LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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	2.424	247	252	269	rVB	1855157	3160286	14.64%	3.893%
2	2.588	271	279	291	rVB	445942	808528	3.74%	0.996%
3	3.033	339	352	367	rBV	9599382	21590839	100.00%	26.594%
4	4.685	606	623	636	rBV2	5523789	20099905	93.09%	24.758%
5	5.002	665	675	683	rBV2	154689	442885	2.05%	0.546%
6	5.112	683	693	711	rVB	2363011	7060019	32.70%	8.696%
7	6.051	838	847	854	rBV3	167772	425486	1.97%	0.524%
8	6.325	884	892	903	rVB2	146579	401365	1.86%	0.494%
9	6.728	946	958	968	rBV	109331	282378	1.31%	0.348%
10	6.850	968	978	989	rVB	384885	887586	4.11%	1.093%
11	7.289	1043	1050	1058	rBV	100865	220133	1.02%	0.271%
12	7.532	1079	1090	1105	rVB	173095	399848	1.85%	0.493%
13	8.636	1263	1271	1276	rBV2	209928	373264	1.73%	0.460%
14	8.709	1276	1283	1289	rVV	843781	1307098	6.05%	1.610%
15	8.776	1289	1294	1299	rVV2	176960	299073	1.39%	0.368%
16	8.861	1303	1308	1320	rVB	178134	309248	1.43%	0.381%
17	9.428	1398	1401	1407	rVB	442560	628865	2.91%	0.775%
18	10.105	1501	1512	1524	rBV	870238	1444188	6.69%	1.779%
19	10.245	1531	1535	1544	rBV2	297504	504189	2.34%	0.621%
20	10.355	1549	1553	1559	rVV	378077	541009	2.51%	0.666%
21	10.690	1604	1608	1613	rBV	233226	337246	1.56%	0.415%
22	11.129	1675	1680	1686	rBV	660888	904961	4.19%	1.115%
23	11.800	1785	1790	1794	rVB	193358	250674	1.16%	0.309%
24	11.934	1804	1812	1820	rVB3	290554	520875	2.41%	0.642%
25	12.093	1835	1838	1842	rVB	207093	243506	1.13%	0.300%
26	12.153	1842	1848	1852	rBV2	443007	695750	3.22%	0.857%
27	12.263	1862	1866	1868	rBV	230102	282193	1.31%	0.348%
28	12.294	1868	1871	1876	rVB	279405	359966	1.67%	0.443%
29	12.574	1913	1917	1922	rBV2	396833	579607	2.68%	0.714%
30	12.623	1922	1925	1930	rVB	343822	431940	2.00%	0.532%
31	12.812	1950	1956	1960	rVV	258482	375520	1.74%	0.463%
32	12.958	1968	1980	1985	rBV	3462820	4489061	20.79%	5.529%
33	13.013	1985	1989	1993	rVB4	157892	243691	1.13%	0.300%
34	13.220	2018	2023	2026	rBV	239710	331677	1.54%	0.409%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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	13.263	2026	2030	2037	rVB2	189410	314708	1.46%	0.388%
36	13.385	2046	2050	2053	rBV	281868	362092	1.68%	0.446%
37	13.525	2068	2073	2076	rBV2	608548	863874	4.00%	1.064%
38	13.562	2076	2079	2086	rVB	1171347	1467145	6.80%	1.807%
39	13.641	2086	2092	2101	rBV3	1438027	2191417	10.15%	2.699%
40	13.781	2111	2115	2119	rBV	2081511	2400065	11.12%	2.956%
41	13.830	2119	2123	2131	rVB	653097	843595	3.91%	1.039%
42	13.976	2142	2147	2148	rBV2	151523	225407	1.04%	0.278%
43	14.147	2170	2175	2187	rBV	711630	1039137	4.81%	1.280%
44	14.830	2281	2287	2297	rVB	173575	246506	1.14%	0.304%

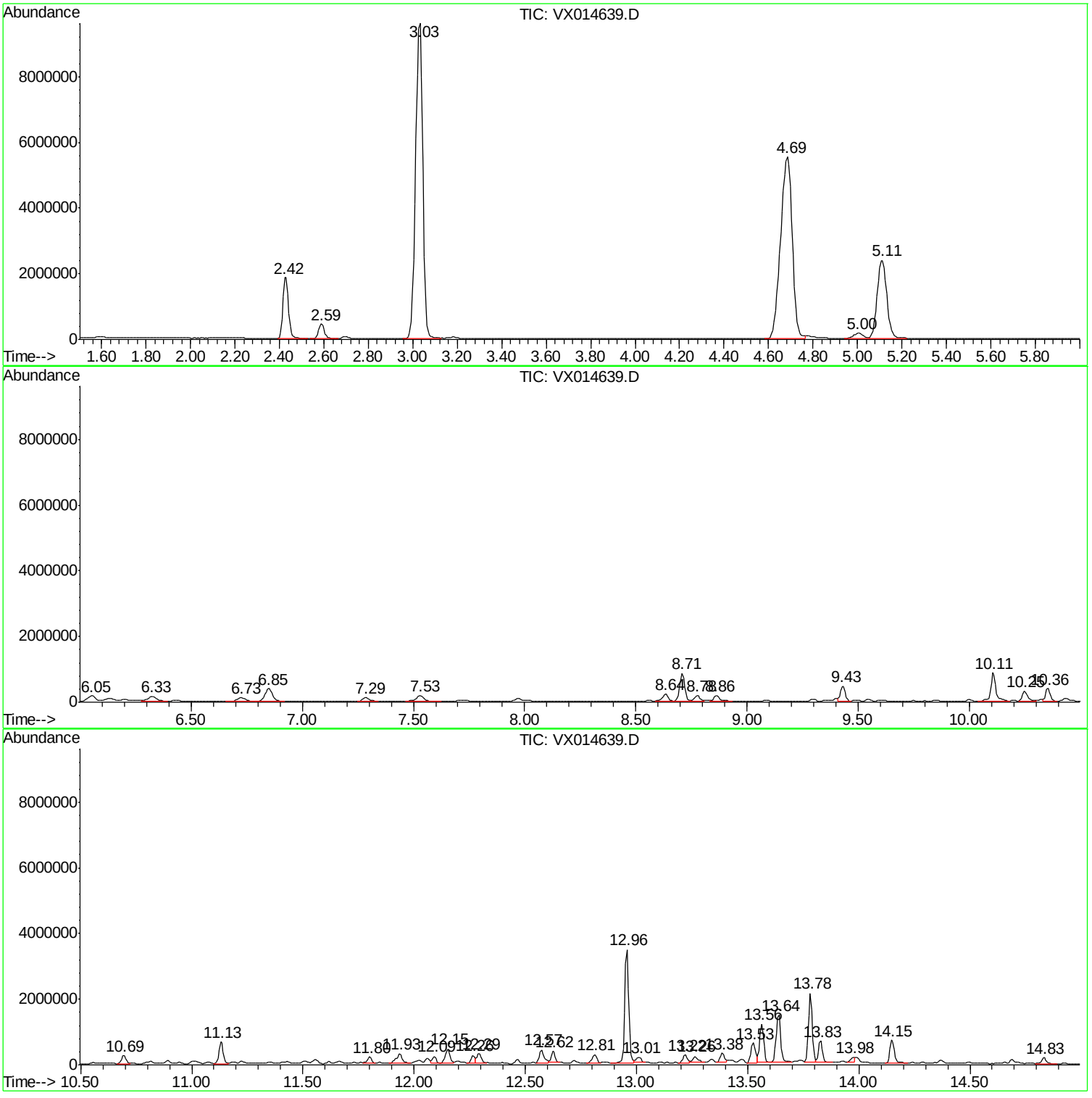
Sum of corrected areas: 81186805

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

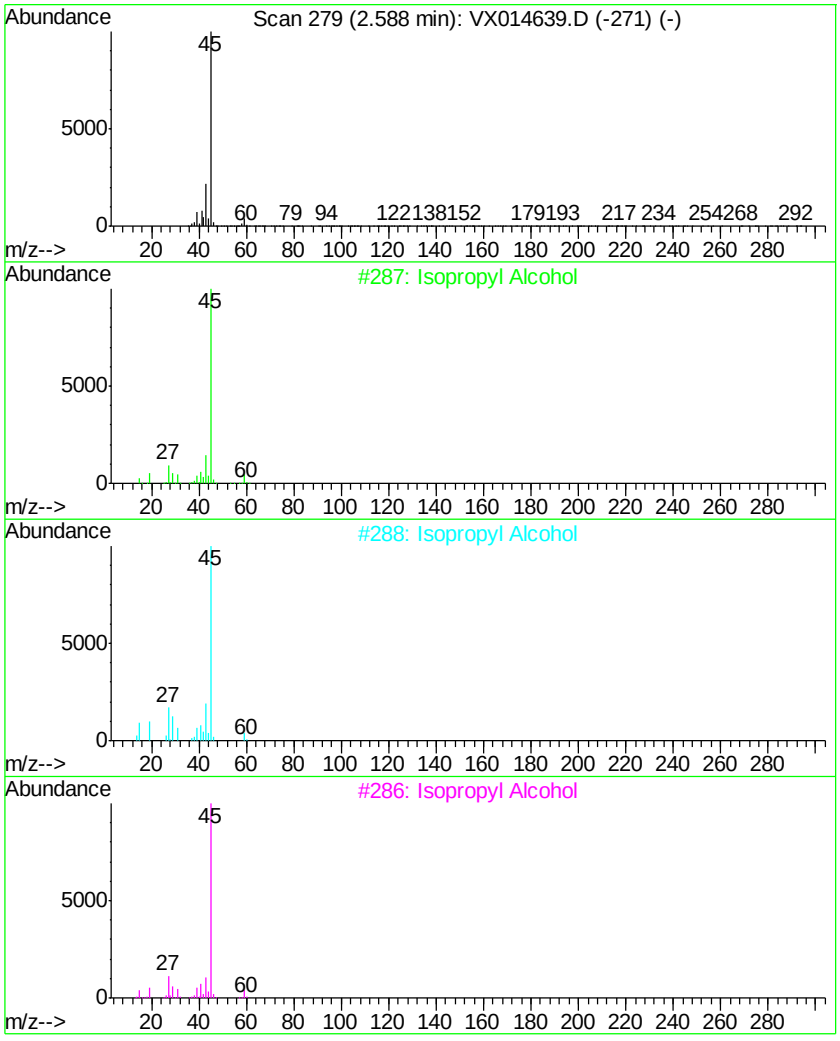
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

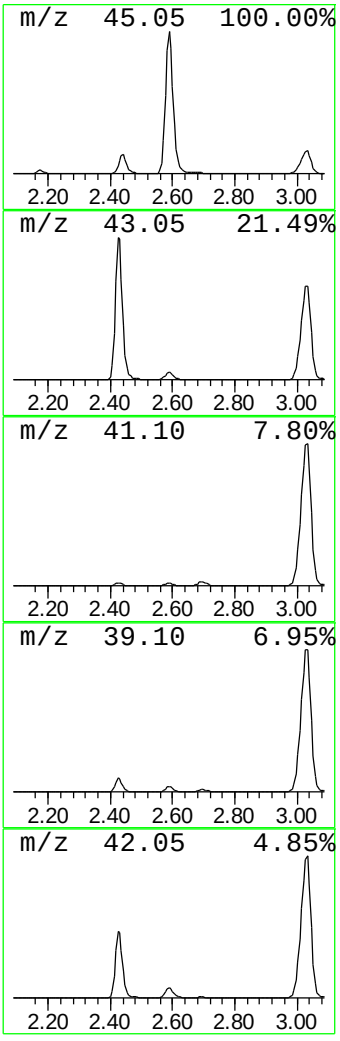
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	54.77 ug/l	808528	Bromochloromethane	5.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	86
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	83
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
4	Ethylamine	45	C2H7N	000075-04-7	5
5	Formamide	45	CH3NO	000075-12-7	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

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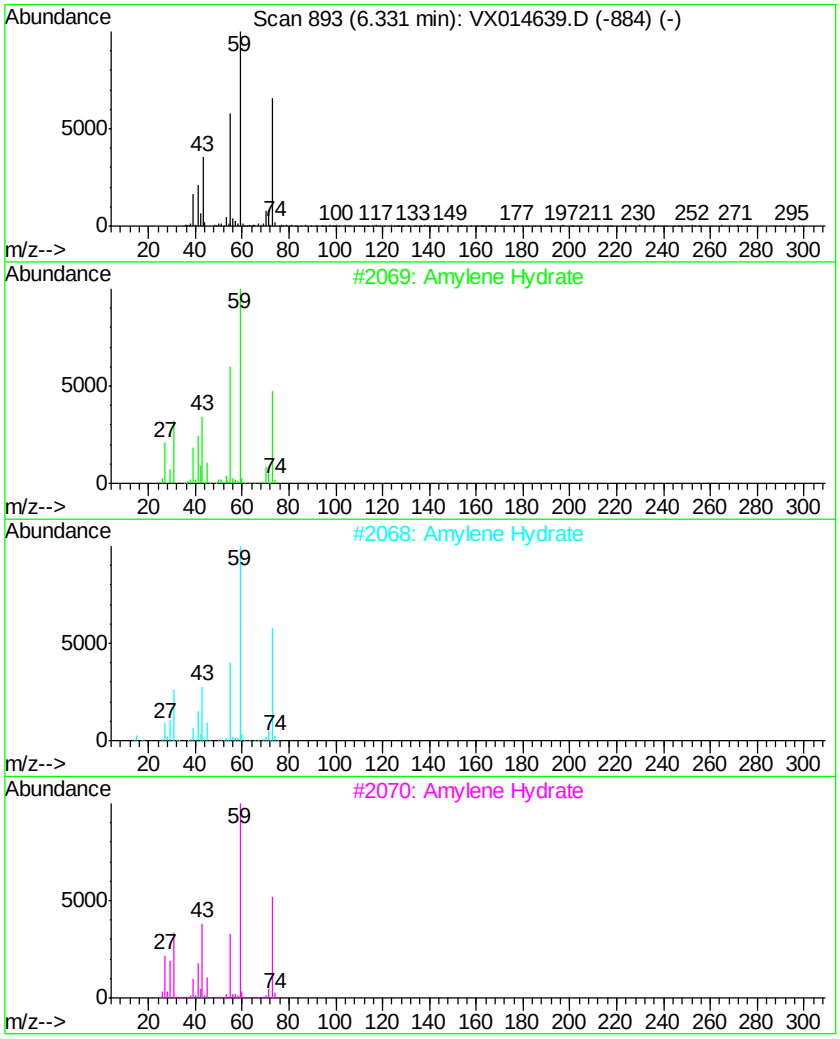
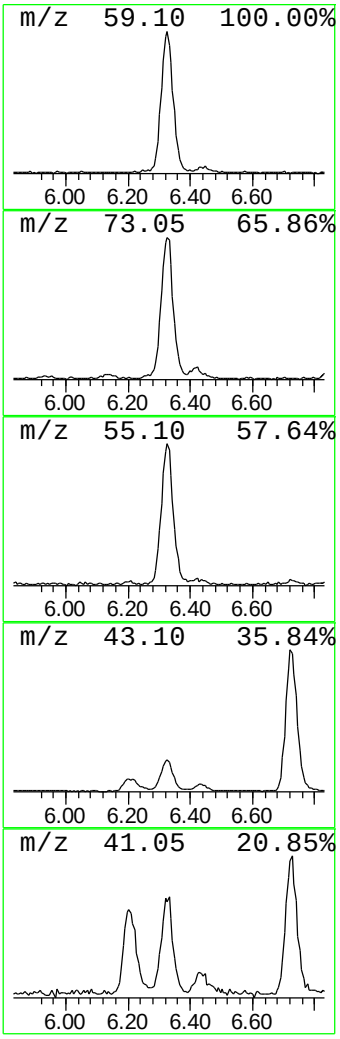
Peak Number 3 Amylene Hydrate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	13.57 ug/l	401365	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	78
2	Amylene Hydrate	88	C5H12O	000075-85-4	72
3	Amylene Hydrate	88	C5H12O	000075-85-4	39
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	33
5	3-Hexanol	102	C6H14O	000623-37-0	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

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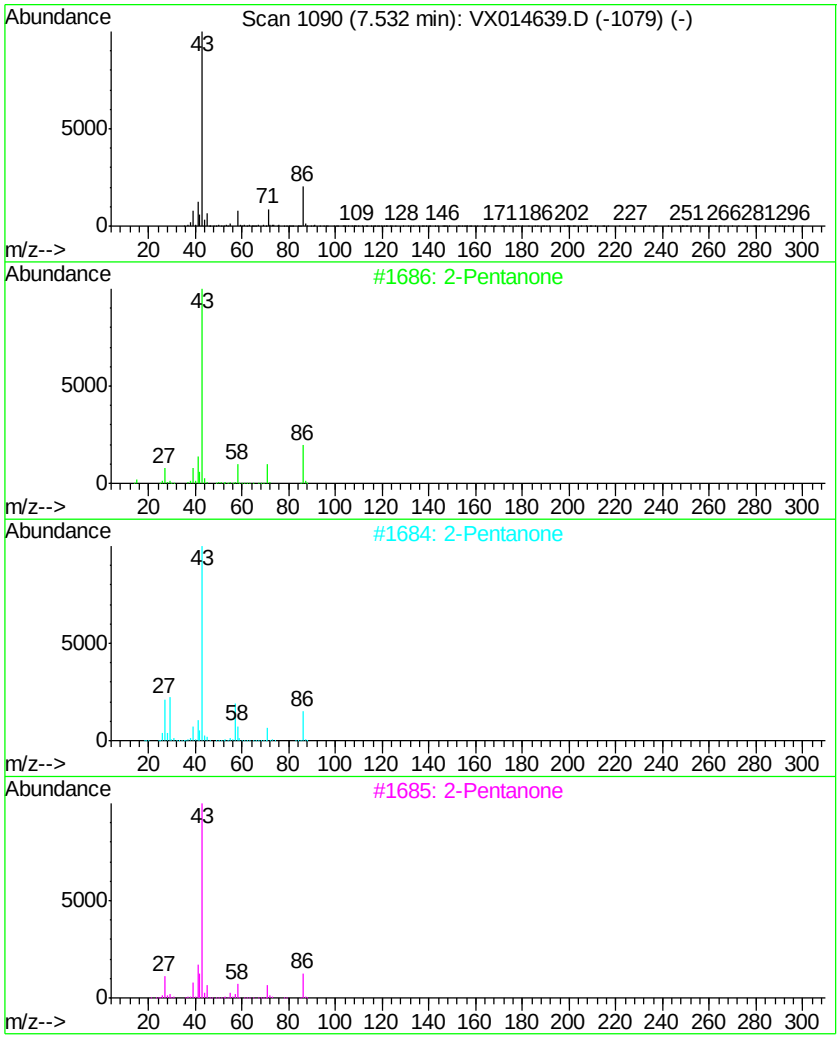
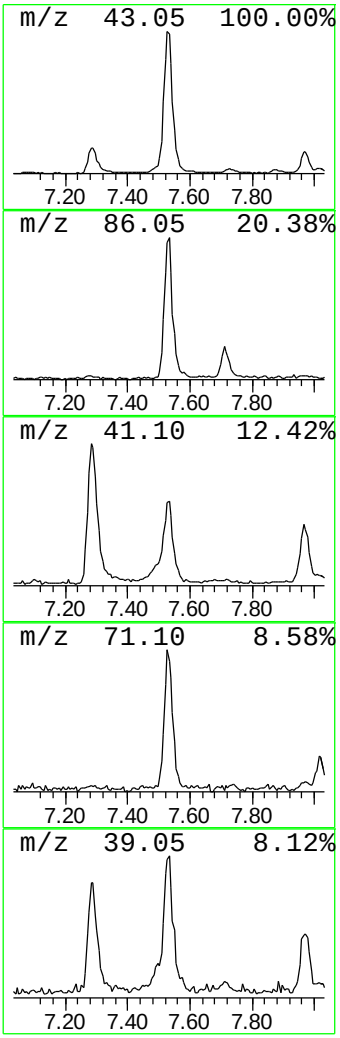
Peak Number 4 2-Pentanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	13.51 ug/l	399848	1,4-Difluorobenzene	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	74
2	2-Pentanone	86	C5H10O	000107-87-9	72
3	2-Pentanone	86	C5H10O	000107-87-9	64
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

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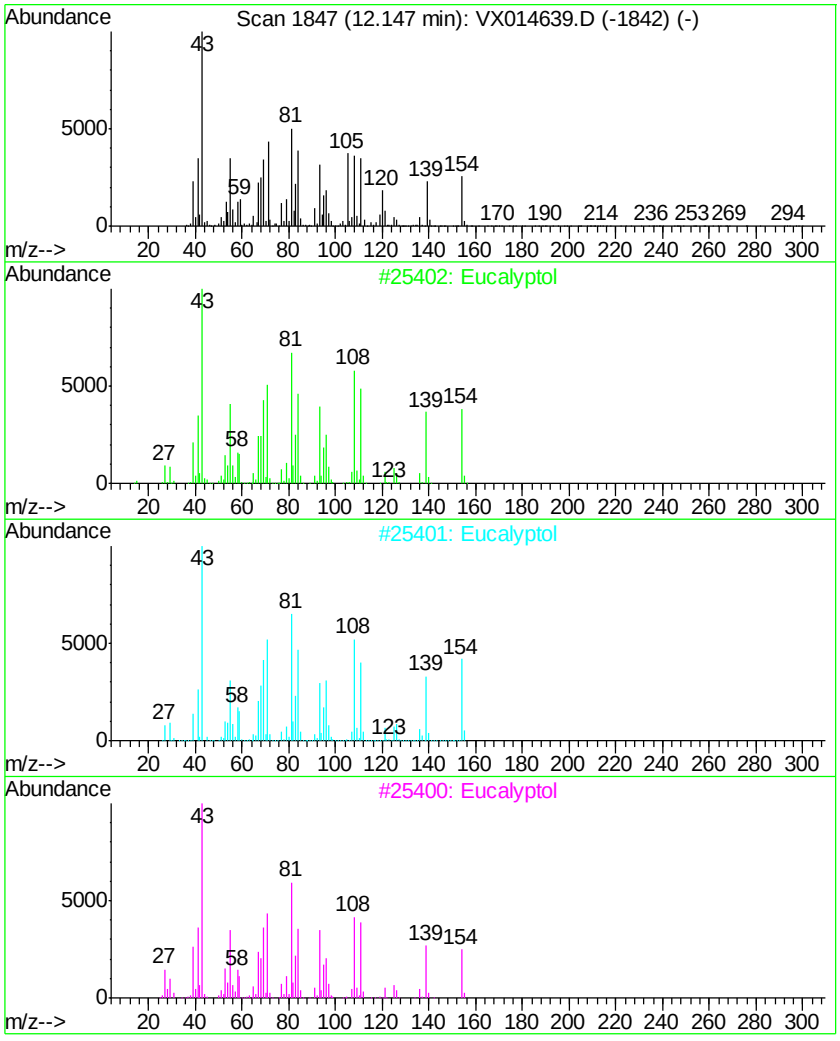
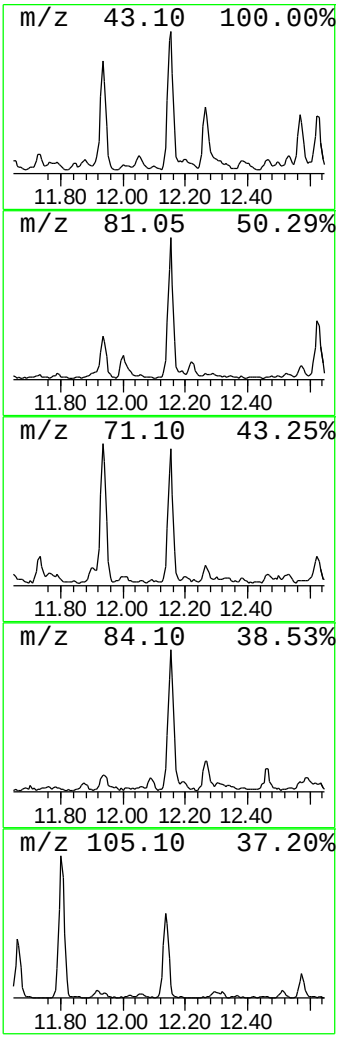
Peak Number 5 Eucalyptol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	14.45 ug/l	695750	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	98
3	Eucalyptol	154	C10H18O	000470-82-6	96
4	Eucalyptol	154	C10H18O	000470-82-6	93
5	Eucalyptol	154	C10H18O	000470-82-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

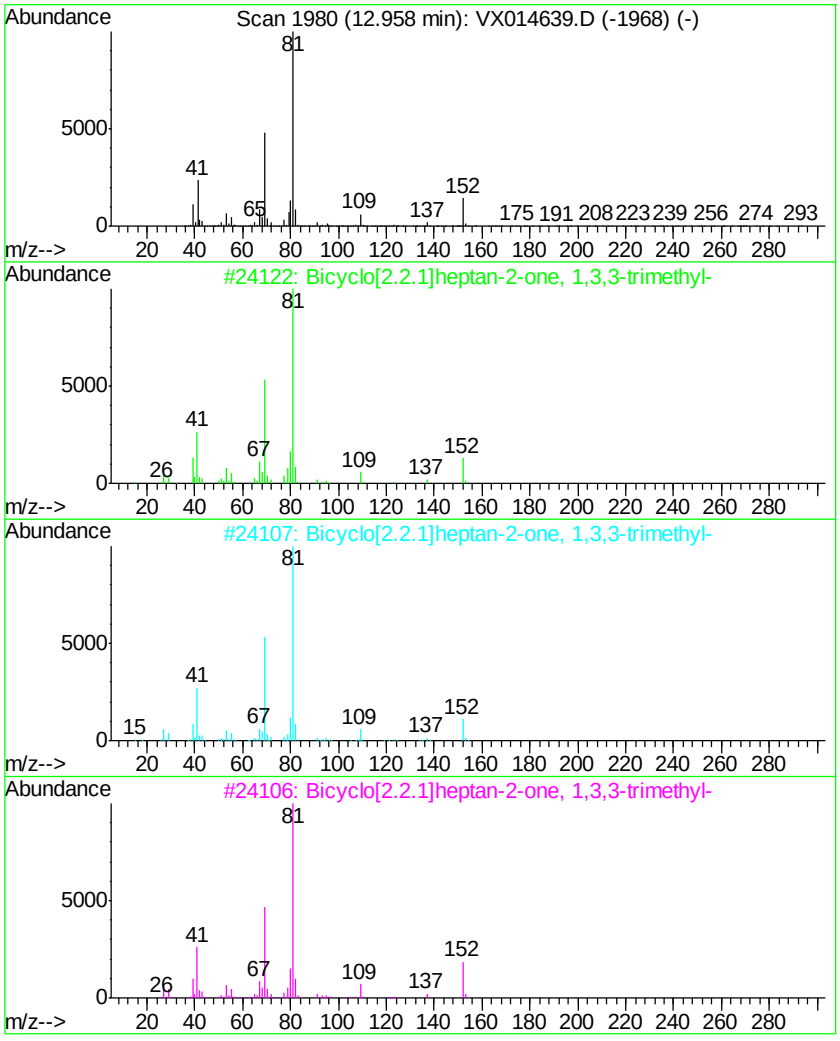
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

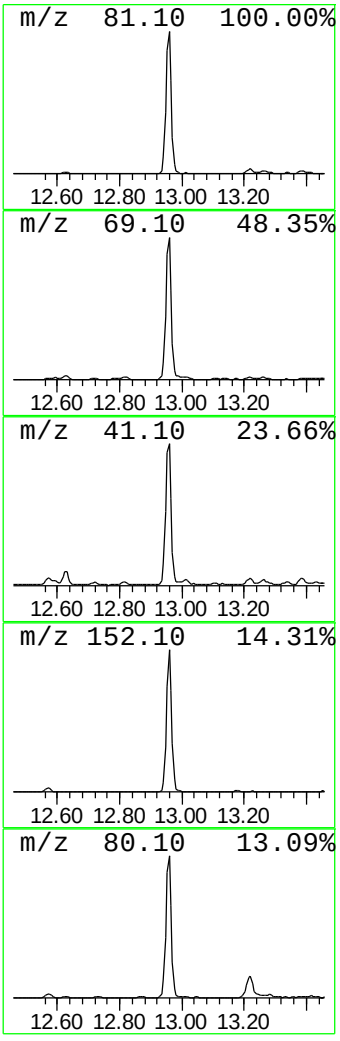
****

Peak Number 6 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	93.25 ug/l	4489060	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	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	004695-62-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

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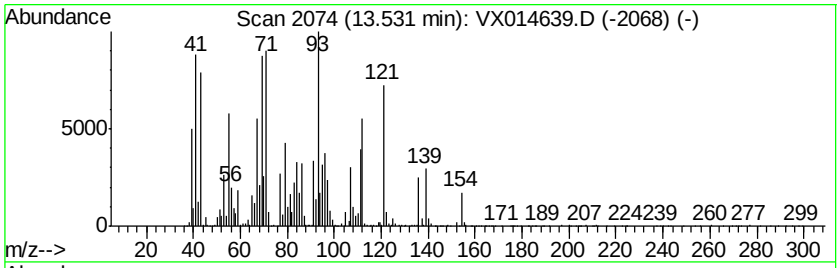
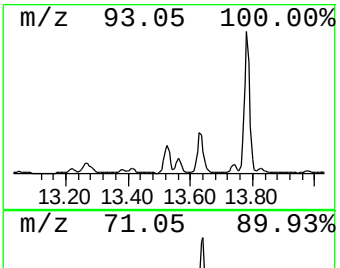
Peak Number 7 Bicyclo[2.2.1]heptane, 2,2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	17.95 ug/l	863874	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	76
2	Camphene	136	C10H16	000079-92-5	74
3	Bicyclo[3.1.0]hexan-2-ol, 2-meth...	154	C10H18O	015537-55-0	49
4	trans-Sabinenehydrate	154	C10H18O	1000121-97-3	49
5	cis-Sabinenehydrate	154	C10H18O	015826-82-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

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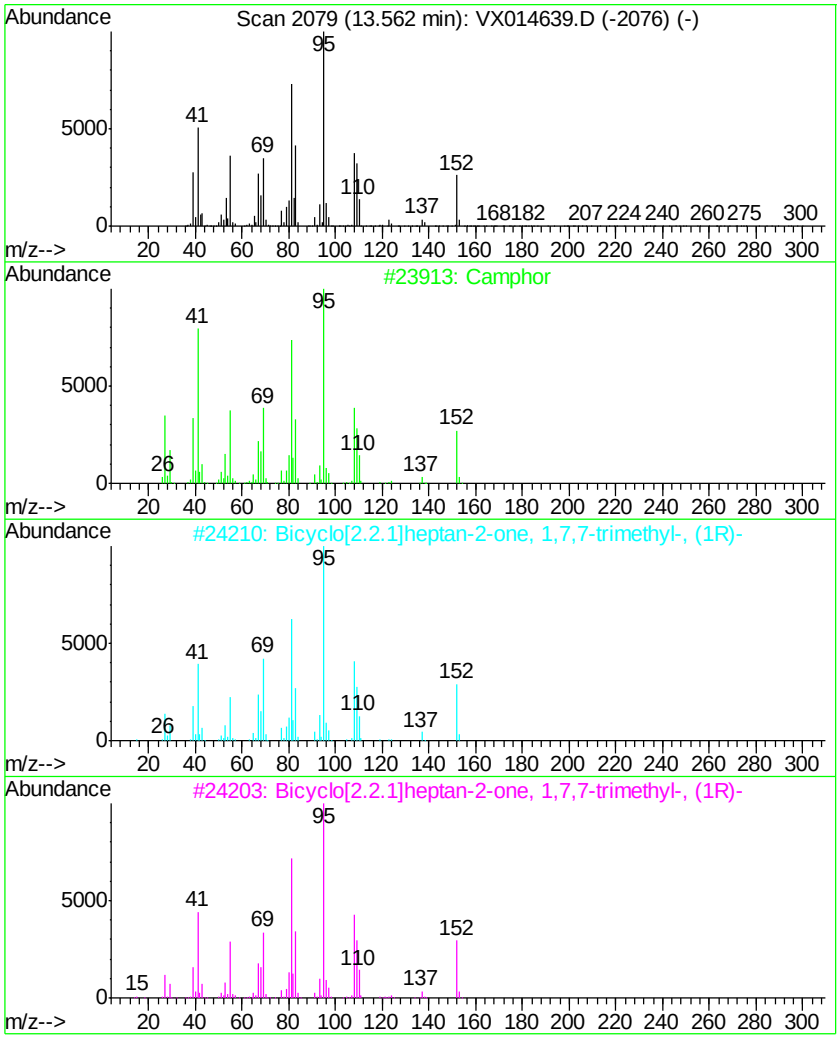
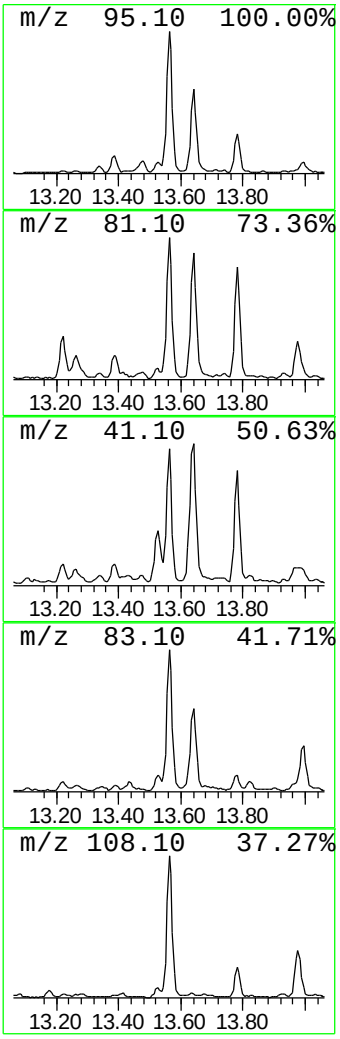
Peak Number 8 Camphor Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	30.48 ug/l	1467150	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	98
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97
4	Camphor	152	C10H16O	000076-22-2	97
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

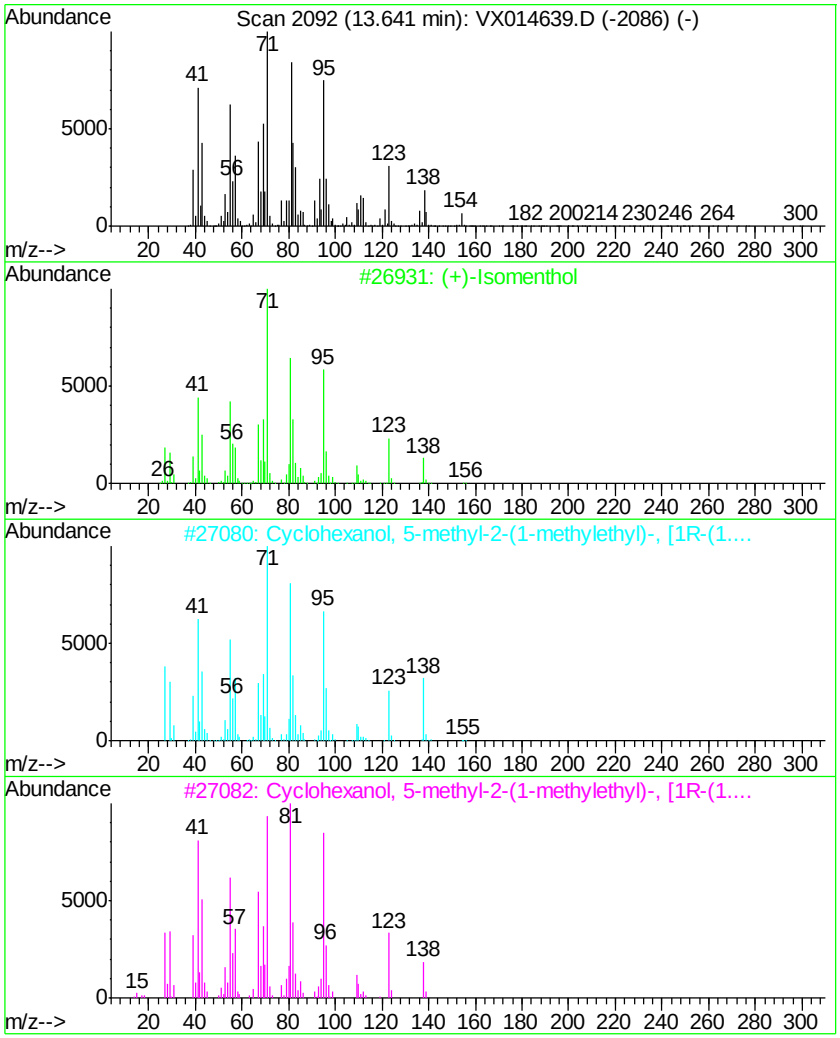
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

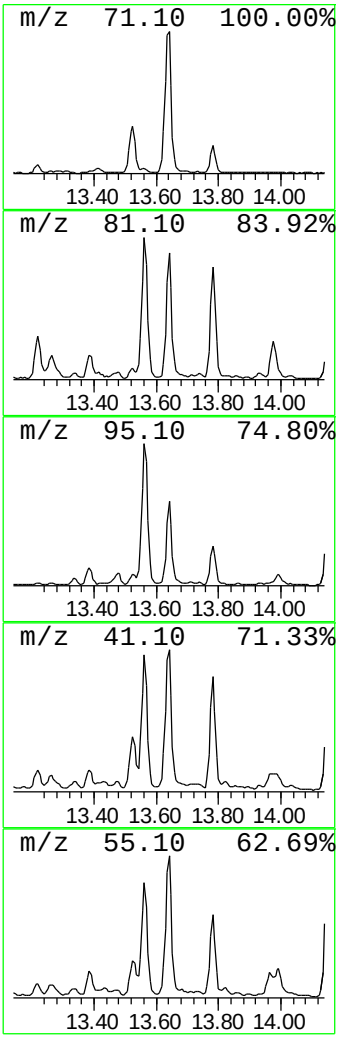
****

Peak Number 9 (+)-Isomenthol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	45.52 ug/l	2191420	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-Isomenthol	156	C10H20O	1000152-08-3	96
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-51-5	91
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-51-5	91
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	91
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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

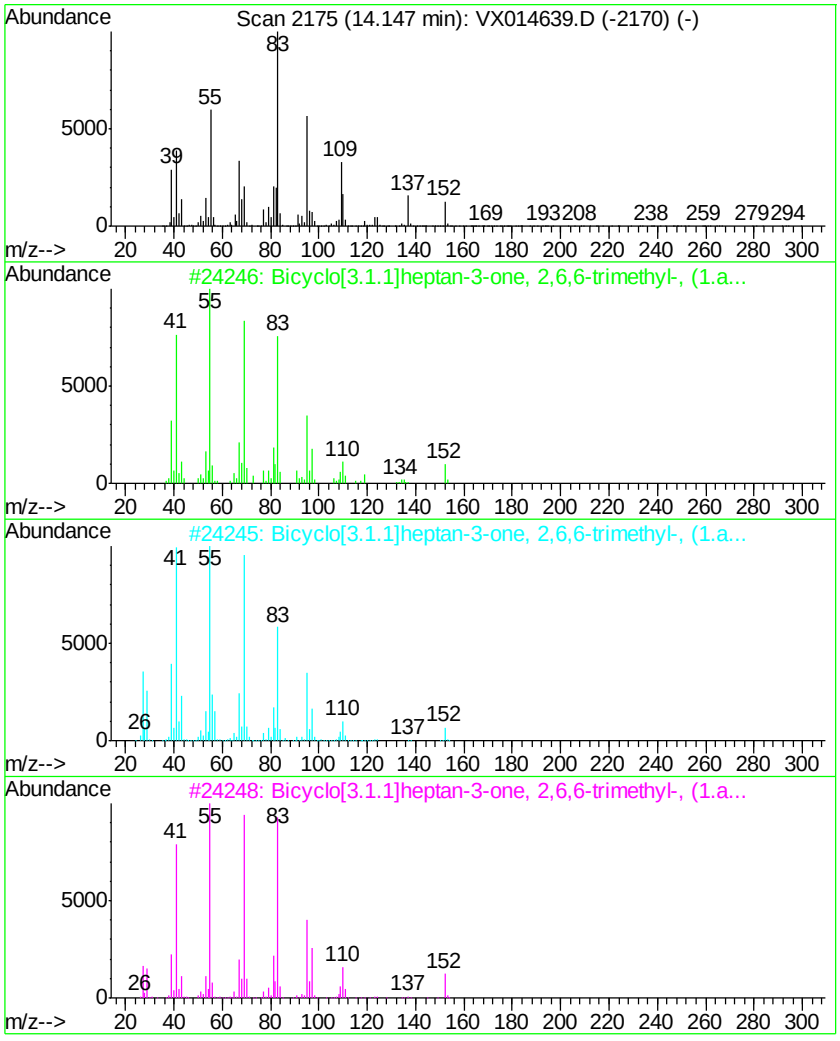
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

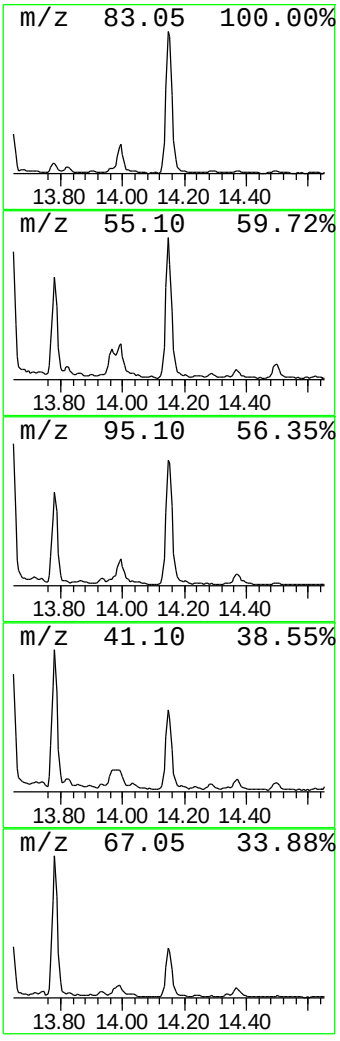
****

Peak Number 10 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	21.59 ug/l	1039140	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	74
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	64
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	58
4	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	30
5	1,2-Dimethyl-4-oxocyclohex-2-ene...	152	C9H12O2	1000187-01-2	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011620\
Data File : VX014639.D
Acq On : 16 Jan 2020 15:34
Operator : JC/SP
Sample : L1159-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 4001157623

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
Isopropyl Alcohol	2.59	54.8	ug/l	808528	1	5.01	442885	30.0
Amylene Hydrate	6.33	13.6	ug/l	401365	2	6.85	887586	30.0
2-Pentanone	7.53	13.5	ug/l	399848	2	6.85	887586	30.0
Eucalyptol	12.15	14.4	ug/l	695750	3	10.11	1444190	30.0
Bicyclo[2.2.1]hep...	12.96	93.3	ug/l	4489060	3	10.11	1444190	30.0
Bicyclo[2.2.1]hep...	13.53	17.9	ug/l	863874	3	10.11	1444190	30.0
Camphor	13.56	30.5	ug/l	1467150	3	10.11	1444190	30.0
(+)-Isomenthol	13.64	45.5	ug/l	2191420	3	10.11	1444190	30.0
Bicyclo[3.1.1]hep...	14.15	21.6	ug/l	1039140	3	10.11	1444190	30.0