LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

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\624X012519W.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	1.587	67	71	73	rBV2	51984	76234	1.20%	0.390%
2	2.446	205	212	229	rBV	3872285	6374711	100.00%	32.636%
3	2.623	233	241	254	rBV	2629584	4779153	74.97%	24.467%
4	5.019	622	634	649	rBV2	167359	502289	7.88%	2.572%
5	6.068	797	806	819	rBV	169167	436321	6.84%	2.234%
6	6.860	927	936	948	rBV	393311	927174	14.54%	4.747%
7	8.713	1234	1240	1246	rVV	817113	1258990	19.75%	6.446%
8	8.780	1246	1251	1264	rVB	430029	668942	10.49%	3.425%
9	10.109	1464	1469	1480	rVB	766811	1065816	16.72%	5.457%
10	10.591	1541	1548	1555	rBV	581348	734231	11.52%	3.759%
11	11.030	1614	1620	1626	rBV	85724	106937	1.68%	0.547%
12	11.134	1628	1637	1644	rBV	665883	891321	13.98%	4.563%
13	11.719	1727	1733	1736	rBV	76446	112082	1.76%	0.574%
14	11.749	1736	1738	1743	rVV2	54074	66839	1.05%	0.342%
15	11.816	1743	1749	1756	rVB3	54046	111693	1.75%	0.572%
16	11.890	1756	1761	1765	rBV	173686	224677	3.52%	1.150%
17	11.945	1765	1770	1778	rVV2	105051	186019	2.92%	0.952%
18	12.152	1799	1804	1807	rBV3	76887	141662	2.22%	0.725%
19	12.822	1910	1914	1918	rBV2	60816	79190	1.24%	0.405%
20	13.395	2003	2008	2013	rBV	188271	239814	3.76%	1.228%
21	14.188	2125	2138	2149	rBV4	70180	250754	3.93%	1.284%
22	14.401	2168	2173	2181	rBV2	63683	102761	1.61%	0.526%
23	14.487	2183	2187	2194	rBV2	96251	195165	3.06%	0.999%

Sum of corrected areas: 19532775

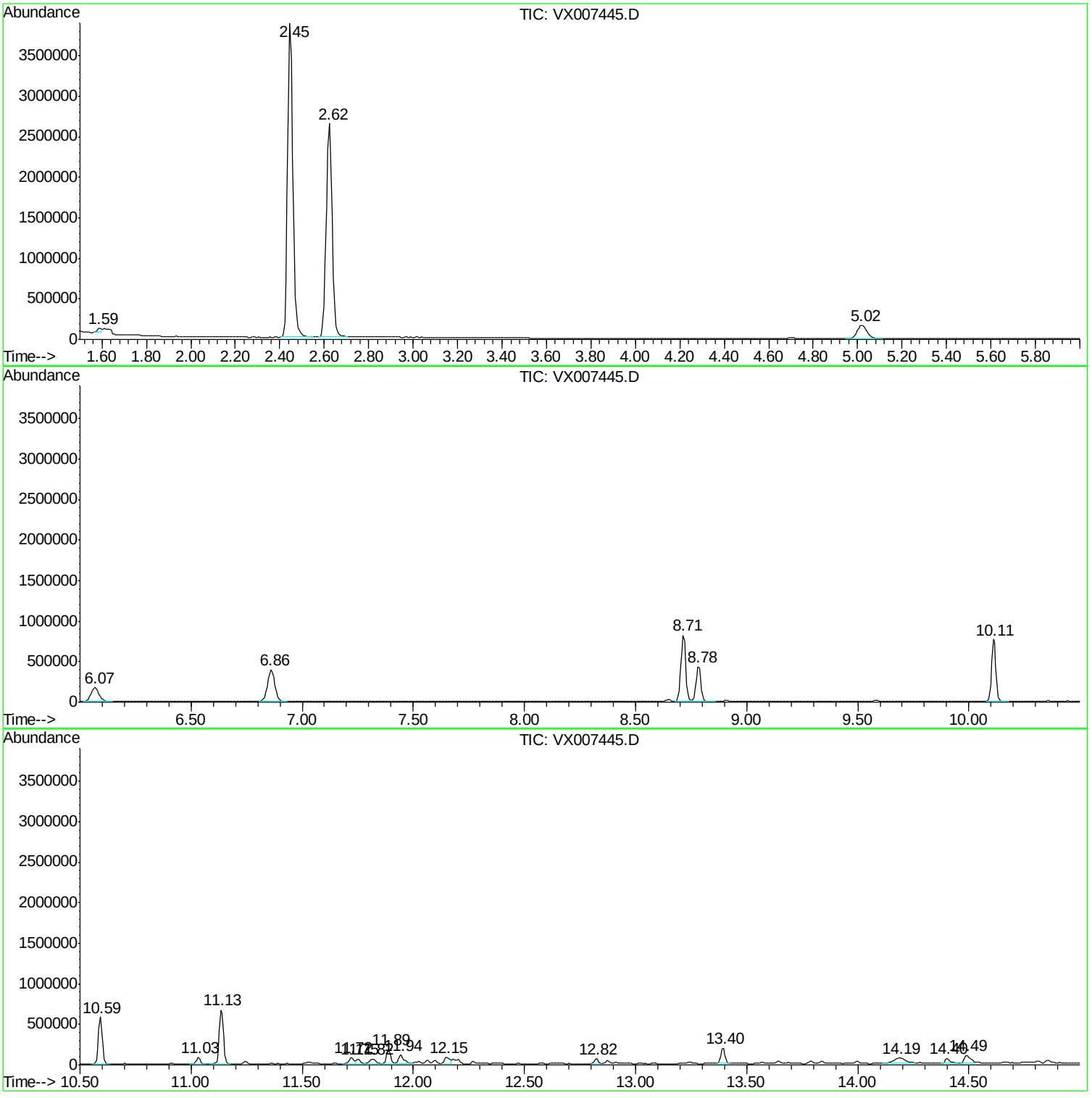
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.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\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

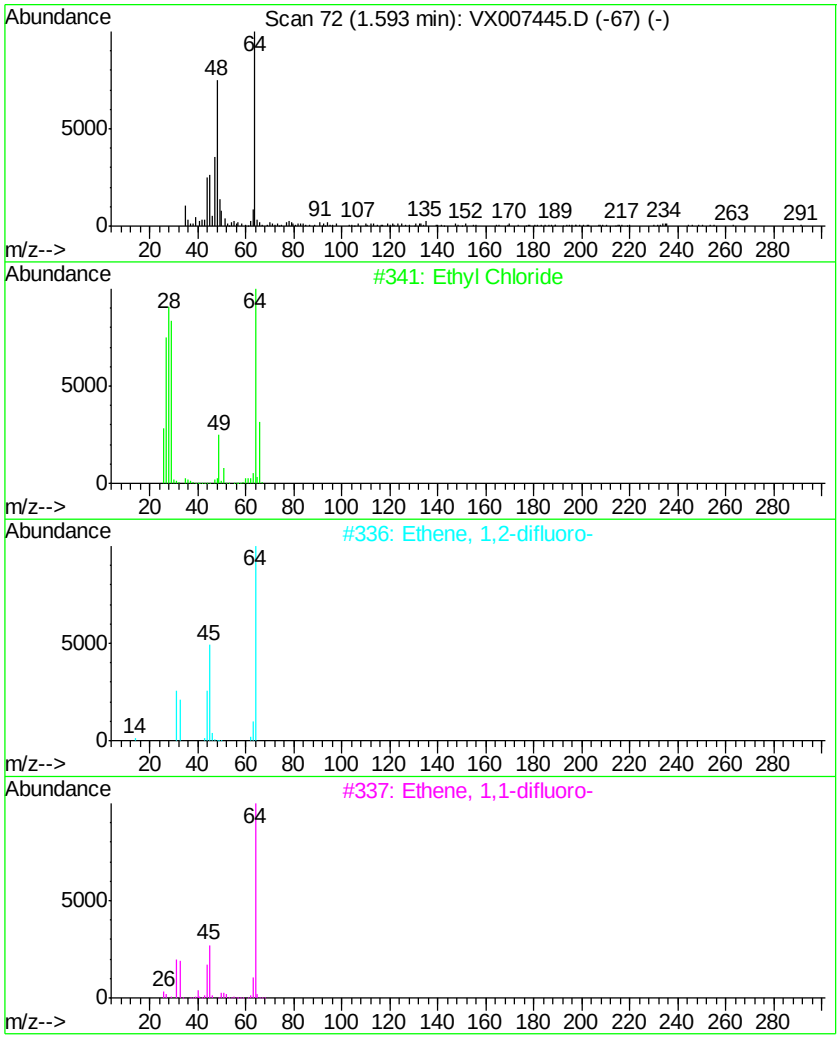
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

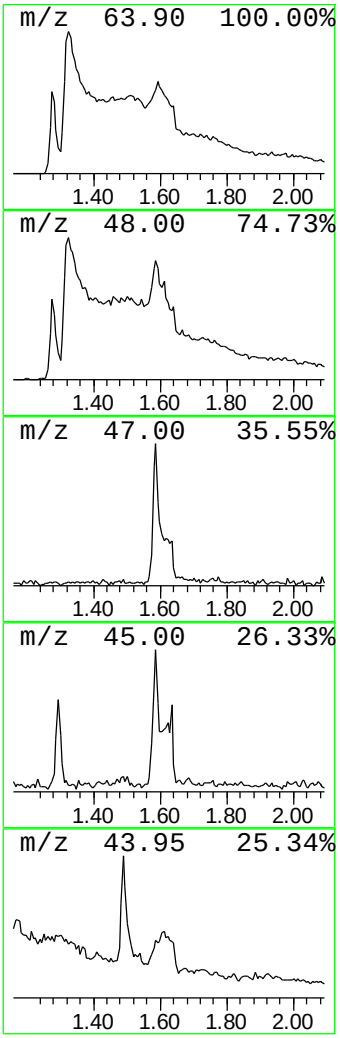
****

Peak Number 1 unknown1.59 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.59	4.55 ug/l	76234	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	43
2	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	38
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	32
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	25
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

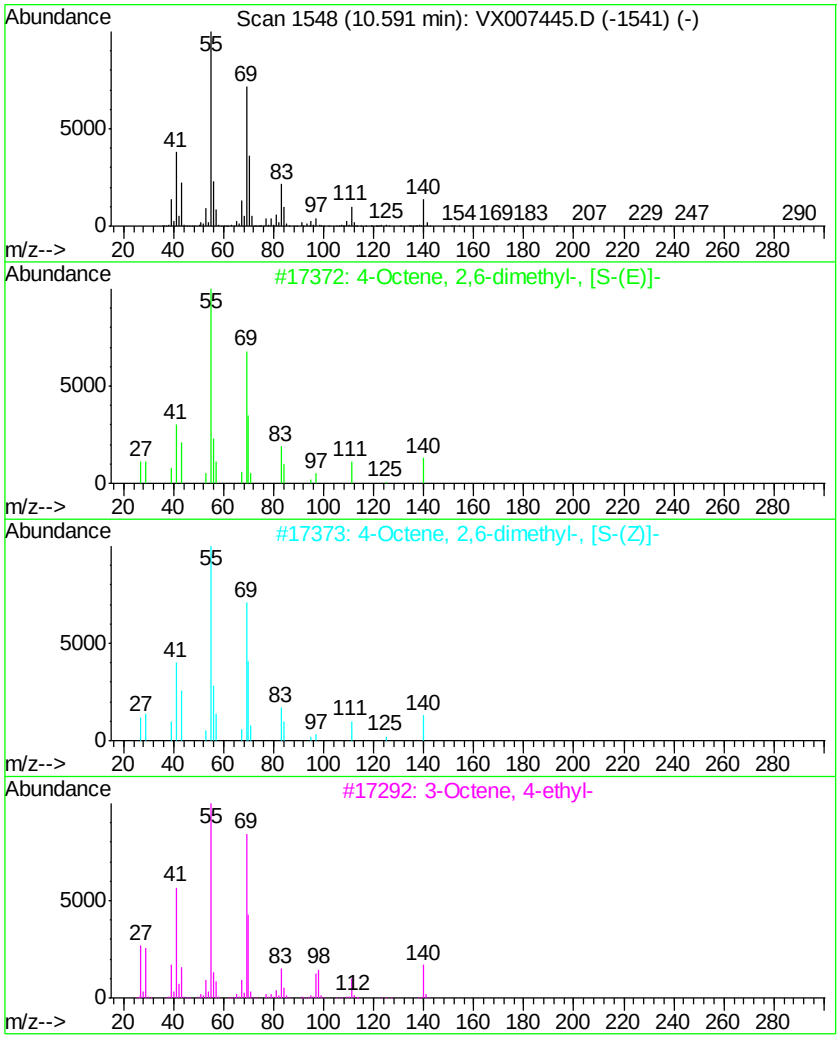
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

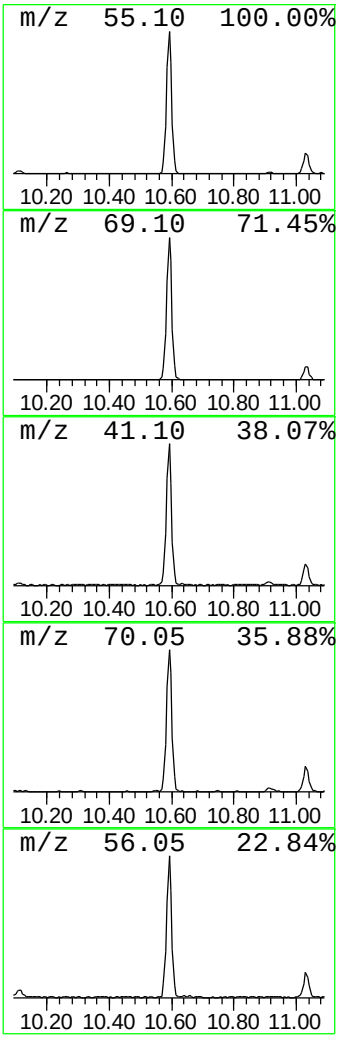
****

Peak Number 2 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	20.67 ug/l	734231	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	94
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	91
3	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	68
4	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	64
5	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

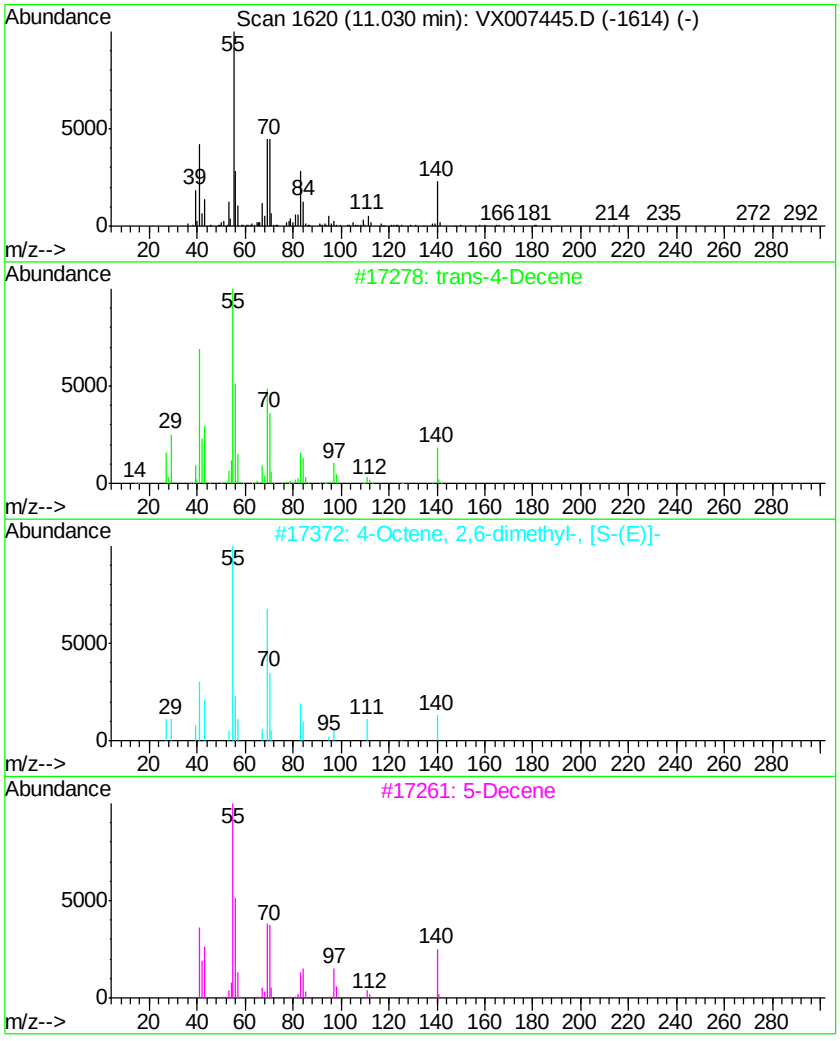
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

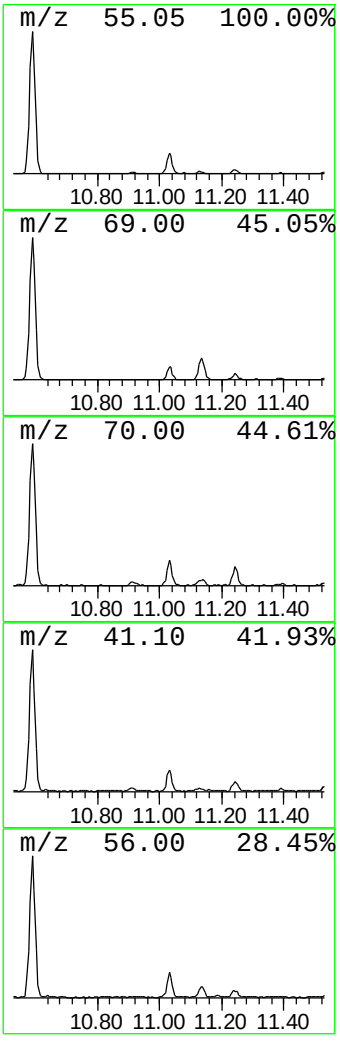
****

Peak Number 3 trans-4-Decene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	3.01 ug/l	106937	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Decene	140	C10H20	019398-89-1	64
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	64
3	5-Decene	140	C10H20	019689-19-1	64
4	5-Decene, (E)-	140	C10H20	007433-56-9	59
5	cis-4-Decene	140	C10H20	019398-88-0	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007445.D
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Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

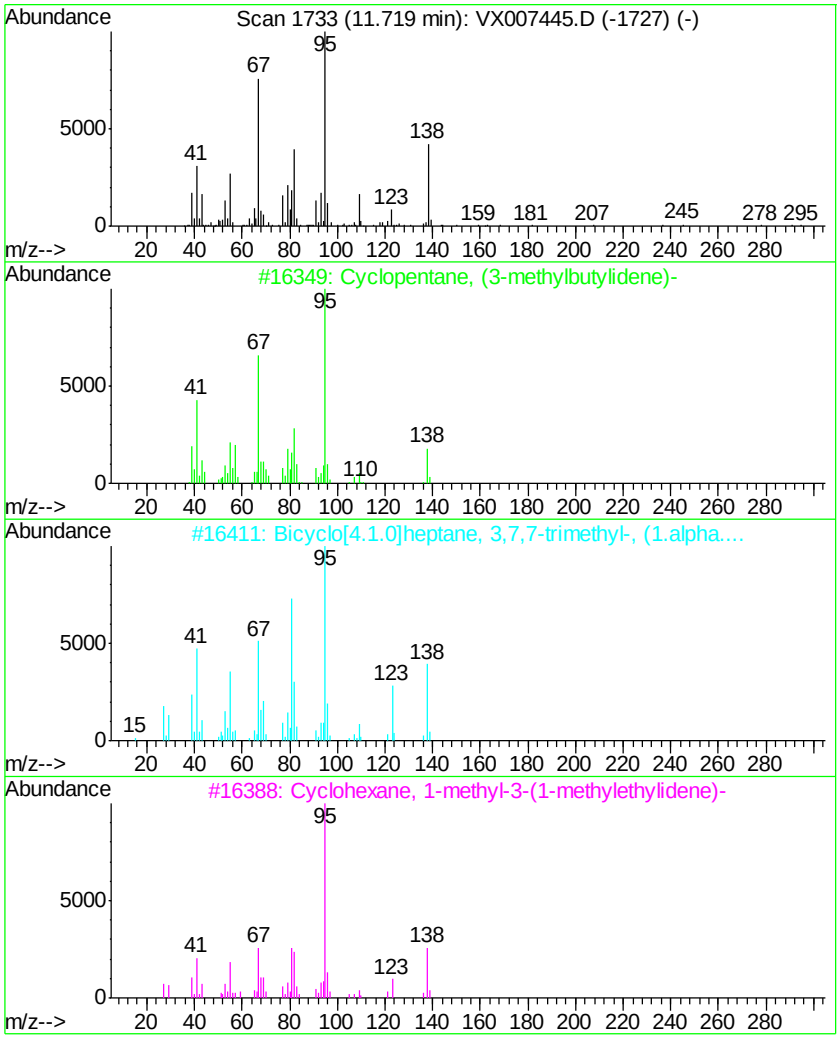
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

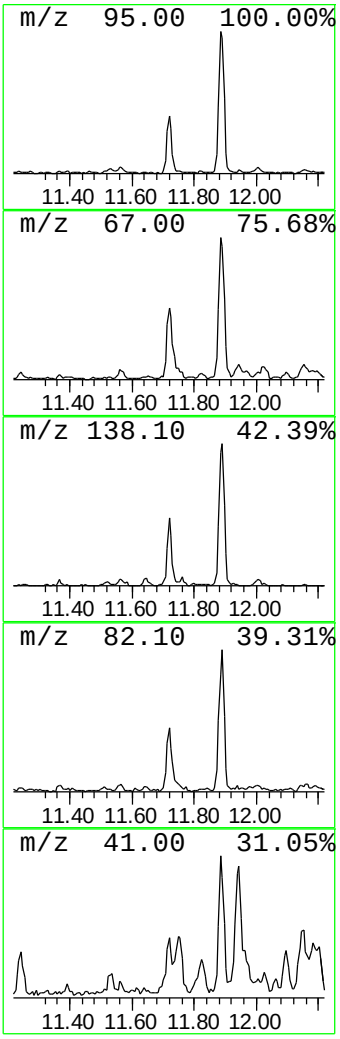
****

Peak Number 4 Cyclopentane, (3-methylbuty... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	3.15 ug/l	112082	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	87
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	86
3	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	80
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	72
5	Cyclohexene, 1-methyl-3-(1-methy...	138	C10H18	013828-31-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007445.D
Acq On : 08 Feb 2019 16:36
Operator : JC/SP
Sample : K1415-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

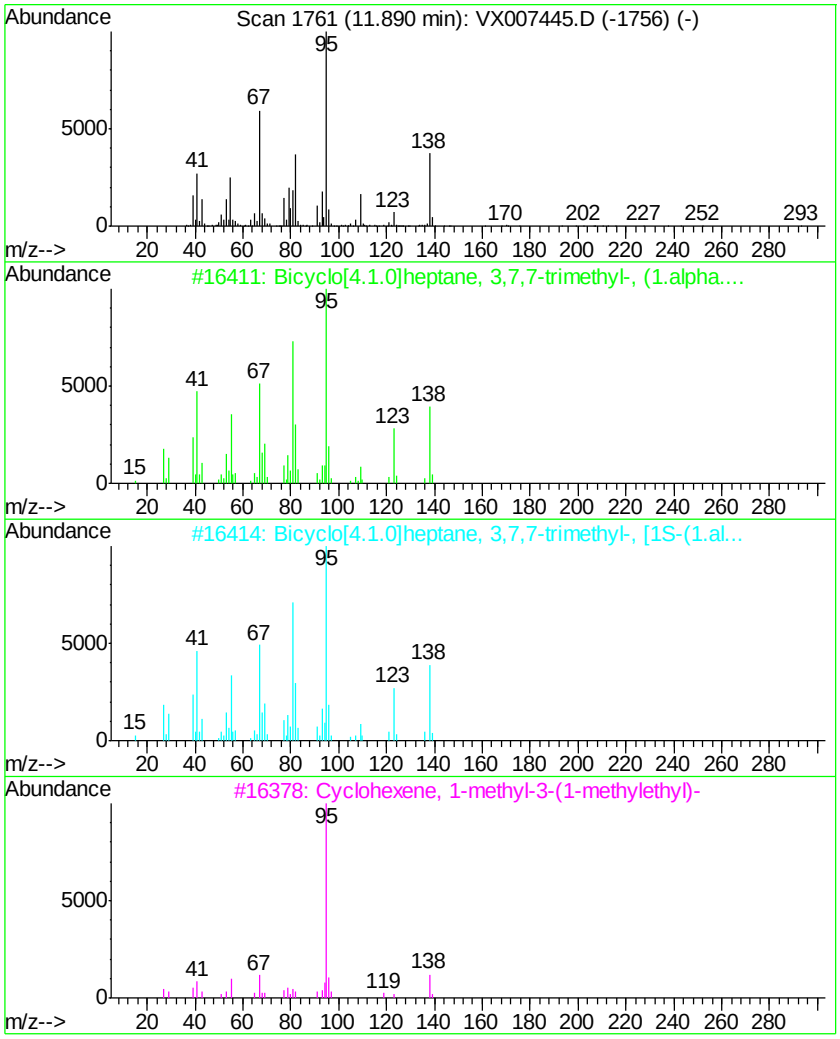
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

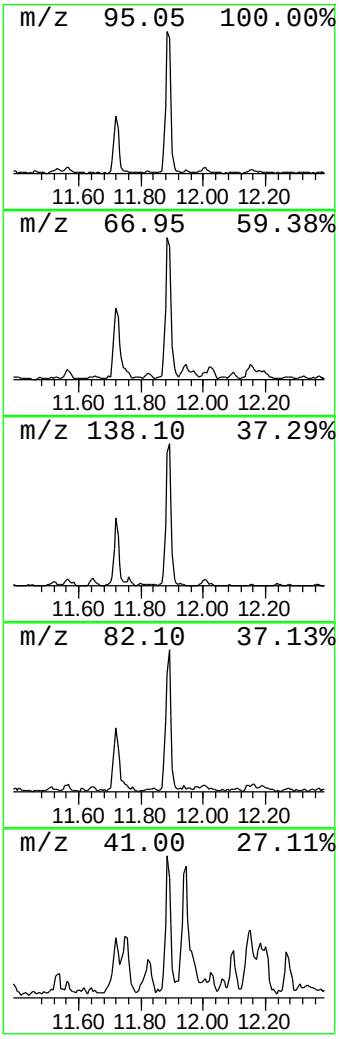
****

Peak Number 5 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.32 ug/l	224677	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	91
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	86
3	Cyclohexene, 1-methyl-3-(1-methy...	138	C10H18	013828-31-4	72
4	Methyl santolinate	182	C11H18O2	053163-37-4	53
5	4-Methyl-1,3-heptadiene (c,t)	110	C8H14	017603-57-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
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ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

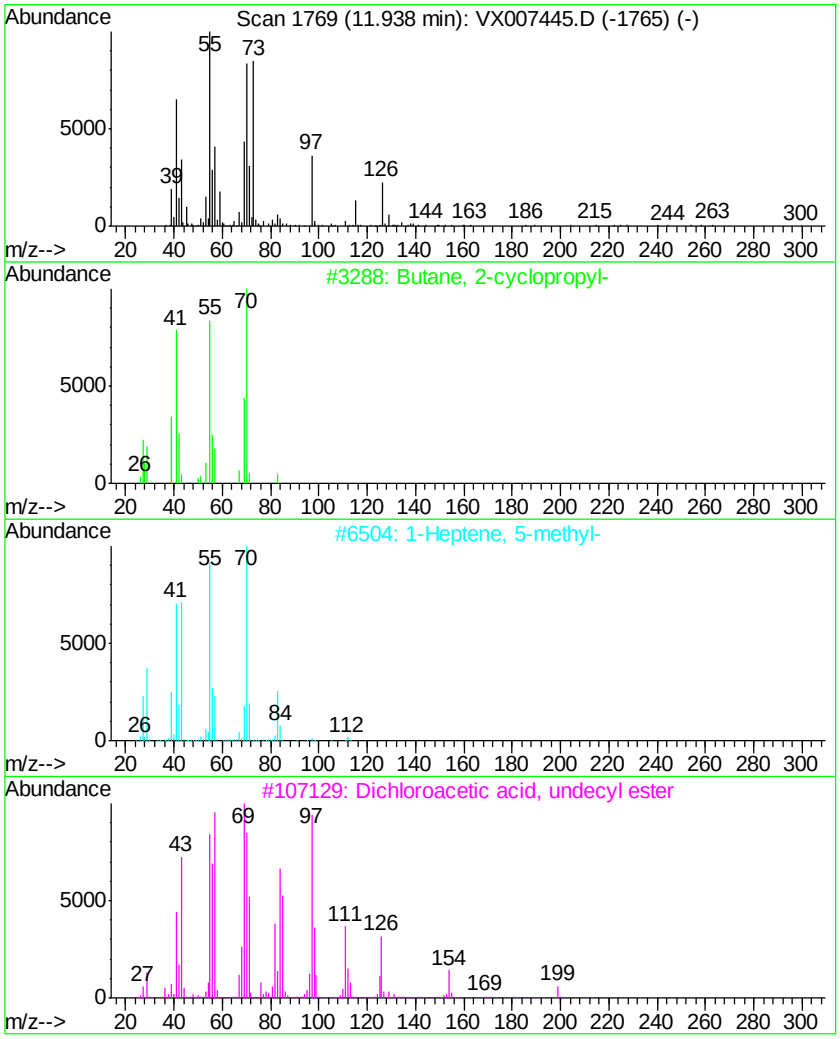
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

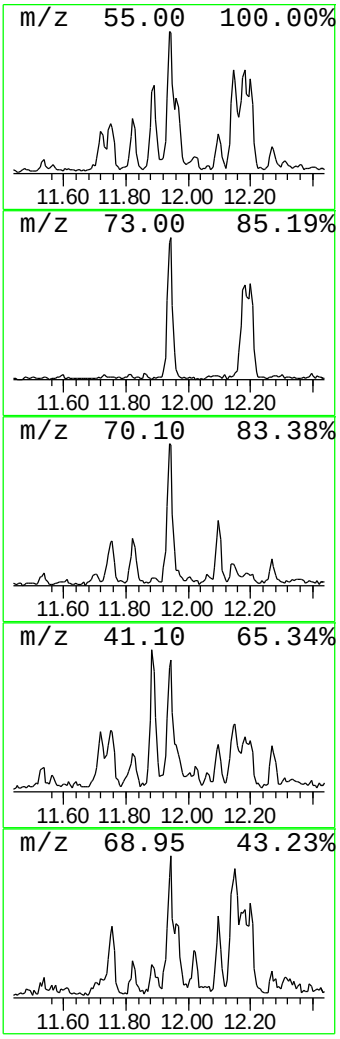
****

Peak Number 6 unknown11.94 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.24 ug/l	186019	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	38
2	1-Heptene, 5-methyl-	112	C8H16	013151-04-7	38
3	Dichloroacetic acid, undecyl ester	282	C13H24Cl2O2	090146-85-3	35
4	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	32
5	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
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Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

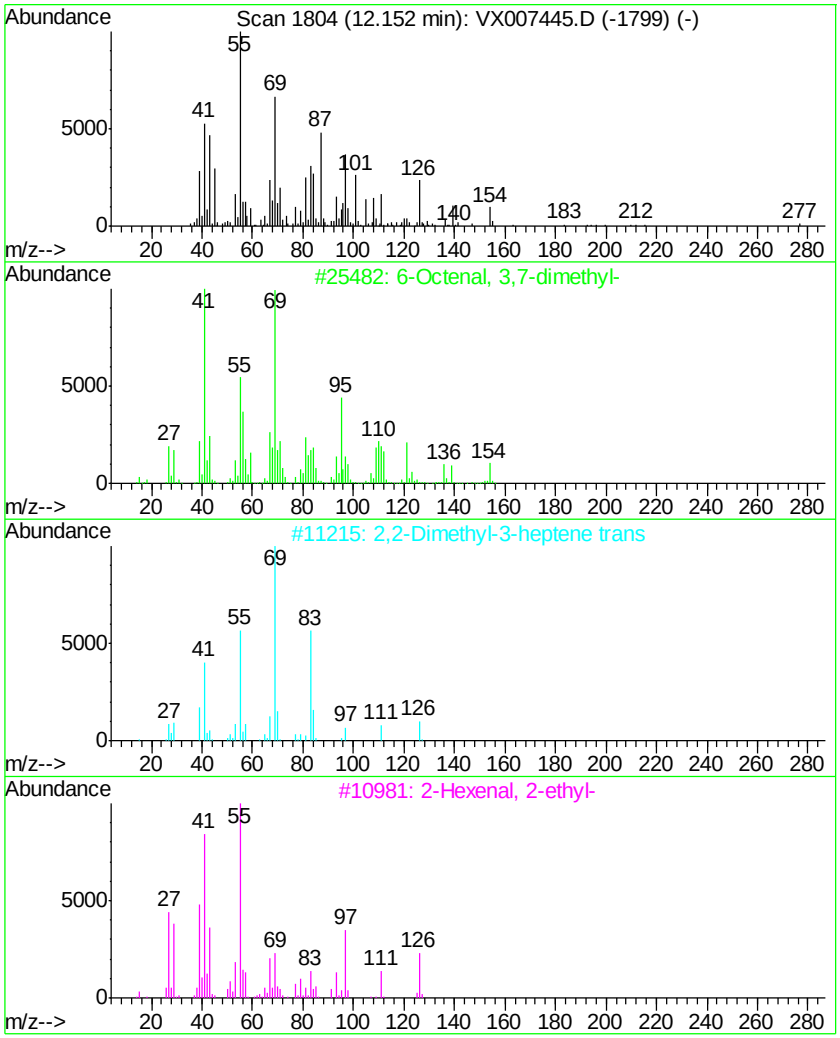
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

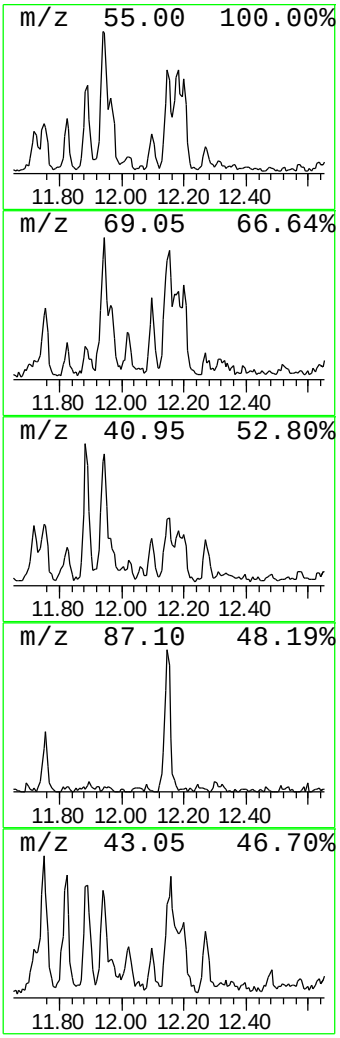
****

Peak Number 7 unknown12.15 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.99 ug/l	141662	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octenal, 3,7-dimethyl-	154	C10H18O	000106-23-0	25
2	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	25
3	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	22
4	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	22
5	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	22





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Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

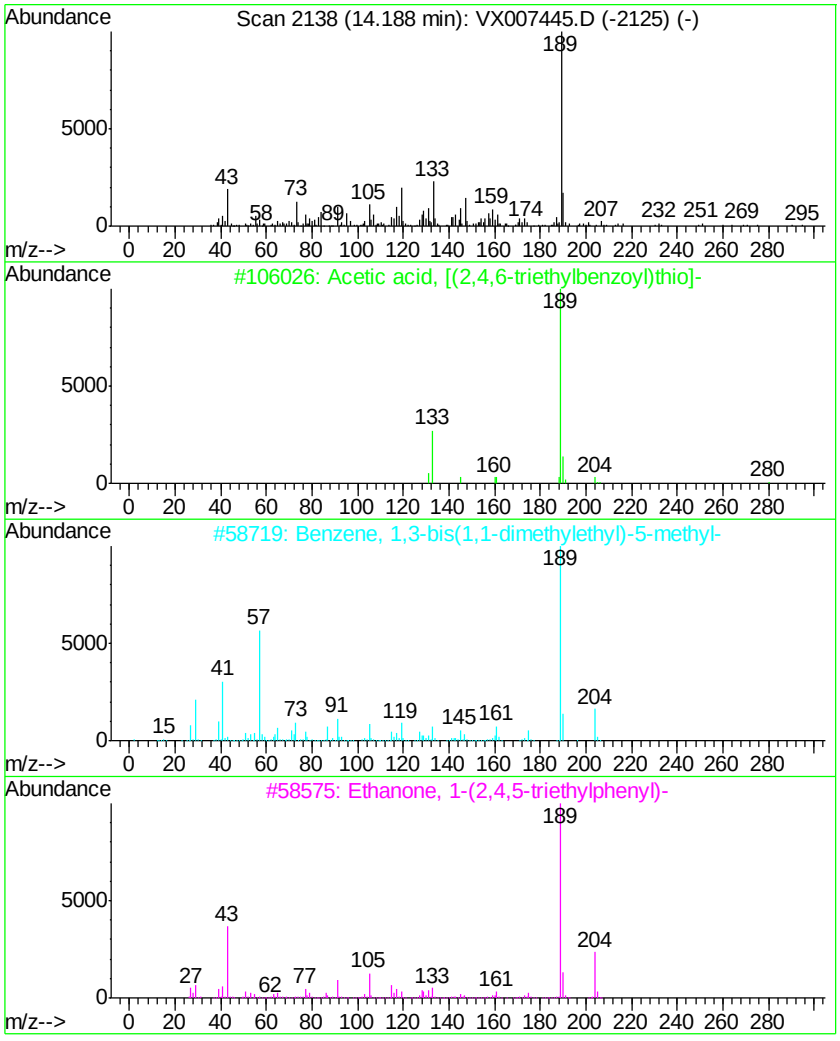
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

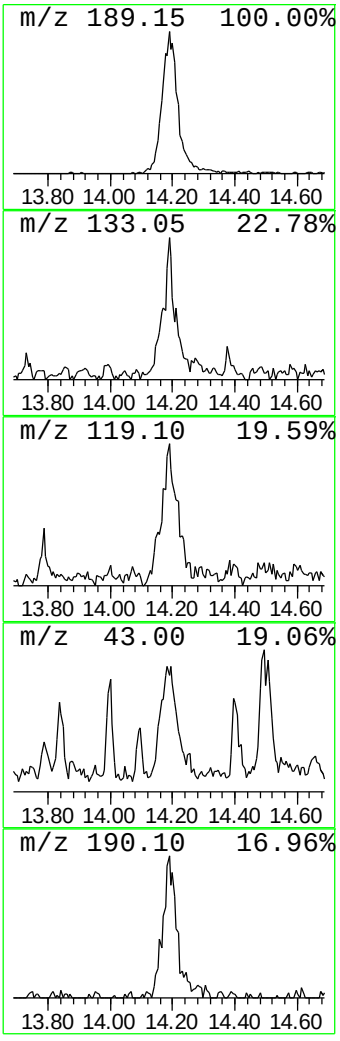
****

Peak Number 9 Acetic acid, [(2,4,6-trieth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	7.06 ug/l	250754	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, [(2,4,6-triethylben...	280	C15H20O3S	067902-78-7	72
2	Benzene, 1,3-bis(1,1-dimethyleth...	204	C15H24	015181-11-0	64
3	Ethanone, 1-(2,4,5-triethylphenyl)-	204	C14H20O	002715-54-0	50
4	Benzene, p-di-tert-pentyl-	218	C16H26	003373-10-2	50
5	Benzene, p-di-tert-pentyl-	218	C16H26	003373-10-2	50





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Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

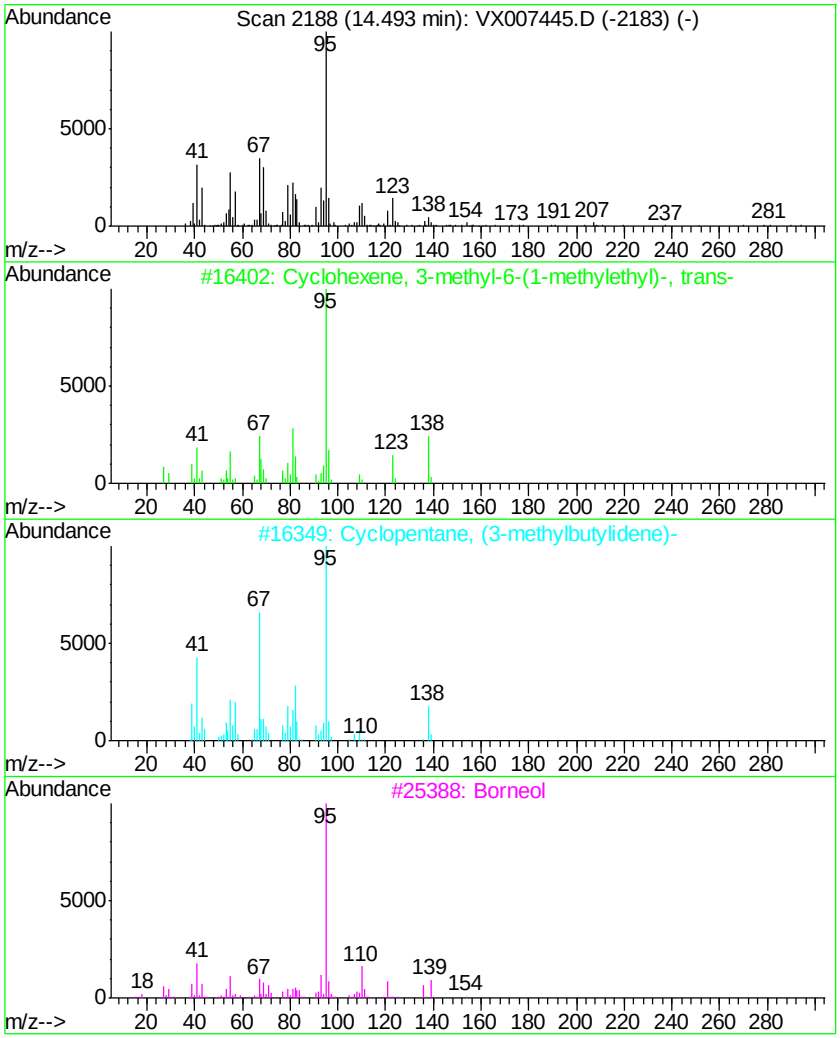
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

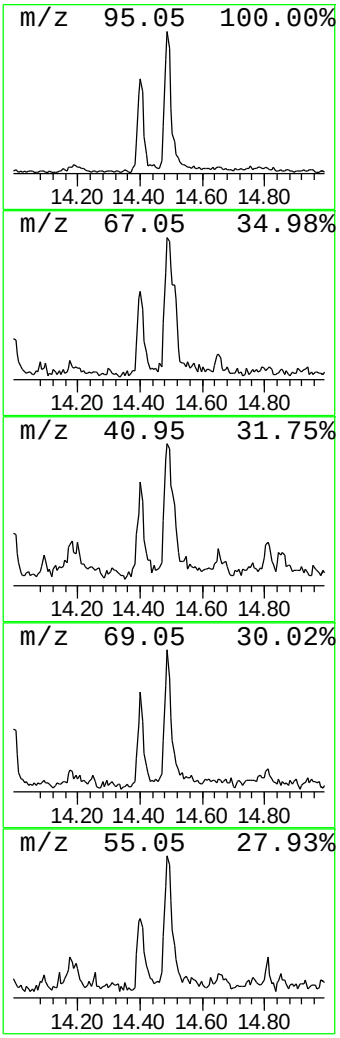
****

Peak Number 10 Cyclohexene, 3-methyl-6-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	5.49 ug/l	195165	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	83
2	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	81
3	Borneol	154	C10H18O	000507-70-0	68
4	Borneol	154	C10H18O	000507-70-0	64
5	Cyclohexanemethanol, 4-(1-methyl...	156	C10H20O	013828-37-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
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Instrument : MSVOA_X
ClientSampleId : 002M-35TH-AVE(FEB)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.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
unknown1.59	1.59	4.5	ug/l	76234	1	5.02	502289	30.0
4-Octene, 2,6-dim...	10.59	20.7	ug/l	734231	3	10.11	1065820	30.0
trans-4-Decene	11.03	3.0	ug/l	106937	3	10.11	1065820	30.0
Cyclopentane, (3-...	11.72	3.1	ug/l	112082	3	10.11	1065820	30.0
Bicyclo[4.1.0]hep...	11.89	6.3	ug/l	224677	3	10.11	1065820	30.0
unknown11.94	11.94	5.2	ug/l	186019	3	10.11	1065820	30.0
unknown12.15	12.15	4.0	ug/l	141662	3	10.11	1065820	30.0
Acetic acid, [(2,...	14.19	7.1	ug/l	250754	3	10.11	1065820	30.0
Cyclohexene, 3-me...	14.49	5.5	ug/l	195165	3	10.11	1065820	30.0