LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Integration Parameters: RTEINT3.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_X\METHOD\624X011520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.606	108	118	121	rVB8	31010	75759	1.10%	0.261%
2	2.429	246	253	257	rBV	174874	278594	4.04%	0.959%
3	2.472	257	260	269	rVB	80546	130184	1.89%	0.448%
4	2.588	274	279	289	rVB	43299	78911	1.14%	0.272%
5	3.021	341	350	361	rVB	275349	594843	8.62%	2.047%
6	3.179	370	376	384	rVB	33774	78500	1.14%	0.270%
7	4.100	518	527	535	rVB3	37231	94194	1.37%	0.324%
8	4.667	611	620	632	rBV2	51050	155792	2.26%	0.536%
9	5.008	663	676	688	rBV2	152879	464339	6.73%	1.598%
10	6.051	838	847	856	rBV	162626	426031	6.17%	1.466%
11	6.136	856	861	868	rVB	54464	127369	1.85%	0.438%
12	6.849	970	978	990	rBV	359325	841083	12.19%	2.894%
13	8.636	1265	1271	1277	rBV	93652	148131	2.15%	0.510%
14	8.709	1277	1283	1289	rVV	780994	1185117	17.18%	4.078%
15	8.782	1289	1295	1306	rVB	448709	702446	10.18%	2.417%
16	10.111	1507	1513	1523	rVB	710751	998481	14.47%	3.436%
17	10.245	1531	1535	1540	rBV	110233	143337	2.08%	0.493%
18	10.355	1547	1553	1561	rVB	393592	541698	7.85%	1.864%
19	10.696	1601	1609	1614	rVB	252960	345584	5.01%	1.189%
20	10.818	1625	1629	1637	rBV	59038	76437	1.11%	0.263%
21	11.135	1675	1681	1687	rBV	621901	788200	11.42%	2.712%
22	11.428	1724	1729	1735	rBV	106014	175826	2.55%	0.605%
23	11.501	1735	1741	1750	rVB2	62196	123066	1.78%	0.424%
24	11.800	1786	1790	1796	rVB	214236	278096	4.03%	0.957%
25	11.885	1796	1804	1808	rBV	85467	128680	1.87%	0.443%
26	11.940	1808	1813	1821	rVB4	39997	72713	1.05%	0.250%
27	12.147	1841	1847	1855	rBV2	105379	207308	3.00%	0.713%
28	12.263	1861	1866	1879	rBV	1295329	1880570	27.26%	6.472%
29	12.367	1879	1883	1889	rVB4	41123	70316	1.02%	0.242%
30	12.464	1895	1899	1903	rBV	97418	116664	1.69%	0.401%
31	12.592	1914	1920	1928	rBV3	100975	213601	3.10%	0.735%
32	12.958	1973	1980	1986	rBV	352083	493380	7.15%	1.698%
33	13.013	1986	1989	1994	rVB2	58056	70206	1.02%	0.242%
34	13.342	2032	2043	2049	rBV2	82929	123498	1.79%	0.425%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Integration Parameters: RTEINT3.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_X\METHOD\624X011520W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	13.562	2075	2079	2087	rVB	308915	419465	6.08%	1.443%
36	13.641	2087	2092	2099	rVB3	146698	205559	2.98%	0.707%
37	13.714	2099	2104	2110	rVB4	93080	147826	2.14%	0.509%
38	13.781	2110	2115	2118	rBV	131730	173640	2.52%	0.598%
39	13.830	2118	2123	2129	rVB	5657616	6899582	100.00%	23.743%
40	13.921	2133	2138	2144	rVB	312415	393354	5.70%	1.354%
41	14.689	2259	2264	2274	rVB	4407247	5147893	74.61%	17.715%
42	14.781	2274	2279	2282	rBV	52415	71077	1.03%	0.245%
43	14.830	2282	2287	2298	rVB	2631300	3371723	48.87%	11.603%

Sum of corrected areas: 29059073

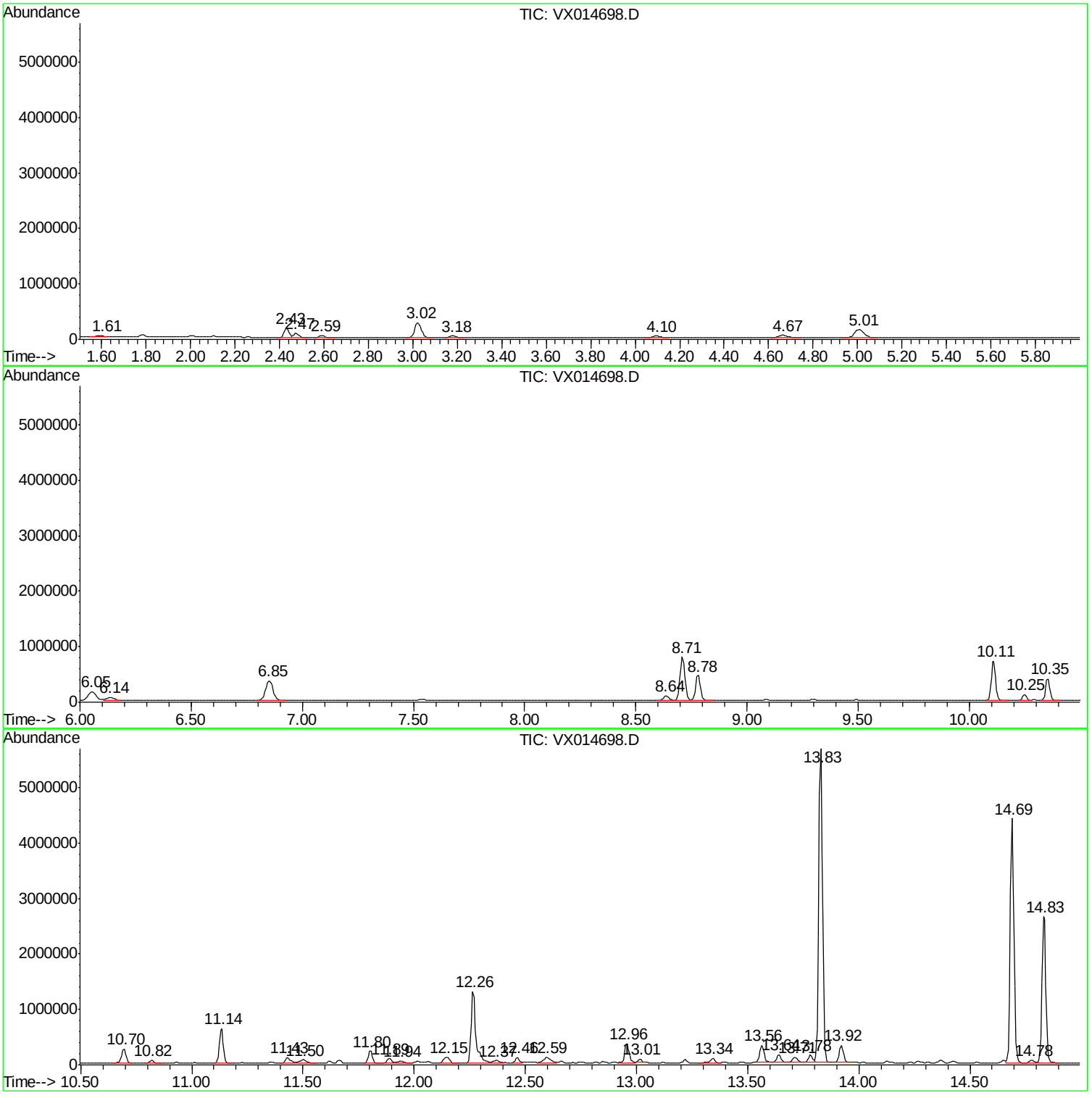
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

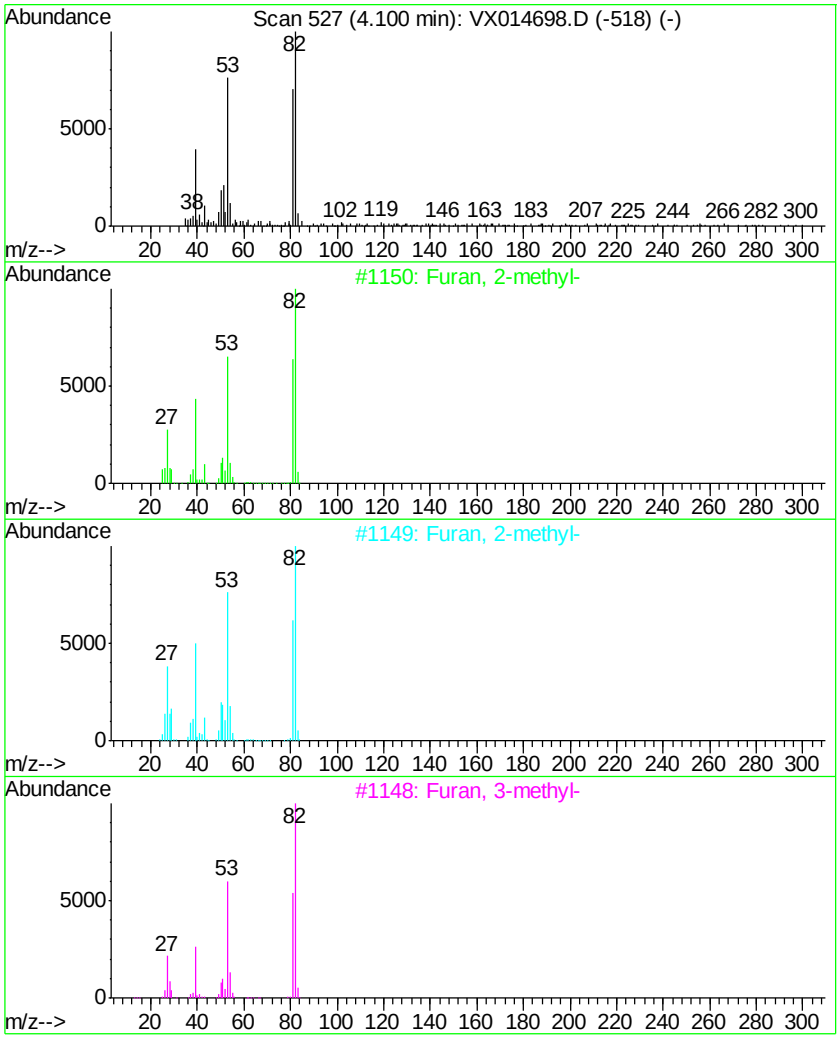
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

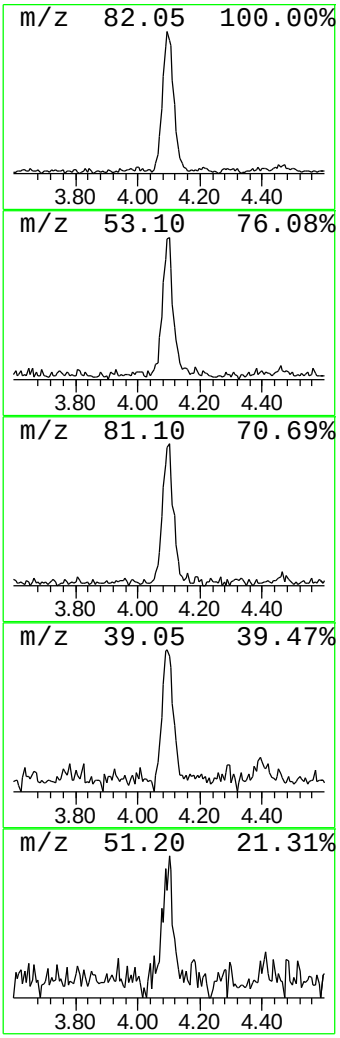
****

Peak Number 1 Furan, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	6.09 ug/l	94194	Bromochloromethane	5.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-methyl-	82	C5H6O	000534-22-5	90
2	Furan, 2-methyl-	82	C5H6O	000534-22-5	83
3	Furan, 3-methyl-	82	C5H6O	000930-27-8	80
4	Furan, 2-methyl-	82	C5H6O	000534-22-5	80
5	Furan, 2-methyl-	82	C5H6O	000534-22-5	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

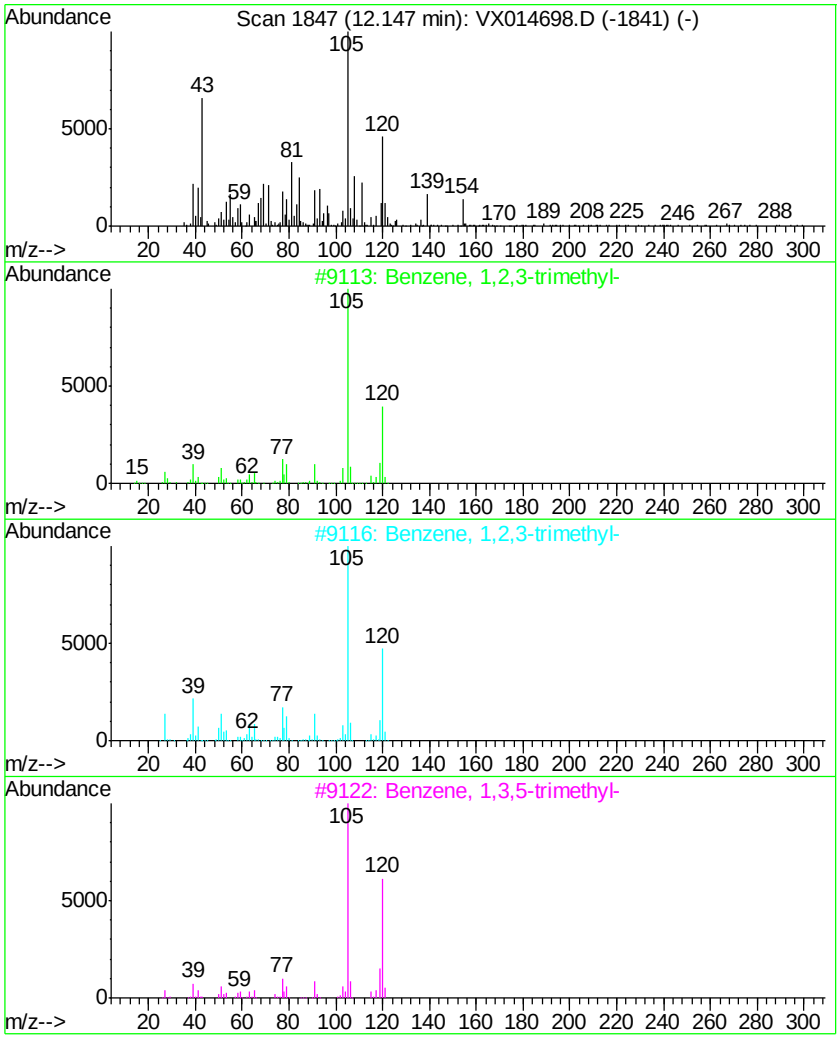
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

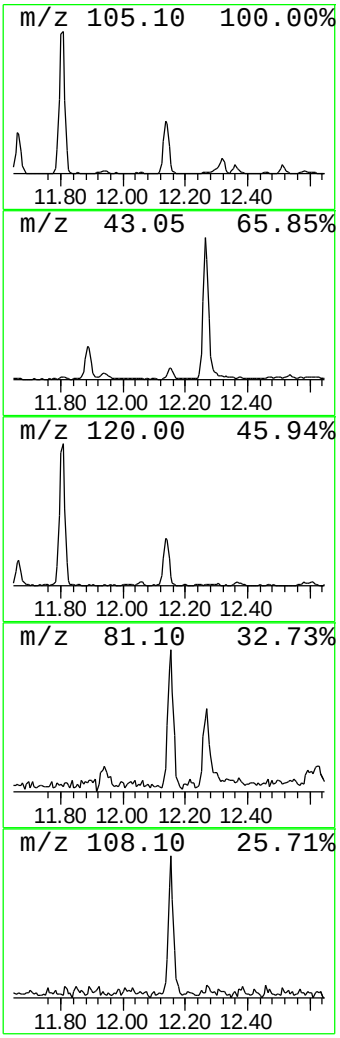
****

Peak Number 2 unknown12.15 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	6.23 ug/l	207308	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	46
4	Eucalyptol	154	C10H18O	000470-82-6	42
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

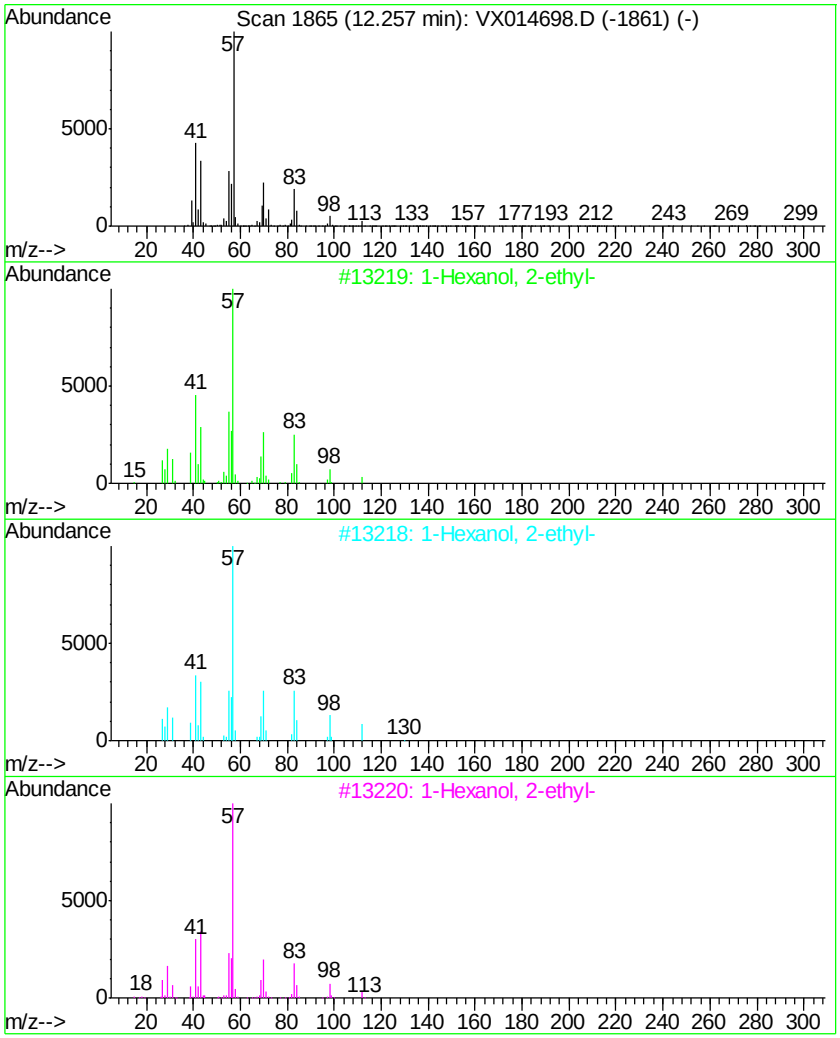
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

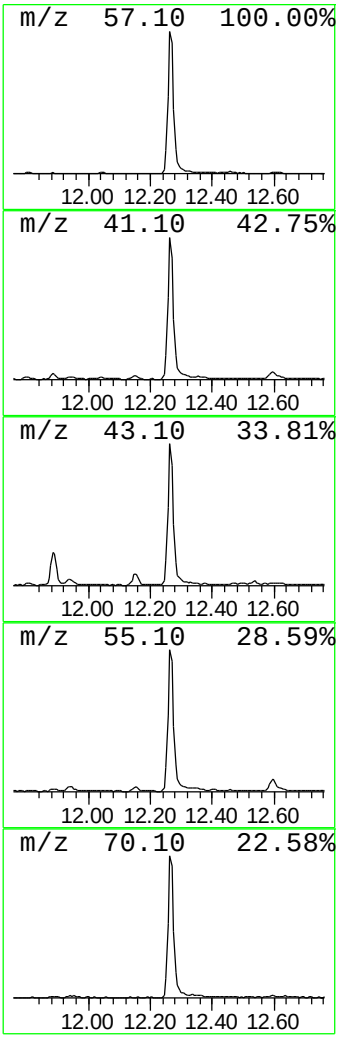
****

Peak Number 3 1-Hexanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	56.50 ug/l	1880570	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

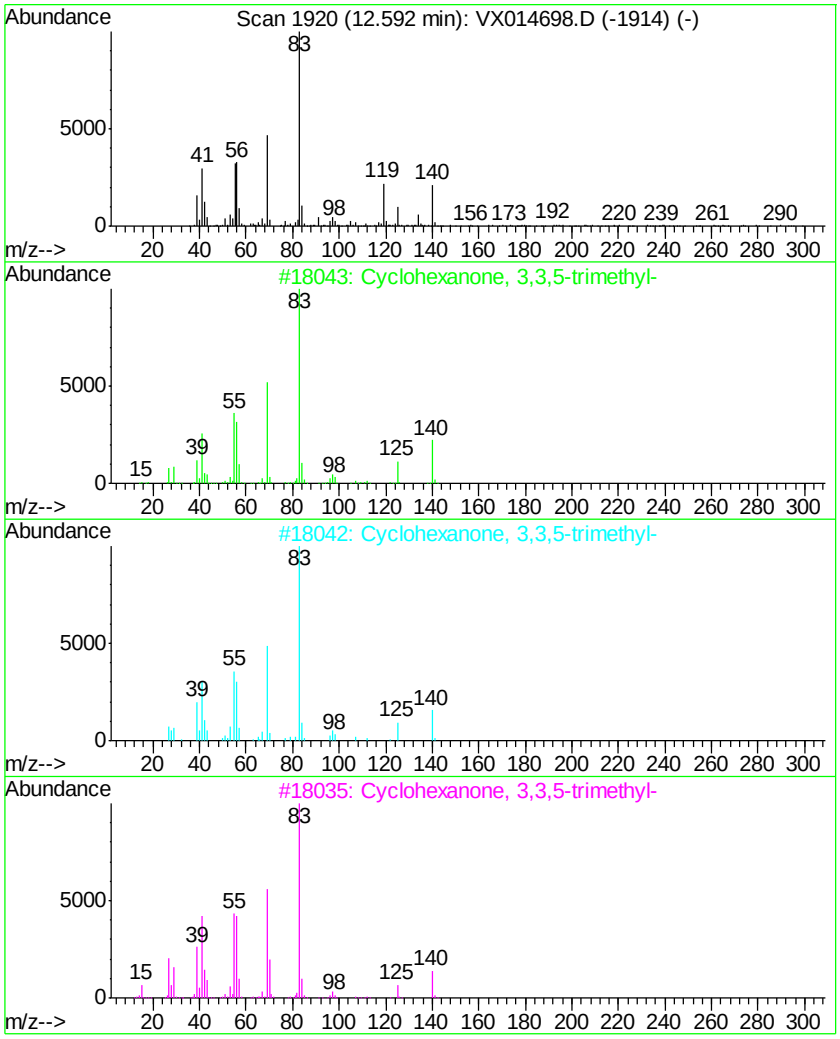
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

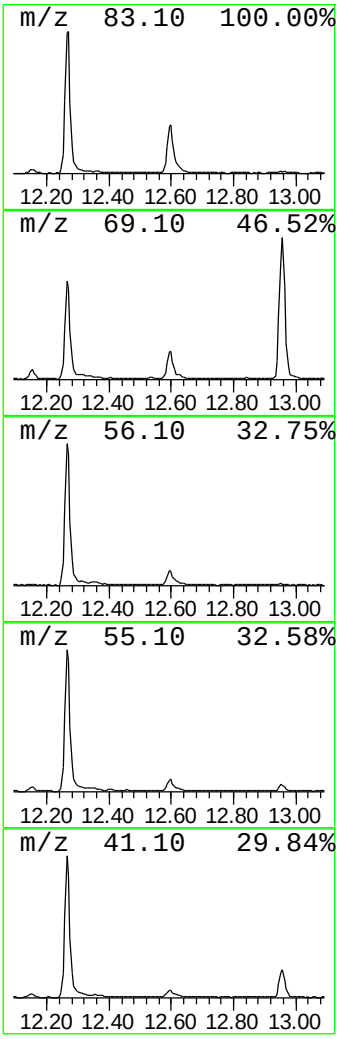
****

Peak Number 4 Cyclohexanone, 3,3,5-trimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.42 ug/l	213601	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	87
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	72
5	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

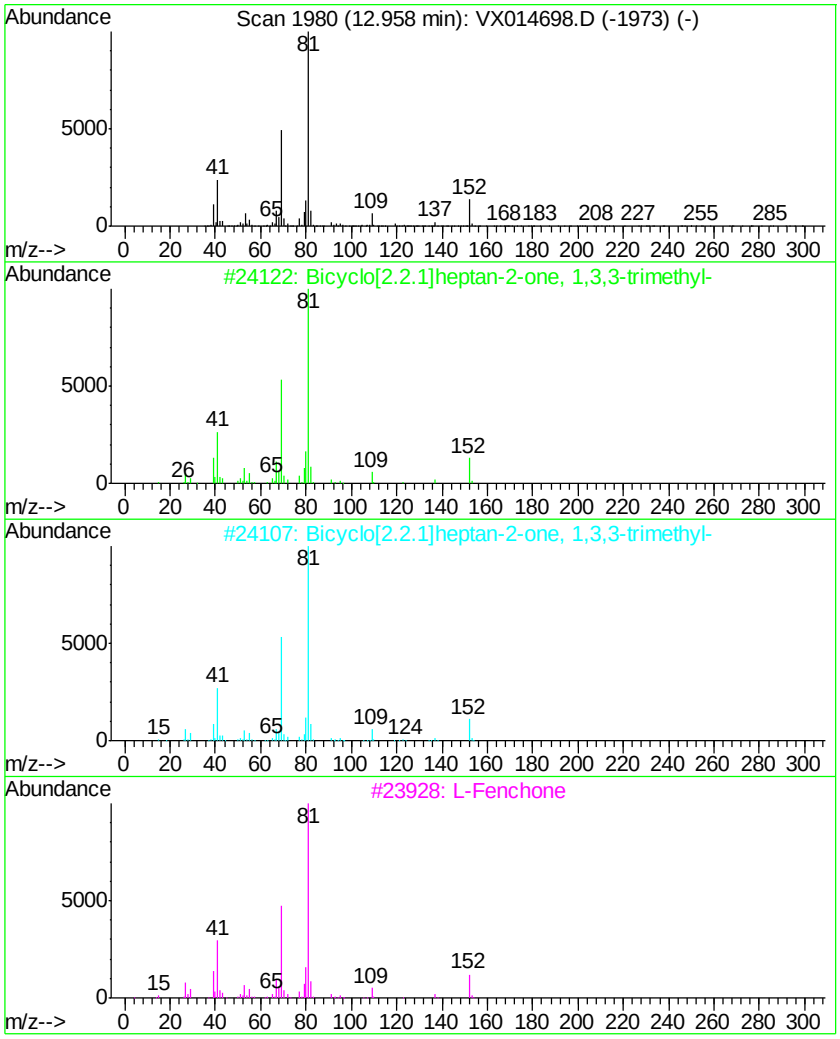
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

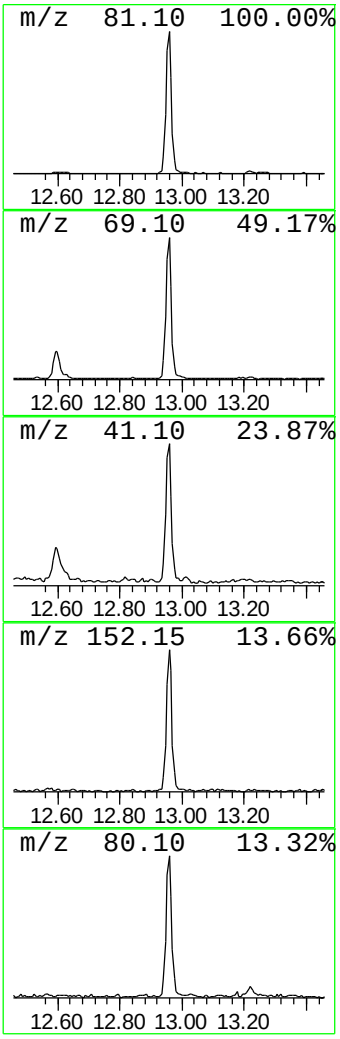
****

Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	14.82 ug/l	493380	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	95
3	L-Fenchone	152	C10H16O	000126-21-6	94
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	91
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

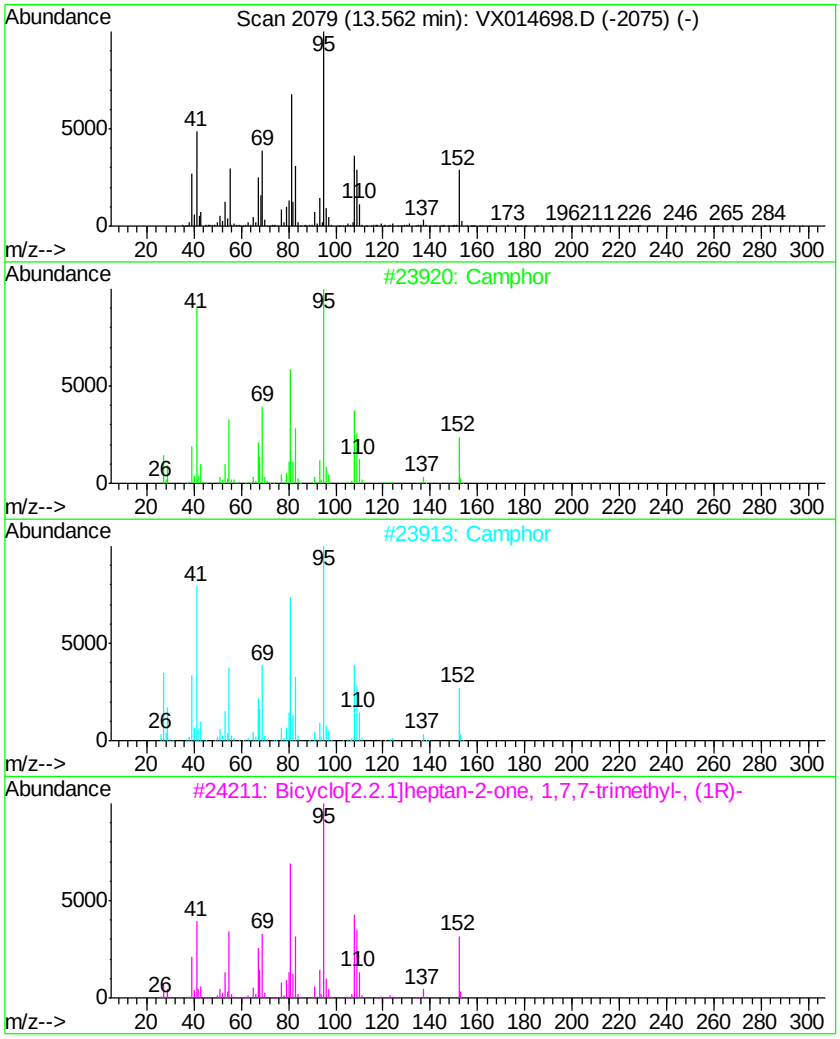
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

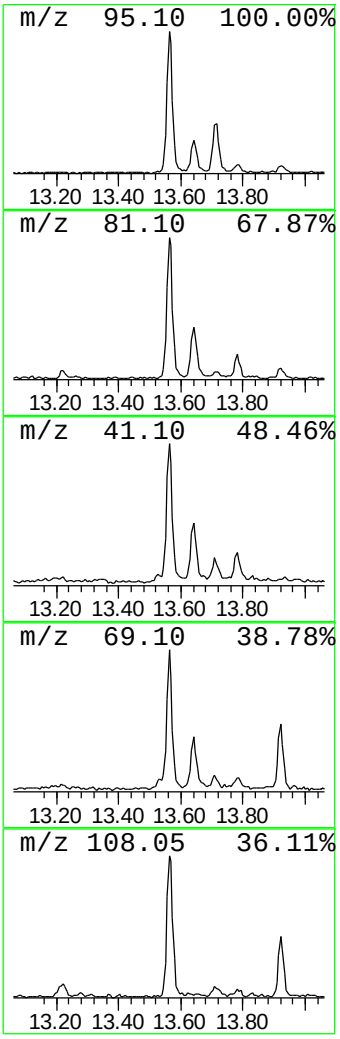
****

Peak Number 6 Camphor Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	12.60 ug/l	419465	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	Camphor	152	C10H16O	000076-22-2	98
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

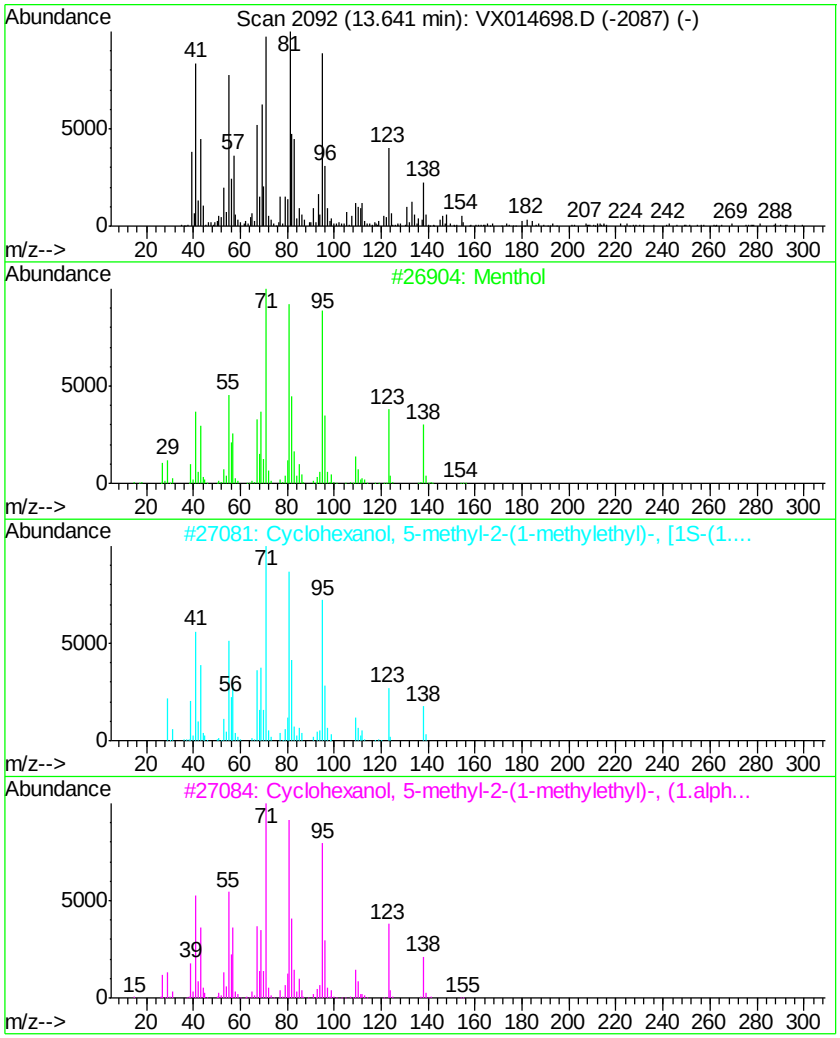
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

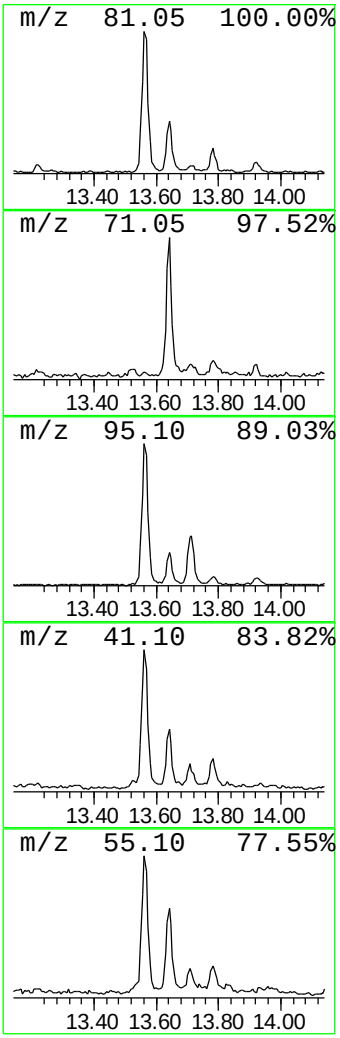
****

Peak Number 7 Menthol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	6.18 ug/l	205559	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Menthol	156	C10H20O	001490-04-6	83
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	83
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	83
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	80
5	Menthol	156	C10H20O	001490-04-6	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

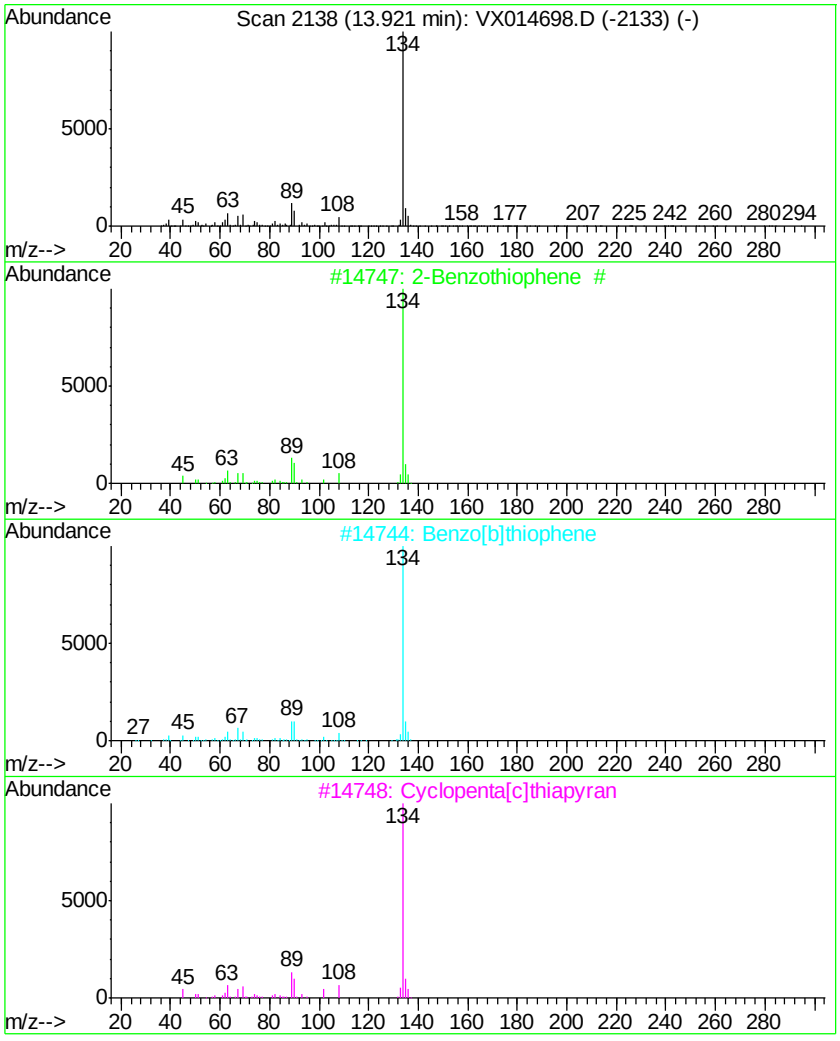
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

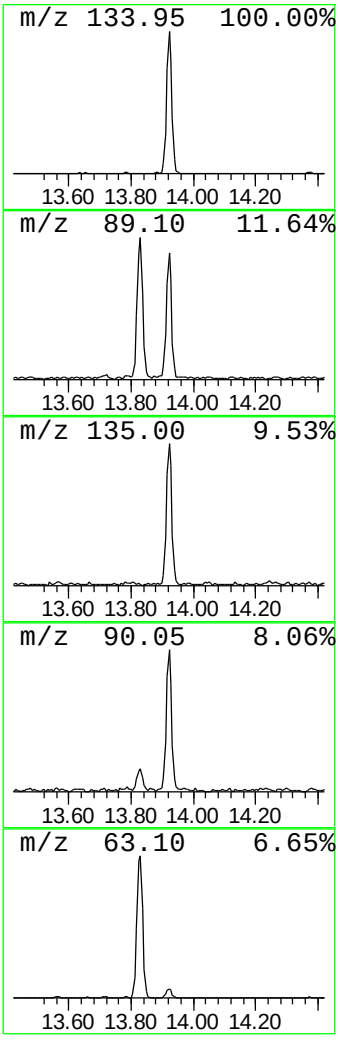
****

Peak Number 8 2-Benzothiophene # Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	11.82 ug/l	393354	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

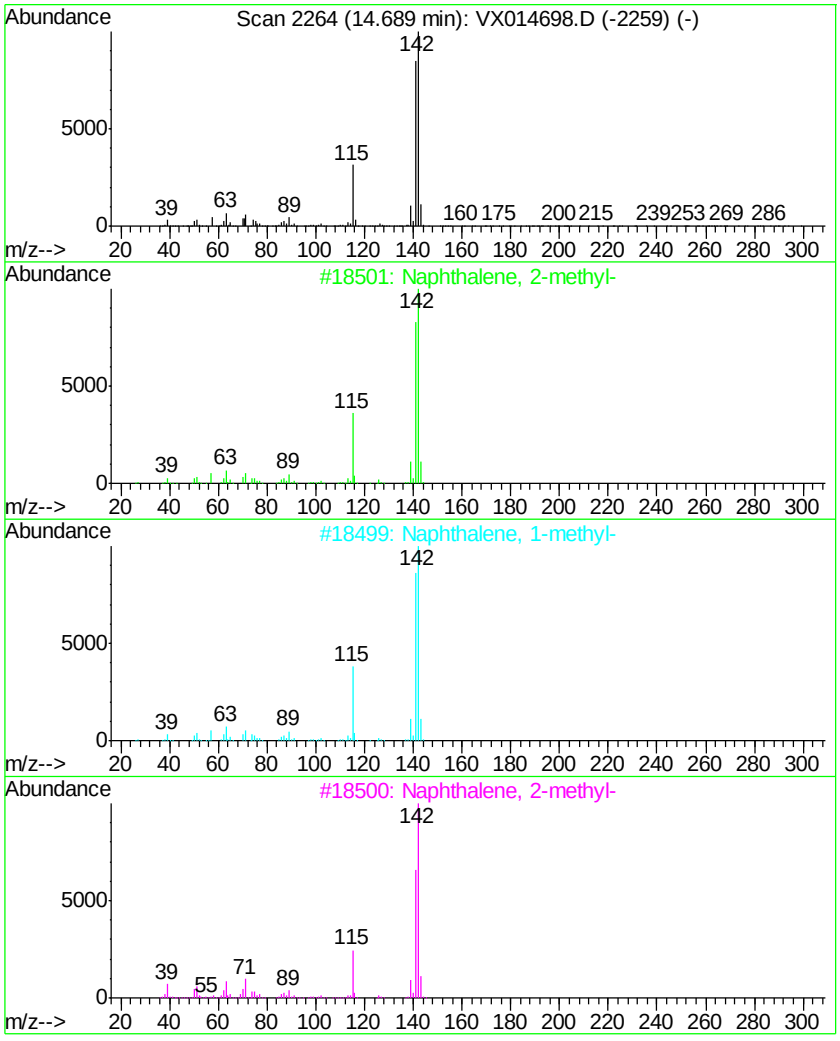
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

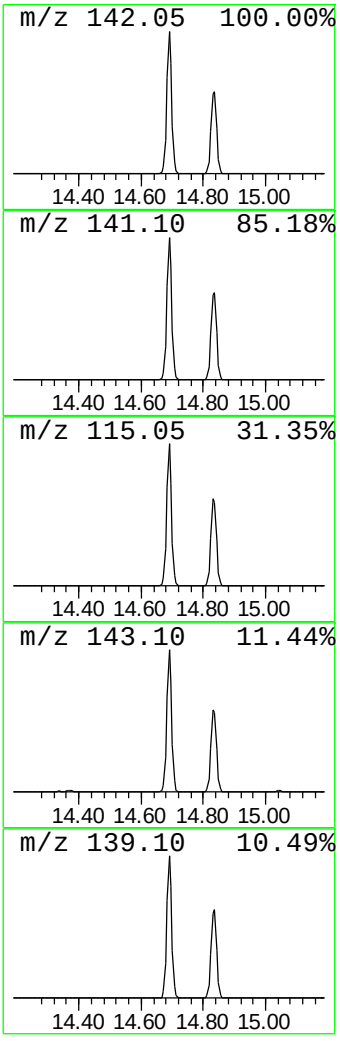
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	154.67 ug/l	5147890	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX012420\
Data File : VX014698.D
Acq On : 24 Jan 2020 15:31
Operator : JC/SP
Sample : L1256-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TANK-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Furan, 2-methyl-	4.10	6.1	ug/l	94194	1	5.01	464339	30.0
unknown12.15	12.15	6.2	ug/l	207308	3	10.11	998481	30.0
1-Hexanol, 2-ethyl-	12.26	56.5	ug/l	1880570	3	10.11	998481	30.0
Cyclohexanone, 3,...	12.59	6.4	ug/l	213601	3	10.11	998481	30.0
Bicyclo[2.2.1]hep...	12.96	14.8	ug/l	493380	3	10.11	998481	30.0
Camphor	13.56	12.6	ug/l	419465	3	10.11	998481	30.0
Menthol	13.64	6.2	ug/l	205559	3	10.11	998481	30.0
2-Benzothiophene #	13.92	11.8	ug/l	393354	3	10.11	998481	30.0
Naphthalene, 1-me...	14.69	154.7	ug/l	5147890	3	10.11	998481	30.0