LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

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_V\METHOD\SOMVLM120219WMA.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	1.319	65	71	83	rVB	262480	261867	12.94%	1.641%
2	1.573	144	150	162	rVB	287504	322898	15.95%	2.024%
3	2.126	314	322	336	rVB	569952	798126	39.43%	5.002%
4	2.704	500	502	506	rVB4	1533	1012	0.05%	0.006%
5	2.730	506	510	512	rBV4	2334	1519	0.08%	0.010%
6	2.798	529	531	535	rBV3	966	609	0.03%	0.004%
7	2.840	539	544	546	rBV4	1337	1043	0.05%	0.007%
8	2.930	571	572	574	rBV	639	233	0.01%	0.001%
9	2.962	579	582	585	rBV4	953	619	0.03%	0.004%
10	3.023	600	601	604	rVB3	1062	395	0.02%	0.002%
11	3.039	604	606	607	rBV2	756	243	0.01%	0.002%
12	3.045	607	608	611	rBV3	1080	624	0.03%	0.004%
13	3.065	611	614	616	rVV4	1164	799	0.04%	0.005%
14	3.081	617	619	623	rVB4	1181	636	0.03%	0.004%
15	3.155	640	642	647	rBV4	575	425	0.02%	0.003%
16	3.180	647	650	652	rBV3	601	354	0.02%	0.002%
17	3.225	661	664	670	rBV6	871	745	0.04%	0.005%
18	3.251	670	672	674	rBV2	581	212	0.01%	0.001%
19	3.261	674	675	677	rVB	711	221	0.01%	0.001%
20	3.283	677	682	683	rBV2	1050	819	0.04%	0.005%
21	3.296	683	686	690	rBV6	906	773	0.04%	0.005%
22	3.338	697	699	702	rBV3	760	431	0.02%	0.003%
23	3.354	702	704	706	rVB3	1505	607	0.03%	0.004%
24	3.373	706	710	712	rBV4	847	604	0.03%	0.004%
25	3.383	712	713	717	rVB4	1006	562	0.03%	0.004%
26	3.421	721	725	726	rBV4	861	451	0.02%	0.003%
27	3.444	730	732	733	rBV2	707	294	0.01%	0.002%
28	3.473	737	741	743	rBV3	758	499	0.02%	0.003%
29	3.486	743	745	748	rVB4	565	277	0.01%	0.002%
30	3.502	748	750	752	rBV3	816	274	0.01%	0.002%
31	3.518	752	755	756	rBV3	652	334	0.02%	0.002%
32	3.528	756	758	763	rVB3	1251	923	0.05%	0.006%
33	3.550	763	765	767	rBV3	1181	671	0.03%	0.004%
34	3.618	785	786	788	rBV2	867	372	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

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_V\METHOD\SOMVLM120219WMA.M
Title : VOC Analysis

35	3.753	823	828	830	rBV4	1626	996	0.05%	0.006%
36	3.785	835	838	840	rVV4	705	417	0.02%	0.003%
37	3.798	840	842	845	rVB3	688	314	0.02%	0.002%
38	3.817	845	848	852	rBV4	1044	960	0.05%	0.006%
39	3.836	852	854	857	rBV3	562	326	0.02%	0.002%
40	3.881	864	868	869	rBV2	1223	800	0.04%	0.005%
41	3.917	869	879	914	rVV	165039	435731	21.52%	2.731%
42	4.245	978	981	983	rBV4	1250	749	0.04%	0.005%
43	4.286	989	994	996	rBV5	1765	1484	0.07%	0.009%
44	4.315	1001	1003	1005	rBV3	1252	489	0.02%	0.003%
45	4.396	1013	1028	1051	rBV	338615	810793	40.05%	5.081%
46	4.592	1087	1089	1092	rBV3	1433	1080	0.05%	0.007%
47	4.643	1103	1105	1108	rBV3	1165	893	0.04%	0.006%
48	4.701	1117	1123	1127	rBV6	2342	2983	0.15%	0.019%
49	4.933	1192	1195	1196	rBV3	585	251	0.01%	0.002%
50	4.946	1196	1199	1203	rVV3	973	627	0.03%	0.004%
51	5.013	1218	1220	1223	rBV4	1026	566	0.03%	0.004%
52	5.090	1227	1244	1270	rBV2	789549	2024355	100.00%	12.687%
53	5.309	1310	1312	1316	rBV4	1184	976	0.05%	0.006%
54	5.476	1361	1364	1367	rBV5	1228	1103	0.05%	0.007%
55	5.566	1389	1392	1396	rBV4	1594	1342	0.07%	0.008%
56	5.659	1407	1421	1451	rBV	728907	1458423	72.04%	9.140%
57	5.946	1501	1510	1525	rVB2	42802	85466	4.22%	0.536%
58	6.113	1549	1562	1585	rVB	473484	929107	45.90%	5.823%
59	6.820	1780	1782	1783	rBV2	993	381	0.02%	0.002%
60	6.868	1794	1797	1800	rBV3	1083	707	0.03%	0.004%
61	6.891	1802	1804	1810	rVB5	2230	1474	0.07%	0.009%
62	6.917	1810	1812	1813	rBV2	1411	650	0.03%	0.004%
63	6.971	1827	1829	1830	rBV2	750	194	0.01%	0.001%
64	7.026	1835	1846	1866	rVV	230696	409393	20.22%	2.566%
65	7.277	1921	1924	1927	rBV4	1779	1112	0.05%	0.007%
66	7.357	1936	1949	1975	rBV	869065	1522795	75.22%	9.543%
67	7.659	2034	2043	2061	rVB	166742	275421	13.61%	1.726%
68	8.013	2149	2153	2158	rBV7	2181	2464	0.12%	0.015%
69	8.125	2178	2188	2218	rBV2	442359	918891	45.39%	5.759%
70	8.891	2414	2426	2452	rBV	1101200	1800586	88.95%	11.284%
71	9.170	2511	2513	2514	rBV2	2012	966	0.05%	0.006%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

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_V\METHOD\SOMVLM120219WMA.M
Title : VOC Analysis

72	9.495	2612	2614	2615	rBV3	1144	487	0.02%	0.003%
73	9.582	2636	2641	2646	rBV7	2084	2700	0.13%	0.017%
74	9.669	2663	2668	2670	rBV4	2308	1965	0.10%	0.012%
75	9.733	2687	2688	2692	rBV3	1063	619	0.03%	0.004%
76	9.958	2756	2758	2760	rBV3	1350	823	0.04%	0.005%
77	10.064	2788	2791	2794	rBV4	1810	1546	0.08%	0.010%
78	10.158	2817	2820	2823	rBV2	843	547	0.03%	0.003%
79	10.254	2839	2850	2868	rBV	618351	971865	48.01%	6.091%
80	10.373	2882	2887	2888	rBV4	1794	1581	0.08%	0.010%
81	11.029	3089	3091	3094	rBV3	890	564	0.03%	0.004%
82	11.138	3121	3125	3126	rBV3	2077	1624	0.08%	0.010%
83	11.177	3134	3137	3141	rBV4	2359	1778	0.09%	0.011%
84	11.289	3160	3172	3191	rBV	926115	1460224	72.13%	9.151%
85	11.527	3244	3246	3252	rBV6	2236	1923	0.09%	0.012%
86	11.666	3277	3289	3308	rBV	886839	1408648	69.59%	8.828%
87	11.981	3385	3387	3389	rBV3	1285	613	0.03%	0.004%
88	12.228	3461	3464	3467	rBV4	1344	1029	0.05%	0.006%
89	13.038	3714	3716	3717	rBV2	1832	743	0.04%	0.005%
90	13.537	3869	3871	3874	rBV3	2276	1431	0.07%	0.009%

Sum of corrected areas: 15956446

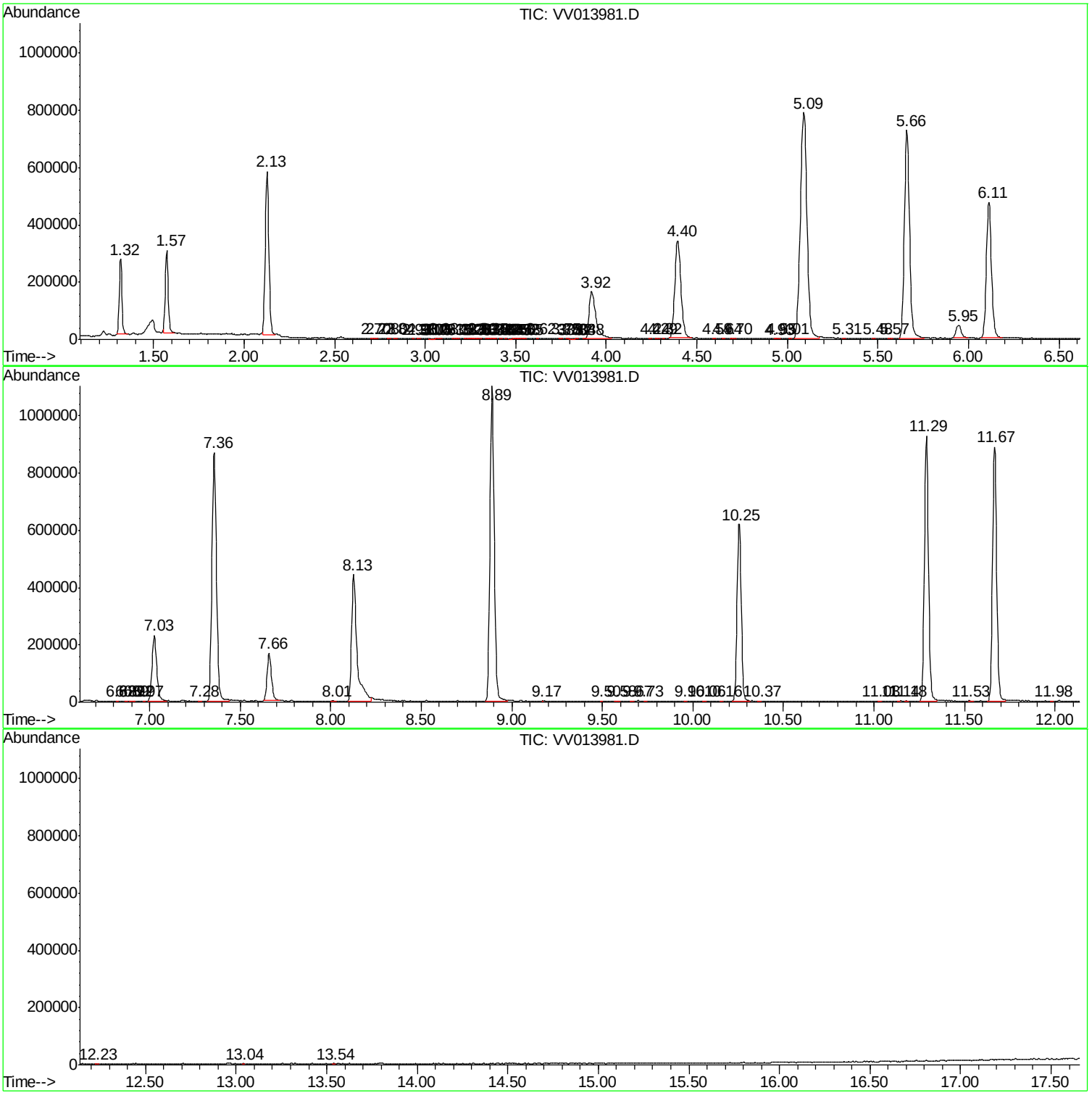
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.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_V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

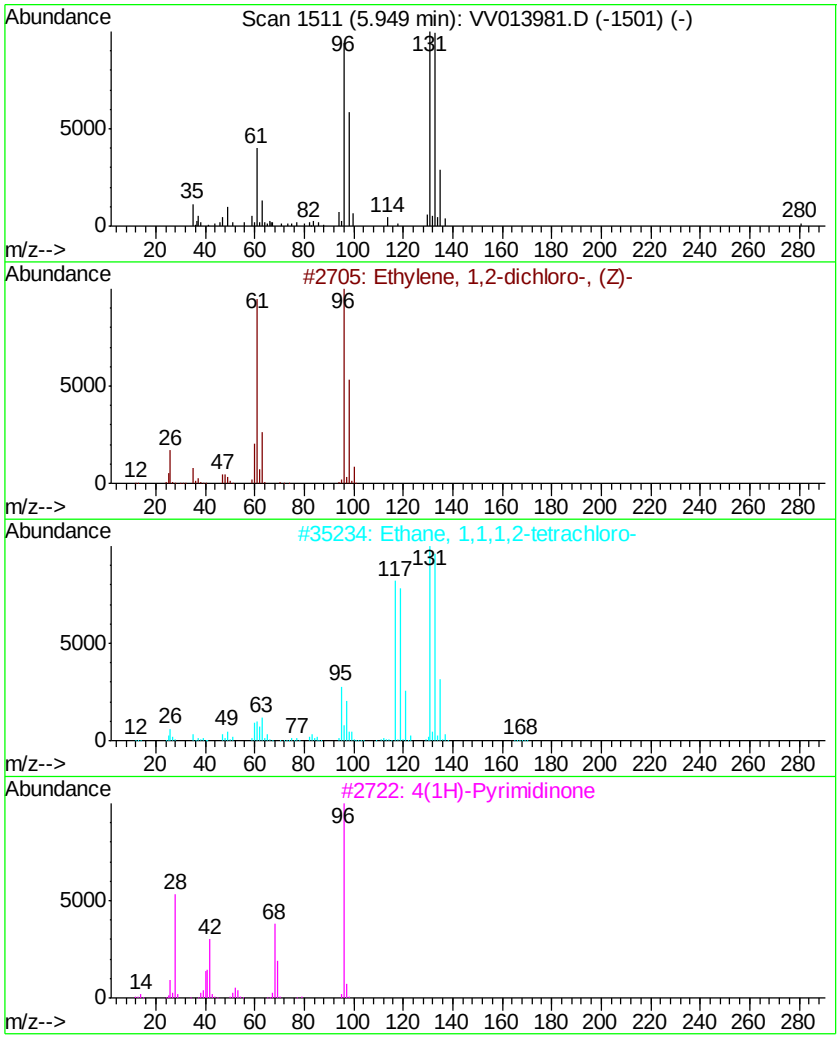
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

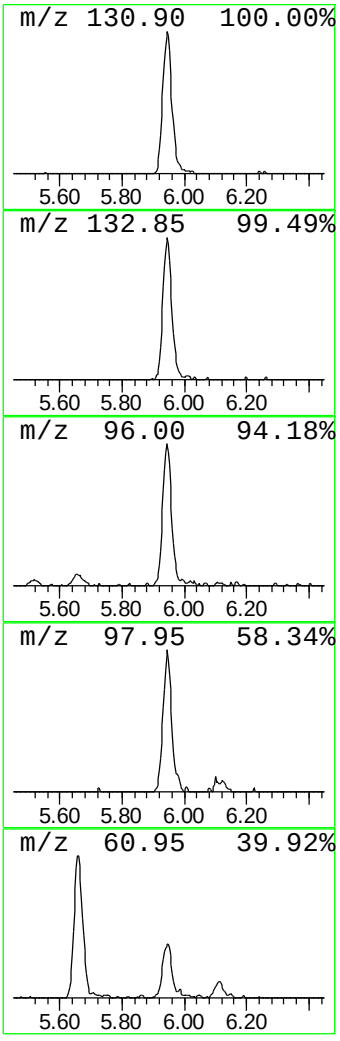
****

Peak Number 1 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	2.93 ug/L	85466	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	25
2	Ethane, 1,1,1,2-tetrachloro-	166	C2H2Cl4	000630-20-6	25
3	4(1H)-Pyrimidinone	96	C4H4N2O	004562-27-0	9
4	Acetylthiosemicarbazide	133	C3H7N3OS	002302-88-7	9
5	m-Methoxybenzontrile	133	C8H7NO	001527-89-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis

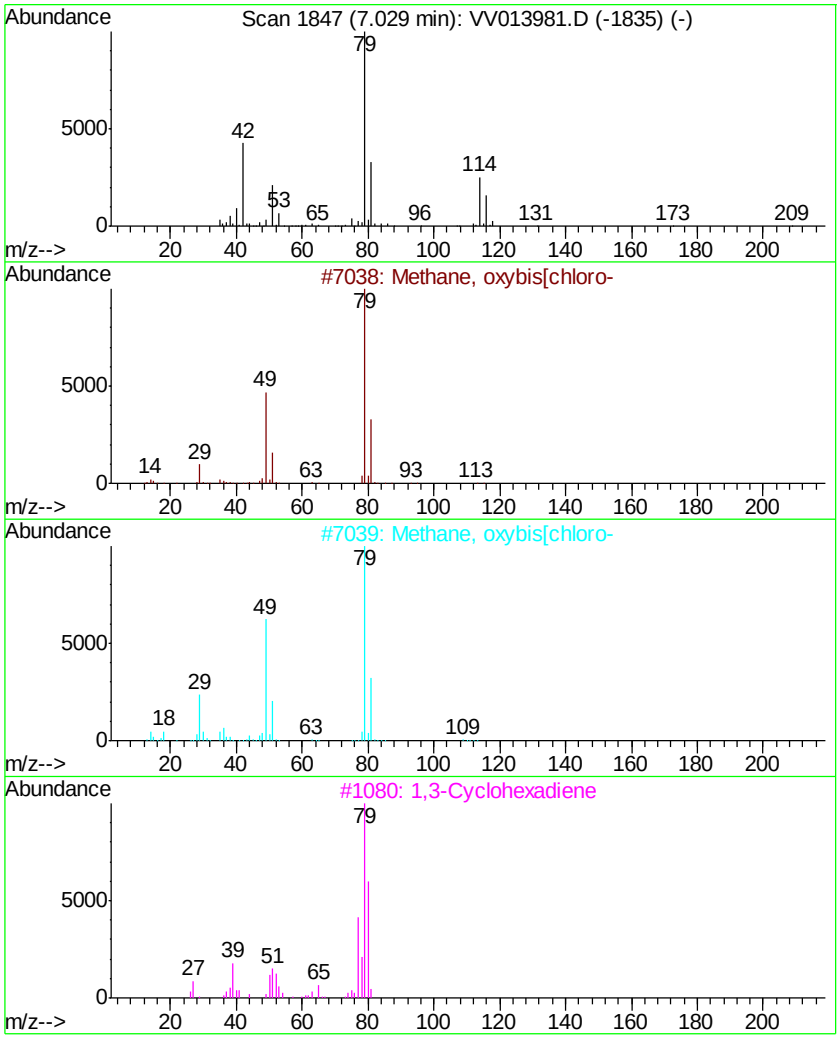
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

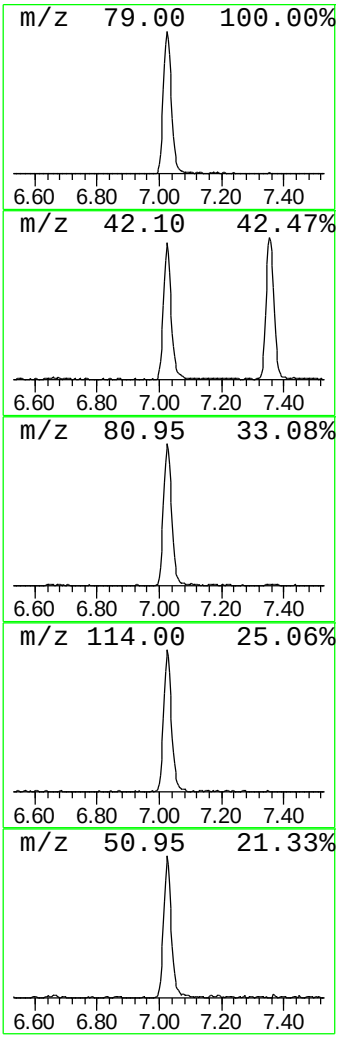
****

Peak Number 2 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	14.04 ug/L	409393	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	43
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	37
3	1,3-Cyclohexadiene	80	C6H8	000592-57-4	25
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
5	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	23





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121019\
Data File : VV013981.D
Acq On : 10 Dec 2019 12:32
Operator : SY/MD
Sample : K6146-08
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VHBLK01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.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
unknown-01	5.95	2.9	ug/L	85466	1	5.66	1458420	50.0
unknown-02	7.03	14.0	ug/L	409393	1	5.66	1458420	50.0