LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
Data File : VU026095.D
Acq On : 14 Aug 2018 11:51
Operator : MD/SY
Sample : J4451-22
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZL2

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\SOMULM080918WMA.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	1.085	137	154	174	rBV	921196	1032585	24.80%	4.271%
2	1.204	185	191	201	rBV	47494	48859	1.17%	0.202%
3	1.291	212	218	223	rBV	40720	38776	0.93%	0.160%
4	1.326	223	229	240	rVB	117849	128805	3.09%	0.533%
5	1.397	244	251	264	rVB	104965	107498	2.58%	0.445%
6	1.603	311	315	317	rBV2	28785	21706	0.52%	0.090%
7	1.632	317	324	331	rBV	476627	563866	13.54%	2.332%
8	1.876	391	400	418	rVB	144798	201696	4.84%	0.834%
9	2.272	511	523	533	rBV2	255525	510126	12.25%	2.110%
10	2.336	533	543	573	rVV	2716088	4163858	100.00%	17.224%
11	2.471	575	585	610	rVB	116436	200185	4.81%	0.828%
12	2.619	619	631	638	rBV	5363	9329	0.22%	0.039%
13	2.699	648	656	668	rVB5	4488	7735	0.19%	0.032%
14	2.834	685	698	717	rVB3	4343	11654	0.28%	0.048%
15	2.918	721	724	730	rVB2	396	354	0.01%	0.001%
16	2.995	730	748	777	rBV2	742842	1857366	44.61%	7.683%
17	3.272	829	834	836	rBV2	587	561	0.01%	0.002%
18	3.841	1006	1011	1016	rBV3	306	346	0.01%	0.001%
19	4.175	1097	1115	1147	rBV	77348	211014	5.07%	0.873%
20	4.429	1191	1194	1199	rVB3	628	547	0.01%	0.002%
21	4.526	1221	1224	1227	rVB3	445	336	0.01%	0.001%
22	4.664	1244	1267	1296	rVV4	234150	792964	19.04%	3.280%
23	4.918	1327	1346	1364	rBV2	90148	222869	5.35%	0.922%
24	5.137	1396	1414	1434	rBV	208208	484535	11.64%	2.004%
25	5.342	1453	1478	1489	rVV2	309191	924096	22.19%	3.822%
26	5.407	1490	1498	1517	rVB	146166	298249	7.16%	1.234%
27	5.709	1588	1592	1596	rBV3	354	364	0.01%	0.002%
28	5.889	1633	1648	1668	rBV	242735	477672	11.47%	1.976%
29	6.050	1690	1698	1703	rBV4	1447	1918	0.05%	0.008%
30	6.188	1728	1741	1753	rBV7	7643	14444	0.35%	0.060%
31	6.333	1769	1786	1799	rBV	211091	423952	10.18%	1.754%
32	6.416	1800	1812	1830	rVV	218876	444528	10.68%	1.839%
33	6.542	1847	1851	1855	rBV2	401	416	0.01%	0.002%
34	6.616	1863	1874	1893	rVV	28988	58747	1.41%	0.243%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZL2

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\SOMULM080918WMA.M
Title : VOC Analysis

35	6.683	1893	1895	1898	rVB2	803	422	0.01%	0.002%
36	6.760	1911	1919	1922	rBV2	1030	1286	0.03%	0.005%
37	6.882	1939	1957	1974	rBV2	29765	58247	1.40%	0.241%
38	6.995	1989	1992	1999	rVB4	505	512	0.01%	0.002%
39	7.046	1999	2008	2017	rBV5	4916	8707	0.21%	0.036%
40	7.230	2053	2065	2071	rBV	126396	223956	5.38%	0.926%
41	7.271	2072	2078	2094	rVB	177075	296112	7.11%	1.225%
42	7.461	2124	2137	2157	rBV	346269	606581	14.57%	2.509%
43	7.567	2157	2170	2181	rVV	452179	769541	18.48%	3.183%
44	7.638	2181	2192	2212	rVB	624629	1068186	25.65%	4.418%
45	7.779	2233	2236	2243	rVB4	790	707	0.02%	0.003%
46	7.850	2247	2258	2277	rBV	92383	167299	4.02%	0.692%
47	7.940	2277	2286	2299	rBV5	4695	8356	0.20%	0.035%
48	8.069	2314	2326	2346	rVB	190156	324655	7.80%	1.343%
49	8.181	2348	2361	2373	rBV2	68800	152646	3.67%	0.631%
50	8.313	2392	2402	2426	rVB	264365	450283	10.81%	1.863%
51	8.477	2441	2453	2468	rVB	205396	351845	8.45%	1.455%
52	8.590	2476	2488	2511	rBV	142990	247303	5.94%	1.023%
53	8.873	2570	2576	2582	rVB2	416	532	0.01%	0.002%
54	8.908	2582	2587	2591	rVB2	485	463	0.01%	0.002%
55	8.943	2591	2598	2601	rBV2	328	357	0.01%	0.001%
56	9.091	2629	2644	2665	rBV	354278	579484	13.92%	2.397%
57	9.259	2687	2696	2704	rBV5	1454	1990	0.05%	0.008%
58	9.381	2721	2734	2754	rVV	473969	726375	17.44%	3.005%
59	9.538	2781	2783	2788	rVB3	500	322	0.01%	0.001%
60	9.603	2799	2803	2807	rBV3	393	343	0.01%	0.001%
61	9.632	2807	2812	2821	rVB2	446	672	0.02%	0.003%
62	9.680	2821	2827	2832	rBV2	468	533	0.01%	0.002%
63	9.712	2834	2837	2845	rVB3	299	436	0.01%	0.002%
64	9.796	2851	2863	2884	rBV	341841	531081	12.75%	2.197%
65	9.963	2909	2915	2921	rVB6	2089	2493	0.06%	0.010%
66	9.988	2921	2923	2926	rBV2	505	350	0.01%	0.001%
67	10.107	2955	2960	2963	rBV2	637	529	0.01%	0.002%
68	10.175	2973	2981	2986	rBV4	1284	1720	0.04%	0.007%
69	10.217	2991	2994	2997	rBV2	605	381	0.01%	0.002%
70	10.236	2997	3000	3005	rVB2	384	371	0.01%	0.002%
71	10.355	3034	3037	3044	rVB3	504	502	0.01%	0.002%

LSC Area Percent Report

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Sample : J4451-22
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZL2

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\SOMULM080918WMA.M
Title : VOC Analysis

72	10.435	3050	3062	3088	rBV2	329030	797097	19.14%	3.297%
73	10.612	3106	3117	3126	rVV3	18651	35691	0.86%	0.148%
74	10.657	3126	3131	3145	rVB2	10257	16766	0.40%	0.069%
75	10.763	3157	3164	3165	rBV3	689	589	0.01%	0.002%
76	10.779	3166	3169	3172	rVB2	1088	771	0.02%	0.003%
77	10.895	3199	3205	3210	rBV3	390	528	0.01%	0.002%
78	10.979	3222	3231	3232	rBV4	2763	3074	0.07%	0.013%
79	11.008	3232	3240	3253	rVB	28384	46363	1.11%	0.192%
80	11.152	3271	3285	3304	rBV	746482	1121343	26.93%	4.638%
81	11.358	3346	3349	3356	rVB3	497	665	0.02%	0.003%
82	11.390	3356	3359	3362	rBV2	637	439	0.01%	0.002%
83	11.422	3362	3369	3373	rBV5	1305	1566	0.04%	0.006%
84	11.490	3377	3390	3393	rBV	406279	649049	15.59%	2.685%
85	11.631	3429	3434	3437	rBV3	1150	1311	0.03%	0.005%
86	11.696	3443	3454	3468	rVB3	12711	24591	0.59%	0.102%
87	11.863	3493	3506	3526	rVV	468422	757465	18.19%	3.133%
88	12.120	3584	3586	3591	rVB2	507	361	0.01%	0.001%
89	12.406	3667	3675	3679	rBV3	679	1050	0.03%	0.004%
90	12.483	3683	3699	3710	rBV2	5081	8668	0.21%	0.036%
91	12.660	3740	3754	3769	rBV	94068	151215	3.63%	0.625%
92	13.027	3866	3868	3871	rBV2	501	345	0.01%	0.001%
93	13.223	3919	3929	3940	rBV2	22977	33558	0.81%	0.139%
94	13.506	4012	4017	4025	rBV5	1417	1789	0.04%	0.007%
95	13.747	4086	4092	4100	rBV4	1029	1701	0.04%	0.007%
96	13.988	4155	4167	4191	rBV	399132	668810	16.06%	2.766%
97	14.281	4254	4258	4264	rVB4	960	1132	0.03%	0.005%
98	14.615	4359	4362	4365	rBV2	607	482	0.01%	0.002%
99	14.853	4433	4436	4440	rBV3	668	665	0.02%	0.003%
100	15.606	4668	4670	4675	rBV4	683	729	0.02%	0.003%

Sum of corrected areas: 24175347

LSC Report - Integrated Chromatogram

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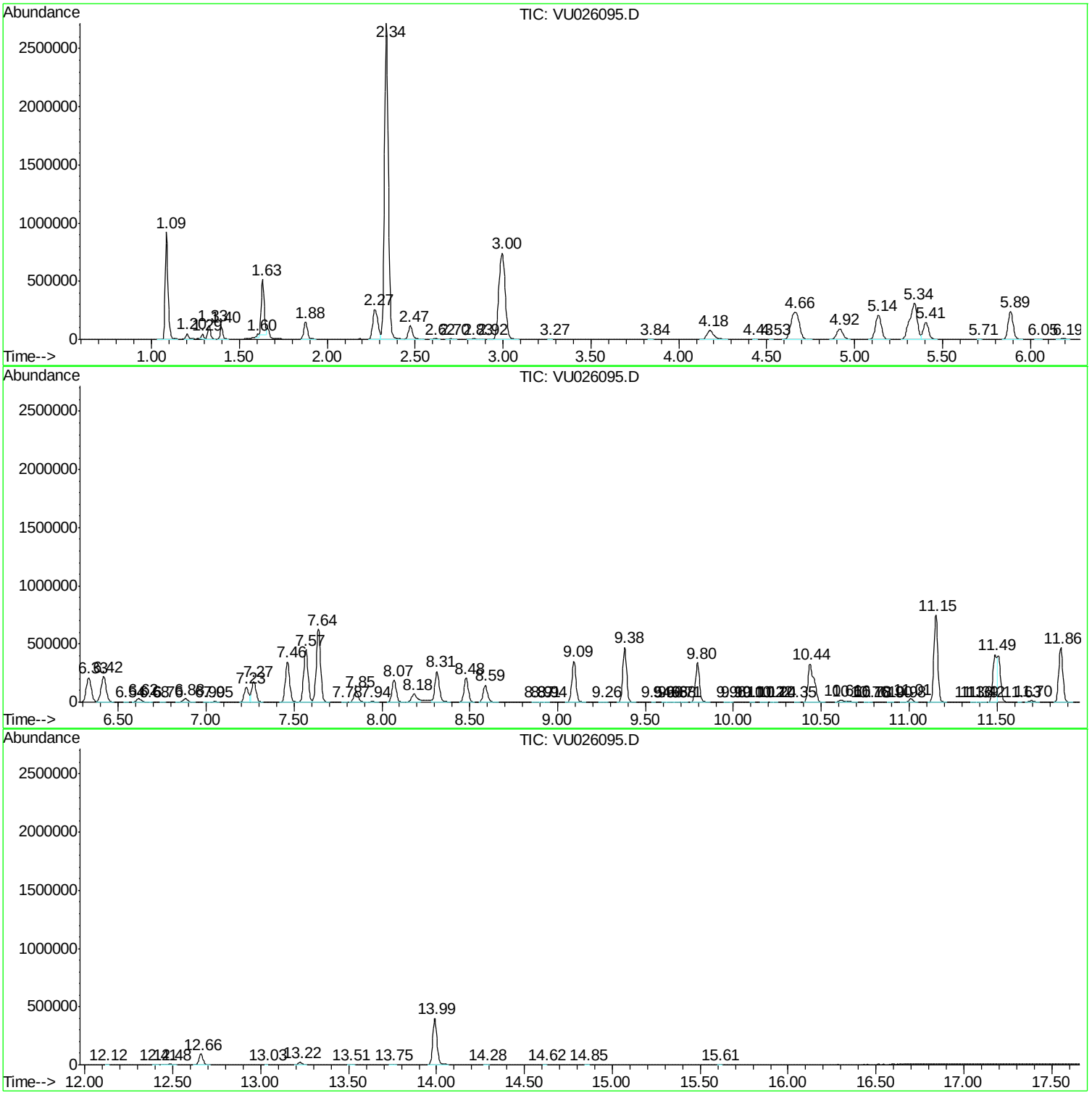
Operator : MD/SY
Sample : J4451-22
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.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\VU081418\
Data File : VU026095.D
Acq On : 14 Aug 2018 11:51
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis

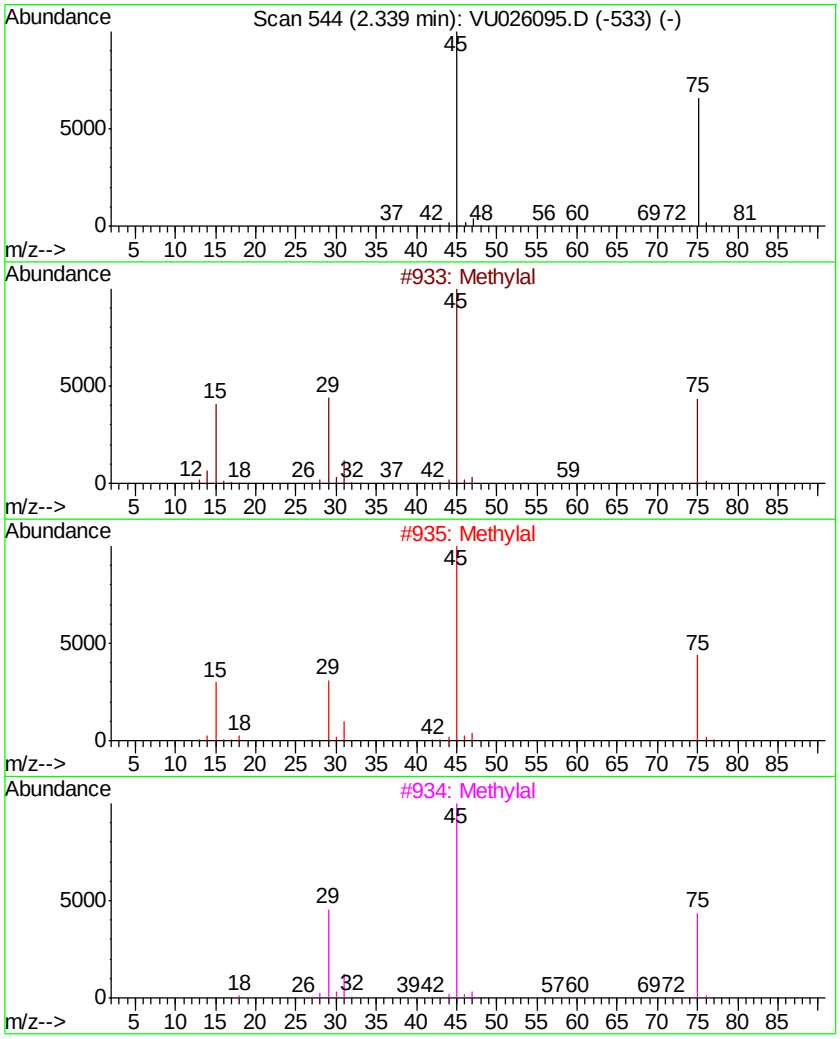
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

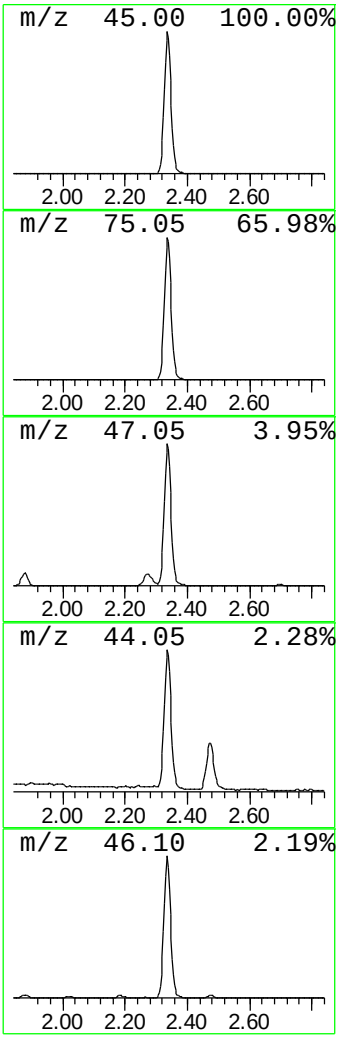
****

Peak Number 2 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	435.85 ug/L	4163860	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	78
2	Methylal	76	C3H8O2	000109-87-5	78
3	Methylal	76	C3H8O2	000109-87-5	59
4	Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	9
5	Ethanethioamide	75	C2H5NS	000062-55-5	5





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : A4ZL2

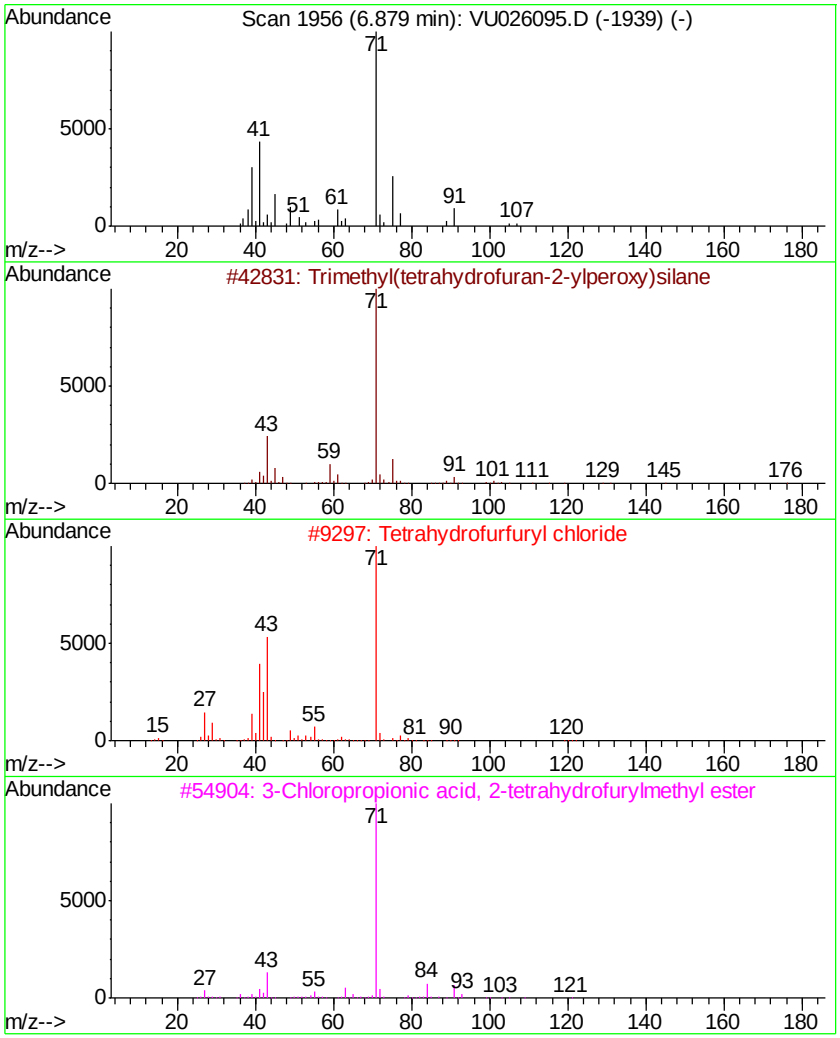
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis

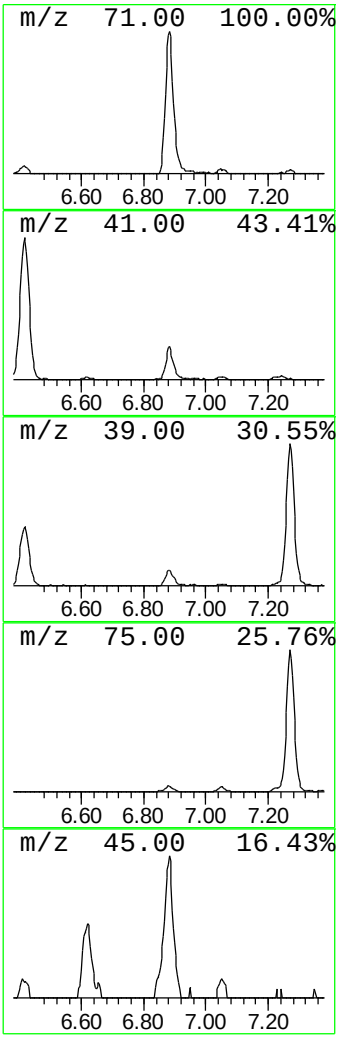
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trimethyl(tetrahydrofuran-2... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	6.10 ug/L	58247	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethyl(tetrahydrofuran-2-ylpe...	176	C7H16O3Si	1000368-50-8	50
2	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	33
3	3-Chloropropionic acid, 2-tetrah...	192	C8H13ClO3	004647-34-1	28
4	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	28
5	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	28





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ClientSampleId : A4ZL2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
Quant Title : VOC Analysis

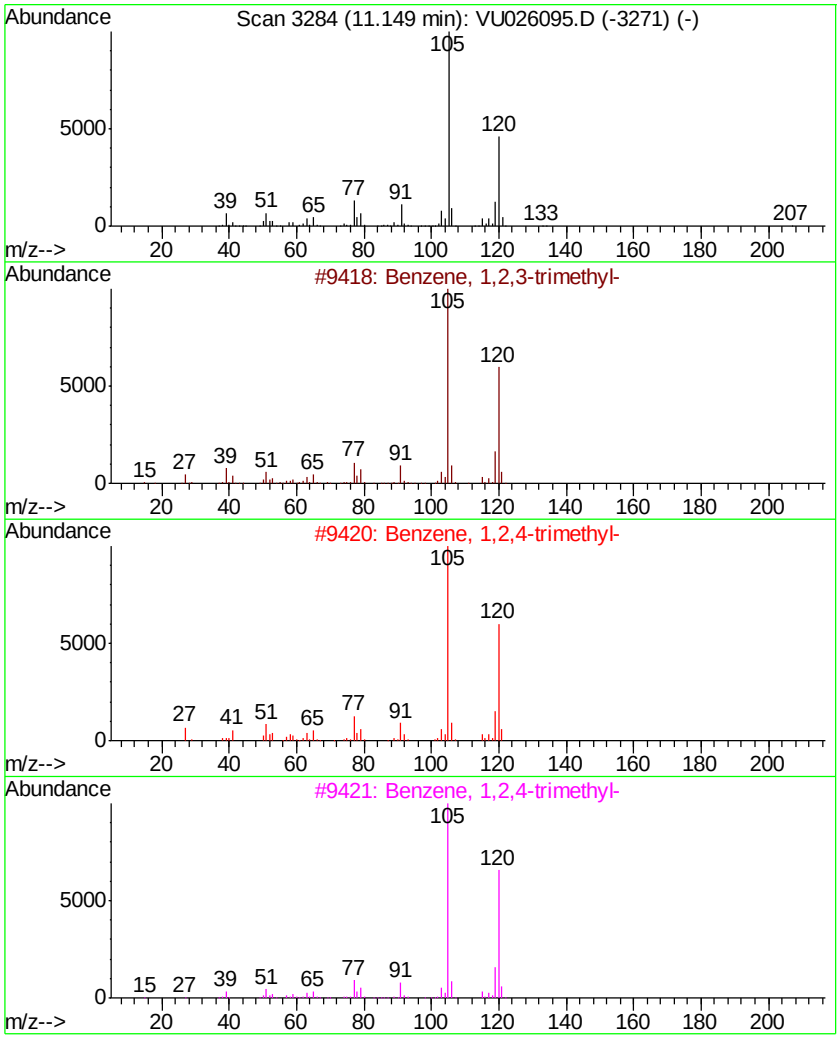
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

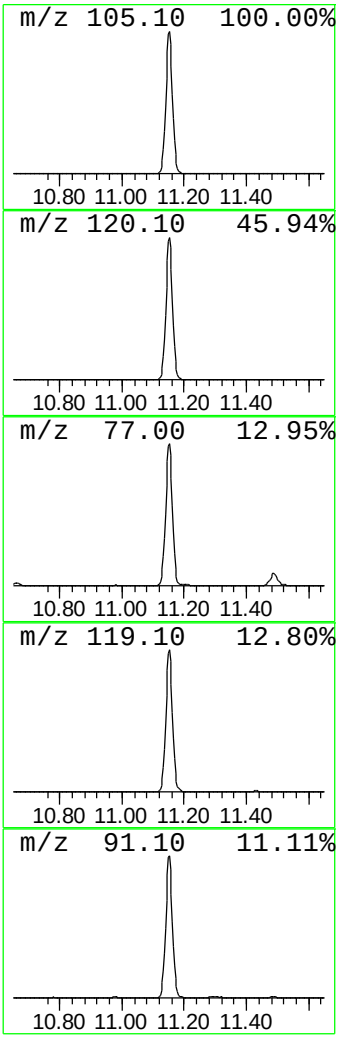
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	86.38 ug/L	1121340	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.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
Methylal	2.34	435.9	ug/L	4163860	1	5.89	477672	50.0
Trimethyl(tetrahy...	6.88	6.1	ug/L	58247	1	5.89	477672	50.0
Benzene, 1,2,3-tr...	11.15	86.4	ug/L	1121340	3	11.49	649049	50.0