LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

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\SOMVLM011121WMA.M
Title : VOC Analysis

Signal : TIC: VV020029.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.110	3	6	18	rVB2	38636	35424	2.48%	0.261%
2	1.309	59	68	80	rVB	222586	230120	16.13%	1.698%
3	1.418	88	102	106	rBV3	29260	66462	4.66%	0.490%
4	1.569	143	149	161	rVB	184331	208402	14.61%	1.537%
5	2.110	307	317	351	rVB	375532	595626	41.75%	4.394%
6	2.296	369	375	385	rVB	4268	5963	0.42%	0.044%
7	2.437	414	419	421	rBV6	1614	1405	0.10%	0.010%
8	2.531	439	448	468	rVB2	53520	102576	7.19%	0.757%
9	2.762	506	520	541	rVB3	94277	193522	13.57%	1.428%
10	2.942	570	576	578	rBV5	1778	1647	0.12%	0.012%
11	2.955	578	580	584	rVB3	1102	836	0.06%	0.006%
12	3.042	592	607	632	rBV	350865	695820	48.78%	5.133%
13	3.290	673	684	693	rBV6	4635	9757	0.68%	0.072%
14	3.659	791	799	800	rBV6	1183	1239	0.09%	0.009%
15	3.669	800	802	811	rVB8	1316	1508	0.11%	0.011%
16	3.762	816	831	852	rVV	118529	295091	20.69%	2.177%
17	3.894	861	872	905	rBV	93426	293594	20.58%	2.166%
18	4.351	997	1014	1046	rVV2	240648	595032	41.71%	4.390%
19	4.495	1056	1059	1061	rVV5	1439	1062	0.07%	0.008%
20	4.563	1075	1080	1082	rBV4	952	1002	0.07%	0.007%
21	4.675	1104	1115	1116	rBV5	3908	5029	0.35%	0.037%
22	4.762	1132	1142	1154	rBV5	3022	8397	0.59%	0.062%
23	4.910	1180	1188	1198	rBV9	2802	6047	0.42%	0.045%
24	5.048	1213	1231	1264	rBV2	551120	1426574	100.00%	10.524%
25	5.235	1280	1289	1306	rVB5	11887	29404	2.06%	0.217%
26	5.473	1360	1363	1366	rBV5	1053	924	0.06%	0.007%
27	5.502	1366	1372	1378	rVV7	1601	2138	0.15%	0.016%
28	5.617	1395	1408	1434	rBV	502572	1013145	71.02%	7.474%
29	5.907	1488	1498	1518	rVV4	17544	39741	2.79%	0.293%
30	6.071	1535	1549	1577	rBV	321856	666233	46.70%	4.915%
31	6.190	1581	1586	1588	rBV4	2902	2780	0.19%	0.021%
32	6.373	1641	1643	1650	rVB7	980	869	0.06%	0.006%
33	6.447	1659	1666	1667	rBV5	2246	1909	0.13%	0.014%
34	6.527	1689	1691	1695	rVB3	1103	833	0.06%	0.006%
35	6.659	1718	1732	1748	rVB3	14837	33294	2.33%	0.246%
36	6.778	1757	1769	1780	rBV5	13238	28445	1.99%	0.210%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

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\SOMVLM011121WMA.M
Title : VOC Analysis

37	6.839	1782	1788	1797	rVB7	3885	6148	0.43%	0.045%
38	6.923	1806	1814	1820	rBV8	4269	6815	0.48%	0.050%
39	6.987	1824	1834	1855	rVB	165456	301510	21.14%	2.224%
40	7.080	1860	1863	1865	rBV4	4557	3397	0.24%	0.025%
41	7.264	1908	1920	1926	rBV2	15313	27428	1.92%	0.202%
42	7.318	1926	1937	1963	rVB	623420	1075834	75.41%	7.936%
43	7.576	2010	2017	2021	rBV7	2717	3117	0.22%	0.023%
44	7.624	2023	2032	2056	rVV	117061	205295	14.39%	1.514%
45	7.791	2080	2084	2096	rVB7	3020	4983	0.35%	0.037%
46	7.849	2096	2102	2103	rBV4	1500	1501	0.11%	0.011%
47	7.977	2136	2142	2152	rVB8	5613	9263	0.65%	0.068%
48	8.042	2158	2162	2167	rBV7	1028	1372	0.10%	0.010%
49	8.093	2167	2178	2208	rBV2	324592	675931	47.38%	4.986%
50	8.357	2255	2260	2265	rBV8	2325	3094	0.22%	0.023%
51	8.498	2299	2304	2306	rBV4	1735	1360	0.10%	0.010%
52	8.579	2321	2329	2332	rBV7	3680	5659	0.40%	0.042%
53	8.672	2352	2358	2371	rVB3	11289	17830	1.25%	0.132%
54	8.794	2384	2396	2403	rBV3	10825	19270	1.35%	0.142%
55	8.855	2404	2415	2442	rVV	799607	1279648	89.70%	9.440%
56	9.016	2457	2465	2476	rVB2	8782	16448	1.15%	0.121%
57	9.225	2519	2530	2543	rVB8	7356	17729	1.24%	0.131%
58	9.479	2599	2609	2616	rBV8	6162	11731	0.82%	0.087%
59	9.585	2637	2642	2650	rVB9	2826	4194	0.29%	0.031%
60	9.682	2665	2672	2674	rBV7	2607	2953	0.21%	0.022%
61	9.919	2742	2746	2748	rBV5	1216	1049	0.07%	0.008%
62	10.026	2772	2779	2781	rBV6	2854	3315	0.23%	0.024%
63	10.222	2828	2840	2858	rBV	417251	660094	46.27%	4.869%
64	10.511	2926	2930	2933	rBV5	2166	2170	0.15%	0.016%
65	10.730	2995	2998	3000	rBV3	1466	966	0.07%	0.007%
66	11.032	3089	3092	3094	rBV3	1348	899	0.06%	0.007%
67	11.157	3125	3131	3136	rBV9	2909	3441	0.24%	0.025%
68	11.254	3150	3161	3182	rBV	874060	1334957	93.58%	9.848%
69	11.466	3224	3227	3230	rBV4	1488	1092	0.08%	0.008%
70	11.556	3246	3255	3257	rBV7	5239	7069	0.50%	0.052%
71	11.630	3268	3278	3302	rVB	721708	1133140	79.43%	8.359%
72	11.820	3334	3337	3340	rBV4	2081	1885	0.13%	0.014%
73	11.919	3361	3368	3372	rBV4	5712	7829	0.55%	0.058%
74	12.026	3394	3401	3412	rVB2	8679	14061	0.99%	0.104%
75	12.122	3427	3431	3432	rBV3	1571	834	0.06%	0.006%
76	12.424	3518	3525	3533	rVB5	5543	8647	0.61%	0.064%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

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\SOMVLM011121WMA.M
Title : VOC Analysis

77	12.476	3533	3541	3550	rBV2	8727	12351	0.87%	0.091%
78	12.559	3562	3567	3571	rBV5	3690	4347	0.30%	0.032%
79	12.675	3596	3603	3605	rBV5	1423	1650	0.12%	0.012%
80	12.736	3617	3622	3631	rVB7	5555	7892	0.55%	0.058%
81	12.804	3641	3643	3649	rVB6	2644	2037	0.14%	0.015%
82	12.855	3649	3659	3665	rBV9	3075	5000	0.35%	0.037%
83	12.897	3665	3672	3675	rBV7	3108	3542	0.25%	0.026%
84	13.009	3699	3707	3715	rVV4	2778	4272	0.30%	0.032%
85	13.170	3752	3757	3759	rBV4	1815	1462	0.10%	0.011%
86	13.222	3769	3773	3774	rBV4	2368	1507	0.11%	0.011%
87	13.279	3783	3791	3797	rBV10	6160	9822	0.69%	0.072%
88	13.472	3848	3851	3855	rBV5	1412	1144	0.08%	0.008%
89	13.611	3888	3894	3898	rBV8	1141	924	0.06%	0.007%
90	13.710	3923	3925	3927	rBV2	1601	998	0.07%	0.007%
91	13.836	3960	3964	3968	rVB5	1190	1006	0.07%	0.007%
92	13.923	3986	3991	3996	rBV6	2139	2147	0.15%	0.016%
93	14.096	4040	4045	4047	rBV4	2051	1458	0.10%	0.011%
94	14.251	4087	4093	4098	rVB7	1701	1681	0.12%	0.012%
95	14.373	4127	4131	4136	rVB5	1118	1235	0.09%	0.009%
96	14.421	4143	4146	4150	rVV4	985	997	0.07%	0.007%
97	15.035	4333	4337	4341	rVB5	1063	857	0.06%	0.006%
98	15.353	4432	4436	4440	rBV5	1131	913	0.06%	0.007%
99	15.588	4506	4509	4515	rVV7	963	1153	0.08%	0.009%
100	15.633	4519	4523	4529	rBV5	1214	1482	0.10%	0.011%

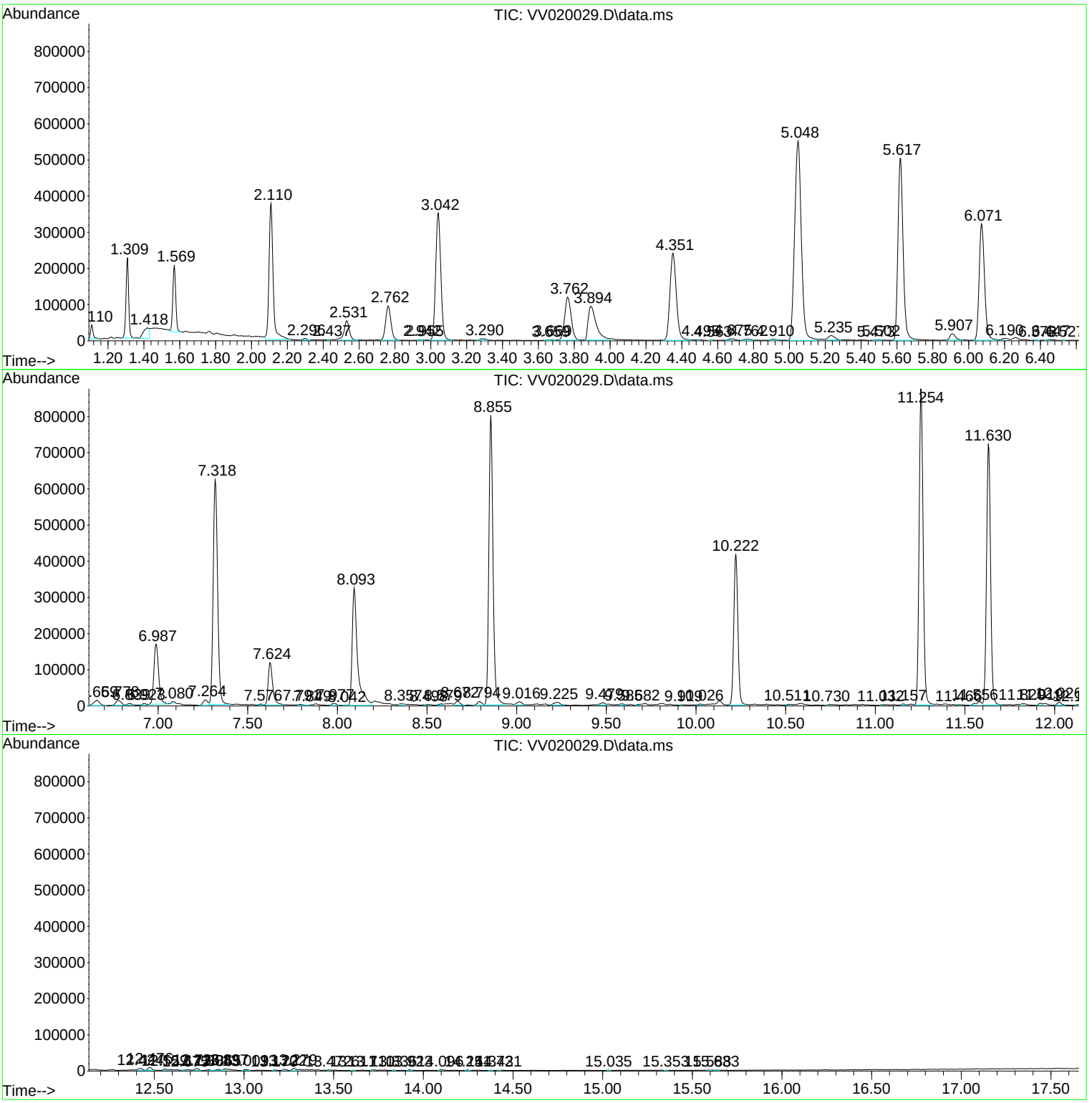
Sum of corrected areas: 13555685

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG4Y4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.M
Quant Title : VOC Analysis

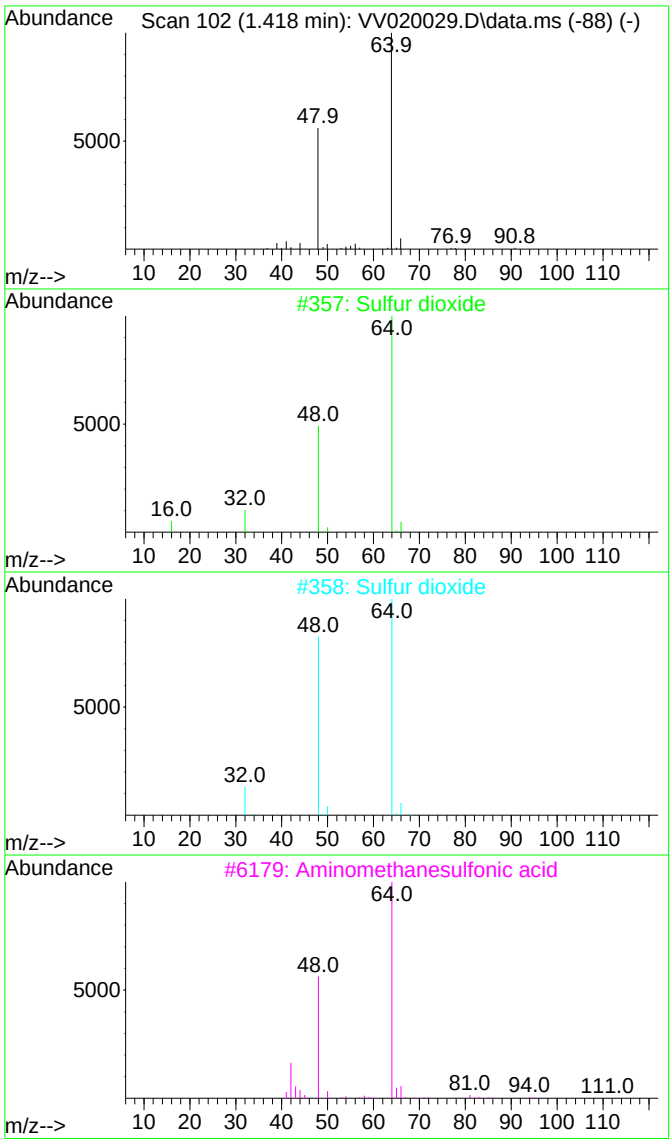
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

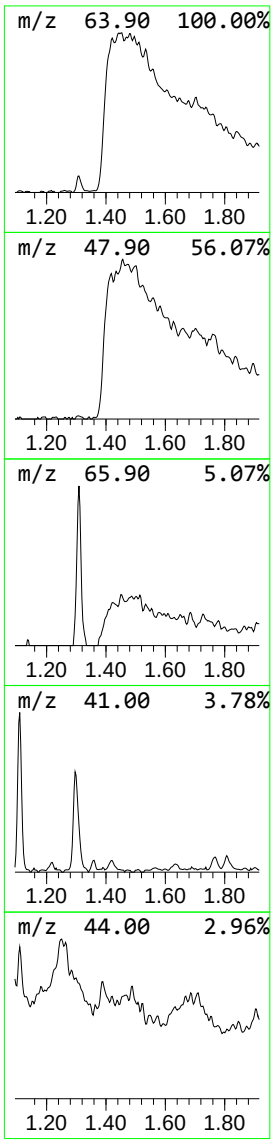
****

Peak Number 1 Sulfur dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.418	3.28 ug/L	66462	1,4-Difluorobenzene	5.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Sulfur dioxide	64	O2S	007446-09-5	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG4Y4

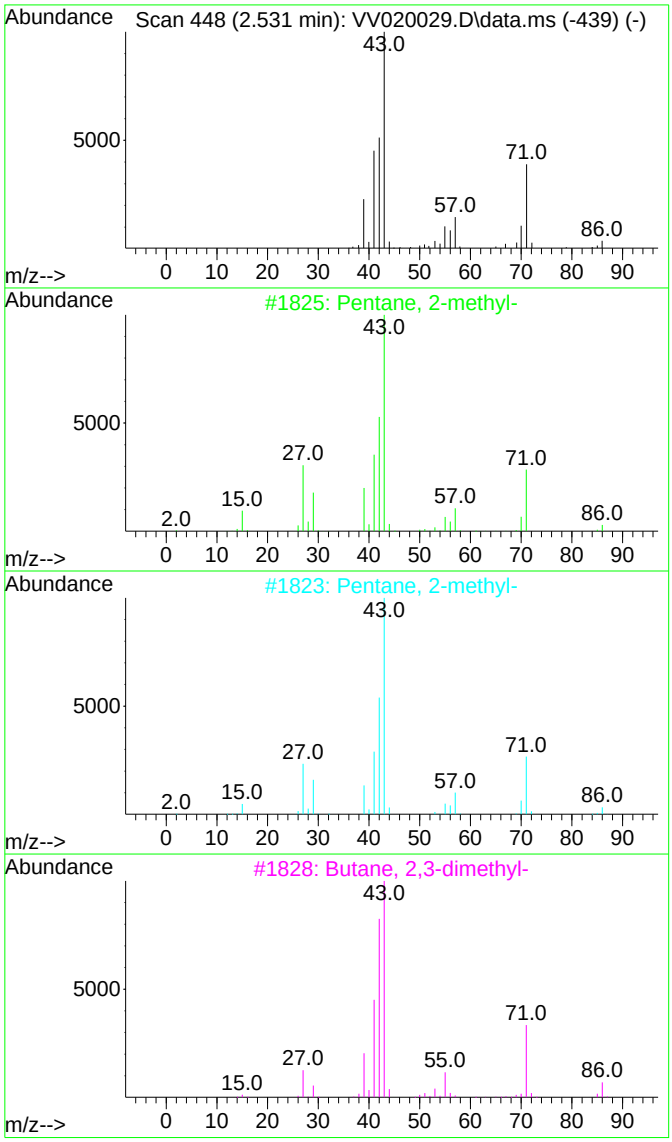
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.M
Quant Title : VOC Analysis

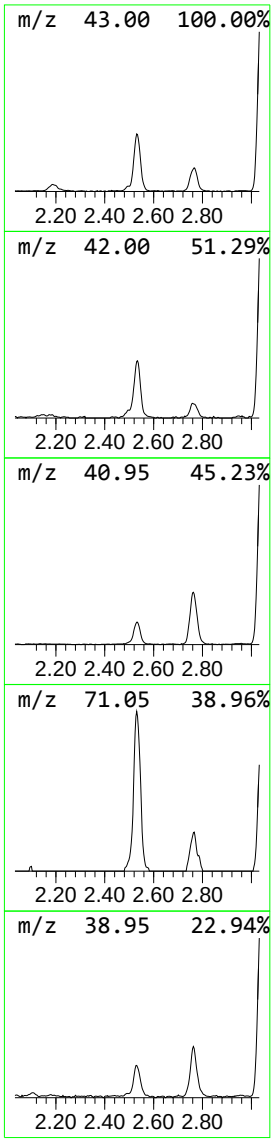
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.531	5.06 ug/L	102576	1,4-Difluorobenzene	5.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5	Pentane	72	C5H12	000109-66-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

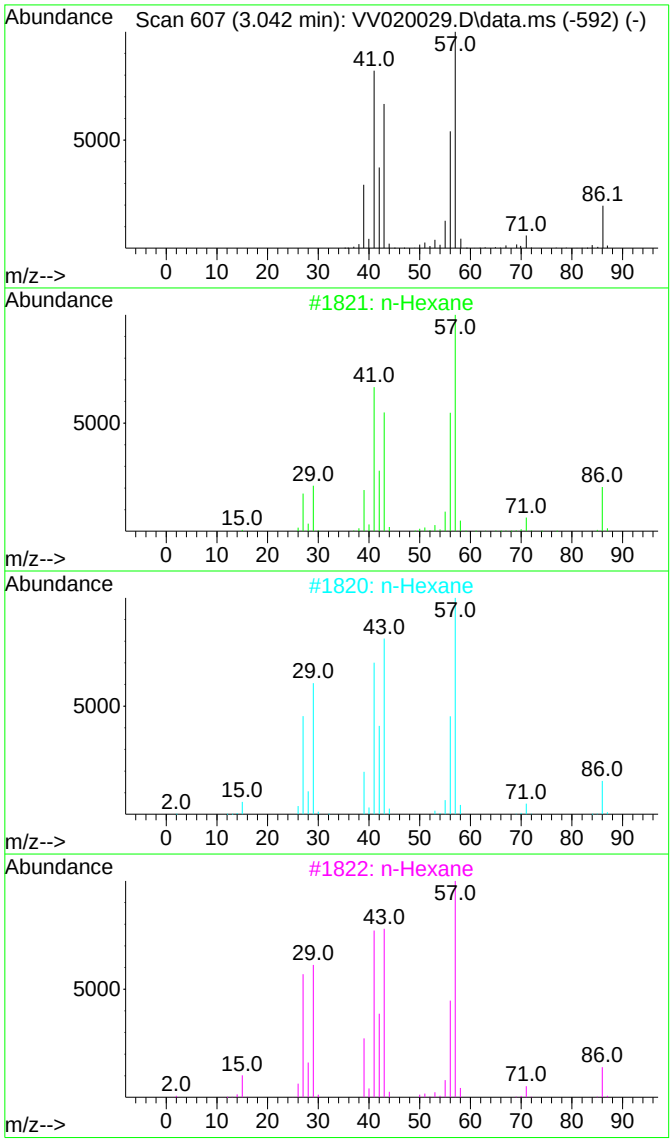
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.M
Quant Title : VOC Analysis

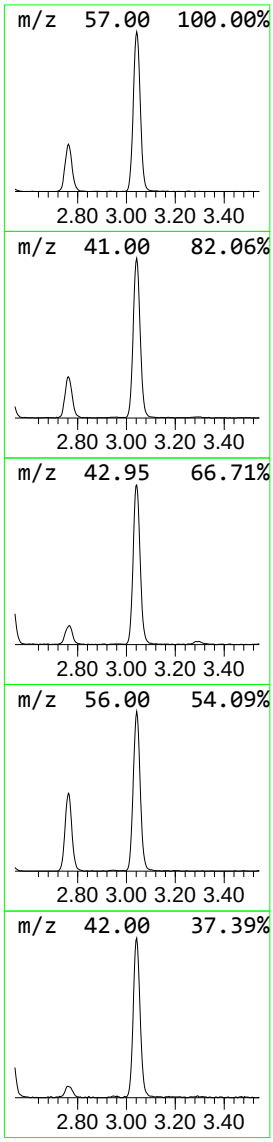
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.042	34.34 ug/L	695820	1,4-Difluorobenzene	5.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	59
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	43
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

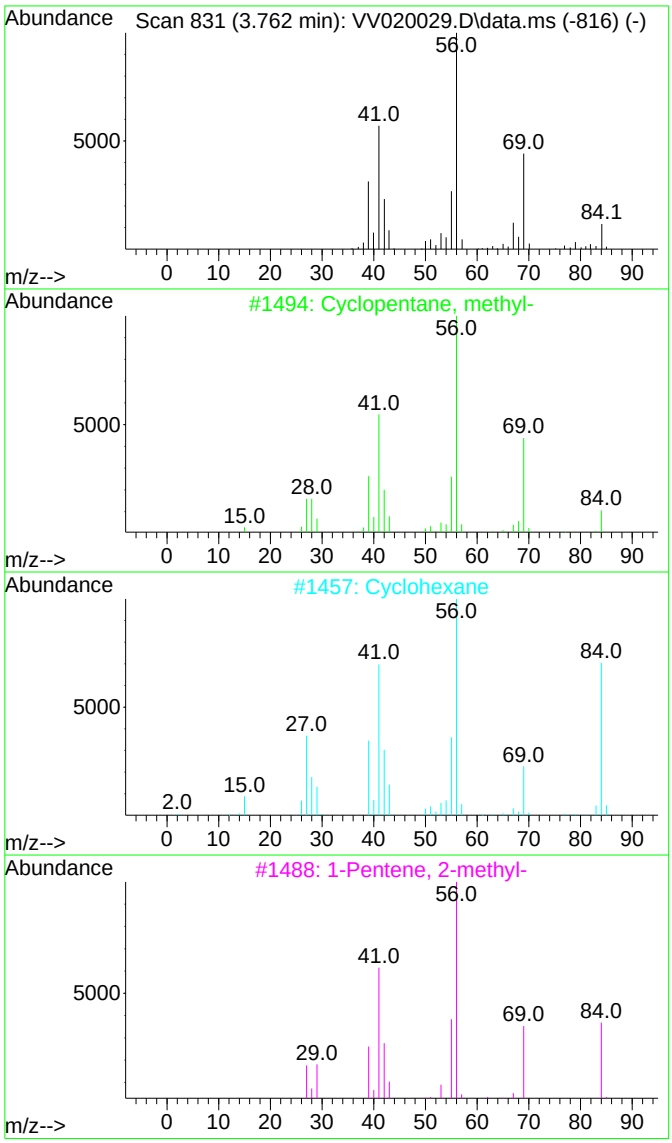
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.M
Quant Title : VOC Analysis

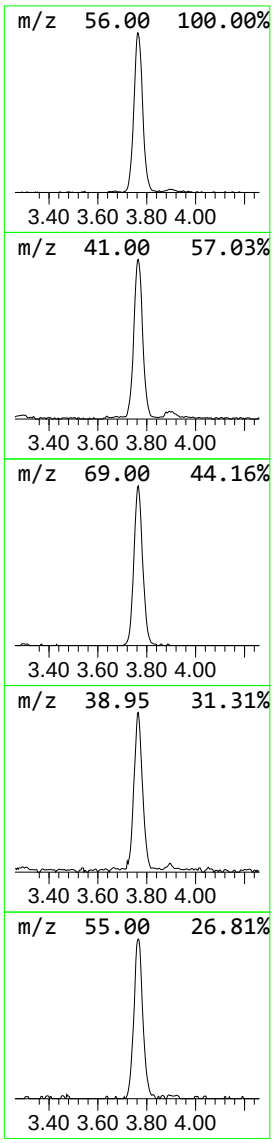
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic3.762 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.762	14.56 ug/L	295091	1,4-Difluorobenzene	5.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	80
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011521\
Data File : VV020029.D
Acq On : 15 Jan 2021 17:20
Operator : SY/MD
Sample : M1147-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG4Y4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM011121WMA.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
Sulfur dioxide	1.418	3.3	ug/L	66462	1	5.621	1013150	50.0
(DEL) Alkane: S...	2.531	5.1	ug/L	102576	1	5.621	1013150	50.0
(DEL) Alkane: S...	3.042	34.3	ug/L	695820	1	5.621	1013150	50.0
(DEL) Alkane: C...	3.762	14.6	ug/L	295091	1	5.621	1013150	50.0