LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034760.D
Acq On : 24 Sep 2019 02:00
Operator : JC/SP
Sample : K4932-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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	23	27	31	rBV2	8265	7618	0.21%	0.030%
2	1.396	86	95	105	rBV	343403	370942	10.44%	1.468%
3	1.466	112	117	124	rVB	28120	27934	0.79%	0.111%
4	1.672	173	181	193	rBV	269018	329982	9.28%	1.306%
5	2.257	354	363	372	rBV	479503	718414	20.21%	2.844%
6	2.305	372	378	401	rVB	172733	280249	7.88%	1.109%
7	2.428	407	416	438	rVB	58846	109664	3.09%	0.434%
8	2.624	472	477	481	rBV7	1434	1804	0.05%	0.007%
9	2.685	481	496	522	rBV	2001070	3554726	100.00%	14.071%
10	2.936	570	574	575	rBV5	1523	1163	0.03%	0.005%
11	2.965	579	583	595	rVB9	6050	9678	0.27%	0.038%
12	3.145	634	639	641	rBV5	1620	1265	0.04%	0.005%
13	3.174	646	648	654	rVB6	1873	1523	0.04%	0.006%
14	3.334	695	698	705	rVB7	1346	1328	0.04%	0.005%
15	3.514	748	754	760	rBV8	1392	1743	0.05%	0.007%
16	3.543	760	763	766	rBV4	1362	918	0.03%	0.004%
17	3.595	773	779	799	rBV8	11063	28026	0.79%	0.111%
18	3.781	834	837	839	rBV3	1578	1084	0.03%	0.004%
19	3.820	846	849	852	rBV3	1610	1031	0.03%	0.004%
20	3.926	878	882	883	rBV4	1725	1043	0.03%	0.004%
21	3.990	897	902	909	rVB6	1740	2437	0.07%	0.010%
22	4.235	947	978	1007	rBV	292876	859787	24.19%	3.403%
23	4.498	1056	1060	1063	rBV4	1874	1399	0.04%	0.006%
24	4.649	1091	1107	1130	rBV	364992	861498	24.24%	3.410%
25	4.907	1185	1187	1194	rVB6	1931	1652	0.05%	0.007%
26	4.936	1194	1196	1198	rBV3	1599	960	0.03%	0.004%
27	4.968	1203	1206	1209	rVV3	1279	1030	0.03%	0.004%
28	5.315	1291	1314	1348	rBV2	811302	2501439	70.37%	9.902%
29	5.501	1368	1372	1373	rBV4	1764	1257	0.04%	0.005%
30	5.649	1416	1418	1423	rVB6	1415	990	0.03%	0.004%
31	5.772	1448	1456	1470	rVB3	6591	12754	0.36%	0.050%
32	5.865	1470	1485	1503	rBV	652921	1302260	36.63%	5.155%
33	6.164	1565	1578	1600	rVB	584861	1133704	31.89%	4.488%
34	6.309	1610	1623	1640	rBV2	557166	1115895	31.39%	4.417%

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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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	6.559	1694	1701	1719	rVB2	21446	41949	1.18%	0.166%
36	6.698	1738	1744	1755	rBV3	10683	18994	0.53%	0.075%
37	6.788	1770	1772	1774	rBV3	2433	1332	0.04%	0.005%
38	6.878	1796	1800	1803	rVB4	2204	1509	0.04%	0.006%
39	6.997	1834	1837	1839	rBV3	1758	1039	0.03%	0.004%
40	7.206	1888	1902	1937	rBV2	275267	522318	14.69%	2.068%
41	7.440	1965	1975	1994	rVB	147218	257595	7.25%	1.020%
42	7.543	1994	2007	2021	rBV	1101431	1929952	54.29%	7.640%
43	7.617	2023	2030	2043	rVB2	101227	177308	4.99%	0.702%
44	7.829	2085	2096	2109	rBV	200829	360771	10.15%	1.428%
45	7.897	2110	2117	2141	rVB2	50876	130256	3.66%	0.516%
46	8.141	2187	2193	2203	rBV5	7733	13253	0.37%	0.052%
47	8.212	2207	2215	2228	rBV3	32193	53003	1.49%	0.210%
48	8.289	2230	2239	2246	rBV2	130577	220977	6.22%	0.875%
49	8.341	2246	2255	2283	rVB	859413	1536855	43.23%	6.084%
50	8.659	2351	2354	2355	rBV3	1512	871	0.02%	0.003%
51	8.759	2382	2385	2390	rVB4	2249	1957	0.06%	0.008%
52	8.781	2390	2392	2397	rVB6	1578	1181	0.03%	0.005%
53	8.833	2405	2408	2411	rBV5	1653	958	0.03%	0.004%
54	8.890	2419	2426	2434	rBV7	7530	10951	0.31%	0.043%
55	8.929	2436	2438	2442	rBV4	1884	1070	0.03%	0.004%
56	8.987	2454	2456	2461	rBV5	998	1117	0.03%	0.004%
57	9.067	2461	2481	2507	rBV	975236	1691412	47.58%	6.695%
58	9.231	2524	2532	2542	rBV	31932	55103	1.55%	0.218%
59	9.353	2560	2570	2585	rVV3	114036	193729	5.45%	0.767%
60	9.424	2589	2592	2606	rVB4	13416	24180	0.68%	0.096%
61	9.588	2635	2643	2654	rBV2	23306	41306	1.16%	0.164%
62	9.685	2669	2673	2676	rVB6	1600	1031	0.03%	0.004%
63	9.759	2684	2696	2707	rBV2	93848	158436	4.46%	0.627%
64	9.910	2734	2743	2756	rBV3	23489	50199	1.41%	0.199%
65	10.019	2769	2777	2779	rBV7	5752	7501	0.21%	0.030%
66	10.141	2810	2815	2823	rVB7	7014	10163	0.29%	0.040%
67	10.279	2852	2858	2859	rBV4	1992	1776	0.05%	0.007%
68	10.414	2892	2900	2910	rVB4	7409	14277	0.40%	0.057%
69	10.476	2916	2919	2921	rBV3	1405	913	0.03%	0.004%
70	10.533	2931	2937	2940	rBV6	1882	2041	0.06%	0.008%
71	10.569	2940	2948	2957	rVV4	11790	21530	0.61%	0.085%

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ALS Vial : 37 Sample Multiplier: 1

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ClientSampleId : BFDE8

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	10.659	2967	2976	2995	rBV2	49780	104946	2.95%	0.415%
73	10.749	2996	3004	3012	rBV3	36277	58033	1.63%	0.230%
74	10.897	3042	3050	3052	rBV7	7574	8720	0.25%	0.035%
75	10.948	3058	3066	3078	rVB2	35849	55001	1.55%	0.218%
76	11.029	3089	3091	3095	rVB3	2256	1432	0.04%	0.006%
77	11.054	3095	3099	3107	rBV3	2543	3425	0.10%	0.014%
78	11.125	3111	3121	3137	rVV	129962	206772	5.82%	0.819%
79	11.244	3152	3158	3168	rBV3	11129	15699	0.44%	0.062%
80	11.459	3214	3225	3243	rBV	928539	1522954	42.84%	6.029%
81	11.546	3245	3252	3266	rVB	68805	114900	3.23%	0.455%
82	11.659	3284	3287	3297	rVB	3723	4871	0.14%	0.019%
83	11.746	3305	3314	3323	rBV3	46344	90740	2.55%	0.359%
84	11.836	3331	3342	3362	rVB	1039471	1734369	48.79%	6.866%
85	12.128	3427	3433	3437	rBV5	13452	18745	0.53%	0.074%
86	12.228	3460	3464	3472	rVB2	15194	18730	0.53%	0.074%
87	12.331	3489	3496	3507	rBV5	18968	35701	1.00%	0.141%
88	12.684	3599	3606	3620	rVB	27359	46833	1.32%	0.185%
89	12.893	3668	3671	3672	rBV3	2710	1648	0.05%	0.007%
90	12.945	3679	3687	3698	rBV5	22022	36838	1.04%	0.146%
91	13.102	3728	3736	3749	rVB4	51115	83534	2.35%	0.331%
92	13.273	3779	3789	3798	rBV4	12332	25672	0.72%	0.102%
93	13.726	3920	3930	3945	rBV2	94347	178198	5.01%	0.705%
94	14.141	4051	4059	4063	rVB9	6213	8934	0.25%	0.035%
95	14.212	4079	4081	4084	rBV4	1777	1533	0.04%	0.006%
96	14.508	4171	4173	4174	rBV2	2437	1077	0.03%	0.004%
97	14.553	4184	4187	4191	rBV6	2110	1615	0.05%	0.006%
98	14.864	4276	4284	4293	rBV	17489	33572	0.94%	0.133%
99	15.048	4334	4341	4353	rBV3	22763	38567	1.08%	0.153%
100	15.292	4414	4417	4423	rBV7	2796	2920	0.08%	0.012%

Sum of corrected areas: 25261989

LSC Report - Integrated Chromatogram

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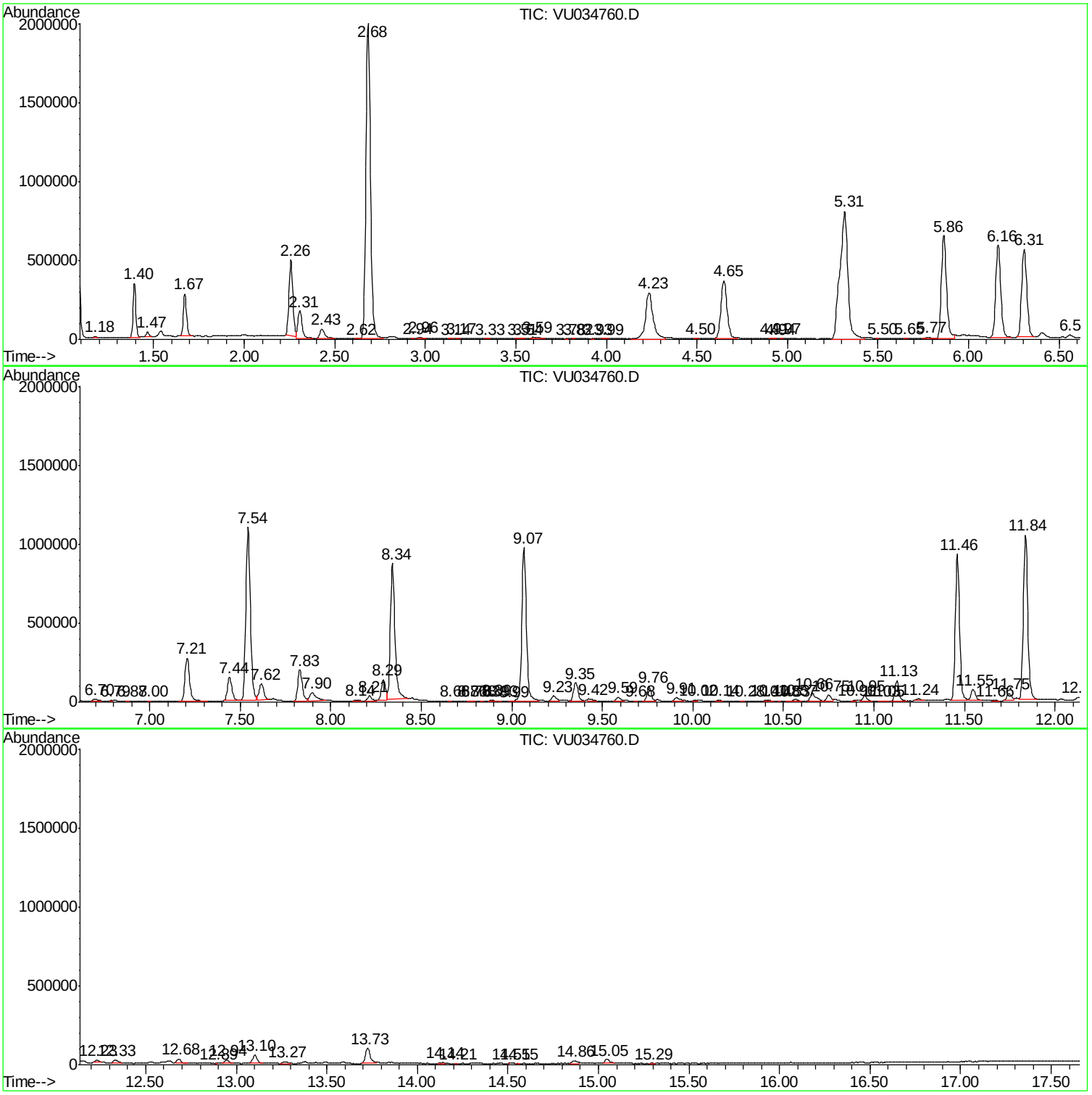
Sample : K4932-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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



Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : BFDE8

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

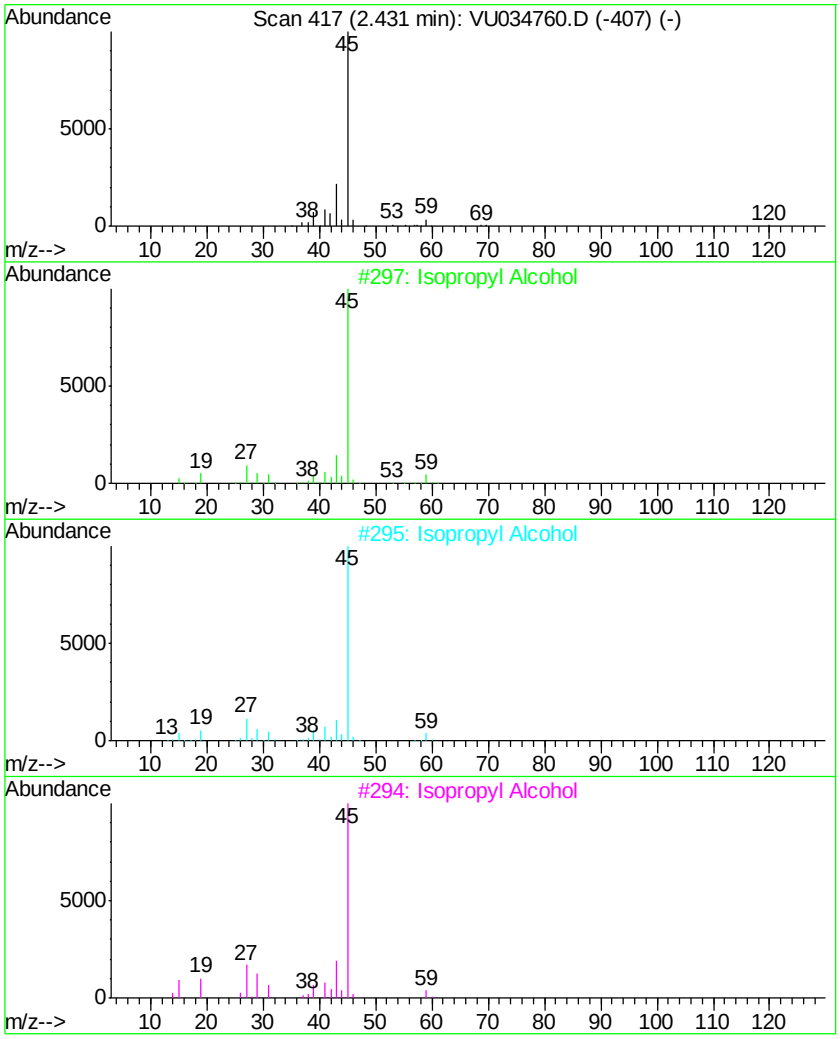
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

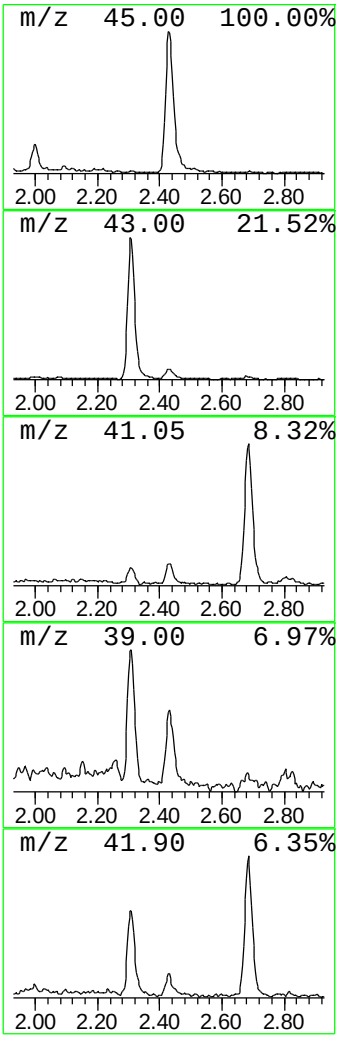
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	4.21 ug/L	109664	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
5	2-Pentanol	88	C5H12O	006032-29-7	40





Library Search Compound Report

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Acq On : 24 Sep 2019 02:00
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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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

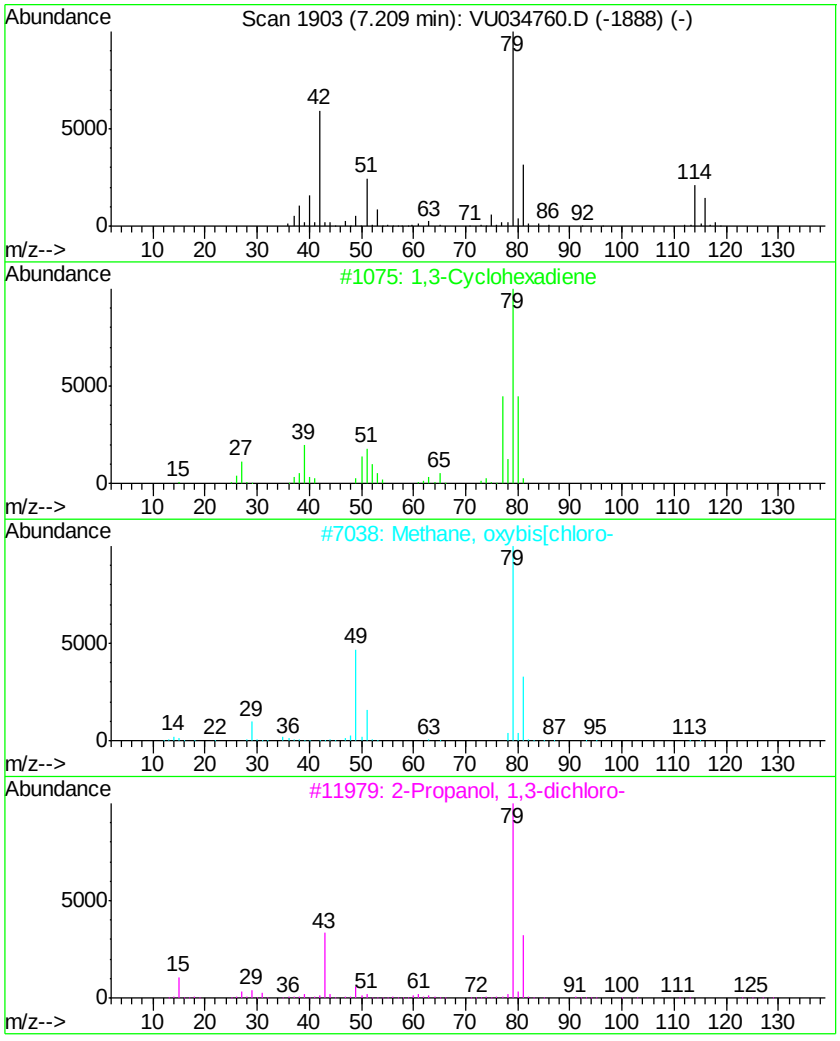
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

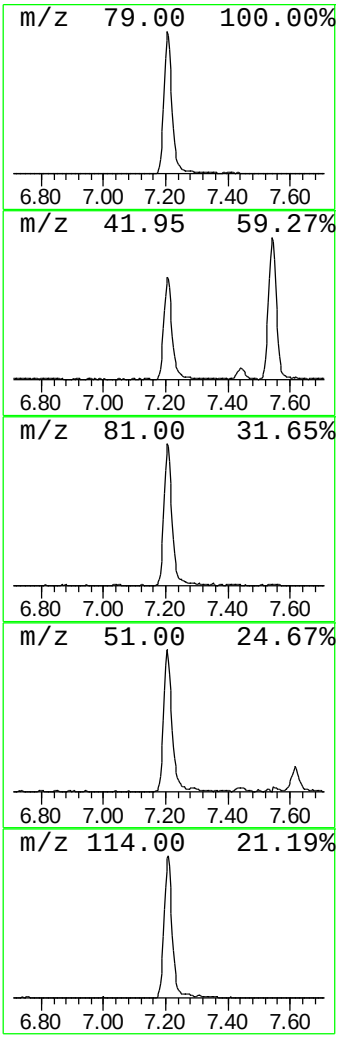
****

Peak Number 2 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	20.05 ug/L	522318	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	28
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
3	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17
4	Cyclopropane	42	C3H6	000075-19-4	10
5	1,4-Cyclohexadiene	80	C6H8	000628-41-1	9





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

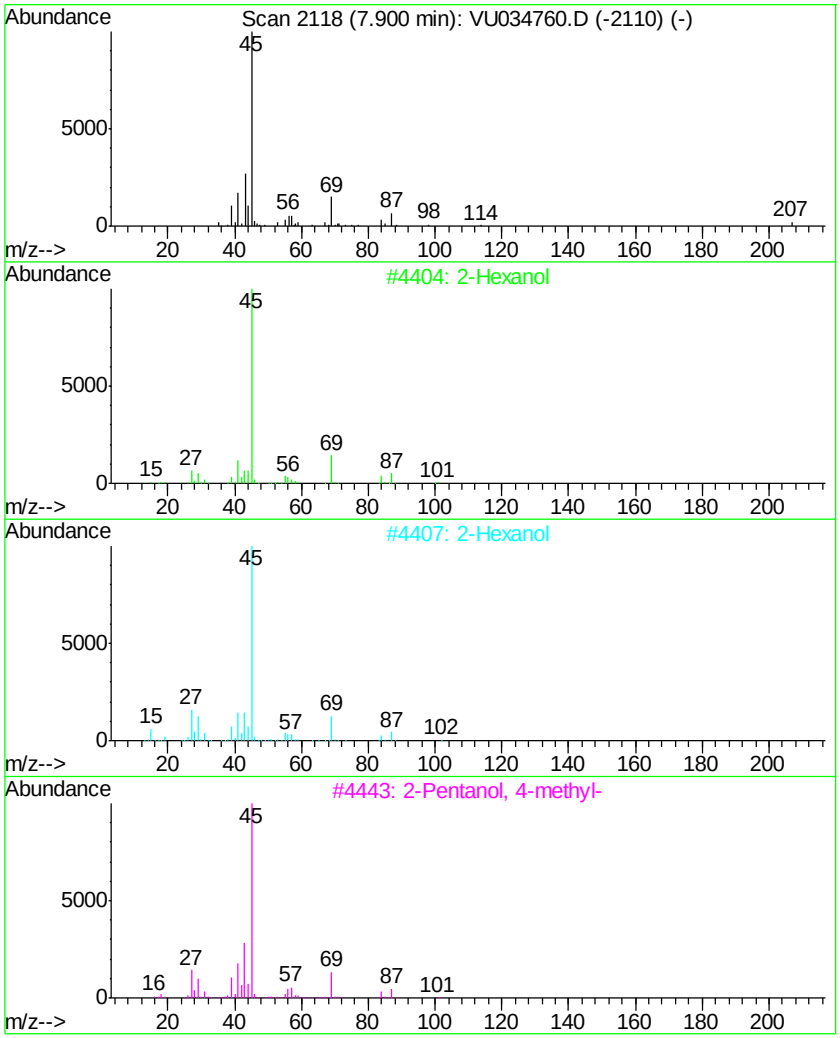
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

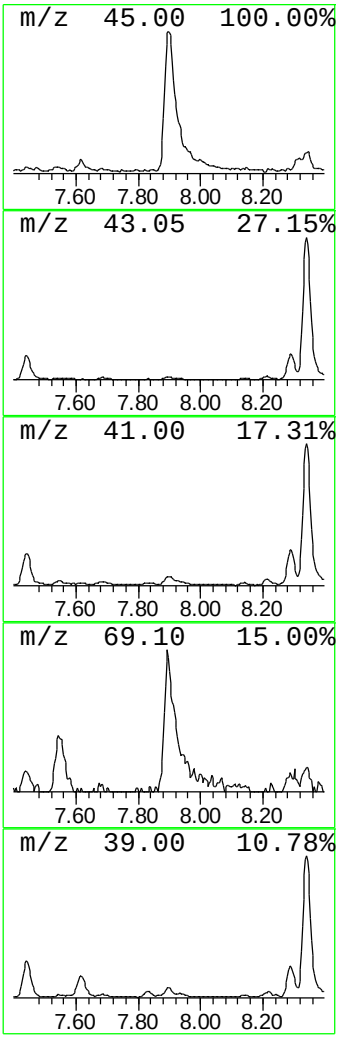
****

Peak Number 3 2-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	3.85 ug/L	130256	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	78
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
4	2-Hexanol	102	C6H14O	000626-93-7	72
5	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	72





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ClientSampleId : BFDE8

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

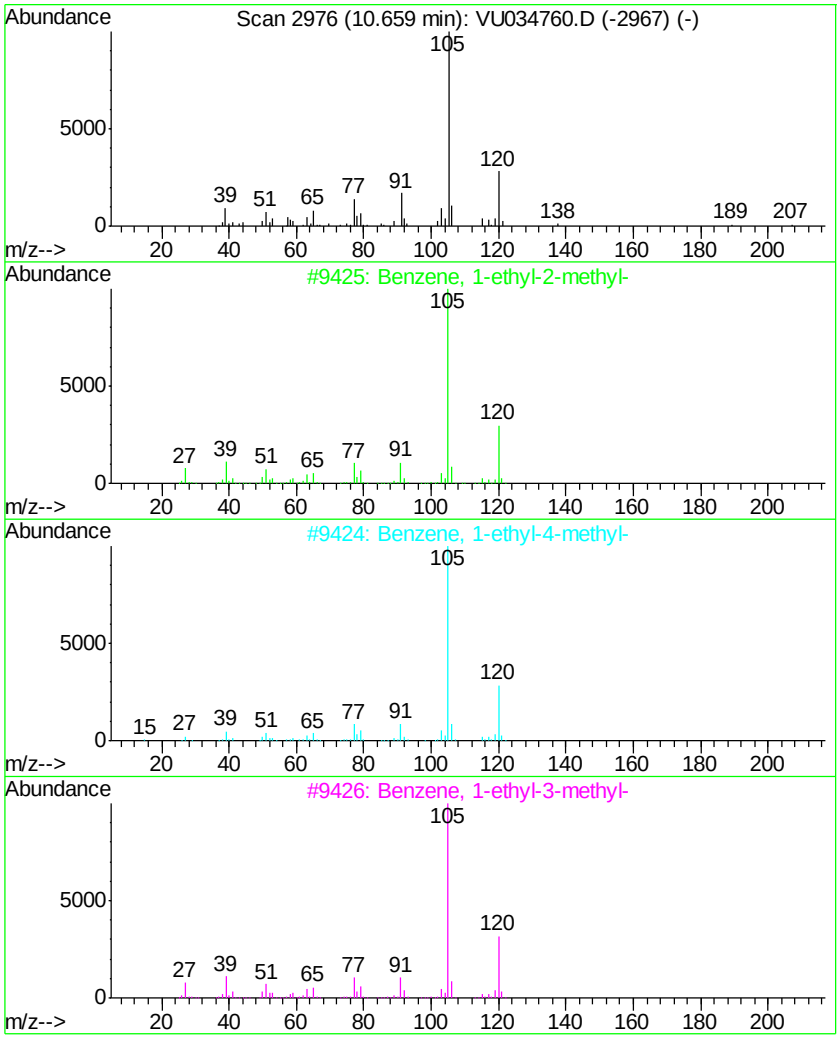
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

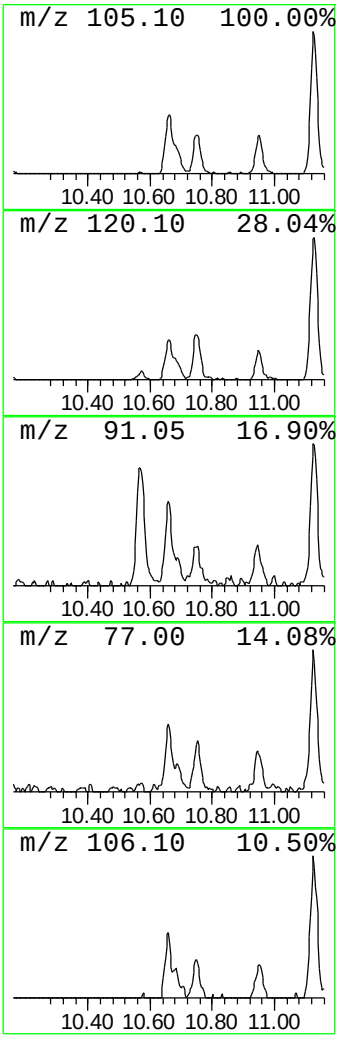
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.45 ug/L	104946	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-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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

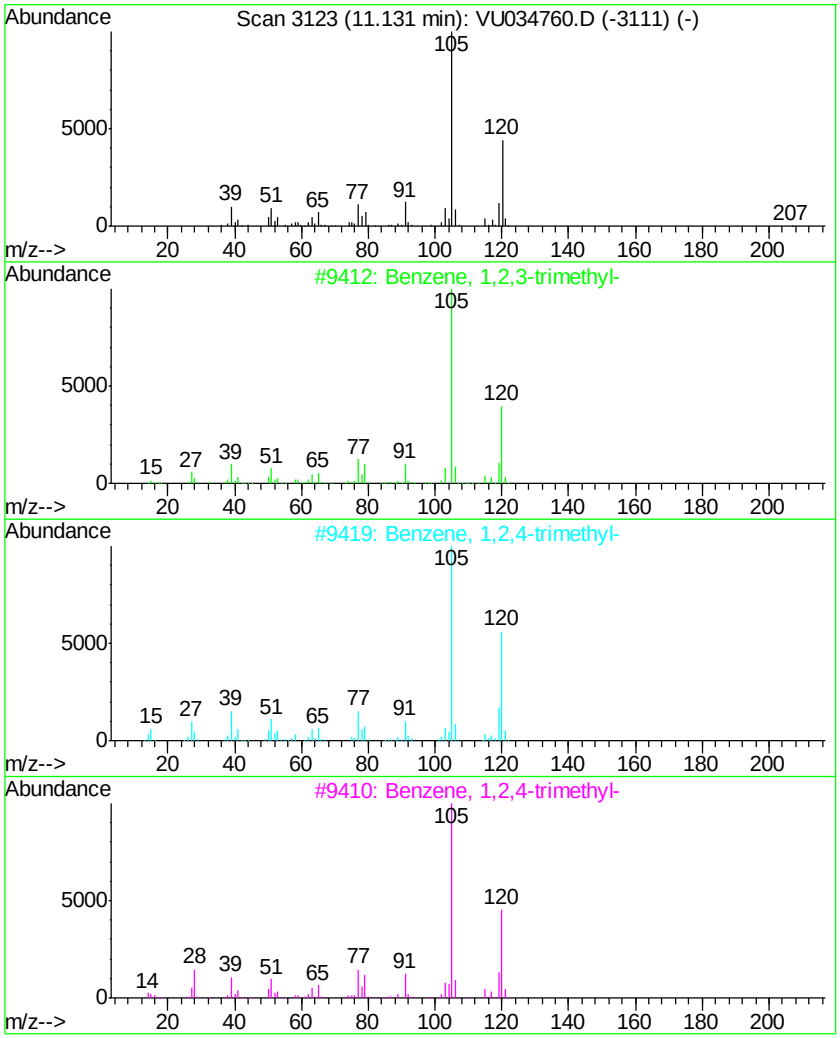
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

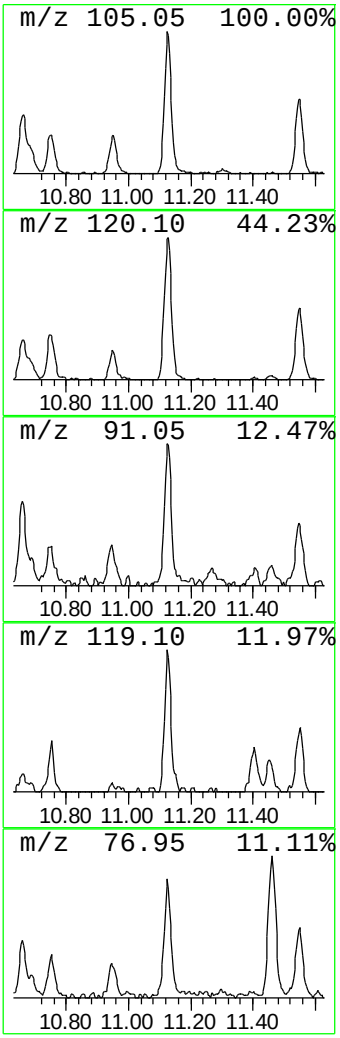
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	6.79 ug/L	206772	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	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034760.D
Acq On : 24 Sep 2019 02:00
Operator : JC/SP
Sample : K4932-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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

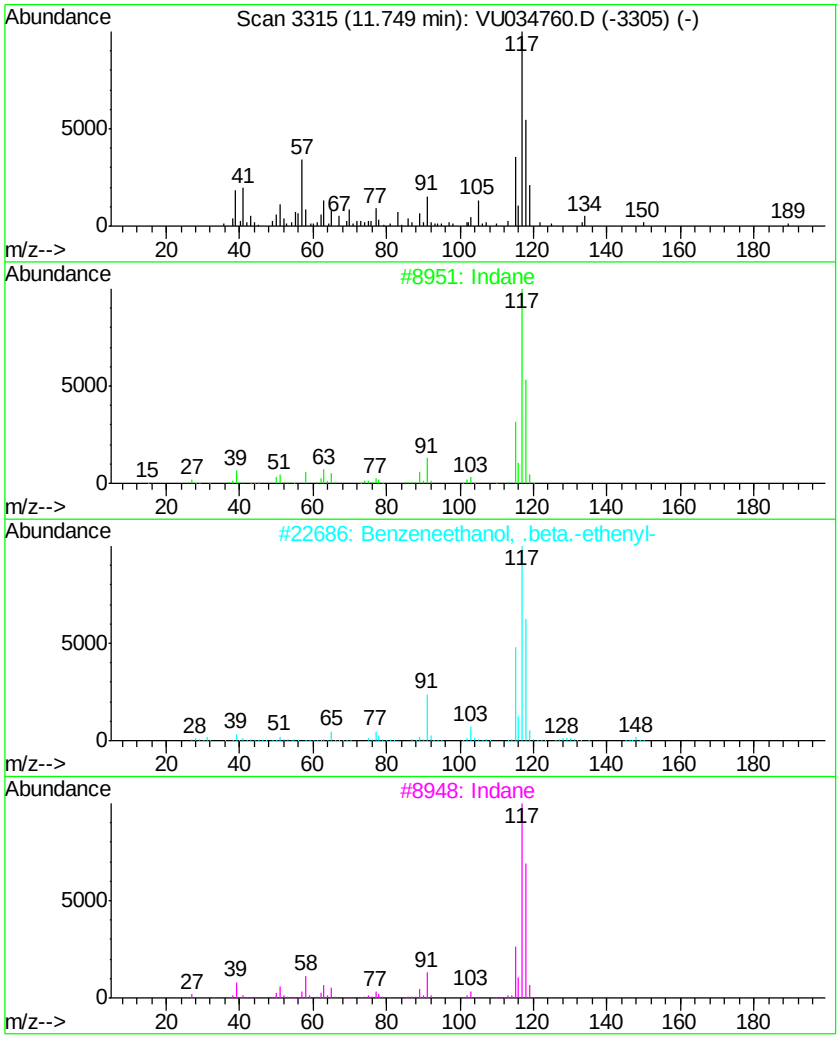
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

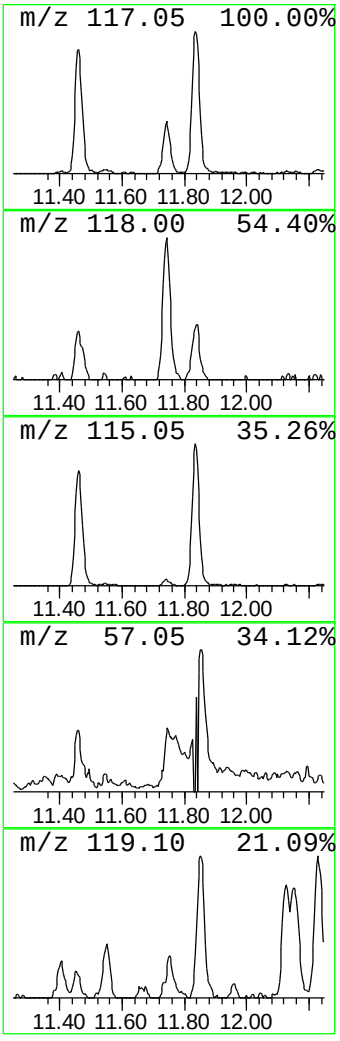
****

Peak Number 7 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.98 ug/L	90740	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	78
3	Indane	118	C9H10	000496-11-7	70
4	Indane	118	C9H10	000496-11-7	70
5	Deltacyclene	118	C9H10	007785-10-6	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034760.D
Acq On : 24 Sep 2019 02:00
Operator : JC/SP
Sample : K4932-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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

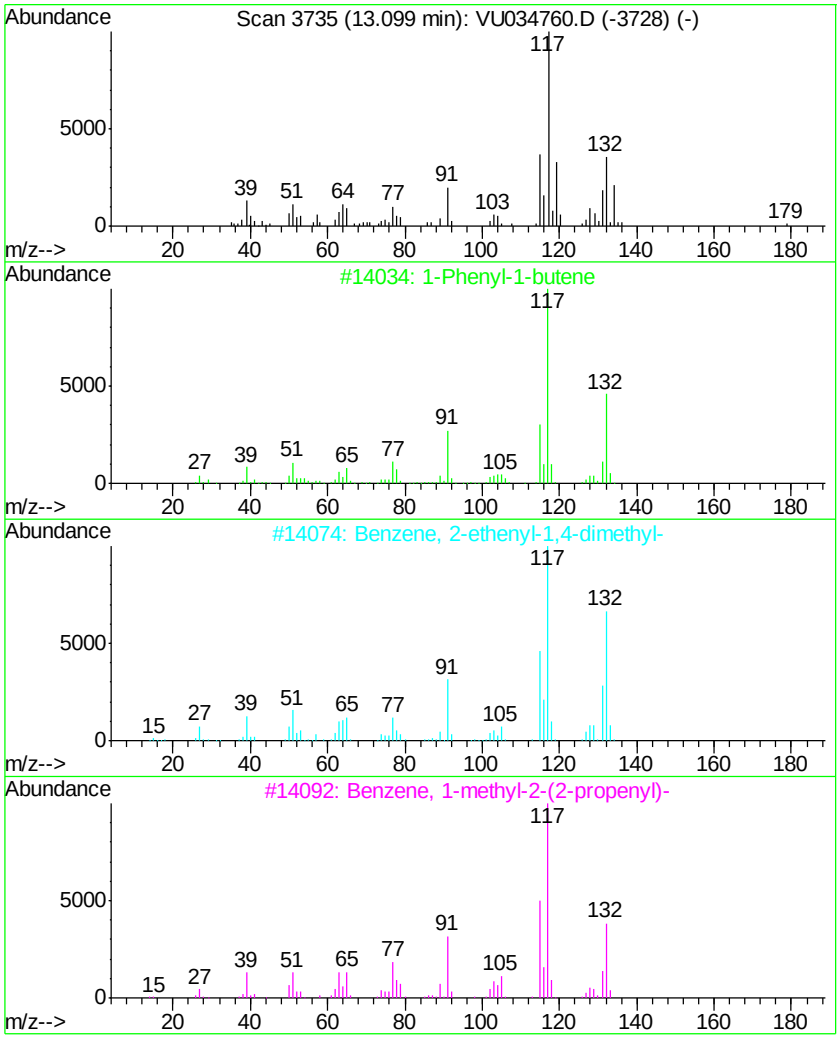
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

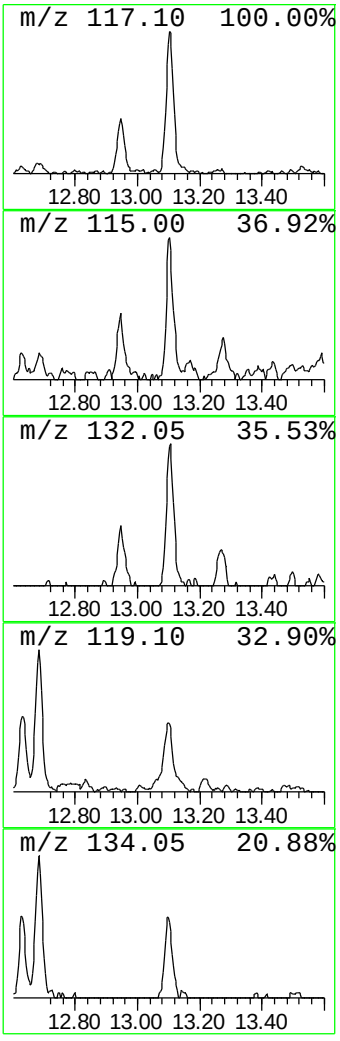
****

Peak Number 8 1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.74 ug/L	83534	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	78
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	74
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034760.D
Acq On : 24 Sep 2019 02:00
Operator : JC/SP
Sample : K4932-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDE8

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 Alcohol	2.43	4.2	ug/L	109664	1	5.86	1302260	50.0
unknown-01	7.21	20.1	ug/L	522318	1	5.86	1302260	50.0
2-Hexanol	7.90	3.9	ug/L	130256	2	9.07	1691410	50.0
Benzene, 1-ethyl-...	10.66	3.5	ug/L	104946	3	11.46	1522950	50.0
Benzene, 1,2,3-tr...	11.13	6.8	ug/L	206772	3	11.46	1522950	50.0
Indane	11.75	3.0	ug/L	90740	3	11.46	1522950	50.0
1-Phenyl-1-butene	13.10	2.7	ug/L	83534	3	11.46	1522950	50.0