LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

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\SOMULM040519WMA.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	1.392	87	94	107	rVB	236140	285036	10.47%	0.815%
2	1.563	127	147	148	rBV5	47912	87511	3.21%	0.250%
3	1.608	148	161	163	rVV3	59369	104013	3.82%	0.298%
4	1.640	165	171	183	rVV	228348	302978	11.13%	0.867%
5	2.238	346	357	372	rBV	452907	696694	25.59%	1.993%
6	2.714	485	505	515	rVV8	17765	46879	1.72%	0.134%
7	2.968	569	584	595	rVV5	11346	25837	0.95%	0.074%
8	3.276	668	680	698	rVB4	15556	33009	1.21%	0.094%
9	4.067	914	926	943	rVB6	10666	29252	1.07%	0.084%
10	4.183	949	962	1003	rBV	197444	730314	26.83%	2.089%
11	4.640	1085	1104	1127	rBV	340280	902140	33.14%	2.581%
12	4.971	1192	1207	1221	rBV3	37404	88093	3.24%	0.252%
13	5.061	1225	1235	1255	rVB6	13766	35942	1.32%	0.103%
14	5.206	1263	1280	1294	rBV3	37522	87927	3.23%	0.252%
15	5.328	1297	1318	1347	rVV2	749690	2228872	81.88%	6.376%
16	5.472	1351	1363	1367	rVV7	13671	32778	1.20%	0.094%
17	5.524	1368	1379	1396	rVV2	40285	108215	3.98%	0.310%
18	5.611	1396	1406	1421	rVV2	11173	28776	1.06%	0.082%
19	5.775	1442	1457	1469	rBV3	36836	78113	2.87%	0.223%
20	5.878	1476	1489	1518	rBV	763758	1633186	59.99%	4.672%
21	6.324	1613	1628	1645	rBV	493109	1058398	38.88%	3.028%
22	6.521	1683	1689	1702	rVB5	15840	28034	1.03%	0.080%
23	6.640	1714	1726	1740	rVB8	10471	25704	0.94%	0.074%
24	6.916	1792	1812	1829	rBV4	36030	84146	3.09%	0.241%
25	7.042	1832	1851	1861	rBV5	37335	80717	2.97%	0.231%
26	7.099	1862	1869	1877	rVB3	13965	23443	0.86%	0.067%
27	7.173	1882	1892	1898	rBV3	43065	69619	2.56%	0.199%
28	7.222	1898	1907	1933	rVV2	269854	549971	20.20%	1.573%
29	7.334	1933	1942	1963	rVB3	50144	107289	3.94%	0.307%
30	7.559	1988	2012	2030	rBV	935480	1782015	65.46%	5.098%
31	7.636	2031	2036	2047	rVB2	19518	33182	1.22%	0.095%
32	7.816	2082	2092	2094	rBV	50077	64229	2.36%	0.184%
33	7.849	2094	2102	2116	rVB	171666	337424	12.39%	0.965%
34	8.318	2235	2248	2276	rBV	915226	1767395	64.92%	5.056%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

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\SOMULM040519WMA.M
Title : VOC Analysis

35	8.906	2423	2431	2442	rVB3	60936	102202	3.75%	0.292%
36	9.029	2457	2469	2476	rBV2	52235	86865	3.19%	0.248%
37	9.090	2476	2488	2511	rVV	1224877	2169792	79.71%	6.207%
38	9.250	2527	2538	2551	rBV	182169	305649	11.23%	0.874%
39	9.373	2565	2576	2590	rBV	299529	535899	19.69%	1.533%
40	9.440	2590	2597	2626	rVB2	64231	134364	4.94%	0.384%
41	9.710	2672	2681	2689	rBV6	15693	25748	0.95%	0.074%
42	9.778	2692	2702	2722	rVV	104465	198365	7.29%	0.567%
43	9.948	2738	2755	2765	rBV5	19834	38992	1.43%	0.112%
44	10.045	2770	2785	2794	rVV9	15711	32422	1.19%	0.093%
45	10.167	2810	2823	2834	rBV2	46956	86211	3.17%	0.247%
46	10.250	2841	2849	2858	rVB5	23647	33868	1.24%	0.097%
47	10.318	2858	2870	2875	rBV7	19766	39298	1.44%	0.112%
48	10.350	2876	2880	2894	rVB3	32984	52082	1.91%	0.149%
49	10.430	2894	2905	2921	rBV	914056	1518159	55.77%	4.343%
50	10.588	2944	2954	2971	rBV	154253	255151	9.37%	0.730%
51	10.678	2972	2982	3000	rVV	470848	1086598	39.92%	3.108%
52	10.768	3000	3010	3019	rVV	345747	568067	20.87%	1.625%
53	10.810	3019	3023	3035	rVB2	59713	84506	3.10%	0.242%
54	10.971	3063	3073	3092	rVB	205414	344054	12.64%	0.984%
55	11.147	3112	3128	3150	rVB	1347216	2098205	77.08%	6.002%
56	11.289	3166	3172	3177	rVV3	23583	40822	1.50%	0.117%
57	11.321	3179	3182	3193	rVB3	31473	43224	1.59%	0.124%
58	11.392	3194	3204	3207	rBV6	17571	29290	1.08%	0.084%
59	11.424	3208	3214	3221	rVV2	41455	61368	2.25%	0.176%
60	11.482	3221	3232	3250	rVV	1514025	2374825	87.24%	6.794%
61	11.569	3250	3259	3282	rVB	350940	572085	21.02%	1.637%
62	11.697	3294	3299	3309	rVB8	19045	27325	1.00%	0.078%
63	11.771	3309	3322	3327	rBV5	179014	340191	12.50%	0.973%
64	11.807	3328	3333	3340	rVV	242870	355102	13.04%	1.016%
65	11.858	3340	3349	3373	rVB3	1455645	2722269	100.00%	7.787%
66	11.977	3378	3386	3393	rBV5	25266	39437	1.45%	0.113%
67	12.022	3393	3400	3403	rBV2	29694	36536	1.34%	0.105%
68	12.054	3403	3410	3427	rVB2	102528	180846	6.64%	0.517%
69	12.144	3427	3438	3442	rBV	191806	287747	10.57%	0.823%
70	12.173	3443	3447	3458	rVB	192203	260077	9.55%	0.744%
71	12.247	3459	3470	3492	rVB	354207	588659	21.62%	1.684%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

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\SOMULM040519WMA.M
Title : VOC Analysis

72	12.353	3494	3503	3509	rBV	75725	136547	5.02%	0.391%
73	12.549	3555	3564	3574	rVB2	79436	131264	4.82%	0.376%
74	12.646	3586	3594	3602	rVV	209135	301300	11.07%	0.862%
75	12.697	3602	3610	3628	rVB	345359	558799	20.53%	1.599%
76	12.784	3629	3637	3642	rBV2	50701	74137	2.72%	0.212%
77	12.816	3642	3647	3652	rBV4	28182	31076	1.14%	0.089%
78	12.961	3684	3692	3705	rVB3	140760	218387	8.02%	0.625%
79	13.028	3706	3713	3721	rBV3	36946	52204	1.92%	0.149%
80	13.118	3733	3741	3759	rVB3	257222	448485	16.47%	1.283%
81	13.234	3770	3777	3785	rBV	50749	70441	2.59%	0.202%
82	13.282	3785	3792	3799	rVV5	20348	32617	1.20%	0.093%
83	13.405	3821	3830	3837	rBV6	32056	51814	1.90%	0.148%
84	13.453	3837	3845	3853	rBV3	41787	62266	2.29%	0.178%
85	13.504	3853	3861	3868	rBV5	94331	158433	5.82%	0.453%
86	13.607	3888	3893	3897	rBV2	19320	25067	0.92%	0.072%
87	13.636	3898	3902	3915	rVB3	37680	49040	1.80%	0.140%
88	13.742	3926	3935	3944	rBV	128378	203780	7.49%	0.583%
89	13.848	3961	3968	3973	rBV7	18918	30023	1.10%	0.086%
90	13.951	3988	4000	4012	rBV7	39700	102369	3.76%	0.293%
91	14.147	4052	4061	4076	rVB3	54691	103195	3.79%	0.295%
92	14.337	4109	4120	4134	rBV4	56123	135358	4.97%	0.387%
93	14.475	4155	4163	4172	rBV3	31993	55670	2.04%	0.159%
94	14.536	4177	4182	4194	rVB7	33997	62420	2.29%	0.179%
95	14.681	4220	4227	4241	rVB10	18951	33855	1.24%	0.097%
96	14.877	4276	4288	4301	rBV	116516	240643	8.84%	0.688%
97	15.060	4337	4345	4359	rVB	66918	125011	4.59%	0.358%
98	15.806	4570	4577	4585	rBV	16574	31519	1.16%	0.090%
99	15.916	4606	4611	4622	rBV5	22055	36704	1.35%	0.105%
100	16.060	4649	4656	4663	rBV4	39056	61140	2.25%	0.175%

Sum of corrected areas: 34956995

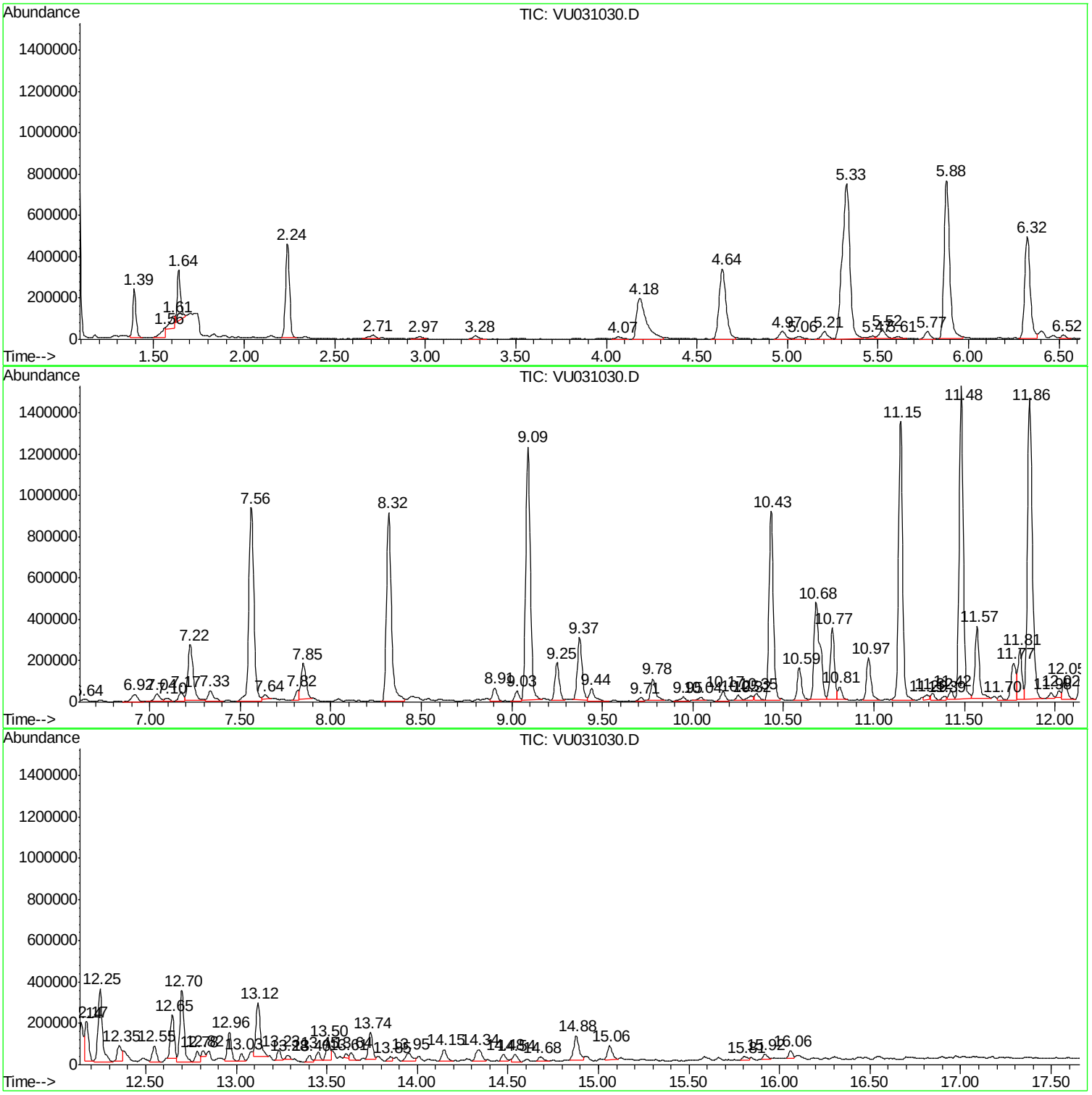
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

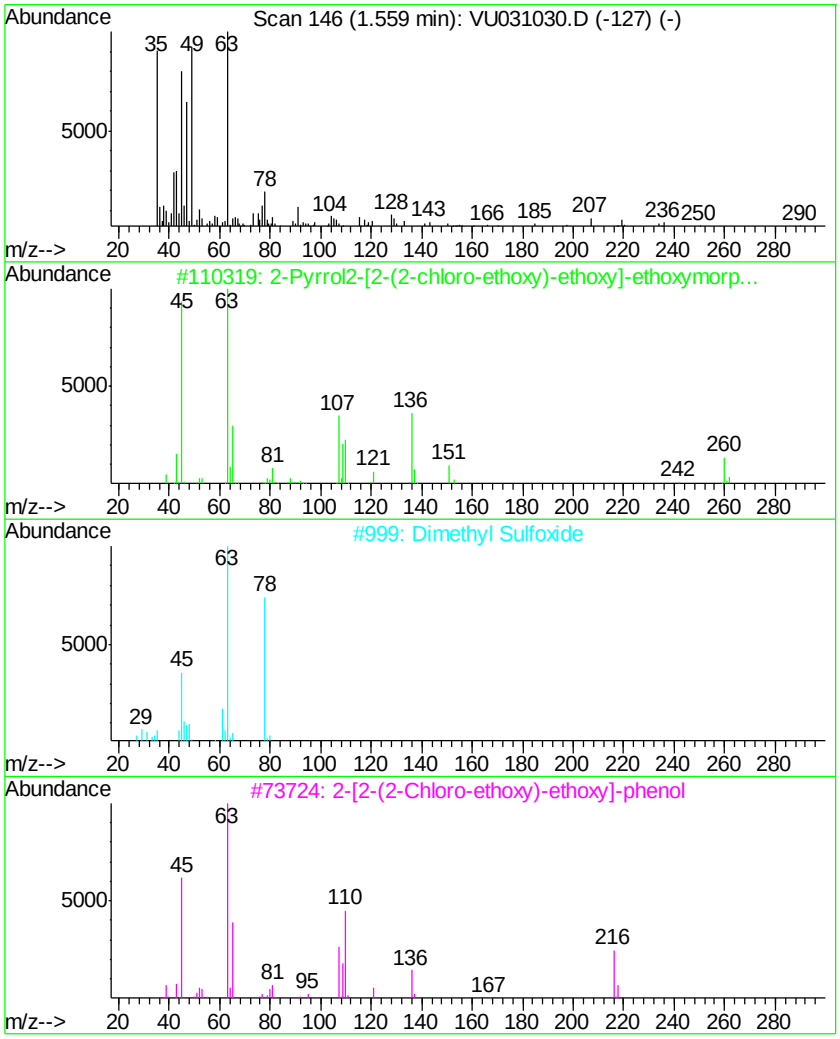
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

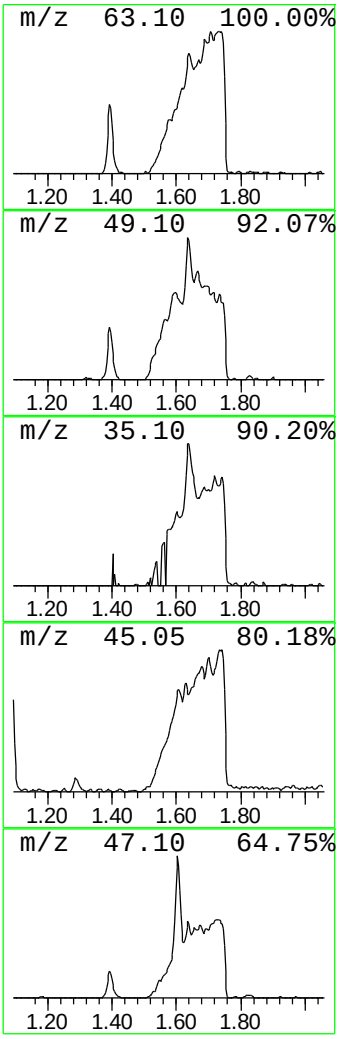
****

Peak Number 1 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.56	2.68 ug/L	87511	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrol2-[2-(2-chloro-ethoxy)-e...	260	C12H17ClO4	1000317-43-5	23
2	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	17
3	2-[2-(2-Chloro-ethoxy)-ethoxy]-p...	216	C10H13ClO3	1000317-46-1	17
4	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	17
5	Diethyl pyrocarbonate	162	C6H10O5	001609-47-8	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

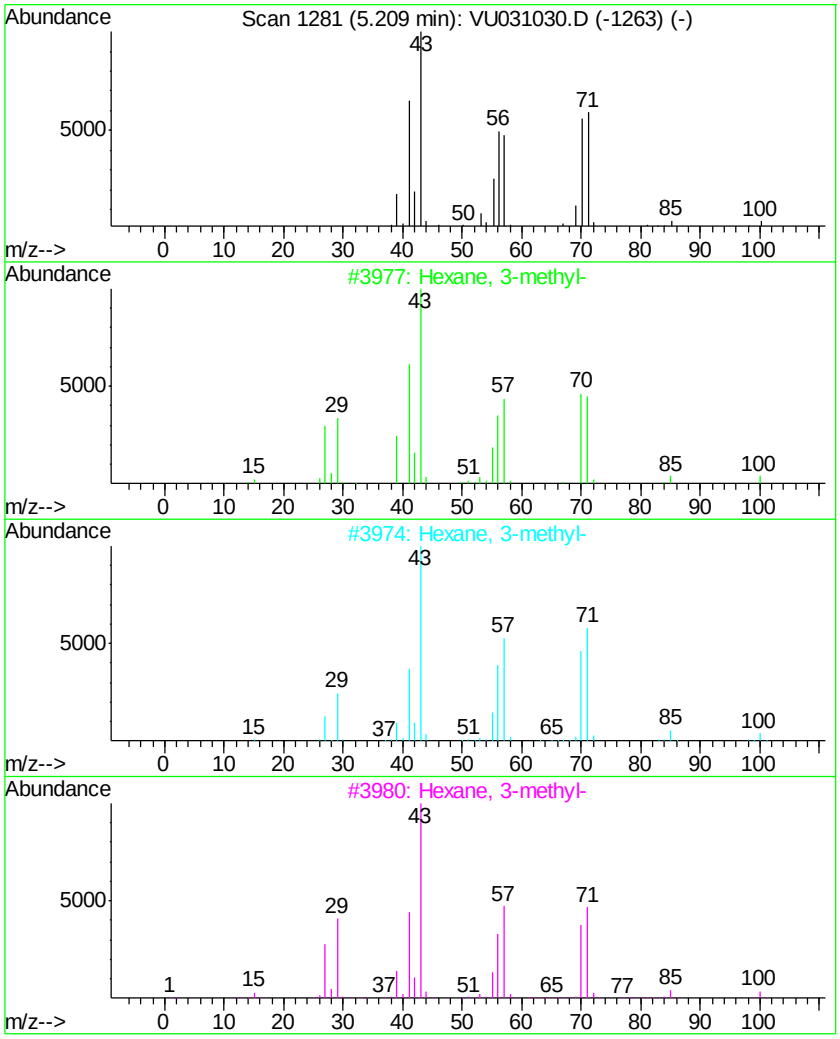
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

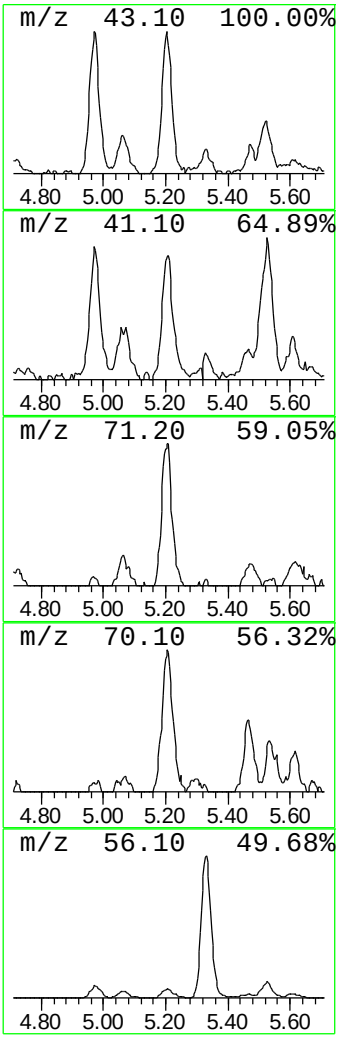
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	2.69 ug/L	87927	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	50
5	Heptane	100	C7H16	000142-82-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

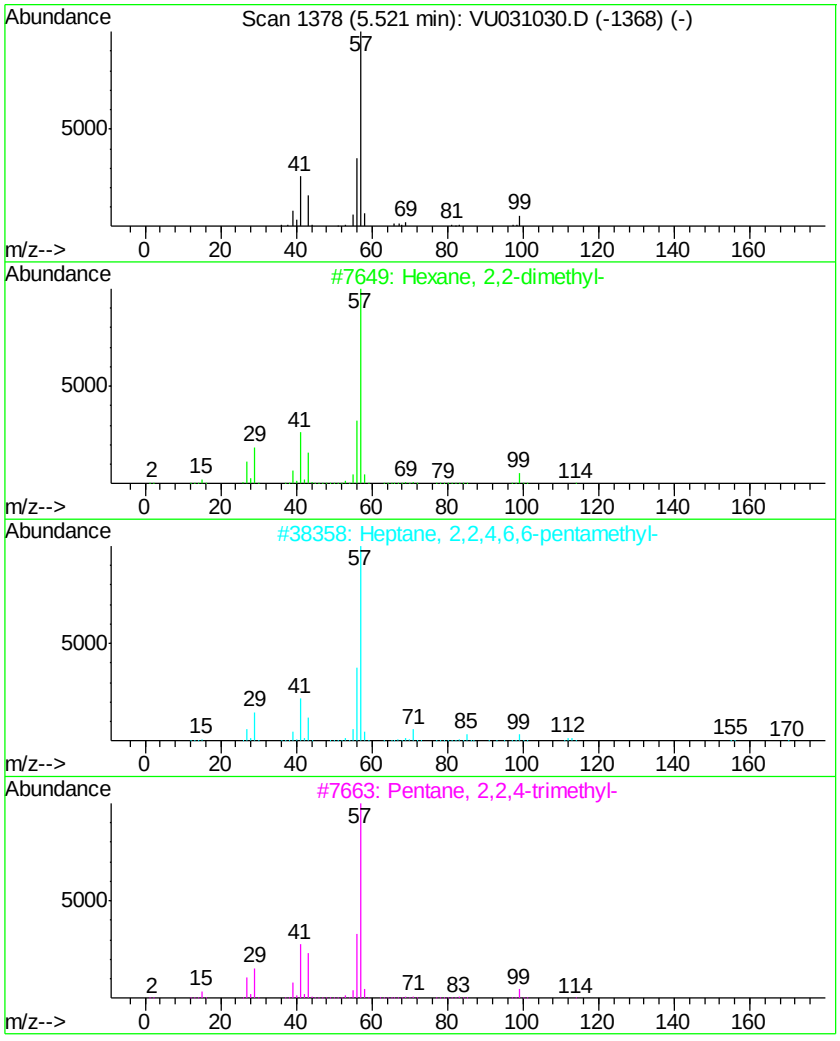
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

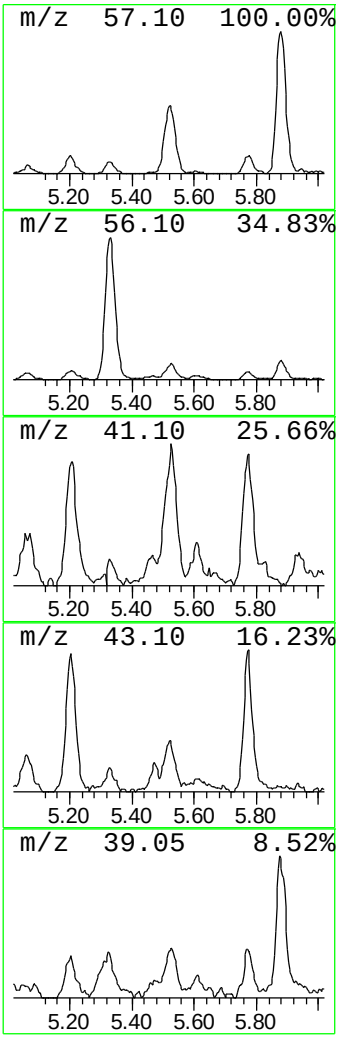
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	3.31 ug/L	108215	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
4	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

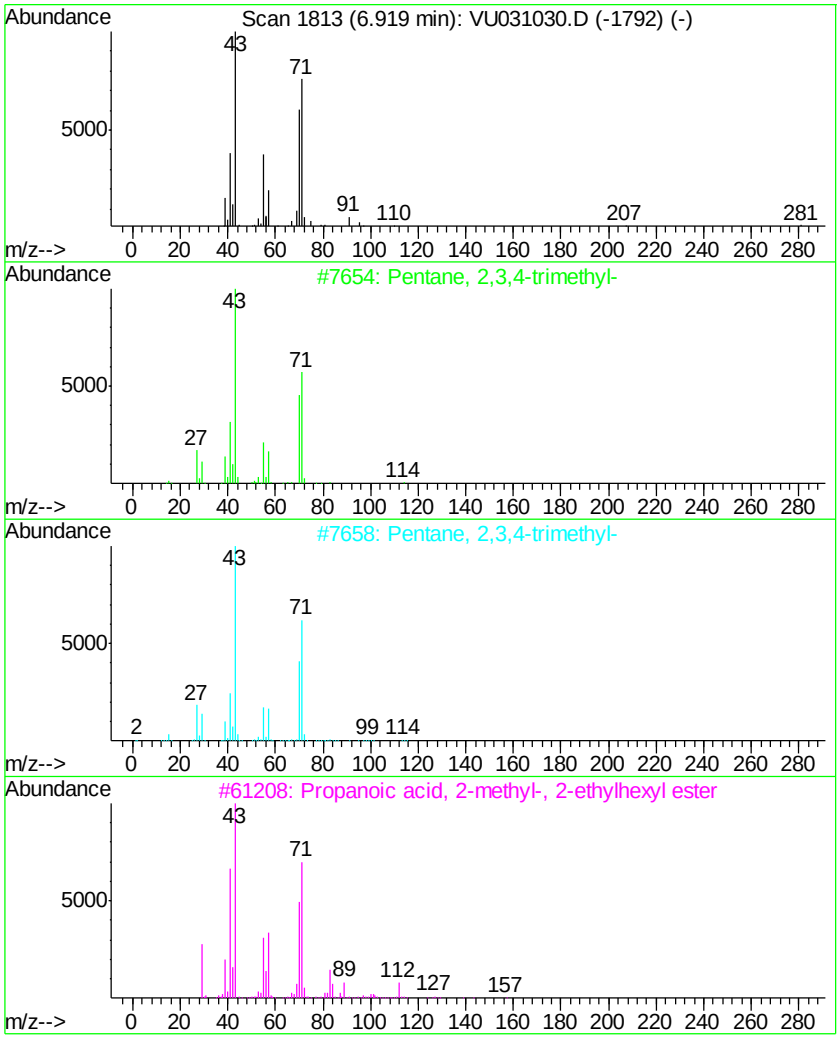
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

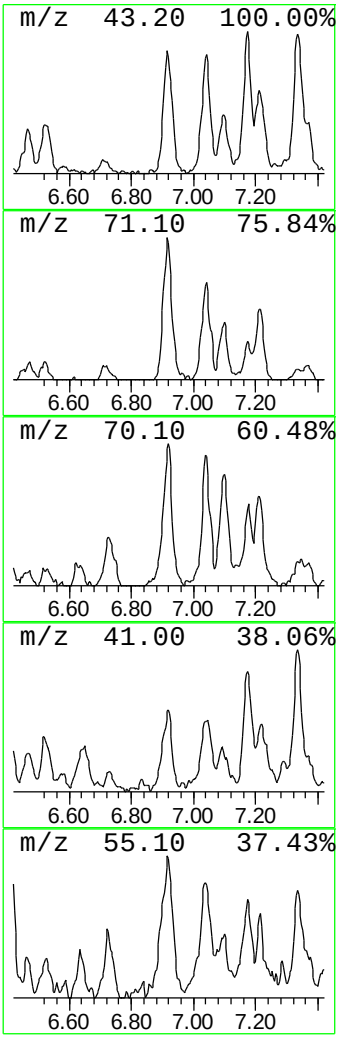
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	2.58 ug/L	84146	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
3	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	72
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72
5	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	59





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

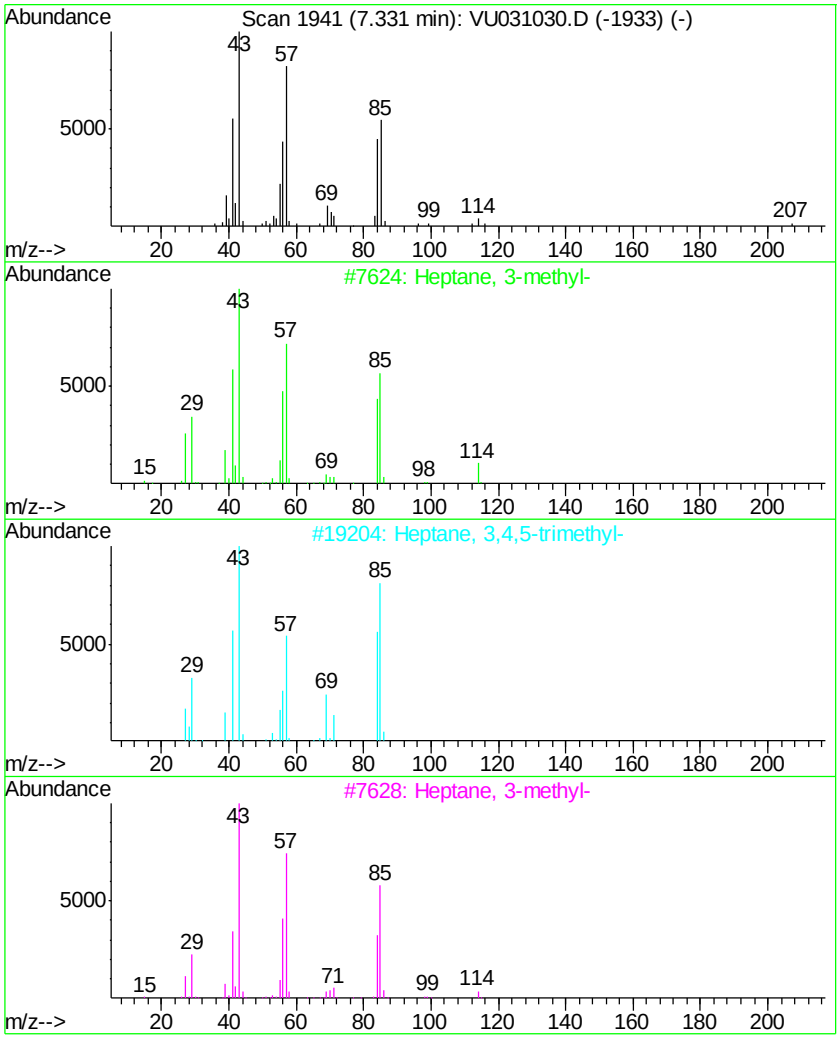
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

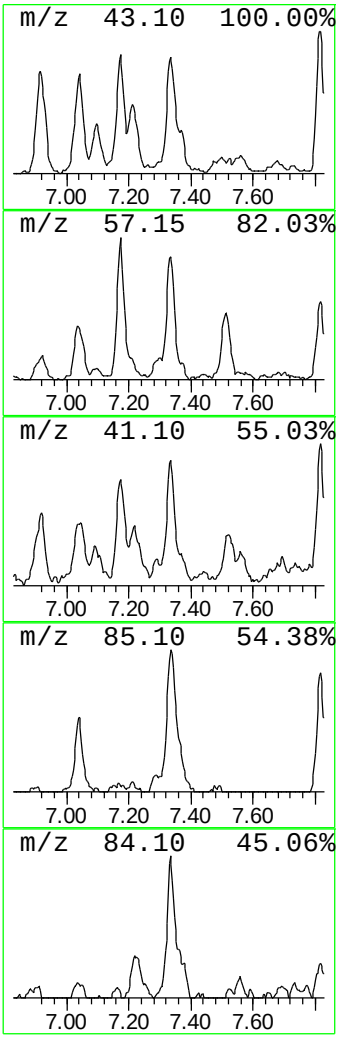
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	3.28 ug/L	107289	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	80
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Isobutyl 2-methylpentyl carbonate	202	C11H22O3	1000372-75-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

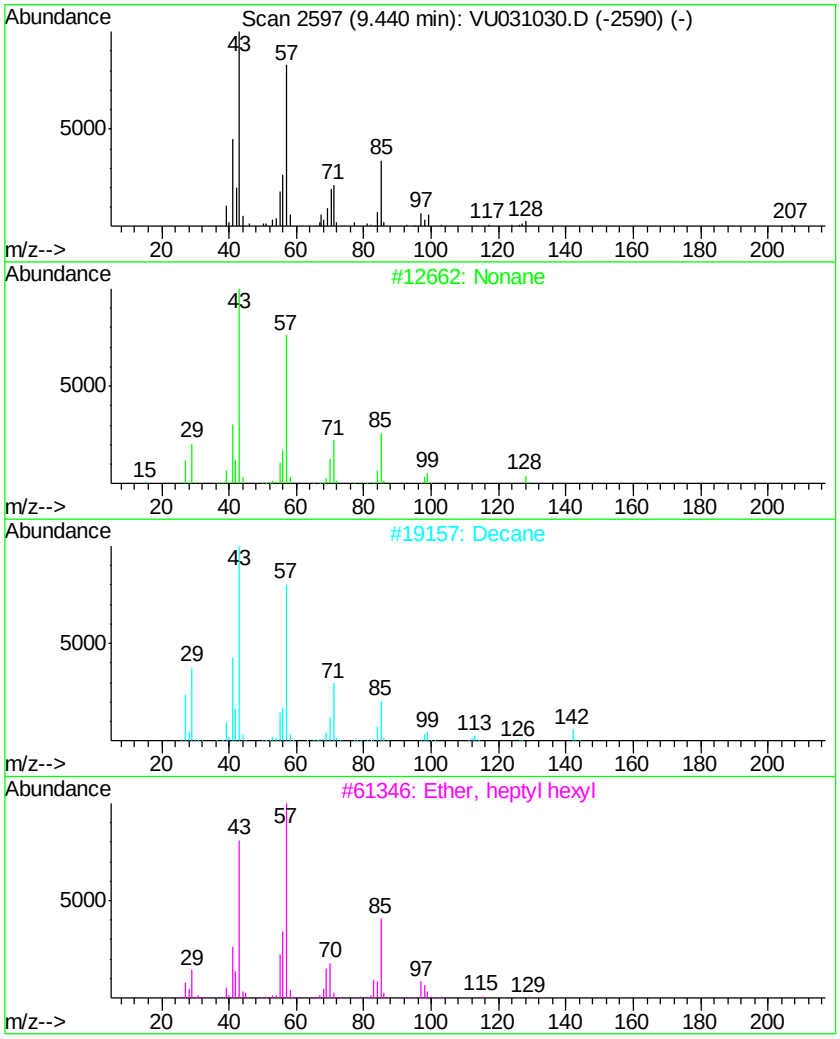
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

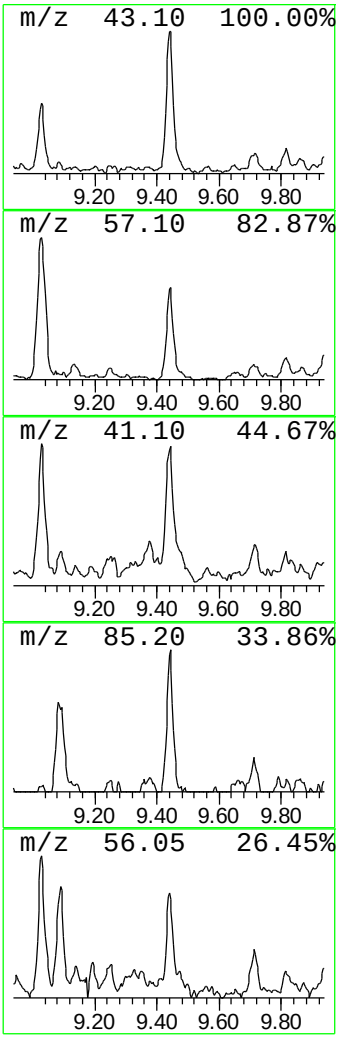
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	3.10 ug/L	134364	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	62
2	Decane	142	C10H22	000124-18-5	59
3	Ether, heptyl hexyl	200	C13H28O	007289-40-9	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	47





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Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

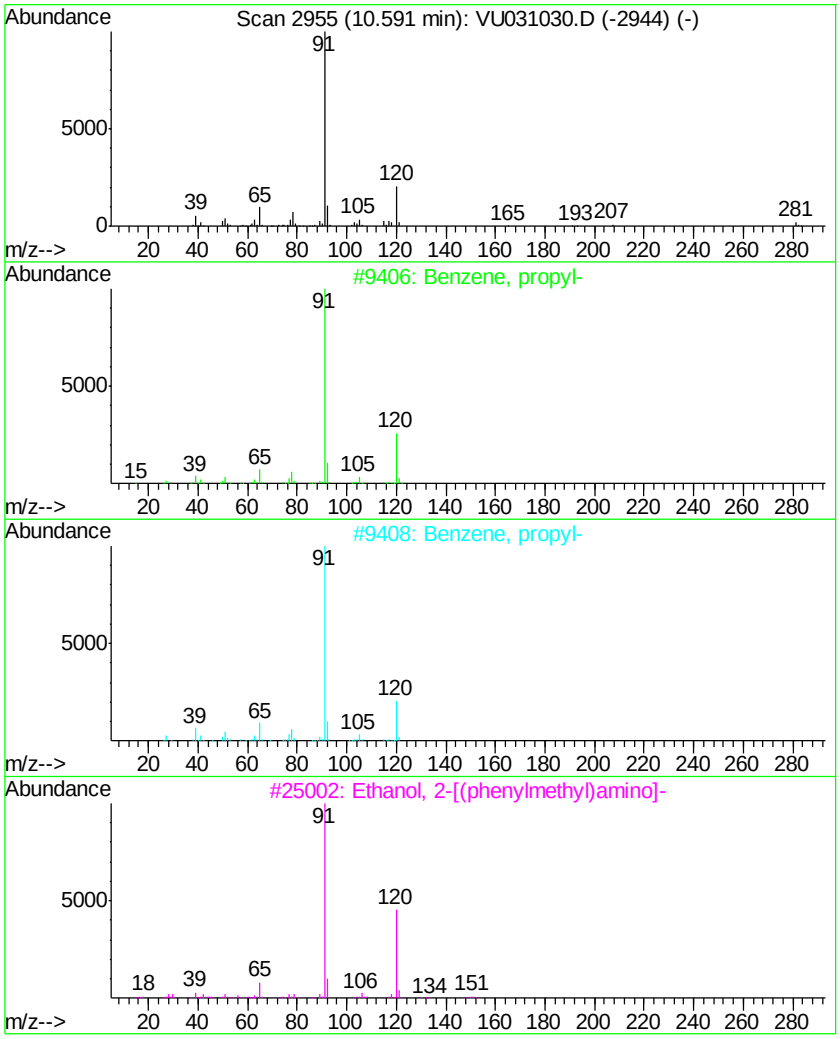
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

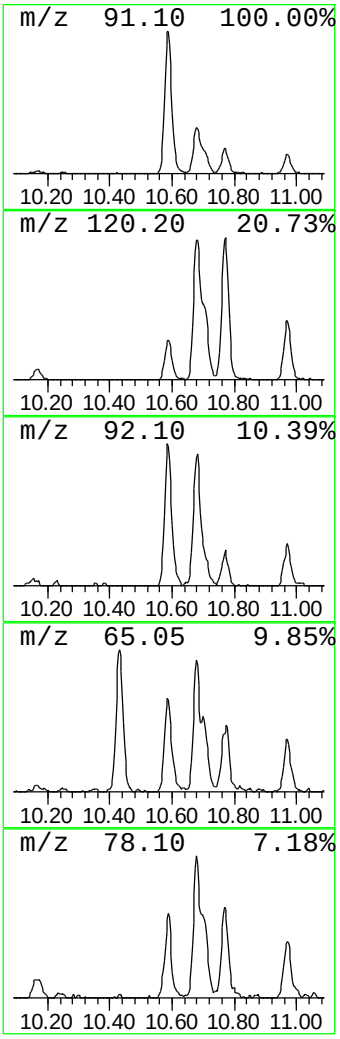
****

Peak Number 8 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	5.37 ug/L	255151	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	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64
5	n-Butylbenzylamine	163	C11H17N	002403-22-7	64





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Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

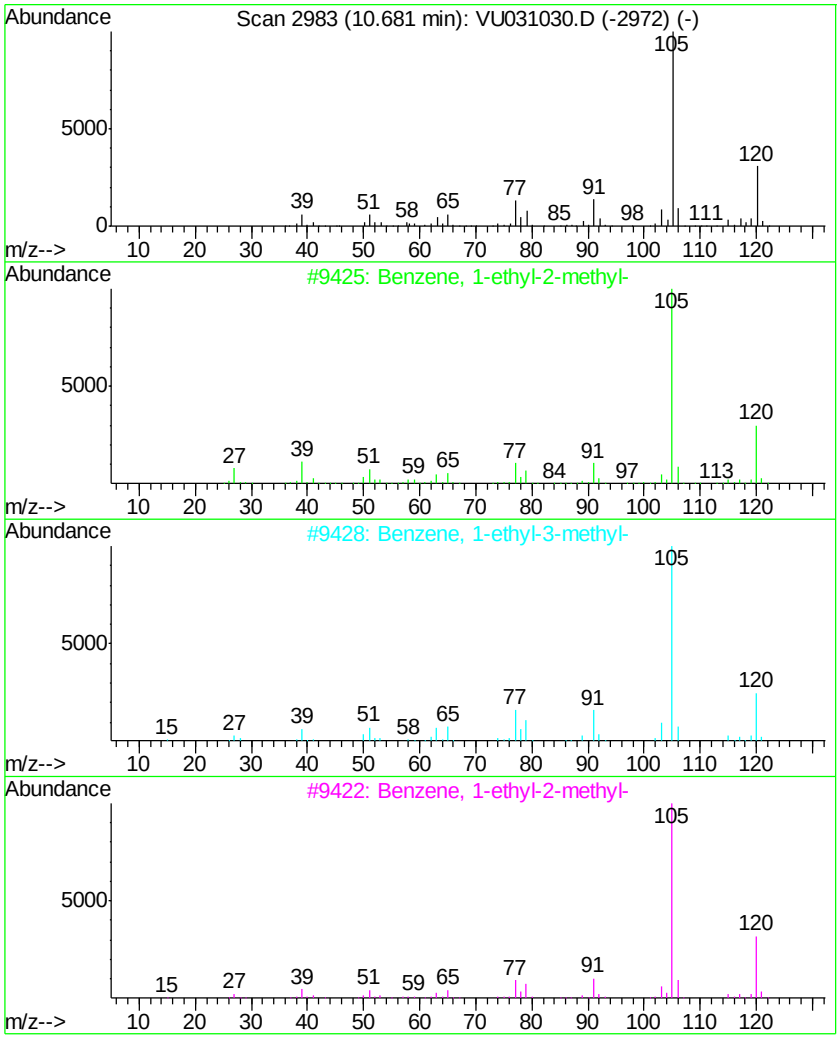
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

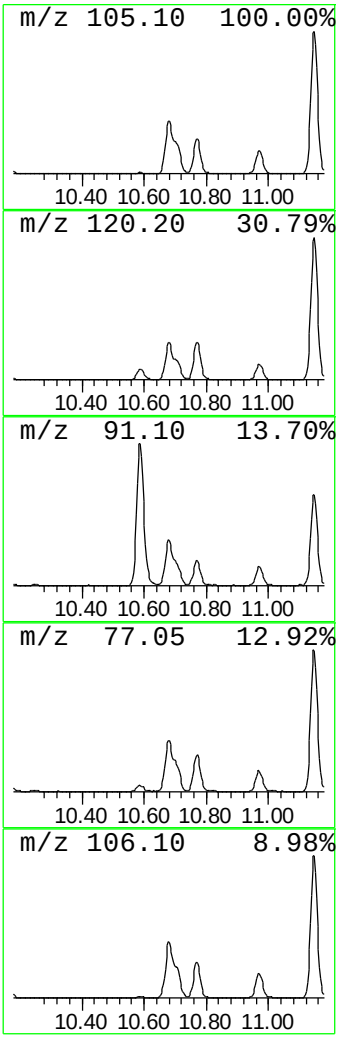
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	22.88 ug/L	1086600	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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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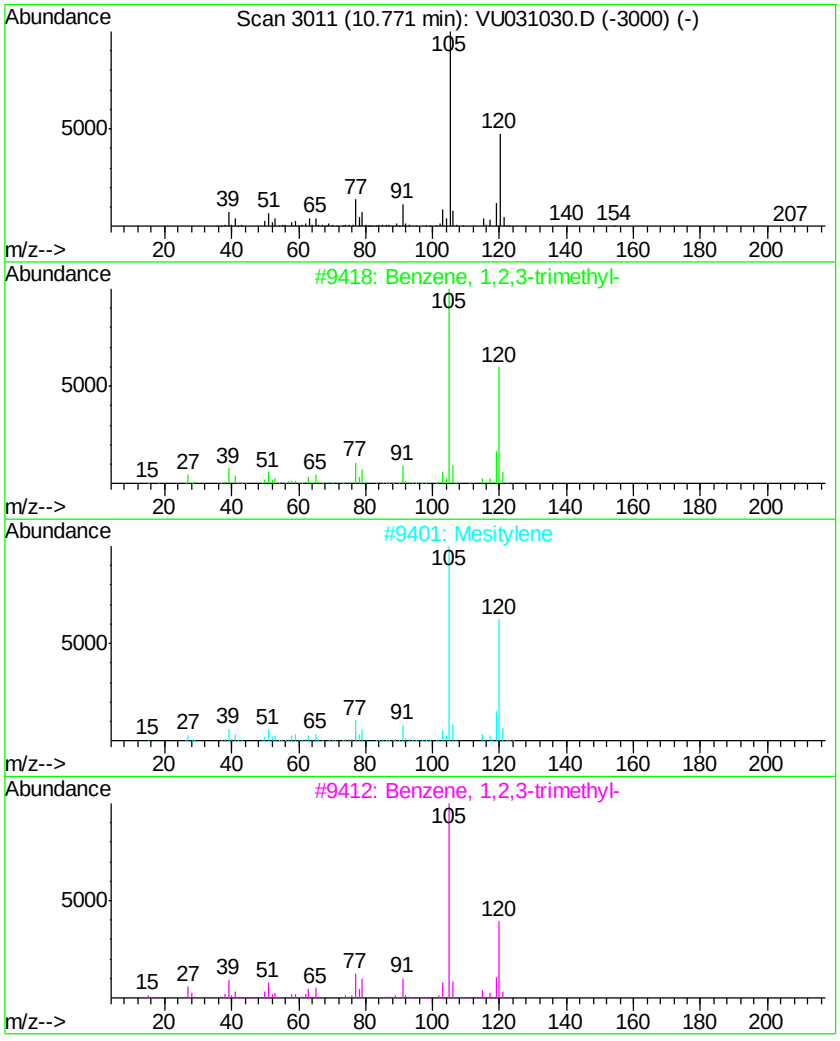
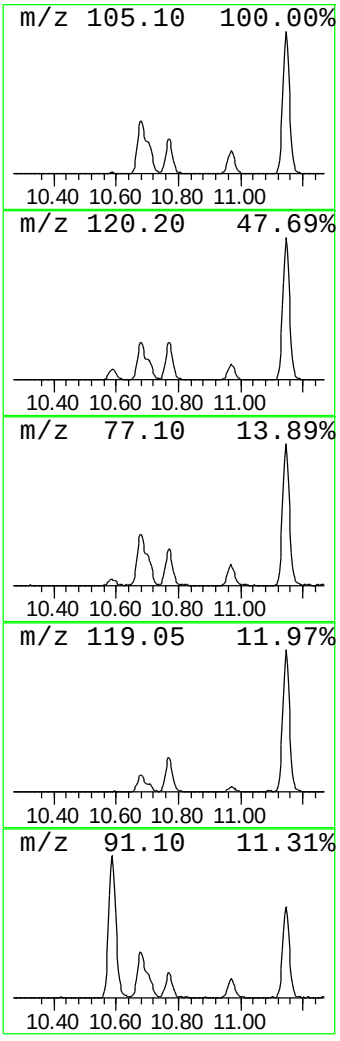
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	11.96 ug/L	568067	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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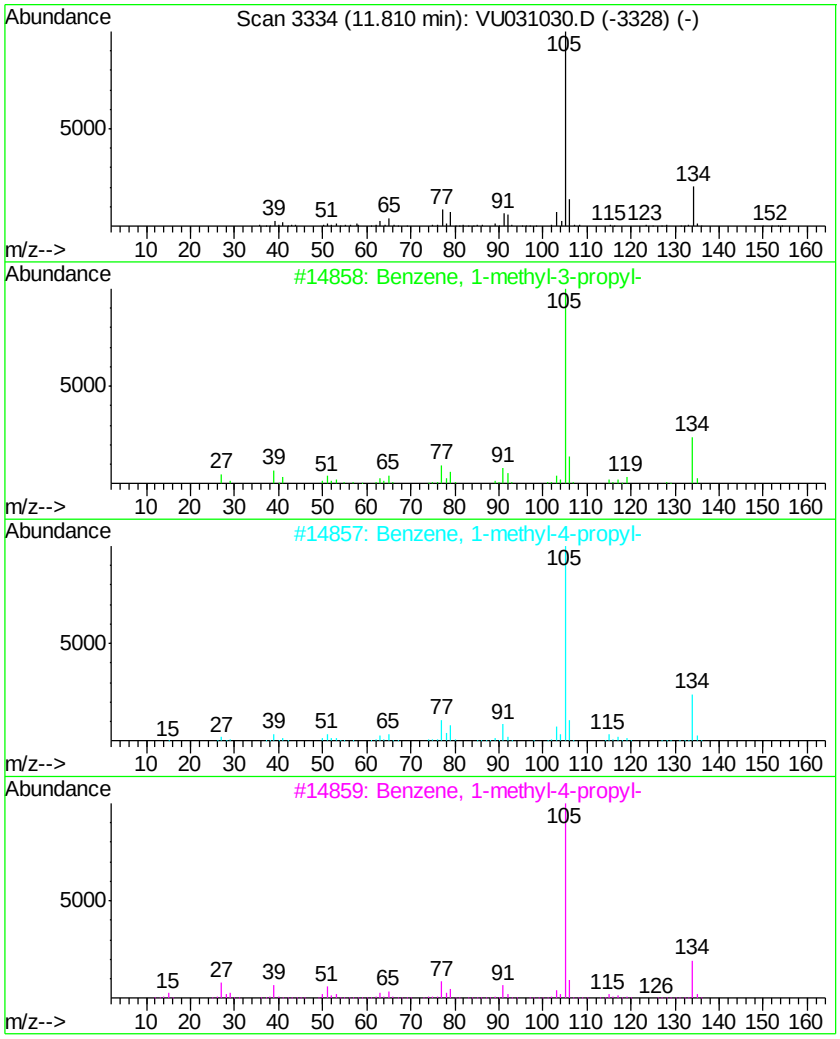
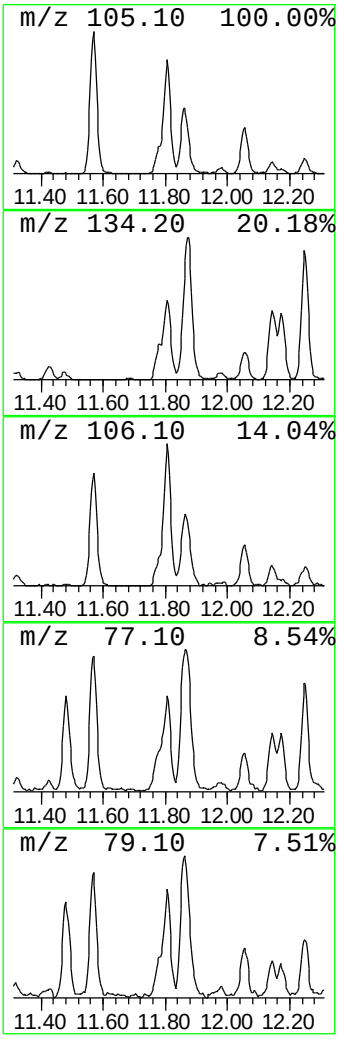
Peak Number 15 Benzene, 1-methyl-3-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	7.48 ug/L	355102	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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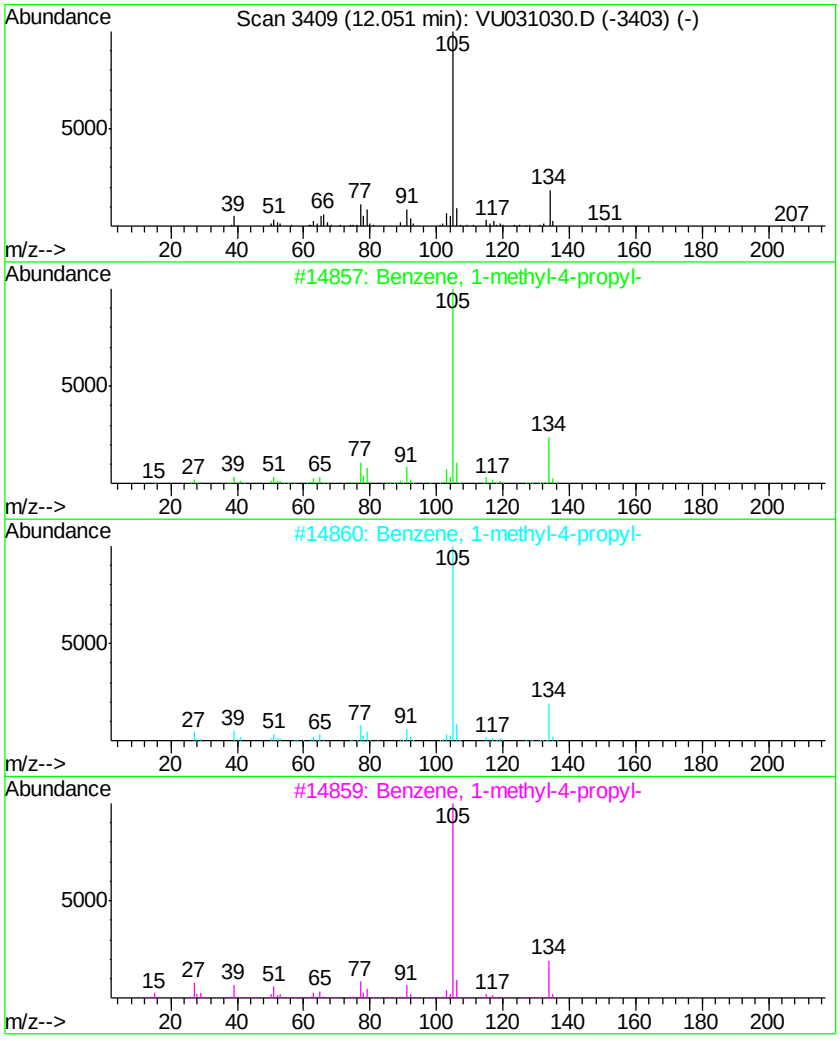
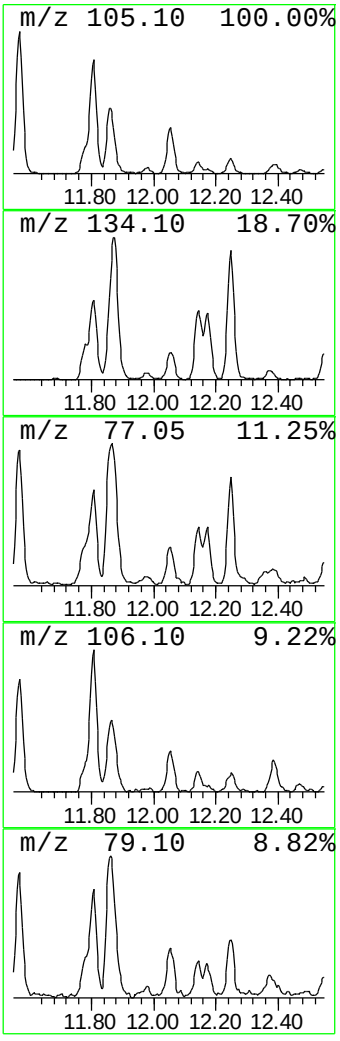
Peak Number 16 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	3.81 ug/L	180846	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





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Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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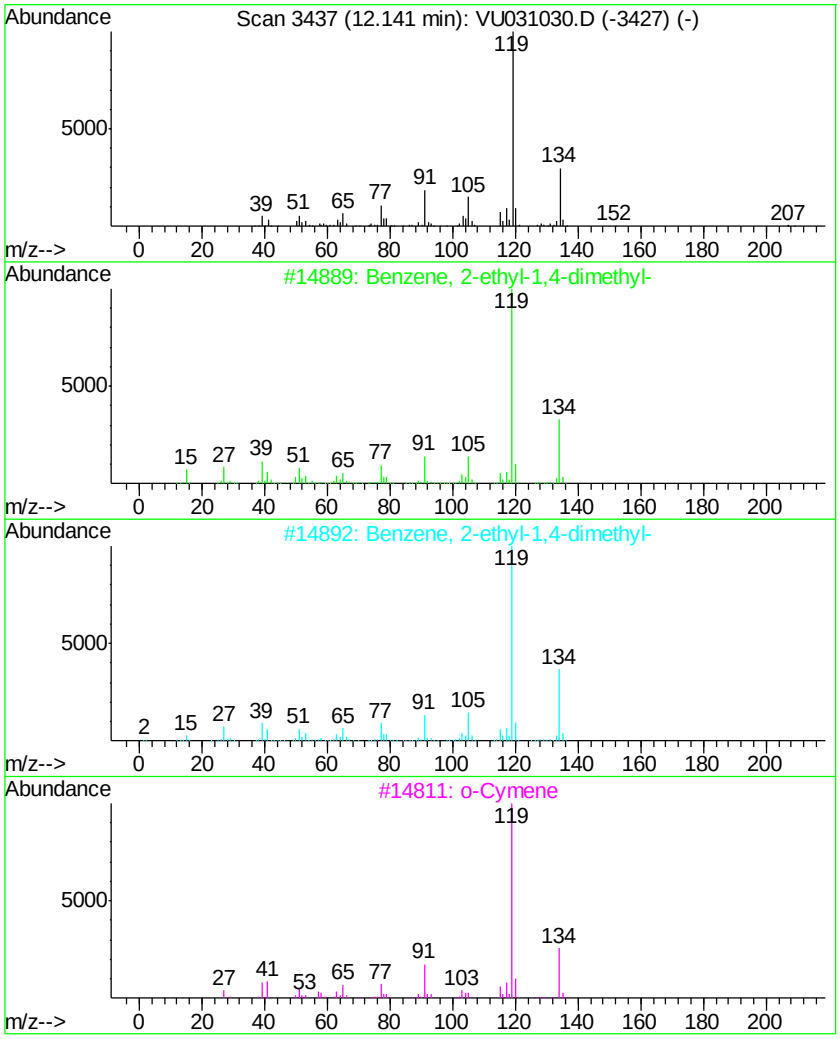
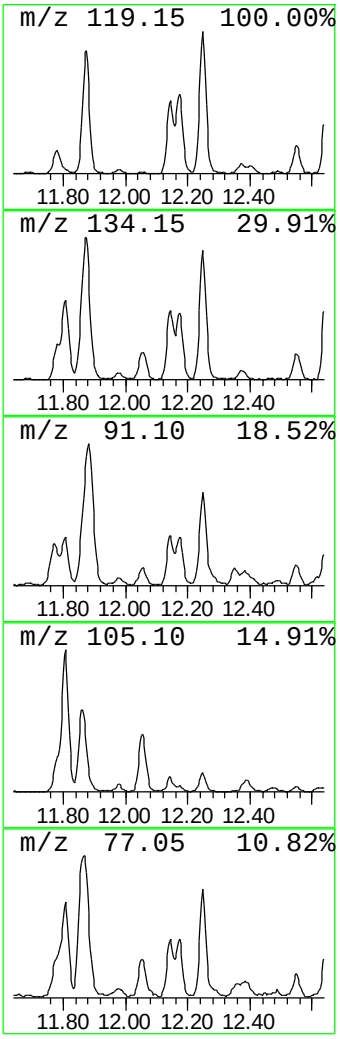
Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.06 ug/L	287747	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	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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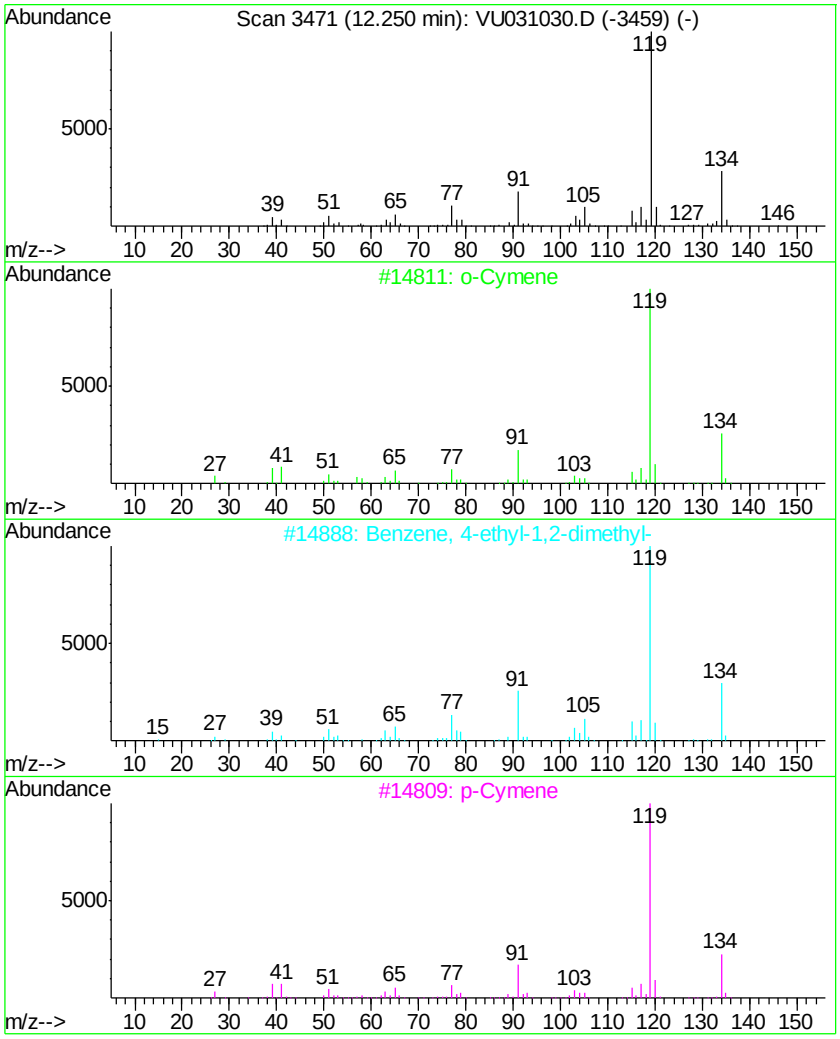
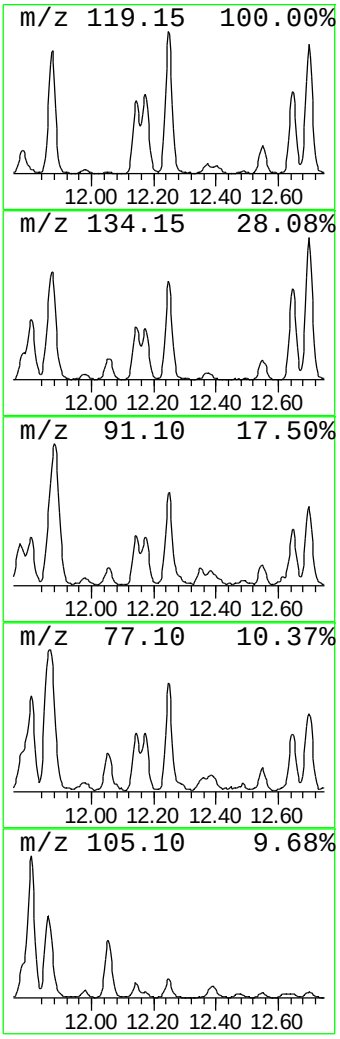
Peak Number 19 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	12.39 ug/L	588659	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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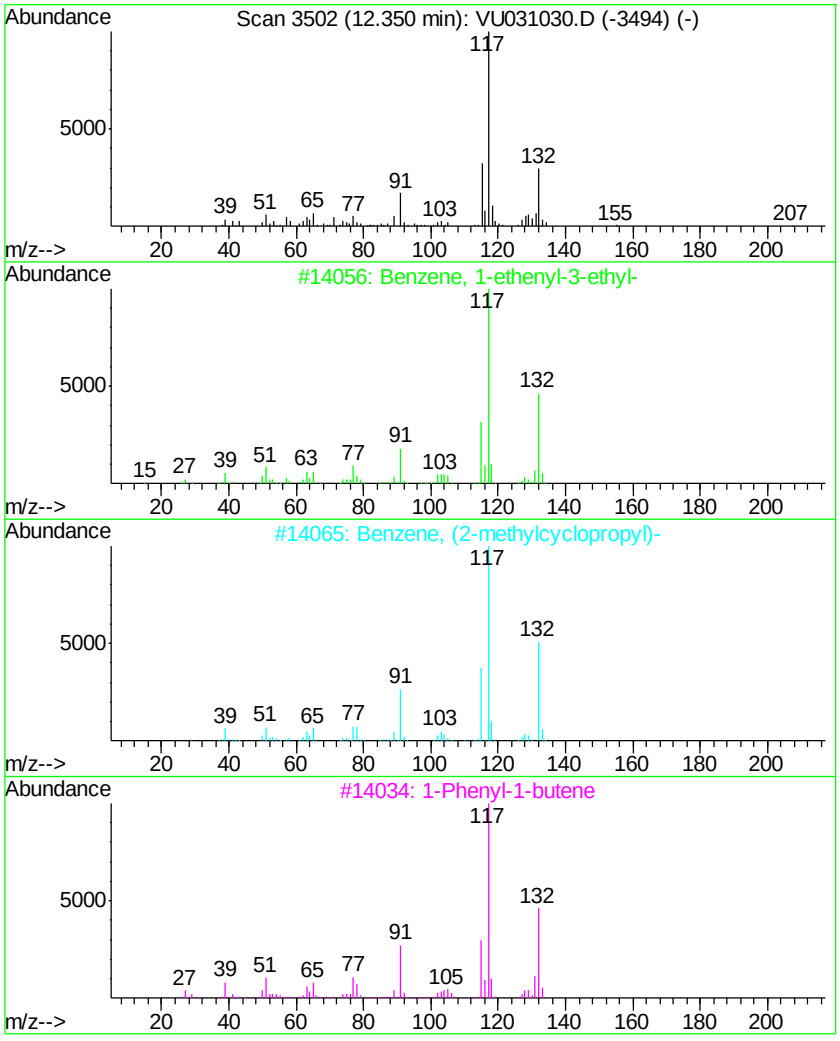
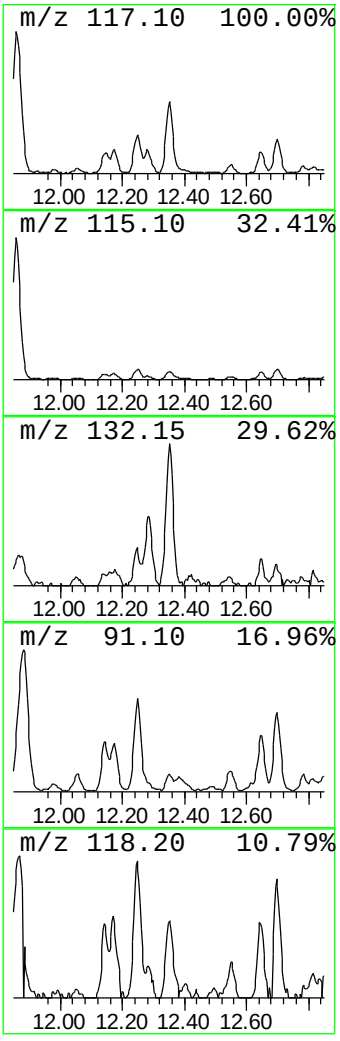
Peak Number 20 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.87 ug/L	136547	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	87
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Library Search Compound Report

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Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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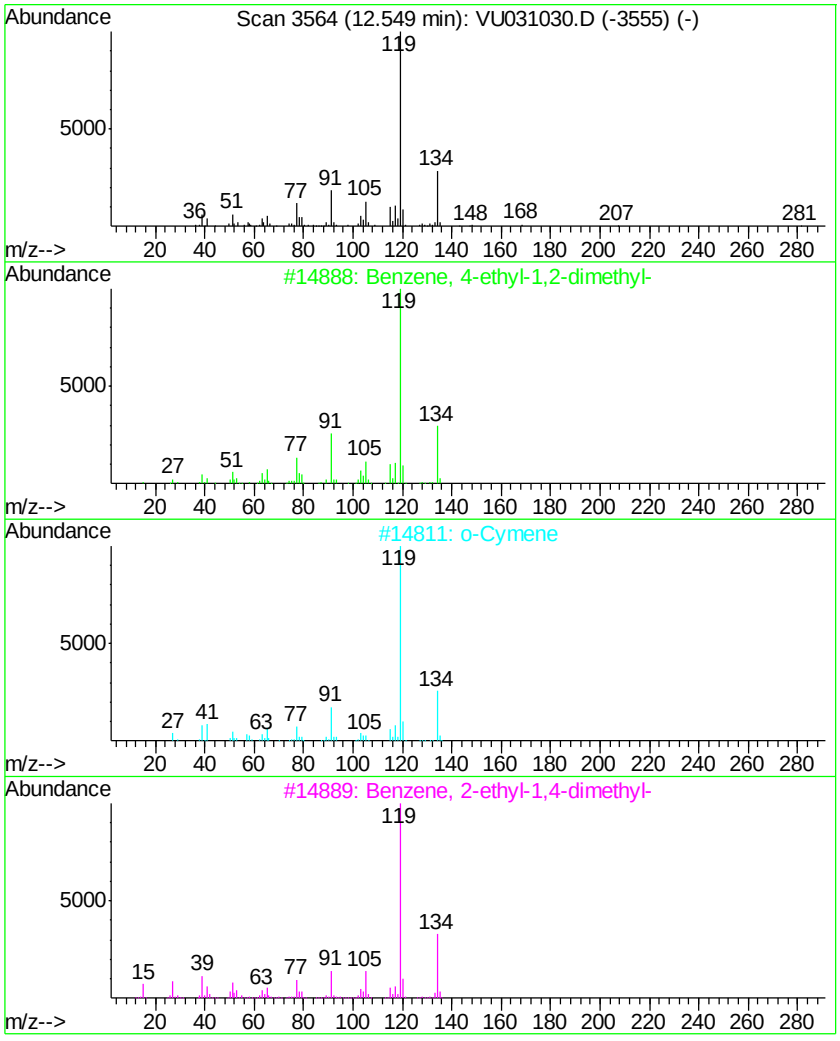
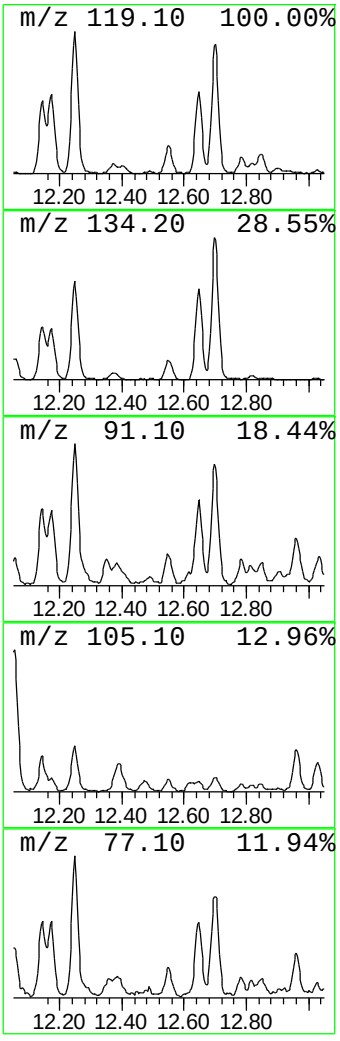
Peak Number 21 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.76 ug/L	131264	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	97
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
5	o-Cymene	134	C10H14	000527-84-4	90





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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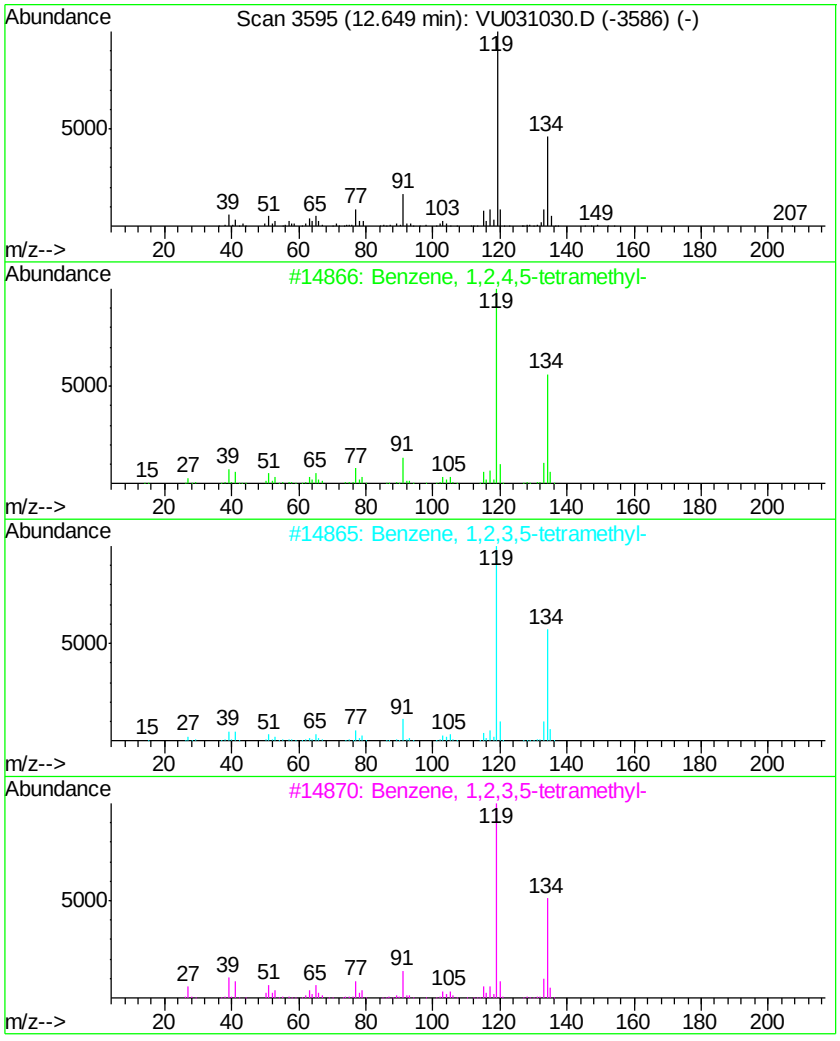
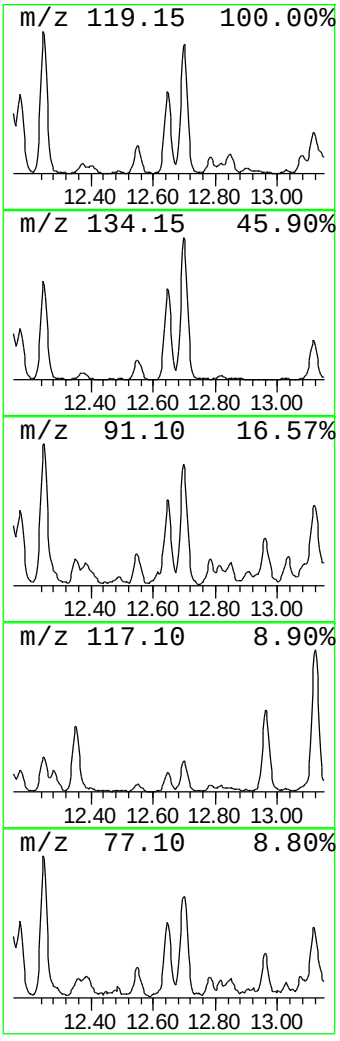
Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	6.34 ug/L	301300	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	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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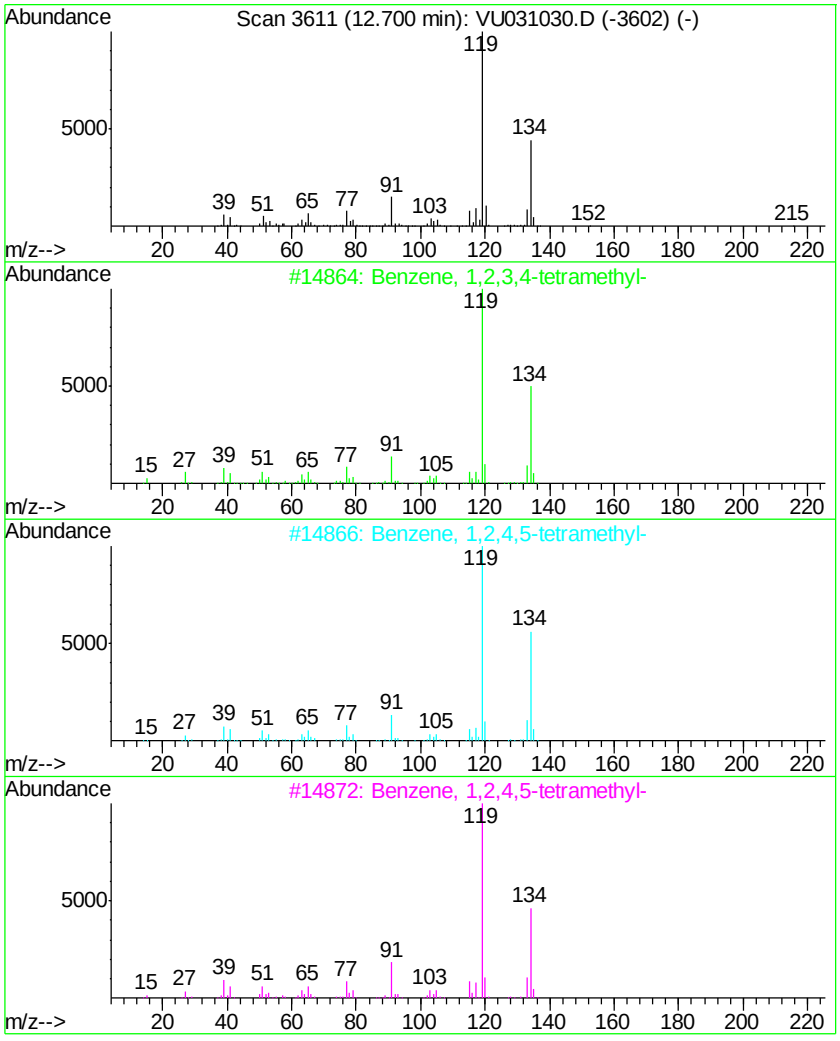
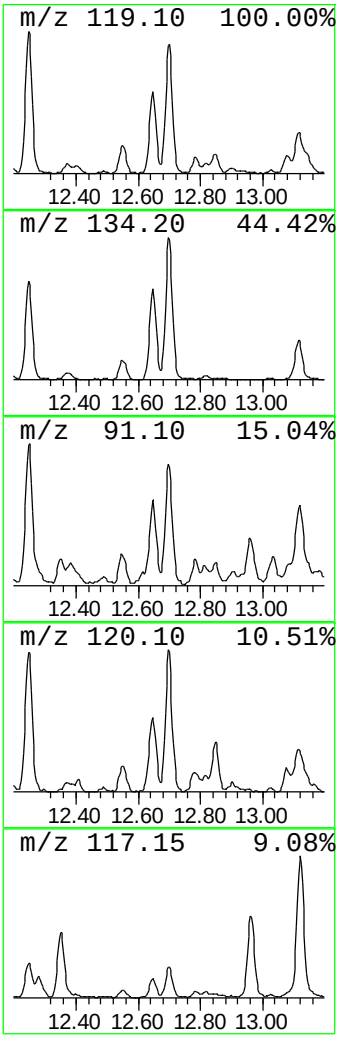
Peak Number 23 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	11.77 ug/L	558799	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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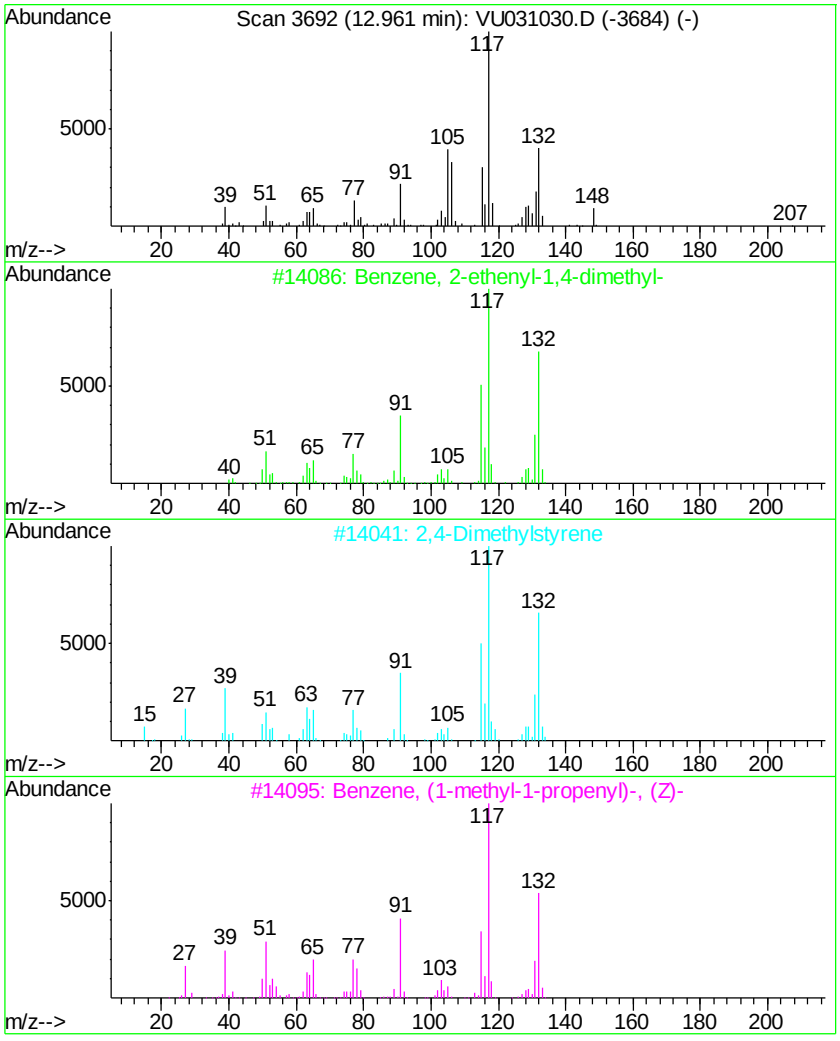
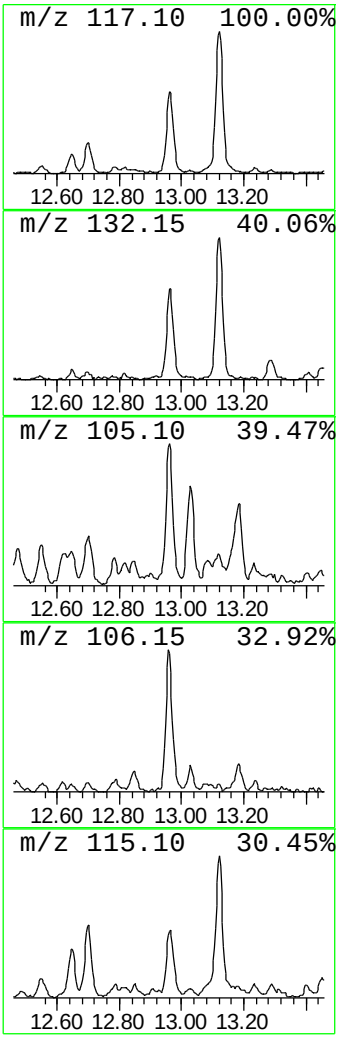
Peak Number 24 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	4.60 ug/L	218387	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	91
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	89
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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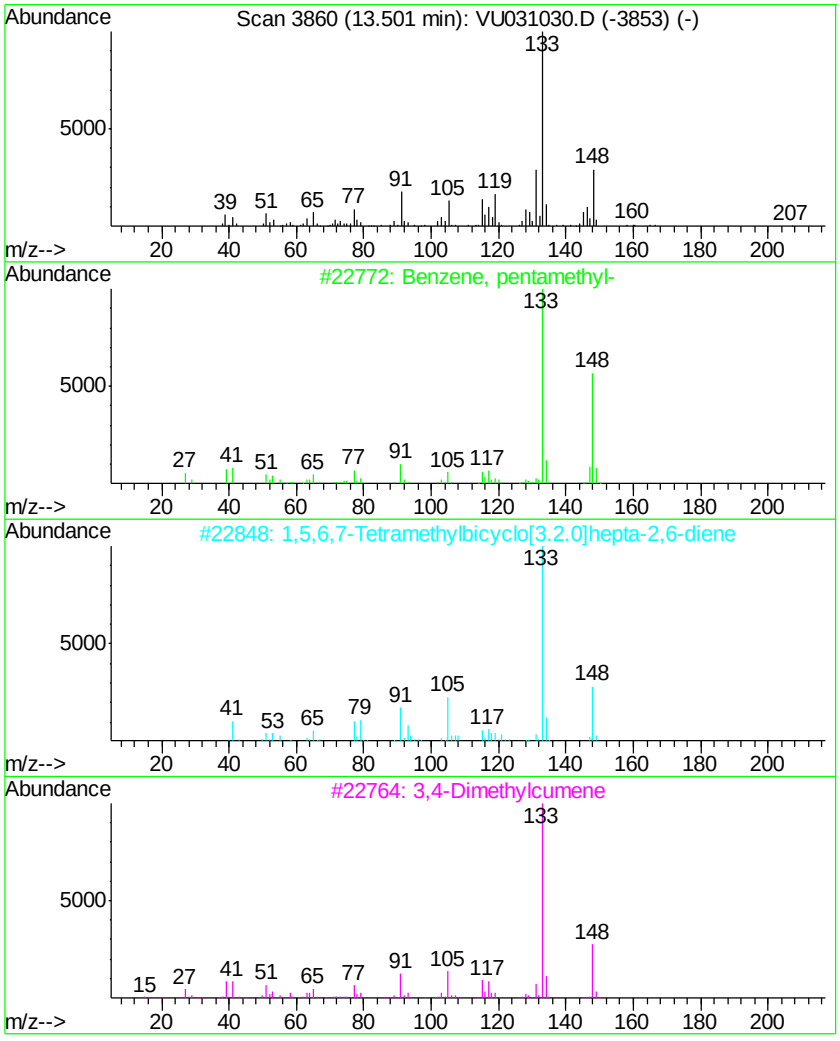
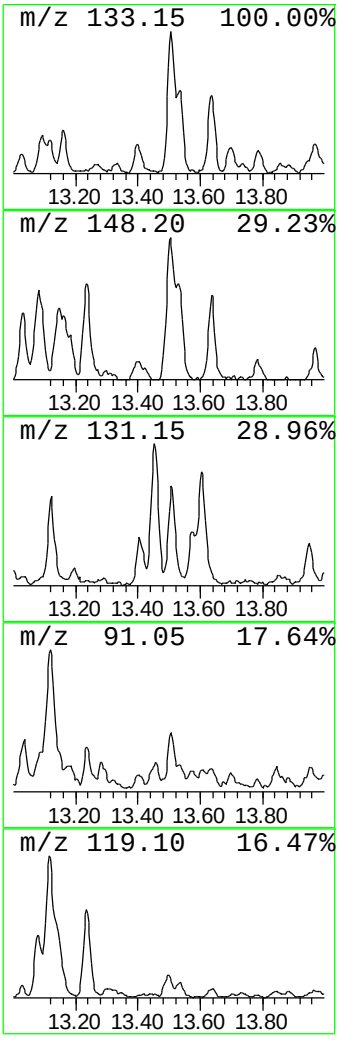
Peak Number 26 Benzene, pentamethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.34 ug/L	158433	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	68
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	68
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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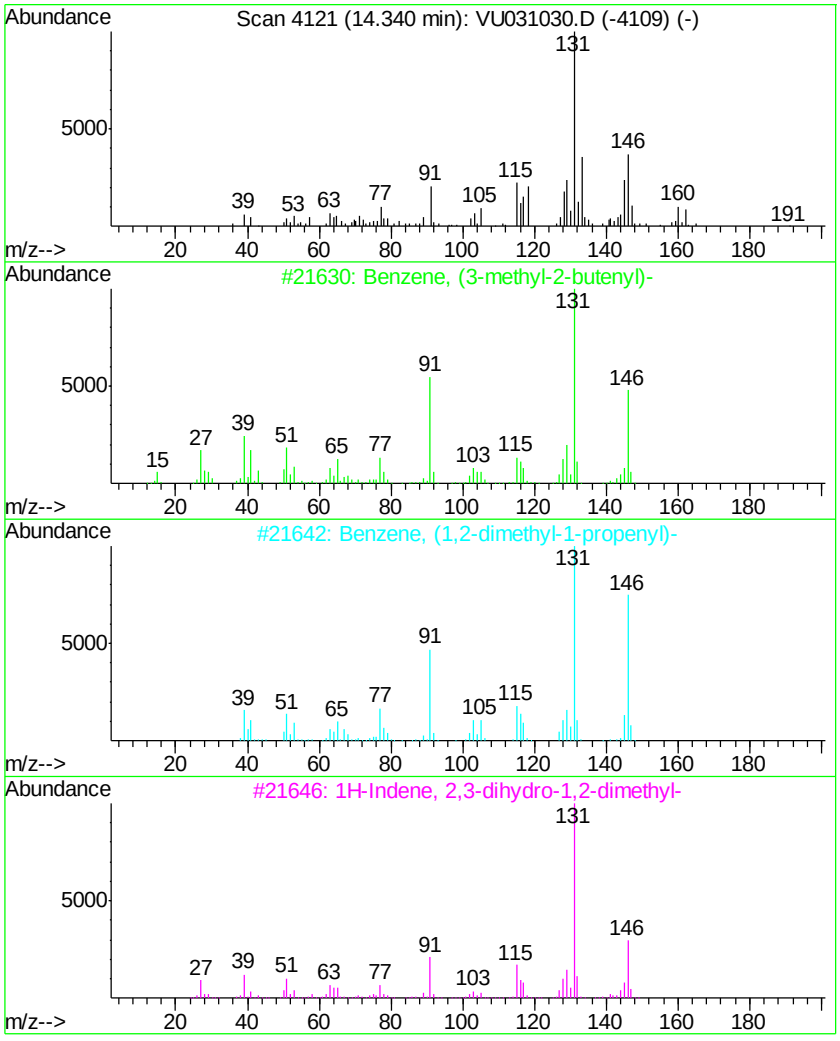
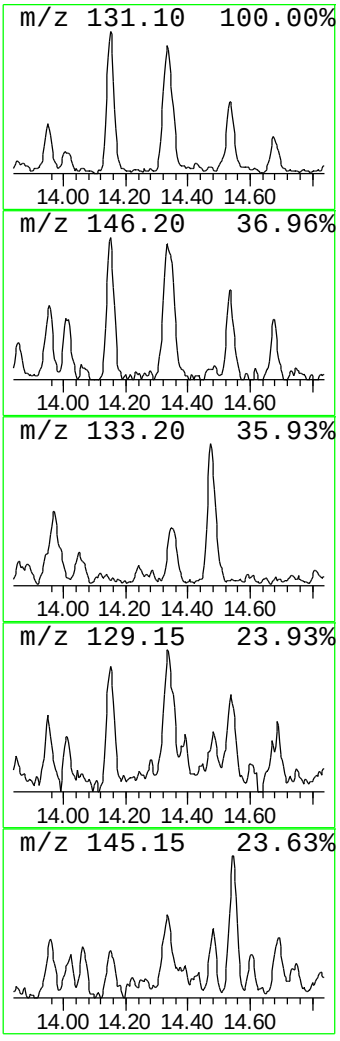
Peak Number 28 Benzene, (3-methyl-2-butenyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.85 ug/L	135358	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

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

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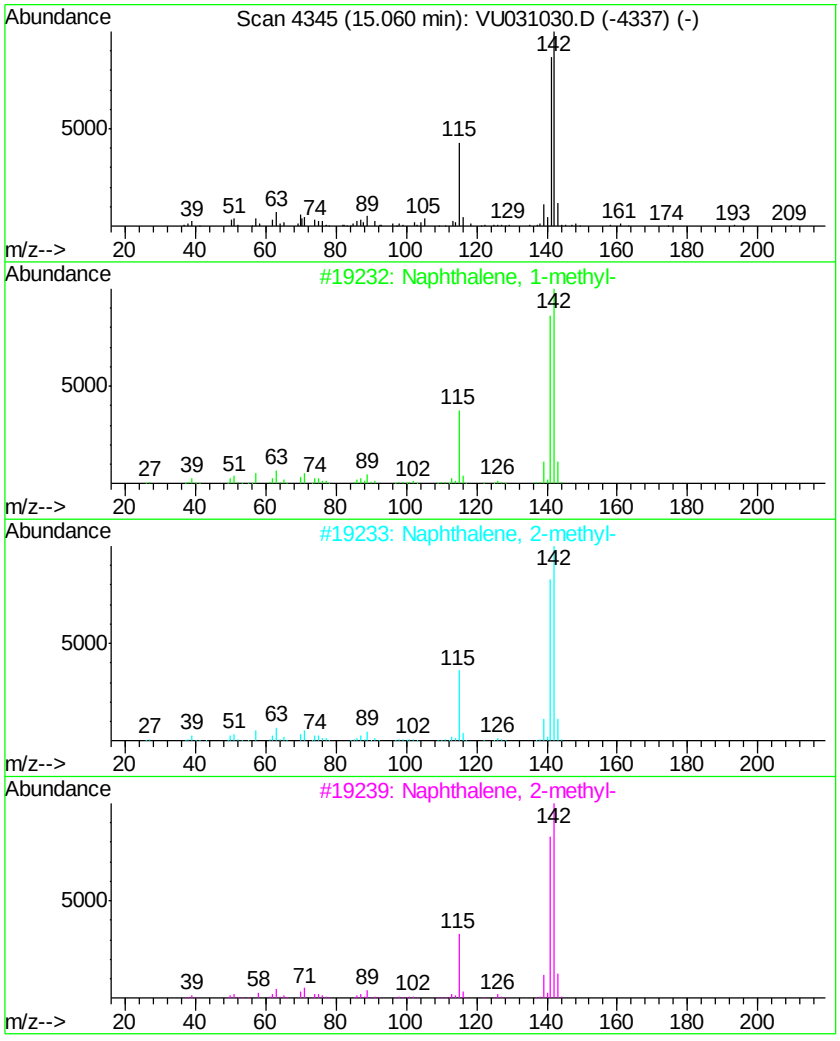
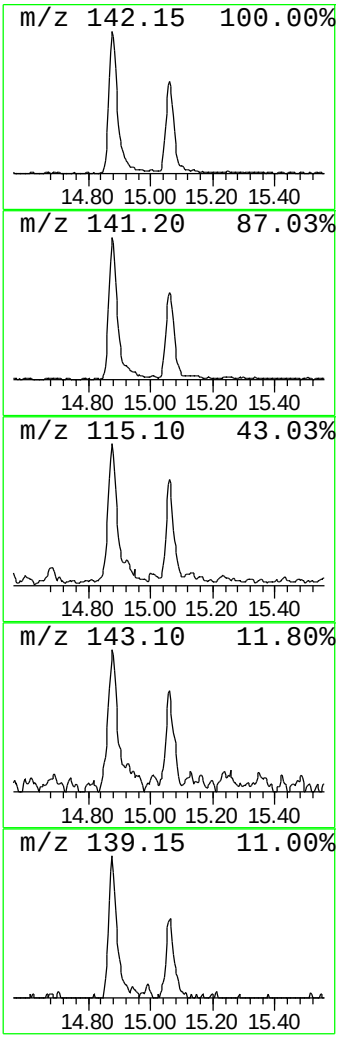
Peak Number 30 Naphthalene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.63 ug/L	125011	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041119\
Data File : VU031030.D
Acq On : 10 Apr 2019 22:37
Operator : JC/SP
Sample : K2254-08ME
Misc : 6.38g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC29ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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
unknown-01	1.56	2.7	ug/L	87511	1	5.88	1633190	50.0
(DEL) Alkane: Str...	5.21	2.7	ug/L	87927	1	5.88	1633190	50.0
(DEL) Alkane: Str...	5.52	3.3	ug/L	108215	1	5.88	1633190	50.0
(DEL) Alkane: Str...	6.92	2.6	ug/L	84146	1	5.88	1633190	50.0
(DEL) Alkane: Str...	7.33	3.3	ug/L	107289	1	5.88	1633190	50.0
(DEL) Alkane: Str...	9.44	3.1	ug/L	134364	2	9.09	2169790	50.0
Benzene, propyl-	10.59	5.4	ug/L	255151	3	11.48	2374830	50.0
Benzene, 1-ethyl-...	10.68	22.9	ug/L	1086600	3	11.48	2374830	50.0
Benzene, 1,2,3-tr...	10.77	12.0	ug/L	568067	3	11.48	2374830	50.0
Benzene, 1-methyl...	11.81	7.5	ug/L	355102	3	11.48	2374830	50.0
Benzene, 1-methyl...	12.05	3.8	ug/L	180846	3	11.48	2374830	50.0
Benzene, 2-ethyl-...	12.14	6.1	ug/L	287747	3	11.48	2374830	50.0
o-Cymene	12.25	12.4	ug/L	588659	3	11.48	2374830	50.0
Benzene, 1-etheny...	12.35	2.9	ug/L	136547	3	11.48	2374830	50.0
Benzene, 4-ethyl-...	12.55	2.8	ug/L	131264	3	11.48	2374830	50.0
Benzene, 1,2,4,5-...	12.65	6.3	ug/L	301300	3	11.48	2374830	50.0
Benzene, 1,2,3,4-...	12.70	11.8	ug/L	558799	3	11.48	2374830	50.0
Benzene, 2-etheny...	12.96	4.6	ug/L	218387	3	11.48	2374830	50.0
Benzene, pentamet...	13.50	3.3	ug/L	158433	3	11.48	2374830	50.0
Benzene, (3-methy...	14.34	2.9	ug/L	135358	3	11.48	2374830	50.0
Naphthalene, 1-me...	15.06	2.6	ug/L	125011	3	11.48	2374830	50.0