LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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	1.315	63	70	87	rVB	149759	161122	12.10%	1.291%
2	1.579	145	152	168	rVB	115638	141741	10.65%	1.136%
3	2.119	311	320	333	rVB	253482	360262	27.06%	2.886%
4	2.634	474	480	483	rBV3	2359	2805	0.21%	0.022%
5	2.695	496	499	502	rBV3	914	555	0.04%	0.004%
6	2.743	511	514	517	rBV2	521	408	0.03%	0.003%
7	2.820	536	538	541	rVB2	603	325	0.02%	0.003%
8	2.839	543	544	546	rVB2	440	144	0.01%	0.001%
9	2.852	546	548	550	rBV	383	162	0.01%	0.001%
10	2.871	550	554	557	rVB2	589	423	0.03%	0.003%
11	2.900	557	563	565	rBV4	617	562	0.04%	0.005%
12	2.913	565	567	571	rVB2	617	407	0.03%	0.003%
13	2.981	571	588	605	rBV3	20931	52095	3.91%	0.417%
14	3.286	681	683	684	rBV2	480	231	0.02%	0.002%
15	3.392	715	716	719	rBV2	379	186	0.01%	0.001%
16	3.437	727	730	733	rBV	327	179	0.01%	0.001%
17	3.486	742	745	750	rBV3	381	326	0.02%	0.003%
18	3.524	752	757	761	rBV2	607	585	0.04%	0.005%
19	3.543	761	763	770	rVB2	411	390	0.03%	0.003%
20	3.579	770	774	778	rVB3	434	356	0.03%	0.003%
21	3.627	785	789	791	rBV2	277	246	0.02%	0.002%
22	3.679	802	805	806	rBV	438	223	0.02%	0.002%
23	3.730	808	821	849	rBV2	111948	317013	23.81%	2.540%
24	4.379	1007	1023	1046	rBV	215404	523846	39.35%	4.197%
25	4.678	1112	1116	1118	rBV2	494	320	0.02%	0.003%
26	4.736	1132	1134	1139	rVB3	645	410	0.03%	0.003%
27	4.762	1140	1142	1144	rVB2	584	218	0.02%	0.002%
28	4.778	1144	1147	1149	rBV	438	225	0.02%	0.002%
29	4.801	1153	1154	1157	rBV2	390	235	0.02%	0.002%
30	4.846	1166	1168	1174	rVB2	610	347	0.03%	0.003%
31	4.904	1184	1186	1188	rVB2	359	137	0.01%	0.001%
32	4.913	1188	1189	1193	rBV2	461	221	0.02%	0.002%
33	4.942	1196	1198	1200	rVB2	538	217	0.02%	0.002%
34	4.958	1200	1203	1205	rBV	421	280	0.02%	0.002%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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	5.000	1214	1216	1219	rVB	679	302	0.02%	0.002%
36	5.074	1220	1239	1271	rBV2	524652	1331173	100.00%	10.665%
37	5.273	1298	1301	1309	rVB4	861	700	0.05%	0.006%
38	5.347	1320	1324	1326	rBV3	540	506	0.04%	0.004%
39	5.399	1338	1340	1344	rBV3	496	372	0.03%	0.003%
40	5.447	1353	1355	1357	rBV	464	166	0.01%	0.001%
41	5.457	1357	1358	1360	rBV	368	187	0.01%	0.001%
42	5.492	1366	1369	1372	rBV2	637	479	0.04%	0.004%
43	5.514	1374	1376	1379	rVV2	652	380	0.03%	0.003%
44	5.643	1401	1416	1437	rBV	457531	907429	68.17%	7.270%
45	6.029	1533	1536	1538	rBV3	1015	690	0.05%	0.006%
46	6.096	1543	1557	1585	rVV	287706	591608	44.44%	4.740%
47	6.315	1620	1625	1627	rBV4	1280	1280	0.10%	0.010%
48	6.450	1665	1667	1670	rBV2	842	554	0.04%	0.004%
49	6.572	1703	1705	1708	rBV2	475	323	0.02%	0.003%
50	6.611	1715	1717	1720	rBV3	398	260	0.02%	0.002%
51	6.707	1745	1747	1752	rVB2	590	393	0.03%	0.003%
52	6.855	1789	1793	1795	rBV3	298	236	0.02%	0.002%
53	6.894	1803	1805	1810	rBV2	254	198	0.01%	0.002%
54	6.920	1810	1813	1816	rBV2	393	311	0.02%	0.002%
55	6.955	1821	1824	1827	rBV2	288	171	0.01%	0.001%
56	7.010	1828	1841	1862	rBV	163477	292566	21.98%	2.344%
57	7.260	1911	1919	1931	rBV5	5947	12889	0.97%	0.103%
58	7.341	1931	1944	1960	rBV	644471	1111994	83.53%	8.909%
59	7.643	2027	2038	2063	rBV	111808	191276	14.37%	1.532%
60	7.916	2121	2123	2125	rVB	462	207	0.02%	0.002%
61	7.939	2125	2130	2132	rBV2	1074	989	0.07%	0.008%
62	8.035	2158	2160	2162	rBV2	455	247	0.02%	0.002%
63	8.116	2167	2185	2218	rBV2	412751	891786	66.99%	7.145%
64	8.450	2286	2289	2291	rBV2	825	537	0.04%	0.004%
65	8.556	2320	2322	2324	rBV	374	209	0.02%	0.002%
66	8.710	2368	2370	2372	rVB3	491	181	0.01%	0.001%
67	8.743	2375	2380	2383	rBV4	700	825	0.06%	0.007%
68	8.874	2407	2421	2444	rBV	714042	1163193	87.38%	9.319%
69	9.032	2469	2470	2474	rBV2	729	383	0.03%	0.003%
70	9.083	2484	2486	2488	rBV2	365	209	0.02%	0.002%
71	9.125	2494	2499	2500	rBV3	1653	1243	0.09%	0.010%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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	9.347	2561	2568	2569	rBV4	2191	1783	0.13%	0.014%
73	9.408	2584	2587	2590	rBV3	818	638	0.05%	0.005%
74	9.514	2618	2620	2623	rBV2	504	273	0.02%	0.002%
75	9.530	2623	2625	2628	rBV	326	201	0.02%	0.002%
76	9.569	2628	2637	2642	rBV3	6617	10030	0.75%	0.080%
77	9.624	2650	2654	2662	rVB5	1518	1917	0.14%	0.015%
78	9.675	2668	2670	2673	rBV3	312	203	0.02%	0.002%
79	9.714	2677	2682	2687	rVV6	820	976	0.07%	0.008%
80	9.952	2749	2756	2761	rBV5	1877	2599	0.20%	0.021%
81	10.045	2779	2785	2791	rBV7	1948	3184	0.24%	0.026%
82	10.116	2804	2807	2810	rVB3	649	385	0.03%	0.003%
83	10.238	2832	2845	2861	rBV	434596	681786	51.22%	5.462%
84	10.366	2872	2885	2905	rBV2	64588	143176	10.76%	1.147%
85	10.659	2969	2976	2990	rBV2	19408	37652	2.83%	0.302%
86	10.935	3053	3062	3076	rVB	32174	48859	3.67%	0.391%
87	11.270	3154	3166	3180	rBV	748508	1131075	84.97%	9.062%
88	11.517	3236	3243	3249	rBV	25339	35522	2.67%	0.285%
89	11.646	3271	3283	3301	rVB	701041	1095588	82.30%	8.778%
90	11.726	3301	3308	3317	rBV2	13167	22245	1.67%	0.178%
91	11.945	3362	3376	3397	rBV	229164	426204	32.02%	3.415%
92	12.485	3534	3544	3557	rVB2	104475	161017	12.10%	1.290%
93	12.572	3563	3571	3586	rVB2	75630	117160	8.80%	0.939%
94	12.807	3635	3644	3654	rBV6	19374	31945	2.40%	0.256%
95	13.067	3718	3725	3736	rBV3	7836	11304	0.85%	0.091%
96	13.437	3831	3840	3859	rVB	223459	361205	27.13%	2.894%
97	14.103	4037	4047	4058	rBV	6139	13462	1.01%	0.108%
98	14.218	4075	4083	4100	rBV3	17843	29215	2.19%	0.234%
99	14.402	4133	4140	4150	rBV3	4880	8663	0.65%	0.069%
100	14.842	4269	4277	4288	rVB3	18151	29682	2.23%	0.238%

Sum of corrected areas: 12481603

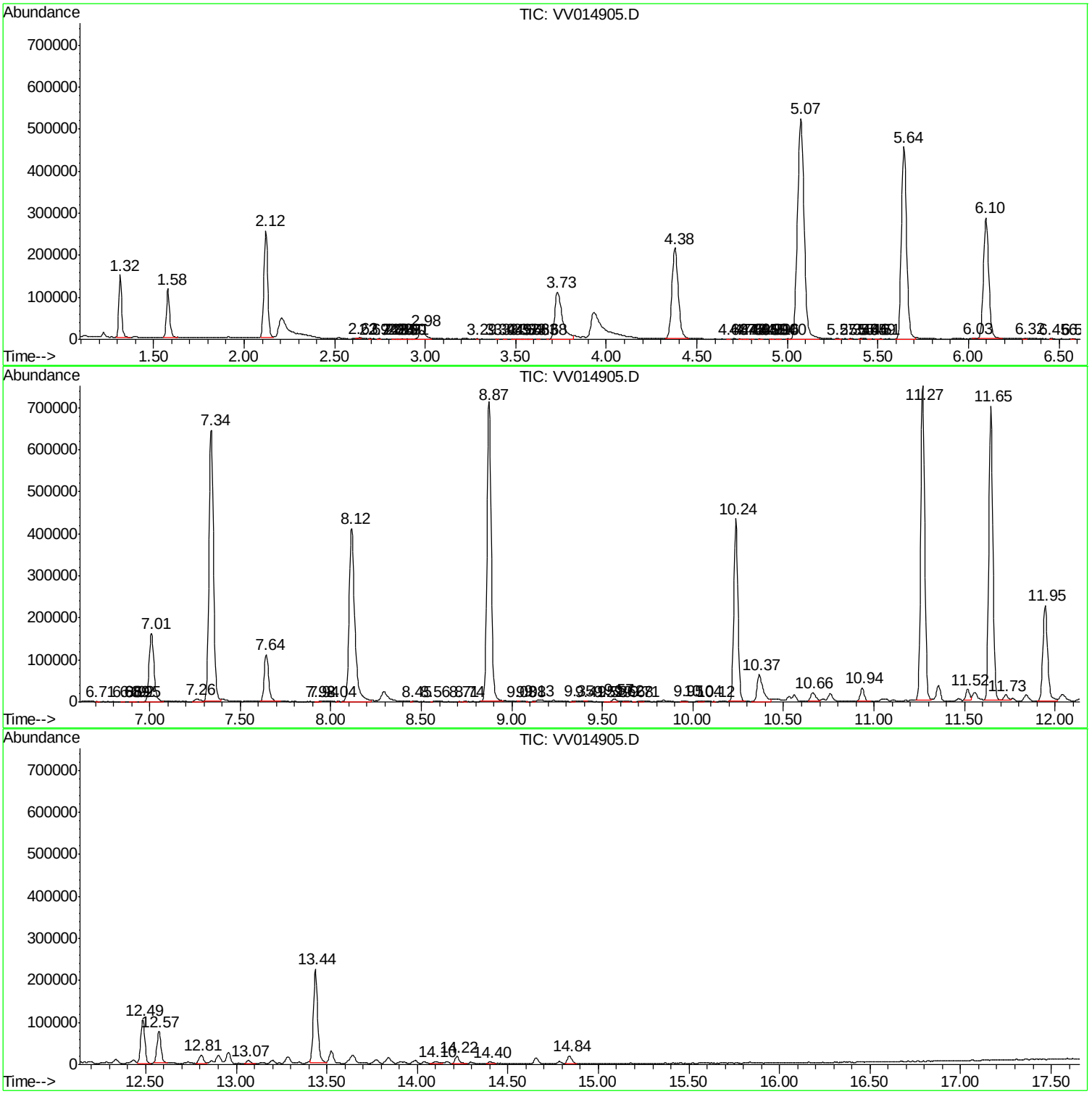
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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 : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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

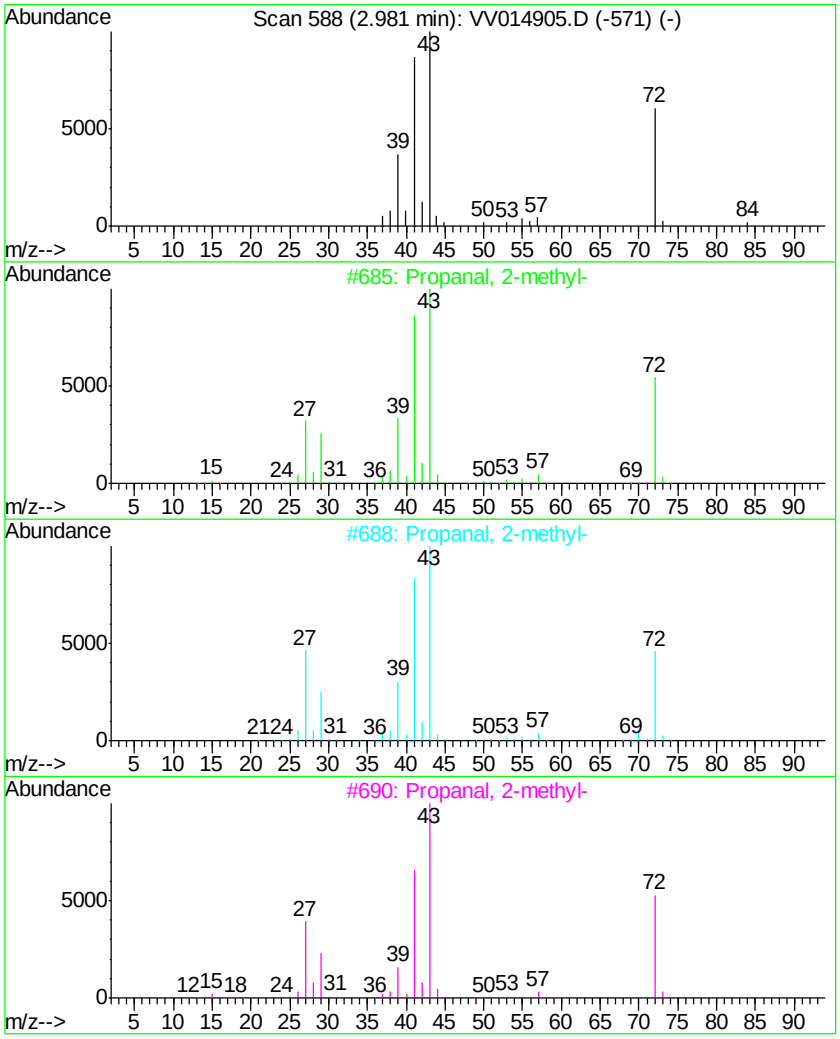
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

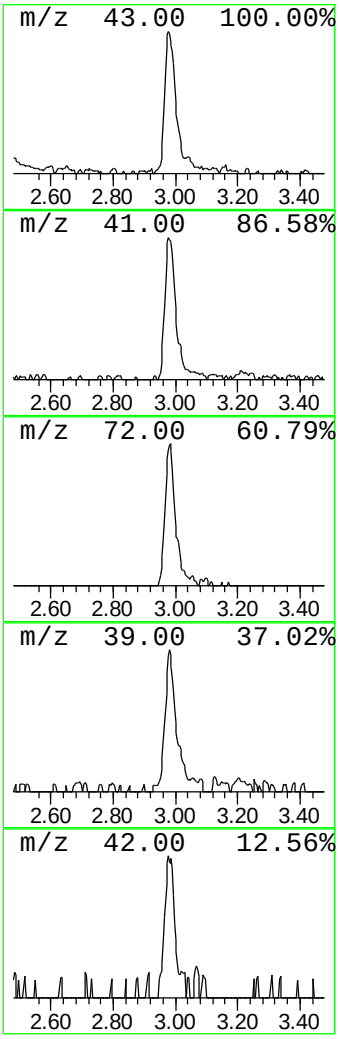
****

Peak Number 1 Propanal, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	2.87 ug/L	52095	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
4	Butanal	72	C4H8O	000123-72-8	50
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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

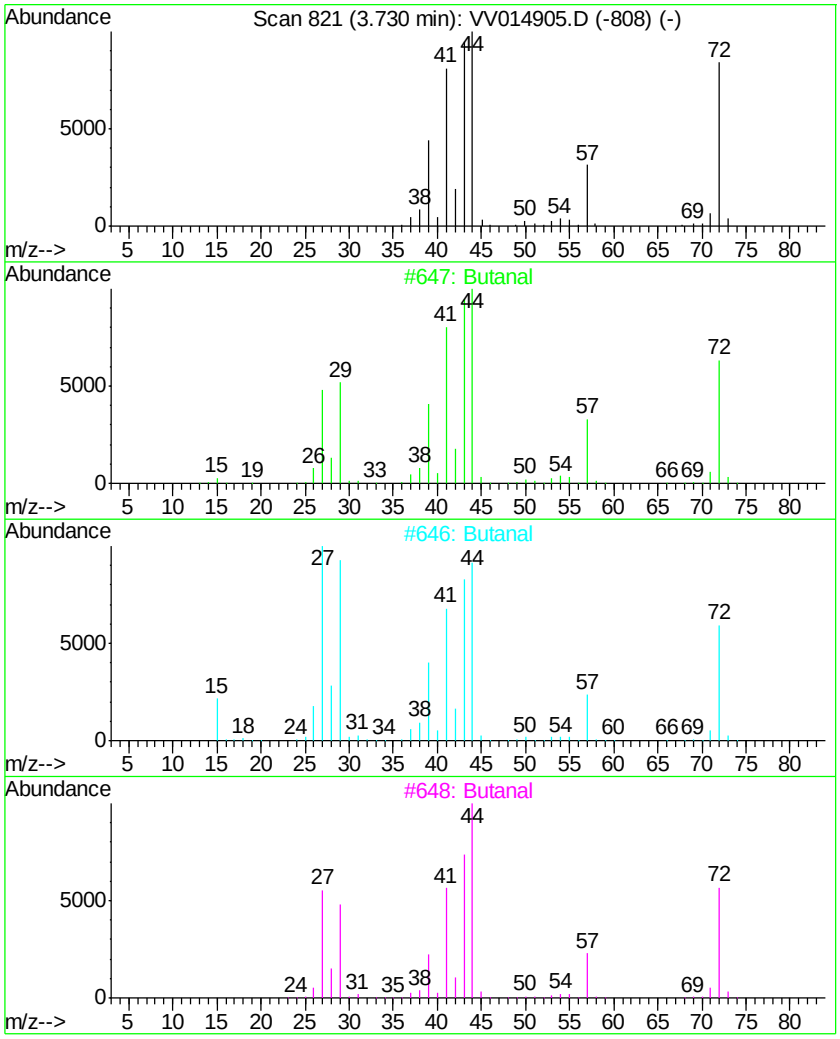
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

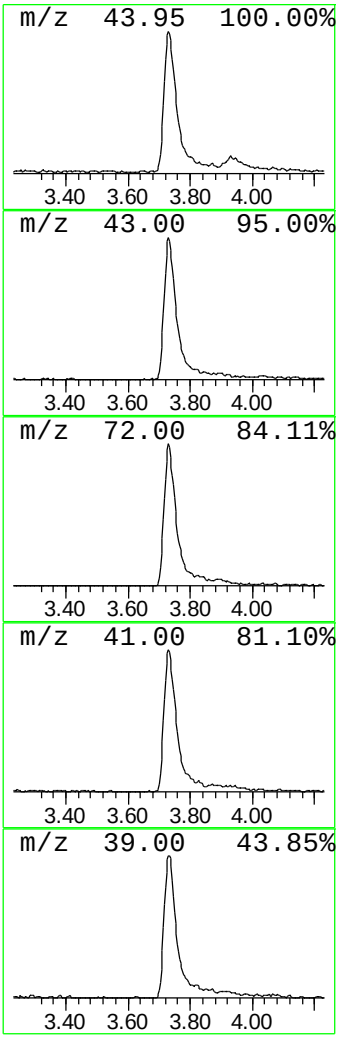
****

Peak Number 2 Butanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	17.47 ug/L	317013	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	83
4	Butanal	72	C4H8O	000123-72-8	72
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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

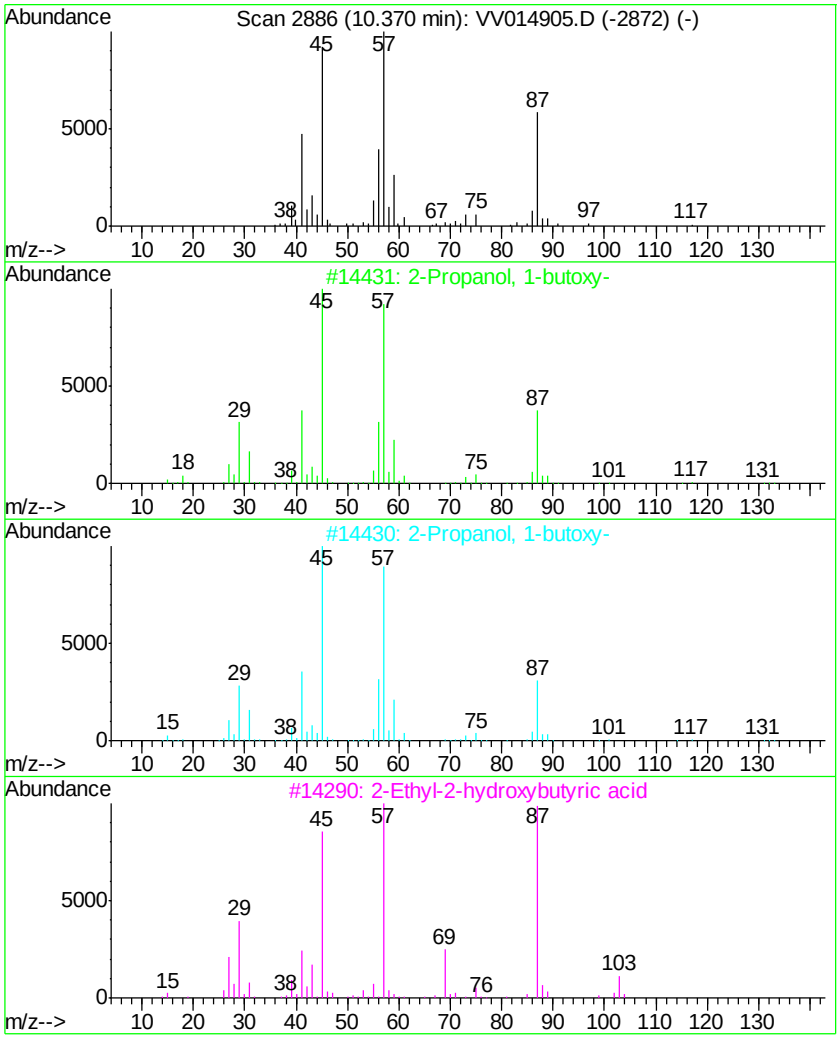
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

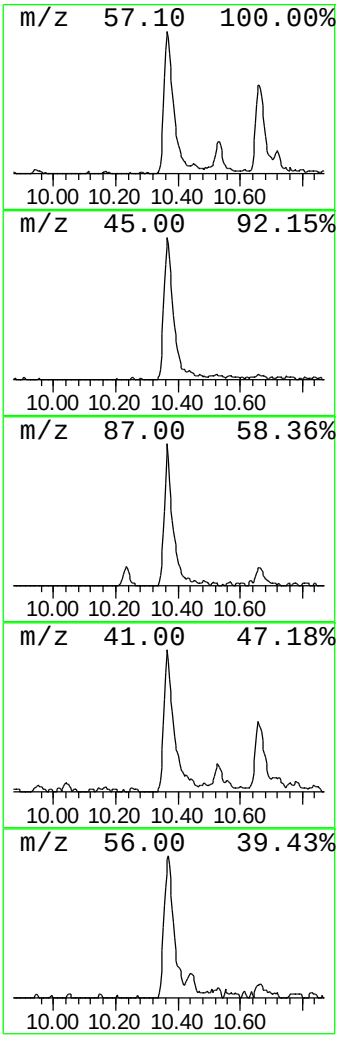
****

Peak Number 4 2-Propanol, 1-butoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	6.33 ug/L	143176	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	78
3	2-Ethyl-2-hydroxybutyric acid	132	C6H12O3	003639-21-2	53
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	42
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

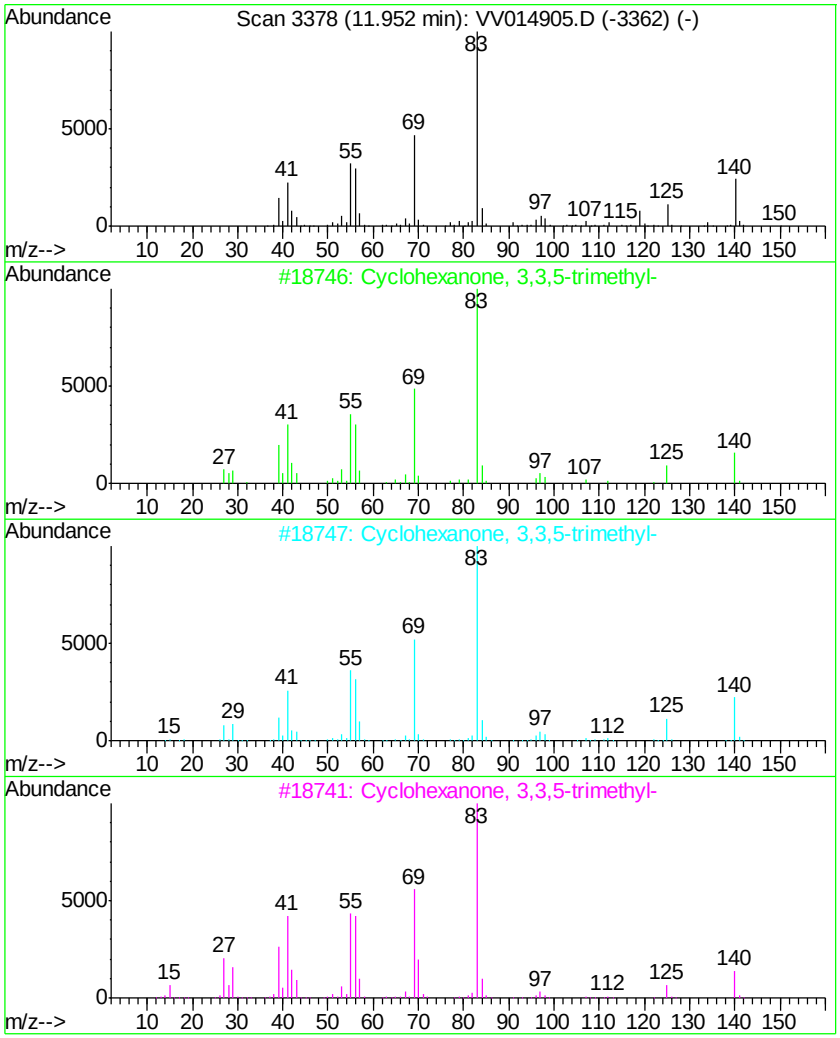
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

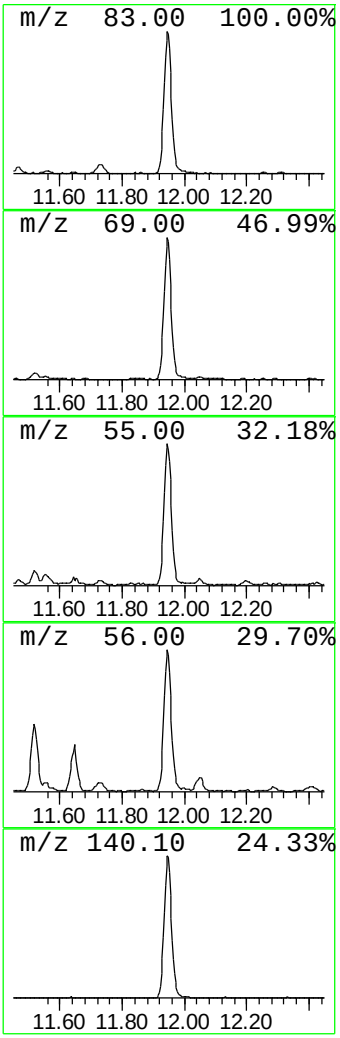
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexanone, 3,3,5-trimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	18.84 ug/L	426204	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	95
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	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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

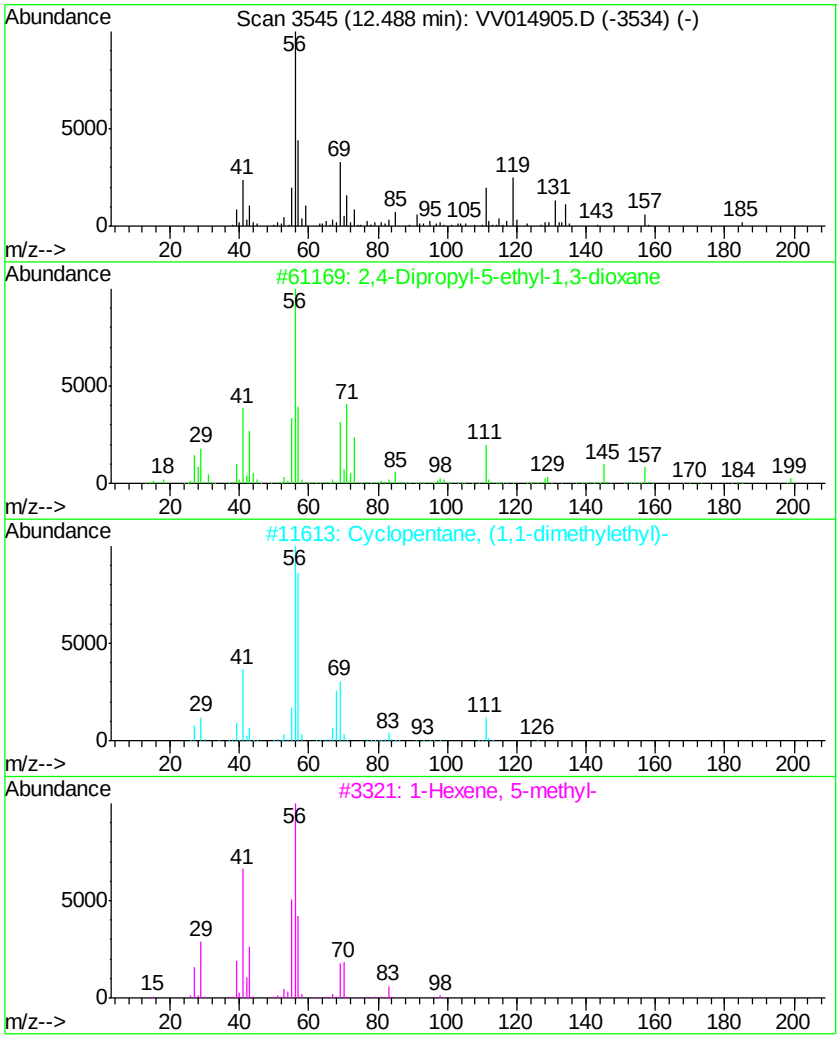
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

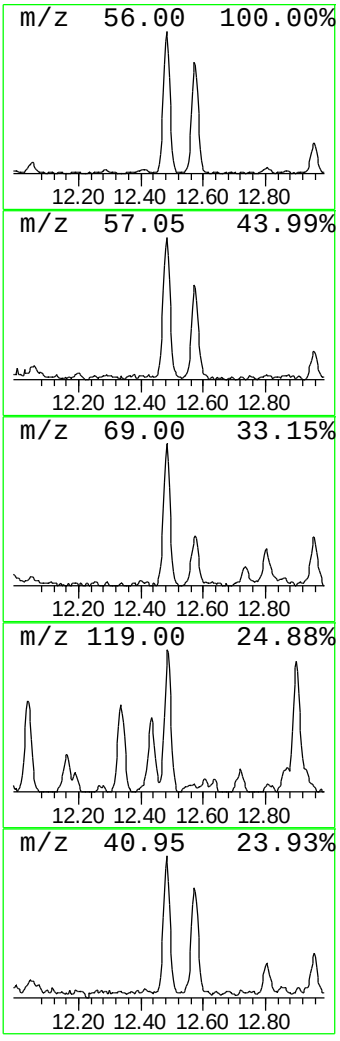
****

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	7.12 ug/L	161017	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	37
2	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	37
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	35
4	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	35
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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

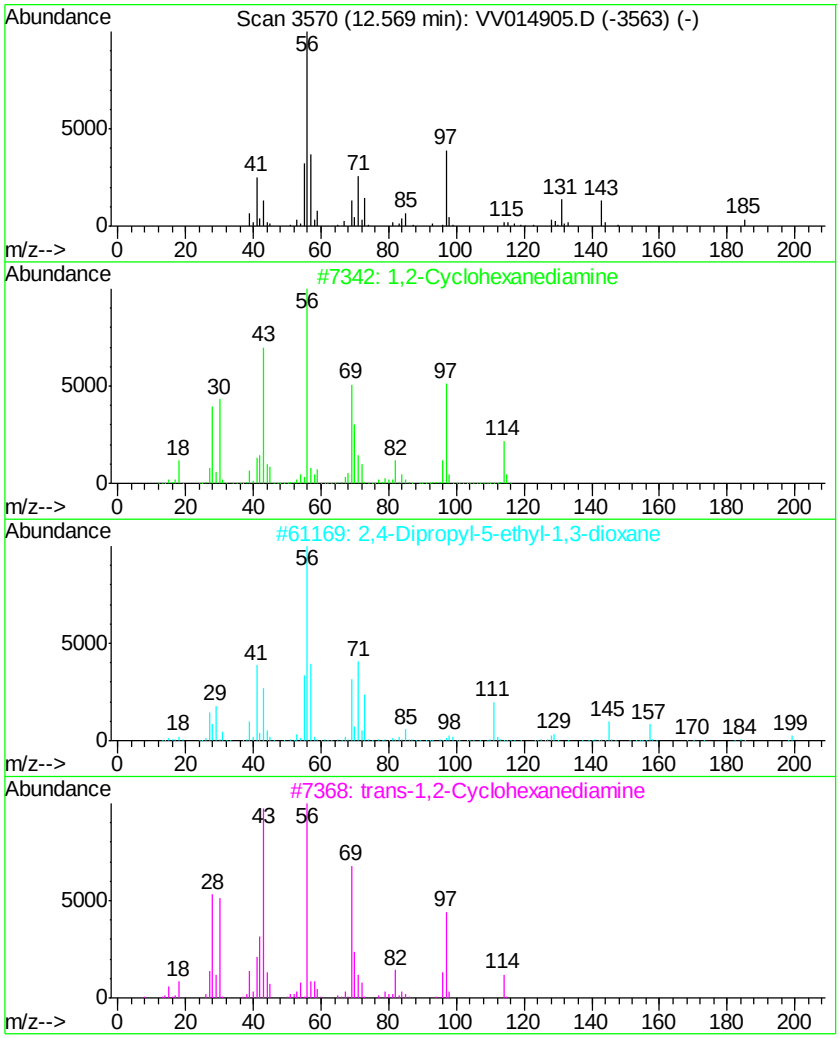
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

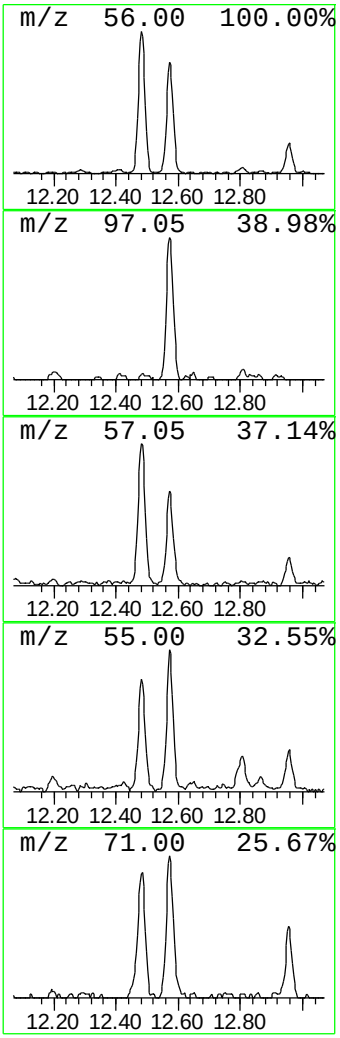
****

Peak Number 7 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	5.18 ug/L	117160	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	42
2	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	40
3	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	33
4	1-Hexanol, 2-(hydroxymethyl)-	132	C7H16O2	1000326-00-5	33
5	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

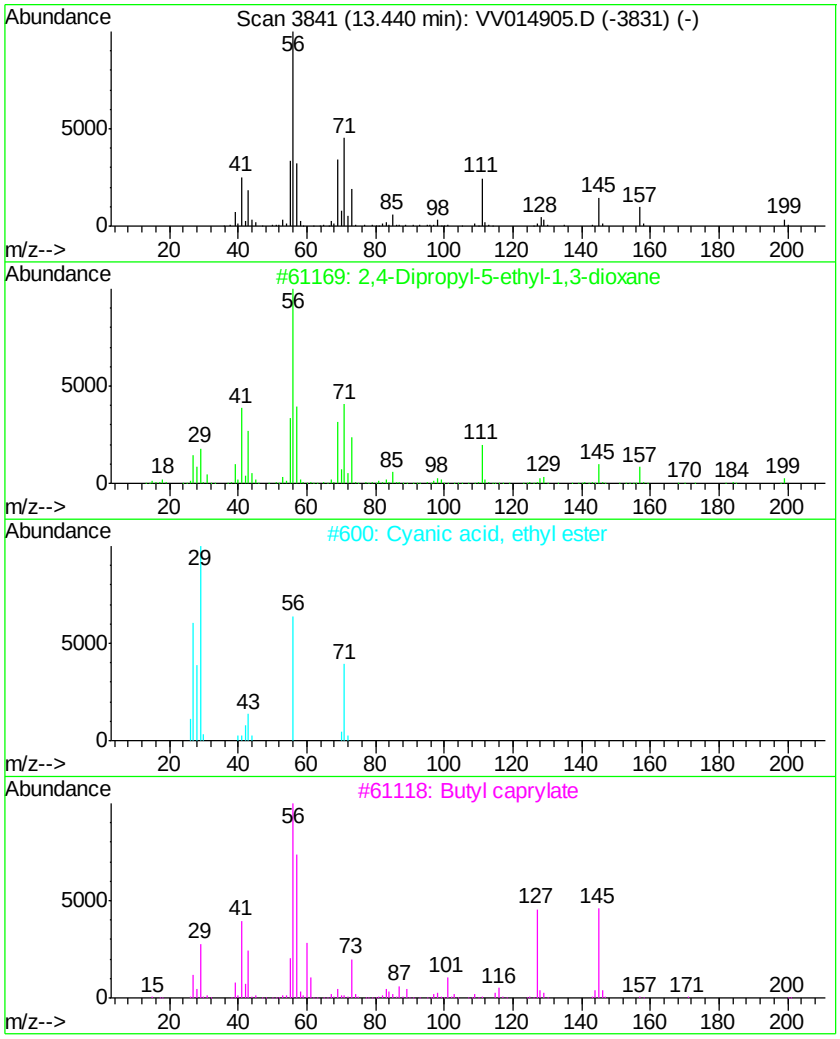
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

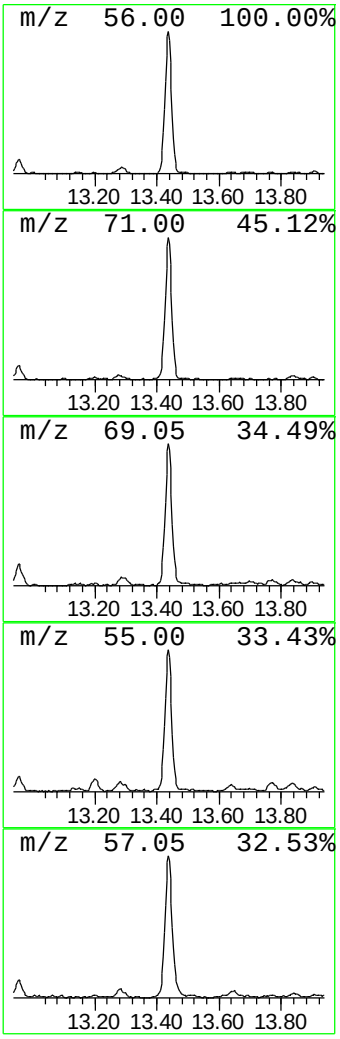
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	15.97 ug/L	361205	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	90
2	Cyanic acid, ethyl ester	71	C3H5NO	000627-48-5	47
3	Butyl caprylate	200	C12H24O2	000589-75-3	37
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	17
5	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031320\
Data File : VV014905.D
Acq On : 13 Mar 2020 15:12
Operator : SY/MD
Sample : L1840-17DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2DL

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
Propanal, 2-methyl-	2.98	2.9	ug/L	52095	1	5.64	907429	50.0
Butanal	3.73	17.5	ug/L	317013	1	5.64	907429	50.0
2-Propanol, 1-but...	10.37	6.3	ug/L	143176	3	11.27	1131080	50.0
Cyclohexanone, 3,...	11.95	18.8	ug/L	426204	3	11.27	1131080	50.0
unknown-01	12.49	7.1	ug/L	161017	3	11.27	1131080	50.0
unknown-02	12.57	5.2	ug/L	117160	3	11.27	1131080	50.0
2,4-Dipropyl-5-et...	13.44	16.0	ug/L	361205	3	11.27	1131080	50.0