LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
Data File : VV009867.D
Acq On : 25 Mar 2019 17:56
Operator : SY/MD
Sample : K2016-03DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0980DL

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\SOMVLM032519WMA.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	1.206	31	36	48	rBV2	22735	32422	2.91%	0.460%
2	1.322	66	72	82	rVB	158999	148069	13.31%	2.102%
3	1.560	141	146	158	rVB	157095	185007	16.63%	2.626%
4	2.126	314	322	334	rVB	368000	511778	46.01%	7.265%
5	2.248	357	360	365	rBV3	1556	1196	0.11%	0.017%
6	2.470	423	429	432	rBV4	1245	1418	0.13%	0.020%
7	2.528	442	447	448	rBV3	1196	1064	0.10%	0.015%
8	2.576	460	462	466	rBV2	1209	810	0.07%	0.011%
9	2.653	477	486	501	rVB	13971	32032	2.88%	0.455%
10	2.750	512	516	519	rBV3	1264	1123	0.10%	0.016%
11	2.865	548	552	555	rBV2	756	628	0.06%	0.009%
12	3.743	821	825	828	rBV3	1021	747	0.07%	0.011%
13	3.933	872	884	906	rBV2	49107	133211	11.97%	1.891%
14	4.270	987	989	995	rVB4	1021	799	0.07%	0.011%
15	4.402	1014	1030	1048	rBV	122549	297908	26.78%	4.229%
16	4.631	1099	1101	1104	rVB	1543	753	0.07%	0.011%
17	4.714	1124	1127	1129	rBV2	1506	886	0.08%	0.013%
18	4.778	1144	1147	1150	rBV	1377	1089	0.10%	0.015%
19	4.817	1156	1159	1163	rVB3	692	587	0.05%	0.008%
20	4.917	1185	1190	1194	rBV	1401	1099	0.10%	0.016%
21	4.965	1201	1205	1207	rVB2	771	550	0.05%	0.008%
22	5.007	1214	1218	1221	rBV2	1118	959	0.09%	0.014%
23	5.097	1227	1246	1277	rBV3	300796	793871	71.36%	11.269%
24	5.306	1309	1311	1313	rBV	944	613	0.06%	0.009%
25	5.415	1342	1345	1347	rBV	1270	854	0.08%	0.012%
26	5.479	1363	1365	1369	rBV2	630	427	0.04%	0.006%
27	5.521	1375	1378	1381	rBV3	1486	937	0.08%	0.013%
28	5.579	1393	1396	1398	rBV2	1547	1038	0.09%	0.015%
29	5.666	1407	1423	1445	rBV	215694	430995	38.74%	6.118%
30	6.119	1550	1564	1582	rVV2	171432	350812	31.54%	4.980%
31	6.280	1612	1614	1619	rBV4	1533	1197	0.11%	0.017%
32	6.357	1635	1638	1643	rBV2	1071	1056	0.09%	0.015%
33	6.418	1654	1657	1660	rVB2	1165	742	0.07%	0.011%
34	6.560	1697	1701	1705	rBV2	1263	1096	0.10%	0.016%

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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0980DL

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\SOMVLM032519WMA.M
Title : VOC Analysis

35	6.685	1737	1740	1741	rBV3	1182	780	0.07%	0.011%
36	6.933	1812	1817	1820	rBV2	1260	1203	0.11%	0.017%
37	7.029	1837	1847	1864	rBV2	84188	147169	13.23%	2.089%
38	7.283	1922	1926	1931	rBV5	997	1102	0.10%	0.016%
39	7.360	1938	1950	1973	rBV	348221	608235	54.68%	8.634%
40	7.540	2003	2006	2010	rBV2	1633	1451	0.13%	0.021%
41	7.611	2026	2028	2031	rBV2	835	552	0.05%	0.008%
42	7.663	2035	2044	2064	rVB3	61075	102943	9.25%	1.461%
43	7.888	2112	2114	2121	rVB2	1061	1086	0.10%	0.015%
44	7.958	2131	2136	2139	rBV2	1308	1375	0.12%	0.020%
45	8.135	2181	2191	2216	rBV	167960	303530	27.29%	4.309%
46	8.579	2325	2329	2331	rBV3	969	804	0.07%	0.011%
47	8.701	2362	2367	2370	rBV4	1123	1022	0.09%	0.015%
48	8.788	2389	2394	2396	rBV	1448	1251	0.11%	0.018%
49	8.823	2402	2405	2407	rBV2	1152	716	0.06%	0.010%
50	8.849	2411	2413	2415	rBV2	812	454	0.04%	0.006%
51	8.897	2415	2428	2431	rBV	363290	517767	46.54%	7.350%
52	9.119	2495	2497	2501	rBV	1502	825	0.07%	0.012%
53	9.209	2522	2525	2528	rBV3	808	687	0.06%	0.010%
54	9.264	2539	2542	2545	rBV3	739	462	0.04%	0.007%
55	9.402	2583	2585	2589	rVB	893	528	0.05%	0.007%
56	9.884	2732	2735	2738	rBV2	996	870	0.08%	0.012%
57	9.939	2747	2752	2760	rBV2	1099	1677	0.15%	0.024%
58	10.010	2769	2774	2775	rBV	850	643	0.06%	0.009%
59	10.180	2824	2827	2829	rBV	937	749	0.07%	0.011%
60	10.264	2842	2853	2868	rBV	231354	370355	33.29%	5.257%
61	10.424	2896	2903	2907	rBV5	1853	2588	0.23%	0.037%
62	10.839	3030	3032	3036	rBV	576	447	0.04%	0.006%
63	10.900	3046	3051	3055	rBV3	2012	2222	0.20%	0.032%
64	10.961	3067	3070	3074	rBV	949	822	0.07%	0.012%
65	11.187	3136	3140	3143	rBV2	528	453	0.04%	0.006%
66	11.228	3143	3153	3164	rVV2	29181	49437	4.44%	0.702%
67	11.299	3164	3175	3198	rVB3	314364	820668	73.77%	11.650%
68	11.412	3207	3210	3212	rBV	732	437	0.04%	0.006%
69	11.582	3259	3263	3264	rBV2	781	508	0.05%	0.007%
70	11.601	3267	3269	3272	rVB2	986	453	0.04%	0.006%
71	11.617	3272	3274	3278	rVB2	1124	656	0.06%	0.009%

LSC Area Percent Report

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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0980DL

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_V\METHOD\SOMVLM032519WMA.M
Title : VOC Analysis

72	11.682	3278	3294	3313	rBV3	471156	1112426	100.00%	15.792%
73	11.765	3318	3320	3322	rBV	810	503	0.05%	0.007%
74	11.875	3352	3354	3357	rVB	1061	483	0.04%	0.007%
75	12.113	3426	3428	3434	rVB2	1515	1126	0.10%	0.016%
76	12.260	3472	3474	3477	rBV2	1177	742	0.07%	0.011%
77	12.360	3501	3505	3508	rBV	1286	922	0.08%	0.013%
78	12.405	3514	3519	3523	rBV2	1328	1398	0.13%	0.020%
79	12.791	3632	3639	3643	rBV	1658	2176	0.20%	0.031%
80	12.839	3651	3654	3656	rBV2	1115	701	0.06%	0.010%
81	13.312	3794	3801	3811	rVB5	11319	17099	1.54%	0.243%
82	13.421	3830	3835	3838	rBV2	974	946	0.09%	0.013%
83	13.637	3899	3902	3906	rBV3	1829	1395	0.13%	0.020%
84	13.797	3947	3952	3962	rVB7	4097	6059	0.54%	0.086%
85	13.842	3962	3966	3968	rBV	1252	836	0.08%	0.012%
86	13.965	4001	4004	4006	rBV2	948	623	0.06%	0.009%
87	14.032	4021	4025	4030	rBV2	1123	1536	0.14%	0.022%
88	14.119	4050	4052	4055	rVB2	1094	522	0.05%	0.007%
89	14.141	4055	4059	4060	rBV3	819	564	0.05%	0.008%
90	14.366	4125	4129	4132	rVB	978	770	0.07%	0.011%
91	14.386	4132	4135	4136	rBV2	1113	650	0.06%	0.009%
92	14.617	4204	4207	4208	rBV	862	513	0.05%	0.007%
93	14.656	4214	4219	4221	rBV3	997	1023	0.09%	0.015%
94	14.746	4244	4247	4250	rBV3	1485	1117	0.10%	0.016%
95	14.781	4255	4258	4260	rBV2	1328	813	0.07%	0.012%
96	14.881	4286	4289	4291	rBV2	1349	841	0.08%	0.012%
97	15.077	4343	4350	4353	rBV	1423	1723	0.15%	0.024%
98	15.357	4435	4437	4439	rBV	1115	677	0.06%	0.010%
99	15.450	4464	4466	4468	rBV2	1263	696	0.06%	0.010%
100	16.273	4718	4722	4723	rBV2	1361	877	0.08%	0.012%

Sum of corrected areas: 7044457

LSC Report - Integrated Chromatogram

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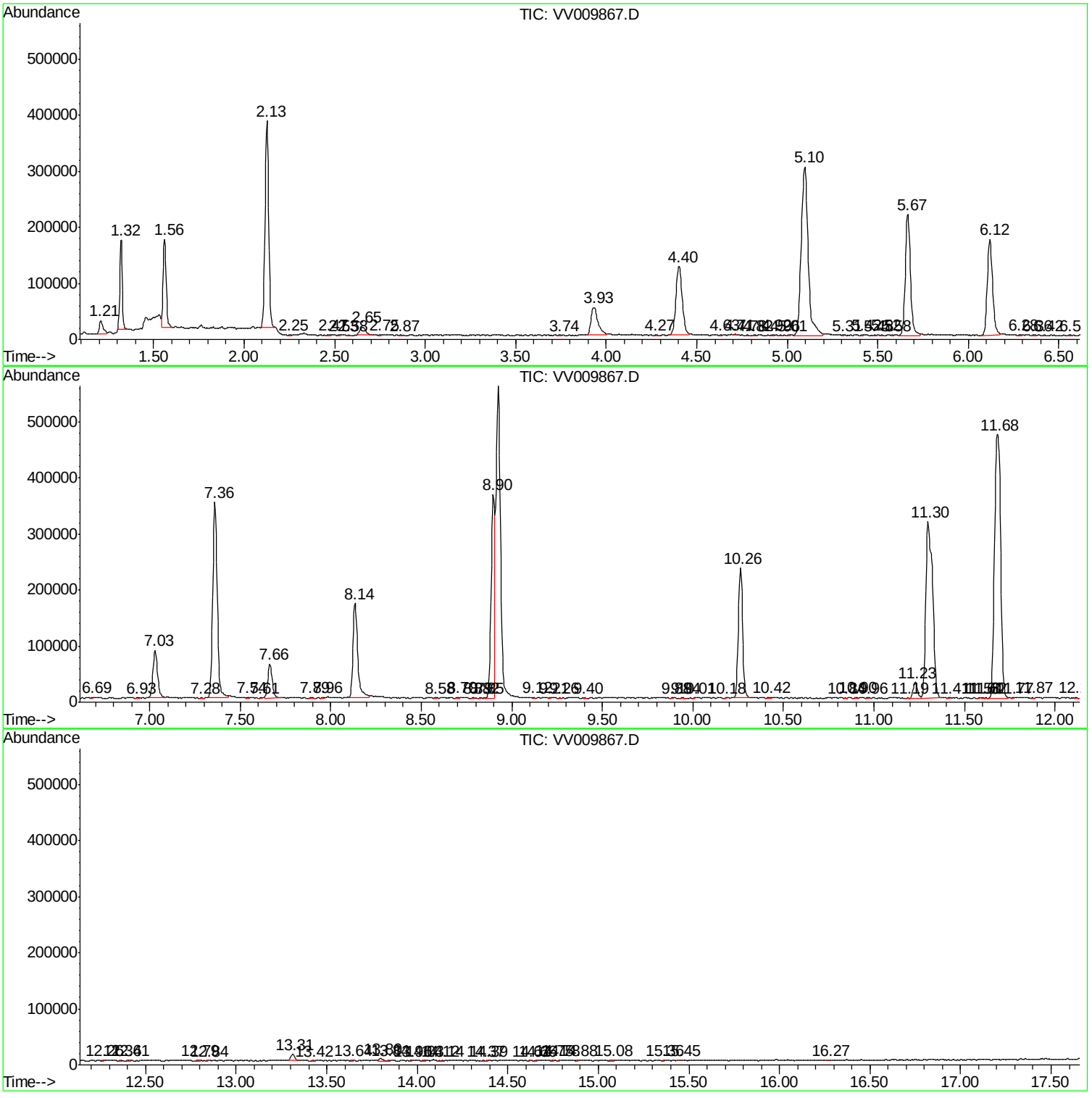
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0980DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis

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



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis

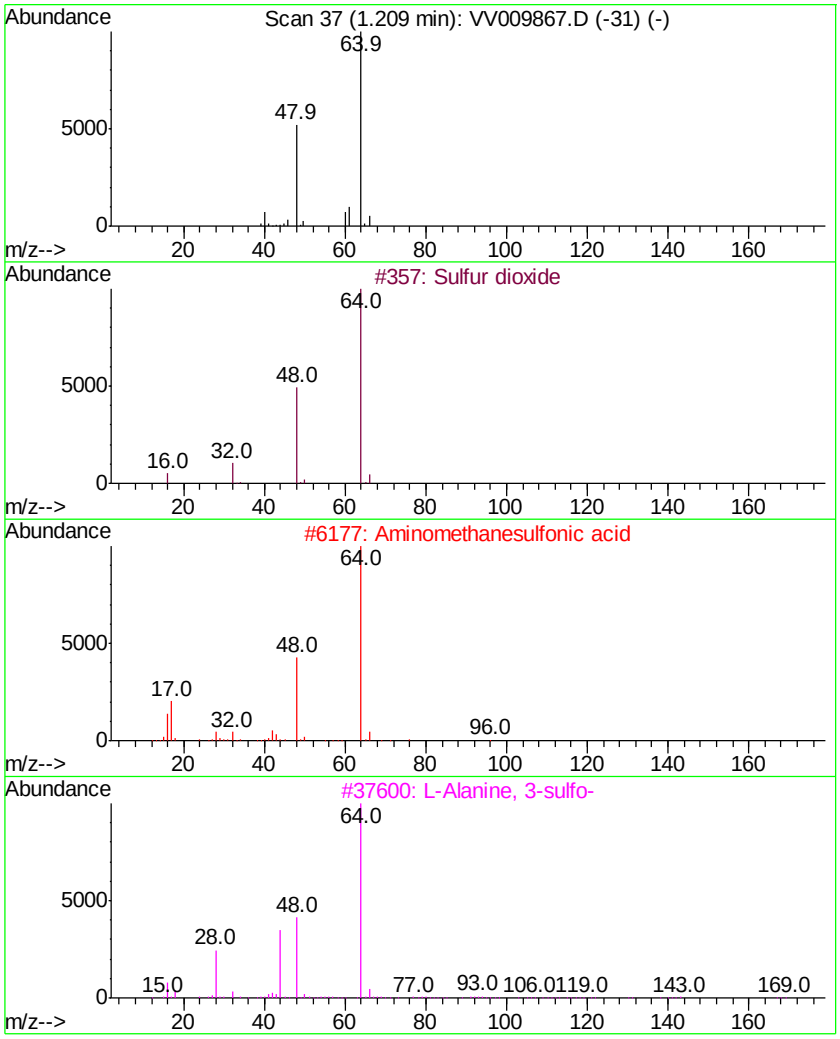
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

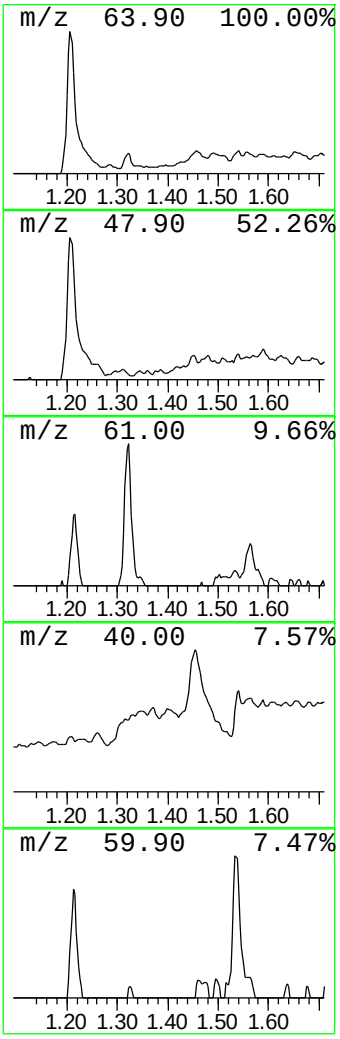
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	3.76 ug/L	32422	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV032519\
Data File : VV009867.D
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Instrument : MSVOA_V
ClientSampleId : C0980DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis

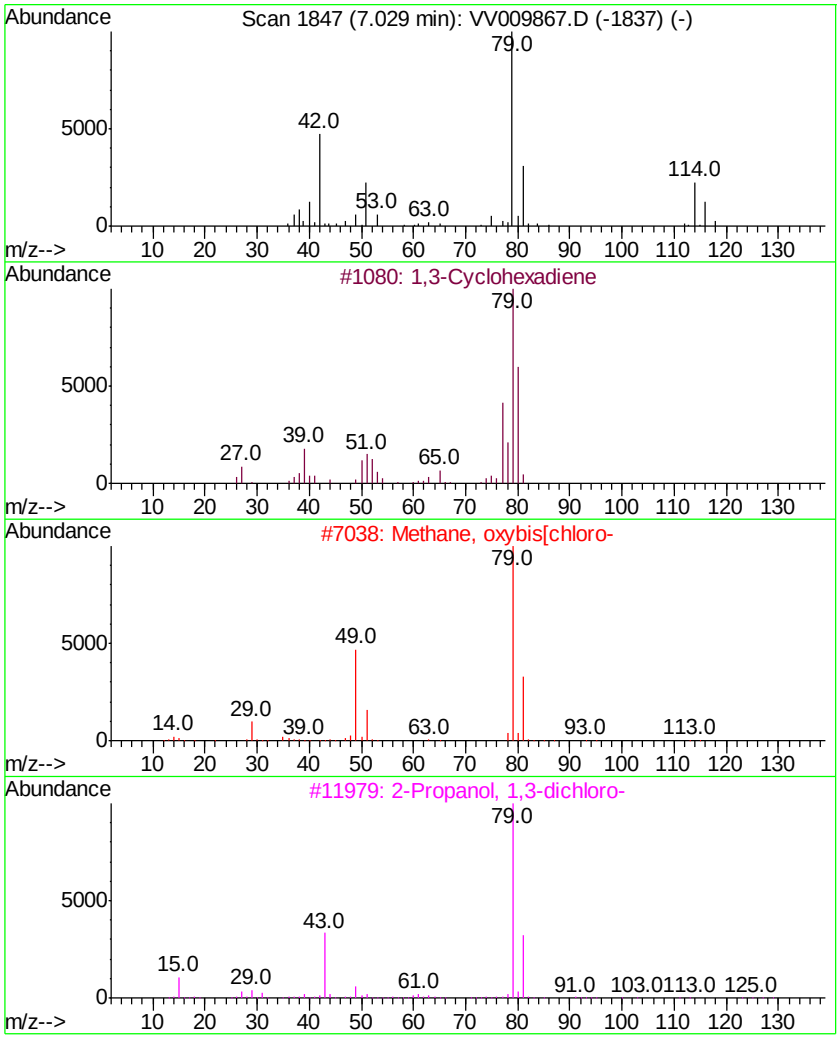
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

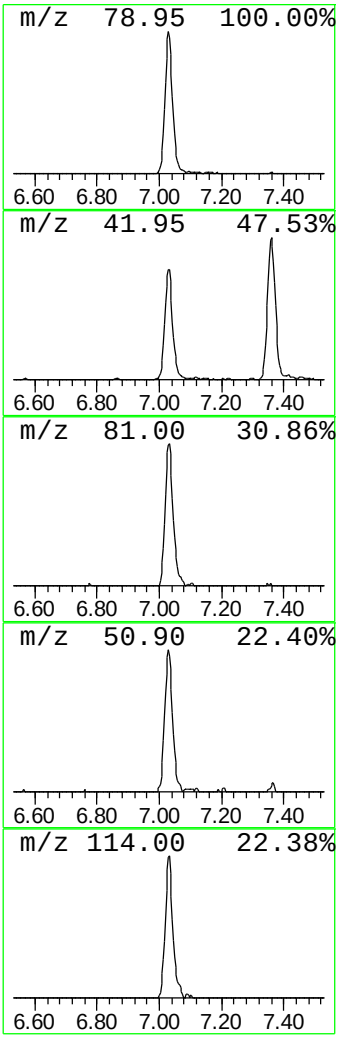
****

Peak Number 3 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	17.07 ug/L	147169	1,4-Difluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	37
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
3	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17
4	Borane, diethyl-1-propynyl-	108	C7H13B	022405-32-9	17
5	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	9





Tentatively Identified Compound (LSC) summary

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.21	3.8	ug/L	32422	1	5.67	430995	50.0
unknown-01	7.03	17.1	ug/L	147169	1	5.67	430995	50.0