LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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	1.180	23	28	36	rBV2	16865	16718	0.92%	0.088%
2	1.392	88	94	107	rVB	301332	322068	17.67%	1.694%
3	1.675	174	182	197	rVV	209828	274937	15.08%	1.446%
4	1.749	199	205	217	rVB2	29468	41445	2.27%	0.218%
5	2.264	354	365	377	rBV	442043	674459	37.00%	3.547%
6	2.441	408	420	436	rBV	71958	133505	7.32%	0.702%
7	2.630	474	479	484	rBV5	1295	1441	0.08%	0.008%
8	2.704	489	502	508	rBV9	6262	14341	0.79%	0.075%
9	2.785	519	527	536	rBV2	20522	35846	1.97%	0.189%
10	2.875	553	555	560	rVB	1457	829	0.05%	0.004%
11	2.900	560	563	567	rBV3	1259	1155	0.06%	0.006%
12	2.990	577	591	607	rVB3	26027	55638	3.05%	0.293%
13	3.148	635	640	646	rBV2	1149	1161	0.06%	0.006%
14	3.331	692	697	702	rBV3	739	866	0.05%	0.005%
15	3.386	707	714	716	rBV3	911	916	0.05%	0.005%
16	3.849	855	858	863	rVB3	945	920	0.05%	0.005%
17	4.087	912	932	947	rBV3	84664	228159	12.52%	1.200%
18	4.170	947	958	998	rVV	195989	528936	29.02%	2.782%
19	4.643	1088	1105	1132	rBV2	302454	735044	40.32%	3.865%
20	4.990	1193	1213	1229	rBV3	134387	332438	18.24%	1.748%
21	5.077	1231	1240	1254	rVB8	10814	26685	1.46%	0.140%
22	5.254	1275	1295	1299	rBV8	21905	49454	2.71%	0.260%
23	5.334	1300	1320	1349	rVB2	623992	1822877	100.00%	9.586%
24	5.473	1353	1363	1376	rBV6	39759	85502	4.69%	0.450%
25	5.617	1398	1408	1425	rVB4	68051	157949	8.66%	0.831%
26	5.794	1459	1463	1466	rBV3	1512	1083	0.06%	0.006%
27	5.881	1476	1490	1511	rBV	532496	1078806	59.18%	5.673%
28	6.183	1573	1584	1603	rVB7	26761	64665	3.55%	0.340%
29	6.325	1613	1628	1641	rBV	412100	829099	45.48%	4.360%
30	6.408	1648	1654	1672	rVB2	203672	398180	21.84%	2.094%
31	6.637	1715	1725	1741	rVB5	19282	39962	2.19%	0.210%
32	6.739	1747	1757	1770	rVB4	13623	27496	1.51%	0.145%
33	6.820	1773	1782	1785	rBV8	3221	5183	0.28%	0.027%
34	6.900	1797	1807	1819	rVB5	17310	33027	1.81%	0.174%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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	6.964	1823	1827	1830	rBV3	1564	1257	0.07%	0.007%
36	7.064	1843	1858	1868	rBV5	13756	27902	1.53%	0.147%
37	7.177	1888	1893	1898	rBV5	2539	3141	0.17%	0.017%
38	7.225	1898	1908	1929	rVV	214996	406045	22.27%	2.135%
39	7.431	1963	1972	1983	rVB8	9455	18911	1.04%	0.099%
40	7.563	1991	2013	2035	rBV	792333	1483357	81.37%	7.801%
41	7.845	2091	2101	2114	rBV	154205	270587	14.84%	1.423%
42	7.913	2116	2122	2136	rVB5	38518	68294	3.75%	0.359%
43	8.042	2152	2162	2171	rBV4	17534	28256	1.55%	0.149%
44	8.096	2171	2179	2187	rVB5	9457	13615	0.75%	0.072%
45	8.154	2193	2197	2198	rBV4	1894	1315	0.07%	0.007%
46	8.267	2227	2232	2233	rBV2	1438	946	0.05%	0.005%
47	8.308	2234	2245	2278	rBV2	589223	1181705	64.83%	6.214%
48	8.543	2309	2318	2328	rBV2	31441	53495	2.93%	0.281%
49	8.762	2377	2386	2396	rVB10	7936	14844	0.81%	0.078%
50	8.820	2396	2404	2406	rBV5	2443	3198	0.18%	0.017%
51	8.845	2406	2412	2421	rVB10	5058	9214	0.51%	0.048%
52	8.935	2437	2440	2442	rBV3	1546	881	0.05%	0.005%
53	9.087	2474	2487	2508	rBV	775147	1316461	72.22%	6.923%
54	9.350	2563	2569	2570	rBV5	5456	4809	0.26%	0.025%
55	9.566	2629	2636	2644	rVB7	4452	7383	0.41%	0.039%
56	9.646	2658	2661	2667	rVB5	1991	1444	0.08%	0.008%
57	9.717	2671	2683	2693	rBV5	9528	22399	1.23%	0.118%
58	9.778	2700	2702	2704	rBV2	1489	965	0.05%	0.005%
59	9.868	2727	2730	2734	rVB4	1204	1024	0.06%	0.005%
60	9.923	2738	2747	2749	rVV6	4559	6105	0.33%	0.032%
61	9.951	2749	2756	2765	rVV5	17753	28769	1.58%	0.151%
62	9.984	2765	2766	2771	rVB4	2139	1372	0.08%	0.007%
63	10.045	2777	2785	2795	rBV9	9908	18932	1.04%	0.100%
64	10.164	2812	2822	2840	rBV2	44384	75868	4.16%	0.399%
65	10.312	2860	2868	2870	rBV6	2763	3208	0.18%	0.017%
66	10.373	2882	2887	2892	rVB7	4790	5054	0.28%	0.027%
67	10.427	2893	2904	2920	rBV	573649	926058	50.80%	4.870%
68	10.588	2945	2954	2963	rBV	24435	42214	2.32%	0.222%
69	10.742	2999	3002	3005	rBV4	2340	1899	0.10%	0.010%
70	10.977	3068	3075	3084	rVB8	6180	11452	0.63%	0.060%
71	11.058	3091	3100	3101	rBV6	2300	2986	0.16%	0.016%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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	11.209	3144	3147	3149	rBV3	1431	991	0.05%	0.005%
73	11.324	3175	3183	3197	rVB2	14625	28787	1.58%	0.151%
74	11.431	3214	3216	3218	rBV3	1676	858	0.05%	0.005%
75	11.479	3220	3231	3257	rVV	703666	1141403	62.62%	6.002%
76	11.685	3288	3295	3307	rVB3	12193	18614	1.02%	0.098%
77	11.765	3310	3320	3331	rBV2	68520	118359	6.49%	0.622%
78	11.855	3337	3348	3372	rVB	738063	1245751	68.34%	6.551%
79	11.977	3380	3386	3394	rBV4	17300	24612	1.35%	0.129%
80	12.250	3462	3471	3477	rBV2	41368	60746	3.33%	0.319%
81	12.350	3493	3502	3522	rBV	73853	133301	7.31%	0.701%
82	12.533	3553	3559	3569	rVB3	13821	24060	1.32%	0.127%
83	12.646	3578	3594	3605	rBV	59823	121453	6.66%	0.639%
84	12.787	3631	3638	3648	rVB5	18815	30285	1.66%	0.159%
85	12.926	3673	3681	3686	rBV5	15771	27650	1.52%	0.145%
86	12.961	3688	3692	3698	rVV2	17938	22709	1.25%	0.119%
87	13.119	3733	3741	3752	rVB3	128345	193356	10.61%	1.017%
88	13.408	3824	3831	3837	rBV10	11667	20384	1.12%	0.107%
89	13.453	3838	3845	3854	rVB2	52139	81750	4.48%	0.430%
90	13.508	3854	3862	3869	rBV4	55982	84394	4.63%	0.444%
91	13.607	3888	3893	3914	rVB3	91917	194125	10.65%	1.021%
92	13.951	3993	4000	4010	rVB8	28593	52722	2.89%	0.277%
93	14.147	4055	4061	4077	rVB3	47743	92973	5.10%	0.489%
94	14.331	4109	4118	4129	rBV3	92641	178755	9.81%	0.940%
95	14.537	4175	4182	4195	rVB4	90457	167204	9.17%	0.879%
96	14.601	4197	4202	4213	rVB4	20467	29693	1.63%	0.156%
97	14.678	4217	4226	4239	rBV6	63582	134023	7.35%	0.705%
98	14.816	4262	4269	4277	rBV3	31875	51823	2.84%	0.273%
99	15.061	4335	4345	4358	rBV	285854	504784	27.69%	2.655%
100	16.061	4647	4656	4662	rBV2	88847	144067	7.90%	0.758%

Sum of corrected areas: 19015787

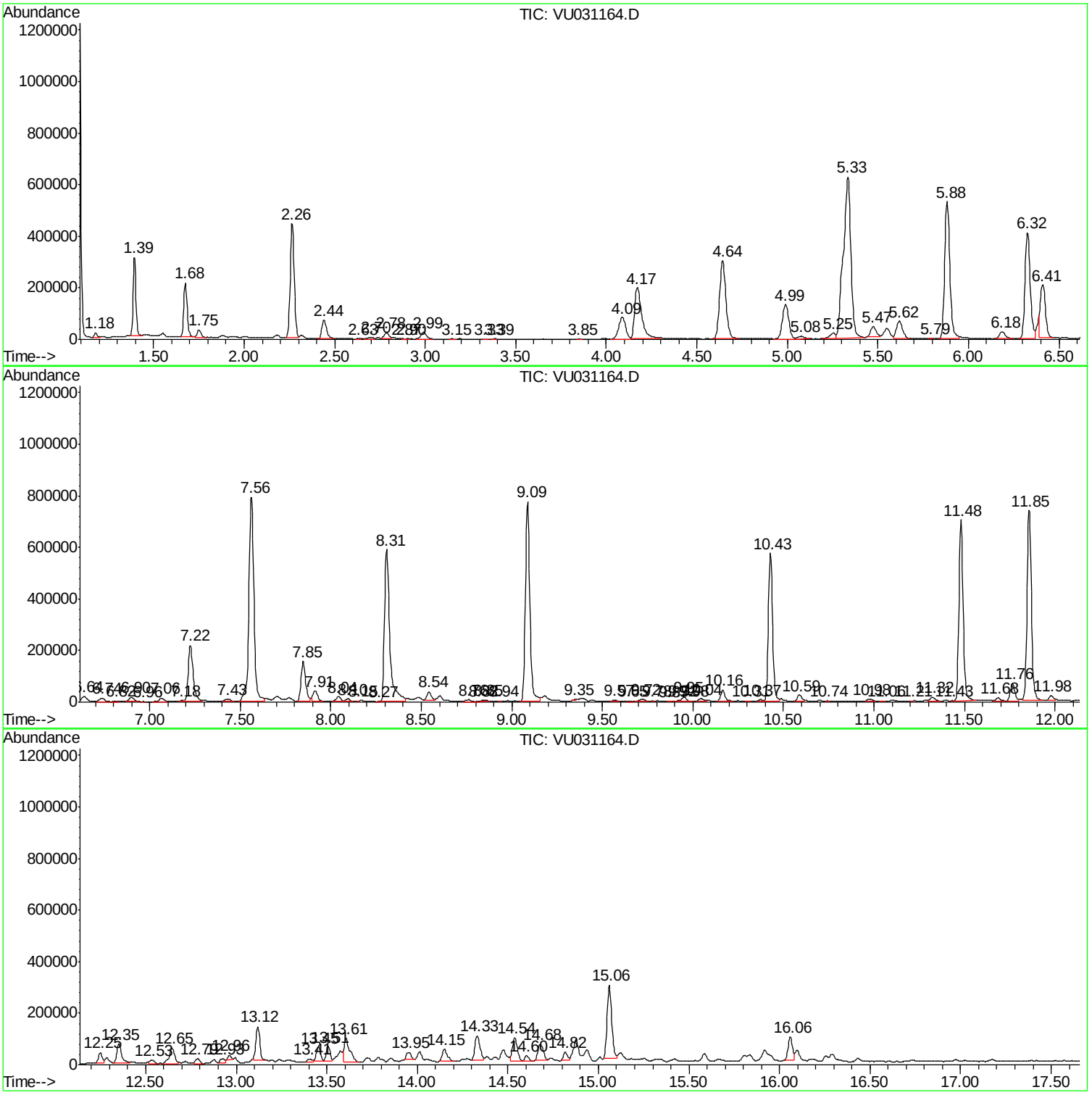
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

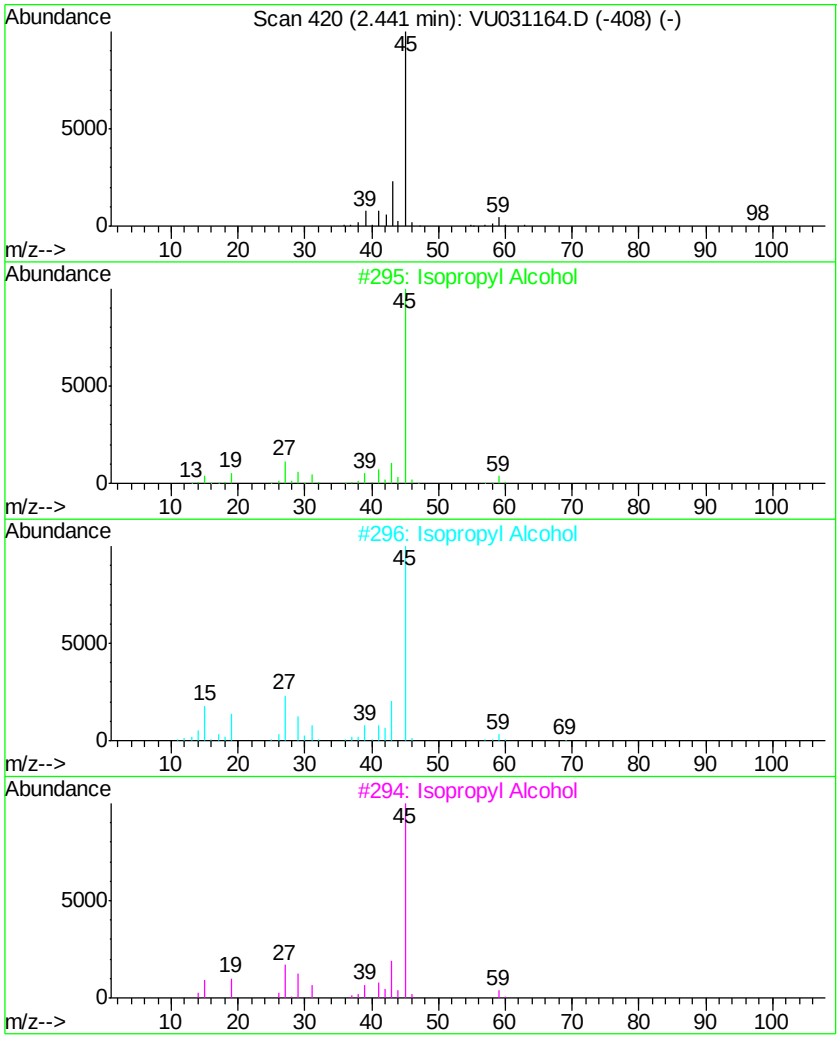
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

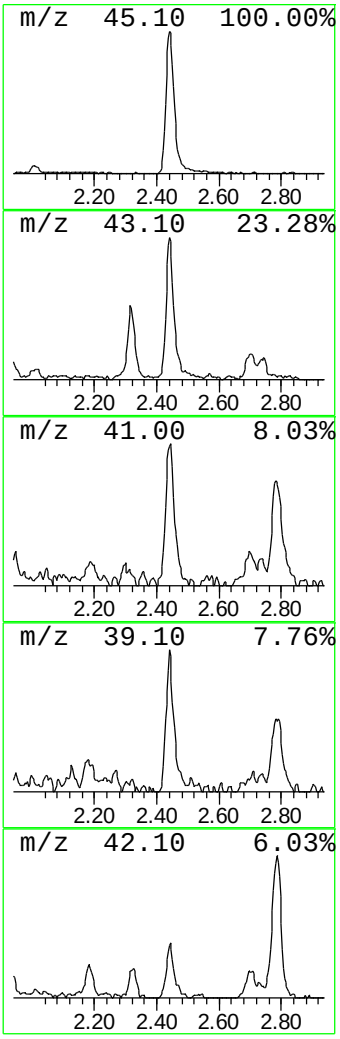
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	6.19 ug/L	133505	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

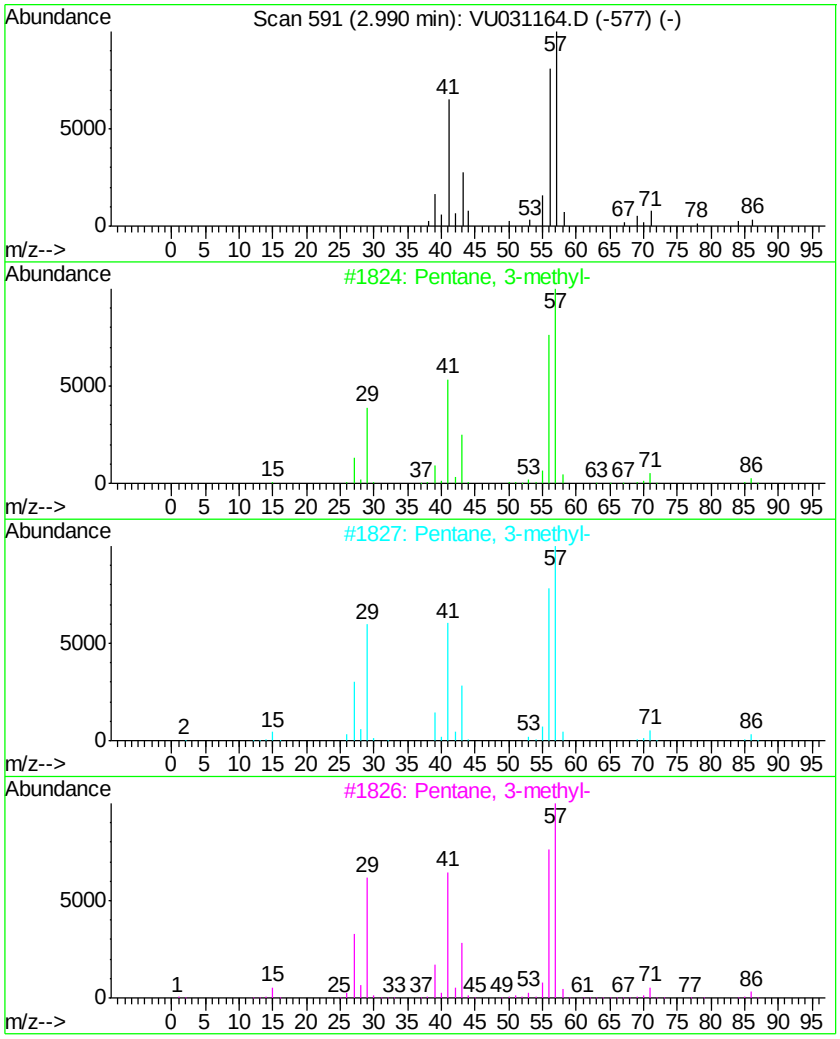
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

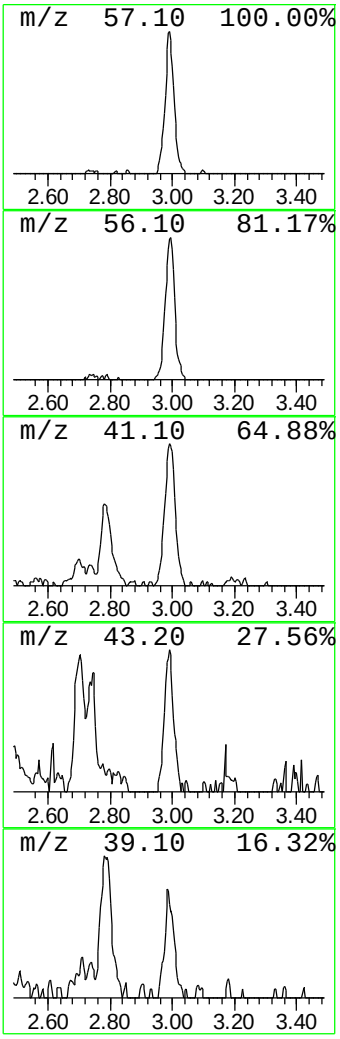
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	2.58 ug/L	55638	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

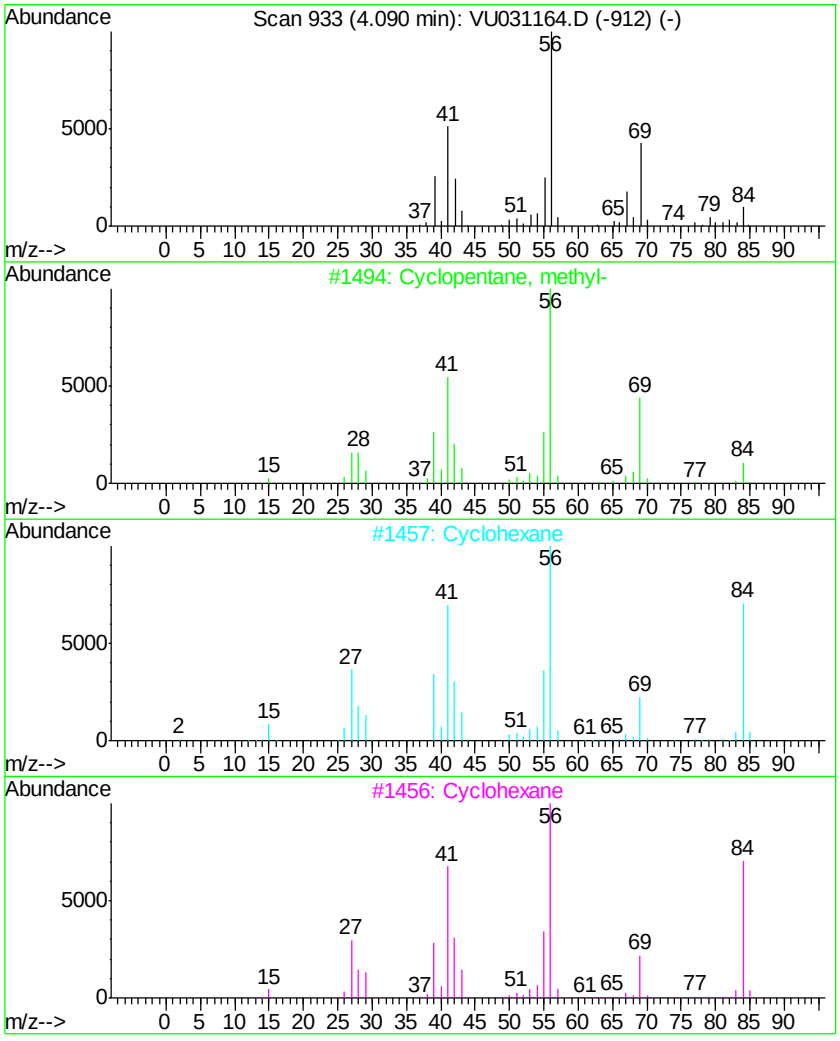
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

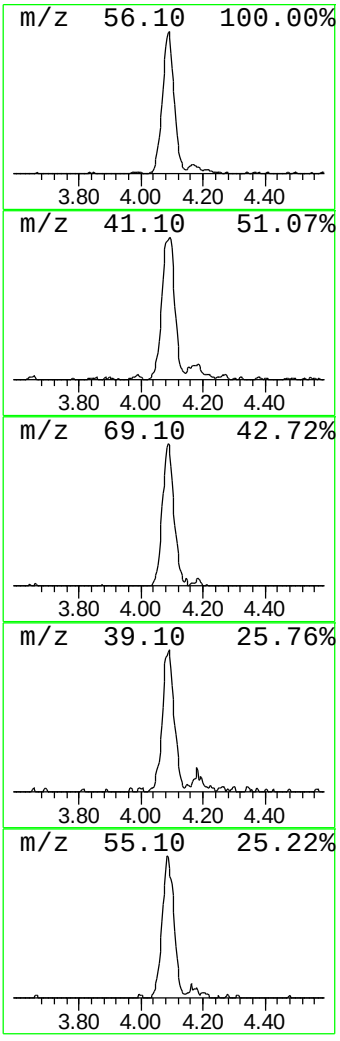
****

Peak Number 3 (DEL) Alkane: Cyclic4.09 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	10.57 ug/L	228159	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	Cyclohexane	84	C6H12	000110-82-7	64
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

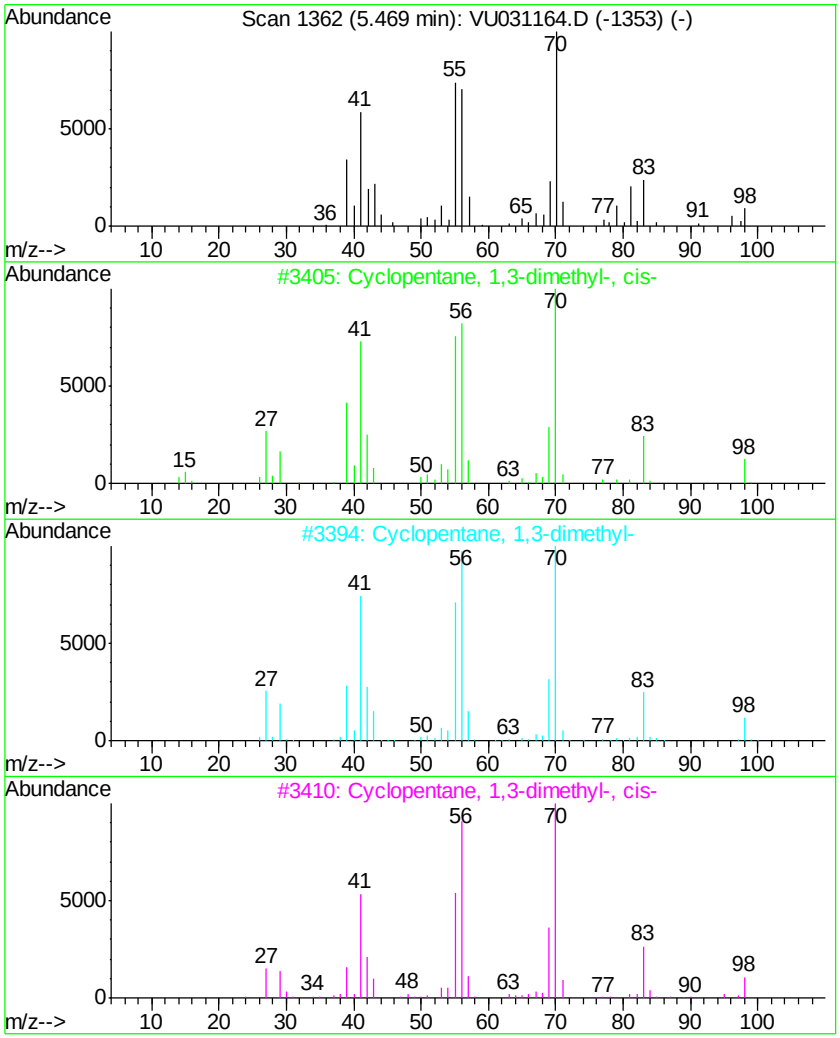
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

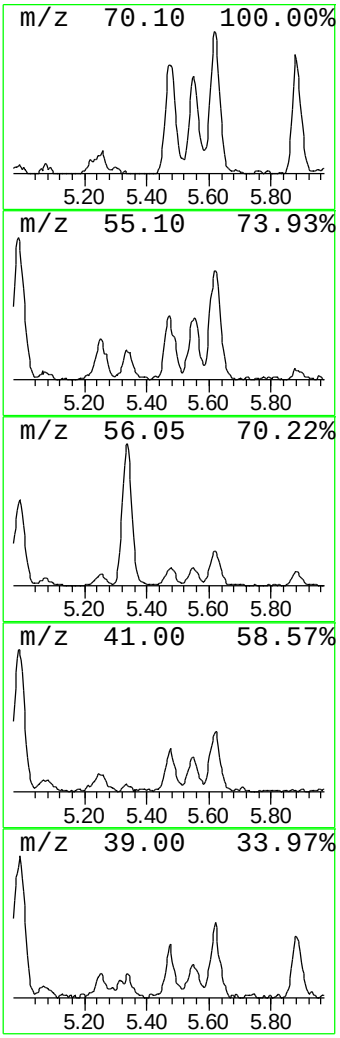
****

Peak Number 4 (DEL) Alkane: Cyclic5.47 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	3.96 ug/L	85502	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	81
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

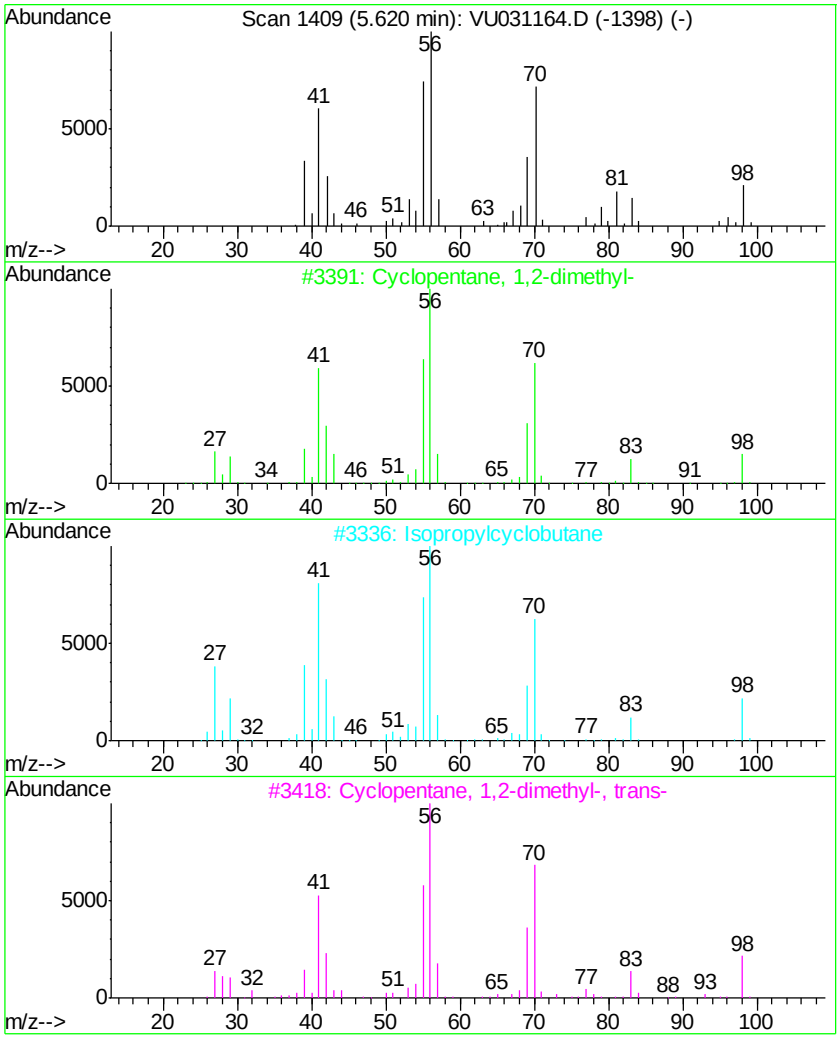
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

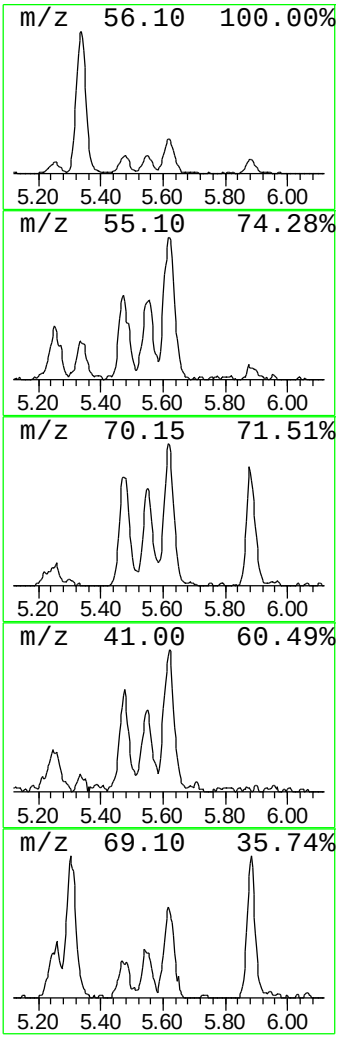
****

Peak Number 5 (DEL) Alkane: Cyclic5.62 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	7.32 ug/L	157949	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
2	Isopropylcyclobutane	98	C7H14	000872-56-0	87
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4	1-Heptene	98	C7H14	000592-76-7	87
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87





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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

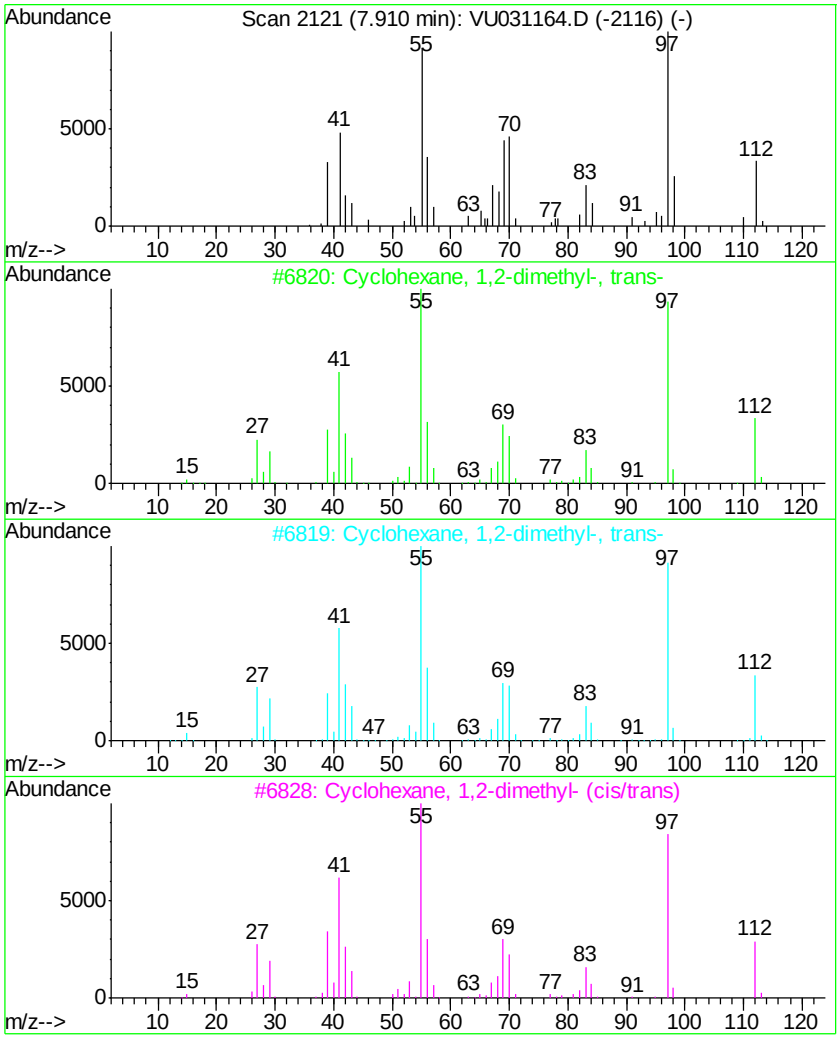
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

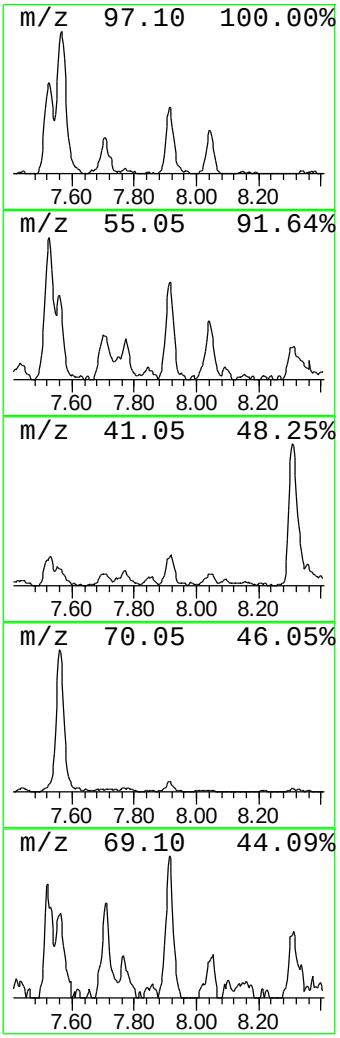
****

Peak Number 7 (DEL) Alkane: Cyclic7.91 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	2.59 ug/L	68294	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64





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Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

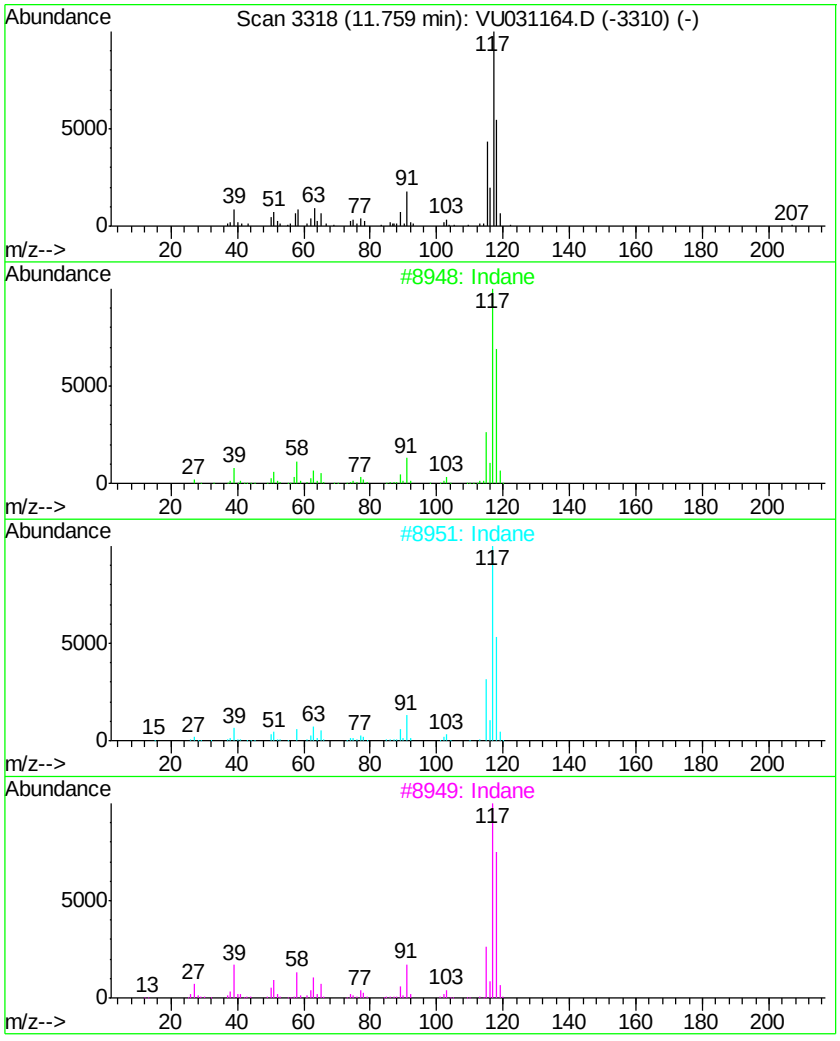
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

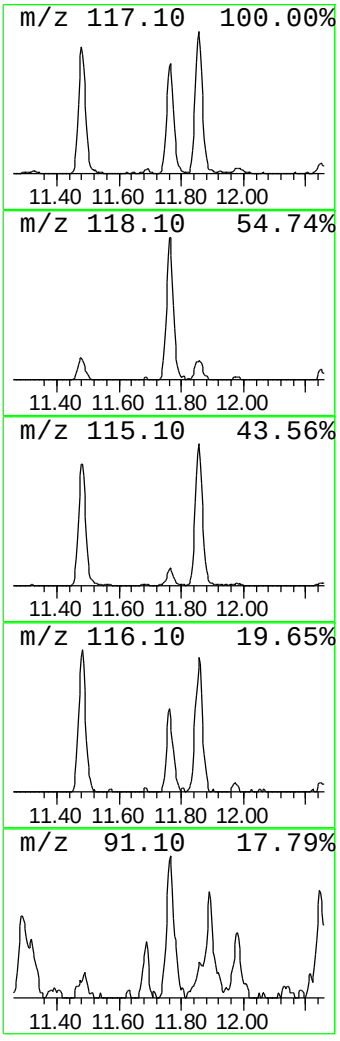
****

Peak Number 8 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.18 ug/L	118359	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





Library Search Compound Report

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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

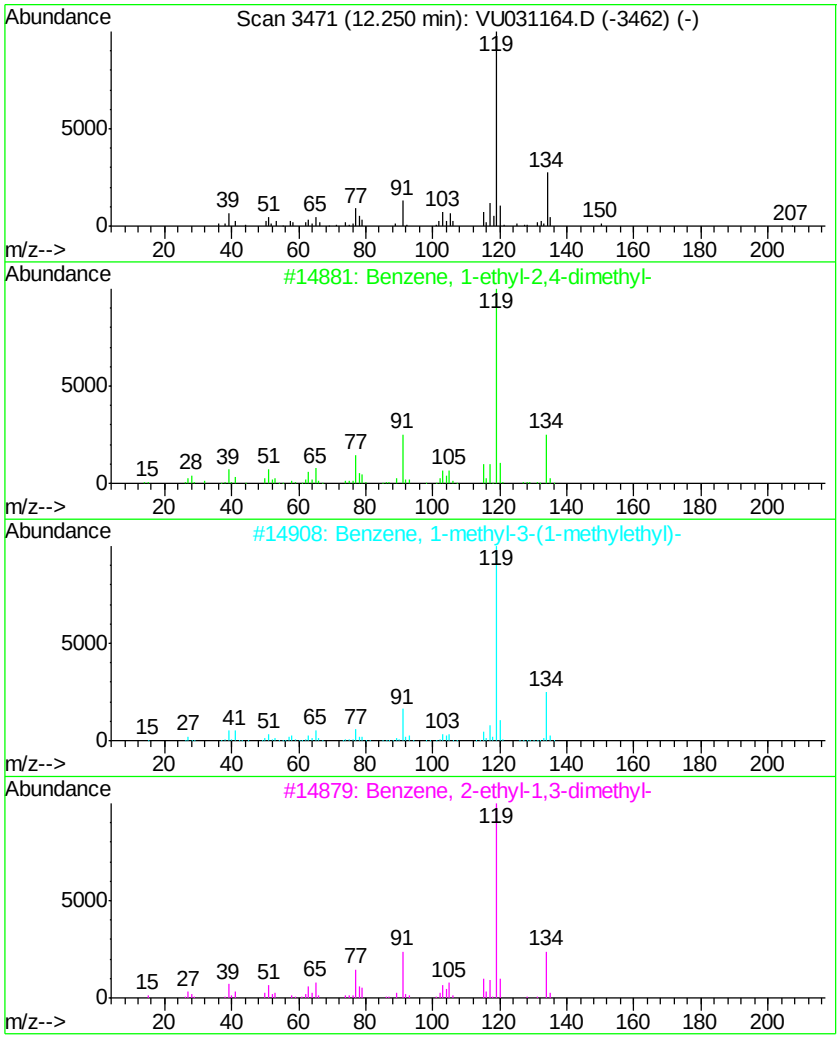
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

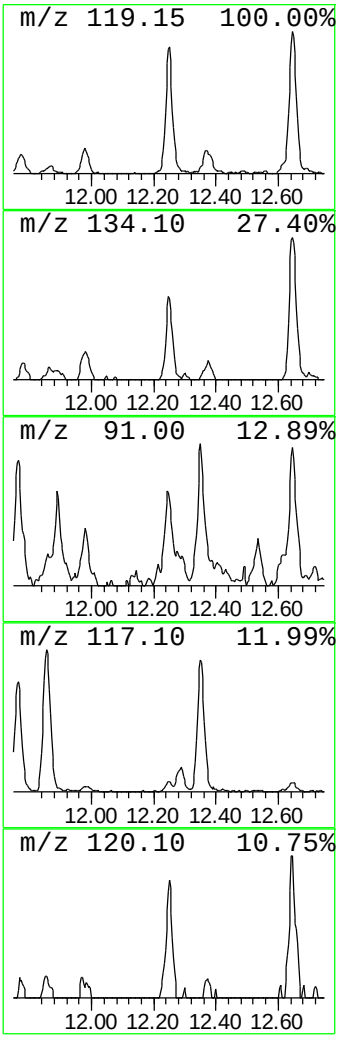
****

Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.66 ug/L	60746	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Library Search Compound Report

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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

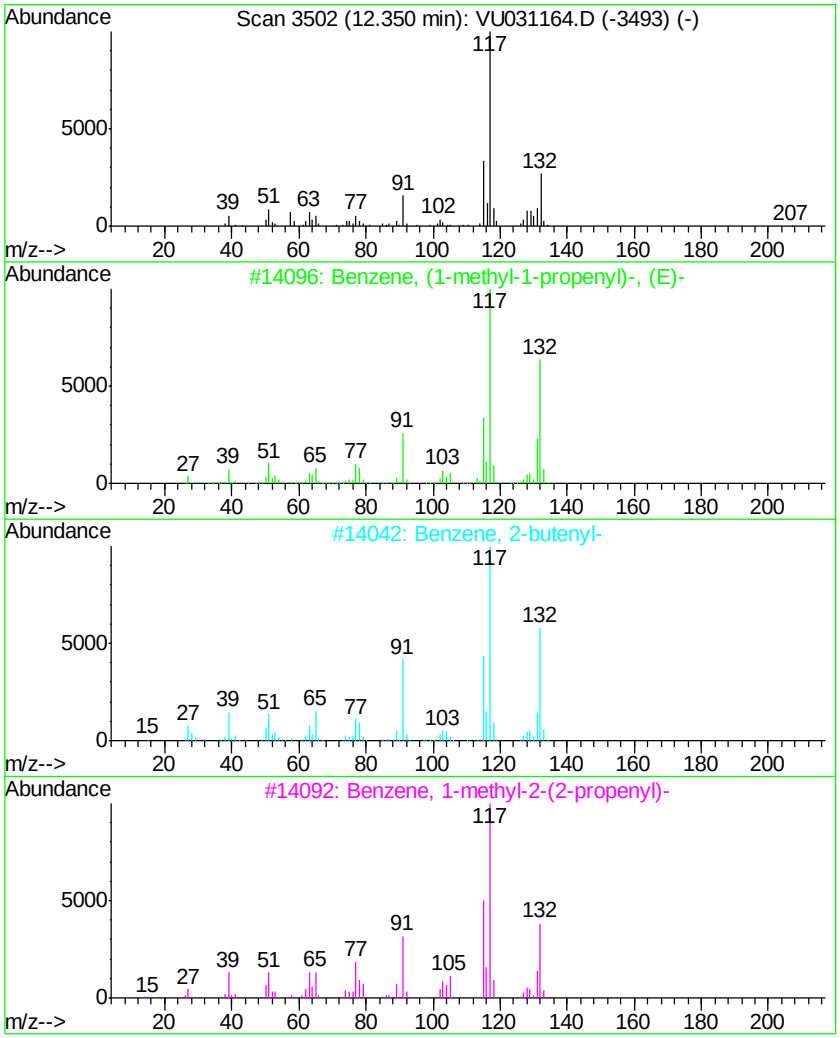
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

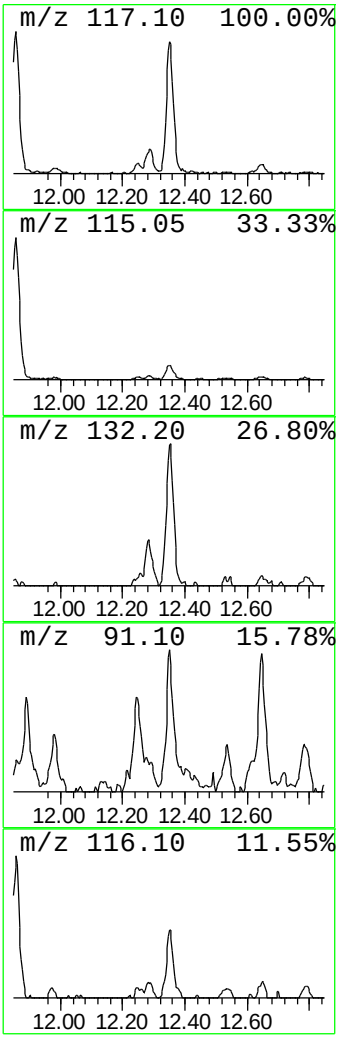
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.84 ug/L	133301	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

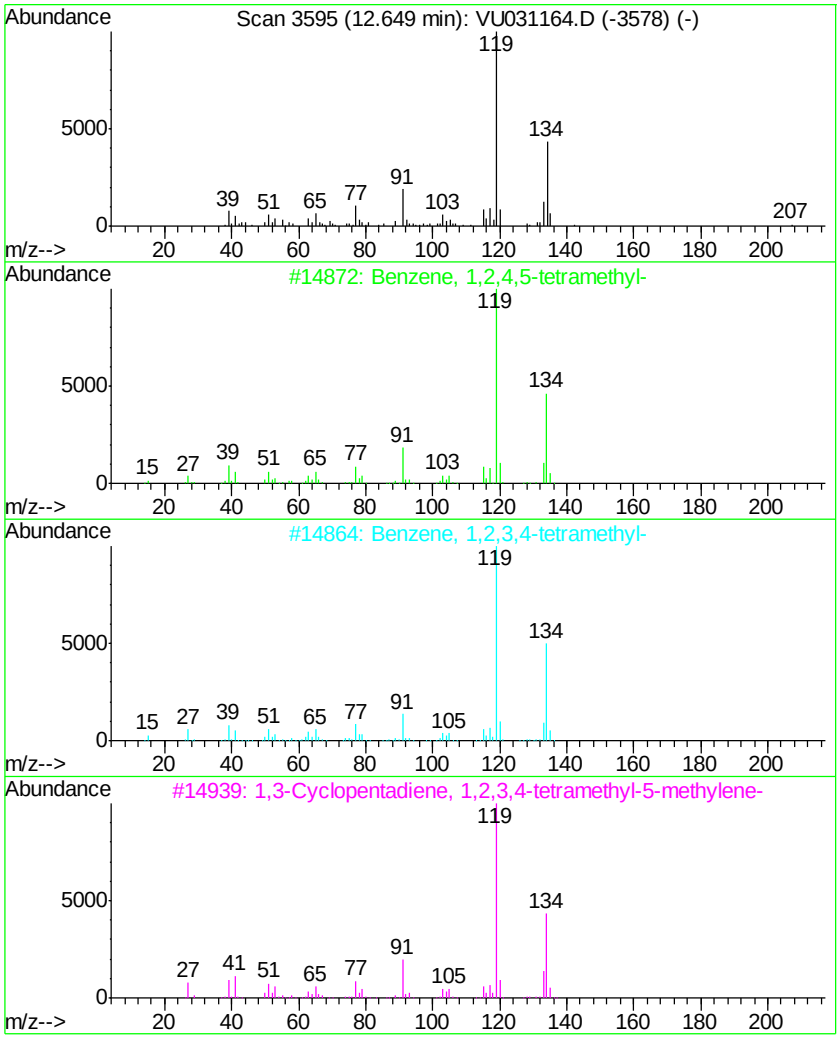
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

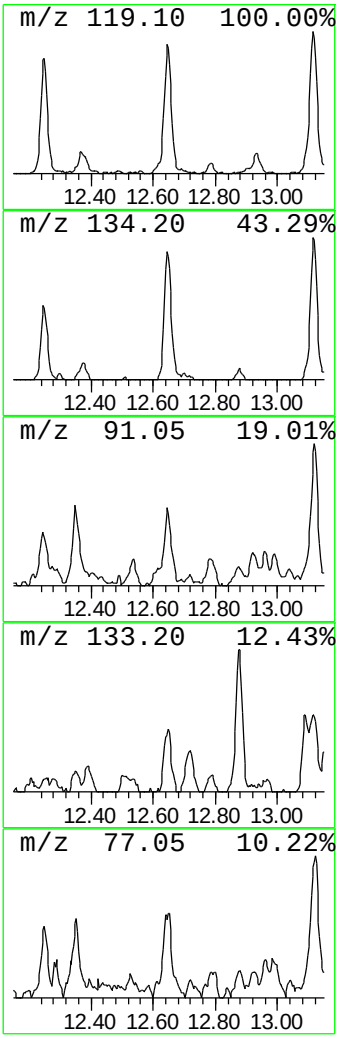
****

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.32 ug/L	121453	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	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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

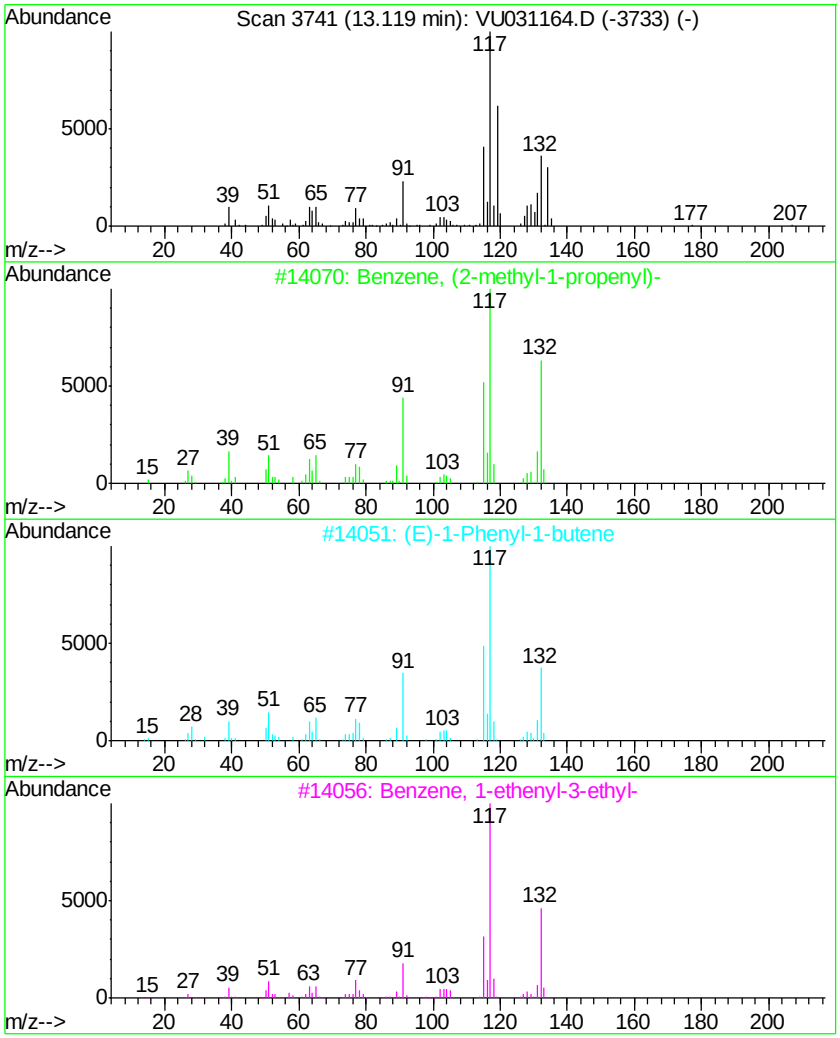
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

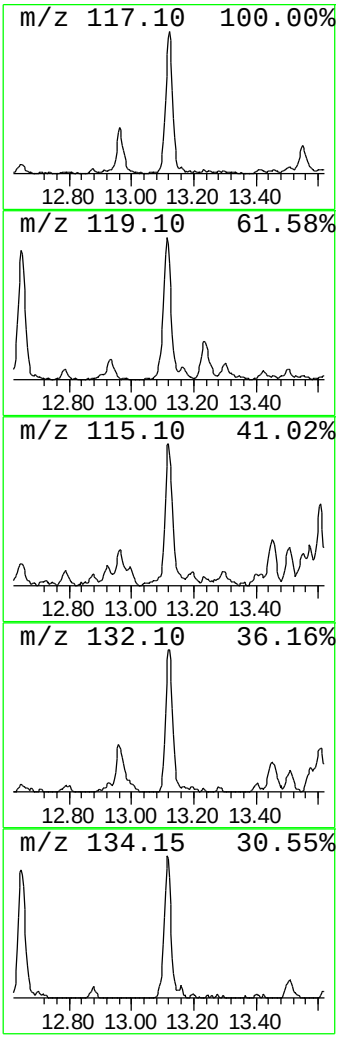
****

Peak Number 12 Benzene, (2-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	8.47 ug/L	193356	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	70
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	58





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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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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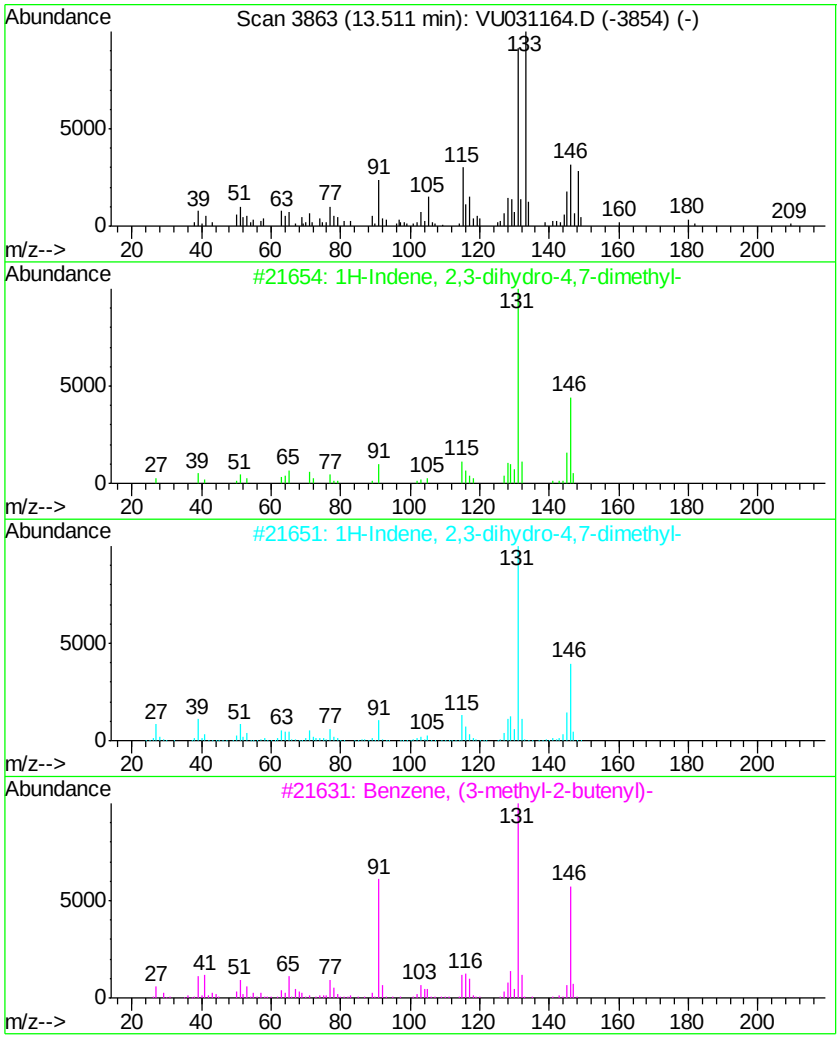
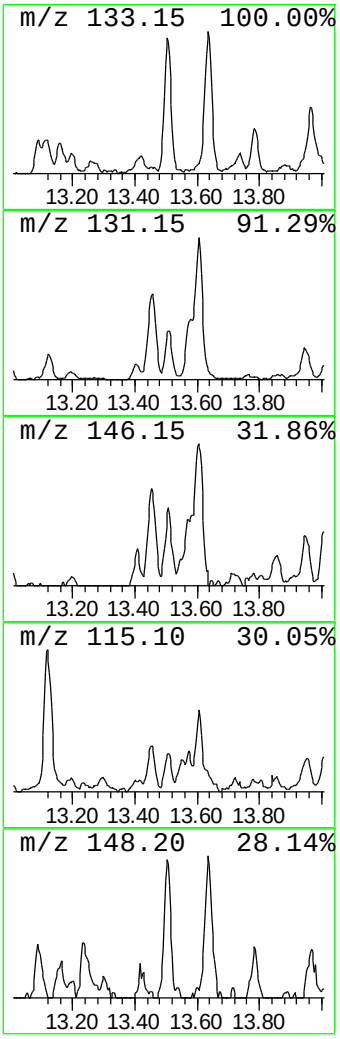
Peak Number 14 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	3.70 ug/L	84394	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55





Library Search Compound Report

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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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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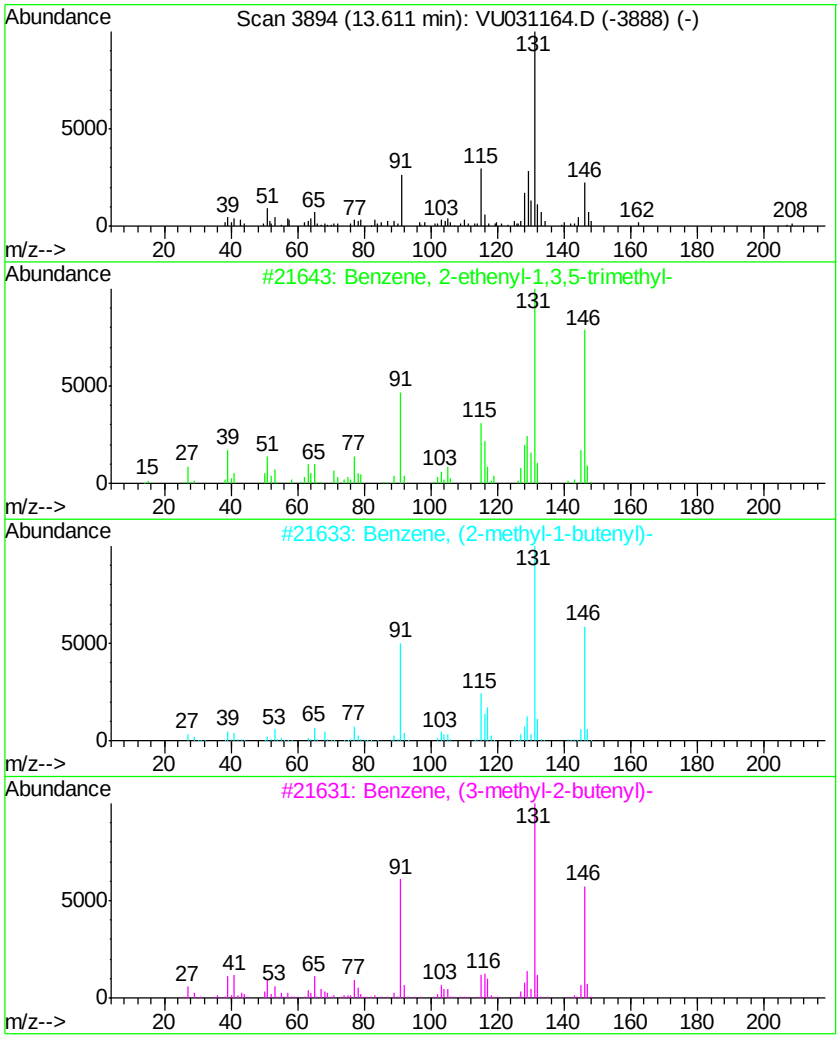
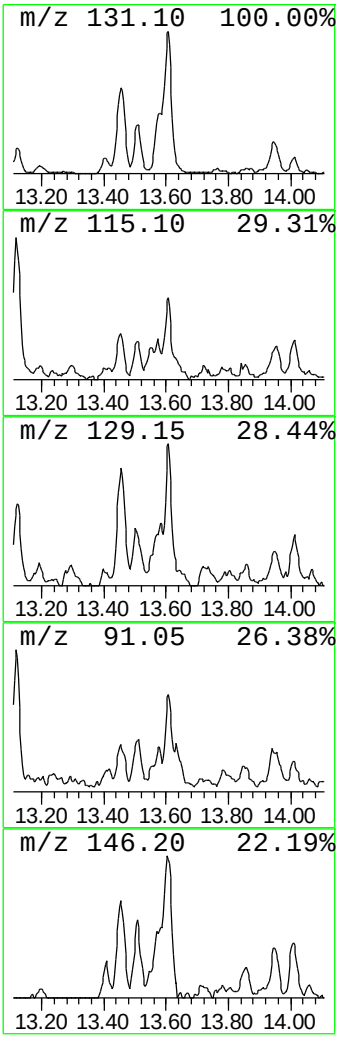
Peak Number 15 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	8.50 ug/L	194125	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	78
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	72
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	59
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	53
5	Benzene, (3-chloro-1-methyl-1-pr...	166	C10H11Cl	1000327-43-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041319\
Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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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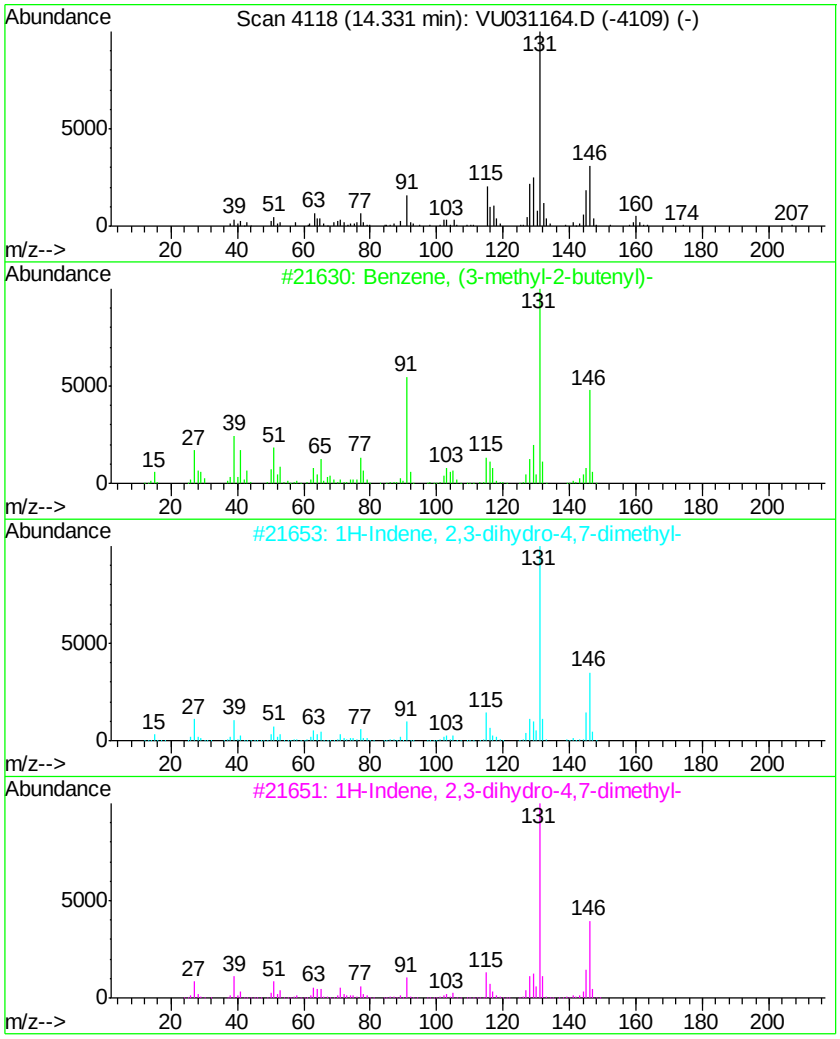
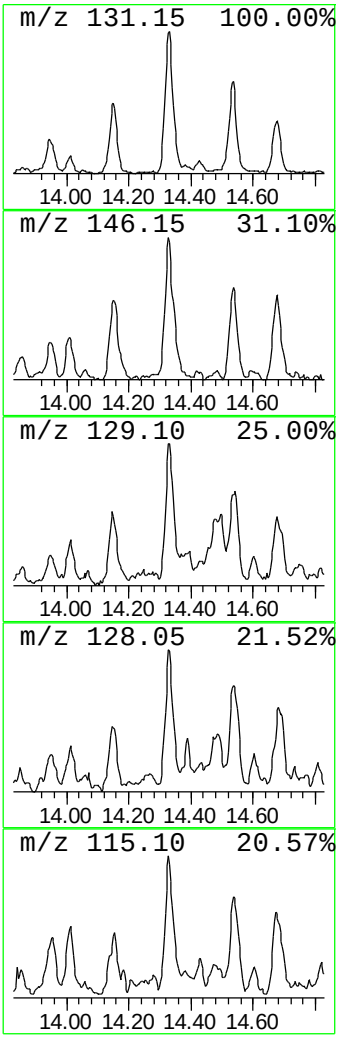
Peak Number 17 Benzene, (3-methyl-2-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	7.83 ug/L	178755	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	87
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76





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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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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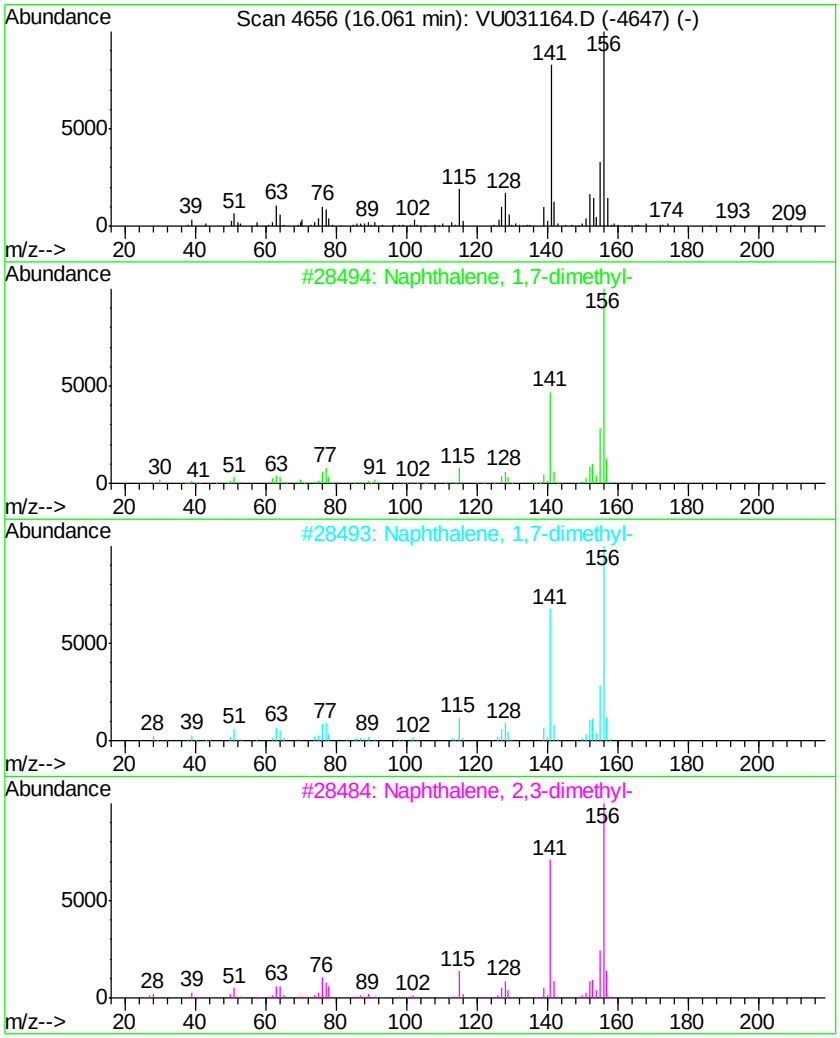
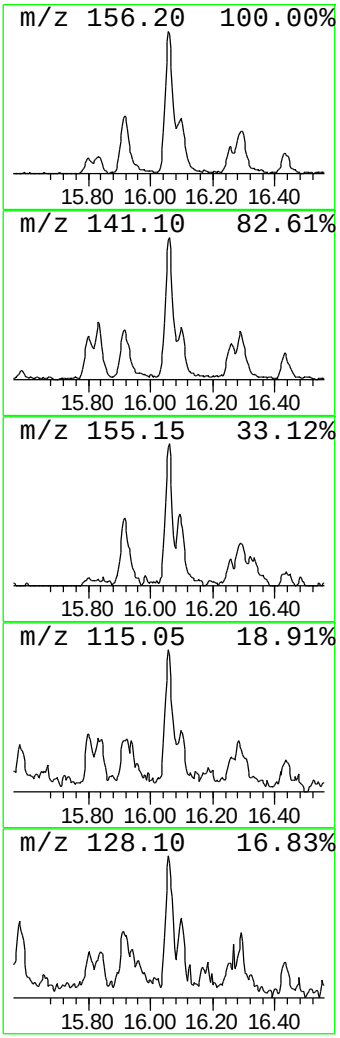
Peak Number 21 Naphthalene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	6.31 ug/L	144067	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Tentatively Identified Compound (LSC) summary

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Data File : VU031164.D
Acq On : 13 Apr 2019 18:13
Operator : JC/SP
Sample : K2353-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETJ62

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
Isopropyl Alcohol	2.44	6.2	ug/L	133505	1	5.88	1078810	50.0
(DEL) Alkane: Str...	2.99	2.6	ug/L	55638	1	5.88	1078810	50.0
(DEL) Alkane: Cyc...	4.09	10.6	ug/L	228159	1	5.88	1078810	50.0
(DEL) Alkane: Cyc...	5.47	4.0	ug/L	85502	1	5.88	1078810	50.0
(DEL) Alkane: Cyc...	5.62	7.3	ug/L	157949	1	5.88	1078810	50.0
(DEL) Alkane: Cyc...	7.91	2.6	ug/L	68294	2	9.09	1316460	50.0
Indane	11.76	5.2	ug/L	118359	3	11.48	1141400	50.0
Benzene, 1-ethyl-...	12.25	2.7	ug/L	60746	3	11.48	1141400	50.0
Benzene, (1-methy...	12.35	5.8	ug/L	133301	3	11.48	1141400	50.0
Benzene, 1,2,4,5-...	12.65	5.3	ug/L	121453	3	11.48	1141400	50.0
Benzene, (2-methy...	13.12	8.5	ug/L	193356	3	11.48	1141400	50.0
1H-Indene, 2,3-di...	13.51	3.7	ug/L	84394	3	11.48	1141400	50.0
Benzene, 2-etheny...	13.61	8.5	ug/L	194125	3	11.48	1141400	50.0
Benzene, (3-methy...	14.33	7.8	ug/L	178755	3	11.48	1141400	50.0
Naphthalene, 1,7-...	16.06	6.3	ug/L	144067	3	11.48	1141400	50.0