LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
Data File : VU030797.D
Acq On : 06 Apr 2019 14:00
Operator : JC/SP
Sample : K2299-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

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\SOMULM040519WMA.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	1.177	23	27	29	rBV	14735	12079	0.52%	0.034%
2	1.199	29	34	52	rVB	212841	216472	9.40%	0.605%
3	1.289	56	62	66	rVV	59540	58038	2.52%	0.162%
4	1.322	66	72	80	rVB	249382	244197	10.61%	0.682%
5	1.396	87	95	110	rBV2	780676	847285	36.81%	2.366%
6	1.598	153	158	164	rVB	148487	138282	6.01%	0.386%
7	1.630	165	168	171	rBV	27094	23635	1.03%	0.066%
8	1.659	171	177	181	rBV	202293	244651	10.63%	0.683%
9	1.871	234	243	262	rVB	477888	678259	29.47%	1.894%
10	2.270	353	367	380	rBV4	1225859	2301679	100.00%	6.428%
11	2.334	381	387	402	rVB	92342	145896	6.34%	0.407%
12	2.424	412	415	419	rBV5	1218	840	0.04%	0.002%
13	2.572	458	461	464	rBV5	831	570	0.02%	0.002%
14	2.694	485	499	525	rVB	403667	752300	32.68%	2.101%
15	2.801	526	532	533	rBV5	652	663	0.03%	0.002%
16	2.875	551	555	558	rBV3	598	464	0.02%	0.001%
17	2.974	568	586	609	rBV	201739	383788	16.67%	1.072%
18	3.177	645	649	650	rVV	677	488	0.02%	0.001%
19	3.206	653	658	662	rVB4	862	752	0.03%	0.002%
20	3.286	679	683	686	rBV3	962	882	0.04%	0.002%
21	3.437	714	730	750	rBV	441792	979839	42.57%	2.737%
22	3.611	781	784	788	rBV3	949	870	0.04%	0.002%
23	3.842	853	856	858	rBV4	714	463	0.02%	0.001%
24	3.891	863	871	874	rBV5	966	1191	0.05%	0.003%
25	3.961	888	893	897	rVV3	909	867	0.04%	0.002%
26	4.174	946	959	963	rBV	222750	429309	18.65%	1.199%
27	4.540	1058	1073	1090	rBV	257326	604514	26.26%	1.688%
28	4.656	1091	1109	1135	rVB4	568537	1851390	80.44%	5.171%
29	4.910	1172	1188	1207	rVB3	157131	390159	16.95%	1.090%
30	5.125	1236	1255	1278	rVV	433708	1013241	44.02%	2.830%
31	5.334	1295	1320	1327	rBV2	736250	2096913	91.10%	5.856%
32	5.707	1430	1436	1450	rVB5	4900	11092	0.48%	0.031%
33	5.820	1468	1471	1476	rBV7	734	560	0.02%	0.002%
34	5.881	1476	1490	1518	rBV	607814	1217296	52.89%	3.400%

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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

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\SOMULM040519WMA.M
Title : VOC Analysis

35	6.109	1559	1561	1564	rBV2	987	546	0.02%	0.002%
36	6.180	1569	1583	1609	rBV	890737	1743947	75.77%	4.871%
37	6.325	1615	1628	1646	rBV	475631	955905	41.53%	2.670%
38	6.427	1648	1660	1682	rVB	436862	859280	37.33%	2.400%
39	6.752	1746	1761	1782	rBV	164719	315563	13.71%	0.881%
40	6.890	1790	1804	1810	rBV3	14518	26928	1.17%	0.075%
41	7.170	1889	1891	1895	rBV3	1156	873	0.04%	0.002%
42	7.225	1896	1908	1914	rVV	283641	486660	21.14%	1.359%
43	7.267	1915	1921	1948	rVV2	263999	474628	20.62%	1.326%
44	7.389	1952	1959	1980	rVB3	30605	64018	2.78%	0.179%
45	7.559	1999	2012	2029	rBV	928306	1617665	70.28%	4.518%
46	7.759	2071	2074	2077	rVB3	1286	780	0.03%	0.002%
47	7.849	2090	2102	2103	rBV	228338	268324	11.66%	0.749%
48	7.874	2106	2110	2133	rVB	512918	793218	34.46%	2.215%
49	8.064	2157	2169	2194	rVB	320504	556839	24.19%	1.555%
50	8.222	2205	2218	2235	rBV	929911	1558283	67.70%	4.352%
51	8.308	2235	2245	2277	rVB	719283	1275434	55.41%	3.562%
52	8.472	2285	2296	2312	rVB	314728	539252	23.43%	1.506%
53	8.582	2319	2330	2349	rVB	176056	308998	13.42%	0.863%
54	8.813	2400	2402	2406	rBV2	533	502	0.02%	0.001%
55	9.087	2474	2487	2511	rBV	888773	1506410	65.45%	4.207%
56	9.202	2512	2523	2554	rVB	690298	1161849	50.48%	3.245%
57	9.382	2576	2579	2585	rBV6	1093	1195	0.05%	0.003%
58	9.495	2610	2614	2615	rBV2	791	562	0.02%	0.002%
59	9.530	2621	2625	2627	rBV2	606	515	0.02%	0.001%
60	9.607	2647	2649	2654	rBV3	1052	934	0.04%	0.003%
61	9.636	2654	2658	2660	rBV3	679	525	0.02%	0.001%
62	9.697	2670	2677	2681	rBV6	1539	1783	0.08%	0.005%
63	9.720	2681	2684	2688	rVV3	1363	1018	0.04%	0.003%
64	9.829	2713	2718	2722	rBV5	977	962	0.04%	0.003%
65	9.884	2730	2735	2739	rBV3	1096	954	0.04%	0.003%
66	9.955	2745	2757	2772	rBV	342639	564170	24.51%	1.576%
67	10.119	2805	2808	2811	rVB3	886	494	0.02%	0.001%
68	10.138	2811	2814	2817	rBV3	788	666	0.03%	0.002%
69	10.157	2817	2820	2824	rVB4	584	497	0.02%	0.001%
70	10.218	2836	2839	2843	rVV2	856	726	0.03%	0.002%
71	10.344	2874	2878	2881	rBV3	712	651	0.03%	0.002%

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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

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\SOMULM040519WMA.M
Title : VOC Analysis

72	10.431	2891	2905	2909	rBV	672436	1132704	49.21%	3.164%
73	10.598	2953	2957	2958	rBV3	1316	728	0.03%	0.002%
74	10.675	2978	2981	2987	rVB4	912	868	0.04%	0.002%
75	10.868	3039	3041	3046	rVB2	544	471	0.02%	0.001%
76	10.971	3066	3073	3079	rBV9	3592	5706	0.25%	0.016%
77	11.025	3087	3090	3093	rBV2	998	713	0.03%	0.002%
78	11.099	3107	3113	3115	rBV4	3416	3562	0.15%	0.010%
79	11.144	3115	3127	3149	rVV	1141282	1741431	75.66%	4.864%
80	11.414	3208	3211	3212	rBV4	1341	878	0.04%	0.002%
81	11.479	3220	3231	3256	rBV	878412	1415056	61.48%	3.952%
82	11.684	3289	3295	3298	rBV6	1641	1797	0.08%	0.005%
83	11.855	3336	3348	3370	rBV	827722	1370135	59.53%	3.827%
84	12.440	3528	3530	3535	rBB3	793	587	0.03%	0.002%
85	12.472	3535	3540	3545	rBV5	1908	2422	0.11%	0.007%
86	12.543	3558	3562	3567	rBV5	814	1056	0.05%	0.003%
87	12.652	3584	3596	3616	rBV2	218195	374214	16.26%	1.045%
88	12.832	3649	3652	3655	rBV2	1262	854	0.04%	0.002%
89	12.868	3661	3663	3670	rBV6	779	802	0.03%	0.002%
90	12.958	3689	3691	3696	rBV3	643	511	0.02%	0.001%
91	13.286	3790	3793	3797	rVV2	1002	631	0.03%	0.002%
92	13.665	3906	3911	3916	rBV4	998	1265	0.05%	0.004%
93	13.967	4003	4005	4010	rBV3	784	749	0.03%	0.002%
94	14.080	4038	4040	4045	rBV3	1008	828	0.04%	0.002%
95	14.173	4066	4069	4071	rBV3	1087	641	0.03%	0.002%
96	14.350	4121	4124	4126	rBV2	1174	901	0.04%	0.003%
97	14.620	4204	4208	4210	rBV3	1079	962	0.04%	0.003%
98	14.710	4234	4236	4243	rVB4	815	687	0.03%	0.002%
99	14.742	4243	4246	4249	rBV3	1449	1099	0.05%	0.003%
100	14.945	4305	4309	4316	rBV6	1539	2327	0.10%	0.006%

Sum of corrected areas: 35805063

LSC Report - Integrated Chromatogram

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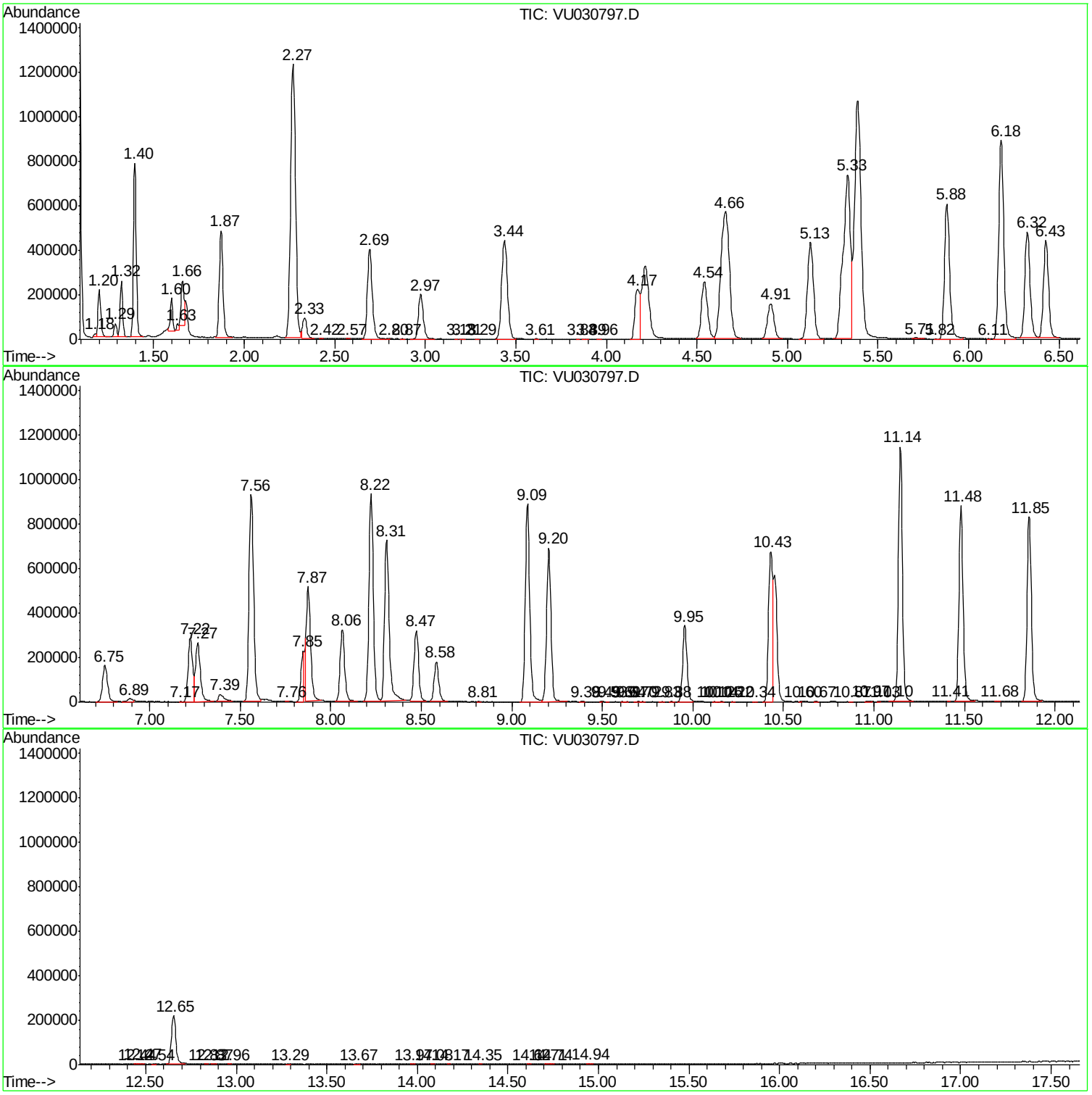
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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\VU040719\
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Instrument : MSVOA_U
ClientSampleId : DB6W7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

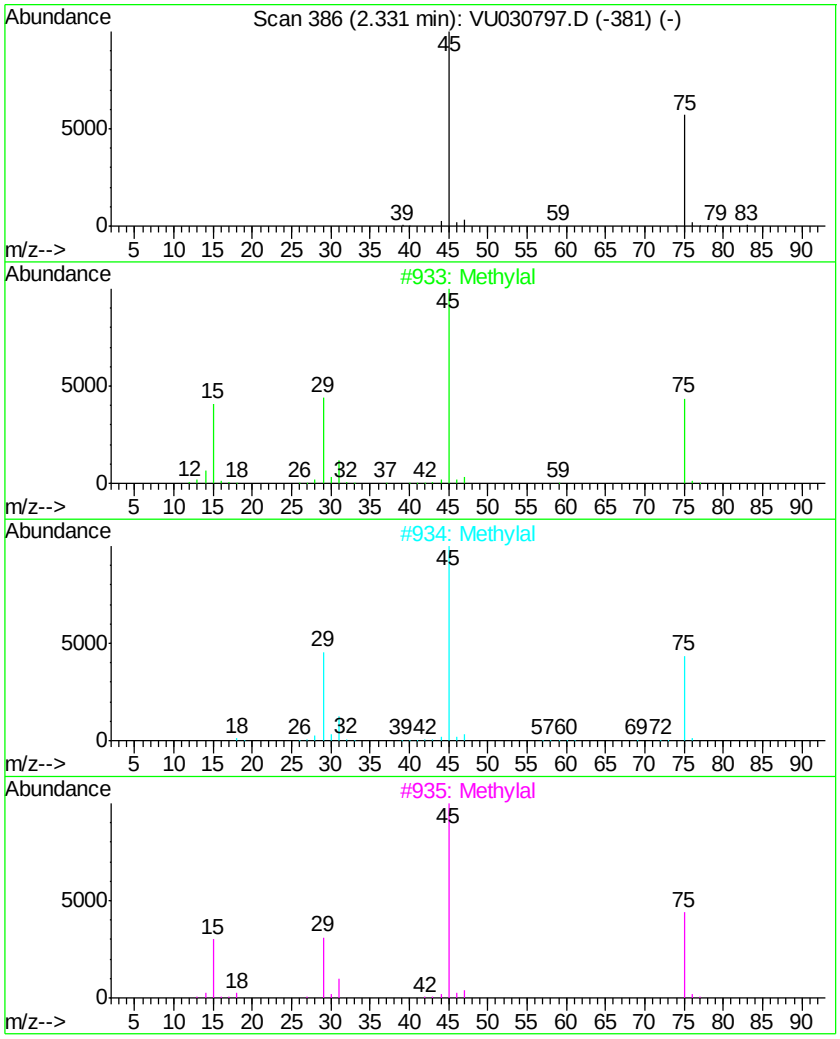
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

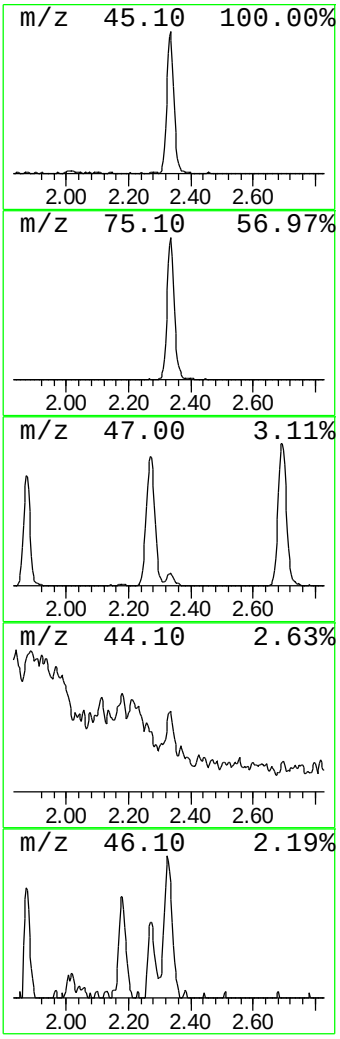
****

Peak Number 1 Methylal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	5.99 ug/L	145896	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	86
2	Methylal	76	C3H8O2	000109-87-5	9
3	Methylal	76	C3H8O2	000109-87-5	9
4	Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	7
5	Ethanethioamide	75	C2H5NS	000062-55-5	5





Library Search Compound Report

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Instrument : MSVOA_U
ClientSampleId : DB6W7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

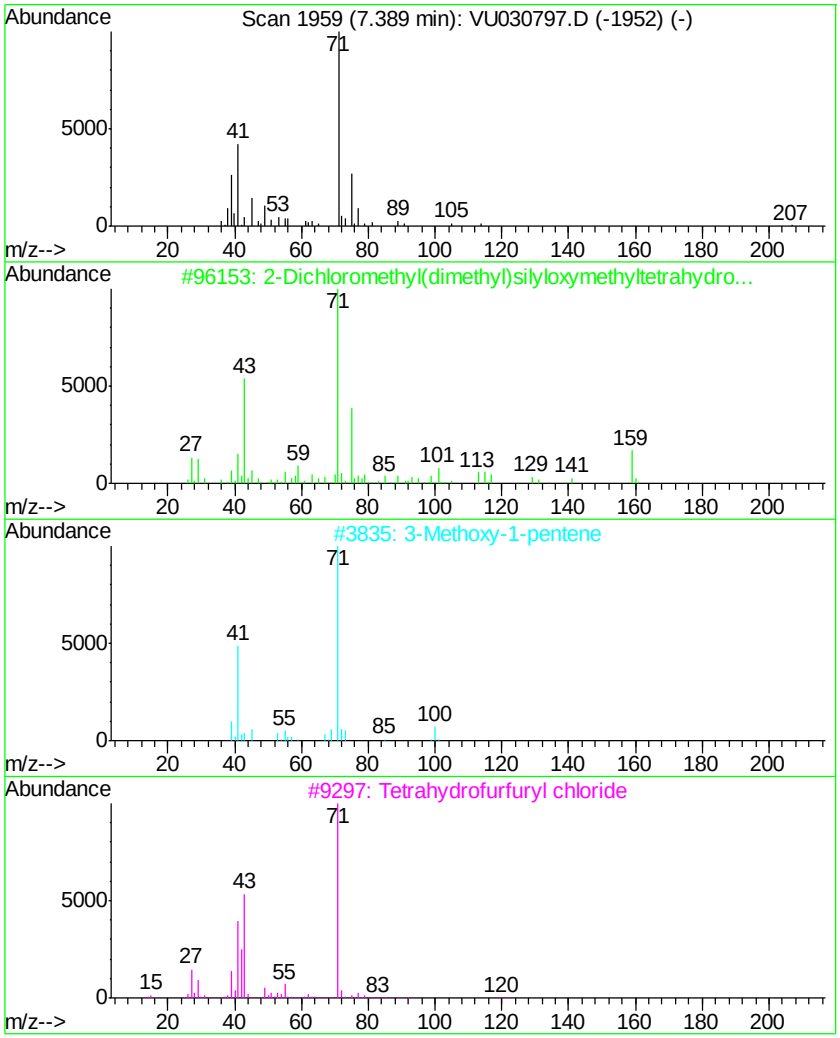
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

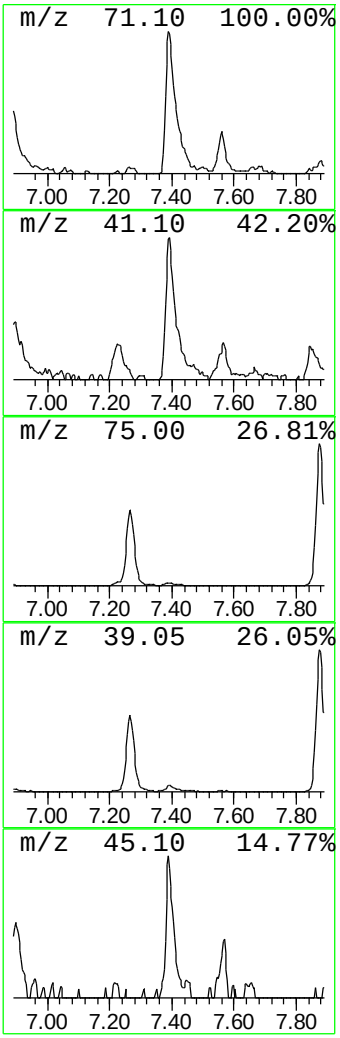
****

Peak Number 2 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	2.63 ug/L	64018	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dichloromethyl(dimethyl)silylo...	242	C8H16Cl2O2Si	1000279-98-9	45
2	3-Methoxy-1-pentene	100	C6H12O	014092-18-3	40
3	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	40
4	Trimethyl(tetrahydrofuran-2-ylpe...	176	C7H16O3Si	1000368-50-8	38
5	Butanoic acid, anhydride	158	C8H14O3	000106-31-0	36





Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

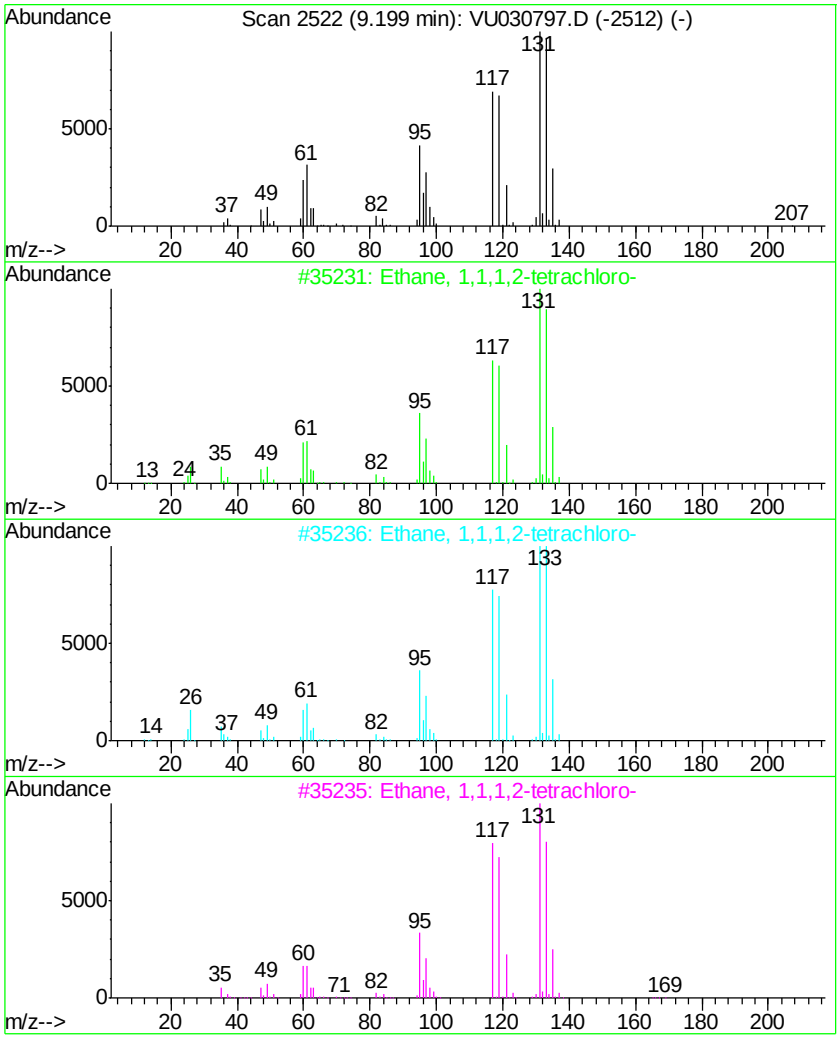
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

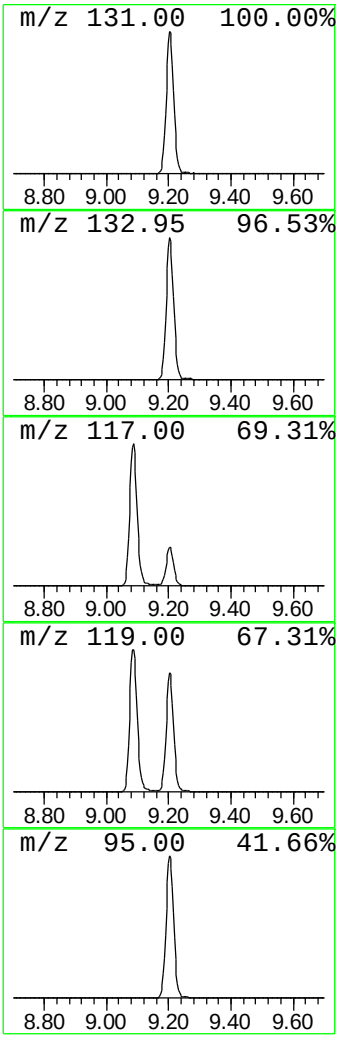
****

Peak Number 3 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	38.56 ug/L	1161850	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
2	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	91
3	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	86
4	Clorethate	322	C5H4Cl6O3	005634-37-7	64
5	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	50





Library Search Compound Report

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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

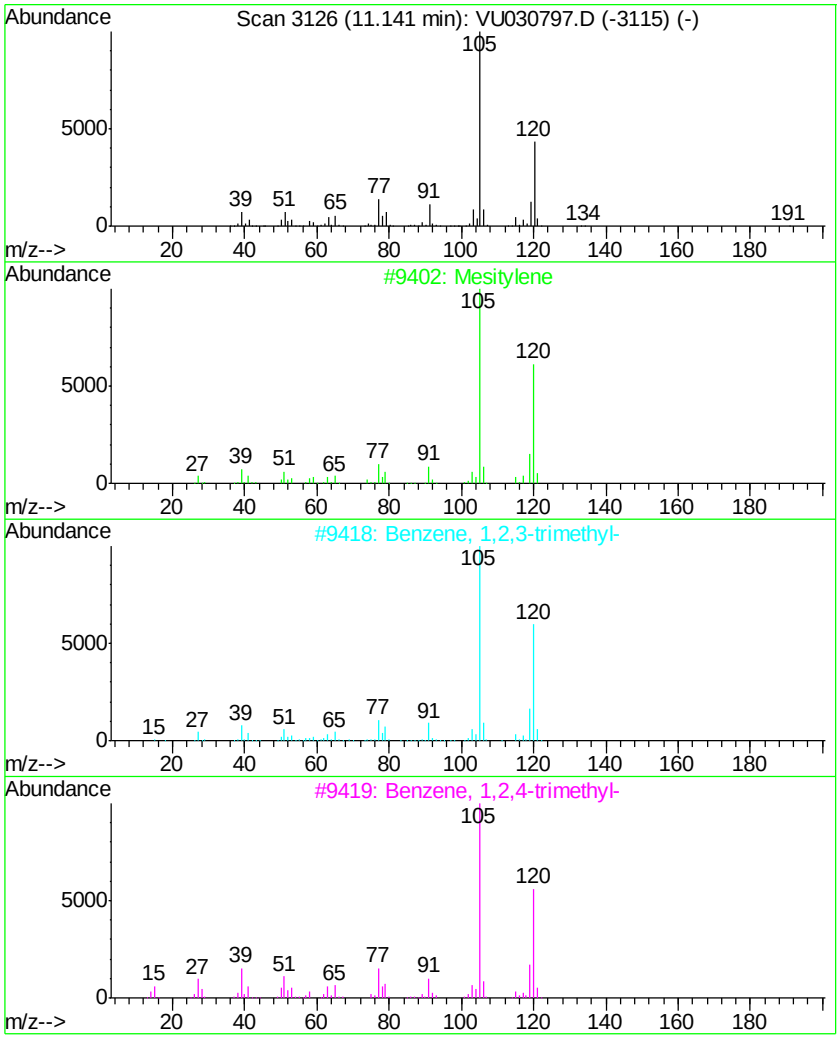
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

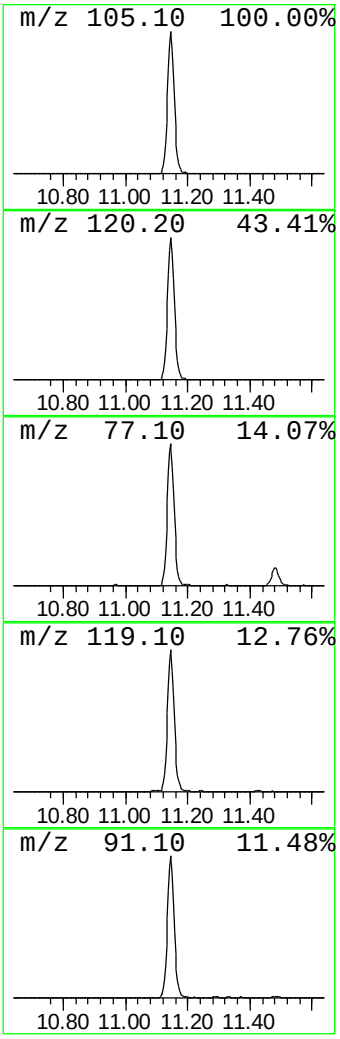
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	61.53 ug/L	1741430	1,4-Dichlorobenzene-d4	11.48

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





Tentatively Identified Compound (LSC) summary

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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6W7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.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	2.33	6.0	ug/L	145896	1	5.88	1217300	50.0
unknown-01	7.39	2.6	ug/L	64018	1	5.88	1217300	50.0
Ethane, 1,1,1,2-t...	9.20	38.6	ug/L	1161850	2	9.09	1506410	50.0
Benzene, 1,2,4-tr...	11.14	61.5	ug/L	1741430	3	11.48	1415060	50.0