LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

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\SOMULM082918WMA.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	0.651	16	19	22	rBV	163	174	0.03%	0.003%
2	0.728	41	43	45	rVB	285	134	0.03%	0.002%
3	0.767	46	55	58	rBV	192	343	0.07%	0.006%
4	0.796	63	64	68	rVB	235	118	0.02%	0.002%
5	0.818	68	71	72	rBV	248	164	0.03%	0.003%
6	0.953	109	113	117	rBV	299	257	0.05%	0.005%
7	0.973	117	119	122	rVB2	268	169	0.03%	0.003%
8	1.085	136	154	170	rBV	336292	377391	72.12%	6.709%
9	1.182	180	184	190	rBV	4849	4916	0.94%	0.087%
10	1.326	224	229	239	rVB	61296	65177	12.46%	1.159%
11	1.397	244	251	263	rBV	66268	69464	13.28%	1.235%
12	1.471	268	274	289	rVB	37906	44098	8.43%	0.784%
13	1.625	316	322	330	rBV	15979	19432	3.71%	0.345%
14	1.677	331	338	354	rVB	54060	71800	13.72%	1.276%
15	2.269	512	522	531	rBV	105318	158125	30.22%	2.811%
16	2.323	531	539	553	rVB	53304	84045	16.06%	1.494%
17	2.410	555	566	581	rBV	103358	164424	31.42%	2.923%
18	2.551	595	610	622	rBV	13539	26235	5.01%	0.466%
19	2.699	649	656	665	rVB4	1797	3248	0.62%	0.058%
20	2.789	672	684	703	rBV	30731	59180	11.31%	1.052%
21	2.941	722	731	739	rBV	1591	3058	0.58%	0.054%
22	3.188	796	808	820	rVB4	4451	9132	1.75%	0.162%
23	3.262	825	831	834	rVB2	153	202	0.04%	0.004%
24	3.992	1052	1058	1060	rBV4	830	857	0.16%	0.015%
25	4.178	1102	1116	1137	rBV	50991	154117	29.45%	2.740%
26	4.651	1243	1263	1289	rBV	90570	214796	41.05%	3.818%
27	4.931	1348	1350	1353	rVB2	425	201	0.04%	0.004%
28	4.989	1360	1368	1371	rBV4	1312	1576	0.30%	0.028%
29	5.342	1453	1478	1487	rBV2	176840	523257	100.00%	9.302%
30	5.468	1516	1517	1521	rVB	293	124	0.02%	0.002%
31	5.494	1521	1525	1527	rBV	153	145	0.03%	0.003%
32	5.590	1546	1555	1574	rBV4	4870	10280	1.96%	0.183%
33	5.773	1601	1612	1613	rBV3	2484	2988	0.57%	0.053%
34	5.889	1633	1648	1672	rBV	204151	391438	74.81%	6.959%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

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\SOMULM082918WMA.M
Title : VOC Analysis

35	5.976	1672	1675	1681	rVB2	444	458	0.09%	0.008%
36	6.037	1692	1694	1699	rVB2	161	151	0.03%	0.003%
37	6.108	1712	1716	1719	rBV	187	222	0.04%	0.004%
38	6.188	1731	1741	1753	rBV3	11514	20649	3.95%	0.367%
39	6.333	1771	1786	1807	rBV	125075	247067	47.22%	4.392%
40	6.432	1807	1817	1825	rBV4	2384	4314	0.82%	0.077%
41	6.481	1830	1832	1839	rVV2	254	220	0.04%	0.004%
42	6.538	1843	1850	1857	rVV4	1243	2043	0.39%	0.036%
43	6.587	1860	1865	1877	rVB2	747	1372	0.26%	0.024%
44	6.850	1943	1947	1948	rVV	276	210	0.04%	0.004%
45	6.860	1948	1950	1957	rVB2	554	449	0.09%	0.008%
46	7.230	2054	2065	2088	rVB2	38924	67292	12.86%	1.196%
47	7.378	2106	2111	2114	rVB2	295	226	0.04%	0.004%
48	7.468	2130	2139	2154	rVB3	2702	4827	0.92%	0.086%
49	7.567	2156	2170	2187	rBV	229387	396396	75.76%	7.047%
50	7.706	2211	2213	2215	rBV3	270	141	0.03%	0.003%
51	7.854	2247	2259	2273	rBV	27181	45692	8.73%	0.812%
52	8.021	2307	2311	2313	rBV2	203	154	0.03%	0.003%
53	8.185	2348	2362	2365	rBV2	10359	16829	3.22%	0.299%
54	8.230	2366	2376	2390	rVV	194136	337285	64.46%	5.996%
55	8.313	2392	2402	2435	rVV	174193	308373	58.93%	5.482%
56	8.439	2439	2441	2443	rVV	404	239	0.05%	0.004%
57	8.471	2444	2451	2466	rVB4	3114	5039	0.96%	0.090%
58	8.529	2466	2469	2473	rBV	208	147	0.03%	0.003%
59	8.583	2483	2486	2489	rVB2	197	136	0.03%	0.002%
60	9.091	2631	2644	2666	rBV	287445	464101	88.69%	8.250%
61	9.294	2702	2707	2716	rVB2	1091	1482	0.28%	0.026%
62	9.394	2727	2738	2768	rBV	74878	153028	29.25%	2.720%
63	9.783	2856	2859	2863	rBV	282	222	0.04%	0.004%
64	9.821	2863	2871	2879	rBV3	3060	4017	0.77%	0.071%
65	9.924	2895	2903	2917	rVB	3517	5335	1.02%	0.095%
66	10.030	2931	2936	2944	rBV2	1056	1290	0.25%	0.023%
67	10.432	3048	3061	3076	rBV	175554	277359	53.01%	4.931%
68	10.612	3105	3117	3131	rVV	5703	10490	2.00%	0.186%
69	10.805	3169	3177	3184	rBV3	1010	1528	0.29%	0.027%
70	10.882	3195	3201	3205	rBV2	734	845	0.16%	0.015%
71	10.960	3222	3225	3228	rBV	246	172	0.03%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

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\SOMULM082918WMA.M
Title : VOC Analysis

72	10.982	3228	3232	3238	rVB3	536	370	0.07%	0.007%
73	11.082	3258	3263	3270	rVB3	859	1114	0.21%	0.020%
74	11.140	3272	3281	3293	rBV4	4570	8771	1.68%	0.156%
75	11.262	3311	3319	3329	rVB2	1578	2387	0.46%	0.042%
76	11.316	3332	3336	3345	rVB5	928	1405	0.27%	0.025%
77	11.484	3377	3388	3412	rVB	255883	392687	75.05%	6.981%
78	11.609	3418	3427	3435	rBV	1613	2615	0.50%	0.046%
79	11.657	3441	3442	3445	rBV	305	134	0.03%	0.002%
80	11.747	3464	3470	3474	rBV4	828	1043	0.20%	0.019%
81	11.860	3493	3505	3517	rBV	227287	361431	69.07%	6.425%
82	12.149	3593	3595	3600	rVB	215	120	0.02%	0.002%
83	12.307	3641	3644	3651	rVB2	174	121	0.02%	0.002%
84	12.403	3671	3674	3675	rBV	222	125	0.02%	0.002%
85	12.484	3687	3699	3712	rVB2	3141	5389	1.03%	0.096%
86	12.570	3720	3726	3739	rVB3	1064	1507	0.29%	0.027%
87	12.799	3794	3797	3799	rBV2	319	229	0.04%	0.004%
88	12.892	3823	3826	3827	rBV	422	245	0.05%	0.004%
89	12.963	3845	3848	3853	rBV3	290	292	0.06%	0.005%
90	13.059	3875	3878	3881	rBV2	227	146	0.03%	0.003%
91	13.133	3898	3901	3907	rVB2	249	248	0.05%	0.004%
92	13.185	3915	3917	3920	rBV	199	124	0.02%	0.002%
93	13.210	3921	3925	3928	rBV2	228	220	0.04%	0.004%
94	13.265	3940	3942	3944	rVB	288	120	0.02%	0.002%
95	13.416	3986	3989	3993	rVB	204	122	0.02%	0.002%
96	13.808	4108	4111	4114	rBV2	263	158	0.03%	0.003%
97	13.879	4131	4133	4136	rBV2	213	144	0.03%	0.003%
98	14.210	4233	4236	4238	rBV	239	161	0.03%	0.003%
99	14.246	4244	4247	4249	rBV	235	149	0.03%	0.003%
100	14.281	4251	4258	4269	rVB2	1817	2733	0.52%	0.049%

Sum of corrected areas: 5625175

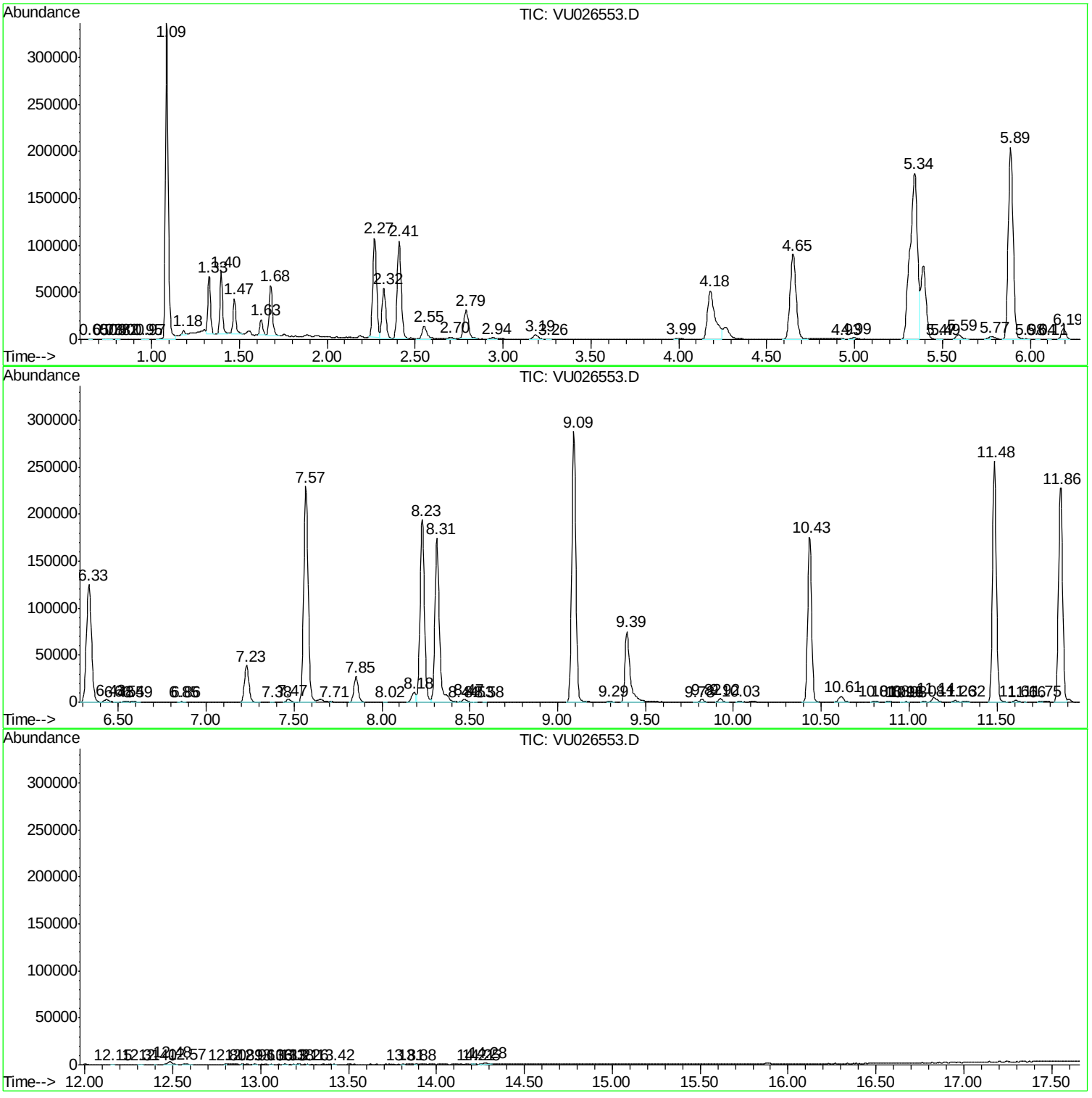
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

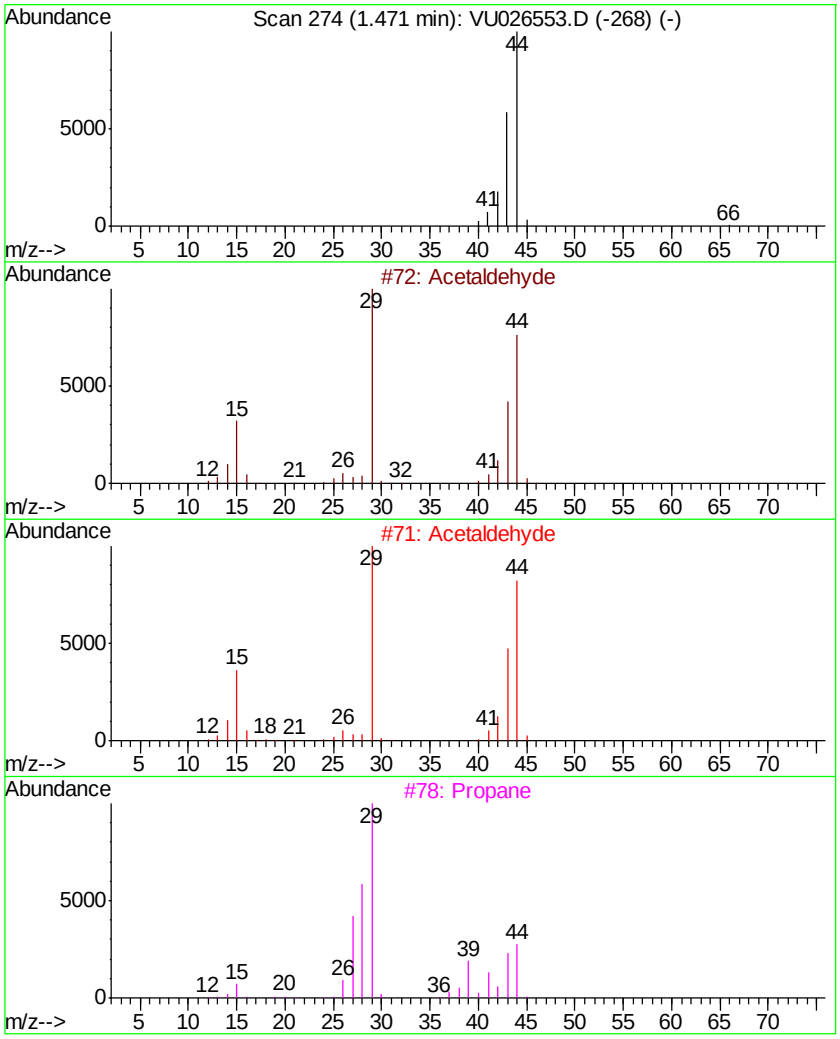
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

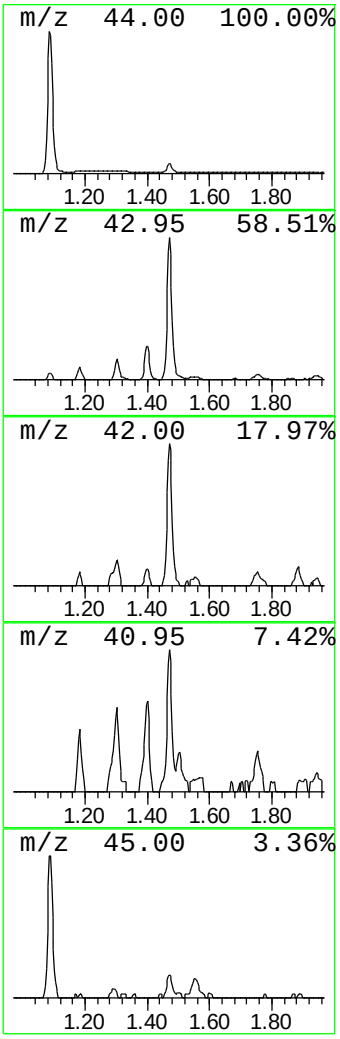
****

Peak Number 2 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	5.63 ug/L	44098	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	Propane	44	C3H8	000074-98-6	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\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

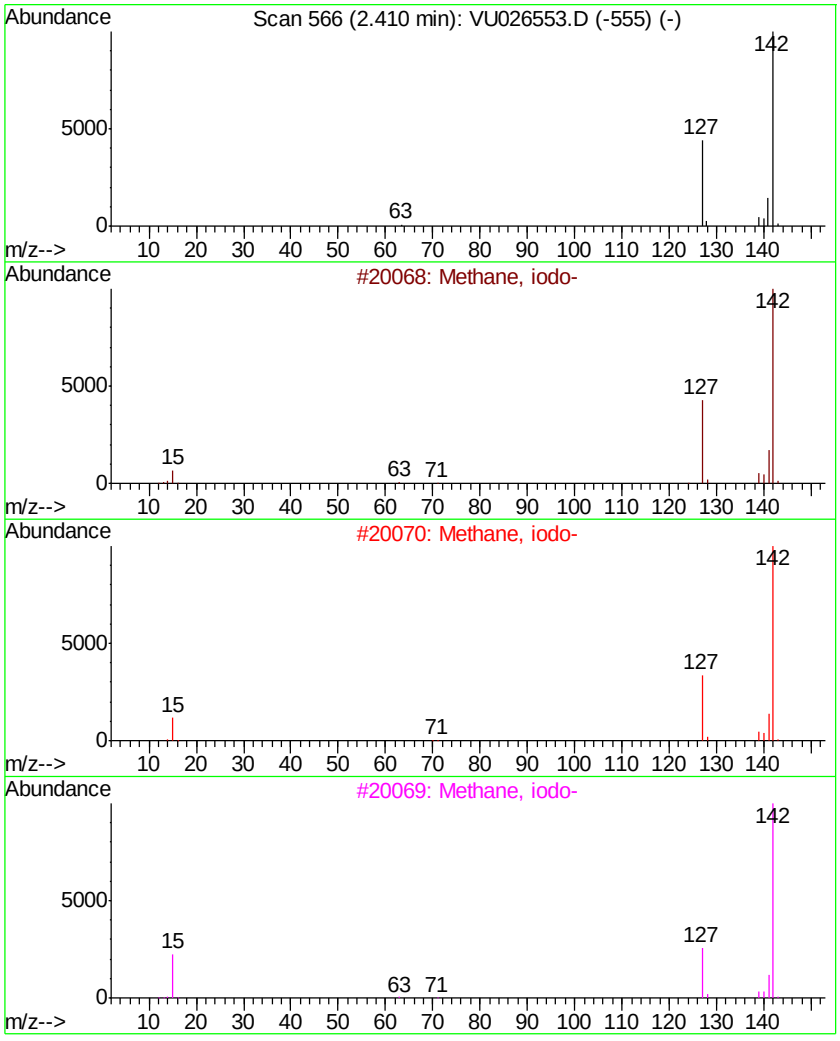
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

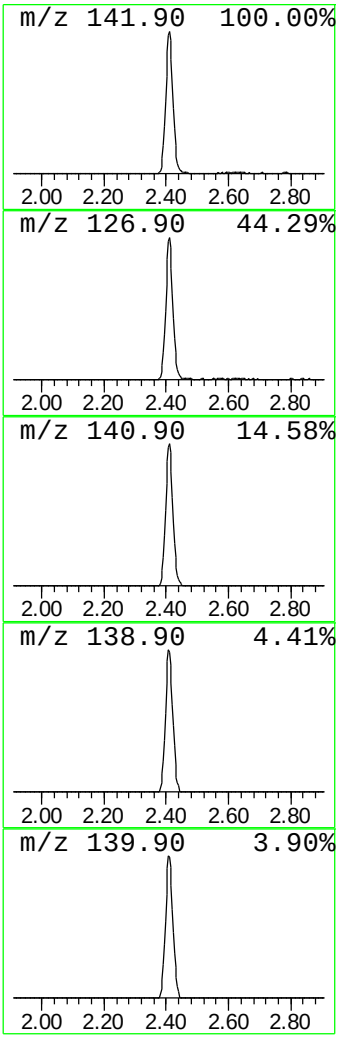
****

Peak Number 3 Methane, iodo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.41	21.00 ug/L	164424	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, iodo-	142	CH3I	000074-88-4	90
2	Methane, iodo-	142	CH3I	000074-88-4	83
3	Methane, iodo-	142	CH3I	000074-88-4	72
4	1,3,5-Trimethylimidazolium iodide	238	C6H11IN2	1000126-23-0	56
5	Trimethylsulfoxonium iodide	220	C3H9IOS	001774-47-6	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

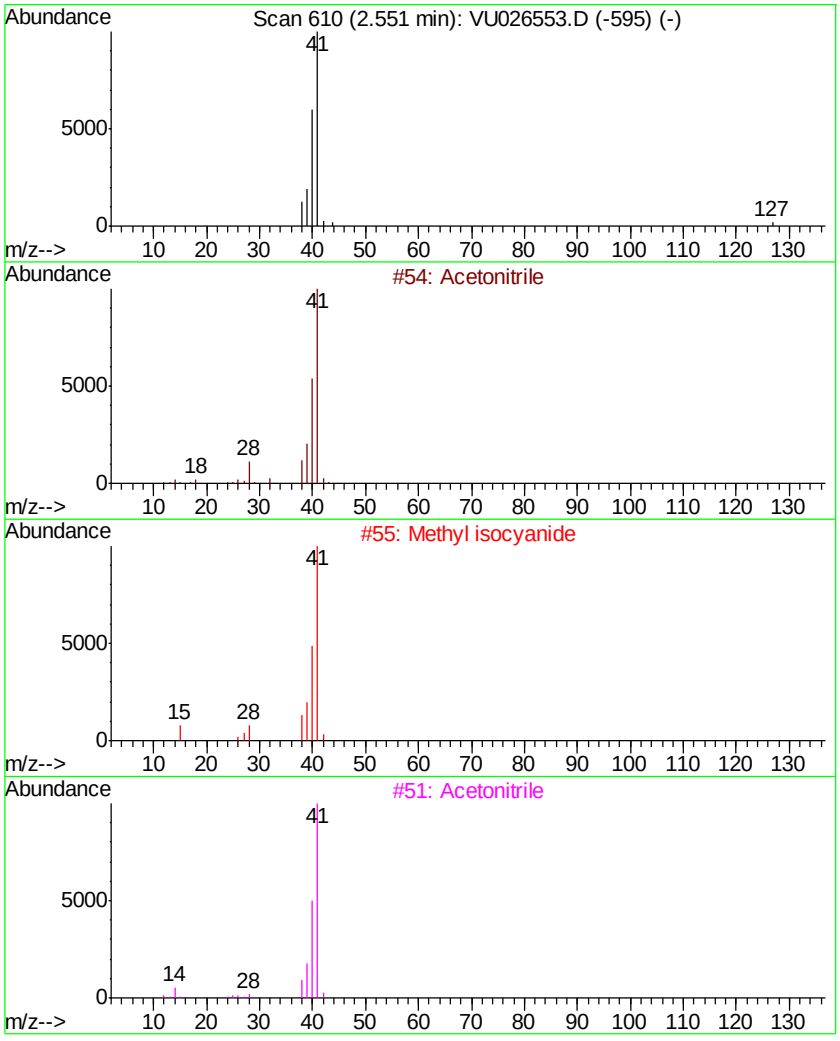
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

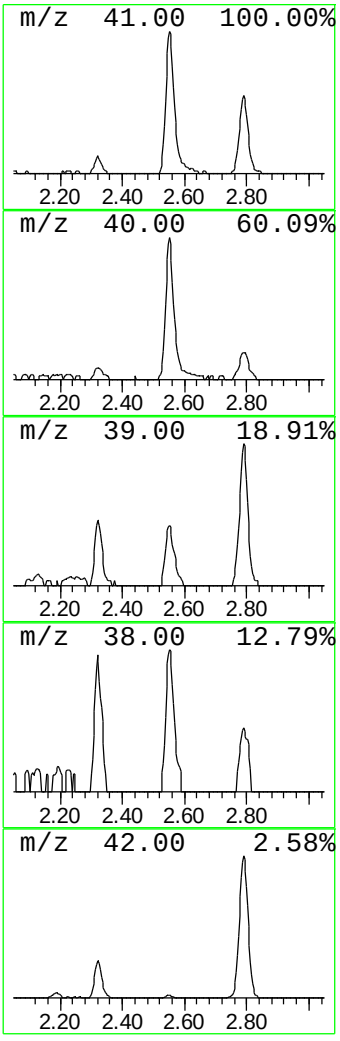
****

Peak Number 4 Acetonitrile Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	3.35 ug/L	26235	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile	41	C2H3N	000075-05-8	56
2	Methyl isocyanide	41	C2H3N	000593-75-9	56
3	Acetonitrile	41	C2H3N	000075-05-8	56
4	Acetonitrile	41	C2H3N	000075-05-8	56
5	Acetonitrile	41	C2H3N	000075-05-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

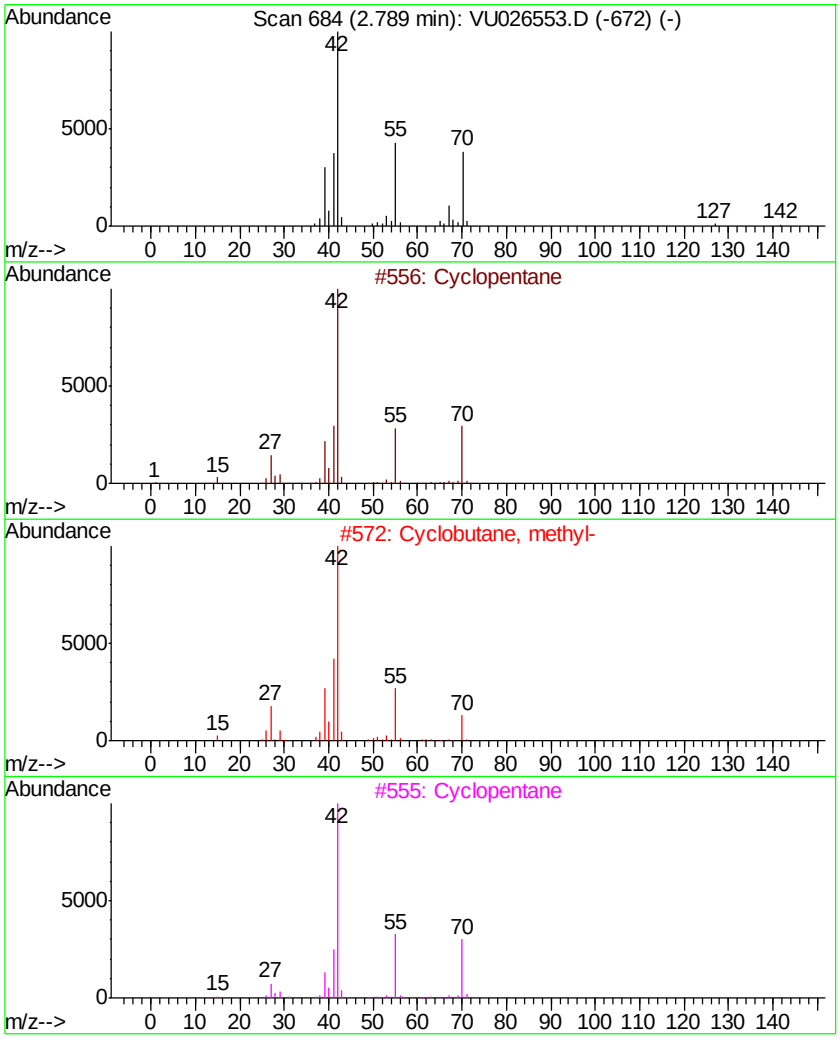
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

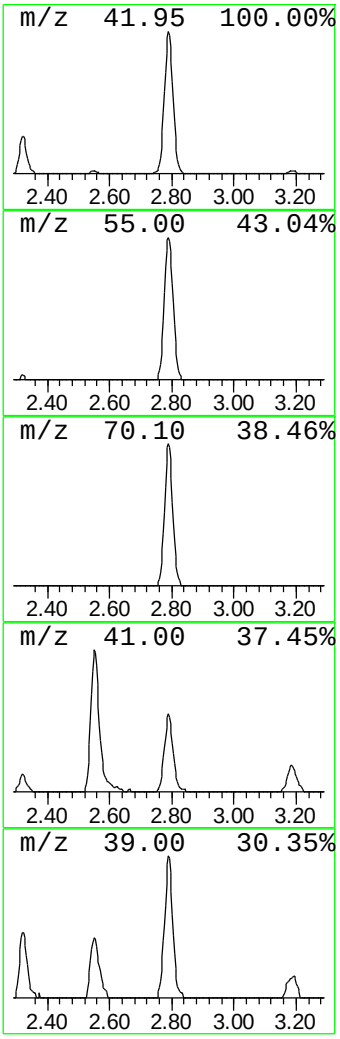
****

Peak Number 5 (DEL) Alkane: Cyclic2.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	7.56 ug/L	59180	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
3	Cyclopentane	70	C5H10	000287-92-3	72
4	1-Pentene	70	C5H10	000109-67-1	72
5	1-Pentene	70	C5H10	000109-67-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis

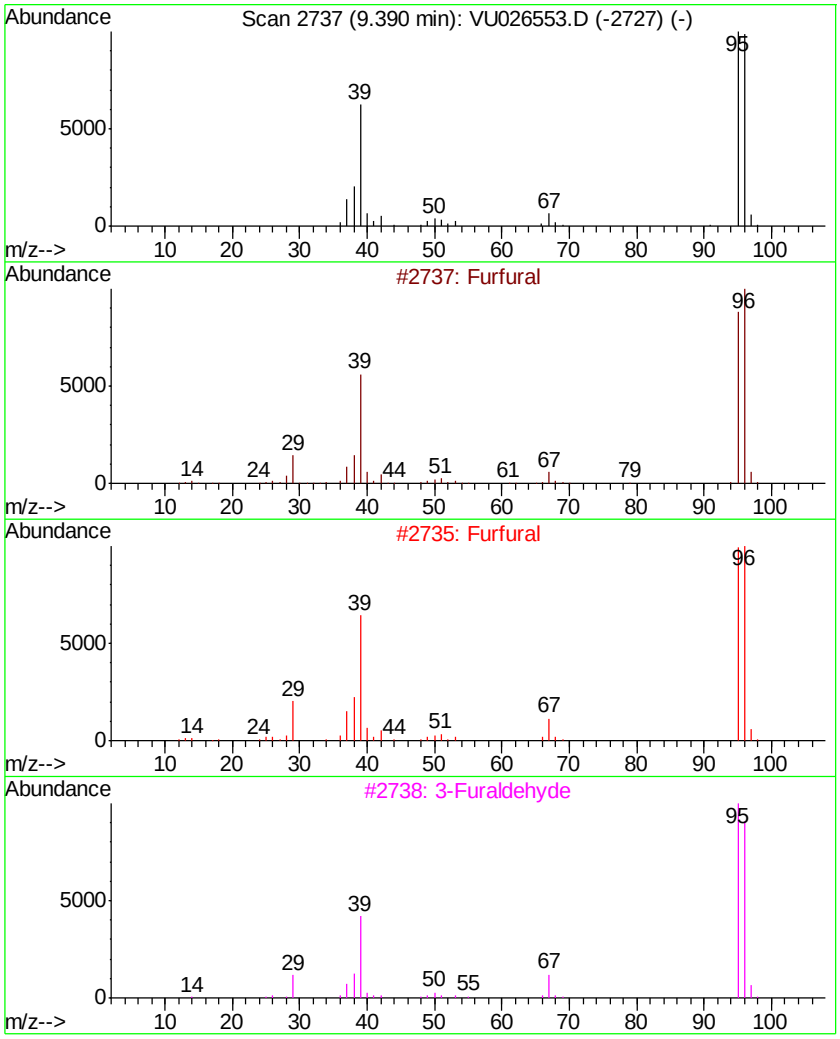
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

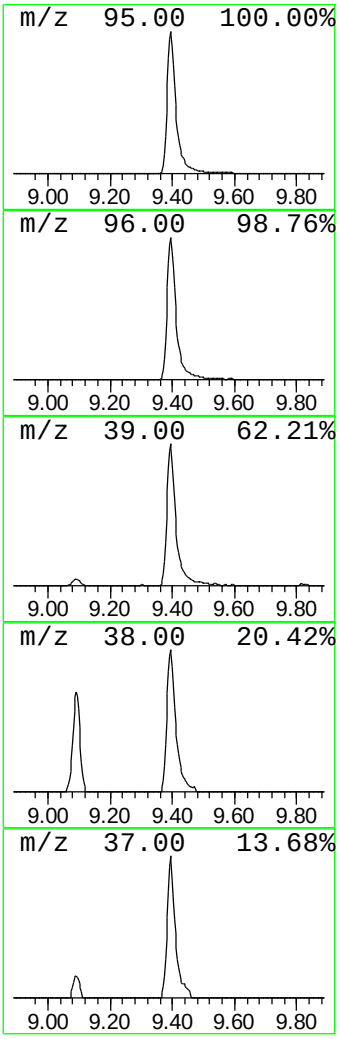
****

Peak Number 7 Furfural Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	16.49 ug/L	153028	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	95
2	Furfural	96	C5H4O2	000098-01-1	95
3	3-Furaldehyde	96	C5H4O2	000498-60-2	91
4	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	74
5	1H-Imidazole, 1,5-dimethyl-	96	C5H8N2	010447-93-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090518\
Data File : VU026553.D
Acq On : 05 Sep 2018 19:42
Operator : MD/SY
Sample : J4694-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BEE28

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.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	5.6	ug/L	44098	1	5.89	391438	50.0
Methane, iodo-	2.41	21.0	ug/L	164424	1	5.89	391438	50.0
Acetonitrile	2.55	3.4	ug/L	26235	1	5.89	391438	50.0
(DEL) Alkane: Cyc...	2.79	7.6	ug/L	59180	1	5.89	391438	50.0
Furfural	9.39	16.5	ug/L	153028	2	9.09	464101	50.0