LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	23	28	37	rVB3	13218	14166	0.01%	0.005%
2	1.396	88	95	109	rVB	243196	271357	0.27%	0.103%
3	1.679	176	183	197	rBV	200967	270170	0.27%	0.103%
4	2.264	354	365	379	rVB	460520	713520	0.71%	0.272%
5	2.469	425	429	437	rVB8	1938	2431	0.00%	0.001%
6	2.521	441	445	452	rBV6	1644	2353	0.00%	0.001%
7	2.698	493	500	505	rBV6	6114	9321	0.01%	0.004%
8	2.987	577	590	606	rBV4	7851	17799	0.02%	0.007%
9	3.296	674	686	698	rBV5	7699	16765	0.02%	0.006%
10	3.981	885	899	901	rBV4	5480	8810	0.01%	0.003%
11	4.080	918	930	948	rVB5	10847	27777	0.03%	0.011%
12	4.209	955	970	1015	rBV2	123115	557545	0.55%	0.212%
13	4.643	1088	1105	1132	rBV	316977	786014	0.78%	0.299%
14	4.981	1197	1210	1226	rBV7	13071	33292	0.03%	0.013%
15	5.074	1226	1239	1259	rVB7	14277	38667	0.04%	0.015%
16	5.212	1271	1282	1295	rBV6	9651	23164	0.02%	0.009%
17	5.334	1298	1320	1354	rBV2	701117	2087726	2.08%	0.794%
18	5.537	1372	1383	1398	rVB4	20051	53980	0.05%	0.021%
19	5.617	1398	1408	1418	rVB7	7869	15476	0.02%	0.006%
20	5.788	1449	1461	1470	rVB9	5572	11560	0.01%	0.004%
21	5.884	1476	1491	1524	rBV	678535	1476678	1.47%	0.562%
22	6.180	1577	1583	1587	rBV7	3351	4469	0.00%	0.002%
23	6.328	1614	1629	1645	rBV	437639	921118	0.92%	0.351%
24	6.530	1687	1692	1700	rVB6	4195	5559	0.01%	0.002%
25	6.727	1746	1753	1754	rBV3	2933	2993	0.00%	0.001%
26	6.919	1797	1813	1827	rBV3	8234	22973	0.02%	0.009%
27	7.045	1843	1852	1862	rBV7	4426	8704	0.01%	0.003%
28	7.180	1883	1894	1897	rBV7	4456	6911	0.01%	0.003%
29	7.228	1897	1909	1936	rVV2	229263	450496	0.45%	0.171%
30	7.563	1990	2013	2029	rBV	767577	1463606	1.46%	0.557%
31	7.852	2086	2103	2119	rBV2	123847	245956	0.24%	0.094%
32	8.090	2172	2177	2181	rBV4	2066	1929	0.00%	0.001%
33	8.321	2237	2249	2284	rBV	464591	979263	0.97%	0.373%
34	8.743	2374	2380	2393	rBV9	3370	6768	0.01%	0.003%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

35	8.810	2393	2401	2406	rBV8	1884	2993	0.00%	0.001%
36	8.910	2425	2432	2438	rVB6	4294	7432	0.01%	0.003%
37	9.029	2458	2469	2475	rBV10	5235	9102	0.01%	0.003%
38	9.087	2475	2487	2513	rBV	808395	1444540	1.44%	0.550%
39	9.251	2529	2538	2559	rVB	45510	81625	0.08%	0.031%
40	9.373	2564	2576	2595	rBV	718476	1293651	1.29%	0.492%
41	9.553	2627	2632	2633	rBV4	3060	2327	0.00%	0.001%
42	9.717	2679	2683	2690	rVV9	4612	5996	0.01%	0.002%
43	9.778	2690	2702	2730	rVV5	483821	993761	0.99%	0.378%
44	9.923	2739	2747	2748	rBV7	2902	3094	0.00%	0.001%
45	9.948	2750	2755	2766	rVB8	10574	16569	0.02%	0.006%
46	10.038	2778	2783	2785	rBV4	6910	6668	0.01%	0.003%
47	10.164	2813	2822	2830	rBV4	14008	23656	0.02%	0.009%
48	10.431	2894	2905	2918	rBV	535684	874323	0.87%	0.333%
49	10.588	2943	2954	2965	rBV	57458	96456	0.10%	0.037%
50	10.678	2972	2982	2999	rBV	286669	646872	0.64%	0.246%
51	10.768	2999	3010	3020	rBV	441585	722066	0.72%	0.275%
52	10.971	3063	3073	3092	rBV2	124675	301693	0.30%	0.115%
53	11.144	3111	3127	3139	rBV	1513897	2398057	2.39%	0.913%
54	11.215	3139	3149	3157	rVV	587723	882661	0.88%	0.336%
55	11.263	3158	3164	3177	rVB	222541	336502	0.33%	0.128%
56	11.482	3222	3232	3249	rBV	954823	1527681	1.52%	0.581%
57	11.566	3250	3258	3268	rVV	521859	801280	0.80%	0.305%
58	11.623	3268	3276	3293	rVB	325498	513925	0.51%	0.196%
59	11.762	3309	3319	3328	rBV2	297883	524335	0.52%	0.200%
60	11.858	3339	3349	3365	rVB3	879009	1600759	1.59%	0.609%
61	11.977	3375	3386	3398	rBV	5106257	7950310	7.91%	3.025%
62	12.144	3430	3438	3441	rBV	95159	129832	0.13%	0.049%
63	12.247	3456	3470	3478	rBV4	160663	348660	0.35%	0.133%
64	12.424	3517	3525	3535	rVB	341042	518422	0.52%	0.197%
65	12.485	3536	3544	3557	rBV2	89297	155670	0.15%	0.059%
66	12.646	3588	3594	3602	rVB	165739	232327	0.23%	0.088%
67	12.701	3602	3611	3624	rBV	457134	804485	0.80%	0.306%
68	12.823	3641	3649	3660	rBV2	280053	529571	0.53%	0.202%
69	12.961	3685	3692	3705	rVB3	168786	258099	0.26%	0.098%
70	13.083	3723	3730	3732	rBV3	75938	91214	0.09%	0.035%
71	13.119	3733	3741	3750	rVV3	707077	1123288	1.12%	0.427%

LSC Area Percent Report

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Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

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\SOMULM041719WMA.M
Title : VOC Analysis

72	13.183	3751	3761	3773	rVB	2128375	3209166	3.19%	1.221%
73	13.289	3782	3794	3810	rVB	2436714	4010195	3.99%	1.526%
74	13.385	3814	3824	3838	rVB2	334778	623608	0.62%	0.237%
75	13.749	3921	3937	3961	rBV2	54305922	100525673	100.00%	38.253%
76	13.858	3963	3971	3992	rVB	588170	1007185	1.00%	0.383%
77	14.141	4052	4059	4065	rBV5	125643	197403	0.20%	0.075%
78	14.337	4111	4120	4128	rBV2	368286	643113	0.64%	0.245%
79	14.585	4190	4197	4210	rVB4	110384	179276	0.18%	0.068%
80	14.729	4235	4242	4257	rVB	203539	370846	0.37%	0.141%
81	14.816	4262	4269	4275	rVV	210530	320813	0.32%	0.122%
82	14.877	4275	4288	4311	rVB	28373131	44570302	44.34%	16.960%
83	14.987	4316	4322	4331	rVV	154545	245946	0.24%	0.094%
84	15.061	4332	4345	4363	rVV	16913273	26660927	26.52%	10.145%
85	15.601	4503	4513	4525	rBV	3132418	4837082	4.81%	1.841%
86	15.794	4567	4573	4580	rBV	591759	761354	0.76%	0.290%
87	15.909	4597	4609	4631	rBV	3949612	6929036	6.89%	2.637%
88	16.057	4644	4655	4661	rBV	5373093	8522594	8.48%	3.243%
89	16.093	4662	4666	4680	rVB	2781942	3857037	3.84%	1.468%
90	16.186	4686	4695	4707	rVB	942742	1484860	1.48%	0.565%
91	16.282	4708	4725	4747	rVB	1537265	3911580	3.89%	1.488%
92	16.427	4761	4770	4788	rBV	931015	1506455	1.50%	0.573%
93	16.524	4789	4800	4818	rVB3	2233088	4284456	4.26%	1.630%
94	16.626	4826	4832	4844	rVB2	461581	727808	0.72%	0.277%
95	16.733	4856	4865	4872	rBV	650942	1098204	1.09%	0.418%
96	16.967	4933	4938	4945	rVB	520300	677330	0.67%	0.258%
97	17.015	4946	4953	4976	rVB3	661052	1473073	1.47%	0.561%
98	17.163	4990	4999	5009	rVB2	744393	1168099	1.16%	0.444%
99	17.224	5010	5018	5029	rVB	438721	663180	0.66%	0.252%
100	17.527	5103	5112	5125	rVB4	259775	505910	0.50%	0.193%

Sum of corrected areas: 262791729

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
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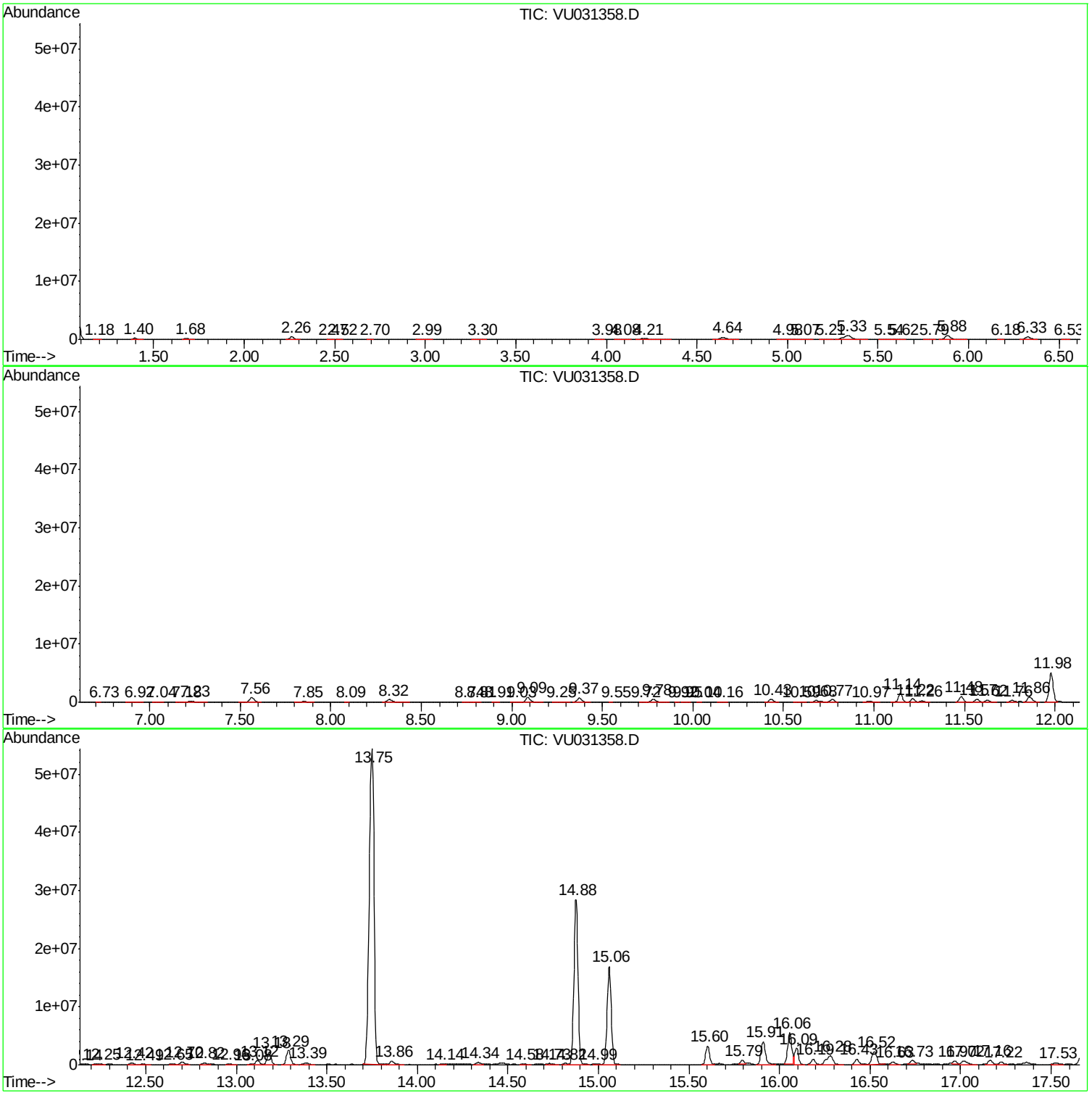
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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\VU042019\
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Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

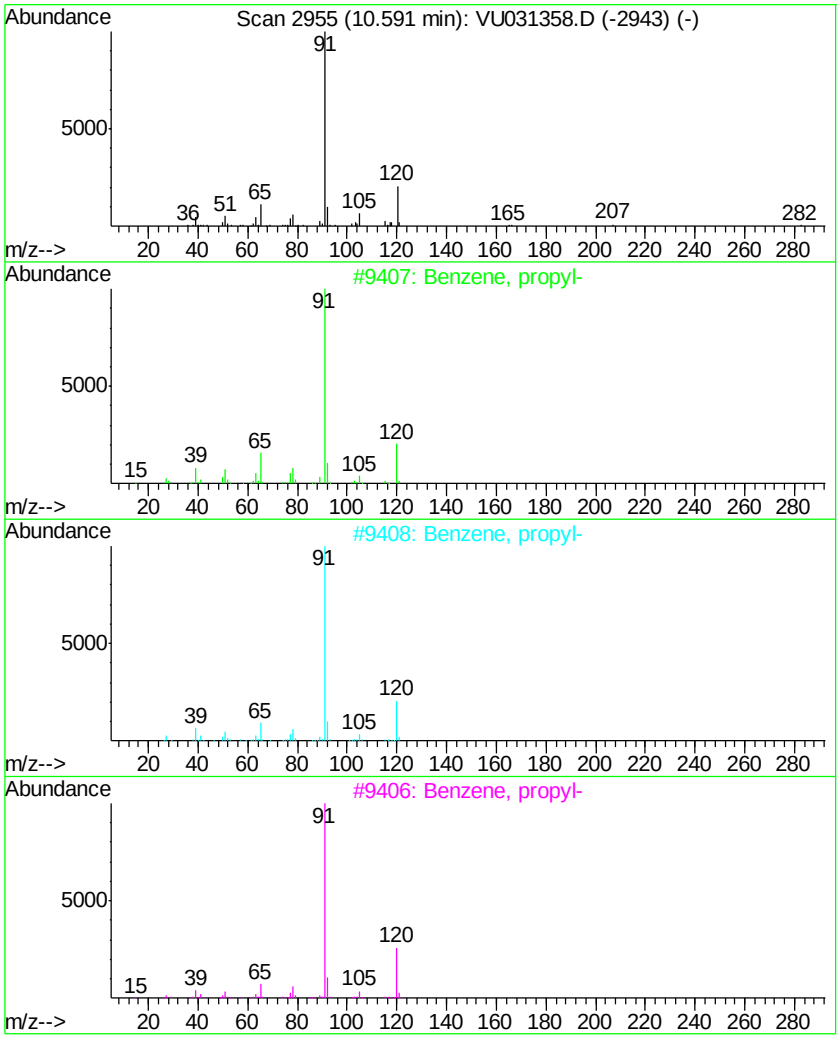
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

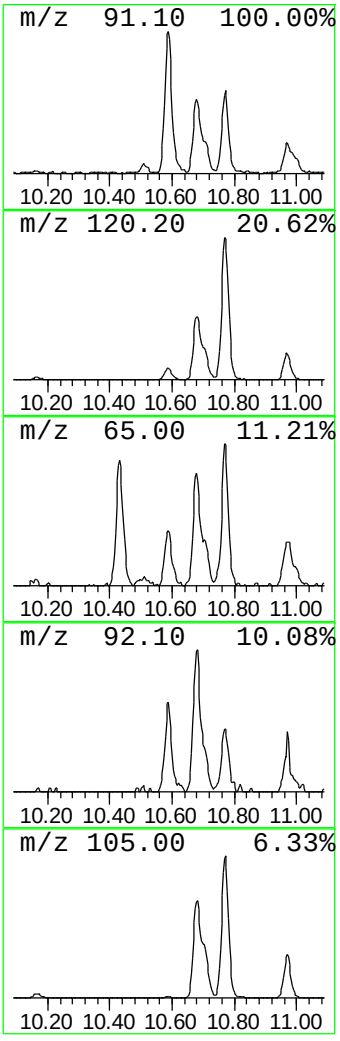
****

Peak Number 2 Benzene, propyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.16 ug/L	96456	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





Library Search Compound Report

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Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

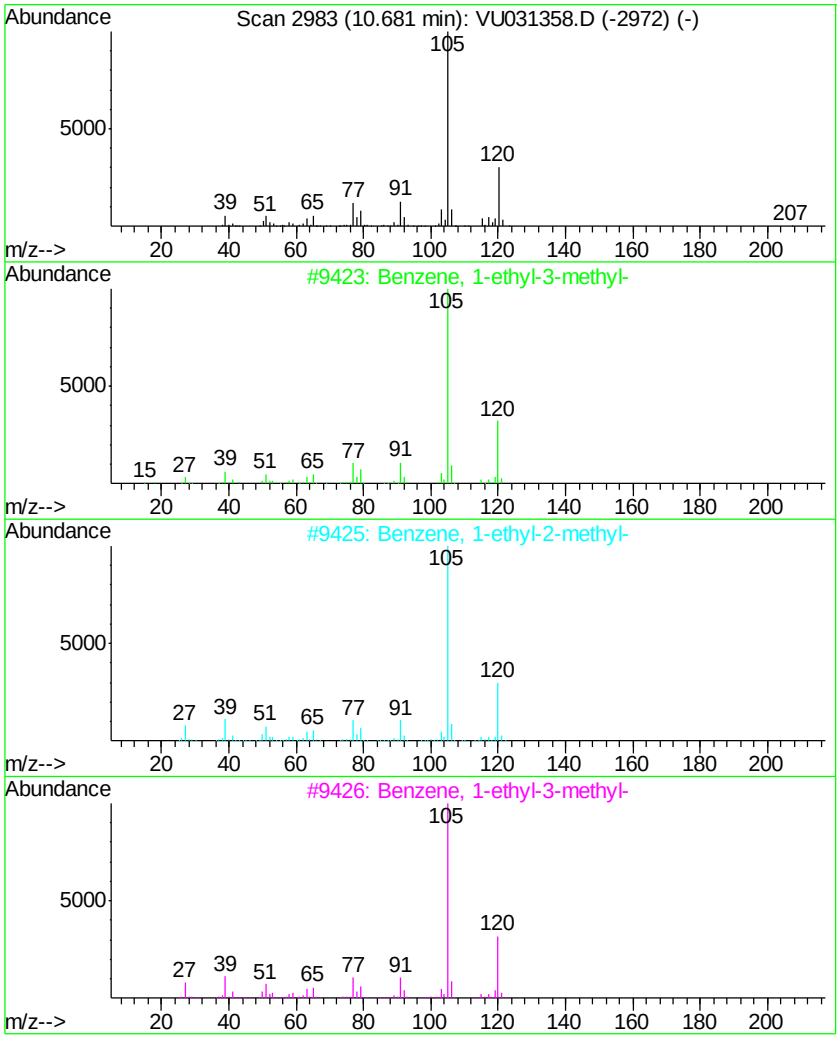
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

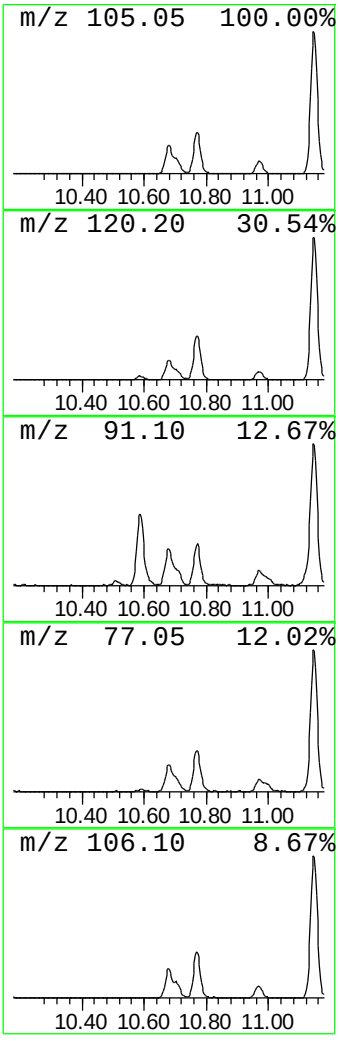
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	21.17 ug/L	646872	1,4-Dichlorobenzene-d4	11.48

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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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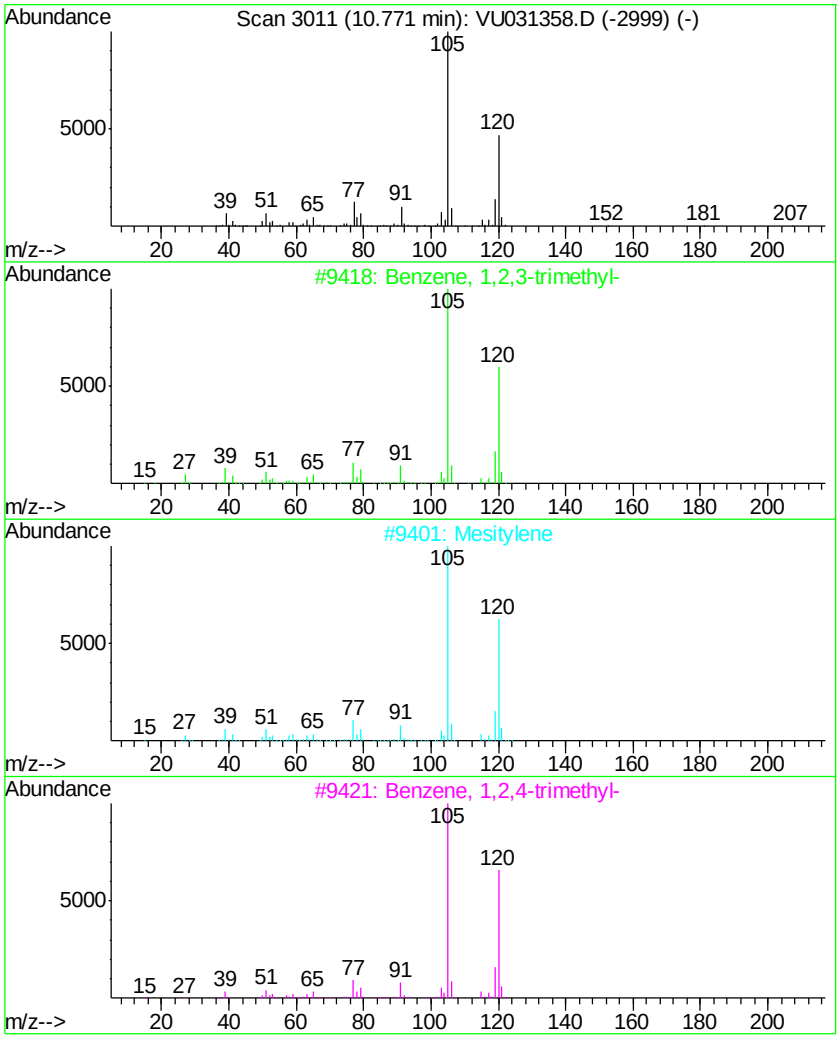
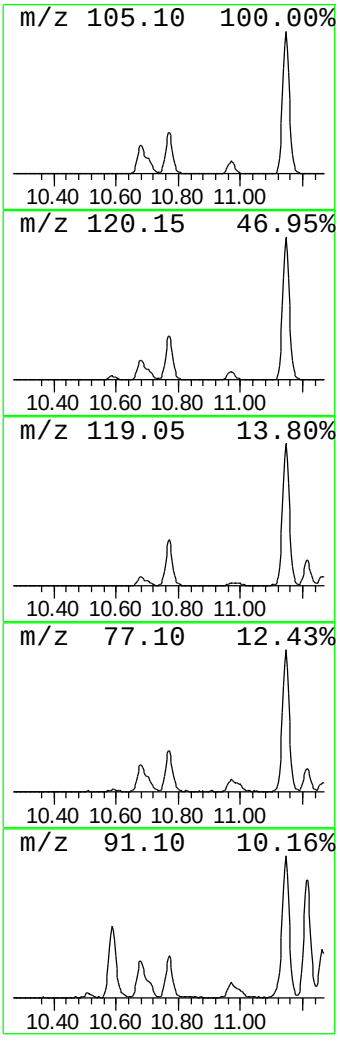
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	23.63 ug/L	722066	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
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Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

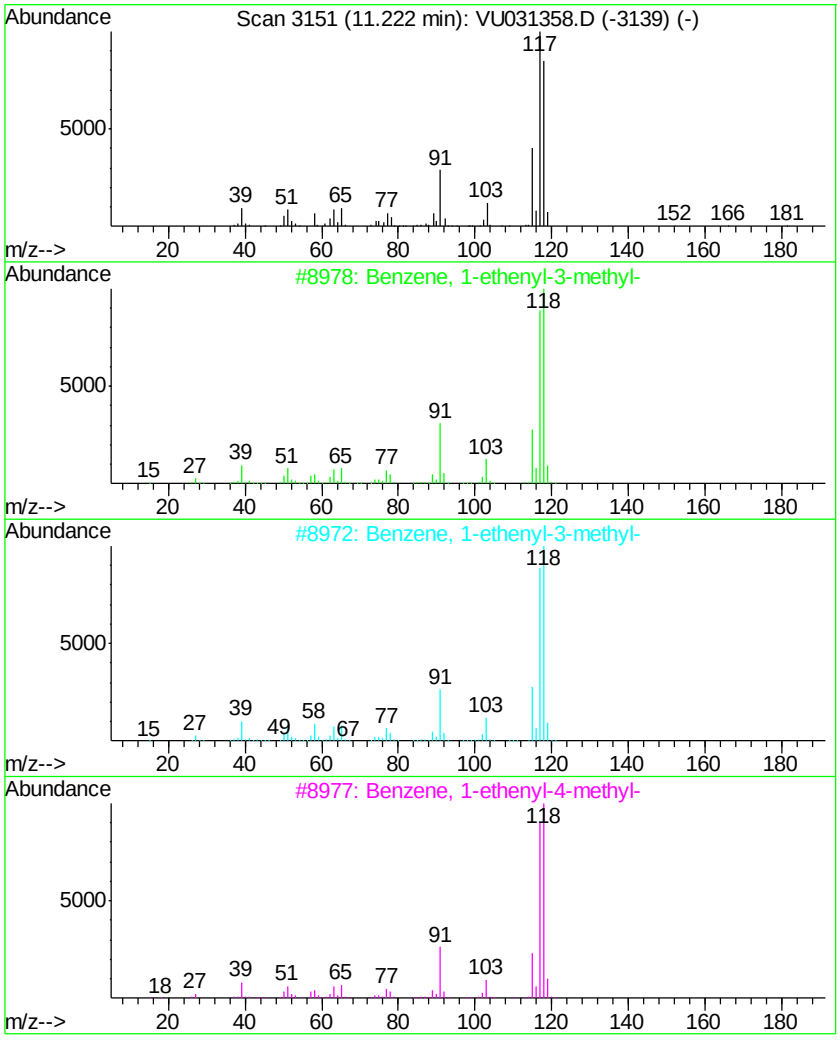
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

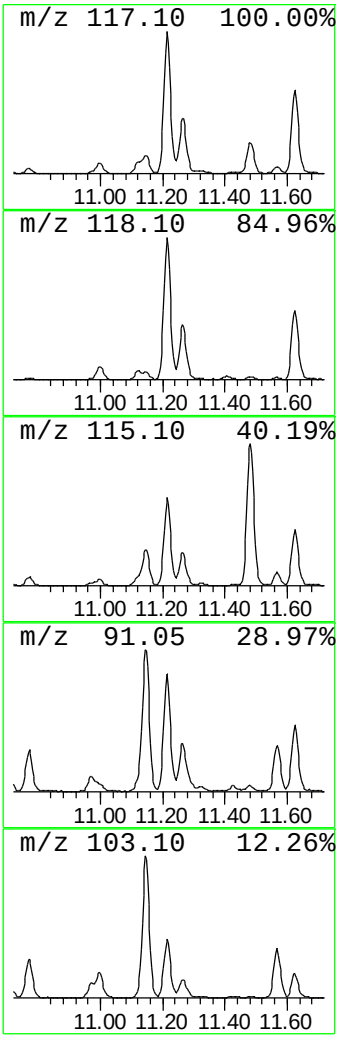
****

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	28.89 ug/L	882661	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

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Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

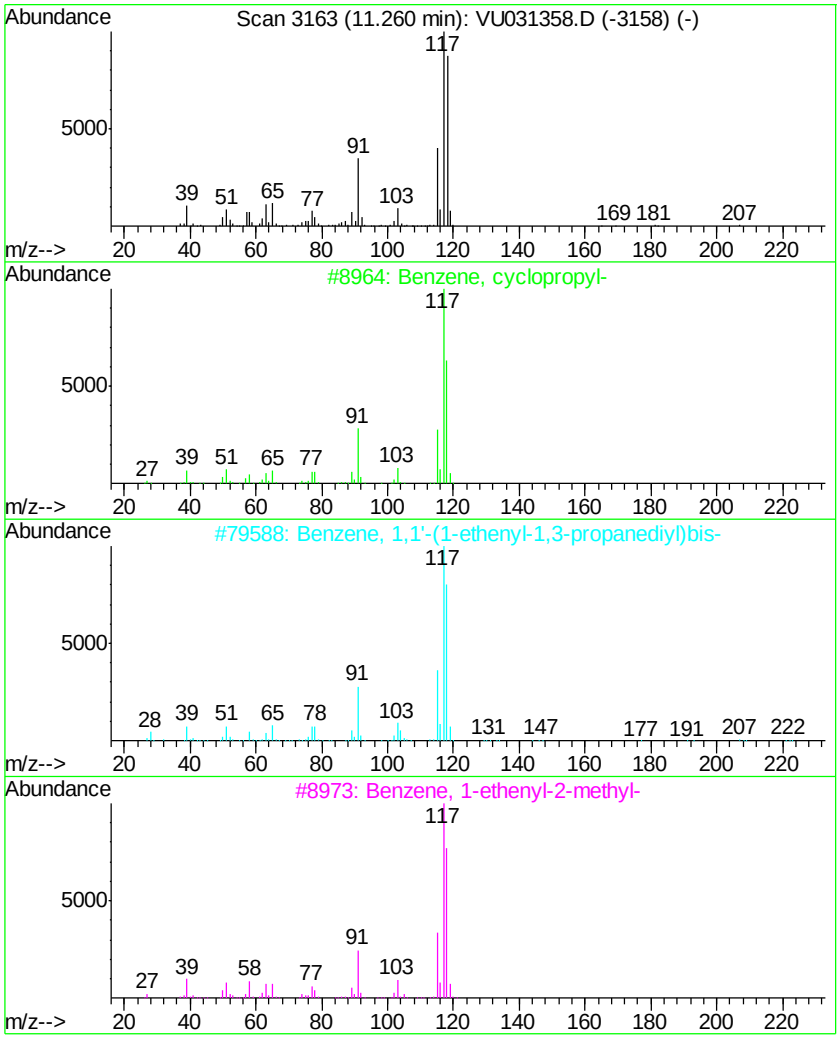
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

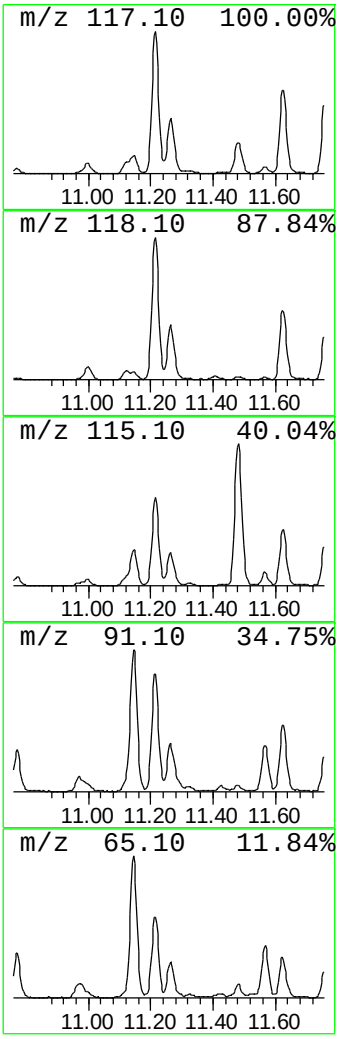
****

Peak Number 8 Benzene, cyclopropyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	11.01 ug/L	336502	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
2	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

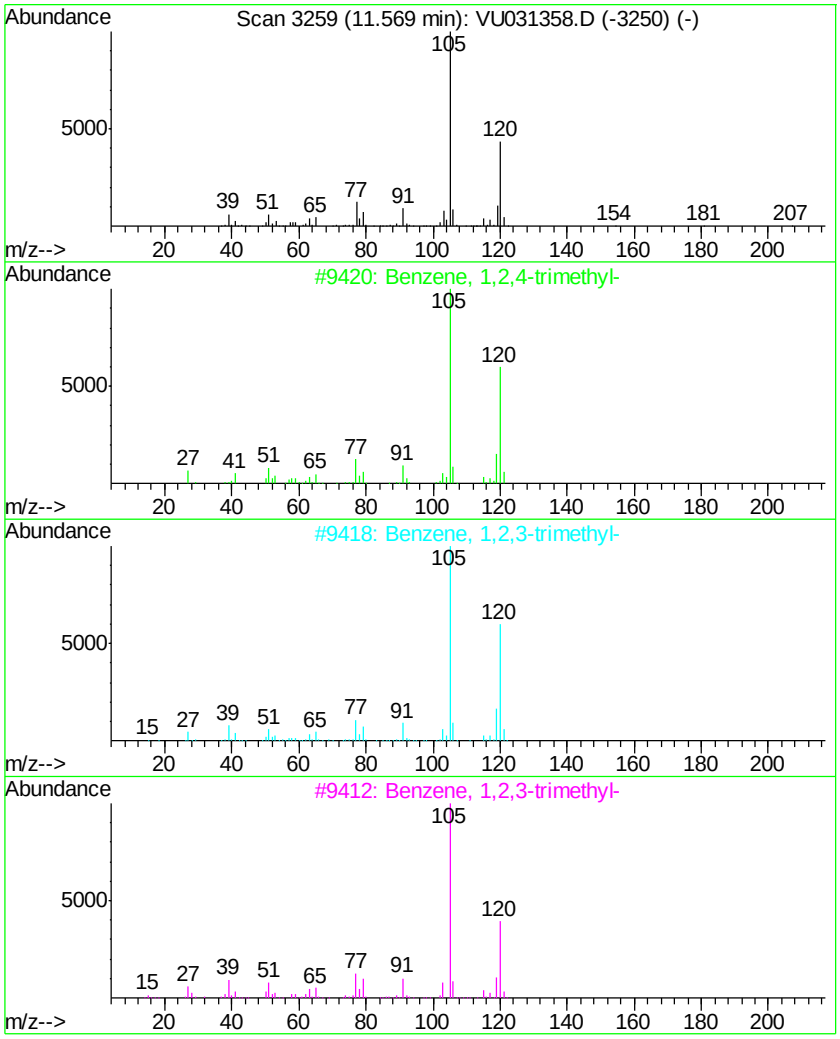
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

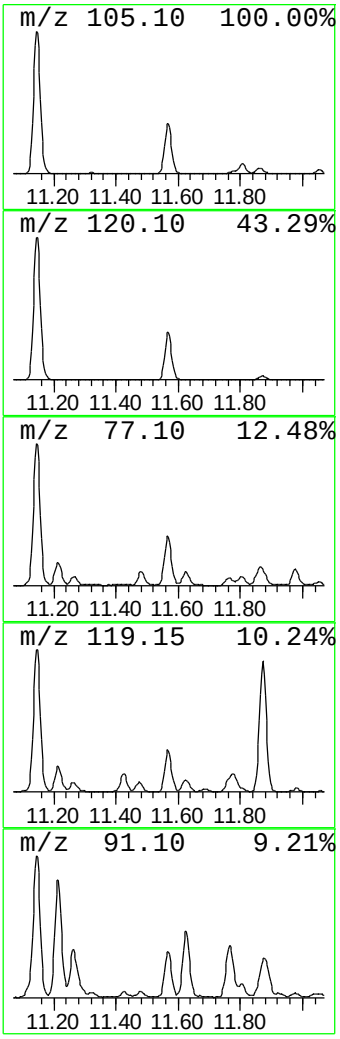
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	26.23 ug/L	801280	1,4-Dichlorobenzene-d4	11.48

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

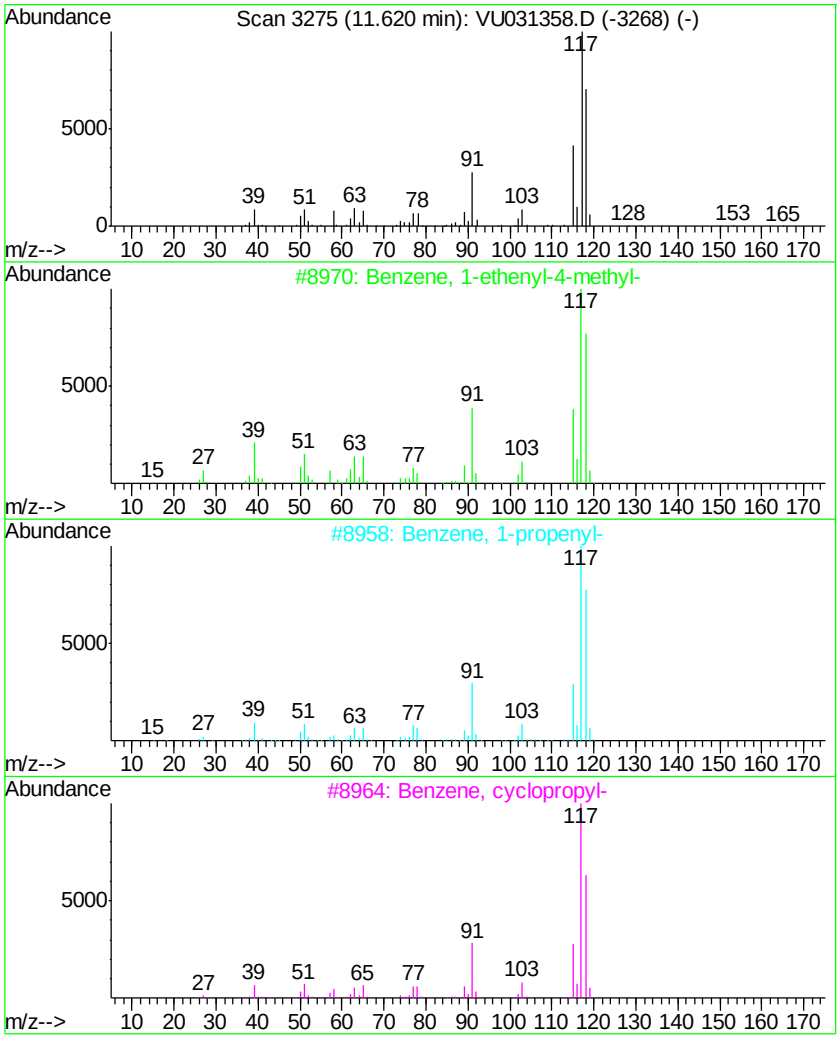
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

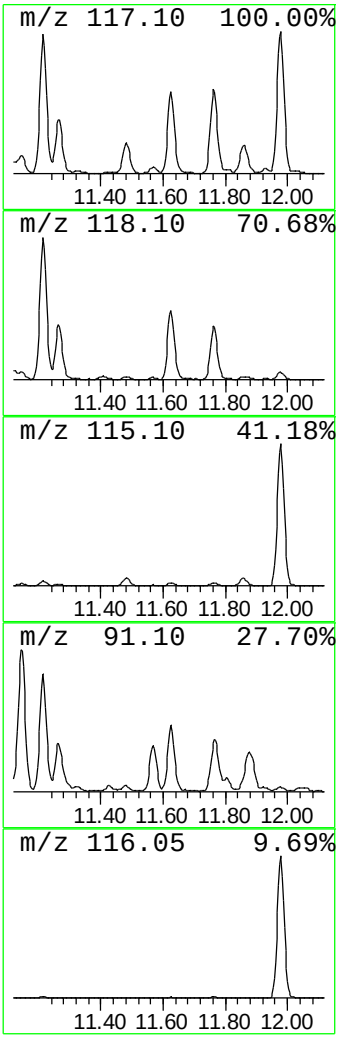
****

Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	16.82 ug/L	513925	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

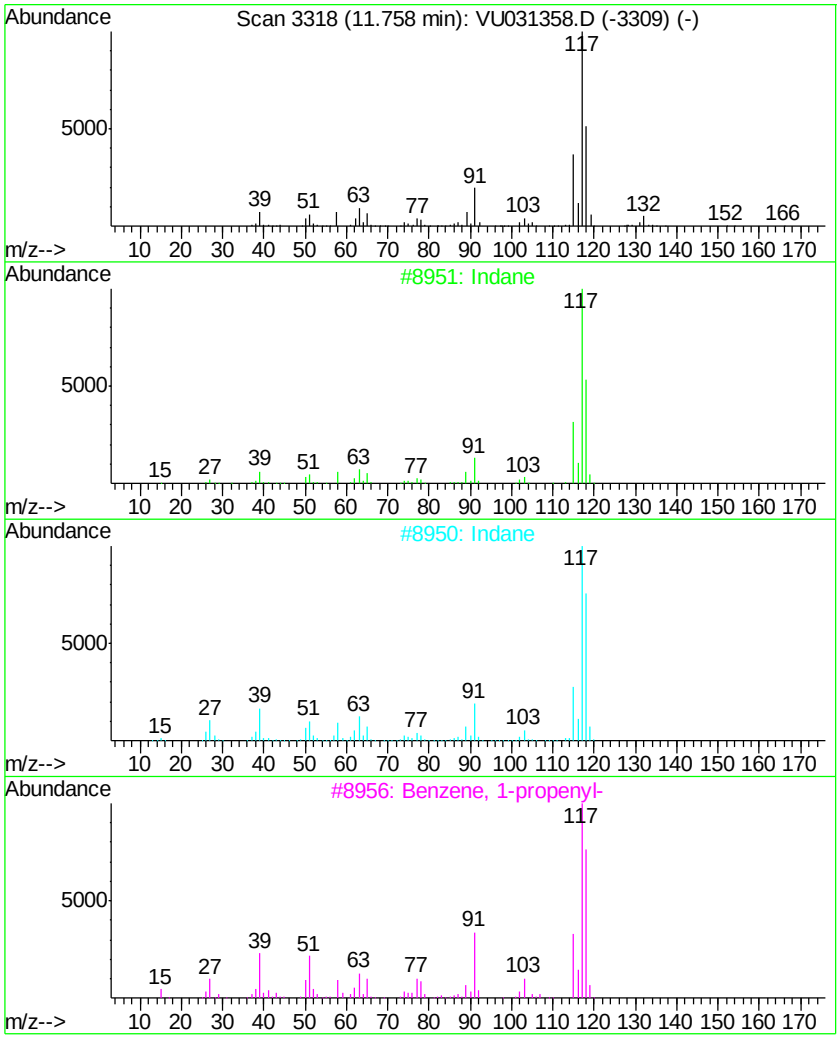
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

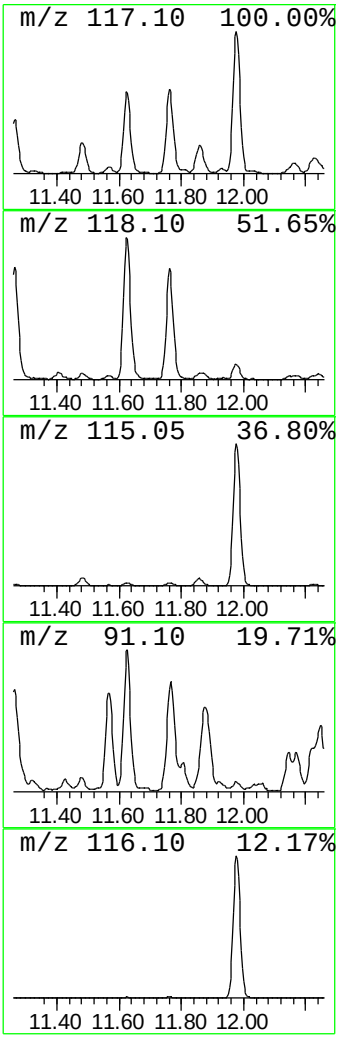
****

Peak Number 11 Indane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	17.16 ug/L	524335	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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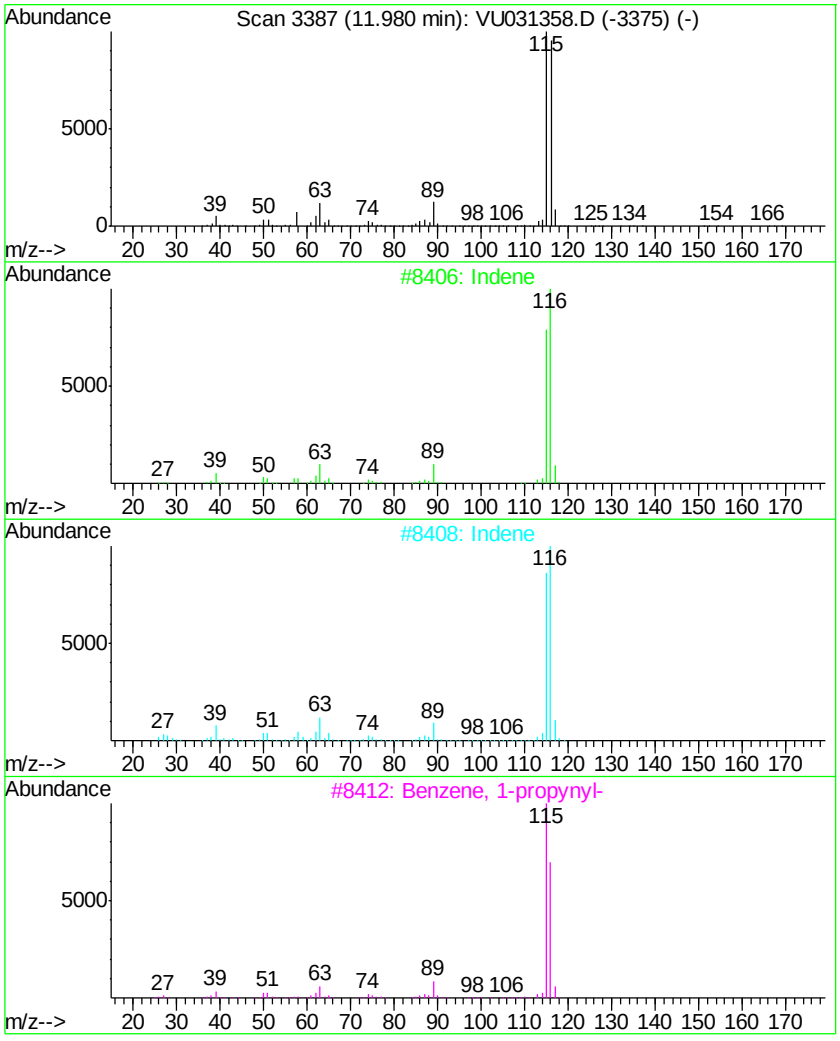
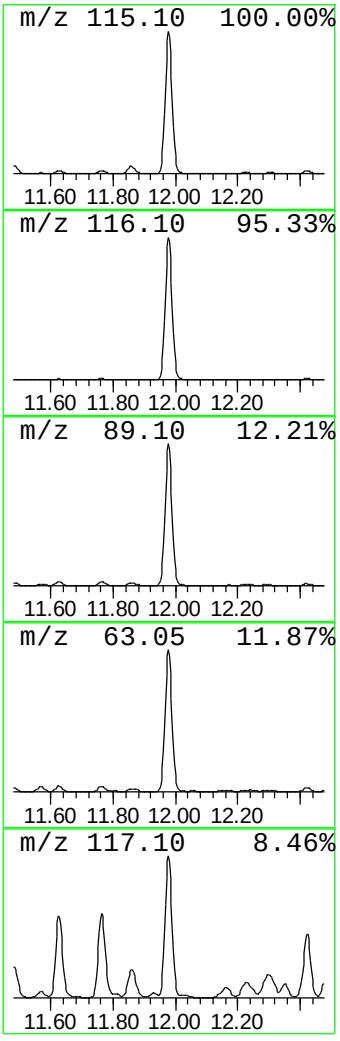
Peak Number 12 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	260.21 ug/L	7950310	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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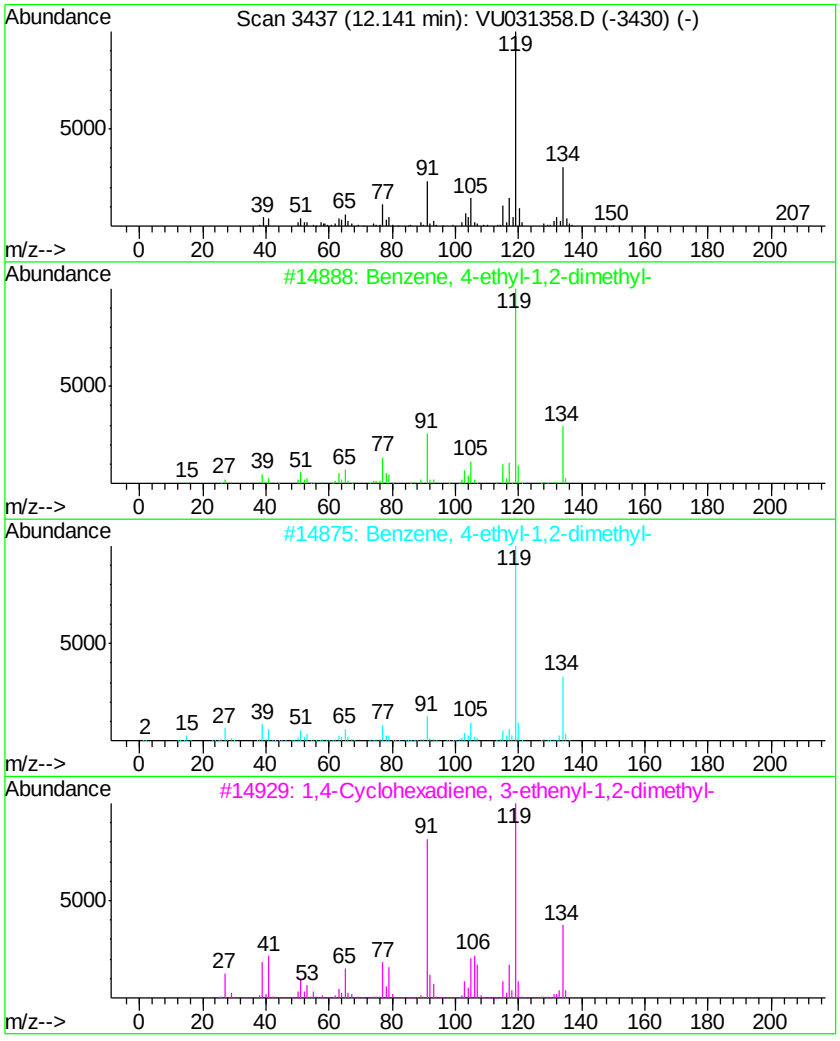
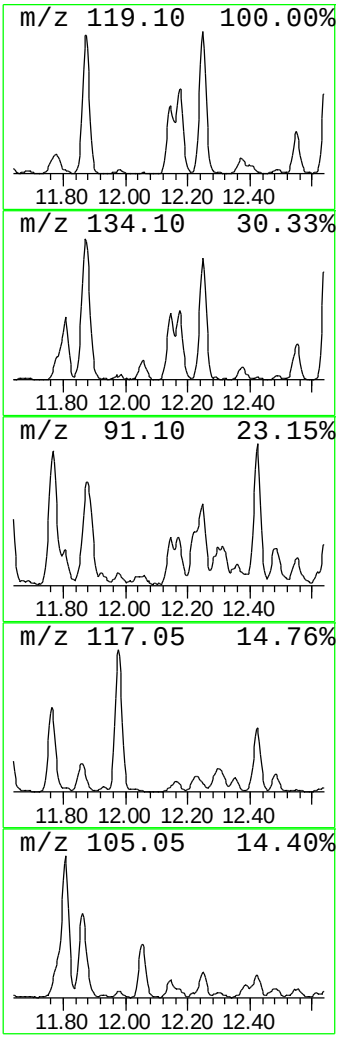
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.25 ug/L	129832	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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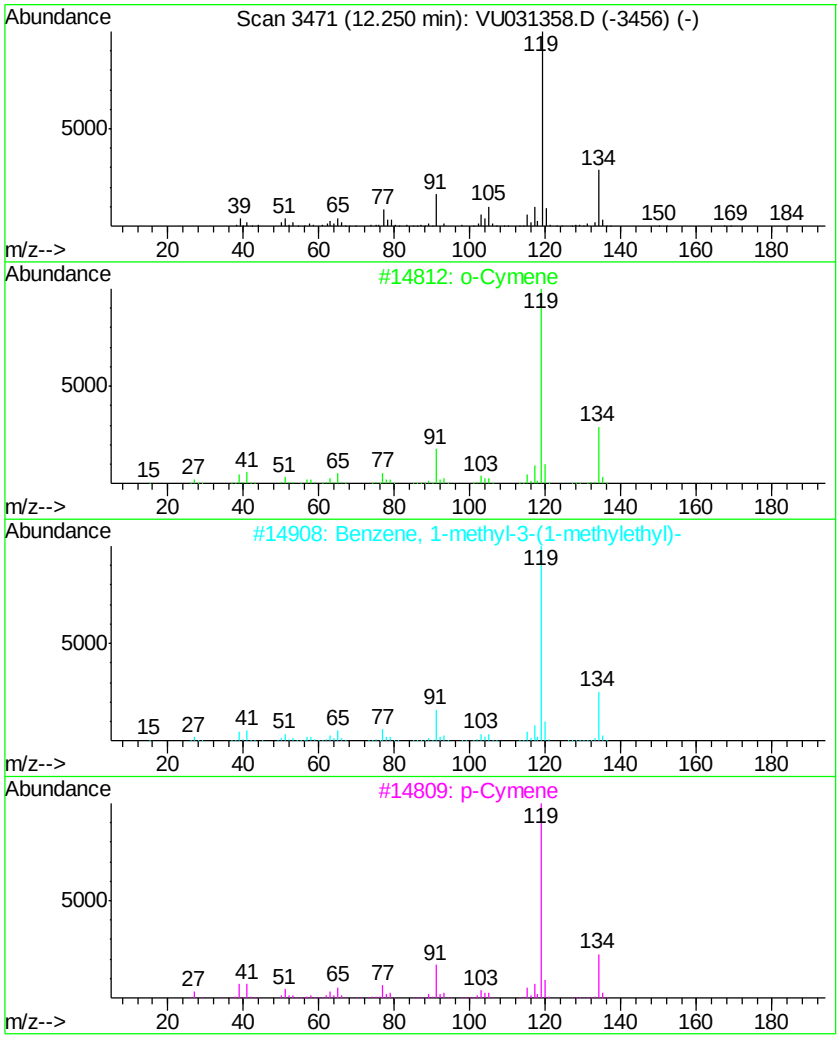
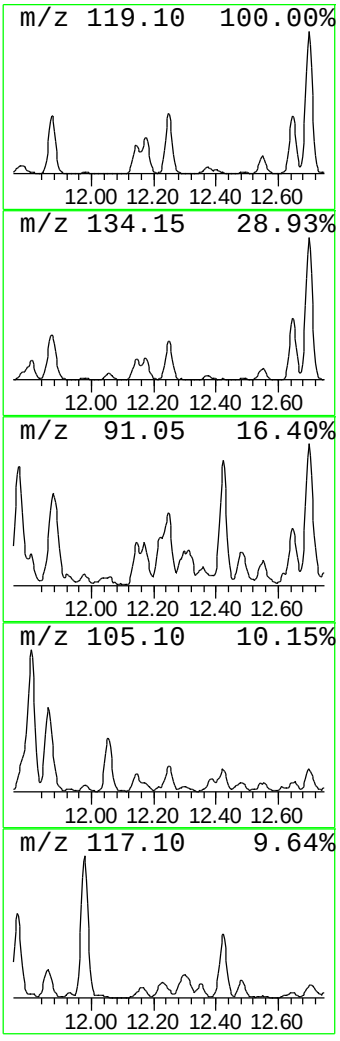
Peak Number 14 o-Cymene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	11.41 ug/L	348660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	p-Cymene	134	C10H14	000099-87-6	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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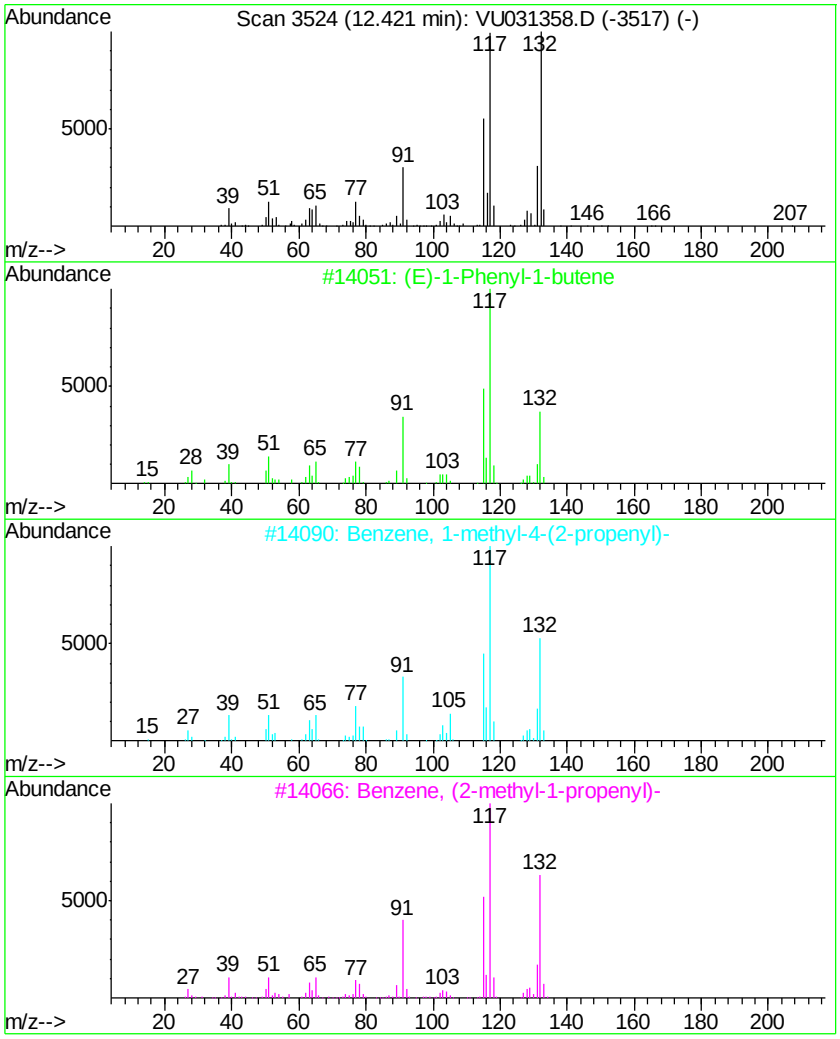
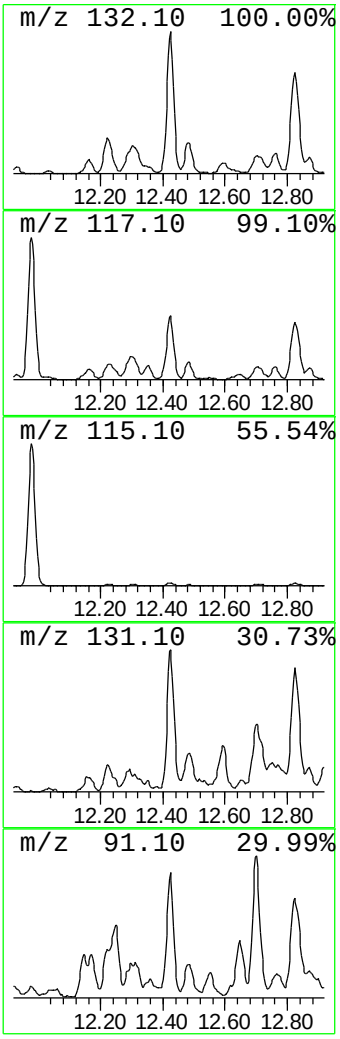
Peak Number 15 (E)-1-Phenyl-1-butene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	16.97 ug/L	518422	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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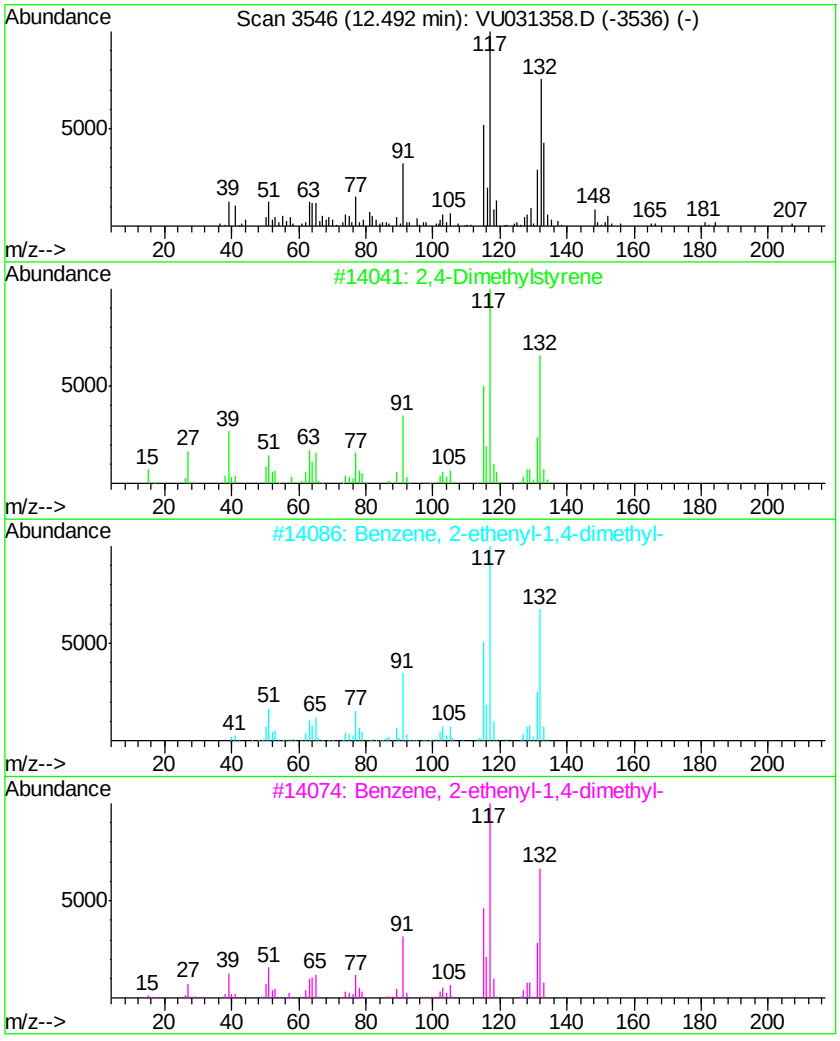
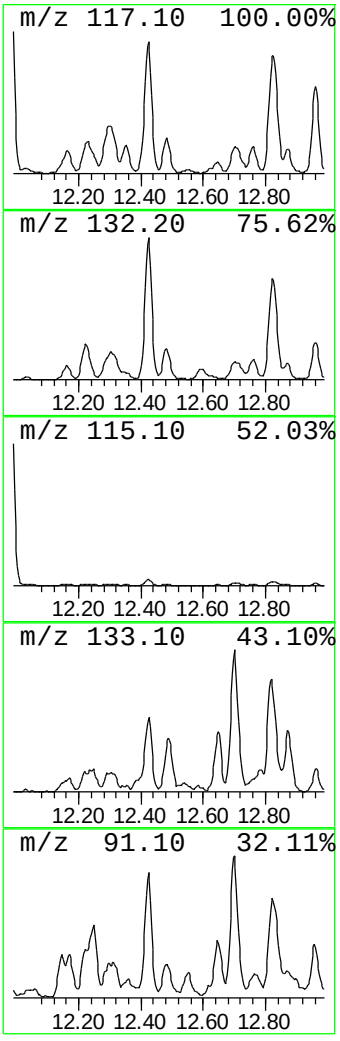
Peak Number 16 2,4-Dimethylstyrene Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.09 ug/L	155670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	89
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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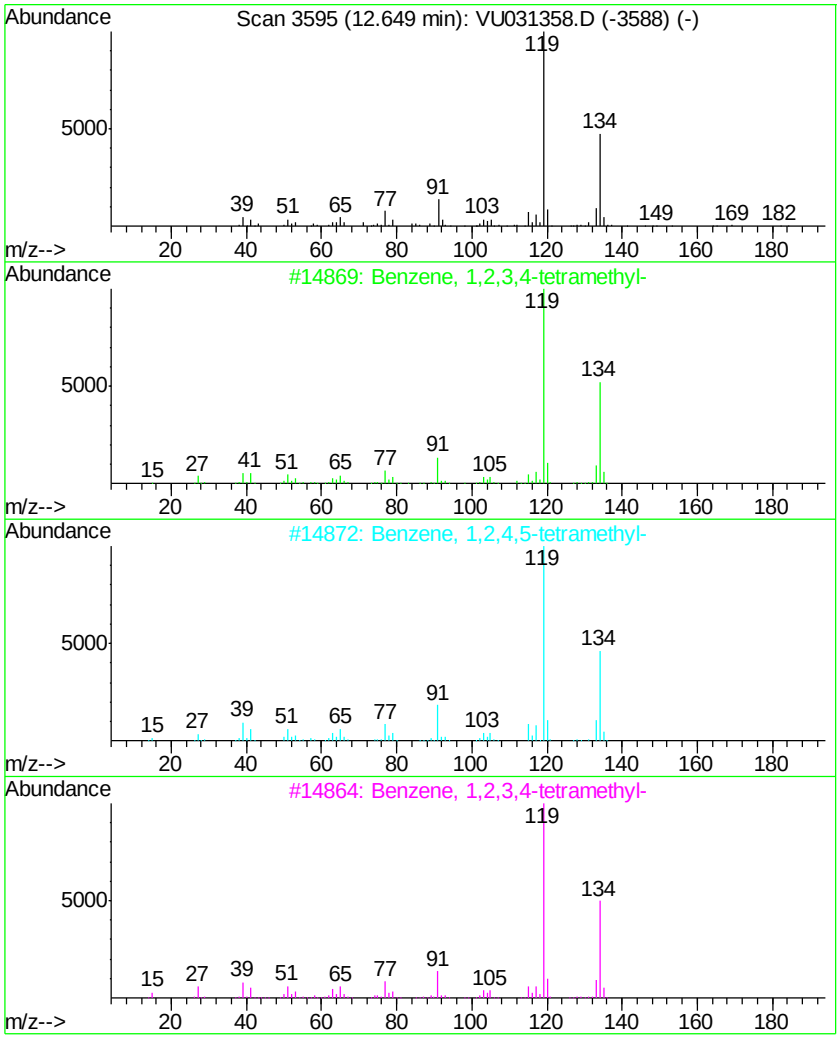
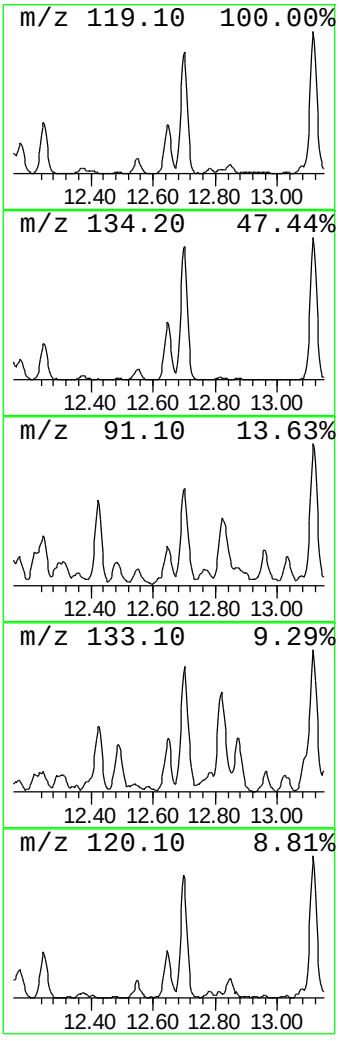
Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.60 ug/L	232327	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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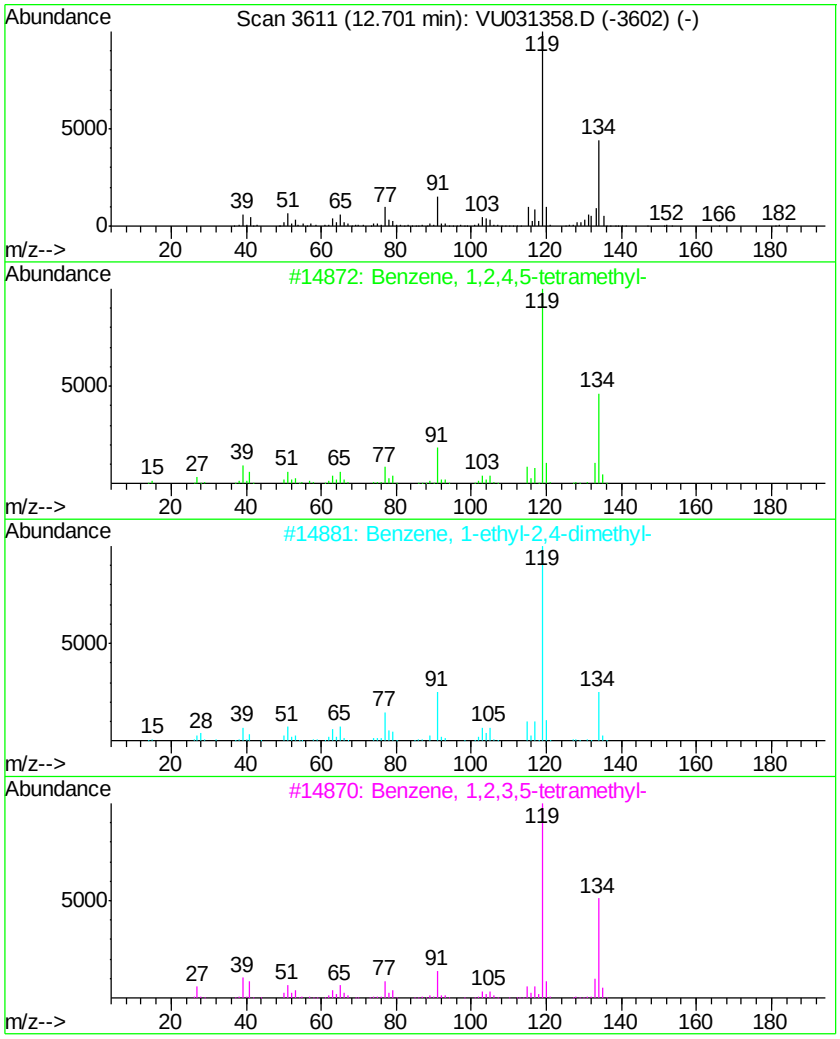
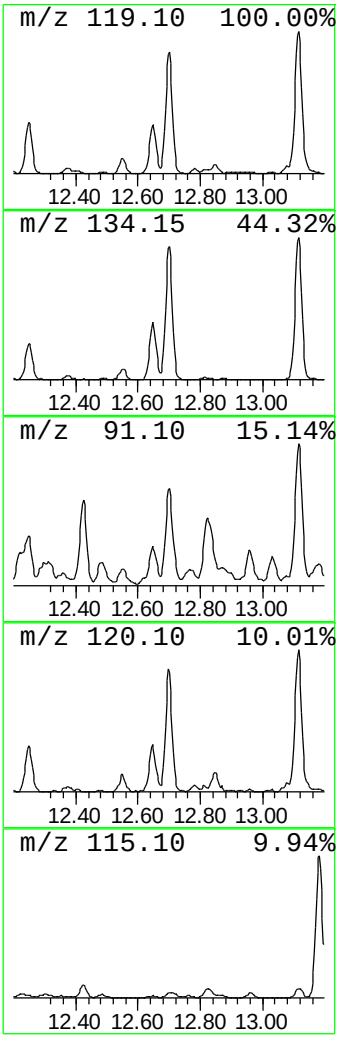
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	26.33 ug/L	804485	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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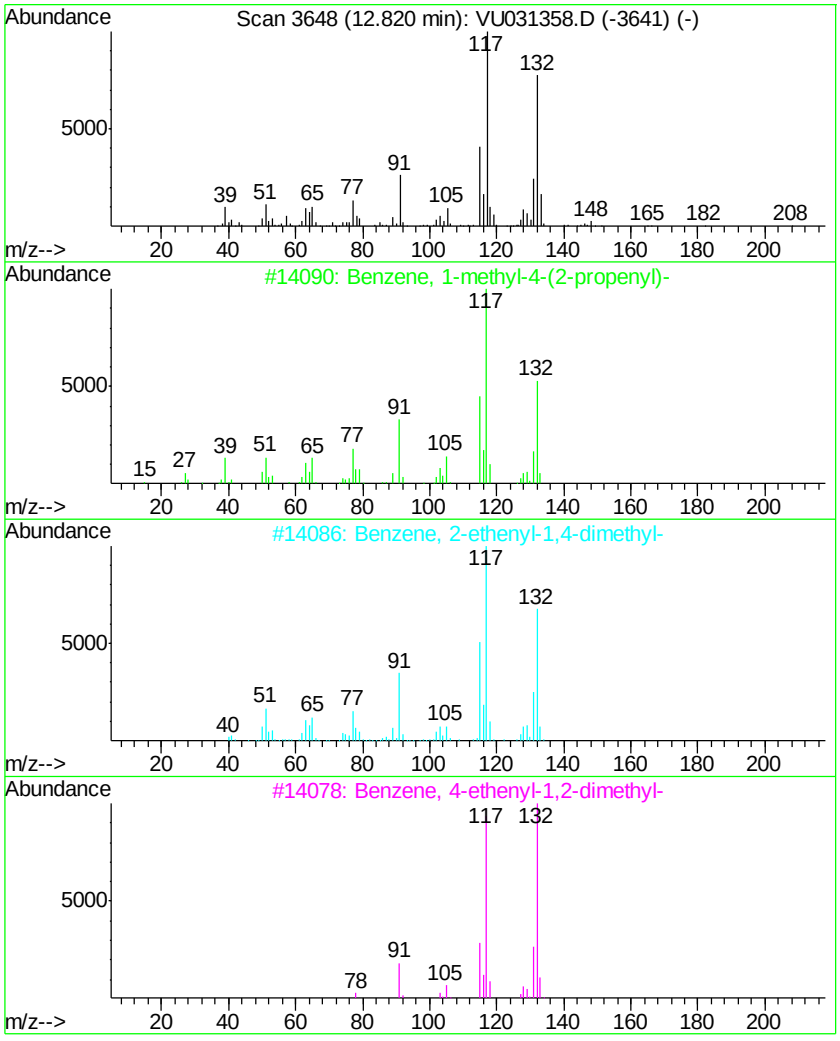
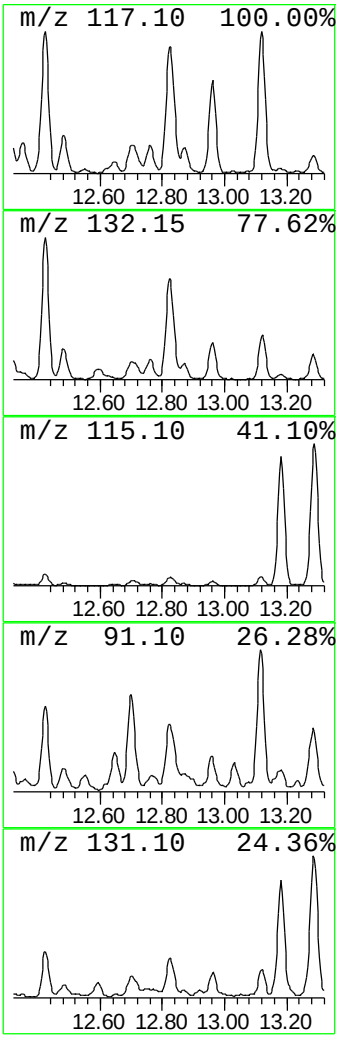
Peak Number 19 Benzene, 1-methyl-4-(2-prop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	17.33 ug/L	529571	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	97
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

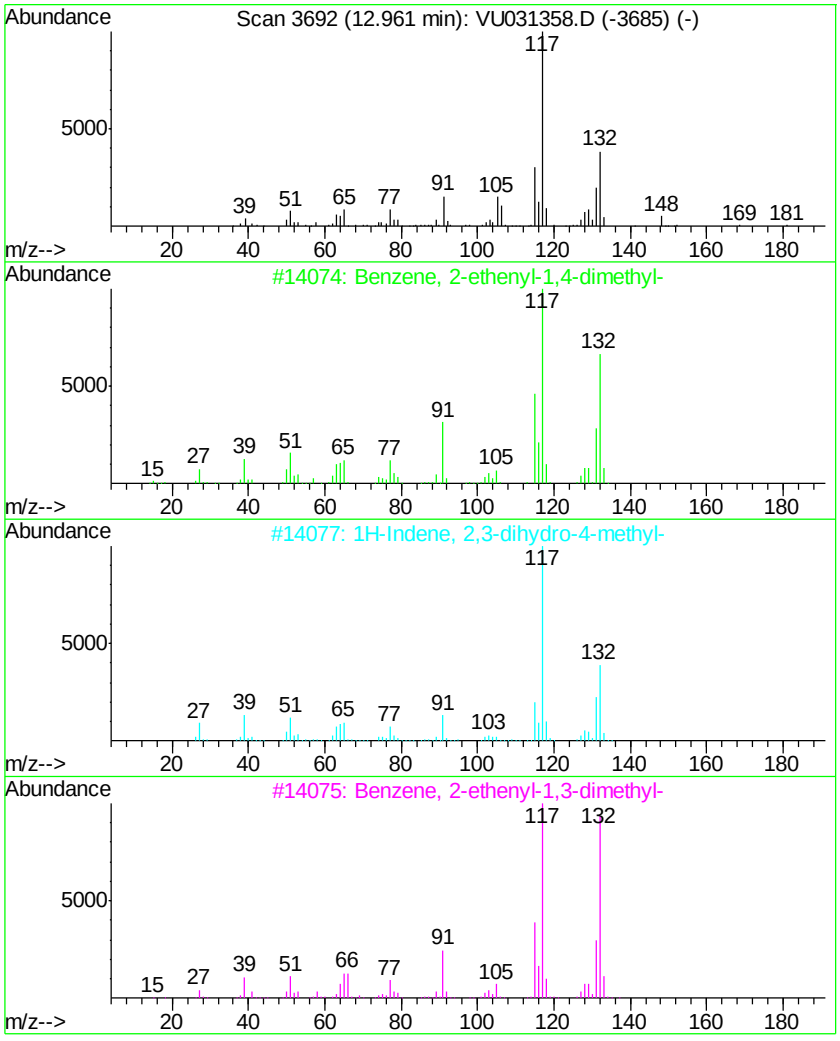
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

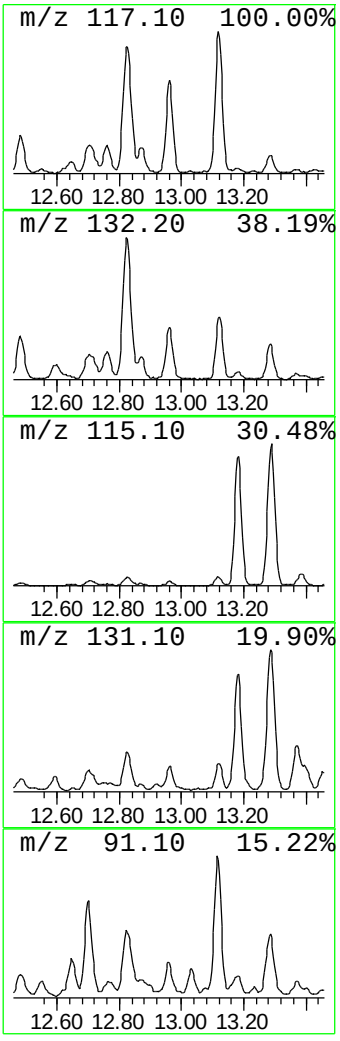
****

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	8.45 ug/L	258099	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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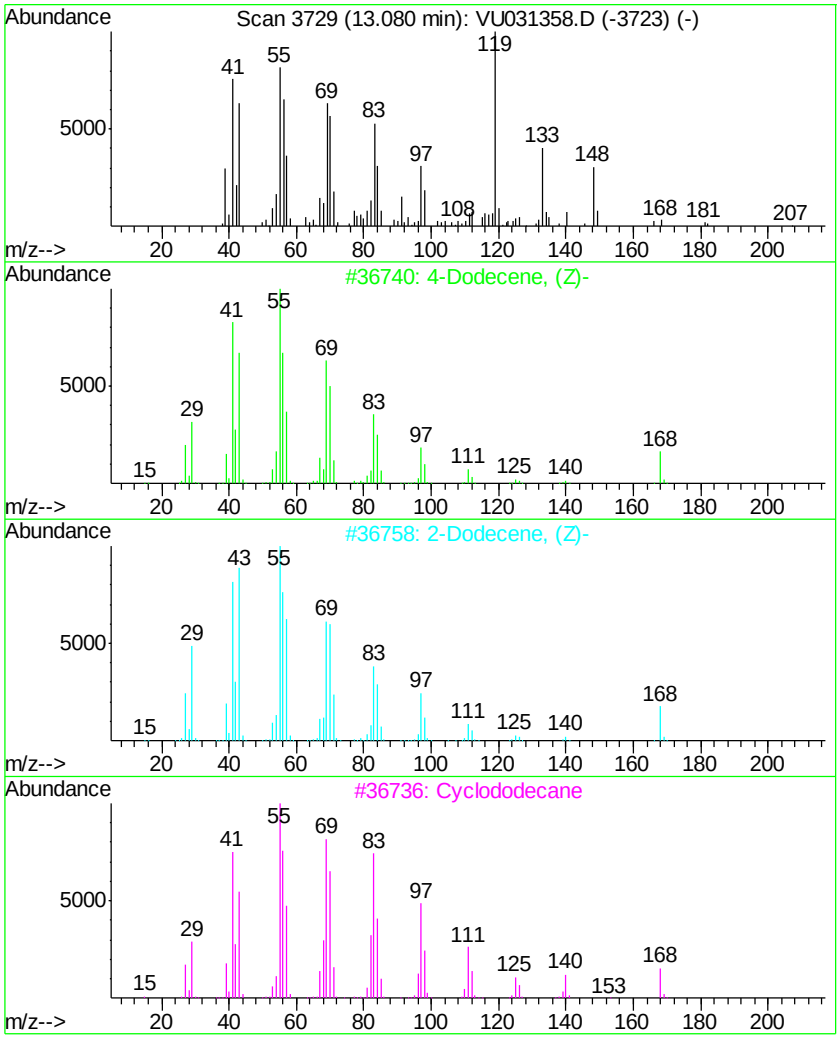
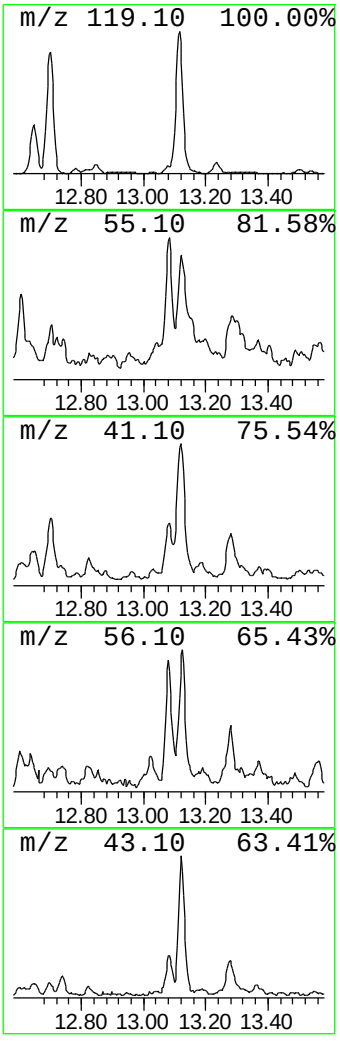
Peak Number 21 (DEL) Alkane: Cyclic13.08 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.99 ug/L	91214	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Dodecene, (Z)-	168	C12H24	007206-27-1	89
2	2-Dodecene, (Z)-	168	C12H24	007206-26-0	81
3	Cyclododecane	168	C12H24	000294-62-2	64
4	4-Dodecene, (E)-	168	C12H24	007206-15-7	64
5	Cyclododecane	168	C12H24	000294-62-2	50





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Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

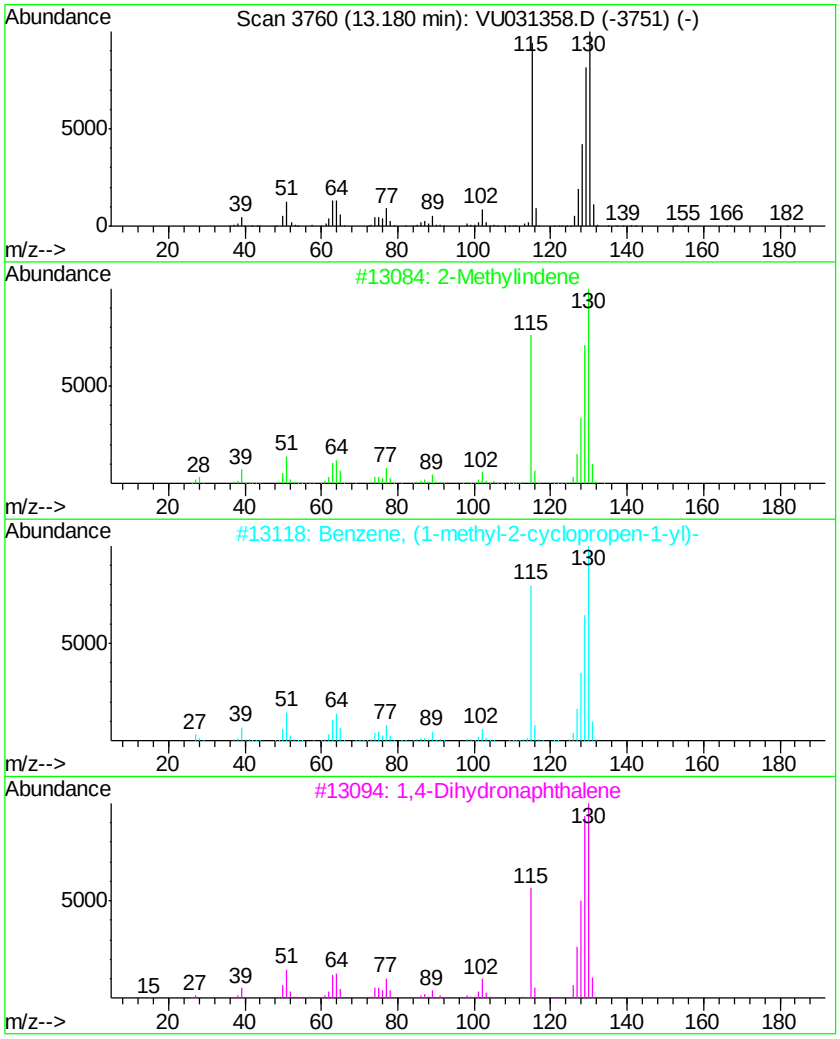
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

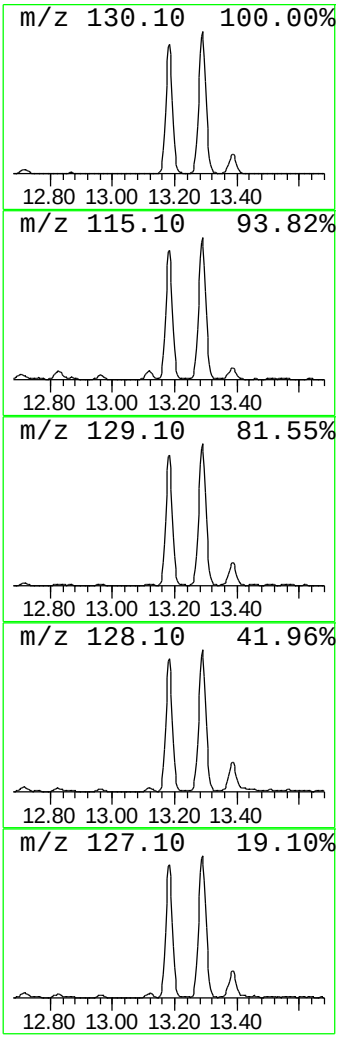
****

Peak Number 23 2-Methylindene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	105.03 ug/L	3209170	1,4-Dichlorobenzene-d4	11.48

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	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

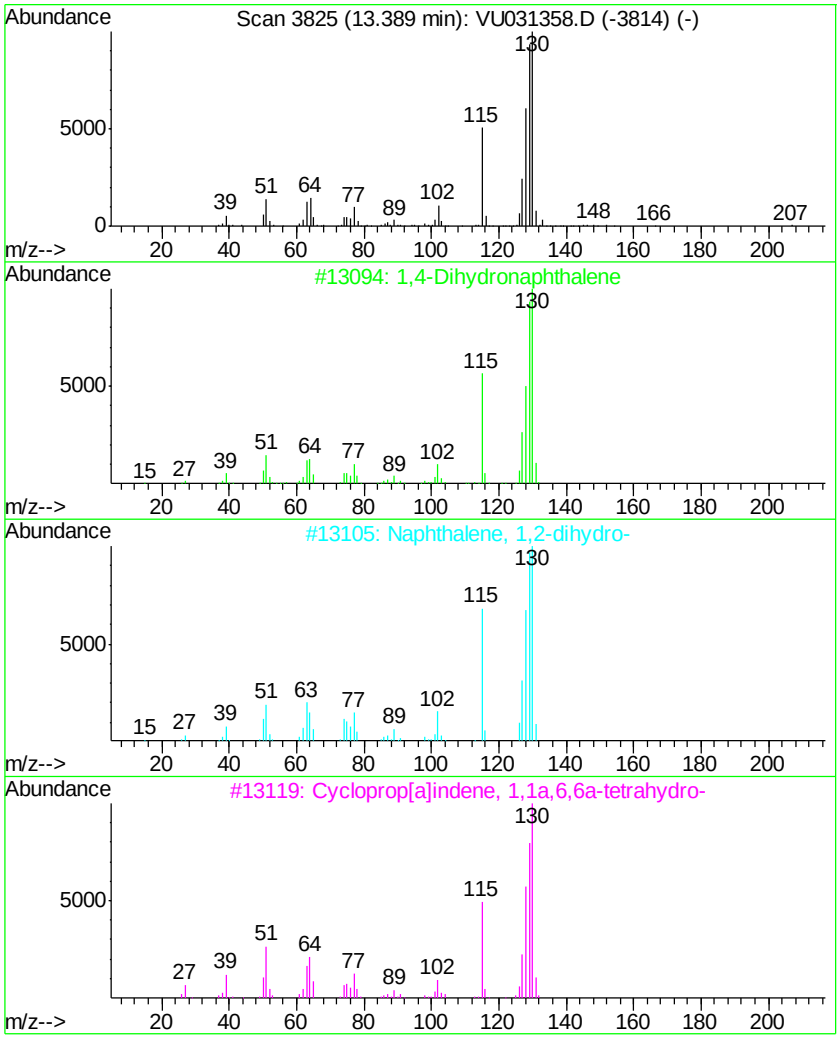
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

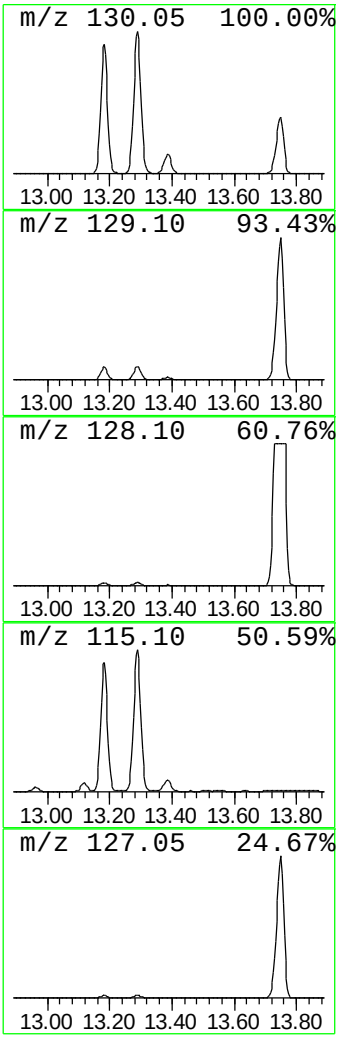
****

Peak Number 25 1,4-Dihydronaphthalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	20.41 ug/L	623608	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	97
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





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Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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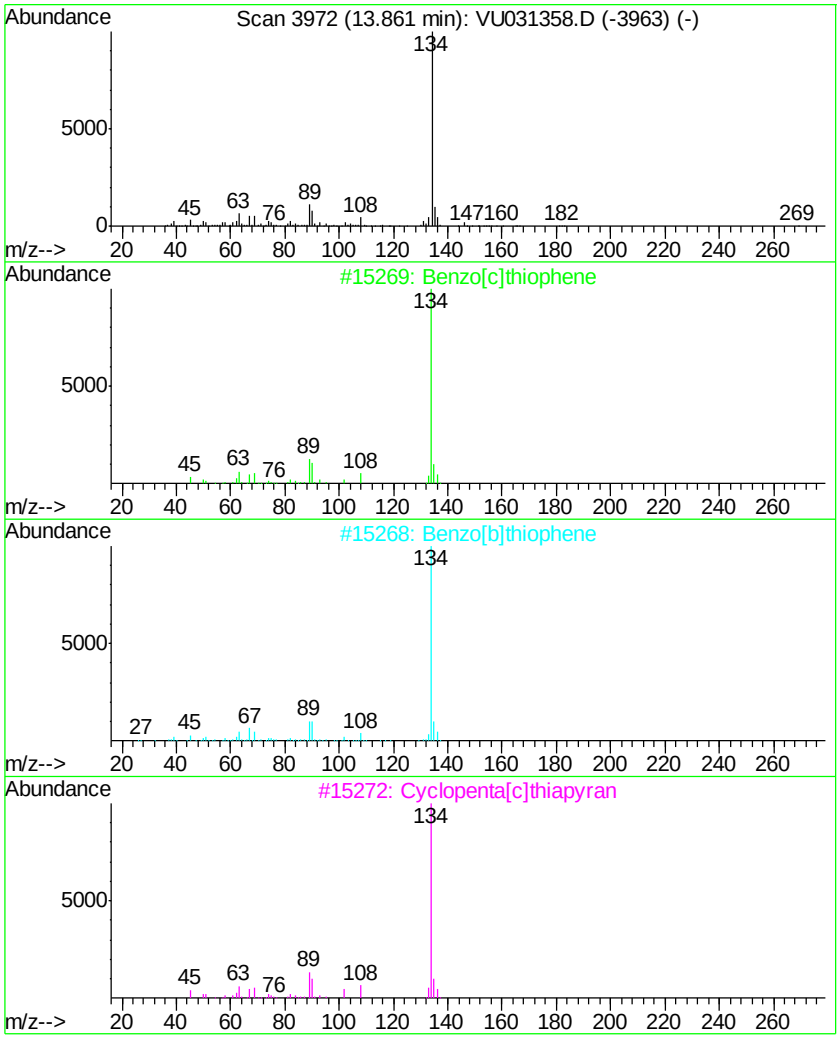
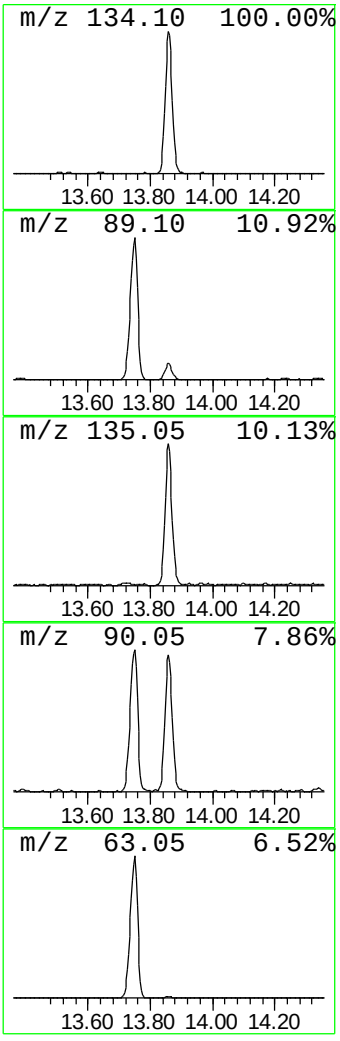
Peak Number 27 Benzo[c]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	32.96 ug/L	1007190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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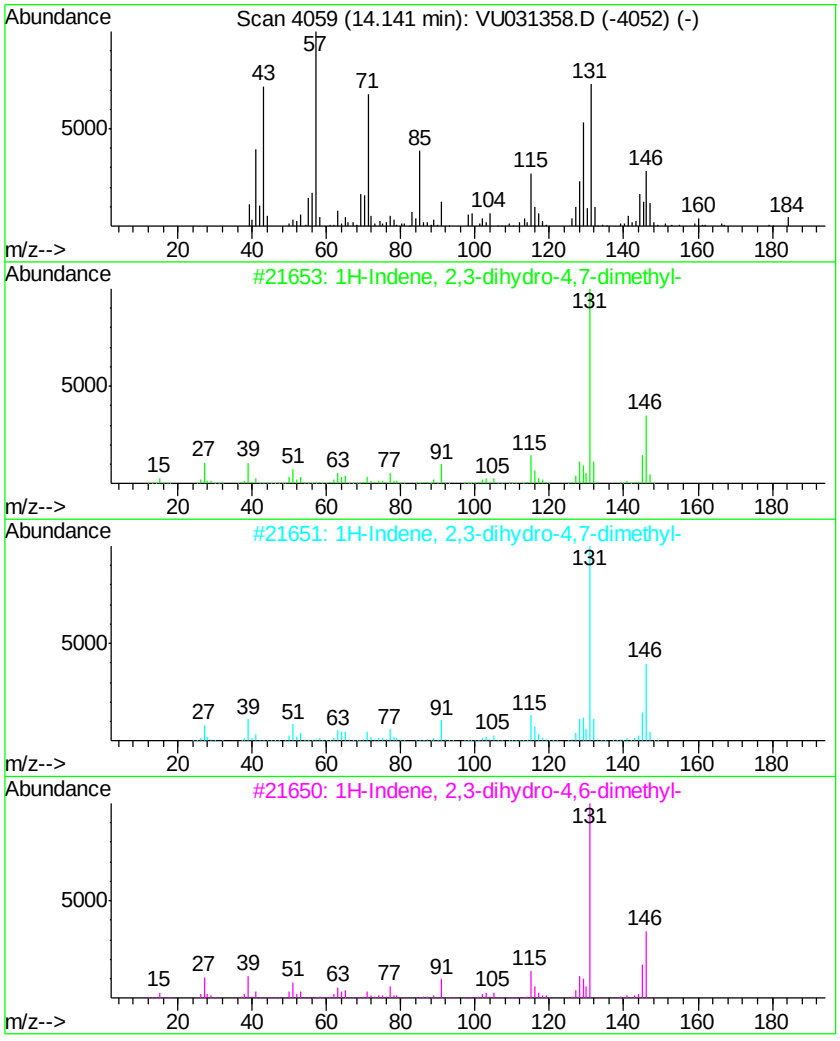
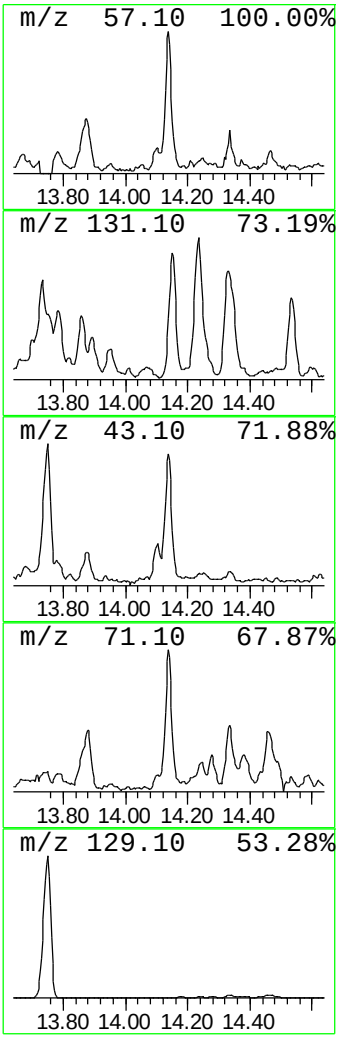
Peak Number 28 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	6.46 ug/L	197403	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	35
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35





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Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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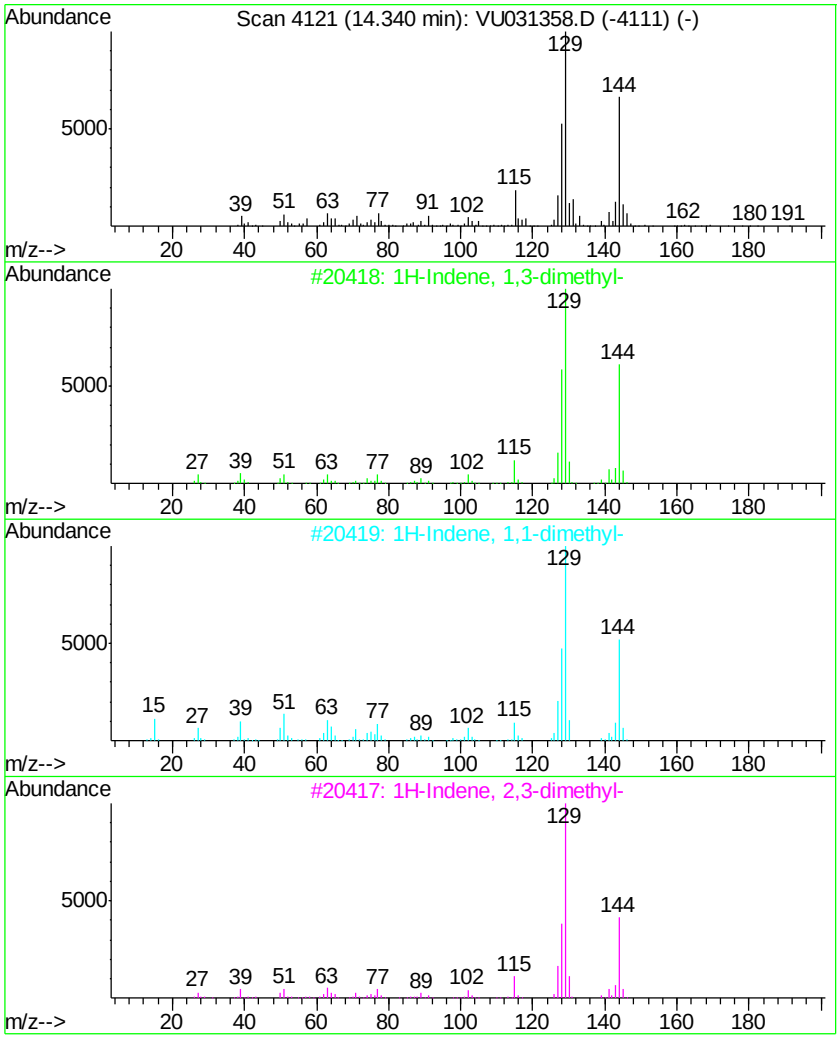
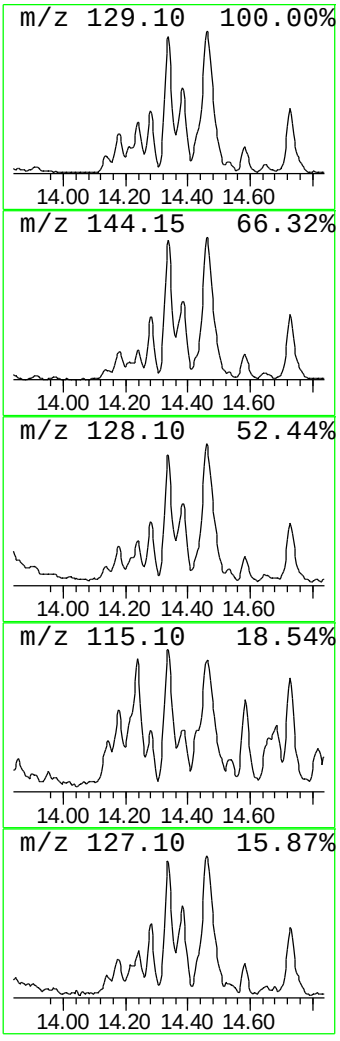
Peak Number 29 1H-Indene, 1,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	21.05 ug/L	643113	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	93
4	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
5	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	87





Library Search Compound Report

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Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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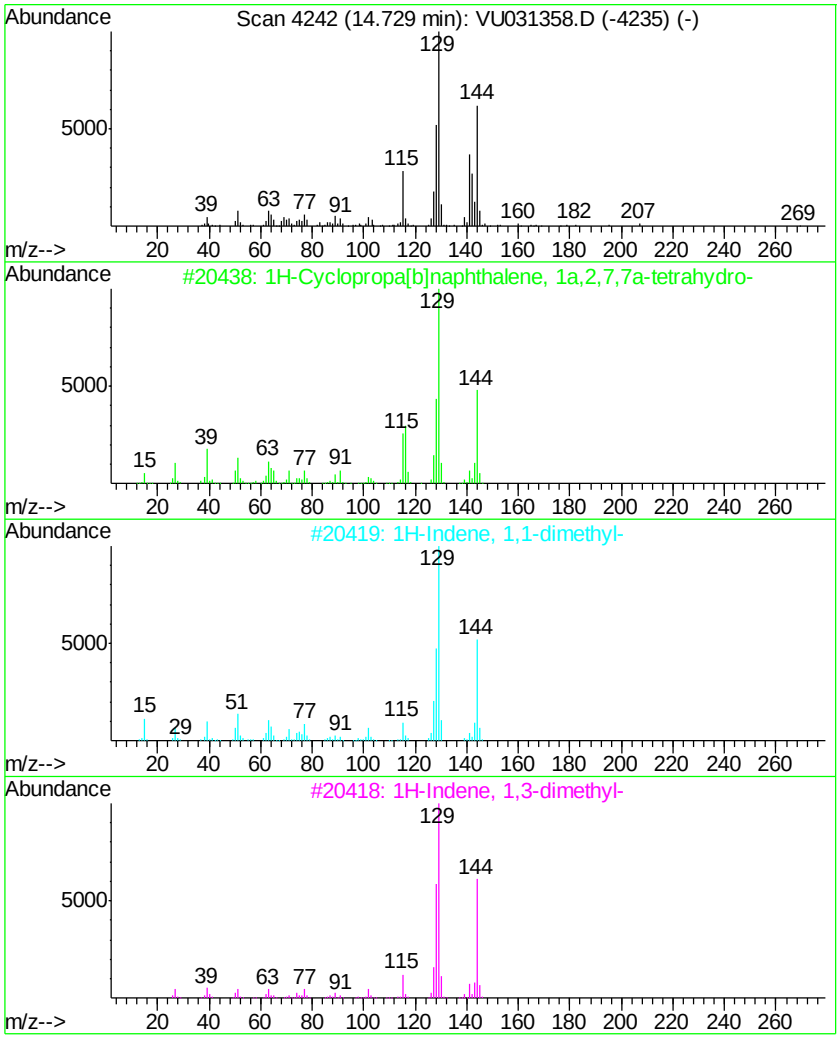
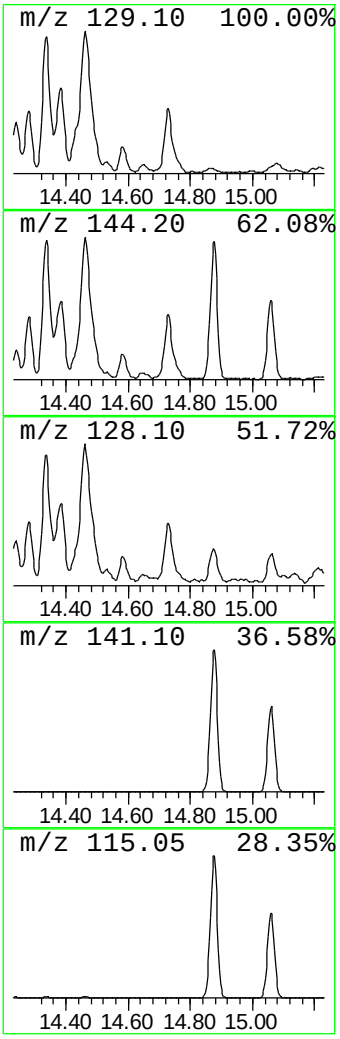
Peak Number 31 1H-Cyclopropa[b]naphthalene... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	12.14 ug/L	370846	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	91
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	81
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	81
5	Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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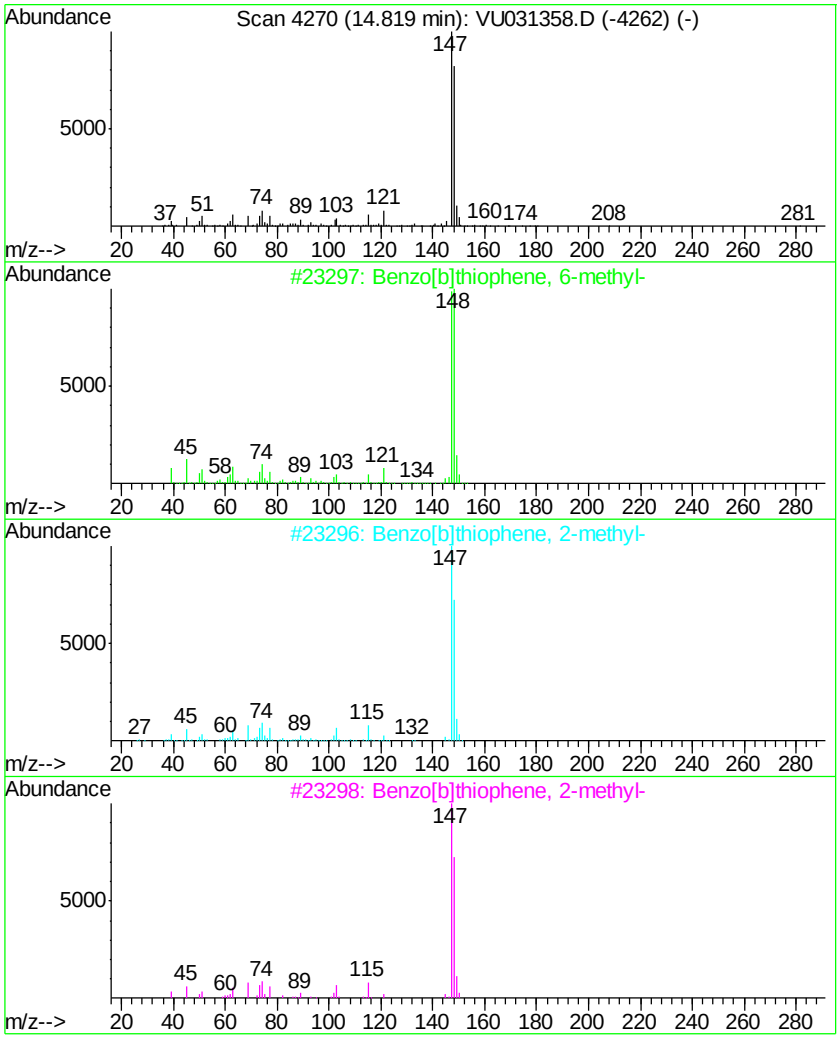
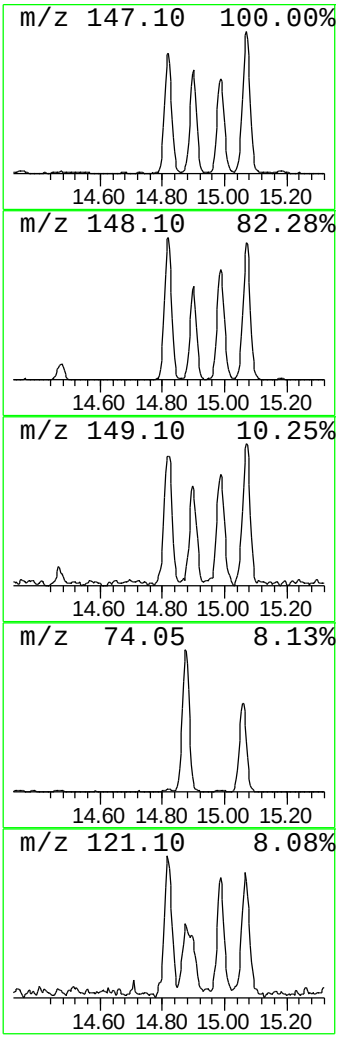
Peak Number 32 Benzo[b]thiophene, 6-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	10.50 ug/L	320813	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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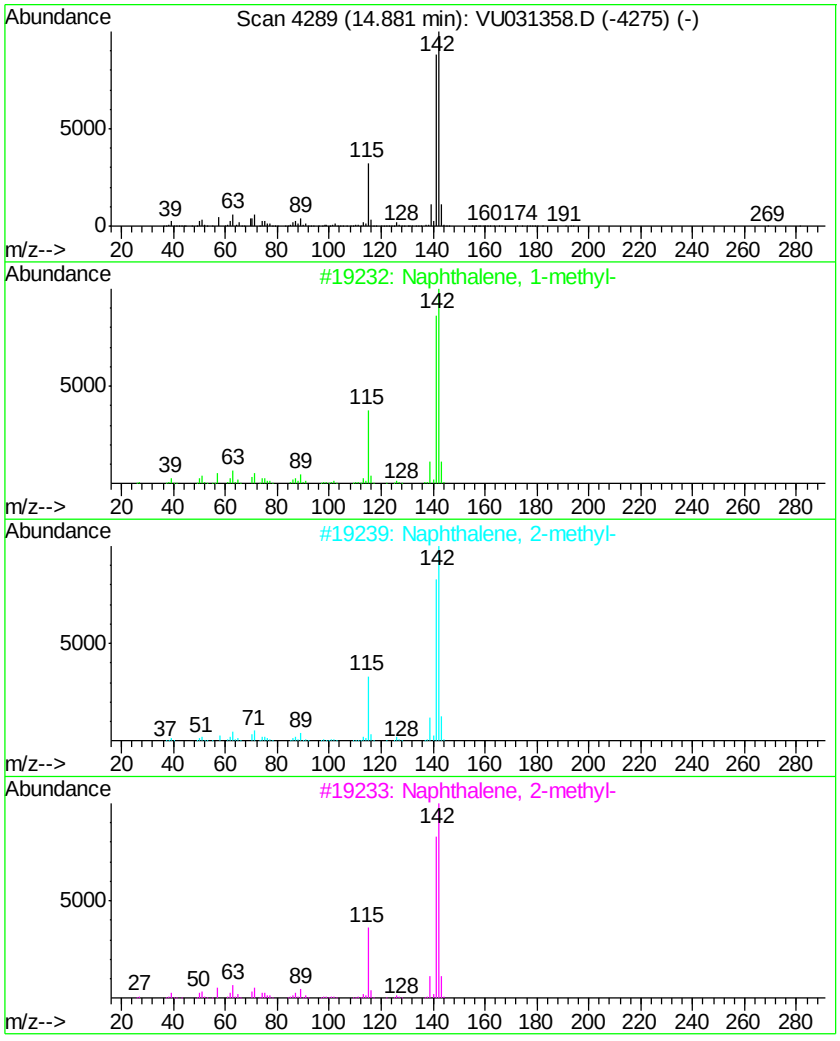
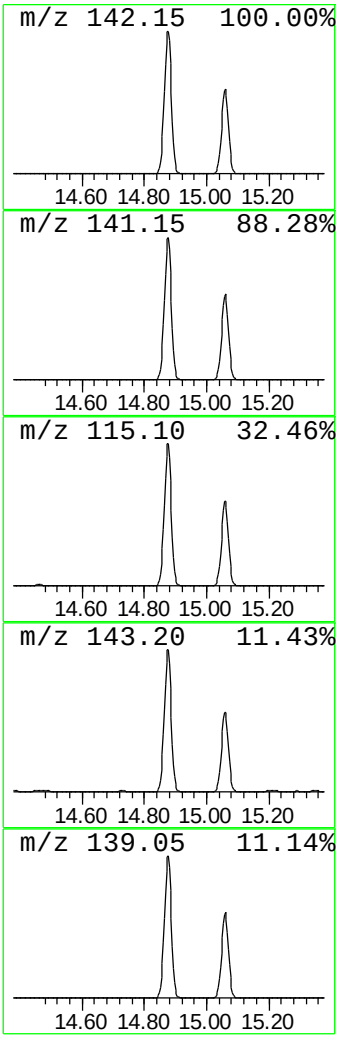
Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1458.76 ug/L	44570300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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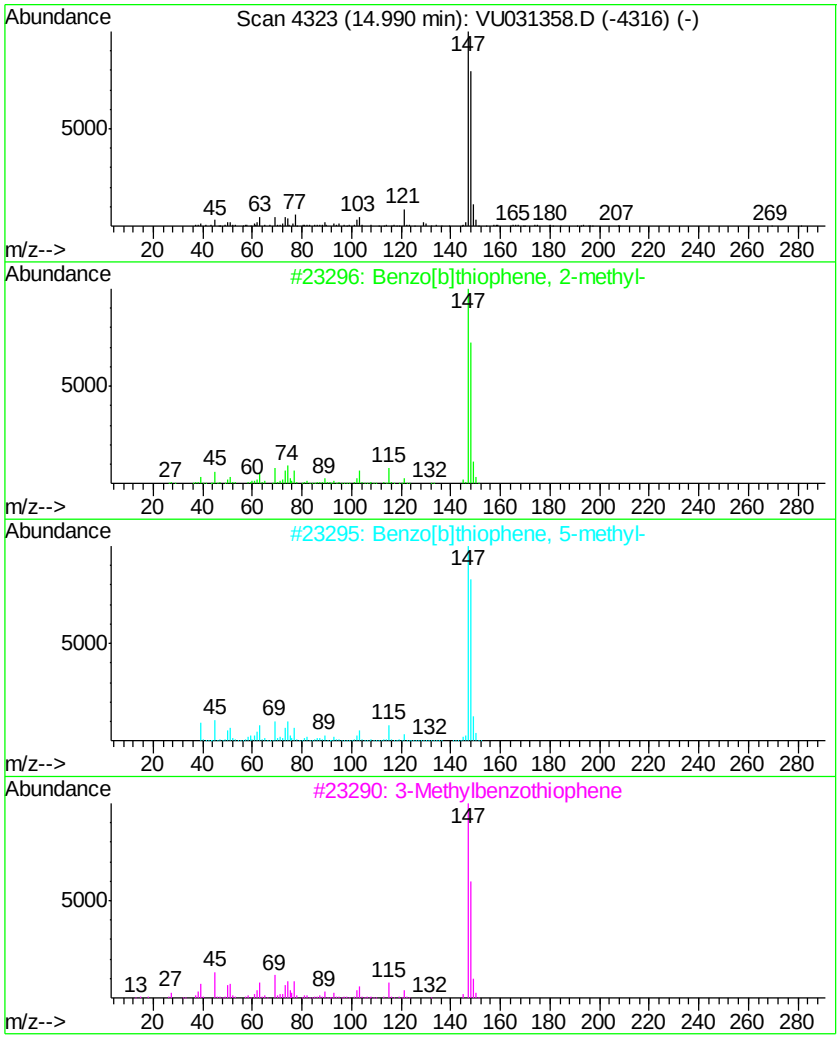
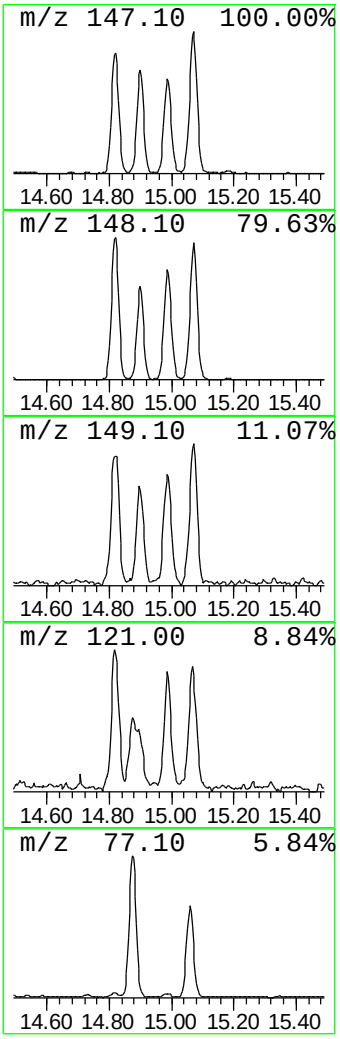
Peak Number 34 Benzo[b]thiophene, 2-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	8.05 ug/L	245946	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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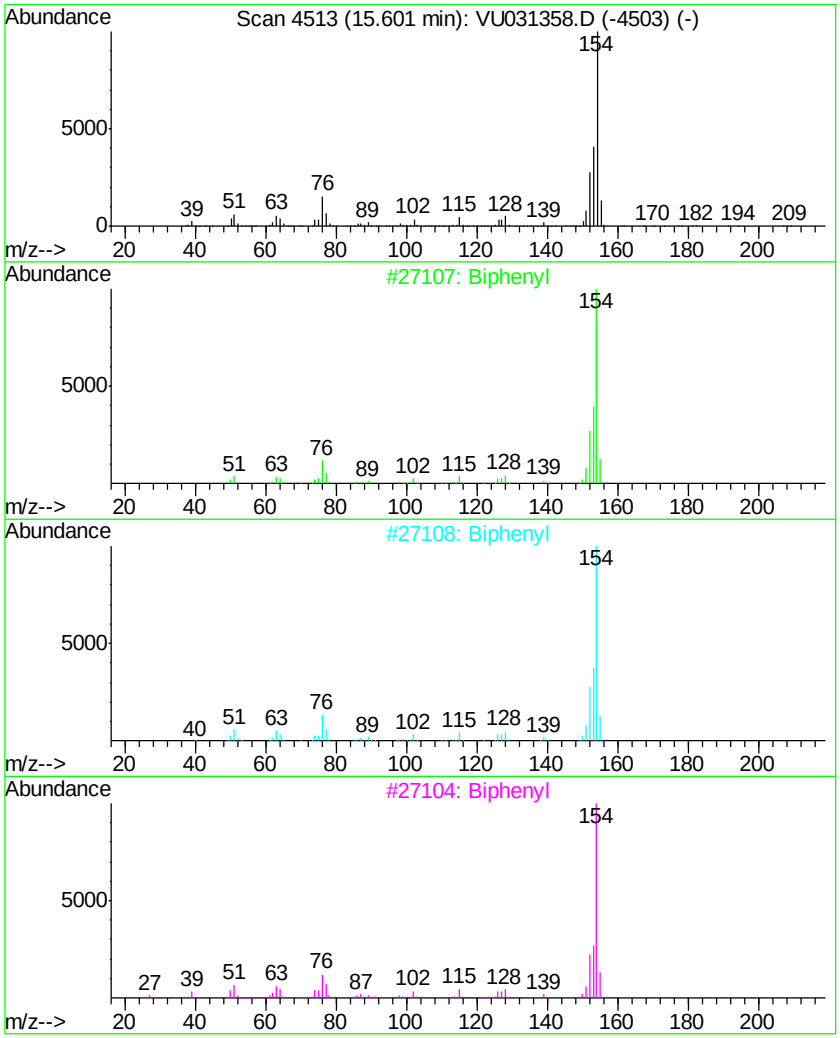
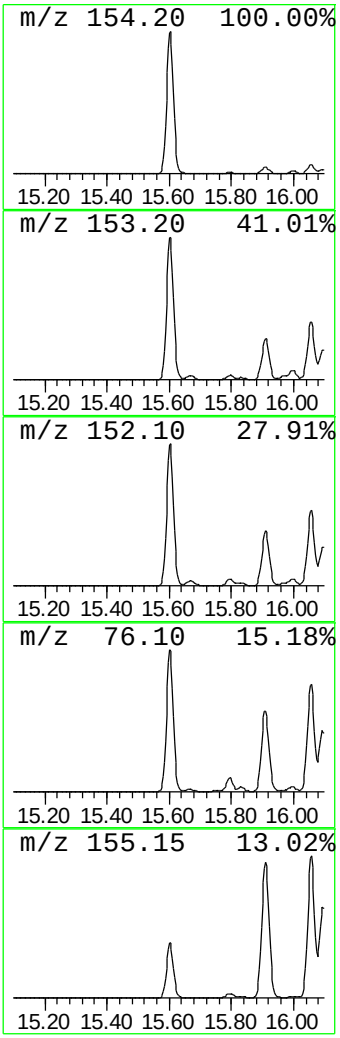
Peak Number 36 Biphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	158.32 ug/L	4837080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	95
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	94
4	Biphenyl	154	C12H10	000092-52-4	93
5	Biphenyl	154	C12H10	000092-52-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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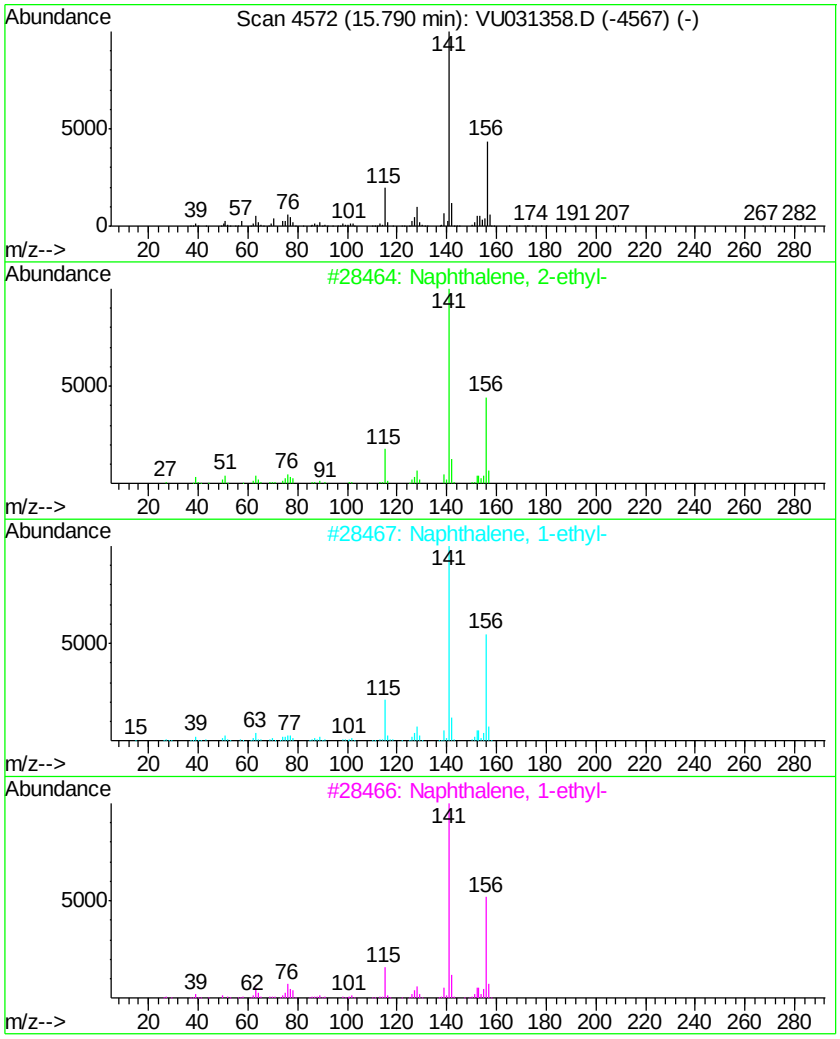
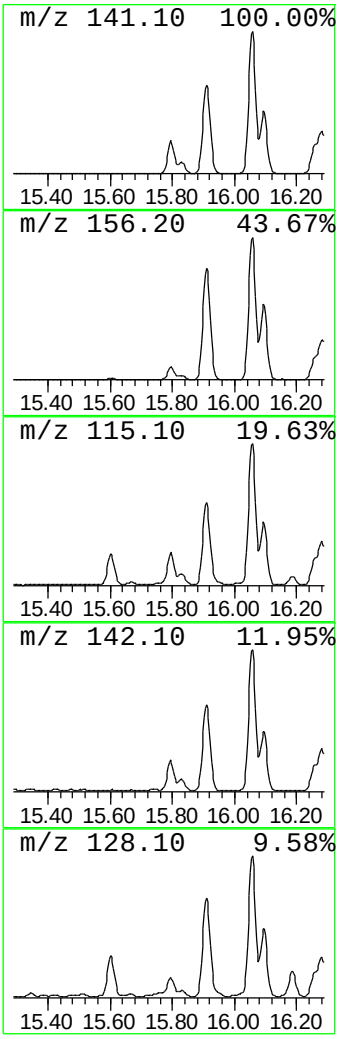
Peak Number 37 Naphthalene, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	24.92 ug/L	761354	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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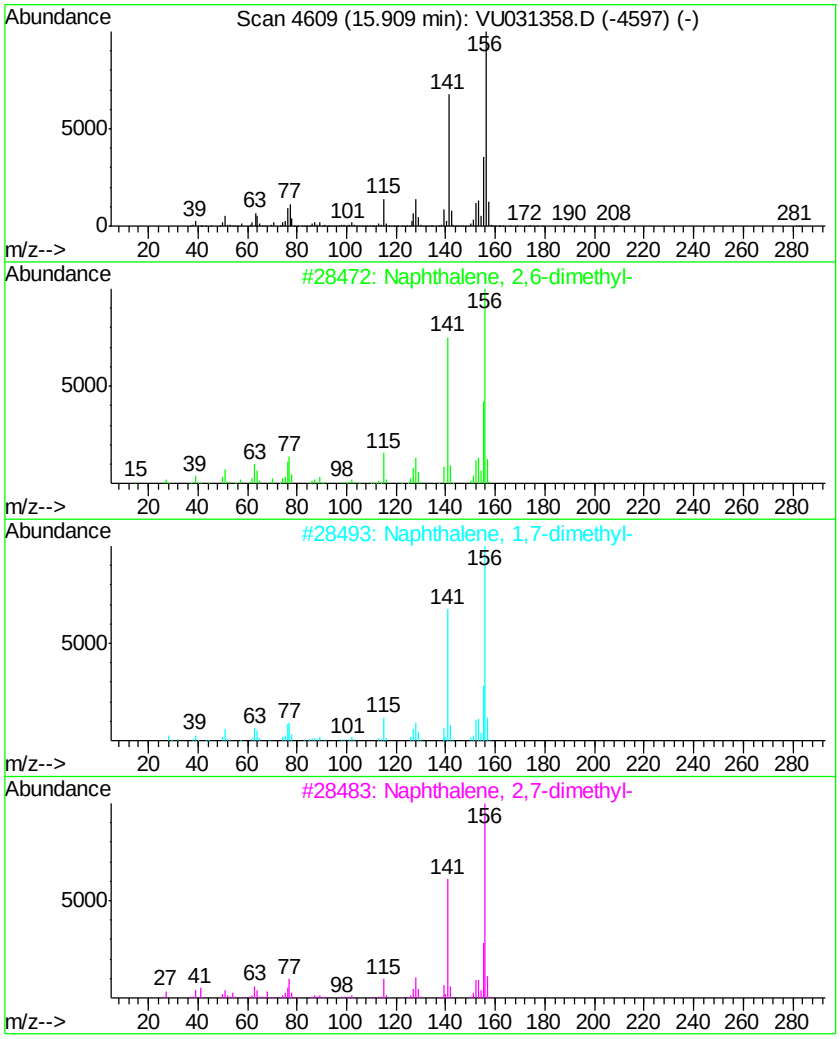
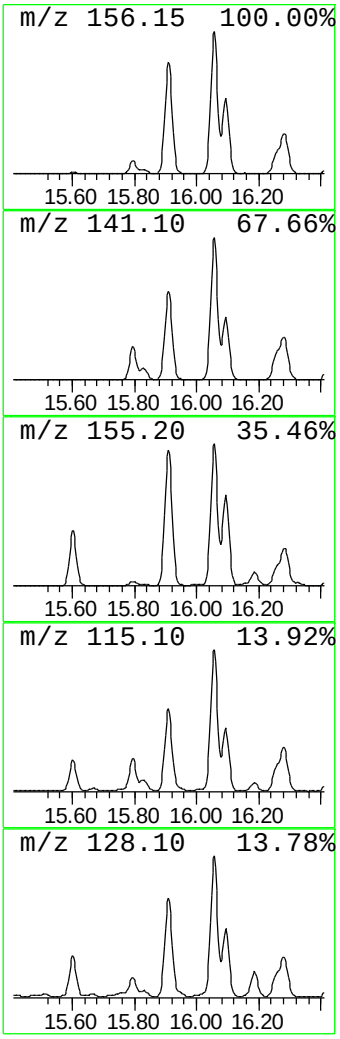
Peak Number 38 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	226.78 ug/L	6929040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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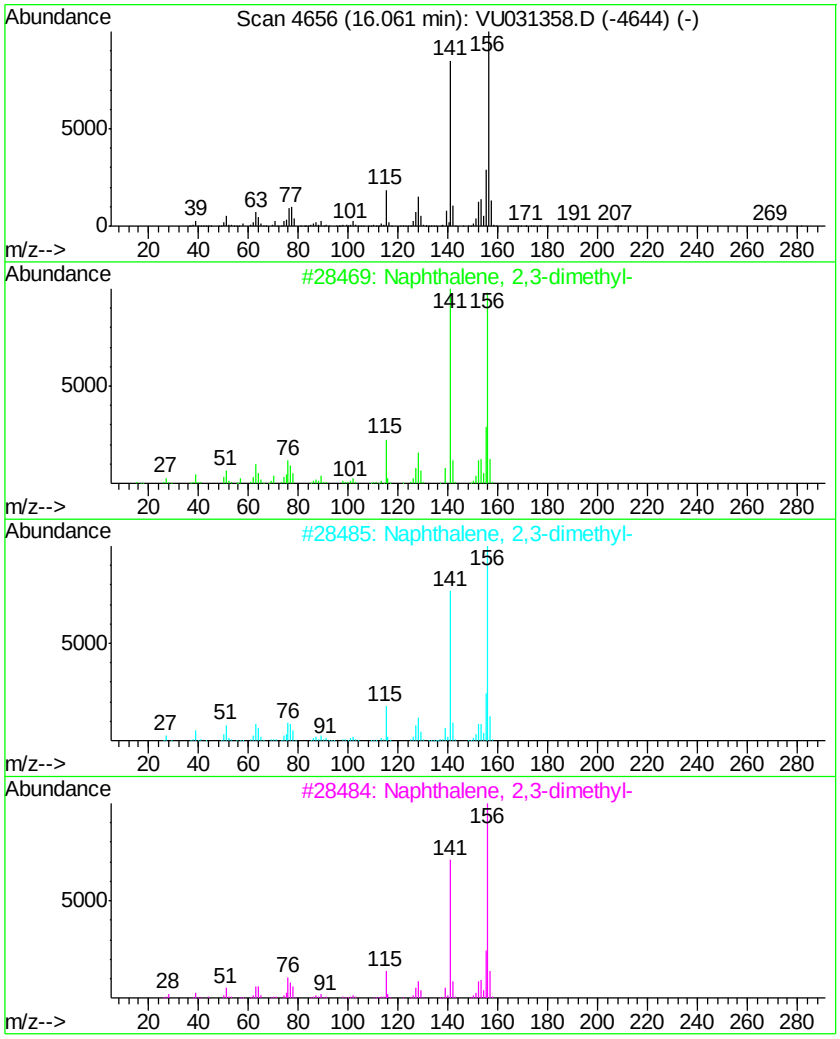
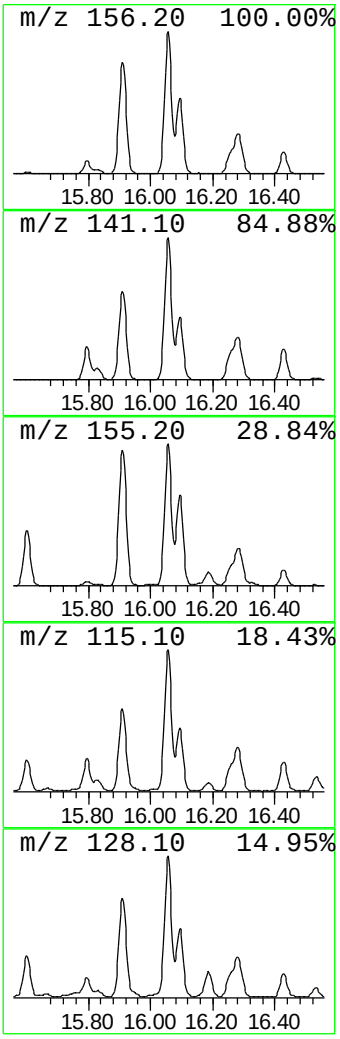
Peak Number 39 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	278.94 ug/L	8522590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042019\
Data File : VU031358.D
Acq On : 19 Apr 2019 14:51
Operator : JC/SP
Sample : K2402-06 5X
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHH8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, propyl-	10.59	3.2	ug/L	96456	3	11.48	1527680	50.0
Benzene, 1-ethyl-...	10.68	21.2	ug/L	646872	3	11.48	1527680	50.0
Benzene, 1,2,3-tr...	10.77	23.6	ug/L	722066	3	11.48	1527680	50.0
Benzene, 1-etheny...	11.22	28.9	ug/L	882661	3	11.48	1527680	50.0
Benzene, cyclopro...	11.26	11.0	ug/L	336502	3	11.48	1527680	50.0
Benzene, 1,2,4-tr...	11.57	26.2	ug/L	801280	3	11.48	1527680	50.0
Benzene, 1-etheny...	11.62	16.8	ug/L	513925	3	11.48	1527680	50.0
Indane	11.76	17.2	ug/L	524335	3	11.48	1527680	50.0
Indene	11.98	260.2	ug/L	7950310	3	11.48	1527680	50.0
Benzene, 4-ethyl-...	12.14	4.3	ug/L	129832	3	11.48	1527680	50.0
o-Cymene	12.25	11.4	ug/L	348660	3	11.48	1527680	50.0
(E)-1-Phenyl-1-bu...	12.42	17.0	ug/L	518422	3	11.48	1527680	50.0
2,4-Dimethylstyrene	12.49	5.1	ug/L	155670	3	11.48	1527680	50.0
Benzene, 1,2,3,4-...	12.65	7.6	ug/L	232327	3	11.48	1527680	50.0
Benzene, 1,2,4,5-...	12.70	26.3	ug/L	804485	3	11.48	1527680	50.0
Benzene, 1-methyl...	12.82	17.3	ug/L	529571	3	11.48	1527680	50.0
Benzene, 2-etheny...	12.96	8.4	ug/L	258099	3	11.48	1527680	50.0
(DEL) Alkane: Cyc...	13.08	3.0	ug/L	91214	3	11.48	1527680	50.0
2-Methylindene	13.18	105.0	ug/L	3209170	3	11.48	1527680	50.0
1,4-Dihydronaphth...	13.39	20.4	ug/L	623608	3	11.48	1527680	50.0
Benzo[c]thiophene	13.86	33.0	ug/L	1007190	3	11.48	1527680	50.0
unknown-01	14.14	6.5	ug/L	197403	3	11.48	1527680	50.0
1H-Indene, 1,3-di...	14.34	21.1	ug/L	643113	3	11.48	1527680	50.0
1H-Cyclopropa[b]n...	14.73	12.1	ug/L	370846	3	11.48	1527680	50.0
Benzo[b]thiophene...	14.82	10.5	ug/L	320813	3	11.48	1527680	50.0
Naphthalene, 1-me...	14.88	1458.8	ug/L	44570300	3	11.48	1527680	50.0
Benzo[b]thiophene...	14.99	8.1	ug/L	245946	3	11.48	1527680	50.0
Biphenyl	15.60	158.3	ug/L	4837080	3	11.48	1527680	50.0
Naphthalene, 2-et...	15.79	24.9	ug/L	761354	3	11.48	1527680	50.0
Naphthalene, 2,6-...	15.91	226.8	ug/L	6929040	3	11.48	1527680	50.0
Naphthalene, 2,3-...	16.06	278.9	ug/L	8522590	3	11.48	1527680	50.0