LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

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\SOMULM091018WMA.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	1.395	62	69	85	rVB	97828	101523	0.04%	0.034%
2	1.469	85	92	102	rBV	29082	31420	0.01%	0.011%
3	1.672	147	155	170	rBV	78007	100761	0.03%	0.034%
4	2.038	260	269	290	rVB	28282	49750	0.02%	0.017%
5	2.267	329	340	348	rBV	147632	234128	0.08%	0.078%
6	2.325	348	358	382	rVB	899963	1575424	0.54%	0.527%
7	2.614	383	448	456	rBV2	35365461	289492048	100.00%	96.758%
8	2.987	553	564	587	rVB	162428	346234	0.12%	0.116%
9	3.299	646	661	691	rVB	498207	1050895	0.36%	0.351%
10	3.656	763	772	780	rBV5	1838	3949	0.00%	0.001%
11	3.910	849	851	852	rBV	413	195	0.00%	0.000%
12	4.090	888	907	926	rBV	282007	757203	0.26%	0.253%
13	4.186	926	937	970	rVB	78644	208749	0.07%	0.070%
14	4.591	1059	1063	1065	rVV2	311	231	0.00%	0.000%
15	4.652	1065	1082	1120	rVV	106361	282963	0.10%	0.095%
16	4.852	1141	1144	1150	rBV3	450	470	0.00%	0.000%
17	4.881	1150	1153	1154	rBV	461	323	0.00%	0.000%
18	4.996	1179	1189	1202	rVB6	3554	8530	0.00%	0.003%
19	5.340	1272	1296	1319	rBV2	266244	763052	0.26%	0.255%
20	5.559	1353	1364	1382	rBV2	5672	13045	0.00%	0.004%
21	5.623	1382	1384	1388	rVB3	321	202	0.00%	0.000%
22	5.887	1452	1466	1484	rBV	183279	351659	0.12%	0.118%
23	6.025	1504	1509	1512	rVB3	217	228	0.00%	0.000%
24	6.083	1523	1527	1532	rBV3	193	204	0.00%	0.000%
25	6.176	1550	1556	1557	rBV	623	482	0.00%	0.000%
26	6.276	1581	1587	1591	rBV4	361	388	0.00%	0.000%
27	6.334	1591	1605	1626	rBV	180342	352846	0.12%	0.118%
28	6.443	1630	1639	1641	rBV4	879	1238	0.00%	0.000%
29	6.562	1674	1676	1680	rVB2	405	241	0.00%	0.000%
30	6.594	1683	1686	1689	rVB3	391	286	0.00%	0.000%
31	6.829	1750	1759	1773	rBV4	2448	5614	0.00%	0.002%
32	7.231	1872	1884	1901	rBV	102182	178550	0.06%	0.060%
33	7.340	1912	1918	1920	rBV2	268	279	0.00%	0.000%
34	7.385	1924	1932	1938	rVV6	917	1182	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

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\SOMULM091018WMA.M
Title : VOC Analysis

35	7.421	1938	1943	1951	rVV5	654	876	0.00%	0.000%
36	7.469	1951	1958	1966	rVV4	2372	3705	0.00%	0.001%
37	7.569	1975	1989	2015	rBV	355141	616274	0.21%	0.206%
38	7.713	2029	2034	2035	rBV2	634	505	0.00%	0.000%
39	7.852	2066	2077	2087	rVV	73243	121206	0.04%	0.041%
40	7.913	2087	2096	2124	rVB	78982	141542	0.05%	0.047%
41	8.090	2148	2151	2156	rVB3	473	418	0.00%	0.000%
42	8.186	2166	2181	2190	rBV3	5439	12965	0.00%	0.004%
43	8.237	2190	2197	2210	rVB6	5225	10026	0.00%	0.003%
44	8.315	2210	2221	2235	rBV	286807	471238	0.16%	0.158%
45	8.472	2267	2270	2273	rBV3	673	613	0.00%	0.000%
46	8.591	2299	2307	2311	rBV3	668	831	0.00%	0.000%
47	8.726	2345	2349	2352	rVB3	470	344	0.00%	0.000%
48	8.787	2362	2368	2369	rBV	424	348	0.00%	0.000%
49	8.829	2375	2381	2387	rBV3	470	620	0.00%	0.000%
50	8.942	2412	2416	2419	rBV	282	215	0.00%	0.000%
51	9.093	2450	2463	2482	rBV	266110	432223	0.15%	0.144%
52	9.189	2491	2493	2497	rVB	575	323	0.00%	0.000%
53	9.308	2527	2530	2533	rBV3	243	202	0.00%	0.000%
54	9.376	2542	2551	2562	rVB5	2768	4893	0.00%	0.002%
55	9.421	2562	2565	2570	rVB2	369	319	0.00%	0.000%
56	9.446	2570	2573	2576	rBV2	282	214	0.00%	0.000%
57	9.462	2576	2578	2582	rBV3	277	204	0.00%	0.000%
58	9.514	2592	2594	2598	rBV2	191	203	0.00%	0.000%
59	9.646	2631	2635	2636	rBV2	370	244	0.00%	0.000%
60	9.697	2647	2651	2652	rBV	343	245	0.00%	0.000%
61	9.768	2669	2673	2675	rBV3	263	189	0.00%	0.000%
62	9.855	2698	2700	2706	rVB3	281	218	0.00%	0.000%
63	9.958	2729	2732	2734	rBV2	346	283	0.00%	0.000%
64	9.999	2742	2745	2750	rBV2	215	246	0.00%	0.000%
65	10.028	2750	2754	2756	rBV2	212	212	0.00%	0.000%
66	10.044	2757	2759	2762	rVV3	315	200	0.00%	0.000%
67	10.173	2793	2799	2800	rBV2	240	185	0.00%	0.000%
68	10.186	2802	2803	2808	rVB2	304	185	0.00%	0.000%
69	10.392	2862	2867	2868	rBV2	354	220	0.00%	0.000%
70	10.434	2868	2880	2895	rVV	272550	431352	0.15%	0.144%
71	10.617	2926	2937	2944	rBV4	1565	2610	0.00%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

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\SOMULM091018WMA.M
Title : VOC Analysis

72	10.697	2959	2962	2964	rVB2	385	186	0.00%	0.000%
73	10.729	2969	2972	2979	rVB2	316	283	0.00%	0.000%
74	10.871	3011	3016	3024	rVV3	314	430	0.00%	0.000%
75	11.250	3131	3134	3137	rVB	334	213	0.00%	0.000%
76	11.269	3137	3140	3142	rBV2	254	183	0.00%	0.000%
77	11.417	3183	3186	3192	rVB2	333	382	0.00%	0.000%
78	11.485	3196	3207	3224	rBV	269425	418612	0.14%	0.140%
79	11.623	3246	3250	3253	rBV2	298	237	0.00%	0.000%
80	11.662	3257	3262	3265	rBV	517	567	0.00%	0.000%
81	11.704	3272	3275	3282	rBV2	207	226	0.00%	0.000%
82	11.758	3287	3292	3297	rVV3	768	889	0.00%	0.000%
83	11.790	3300	3302	3305	rVB2	380	196	0.00%	0.000%
84	11.861	3312	3324	3344	rBV	371304	593220	0.20%	0.198%
85	12.022	3370	3374	3377	rVB	324	235	0.00%	0.000%
86	12.041	3377	3380	3382	rBV2	353	197	0.00%	0.000%
87	12.099	3394	3398	3402	rBV2	291	245	0.00%	0.000%
88	12.224	3430	3437	3439	rBV2	248	307	0.00%	0.000%
89	12.472	3510	3514	3516	rBV	651	586	0.00%	0.000%
90	12.945	3657	3661	3664	rBV2	335	215	0.00%	0.000%
91	12.961	3664	3666	3672	rVV2	335	369	0.00%	0.000%
92	13.089	3703	3706	3707	rBV	290	191	0.00%	0.000%
93	13.318	3774	3777	3780	rBV	282	199	0.00%	0.000%
94	13.343	3782	3785	3789	rVB2	361	279	0.00%	0.000%
95	13.366	3789	3792	3795	rBV2	233	196	0.00%	0.000%
96	13.427	3807	3811	3814	rBV	253	217	0.00%	0.000%
97	13.539	3844	3846	3852	rVB2	384	280	0.00%	0.000%
98	13.729	3901	3905	3908	rBV3	259	277	0.00%	0.000%
99	13.964	3975	3978	3984	rBV2	350	319	0.00%	0.000%
100	14.311	4083	4086	4088	rBV2	294	207	0.00%	0.000%

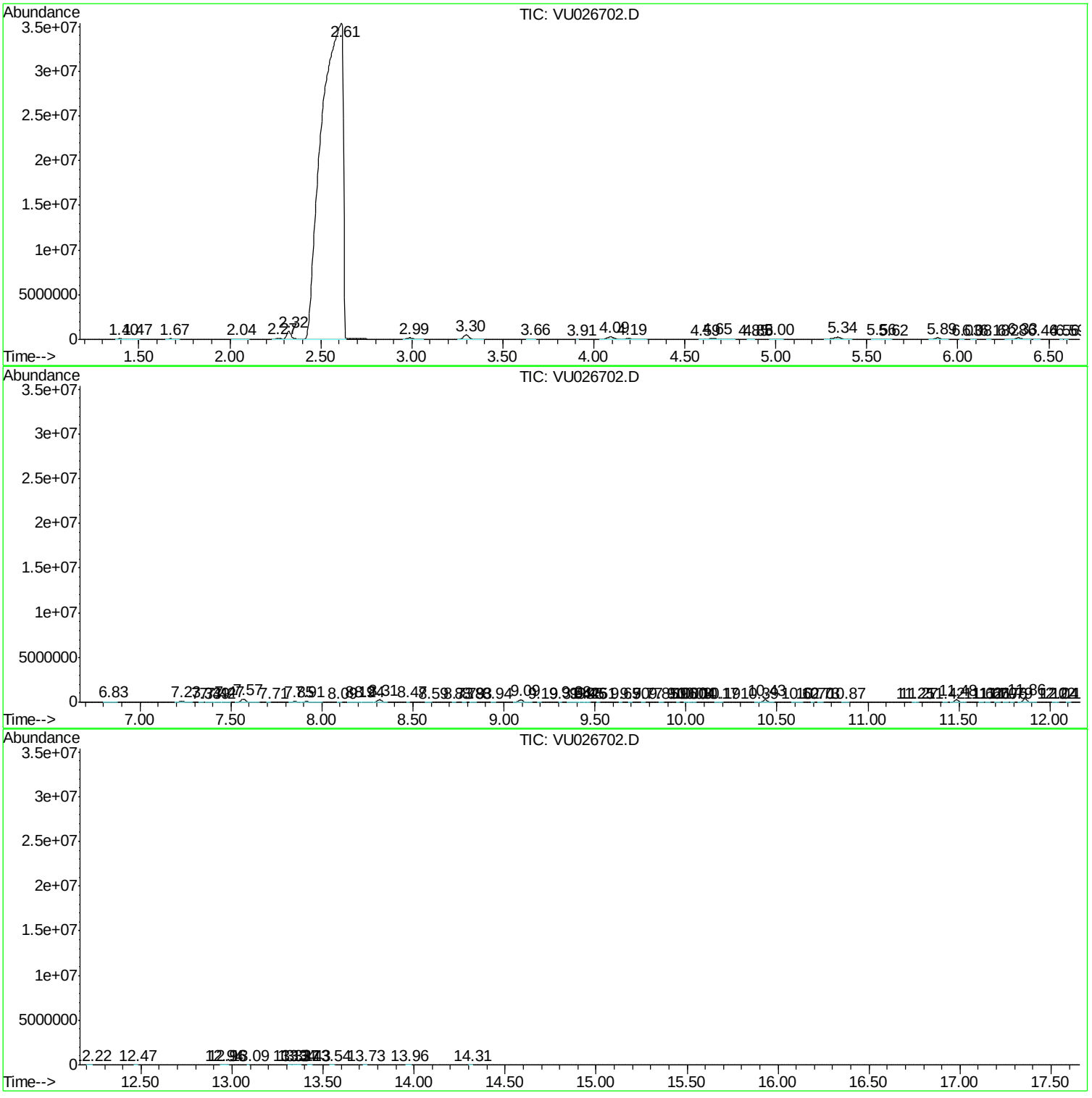
Sum of corrected areas: 299190931

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

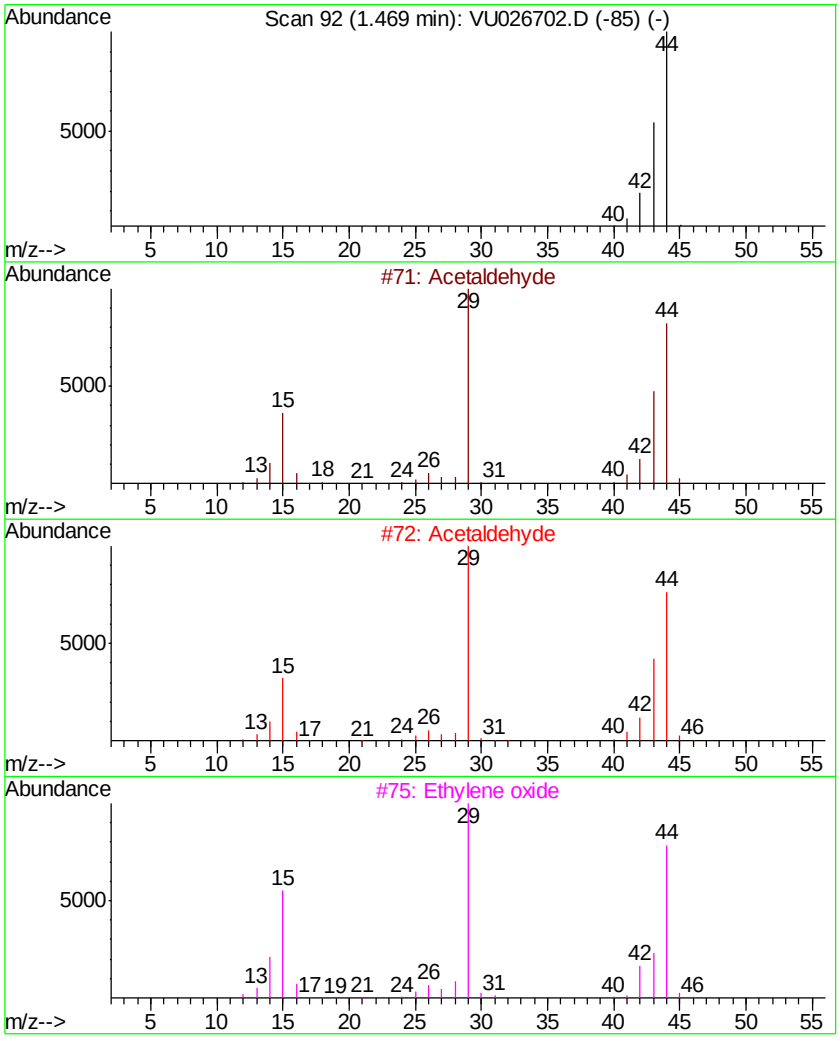
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

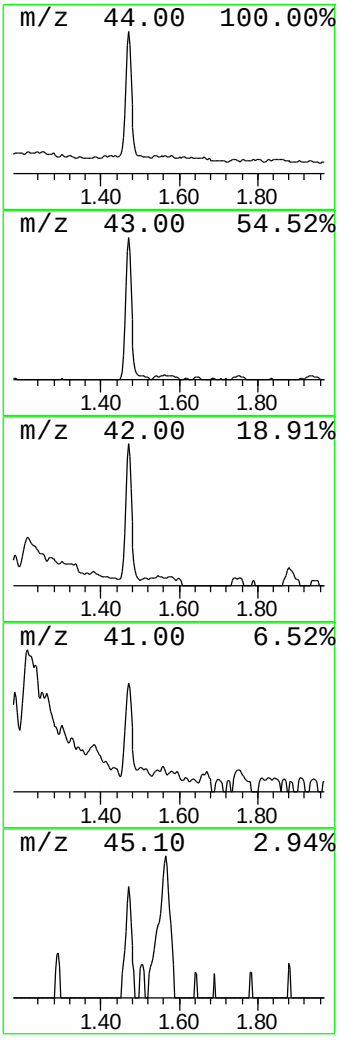
****

Peak Number 1 Acetaldehyde Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	4.47 ug/L	31420	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Acetaldehyde	44	C2H4O	000075-07-0	74
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

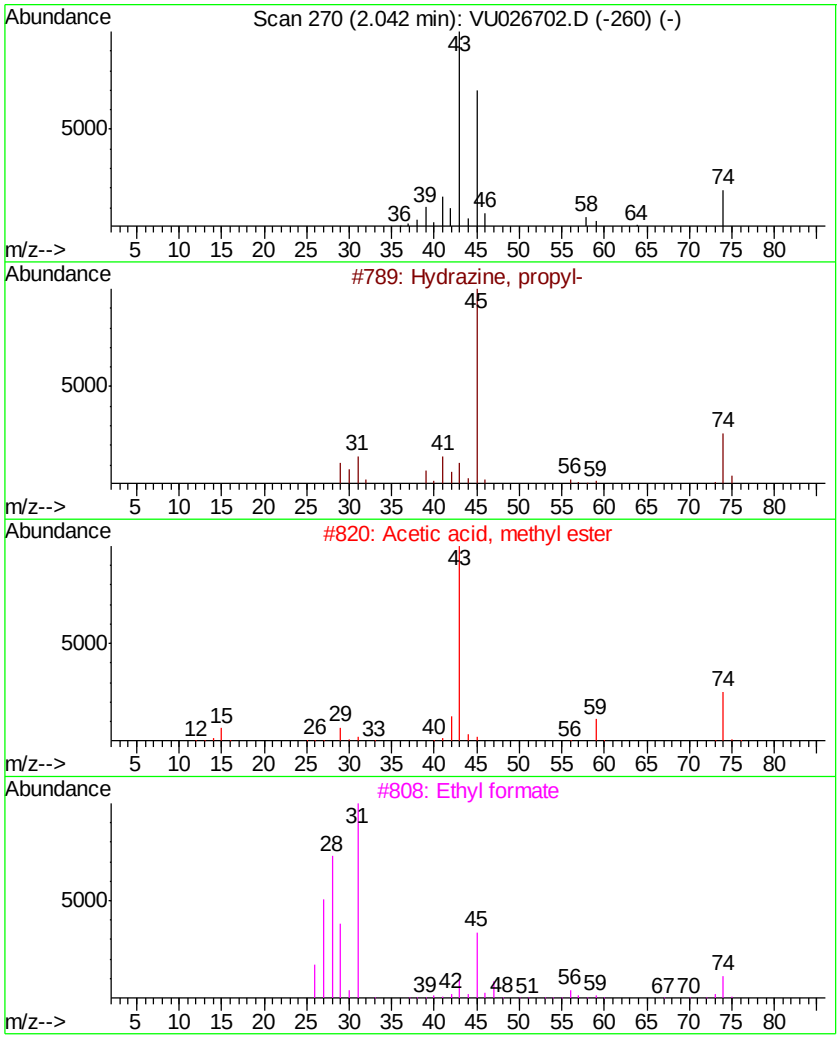
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

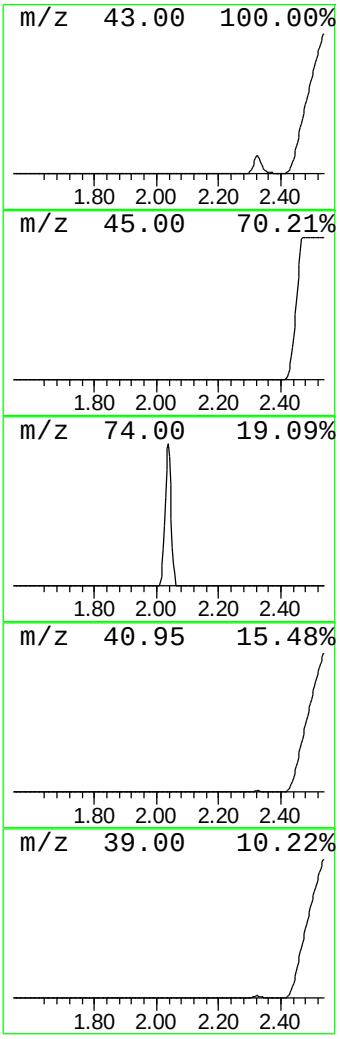
****

Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	7.07 ug/L	49750	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, propyl-	74	C3H10N2	005039-61-2	42
2	Acetic acid, methyl ester	74	C3H6O2	000079-20-9	9
3	Ethyl formate	74	C3H6O2	000109-94-4	9
4	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

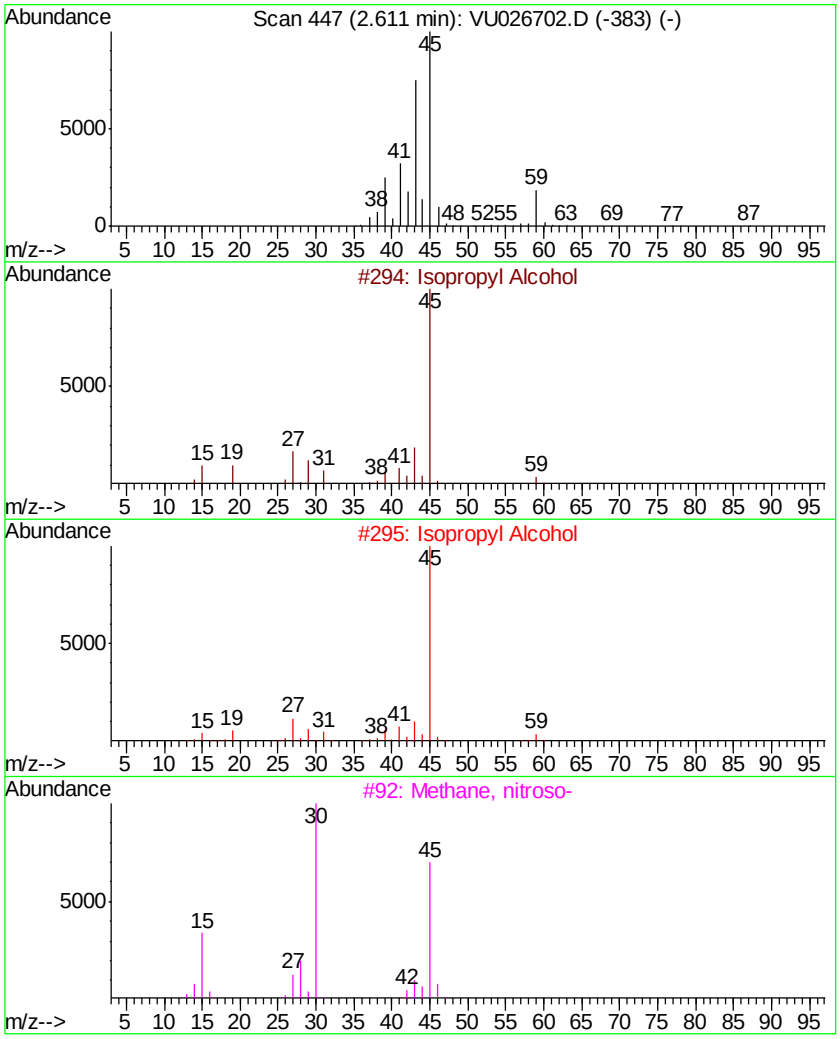
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

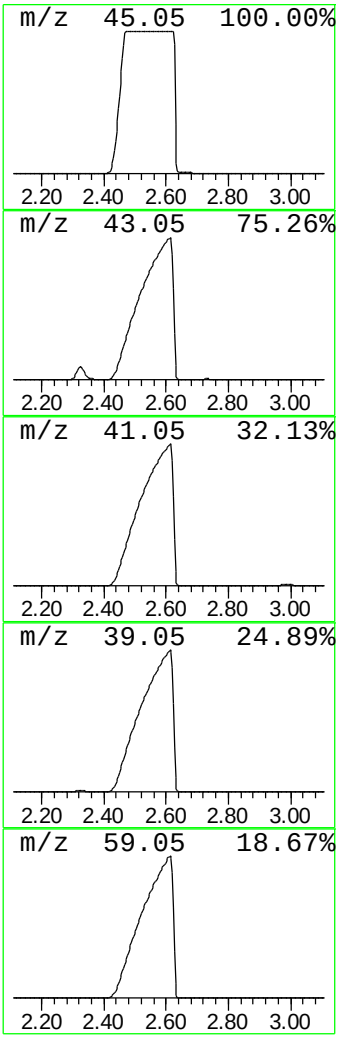
****

Peak Number 3 Isopropyl Alcohol-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.61	41160.90 ug/L	289492000	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	14
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	10
3	Methane, nitroso-	45	CH3NO	000865-40-7	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Formic acid, 2-methylpropyl ester	102	C5H10O2	000542-55-2	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

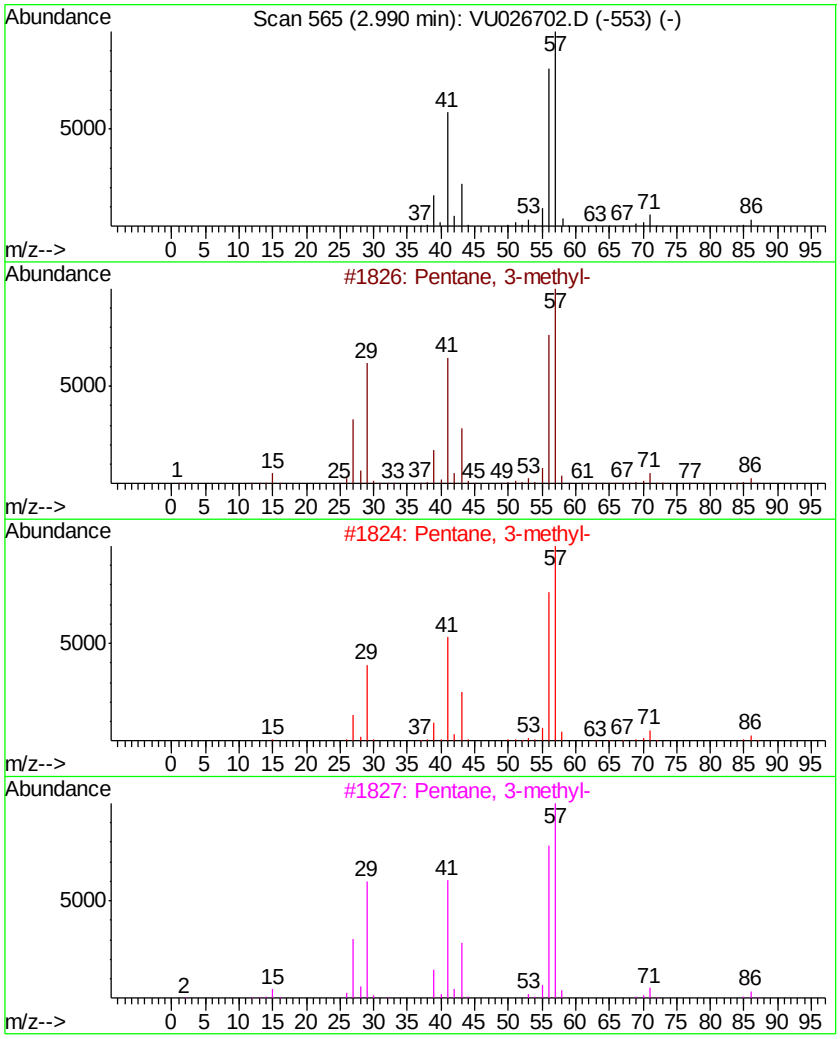
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

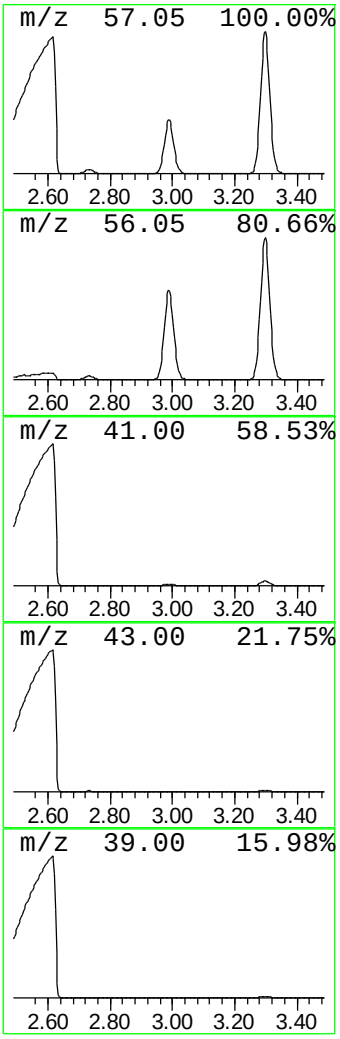
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	49.23 ug/L	346234	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

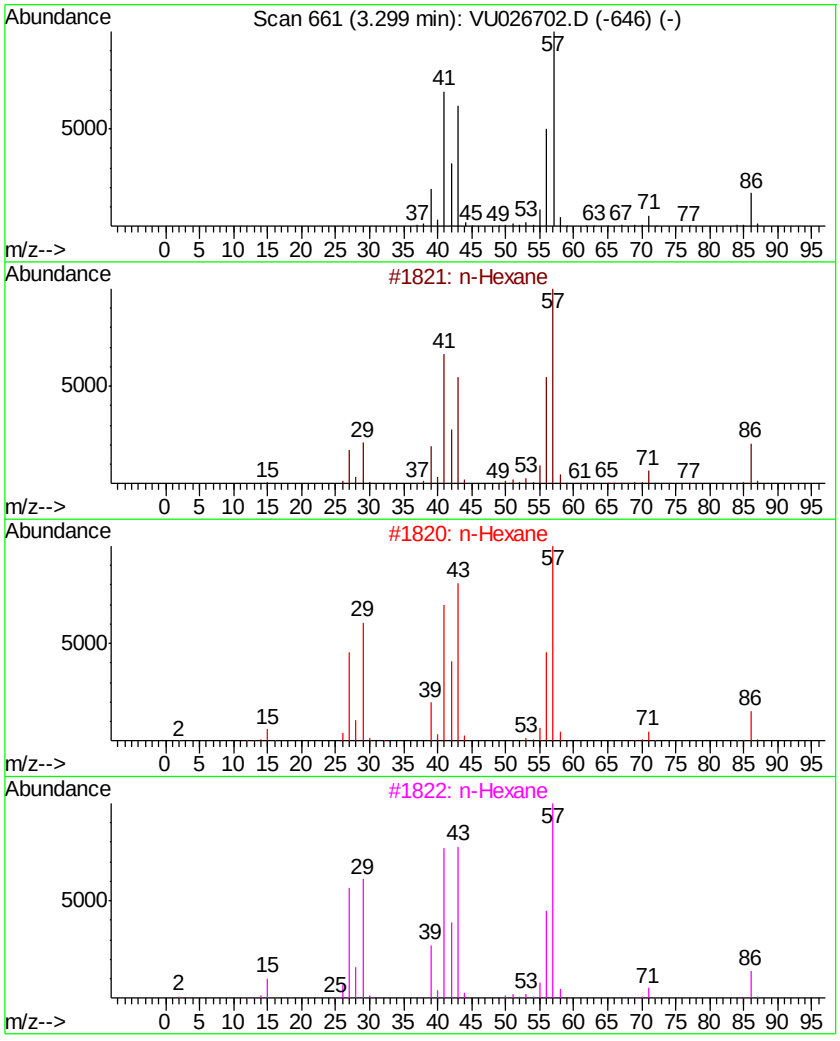
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

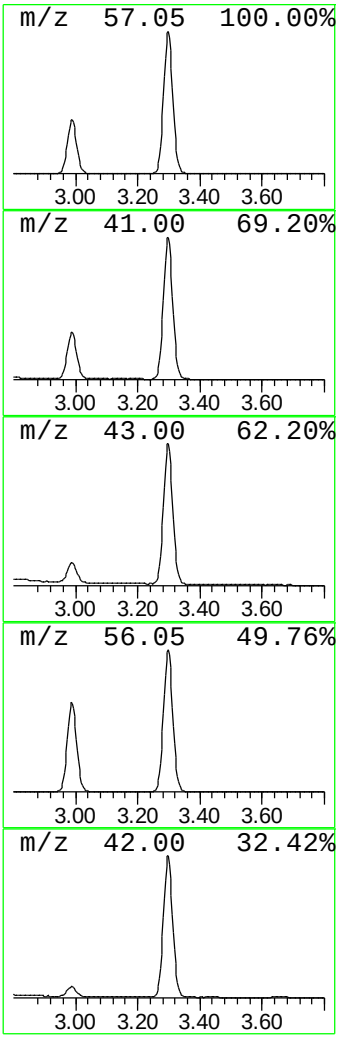
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	149.42 ug/L	1050900	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	90
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

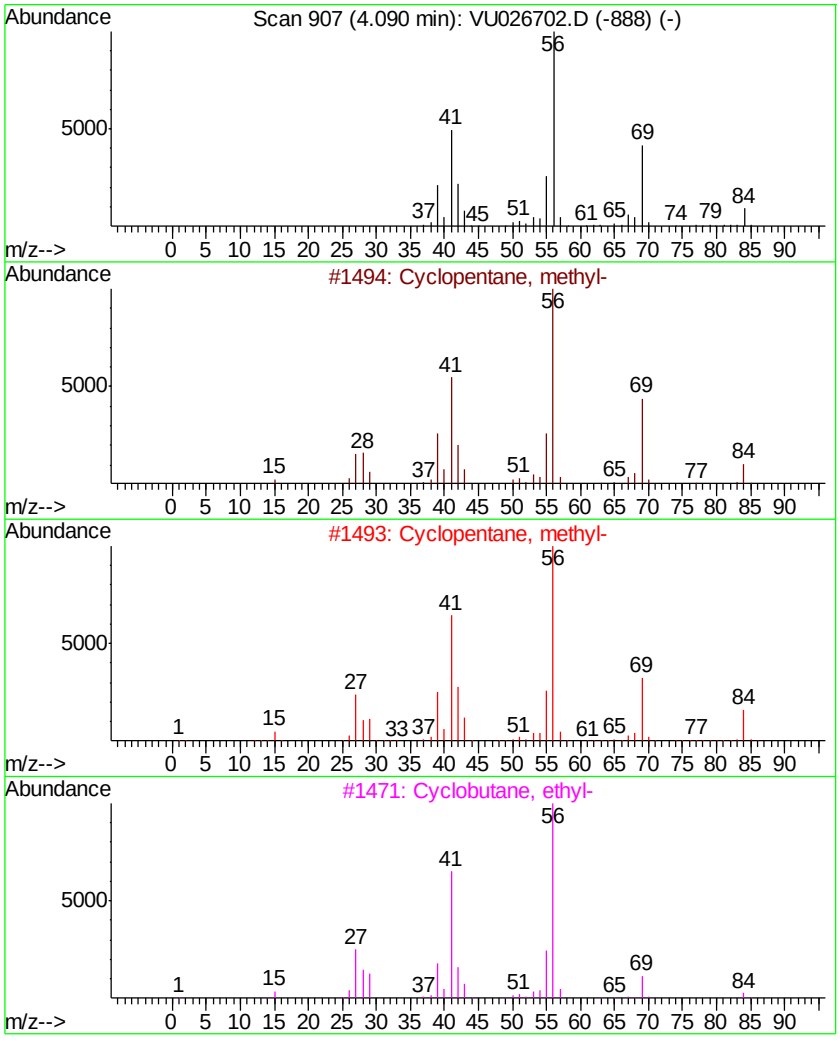
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

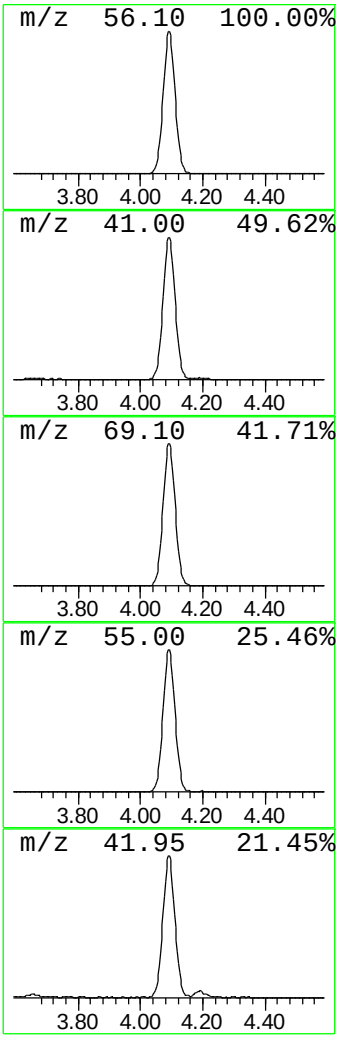
****

Peak Number 6 (DEL) Alkane: Cyclic4.09 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	107.66 ug/L	757203	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis

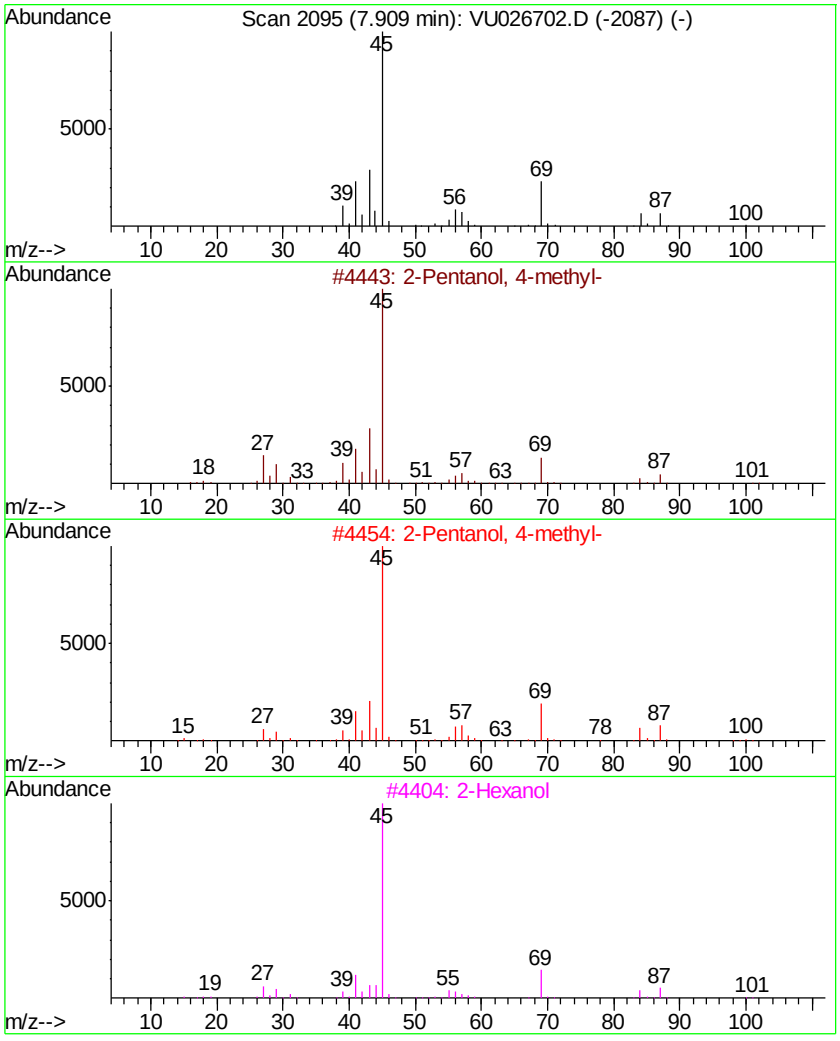
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

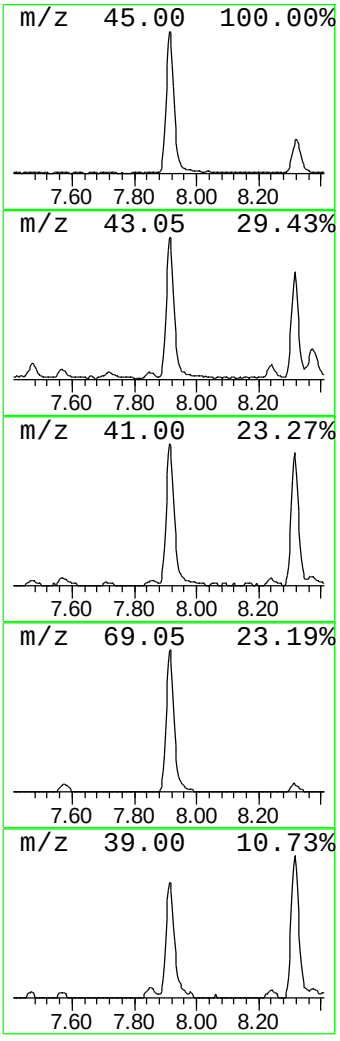
****

Peak Number 8 2-Pentanol, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	16.37 ug/L	141542	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Hexanol	102	C6H14O	000626-93-7	78
4	2-Octanol	130	C8H18O	000123-96-6	78
5	2-Hexanol	102	C6H14O	000626-93-7	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091318\
Data File : VU026702.D
Acq On : 12 Sep 2018 15:22
Operator : MD/SY
Sample : J4860-01 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A41S8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.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
Acetaldehyde	1.47	4.5	ug/L	31420	1	5.89	351659	50.0
unknown-01	2.04	7.1	ug/L	49750	1	5.89	351659	50.0
Isopropyl Alcohol-02	2.61	41160.9	ug/L	289492000	1	5.89	351659	50.0
(DEL) Alkane: Str...	2.99	49.2	ug/L	346234	1	5.89	351659	50.0
(DEL) Alkane: Str...	3.30	149.4	ug/L	1050900	1	5.89	351659	50.0
(DEL) Alkane: Cyc...	4.09	107.7	ug/L	757203	1	5.89	351659	50.0
2-Pentanol, 4-met...	7.91	16.4	ug/L	141542	2	9.09	432223	50.0