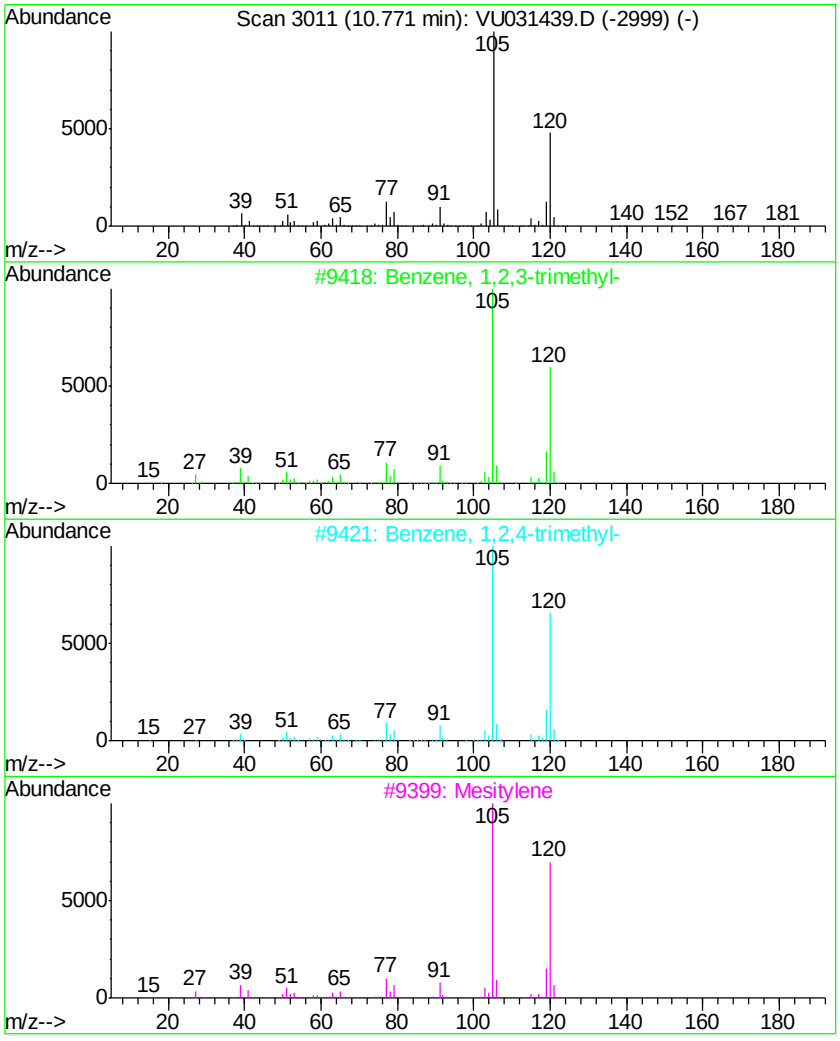
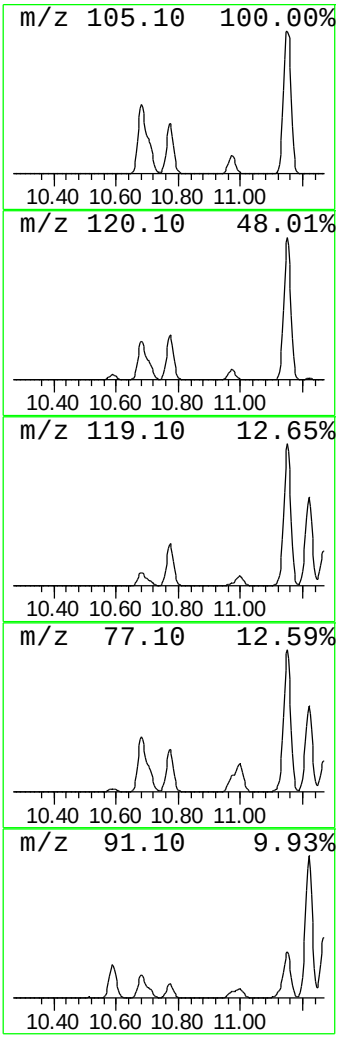
Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	257.21 ug/L	13038400	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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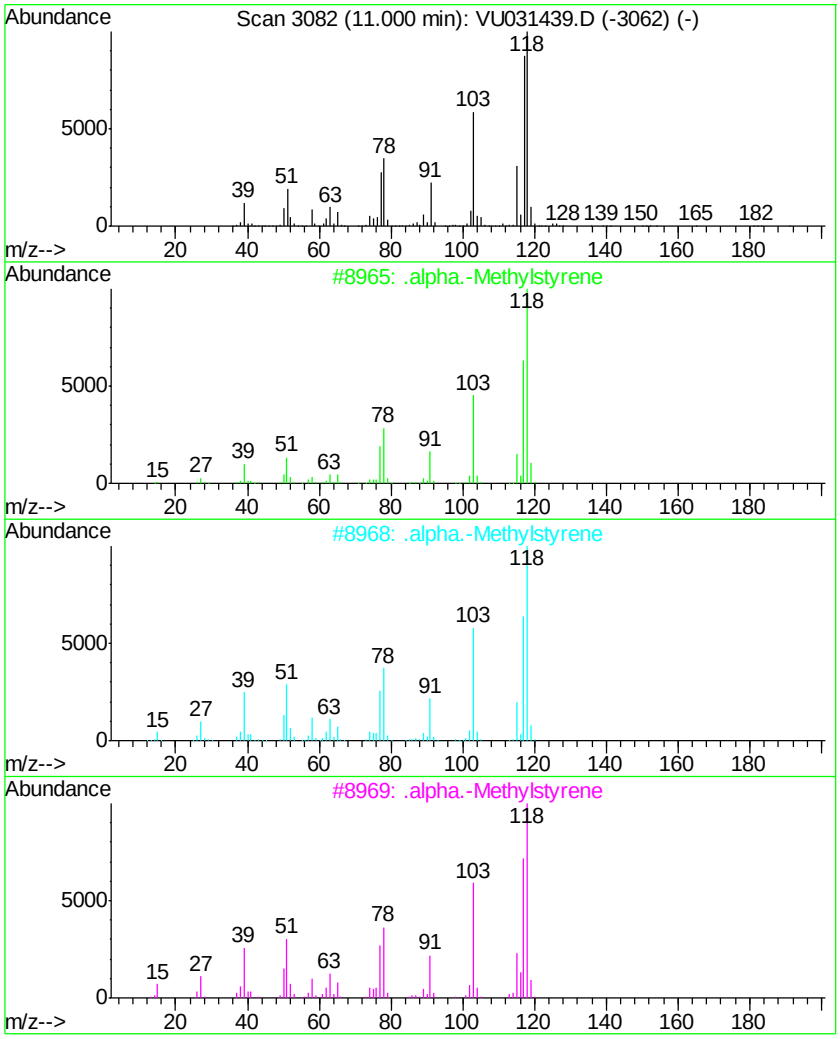
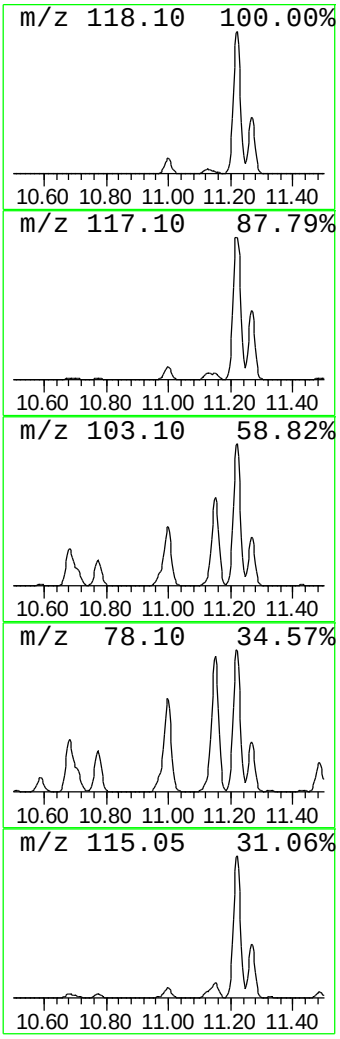
Peak Number 9 .alpha.-Methylstyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	225.14 ug/L	11412700	1,4-Dichlorobenzene-d4	11.49

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	95
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	91
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	58
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	53





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

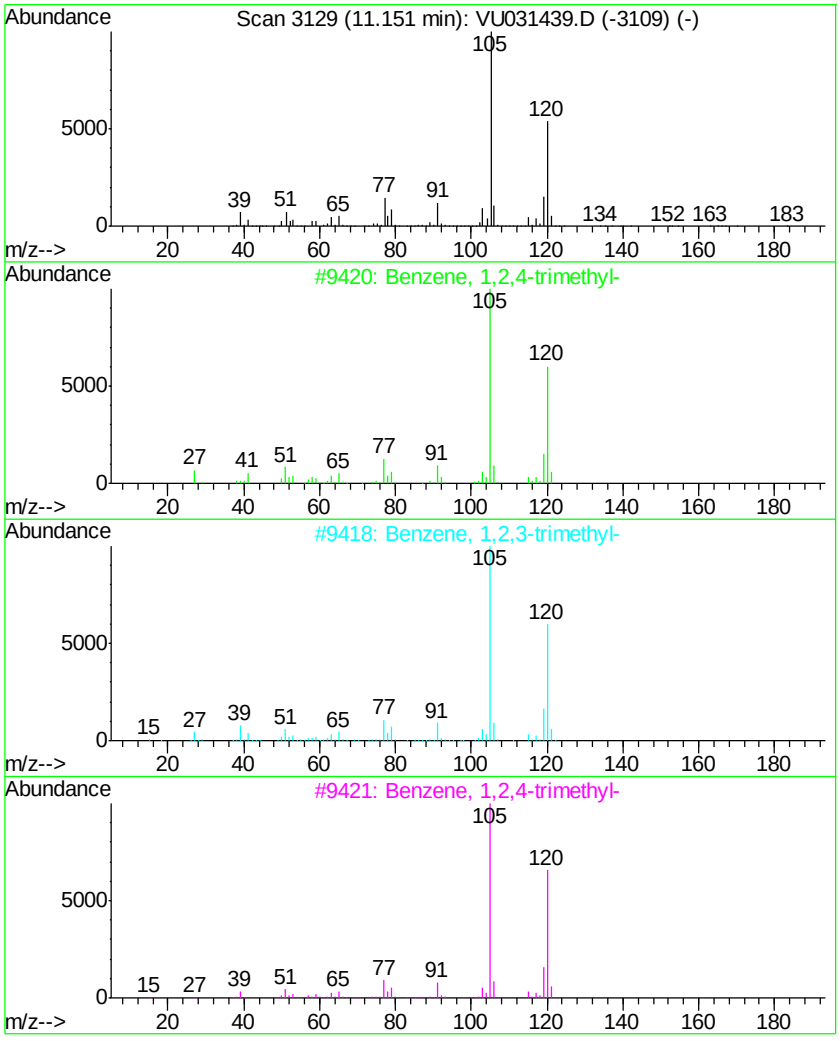
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

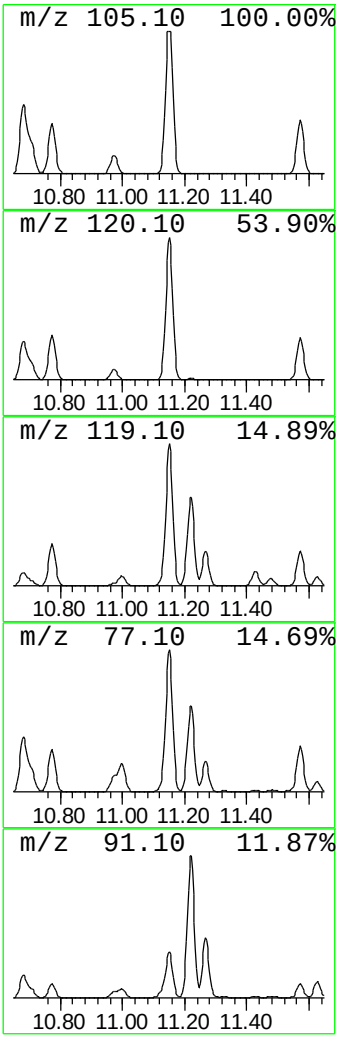
****

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	897.56 ug/L	45499600	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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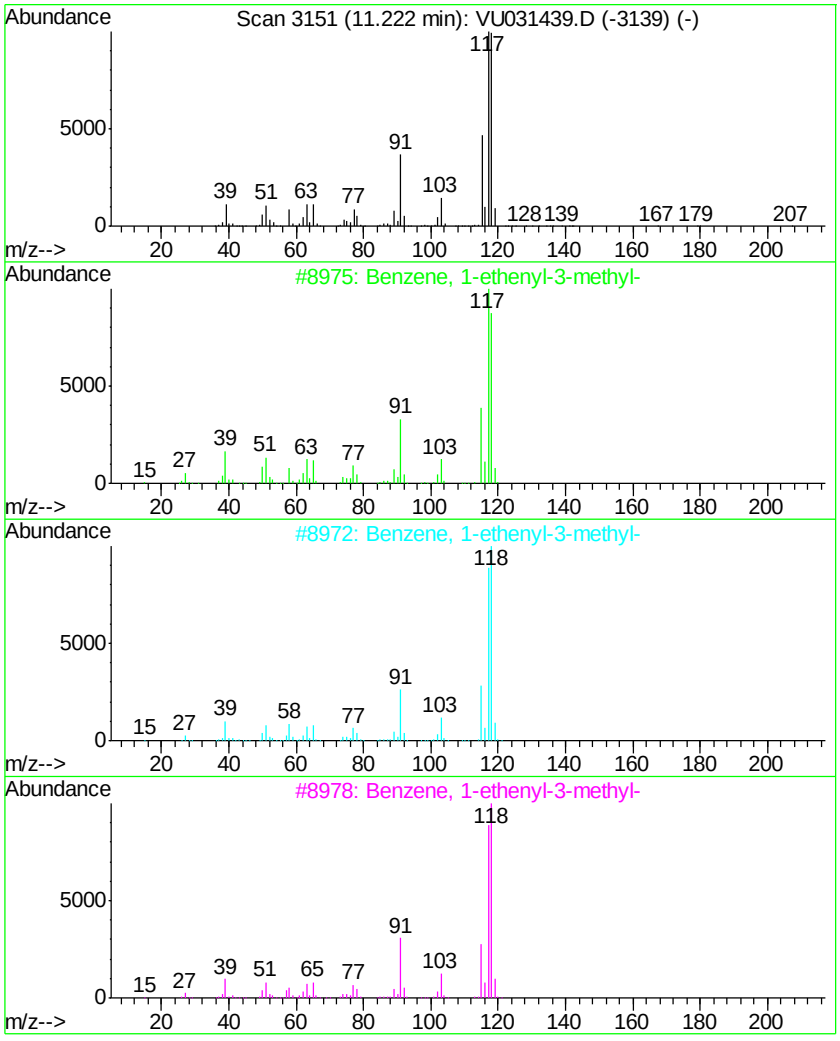
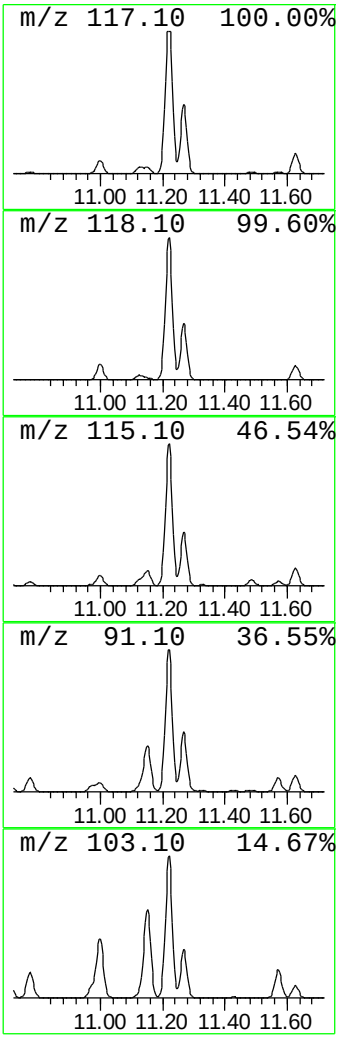
Peak Number 11 Benzene, 1-ethenyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	1213.04 ug/L	61491900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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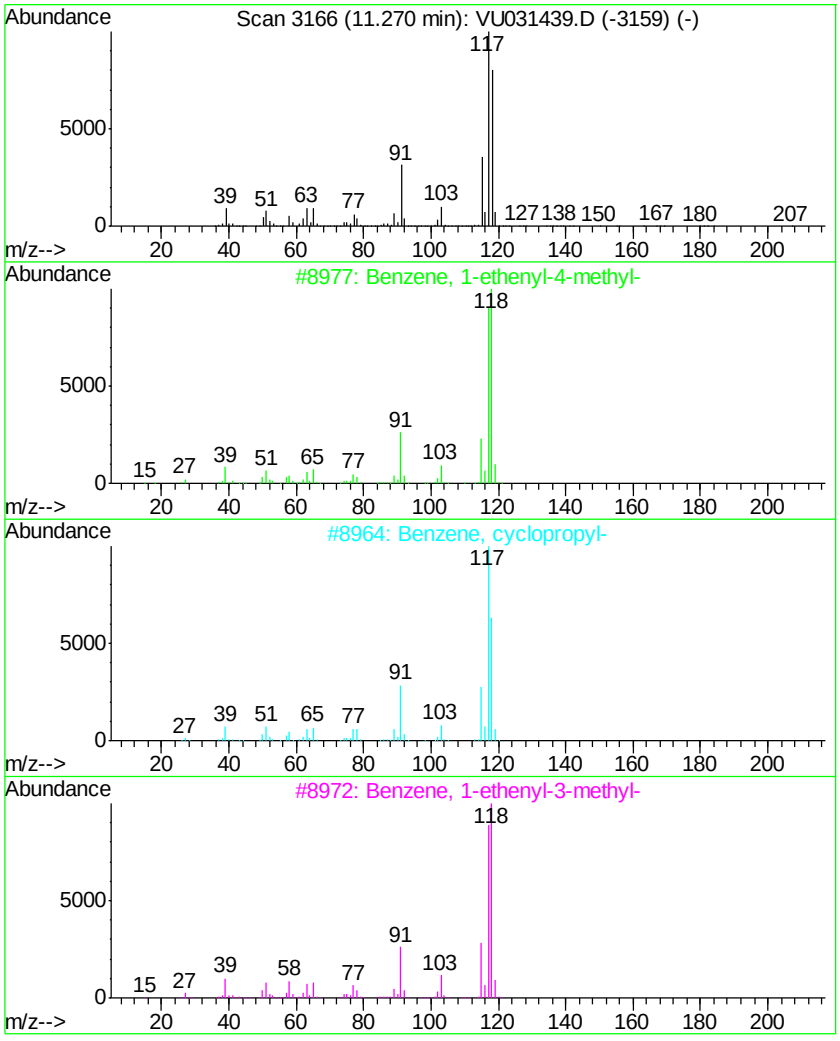
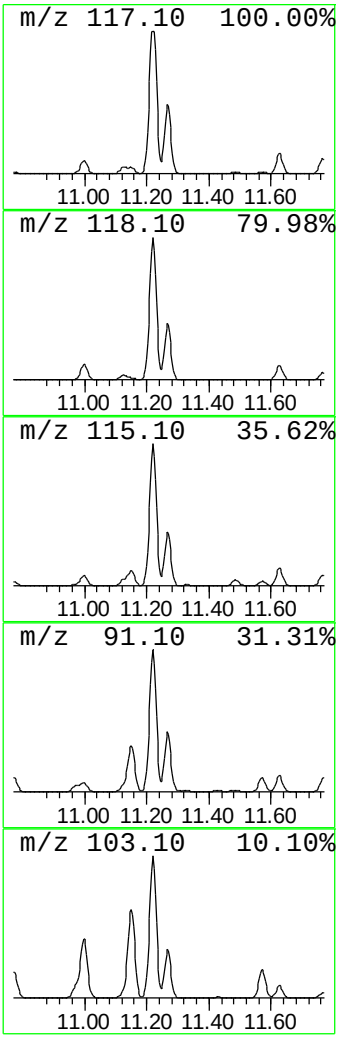
Peak Number 12 Benzene, 1-ethenyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	436.10 ug/L	22106900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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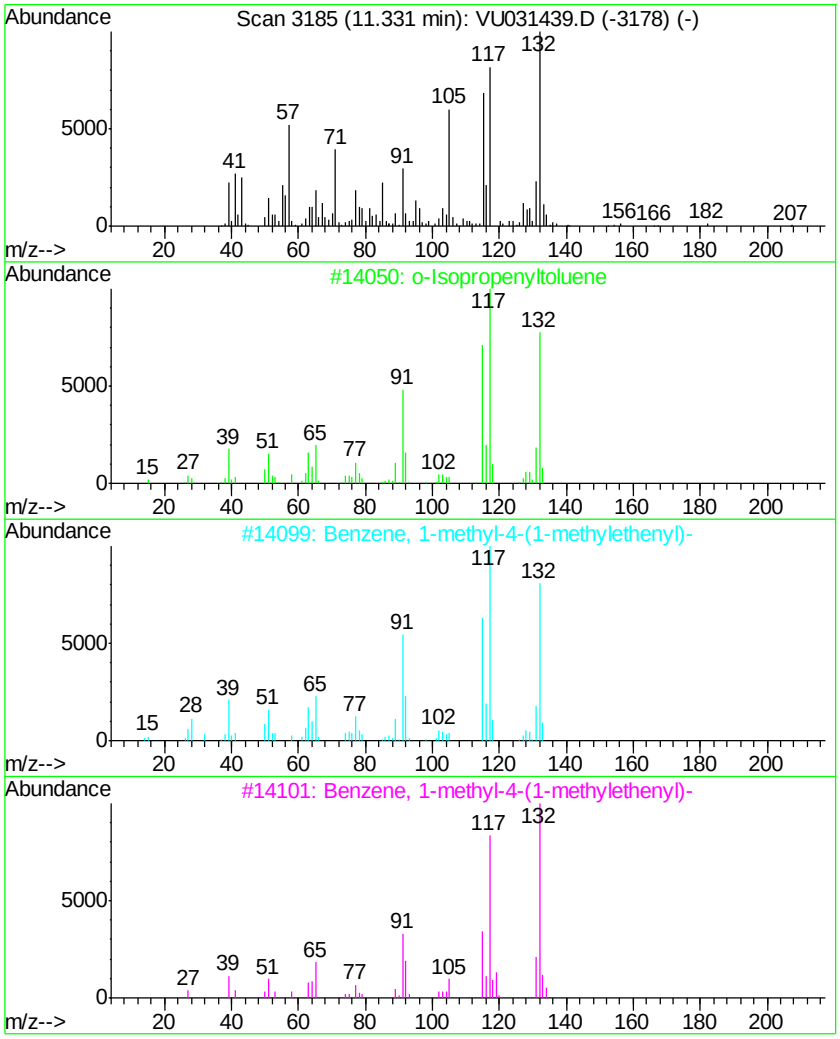
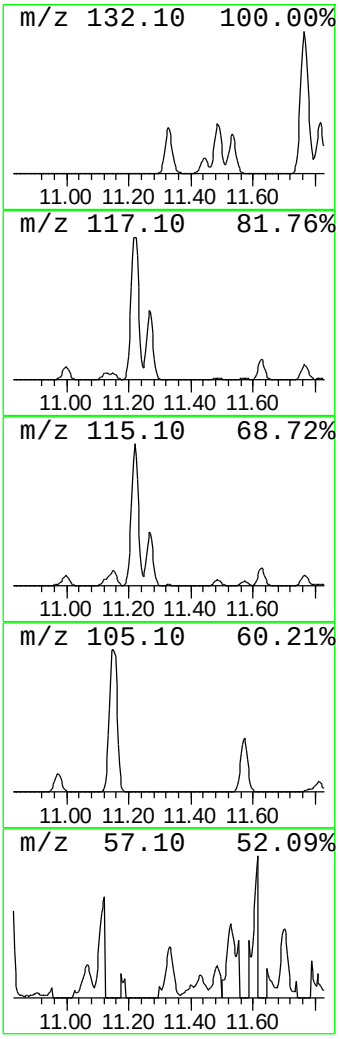
Peak Number 13 o-Isopropenyltoluene Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	9.57 ug/L	485258	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Isopropenyltoluene	132	C10H12	007399-49-7	94
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	91
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	74





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Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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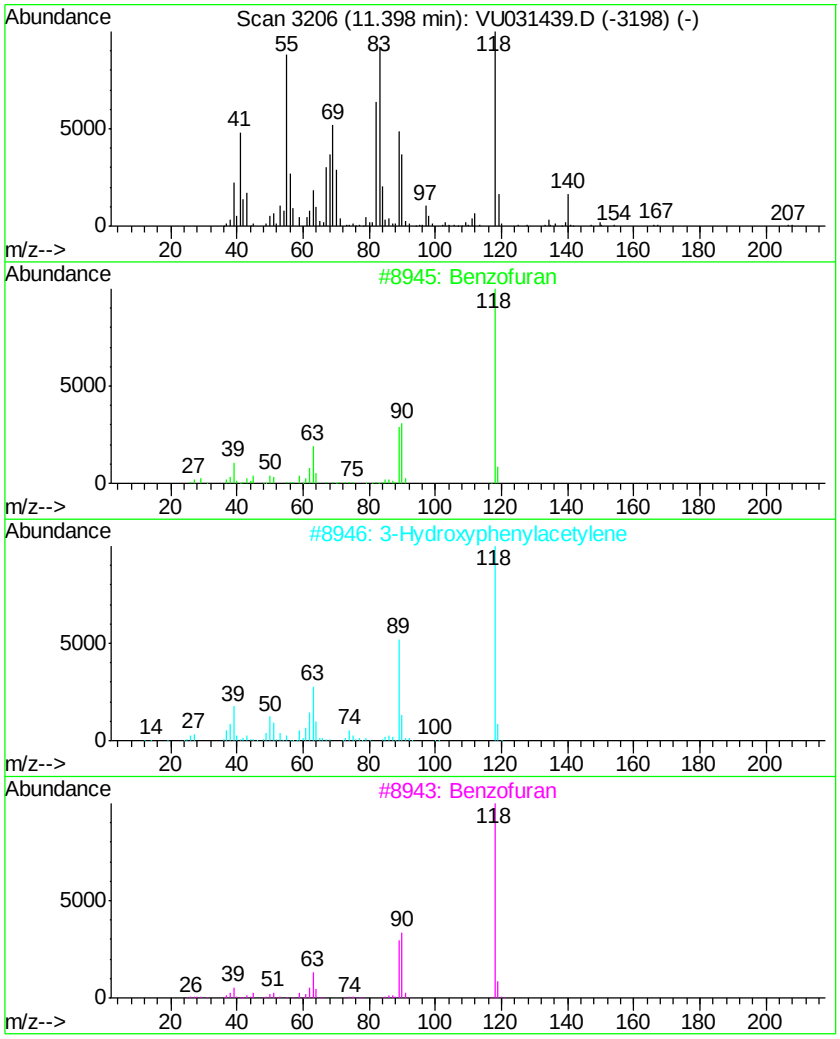
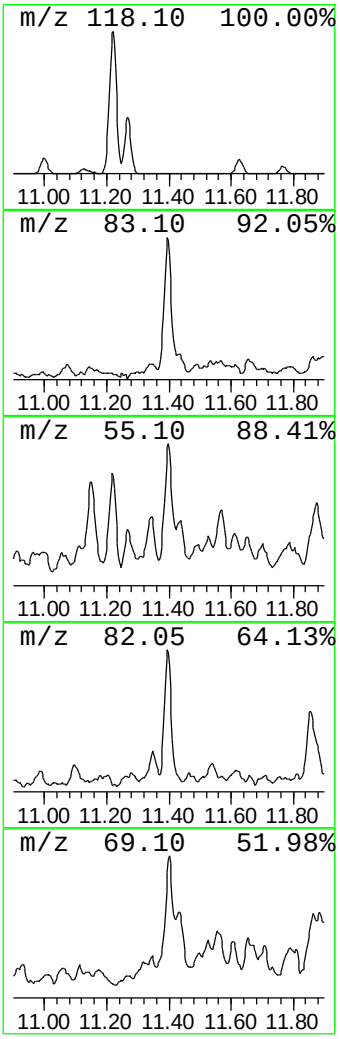
Peak Number 14 Benzofuran Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.75 ug/L	291722	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	50
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	46
3	Benzofuran	118	C8H6O	000271-89-6	38
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	18
5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	14





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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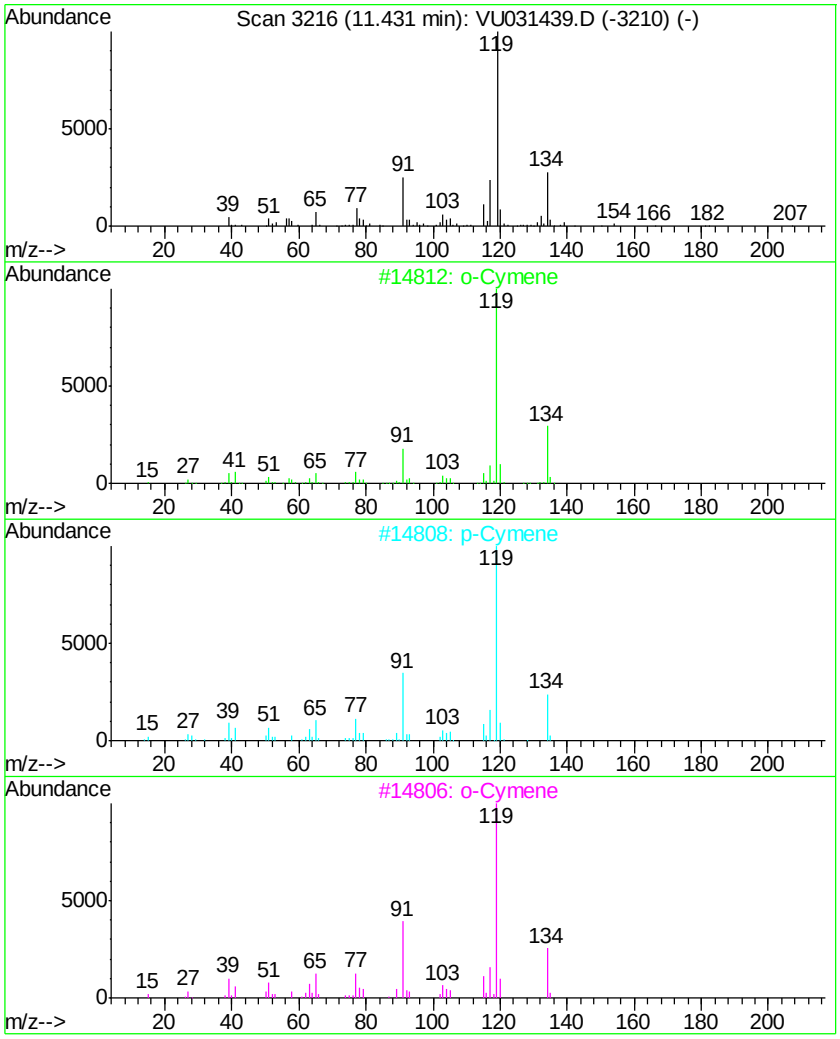
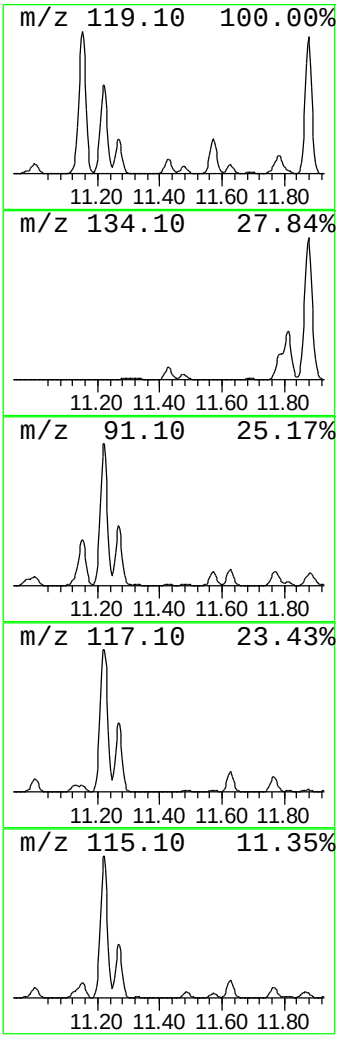
Peak Number 15 o-Cymene Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	10.45 ug/L	529861	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
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Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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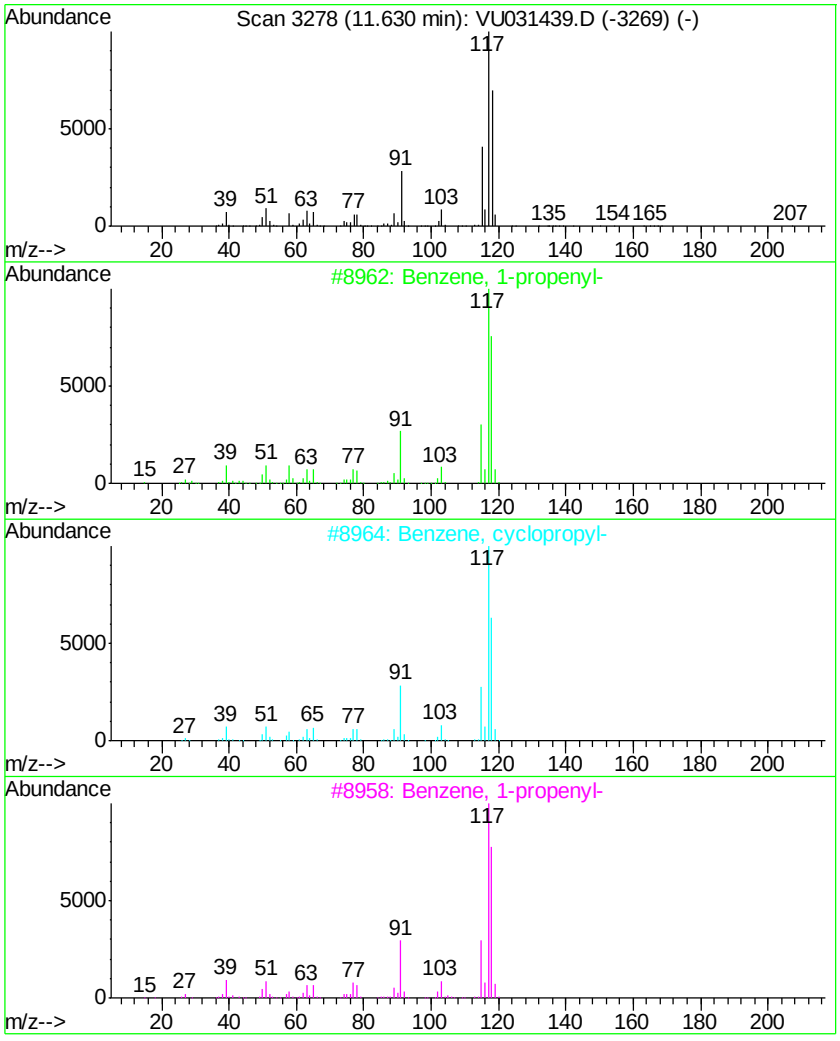
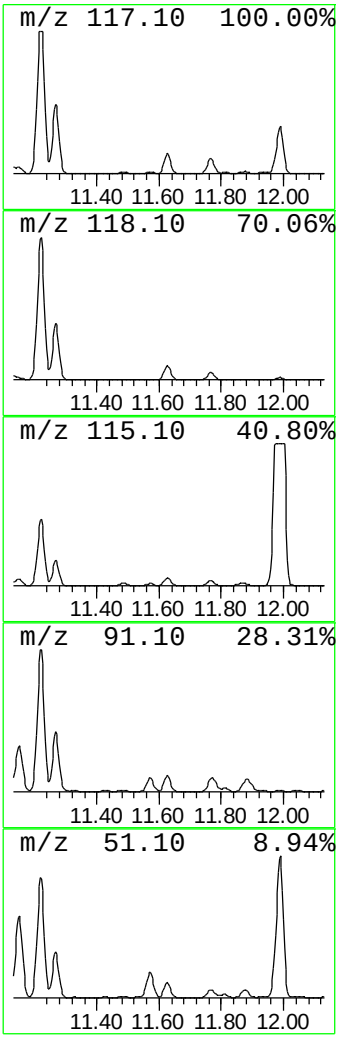
Peak Number 17 Benzene, 1-propenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	132.25 ug/L	6704260	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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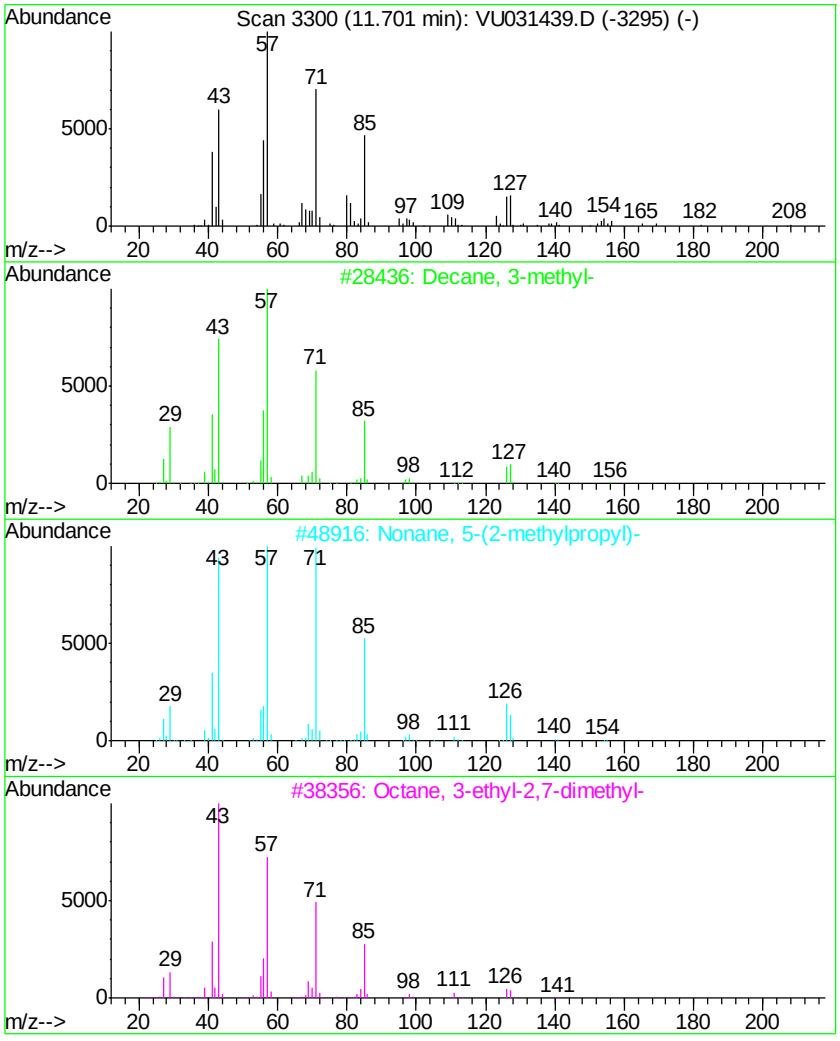
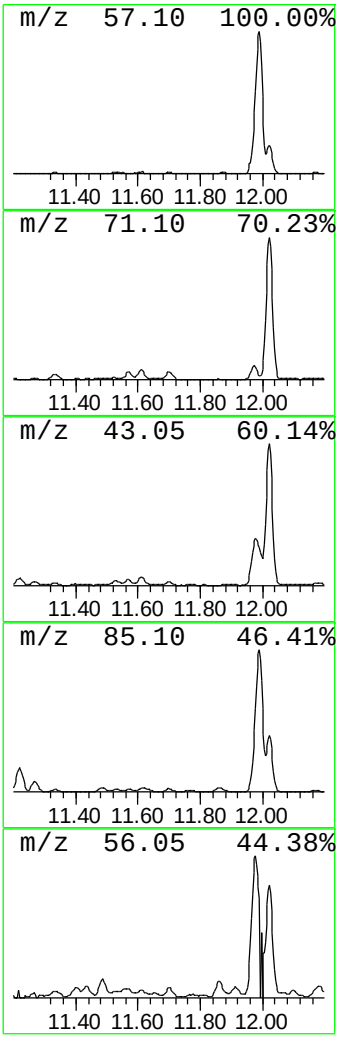
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	3.09 ug/L	156444	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	64
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	59
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

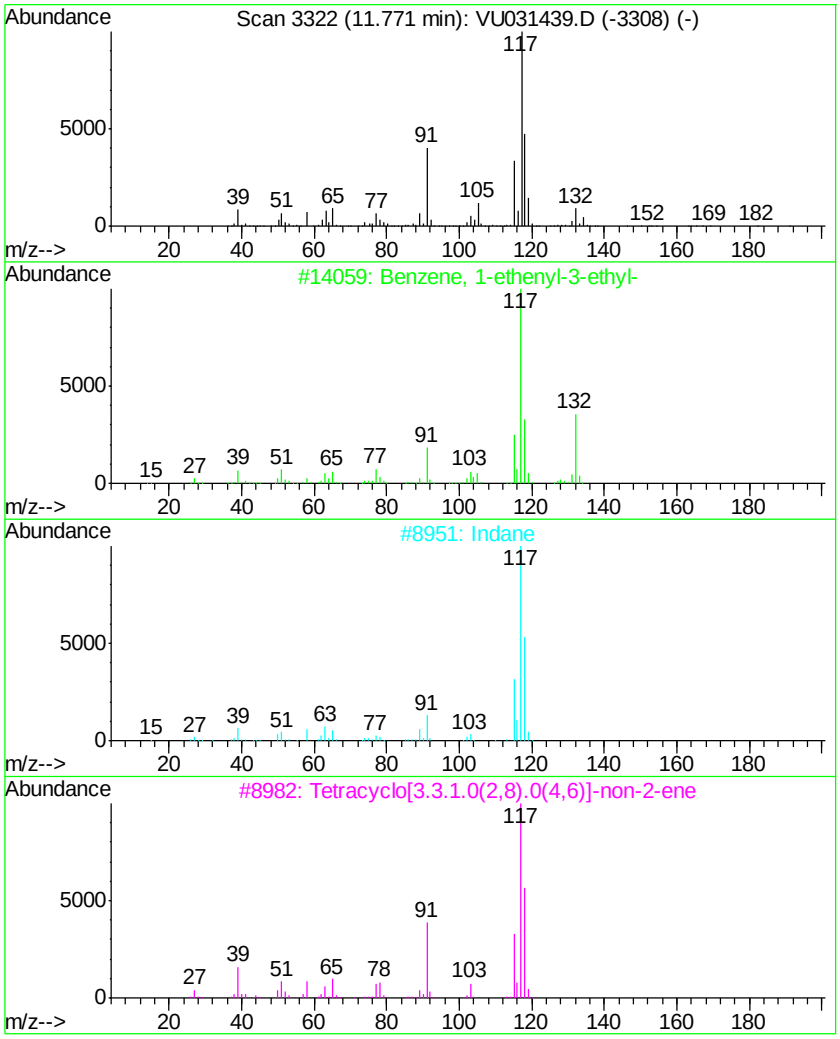
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

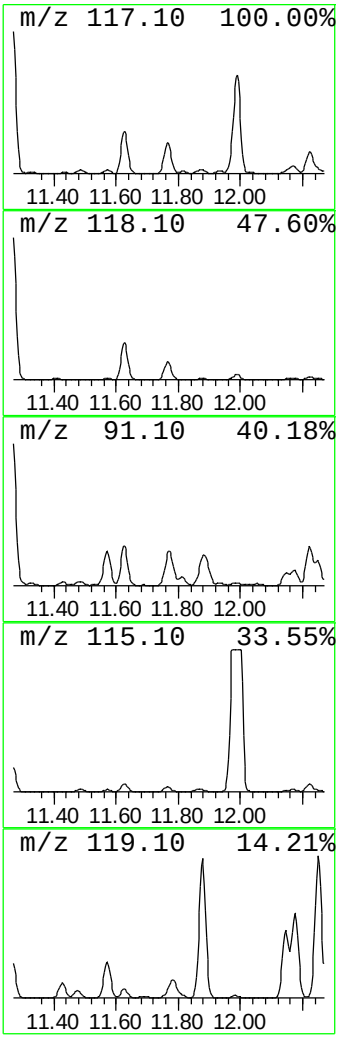
****

Peak Number 19 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	115.73 ug/L	5866390	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80
2	Indane	118	C9H10	000496-11-7	76
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	76
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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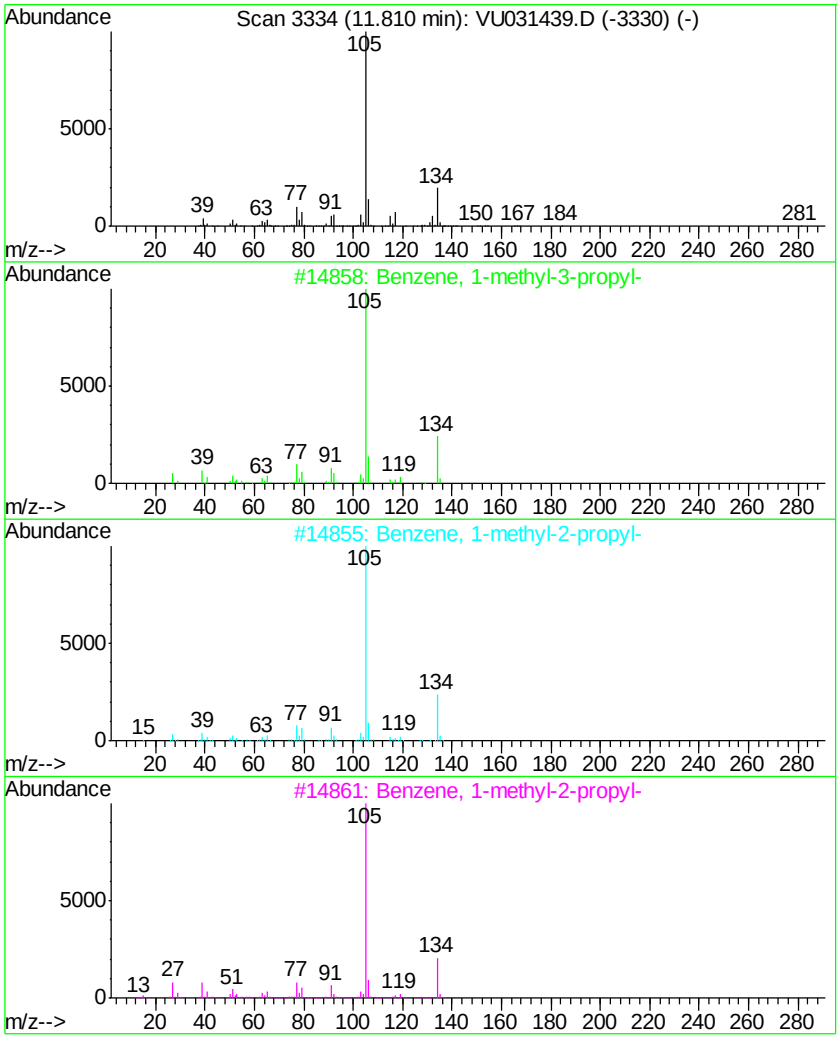
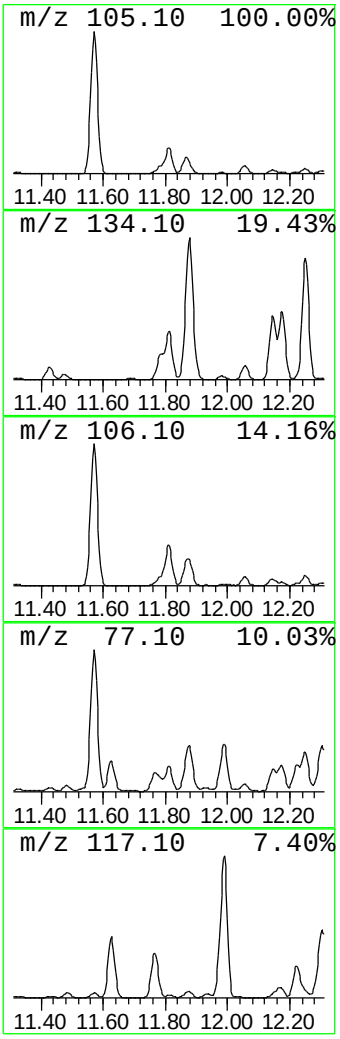
Peak Number 20 Benzene, 1-methyl-3-propyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	36.51 ug/L	1850730	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80





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Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

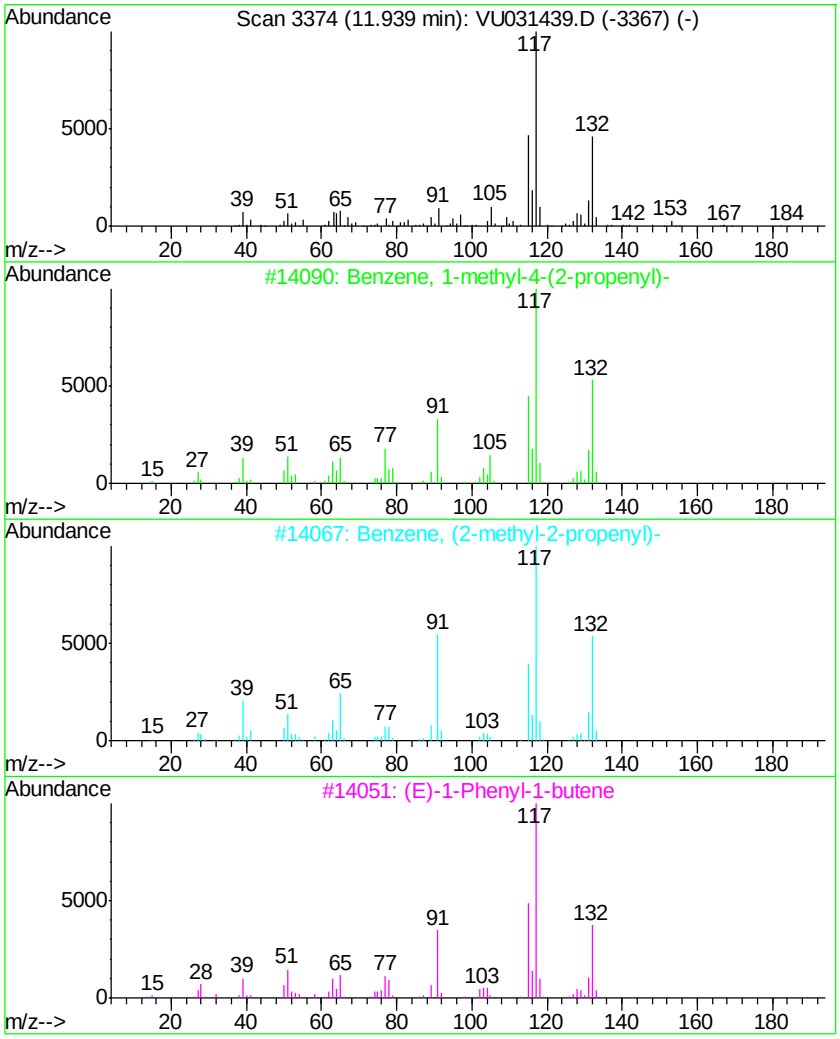
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

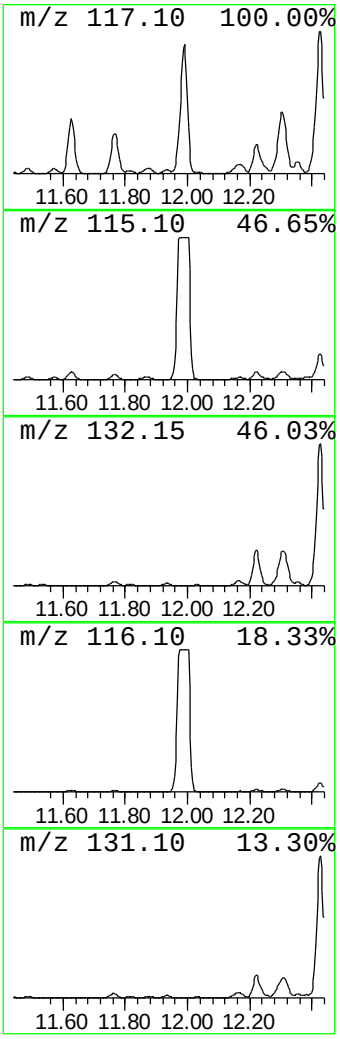
****

Peak Number 21 Benzene, 1-methyl-4-(2-prop... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.06 ug/L	205636	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

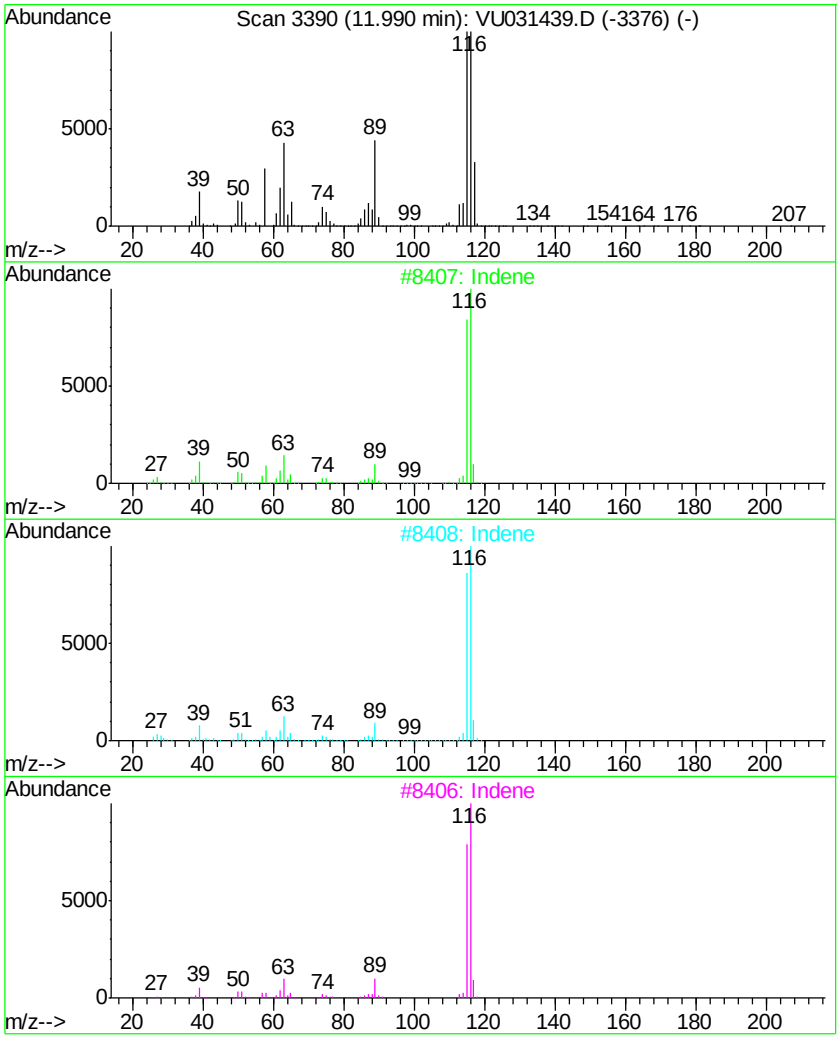
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

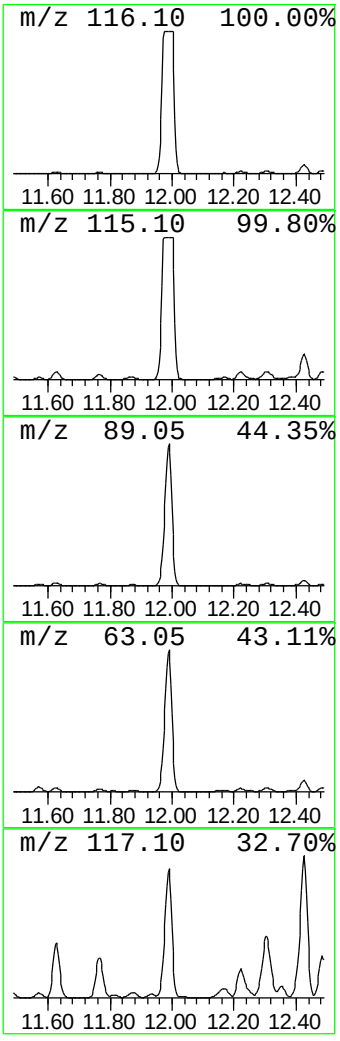
****

Peak Number 22 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2377.93 ug/L	120543000	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	93
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	83
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	83





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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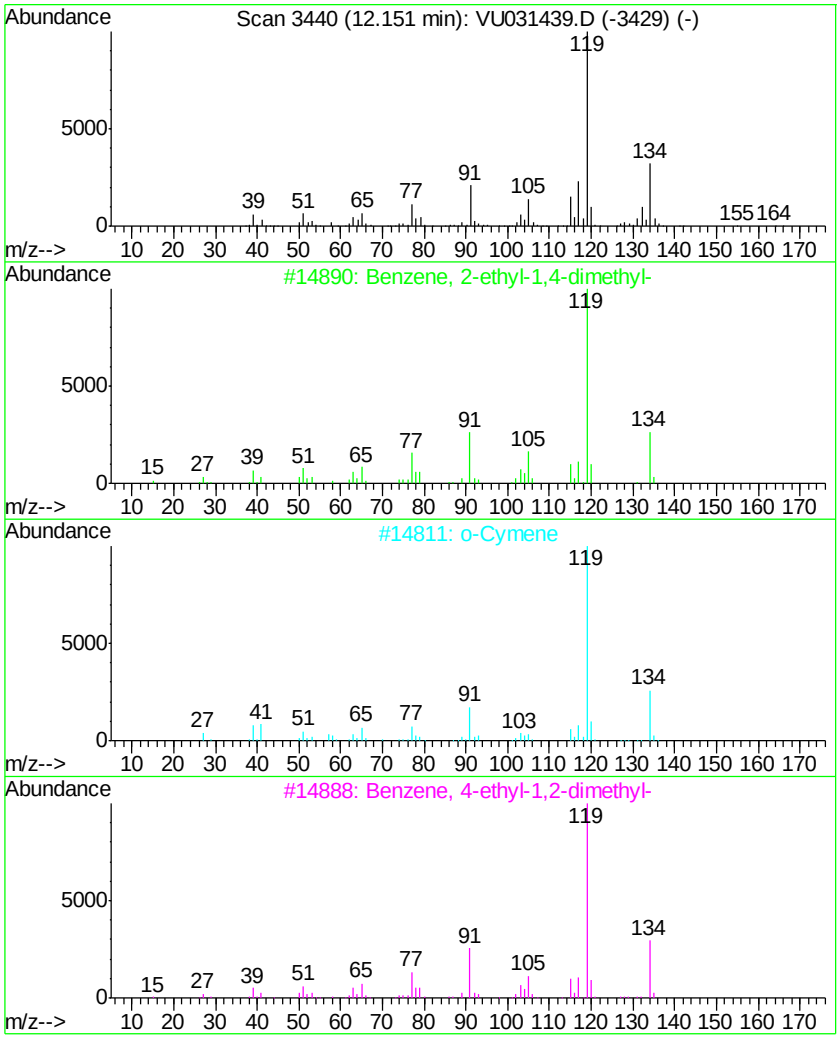
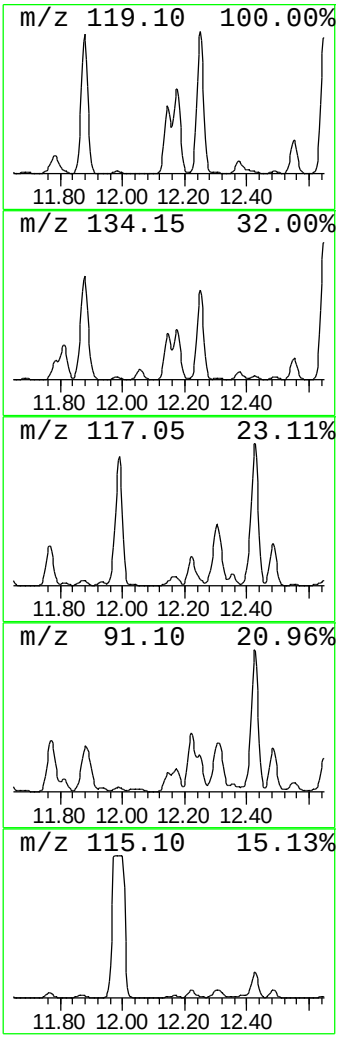
Peak Number 23 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	51.99 ug/L	2635640	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90





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Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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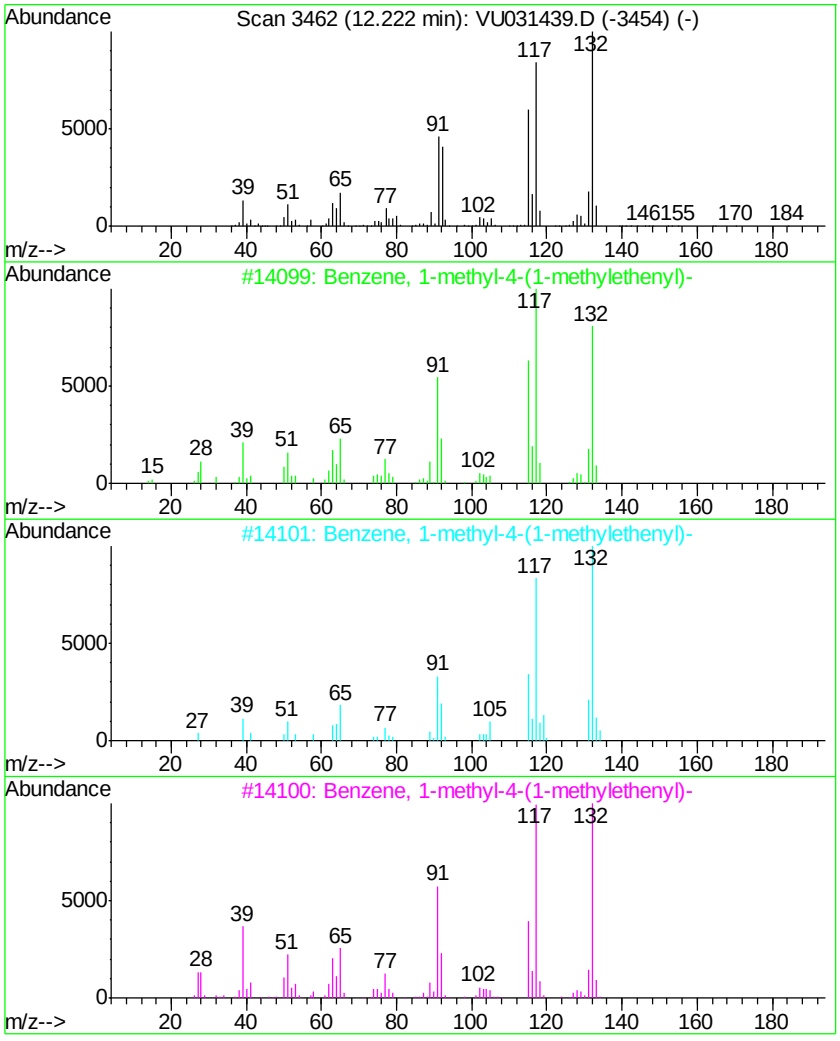
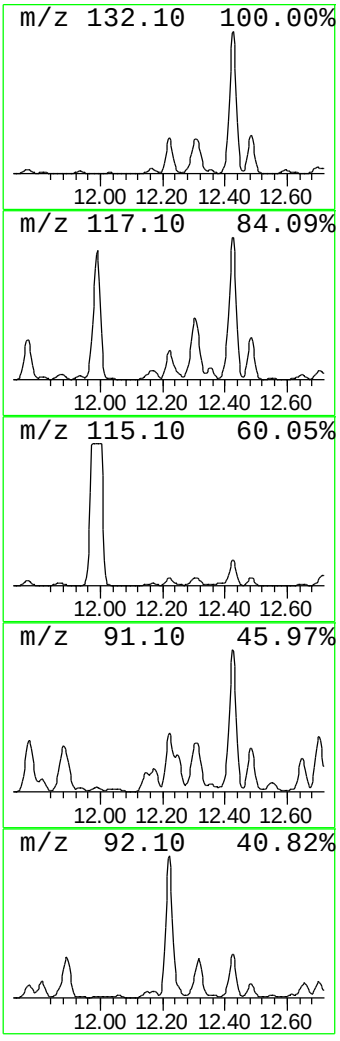
Peak Number 25 Benzene, 1-methyl-4-(1-meth... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	114.99 ug/L	5829010	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	70





Library Search Compound Report

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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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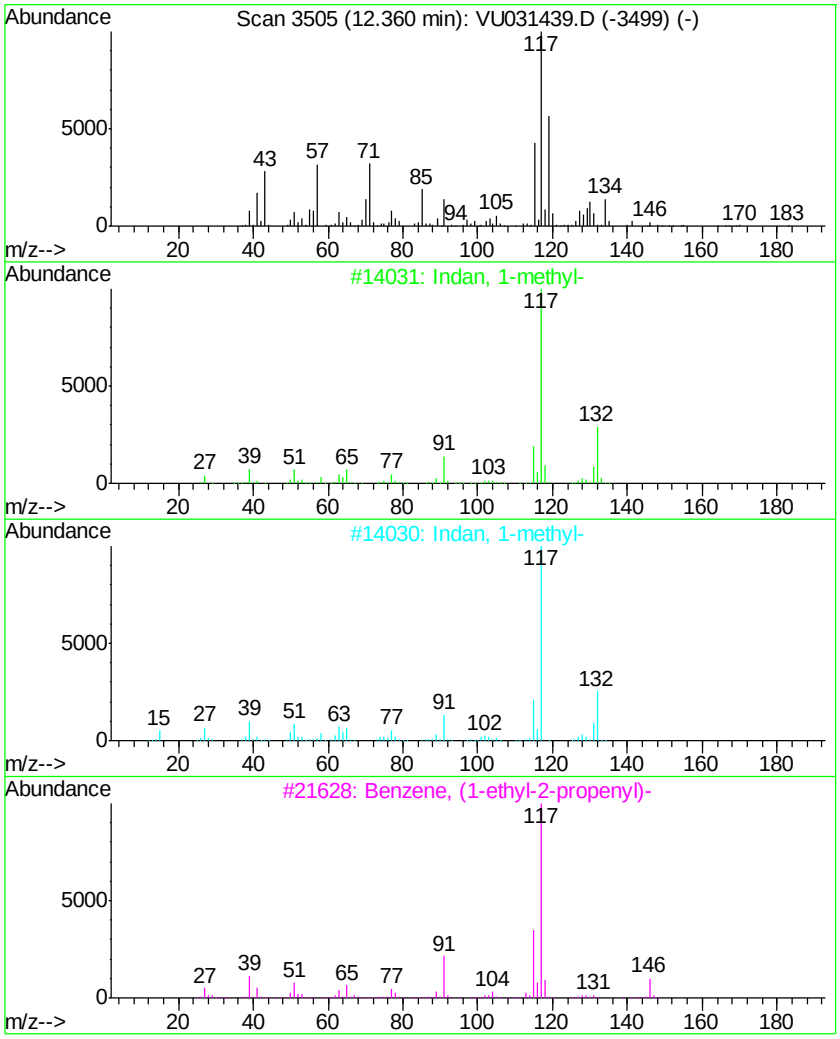
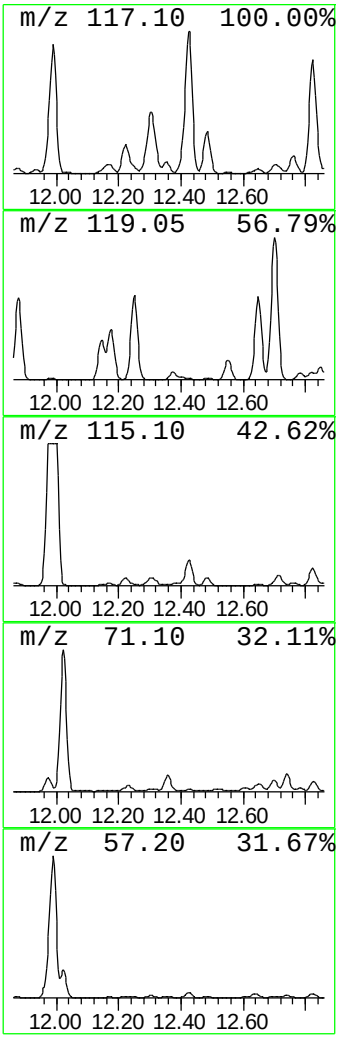
Peak Number 27 unknown-01 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	8.49 ug/L	430490	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	49
2	Indan, 1-methyl-	132	C10H12	000767-58-8	46
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	43
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43
5	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	43





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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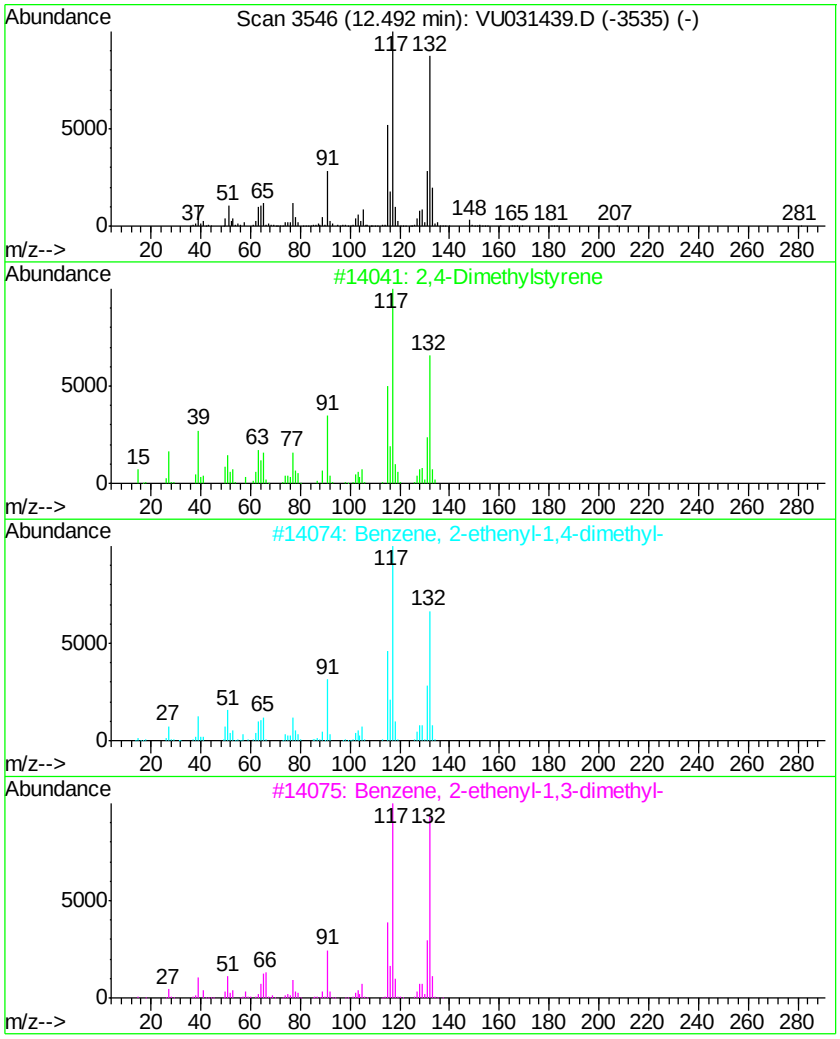
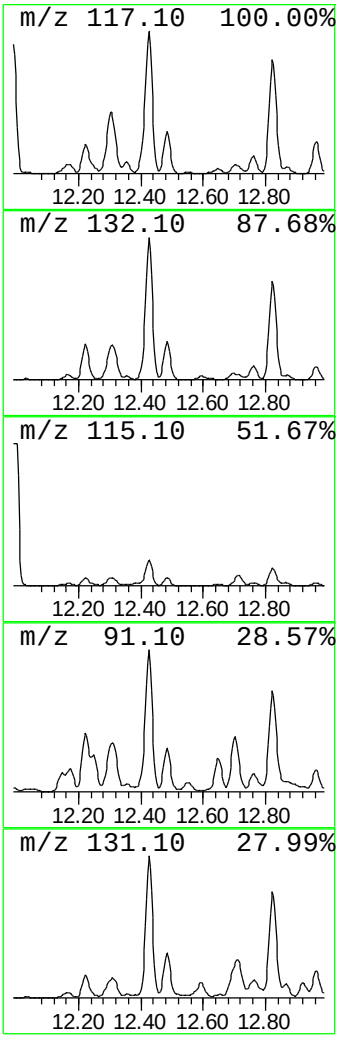
Peak Number 29 2,4-Dimethylstyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	134.72 ug/L	6829400	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	97
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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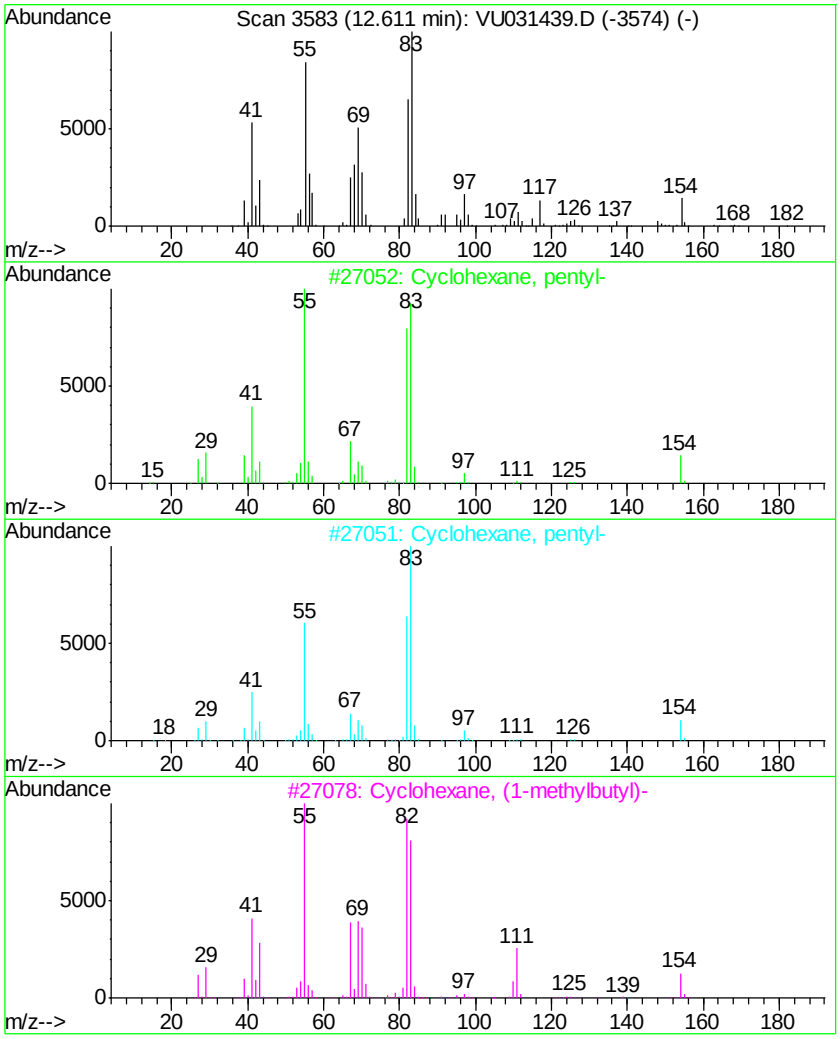
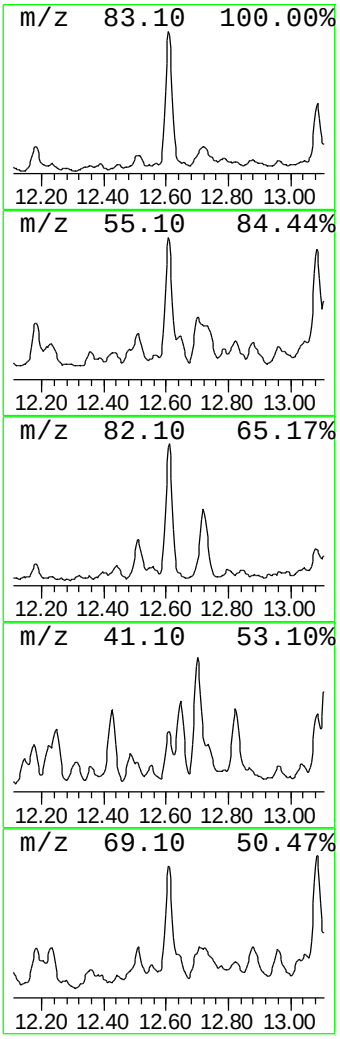
Peak Number 31 (DEL) Alkane: Cyclic12.61 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	13.41 ug/L	680001	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	49
4	2-Octene, 2,3,7-trimethyl-	154	C11H22	033933-75-4	46
5	Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	43





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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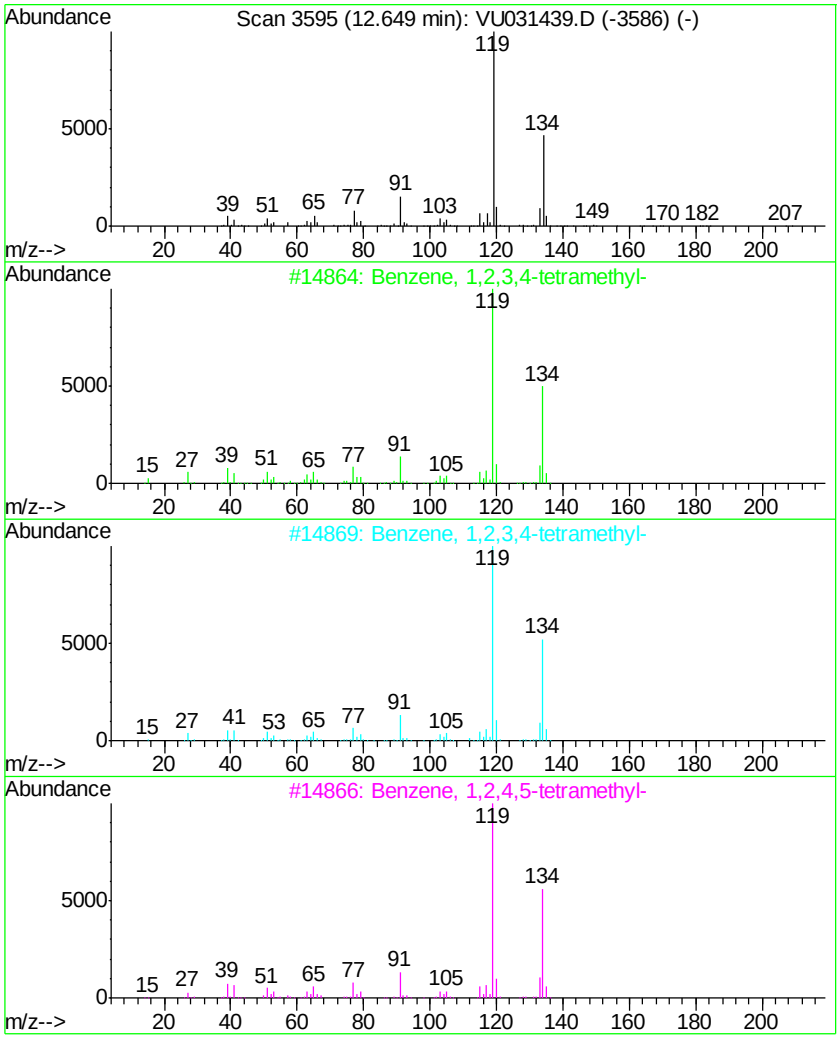
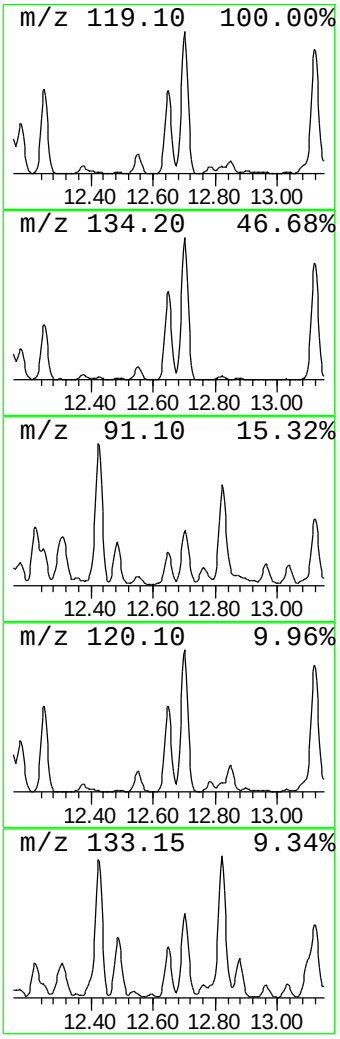
Peak Number 32 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	90.50 ug/L	4587910	1,4-Dichlorobenzene-d4	11.49

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





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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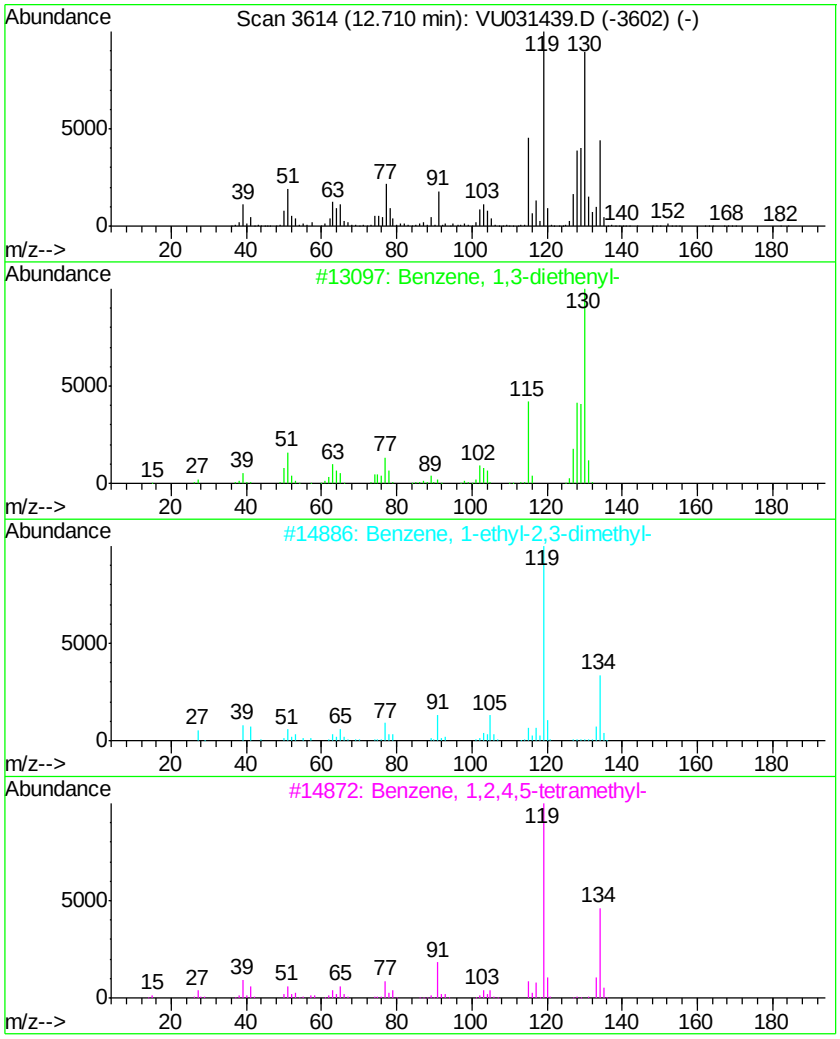
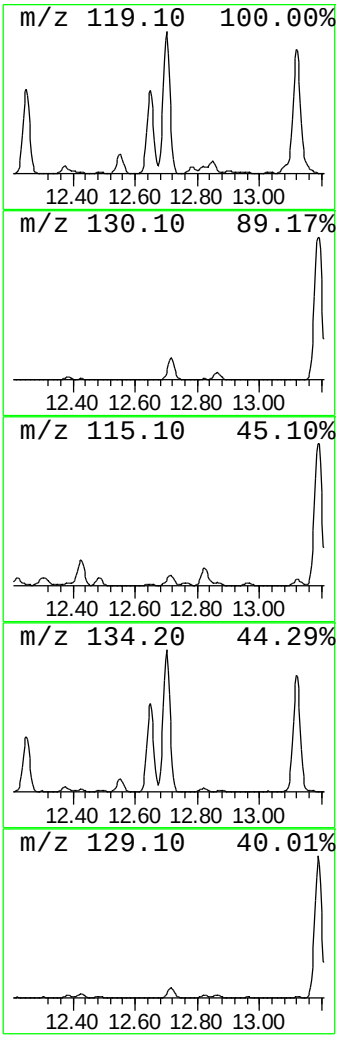
Peak Number 33 Benzene, 1,3-diethenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	339.76 ug/L	17223500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	90
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

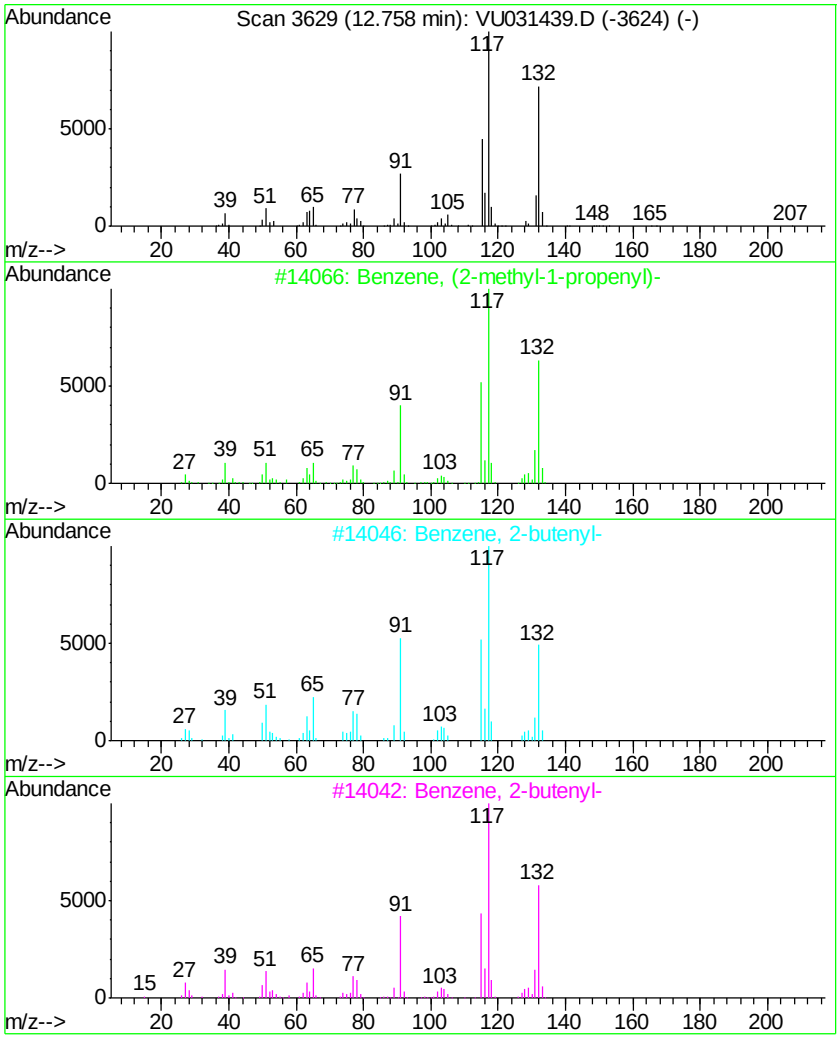
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

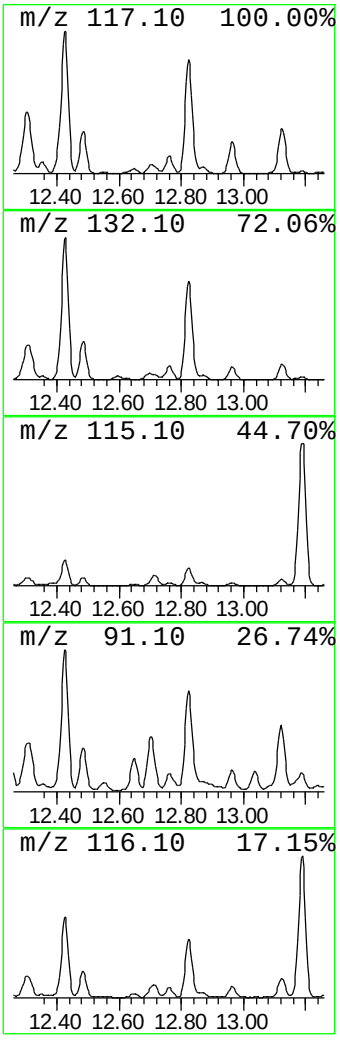
****

Peak Number 34 Benzene, (2-methyl-1-propen... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	34.44 ug/L	1746020	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

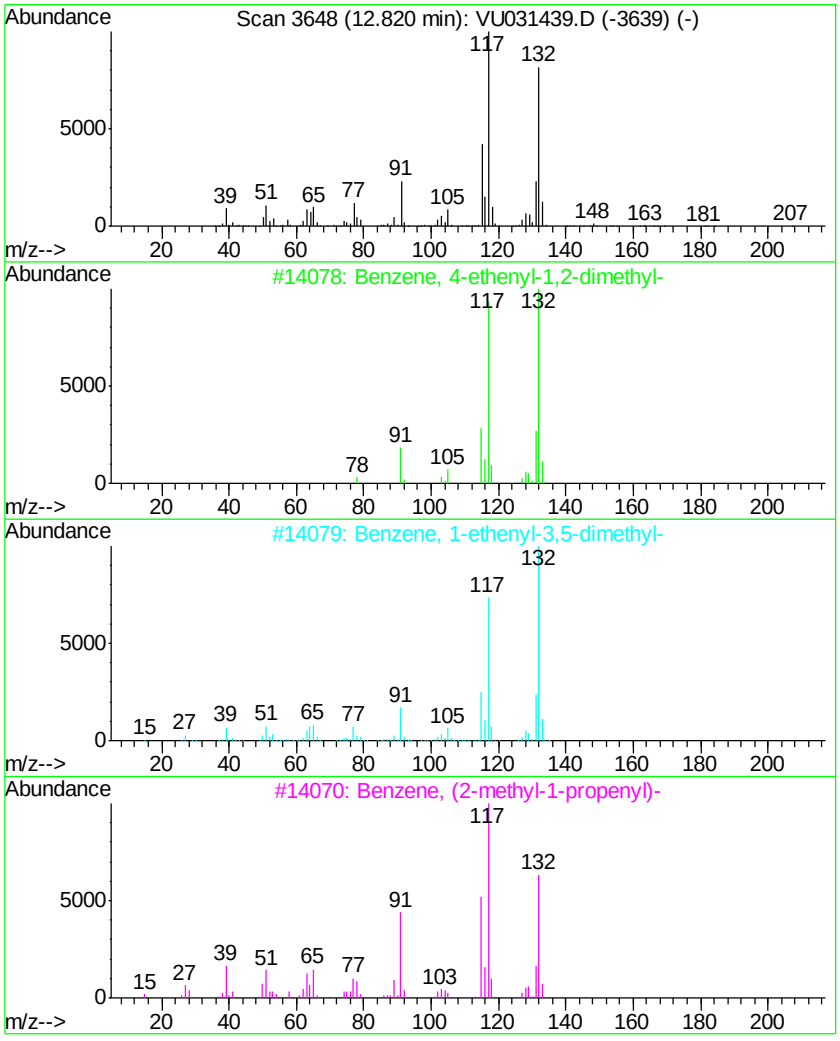
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

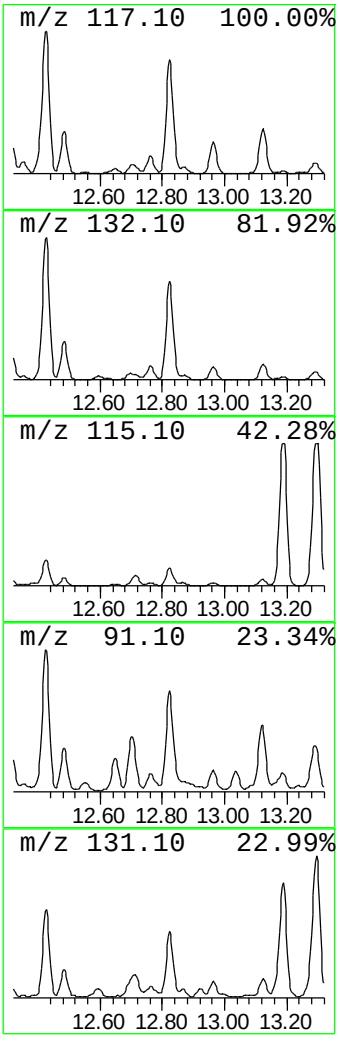
****

Peak Number 35 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	349.91 ug/L	17737900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

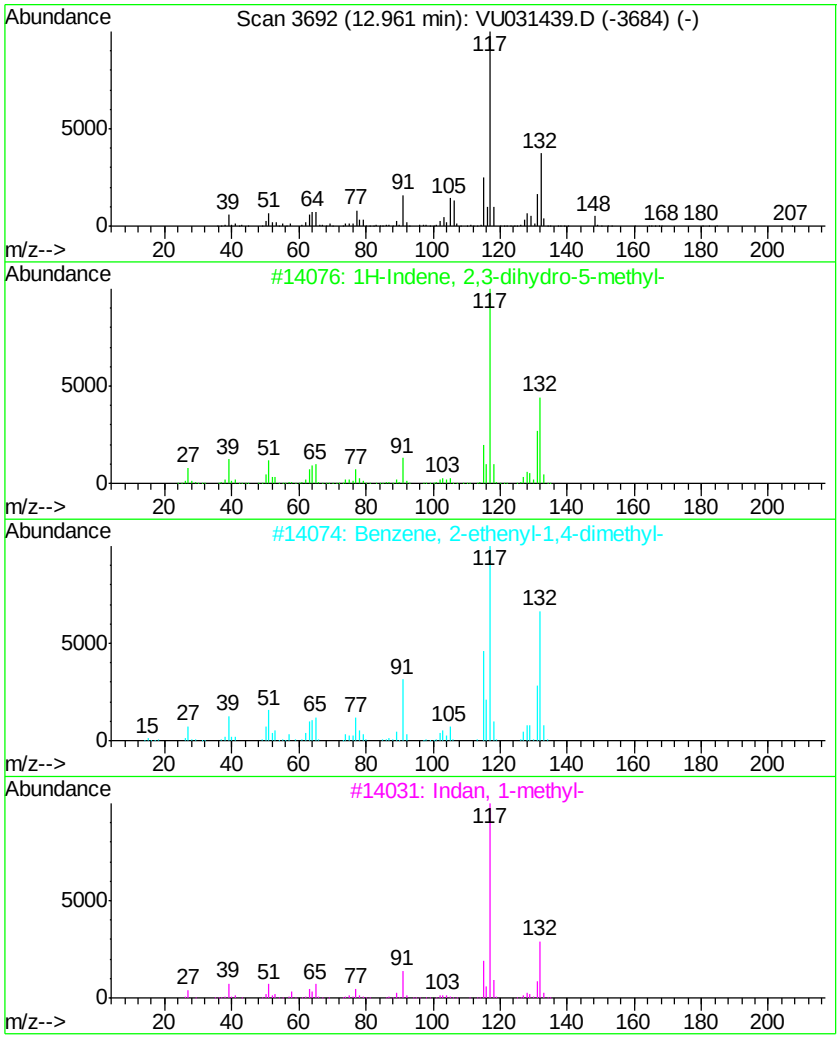
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

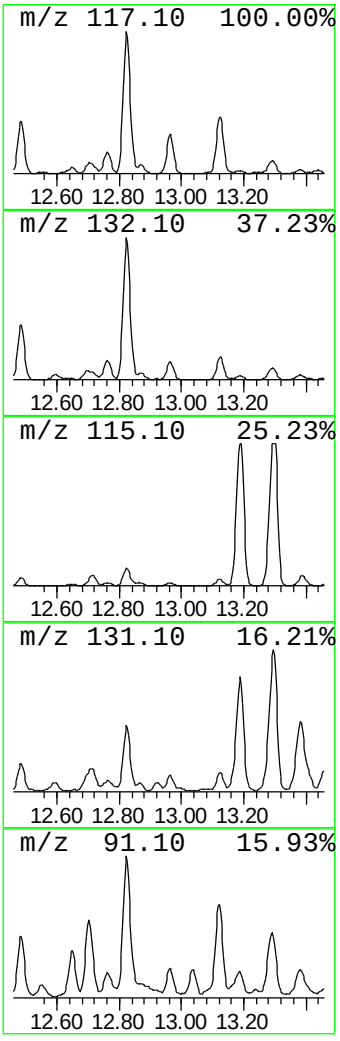
****

Peak Number 36 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	73.27 ug/L	3714460	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

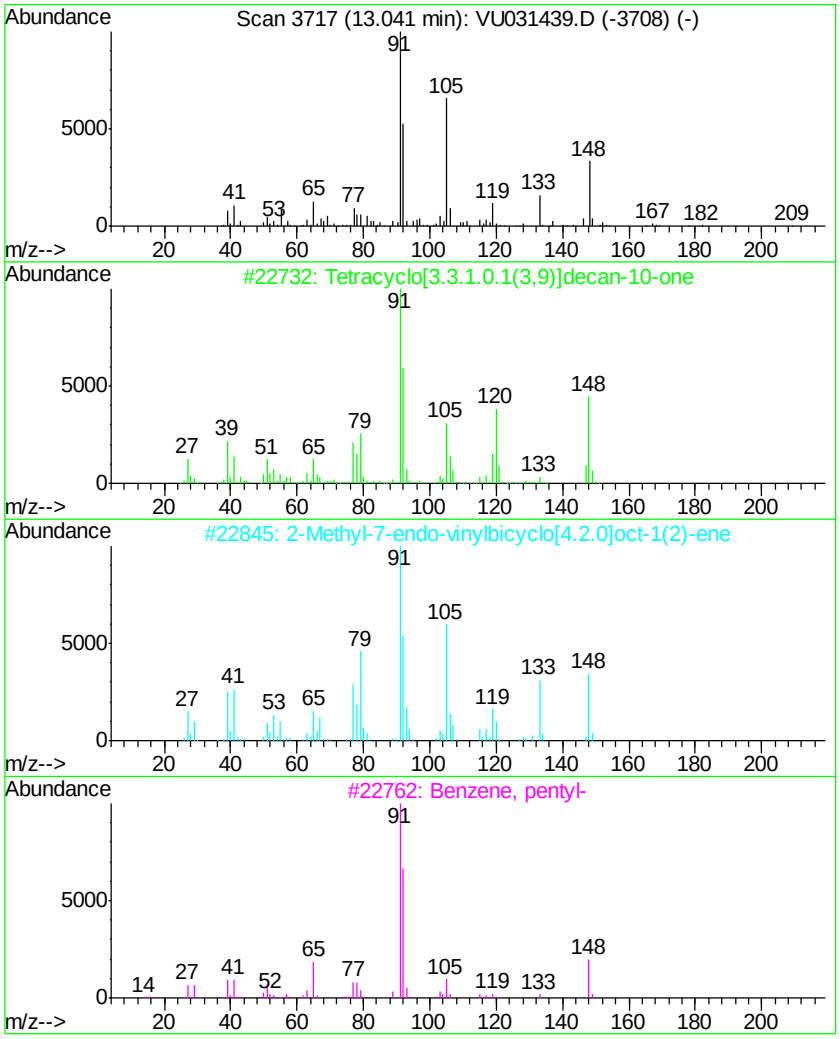
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

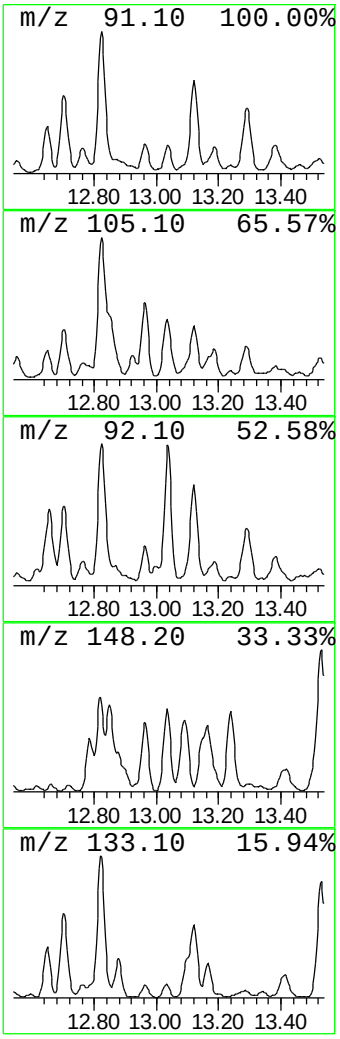
****

Peak Number 37 Tetracyclo[3.3.1.0.1(3,9)]d... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	13.77 ug/L	698187	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	80
2	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	64
3	Benzene, pentyl-	148	C11H16	000538-68-1	50
4	3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	43
5	Benzene, (2-methylbutyl)-	148	C11H16	003968-85-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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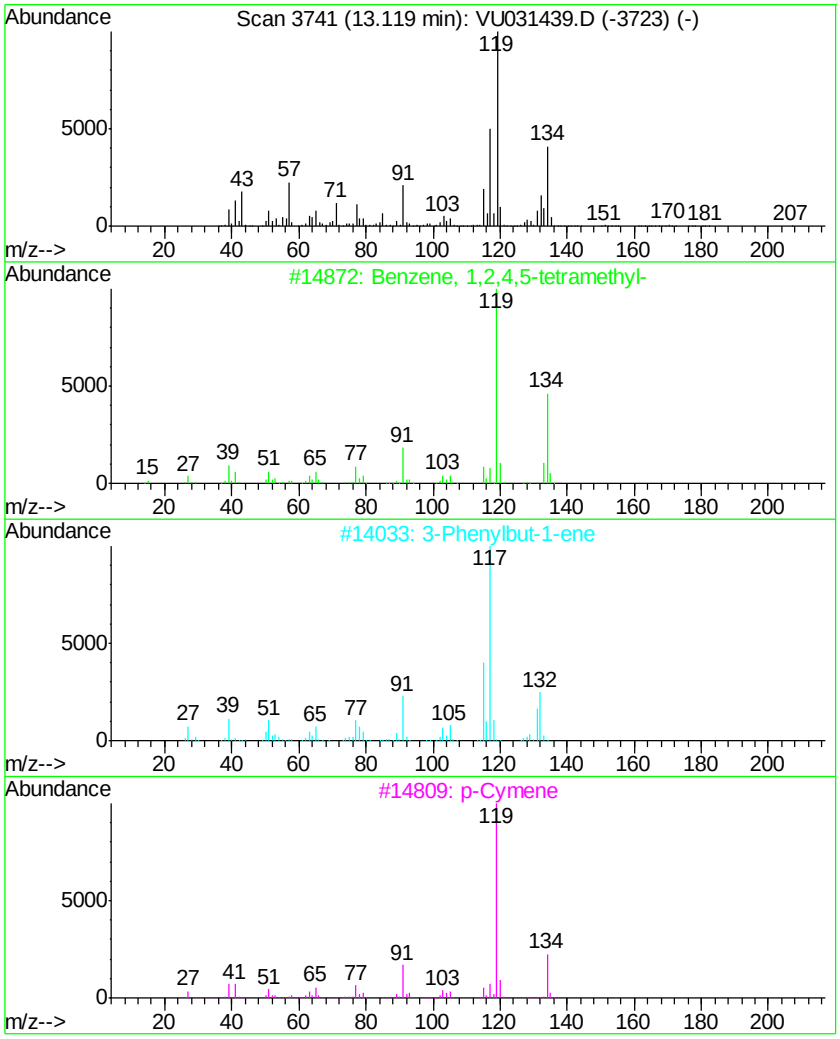
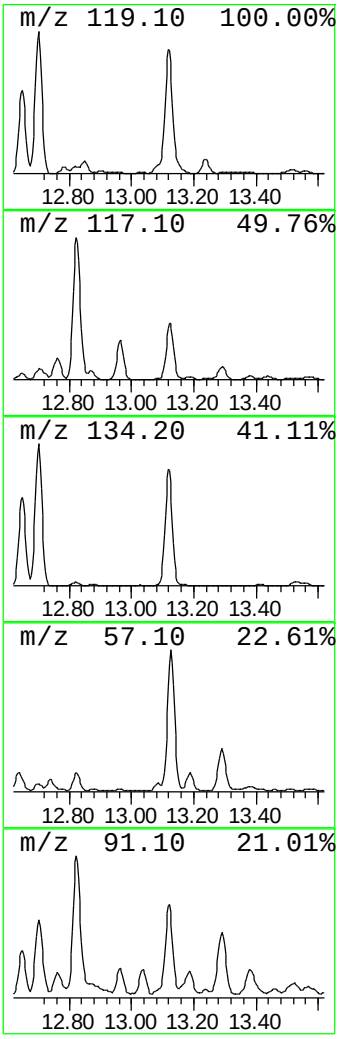
Peak Number 38 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	345.77 ug/L	17527900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	p-Cymene	134	C10H14	000099-87-6	64
4	o-Cymene	134	C10H14	000527-84-4	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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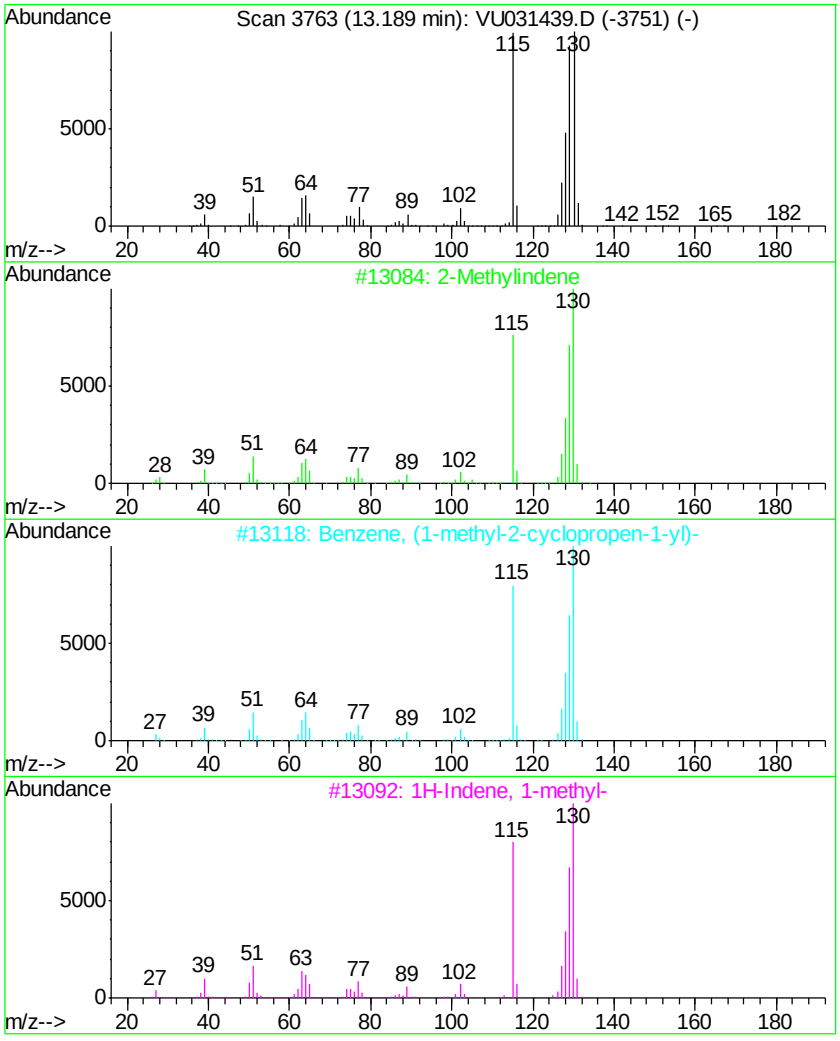
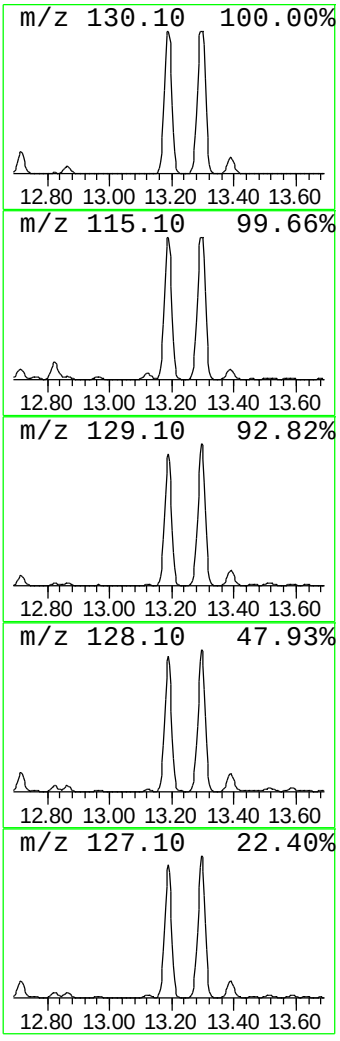
Peak Number 39 2-Methylindene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	1450.48 ug/L	73528500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





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Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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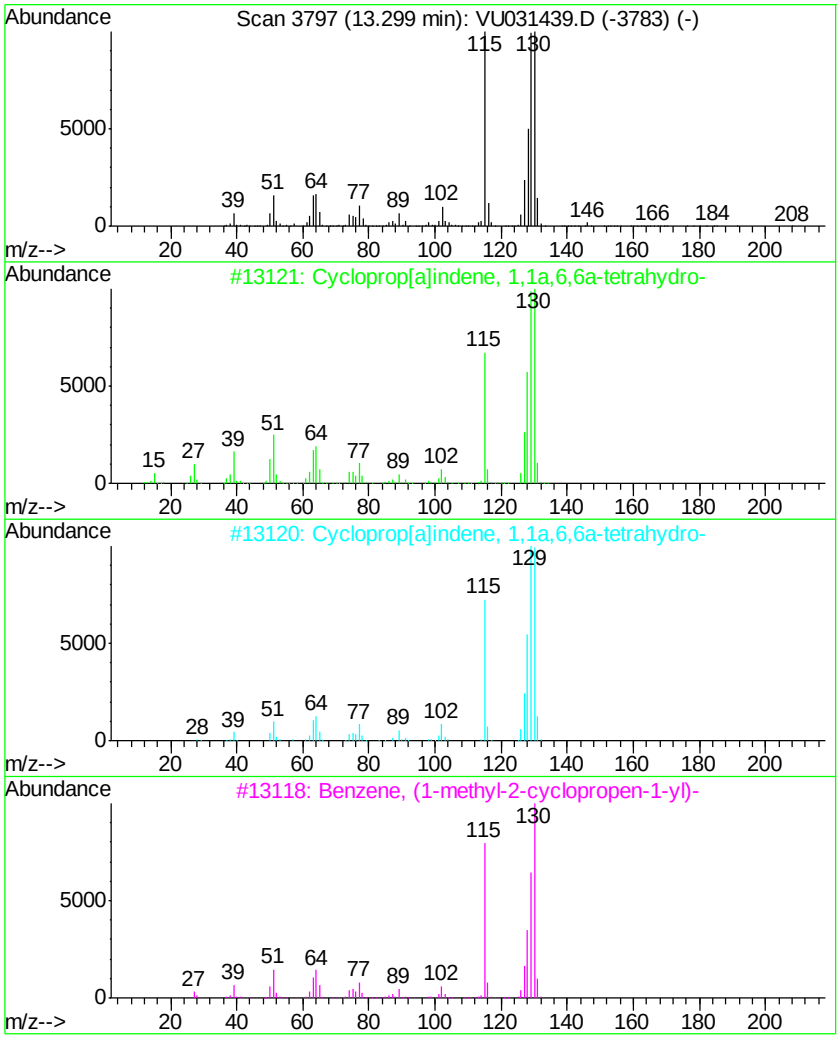
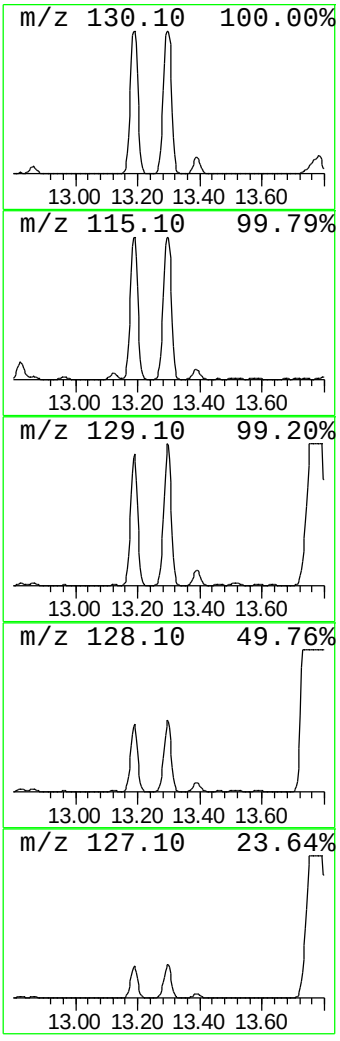
Peak Number 40 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	1723.40 ug/L	87363500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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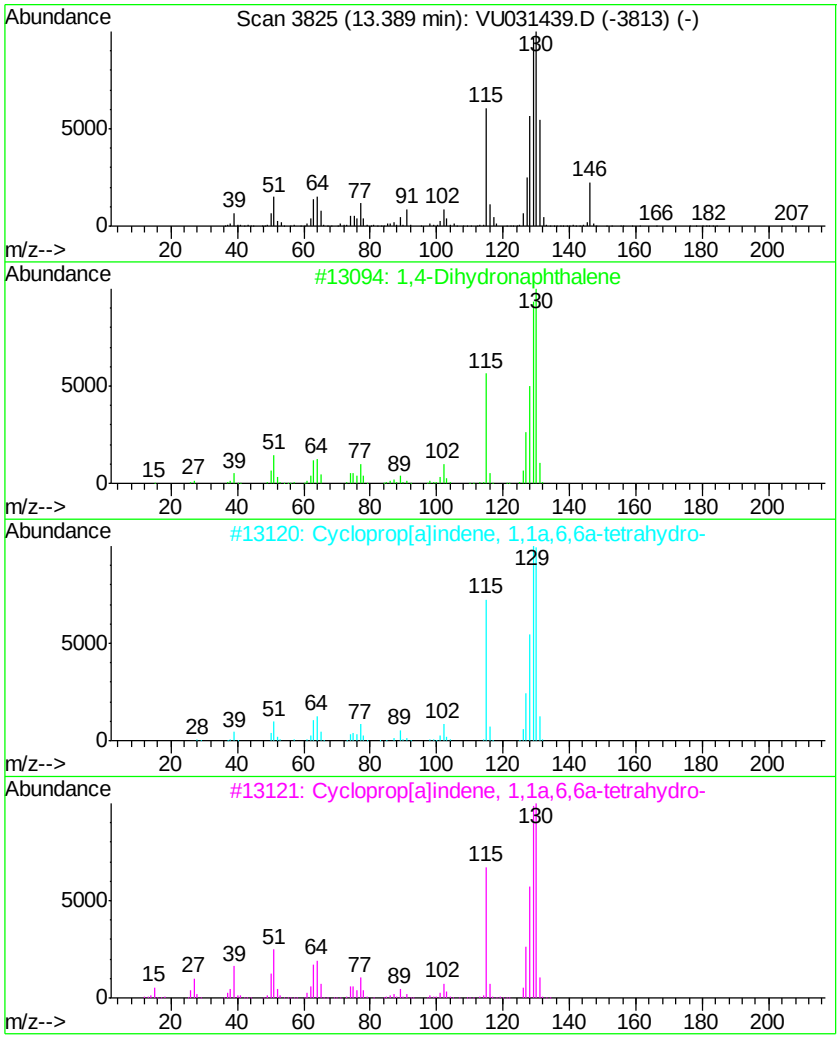
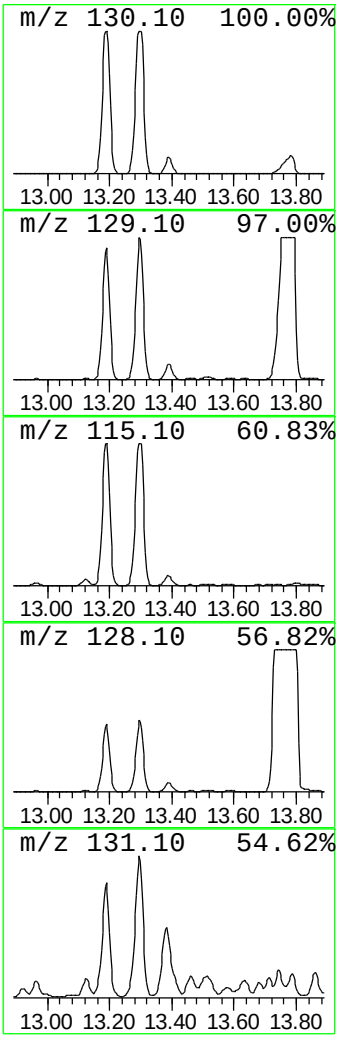
Peak Number 41 1,4-Dihydronaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	208.43 ug/L	10565600	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

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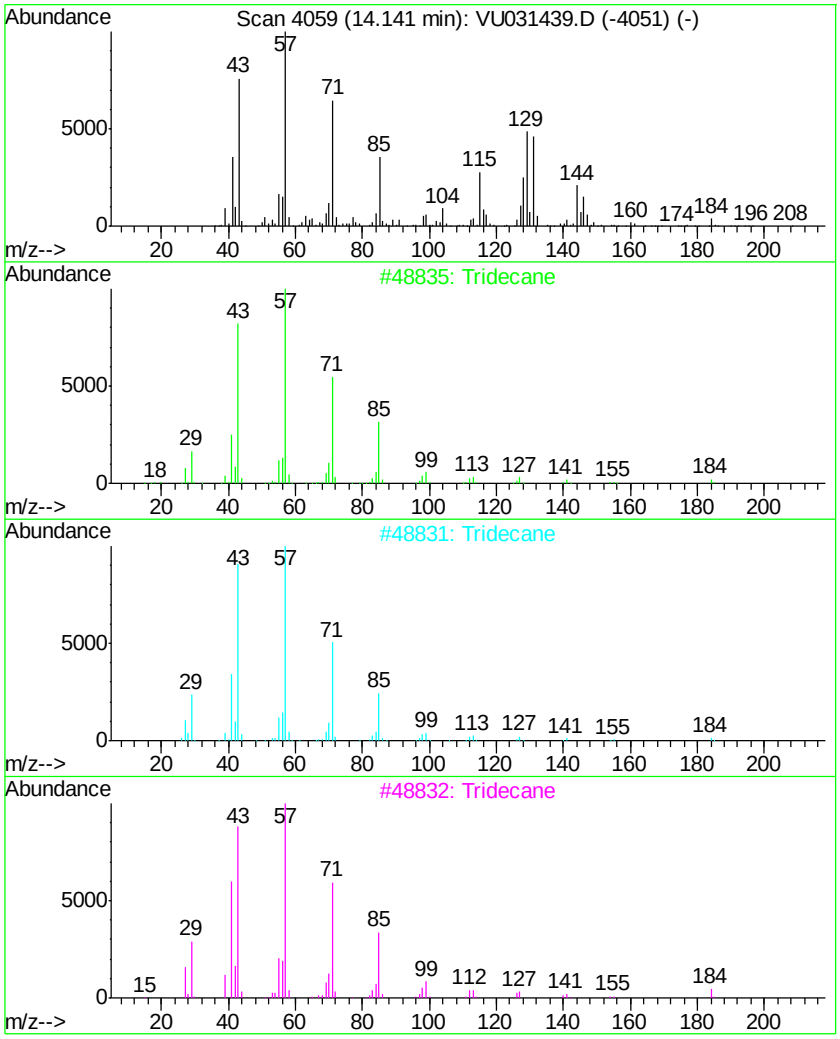
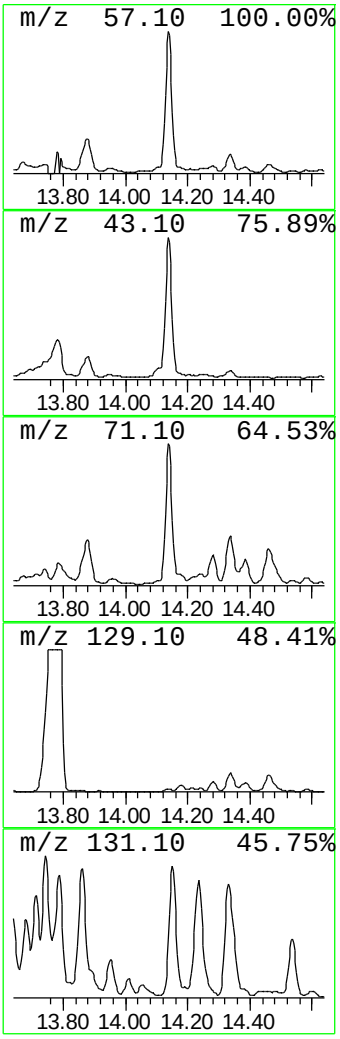
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	72.08 ug/L	3653900	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	68
2	Tridecane	184	C13H28	000629-50-5	35
3	Tridecane	184	C13H28	000629-50-5	25
4	Tridecane	184	C13H28	000629-50-5	25
5	Octadecane	254	C18H38	000593-45-3	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042319\
Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHX0

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	3.28	2.6	ug/L	96359	1	5.88	1861010	50.0
(DEL) Alkane: Str...	5.21	2.7	ug/L	100356	1	5.88	1861010	50.0
(DEL) Alkane: Cyc...	7.72	3.6	ug/L	162005	2	9.09	2227180	50.0
Benzene, 1,1'-(1-...	10.51	4.8	ug/L	240789	3	11.49	2534630	50.0
Benzene, propyl-	10.59	45.1	ug/L	2288220	3	11.49	2534630	50.0
Benzene, 1-ethyl-...	10.68	429.8	ug/L	21786700	3	11.49	2534630	50.0
Benzene, 1,2,3-tr...	10.77	257.2	ug/L	13038400	3	11.49	2534630	50.0
.alpha.-Methylsty...	11.00	225.1	ug/L	11412700	3	11.49	2534630	50.0
Benzene, 1,2,4-tr...	11.15	897.6	ug/L	45499600	3	11.49	2534630	50.0
Benzene, 1-etheny...	11.22	1213.0	ug/L	61491900	3	11.49	2534630	50.0
Benzene, 1-etheny...	11.27	436.1	ug/L	22106900	3	11.49	2534630	50.0
o-Isopropenyltoluene	11.33	9.6	ug/L	485258	3	11.49	2534630	50.0
Benzofuran	11.40	5.8	ug/L	291722	3	11.49	2534630	50.0
o-Cymene	11.43	10.4	ug/L	529861	3	11.49	2534630	50.0
Benzene, 1-propenyl-	11.63	132.3	ug/L	6704260	3	11.49	2534630	50.0
(DEL) Alkane: Str...	11.70	3.1	ug/L	156444	3	11.49	2534630	50.0
Benzene, 1-etheny...	11.77	115.7	ug/L	5866390	3	11.49	2534630	50.0
Benzene, 1-methyl...	11.81	36.5	ug/L	1850730	3	11.49	2534630	50.0
Benzene, 1-methyl...	11.94	4.1	ug/L	205636	3	11.49	2534630	50.0
Indene	11.99	2377.9	ug/L	120543000	3	11.49	2534630	50.0
Benzene, 2-ethyl-...	12.15	52.0	ug/L	2635640	3	11.49	2534630	50.0
Benzene, 1-methyl...	12.22	115.0	ug/L	5829010	3	11.49	2534630	50.0
unknown-01	12.36	8.5	ug/L	430490	3	11.49	2534630	50.0
2,4-Dimethylstyrene	12.49	134.7	ug/L	6829400	3	11.49	2534630	50.0
(DEL) Alkane: Cyc...	12.61	13.4	ug/L	680001	3	11.49	2534630	50.0
Benzene, 1,2,3,4-...	12.65	90.5	ug/L	4587910	3	11.49	2534630	50.0
Benzene, 1,3-diet...	12.71	339.8	ug/L	17223500	3	11.49	2534630	50.0
Benzene, (2-methy...	12.76	34.4	ug/L	1746020	3	11.49	2534630	50.0
Benzene, 4-etheny...	12.82	349.9	ug/L	17737900	3	11.49	2534630	50.0
1H-Indene, 2,3-di...	12.96	73.3	ug/L	3714460	3	11.49	2534630	50.0
Tetracyclo[3.3.1....	13.04	13.8	ug/L	698187	3	11.49	2534630	50.0
Benzene, 1,2,4,5-...	13.12	345.8	ug/L	17527900	3	11.49	2534630	50.0
2-Methylindene	13.19	1450.5	ug/L	73528500	3	11.49	2534630	50.0
Cycloprop[a]inden...	13.30	1723.4	ug/L	87363500	3	11.49	2534630	50.0
1,4-Dihydronaphth...	13.39	208.4	ug/L	10565600	3	11.49	2534630	50.0
(DEL) Alkane: Str...	14.14	72.1	ug/L	3653900	3	11.49	2534630	50.0