LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025940.D
Acq On : 07 Aug 2018 14:59
Operator : MD/SY
Sample : J4363-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

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\SOMULM080718WMA.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	0.889	89	93	97	rVB2	372	323	0.00%	0.001%
2	1.085	136	154	175	rBV	1058803	1201897	16.51%	3.747%
3	1.204	185	191	206	rVB	50401	53719	0.74%	0.167%
4	1.291	212	218	224	rBV	43765	43152	0.59%	0.135%
5	1.330	224	230	241	rVB	127207	140349	1.93%	0.438%
6	1.397	244	251	265	rBV	148724	162719	2.24%	0.507%
7	1.606	312	316	318	rBV3	20253	17747	0.24%	0.055%
8	1.635	318	325	332	rBV	751664	895170	12.30%	2.791%
9	1.879	391	401	415	rBV	161491	225330	3.10%	0.702%
10	2.272	511	523	533	rBV2	337597	654088	8.99%	2.039%
11	2.336	533	543	568	rVB	4738868	7277879	100.00%	22.687%
12	2.474	575	586	608	rVB	133129	216845	2.98%	0.676%
13	2.612	620	629	644	rVB	9297	16471	0.23%	0.051%
14	2.699	647	656	666	rVB4	5322	9664	0.13%	0.030%
15	2.841	687	700	715	rVB2	7399	16687	0.23%	0.052%
16	2.995	729	748	771	rVV2	827546	2082755	28.62%	6.493%
17	3.175	801	804	807	rBV2	960	920	0.01%	0.003%
18	3.291	835	840	842	rBV4	546	482	0.01%	0.002%
19	3.445	886	888	895	rVB3	447	365	0.01%	0.001%
20	3.522	909	912	918	rBV3	418	397	0.01%	0.001%
21	3.825	999	1006	1009	rBV2	291	336	0.00%	0.001%
22	4.075	1078	1084	1087	rBV3	296	377	0.01%	0.001%
23	4.175	1100	1115	1141	rBV2	88572	237614	3.26%	0.741%
24	4.365	1171	1174	1180	rVB5	407	430	0.01%	0.001%
25	4.445	1196	1199	1203	rVB3	419	309	0.00%	0.001%
26	4.484	1207	1211	1216	rVB3	612	569	0.01%	0.002%
27	4.661	1245	1266	1297	rVB4	271593	911220	12.52%	2.841%
28	4.915	1328	1345	1364	rVV	101029	245116	3.37%	0.764%
29	4.992	1364	1369	1375	rVB5	860	1143	0.02%	0.004%
30	5.027	1375	1380	1382	rBV3	356	311	0.00%	0.001%
31	5.046	1383	1386	1391	rVB2	335	337	0.00%	0.001%
32	5.136	1396	1414	1438	rBV	207139	484556	6.66%	1.511%
33	5.230	1438	1443	1450	rVB3	353	468	0.01%	0.001%
34	5.342	1452	1478	1489	rBV2	389222	1136125	15.61%	3.542%

LSC Area Percent Report

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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Title : VOC Analysis

35	5.407	1490	1498	1519	rVB	163894	330283	4.54%	1.030%
36	5.506	1527	1529	1533	rVB3	550	383	0.01%	0.001%
37	5.571	1545	1549	1554	rBV2	615	548	0.01%	0.002%
38	5.654	1573	1575	1578	rVB3	521	306	0.00%	0.001%
39	5.673	1578	1581	1586	rBV2	469	424	0.01%	0.001%
40	5.712	1586	1593	1594	rBV3	757	651	0.01%	0.002%
41	5.889	1630	1648	1675	rBV	437060	856910	11.77%	2.671%
42	6.053	1689	1699	1705	rBV5	2104	3720	0.05%	0.012%
43	6.101	1710	1714	1717	rBV3	426	327	0.00%	0.001%
44	6.188	1731	1741	1753	rVB5	6282	11725	0.16%	0.037%
45	6.333	1772	1786	1800	rBV	255417	502987	6.91%	1.568%
46	6.416	1800	1812	1837	rVB2	236781	481990	6.62%	1.503%
47	6.615	1863	1874	1895	rBV	36021	72067	0.99%	0.225%
48	6.754	1913	1917	1929	rVB6	962	1586	0.02%	0.005%
49	6.808	1929	1934	1939	rVB2	309	310	0.00%	0.001%
50	6.882	1942	1957	1971	rBV	33855	61052	0.84%	0.190%
51	7.053	1999	2010	2020	rBV2	5276	9187	0.13%	0.029%
52	7.230	2050	2065	2071	rBV	162405	278908	3.83%	0.869%
53	7.271	2072	2078	2097	rVB	207760	347830	4.78%	1.084%
54	7.461	2124	2137	2155	rBV	351186	612571	8.42%	1.910%
55	7.567	2158	2170	2181	rVV	561432	967704	13.30%	3.017%
56	7.638	2181	2192	2221	rVB	699736	1215736	16.70%	3.790%
57	7.853	2247	2259	2280	rVB	120886	219459	3.02%	0.684%
58	7.943	2280	2287	2291	rBV6	1764	2293	0.03%	0.007%
59	8.069	2314	2326	2341	rVV	206801	351405	4.83%	1.095%
60	8.233	2369	2377	2383	rVB5	2995	4592	0.06%	0.014%
61	8.313	2390	2402	2436	rBV	292670	493687	6.78%	1.539%
62	8.480	2441	2454	2473	rVB	192904	327925	4.51%	1.022%
63	8.590	2475	2488	2513	rVB	161012	276633	3.80%	0.862%
64	8.840	2563	2566	2570	rVB	523	428	0.01%	0.001%
65	9.011	2616	2619	2625	rBV2	353	382	0.01%	0.001%
66	9.091	2631	2644	2683	rVB	632424	1037766	14.26%	3.235%
67	9.255	2687	2695	2702	rBV2	3132	4212	0.06%	0.013%
68	9.381	2720	2734	2757	rBV	553011	867379	11.92%	2.704%
69	9.506	2770	2773	2776	rBV3	412	318	0.00%	0.001%
70	9.795	2851	2863	2898	rVB	365855	584456	8.03%	1.822%
71	9.921	2900	2902	2906	rVB2	667	406	0.01%	0.001%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Title : VOC Analysis

72	9.963	2906	2915	2925	rBV7	1858	3086	0.04%	0.010%
73	10.017	2928	2932	2936	rBV3	328	360	0.00%	0.001%
74	10.172	2975	2980	2987	rVB5	2192	2625	0.04%	0.008%
75	10.210	2988	2992	2997	rVB2	341	329	0.00%	0.001%
76	10.239	2997	3001	3008	rBV2	756	983	0.01%	0.003%
77	10.316	3017	3025	3034	rVB7	3494	5274	0.07%	0.016%
78	10.435	3049	3062	3088	rVB2	359662	876540	12.04%	2.732%
79	10.590	3102	3110	3112	rBV4	776	913	0.01%	0.003%
80	10.657	3121	3131	3146	rBV2	21055	35301	0.49%	0.110%
81	10.776	3162	3168	3176	rVB4	2554	3705	0.05%	0.012%
82	10.975	3216	3230	3232	rBV4	4248	5439	0.07%	0.017%
83	11.011	3232	3241	3256	rVB	42583	69317	0.95%	0.216%
84	11.152	3272	3285	3302	rBV	854809	1307279	17.96%	4.075%
85	11.422	3362	3369	3376	rVV5	2846	3977	0.05%	0.012%
86	11.487	3377	3389	3411	rBV2	728644	1760301	24.19%	5.487%
87	11.696	3443	3454	3469	rVB2	19969	33493	0.46%	0.104%
88	11.773	3475	3478	3481	rVB3	588	389	0.01%	0.001%
89	11.863	3494	3506	3525	rBV	580309	938987	12.90%	2.927%
90	12.017	3552	3554	3561	rVB3	1045	806	0.01%	0.003%
91	12.059	3564	3567	3569	rBV	534	372	0.01%	0.001%
92	12.554	3716	3721	3724	rBV2	476	457	0.01%	0.001%
93	12.660	3739	3754	3769	rBV2	107557	172881	2.38%	0.539%
94	12.895	3820	3827	3838	rVB6	2148	3114	0.04%	0.010%
95	12.937	3838	3840	3844	rBV	419	310	0.00%	0.001%
96	13.001	3853	3860	3862	rBV5	1774	1931	0.03%	0.006%
97	13.223	3922	3929	3938	rBV6	5133	7449	0.10%	0.023%
98	13.509	4011	4018	4030	rVB5	3822	5954	0.08%	0.019%
99	13.747	4086	4092	4103	rBV2	4051	6260	0.09%	0.020%
100	13.991	4155	4168	4193	rBV	523048	866742	11.91%	2.702%

Sum of corrected areas: 32078990

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
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Acq On : 07 Aug 2018 14:59
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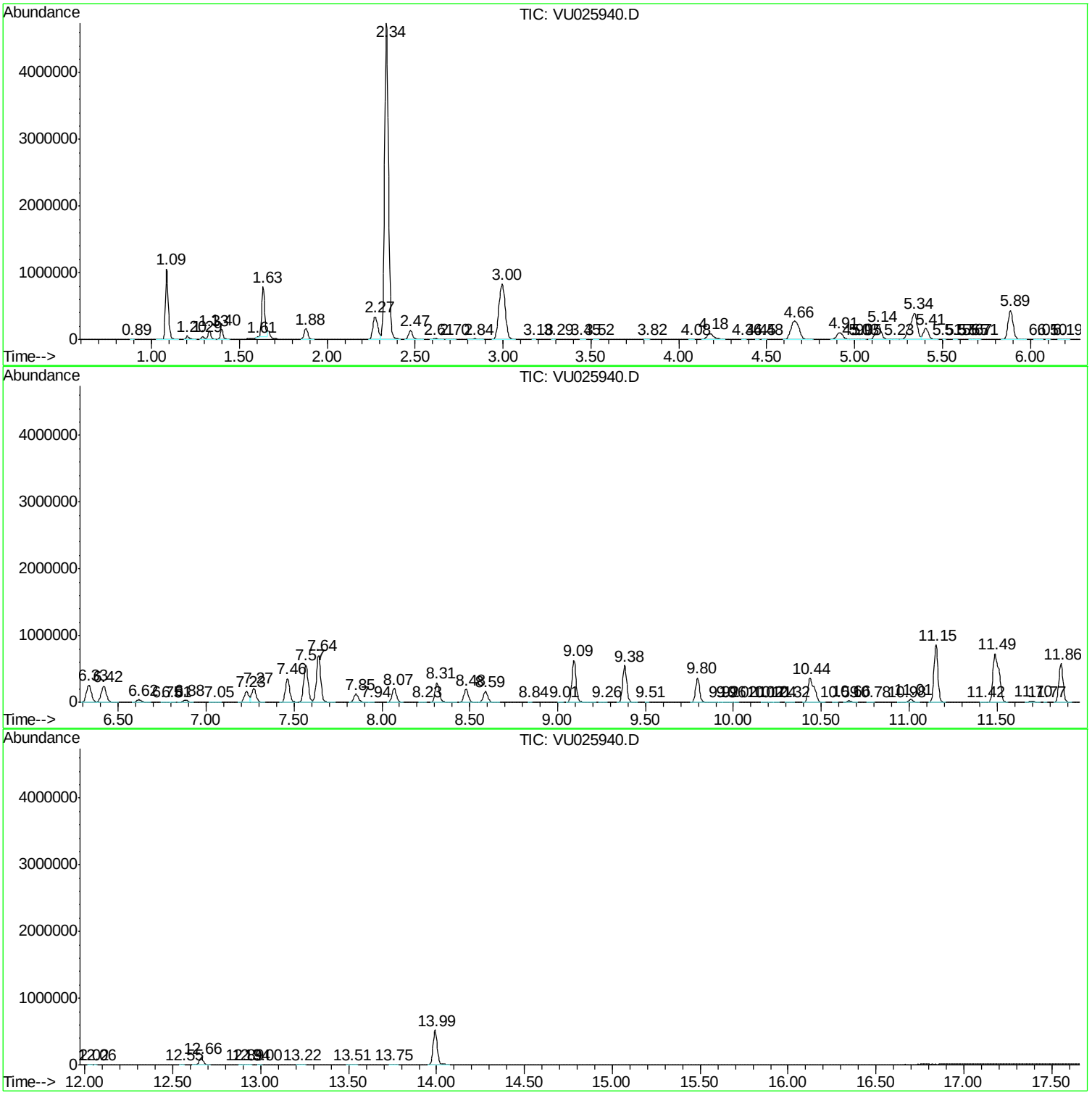
Sample : J4363-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
Data File : VU025940.D
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis

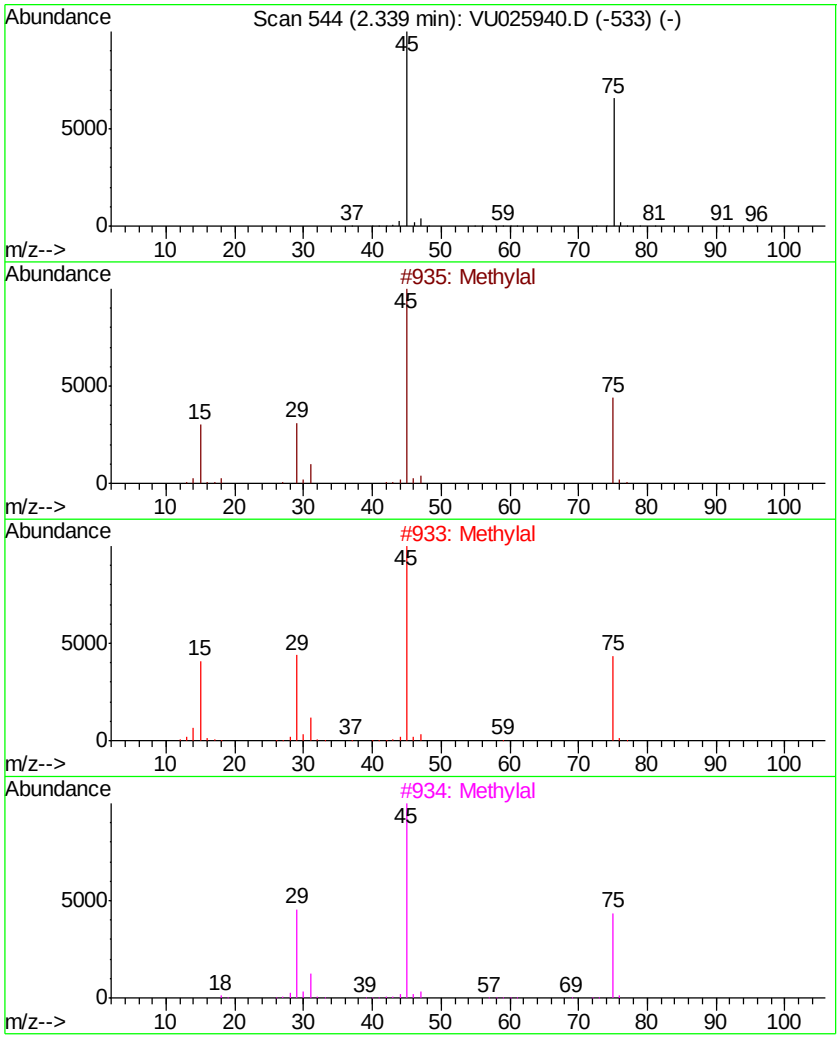
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

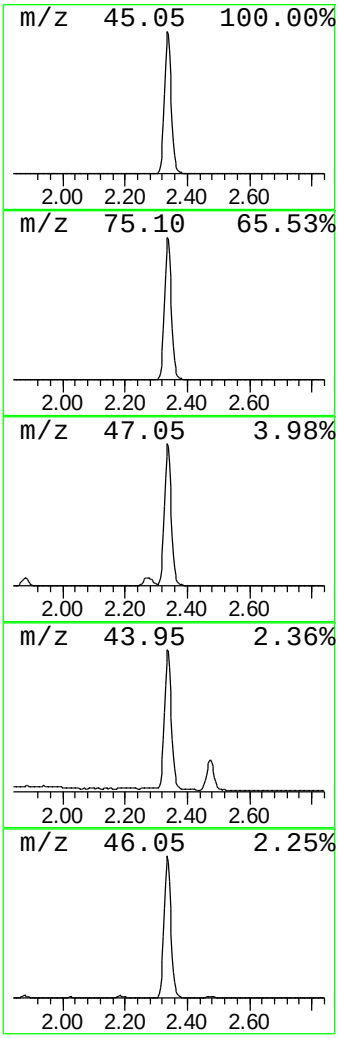
****

Peak Number 2 Methylal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	424.66 ug/L	7277880	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025940.D
Acq On : 07 Aug 2018 14:59
Operator : MD/SY
Sample : J4363-07
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A4ZD6

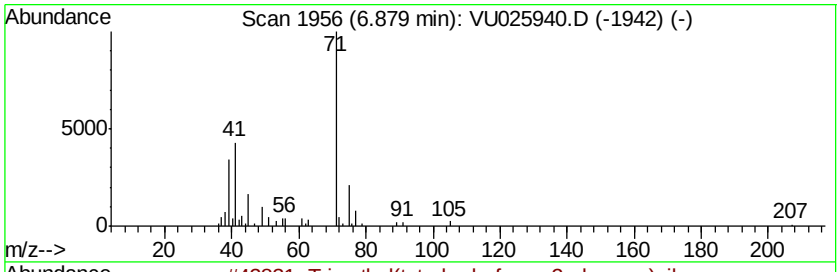
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis

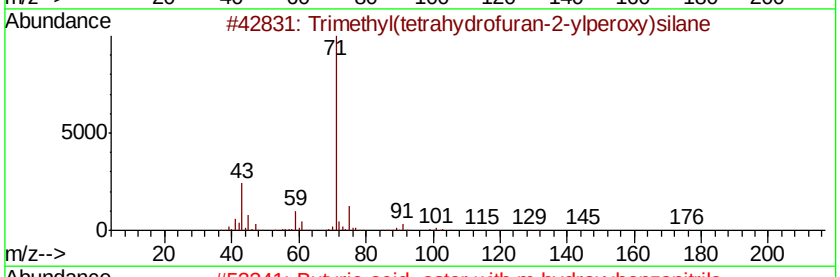
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

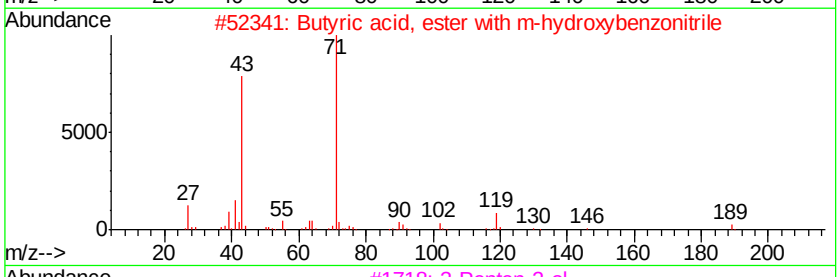
****
Peak Number 4 Trimethyl(tetrahydrofuran-2... Concentration Rank 5

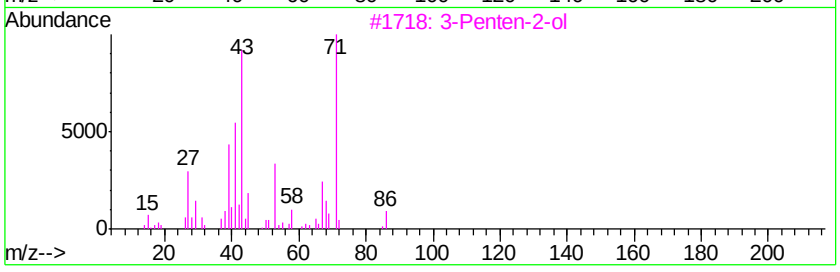
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	3.56 ug/L	61052	1,4-Difluorobenzene	5.89

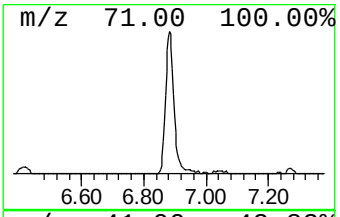
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trimethyl(tetrahydrofuran-2-ylpe...	176	C7H16O3Si	1000368-50-8	50
2	Butyric acid, ester with m-hydro...	189	C11H11NO2	029052-09-3	38
3	3-Penten-2-ol	86	C5H10O	001569-50-2	36
4	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	33
5	3-Chloro-2-buten-1-ol	106	C4H7ClO	040605-42-3	33

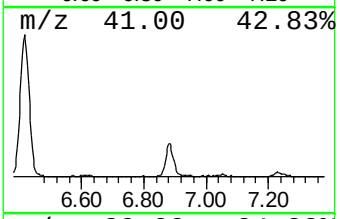


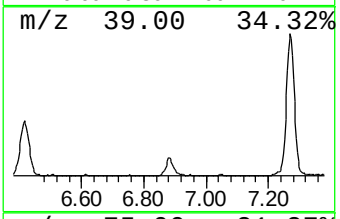


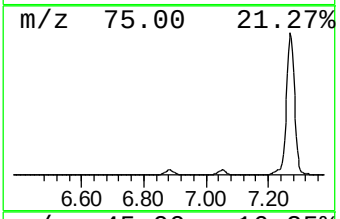


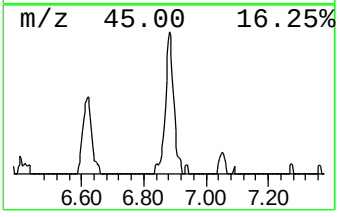












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ClientSampleId : A4ZD6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis

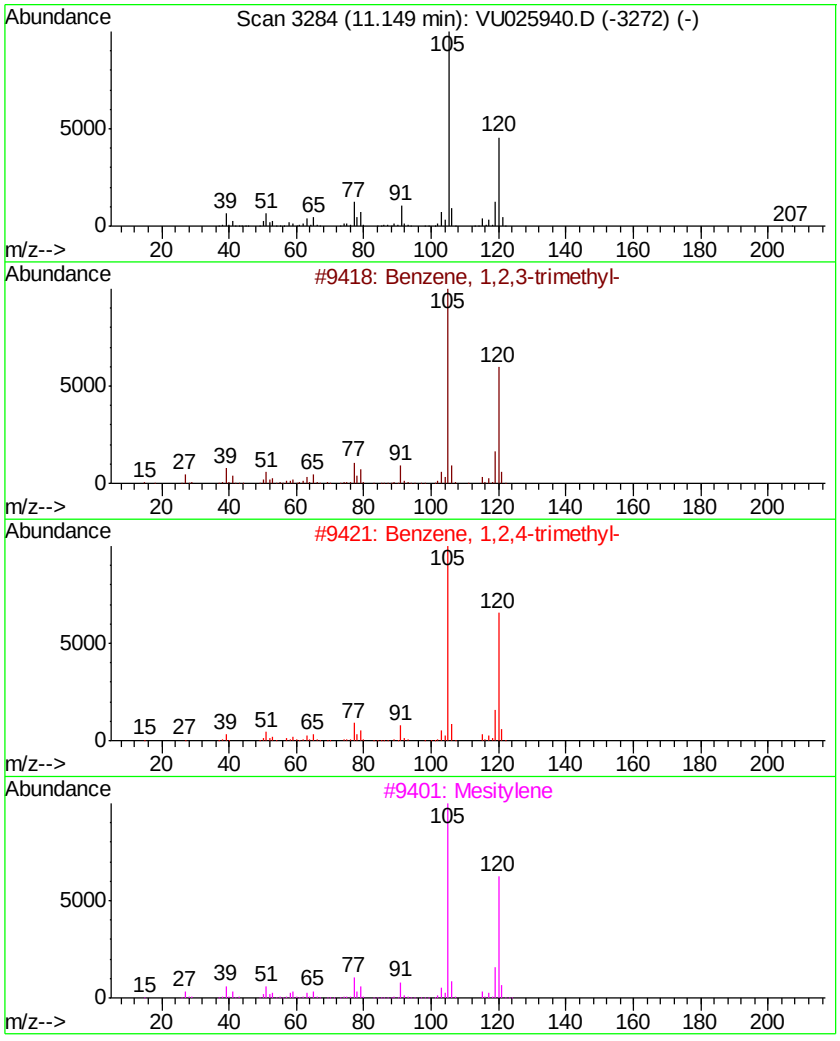
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

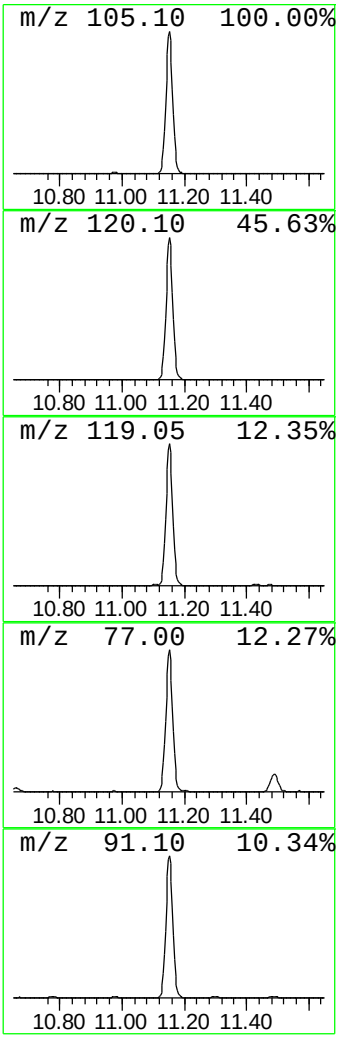
****

Peak Number 5 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	37.13 ug/L	1307280	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	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Tentatively Identified Compound (LSC) summary

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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	424.7	ug/L	7277880	1	5.89	856910	50.0
Trimethyl(tetrahy...	6.88	3.6	ug/L	61052	1	5.89	856910	50.0
Benzene, 1,2,4-tr...	11.15	37.1	ug/L	1307280	3	11.49	1760300	50.0