LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

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\SOMULM091919WMA.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	22	27	35	rBV	12304	13101	0.35%	0.026%
2	1.392	84	94	106	rBV	375307	458802	12.09%	0.902%
3	1.450	107	112	114	rBV2	8861	8084	0.21%	0.016%
4	1.540	135	140	149	rVB2	33972	41259	1.09%	0.081%
5	1.672	173	181	195	rVB	282548	355489	9.37%	0.699%
6	2.174	331	337	345	rVB4	16349	24254	0.64%	0.048%
7	2.257	351	363	374	rBV	503481	792475	20.88%	1.558%
8	2.305	374	378	394	rVB	40813	64173	1.69%	0.126%
9	2.611	463	473	476	rBV8	4882	7953	0.21%	0.016%
10	2.685	487	496	507	rVV2	18364	34364	0.91%	0.068%
11	2.974	574	586	597	rBV2	5763	12471	0.33%	0.025%
12	3.421	714	725	728	rBV10	4351	7486	0.20%	0.015%
13	3.537	748	761	763	rBV9	5409	7926	0.21%	0.016%
14	4.151	939	952	984	rBV	225329	661827	17.44%	1.301%
15	4.624	1081	1099	1119	rBV	367506	899298	23.70%	1.768%
16	5.315	1289	1314	1350	rBV2	778655	2423968	63.88%	4.765%
17	5.527	1362	1380	1394	rBV2	99303	224157	5.91%	0.441%
18	5.865	1471	1485	1500	rBV	605132	1207303	31.82%	2.373%
19	6.167	1569	1579	1595	rVB6	31584	73401	1.93%	0.144%
20	6.308	1608	1623	1641	rBV	531970	1090204	28.73%	2.143%
21	6.402	1643	1652	1665	rVB6	18853	47228	1.24%	0.093%
22	6.566	1694	1703	1705	rBV	15785	21437	0.56%	0.042%
23	6.681	1726	1739	1764	rBV	2085669	3794481	100.00%	7.459%
24	7.045	1840	1852	1862	rBV2	20788	39332	1.04%	0.077%
25	7.096	1862	1868	1874	rVB8	5476	7691	0.20%	0.015%
26	7.205	1887	1902	1923	rBV	320979	600427	15.82%	1.180%
27	7.398	1948	1962	1987	rBV	282010	538125	14.18%	1.058%
28	7.543	1991	2007	2019	rBV	1063362	1900350	50.08%	3.736%
29	7.614	2019	2029	2049	rVB	650689	1142574	30.11%	2.246%
30	7.829	2084	2096	2120	rBV2	296810	551018	14.52%	1.083%
31	8.070	2165	2171	2179	rBV4	12030	19196	0.51%	0.038%
32	8.131	2179	2190	2204	rBV	495966	821597	21.65%	1.615%
33	8.209	2204	2214	2220	rBV6	102909	175538	4.63%	0.345%
34	8.289	2230	2239	2261	rBV	875912	1495827	39.42%	2.940%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

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\SOMULM091919WMA.M
Title : VOC Analysis

35	8.395	2262	2272	2299	rVB	753581	1238653	32.64%	2.435%
36	8.511	2300	2308	2320	rVB2	33882	55028	1.45%	0.108%
37	8.710	2356	2370	2374	rBV8	6034	12716	0.34%	0.025%
38	8.884	2408	2424	2452	rBV	1011437	1653978	43.59%	3.251%
39	9.067	2463	2481	2515	rBV	935370	1659272	43.73%	3.262%
40	9.228	2521	2531	2550	rVB	245821	404208	10.65%	0.795%
41	9.350	2553	2569	2601	rVB	1237302	2056734	54.20%	4.043%
42	9.585	2635	2642	2651	rBV	21412	32744	0.86%	0.064%
43	9.630	2653	2656	2663	rVB8	7919	8588	0.23%	0.017%
44	9.755	2670	2695	2721	rBV	1233925	2057491	54.22%	4.044%
45	9.913	2734	2744	2749	rBV6	9971	15605	0.41%	0.031%
46	10.025	2773	2779	2793	rVB8	14654	25751	0.68%	0.051%
47	10.144	2806	2816	2827	rBV2	61371	97711	2.58%	0.192%
48	10.408	2886	2898	2915	rBV	691027	1124610	29.64%	2.211%
49	10.565	2936	2947	2962	rVV	86104	139072	3.67%	0.273%
50	10.659	2963	2976	2994	rVV	731867	1512507	39.86%	2.973%
51	10.749	2994	3004	3025	rVV	639484	992639	26.16%	1.951%
52	10.900	3045	3051	3056	rBV6	7207	11545	0.30%	0.023%
53	10.948	3056	3066	3086	rVB	539030	865705	22.81%	1.702%
54	11.125	3109	3121	3137	rVV	1743052	2662315	70.16%	5.233%
55	11.263	3156	3164	3169	rVV4	15317	21946	0.58%	0.043%
56	11.299	3170	3175	3186	rVB2	22075	34247	0.90%	0.067%
57	11.405	3194	3208	3215	rBV	91298	156436	4.12%	0.308%
58	11.459	3215	3225	3241	rVV	938519	1545187	40.72%	3.037%
59	11.546	3241	3252	3273	rVB	954754	1474422	38.86%	2.898%
60	11.662	3282	3288	3301	rVB2	17747	29874	0.79%	0.059%
61	11.742	3301	3313	3322	rBV	460888	836336	22.04%	1.644%
62	11.784	3322	3326	3333	rVV	142833	203427	5.36%	0.400%
63	11.839	3333	3343	3366	rVB4	1187423	2473464	65.19%	4.862%
64	11.958	3372	3380	3391	rVB4	33869	56199	1.48%	0.110%
65	12.032	3393	3403	3413	rVV2	92900	143262	3.78%	0.282%
66	12.122	3422	3431	3436	rBV	192932	294850	7.77%	0.580%
67	12.154	3437	3441	3453	rVB	178980	232105	6.12%	0.456%
68	12.228	3453	3464	3472	rBV	295204	474623	12.51%	0.933%
69	12.331	3486	3496	3519	rBV2	245619	511240	13.47%	1.005%
70	12.472	3529	3540	3546	rBV8	21127	33899	0.89%	0.067%
71	12.530	3546	3558	3571	rVB2	129620	219870	5.79%	0.432%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

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\SOMULM091919WMA.M
Title : VOC Analysis

72	12.626	3571	3588	3596	rBV	225202	361175	9.52%	0.710%
73	12.681	3596	3605	3621	rVB	377777	591650	15.59%	1.163%
74	12.765	3622	3631	3636	rBV3	33749	50678	1.34%	0.100%
75	12.797	3637	3641	3646	rVV3	24668	30140	0.79%	0.059%
76	12.829	3647	3651	3656	rVB	15655	16642	0.44%	0.033%
77	12.942	3678	3686	3701	rVB	202877	315633	8.32%	0.620%
78	13.012	3701	3708	3714	rVB6	15704	23857	0.63%	0.047%
79	13.099	3715	3735	3747	rBV3	648796	1119842	29.51%	2.201%
80	13.218	3765	3772	3778	rBV	20295	30490	0.80%	0.060%
81	13.266	3778	3787	3808	rVB3	119589	214247	5.65%	0.421%
82	13.382	3815	3823	3830	rBV4	34039	54592	1.44%	0.107%
83	13.434	3831	3839	3847	rVV	70289	106223	2.80%	0.209%
84	13.488	3847	3856	3871	rBV6	113360	229510	6.05%	0.451%
85	13.559	3872	3878	3881	rVV	27729	34677	0.91%	0.068%
86	13.585	3881	3886	3894	rVB2	61328	80660	2.13%	0.159%
87	13.720	3910	3928	3940	rBV	697873	1172009	30.89%	2.304%
88	13.832	3953	3963	3980	rVB7	49293	115966	3.06%	0.228%
89	13.925	3981	3992	4006	rVV10	49847	136680	3.60%	0.269%
90	13.990	4008	4012	4022	rVV3	40083	56935	1.50%	0.112%
91	14.131	4046	4056	4074	rBV2	73950	124347	3.28%	0.244%
92	14.314	4103	4113	4130	rBV6	63435	156420	4.12%	0.307%
93	14.456	4149	4157	4168	rBV3	28812	50620	1.33%	0.100%
94	14.520	4168	4177	4190	rVB4	52526	94788	2.50%	0.186%
95	14.588	4191	4198	4205	rBV4	7002	9764	0.26%	0.019%
96	14.655	4209	4219	4232	rVB7	26405	59502	1.57%	0.117%
97	14.803	4255	4265	4271	rBV3	16565	29635	0.78%	0.058%
98	14.858	4271	4282	4299	rVV	162880	302141	7.96%	0.594%
99	15.041	4328	4339	4356	rBV	202229	361478	9.53%	0.711%
100	15.572	4496	4504	4511	rVV	6663	11055	0.29%	0.022%

Sum of corrected areas: 50872431

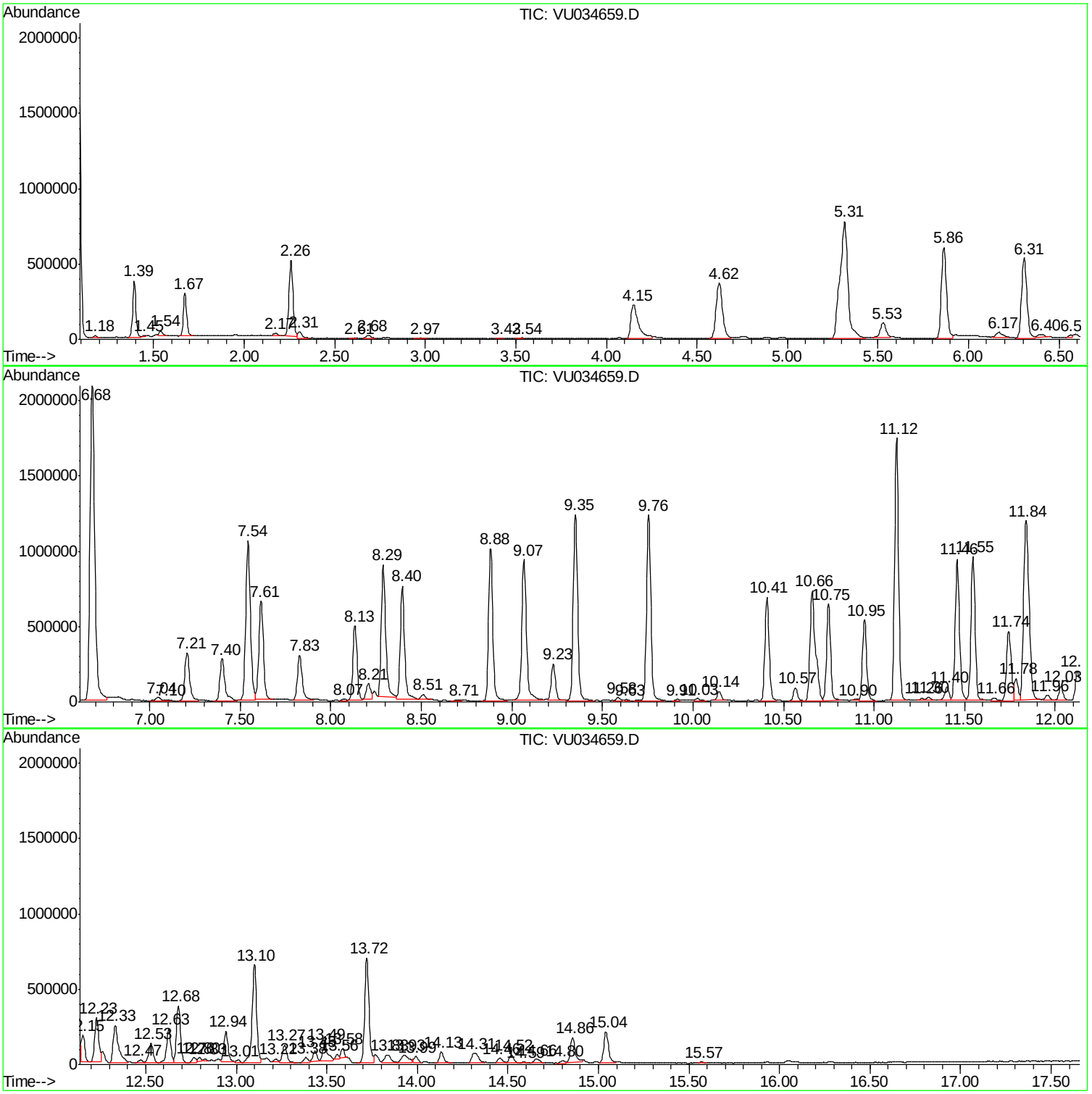
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

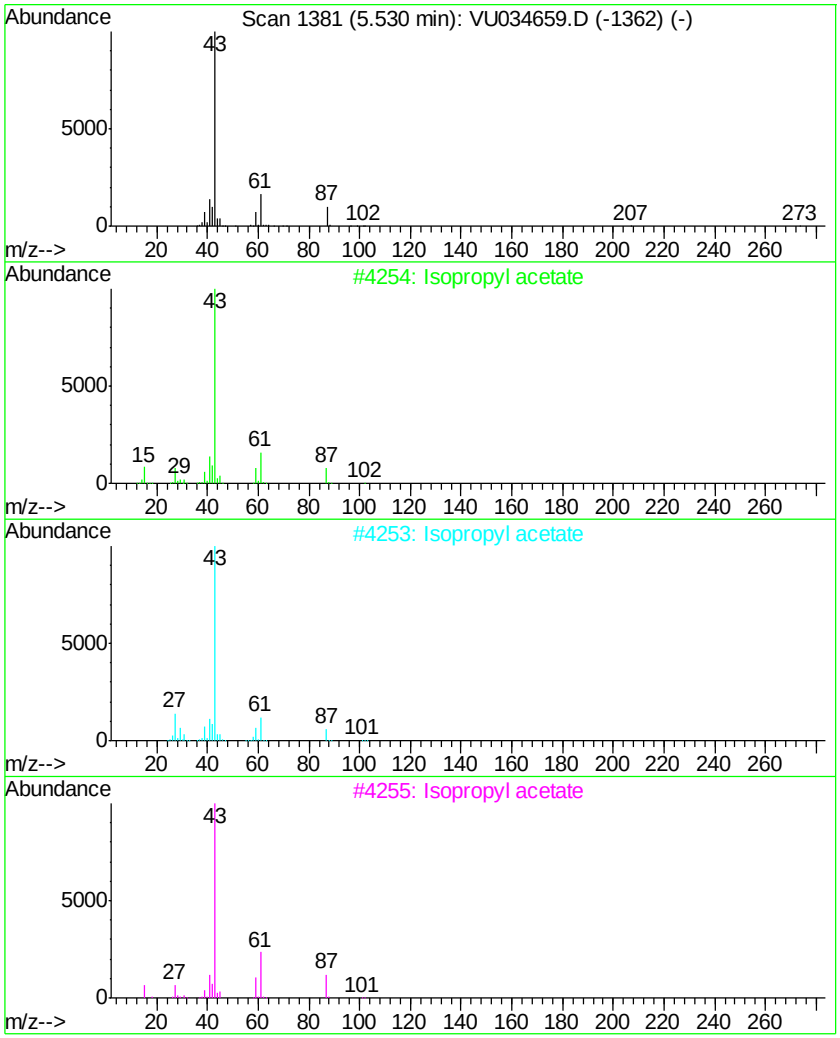
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

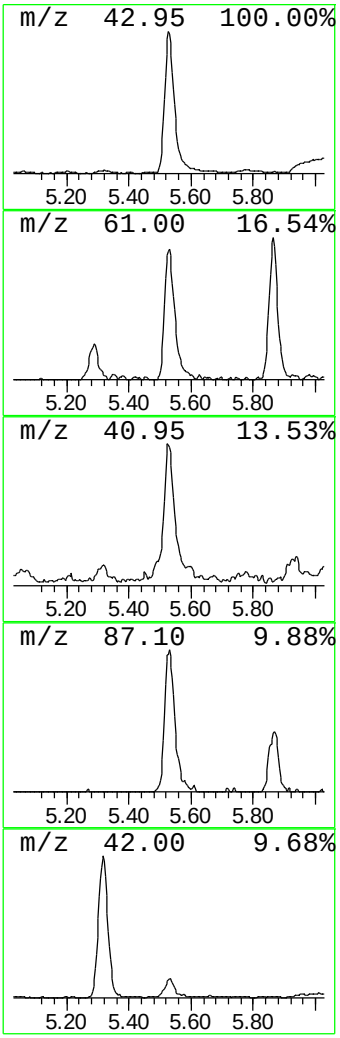
****

Peak Number 1 Isopropyl acetate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	9.28 ug/L	224157	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	59
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	23
5	1-Pentanamine	87	C5H13N	000110-58-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

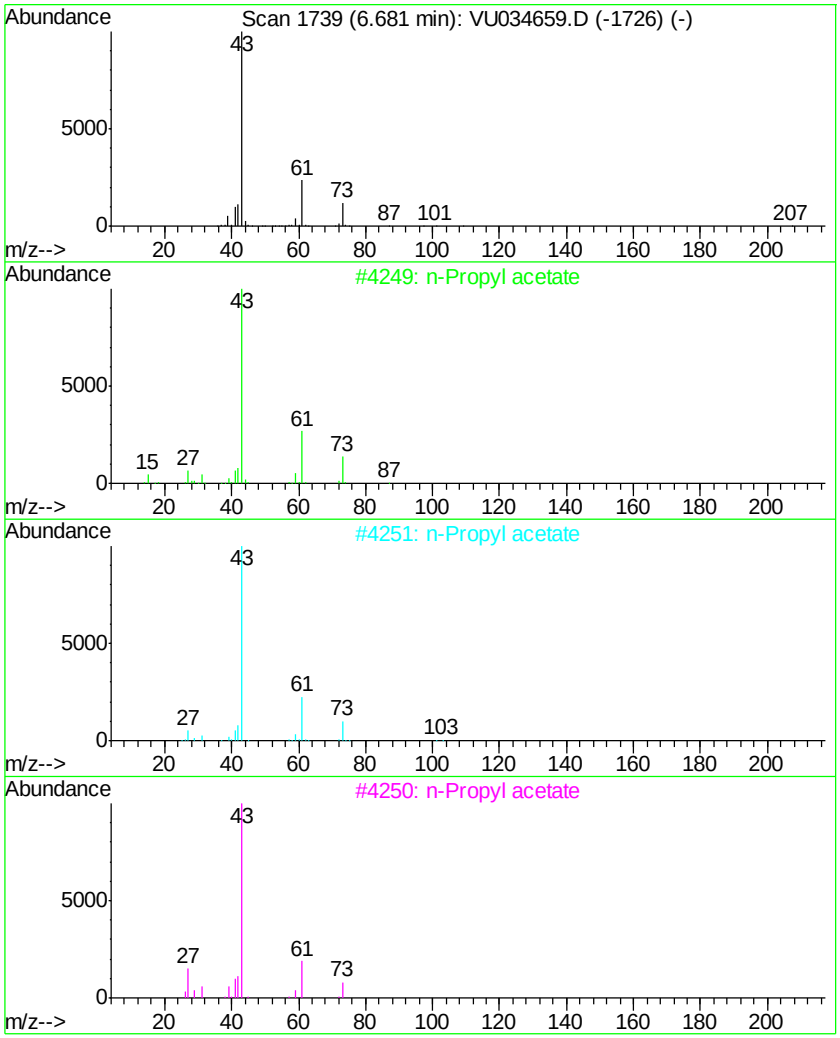
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

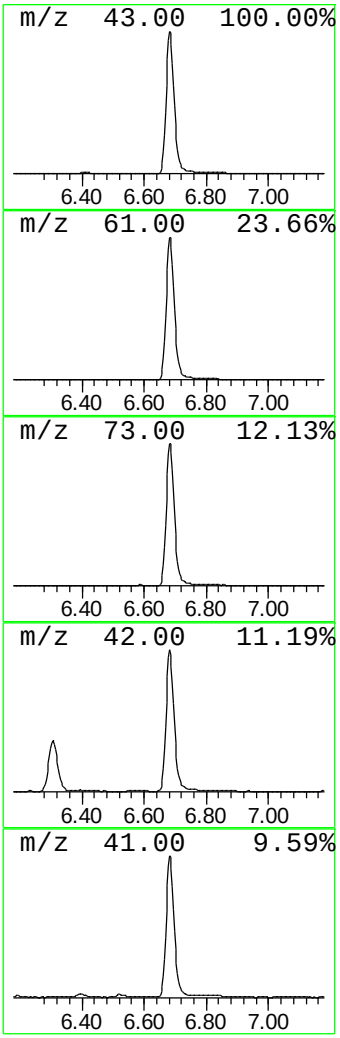
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	157.15 ug/L	3794480	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	78
3	n-Propyl acetate	102	C5H10O2	000109-60-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isobutylamine	73	C4H11N	000078-81-9	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

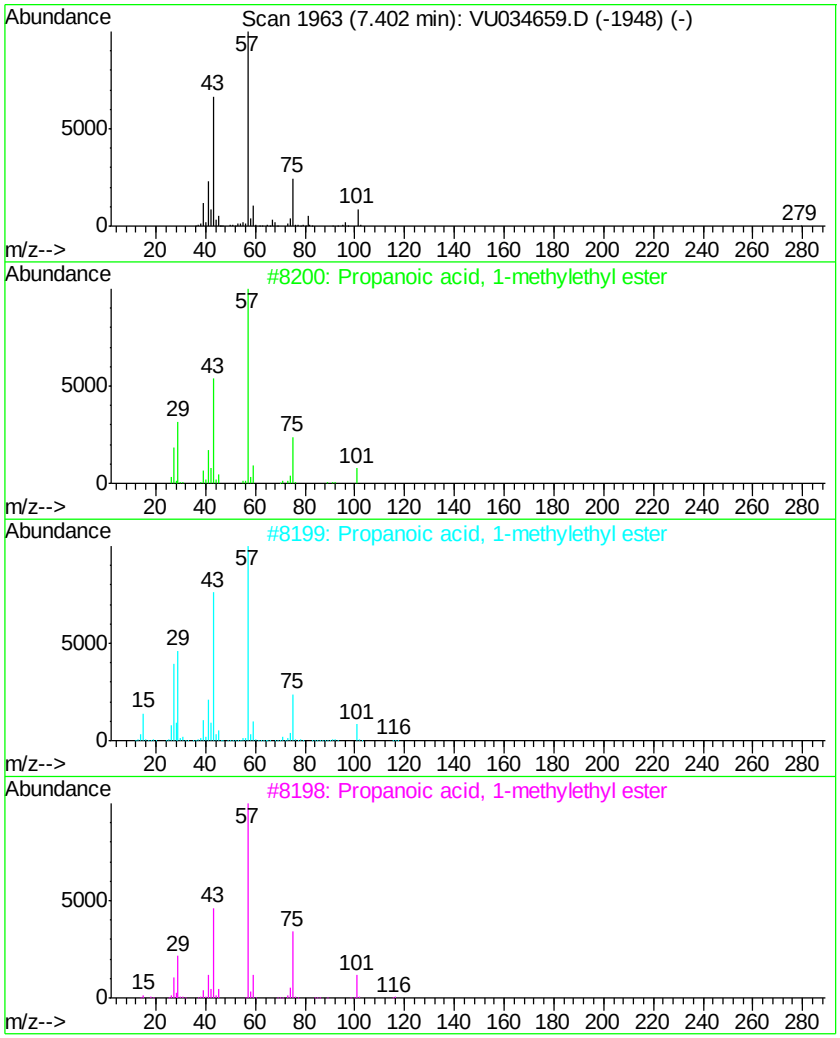
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

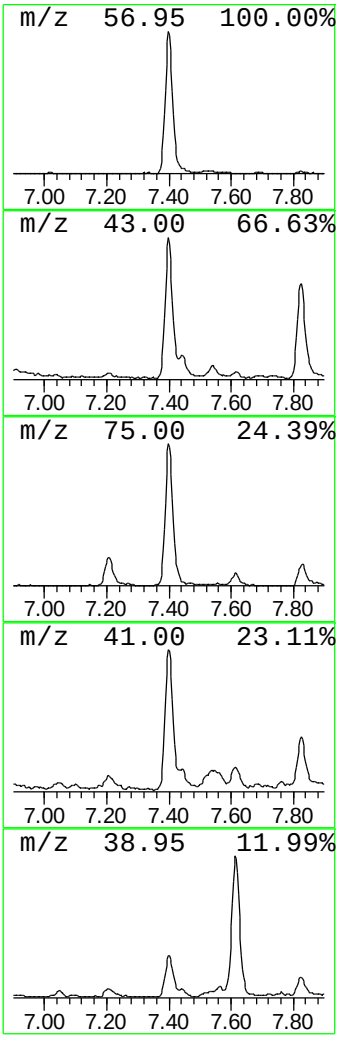
****

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	22.29 ug/L	538125	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	42
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

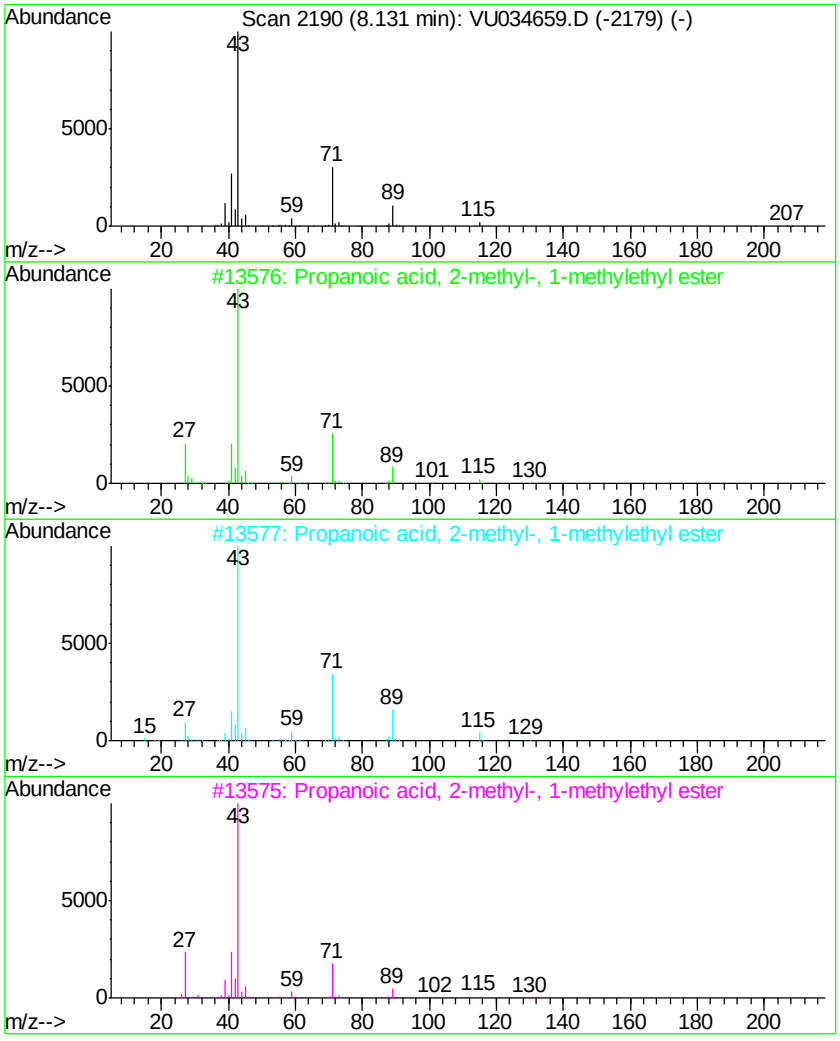
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

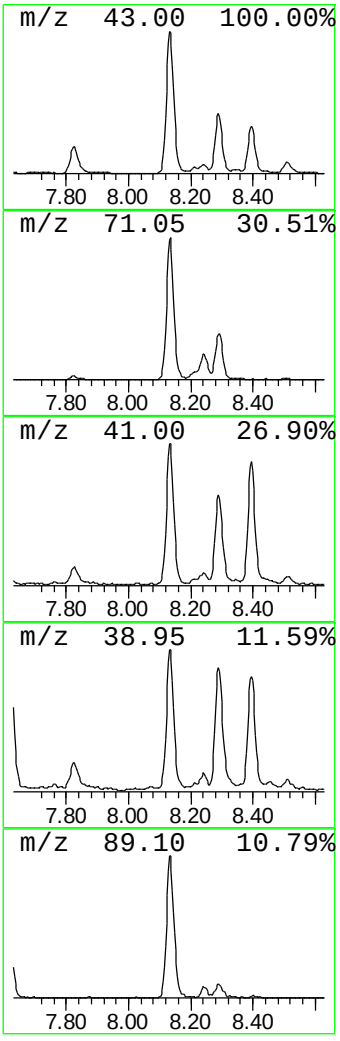
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	24.76 ug/L	821597	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	33
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

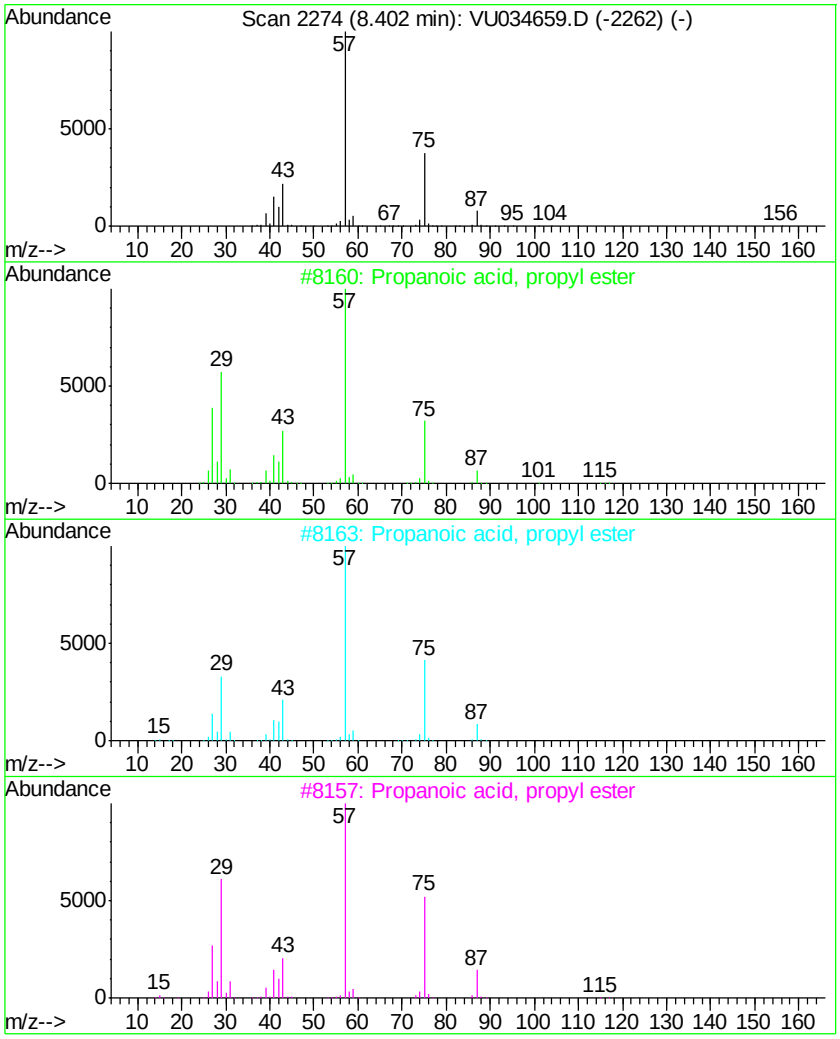
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

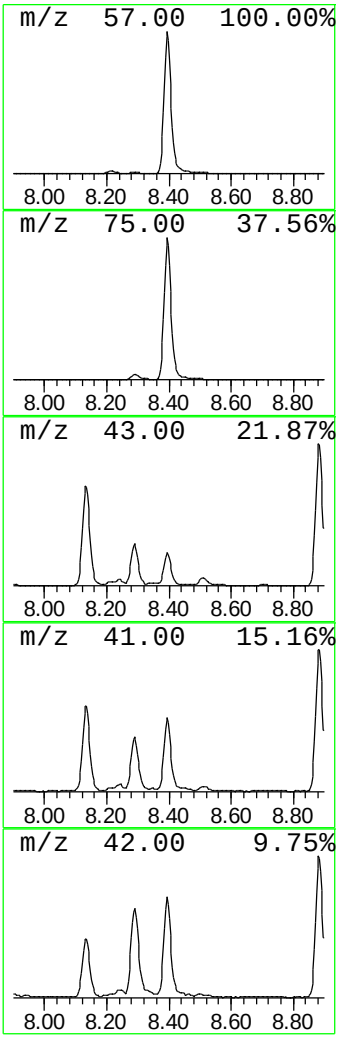
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	37.33 ug/L	1238650	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
5	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

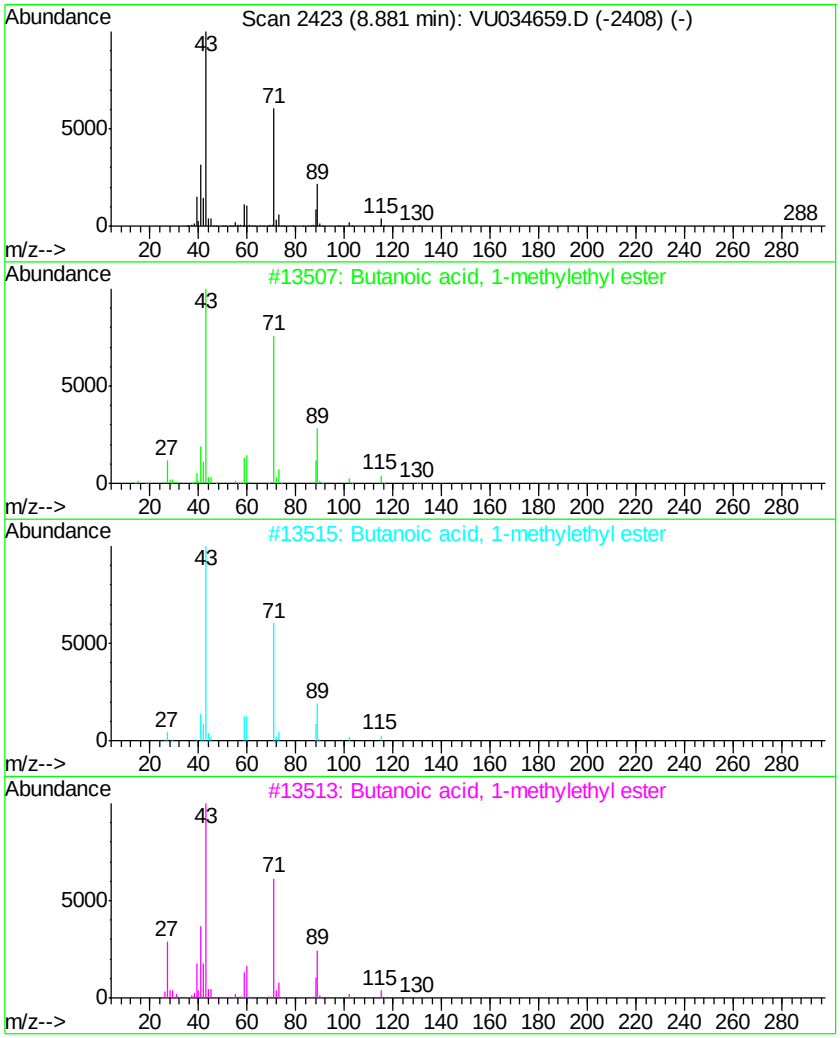
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

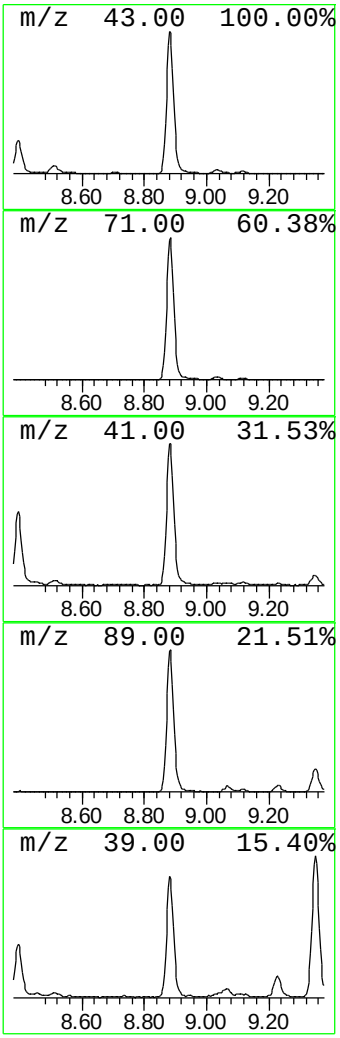
****

Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	49.84 ug/L	1653980	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

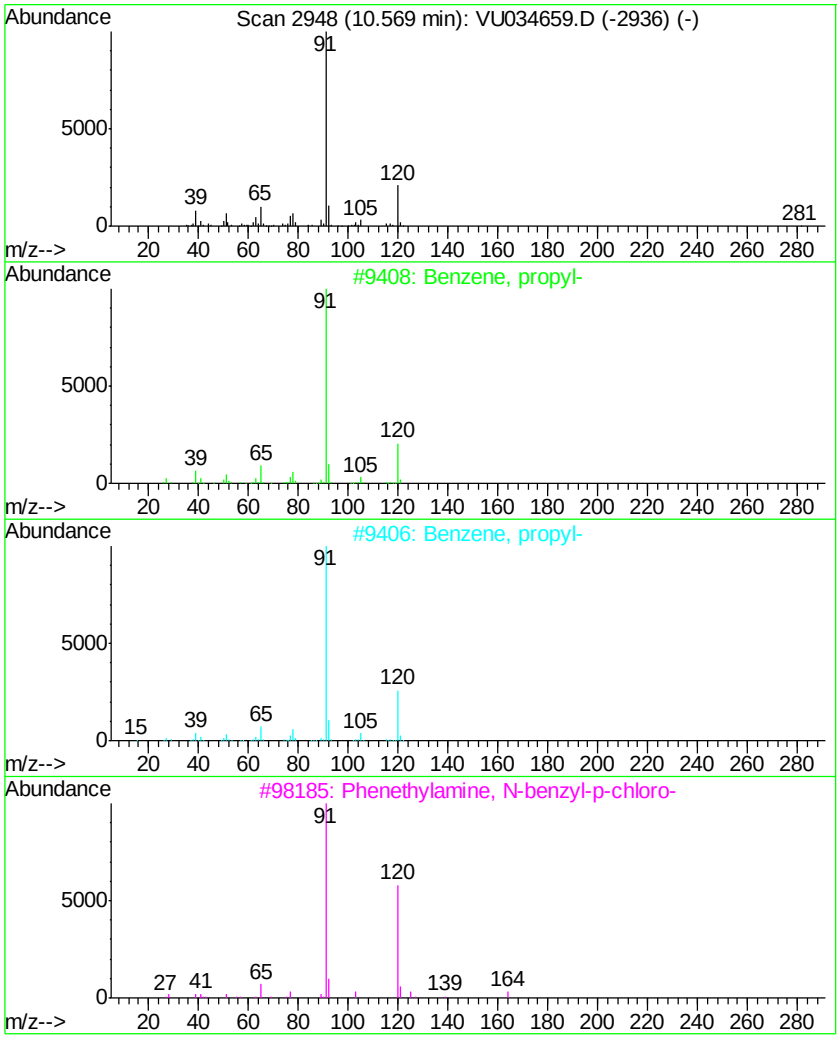
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

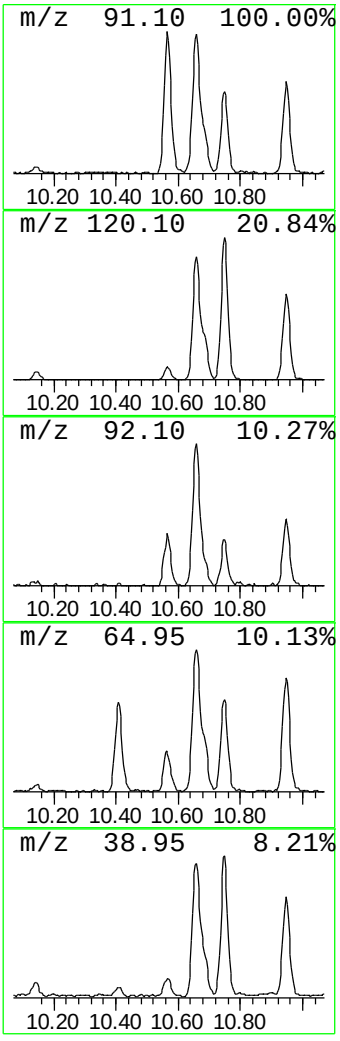
****

Peak Number 8 Benzene, propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.50 ug/L	139072	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	72
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

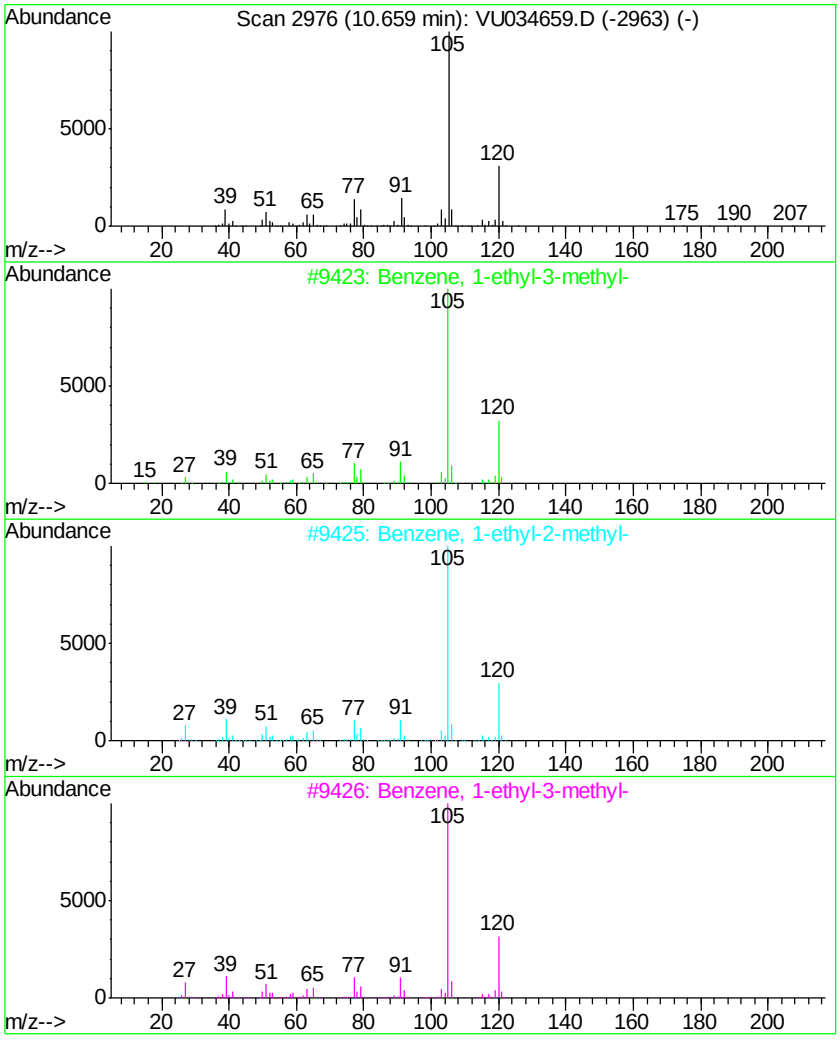
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

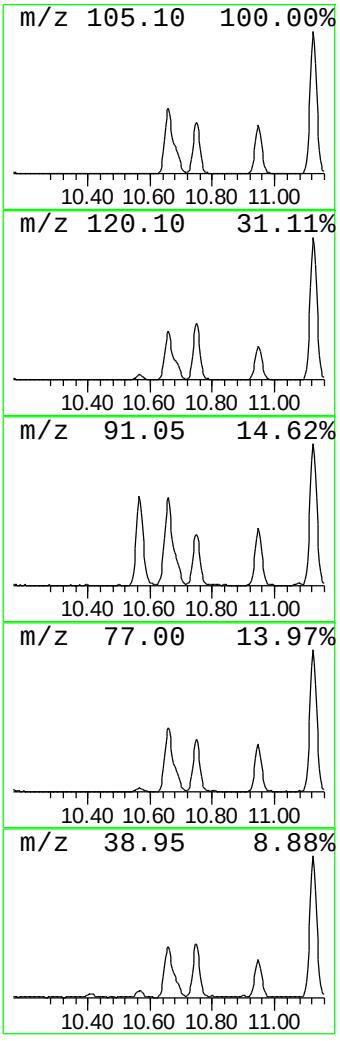
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	48.94 ug/L	1512510	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
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\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

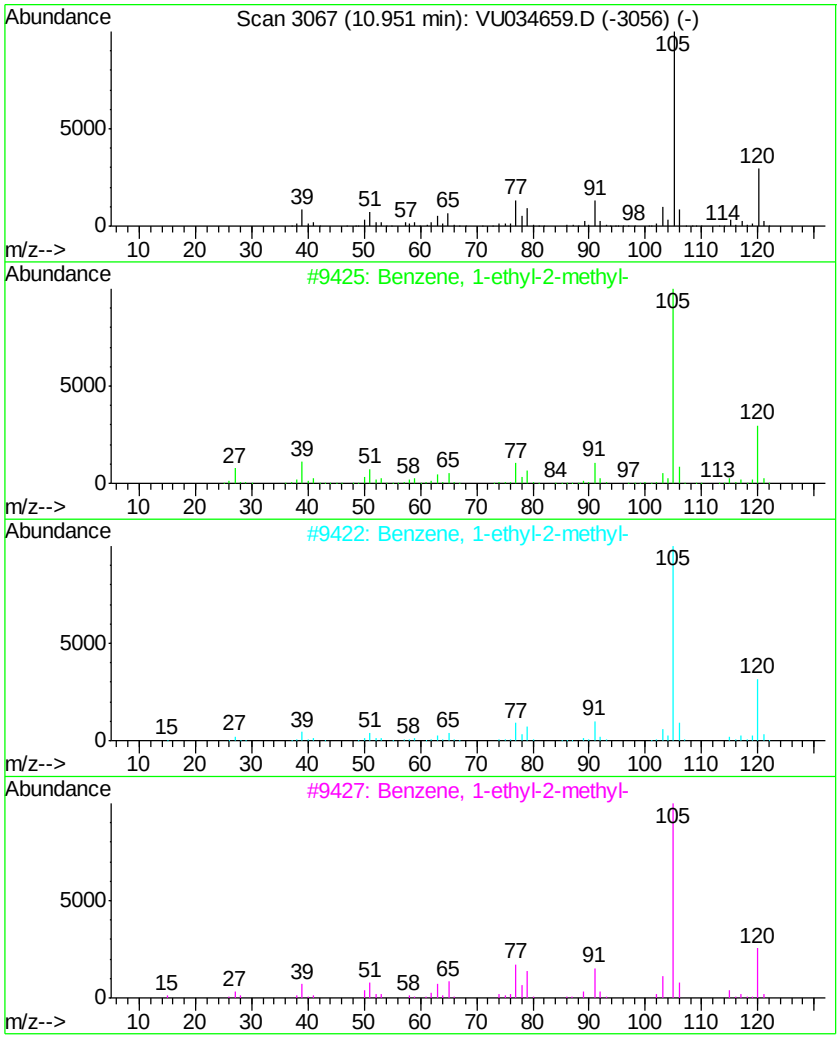
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

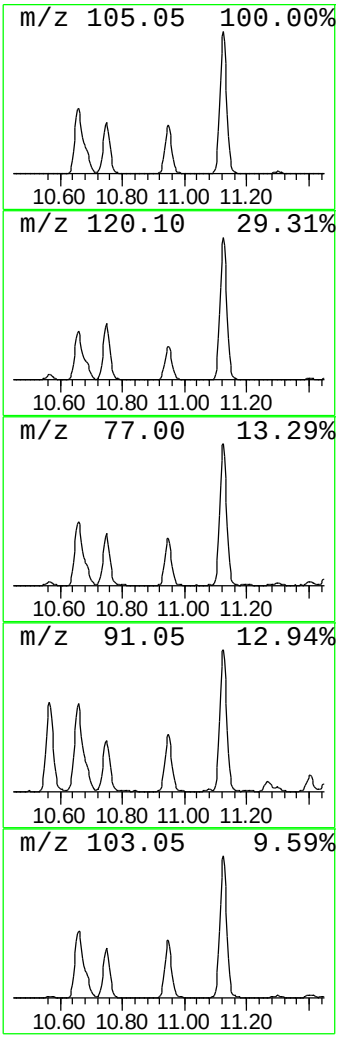
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	28.01 ug/L	865705	1,4-Dichlorobenzene-d4	11.46

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-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

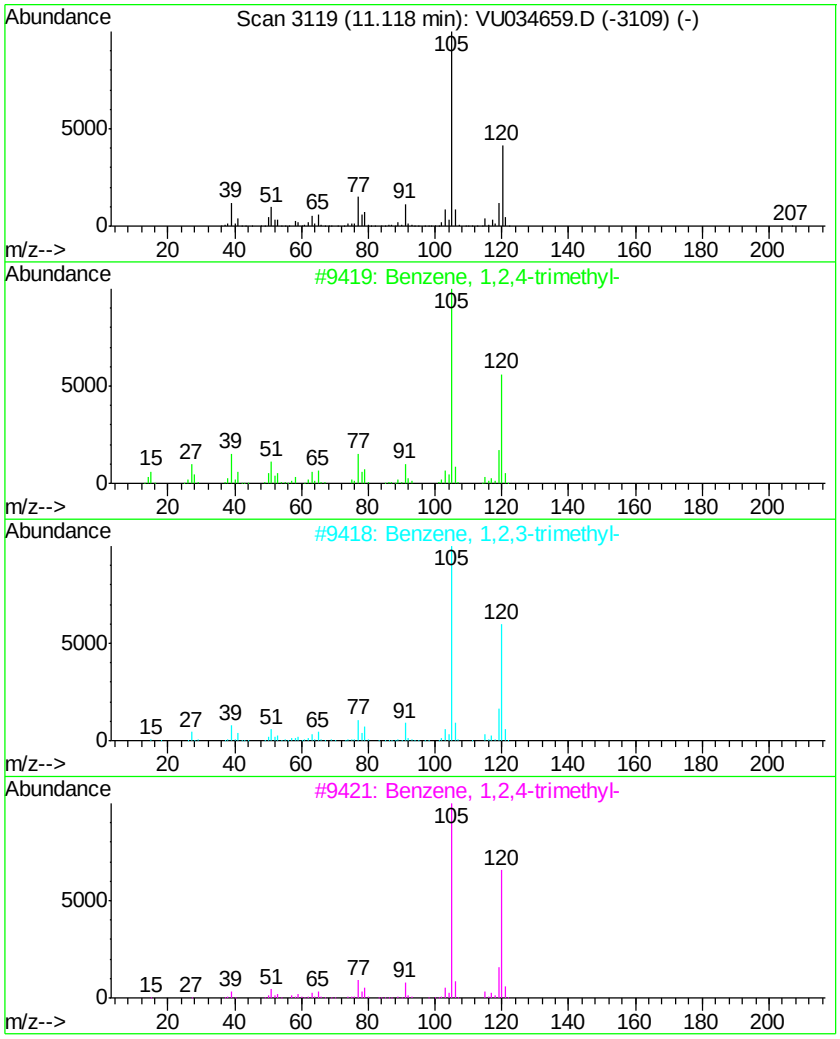
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

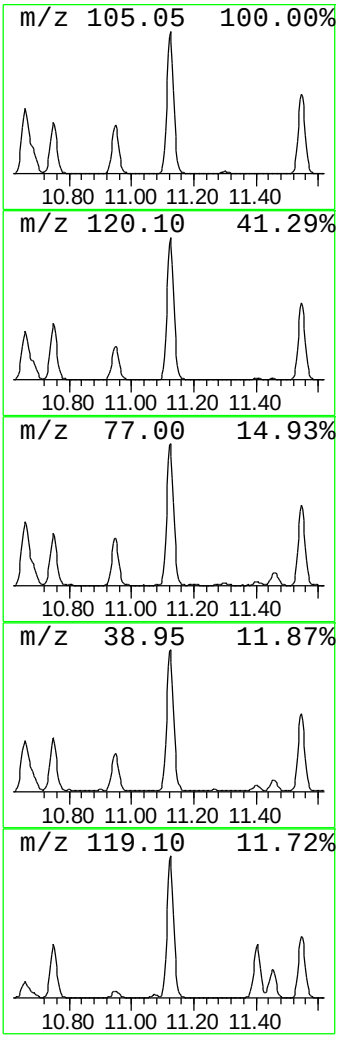
****

Peak Number 12 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	86.15 ug/L	2662320	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

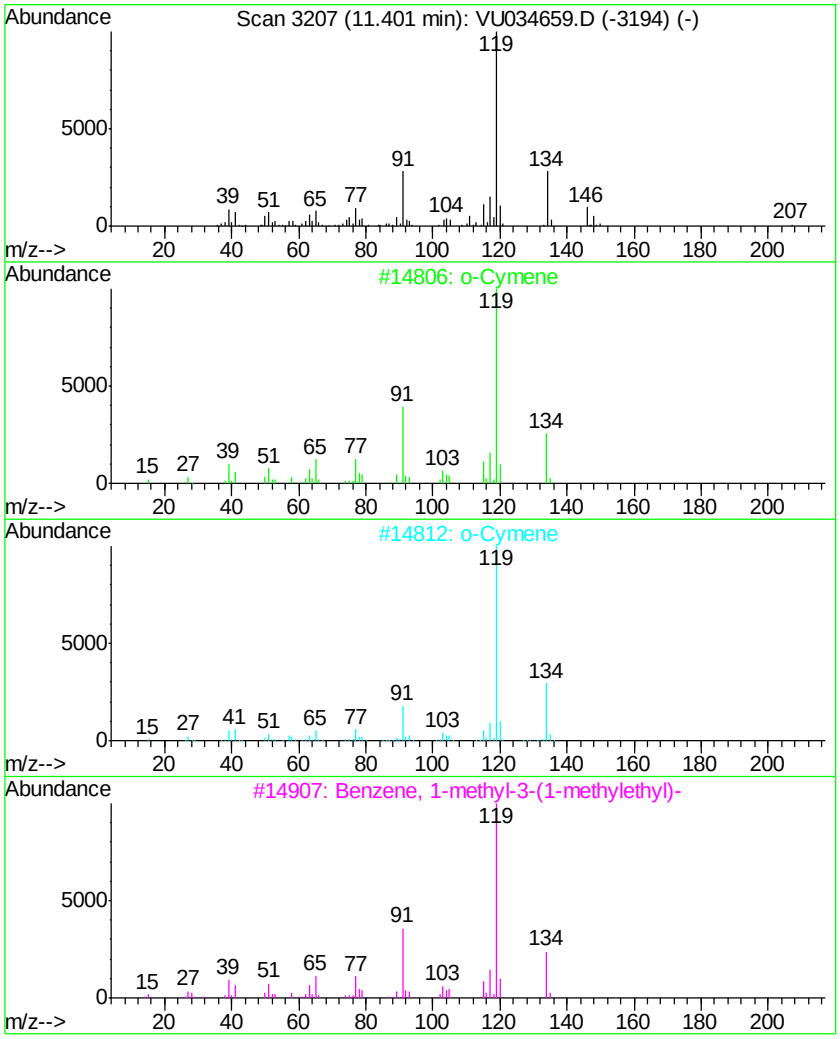
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

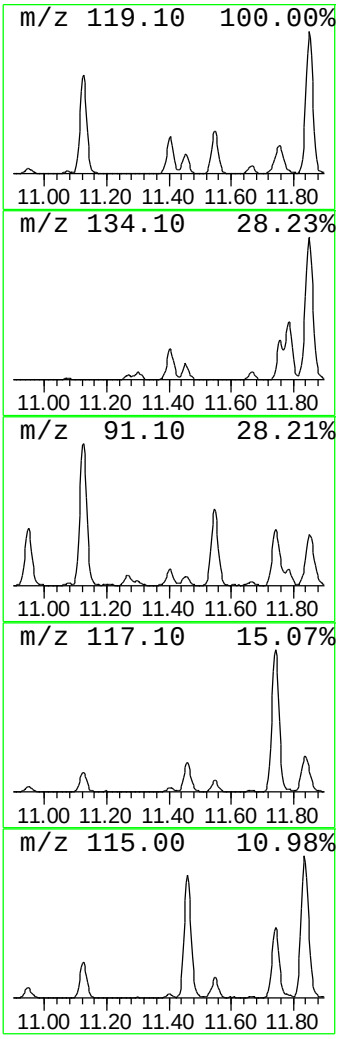
****

Peak Number 13 o-Cymene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.06 ug/L	156436	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	o-Cymene	134	C10H14	000527-84-4	87
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

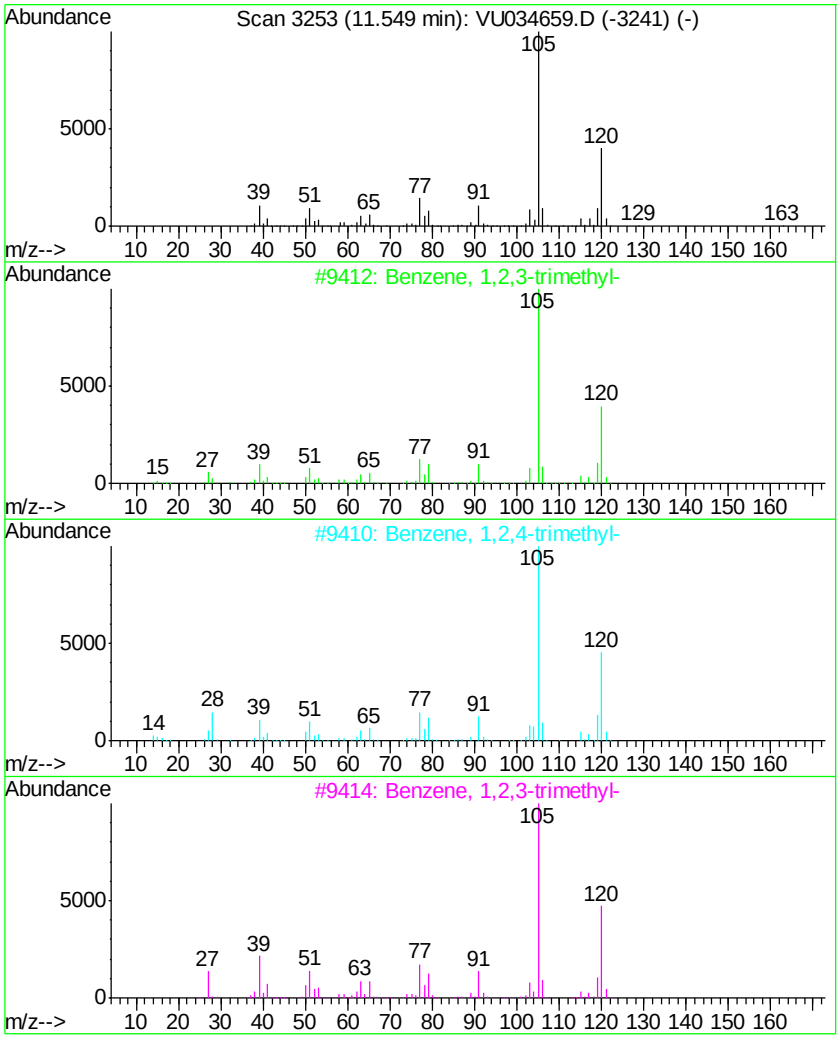
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

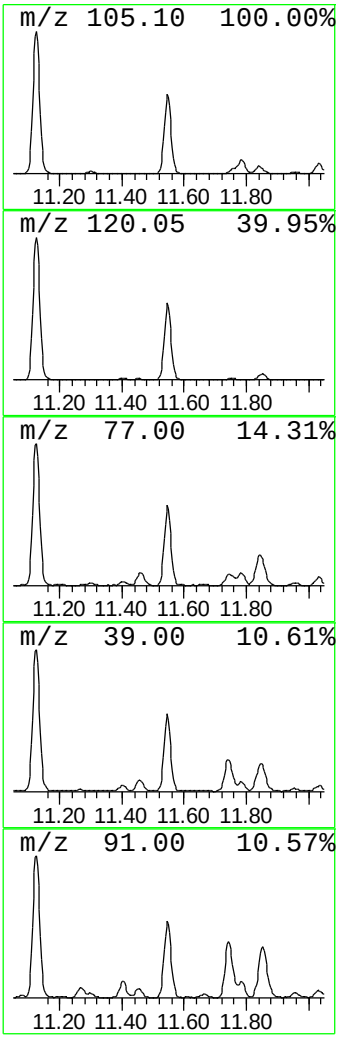
****

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	47.71 ug/L	1474420	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

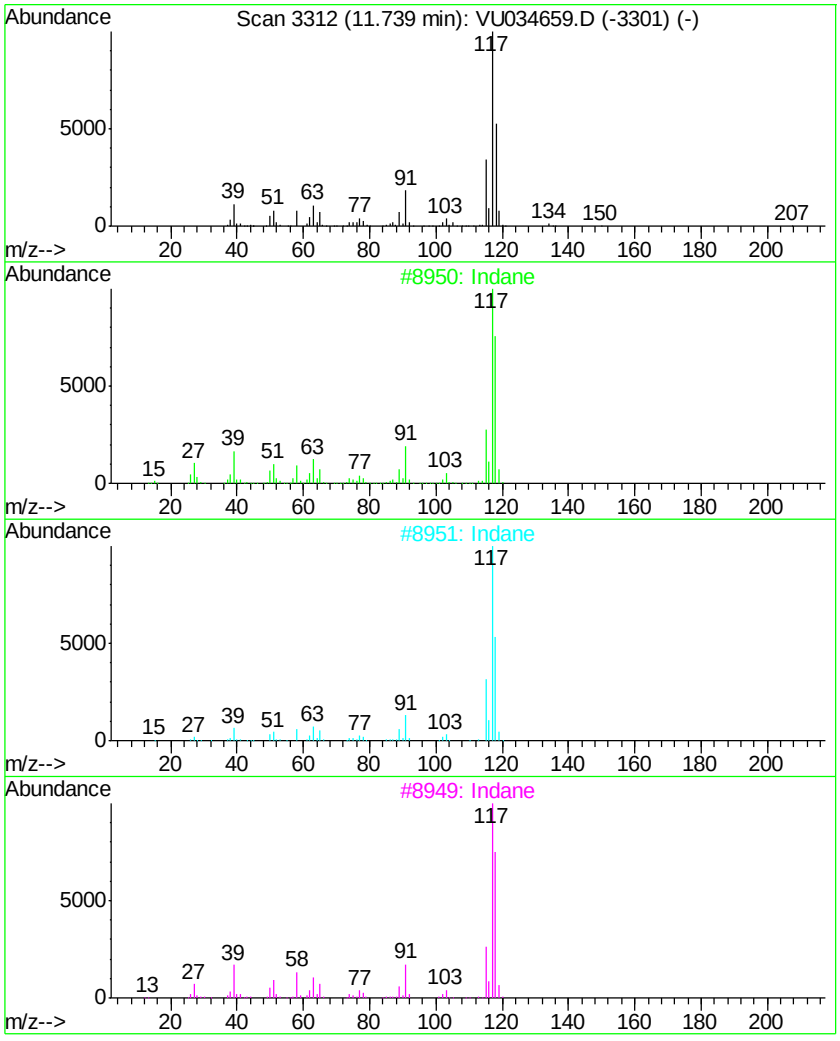
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

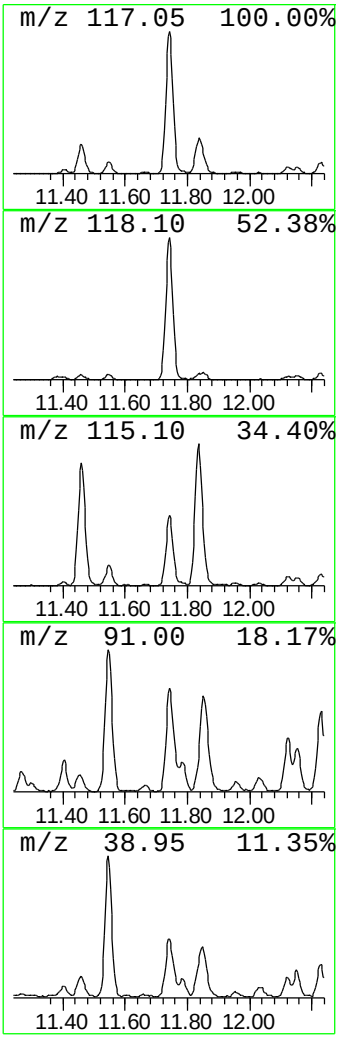
****

Peak Number 15 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	27.06 ug/L	836336	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Indane	118	C9H10	000496-11-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

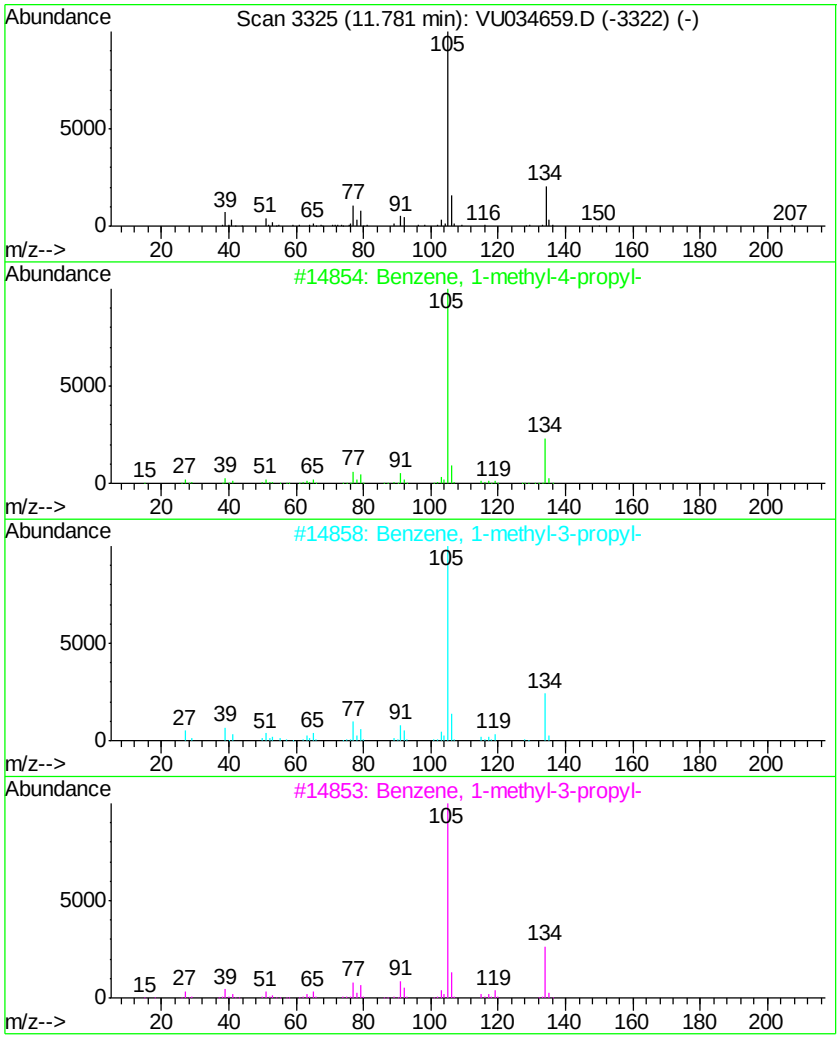
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

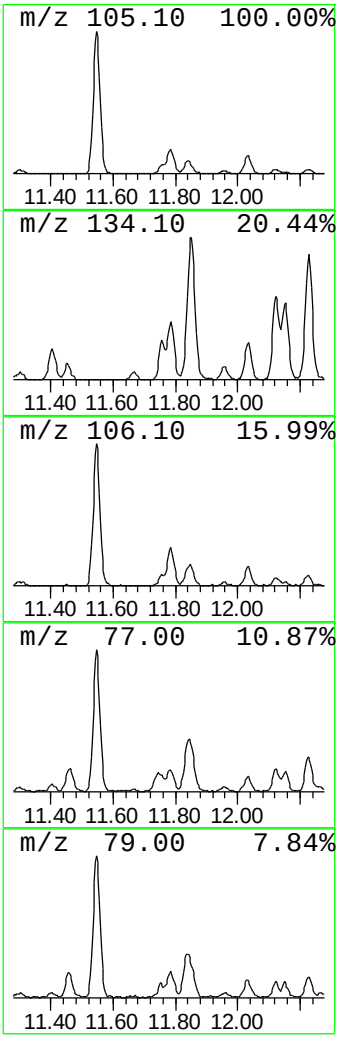
****

Peak Number 16 Benzene, 1-methyl-4-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.58 ug/L	203427	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

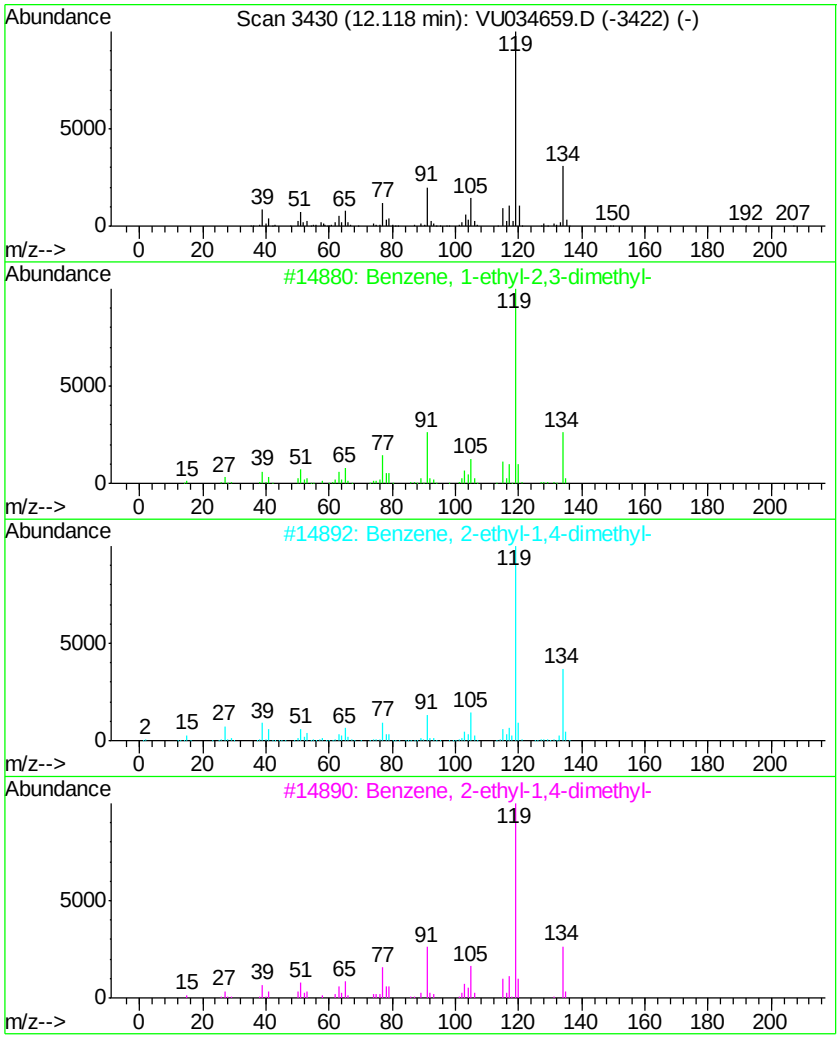
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

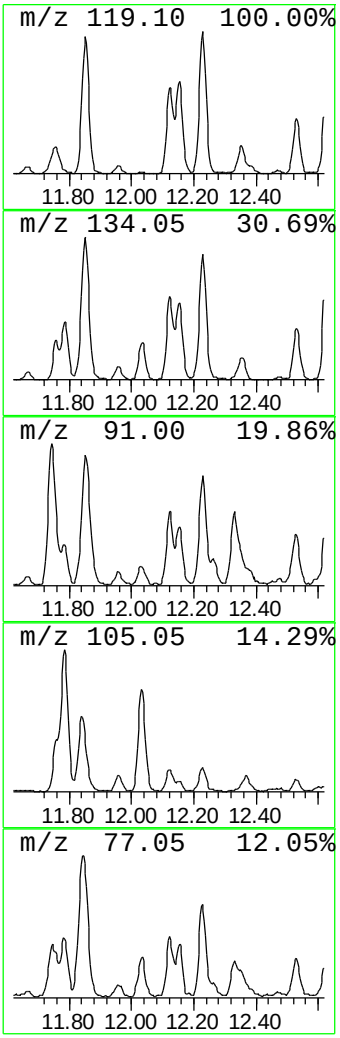
****

Peak Number 18 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.54 ug/L	294850	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

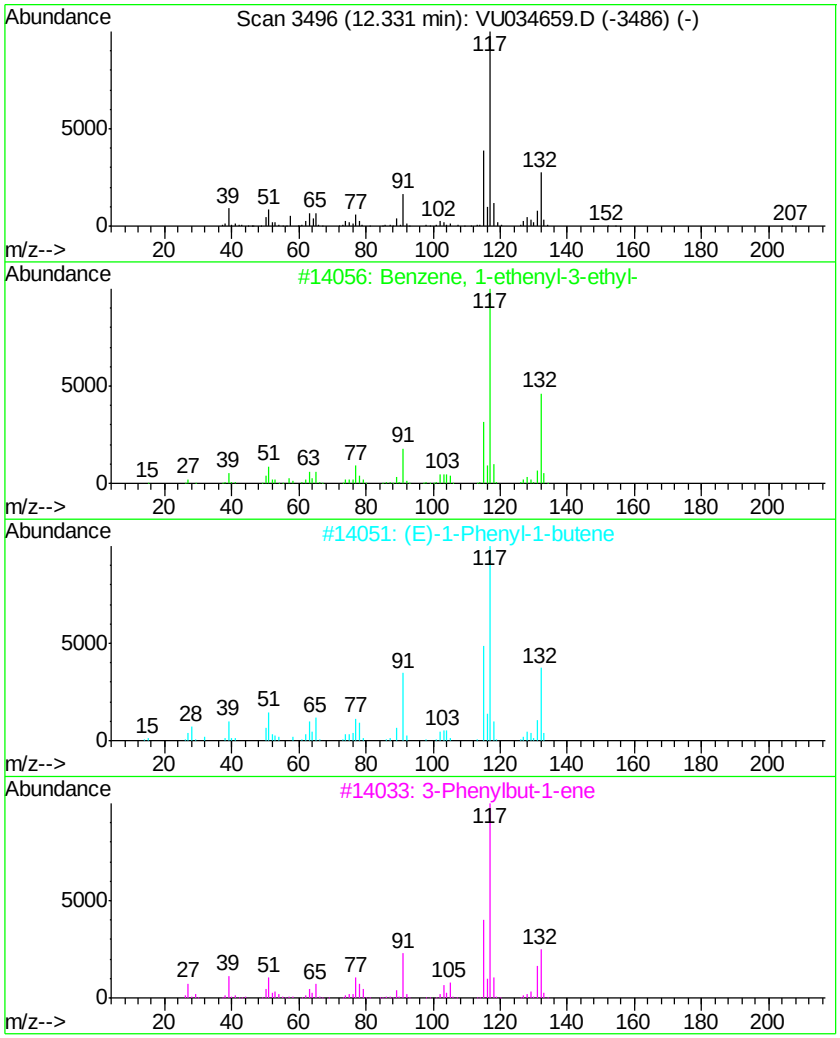
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

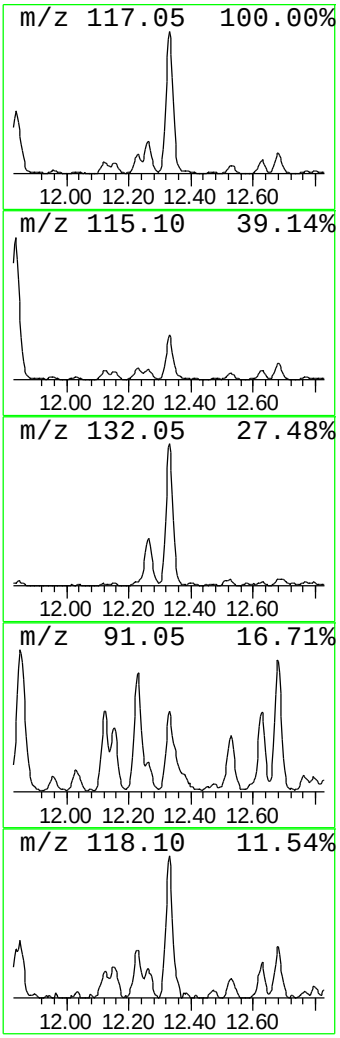
****

Peak Number 21 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	16.54 ug/L	511240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

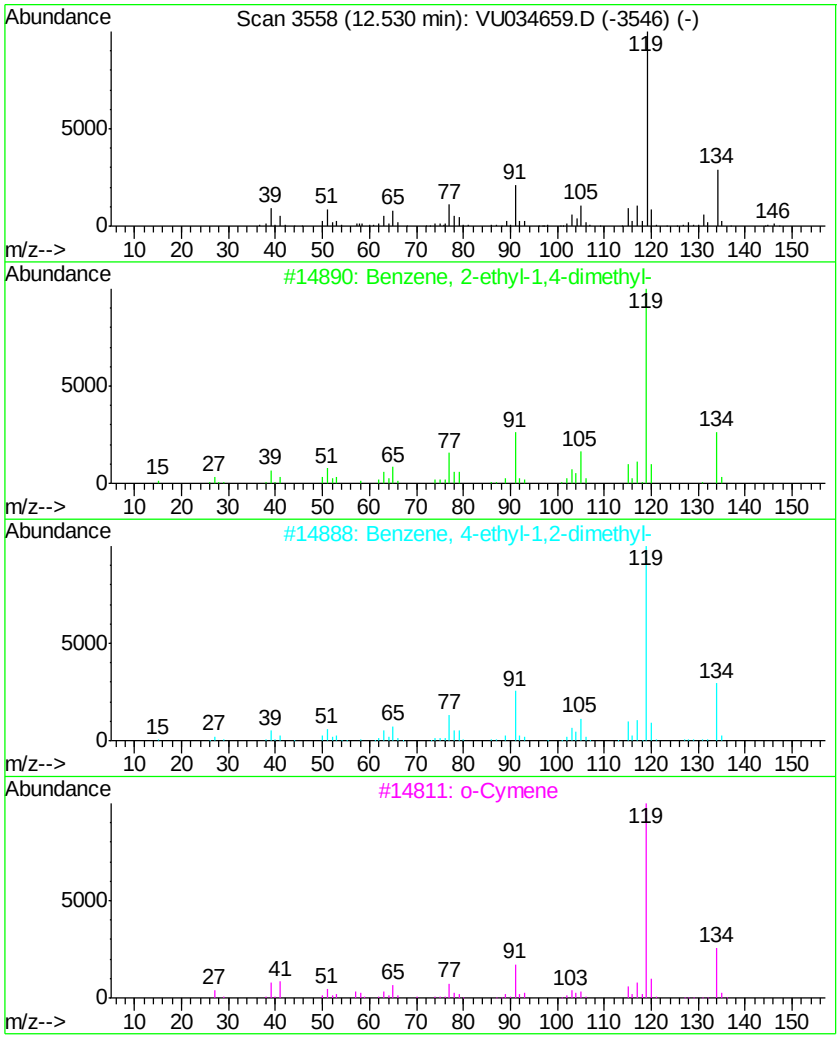
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

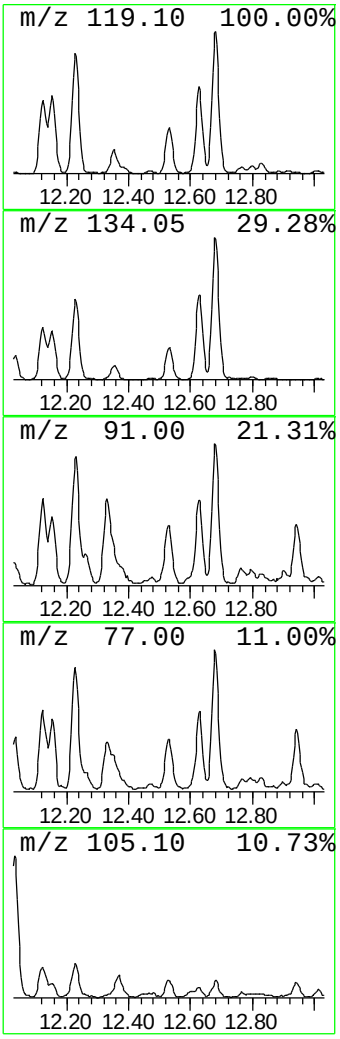
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.11 ug/L	219870	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

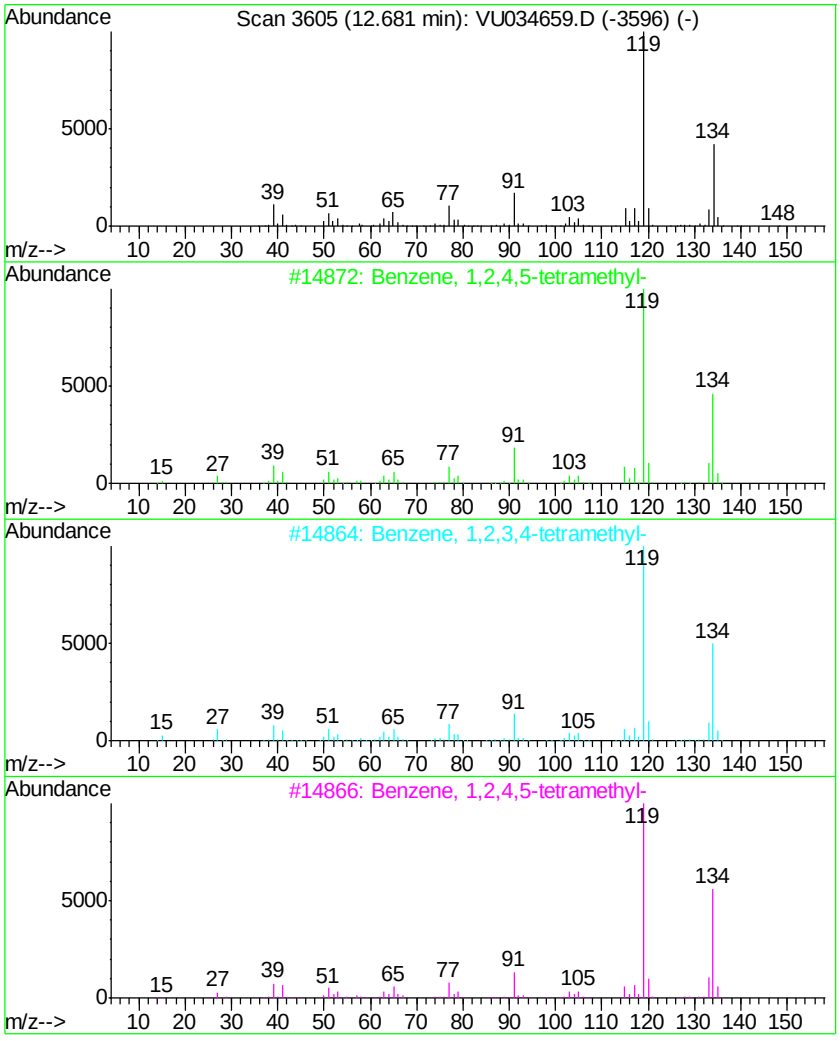
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

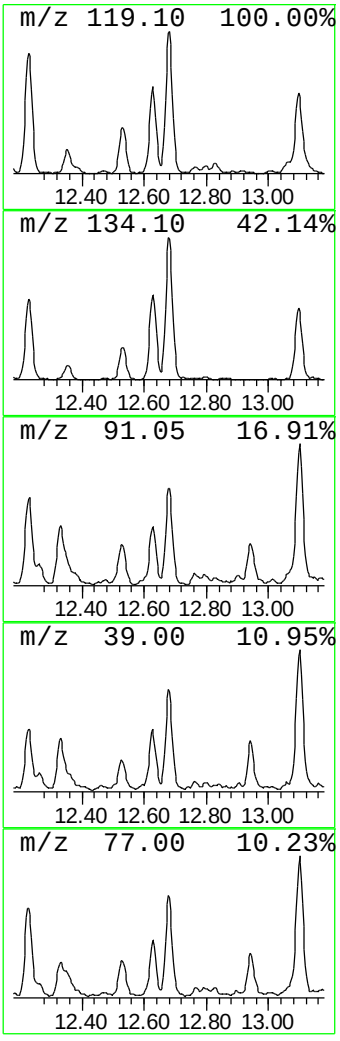
****

Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	19.14 ug/L	591650	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

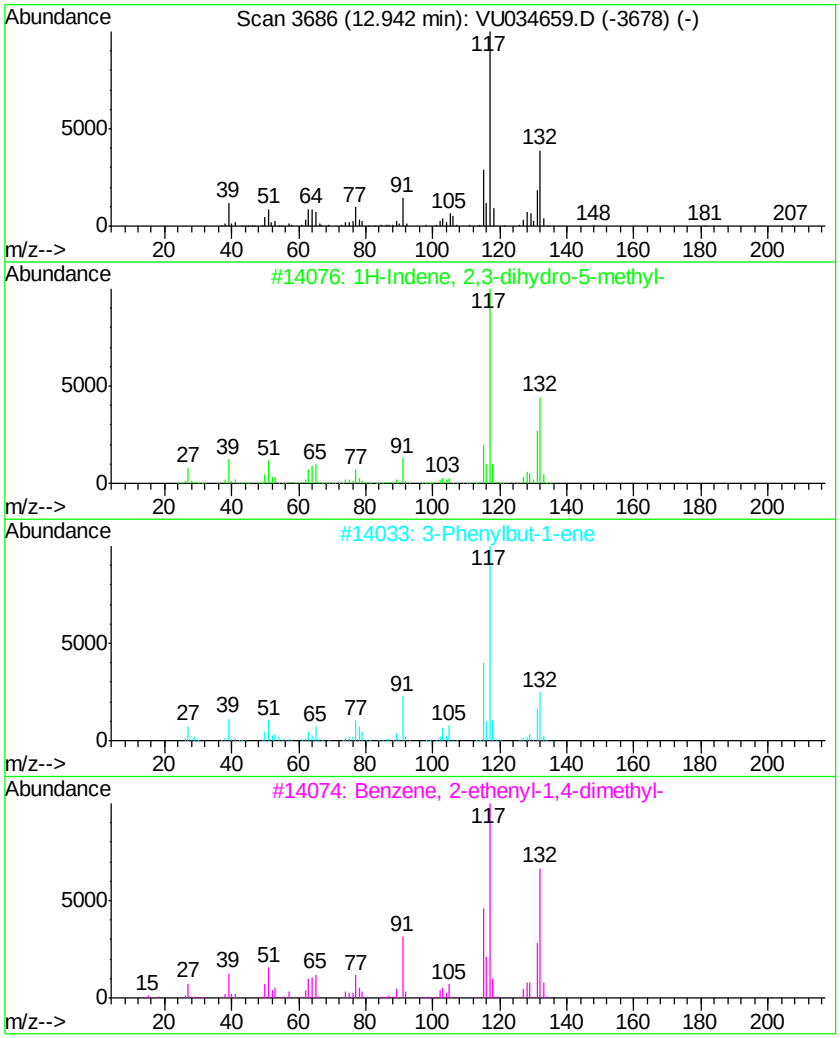
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

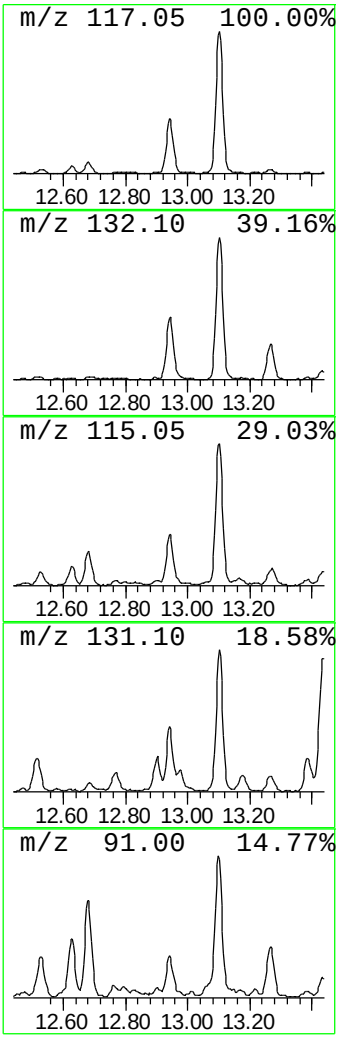
****

Peak Number 25 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	10.21 ug/L	315633	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

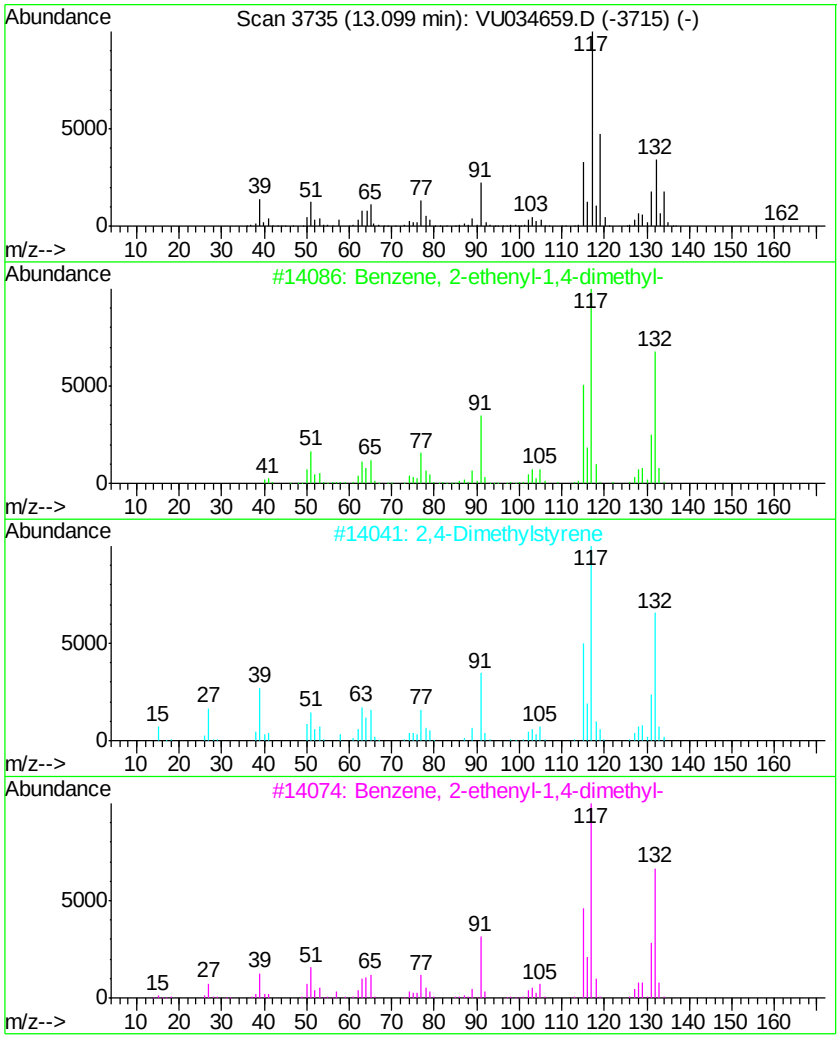
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

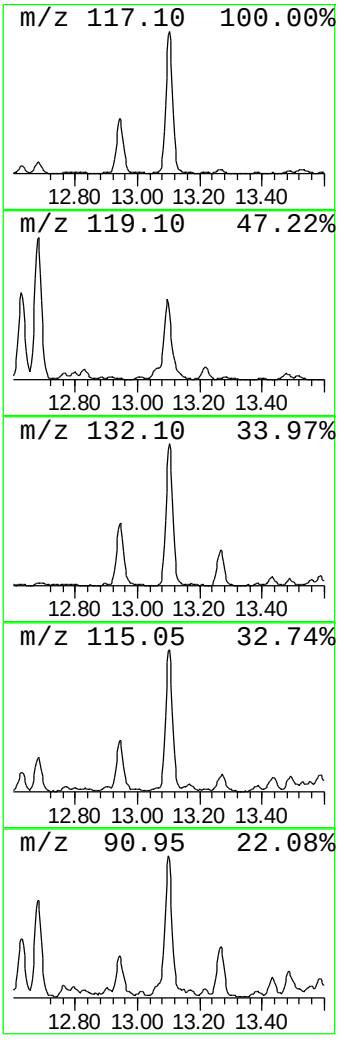
****

Peak Number 26 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	36.24 ug/L	1119840	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

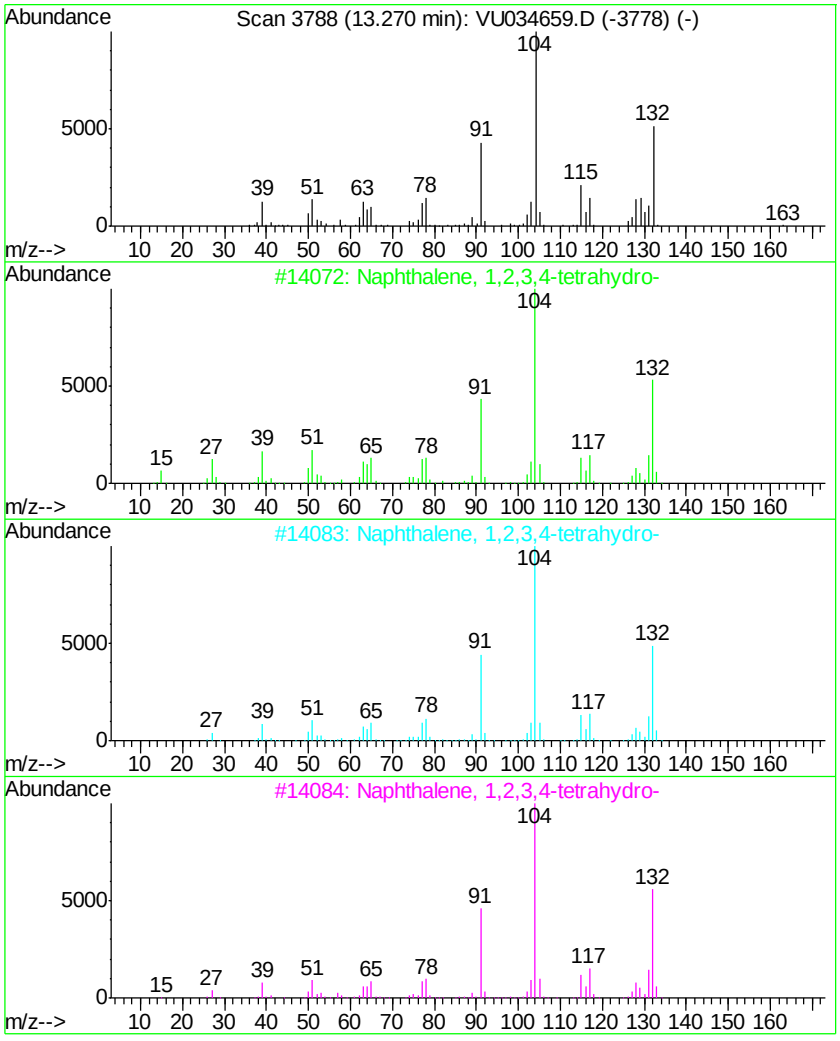
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

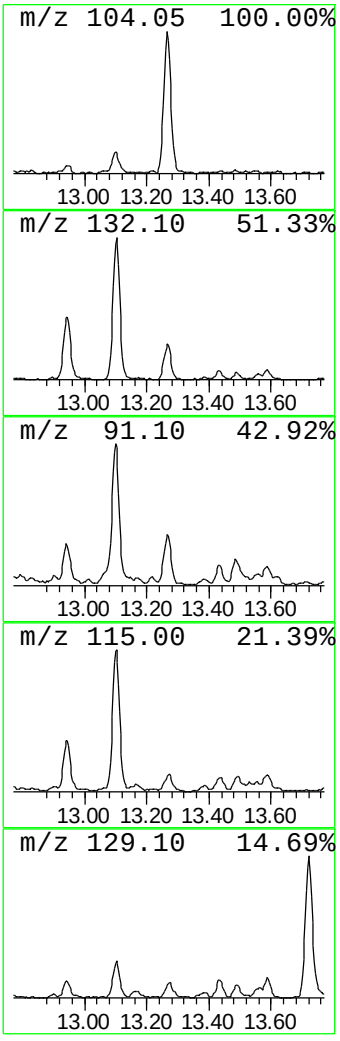
****

Peak Number 27 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.93 ug/L	214247	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5	Indan, epoxide	132	C9H8O	000768-22-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

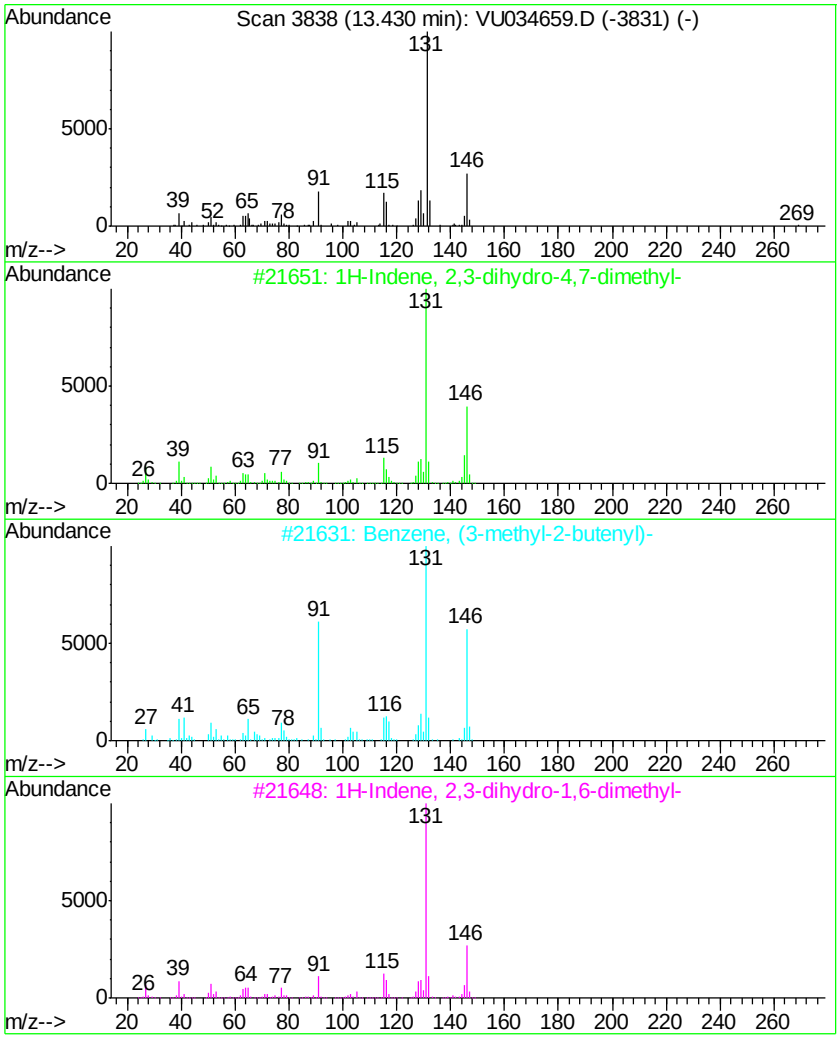
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

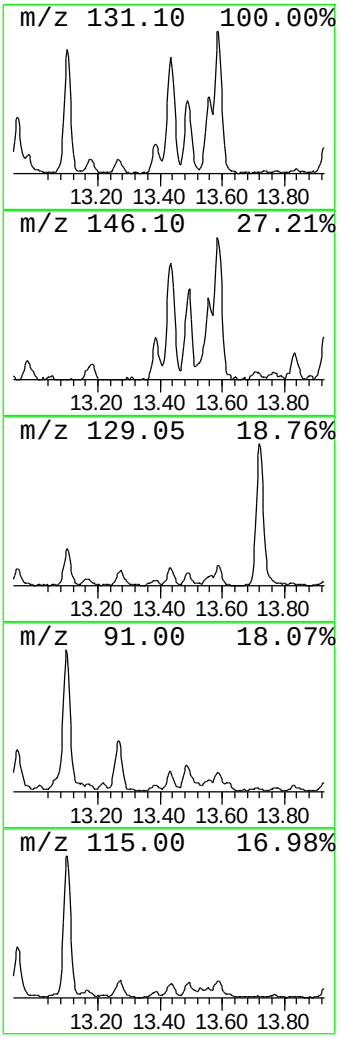
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.44 ug/L	106223	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

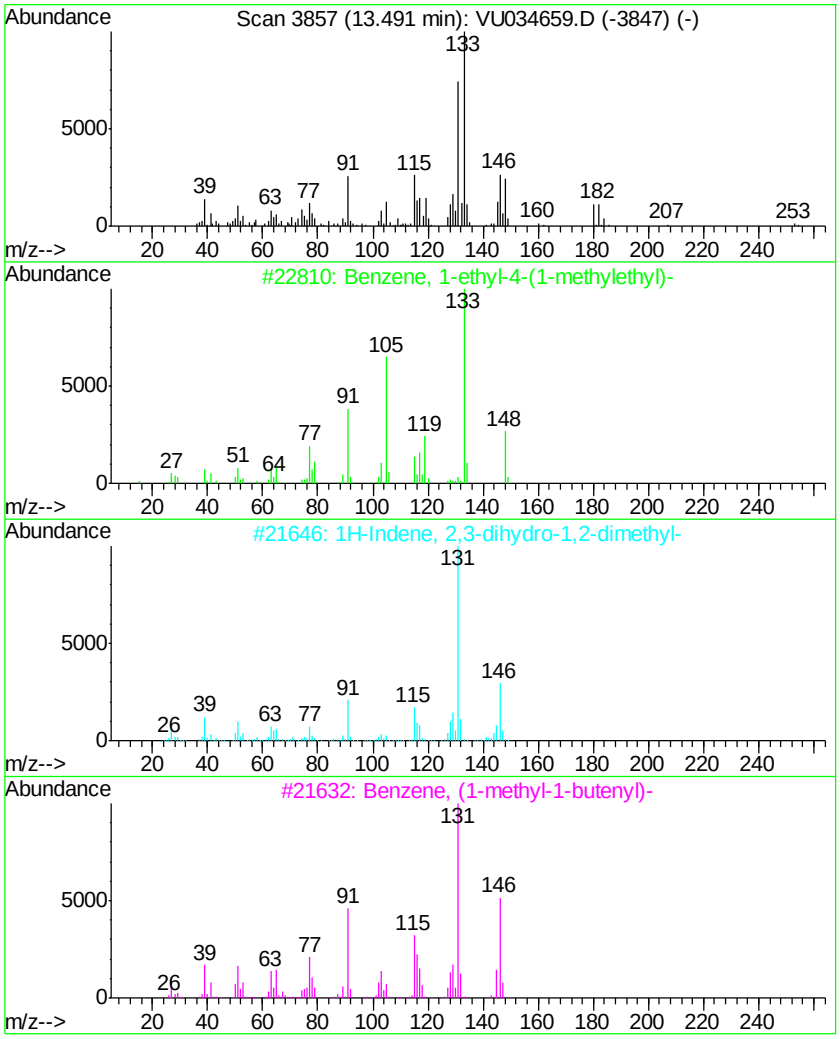
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

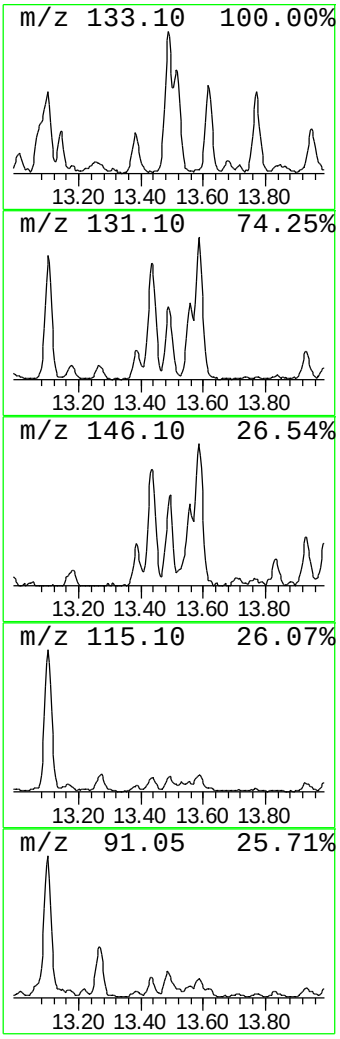
****

Peak Number 29 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	7.43 ug/L	229510	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	46
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	46
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

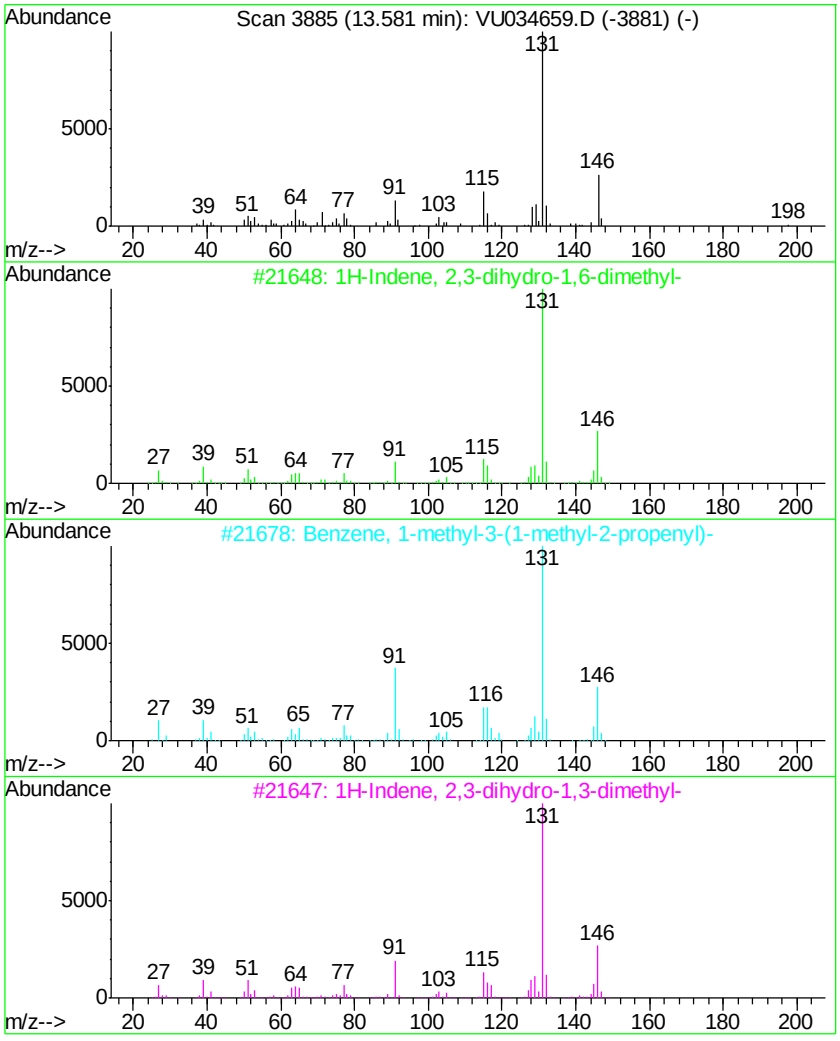
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

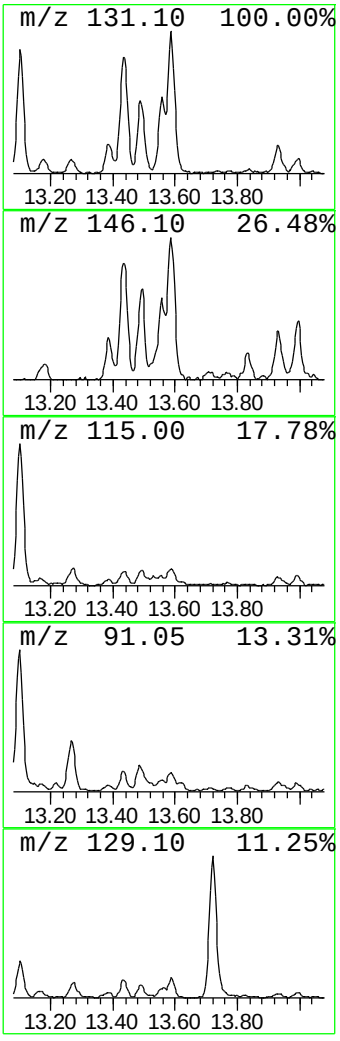
****

Peak Number 30 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	2.61 ug/L	80660	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

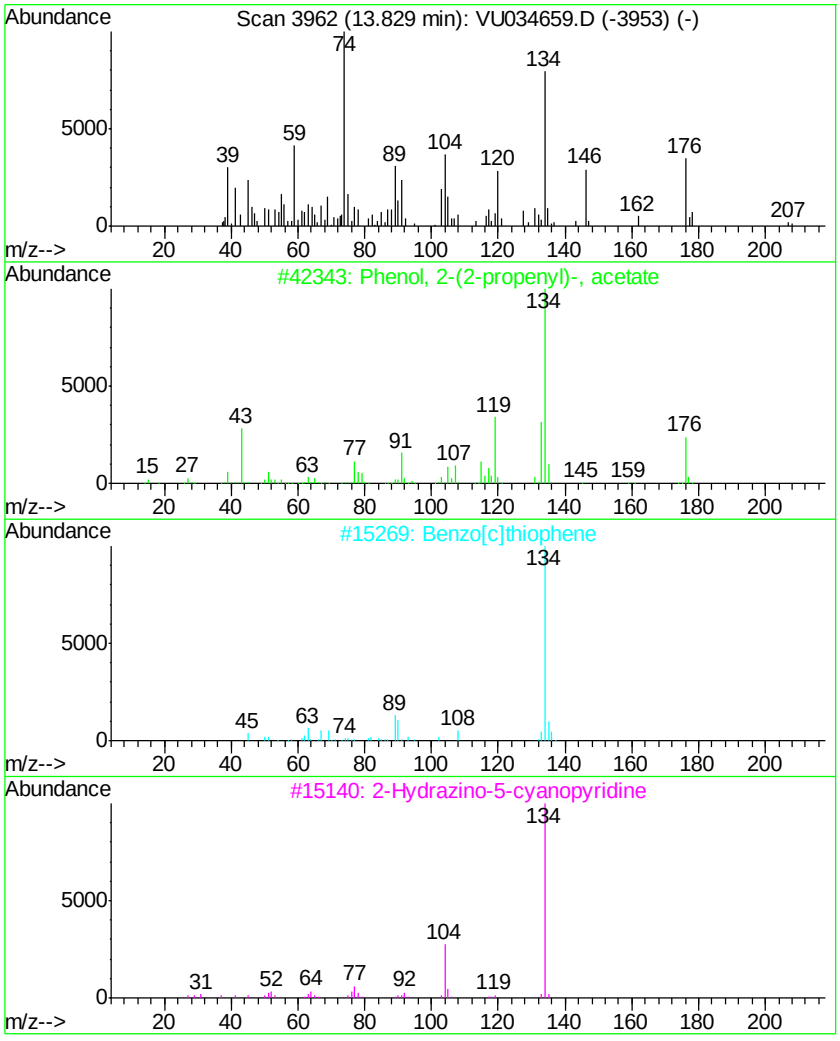
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

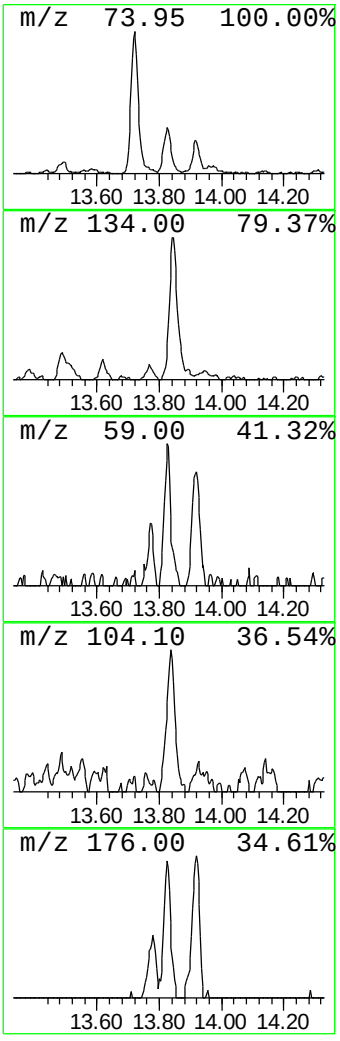
****

Peak Number 32 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	3.75 ug/L	115966	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(2-propenyl)-, acetate	176	C11H12O2	004125-54-6	30
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	25
3	2-Hydrazino-5-cyanopyridine	134	C6H6N4	104408-24-4	25
4	1-Phenyl-2-acetoxy-prop-1-en	176	C11H12O2	024175-87-9	22
5	Benzoxazolylguanidine	176	C8H8N4O	039123-82-5	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

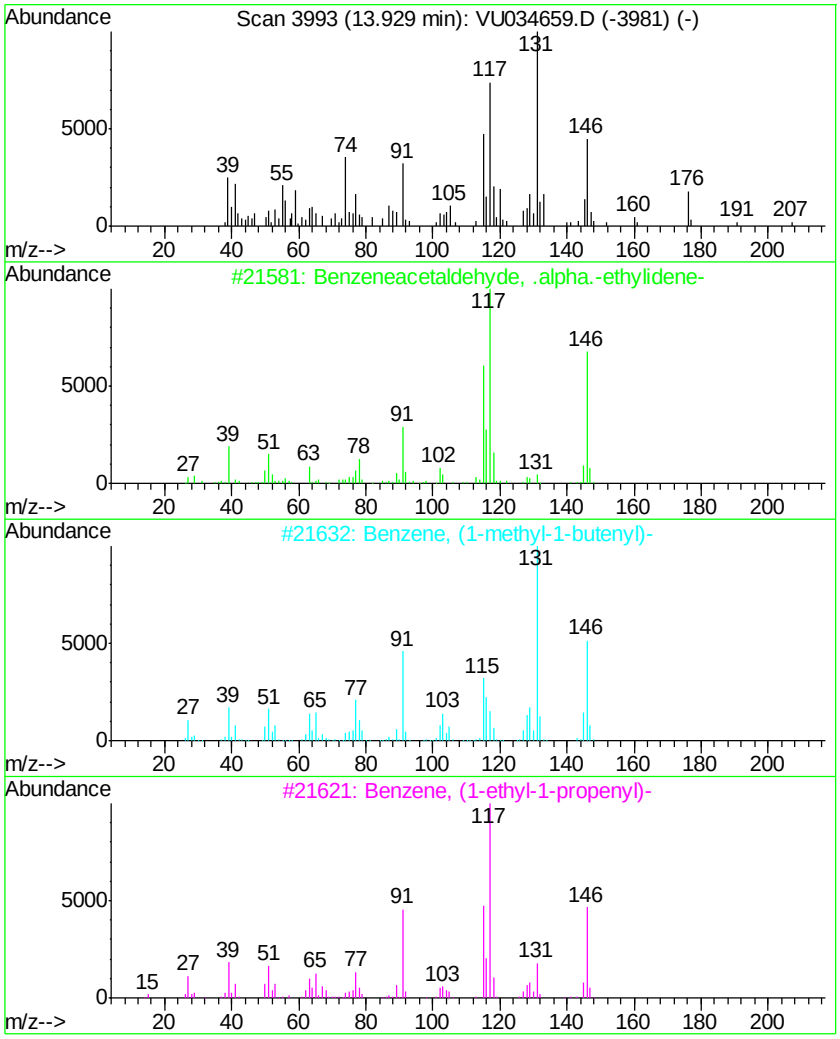
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

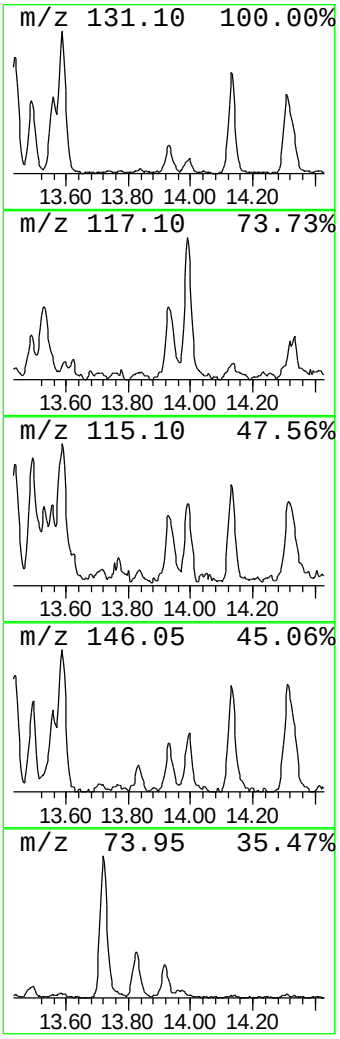
****

Peak Number 33 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	4.42 ug/L	136680	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	46
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	41
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	41
5	4-Pentenoic acid, 5-phenyl-	176	C11H12O2	028525-69-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

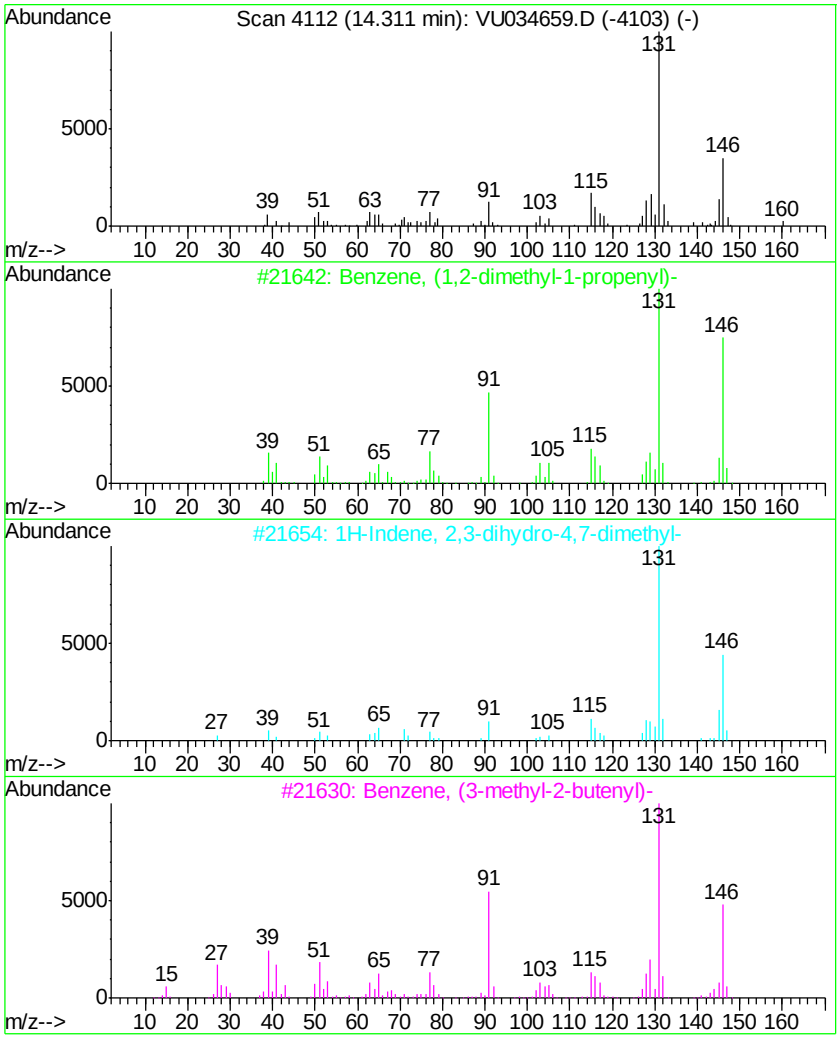
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

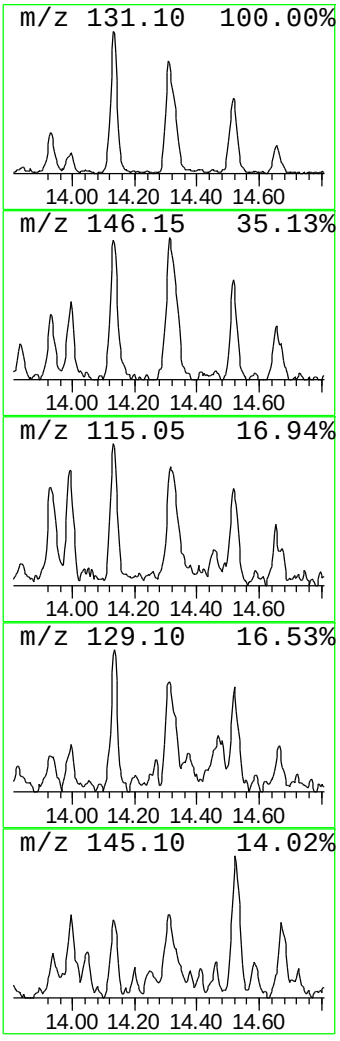
****

Peak Number 35 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	5.06 ug/L	156420	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

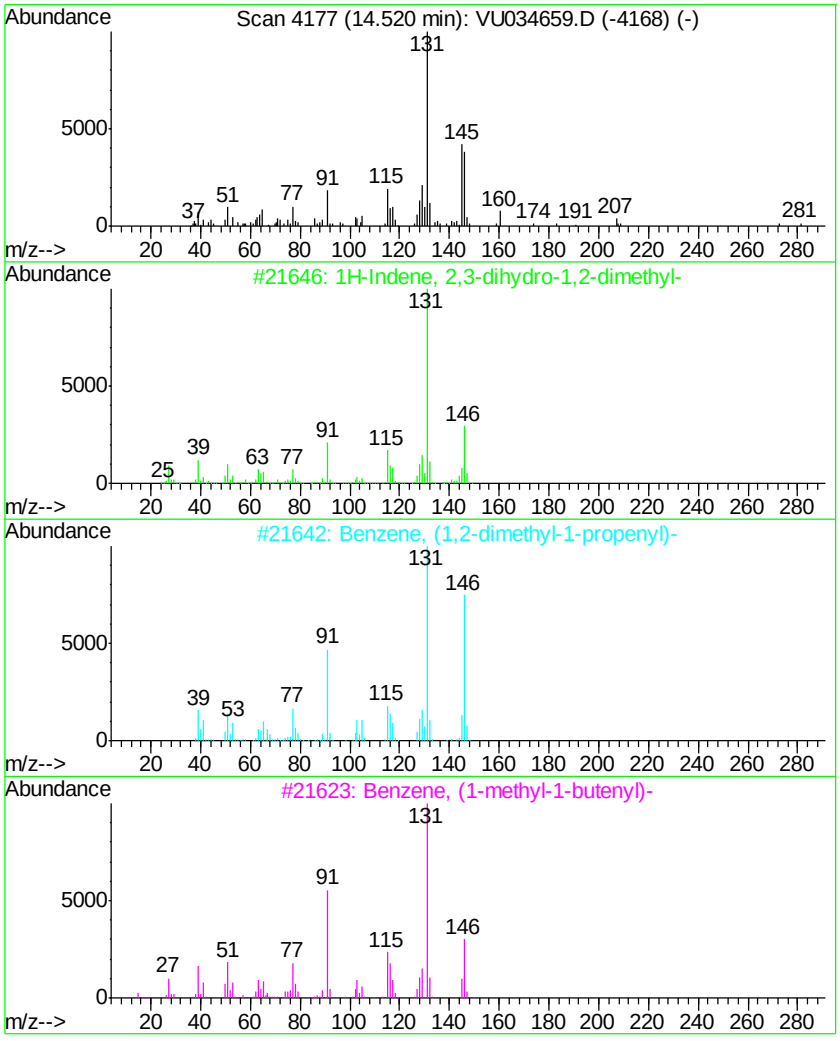
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

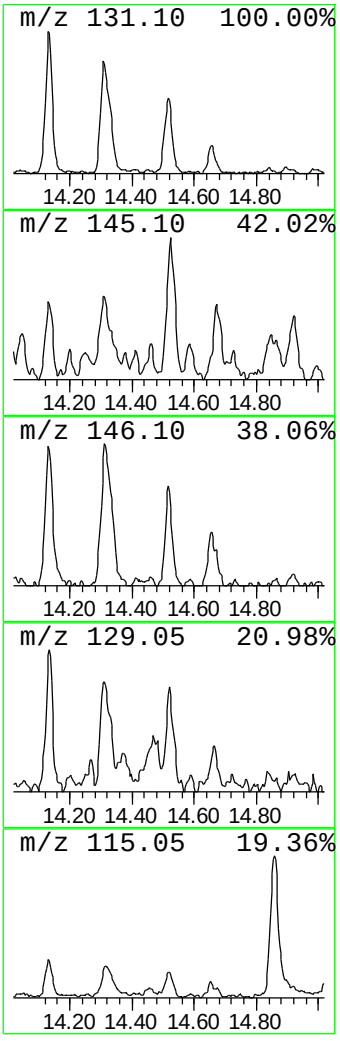
****

Peak Number 36 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.07 ug/L	94788	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	81
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

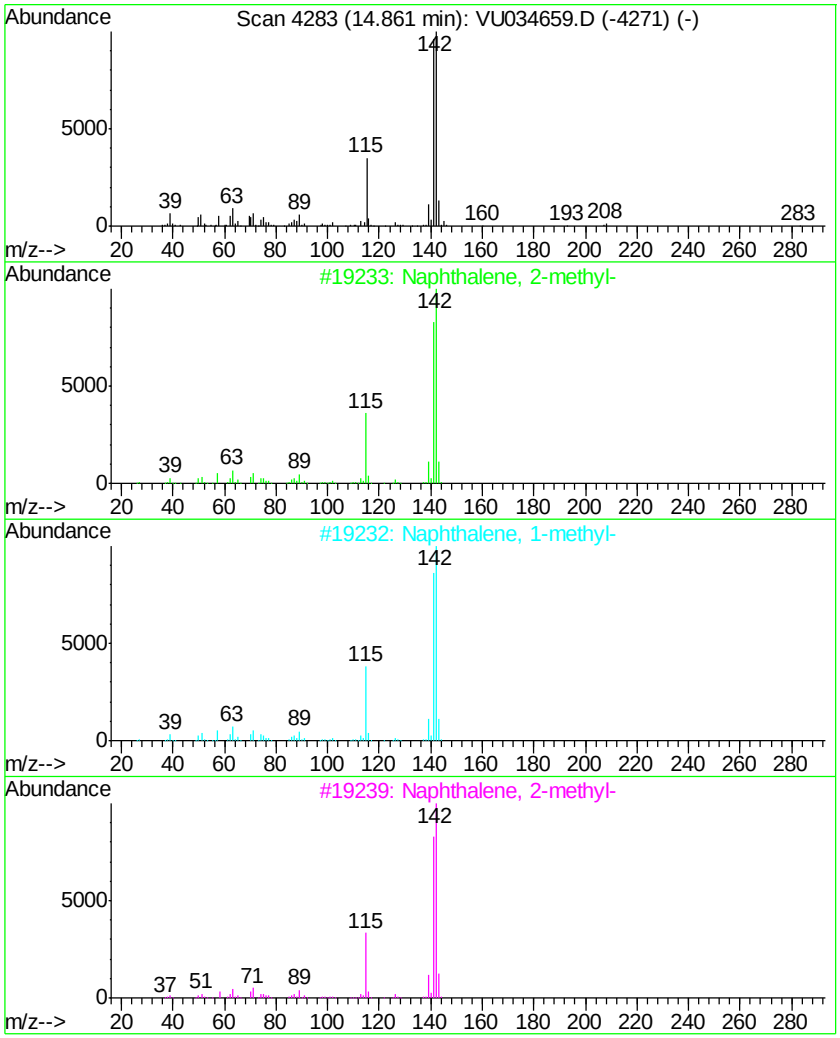
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

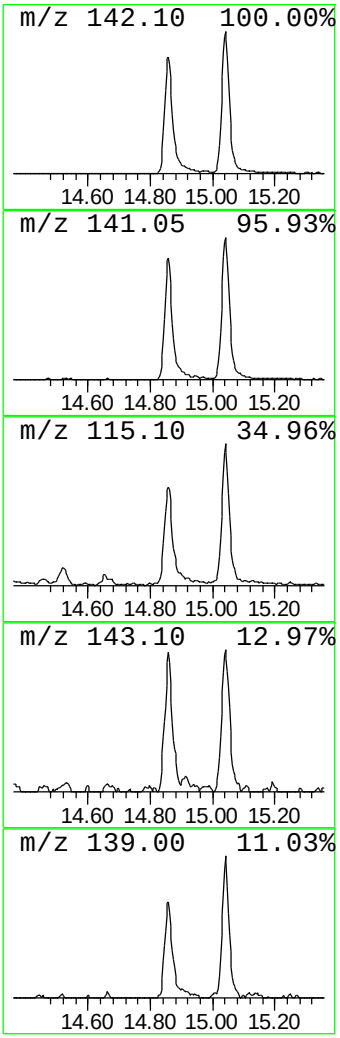
****

Peak Number 37 Naphthalene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	9.78 ug/L	302141	1,4-Dichlorobenzene-d4	11.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034659.D
Acq On : 19 Sep 2019 20:16
Operator : JC/SP
Sample : K4895-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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 acetate	5.53	9.3	ug/L	224157	1	5.86	1207300	50.0
n-Propyl acetate	6.68	157.2	ug/L	3794480	1	5.86	1207300	50.0
Propanoic acid, 1...	7.40	22.3	ug/L	538125	1	5.86	1207300	50.0
Propanoic acid, 2...	8.13	24.8	ug/L	821597	2	9.07	1659270	50.0
Propanoic acid, p...	8.40	37.3	ug/L	1238650	2	9.07	1659270	50.0
Butanoic acid, 1-...	8.88	49.8	ug/L	1653980	2	9.07	1659270	50.0
Benzene, propyl-	10.57	4.5	ug/L	139072	3	11.46	1545190	50.0
Benzene, 1-ethyl-...	10.66	48.9	ug/L	1512510	3	11.46	1545190	50.0
Benzene, 1-ethyl-...	10.95	28.0	ug/L	865705	3	11.46	1545190	50.0
Benzene, 1,2,4-tr...	11.12	86.2	ug/L	2662320	3	11.46	1545190	50.0
o-Cymene	11.40	5.1	ug/L	156436	3	11.46	1545190	50.0
Benzene, 1,2,3-tr...	11.55	47.7	ug/L	1474420	3	11.46	1545190	50.0
Indane	11.74	27.1	ug/L	836336	3	11.46	1545190	50.0
Benzene, 1-methyl...	11.78	6.6	ug/L	203427	3	11.46	1545190	50.0
Benzene, 1-ethyl-...	12.12	9.5	ug/L	294850	3	11.46	1545190	50.0
Benzene, 1-etheny...	12.33	16.5	ug/L	511240	3	11.46	1545190	50.0
Benzene, 2-ethyl-...	12.53	7.1	ug/L	219870	3	11.46	1545190	50.0
Benzene, 1,2,4,5-...	12.68	19.1	ug/L	591650	3	11.46	1545190	50.0
1H-Indene, 2,3-di...	12.94	10.2	ug/L	315633	3	11.46	1545190	50.0
Benzene, 2-etheny...	13.10	36.2	ug/L	1119840	3	11.46	1545190	50.0
Naphthalene, 1,2,...	13.27	6.9	ug/L	214247	3	11.46	1545190	50.0
1H-Indene, 2,3-di...	13.43	3.4	ug/L	106223	3	11.46	1545190	50.0
Benzene, 1-ethyl-...	13.49	7.4	ug/L	229510	3	11.46	1545190	50.0
1H-Indene, 2,3-di...	13.58	2.6	ug/L	80660	3	11.46	1545190	50.0
unknown-01	13.83	3.8	ug/L	115966	3	11.46	1545190	50.0
unknown-02	13.93	4.4	ug/L	136680	3	11.46	1545190	50.0
Benzene, (1,2-dim...	14.31	5.1	ug/L	156420	3	11.46	1545190	50.0
1H-Indene, 2,3-di...	14.52	3.1	ug/L	94788	3	11.46	1545190	50.0
Naphthalene, 1-me...	14.86	9.8	ug/L	302141	3	11.46	1545190	50.0