LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
Data File : VW011271.D
Acq On : 15 Jul 2019 19:45
Operator : SY/VA
Sample : K3798-08
Misc : 4.16G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H5

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_W\METHOD\SOM2WLM070219S.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	1.989	5	14	26	rVB2	14788	40863	3.68%	0.508%
2	2.349	67	73	83	rVB	56658	100891	9.08%	1.255%
3	2.489	91	96	105	rBV	16165	38799	3.49%	0.483%
4	2.879	154	160	172	rVB	32345	81599	7.34%	1.015%
5	3.379	236	242	253	rVB3	8085	20516	1.85%	0.255%
6	3.532	262	267	273	rBV5	1038	2648	0.24%	0.033%
7	3.593	276	277	283	rVB6	661	813	0.07%	0.010%
8	3.721	295	298	299	rBV2	1094	1110	0.10%	0.014%
9	3.855	317	320	322	rVV4	824	1181	0.11%	0.015%
10	4.019	334	347	357	rBV	84735	288224	25.94%	3.584%
11	4.117	357	363	378	rVB	32387	95452	8.59%	1.187%
12	4.391	398	408	418	rBV5	3274	11443	1.03%	0.142%
13	4.666	445	453	463	rBV	9668	28777	2.59%	0.358%
14	4.916	482	494	506	rBV3	4513	18690	1.68%	0.232%
15	5.416	573	576	579	rVB3	622	598	0.05%	0.007%
16	5.483	583	587	592	rVB3	530	719	0.06%	0.009%
17	5.556	594	599	601	rBV3	605	1080	0.10%	0.013%
18	5.781	628	636	648	rVB6	4320	14008	1.26%	0.174%
19	5.928	650	660	663	rBV4	3037	6487	0.58%	0.081%
20	6.129	689	693	699	rVV5	712	1449	0.13%	0.018%
21	6.421	736	741	744	rBV3	360	725	0.07%	0.009%
22	6.592	765	769	771	rBV3	836	1096	0.10%	0.014%
23	6.897	809	819	829	rBV4	4848	15935	1.43%	0.198%
24	6.995	833	835	838	rVB3	566	658	0.06%	0.008%
25	7.074	840	848	858	rBV	57260	167543	15.08%	2.084%
26	7.494	913	917	918	rBV2	466	638	0.06%	0.008%
27	7.647	931	942	954	rBV	145672	358785	32.29%	4.462%
28	7.775	962	963	969	rVB3	810	1061	0.10%	0.013%
29	7.952	990	992	998	rVB4	1027	1325	0.12%	0.016%
30	8.116	1014	1019	1020	rBV2	445	637	0.06%	0.008%
31	8.275	1034	1045	1060	rBV2	290422	893643	80.43%	11.113%
32	8.397	1060	1065	1067	rBV4	1200	1954	0.18%	0.024%
33	8.458	1072	1075	1077	rBV4	641	744	0.07%	0.009%
34	8.549	1085	1090	1098	rVB4	3566	8352	0.75%	0.104%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H5

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_W\METHOD\SOM2WLM070219S.M
Title : VOC Analysis

35	8.708	1107	1116	1122	rBV4	3509	8435	0.76%	0.105%
36	8.842	1129	1138	1147	rBV	320328	631449	56.83%	7.853%
37	8.921	1149	1151	1154	rVV3	835	673	0.06%	0.008%
38	9.025	1164	1168	1169	rBV3	468	573	0.05%	0.007%
39	9.086	1169	1178	1185	rVB10	3189	8186	0.74%	0.102%
40	9.275	1197	1209	1218	rBV	220777	449112	40.42%	5.585%
41	9.409	1224	1231	1243	rVB	55714	106801	9.61%	1.328%
42	9.665	1266	1273	1281	rVV4	3411	7641	0.69%	0.095%
43	9.848	1298	1303	1305	rBV4	494	714	0.06%	0.009%
44	9.903	1307	1312	1314	rBV4	414	615	0.06%	0.008%
45	10.031	1326	1333	1343	rBV	107964	197844	17.81%	2.460%
46	10.122	1344	1348	1351	rBV4	1970	3460	0.31%	0.043%
47	10.213	1360	1363	1370	rVB5	709	1204	0.11%	0.015%
48	10.323	1371	1381	1387	rVV	358969	636692	57.30%	7.918%
49	10.384	1387	1391	1400	rVB	43087	77899	7.01%	0.969%
50	10.488	1404	1408	1409	rBV2	703	740	0.07%	0.009%
51	10.579	1415	1423	1437	rBV	73979	131206	11.81%	1.632%
52	10.701	1437	1443	1448	rBV	8327	15513	1.40%	0.193%
53	10.927	1472	1480	1492	rBV	214927	371526	33.44%	4.620%
54	11.073	1496	1504	1519	rBV	665970	1111073	100.00%	13.817%
55	11.384	1553	1555	1557	rBV2	689	819	0.07%	0.010%
56	11.628	1588	1595	1607	rVB	382728	657256	59.16%	8.174%
57	11.725	1607	1611	1614	rBV3	935	1395	0.13%	0.017%
58	11.835	1621	1629	1640	rBV	16960	37180	3.35%	0.462%
59	11.951	1645	1648	1654	rVV6	1353	2496	0.22%	0.031%
60	12.024	1657	1660	1664	rBV5	792	1363	0.12%	0.017%
61	12.164	1679	1683	1684	rVV3	1104	1100	0.10%	0.014%
62	12.244	1691	1696	1703	rVV4	1782	4016	0.36%	0.050%
63	12.341	1706	1712	1721	rBV2	10451	17901	1.61%	0.223%
64	12.445	1726	1729	1731	rBV2	704	863	0.08%	0.011%
65	12.518	1739	1741	1746	rVB4	938	1275	0.11%	0.016%
66	12.609	1750	1756	1761	rBV	33915	54167	4.88%	0.674%
67	12.695	1763	1770	1779	rVB	197851	330018	29.70%	4.104%
68	12.804	1786	1788	1793	rVB4	869	1042	0.09%	0.013%
69	12.890	1793	1802	1805	rBV5	3486	6020	0.54%	0.075%
70	12.939	1805	1810	1811	rBV5	1686	2220	0.20%	0.028%
71	13.048	1821	1828	1830	rBV4	2356	3898	0.35%	0.048%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H5

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_W\METHOD\SOM2WLM070219S.M
Title : VOC Analysis

72	13.097	1830	1836	1843	rVV5	5547	12846	1.16%	0.160%
73	13.158	1843	1846	1851	rVB2	1788	2975	0.27%	0.037%
74	13.280	1860	1866	1875	rVB8	2625	6401	0.58%	0.080%
75	13.396	1879	1885	1890	rBV4	5772	10075	0.91%	0.125%
76	13.487	1894	1900	1905	rVV7	2816	5657	0.51%	0.070%
77	13.560	1905	1912	1920	rVV	272768	436019	39.24%	5.422%
78	13.652	1923	1927	1932	rVV2	4371	6586	0.59%	0.082%
79	13.749	1942	1943	1947	rBV3	878	1126	0.10%	0.014%
80	13.853	1953	1960	1968	rBV	216932	367496	33.08%	4.570%
81	14.018	1984	1987	1989	rBV3	1297	1640	0.15%	0.020%
82	14.073	1991	1996	2006	rVB2	21922	38572	3.47%	0.480%
83	14.201	2012	2017	2019	rBV6	773	1544	0.14%	0.019%
84	14.329	2032	2038	2045	rBV6	5896	11419	1.03%	0.142%
85	14.420	2051	2053	2057	rBV5	992	1361	0.12%	0.017%
86	14.530	2065	2071	2077	rVB2	5272	9209	0.83%	0.115%
87	14.700	2093	2099	2101	rVV4	5341	9128	0.82%	0.114%
88	14.725	2101	2103	2108	rVB3	5278	6704	0.60%	0.083%
89	14.774	2108	2111	2112	rBV3	621	670	0.06%	0.008%
90	14.792	2112	2114	2117	rVV4	905	1057	0.10%	0.013%
91	14.853	2121	2124	2128	rVB5	788	1076	0.10%	0.013%
92	15.194	2175	2180	2186	rVV8	1346	3605	0.32%	0.045%
93	15.255	2186	2190	2199	rVB5	3941	7045	0.63%	0.088%
94	15.328	2199	2202	2203	rBV2	842	835	0.08%	0.010%
95	15.487	2225	2228	2229	rBV2	1509	1546	0.14%	0.019%
96	15.658	2254	2256	2259	rVB4	634	571	0.05%	0.007%
97	15.700	2259	2263	2264	rBV3	837	730	0.07%	0.009%
98	16.328	2363	2366	2367	rBV3	1045	1170	0.11%	0.015%
99	16.505	2393	2395	2397	rBV3	664	617	0.06%	0.008%
100	16.554	2401	2403	2404	rVB	929	670	0.06%	0.008%

Sum of corrected areas: 8041178

LSC Report - Integrated Chromatogram

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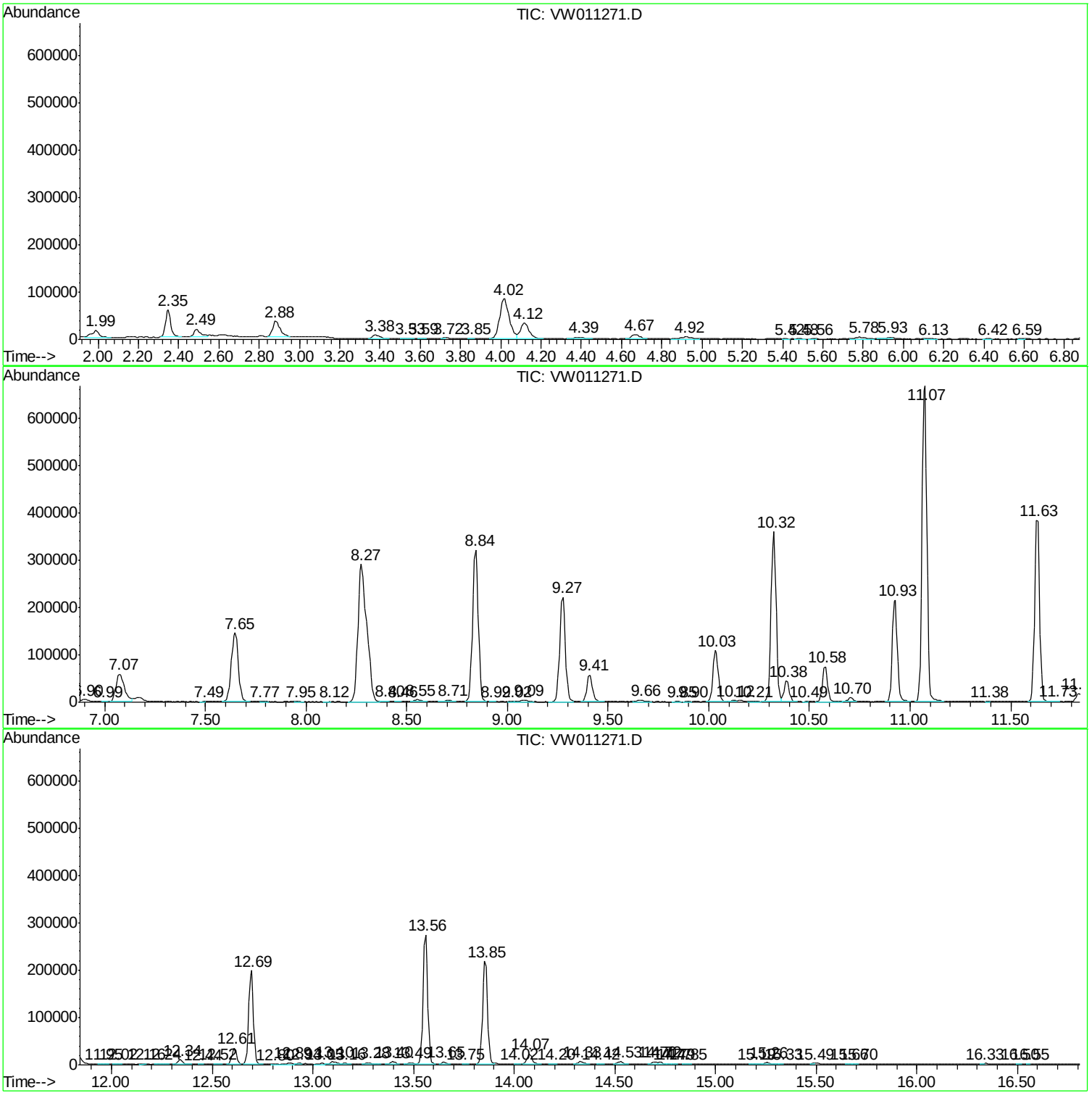
Instrument : MSVOA_W
ClientSampleId : A52H5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

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Quant Title : VOC Analysis

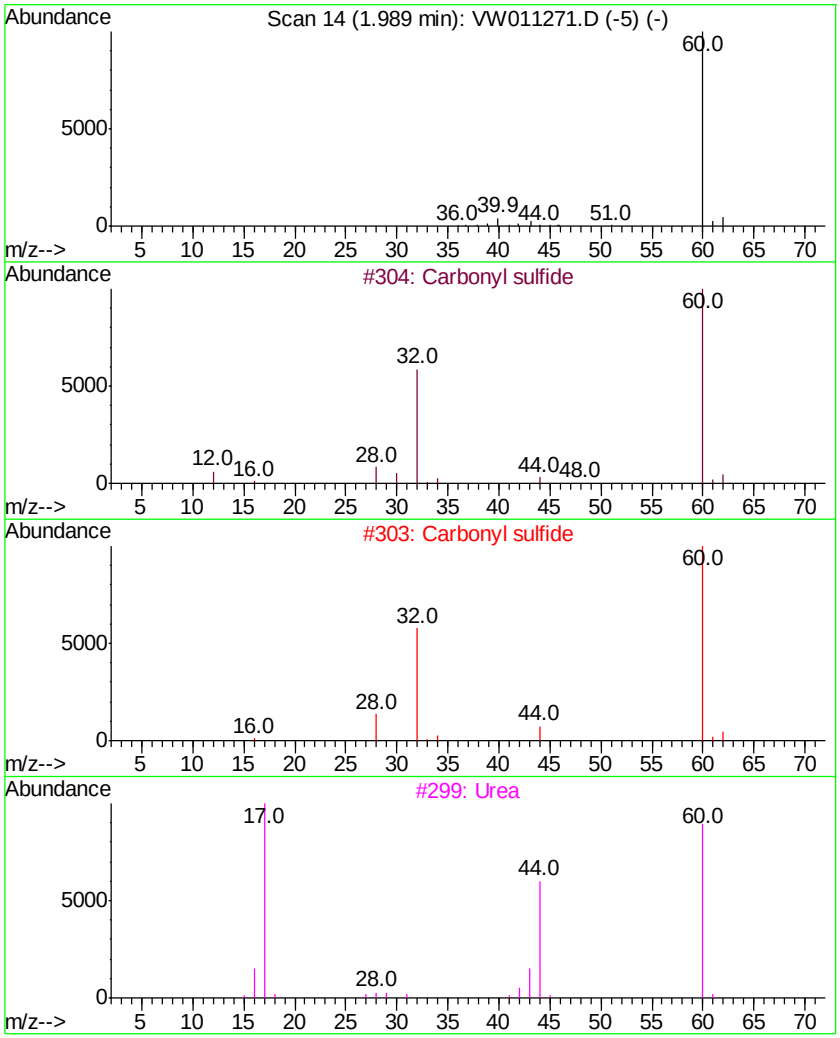
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

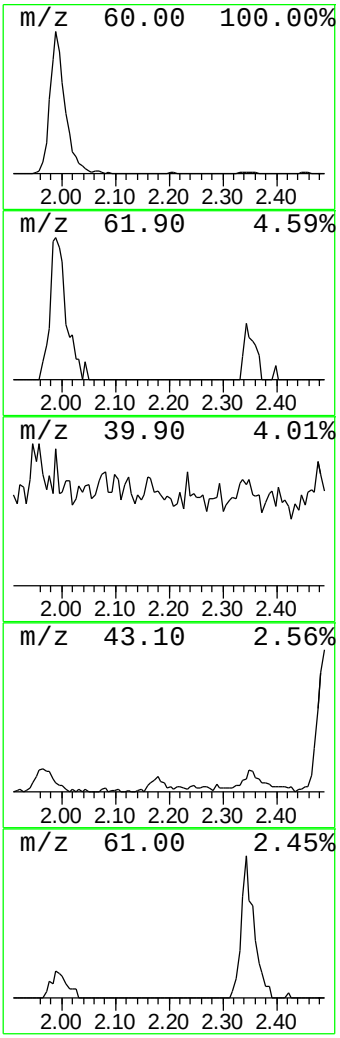
****

Peak Number 1 Carbonyl sulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	1.62 ug/L	40863	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonyl sulfide	60	COS	000463-58-1	5
2	Carbonyl sulfide	60	COS	000463-58-1	5
3	Urea	60	CH4N2O	000057-13-6	4
4	Methyl formate	60	C2H4O2	000107-31-3	3
5	Ethyne, chloro-	60	C2HCl	000593-63-5	3





Library Search Compound Report

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Instrument : MSVOA_W
ClientSampleId : A52H5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

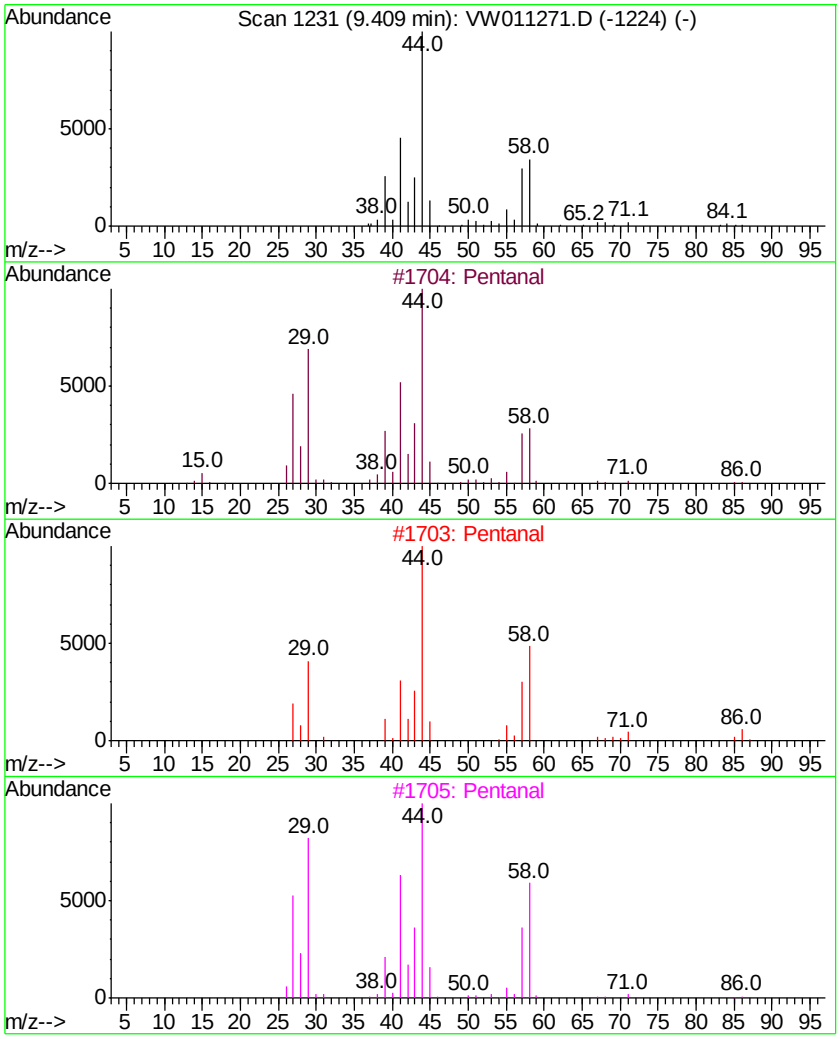
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

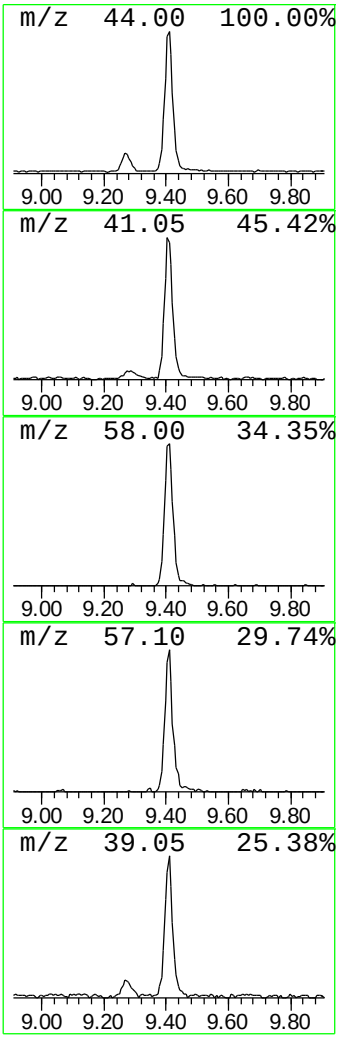
****

Peak Number 3 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	4.23 ug/L	106801	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	78
3	Pentanal	86	C5H10O	000110-62-3	52
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	45
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9





Library Search Compound Report

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ClientSampleId : A52H5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

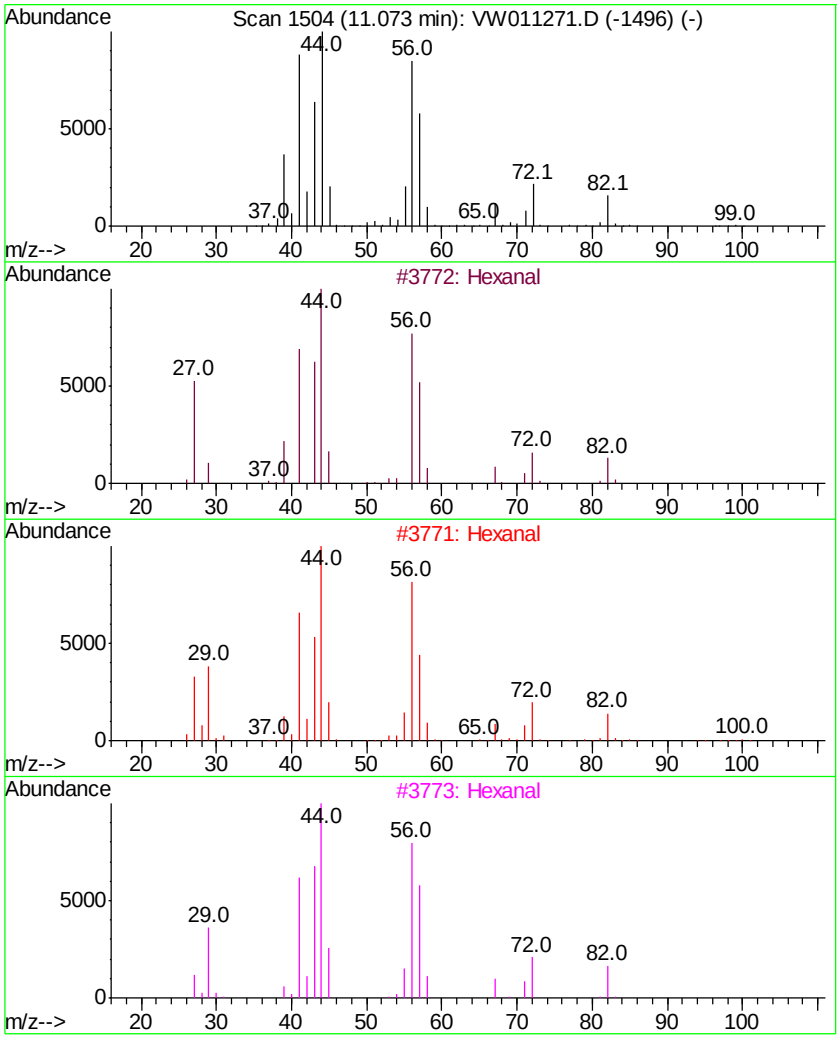
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

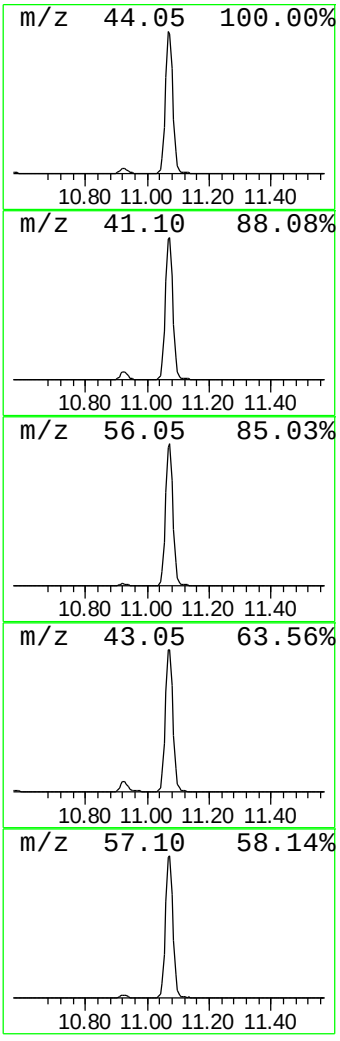
****

Peak Number 5 Hexanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	42.26 ug/L	1111070	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	78
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	56





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A52H5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis

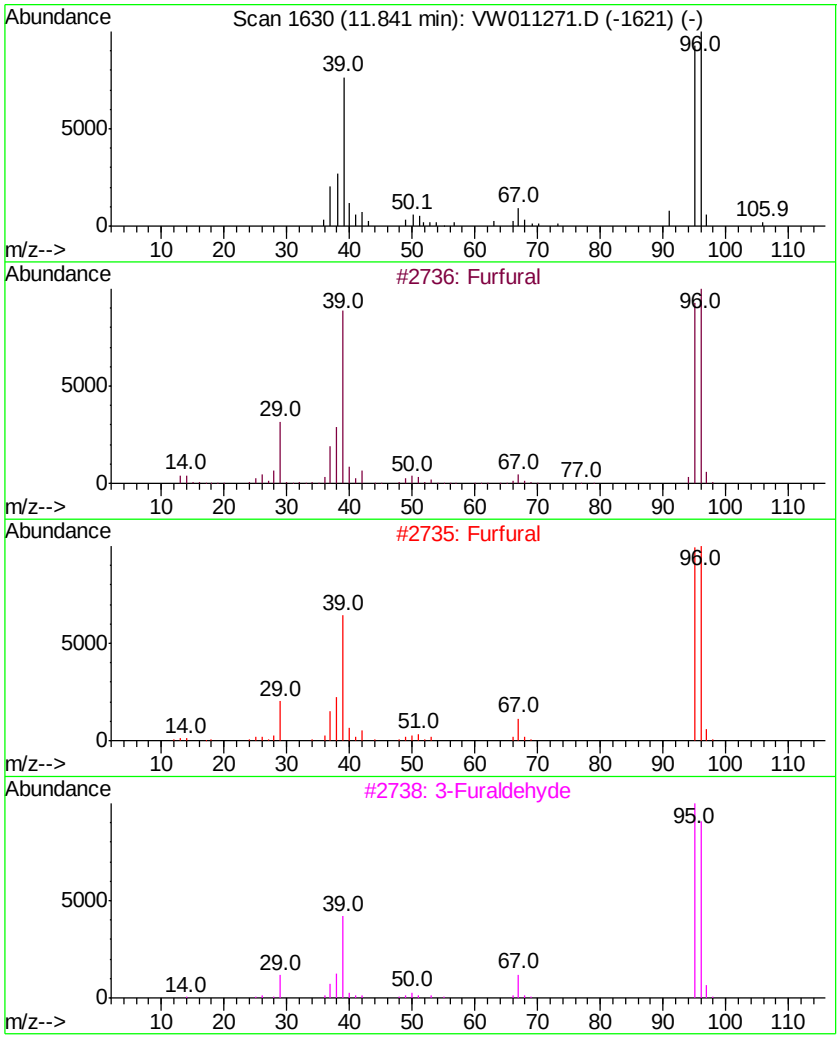
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

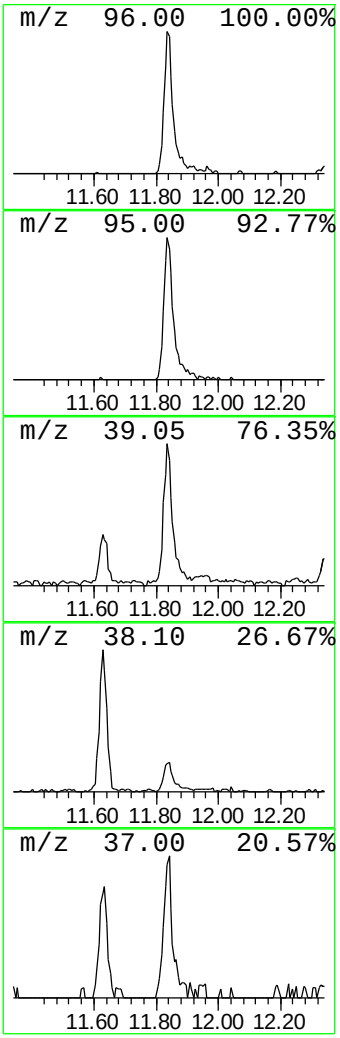
****

Peak Number 6 Furfural Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	1.41 ug/L	37180	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	95
2	Furfural	96	C5H4O2	000098-01-1	91
3	3-Furaldehyde	96	C5H4O2	000498-60-2	91
4	Furfural	96	C5H4O2	000098-01-1	90
5	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	86





Tentatively Identified Compound (LSC) summary

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Instrument : MSVOA_W
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.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
Carbonyl sulfide	1.99	1.6	ug/L	40863	1	8.84	631449	25.0
Pentanal	9.41	4.2	ug/L	106801	1	8.84	631449	25.0
Hexanal	11.07	42.3	ug/L	1111070	2	11.63	657256	25.0
Furfural	11.84	1.4	ug/L	37180	2	11.63	657256	25.0