LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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	1.116	4	8	21	rVB3	12073	12127	0.23%	0.058%
2	1.219	35	40	58	rVB	107385	109670	2.05%	0.525%
3	1.315	63	70	88	rVB	141745	153155	2.87%	0.733%
4	1.396	88	95	108	rBV	28791	46692	0.87%	0.223%
5	1.479	114	121	138	rVB	140863	159777	2.99%	0.765%
6	1.579	144	152	168	rVB	117885	144147	2.70%	0.690%
7	2.119	310	320	331	rBV	250775	363559	6.81%	1.740%
8	2.232	337	355	373	rBV4	41010	133977	2.51%	0.641%
9	2.454	405	424	502	rBV3	173413	1201870	22.52%	5.752%
10	2.984	579	589	602	rVB3	6178	13236	0.25%	0.063%
11	3.540	747	762	777	rBV6	4458	10752	0.20%	0.051%
12	3.637	787	792	796	rBV3	1022	862	0.02%	0.004%
13	3.730	807	821	867	rBV2	121187	377308	7.07%	1.806%
14	3.929	871	883	905	rBV2	68652	257591	4.83%	1.233%
15	4.380	1004	1023	1049	rBV	210655	526168	9.86%	2.518%
16	4.711	1123	1126	1129	rVB3	973	584	0.01%	0.003%
17	5.074	1217	1239	1263	rBV2	523961	1316845	24.67%	6.302%
18	5.270	1286	1300	1342	rBV4	51396	186091	3.49%	0.891%
19	5.489	1364	1368	1371	rBV4	753	633	0.01%	0.003%
20	5.502	1371	1372	1379	rVB5	686	645	0.01%	0.003%
21	5.566	1379	1392	1403	rBV2	6019	15783	0.30%	0.076%
22	5.643	1403	1416	1442	rVB	458017	891592	16.71%	4.267%
23	5.929	1498	1505	1506	rBV4	2019	2069	0.04%	0.010%
24	6.096	1542	1557	1583	rBV	291963	604064	11.32%	2.891%
25	6.309	1620	1623	1625	rBV2	1314	901	0.02%	0.004%
26	6.370	1639	1642	1644	rBV4	1086	650	0.01%	0.003%
27	6.608	1656	1716	1721	rBV3	73916	531510	9.96%	2.544%
28	6.949	1818	1822	1824	rBV3	739	645	0.01%	0.003%
29	7.010	1828	1841	1866	rVB2	160955	297499	5.57%	1.424%
30	7.260	1906	1919	1930	rBV3	11310	23207	0.43%	0.111%
31	7.338	1931	1943	1963	rVV	646717	1107026	20.74%	5.298%
32	7.495	1990	1992	1994	rBV3	958	608	0.01%	0.003%
33	7.643	2024	2038	2054	rBV	125971	222915	4.18%	1.067%
34	7.791	2080	2084	2085	rBV2	1052	605	0.01%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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	7.865	2100	2107	2108	rBV5	770	822	0.02%	0.004%
36	7.961	2126	2137	2148	rBV9	5071	10979	0.21%	0.053%
37	8.112	2168	2184	2214	rBV3	541806	1130676	21.18%	5.411%
38	8.334	2246	2253	2265	rVB2	8706	17236	0.32%	0.082%
39	8.559	2318	2323	2326	rBV7	937	882	0.02%	0.004%
40	8.604	2334	2337	2348	rVB7	1455	2270	0.04%	0.011%
41	8.727	2366	2375	2379	rBV6	4725	7219	0.14%	0.035%
42	8.875	2404	2421	2444	rBV	693072	1196805	22.42%	5.728%
43	9.055	2468	2477	2495	rBV	34102	67808	1.27%	0.325%
44	9.170	2499	2513	2528	rVB4	50336	102621	1.92%	0.491%
45	9.270	2538	2544	2552	rBV4	4333	5996	0.11%	0.029%
46	9.402	2579	2585	2586	rBV4	1596	1351	0.03%	0.006%
47	9.563	2628	2635	2637	rBV7	4785	5043	0.09%	0.024%
48	9.611	2640	2650	2664	rVB3	54512	101334	1.90%	0.485%
49	9.698	2671	2677	2683	rBV9	1085	1565	0.03%	0.007%
50	9.749	2690	2693	2695	rBV3	1072	732	0.01%	0.004%
51	9.852	2718	2725	2728	rBV5	2648	3503	0.07%	0.017%
52	9.971	2751	2762	2774	rVB5	9220	18982	0.36%	0.091%
53	10.029	2774	2780	2781	rBV4	1183	1054	0.02%	0.005%
54	10.119	2799	2808	2813	rBV6	6277	9866	0.18%	0.047%
55	10.167	2813	2823	2834	rVV	196014	300842	5.64%	1.440%
56	10.238	2834	2845	2859	rVB	447071	701026	13.13%	3.355%
57	10.379	2873	2889	2900	rBV8	10419	26323	0.49%	0.126%
58	10.450	2902	2911	2927	rVB3	31629	55788	1.05%	0.267%
59	10.534	2928	2937	2942	rBV5	5341	8871	0.17%	0.042%
60	10.665	2968	2978	2987	rBV9	7465	16202	0.30%	0.078%
61	10.829	3026	3029	3034	rVB5	950	803	0.02%	0.004%
62	10.884	3034	3046	3055	rBV8	6092	11123	0.21%	0.053%
63	10.936	3057	3062	3069	rVB5	3955	4785	0.09%	0.023%
64	11.013	3080	3086	3087	rBV4	1440	1567	0.03%	0.007%
65	11.042	3087	3095	3108	rVB4	13774	22833	0.43%	0.109%
66	11.116	3109	3118	3127	rBV8	8514	14232	0.27%	0.068%
67	11.183	3136	3139	3140	rBV2	1374	729	0.01%	0.003%
68	11.212	3140	3148	3154	rVV4	7537	13009	0.24%	0.062%
69	11.267	3155	3165	3179	rVV	721756	1117225	20.93%	5.347%
70	11.334	3179	3186	3203	rVB5	41734	83947	1.57%	0.402%
71	11.521	3234	3244	3251	rBV2	42336	70339	1.32%	0.337%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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	11.643	3271	3282	3299	rBV	687613	1091791	20.46%	5.225%
73	11.730	3300	3309	3327	rVB	99685	170788	3.20%	0.817%
74	11.852	3339	3347	3360	rVB6	19067	35470	0.66%	0.170%
75	11.942	3360	3375	3417	rBV	3322622	5337271	100.00%	25.544%
76	12.109	3417	3427	3438	rVV4	25894	41687	0.78%	0.200%
77	12.405	3512	3519	3529	rBV9	6428	11150	0.21%	0.053%
78	12.482	3536	3543	3557	rVB3	19022	32238	0.60%	0.154%
79	12.572	3561	3571	3581	rVB2	15641	27247	0.51%	0.130%
80	12.739	3620	3623	3625	rBV3	1325	889	0.02%	0.004%
81	12.800	3635	3642	3652	rBV6	11369	17439	0.33%	0.083%
82	12.855	3655	3659	3667	rVB9	3529	4675	0.09%	0.022%
83	12.919	3668	3679	3696	rVB2	61155	105490	1.98%	0.505%
84	13.144	3743	3749	3754	rBV6	5342	6751	0.13%	0.032%
85	13.183	3757	3761	3771	rVB6	6692	8956	0.17%	0.043%
86	13.276	3784	3790	3801	rVB10	5581	10250	0.19%	0.049%
87	13.344	3804	3811	3818	rVB5	6260	9261	0.17%	0.044%
88	13.437	3825	3840	3856	rBV3	16402	34682	0.65%	0.166%
89	13.527	3861	3868	3875	rBV3	6059	7993	0.15%	0.038%
90	13.588	3883	3887	3891	rBV5	1003	938	0.02%	0.004%
91	13.630	3896	3900	3901	rBV3	2229	1583	0.03%	0.008%
92	13.768	3934	3943	3957	rBV3	33381	57918	1.09%	0.277%
93	13.984	4008	4010	4017	rVB6	1773	1730	0.03%	0.008%
94	14.238	4075	4089	4100	rBV6	6596	13713	0.26%	0.066%
95	14.296	4100	4107	4111	rBV8	2449	3318	0.06%	0.016%
96	14.363	4125	4128	4132	rVB2	1222	962	0.02%	0.005%
97	14.402	4132	4140	4144	rBV4	1926	2369	0.04%	0.011%
98	14.501	4166	4171	4174	rBV5	2446	2223	0.04%	0.011%
99	14.617	4204	4207	4211	rBV4	867	709	0.01%	0.003%
100	14.836	4265	4275	4276	rBV7	3409	3454	0.06%	0.017%

Sum of corrected areas: 20894096

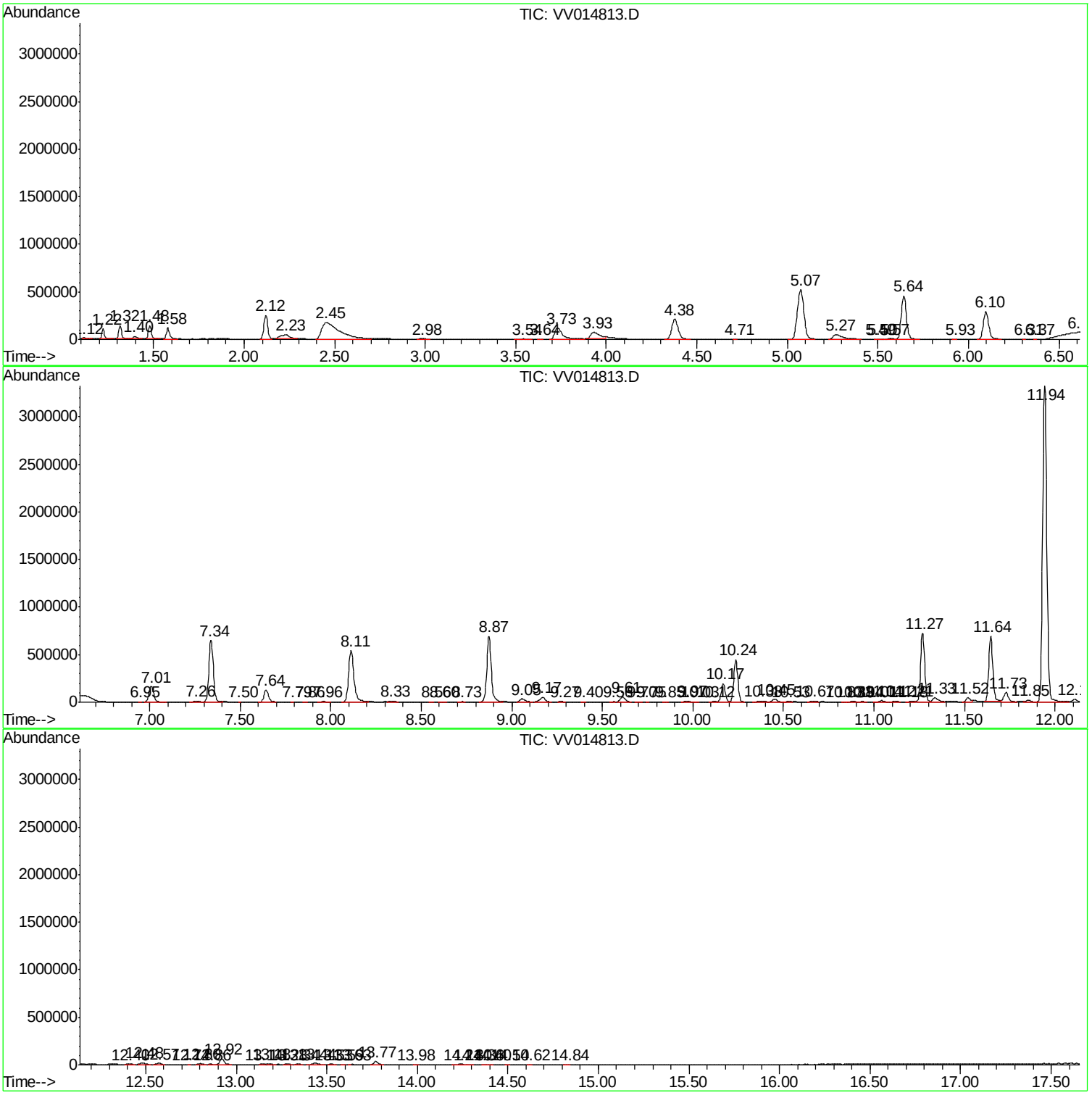
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

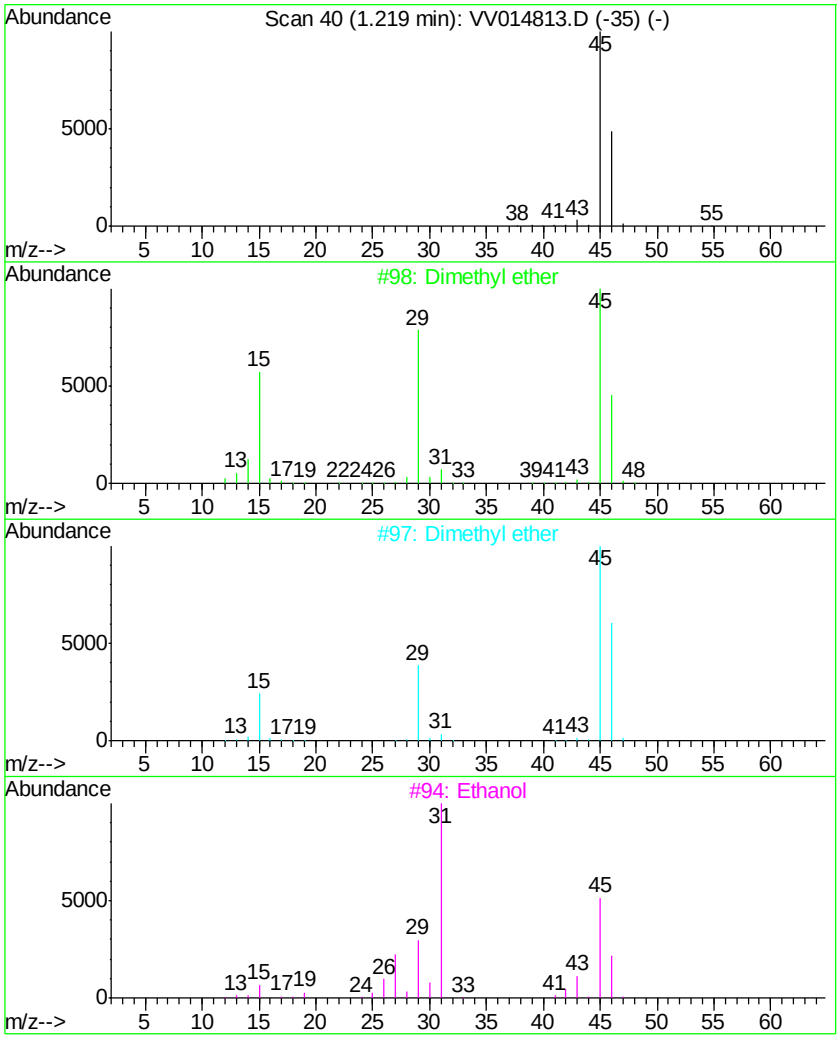
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

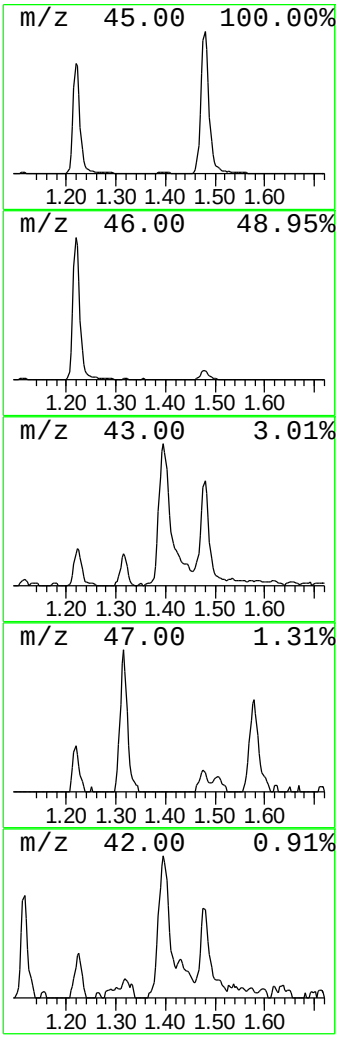
****

Peak Number 1 Dimethyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	6.15 ug/L	109670	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	83
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Ethanol	46	C2H6O	000064-17-5	7
4	Ethanol	46	C2H6O	000064-17-5	7
5	Formic acid	46	CH2O2	000064-18-6	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

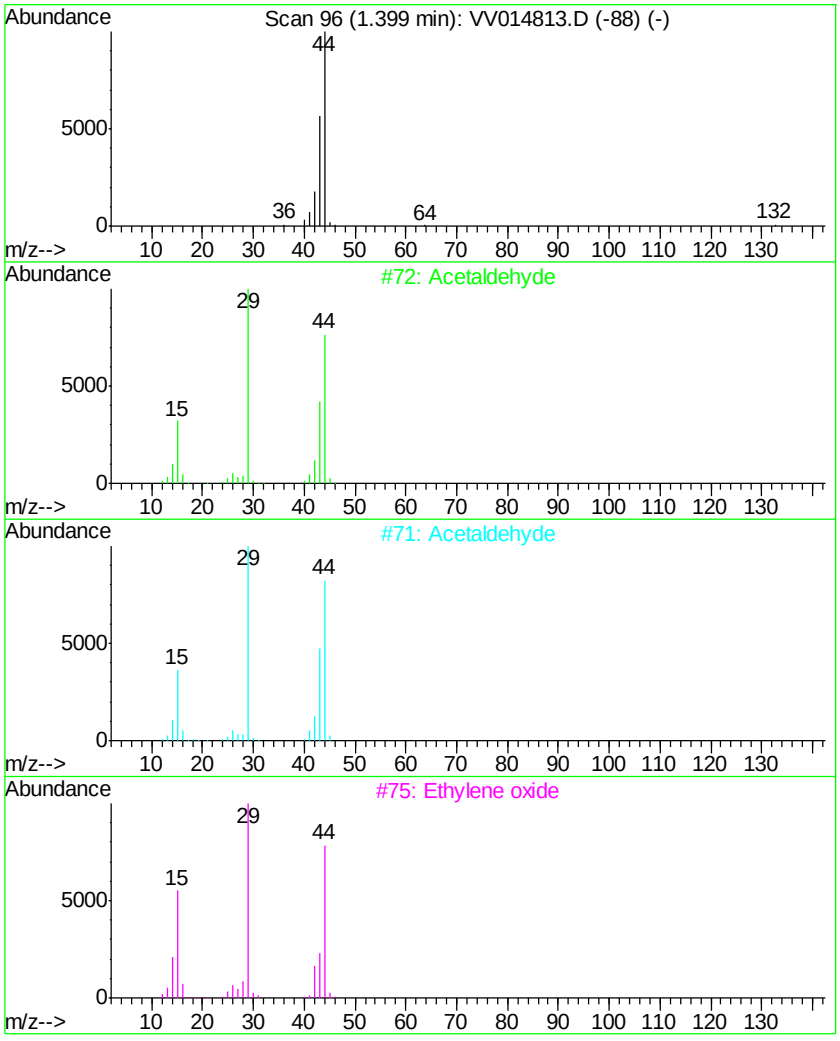
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

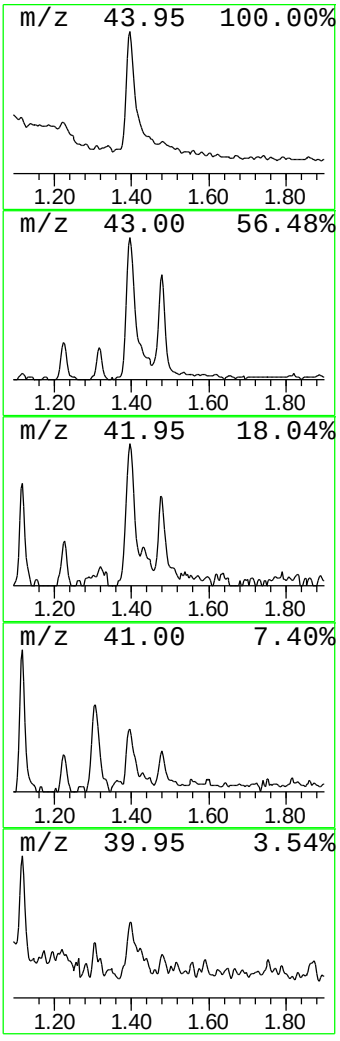
****

Peak Number 2 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	2.62 ug/L	46692	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Carbon dioxide	44	CO2	000124-38-9	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

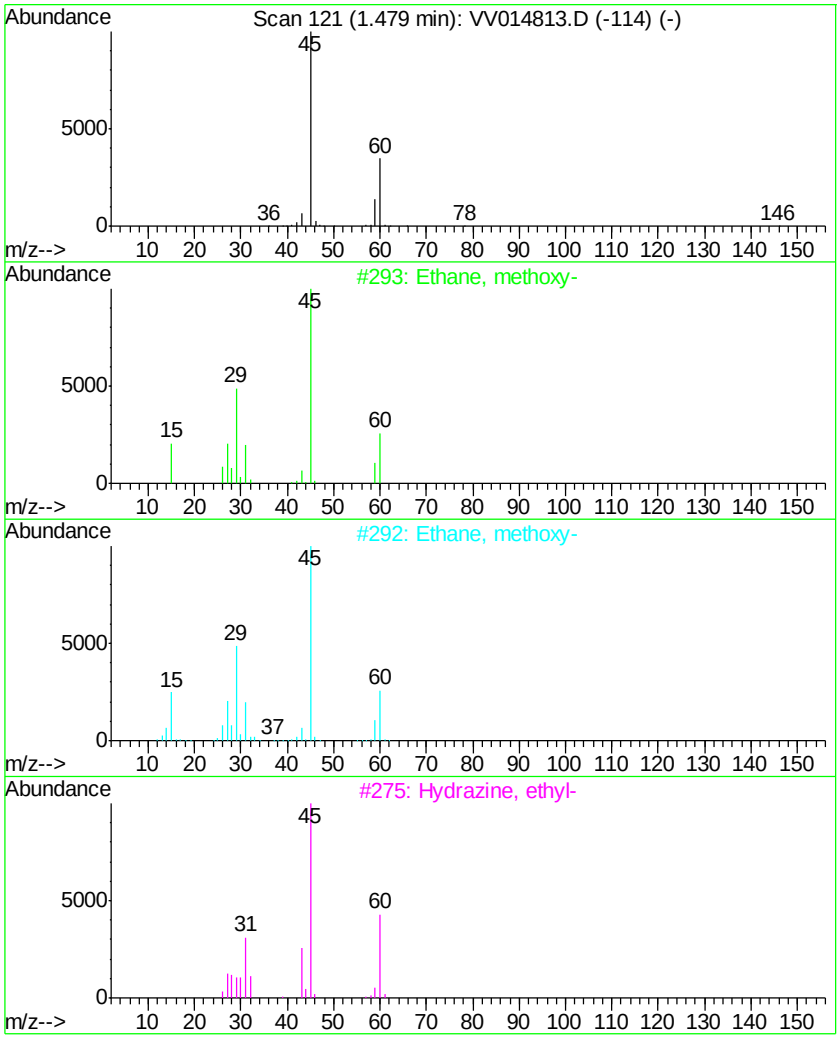
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

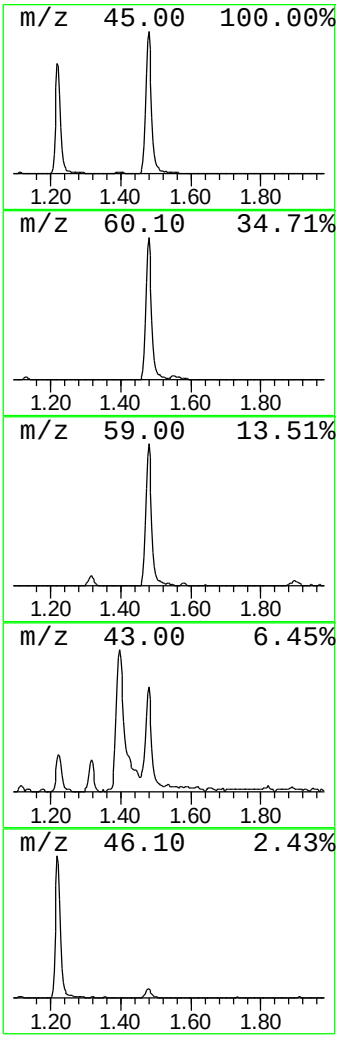
****

Peak Number 3 Ethane, methoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	8.96 ug/L	159777	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, methoxy-	60	C3H8O	000540-67-0	78
2	Ethane, methoxy-	60	C3H8O	000540-67-0	78
3	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
5	Urea	60	CH4N2O	000057-13-6	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

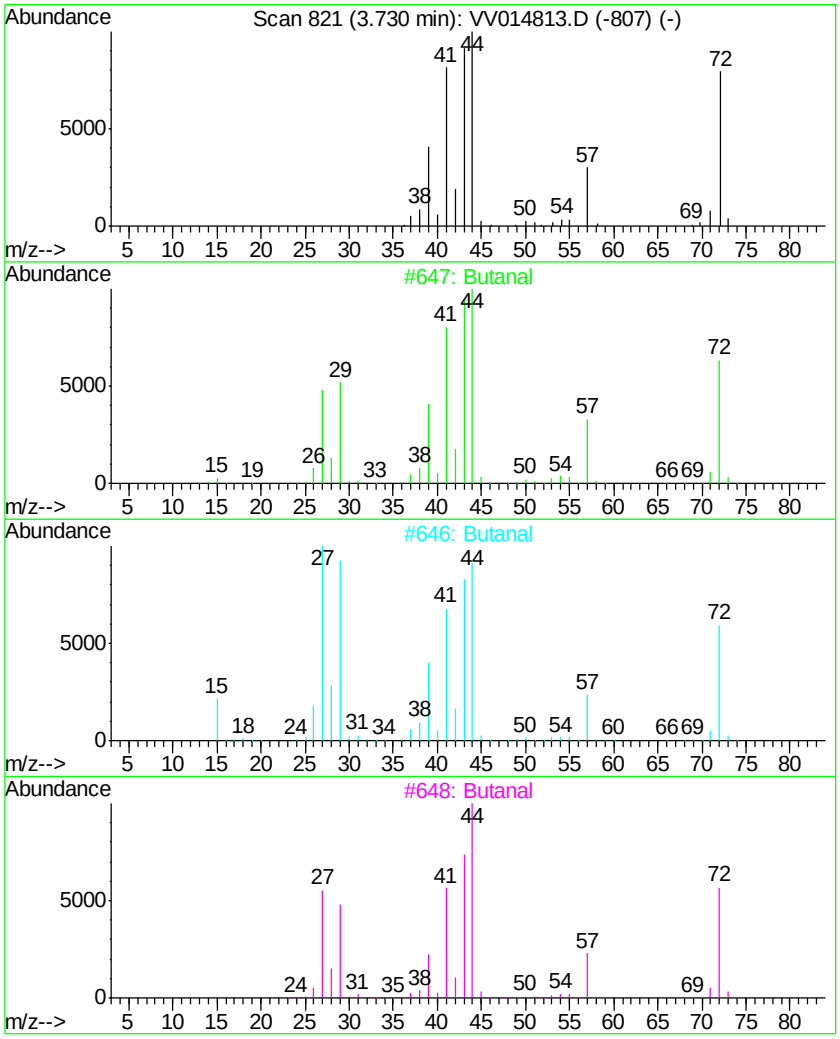
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

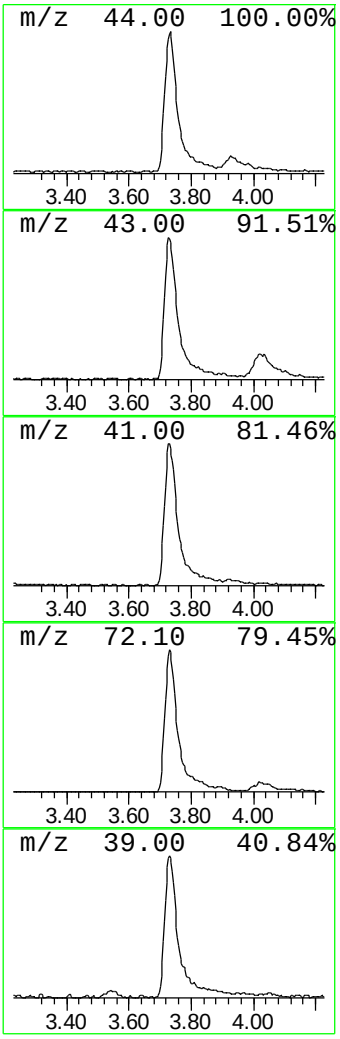
****

Peak Number 4 Butanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	21.16 ug/L	377308	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	Ethene, ethoxy-	72	C4H8O	000109-92-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

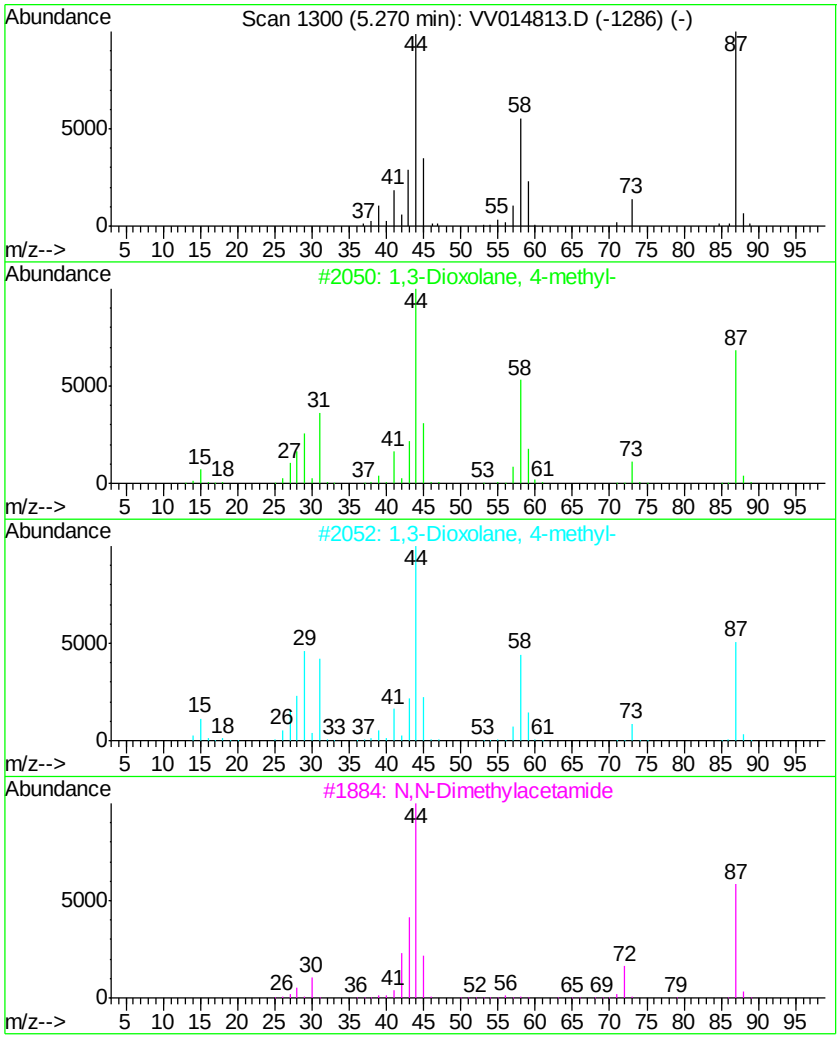
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

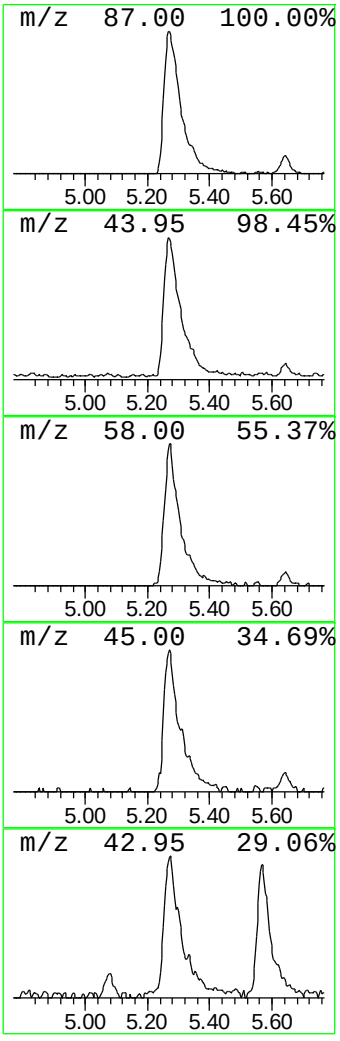
****

Peak Number 5 1,3-Dioxolane, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	10.44 ug/L	186091	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 4-methyl-	88	C4H8O2	001072-47-5	91
2	1,3-Dioxolane, 4-methyl-	88	C4H8O2	001072-47-5	64
3	N,N-Dimethylacetamide	87	C4H9NO	000127-19-5	52
4	N,N-Dimethylacetamide	87	C4H9NO	000127-19-5	42
5	Diazene, butyl[1-(2,2-dimethylhy...	172	C8H20N4	061940-95-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

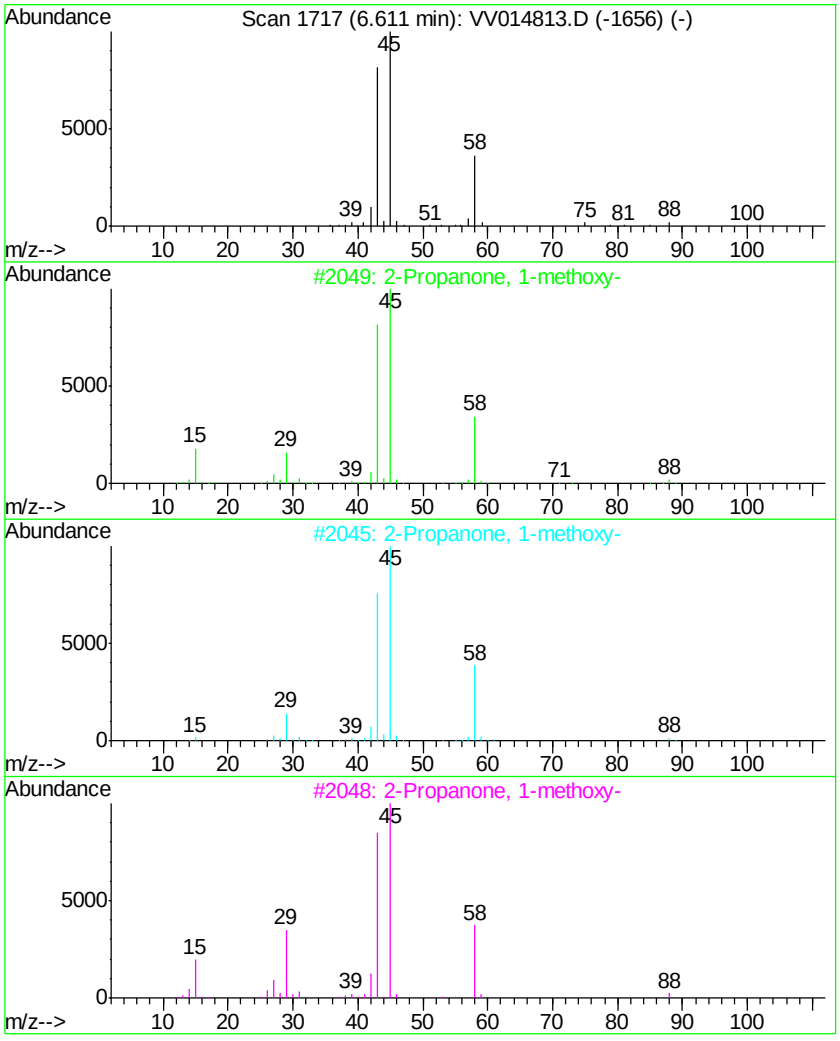
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

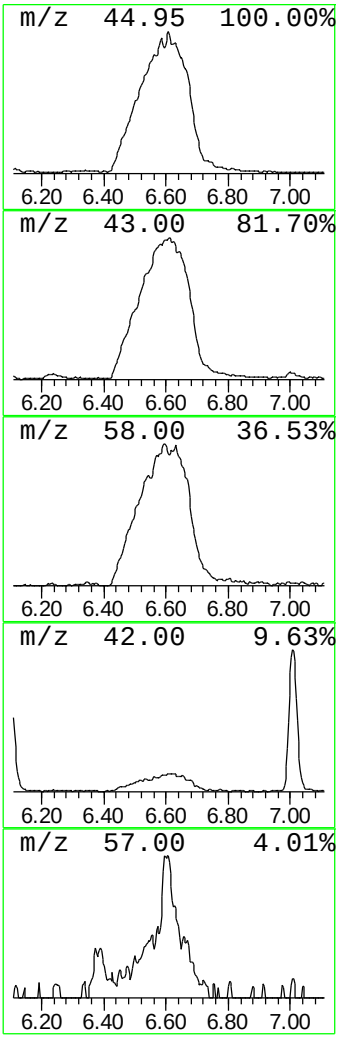
****

Peak Number 6 2-Propanone, 1-methoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	29.81 ug/L	531510	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	90
2	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	90
3	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	86
4	2-Hexanol, 3-methyl-	116	C7H16O	002313-65-7	42
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	42





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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

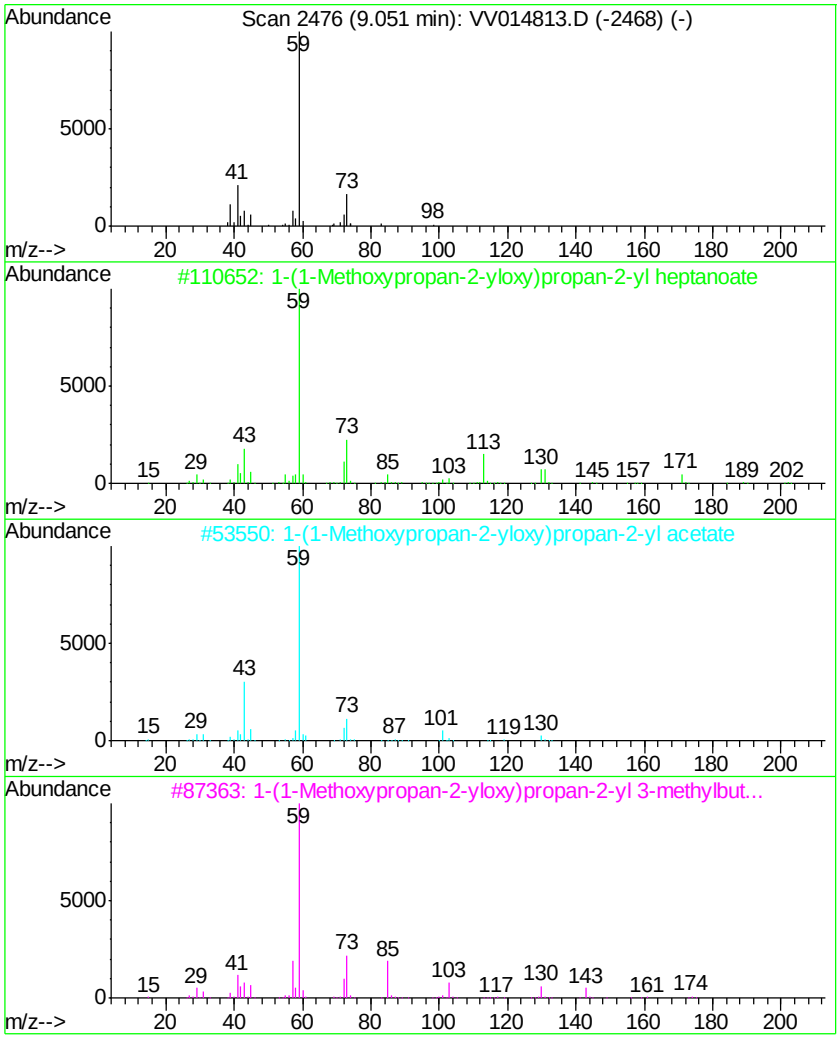
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

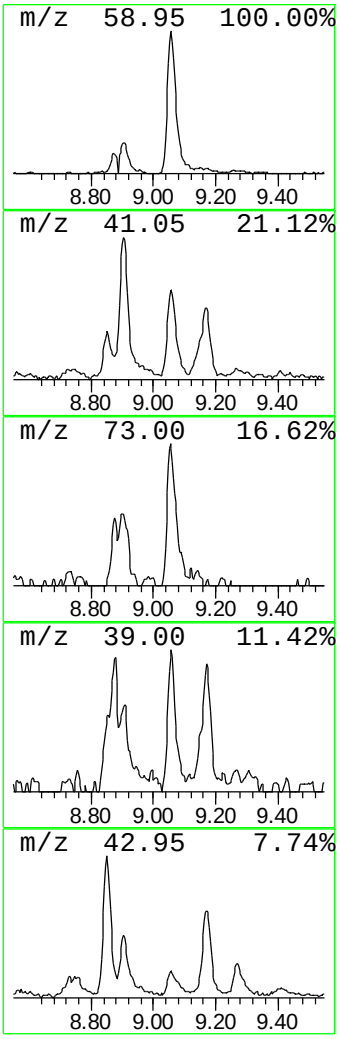
****

Peak Number 8 1-(1-Methoxypropan-2-yloxy)... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	2.83 ug/L	67808	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Methoxypropan-2-yloxy)propa...	260	C14H28O4	1000367-13-1	64
2	1-(1-Methoxypropan-2-yloxy)propa...	190	C9H18O4	1000367-08-6	64
3	1-(1-Methoxypropan-2-yloxy)propa...	232	C12H24O4	1000367-13-2	56
4	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	56
5	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50





Library Search Compound Report

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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

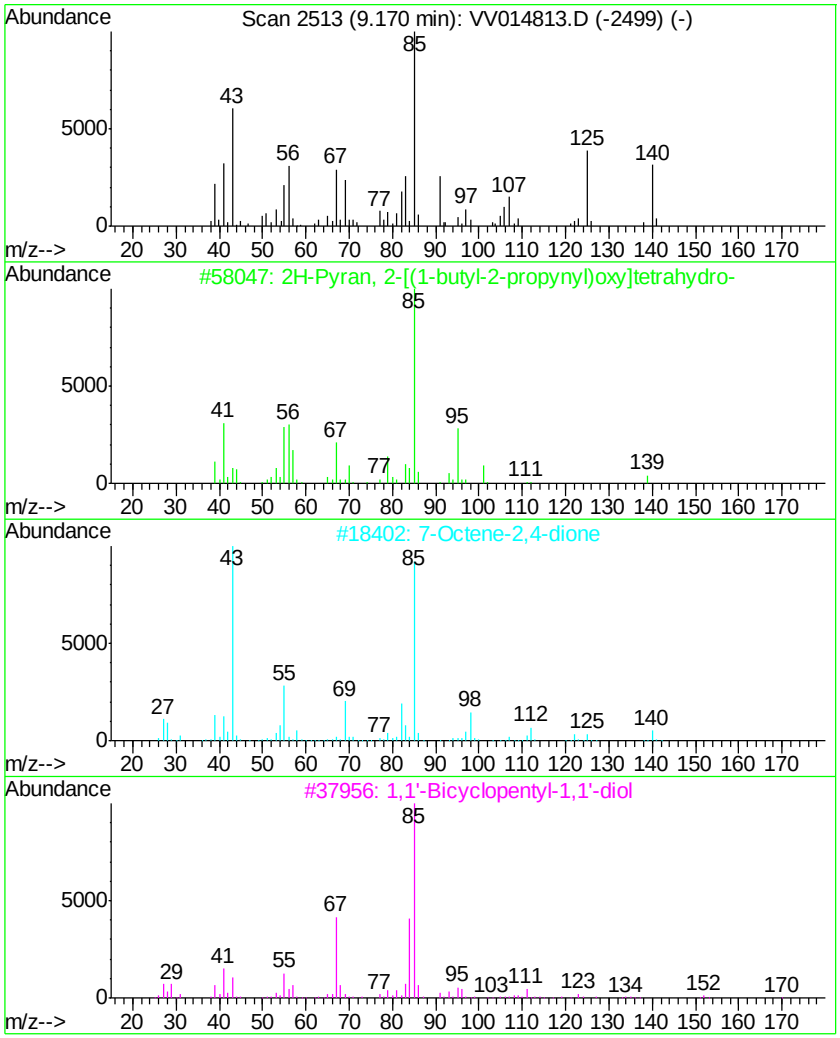
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

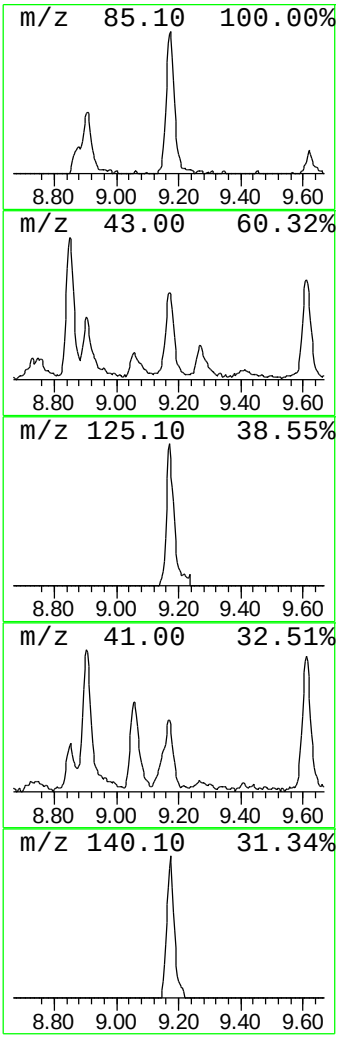
****

Peak Number 9 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	4.29 ug/L	102621	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, 2-[(1-butyl-2-propynyl...	196	C12H20O2	000831-83-4	37
2	7-Octene-2,4-dione	140	C8H12O2	010151-22-1	35
3	1,1'-Bicyclopentyl-1,1'-diol	170	C10H18O2	005181-75-9	35
4	2-Cyclohexen-1-ol, 2,6,6-trimethyl-	140	C9H16O	054345-59-4	35
5	1-Decanol, 10-[(tetrahydro-2H-py...	258	C15H30O3	043047-93-4	25





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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

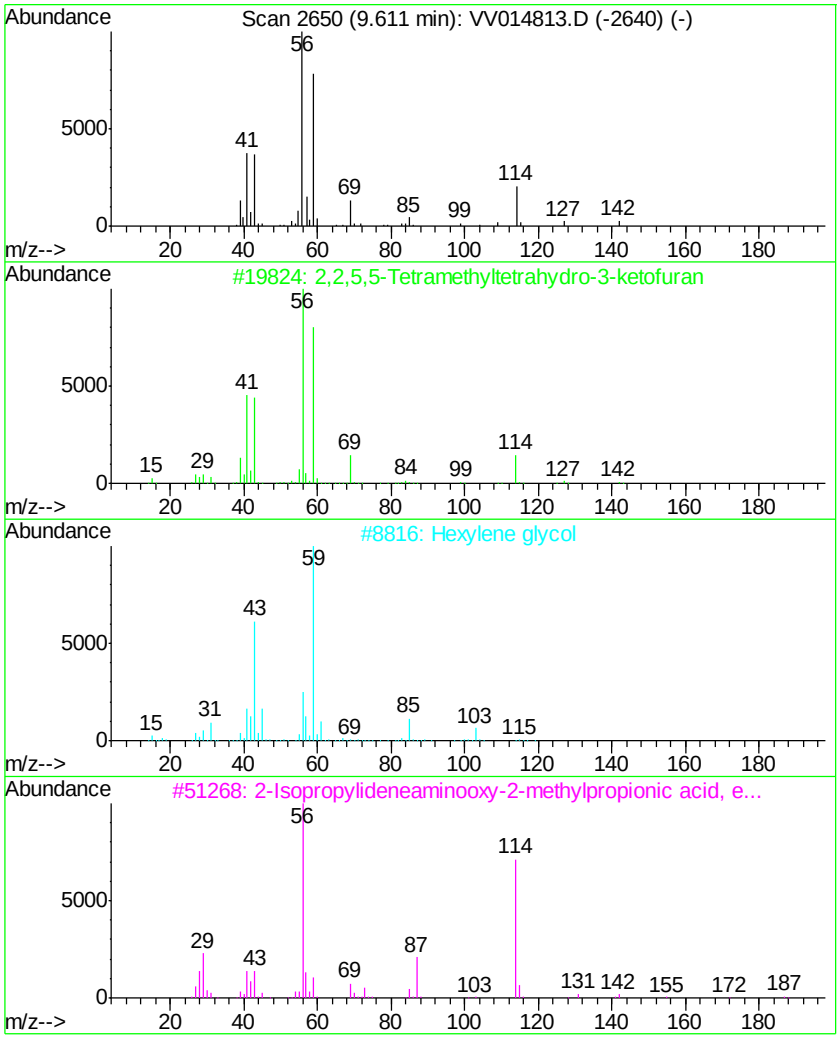
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

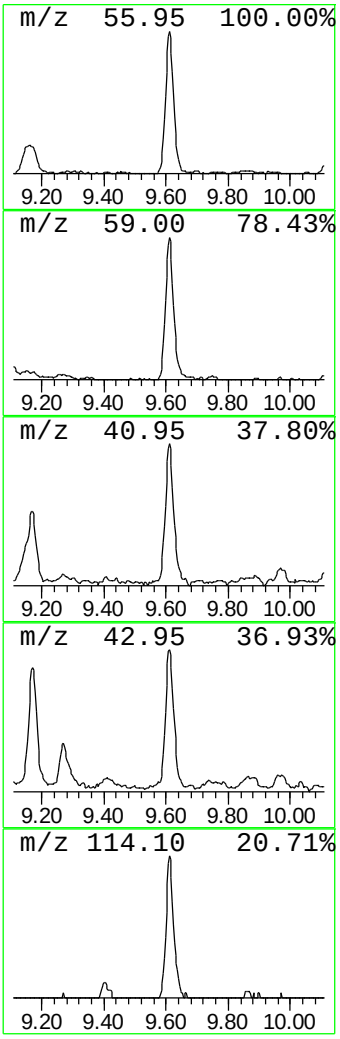
****

Peak Number 10 2,2,5,5-Tetramethyltetrahyd... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	4.23 ug/L	101334	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,5,5-Tetramethyltetrahydro-3-...	142	C8H14O2	005455-94-7	72
2	Hexylene glycol	118	C6H14O2	000107-41-5	37
3	2-Isopropylideneaminooxy-2-methy...	187	C9H17NO3	1000187-67-8	37
4	2,4-Dimethyl-5-hexanolide	142	C8H14O2	1000360-40-9	35
5	2-Propanol, 1-methoxy-2-methyl-	104	C5H12O2	003587-64-2	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

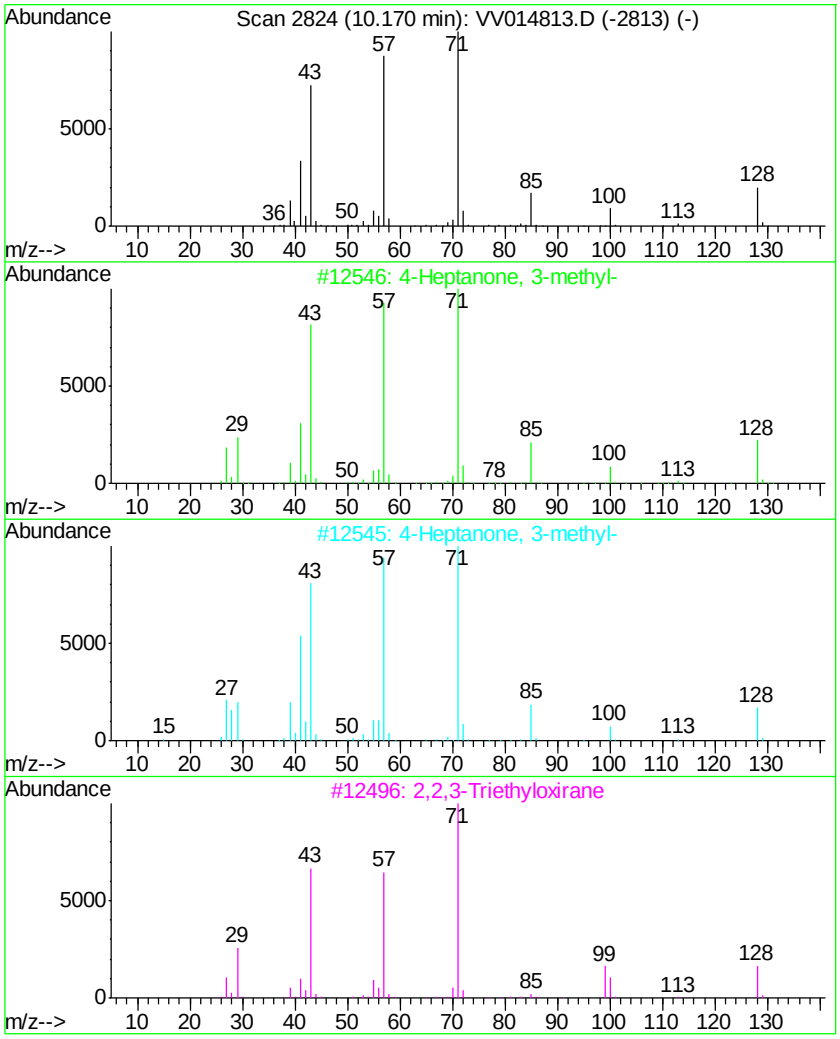
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

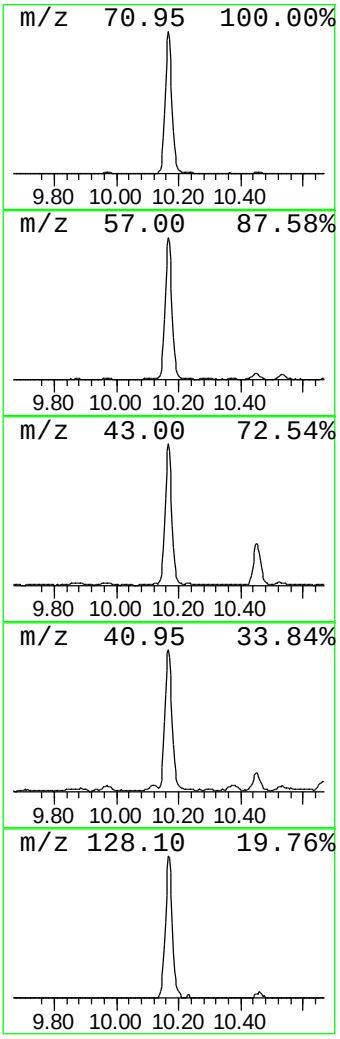
****

Peak Number 11 4-Heptanone, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	13.46 ug/L	300842	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	95
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	91
3	2,2,3-Triethyloxirane	128	C8H16O	053229-40-6	80
4	4-Octanone	128	C8H16O	000589-63-9	64
5	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	53





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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

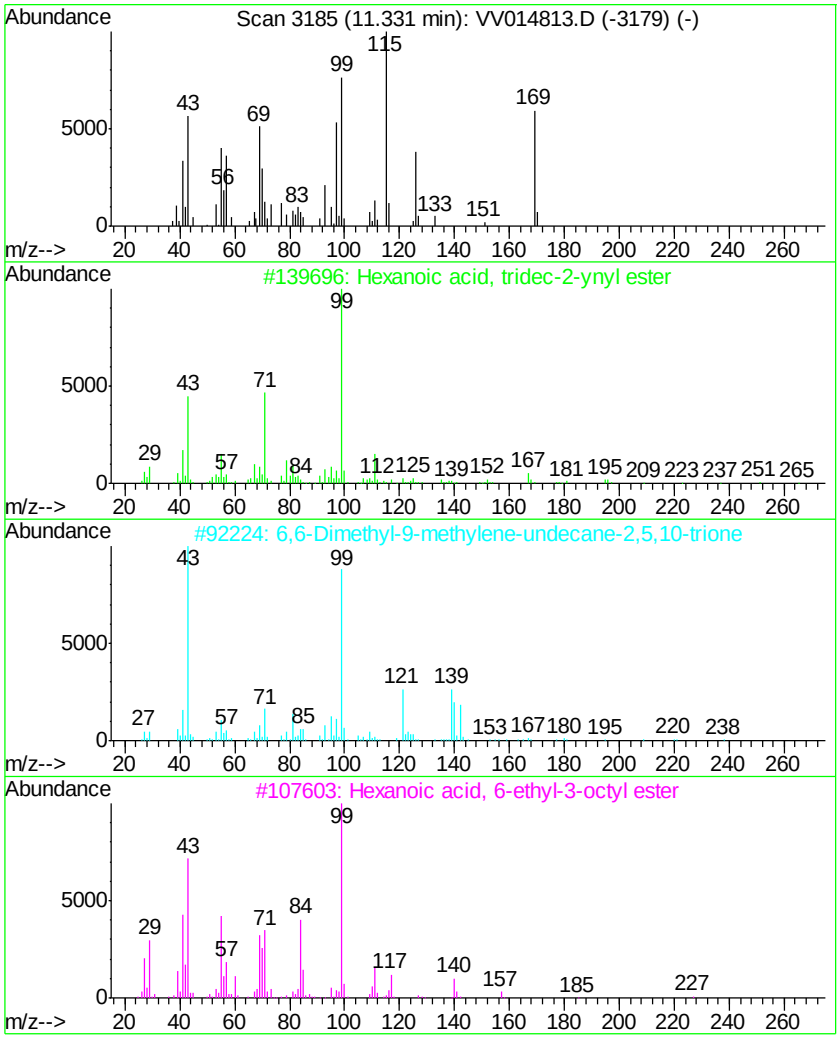
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

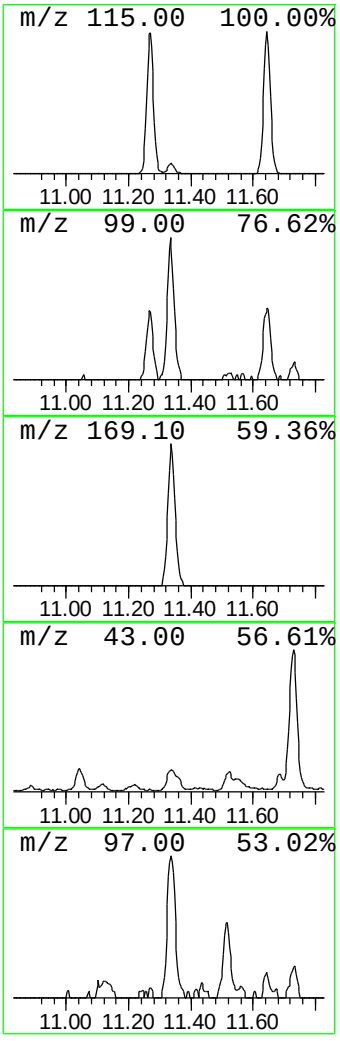
****

Peak Number 12 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	3.76 ug/L	83947	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, tridec-2-ynyl ester	294	C19H34O2	1000299-36-0	14
2	6,6-Dimethyl-9-methylene-undecan...	238	C14H22O3	070412-59-8	14
3	Hexanoic acid, 6-ethyl-3-octyl e...	256	C16H32O2	1000279-28-4	14
4	[1,2,4]Triazolo[4,3-a]quinoline	169	C10H7N3	000235-06-3	14
5	Silane, dimethyldi-2-propenyl-	140	C8H16Si	001113-12-8	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

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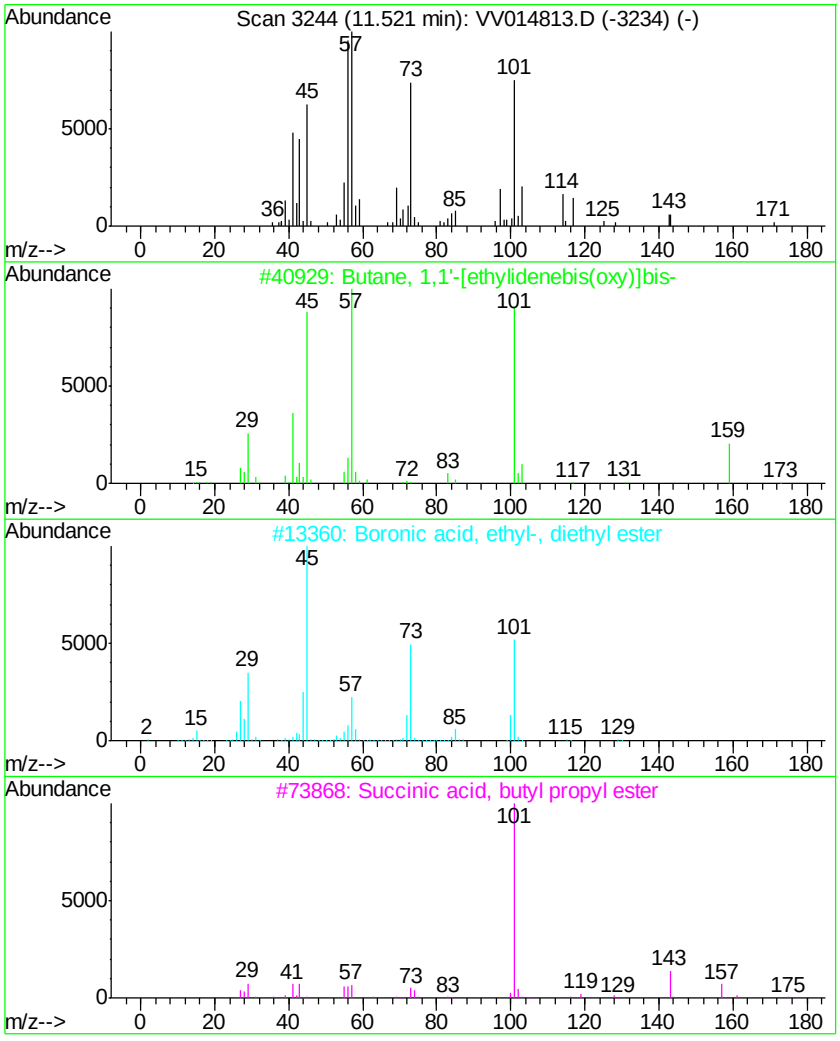
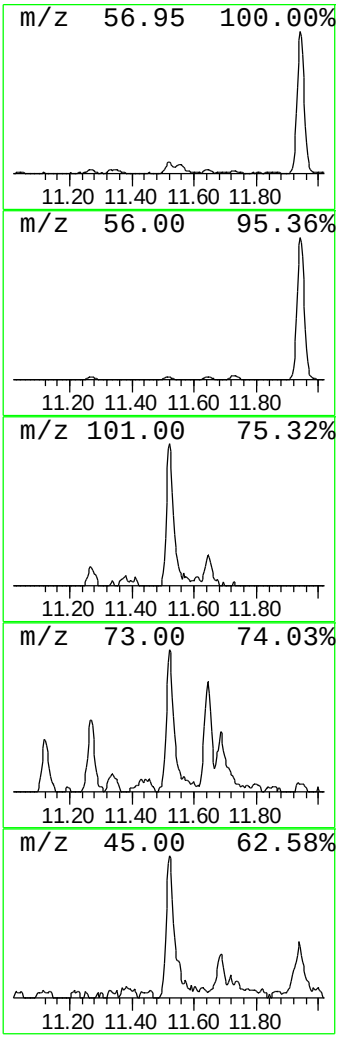
Peak Number 13 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	3.15 ug/L	70339	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	35
2	Boronic acid, ethyl-, diethyl ester	130	C6H15BO2	053907-92-9	35
3	Succinic acid, butyl propyl ester	216	C11H20O4	1000324-85-2	22
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	22
5	4-Penten-2-ol, 4-methyl-	100	C6H12O	002004-67-3	16





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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

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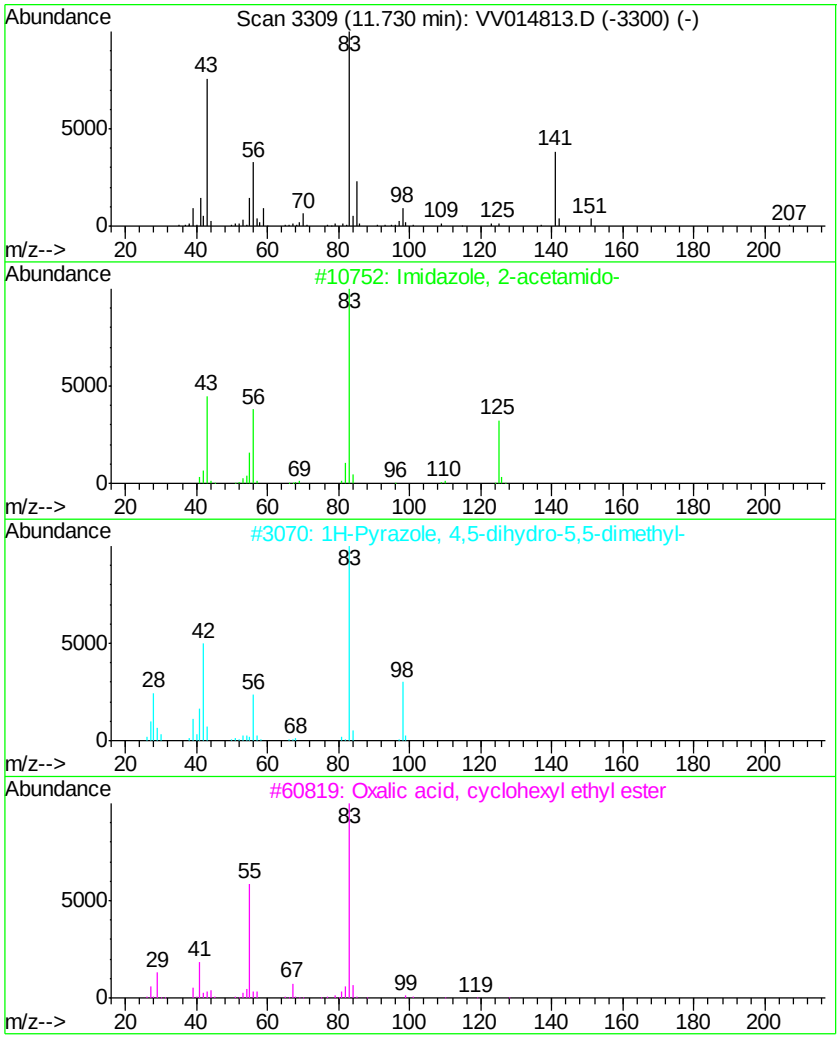
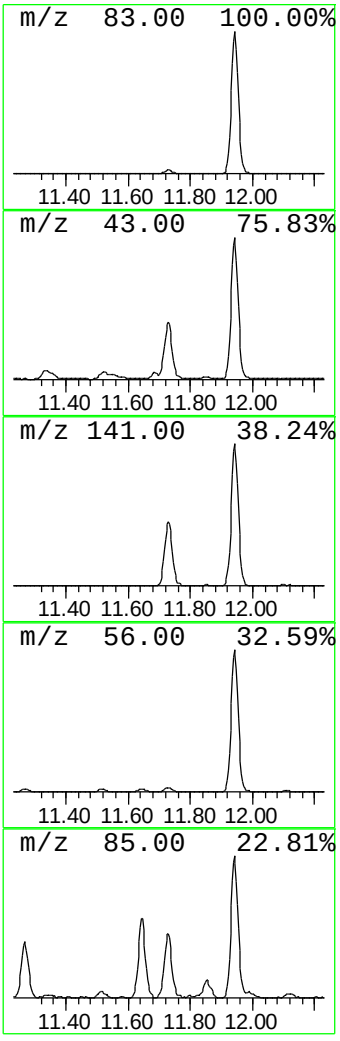
Peak Number 14 unknown-05 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	7.64 ug/L	170788	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 2-acetamido-	125	C5H7N3O	052737-49-2	38
2	1H-Pyrazole, 4,5-dihydro-5,5-dim...	98	C5H10N2	004320-85-8	38
3	Oxalic acid, cyclohexyl ethyl ester	200	C10H16O4	1000309-30-2	16
4	(Trimethylsilyl)acetylene	98	C5H10Si	001066-54-2	12
5	Glycine, N-methyl-N-(trifluoroac...	269	C11H18F3NO3	057983-78-5	12





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Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

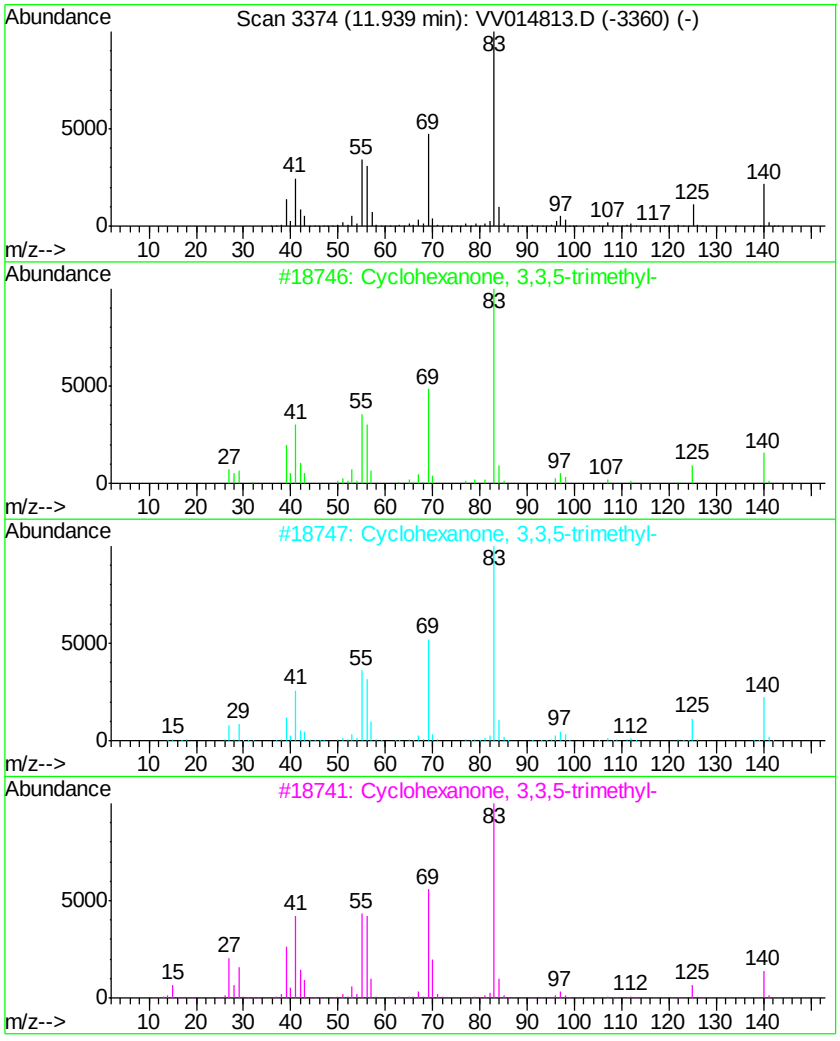
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

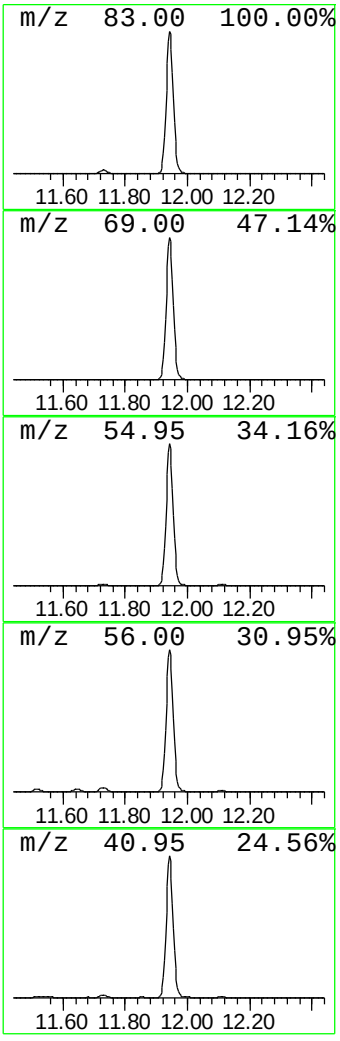
****

Peak Number 15 Cyclohexanone, 3,3,5-trimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	238.86 ug/L	5337270	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	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	50





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Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

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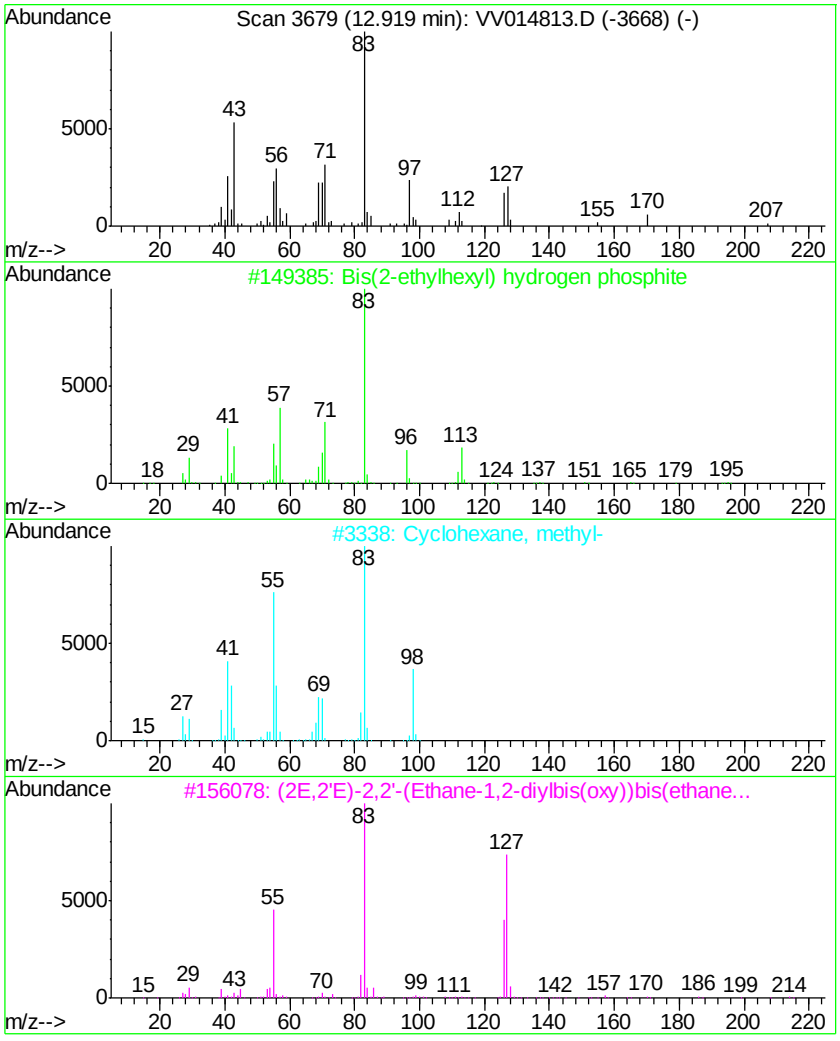
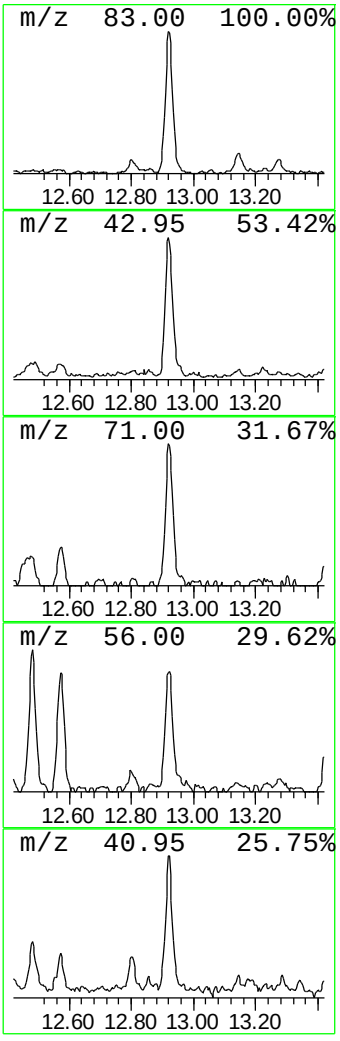
Peak Number 16 Bis(2-ethylhexyl) hydrogen ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	4.72 ug/L	105490	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-ethylhexyl) hydrogen phosp...	306	C16H35O3P	003658-48-8	50
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	47
3	(2E,2'E)-2,2'-(Ethane-1,2-diylbi...	314	C16H26O6	1000366-99-2	43
4	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	38
5	2-Butenoic acid, 3-methyl-, 2-et...	212	C13H24O2	085567-31-3	37





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Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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

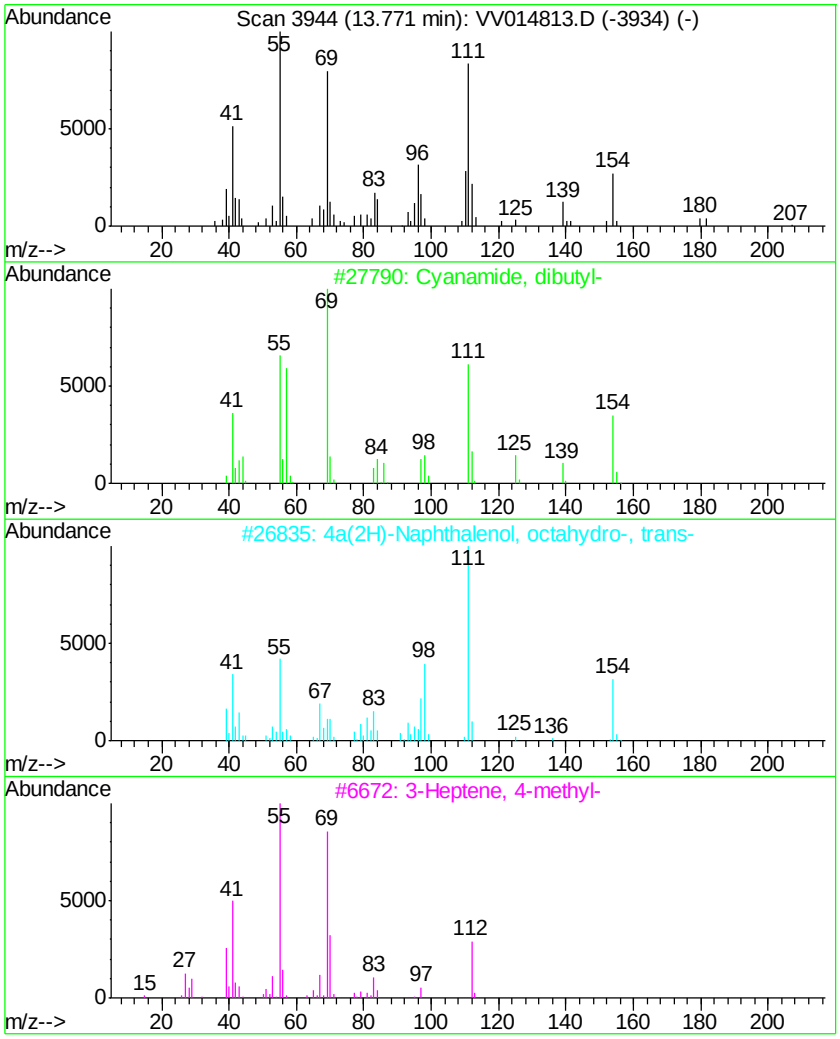
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

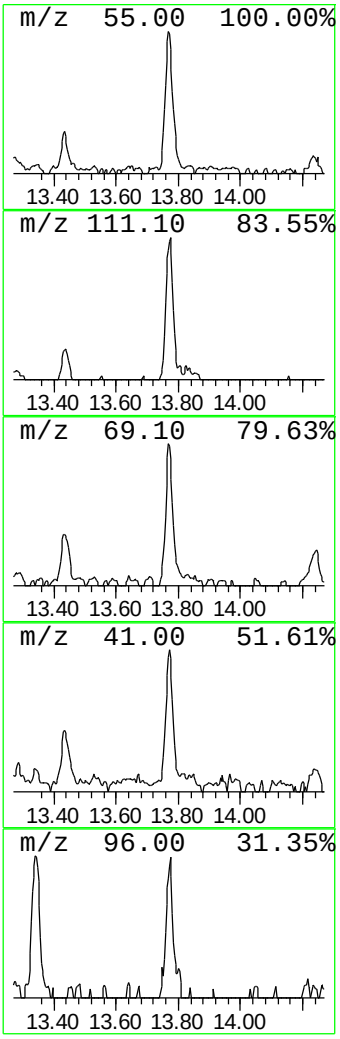
****

Peak Number 17 Cyanamide, dibutyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.59 ug/L	57918	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyanamide, dibutyl-	154	C9H18N2	002050-54-6	64
2	4a(2H)-Naphthalenol, octahydro-,...	154	C10H18O	001654-87-1	41
3	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38
4	Cyclohexanone, 2-methyl-5-(1-met...	154	C10H18O	059471-80-6	35
5	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031020\
Data File : VV014813.D
Acq On : 10 Mar 2020 19:51
Operator : SY/MD
Sample : L1840-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBEM6

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
Dimethyl ether	1.22	6.2	ug/L	109670	1	5.64	891592	50.0
unknown-01	1.40	2.6	ug/L	46692	1	5.64	891592	50.0
Ethane, methoxy-	1.48	9.0	ug/L	159777	1	5.64	891592	50.0
Butanal	3.73	21.2	ug/L	377308	1	5.64	891592	50.0
1,3-Dioxolane, 4-...	5.27	10.4	ug/L	186091	1	5.64	891592	50.0
2-Propanone, 1-me...	6.61	29.8	ug/L	531510	1	5.64	891592	50.0
1-(1-Methoxypropa...	9.05	2.8	ug/L	67808	2	8.87	1196810	50.0
unknown-02	9.17	4.3	ug/L	102621	2	8.87	1196810	50.0
2,2,5,5-Tetrameth...	9.61	4.2	ug/L	101334	2	8.87	1196810	50.0
4-Heptanone, 3-me...	10.17	13.5	ug/L	300842	3	11.27	1117230	50.0
unknown-03	11.33	3.8	ug/L	83947	3	11.27	1117230	50.0
unknown-04	11.52	3.1	ug/L	70339	3	11.27	1117230	50.0
unknown-05	11.73	7.6	ug/L	170788	3	11.27	1117230	50.0
Cyclohexanone, 3,...	11.94	238.9	ug/L	5337270	3	11.27	1117230	50.0
Bis(2-ethylhexyl)...	12.92	4.7	ug/L	105490	3	11.27	1117230	50.0
Cyanamide, dibutyl-	13.77	2.6	ug/L	57918	3	11.27	1117230	50.0