LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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	1.177	20	27	40	rBV	39409	39845	0.01%	0.009%
2	1.254	45	51	55	rBV	16174	16151	0.01%	0.004%
3	1.280	55	59	62	rVV2	5557	5285	0.00%	0.001%
4	1.299	62	65	69	rVB2	6074	4369	0.00%	0.001%
5	1.341	74	78	79	rBV3	3420	2409	0.00%	0.001%
6	1.392	85	94	111	rBV	411612	456597	0.17%	0.107%
7	1.466	111	117	124	rVB	28220	31917	0.01%	0.007%
8	1.547	139	142	151	rVB3	16360	18850	0.01%	0.004%
9	1.672	173	181	197	rBV	243276	318838	0.12%	0.074%
10	1.749	197	205	219	rVB2	128177	175038	0.06%	0.041%
11	1.884	238	247	260	rBV4	32857	73275	0.03%	0.017%
12	1.948	262	267	272	rBV3	8941	11428	0.00%	0.003%
13	2.180	329	339	353	rBV2	43718	75303	0.03%	0.018%
14	2.276	353	369	413	rVV3	55345399	102932710	38.07%	24.034%
15	2.440	415	420	448	rVB	51603	117024	0.04%	0.027%
16	2.698	487	500	523	rBV2	340356	704221	0.26%	0.164%
17	2.987	577	590	614	rVB5	85597	219018	0.08%	0.051%
18	3.080	615	619	625	rVB6	1790	1695	0.00%	0.000%
19	3.128	630	634	639	rBV5	2421	2361	0.00%	0.001%
20	3.302	682	688	695	rVB7	1590	2338	0.00%	0.001%
21	3.440	711	731	758	rBV	654326	1569620	0.58%	0.366%
22	3.607	781	783	790	rVB5	1583	1336	0.00%	0.000%
23	3.852	852	859	861	rBV5	1664	1831	0.00%	0.000%
24	3.993	886	903	920	rBV6	12889	41141	0.02%	0.010%
25	4.090	922	933	936	rBV5	9528	15546	0.01%	0.004%
26	4.218	948	973	1019	rBV2	1280627	3814610	1.41%	0.891%
27	4.646	1089	1106	1136	rVV3	360779	1091082	0.40%	0.255%
28	4.797	1150	1153	1159	rVB5	1279	1335	0.00%	0.000%
29	4.916	1168	1190	1203	rBV	479614	1468269	0.54%	0.343%
30	5.090	1234	1244	1253	rBV7	13656	33923	0.01%	0.008%
31	5.241	1288	1291	1296	rBV5	1392	1318	0.00%	0.000%
32	5.350	1297	1325	1345	rBV3	538225	2423870	0.90%	0.566%
33	5.472	1346	1363	1390	rVB3	1014760	4192951	1.55%	0.979%
34	5.903	1479	1497	1529	rBV2	341785	1455323	0.54%	0.340%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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	6.035	1536	1538	1543	rVB5	2120	1452	0.00%	0.000%
36	6.276	1564	1613	1614	rBV9	213089532	270351935	100.00%	63.126%
37	6.424	1654	1659	1670	rVB	880168	1183802	0.44%	0.276%
38	6.633	1715	1724	1750	rVB	569141	1073312	0.40%	0.251%
39	6.942	1813	1820	1831	rVB3	36793	70404	0.03%	0.016%
40	7.064	1847	1858	1869	rBV3	44547	85804	0.03%	0.020%
41	7.238	1901	1912	1927	rBV2	310778	542997	0.20%	0.127%
42	7.569	1996	2015	2026	rBV	1030308	1774615	0.66%	0.414%
43	7.640	2026	2037	2056	rVB	4281907	7105315	2.63%	1.659%
44	7.852	2094	2103	2117	rBV	221339	394224	0.15%	0.092%
45	7.919	2120	2124	2129	rVV6	20462	29563	0.01%	0.007%
46	7.961	2132	2137	2148	rVB6	27199	40521	0.01%	0.009%
47	8.067	2156	2170	2186	rBV	881717	1508251	0.56%	0.352%
48	8.167	2191	2201	2210	rVV	92186	166200	0.06%	0.039%
49	8.228	2210	2220	2236	rVB	535810	888289	0.33%	0.207%
50	8.312	2236	2246	2283	rBV	692899	1309328	0.48%	0.306%
51	8.492	2293	2302	2309	rVV10	12706	24152	0.01%	0.006%
52	8.546	2313	2319	2327	rVB8	9246	14352	0.01%	0.003%
53	8.852	2408	2414	2415	rBV5	2965	2394	0.00%	0.001%
54	9.025	2457	2468	2476	rBV3	22033	39682	0.01%	0.009%
55	9.090	2476	2488	2511	rVV	1100046	1805819	0.67%	0.422%
56	9.250	2527	2538	2554	rBV	1031834	1645419	0.61%	0.384%
57	9.373	2558	2576	2594	rBV	5294857	8552347	3.16%	1.997%
58	9.575	2634	2639	2641	rBV6	2000	2079	0.00%	0.000%
59	9.656	2657	2664	2671	rBV9	6090	9117	0.00%	0.002%
60	9.778	2686	2702	2730	rBV	2210760	3500455	1.29%	0.817%
61	9.958	2748	2758	2767	rBV	8750	14827	0.01%	0.003%
62	10.038	2777	2783	2803	rVB	11942	30655	0.01%	0.007%
63	10.167	2819	2823	2831	rVB	36423	47064	0.02%	0.011%
64	10.218	2833	2839	2852	rVB2	17621	29274	0.01%	0.007%
65	10.427	2892	2904	2919	rBV	681853	1095748	0.41%	0.256%
66	10.588	2950	2954	2957	rBV3	7020	6815	0.00%	0.002%
67	10.681	2974	2983	2999	rBV3	15686	30718	0.01%	0.007%
68	10.829	3024	3029	3034	rBV8	2480	2770	0.00%	0.001%
69	10.974	3064	3074	3083	rBV4	13557	20770	0.01%	0.005%
70	11.077	3103	3106	3111	rVV7	3120	3140	0.00%	0.001%
71	11.147	3120	3128	3138	rBV3	13352	21721	0.01%	0.005%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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	11.331	3177	3185	3192	rVB10	6691	9828	0.00%	0.002%
73	11.382	3195	3201	3204	rBV8	3661	4588	0.00%	0.001%
74	11.482	3220	3232	3252	rBV	1093040	1761393	0.65%	0.411%
75	11.569	3255	3259	3265	rVB5	6615	7945	0.00%	0.002%
76	11.765	3309	3320	3333	rBV4	28825	64284	0.02%	0.015%
77	11.858	3336	3349	3372	rVV	935604	1546660	0.57%	0.361%
78	12.057	3402	3411	3417	rBV10	3082	4906	0.00%	0.001%
79	12.144	3434	3438	3444	rBV7	2997	3620	0.00%	0.001%
80	12.353	3491	3503	3517	rBV3	24202	45958	0.02%	0.011%
81	12.450	3530	3533	3536	rBV3	2394	1689	0.00%	0.000%
82	12.485	3536	3544	3545	rVV8	2578	3393	0.00%	0.001%
83	12.649	3591	3595	3602	rVB6	5974	7364	0.00%	0.002%
84	12.704	3607	3612	3619	rVB8	4747	7330	0.00%	0.002%
85	12.961	3685	3692	3700	rBV4	8356	14193	0.01%	0.003%
86	13.122	3733	3742	3751	rVV3	14223	24196	0.01%	0.006%
87	13.395	3824	3827	3830	rBV3	1845	1325	0.00%	0.000%
88	13.450	3840	3844	3845	rBV3	3157	1690	0.00%	0.000%
89	13.514	3860	3864	3870	rVV7	2807	3081	0.00%	0.001%
90	13.572	3879	3882	3885	rBV4	1891	1531	0.00%	0.000%
91	13.736	3931	3933	3936	rBV3	2138	1702	0.00%	0.000%
92	14.067	4032	4036	4041	rBV6	1442	1534	0.00%	0.000%
93	14.154	4061	4063	4067	rVV2	2275	1627	0.00%	0.000%
94	14.195	4074	4076	4080	rVB4	1906	1305	0.00%	0.000%
95	14.826	4267	4272	4274	rBV3	1460	1422	0.00%	0.000%
96	15.334	4426	4430	4432	rBV3	1963	1464	0.00%	0.000%
97	15.456	4464	4468	4470	rBV5	1775	1663	0.00%	0.000%
98	15.951	4619	4622	4625	rBV3	1742	1320	0.00%	0.000%
99	16.057	4650	4655	4657	rBV4	2117	1727	0.00%	0.000%
100	16.514	4794	4797	4800	rBV3	1907	1431	0.00%	0.000%

Sum of corrected areas: 428276326

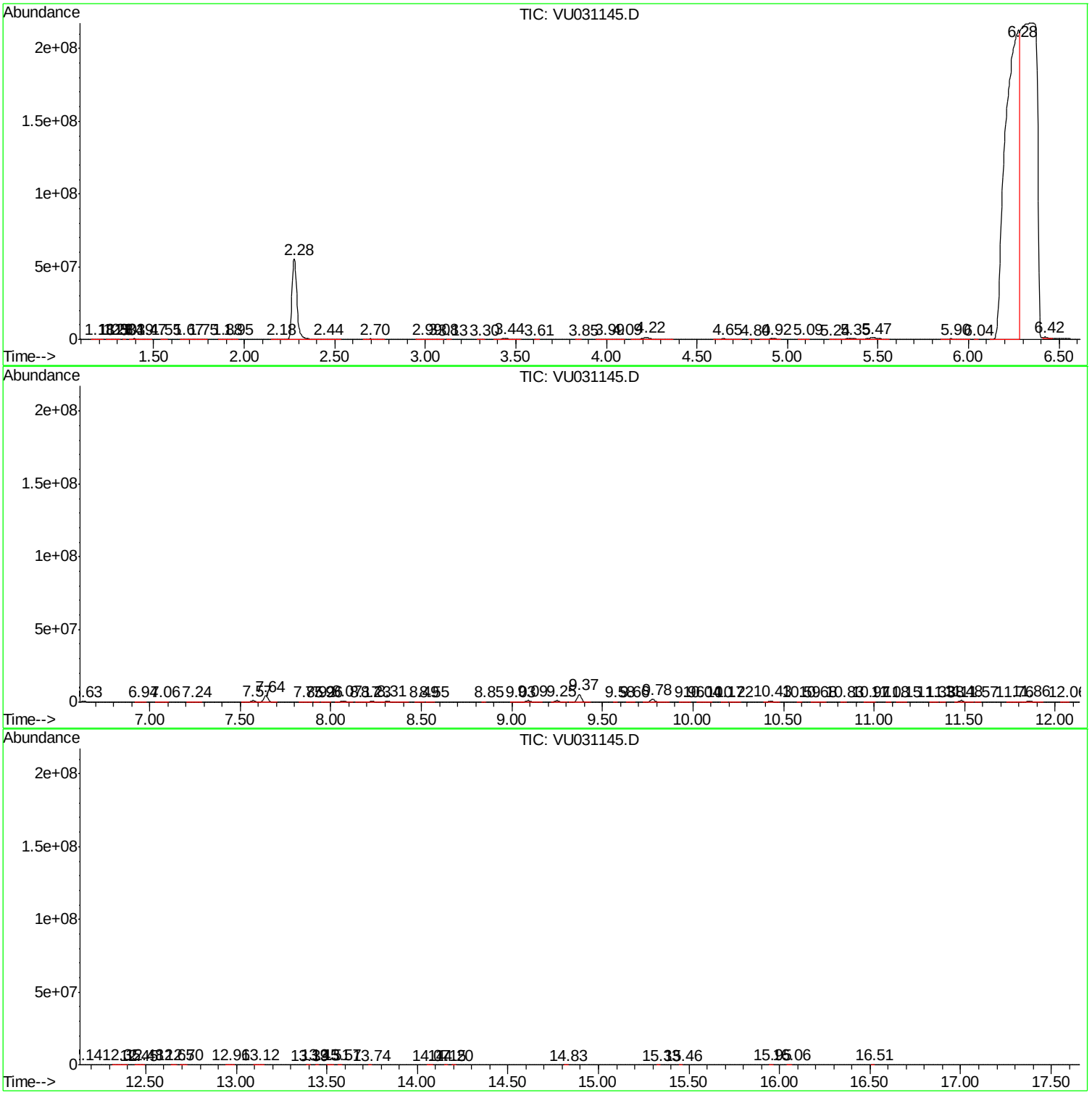
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

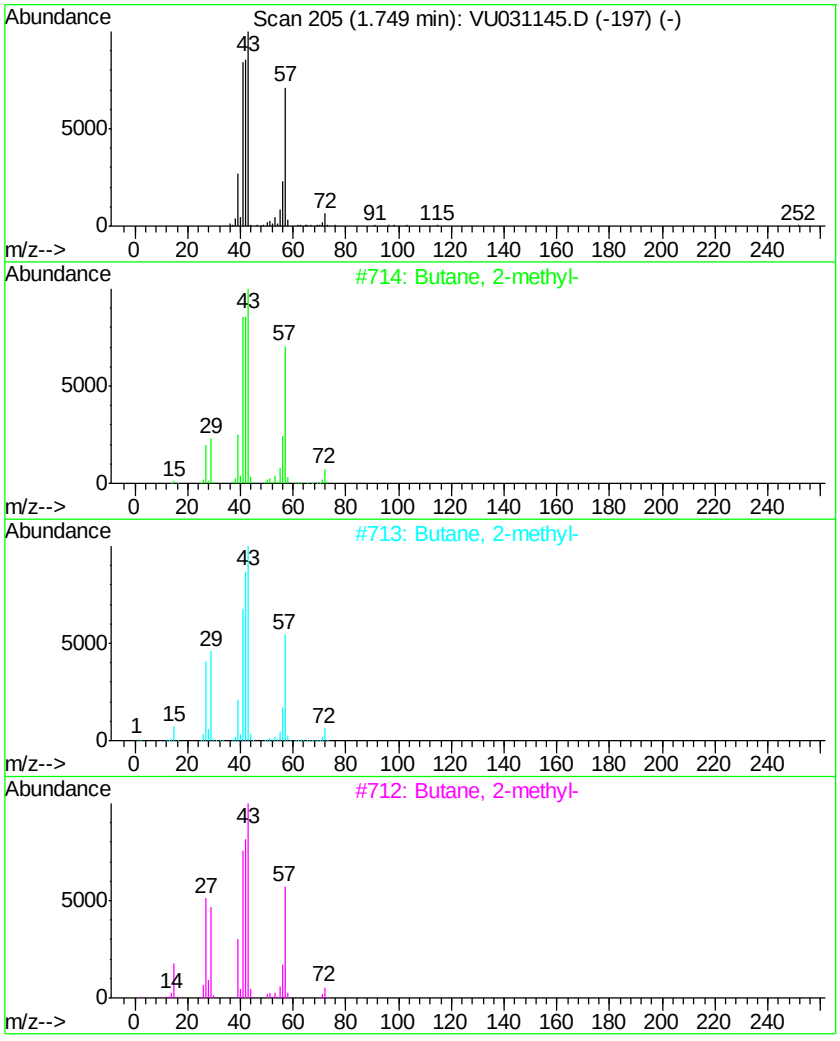
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

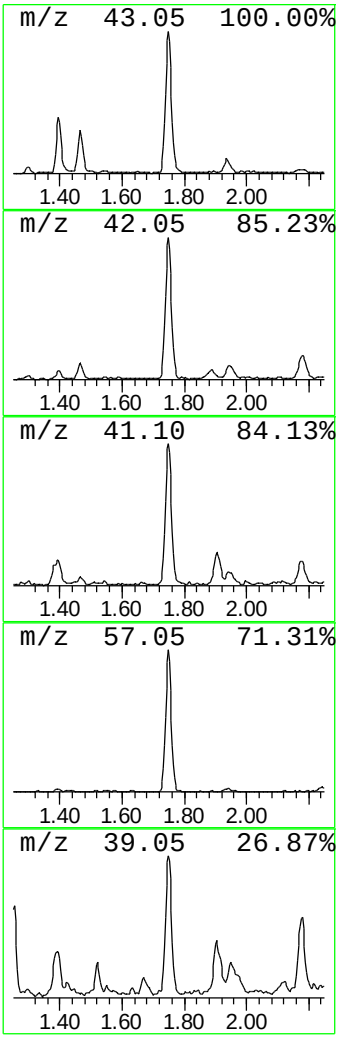
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	6.01 ug/L	175038	1,4-Difluorobenzene	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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

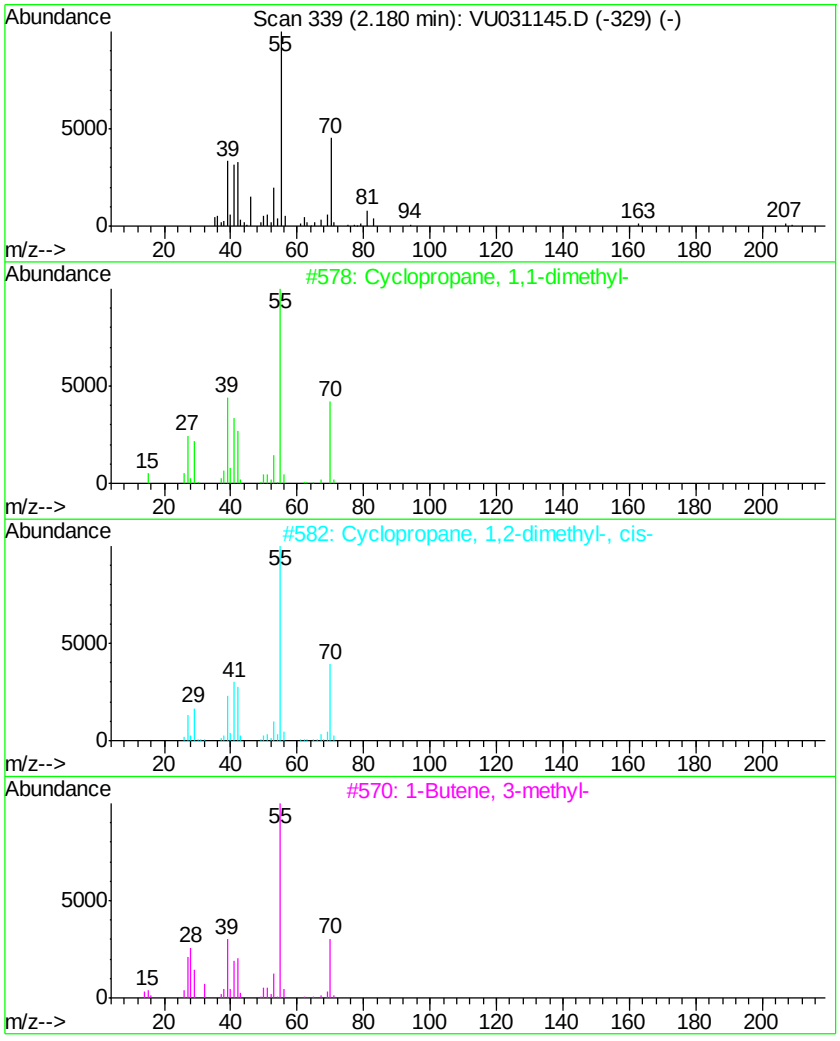
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

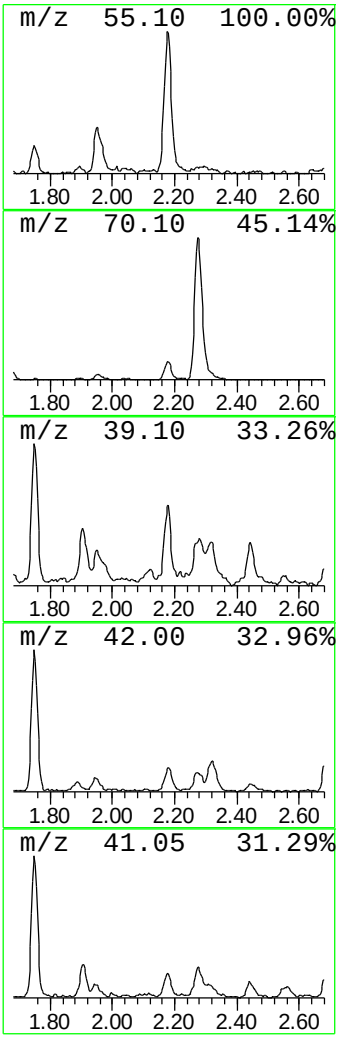
****

Peak Number 2 (DEL) Alkane: Cyclic2.18 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	2.59 ug/L	75303	1,4-Difluorobenzene	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	62
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	58
4	2-Pentene, (E)-	70	C5H10	000646-04-8	58
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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

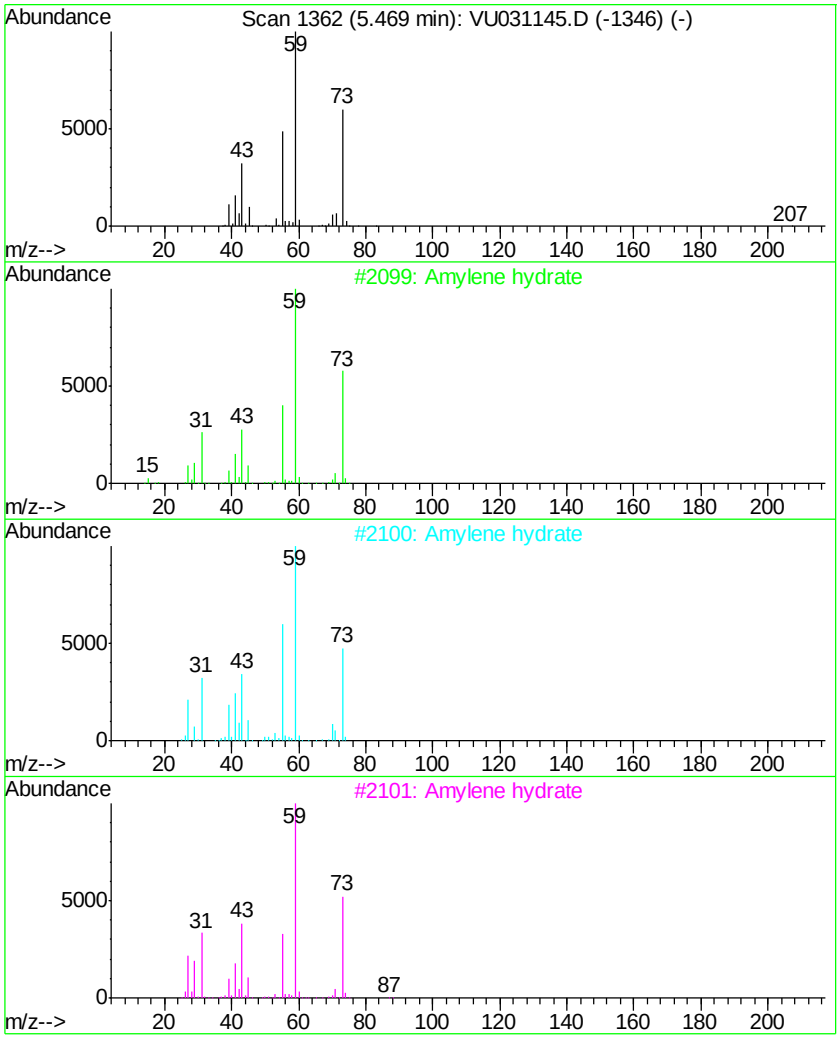
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

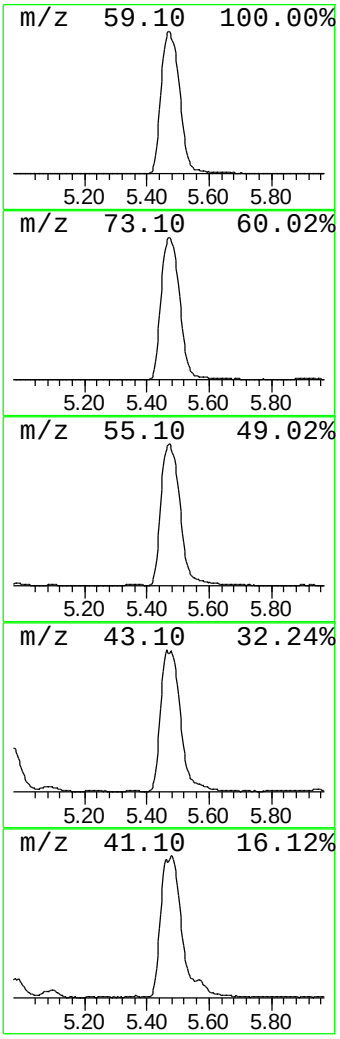
****

Peak Number 4 Amylene hydrate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	144.06 ug/L	4192950	1,4-Difluorobenzene	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	83
2	Amylene hydrate	88	C5H12O	000075-85-4	83
3	Amylene hydrate	88	C5H12O	000075-85-4	72
4	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	33
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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

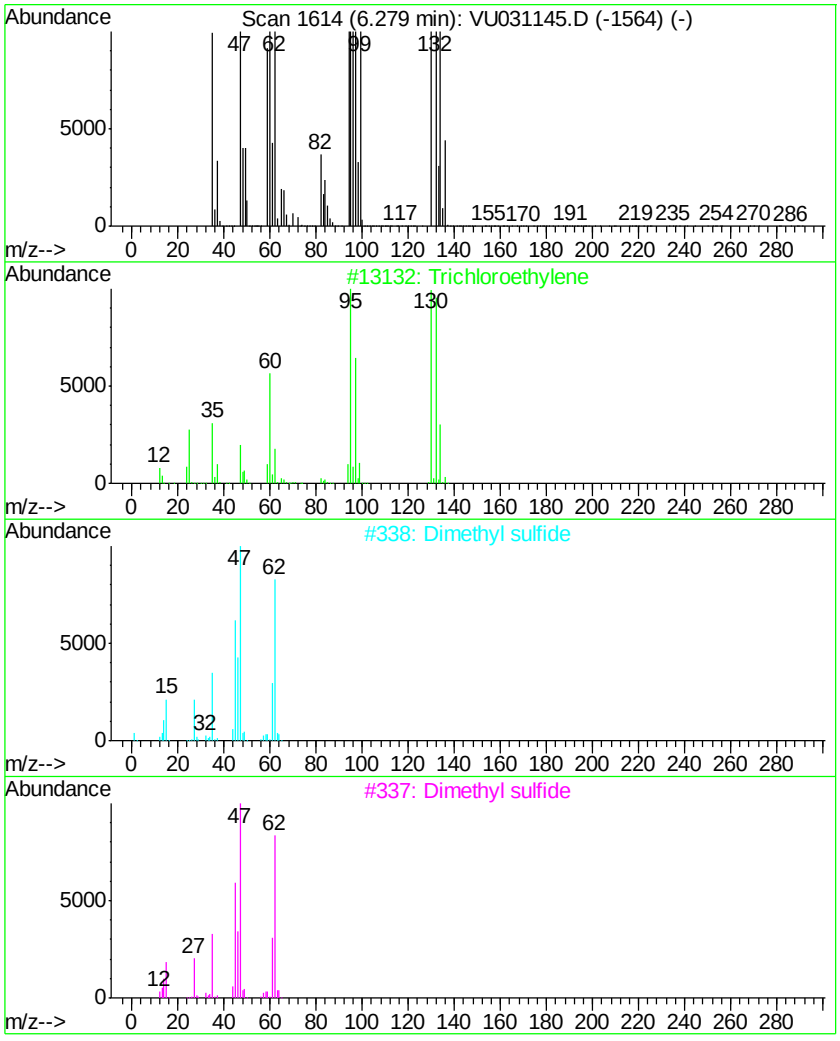
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

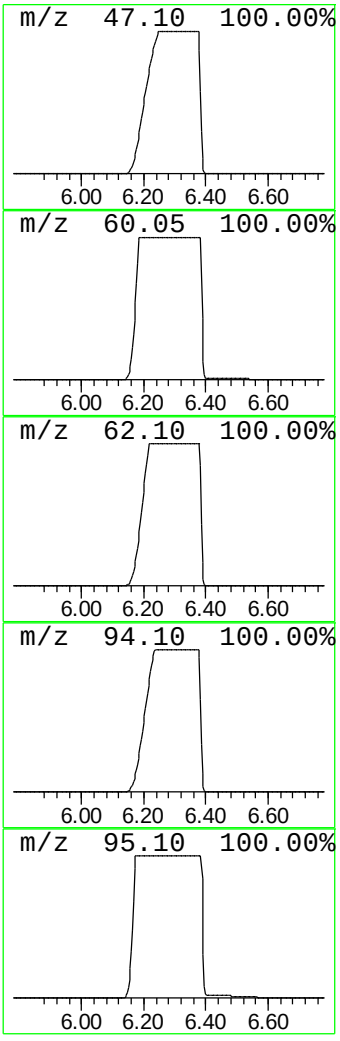
****

Peak Number 5 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	9288.38 ug/L	270352000	1,4-Difluorobenzene	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroethylene	130	C2HCl3	000079-01-6	43
2	Dimethyl sulfide	62	C2H6S	000075-18-3	25
3	Dimethyl sulfide	62	C2H6S	000075-18-3	22
4	Dimethyl sulfide	62	C2H6S	000075-18-3	22
5	Dimethyl sulfide	62	C2H6S	000075-18-3	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

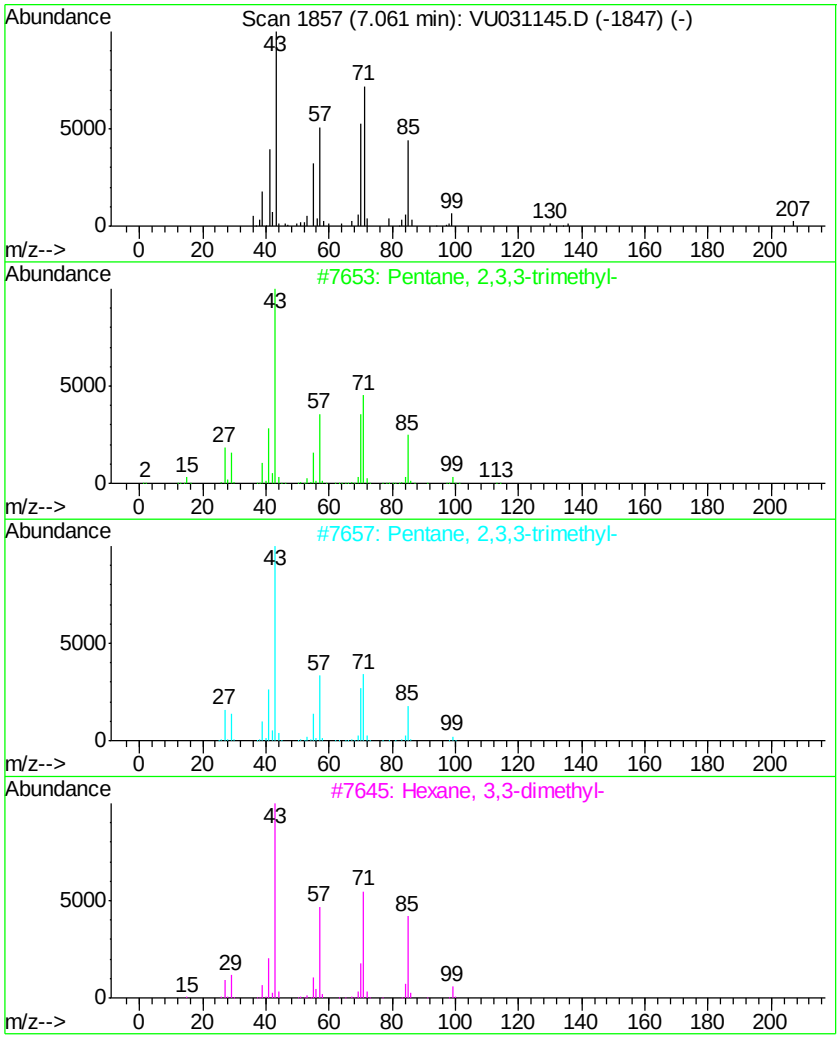
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

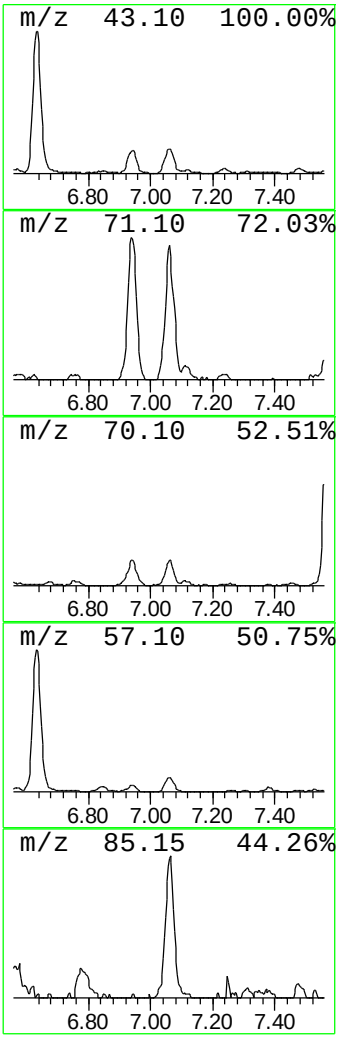
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	2.95 ug/L	85804	1,4-Difluorobenzene	5.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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

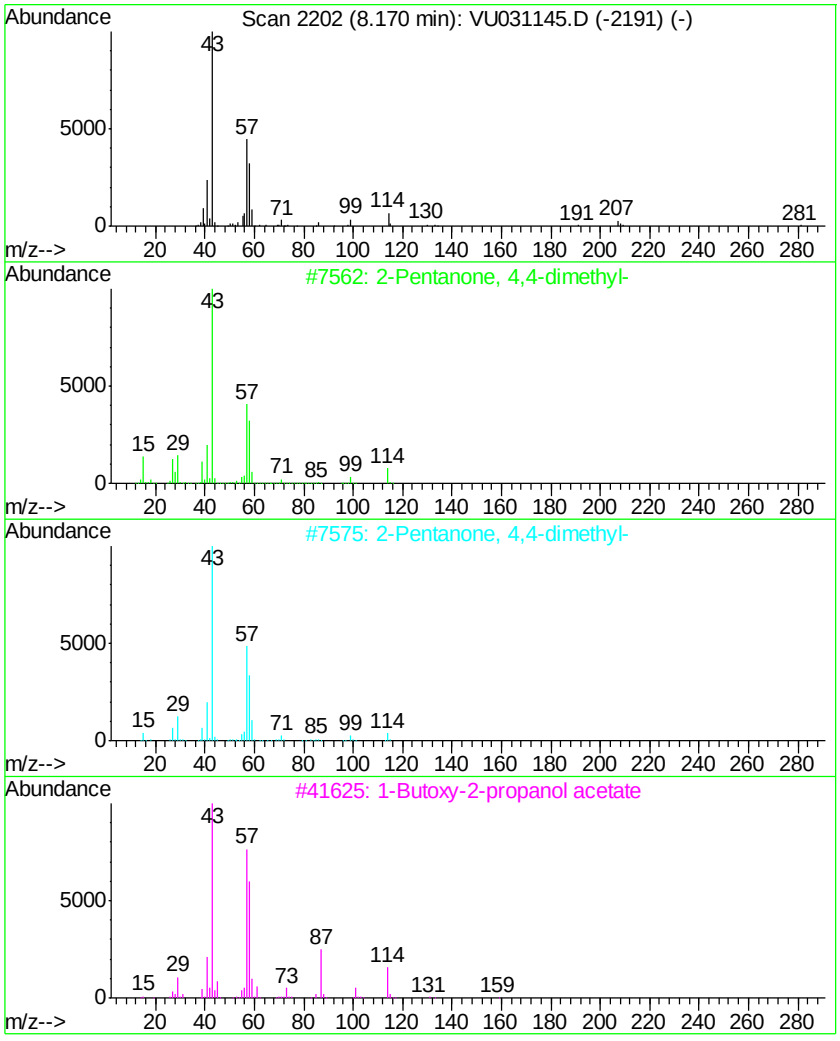
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

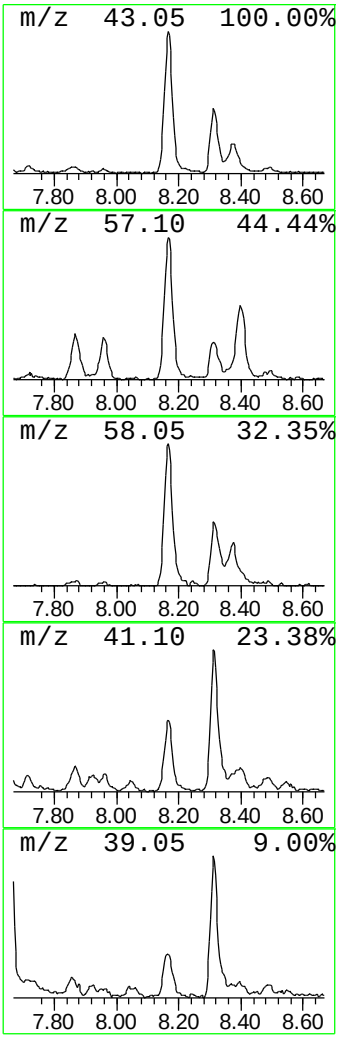
****

Peak Number 9 2-Pentanone, 4,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	4.60 ug/L	166200	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	87
2	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	87
3	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	50
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	45
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041219\
Data File : VU031145.D
Acq On : 12 Apr 2019 21:40
Operator : JC/SP
Sample : K2339-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFC35

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
(DEL) Alkane: Str...	1.75	6.0	ug/L	175038	1	5.90	1455320	50.0
(DEL) Alkane: Cyc...	2.18	2.6	ug/L	75303	1	5.90	1455320	50.0
Amylene hydrate	5.47	144.1	ug/L	4192950	1	5.90	1455320	50.0
unknown-01	6.28	9288.4	ug/L	270352000	1	5.90	1455320	50.0
(DEL) Alkane: Str...	7.06	3.0	ug/L	85804	1	5.90	1455320	50.0
2-Pentanone, 4,4-...	8.17	4.6	ug/L	166200	2	9.09	1805820	50.0