LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU060819\
Data File : VU032546.D
Acq On : 08 Jun 2019 16:39
Operator : JC/SP
Sample : K3276-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8D9

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\SOMULM060619WMA.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	28	rBV	3943	2732	0.31%	0.019%
2	1.199	28	34	48	rVB	80706	82527	9.31%	0.573%
3	1.286	56	61	66	rBV	20360	18244	2.06%	0.127%
4	1.322	66	72	83	rVB	65332	73541	8.30%	0.511%
5	1.396	87	95	109	rBV2	218920	246934	27.86%	1.715%
6	1.601	154	159	164	rVB	51551	46573	5.25%	0.324%
7	1.656	171	176	180	rBV	57270	67122	7.57%	0.466%
8	1.871	233	243	259	rBV	187990	260477	29.39%	1.810%
9	2.270	354	367	379	rBV5	431968	772330	87.13%	5.365%
10	2.331	380	386	399	rVB	28388	44376	5.01%	0.308%
11	2.450	416	423	424	rBV2	875	829	0.09%	0.006%
12	2.527	443	447	450	rBV2	219	186	0.02%	0.001%
13	2.688	485	497	519	rVB	147002	254596	28.72%	1.769%
14	2.830	527	541	559	rBV	10214	22569	2.55%	0.157%
15	2.913	564	567	572	rVB2	196	211	0.02%	0.001%
16	2.971	573	585	608	rBV	75080	138378	15.61%	0.961%
17	3.312	687	691	696	rBV2	135	161	0.02%	0.001%
18	3.434	713	729	755	rVV	154637	340660	38.43%	2.367%
19	4.167	945	957	962	rBV	70079	139400	15.73%	0.968%
20	4.537	1058	1072	1089	rBV	97300	226527	25.56%	1.574%
21	4.656	1090	1109	1140	rVV5	203446	655483	73.95%	4.554%
22	4.762	1140	1142	1144	rVV	366	178	0.02%	0.001%
23	4.903	1170	1186	1204	rBV	61956	147683	16.66%	1.026%
24	5.006	1212	1218	1224	rVB2	186	289	0.03%	0.002%
25	5.048	1224	1231	1236	rBV2	136	211	0.02%	0.001%
26	5.125	1236	1255	1278	rBV	178874	416086	46.94%	2.891%
27	5.331	1292	1319	1326	rBV2	235971	679629	76.67%	4.721%
28	5.386	1328	1336	1367	rVV4	380369	886388	100.00%	6.158%
29	5.492	1367	1369	1373	rVB2	519	297	0.03%	0.002%
30	5.566	1386	1392	1397	rBV4	507	624	0.07%	0.004%
31	5.592	1397	1400	1403	rVB	222	169	0.02%	0.001%
32	5.611	1403	1406	1410	rVB2	208	165	0.02%	0.001%
33	5.637	1410	1414	1419	rBV2	282	283	0.03%	0.002%
34	5.665	1419	1423	1427	rVB2	262	247	0.03%	0.002%

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8D9

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\SOMULM060619WMA.M
Title : VOC Analysis

35	5.707	1427	1436	1452	rBV3	1810	3705	0.42%	0.026%
36	5.791	1458	1462	1469	rBV2	173	221	0.02%	0.002%
37	5.878	1473	1489	1513	rBV	249059	484205	54.63%	3.364%
38	6.177	1568	1582	1612	rBV	376718	725153	81.81%	5.038%
39	6.321	1614	1627	1645	rVV	154717	310223	35.00%	2.155%
40	6.424	1646	1659	1680	rVB	156275	302085	34.08%	2.099%
41	6.575	1703	1706	1711	rVB2	134	127	0.01%	0.001%
42	6.604	1711	1715	1726	rVB2	145	228	0.03%	0.002%
43	6.672	1726	1736	1739	rBV	273	297	0.03%	0.002%
44	6.701	1739	1745	1748	rBV	227	231	0.03%	0.002%
45	6.752	1748	1761	1777	rBV	60332	112348	12.67%	0.780%
46	6.891	1791	1804	1822	rBV4	4530	11256	1.27%	0.078%
47	7.003	1837	1839	1843	rVB2	345	241	0.03%	0.002%
48	7.106	1868	1871	1875	rBV2	374	297	0.03%	0.002%
49	7.222	1895	1907	1913	rBV	97919	165540	18.68%	1.150%
50	7.263	1915	1920	1945	rVB	100874	171554	19.35%	1.192%
51	7.389	1949	1959	1977	rBV	11408	24133	2.72%	0.168%
52	7.559	1999	2012	2036	rBV	324627	558688	63.03%	3.881%
53	7.845	2091	2101	2102	rVV	77579	82951	9.36%	0.576%
54	7.874	2104	2110	2144	rVB	194895	335396	37.84%	2.330%
55	8.019	2152	2155	2157	rBV2	380	267	0.03%	0.002%
56	8.061	2157	2168	2187	rVB	120636	205884	23.23%	1.430%
57	8.170	2194	2202	2204	rBV4	666	811	0.09%	0.006%
58	8.222	2205	2218	2234	rVV	419073	705789	79.63%	4.903%
59	8.305	2234	2244	2280	rVV	219585	392157	44.24%	2.724%
60	8.469	2283	2295	2311	rVB	131186	222952	25.15%	1.549%
61	8.582	2318	2330	2348	rBV	72526	124611	14.06%	0.866%
62	8.993	2451	2458	2462	rBV2	320	406	0.05%	0.003%
63	9.083	2474	2486	2511	rBV	364566	602899	68.02%	4.188%
64	9.202	2511	2523	2540	rVB	287767	472471	53.30%	3.282%
65	9.334	2559	2564	2568	rBV2	221	229	0.03%	0.002%
66	9.382	2575	2579	2584	rBV2	305	347	0.04%	0.002%
67	9.784	2701	2704	2707	rBV2	236	165	0.02%	0.001%
68	9.826	2714	2717	2721	rBV2	179	143	0.02%	0.001%
69	9.951	2744	2756	2775	rBV	146302	247843	27.96%	1.722%
70	10.061	2786	2790	2794	rBV2	244	205	0.02%	0.001%
71	10.106	2801	2804	2808	rBV	178	139	0.02%	0.001%

LSC Area Percent Report

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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8D9

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\SOMULM060619WMA.M
Title : VOC Analysis

72	10.160	2818	2821	2824	rVB2	282	185	0.02%	0.001%
73	10.177	2824	2826	2829	rBV2	208	135	0.02%	0.001%
74	10.427	2892	2904	2908	rBV	247236	392342	44.26%	2.726%
75	10.550	2939	2942	2947	rVB	346	245	0.03%	0.002%
76	10.601	2950	2958	2968	rVV2	1625	2501	0.28%	0.017%
77	10.771	3006	3011	3018	rBV3	874	1142	0.13%	0.008%
78	10.968	3065	3072	3082	rBV3	1782	2375	0.27%	0.016%
79	11.016	3082	3087	3092	rBV	121	158	0.02%	0.001%
80	11.096	3104	3112	3115	rBV4	1083	1309	0.15%	0.009%
81	11.141	3115	3126	3148	rVB	540217	812796	91.70%	5.647%
82	11.283	3168	3170	3171	rBV2	289	136	0.02%	0.001%
83	11.382	3199	3201	3203	rBV	265	128	0.01%	0.001%
84	11.424	3211	3214	3219	rVB3	441	429	0.05%	0.003%
85	11.479	3219	3231	3256	rBV	406277	648771	73.19%	4.507%
86	11.675	3289	3292	3295	rVB2	368	216	0.02%	0.002%
87	11.855	3336	3348	3374	rVV	358389	585869	66.10%	4.070%
88	12.193	3449	3453	3458	rBV3	291	298	0.03%	0.002%
89	12.260	3471	3474	3479	rBV2	208	189	0.02%	0.001%
90	12.427	3521	3526	3529	rBV	150	172	0.02%	0.001%
91	12.476	3537	3541	3548	rVB3	585	749	0.08%	0.005%
92	12.652	3585	3596	3617	rBV2	89896	150209	16.95%	1.044%
93	12.980	3695	3698	3702	rBV3	178	163	0.02%	0.001%
94	13.080	3722	3729	3734	rBV	356	391	0.04%	0.003%
95	13.263	3783	3786	3791	rBV2	205	130	0.01%	0.001%
96	13.321	3801	3804	3808	rVB2	260	175	0.02%	0.001%
97	13.344	3808	3811	3814	rBV2	392	343	0.04%	0.002%
98	13.440	3839	3841	3849	rVB3	340	309	0.03%	0.002%
99	13.656	3904	3908	3911	rBV2	295	281	0.03%	0.002%
100	13.691	3917	3919	3923	rBV3	280	225	0.03%	0.002%

Sum of corrected areas: 14394673

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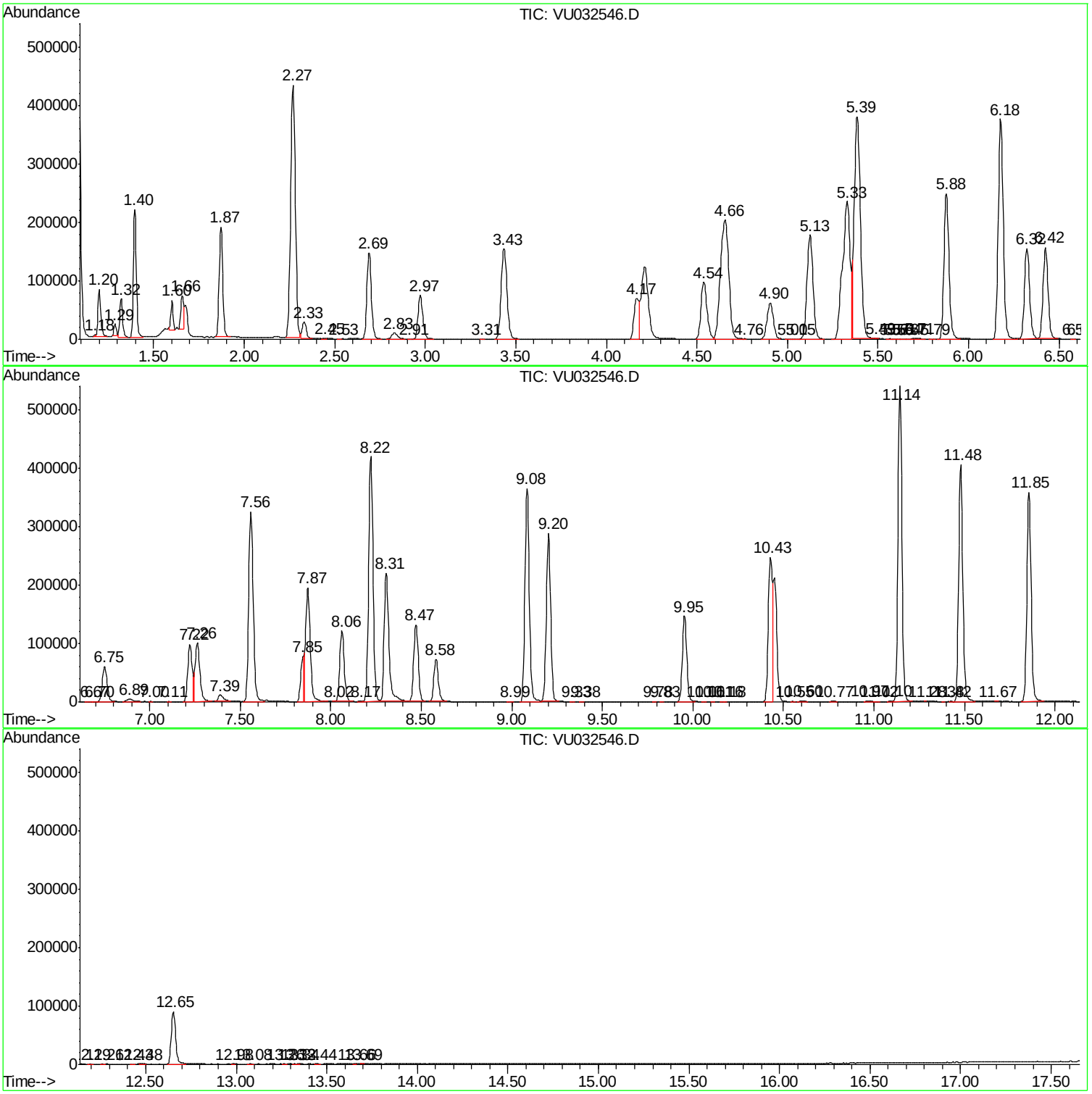
Instrument : MSVOA_U
ClientSampleId : DB8D9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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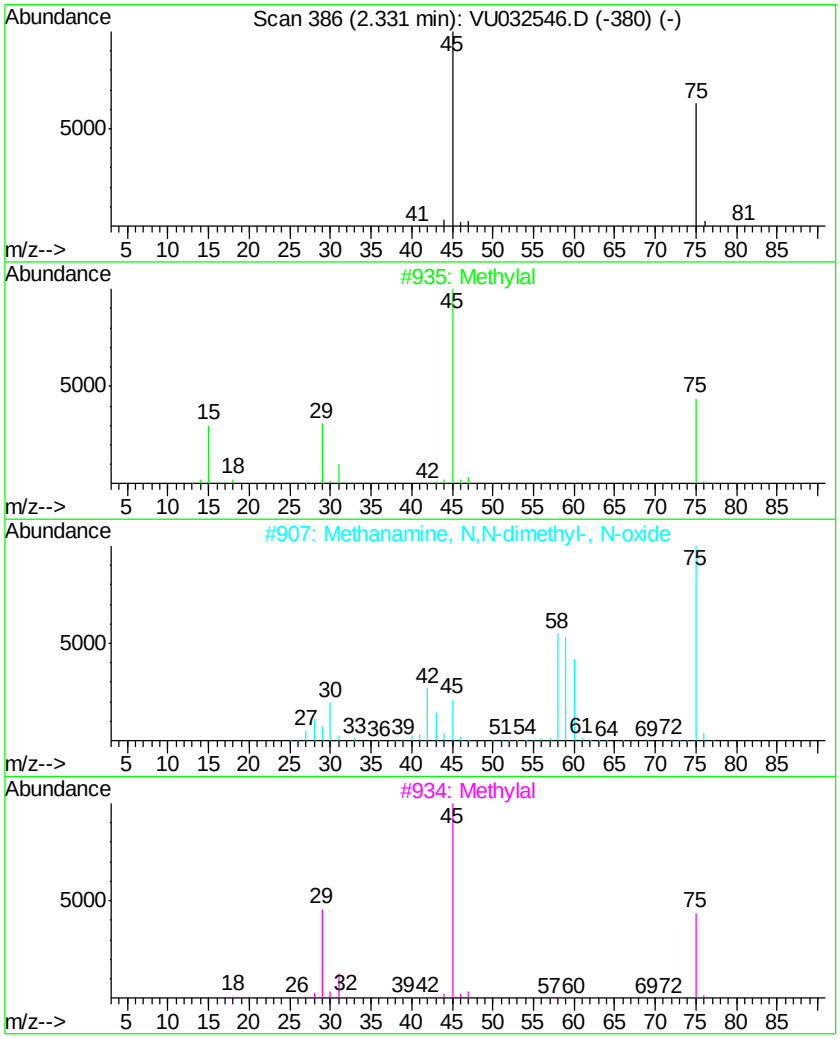
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

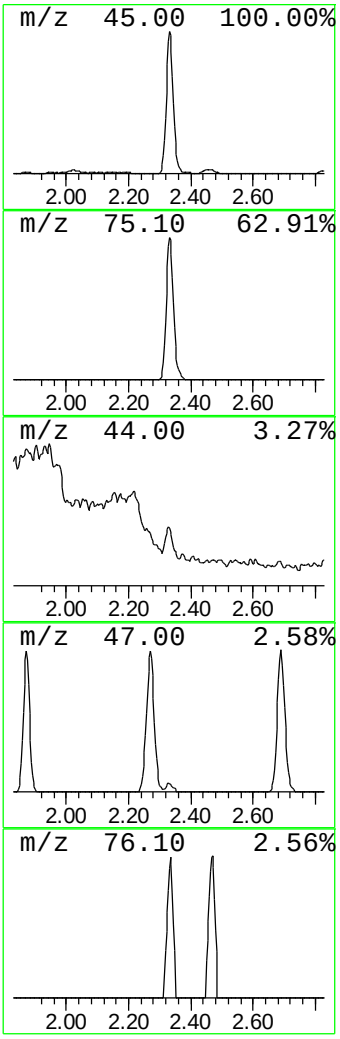
****

Peak Number 1 Methylal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	4.58 ug/L	44376	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	56
2	Methanamine, N,N-dimethyl-, N-oxide	75	C3H9NO	001184-78-7	9
3	Methylal	76	C3H8O2	000109-87-5	9
4	Methylal	76	C3H8O2	000109-87-5	9
5	Ethanethioamide	75	C2H5NS	000062-55-5	9





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8D9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

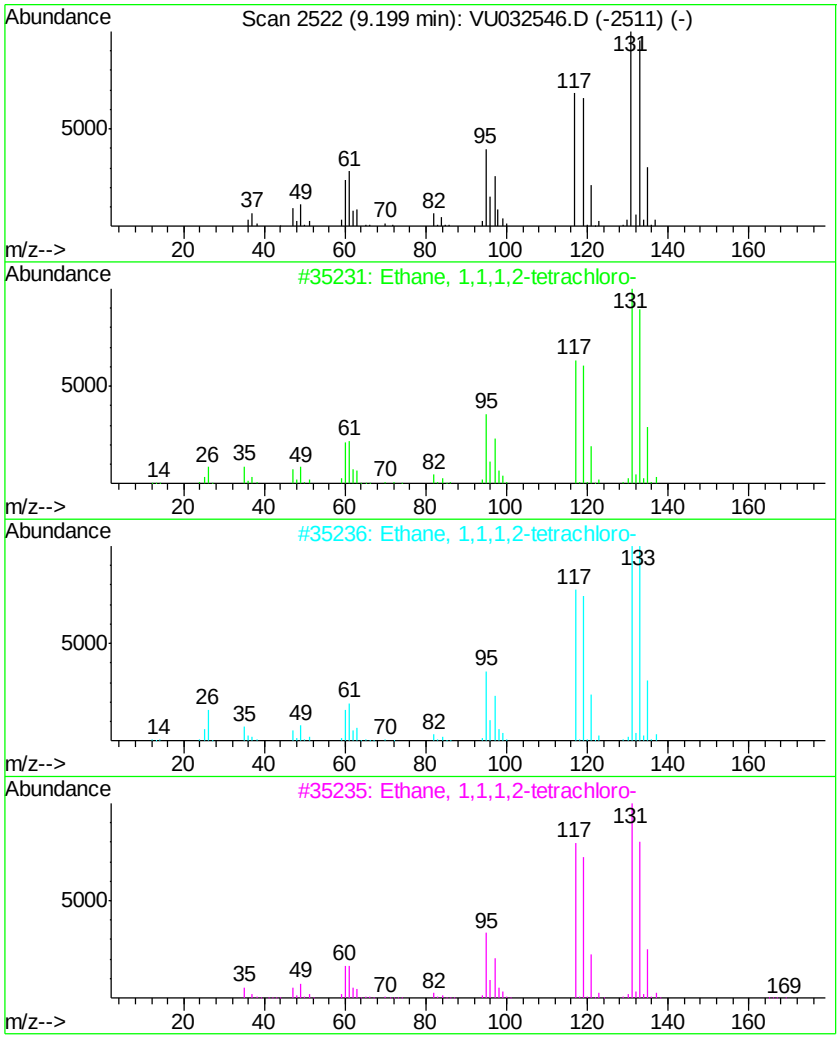
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

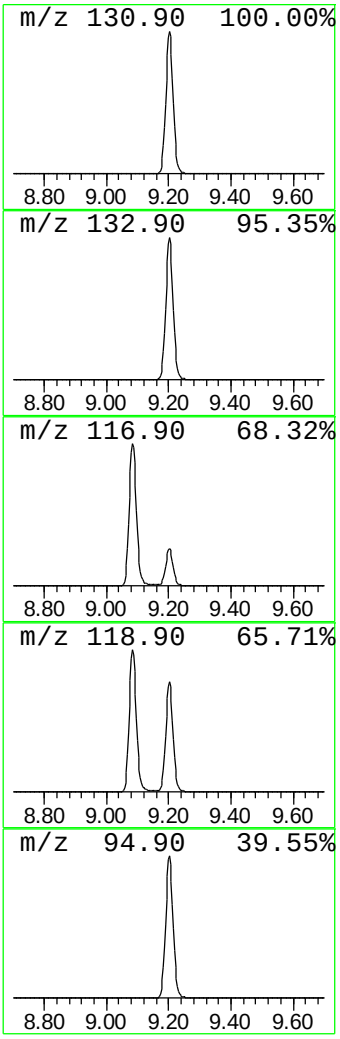
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	39.18 ug/L	472471	Chlorobenzene-d5	9.08

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	91
4	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	59
5	Carbon Tetrachloride	152	CCl4	000056-23-5	10





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

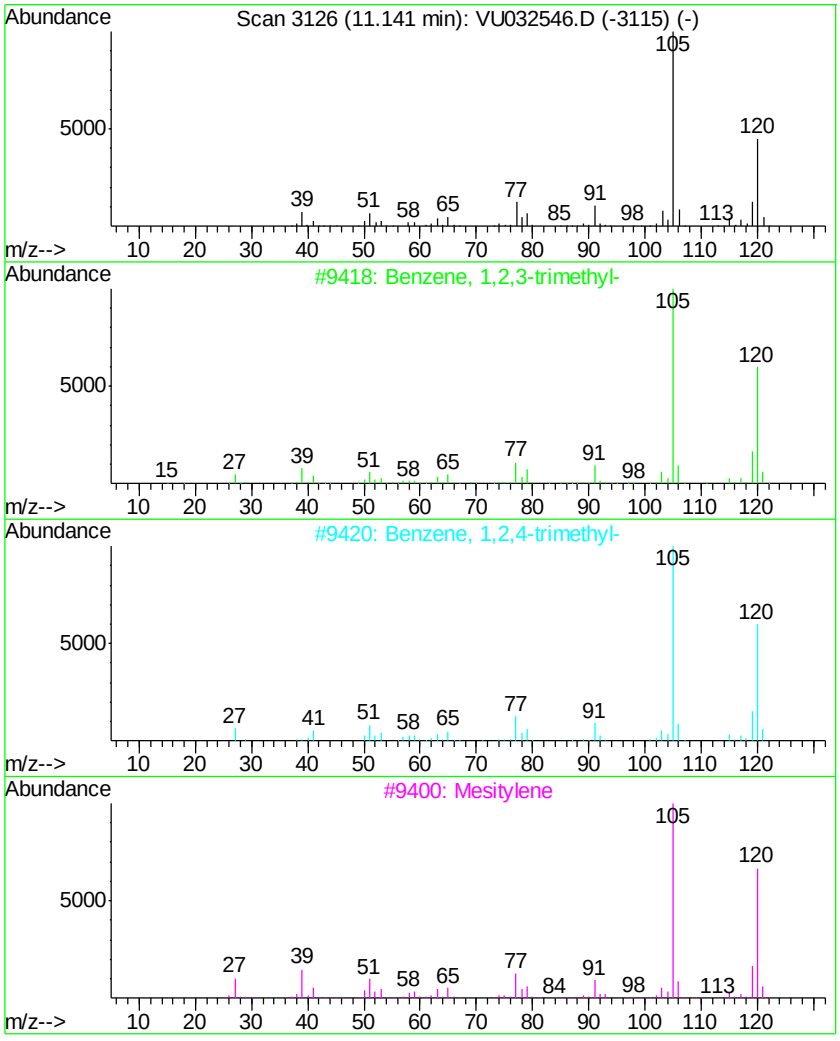
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

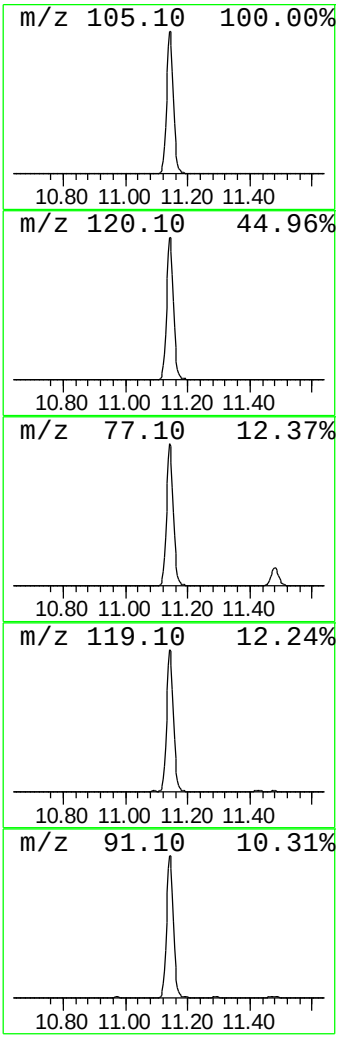
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	62.64 ug/L	812796	1,4-Dichlorobenzene-d4	11.48

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	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Tentatively Identified Compound (LSC) summary

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Data File : VU032546.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.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	4.6	ug/L	44376	1	5.88	484205	50.0
Ethane, 1,1,1,2-t...	9.20	39.2	ug/L	472471	2	9.08	602899	50.0
Benzene, 1,2,4-tr...	11.14	62.6	ug/L	812796	3	11.48	648771	50.0