LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
Data File : VU034787.D
Acq On : 24 Sep 2019 21:30
Operator : JC/SP
Sample : K4948-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDN5

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	20	27	37	rBV	145640	144168	4.69%	0.590%
2	1.296	60	64	68	rBV3	7547	6399	0.21%	0.026%
3	1.392	85	94	107	rBV	351091	398852	12.97%	1.631%
4	1.466	112	117	125	rVV	10596	12385	0.40%	0.051%
5	1.511	128	131	133	rVV3	7582	6379	0.21%	0.026%
6	1.540	134	140	151	rVB3	37014	52154	1.70%	0.213%
7	1.672	172	181	197	rBV	272412	359236	11.68%	1.469%
8	1.894	245	250	257	rVB5	8963	11331	0.37%	0.046%
9	1.932	258	262	268	rBV5	7198	8668	0.28%	0.035%
10	2.257	352	363	374	rVB	508974	768666	24.99%	3.143%
11	2.428	405	416	432	rVV	45171	87117	2.83%	0.356%
12	2.637	479	481	487	rVB6	2139	1722	0.06%	0.007%
13	2.675	490	493	495	rBV4	2370	1567	0.05%	0.006%
14	2.820	525	538	551	rVB	16103	36359	1.18%	0.149%
15	2.981	573	588	600	rBV3	18179	39294	1.28%	0.161%
16	3.183	647	651	659	rVV8	2954	3445	0.11%	0.014%
17	3.469	735	740	748	rVB6	2102	2609	0.08%	0.011%
18	4.148	939	951	961	rBV	266490	655220	21.30%	2.679%
19	4.620	1082	1098	1119	rBV2	401903	964723	31.36%	3.945%
20	4.714	1124	1127	1132	rVB7	2718	2477	0.08%	0.010%
21	4.839	1163	1166	1171	rBV7	1729	1677	0.05%	0.007%
22	5.315	1289	1314	1344	rBV2	861221	2563893	83.35%	10.484%
23	5.653	1413	1419	1426	rBV10	1514	1866	0.06%	0.008%
24	5.862	1471	1484	1504	rBV	738181	1614218	52.48%	6.601%
25	6.164	1568	1578	1594	rVB2	90258	181353	5.90%	0.742%
26	6.309	1608	1623	1645	rBV	586358	1182476	38.44%	4.835%
27	6.511	1683	1686	1697	rVB	3605	5042	0.16%	0.021%
28	6.755	1758	1762	1766	rBV6	1557	1590	0.05%	0.007%
29	7.161	1879	1888	1891	rBV6	5065	7485	0.24%	0.031%
30	7.206	1891	1902	1923	rVV2	338473	616435	20.04%	2.521%
31	7.543	1989	2007	2028	rBV	1151792	2045255	66.49%	8.363%
32	7.829	2078	2096	2128	rBV	230025	449587	14.62%	1.838%
33	8.206	2190	2213	2229	rBV	1797231	3076152	100.00%	12.579%
34	8.289	2229	2239	2272	rVB	872896	1577234	51.27%	6.450%

LSC Area Percent Report

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Sample : K4948-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDN5

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	8.514	2307	2309	2317	rVB6	3144	3667	0.12%	0.015%
36	8.582	2324	2330	2340	rVB6	6907	8876	0.29%	0.036%
37	8.733	2369	2377	2384	rVB6	3354	4922	0.16%	0.020%
38	8.791	2389	2395	2397	rBV5	7104	7321	0.24%	0.030%
39	8.887	2418	2425	2438	rVB4	22044	36680	1.19%	0.150%
40	9.013	2453	2464	2470	rBV4	20306	36100	1.17%	0.148%
41	9.067	2470	2481	2499	rVV	1002932	1696008	55.13%	6.935%
42	9.225	2525	2530	2532	rBV4	2682	2611	0.08%	0.011%
43	9.334	2546	2564	2571	rBV4	8296	24695	0.80%	0.101%
44	9.382	2571	2579	2584	rVV5	11409	20306	0.66%	0.083%
45	9.424	2584	2592	2607	rVB2	48993	83908	2.73%	0.343%
46	9.697	2663	2677	2686	rBV9	14607	32490	1.06%	0.133%
47	9.759	2693	2696	2699	rBV4	1782	1530	0.05%	0.006%
48	9.794	2702	2707	2715	rVB9	5842	8198	0.27%	0.034%
49	9.929	2731	2749	2759	rBV2	22137	42151	1.37%	0.172%
50	9.974	2759	2763	2765	rBV4	2971	2543	0.08%	0.010%
51	10.019	2769	2777	2786	rVV7	20270	41230	1.34%	0.169%
52	10.067	2788	2792	2804	rVB5	12291	18332	0.60%	0.075%
53	10.132	2804	2812	2823	rVB9	4639	9385	0.31%	0.038%
54	10.196	2826	2832	2833	rBV4	4427	4166	0.14%	0.017%
55	10.234	2840	2844	2850	rVB4	7801	8986	0.29%	0.037%
56	10.302	2852	2865	2870	rBV5	17239	29747	0.97%	0.122%
57	10.331	2870	2874	2885	rVB4	12858	17649	0.57%	0.072%
58	10.408	2885	2898	2912	rBV	798421	1321542	42.96%	5.404%
59	10.588	2946	2954	2956	rBV8	7328	9199	0.30%	0.038%
60	10.678	2972	2982	2988	rBV8	5759	9805	0.32%	0.040%
61	10.726	2989	2997	3008	rBV5	20085	35616	1.16%	0.146%
62	10.794	3009	3018	3027	rVB3	57353	90014	2.93%	0.368%
63	10.906	3049	3053	3056	rBV4	3879	3297	0.11%	0.013%
64	10.984	3073	3077	3087	rVB9	9630	15564	0.51%	0.064%
65	11.022	3087	3089	3091	rBV3	2653	1678	0.05%	0.007%
66	11.048	3091	3097	3104	rBV9	5277	8633	0.28%	0.035%
67	11.090	3104	3110	3117	rBV2	19401	26383	0.86%	0.108%
68	11.231	3149	3154	3155	rBV4	2581	1992	0.06%	0.008%
69	11.254	3155	3161	3165	rBV7	4849	5996	0.19%	0.025%
70	11.286	3165	3171	3172	rBV5	3748	3632	0.12%	0.015%
71	11.315	3177	3180	3189	rVB8	10089	12261	0.40%	0.050%

LSC Area Percent Report

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Sample : K4948-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDN5

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	11.376	3190	3199	3206	rBV4	21056	35035	1.14%	0.143%
73	11.459	3214	3225	3248	rBV	920031	1523991	49.54%	6.232%
74	11.585	3261	3264	3266	rBV4	6942	4865	0.16%	0.020%
75	11.739	3310	3312	3316	rBV4	2851	2860	0.09%	0.012%
76	11.787	3322	3327	3328	rBV5	3664	2936	0.10%	0.012%
77	11.836	3331	3342	3363	rVV	1035023	1706107	55.46%	6.977%
78	12.006	3388	3395	3402	rVB4	27747	37734	1.23%	0.154%
79	12.160	3440	3443	3450	rVB6	11054	11182	0.36%	0.046%
80	12.488	3536	3545	3556	rVB8	21751	38774	1.26%	0.159%
81	12.591	3568	3577	3583	rBV7	19853	31944	1.04%	0.131%
82	12.701	3602	3611	3624	rVB7	17298	36255	1.18%	0.148%
83	12.951	3680	3689	3701	rVB7	7808	16239	0.53%	0.066%
84	13.012	3701	3708	3709	rBV6	7963	7259	0.24%	0.030%
85	13.106	3729	3737	3752	rBV6	21959	51948	1.69%	0.212%
86	13.260	3778	3785	3792	rBV7	18417	30748	1.00%	0.126%
87	13.437	3833	3840	3848	rBV7	10955	15649	0.51%	0.064%
88	13.488	3852	3856	3860	rVV6	3682	3874	0.13%	0.016%
89	13.765	3935	3942	3950	rBV9	14215	22178	0.72%	0.091%
90	13.929	3987	3993	4002	rBV9	11816	25436	0.83%	0.104%
91	13.974	4004	4007	4017	rVB5	16500	23782	0.77%	0.097%
92	14.263	4091	4097	4105	rVB5	13787	21662	0.70%	0.089%
93	14.588	4192	4198	4203	rBV10	8085	12963	0.42%	0.053%
94	14.842	4272	4277	4285	rVB4	26314	33741	1.10%	0.138%
95	14.990	4320	4323	4327	rBV5	10494	9390	0.31%	0.038%
96	15.389	4441	4447	4459	rVB5	14987	31334	1.02%	0.128%
97	15.643	4521	4526	4533	rBV7	22905	31817	1.03%	0.130%
98	15.794	4565	4573	4578	rBV8	29776	45500	1.48%	0.186%
99	15.909	4604	4609	4620	rVB9	28713	45838	1.49%	0.187%
100	15.974	4625	4629	4634	rBV5	15727	19386	0.63%	0.079%

Sum of corrected areas: 24454574

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092419\
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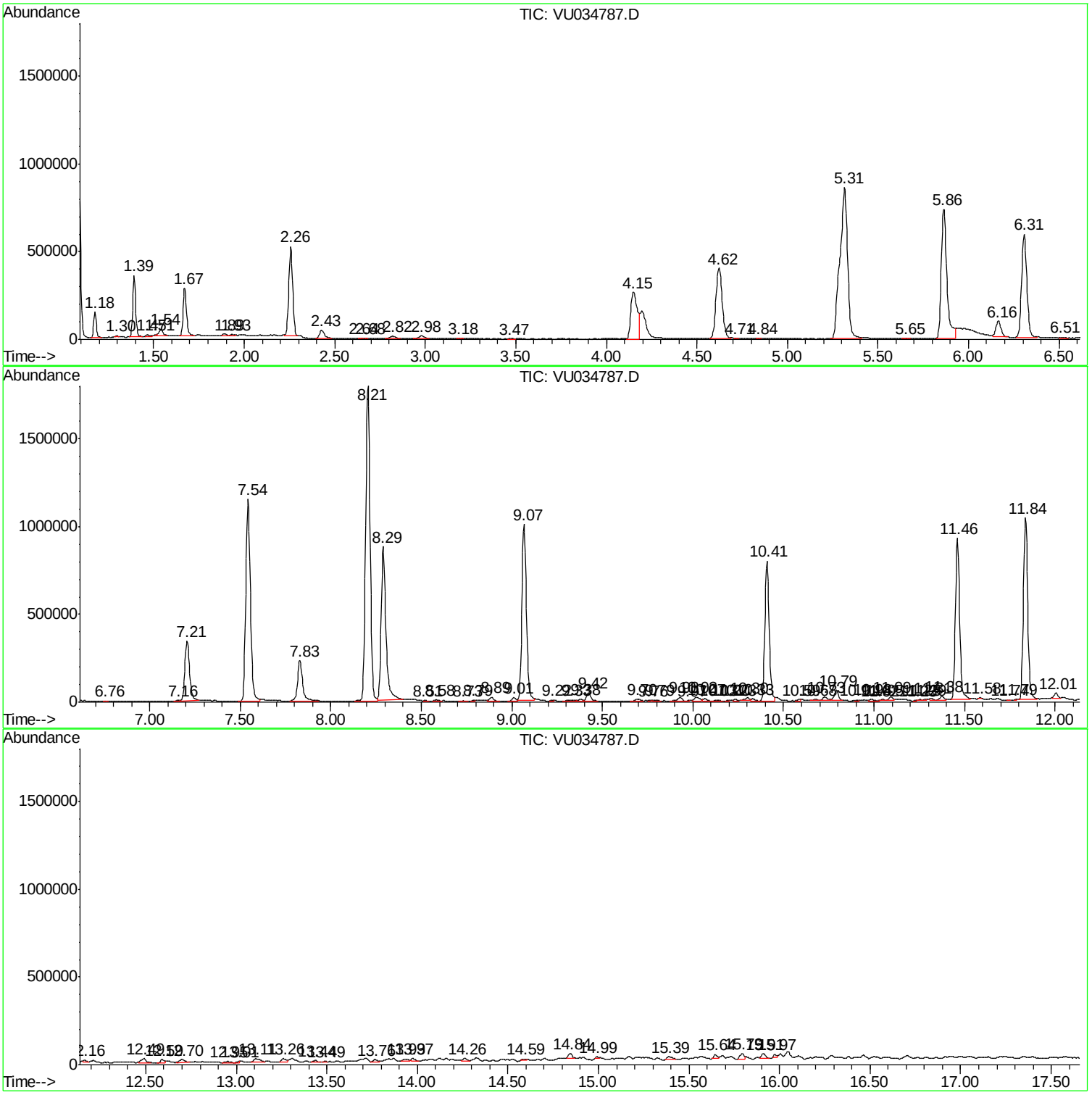
Sample : K4948-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEDN5

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



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

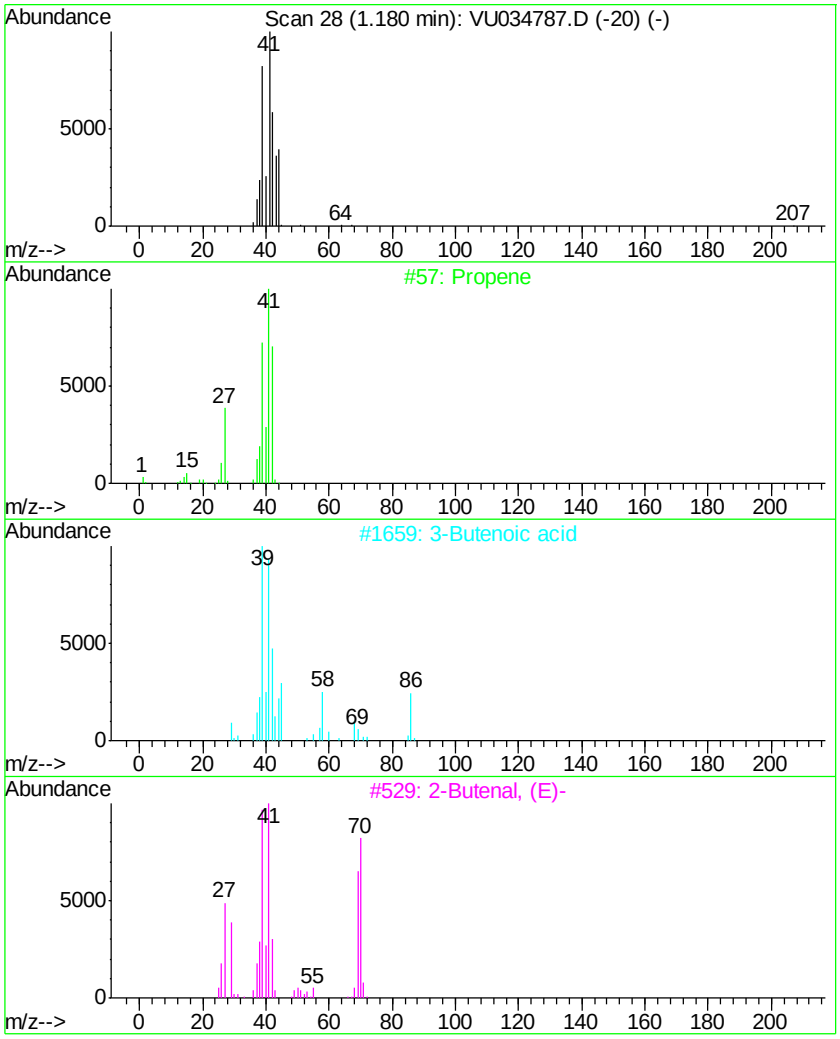
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

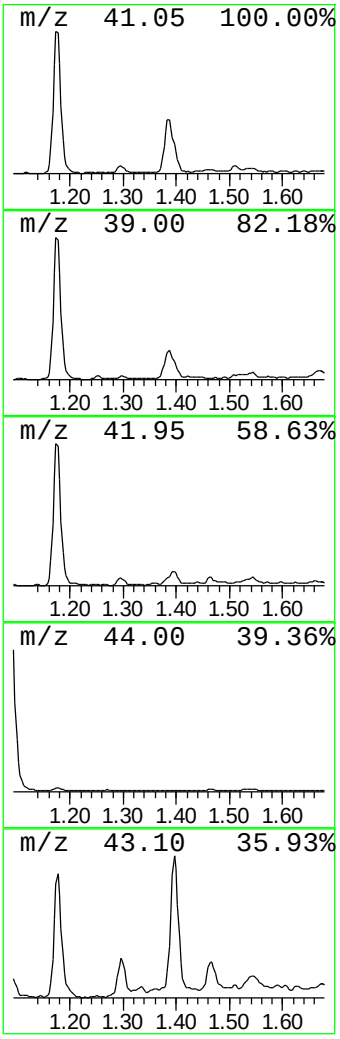
****

Peak Number 1 (DEL) Alkane: Cyclic1.18 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	4.47 ug/L	144168	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	3-Butenoic acid	86	C4H6O2	000625-38-7	78
3	2-Butenal, (E)-	70	C4H6O	000123-73-9	78
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	78
5	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	64





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ClientSampleId : BEDN5

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

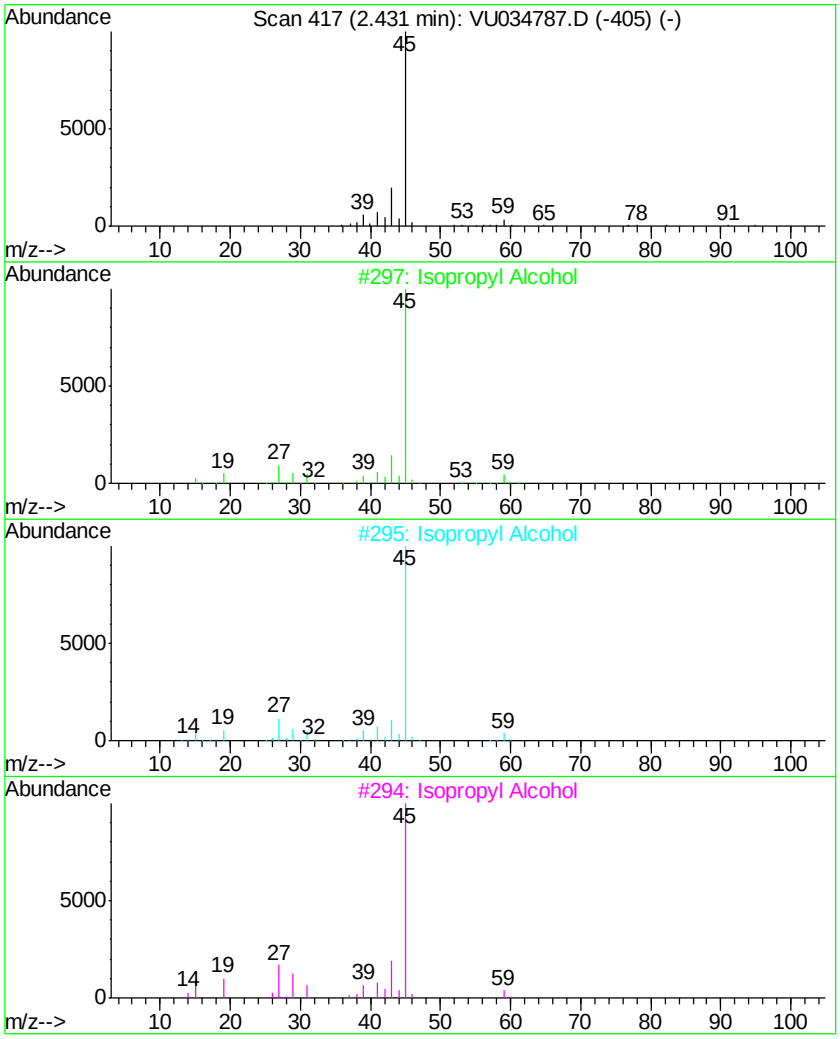
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

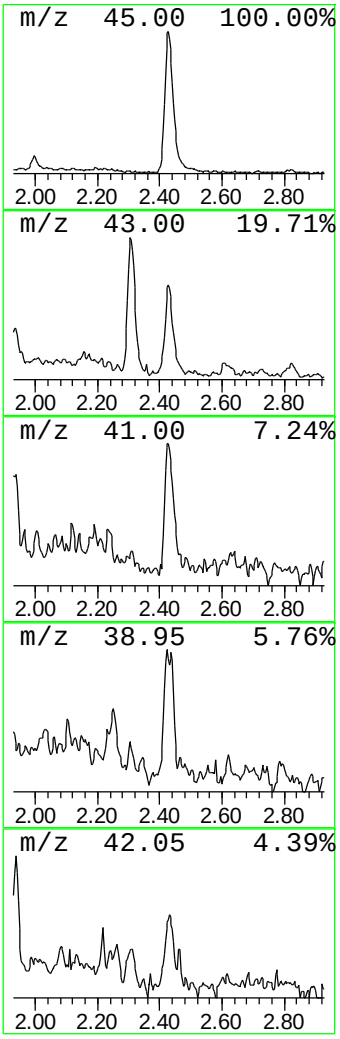
****

Peak Number 2 Isopropyl Alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	2.70 ug/L	87117	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9
5	2-Heptanol, 3-methyl-	130	C8H18O	031367-46-1	9





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Quant Title : VOC Analysis

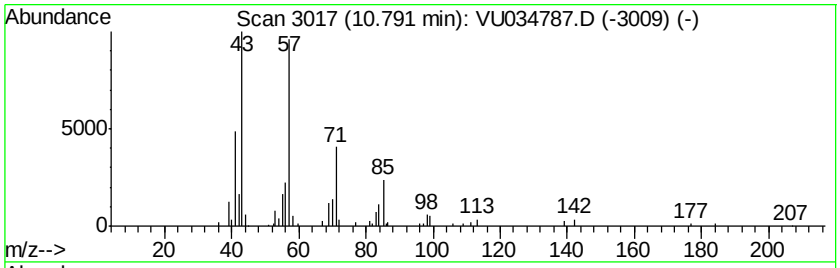
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

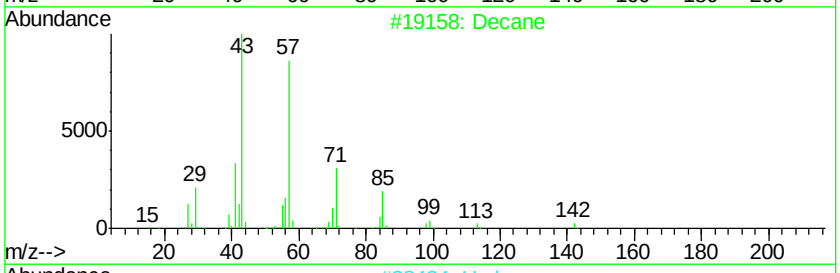
****

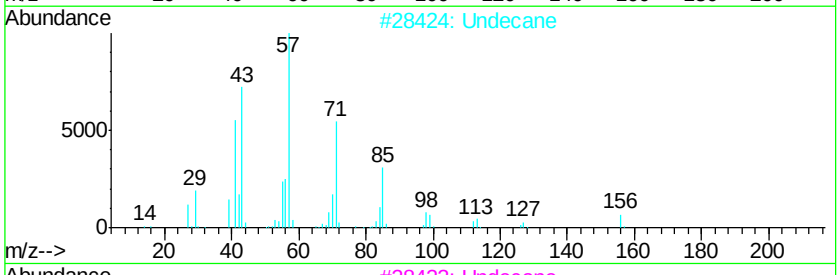
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

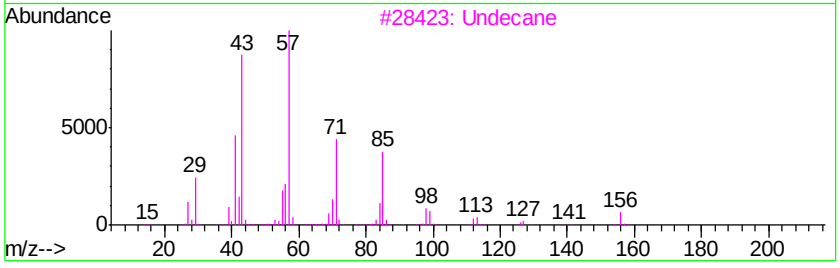
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	2.95 ug/L	90014	1,4-Dichlorobenzene-d4	11.46

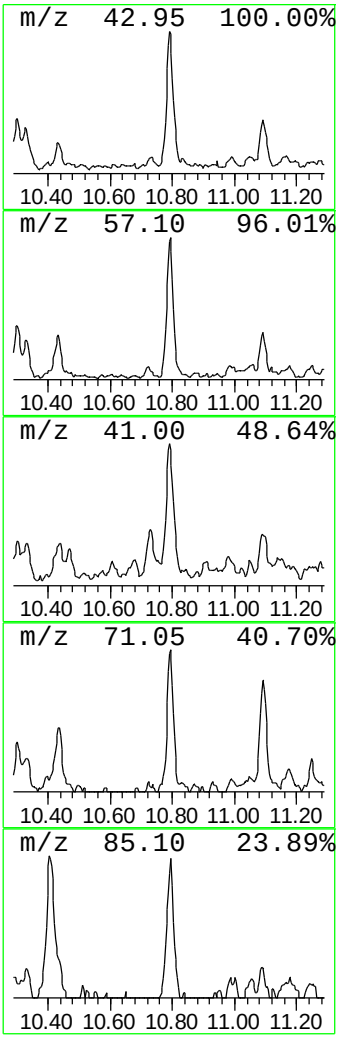
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Undecane	156	C11H24	001120-21-4	83
3	Undecane	156	C11H24	001120-21-4	83
4	Dodecane	170	C12H26	000112-40-3	78
5	Undecane	156	C11H24	001120-21-4	78











Tentatively Identified Compound (LSC) summary

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Instrument : MSVOA_U
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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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.18	4.5	ug/L	144168	1	5.86	1614220	50.0
Isopropyl Alcohol	2.43	2.7	ug/L	87117	1	5.86	1614220	50.0
(DEL) Alkane: Str...	10.79	3.0	ug/L	90014	3	11.46	1523990	50.0