LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
Data File : VU036465.D
Acq On : 15 Jan 2020 12:39
Operator : JC/MD
Sample : L1090-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

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\SOMULM011420WMA.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	1.369	4	9	20	rVB2	87133	85045	4.28%	0.541%
2	1.613	78	85	96	rVB	261631	294660	14.82%	1.873%
3	1.700	107	112	122	rVB	53230	58585	2.95%	0.372%
4	1.928	177	183	194	rVB	202182	254929	12.82%	1.620%
5	2.594	377	390	403	rBV	392895	657271	33.05%	4.178%
6	2.999	513	516	517	rBV2	1107	602	0.03%	0.004%
7	3.305	608	611	612	rBV2	729	464	0.02%	0.003%
8	3.507	670	674	678	rVB2	758	588	0.03%	0.004%
9	3.530	678	681	683	rBV2	726	432	0.02%	0.003%
10	3.543	683	685	687	rBV	746	417	0.02%	0.003%
11	3.578	694	696	698	rBV2	639	334	0.02%	0.002%
12	3.800	763	765	767	rVB3	257	88	0.00%	0.001%
13	3.813	767	769	771	rVB	644	301	0.02%	0.002%
14	3.829	771	774	776	rBV2	917	494	0.02%	0.003%
15	3.874	784	788	790	rBV3	1985	1616	0.08%	0.010%
16	3.941	805	809	812	rBV3	536	457	0.02%	0.003%
17	3.967	815	817	818	rVB2	579	184	0.01%	0.001%
18	3.977	818	820	825	rBV3	491	410	0.02%	0.003%
19	4.002	825	828	830	rBV2	346	180	0.01%	0.001%
20	4.051	840	843	844	rBV2	408	199	0.01%	0.001%
21	4.070	847	849	852	rVB	717	263	0.01%	0.002%
22	4.108	858	861	864	rBV3	628	486	0.02%	0.003%
23	4.179	880	883	884	rVB2	418	234	0.01%	0.001%
24	4.237	893	901	903	rBV4	1044	1171	0.06%	0.007%
25	4.350	934	936	941	rVB3	590	420	0.02%	0.003%
26	4.414	954	956	960	rVB2	626	334	0.02%	0.002%
27	4.452	964	968	971	rBV3	897	668	0.03%	0.004%
28	4.501	972	983	997	rBV5	9035	20678	1.04%	0.131%
29	4.681	1024	1039	1058	rBV	193062	472370	23.75%	3.002%
30	5.108	1155	1172	1196	rBV	356348	819577	41.21%	5.209%
31	5.372	1252	1254	1258	rBV5	1011	853	0.04%	0.005%
32	5.542	1306	1307	1309	rBV	362	84	0.00%	0.001%
33	5.552	1309	1310	1311	rBV	228	61	0.00%	0.000%
34	5.584	1319	1320	1324	rVB	717	408	0.02%	0.003%

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

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\SOMULM011420WMA.M
Title : VOC Analysis

35	5.607	1324	1327	1328	rBV2	667	398	0.02%	0.003%
36	5.674	1346	1348	1352	rBV2	854	633	0.03%	0.004%
37	5.768	1355	1377	1405	rBV2	726586	1988787	100.00%	12.641%
38	6.288	1524	1539	1555	rBV	577172	1090252	54.82%	6.930%
39	6.729	1662	1676	1694	rBV2	459458	905572	45.53%	5.756%
40	7.005	1759	1762	1767	rBV6	1087	939	0.05%	0.006%
41	7.095	1786	1790	1793	rBV2	631	687	0.03%	0.004%
42	7.147	1799	1806	1809	rBV3	893	995	0.05%	0.006%
43	7.253	1837	1839	1841	rBV	1271	707	0.04%	0.004%
44	7.362	1872	1873	1875	rBV	595	202	0.01%	0.001%
45	7.407	1886	1887	1888	rVB	223	43	0.00%	0.000%
46	7.427	1888	1893	1894	rBV	537	340	0.02%	0.002%
47	7.436	1894	1896	1897	rVB2	621	221	0.01%	0.001%
48	7.446	1897	1899	1900	rBV	199	98	0.00%	0.001%
49	7.478	1906	1909	1910	rBV2	433	196	0.01%	0.001%
50	7.501	1913	1916	1917	rBV2	686	407	0.02%	0.003%
51	7.600	1932	1947	1967	rBV	282084	511019	25.70%	3.248%
52	7.931	2030	2050	2064	rBV	916067	1611784	81.04%	10.245%
53	8.211	2125	2137	2156	rBV	193199	351270	17.66%	2.233%
54	8.439	2205	2208	2210	rBV2	945	554	0.03%	0.004%
55	8.475	2215	2219	2220	rBV	632	447	0.02%	0.003%
56	8.510	2228	2230	2233	rBV3	710	549	0.03%	0.003%
57	8.581	2239	2252	2267	rBV2	318091	537772	27.04%	3.418%
58	8.671	2268	2280	2320	rVV	483584	1123556	56.49%	7.141%
59	8.925	2356	2359	2363	rBV3	904	698	0.04%	0.004%
60	8.947	2363	2366	2369	rBV2	784	708	0.04%	0.005%
61	9.076	2403	2406	2408	rVB2	716	397	0.02%	0.003%
62	9.156	2429	2431	2434	rBV	507	338	0.02%	0.002%
63	9.237	2453	2456	2457	rBV	720	372	0.02%	0.002%
64	9.308	2472	2478	2480	rBV4	551	549	0.03%	0.003%
65	9.324	2480	2483	2488	rBV2	509	487	0.02%	0.003%
66	9.446	2502	2521	2549	rBV	800852	1397555	70.27%	8.883%
67	9.857	2646	2649	2652	rBV4	613	449	0.02%	0.003%
68	9.893	2657	2660	2662	rBV3	988	690	0.03%	0.004%
69	10.060	2705	2712	2717	rBV5	1386	1743	0.09%	0.011%
70	10.127	2721	2733	2741	rBV7	5659	11214	0.56%	0.071%
71	10.234	2763	2766	2769	rBV3	584	571	0.03%	0.004%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

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\SOMULM011420WMA.M
Title : VOC Analysis

72	10.372	2802	2809	2813	rBV6	3808	5279	0.27%	0.034%
73	10.510	2844	2852	2856	rBV6	2295	2860	0.14%	0.018%
74	10.552	2863	2865	2866	rBV6	476	192	0.01%	0.001%
75	10.600	2876	2880	2884	rBV3	1265	1405	0.07%	0.009%
76	10.729	2918	2920	2922	rVB	260	60	0.00%	0.000%
77	10.783	2923	2937	2957	rBV	621402	1052556	52.92%	6.690%
78	10.973	2994	2996	3001	rBV5	728	649	0.03%	0.004%
79	11.044	3016	3018	3021	rBV3	1171	736	0.04%	0.005%
80	11.198	3064	3066	3069	rBV2	448	227	0.01%	0.001%
81	11.214	3069	3071	3072	rBV2	390	147	0.01%	0.001%
82	11.259	3083	3085	3087	rVB	858	377	0.02%	0.002%
83	11.279	3087	3091	3094	rBV2	840	663	0.03%	0.004%
84	11.378	3117	3122	3126	rBV3	765	807	0.04%	0.005%
85	11.494	3147	3158	3167	rBV3	5510	9440	0.47%	0.060%
86	11.709	3220	3225	3234	rVB9	2399	4282	0.22%	0.027%
87	11.745	3234	3236	3238	rBV2	579	312	0.02%	0.002%
88	11.764	3238	3242	3244	rBV3	1574	1206	0.06%	0.008%
89	11.835	3251	3264	3282	rBV	655426	1138724	57.26%	7.238%
90	12.089	3336	3343	3355	rVB8	4333	7645	0.38%	0.049%
91	12.217	3370	3383	3400	rVB	756885	1280860	64.40%	8.141%
92	12.307	3408	3411	3413	rBV2	733	573	0.03%	0.004%
93	12.410	3439	3443	3445	rBV2	1043	613	0.03%	0.004%
94	12.446	3451	3454	3456	rBV3	768	520	0.03%	0.003%
95	12.510	3471	3474	3475	rBV2	1022	571	0.03%	0.004%
96	12.549	3484	3486	3487	rBV	498	160	0.01%	0.001%
97	13.577	3803	3806	3808	rBV3	770	460	0.02%	0.003%
98	13.860	3888	3894	3898	rBV6	2861	3718	0.19%	0.024%

Sum of corrected areas: 15733104

LSC Report - Integrated Chromatogram

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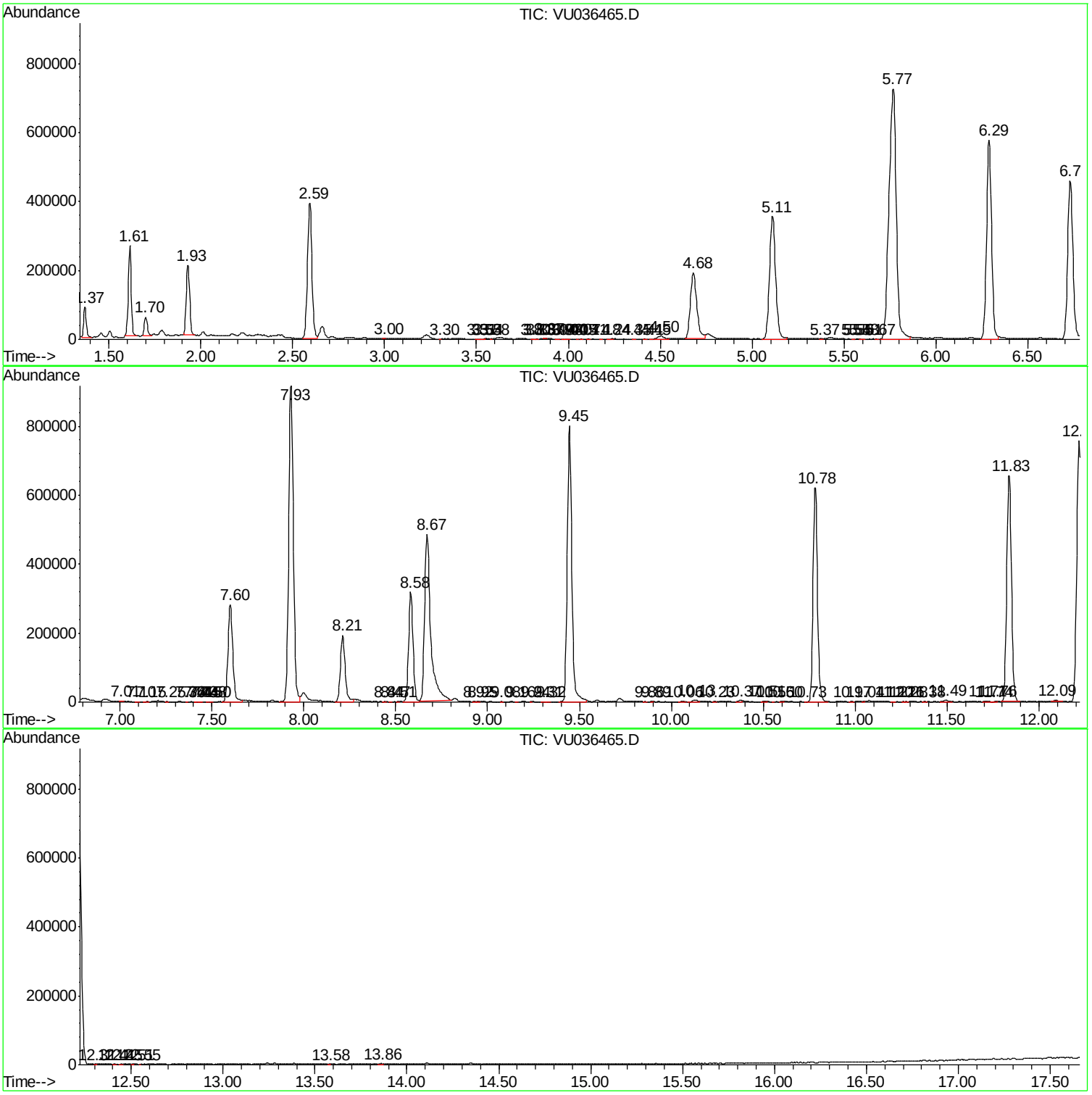
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.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\VU011520\
Data File : VU036465.D
Acq On : 15 Jan 2020 12:39
Operator : JC/MD
Sample : L1090-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

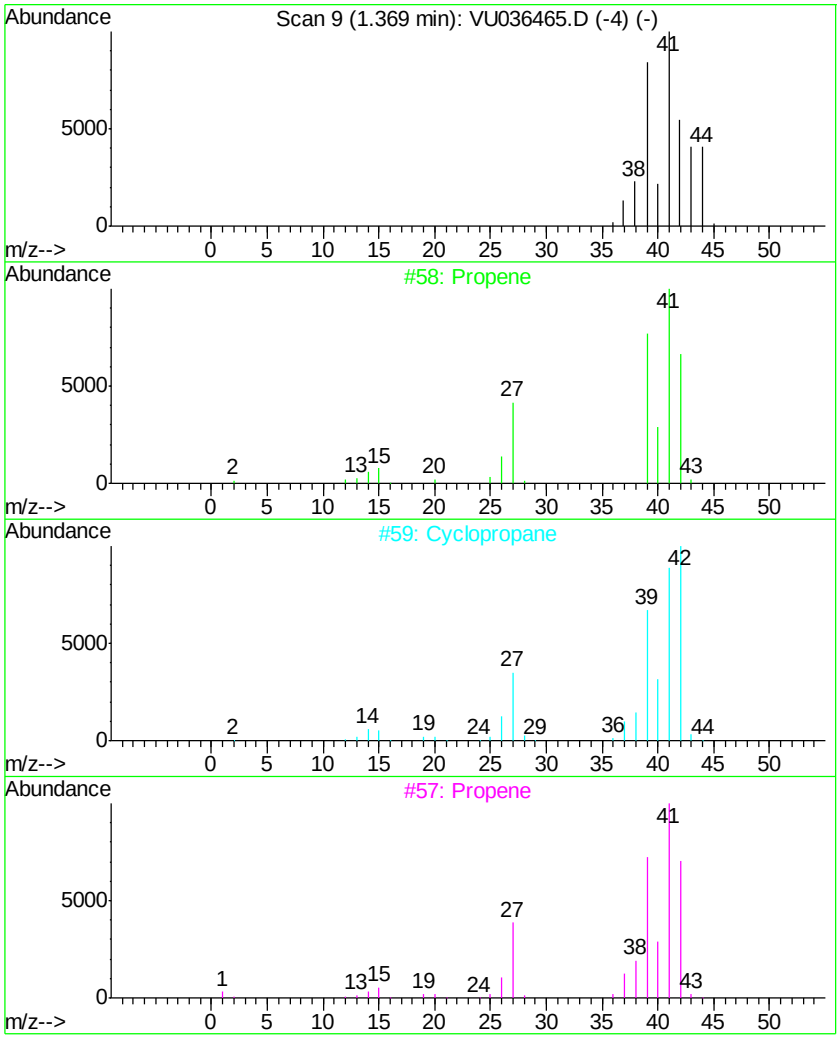
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

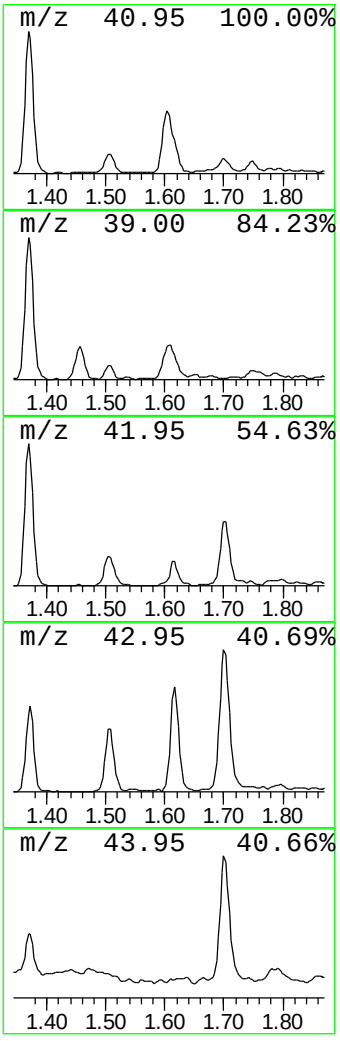
****

Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	3.90 ug/L	85045	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	42
2	Cyclopropane	42	C3H6	000075-19-4	10
3	Propene	42	C3H6	000115-07-1	10
4	Cyclopropane	42	C3H6	000075-19-4	9
5	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	4





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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOP5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis

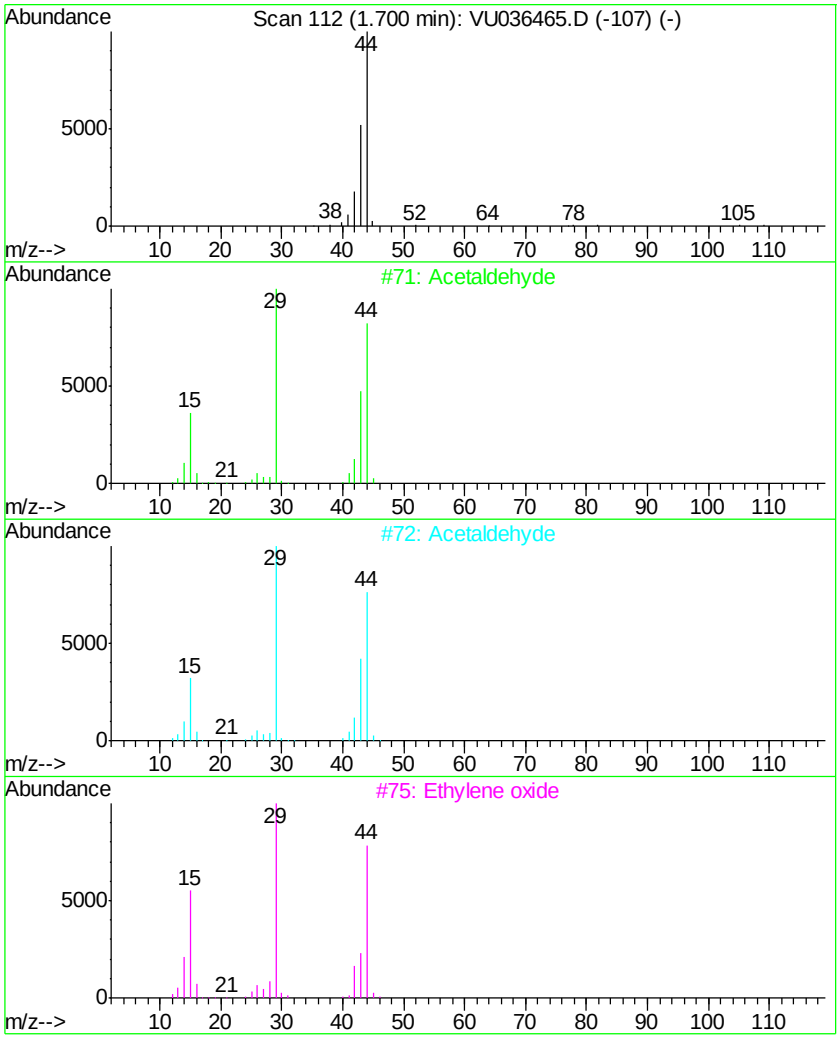
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

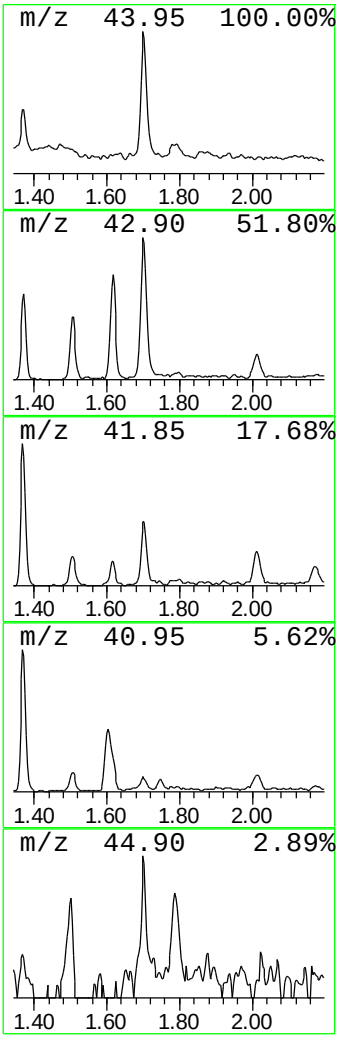
****

Peak Number 2 Acetaldehyde Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	2.69 ug/L	58585	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Acetaldehyde	44	C2H4O	000075-07-0	56
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





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.37	3.9	ug/L	85045	1	6.29	1090250	50.0
Acetaldehyde	1.70	2.7	ug/L	58585	1	6.29	1090250	50.0