LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

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\SOMULM101919WMA.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	1.372	5	10	17	rVB2	6989	6751	0.22%	0.025%
2	1.616	77	86	99	rBV	456129	508843	16.52%	1.907%
3	1.797	133	142	156	rBV2	19911	34112	1.11%	0.128%
4	1.932	175	184	205	rVB	366095	485024	15.74%	1.818%
5	2.594	377	390	405	rBV	673173	1119743	36.35%	4.196%
6	2.671	405	414	426	rVB	69085	113784	3.69%	0.426%
7	2.822	451	461	474	rVB2	6969	12996	0.42%	0.049%
8	3.086	530	543	565	rVB2	54878	106846	3.47%	0.400%
9	3.243	576	592	604	rBV3	25923	62578	2.03%	0.235%
10	3.398	634	640	644	rVV5	1057	1218	0.04%	0.005%
11	4.578	999	1007	1010	rBV5	1240	1755	0.06%	0.007%
12	4.697	1028	1044	1067	rBV	290994	707236	22.96%	2.650%
13	5.115	1156	1174	1196	rBV	545003	1195969	38.82%	4.482%
14	5.771	1351	1378	1412	rBV2	1177718	3080811	100.00%	11.546%
15	6.089	1472	1477	1484	rVB6	1521	1825	0.06%	0.007%
16	6.176	1502	1504	1510	rVB5	1826	1364	0.04%	0.005%
17	6.224	1517	1519	1526	rVB7	1884	1579	0.05%	0.006%
18	6.292	1526	1540	1566	rBV	954256	1818154	59.02%	6.814%
19	6.565	1617	1625	1627	rBV6	3056	3451	0.11%	0.013%
20	6.735	1660	1678	1696	rBV	703765	1382959	44.89%	5.183%
21	7.025	1762	1768	1770	rBV5	2292	2510	0.08%	0.009%
22	7.140	1798	1804	1809	rBV5	1299	1791	0.06%	0.007%
23	7.227	1823	1831	1840	rVB10	1690	3066	0.10%	0.011%
24	7.282	1840	1848	1850	rBV5	2085	2515	0.08%	0.009%
25	7.414	1878	1889	1898	rBV9	1903	4548	0.15%	0.017%
26	7.526	1915	1924	1934	rBV10	2492	5690	0.18%	0.021%
27	7.603	1934	1948	1967	rBV	413002	739760	24.01%	2.772%
28	7.845	2007	2023	2037	rBV	90795	171713	5.57%	0.644%
29	7.935	2038	2051	2066	rBV	1465151	2529518	82.11%	9.480%
30	8.163	2115	2122	2126	rBV7	2819	3958	0.13%	0.015%
31	8.214	2126	2138	2151	rVV	284799	488595	15.86%	1.831%
32	8.285	2151	2160	2206	rVB3	38267	134505	4.37%	0.504%
33	8.500	2221	2227	2233	rVB7	937	1177	0.04%	0.004%
34	8.565	2243	2247	2249	rBV4	1431	1217	0.04%	0.005%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

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\SOMULM101919WMA.M
Title : VOC Analysis

35	8.681	2270	2283	2327	rBV	745785	1579021	51.25%	5.918%
36	8.954	2359	2368	2380	rBV8	4359	8347	0.27%	0.031%
37	9.002	2380	2383	2392	rVV6	1301	1567	0.05%	0.006%
38	9.150	2421	2429	2436	rBV5	3628	4998	0.16%	0.019%
39	9.198	2436	2444	2451	rBV9	4902	9088	0.29%	0.034%
40	9.240	2451	2457	2466	rVB3	7974	12649	0.41%	0.047%
41	9.359	2486	2494	2506	rBV4	7168	11400	0.37%	0.043%
42	9.449	2508	2522	2557	rVB	1304776	2230047	72.39%	8.357%
43	9.600	2557	2569	2579	rBV	16921	28121	0.91%	0.105%
44	9.680	2588	2594	2595	rVV5	1790	2142	0.07%	0.008%
45	9.722	2596	2607	2617	rVV	38316	75159	2.44%	0.282%
46	9.770	2618	2622	2645	rVB5	15300	31944	1.04%	0.120%
47	9.899	2656	2662	2675	rVB10	2773	5998	0.19%	0.022%
48	9.979	2681	2687	2690	rBV4	1983	2053	0.07%	0.008%
49	10.044	2695	2707	2722	rBV10	11527	28105	0.91%	0.105%
50	10.131	2724	2734	2744	rBV	30391	56521	1.83%	0.212%
51	10.275	2762	2779	2791	rBV3	28430	56646	1.84%	0.212%
52	10.343	2793	2800	2802	rVV6	6354	8716	0.28%	0.033%
53	10.378	2803	2811	2817	rVV10	16263	31628	1.03%	0.119%
54	10.420	2818	2824	2836	rVB4	21052	34832	1.13%	0.131%
55	10.504	2840	2850	2860	rVB7	7866	17619	0.57%	0.066%
56	10.581	2860	2874	2884	rBV7	15936	36153	1.17%	0.135%
57	10.648	2889	2895	2900	rBV4	6909	9380	0.30%	0.035%
58	10.722	2915	2918	2921	rBV3	1587	1246	0.04%	0.005%
59	10.787	2925	2938	2969	rVB	937259	1587796	51.54%	5.951%
60	10.931	2975	2983	2990	rBV	8785	14807	0.48%	0.055%
61	10.979	2991	2998	3002	rBV5	7336	10343	0.34%	0.039%
62	11.028	3005	3013	3025	rBV2	23887	54166	1.76%	0.203%
63	11.089	3026	3032	3036	rBV4	15708	21556	0.70%	0.081%
64	11.137	3042	3047	3063	rVB4	52339	100009	3.25%	0.375%
65	11.214	3066	3071	3074	rBV7	3951	4568	0.15%	0.017%
66	11.266	3080	3087	3095	rBV4	11284	17956	0.58%	0.067%
67	11.323	3095	3105	3114	rBV3	26137	58484	1.90%	0.219%
68	11.397	3125	3128	3133	rBV5	5029	5313	0.17%	0.020%
69	11.439	3135	3141	3148	rVV2	30251	39459	1.28%	0.148%
70	11.494	3149	3158	3179	rVB	77815	152510	4.95%	0.572%
71	11.610	3184	3194	3202	rBV5	17374	40626	1.32%	0.152%

LSC Area Percent Report

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Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

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\SOMULM101919WMA.M
Title : VOC Analysis

72	11.735	3225	3233	3239	rBV3	22018	33246	1.08%	0.125%
73	11.841	3254	3266	3281	rBV	1103543	1885275	61.19%	7.065%
74	11.922	3283	3291	3305	rVB	37852	68989	2.24%	0.259%
75	12.095	3339	3345	3348	rBV2	17792	23322	0.76%	0.087%
76	12.121	3349	3353	3361	rVB2	21908	29359	0.95%	0.110%
77	12.221	3371	3384	3400	rVB	1240594	2129493	69.12%	7.981%
78	12.346	3416	3423	3433	rVV2	43067	66082	2.14%	0.248%
79	12.404	3436	3441	3455	rVB6	30340	61614	2.00%	0.231%
80	12.494	3460	3469	3472	rBV2	22101	33917	1.10%	0.127%
81	12.597	3496	3501	3509	rVB	23631	31371	1.02%	0.118%
82	12.706	3532	3535	3546	rVB3	11726	14000	0.45%	0.052%
83	12.860	3578	3583	3590	rVB5	19496	25143	0.82%	0.094%
84	12.950	3604	3611	3617	rBV5	19290	31677	1.03%	0.119%
85	12.995	3619	3625	3634	rVB2	28658	44460	1.44%	0.167%
86	13.053	3635	3643	3648	rBV	33192	56044	1.82%	0.210%
87	13.317	3717	3725	3736	rVB5	26414	47726	1.55%	0.179%
88	13.478	3755	3775	3789	rBV5	59570	142014	4.61%	0.532%
89	13.648	3823	3828	3853	rVB5	33712	81949	2.66%	0.307%
90	13.767	3855	3865	3873	rBV10	16782	36634	1.19%	0.137%
91	13.860	3886	3894	3910	rBV3	21357	46539	1.51%	0.174%
92	13.973	3922	3929	3941	rVB7	14620	30999	1.01%	0.116%
93	14.111	3964	3972	3990	rVB	99893	181139	5.88%	0.679%
94	14.468	4079	4083	4089	rBV3	10892	12084	0.39%	0.045%
95	14.690	4144	4152	4165	rBV6	23385	47689	1.55%	0.179%
96	14.835	4192	4197	4204	rVB4	10033	12764	0.41%	0.048%
97	14.902	4212	4218	4227	rVB6	15710	23884	0.78%	0.090%
98	15.246	4315	4325	4336	rVB	107641	170174	5.52%	0.638%
99	15.433	4374	4383	4398	rVB	92840	156283	5.07%	0.586%
100	16.433	4687	4694	4700	rBV3	21431	30993	1.01%	0.116%

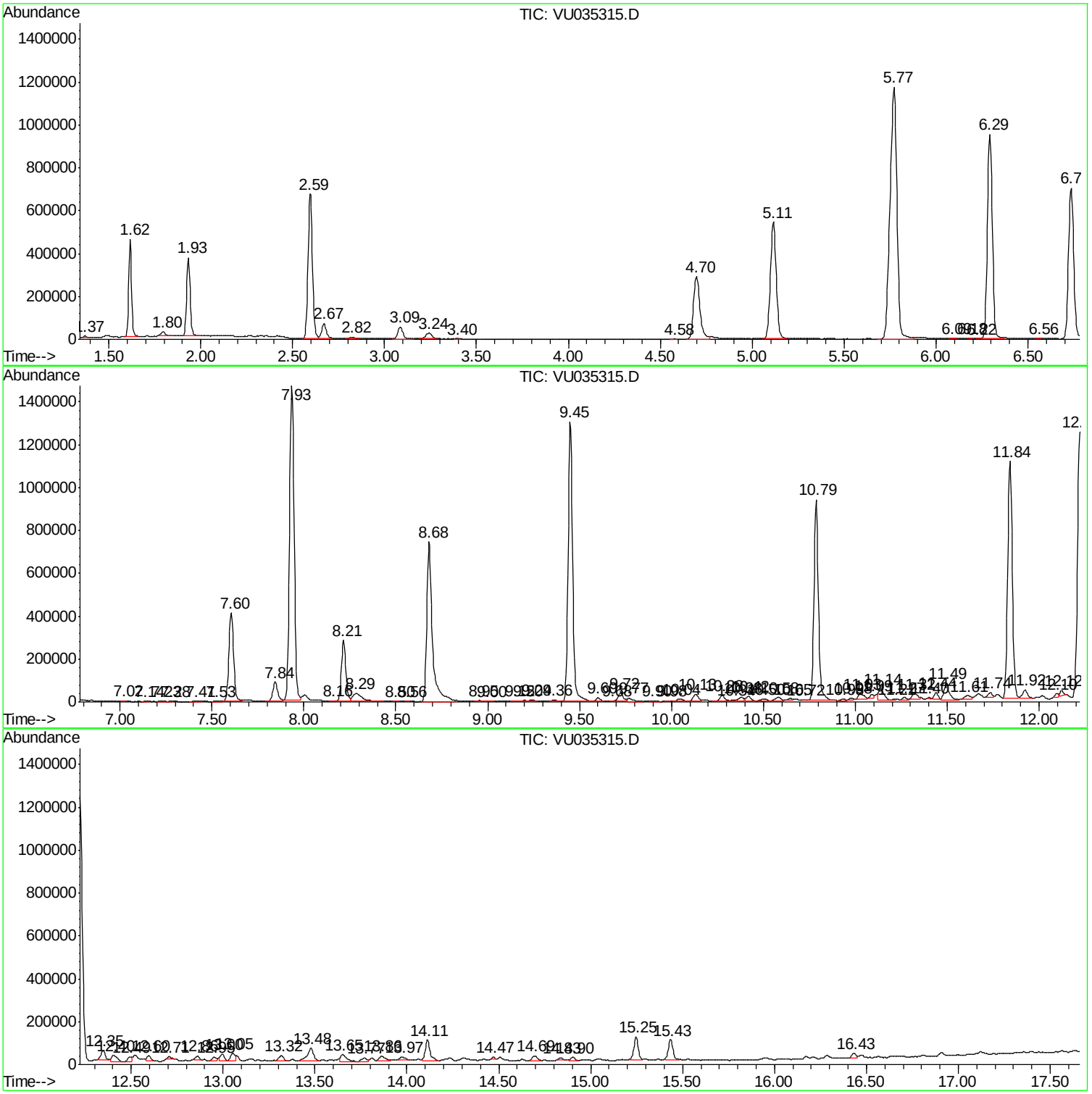
Sum of corrected areas: 26683397

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

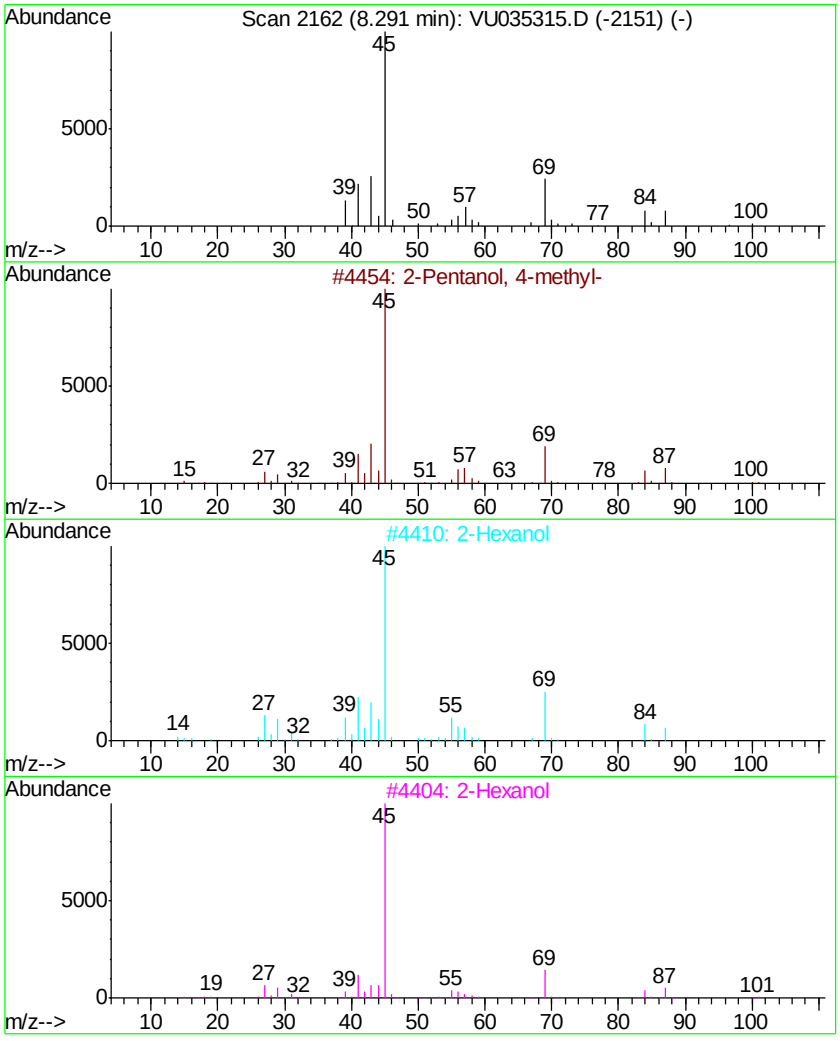
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

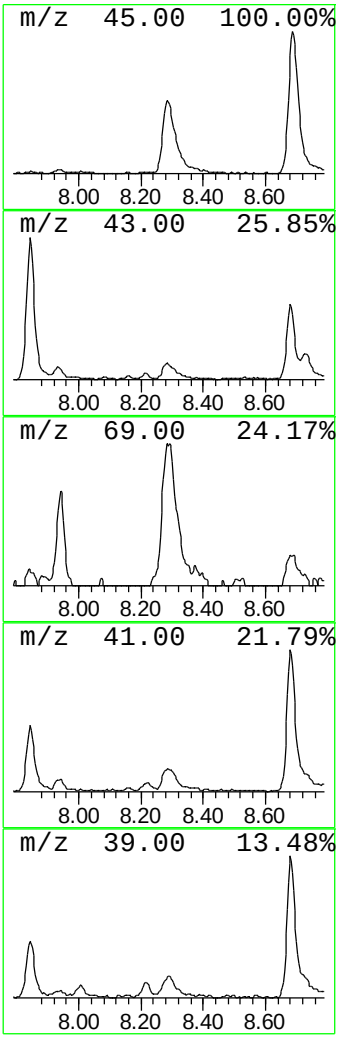
****

Peak Number 2 2-Pentanol, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	3.02 ug/L	134505	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	72
3	2-Hexanol	102	C6H14O	000626-93-7	72
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	56
5	2-Octanol	130	C8H18O	000123-96-6	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

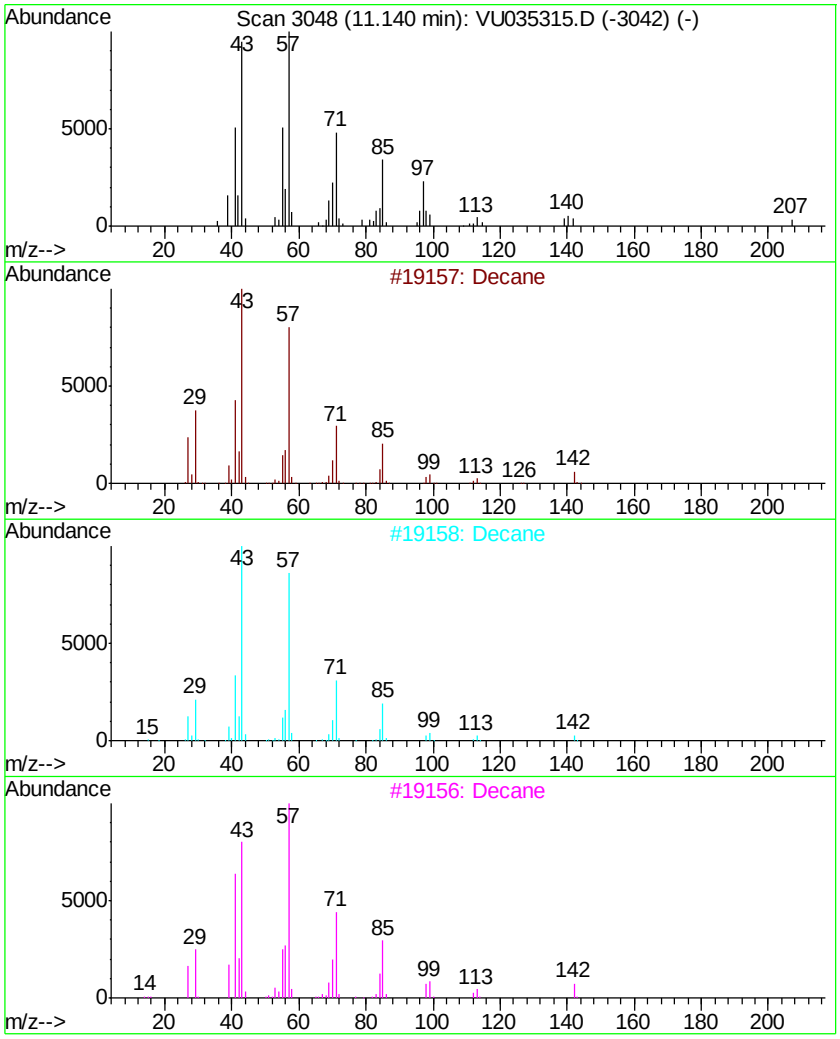
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

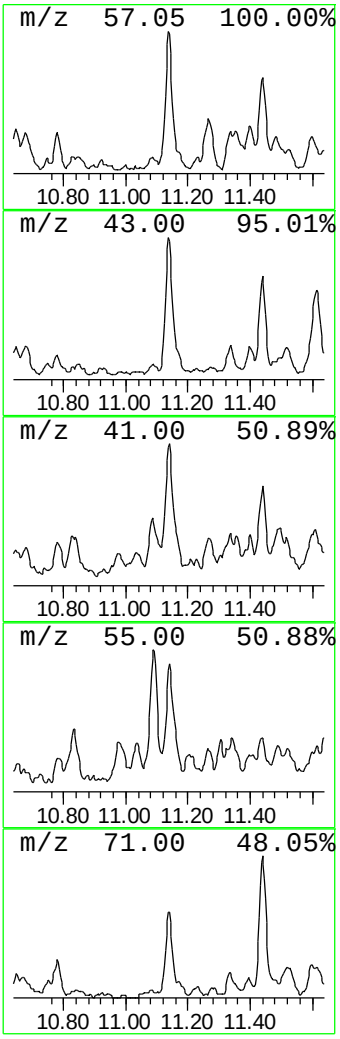
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.65 ug/L	100009	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	81
2	Decane	142	C10H22	000124-18-5	76
3	Decane	142	C10H22	000124-18-5	74
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
5	Tridecane	184	C13H28	000629-50-5	53





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Instrument : MSVOA_U
ClientSampleId : BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

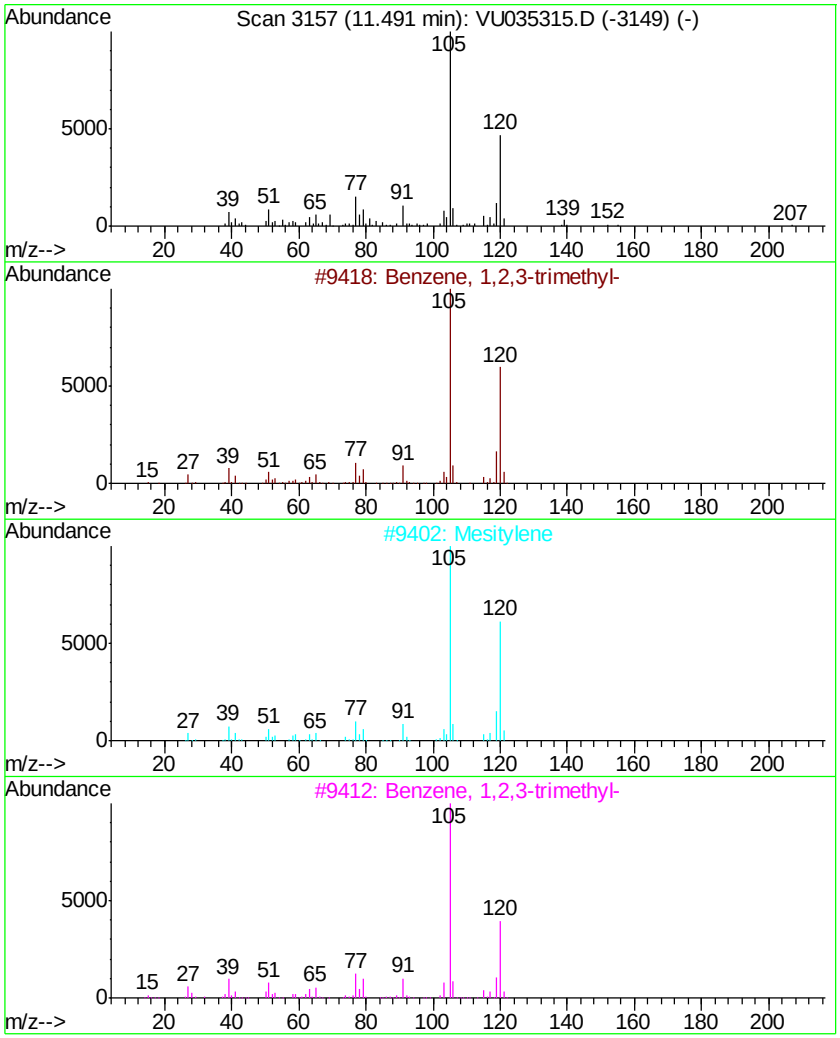
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

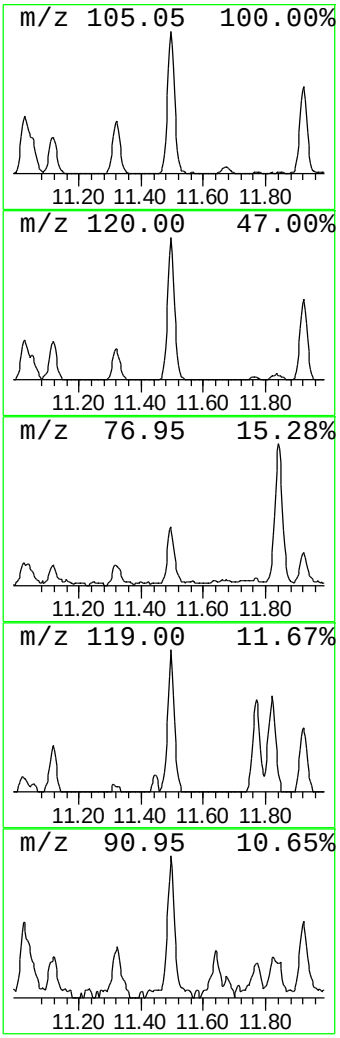
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	4.04 ug/L	152510	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	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





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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

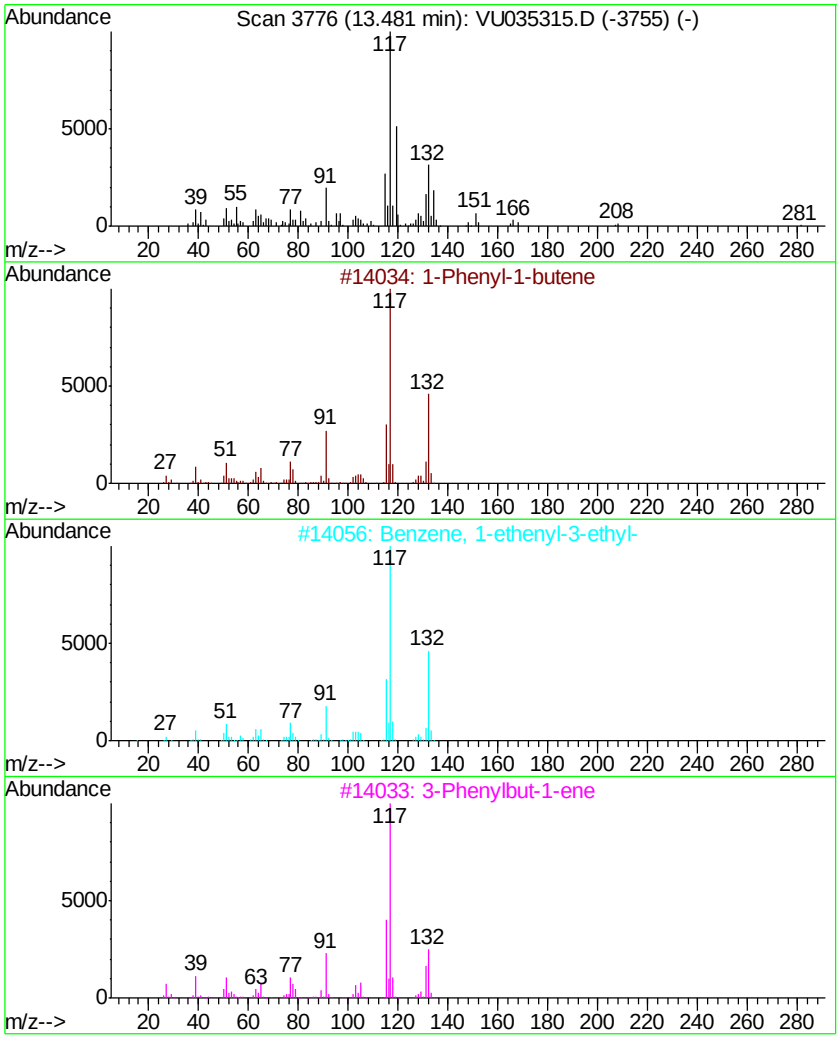
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

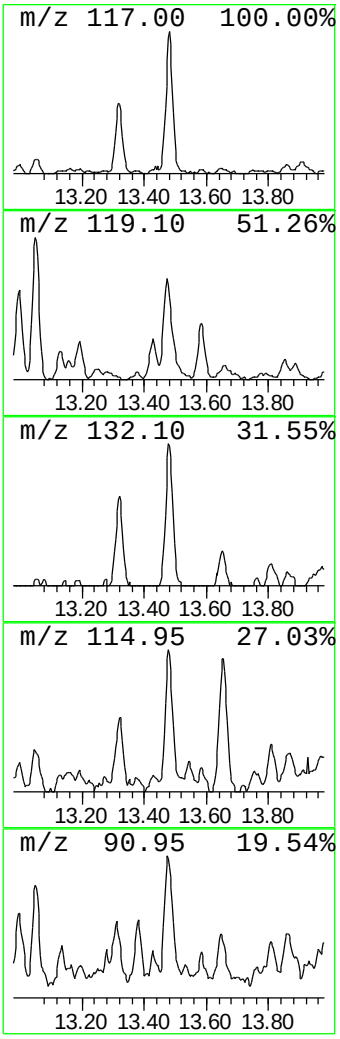
****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	3.77 ug/L	142014	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	96
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis

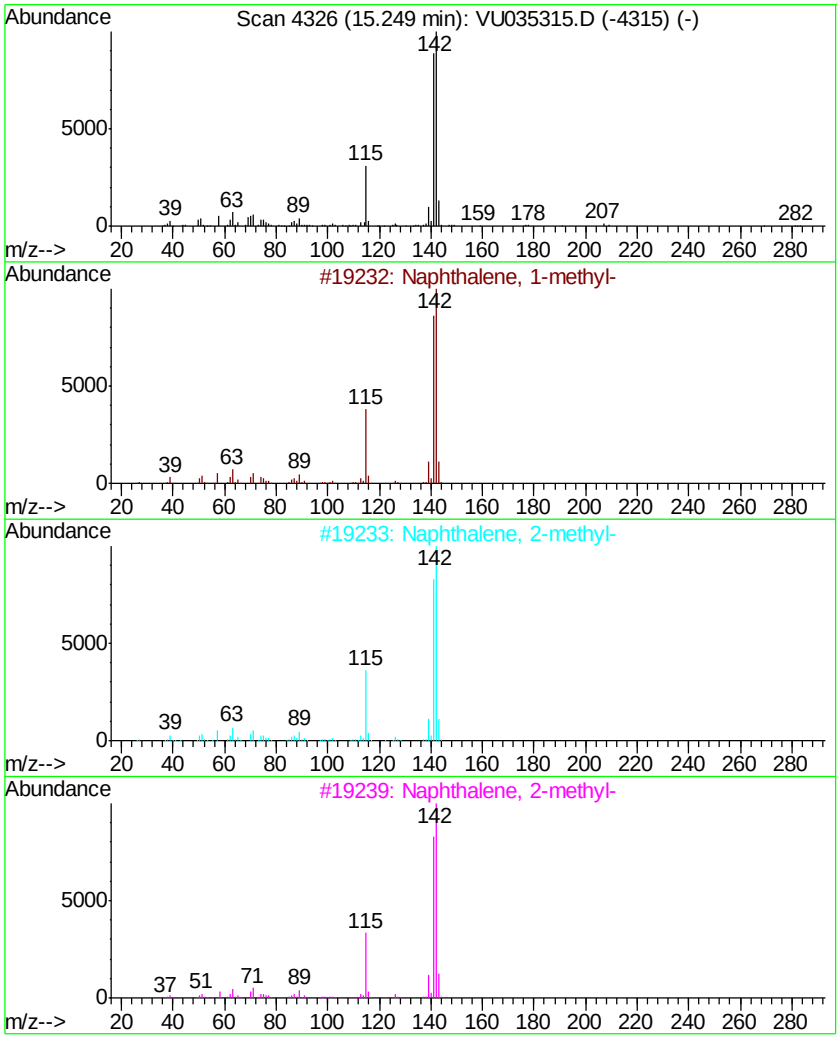
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

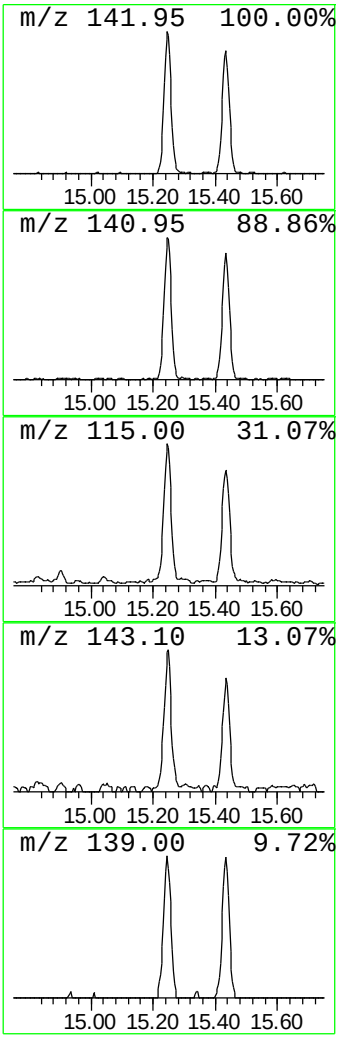
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	4.51 ug/L	170174	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
Data File : VU035315.D
Acq On : 19 Oct 2019 13:51
Operator : JC/SP
Sample : K5344-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6L6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.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
2-Pentanol, 4-met...	8.29	3.0	ug/L	134505	2	9.45	2230050	50.0
(DEL) Alkane: Str...	11.14	2.6	ug/L	100009	3	11.84	1885280	50.0
Benzene, 1,2,3-tr...	11.49	4.0	ug/L	152510	3	11.84	1885280	50.0
1-Phenyl-1-butene	13.48	3.8	ug/L	142014	3	11.84	1885280	50.0
Naphthalene, 1-me...	15.25	4.5	ug/L	170174	3	11.84	1885280	50.0