LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070220\
Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

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\624X062520W.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	2.416	211	218	236	rBV	6115769	10525629	100.00%	39.887%
2	2.581	237	245	265	rVV	3910371	7110293	67.55%	26.944%
3	4.983	628	639	650	rBV3	90540	265523	2.52%	1.006%
4	6.037	801	812	825	rBV	88814	237762	2.26%	0.901%
5	6.830	930	942	975	rBV4	305679	1739174	16.52%	6.591%
6	7.147	989	994	1011	rVB	64048	203848	1.94%	0.772%
7	8.695	1241	1248	1254	rVV	423698	647175	6.15%	2.452%
8	8.769	1254	1260	1270	rVB	1057998	1641983	15.60%	6.222%
9	10.098	1472	1478	1487	rVB	425168	571223	5.43%	2.165%
10	10.579	1546	1557	1566	rBV	189083	248929	2.36%	0.943%
11	11.122	1638	1646	1658	rVB	359393	460974	4.38%	1.747%
12	11.549	1712	1716	1722	rVB	100443	126825	1.20%	0.481%
13	11.927	1773	1778	1785	rVB2	83564	130143	1.24%	0.493%
14	12.140	1807	1813	1819	rBV3	261557	407443	3.87%	1.544%
15	13.378	2010	2016	2029	rBV	1474644	1794162	17.05%	6.799%
16	13.548	2036	2044	2051	rBV2	98506	157673	1.50%	0.598%
17	14.835	2251	2255	2262	rBV	90845	119965	1.14%	0.455%

Sum of corrected areas: 26388724

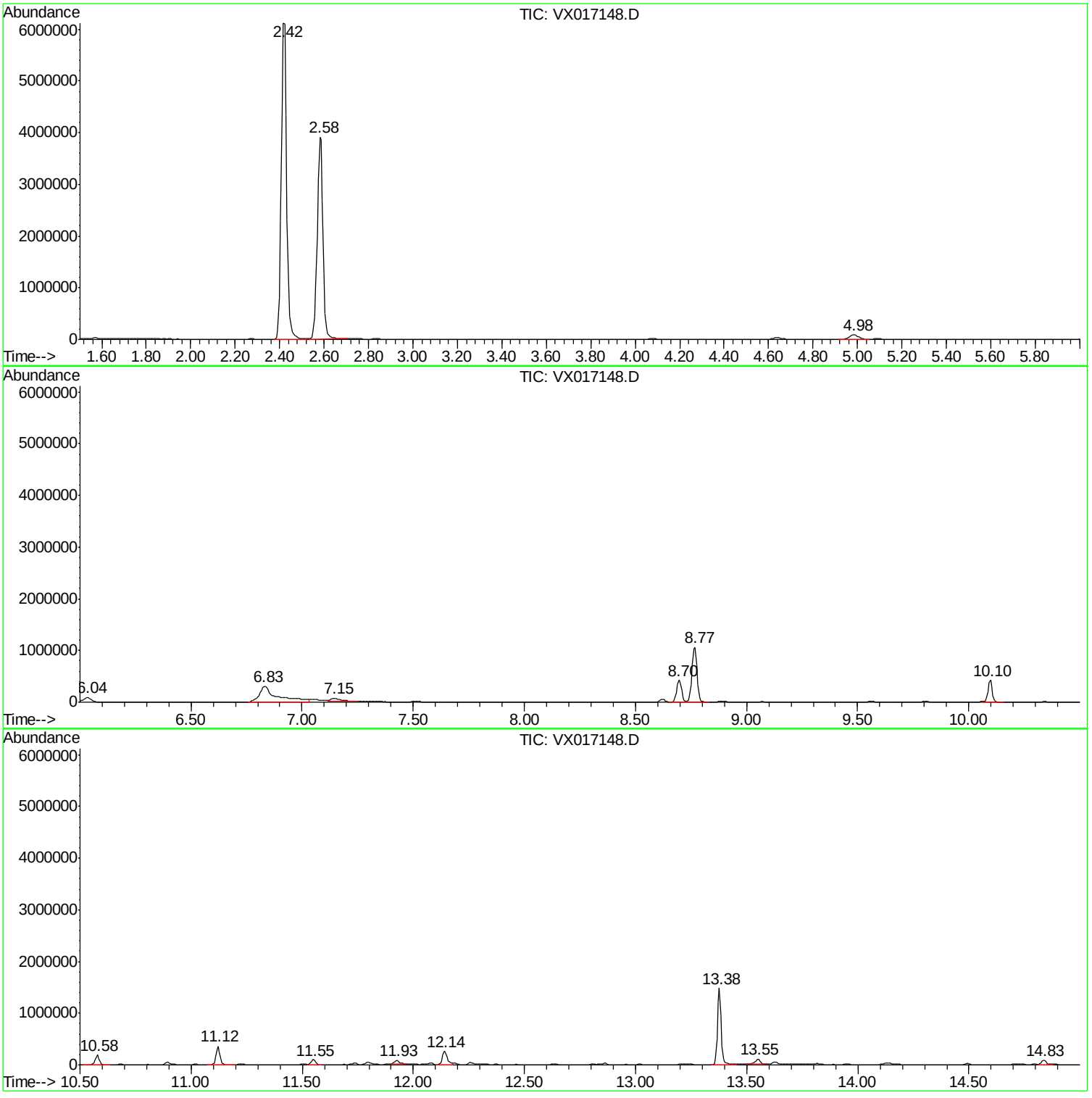
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070220\
Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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



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Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

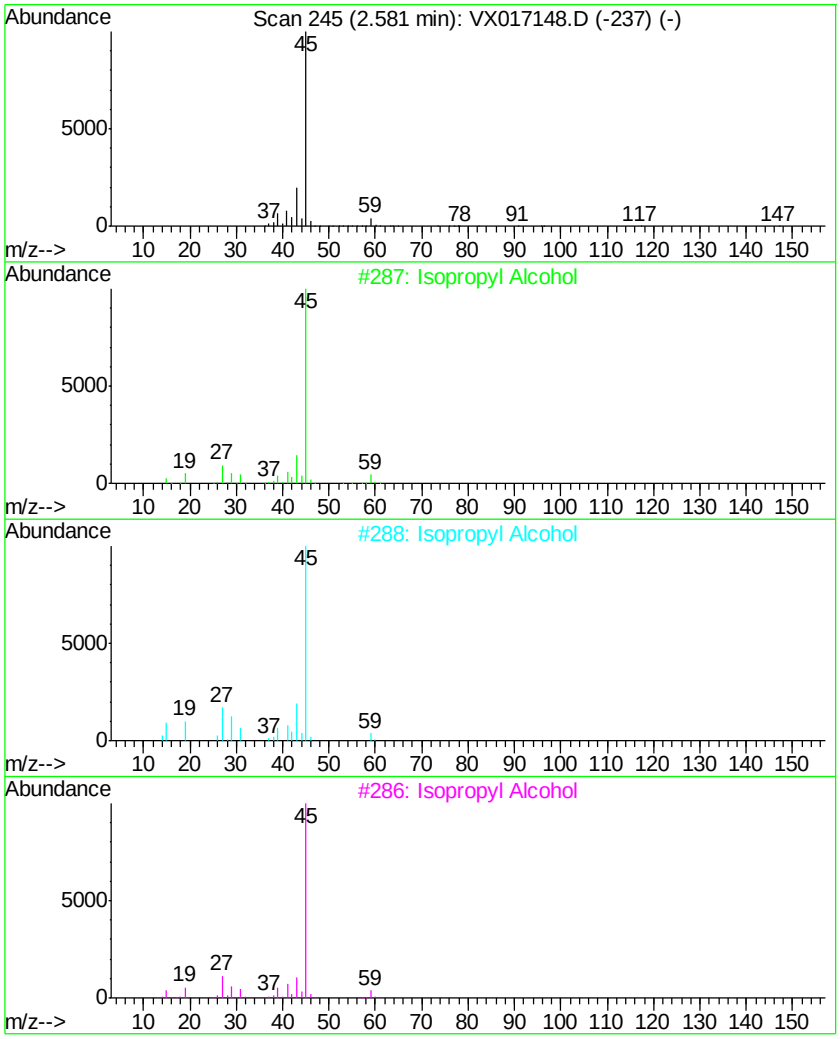
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

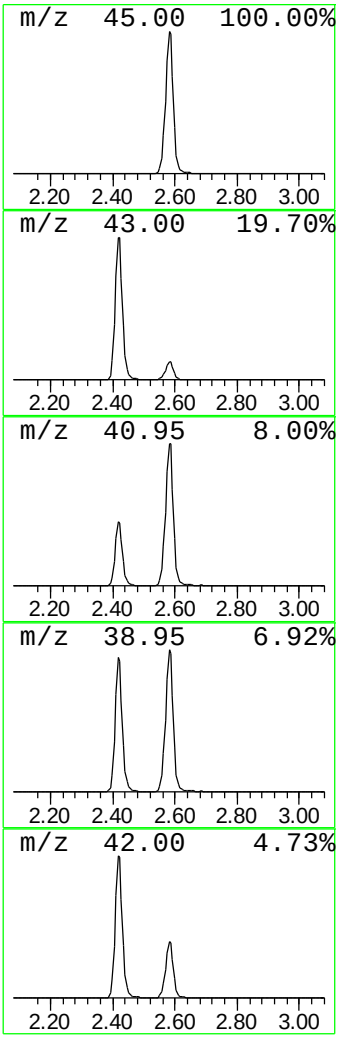
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.58	803.35 ug/l	7110290	Bromochloromethane	4.98

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	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	9
5	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9





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Data File : VX017148.D
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Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

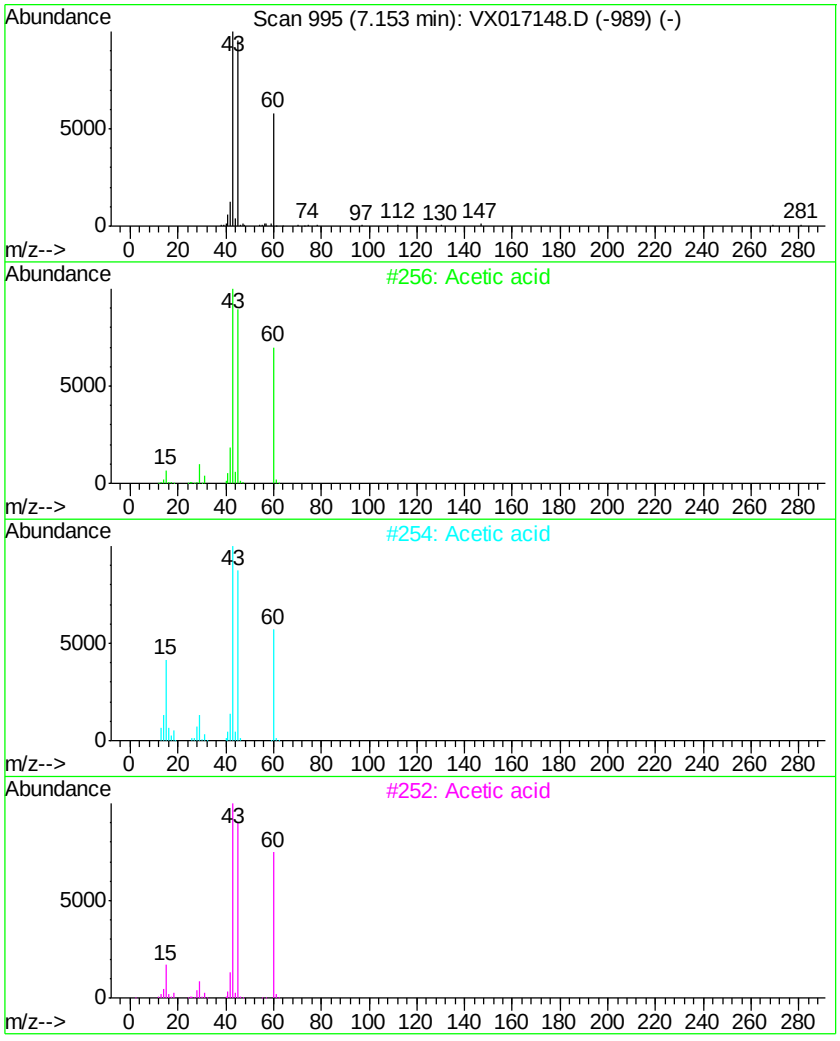
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

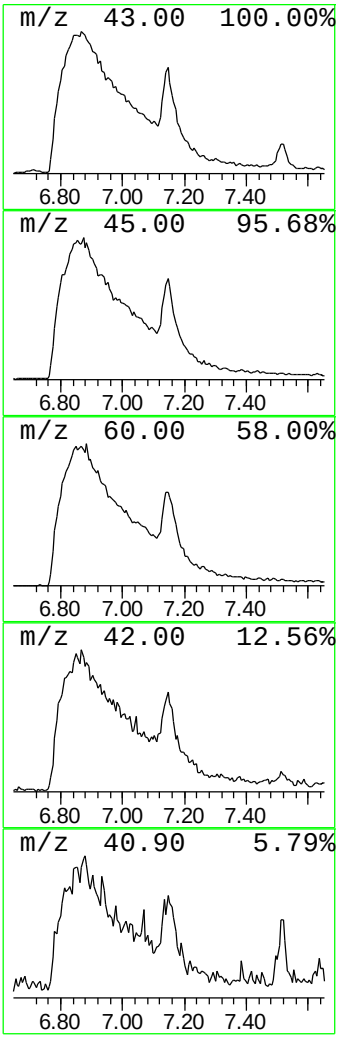
****

Peak Number 2 Acetic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	3.52 ug/l	203848	1,4-Difluorobenzene	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Acetic acid	60	C2H4O2	000064-19-7	90
3	Acetic acid	60	C2H4O2	000064-19-7	78
4	Acetic acid	60	C2H4O2	000064-19-7	72
5	Acetic acid, anhydride with form...	88	C3H4O3	002258-42-6	64





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Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

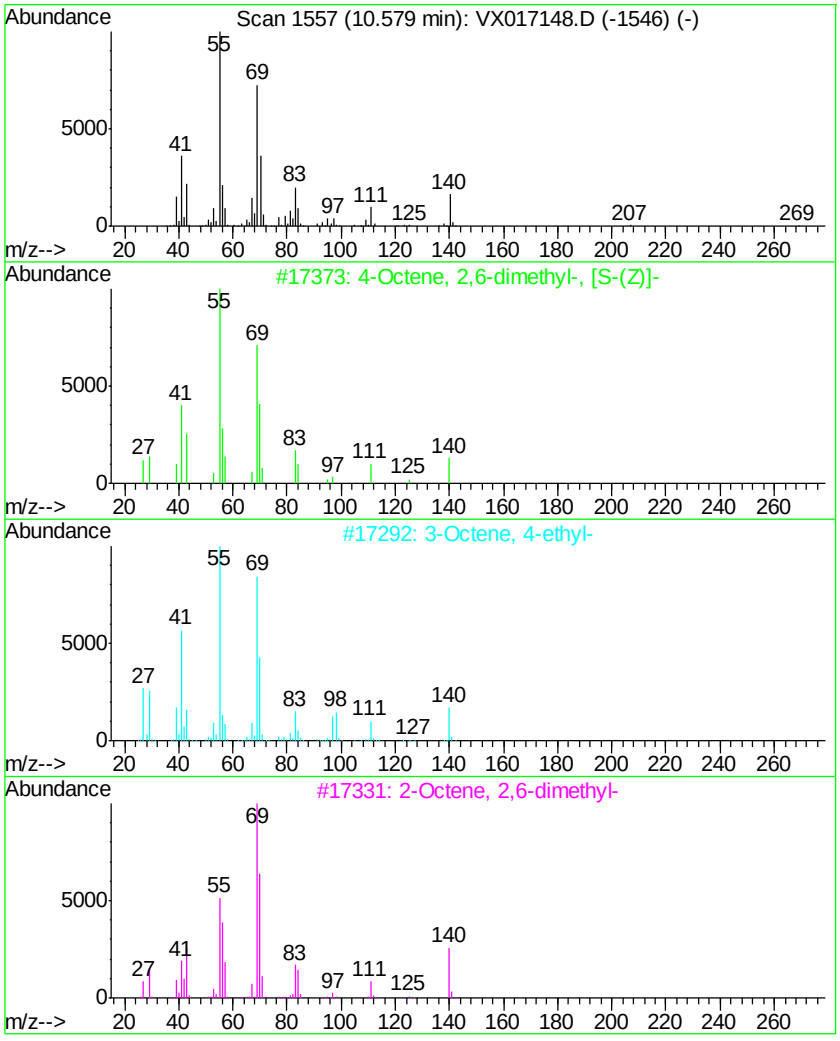
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

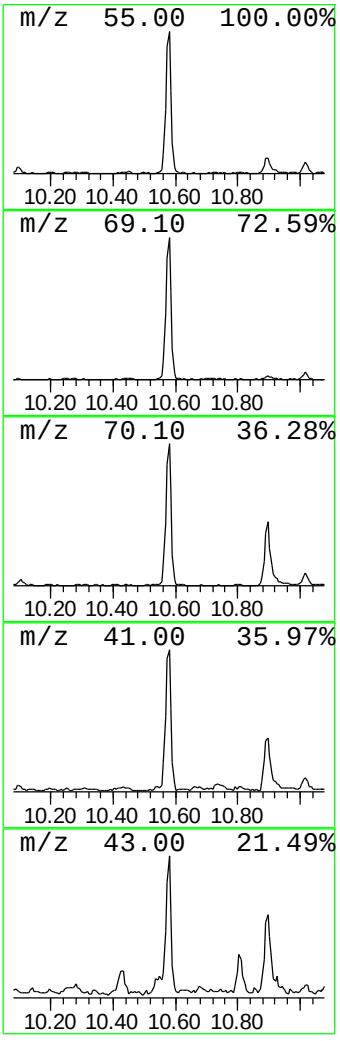
****

Peak Number 3 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	13.07 ug/l	248929	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	87
2	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	76
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	53
5	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	52





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

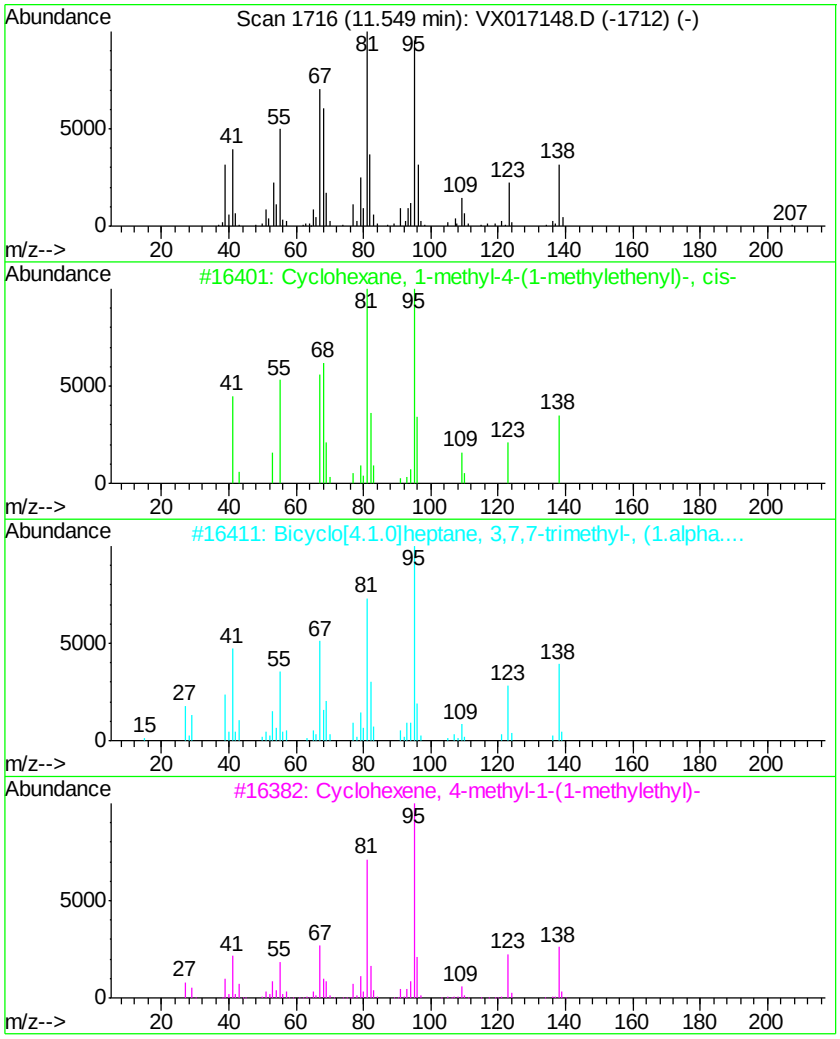
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

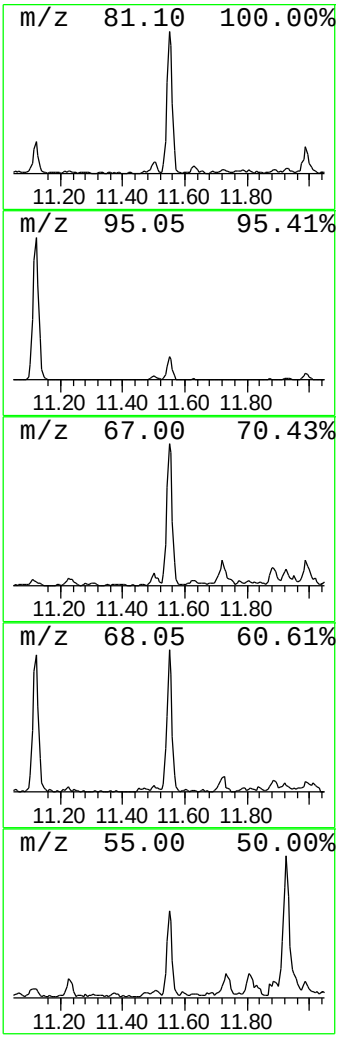
****

Peak Number 4 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	6.66 ug/l	126825	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	95
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	94
3	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	90
4	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	90
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	90





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Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

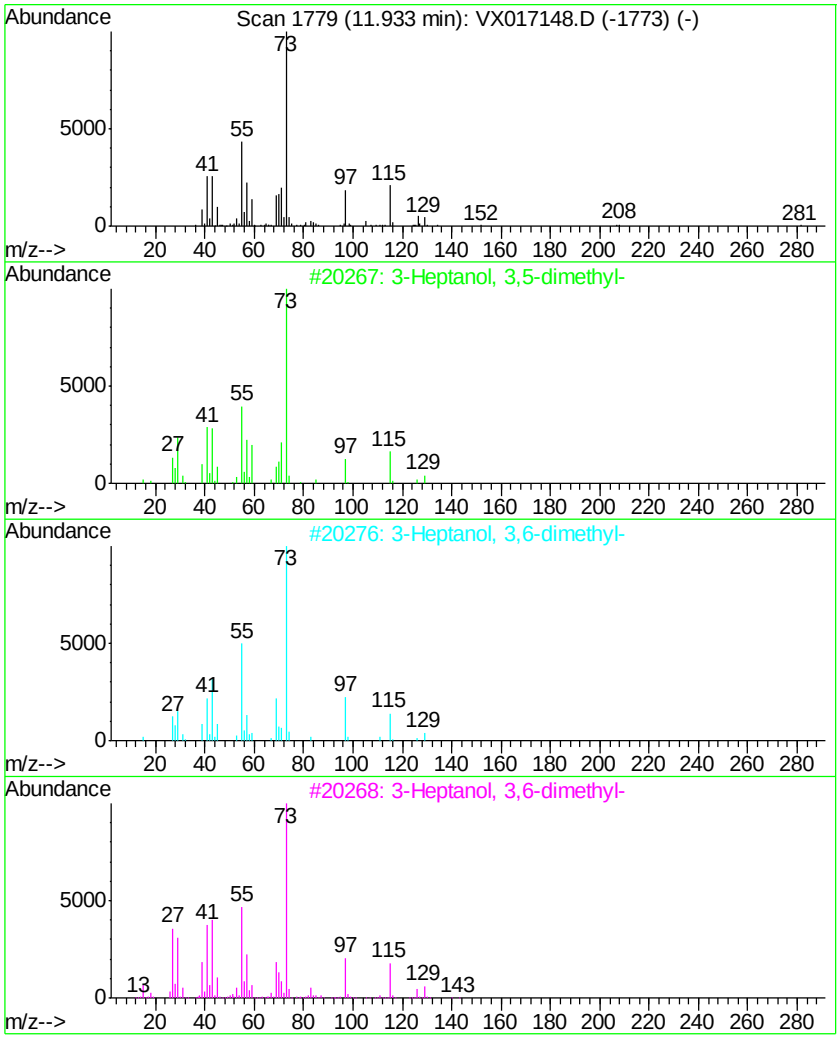
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

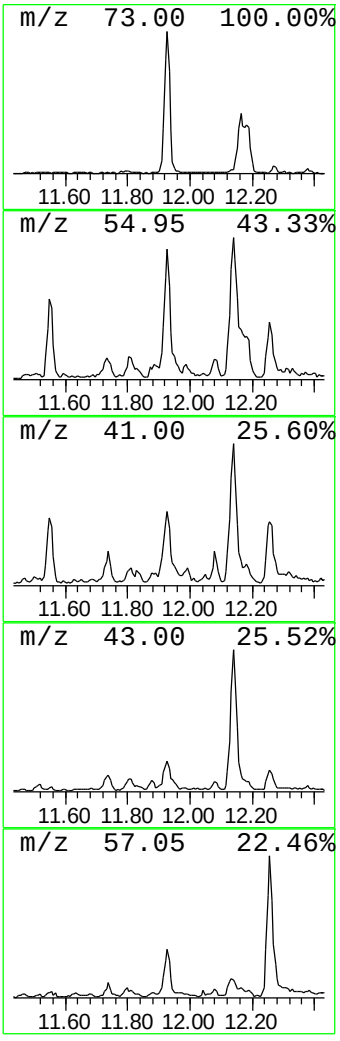
****

Peak Number 5 3-Heptanol, 3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.83 ug/l	130143	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-74-7	72
2	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	53
3	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	50
4	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	32
5	1,2-Butanediol, 1-(2-furyl)-3-me...	170	C9H14O3	021221-66-9	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070220\
Data File : VX017148.D
Acq On : 02 Jul 2020 15:09
Operator : JC/SP
Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

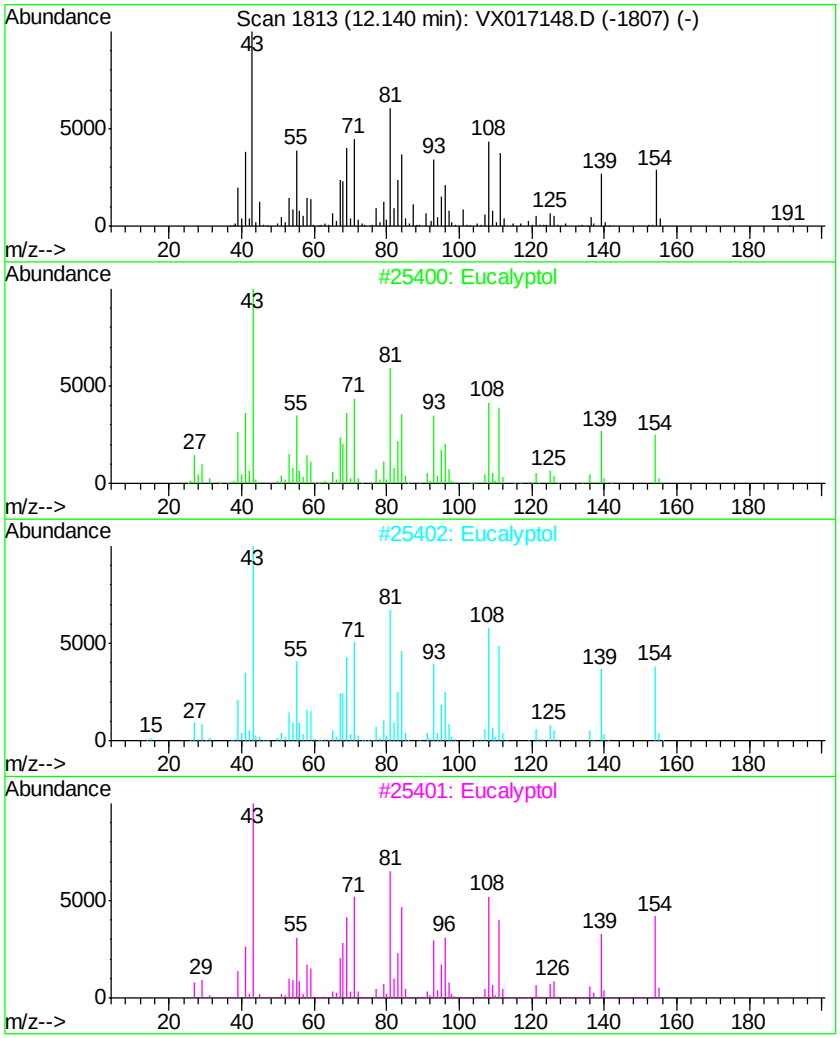
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

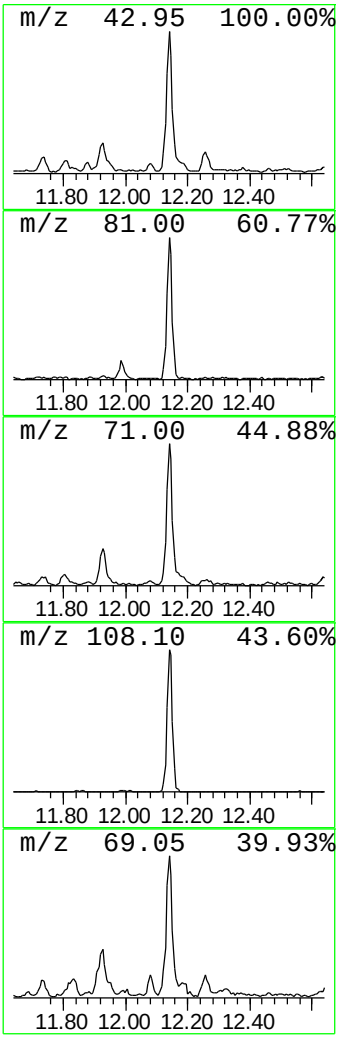
****

Peak Number 6 Eucalyptol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	21.40 ug/l	407443	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	99
2	Eucalyptol	154	C10H18O	000470-82-6	99
3	Eucalyptol	154	C10H18O	000470-82-6	96
4	Eucalyptol	154	C10H18O	000470-82-6	90
5	Eucalyptol	154	C10H18O	000470-82-6	81





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Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

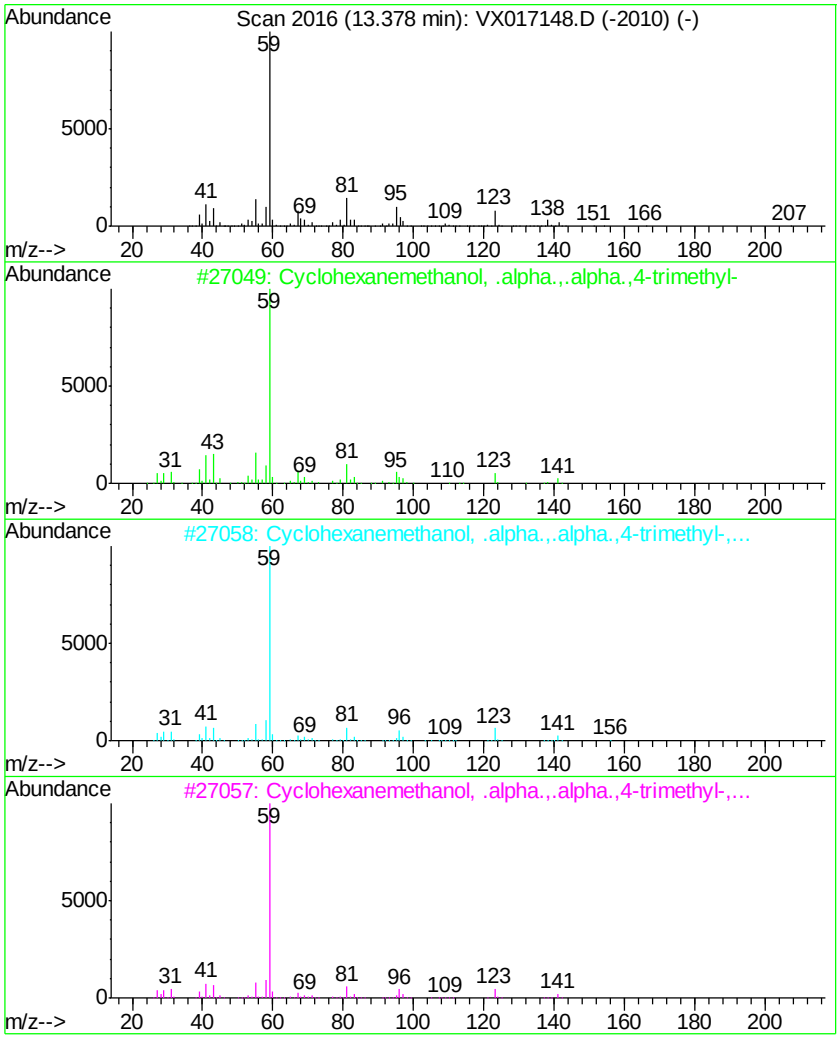
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

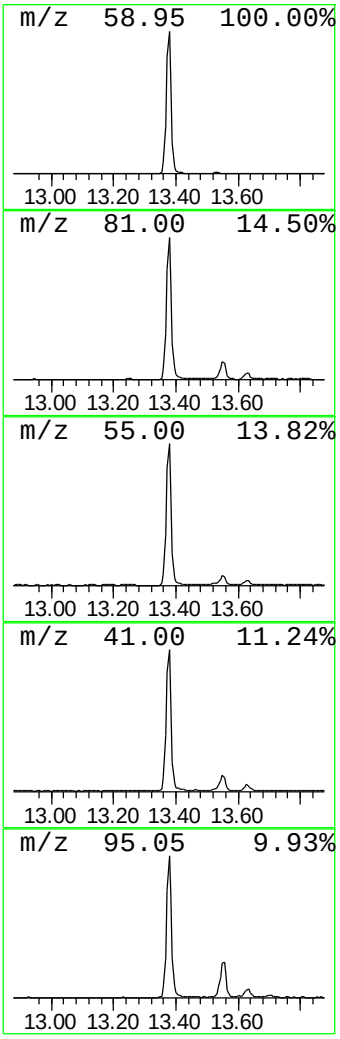
****

Peak Number 7 Cyclohexanemethanol, .alpha... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	94.23 ug/l	1794160	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	72
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	72
4	2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	59
5	2,4-Dimethyl-4-penten-2-ol	114	C7H14O	019781-53-4	59





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Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

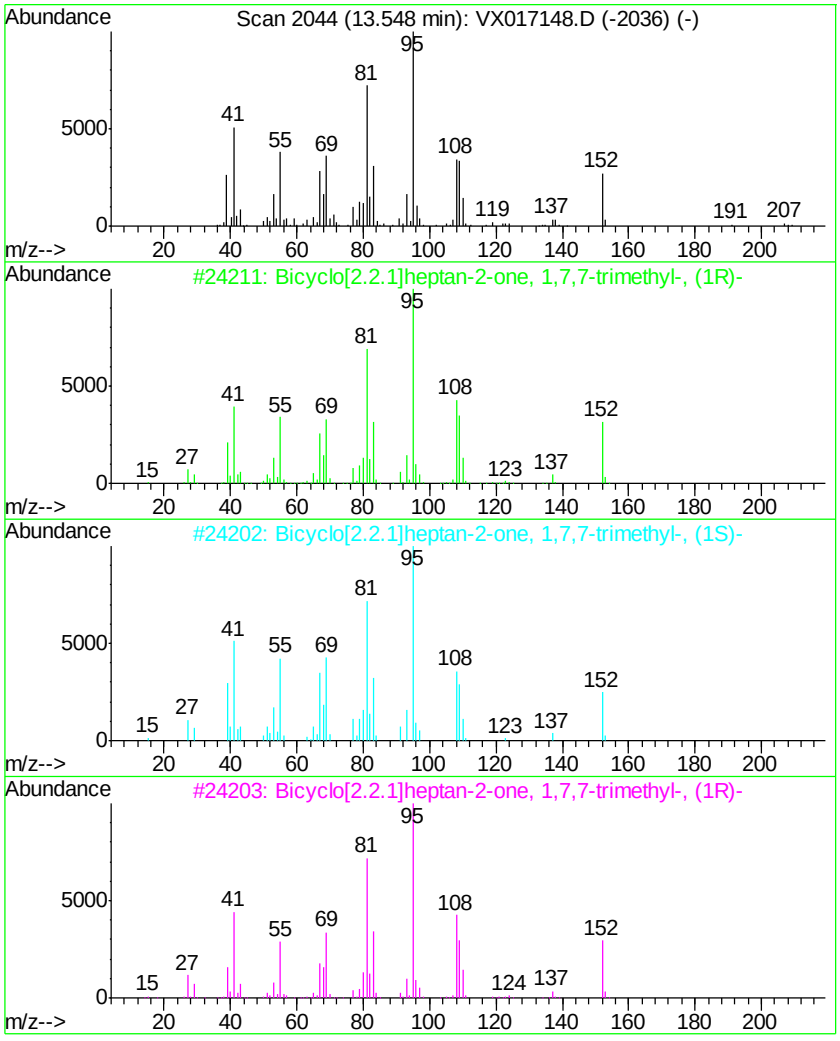
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

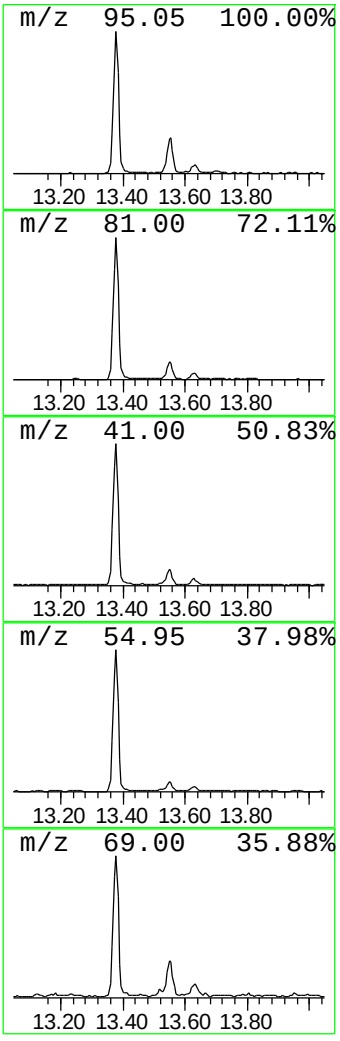
****

Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	8.28 ug/l	157673	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	96
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	96
5	Camphor	152	C10H16O	000076-22-2	96





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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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

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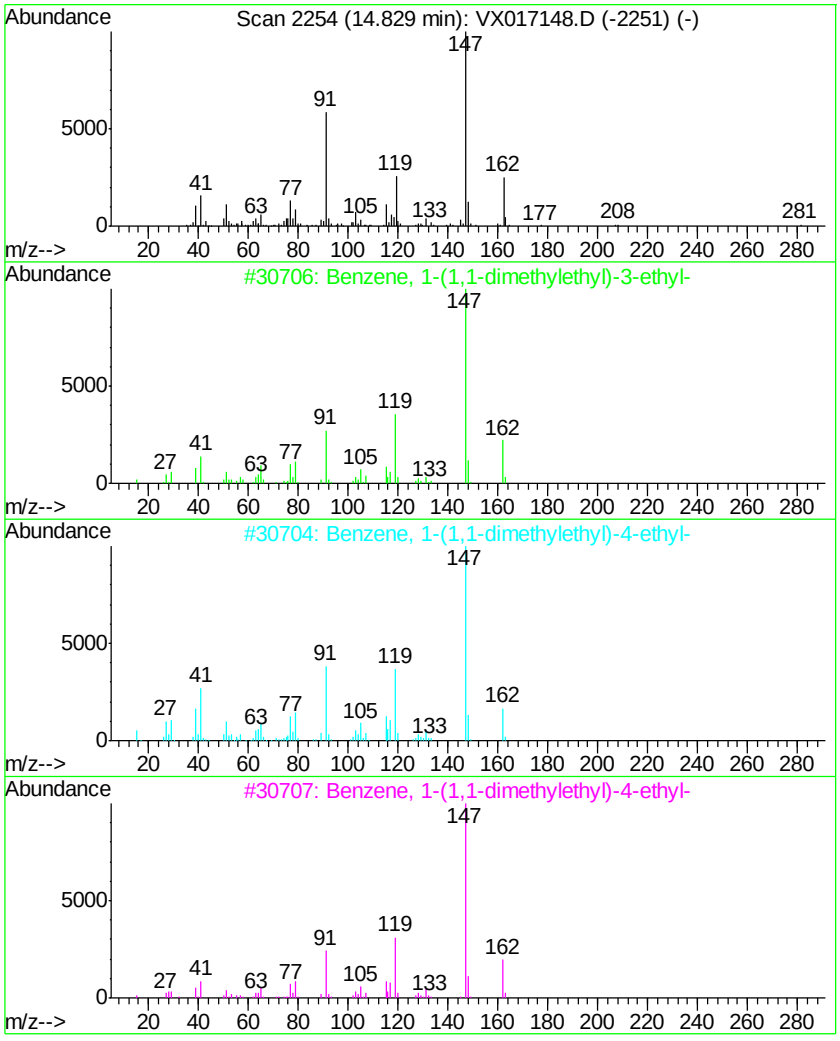
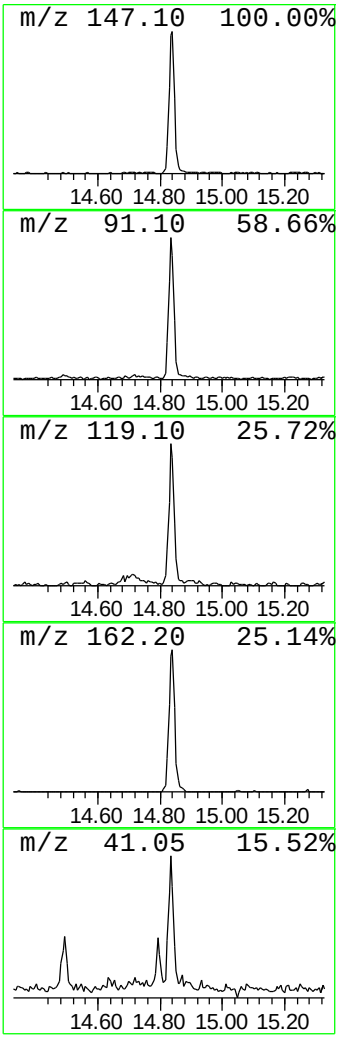
Peak Number 9 Benzene, 1-(1,1-dimethyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	6.30 ug/l	119965	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	014411-56-4	87
2	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	86
3	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	83
4	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	83
5	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070220\
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Acq On : 02 Jul 2020 15:09
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Sample : L3200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002-35TH-AVE-(JULY)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X062520W.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	2.58	803.4	ug/l	7110290	1	4.98	265523	30.0
Acetic acid	7.15	3.5	ug/l	203848	2	6.83	1739170	30.0
4-Octene, 2,6-dim...	10.58	13.1	ug/l	248929	3	10.10	571223	30.0
Cyclohexane, 1-me...	11.55	6.7	ug/l	126825	3	10.10	571223	30.0
3-Heptanol, 3,5-d...	11.93	6.8	ug/l	130143	3	10.10	571223	30.0
Eucalyptol	12.14	21.4	ug/l	407443	3	10.10	571223	30.0
Cyclohexanemethan...	13.38	94.2	ug/l	1794160	3	10.10	571223	30.0
Bicyclo[2.2.1]hep...	13.55	8.3	ug/l	157673	3	10.10	571223	30.0
Benzene, 1-(1,1-d...	14.83	6.3	ug/l	119965	3	10.10	571223	30.0