LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

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\SOM2WLM082218S.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	1.794	19	34	58	rBV	16498279	34318120	100.00%	63.808%
2	1.959	59	61	78	rVB2	41330	111882	0.33%	0.208%
3	2.148	89	92	95	rBV3	13579	20510	0.06%	0.038%
4	2.349	120	125	136	rVB	263319	421107	1.23%	0.783%
5	2.508	145	151	157	rBV	69657	119117	0.35%	0.221%
6	2.892	206	214	225	rVB	180840	361960	1.05%	0.673%
7	3.270	271	276	284	rVV5	3200	8062	0.02%	0.015%
8	3.392	291	296	305	rVB3	5260	12026	0.04%	0.022%
9	3.568	322	325	326	rBV2	721	814	0.00%	0.002%
10	3.593	326	329	331	rBV4	1263	1460	0.00%	0.003%
11	3.861	366	373	382	rVV8	4086	10978	0.03%	0.020%
12	4.020	389	399	411	rBV	265030	708433	2.06%	1.317%
13	4.148	411	420	432	rVB	29032	88021	0.26%	0.164%
14	4.446	464	469	470	rBV4	3036	3676	0.01%	0.007%
15	4.818	526	530	533	rBV3	455	706	0.00%	0.001%
16	4.928	537	548	559	rBV2	20014	67427	0.20%	0.125%
17	5.117	574	579	580	rBV4	819	1146	0.00%	0.002%
18	5.617	658	661	665	rBV3	477	675	0.00%	0.001%
19	5.800	681	691	700	rBV6	4445	14134	0.04%	0.026%
20	5.946	707	715	724	rBV7	3716	11151	0.03%	0.021%
21	6.105	738	741	742	rBV3	658	746	0.00%	0.001%
22	6.550	810	814	816	rBV3	535	800	0.00%	0.001%
23	6.915	864	874	883	rBV8	4927	15286	0.04%	0.028%
24	6.989	883	886	887	rBV3	821	1009	0.00%	0.002%
25	7.092	894	903	910	rBV	67998	203383	0.59%	0.378%
26	7.428	954	958	961	rVB4	689	768	0.00%	0.001%
27	7.556	973	979	981	rBV6	912	1528	0.00%	0.003%
28	7.659	984	996	1009	rBV	314999	796739	2.32%	1.481%
29	7.940	1033	1042	1046	rBV8	1605	4384	0.01%	0.008%
30	8.153	1073	1077	1079	rBV3	1148	1712	0.00%	0.003%
31	8.281	1087	1098	1115	rBV2	699934	2116561	6.17%	3.935%
32	8.513	1133	1136	1138	rVV2	761	931	0.00%	0.002%
33	8.568	1138	1145	1152	rVB4	7555	18159	0.05%	0.034%
34	8.714	1162	1169	1177	rBV5	6762	16863	0.05%	0.031%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
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Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

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\SOM2WLM082218S.M
Title : VOC Analysis

35	8.848	1181	1191	1217	rBV	785028	1561997	4.55%	2.904%
36	9.055	1218	1225	1227	rBV6	6425	12113	0.04%	0.023%
37	9.098	1227	1232	1239	rVB6	11502	27456	0.08%	0.051%
38	9.281	1252	1262	1272	rBV	457828	927612	2.70%	1.725%
39	9.415	1279	1284	1294	rVB2	10582	22799	0.07%	0.042%
40	9.488	1294	1296	1298	rVB3	914	812	0.00%	0.002%
41	9.512	1298	1300	1302	rBV2	884	1014	0.00%	0.002%
42	9.610	1312	1316	1317	rBV3	881	881	0.00%	0.002%
43	9.659	1322	1324	1332	rVB5	1550	2520	0.01%	0.005%
44	9.897	1358	1363	1369	rBV5	1639	2769	0.01%	0.005%
45	9.958	1371	1373	1377	rVB4	1015	1265	0.00%	0.002%
46	10.043	1379	1387	1398	rBV	233658	422472	1.23%	0.786%
47	10.220	1413	1416	1418	rBV4	1088	1204	0.00%	0.002%
48	10.250	1418	1421	1425	rVB5	1016	1597	0.00%	0.003%
49	10.329	1425	1434	1441	rBV	1163139	2050545	5.98%	3.813%
50	10.390	1441	1444	1458	rVB	73709	139458	0.41%	0.259%
51	10.512	1459	1464	1469	rBV3	6972	10004	0.03%	0.019%
52	10.585	1469	1476	1482	rBV	163642	286694	0.84%	0.533%
53	10.714	1491	1497	1500	rBV2	80753	165388	0.48%	0.308%
54	10.866	1514	1522	1528	rBV	469379	819062	2.39%	1.523%
55	10.933	1528	1533	1550	rVV	360692	637311	1.86%	1.185%
56	11.079	1550	1557	1566	rVV	47993	88700	0.26%	0.165%
57	11.177	1570	1573	1578	rVV5	2600	4168	0.01%	0.008%
58	11.238	1581	1583	1587	rVB3	2055	2293	0.01%	0.004%
59	11.274	1587	1589	1592	rVB2	969	964	0.00%	0.002%
60	11.323	1595	1597	1598	rBV	1313	723	0.00%	0.001%
61	11.409	1608	1611	1615	rVV4	2533	4075	0.01%	0.008%
62	11.518	1624	1629	1634	rVB3	1535	2159	0.01%	0.004%
63	11.579	1637	1639	1641	rVV3	954	981	0.00%	0.002%
64	11.634	1641	1648	1659	rVV	1213563	2102486	6.13%	3.909%
65	11.738	1659	1665	1673	rVB	28532	53492	0.16%	0.099%
66	11.841	1674	1682	1693	rBV	109819	207613	0.60%	0.386%
67	11.951	1694	1700	1706	rVB4	10663	18605	0.05%	0.035%
68	12.171	1729	1736	1744	rVB	60763	102400	0.30%	0.190%
69	12.244	1744	1748	1754	rVB7	1491	2754	0.01%	0.005%
70	12.347	1759	1765	1770	rBV4	16626	28556	0.08%	0.053%
71	12.469	1782	1785	1789	rBV3	1219	2029	0.01%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

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\SOM2WLM082218S.M
Title : VOC Analysis

72	12.616	1799	1809	1816	rBV	151539	259556	0.76%	0.483%
73	12.701	1816	1823	1829	rVV	459671	764750	2.23%	1.422%
74	12.762	1829	1833	1837	rVV4	2609	4420	0.01%	0.008%
75	12.872	1849	1851	1854	rBV2	2193	2596	0.01%	0.005%
76	12.939	1859	1862	1873	rVB4	10026	18054	0.05%	0.034%
77	13.061	1877	1882	1887	rBV5	8900	14734	0.04%	0.027%
78	13.164	1897	1899	1903	rVB5	1249	1519	0.00%	0.003%
79	13.280	1906	1918	1925	rBV3	27890	62347	0.18%	0.116%
80	13.402	1933	1938	1945	rBV3	22222	36327	0.11%	0.068%
81	13.512	1952	1956	1958	rBV4	1677	2695	0.01%	0.005%
82	13.567	1958	1965	1973	rVB	1080977	1711227	4.99%	3.182%
83	13.652	1975	1979	1984	rVB	12198	19188	0.06%	0.036%
84	13.859	2005	2013	2022	rBV	894121	1467935	4.28%	2.729%
85	14.030	2036	2041	2044	rBV5	7424	13657	0.04%	0.025%
86	14.085	2044	2050	2057	rVV2	50218	90677	0.26%	0.169%
87	14.231	2072	2074	2080	rVB5	1896	2879	0.01%	0.005%
88	14.335	2086	2091	2096	rBV2	24804	38156	0.11%	0.071%
89	14.432	2105	2107	2109	rVB2	940	700	0.00%	0.001%
90	14.634	2136	2140	2145	rBV7	4876	7095	0.02%	0.013%
91	14.896	2180	2183	2190	rVB6	3738	6062	0.02%	0.011%
92	14.963	2190	2194	2200	rBV8	2797	5626	0.02%	0.010%
93	15.030	2200	2205	2210	rVV5	4695	7449	0.02%	0.014%
94	15.079	2211	2213	2217	rVV5	2699	2991	0.01%	0.006%
95	15.146	2220	2224	2227	rBV5	1503	2993	0.01%	0.006%
96	15.194	2227	2232	2240	rVB6	10283	18352	0.05%	0.034%
97	15.377	2258	2262	2267	rBV3	2530	5110	0.01%	0.010%
98	15.511	2276	2284	2292	rBV	18672	35387	0.10%	0.066%
99	15.774	2325	2327	2330	rBV4	1821	1797	0.01%	0.003%
100	16.109	2379	2382	2383	rBV3	1689	1991	0.01%	0.004%

Sum of corrected areas: 53783515

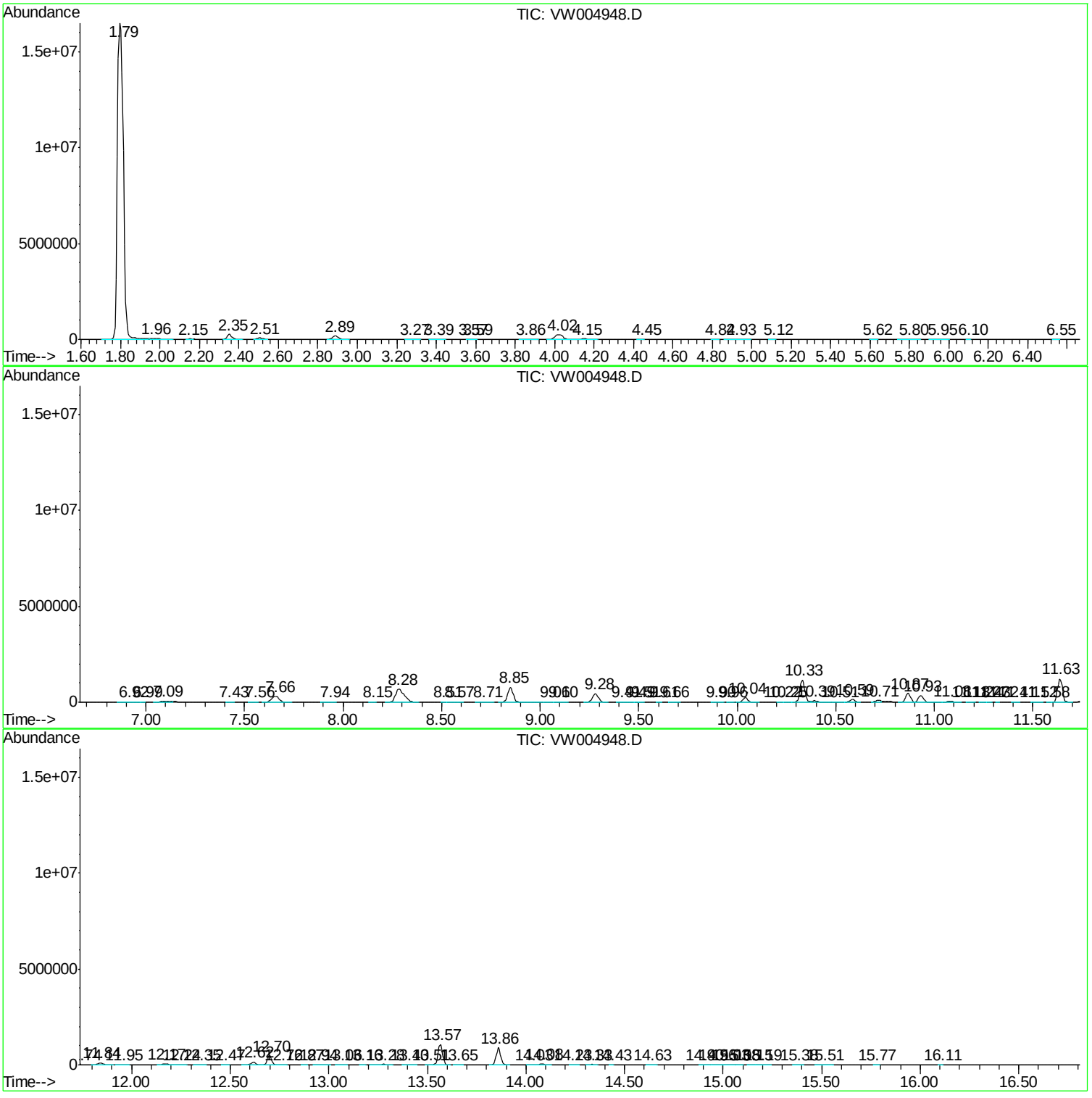
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAB69

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.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_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis

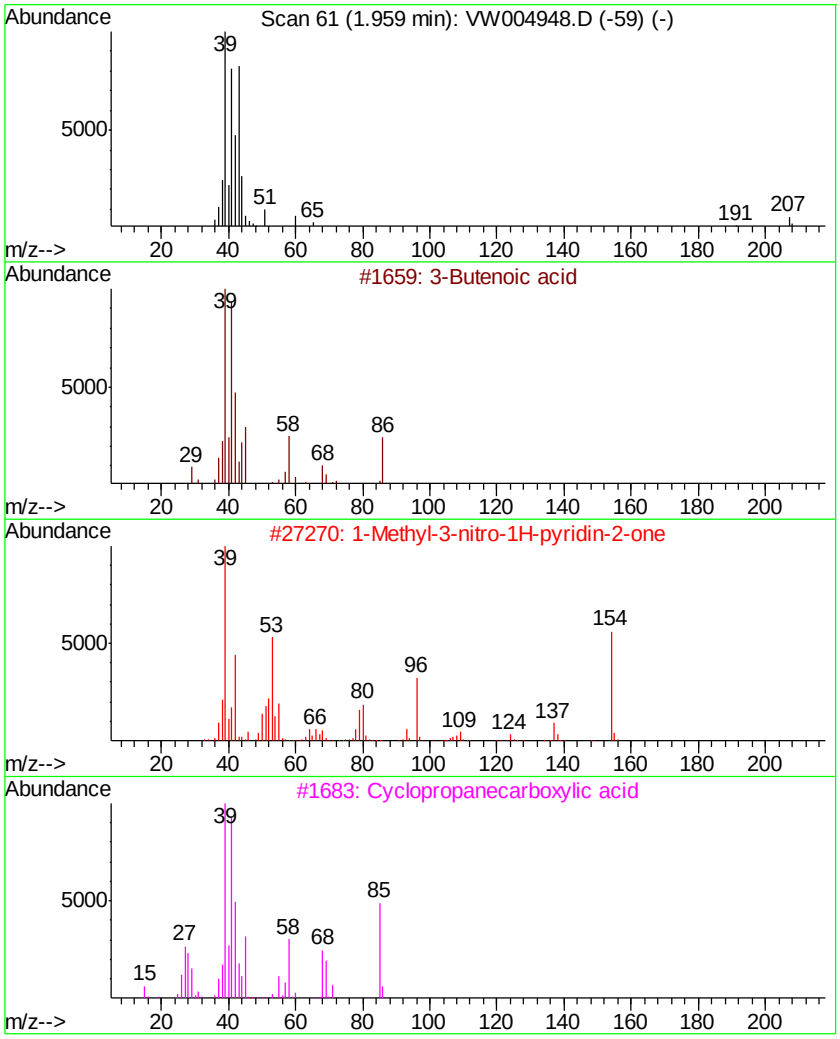
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

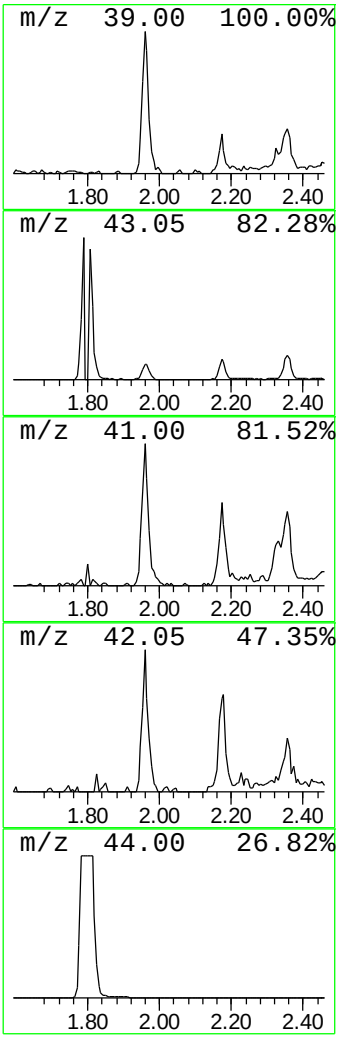
****

Peak Number 2 3-Butenoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.96	1.79 ug/L	111882	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	83
2	1-Methyl-3-nitro-1H-pyridin-2-one	154	C6H6N2O3	032896-91-6	78
3	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	64
4	2H-Pyran-2-one	96	C5H4O2	000504-31-4	56
5	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis

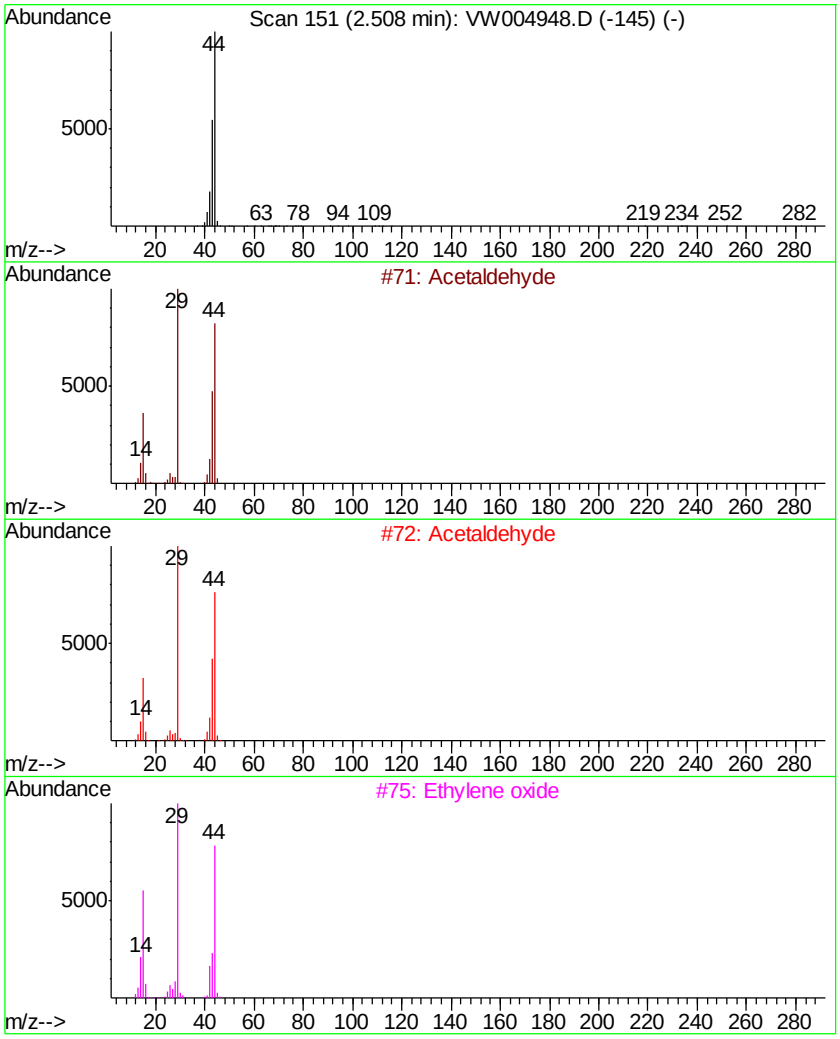
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

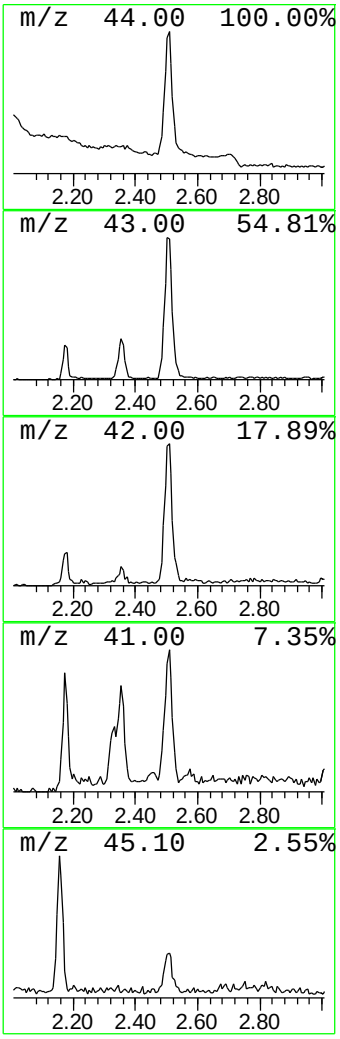
****

Peak Number 3 Acetaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.51	1.91 ug/L	119117	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis

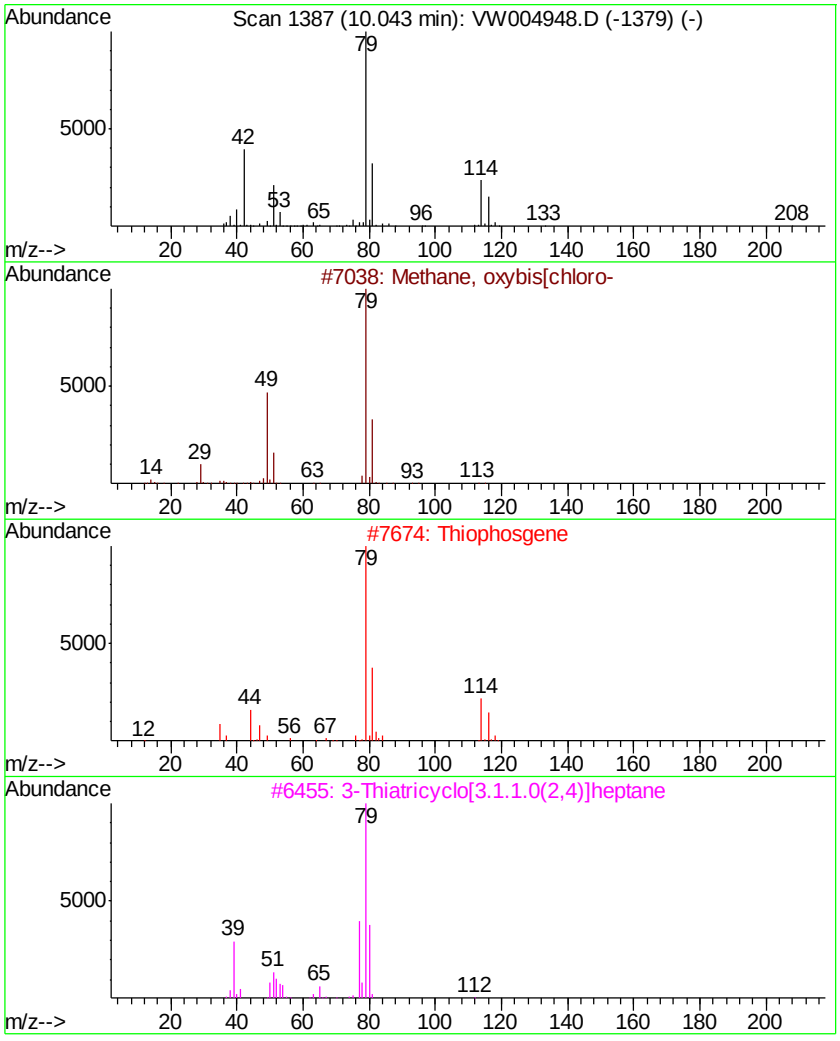
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

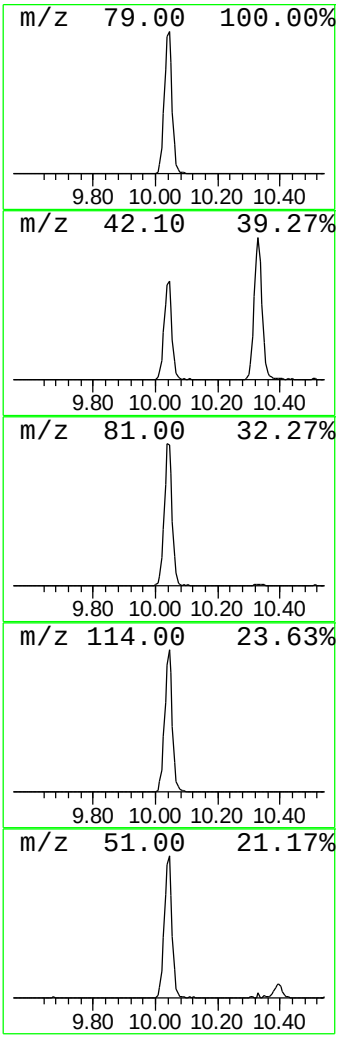
****

Peak Number 4 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	6.76 ug/L	422472	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
2	Thiophosgene	114	CCl2S	000463-71-8	28
3	3-Thiatricyclo[3.1.1.0(2,4)]heptane	112	C6H8S	1000221-37-0	25
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
5	1,3-Cyclohexadiene	80	C6H8	000592-57-4	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082418\
Data File : VW004948.D
Acq On : 24 Aug 2018 21:02
Operator : SY/AP
Sample : J4647-01
Misc : 4.48G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : GAB69

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.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
3-Butenoic acid	1.96	1.8	ug/L	111882	1	8.85	1562000	25.0
Acetaldehyde	2.51	1.9	ug/L	119117	1	8.85	1562000	25.0
unknown-01	10.04	6.8	ug/L	422472	1	8.85	1562000	25.0