LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

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\SOMULM042719WMA.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	1.177	24	27	38	rVB4	12306	14161	0.01%	0.004%
2	1.289	57	62	69	rBV	86109	86381	0.06%	0.022%
3	1.392	88	94	112	rVB	240511	377201	0.25%	0.098%
4	1.672	175	181	195	rBV	176887	326101	0.22%	0.085%
5	2.238	346	357	373	rBV	579298	947492	0.63%	0.246%
6	2.955	572	580	584	rBV7	2688	4350	0.00%	0.001%
7	3.042	602	607	610	rBV4	1630	1600	0.00%	0.000%
8	3.135	633	636	639	rBV4	1667	1233	0.00%	0.000%
9	3.444	728	732	737	rBV6	2278	2033	0.00%	0.001%
10	3.836	848	854	857	rVB6	1313	1374	0.00%	0.000%
11	3.868	857	864	868	rVB3	1749	1897	0.00%	0.000%
12	3.952	883	890	892	rBV3	1548	1307	0.00%	0.000%
13	4.038	911	917	919	rBV2	1655	1240	0.00%	0.000%
14	4.206	954	969	1015	rBV2	183305	954778	0.64%	0.247%
15	4.643	1087	1105	1136	rVB	472457	1271739	0.85%	0.330%
16	4.971	1202	1207	1209	rBV4	2693	2255	0.00%	0.001%
17	5.080	1238	1241	1251	rVB7	1496	1728	0.00%	0.000%
18	5.154	1261	1264	1269	rVB4	1624	1200	0.00%	0.000%
19	5.180	1269	1272	1278	rVB3	1080	1221	0.00%	0.000%
20	5.328	1296	1318	1354	rBV2	1136045	3346166	2.23%	0.867%
21	5.807	1465	1467	1472	rBV4	1492	1247	0.00%	0.000%
22	5.881	1476	1490	1523	rBV	858381	1968750	1.31%	0.510%
23	6.180	1573	1583	1596	rVV	15667	33609	0.02%	0.009%
24	6.328	1613	1629	1655	rBV	694586	1580520	1.05%	0.410%
25	6.566	1697	1703	1708	rVB7	1316	1538	0.00%	0.000%
26	6.829	1781	1785	1788	rVV4	1408	1313	0.00%	0.000%
27	6.897	1799	1806	1808	rBV4	4080	4394	0.00%	0.001%
28	7.000	1834	1838	1841	rBV5	2082	1923	0.00%	0.000%
29	7.228	1896	1909	1944	rBV	332124	742612	0.49%	0.192%
30	7.353	1944	1948	1951	rVB3	1835	1637	0.00%	0.000%
31	7.562	1994	2013	2050	rBV	1164645	2325214	1.55%	0.603%
32	7.852	2092	2103	2128	rBV2	212556	476483	0.32%	0.123%
33	8.090	2172	2177	2183	rBV7	1737	2278	0.00%	0.001%
34	8.231	2212	2221	2234	rVB3	11950	22083	0.01%	0.006%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

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\SOMULM042719WMA.M
Title : VOC Analysis

35	8.337	2237	2254	2288	rBV	835393	2154897	1.44%	0.559%
36	8.803	2395	2399	2403	rBV6	2315	2930	0.00%	0.001%
37	8.961	2444	2448	2452	rBV5	2257	2334	0.00%	0.001%
38	9.093	2475	2489	2517	rBV	1183404	2395812	1.60%	0.621%
39	9.244	2532	2536	2539	rBV6	3209	2911	0.00%	0.001%
40	9.379	2563	2578	2612	rBV	417959	790925	0.53%	0.205%
41	9.566	2628	2636	2641	rBV10	4504	6985	0.00%	0.002%
42	9.781	2691	2703	2734	rBV	627626	1135938	0.76%	0.294%
43	9.910	2740	2743	2745	rBV3	3212	2291	0.00%	0.001%
44	9.948	2751	2755	2769	rVB3	9556	17161	0.01%	0.004%
45	10.035	2777	2782	2783	rBV5	10008	8135	0.01%	0.002%
46	10.167	2812	2823	2844	rBV	236444	423837	0.28%	0.110%
47	10.437	2895	2907	2919	rBV	958416	1565410	1.04%	0.406%
48	10.591	2946	2955	2967	rBV	61234	110208	0.07%	0.029%
49	10.681	2971	2983	3001	rVV	1766570	3544647	2.36%	0.919%
50	10.771	3002	3011	3032	rVB	761332	1264275	0.84%	0.328%
51	10.971	3062	3073	3097	rBV	669777	1264233	0.84%	0.328%
52	11.147	3112	3128	3141	rBV	2525974	4061076	2.71%	1.053%
53	11.218	3141	3150	3159	rVV	457557	715681	0.48%	0.185%
54	11.270	3160	3166	3177	rVB3	86250	132588	0.09%	0.034%
55	11.427	3208	3215	3223	rVV	126149	179193	0.12%	0.046%
56	11.485	3223	3233	3250	rVV	1413601	2236295	1.49%	0.580%
57	11.569	3250	3259	3269	rVV	820222	1252155	0.83%	0.325%
58	11.627	3269	3277	3297	rVB	443846	700560	0.47%	0.182%
59	11.781	3312	3325	3340	rBV2	455573	936434	0.62%	0.243%
60	11.861	3340	3350	3366	rVB3	1532723	2901788	1.93%	0.752%
61	11.980	3378	3387	3397	rBV	759097	1177293	0.78%	0.305%
62	12.147	3429	3439	3442	rBV	246737	368766	0.25%	0.096%
63	12.247	3456	3470	3479	rVB	532807	970791	0.65%	0.252%
64	12.305	3480	3488	3498	rBV2	224593	397962	0.27%	0.103%
65	12.424	3517	3525	3535	rVB	909416	1358935	0.91%	0.352%
66	12.485	3536	3544	3557	rVB4	261545	418815	0.28%	0.109%
67	12.649	3588	3595	3602	rVB	233982	327133	0.22%	0.085%
68	12.700	3602	3611	3624	rBV	661312	1192886	0.79%	0.309%
69	12.823	3641	3649	3660	rBV	570578	981517	0.65%	0.254%
70	12.961	3686	3692	3706	rVB	177685	264660	0.18%	0.069%
71	13.118	3732	3741	3750	rBV3	1021101	1556022	1.04%	0.403%

LSC Area Percent Report

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Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

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\SOMULM042719WMA.M
Title : VOC Analysis

72	13.183	3751	3761	3773	rVB	3649527	5476083	3.65%	1.419%
73	13.289	3783	3794	3810	rVB	3603241	5919460	3.94%	1.534%
74	13.376	3813	3821	3831	rBV3	181618	407436	0.27%	0.106%
75	13.749	3921	3937	3962	rBV2	82087340	150092391	100.00%	38.901%
76	13.858	3964	3971	3994	rVB	902440	1528776	1.02%	0.396%
77	14.138	4051	4058	4064	rBV2	302753	454550	0.30%	0.118%
78	14.337	4111	4120	4129	rBV2	643152	1117406	0.74%	0.290%
79	14.462	4150	4159	4175	rVB3	535739	1125997	0.75%	0.292%
80	14.585	4191	4197	4210	rVB2	255300	388861	0.26%	0.101%
81	14.729	4236	4242	4258	rVB	351723	650794	0.43%	0.169%
82	14.819	4262	4270	4275	rBV	327166	485716	0.32%	0.126%
83	14.877	4275	4288	4308	rVB2	41961095	65396738	43.57%	16.950%
84	15.060	4332	4345	4365	rBV	25129731	39312642	26.19%	10.189%
85	15.604	4503	4514	4524	rBV	3897128	6057489	4.04%	1.570%
86	15.794	4565	4573	4581	rBV	2026964	2843403	1.89%	0.737%
87	15.909	4598	4609	4626	rBV	5034404	8683986	5.79%	2.251%
88	16.054	4644	4654	4661	rBV	7073543	11112880	7.40%	2.880%
89	16.093	4662	4666	4679	rVB	3546622	4828698	3.22%	1.252%
90	16.186	4685	4695	4707	rVV	2088505	3192889	2.13%	0.828%
91	16.279	4708	4724	4748	rVB2	1931384	4991717	3.33%	1.294%
92	16.427	4761	4770	4786	rBV	1146987	1796707	1.20%	0.466%
93	16.520	4787	4799	4818	rVV	6709495	11601546	7.73%	3.007%
94	16.626	4827	4832	4845	rVB3	479678	721003	0.48%	0.187%
95	16.732	4856	4865	4872	rBV	844989	1386292	0.92%	0.359%
96	16.967	4933	4938	4945	rVB	559034	741486	0.49%	0.192%
97	17.015	4946	4953	4976	rVB3	728067	1505794	1.00%	0.390%
98	17.163	4991	4999	5009	rVB	841195	1306245	0.87%	0.339%
99	17.224	5011	5018	5028	rVB	471615	708664	0.47%	0.184%
100	17.527	5103	5112	5126	rBV2	355084	664335	0.44%	0.172%

Sum of corrected areas: 385832521

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
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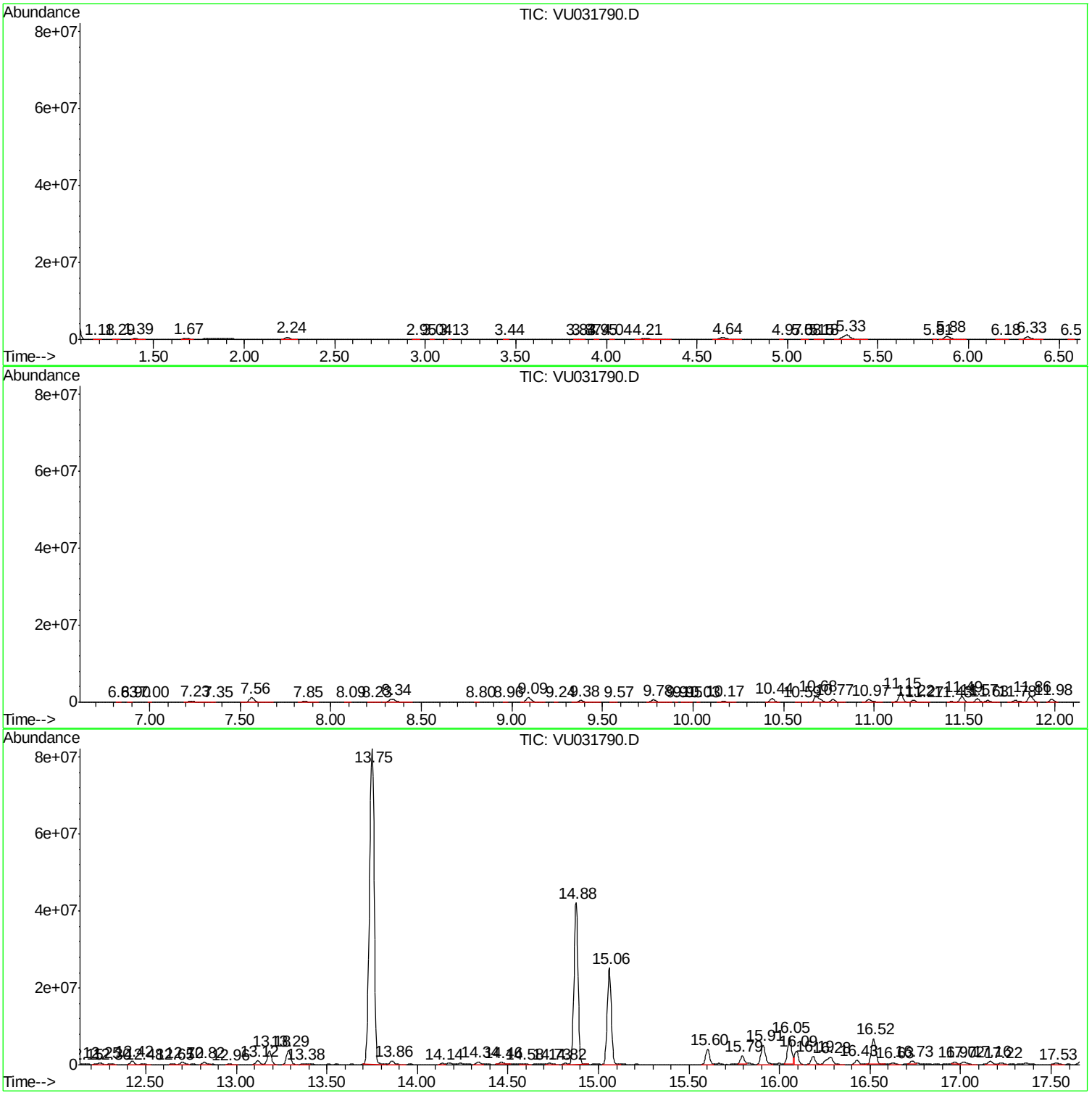
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

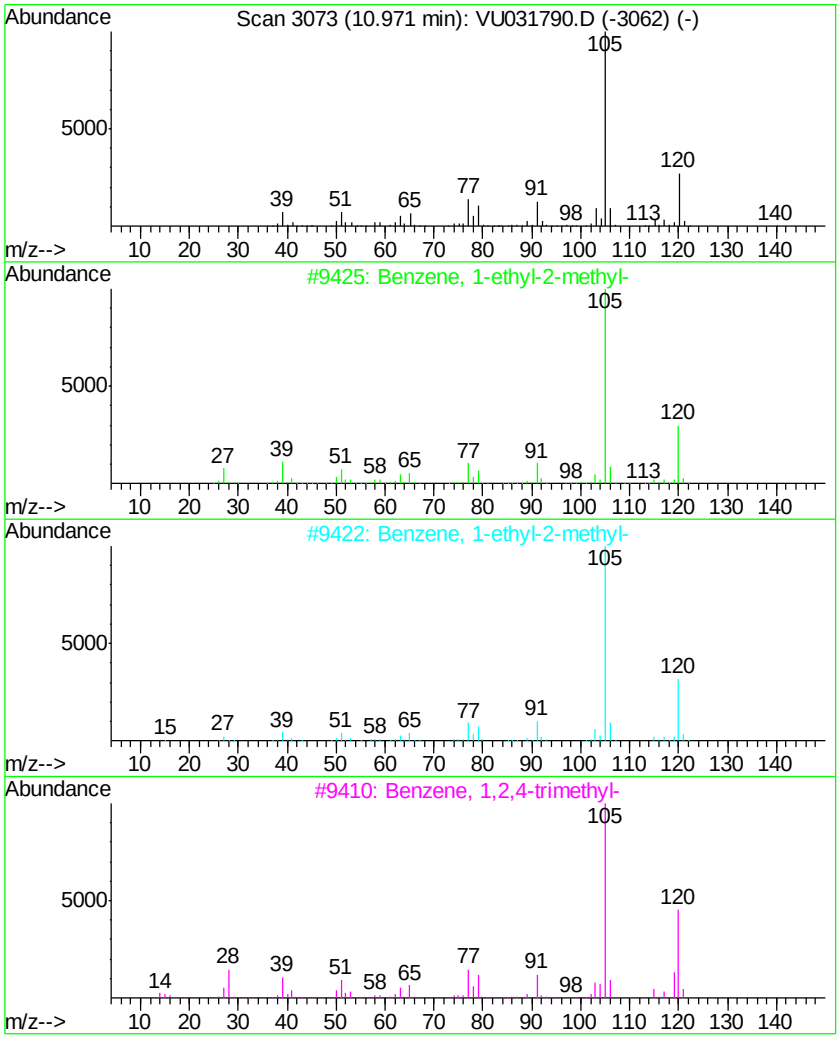
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

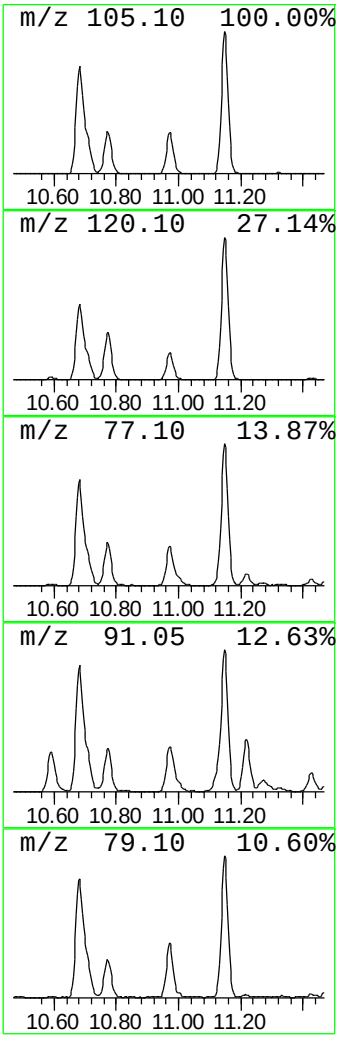
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	28.27 ug/L	1264230	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

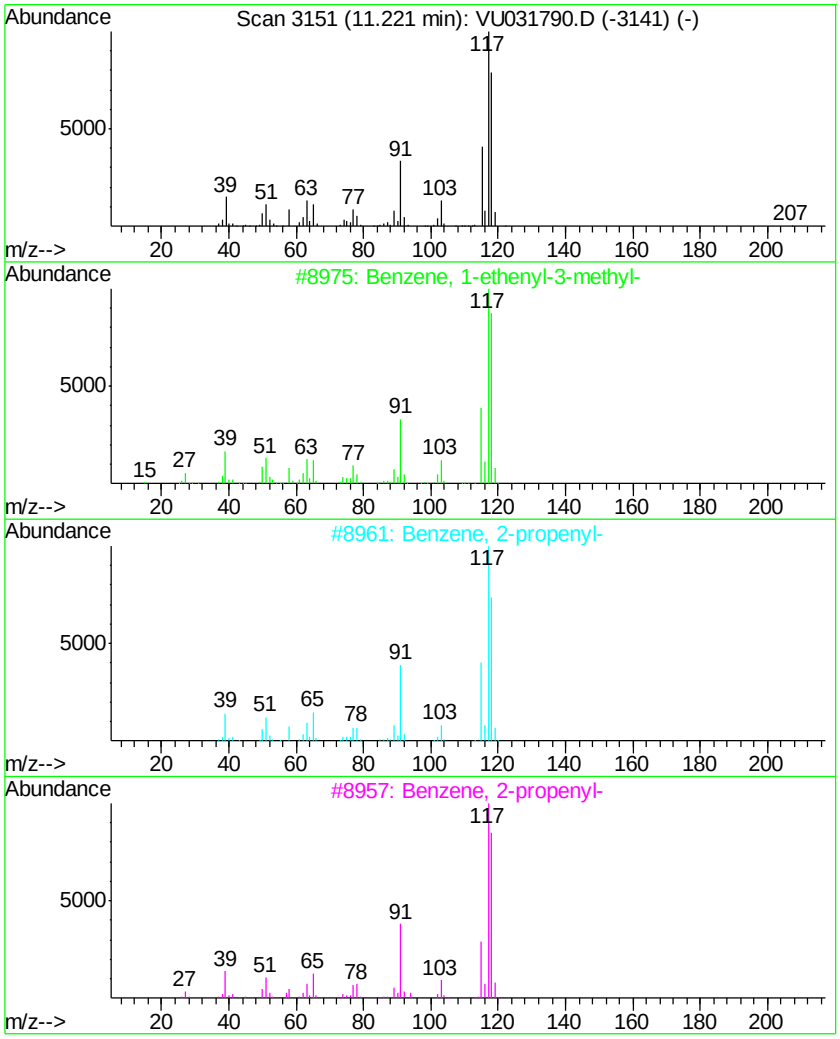
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

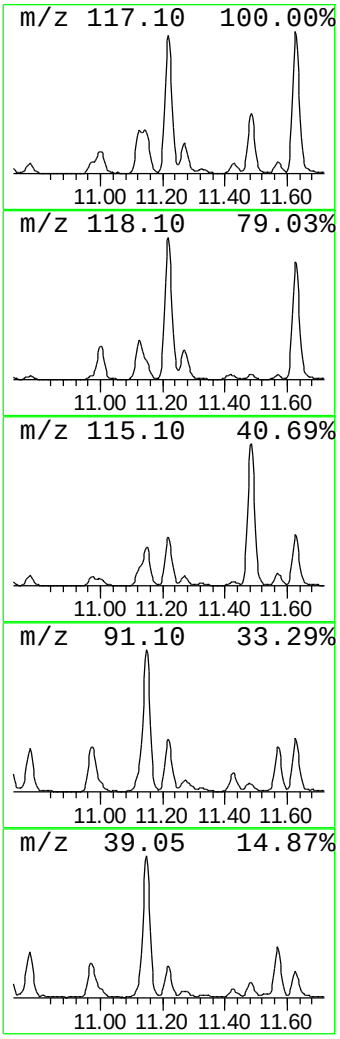
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	16.00 ug/L	715681	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, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





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Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

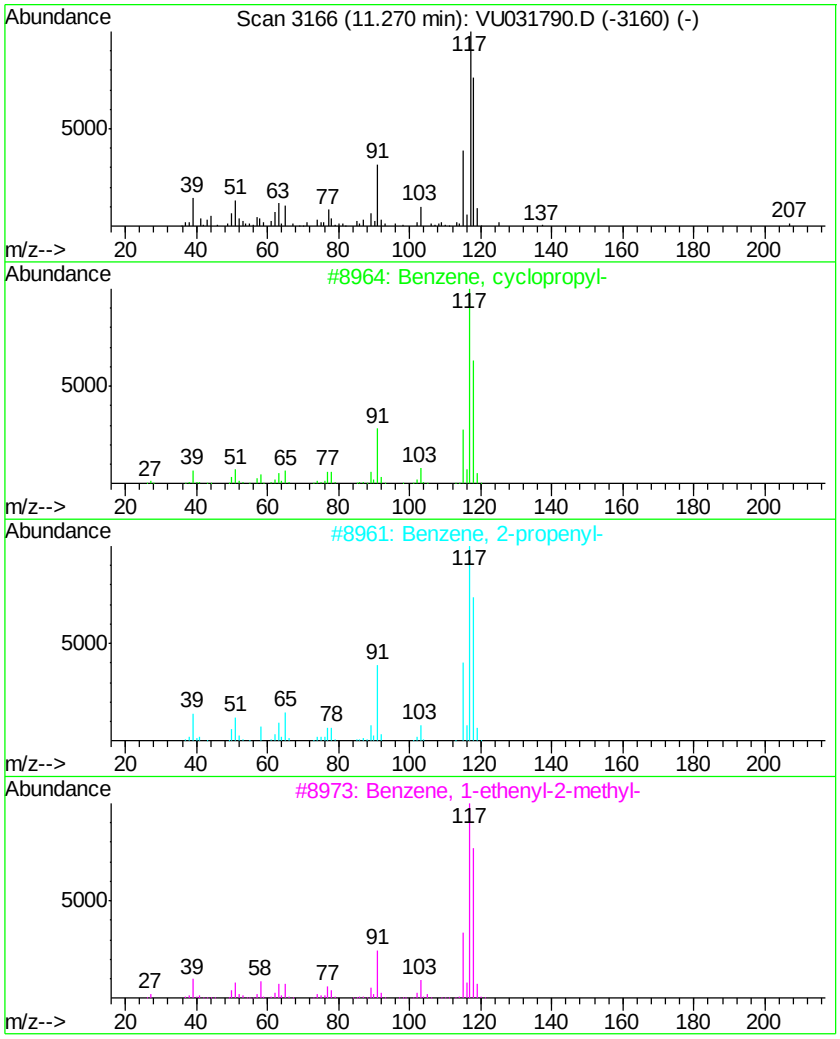
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

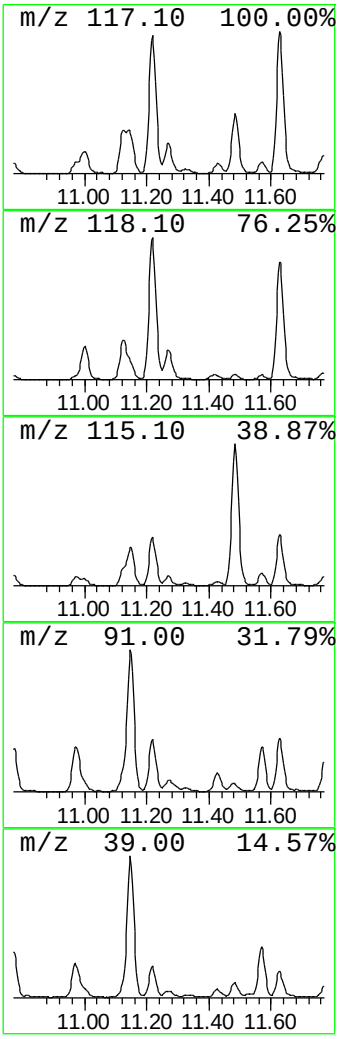
****

Peak Number 7 Benzene, cyclopropyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.96 ug/L	132588	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

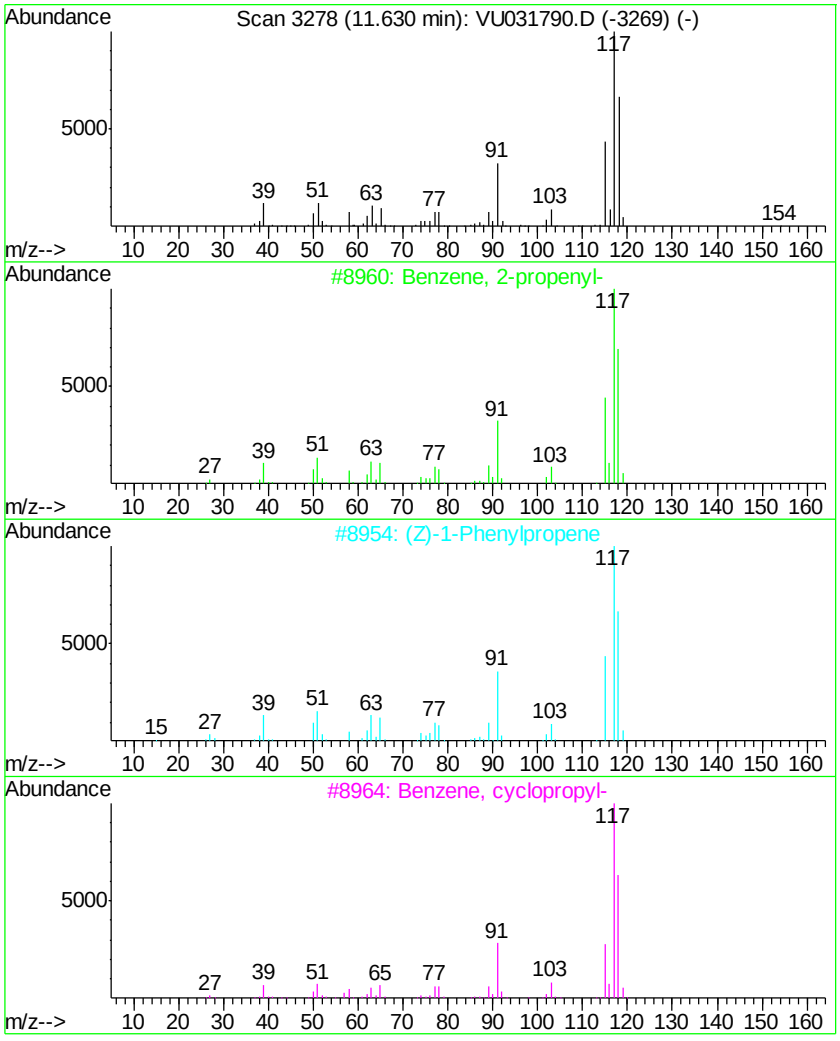
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

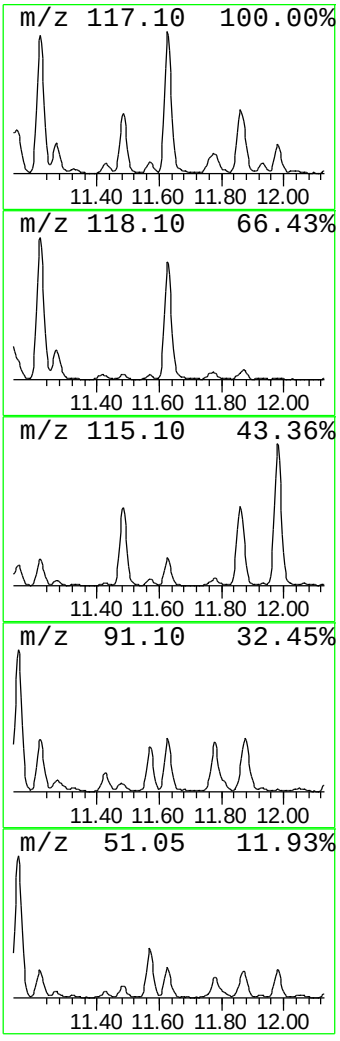
****

Peak Number 10 Benzene, 2-propenyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	15.66 ug/L	700560	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

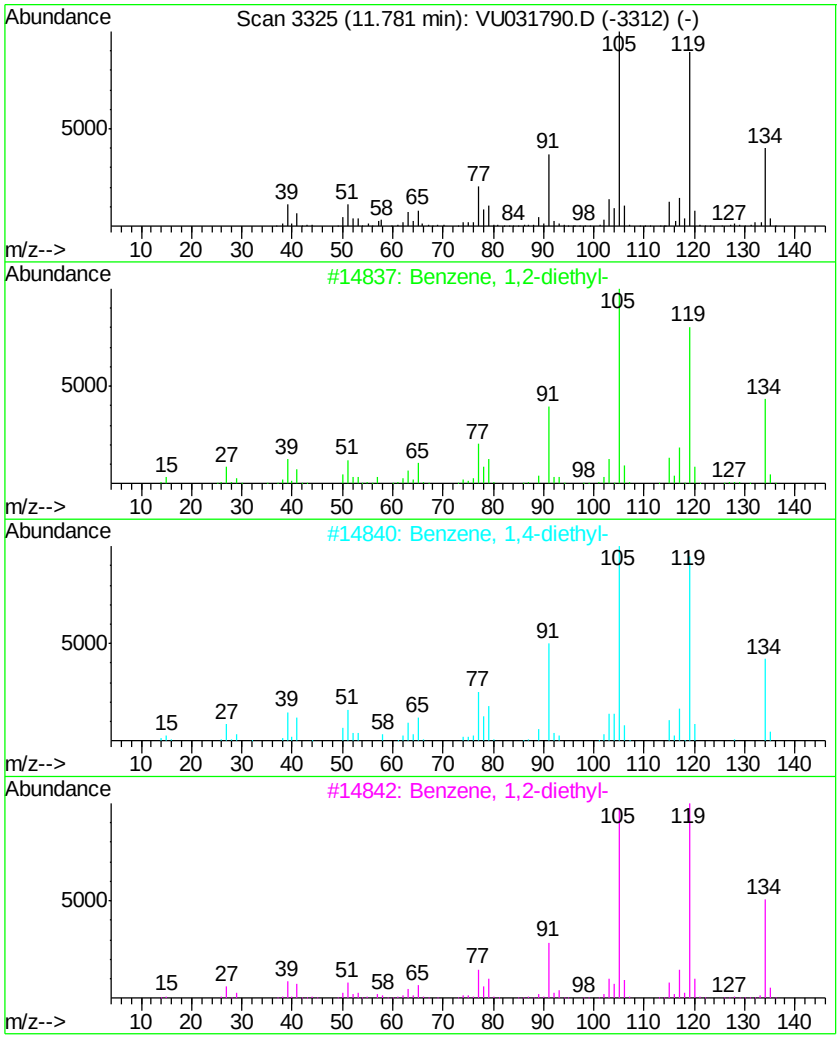
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

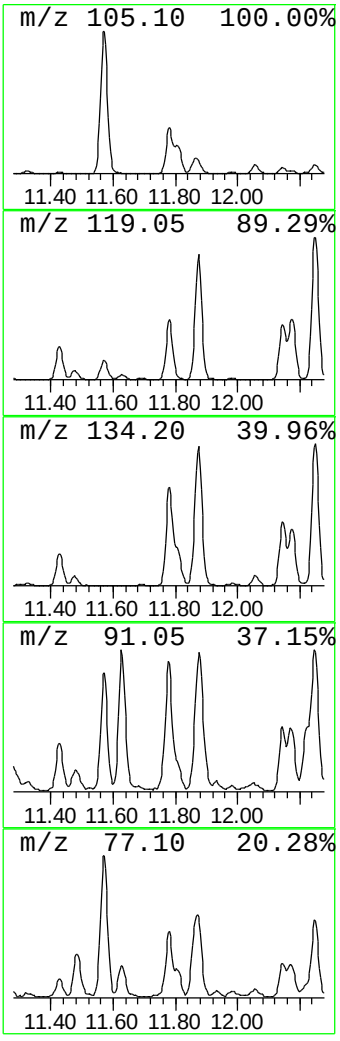
****

Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	20.94 ug/L	936434	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

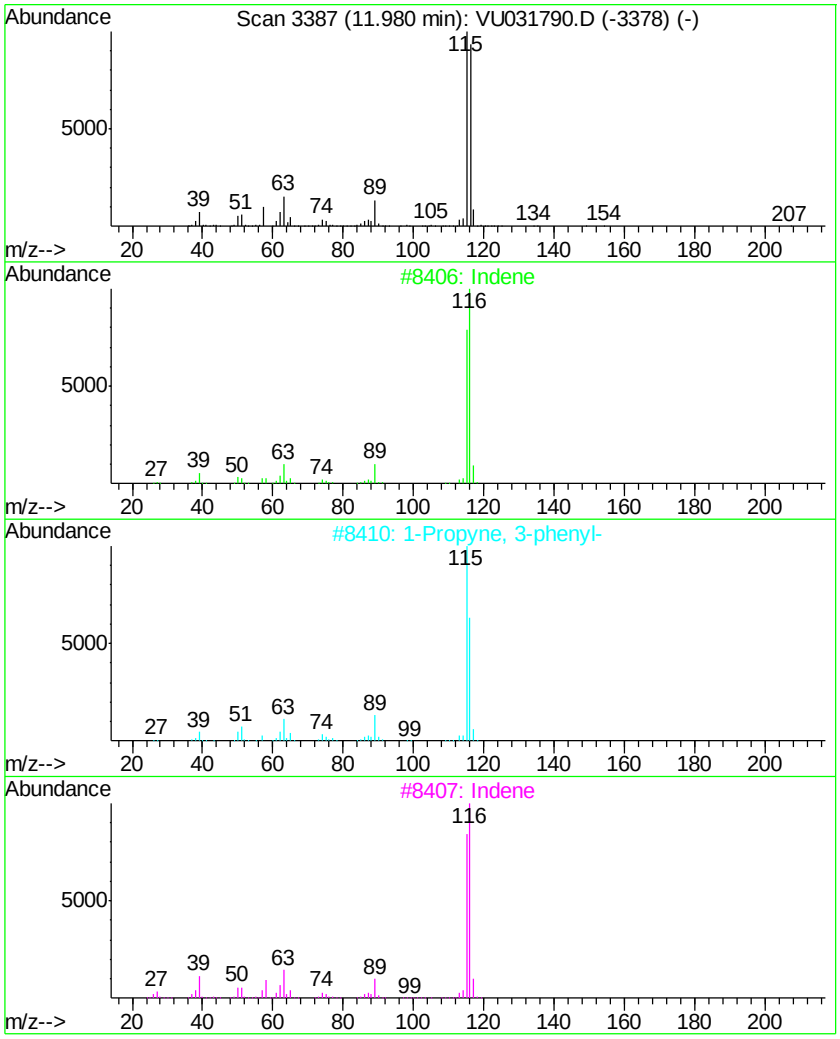
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

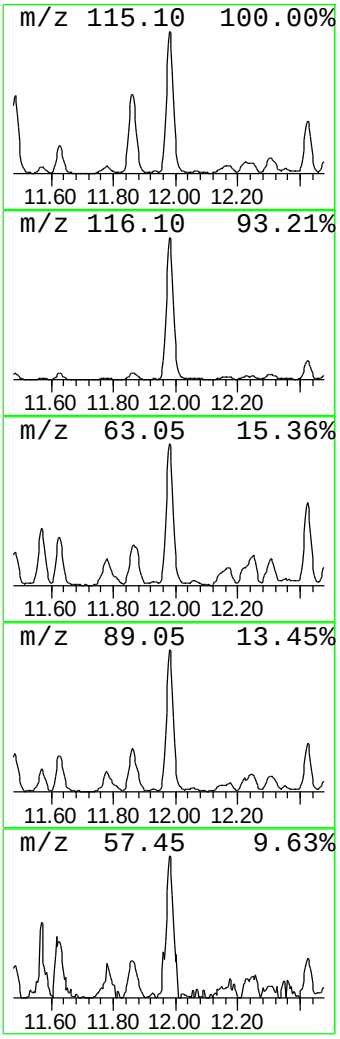
****

Peak Number 12 Indene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	26.32 ug/L	1177290	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	95
3	Indene	116	C9H8	000095-13-6	95
4	Indene	116	C9H8	000095-13-6	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

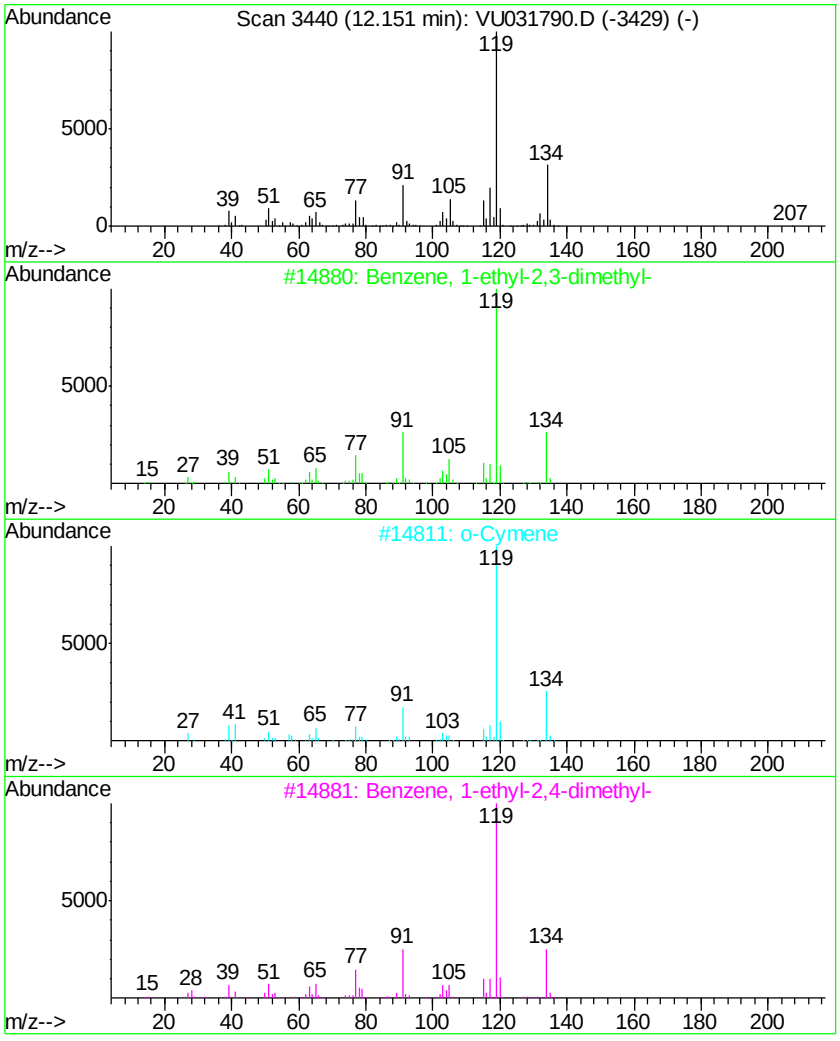
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

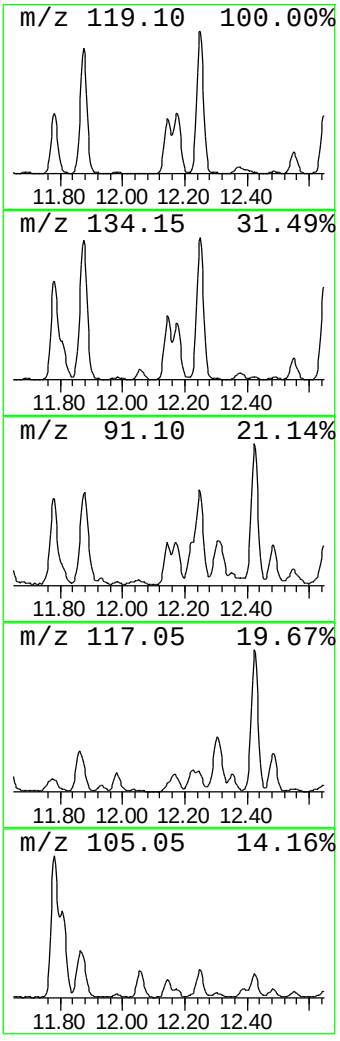
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	8.25 ug/L	368766	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	p-Cymene	134	C10H14	000099-87-6	93





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

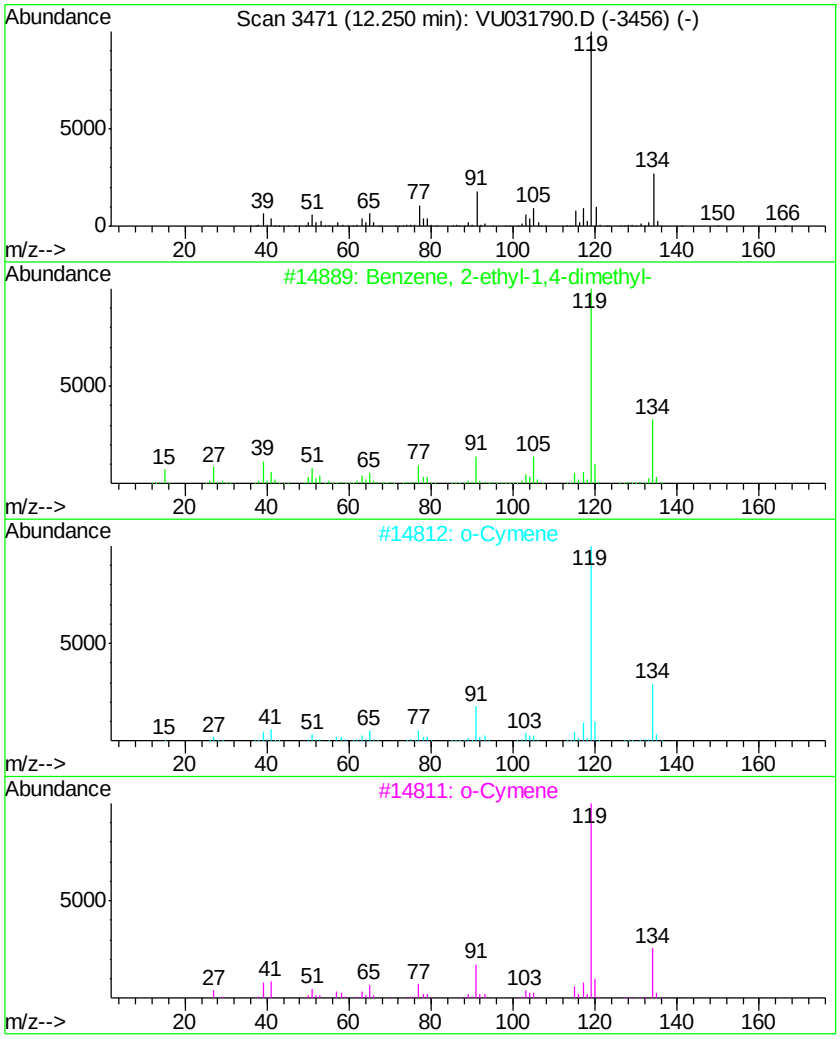
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

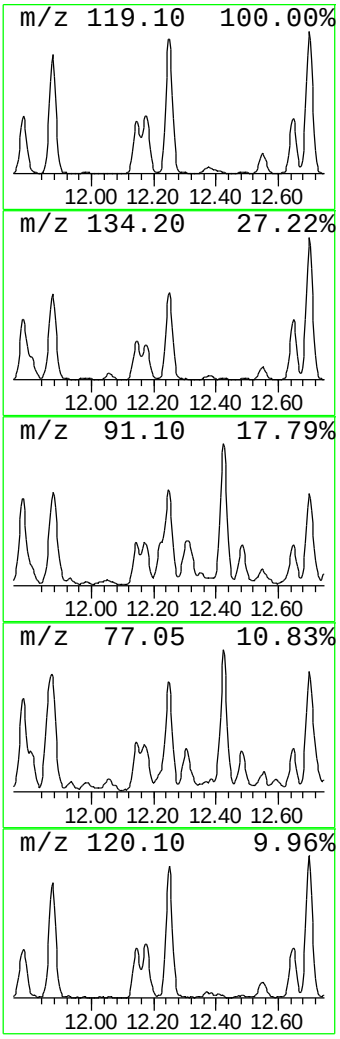
****

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	21.71 ug/L	970791	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

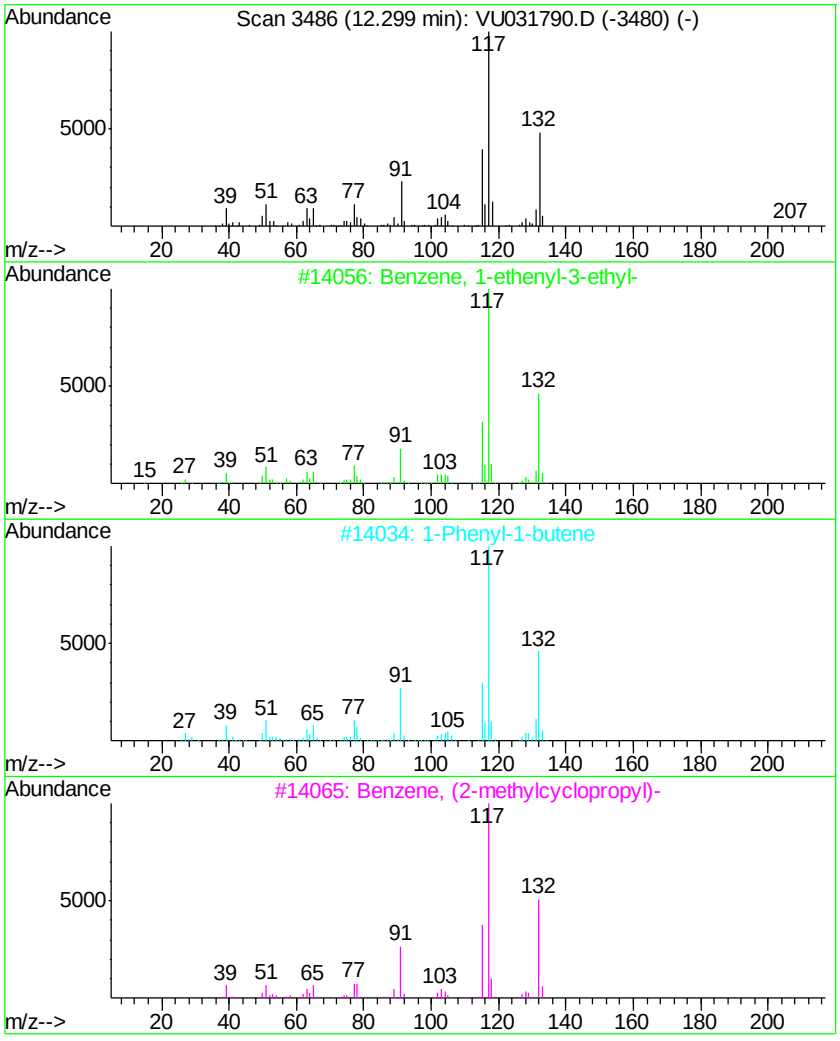
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

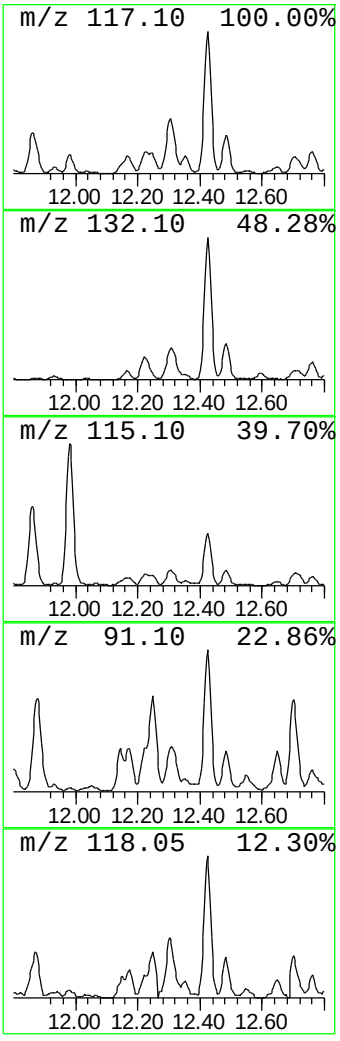
****

Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.90 ug/L	397962	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	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\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
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Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

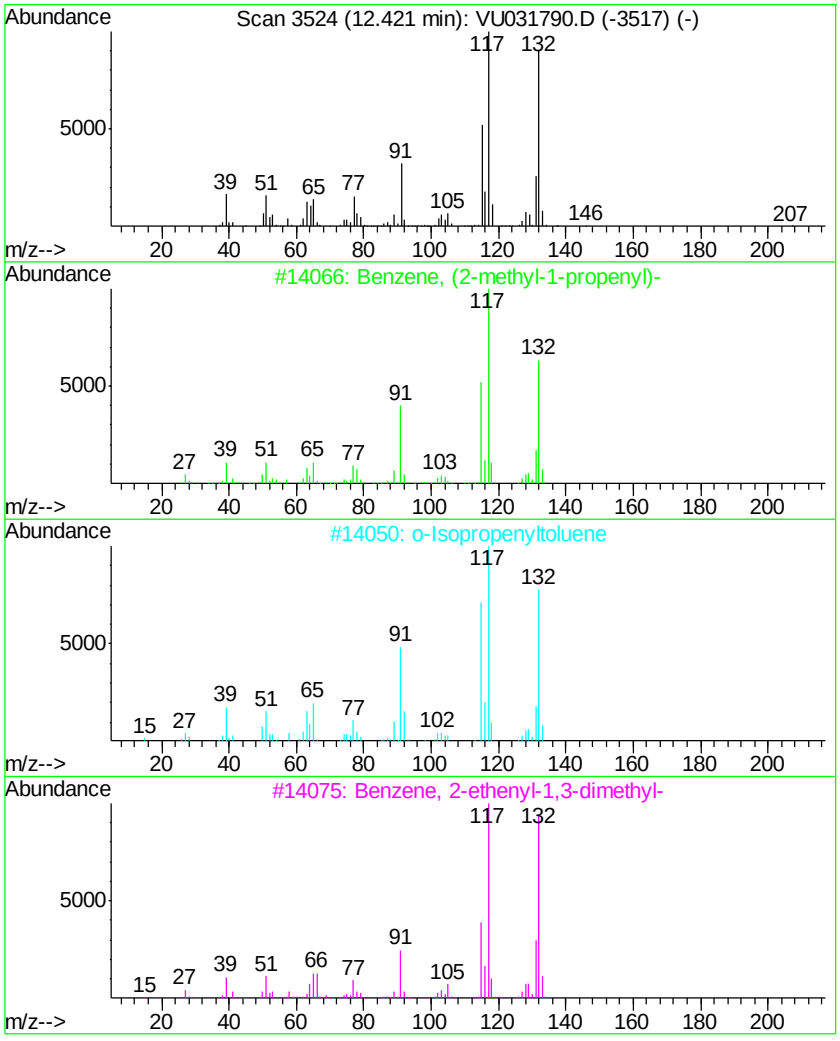
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

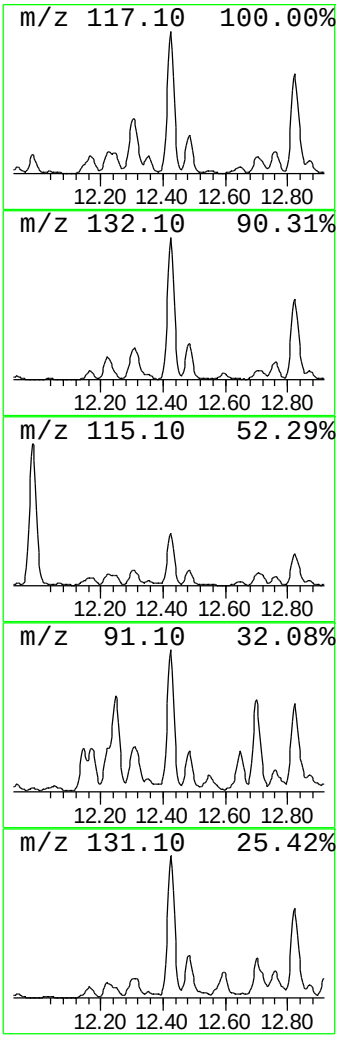
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, (2-methyl-1-propen... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	30.38 ug/L	1358940	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
2	o-Isopropenyltoluene	132	C10H12	007399-49-7	94
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	93





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

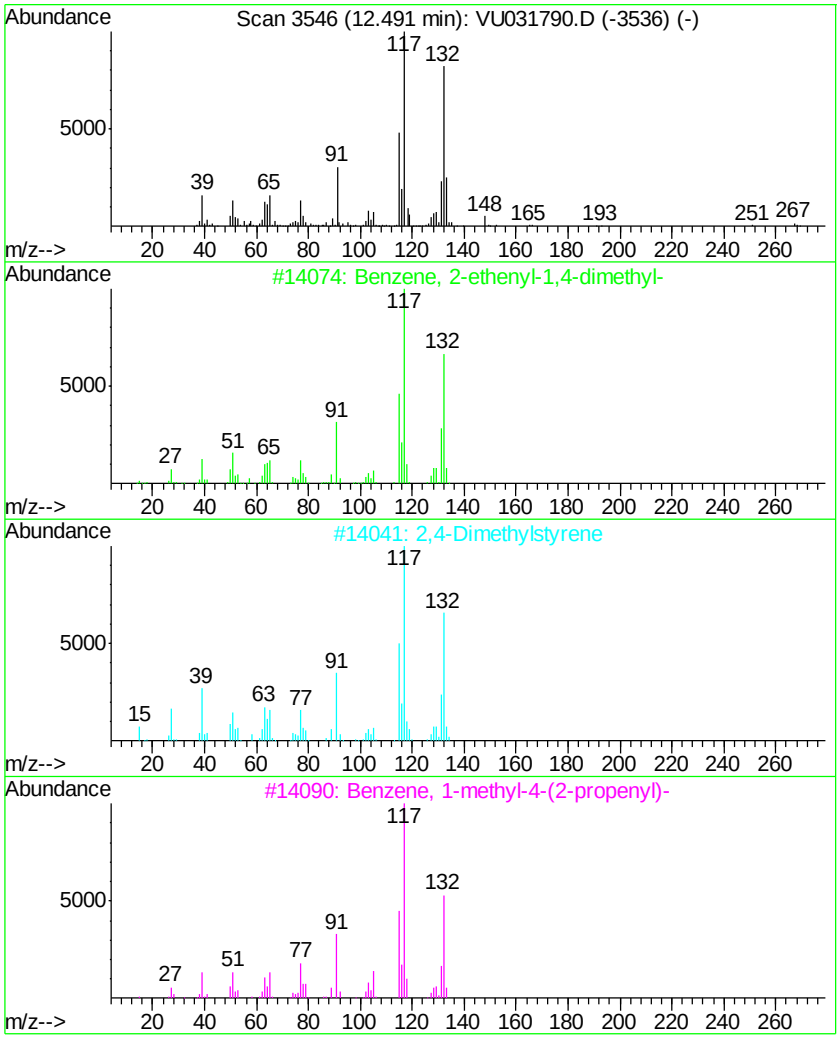
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

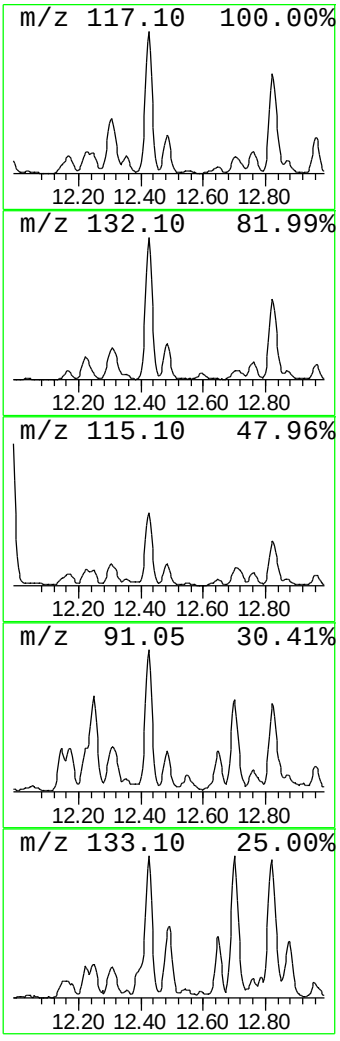
****

Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	9.36 ug/L	418815	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	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94





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Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

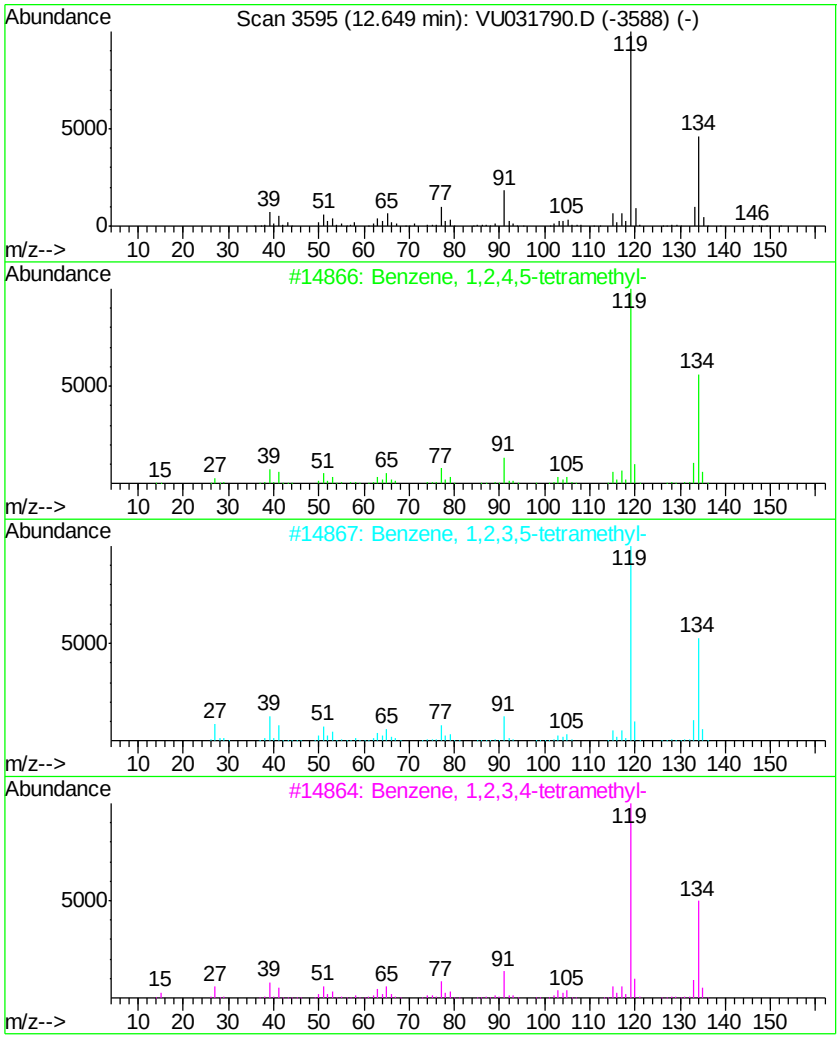
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

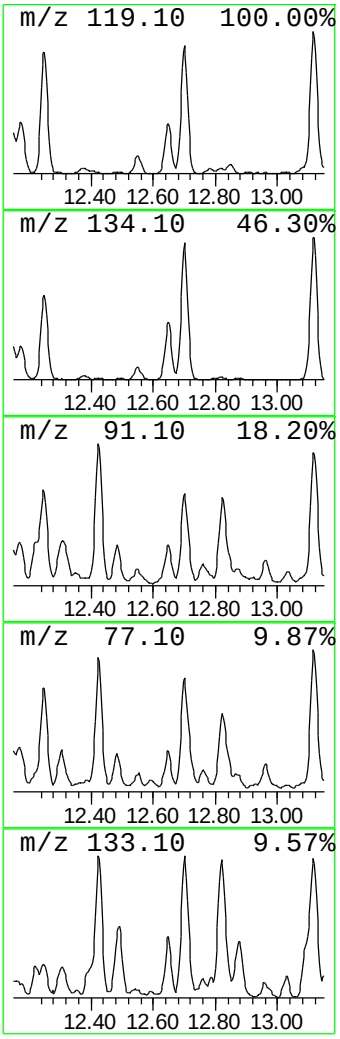
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.31 ug/L	327133	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

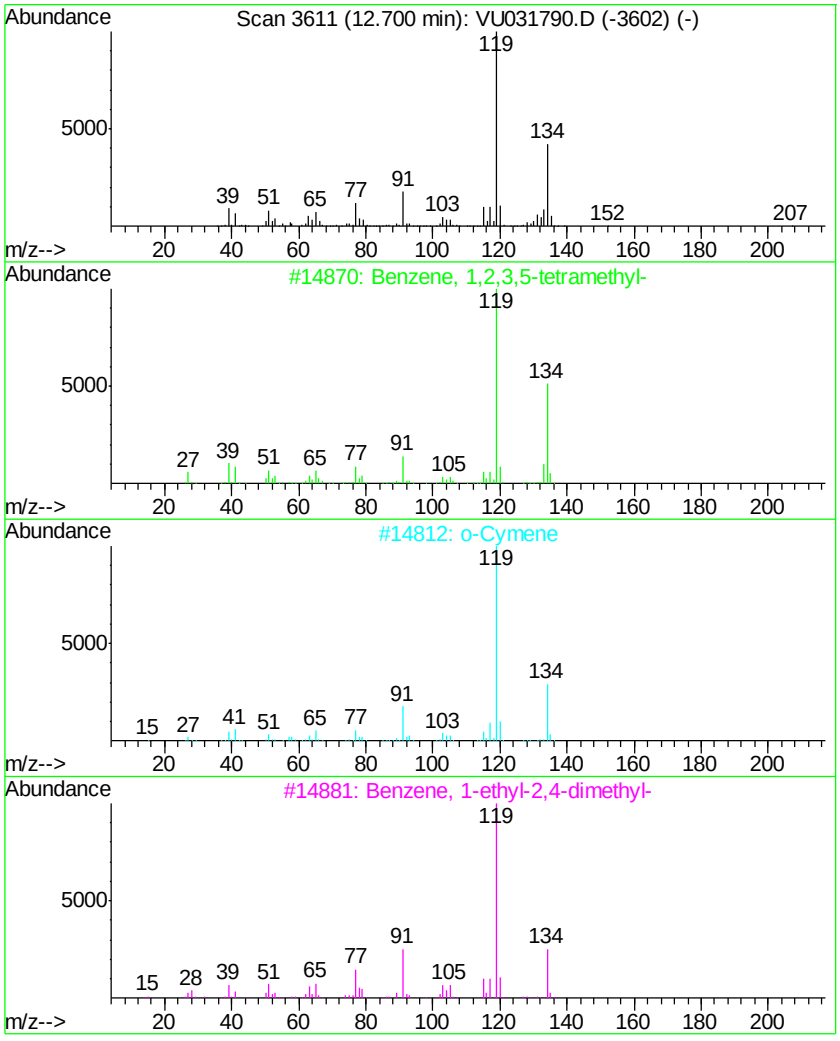
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

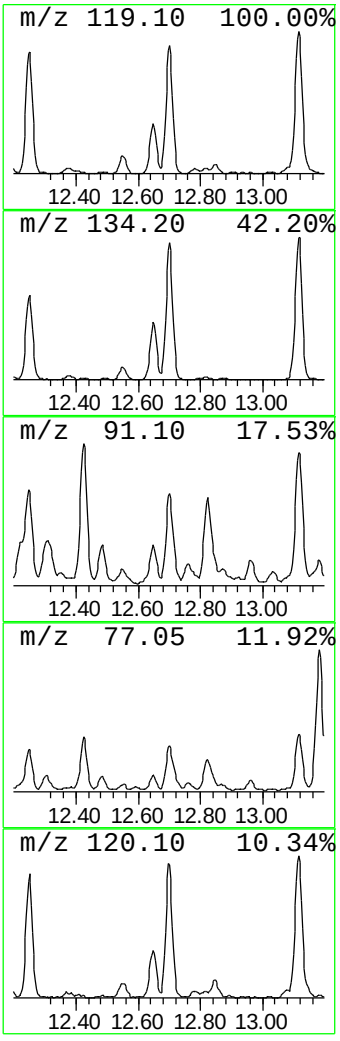
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	26.67 ug/L	1192890	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

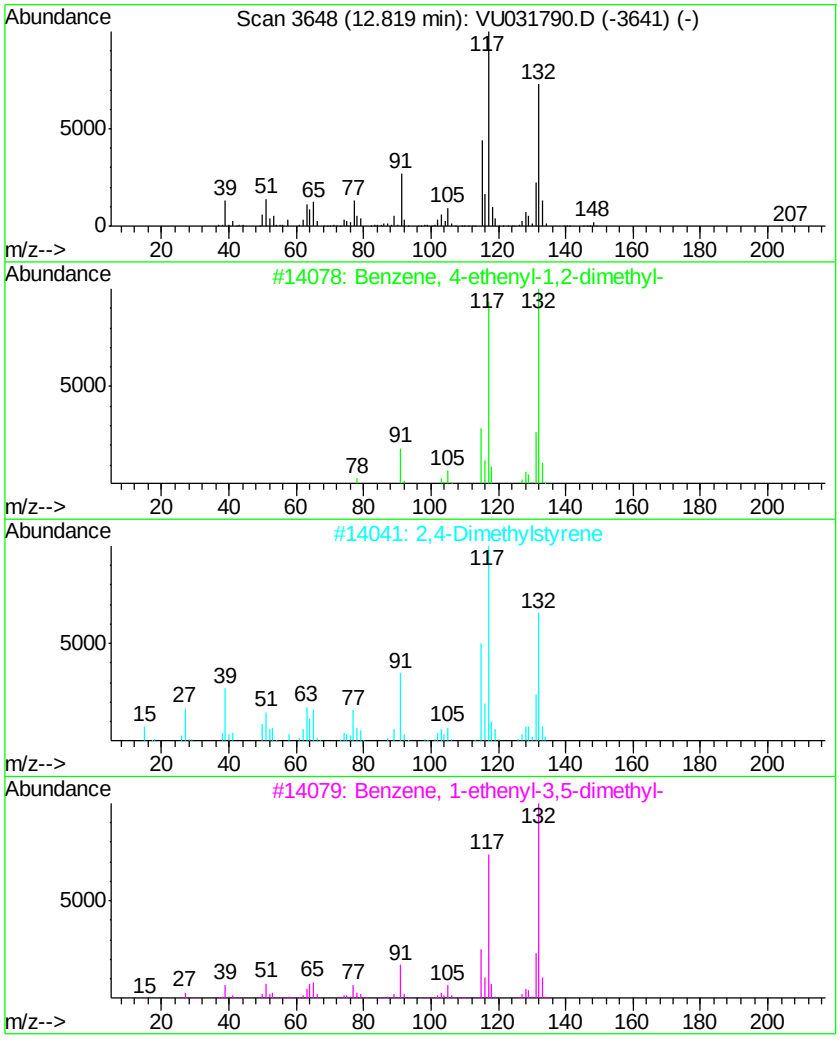
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

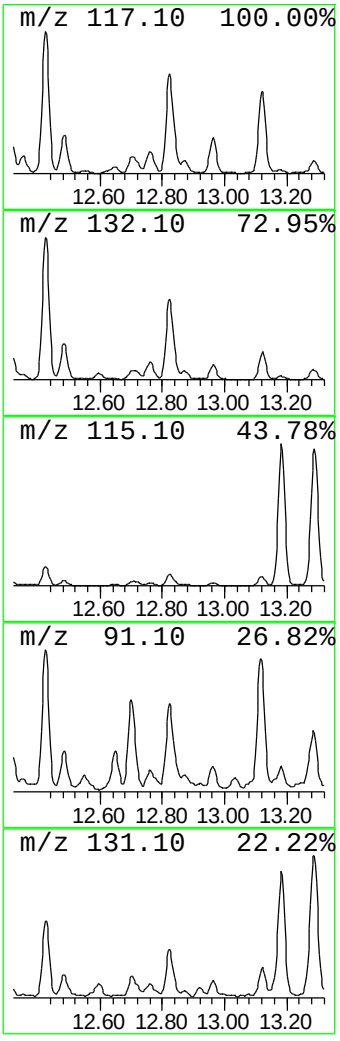
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	21.95 ug/L	981517	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	96
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

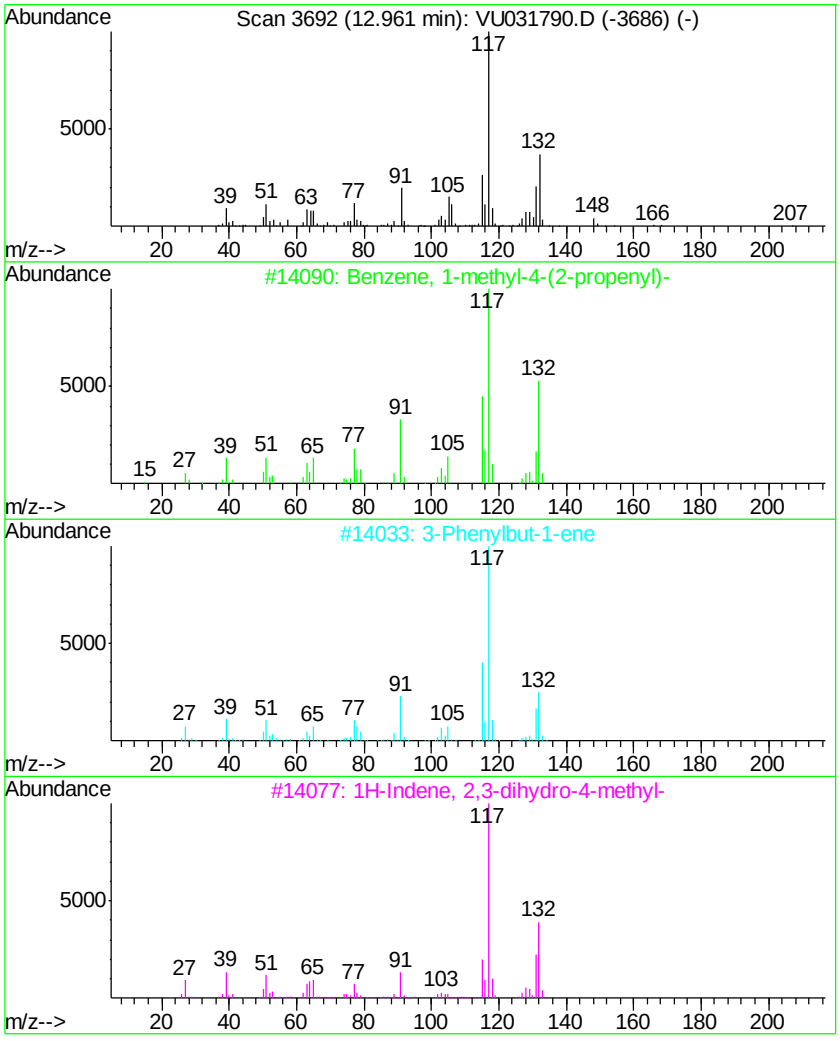
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

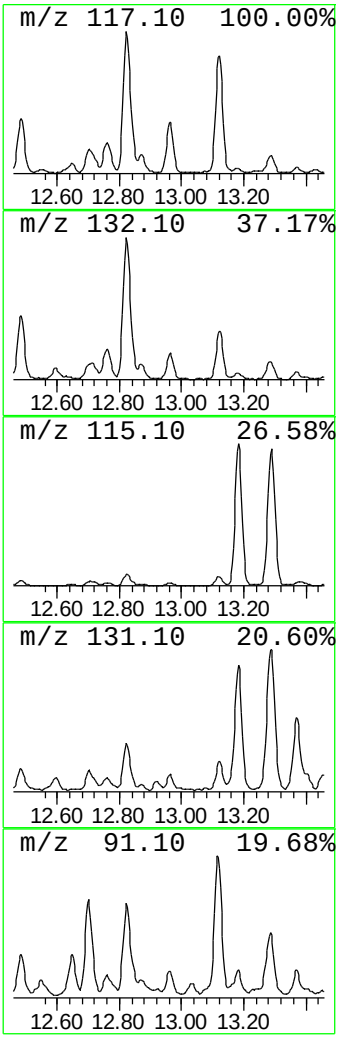
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-methyl-4-(2-prop... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.92 ug/L	264660	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	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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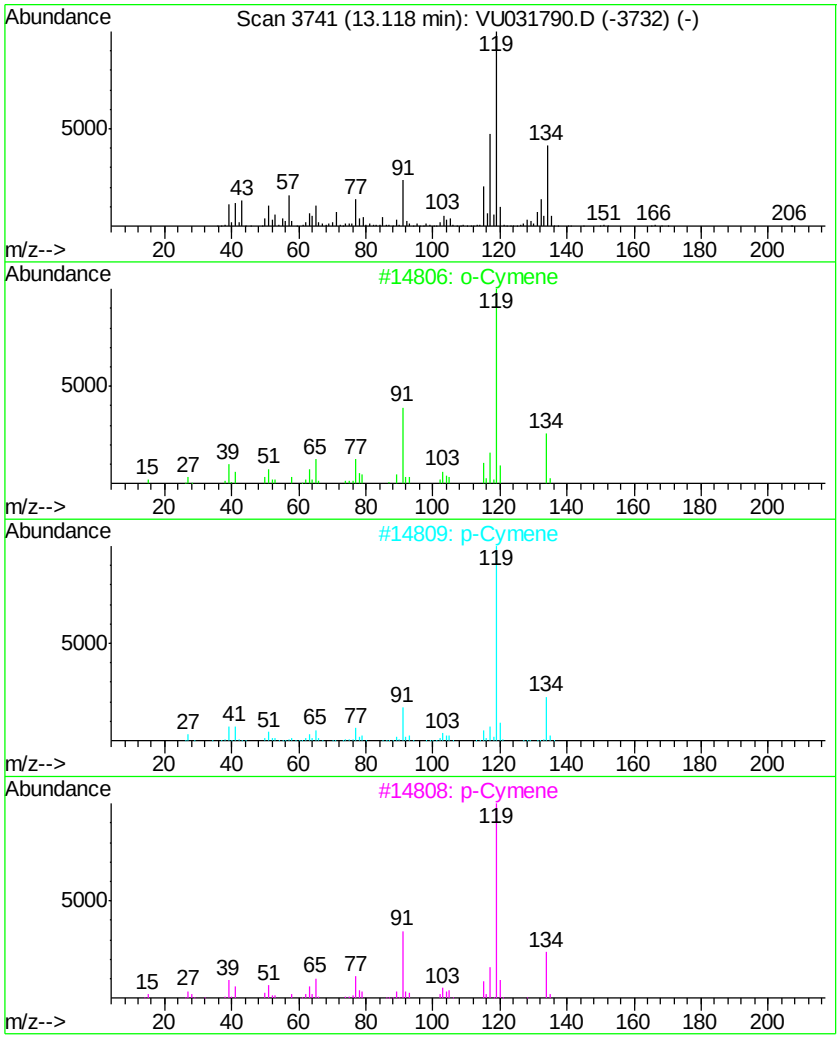
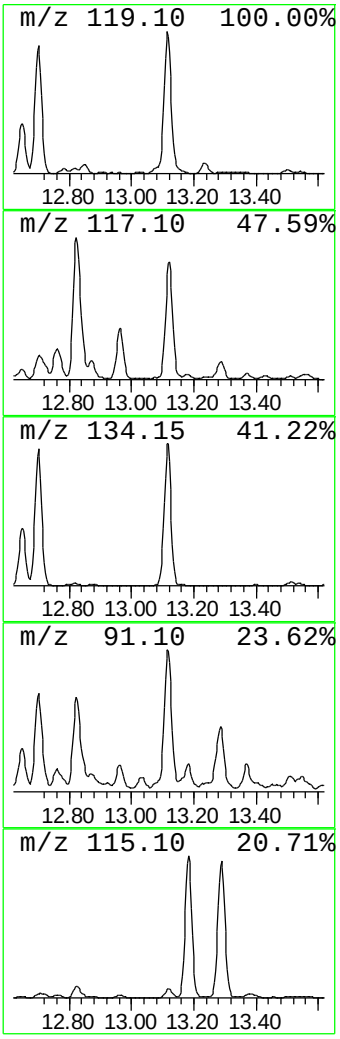
Peak Number 22 o-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	34.79 ug/L	1556020	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	p-Cymene	134	C10H14	000099-87-6	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5	o-Cymene	134	C10H14	000527-84-4	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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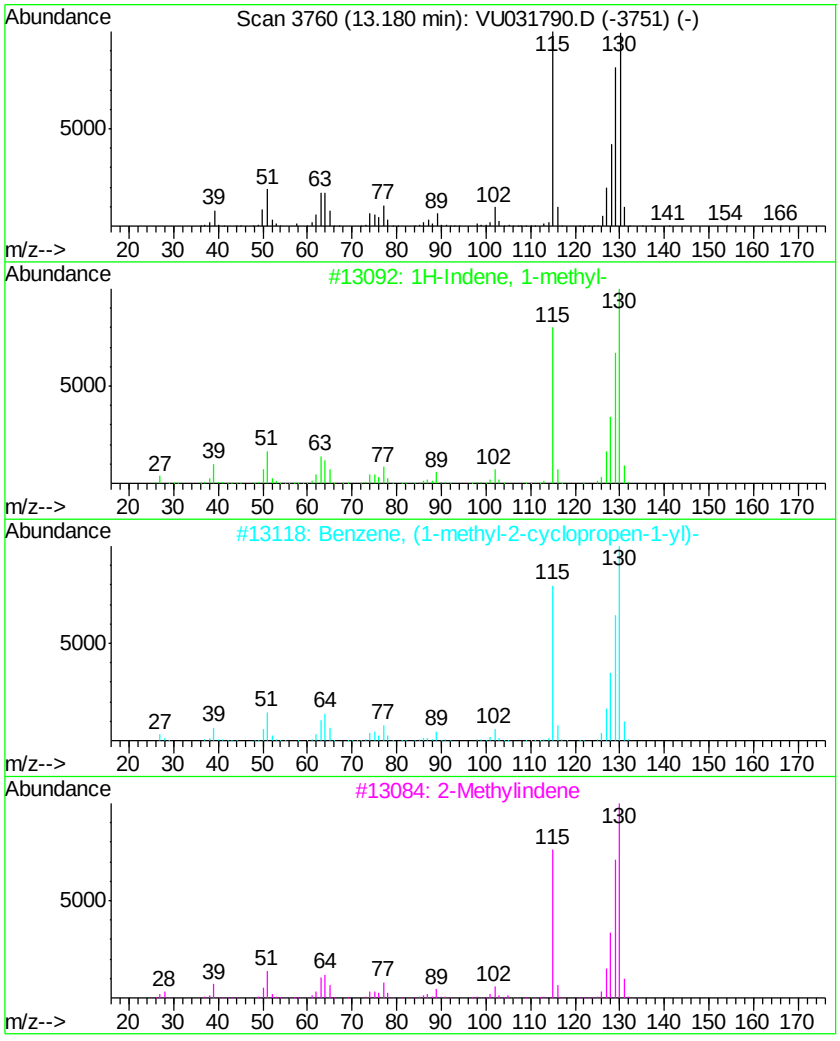
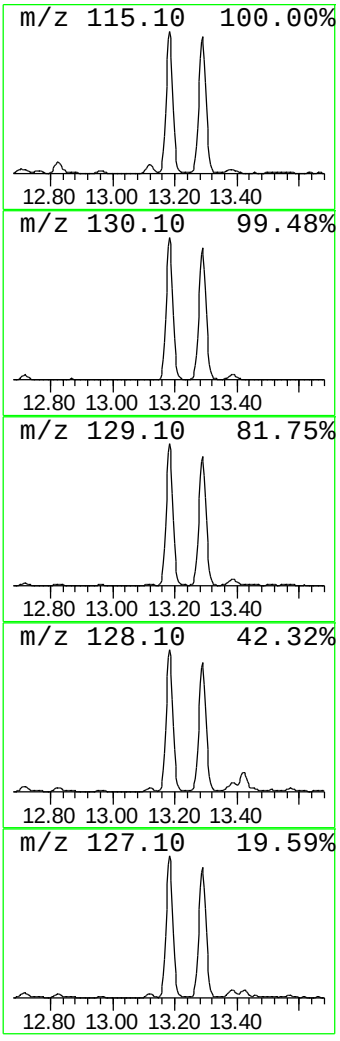
Peak Number 23 1H-Indene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	122.44 ug/L	5476080	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

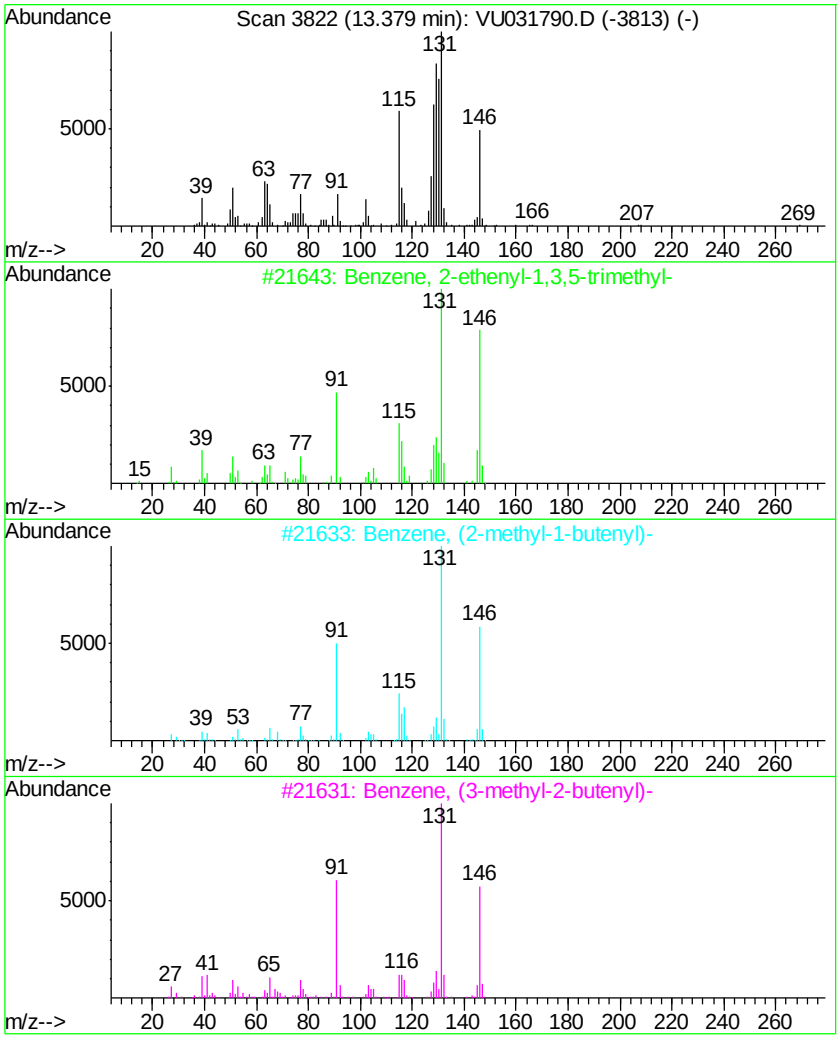
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

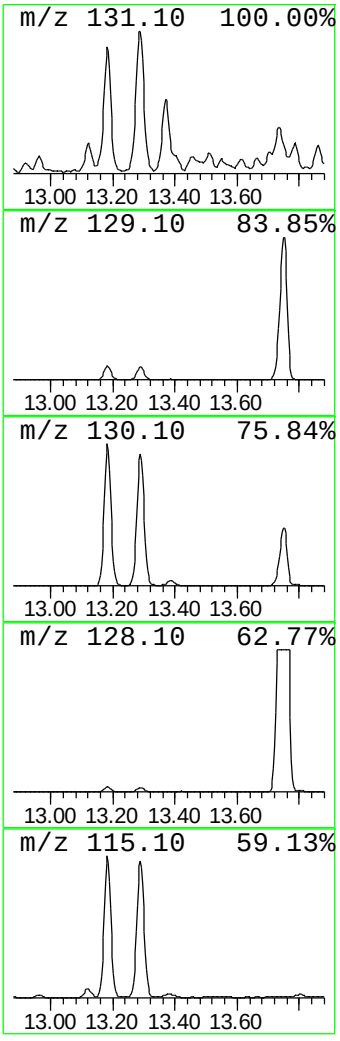
****

Peak Number 25 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	9.11 ug/L	407436	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	53
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	45
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	43





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

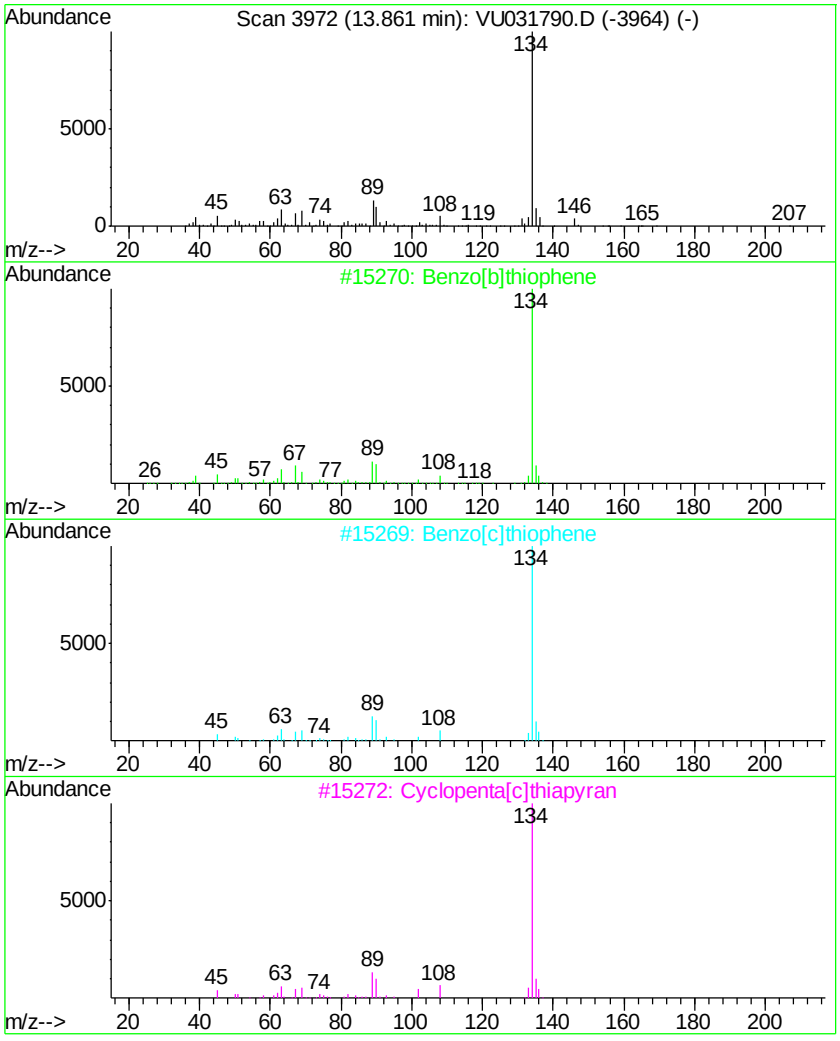
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

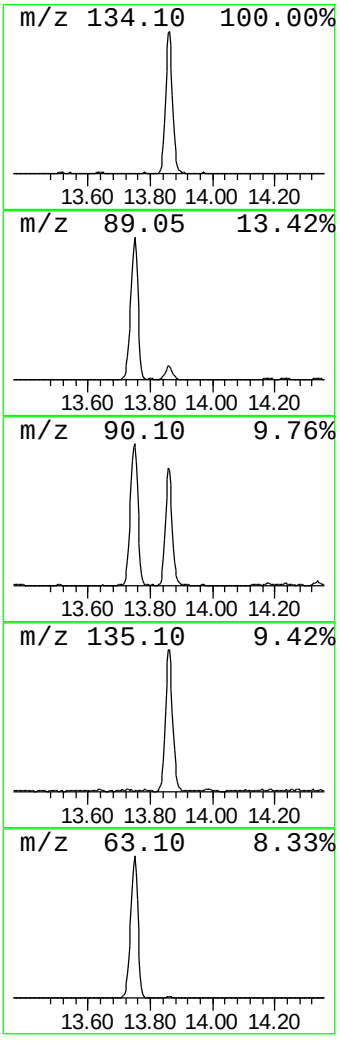
****

Peak Number 27 Benzo[b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	34.18 ug/L	1528780	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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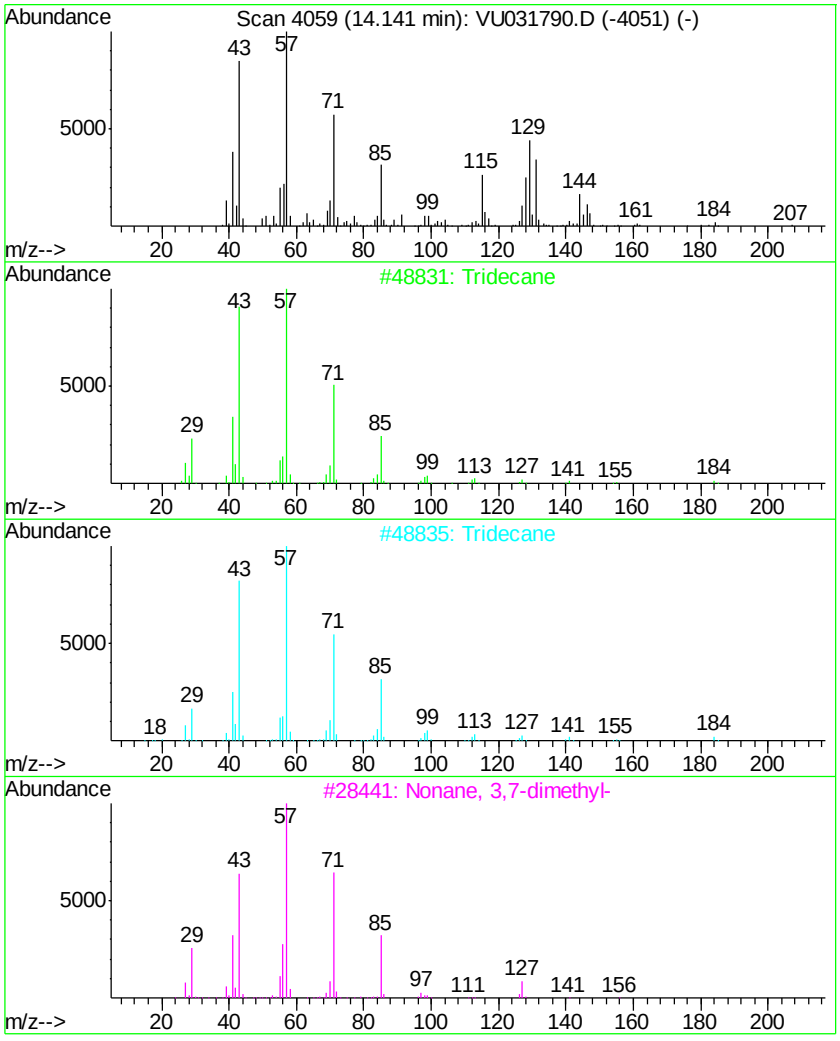
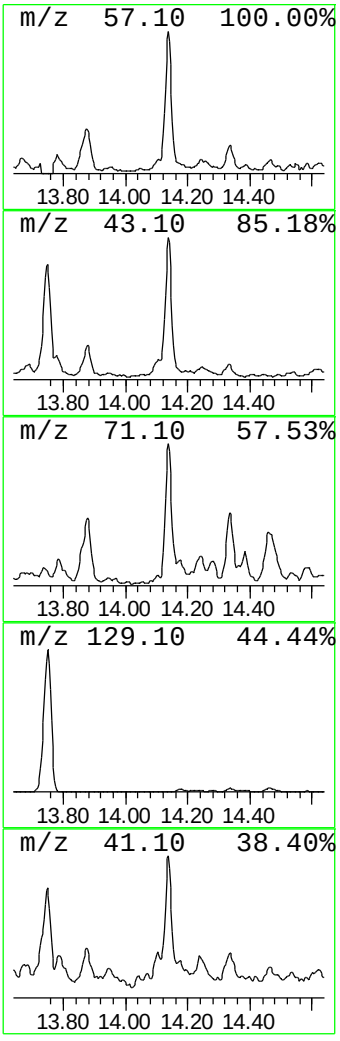
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	10.16 ug/L	454550	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	60
2	Tridecane	184	C13H28	000629-50-5	42
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	35
5	Hexadecane	226	C16H34	000544-76-3	30





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Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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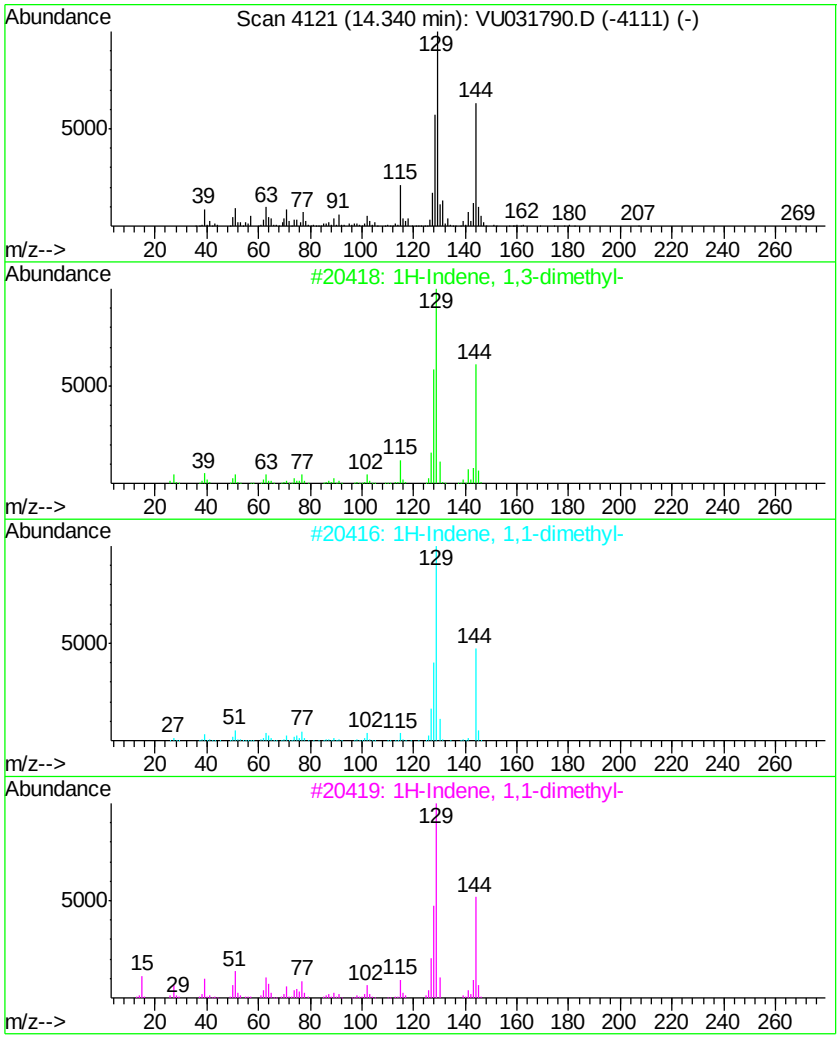
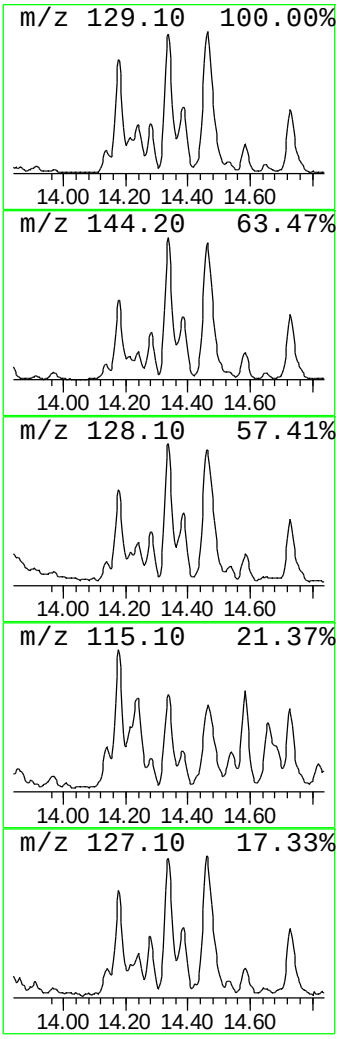
Peak Number 29 1H-Indene, 1,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	24.98 ug/L	1117410	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, 1,1-dimethyl-	144	C11H12	018636-55-0	91
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	87
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	87





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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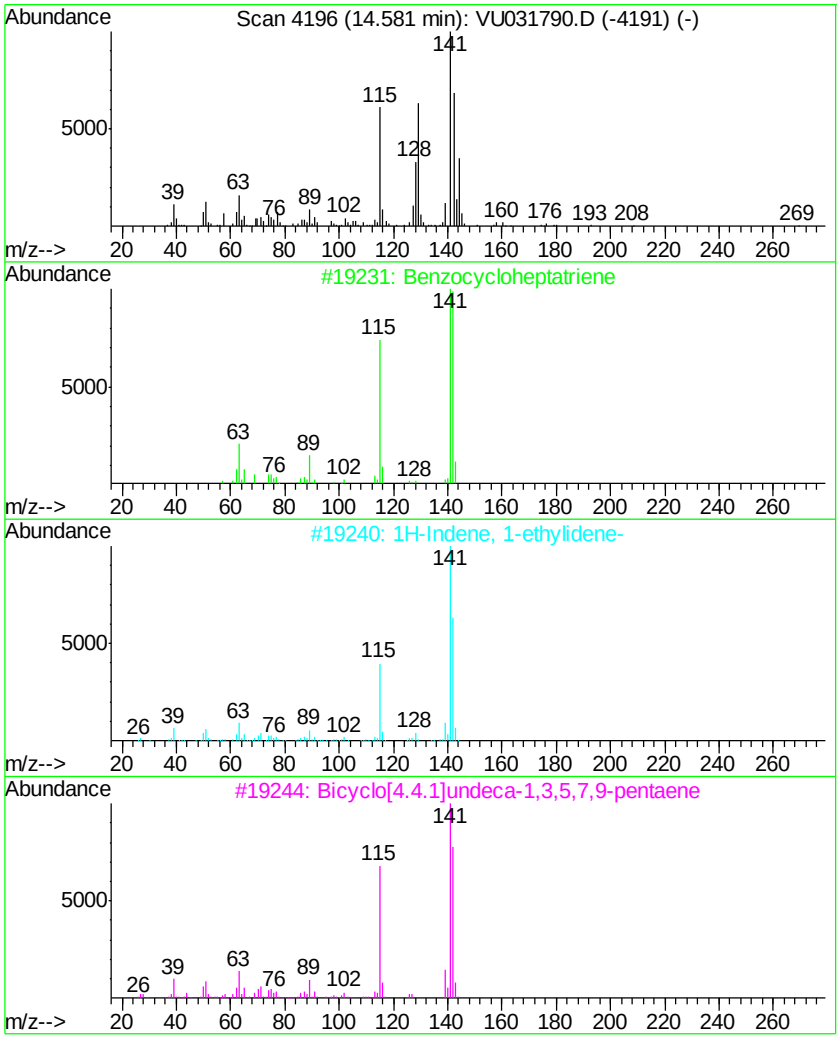
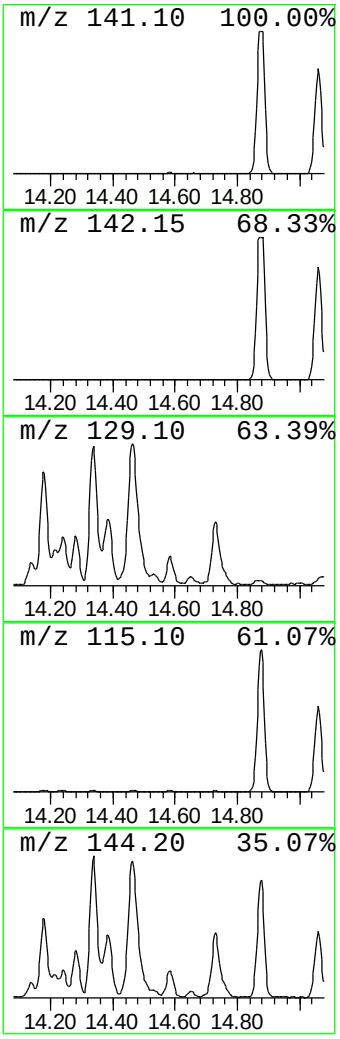
Peak Number 31 Benzocycloheptatriene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	8.69 ug/L	388861	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	90
2	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	64
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64
5	Benzocycloheptatriene	142	C11H10	000264-09-5	60





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Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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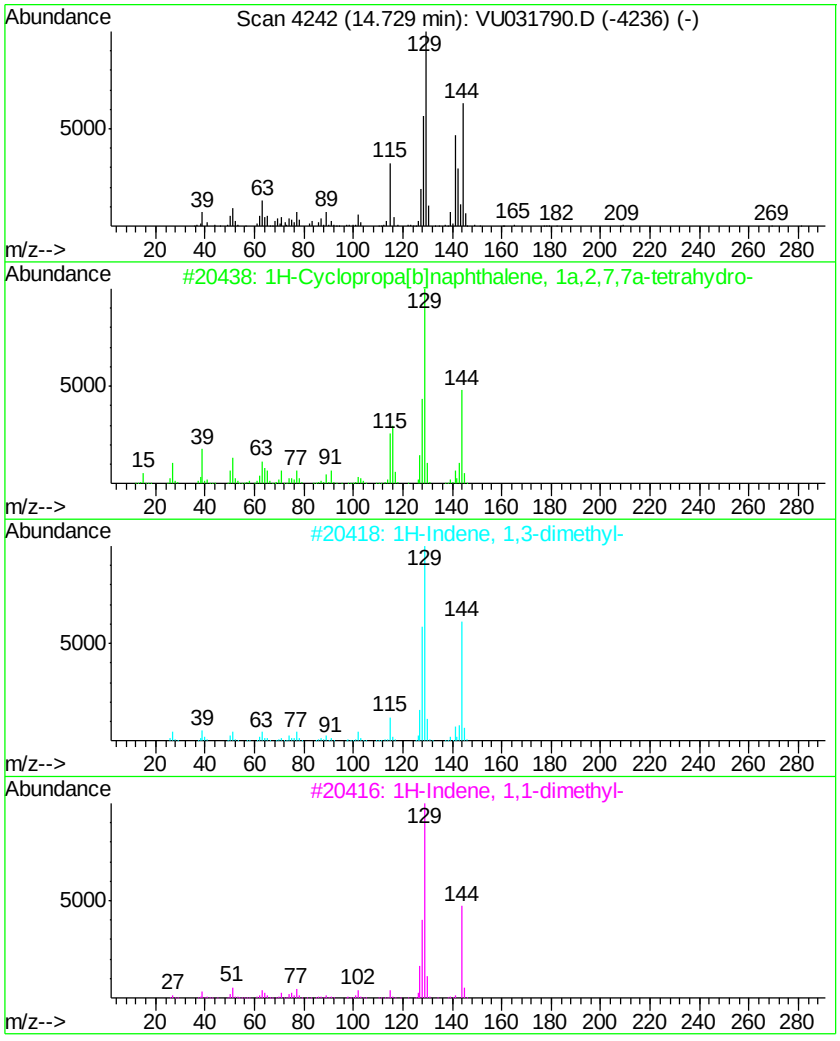
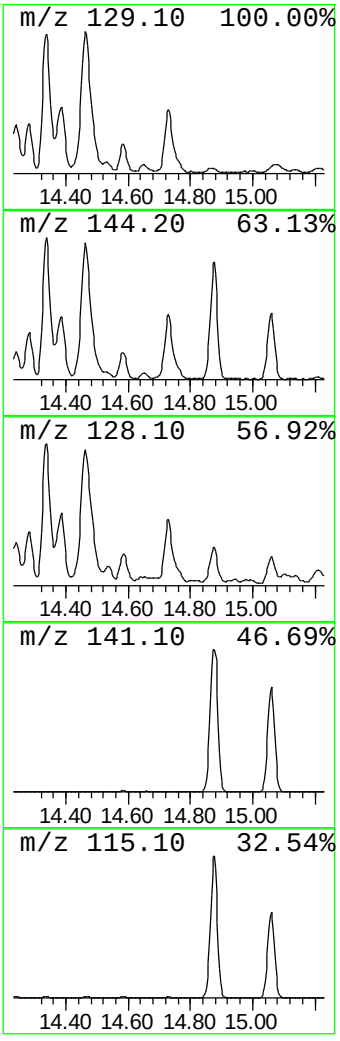
Peak Number 32 1H-Cyclopropa[b]naphthalene... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	14.55 ug/L	650794	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	89
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	76
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	70
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	68
5	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	62





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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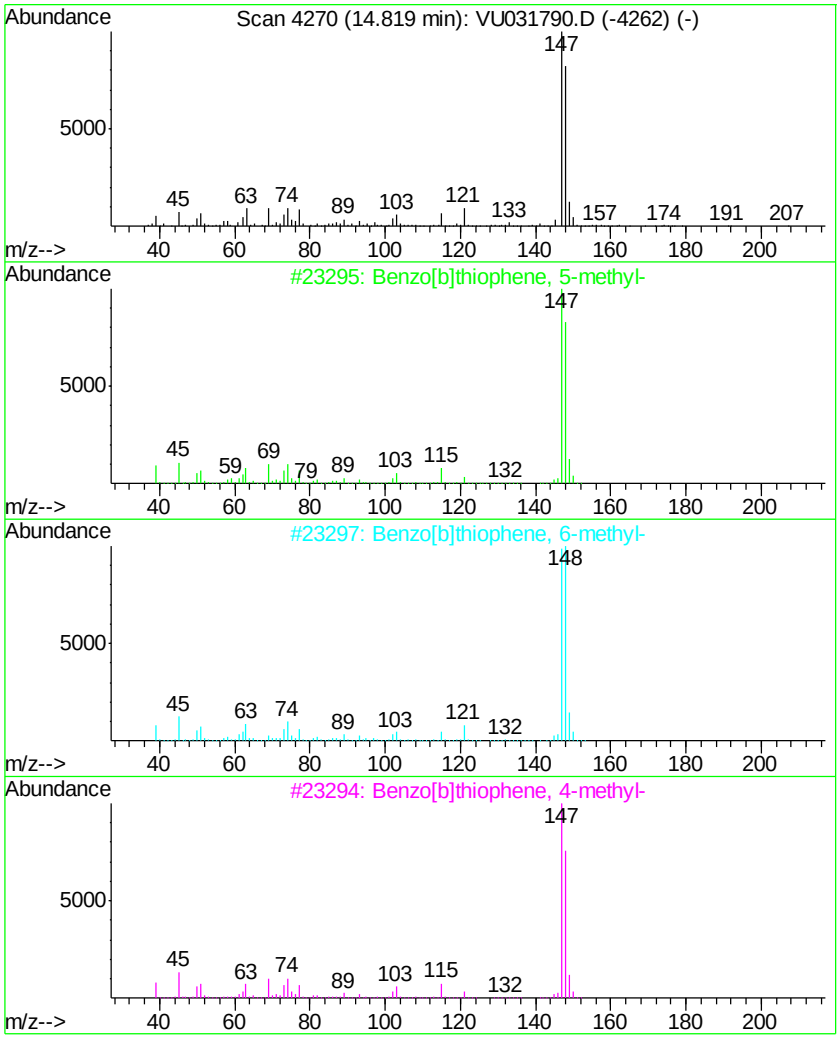
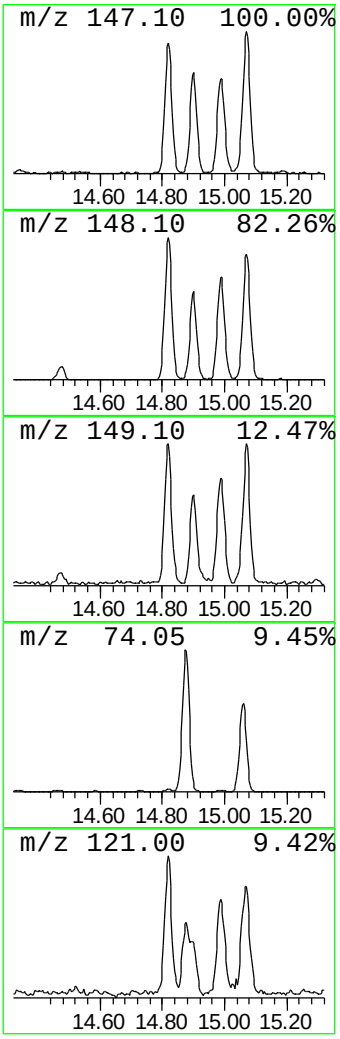
Peak Number 33 Benzo[b]thiophene, 5-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	10.86 ug/L	485716	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	94
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	94
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	93
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91





Library Search Compound Report

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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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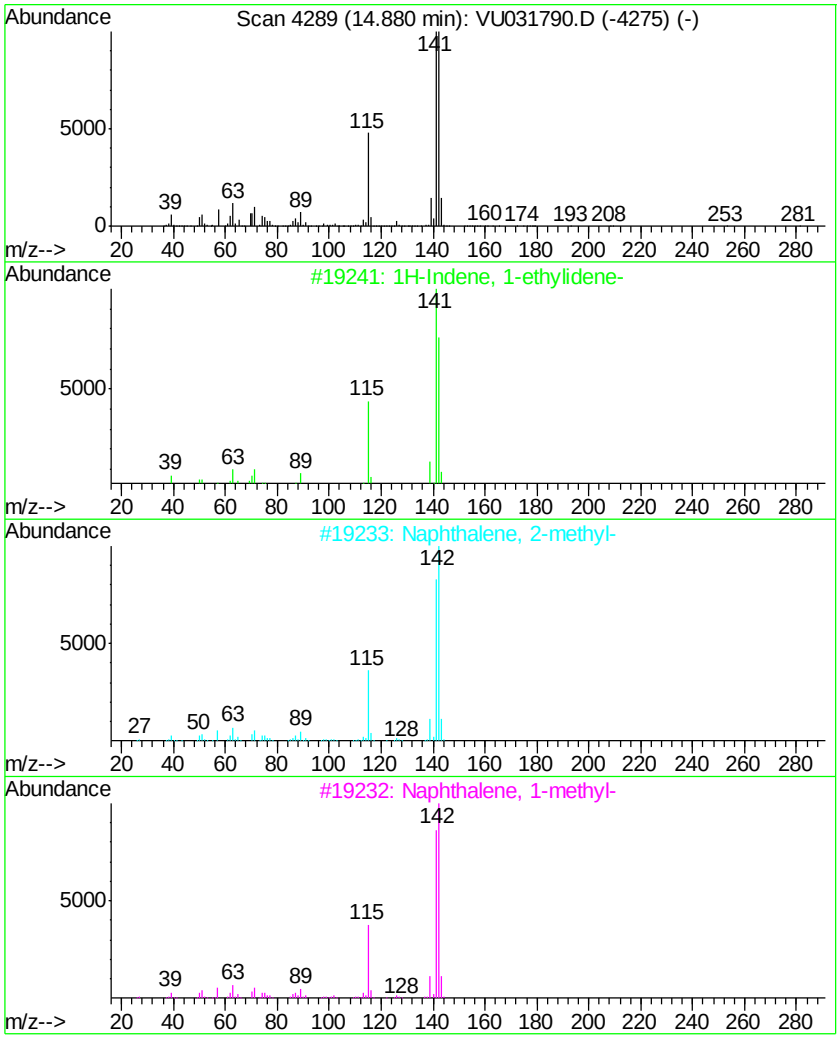
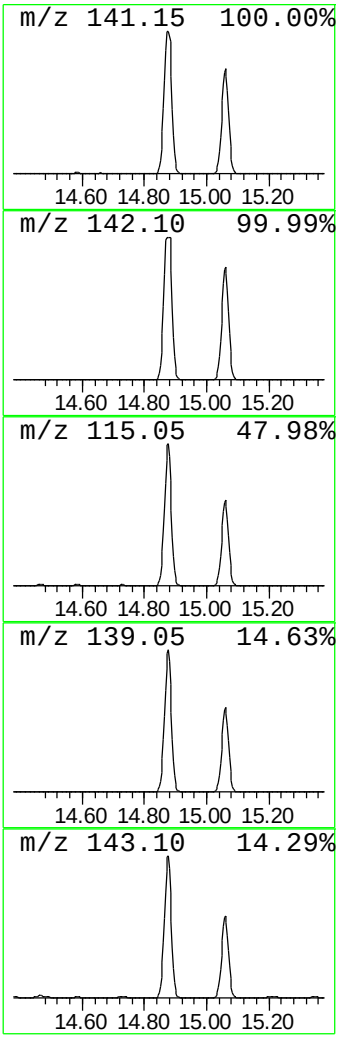
Peak Number 34 1H-Indene, 1-ethylidene- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1462.17 ug/L	65396700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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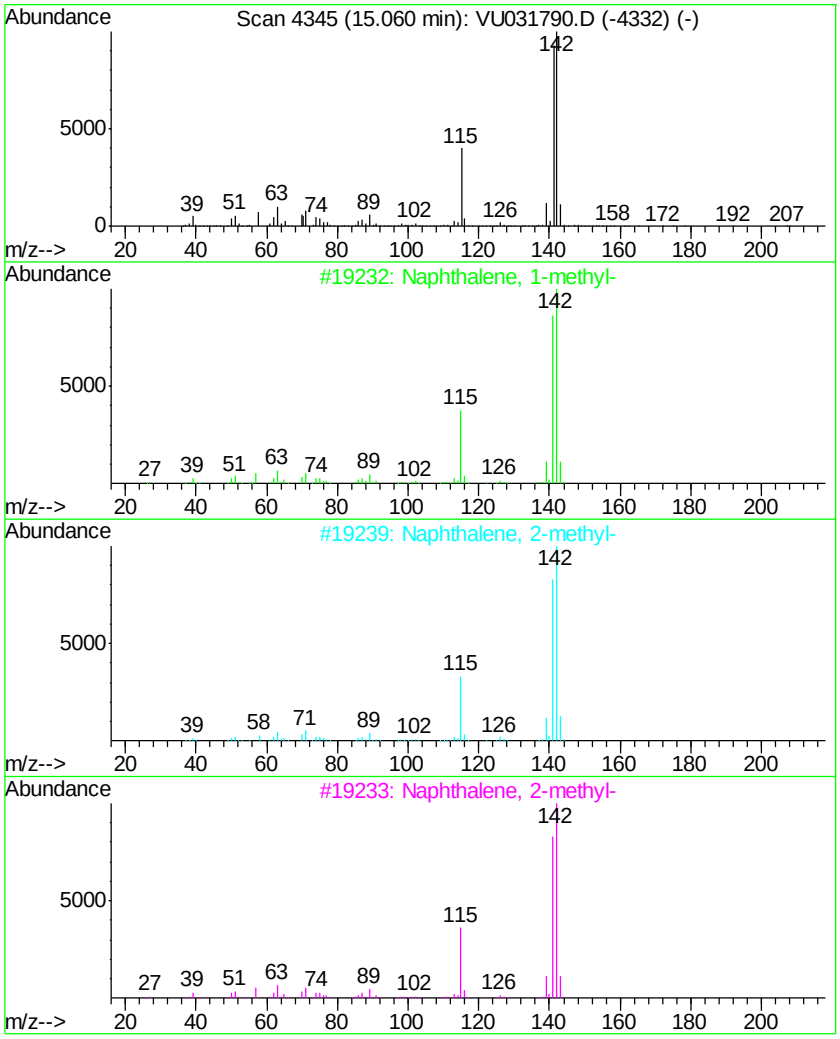
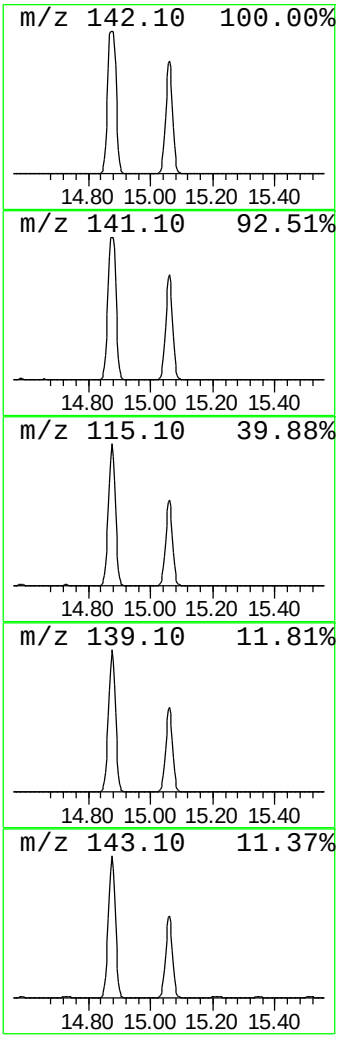
Peak Number 35 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	878.97 ug/L	39312600	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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93





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Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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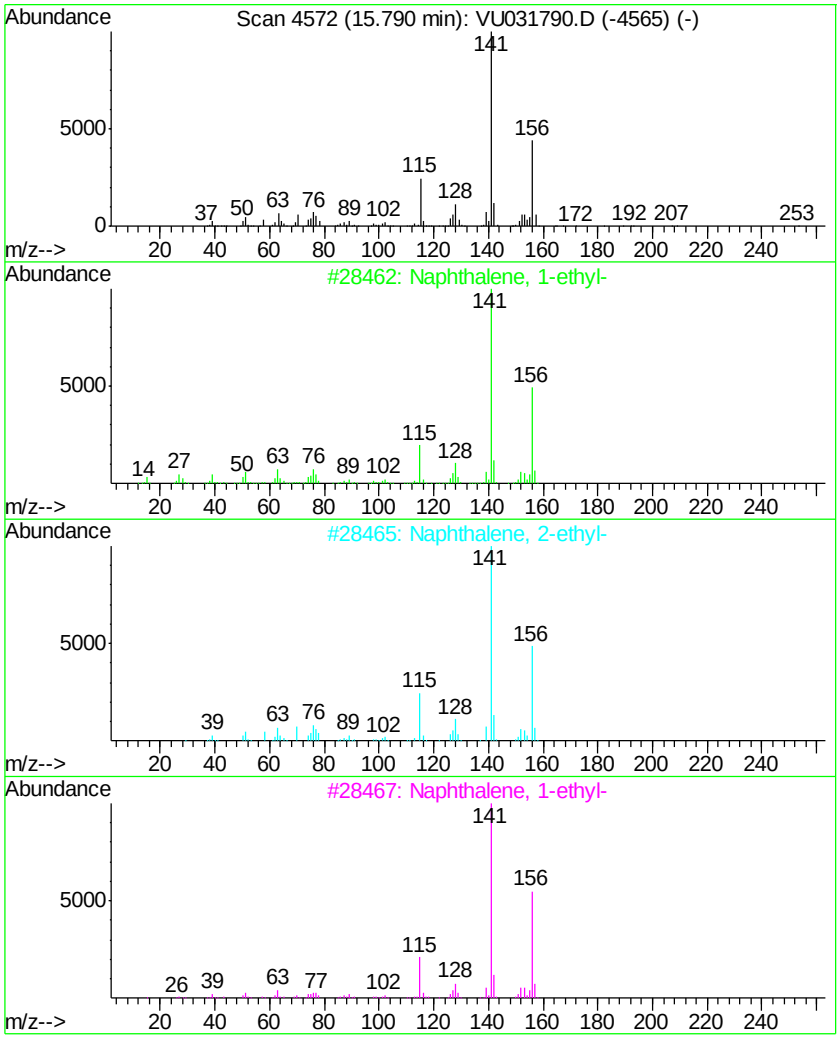
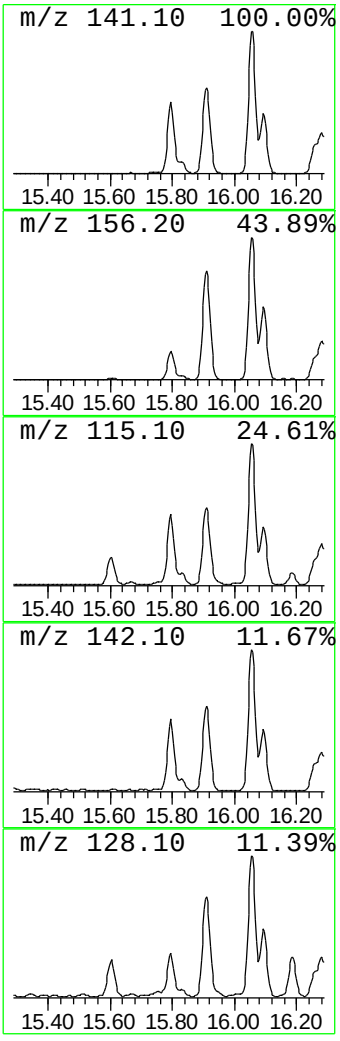
Peak Number 37 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	63.57 ug/L	2843400	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

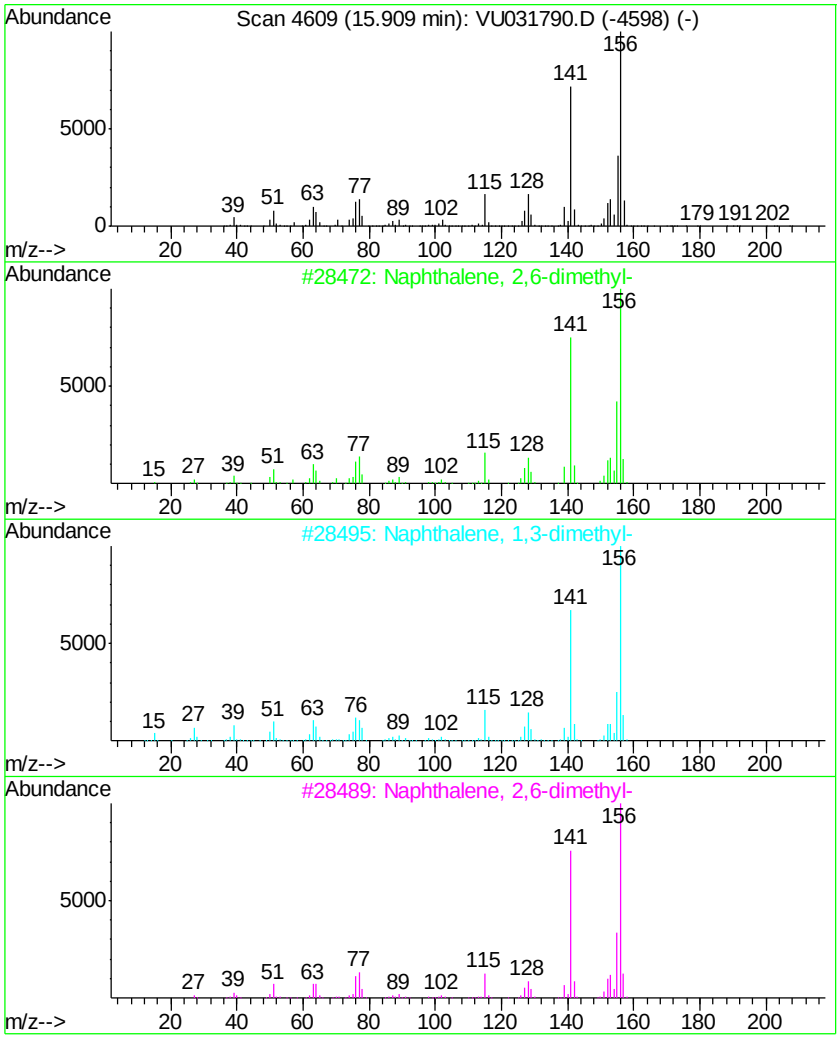
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

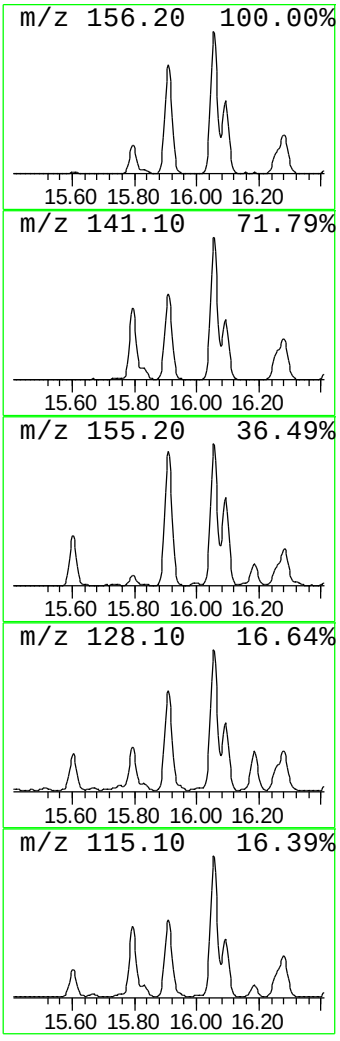
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	194.16 ug/L	8683990	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, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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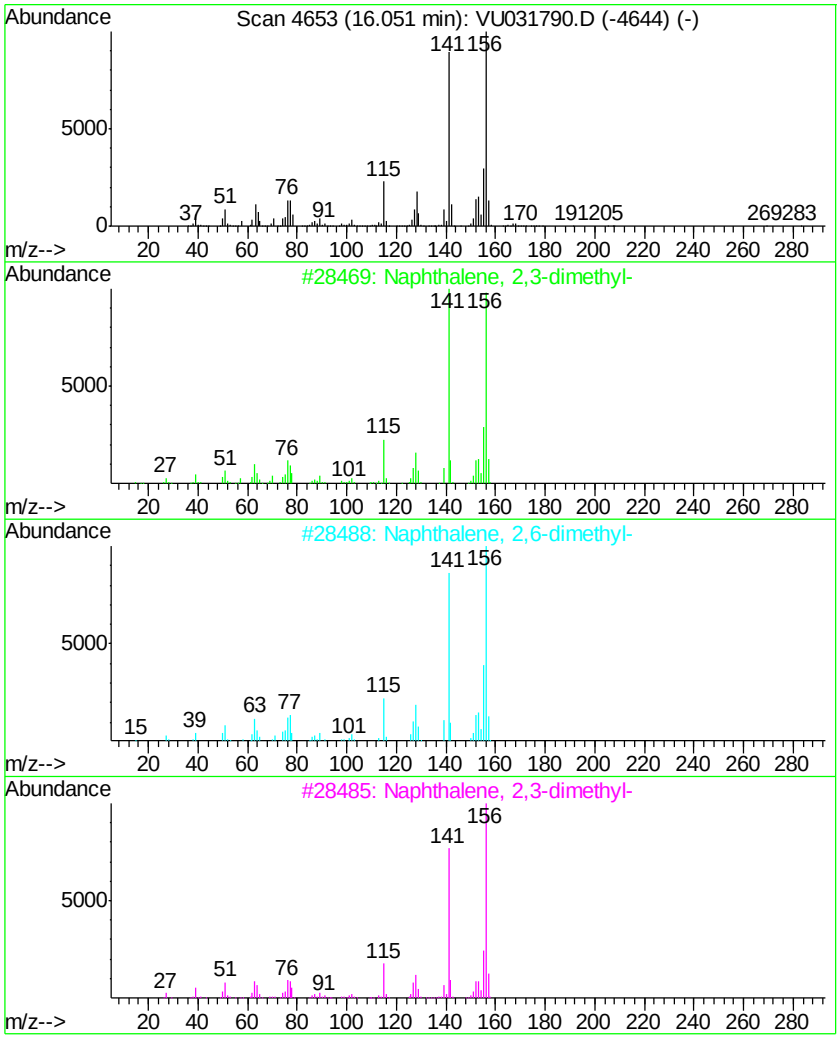
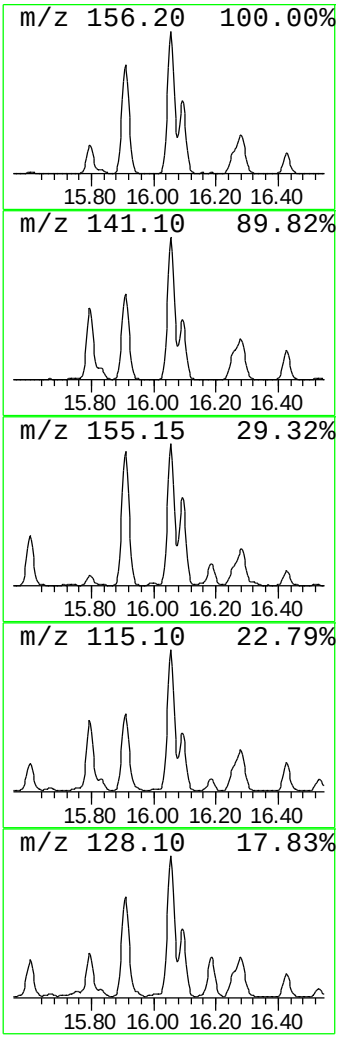
Peak Number 39 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	248.47 ug/L	11112900	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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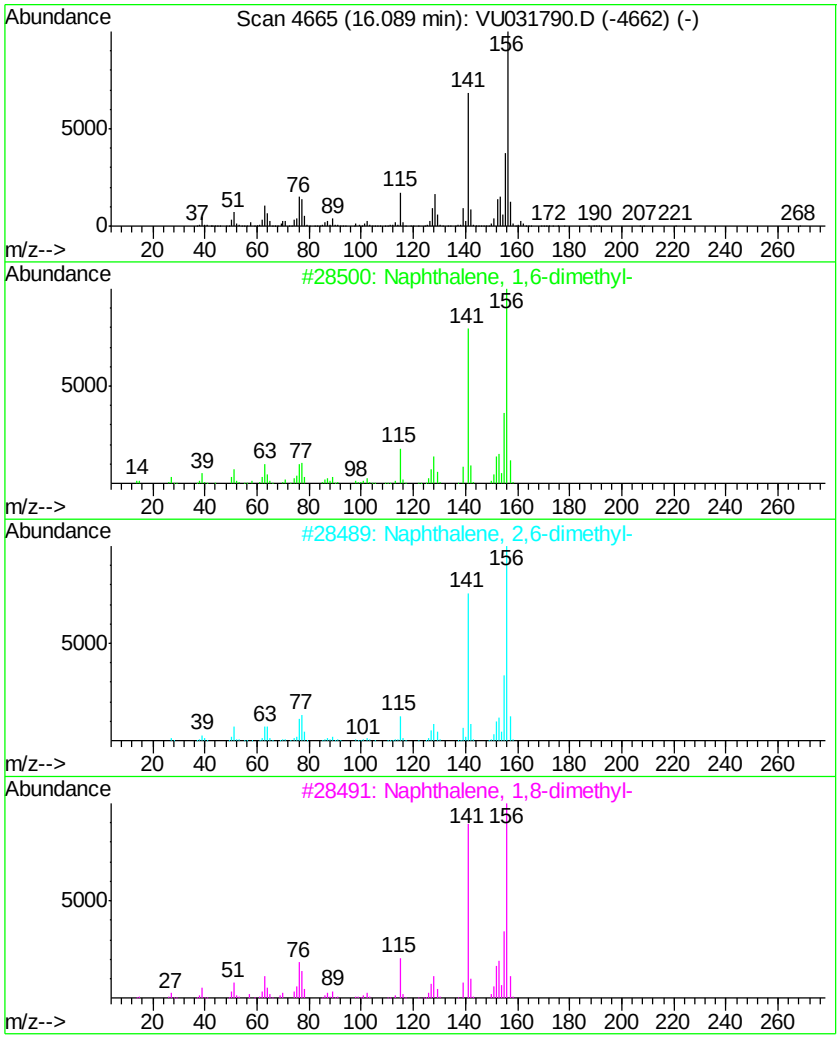
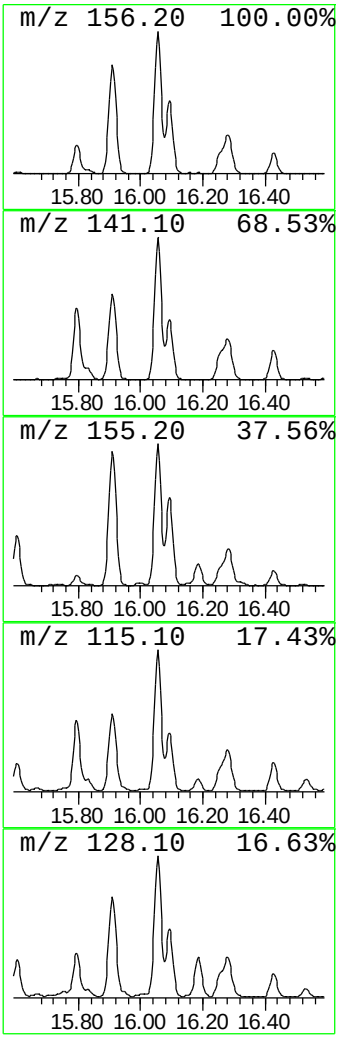
Peak Number 40 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	107.96 ug/L	4828700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050619\
Data File : VU031790.D
Acq On : 06 May 2019 19:26
Operator : JC/SP
Sample : K2634-04
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJB3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.97	28.3	ug/L	1264230	3	11.48	2236300	50.0
Benzene, 1-etheny...	11.22	16.0	ug/L	715681	3	11.48	2236300	50.0
Benzene, cyclopro...	11.27	3.0	ug/L	132588	3	11.48	2236300	50.0
Benzene, 2-propenyl-	11.63	15.7	ug/L	700560	3	11.48	2236300	50.0
Benzene, 1,2-diet...	11.78	20.9	ug/L	936434	3	11.48	2236300	50.0
Indene	11.98	26.3	ug/L	1177290	3	11.48	2236300	50.0
Benzene, 1-ethyl-...	12.15	8.3	ug/L	368766	3	11.48	2236300	50.0
Benzene, 2-ethyl-...	12.25	21.7	ug/L	970791	3	11.48	2236300	50.0
Benzene, 1-etheny...	12.30	8.9	ug/L	397962	3	11.48	2236300	50.0
Benzene, (2-methy...	12.42	30.4	ug/L	1358940	3	11.48	2236300	50.0
Benzene, 2-etheny...	12.49	9.4	ug/L	418815	3	11.48	2236300	50.0
Benzene, 1,2,4,5-...	12.65	7.3	ug/L	327133	3	11.48	2236300	50.0
Benzene, 1,2,3,5-...	12.70	26.7	ug/L	1192890	3	11.48	2236300	50.0
Benzene, 4-etheny...	12.82	21.9	ug/L	981517	3	11.48	2236300	50.0
Benzene, 1-methyl...	12.96	5.9	ug/L	264660	3	11.48	2236300	50.0
o-Cymene	13.12	34.8	ug/L	1556020	3	11.48	2236300	50.0
1H-Indene, 1-methyl-	13.18	122.4	ug/L	5476080	3	11.48	2236300	50.0
Benzene, 2-etheny...	13.38	9.1	ug/L	407436	3	11.48	2236300	50.0
Benzo[b]thiophene	13.86	34.2	ug/L	1528780	3	11.48	2236300	50.0
(DEL) Alkane: Str...	14.14	10.2	ug/L	454550	3	11.48	2236300	50.0
1H-Indene, 1,3-di...	14.34	25.0	ug/L	1117410	3	11.48	2236300	50.0
Benzocycloheptatr...	14.58	8.7	ug/L	388861	3	11.48	2236300	50.0
1H-Cyclopropa[b]n...	14.73	14.6	ug/L	650794	3	11.48	2236300	50.0
Benzo[b]thiophene...	14.82	10.9	ug/L	485716	3	11.48	2236300	50.0
1H-Indene, 1-ethy...	14.88	1462.2	ug/L	65396700	3	11.48	2236300	50.0
Naphthalene, 1-me...	15.06	879.0	ug/L	39312600	3	11.48	2236300	50.0
Naphthalene, 1-et...	15.79	63.6	ug/L	2843400	3	11.48	2236300	50.0
Naphthalene, 2,6-...	15.91	194.2	ug/L	8683990	3	11.48	2236300	50.0
Naphthalene, 2,3-...	16.05	248.5	ug/L	11112900	3	11.48	2236300	50.0
Naphthalene, 1,6-...	16.09	108.0	ug/L	4828700	3	11.48	2236300	50.0