LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

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\SOMVLM030620WMA.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	1.222	37	41	53	rVB	22810	21899	1.66%	0.177%
2	1.315	63	70	83	rVB	155955	163486	12.37%	1.318%
3	1.479	116	121	129	rVB	24196	24531	1.86%	0.198%
4	1.579	145	152	172	rVB	119789	147160	11.13%	1.186%
5	2.119	311	320	332	rBV	250742	357711	27.06%	2.883%
6	2.904	563	564	567	rBV	449	253	0.02%	0.002%
7	3.055	607	611	614	rVB2	651	465	0.04%	0.004%
8	3.087	619	621	626	rVB3	466	332	0.03%	0.003%
9	3.126	630	633	637	rBV	398	291	0.02%	0.002%
10	3.158	639	643	646	rVB3	717	477	0.04%	0.004%
11	3.206	655	658	660	rBV	542	385	0.03%	0.003%
12	3.238	664	668	673	rBV2	566	577	0.04%	0.005%
13	3.261	673	675	678	rVB2	346	146	0.01%	0.001%
14	3.303	685	688	690	rBV	308	180	0.01%	0.001%
15	3.322	692	694	697	rVB2	389	185	0.01%	0.001%
16	3.341	697	700	702	rBV2	426	247	0.02%	0.002%
17	3.396	713	717	720	rBV2	328	215	0.02%	0.002%
18	3.434	724	729	732	rBV	431	312	0.02%	0.003%
19	3.450	732	734	736	rVV2	473	183	0.01%	0.001%
20	3.528	755	758	760	rBV3	361	242	0.02%	0.002%
21	3.579	772	774	776	rVB2	497	202	0.02%	0.002%
22	3.595	776	779	780	rVB2	465	174	0.01%	0.001%
23	3.634	786	791	795	rBV4	451	491	0.04%	0.004%
24	3.650	795	796	800	rVB2	317	150	0.01%	0.001%
25	3.688	805	808	811	rVB2	754	374	0.03%	0.003%
26	3.737	811	823	845	rBV3	24071	69947	5.29%	0.564%
27	3.936	873	885	897	rBV2	60694	191411	14.48%	1.543%
28	4.380	1008	1023	1050	rVB	212354	521783	39.47%	4.206%
29	4.839	1163	1166	1170	rVB2	490	283	0.02%	0.002%
30	4.926	1191	1193	1194	rBV	443	196	0.01%	0.002%
31	5.074	1219	1239	1265	rBV2	521482	1321917	100.00%	10.655%
32	5.466	1358	1361	1365	rBV3	955	676	0.05%	0.005%
33	5.531	1377	1381	1384	rBV2	609	497	0.04%	0.004%
34	5.569	1384	1393	1402	rVV2	4519	10390	0.79%	0.084%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

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\SOMVLM030620WMA.M
Title : VOC Analysis

35	5.643	1403	1416	1440	rVV	454706	894646	67.68%	7.211%
36	5.881	1488	1490	1493	rBV	342	165	0.01%	0.001%
37	5.900	1493	1496	1497	rBV	395	206	0.02%	0.002%
38	6.023	1530	1534	1538	rBV2	729	624	0.05%	0.005%
39	6.097	1538	1557	1576	rBV	294526	598538	45.28%	4.824%
40	6.582	1703	1708	1709	rBV2	1083	807	0.06%	0.007%
41	6.624	1719	1721	1723	rBV2	1207	762	0.06%	0.006%
42	6.830	1783	1785	1787	rVB	483	162	0.01%	0.001%
43	6.936	1816	1818	1820	rBV2	387	189	0.01%	0.002%
44	7.010	1827	1841	1864	rBV	162663	296061	22.40%	2.386%
45	7.257	1908	1918	1932	rBV3	52513	112099	8.48%	0.904%
46	7.338	1932	1943	1956	rBV	666373	1120017	84.73%	9.028%
47	7.643	2028	2038	2054	rBV	113514	195589	14.80%	1.577%
48	7.878	2108	2111	2113	rBV3	551	388	0.03%	0.003%
49	7.961	2129	2137	2140	rBV4	3062	3586	0.27%	0.029%
50	8.035	2154	2160	2171	rBV2	5470	8463	0.64%	0.068%
51	8.116	2172	2185	2217	rBV2	397043	881647	66.69%	7.106%
52	8.421	2276	2280	2281	rBV3	427	288	0.02%	0.002%
53	8.537	2314	2316	2320	rVB4	352	218	0.02%	0.002%
54	8.560	2321	2323	2324	rBV	515	179	0.01%	0.001%
55	8.624	2341	2343	2345	rVB2	452	209	0.02%	0.002%
56	8.650	2348	2351	2356	rVB4	732	629	0.05%	0.005%
57	8.691	2359	2364	2368	rBV4	484	489	0.04%	0.004%
58	8.723	2371	2374	2375	rBV3	502	319	0.02%	0.003%
59	8.804	2395	2399	2401	rBV3	348	281	0.02%	0.002%
60	8.875	2401	2421	2448	rBV	712304	1307180	98.89%	10.536%
61	9.270	2536	2544	2558	rBV2	14134	23900	1.81%	0.193%
62	9.334	2562	2564	2565	rBV	1149	517	0.04%	0.004%
63	9.408	2580	2587	2603	rVB3	16271	28325	2.14%	0.228%
64	9.531	2623	2625	2626	rVV2	362	140	0.01%	0.001%
65	9.621	2645	2653	2676	rVB	29392	48774	3.69%	0.393%
66	9.701	2676	2678	2680	rBV3	479	241	0.02%	0.002%
67	9.736	2680	2689	2696	rBV7	4658	7382	0.56%	0.060%
68	9.875	2730	2732	2735	rBV	427	214	0.02%	0.002%
69	9.958	2754	2758	2762	rBV3	1058	1233	0.09%	0.010%
70	10.045	2782	2785	2787	rBV3	539	296	0.02%	0.002%
71	10.084	2792	2797	2799	rBV3	445	444	0.03%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

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\SOMVLM030620WMA.M
Title : VOC Analysis

72	10.096	2799	2801	2803	rBV3	1110	645	0.05%	0.005%
73	10.167	2814	2823	2834	rBV3	47518	78311	5.92%	0.631%
74	10.238	2834	2845	2858	rVB	454393	705490	53.37%	5.686%
75	10.379	2879	2889	2903	rBV2	57915	117445	8.88%	0.947%
76	10.669	2968	2979	2991	rBV	241805	416737	31.53%	3.359%
77	11.042	3085	3095	3107	rBV2	75387	121544	9.19%	0.980%
78	11.180	3136	3138	3140	rBV3	1093	439	0.03%	0.004%
79	11.270	3154	3166	3181	rBV	734312	1121930	84.87%	9.043%
80	11.646	3270	3283	3305	rBV	700177	1092748	82.66%	8.808%
81	11.945	3363	3376	3399	rBV	166763	293286	22.19%	2.364%
82	12.112	3420	3428	3437	rVB5	17871	29125	2.20%	0.235%
83	12.325	3487	3494	3503	rVB6	3768	6728	0.51%	0.054%
84	12.575	3564	3572	3579	rVV4	6282	8415	0.64%	0.068%
85	12.608	3580	3582	3585	rVB2	1424	722	0.05%	0.006%
86	12.649	3590	3595	3598	rBV5	691	635	0.05%	0.005%
87	12.707	3610	3613	3615	rBV3	857	468	0.04%	0.004%
88	12.720	3615	3617	3620	rBV3	539	261	0.02%	0.002%
89	12.801	3636	3642	3653	rVB9	9239	15298	1.16%	0.123%
90	12.842	3653	3655	3657	rBV	922	680	0.05%	0.005%
91	12.987	3699	3700	3703	rBV	508	249	0.02%	0.002%
92	13.090	3730	3732	3735	rBV2	414	213	0.02%	0.002%
93	13.141	3739	3748	3750	rBV5	2310	2701	0.20%	0.022%
94	13.241	3777	3779	3782	rBV2	554	344	0.03%	0.003%
95	13.273	3783	3789	3791	rBV4	2099	2104	0.16%	0.017%
96	13.344	3802	3811	3819	rBV4	6313	9450	0.71%	0.076%
97	13.534	3856	3870	3880	rBV6	2878	6011	0.45%	0.048%
98	14.505	4170	4172	4174	rBV3	727	473	0.04%	0.004%
99	14.694	4229	4231	4232	rBV	923	393	0.03%	0.003%
100	15.180	4379	4382	4384	rBV3	899	585	0.04%	0.005%

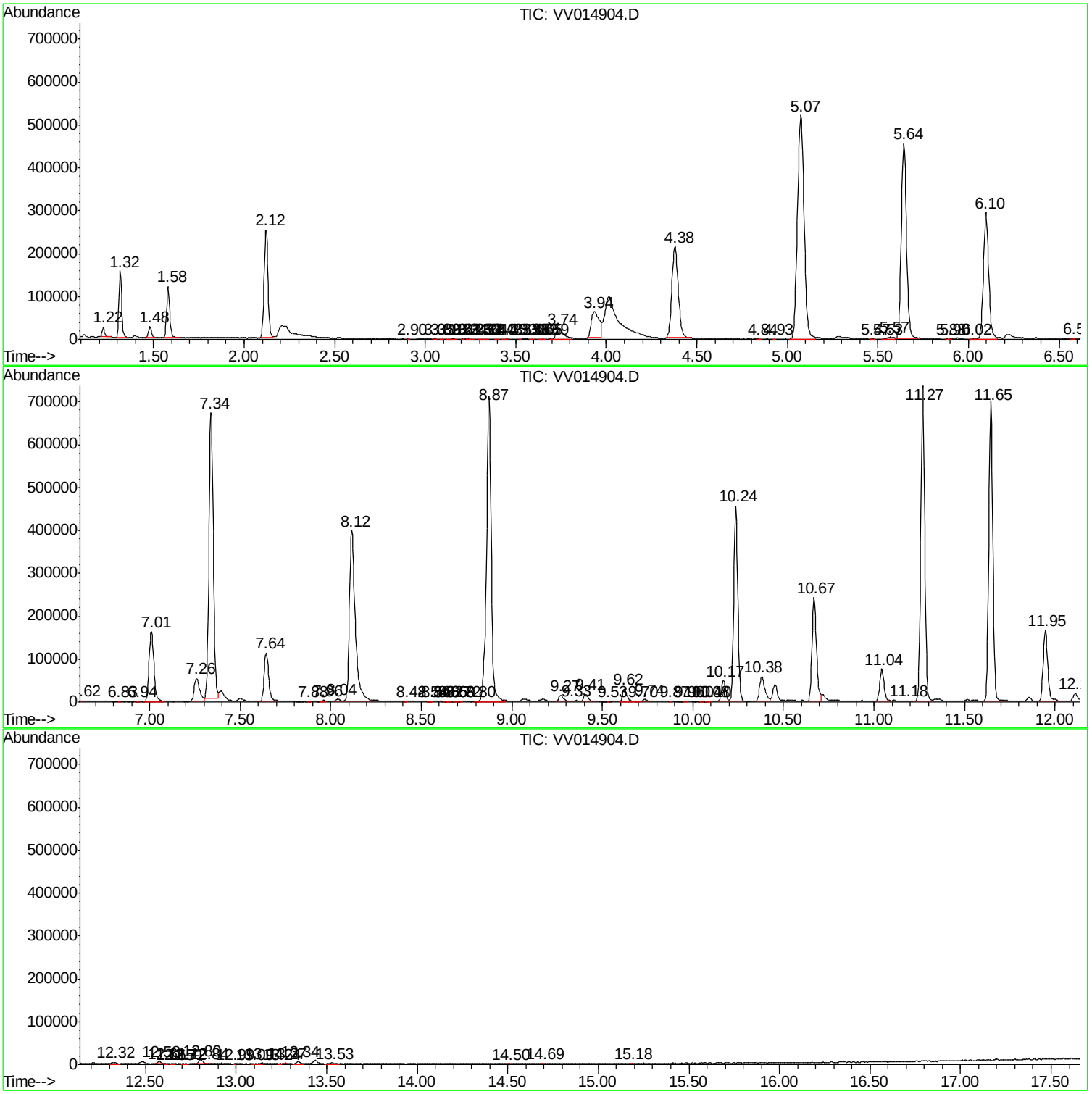
Sum of corrected areas: 12406405

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

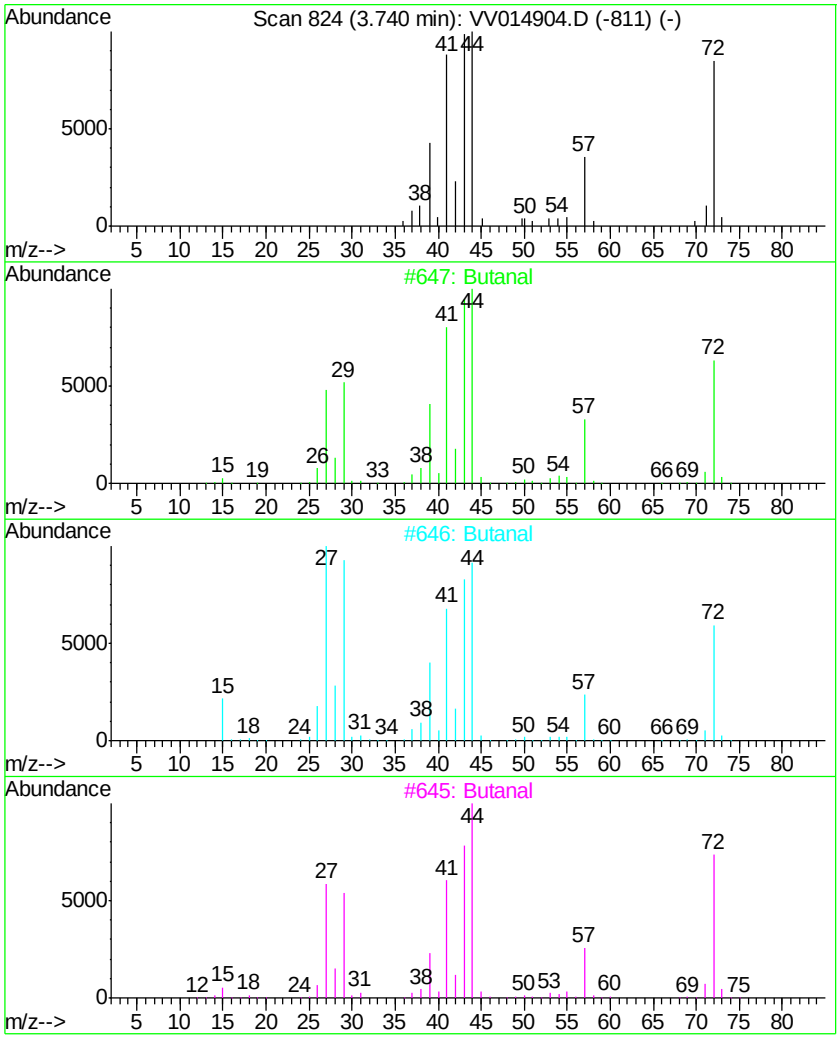
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

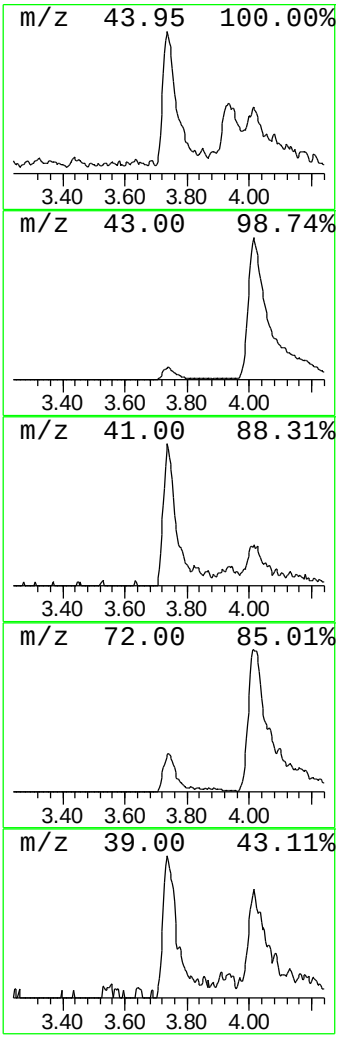
****

Peak Number 1 Butanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	3.91 ug/L	69947	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	72
4	Butanal	72	C4H8O	000123-72-8	59
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

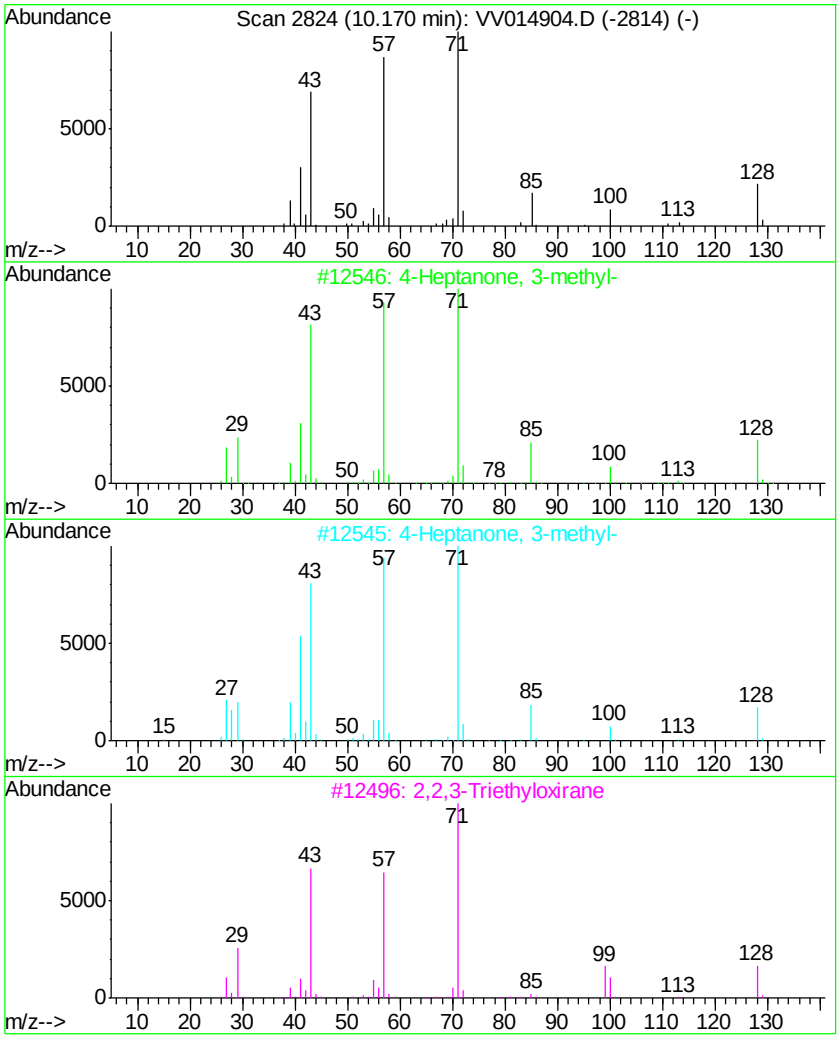
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

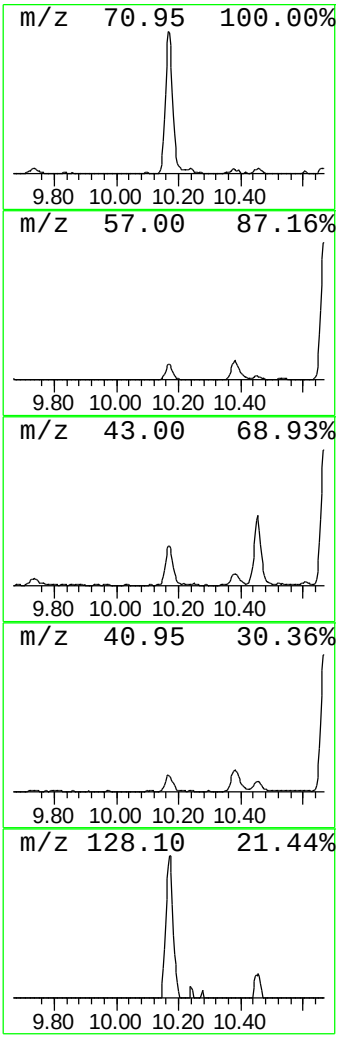
****

Peak Number 3 4-Heptanone, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.49 ug/L	78311	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	94
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	91
3	2,2,3-Triethyloxirane	128	C8H16O	053229-40-6	87
4	3-Hexanone, 4-ethyl-	128	C8H16O	006137-12-8	64
5	4-Octanone	128	C8H16O	000589-63-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

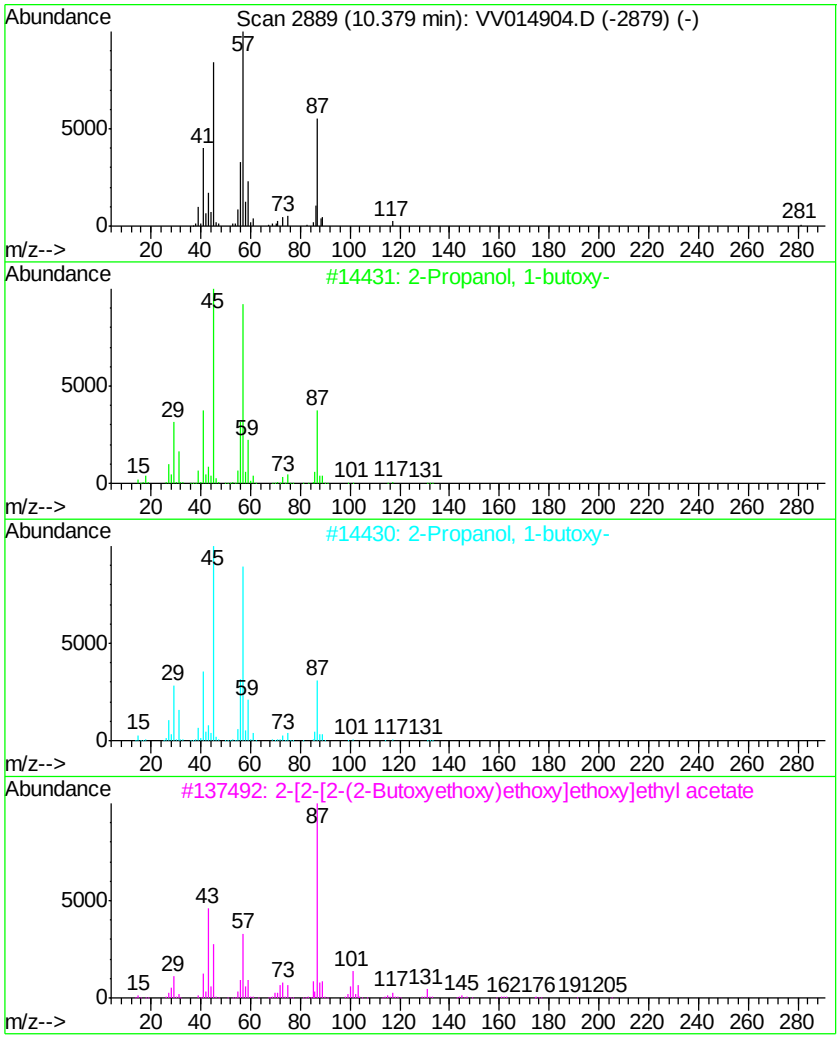
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

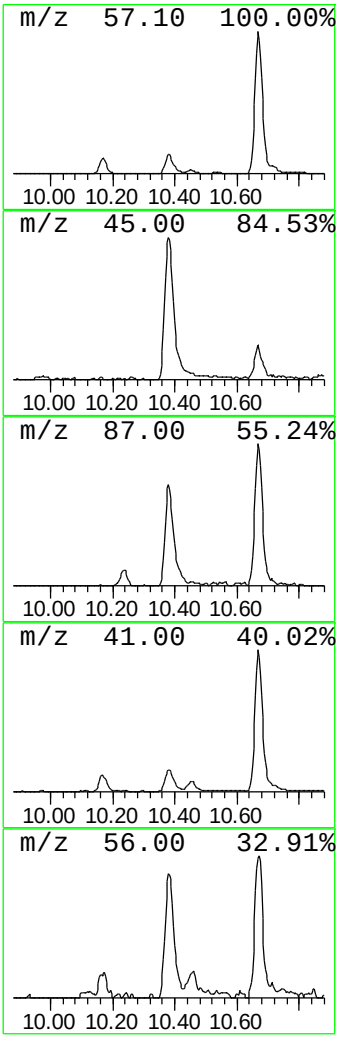
****

Peak Number 4 2-Propanol, 1-butoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	5.23 ug/L	117445	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	78
2	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	72
3	2-[2-[2-(2-Butoxyethoxy)ethoxyle...	292	C14H28O6	1000351-93-9	64
4	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	53
5	4-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-79-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

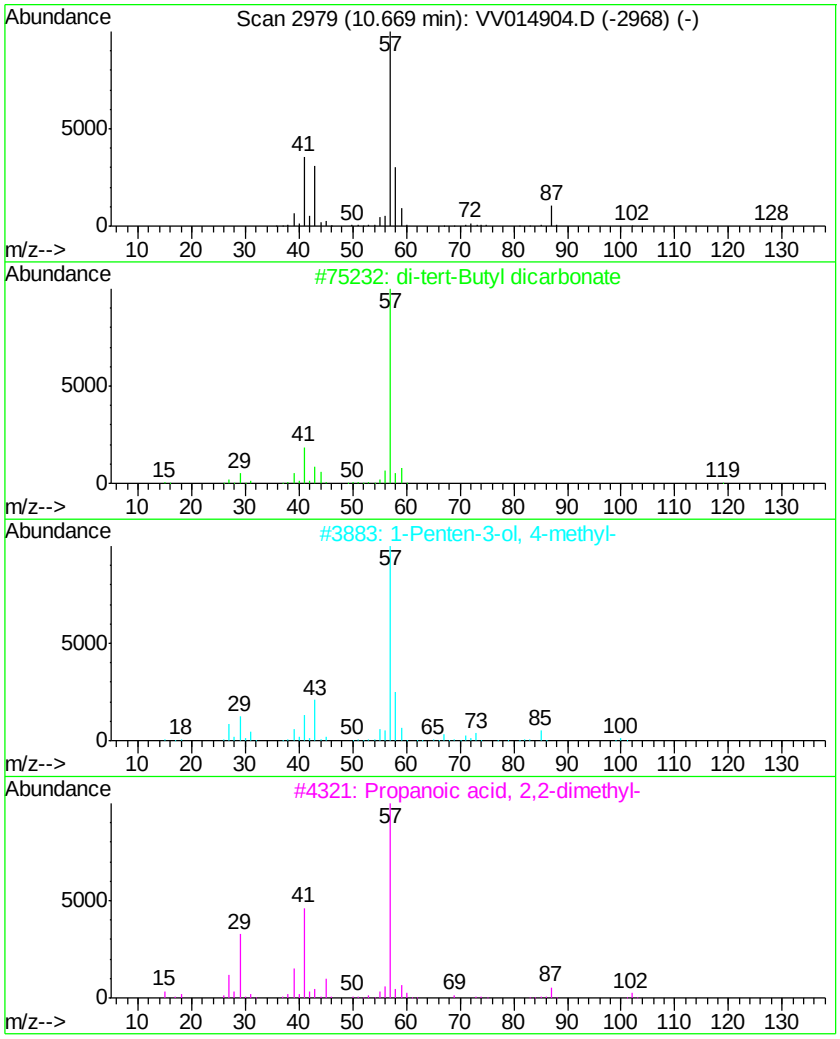
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

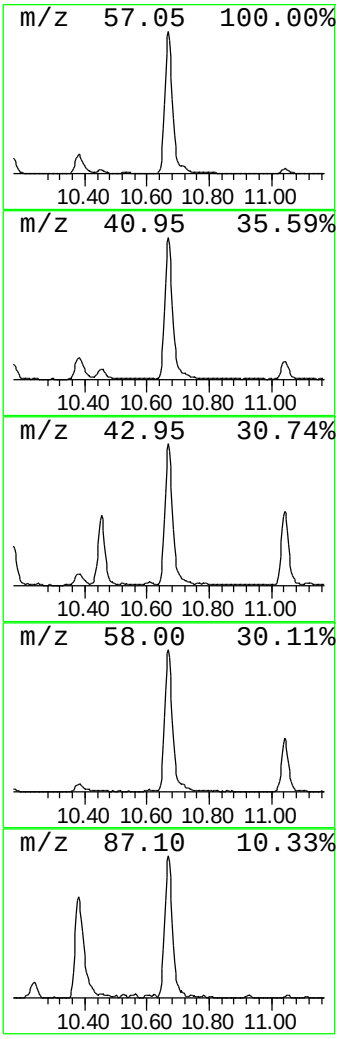
****

Peak Number 5 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	18.57 ug/L	416737	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	37
2	1-Penten-3-ol, 4-methyl-	100	C6H12O	004798-45-2	36
3	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	33
4	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	33
5	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

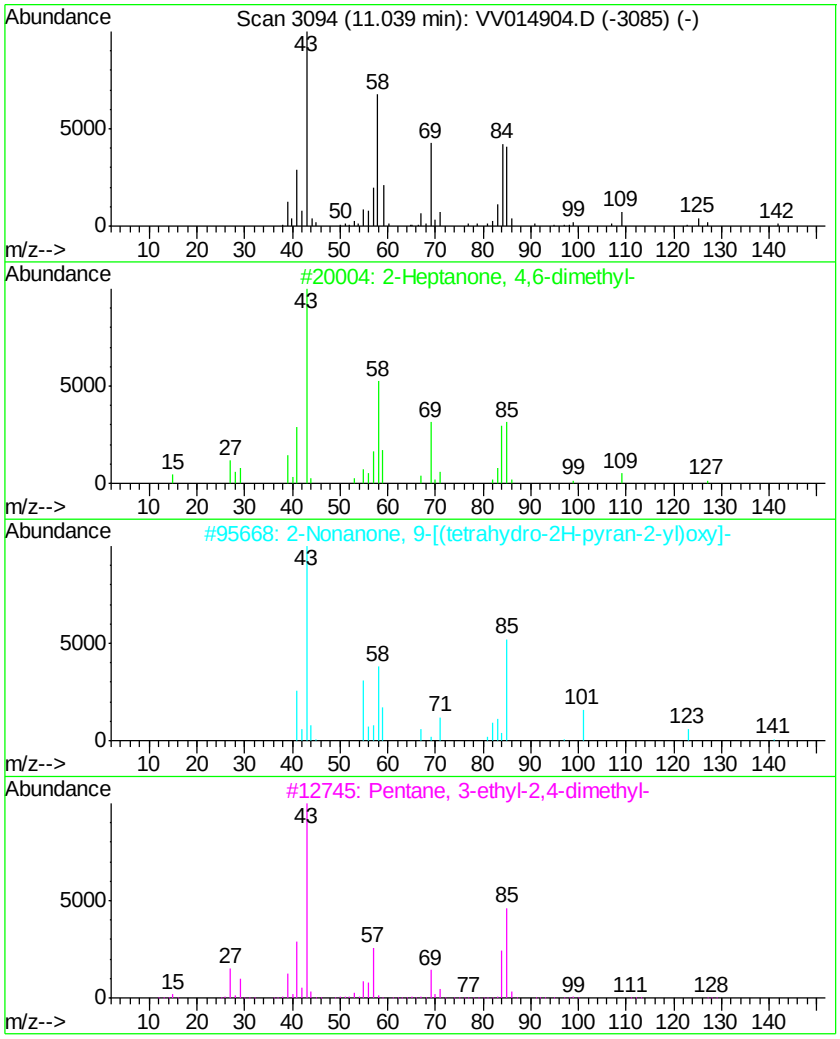
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

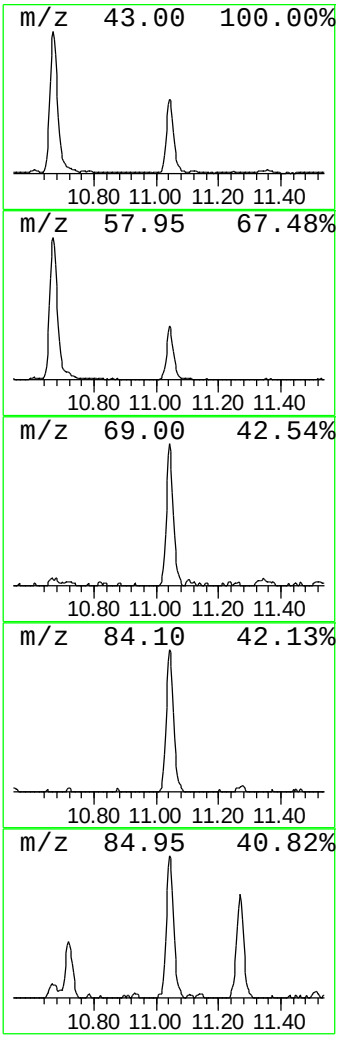
****

Peak Number 6 2-Heptanone, 4,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	5.42 ug/L	121544	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	90
2	2-Nonanone, 9-[(tetrahydro-2H-py...	242	C14H26O3	054699-41-1	42
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38
5	4-Methylpentan-2-yl propyl carbo...	188	C10H20O3	1000372-81-8	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

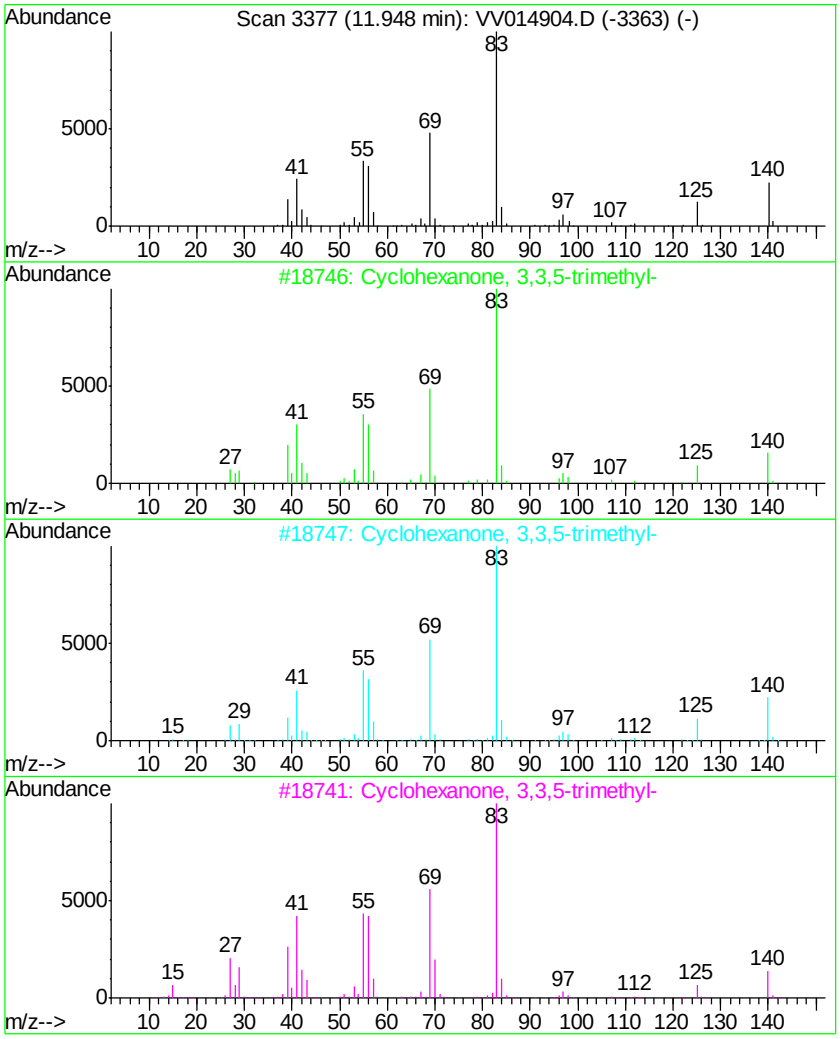
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

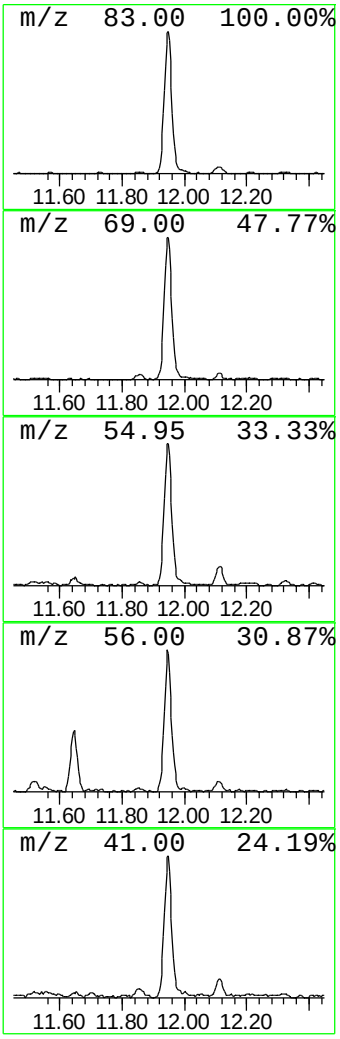
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexanone, 3,3,5-trimet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	13.07 ug/L	293286	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014904.D
Acq On : 13 Mar 2020 14:48
Operator : SY/MD
Sample : L1840-15DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET0DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.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
Butanal	3.74	3.9	ug/L	69947	1	5.64	894646	50.0
4-Heptanone, 3-me...	10.17	3.5	ug/L	78311	3	11.27	1121930	50.0
2-Propanol, 1-but...	10.38	5.2	ug/L	117445	3	11.27	1121930	50.0
unknown-01	10.67	18.6	ug/L	416737	3	11.27	1121930	50.0
2-Heptanone, 4,6-...	11.04	5.4	ug/L	121544	3	11.27	1121930	50.0
Cyclohexanone, 3,...	11.95	13.1	ug/L	293286	3	11.27	1121930	50.0