LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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	1.599	67	73	80	rVB4	57375	180294	3.03%	0.975%
2	2.446	205	212	229	rBV	3606942	5946736	100.00%	32.156%
3	2.617	233	240	255	rVV	2608015	4816812	81.00%	26.046%
4	5.019	622	634	645	rBV2	163882	481840	8.10%	2.605%
5	6.068	796	806	819	rBV	168274	440836	7.41%	2.384%
6	6.860	922	936	950	rBV	383878	899888	15.13%	4.866%
7	8.713	1234	1240	1246	rVV	792106	1218565	20.49%	6.589%
8	8.781	1246	1251	1259	rVB	349100	557189	9.37%	3.013%
9	10.110	1464	1469	1477	rVB	762998	1043351	17.54%	5.642%
10	10.591	1541	1548	1555	rBV	508542	638112	10.73%	3.451%
11	11.030	1613	1620	1626	rBV	73386	101073	1.70%	0.547%
12	11.134	1632	1637	1644	rVB	660981	845068	14.21%	4.570%
13	11.719	1726	1733	1736	rBV	52322	88886	1.49%	0.481%
14	11.749	1736	1738	1743	rVB2	52677	65058	1.09%	0.352%
15	11.817	1743	1749	1756	rVB4	57873	112543	1.89%	0.609%
16	11.890	1756	1761	1765	rBV	113165	152197	2.56%	0.823%
17	11.938	1765	1769	1773	rBV	92006	135974	2.29%	0.735%
18	12.152	1798	1804	1807	rBV4	73421	138071	2.32%	0.747%
19	12.822	1908	1914	1919	rBV	63302	83415	1.40%	0.451%
20	13.389	2003	2007	2013	rBV	186364	246488	4.14%	1.333%
21	14.401	2168	2173	2180	rBV	69125	108397	1.82%	0.586%
22	14.487	2183	2187	2194	rBV3	102790	192510	3.24%	1.041%

Sum of corrected areas: 18493303

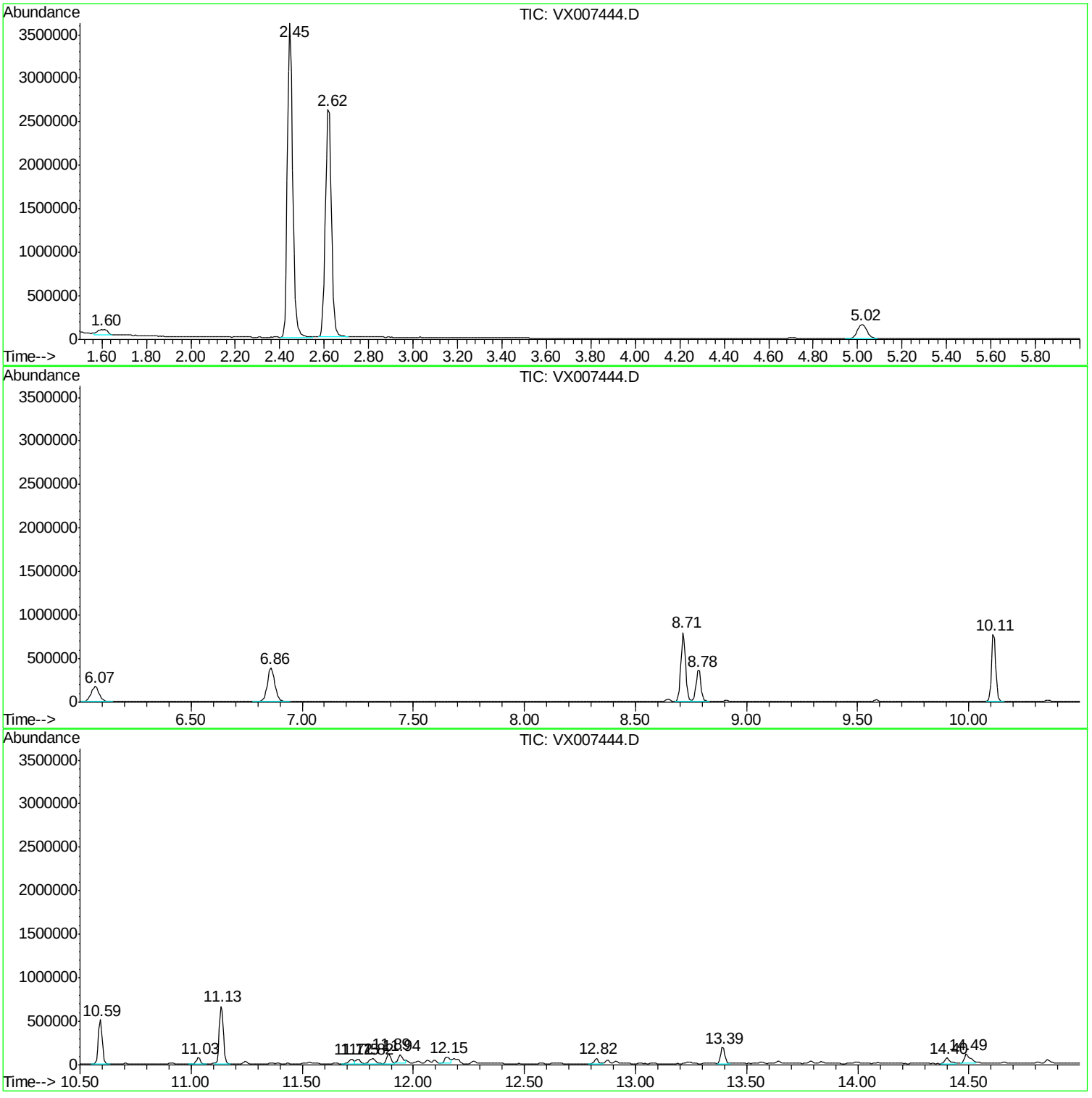
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
001M-WILLETS-PT-BLVD(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 : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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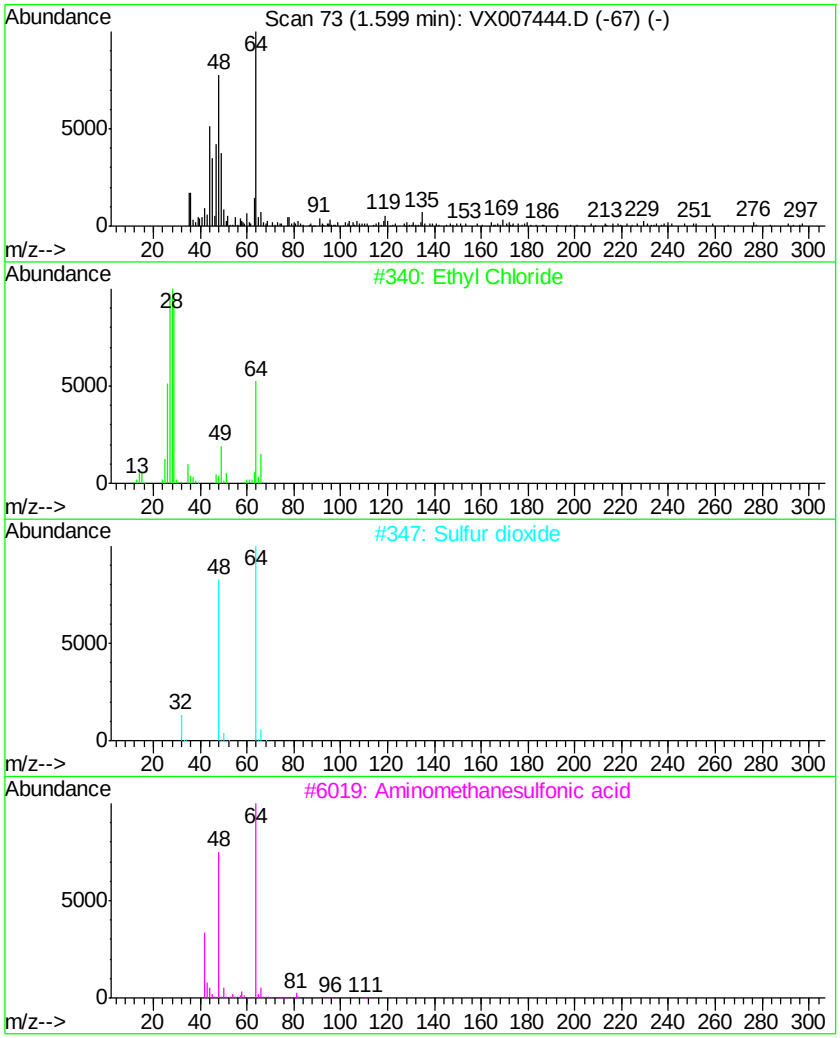
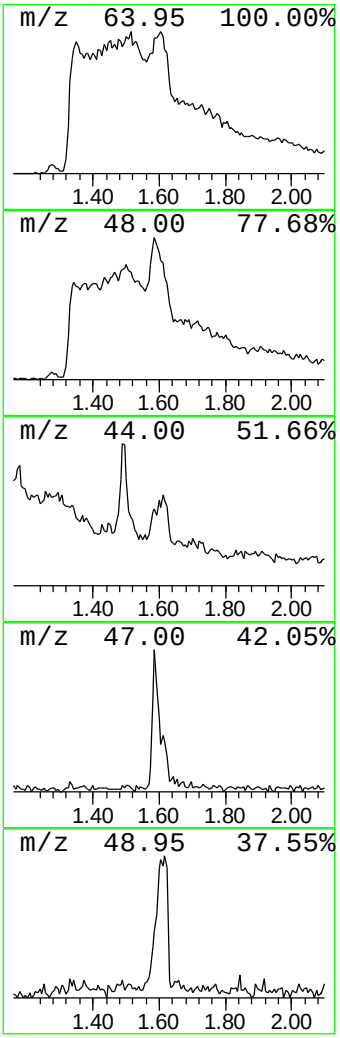
Peak Number 1 Ethyl Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.60	11.23 ug/l	180294	Bromochloromethane	5.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	53
2	Sulfur dioxide	64	O2S	007446-09-5	50
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	50
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	47
5	Cysteic acid	169	C3H7NO5S	1000131-23-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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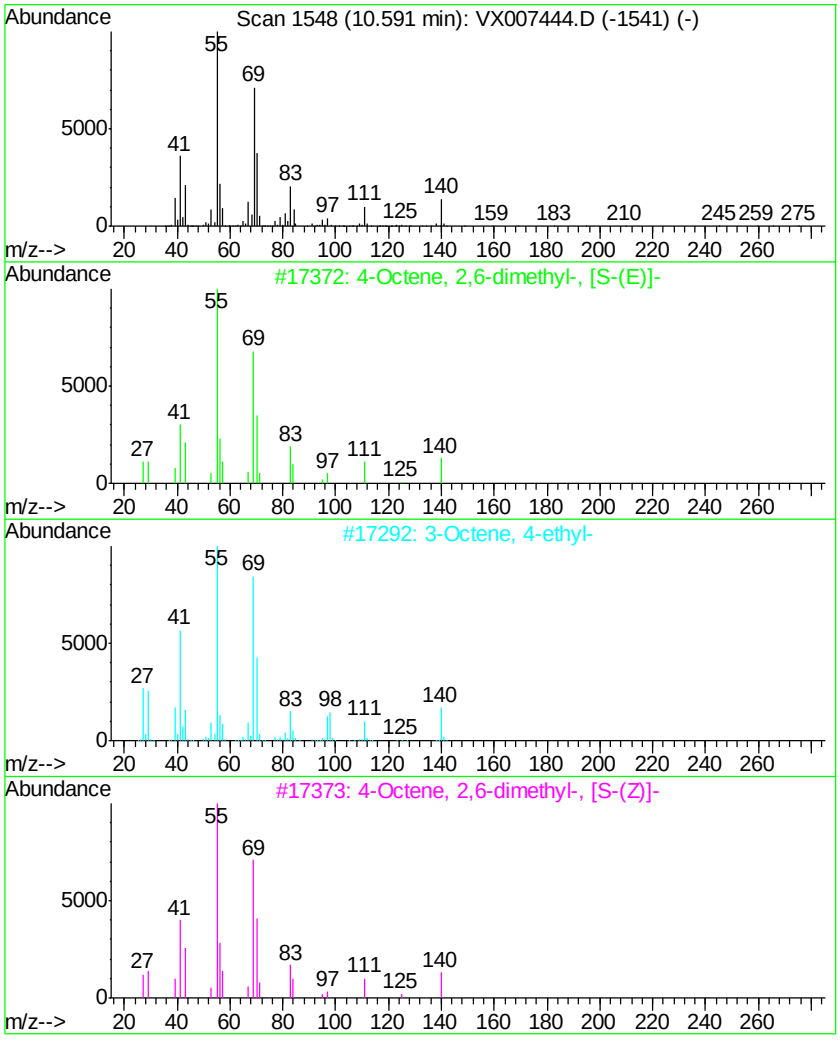
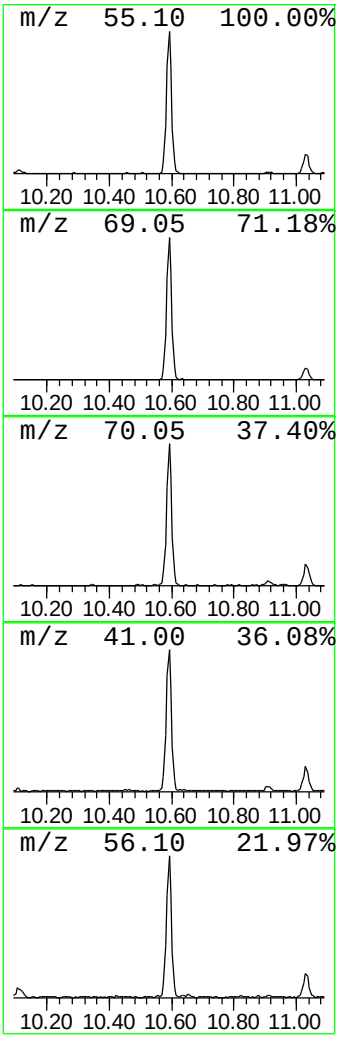
Peak Number 2 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	18.35 ug/l	638112	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	95
2	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	81
3	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	72
4	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	58
5	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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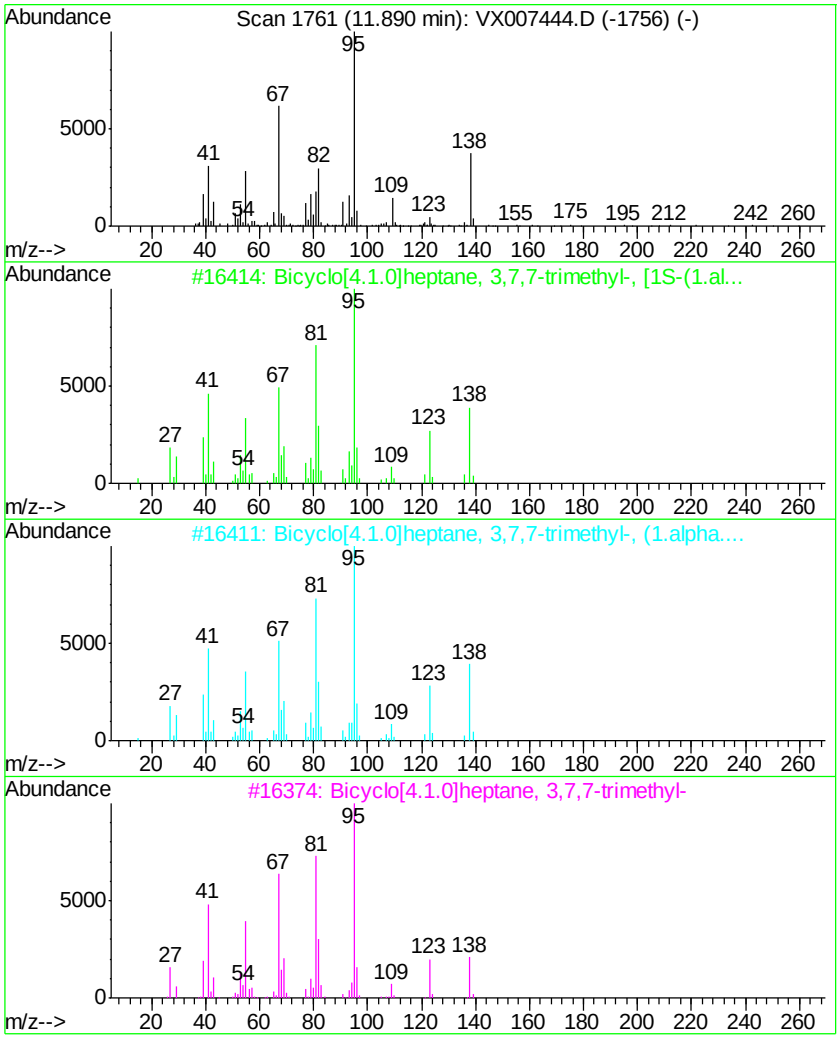
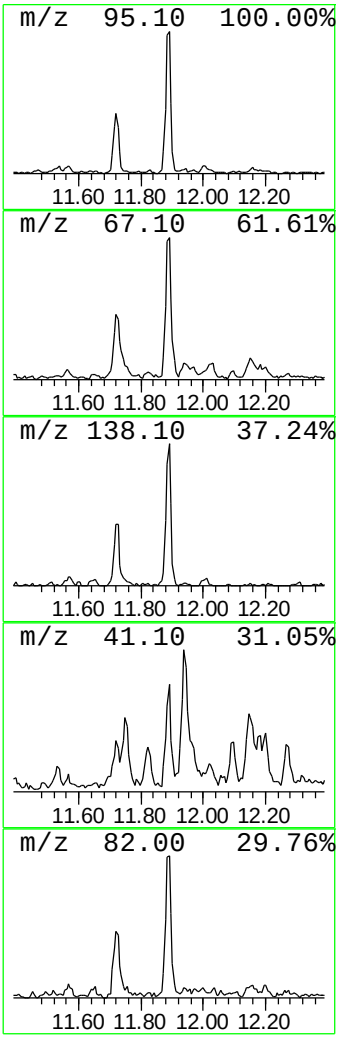
Peak Number 3 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.38 ug/l	152197	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	002778-68-9	90
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	87
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	80
4	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	72
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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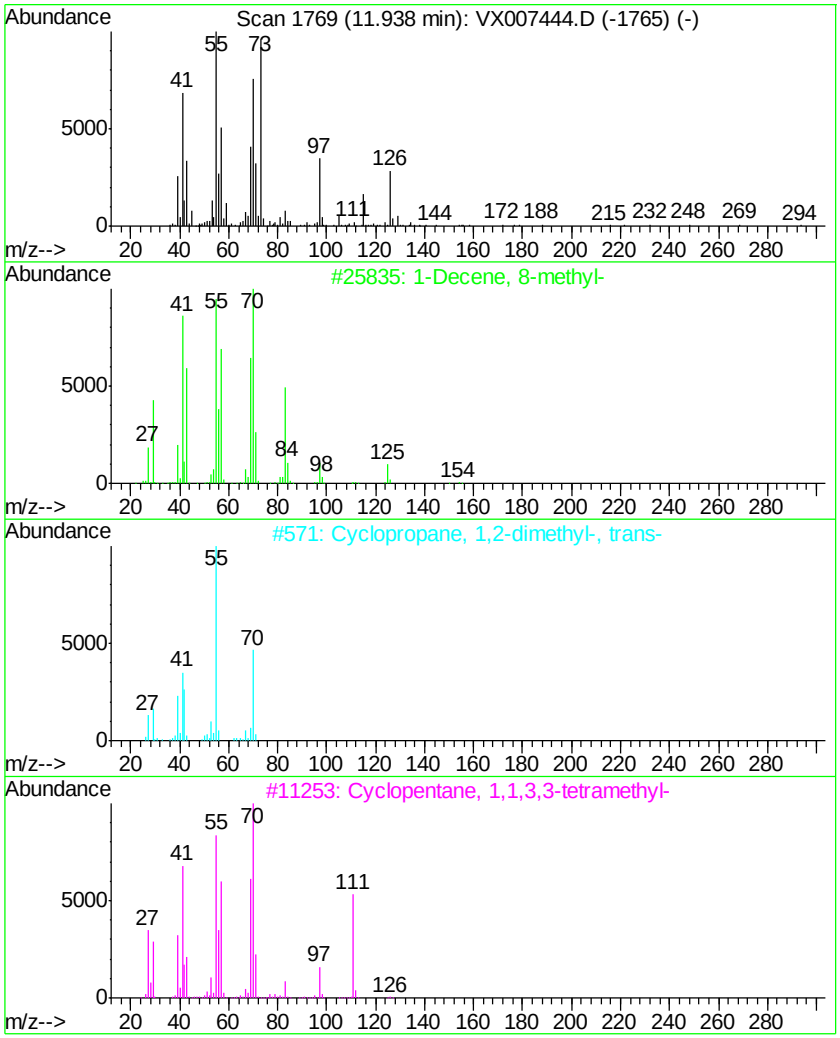
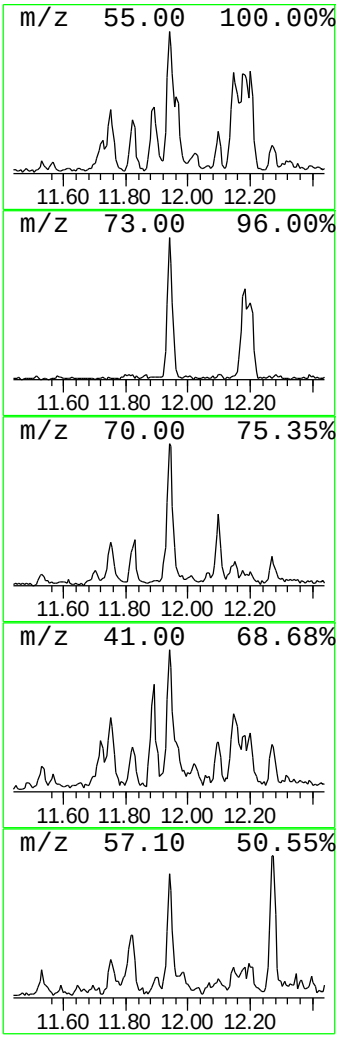
Peak Number 4 unknown11.94 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.91 ug/l	135974	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene, 8-methyl-	154	C11H22	061142-79-8	46
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	43
3	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	43
4	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	43
5	5-Ethyl-1-nonene	154	C11H22	019780-74-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
Data File : VX007444.D
Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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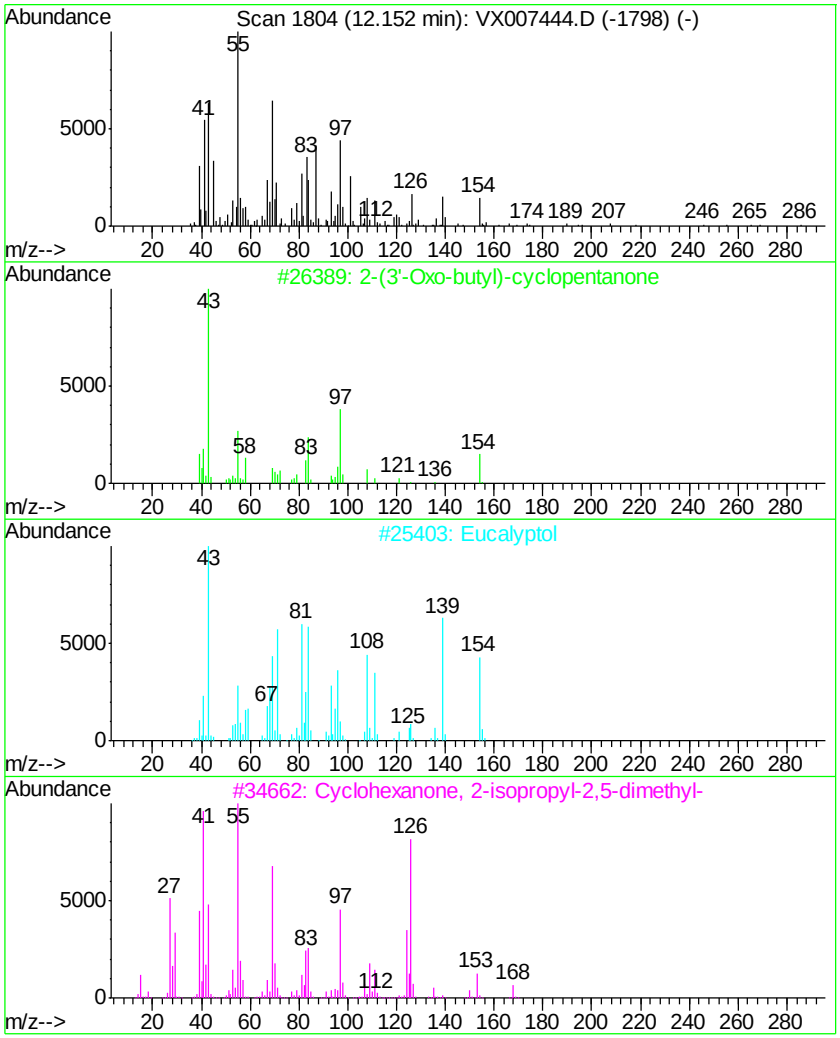
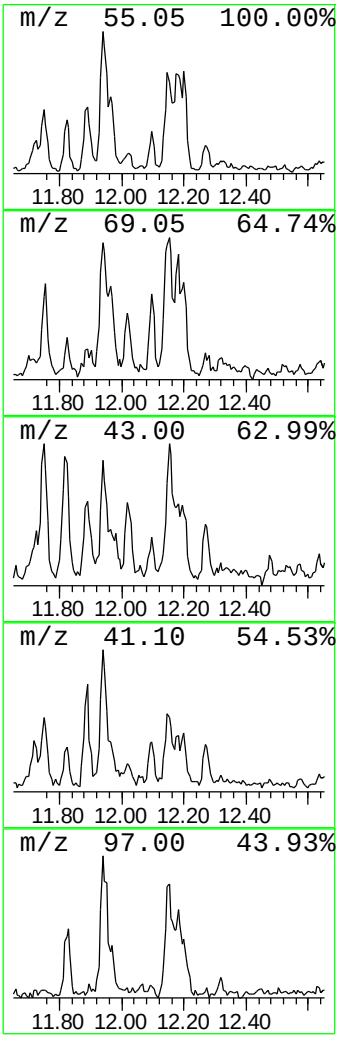
Peak Number 5 unknown12.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.97 ug/l	138071	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3'-Oxo-butyl)-cyclopentanone	154	C9H14O2	1000143-37-2	46
2	Eucalyptol	154	C10H18O	000470-82-6	38
3	Cyclohexanone, 2-isopropyl-2,5-d...	168	C11H20O	020144-44-9	35
4	Eucalyptol	154	C10H18O	000470-82-6	25
5	3-Acetonylcyclohexanone	154	C9H14O2	000937-45-1	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
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Acq On : 08 Feb 2019 16:09
Operator : JC/SP
Sample : K1415-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 001M-WILLETS-PT-BLVD(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

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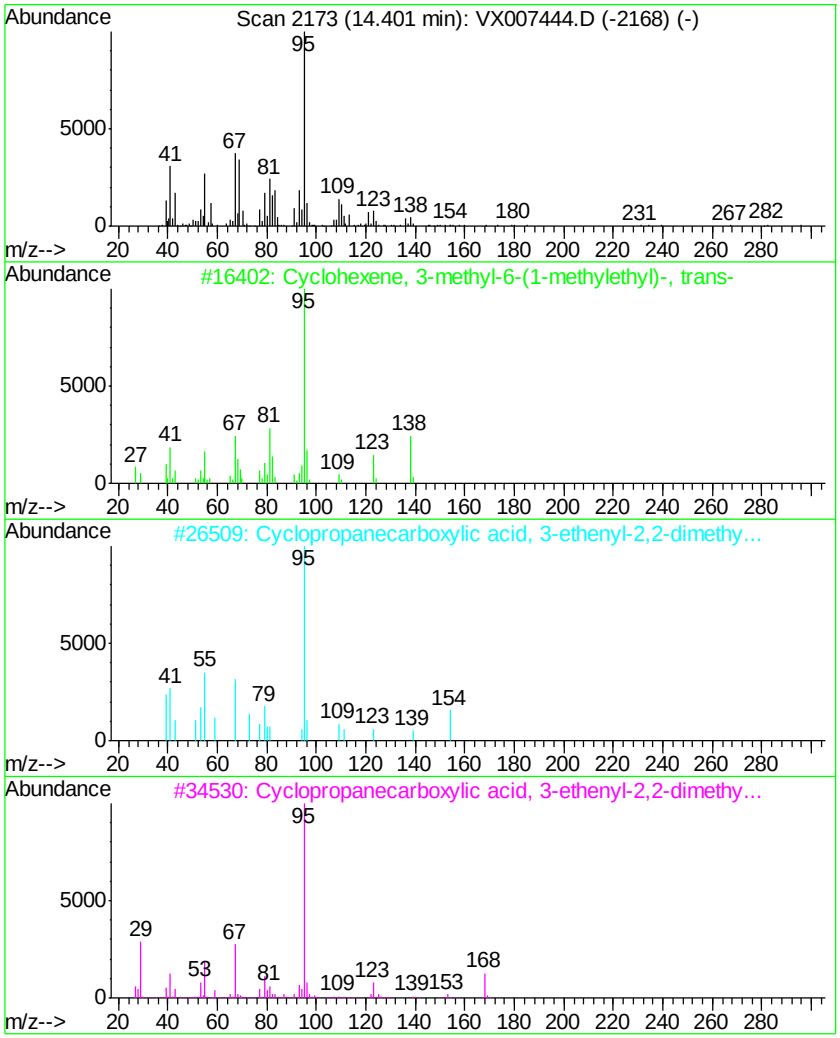
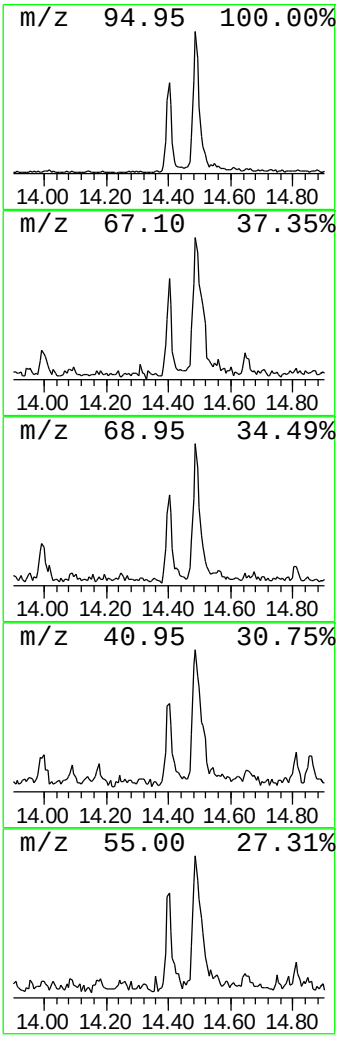
Peak Number 7 Cyclohexene, 3-methyl-6-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	3.12 ug/l	108397	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	68
2	Cyclopropanecarboxylic acid, 3-e...	154	C9H14O2	041977-59-7	64
3	Cyclopropanecarboxylic acid, 3-e...	168	C10H16O2	060066-50-4	64
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64
5	Borneol	154	C10H18O	000507-70-0	64





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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

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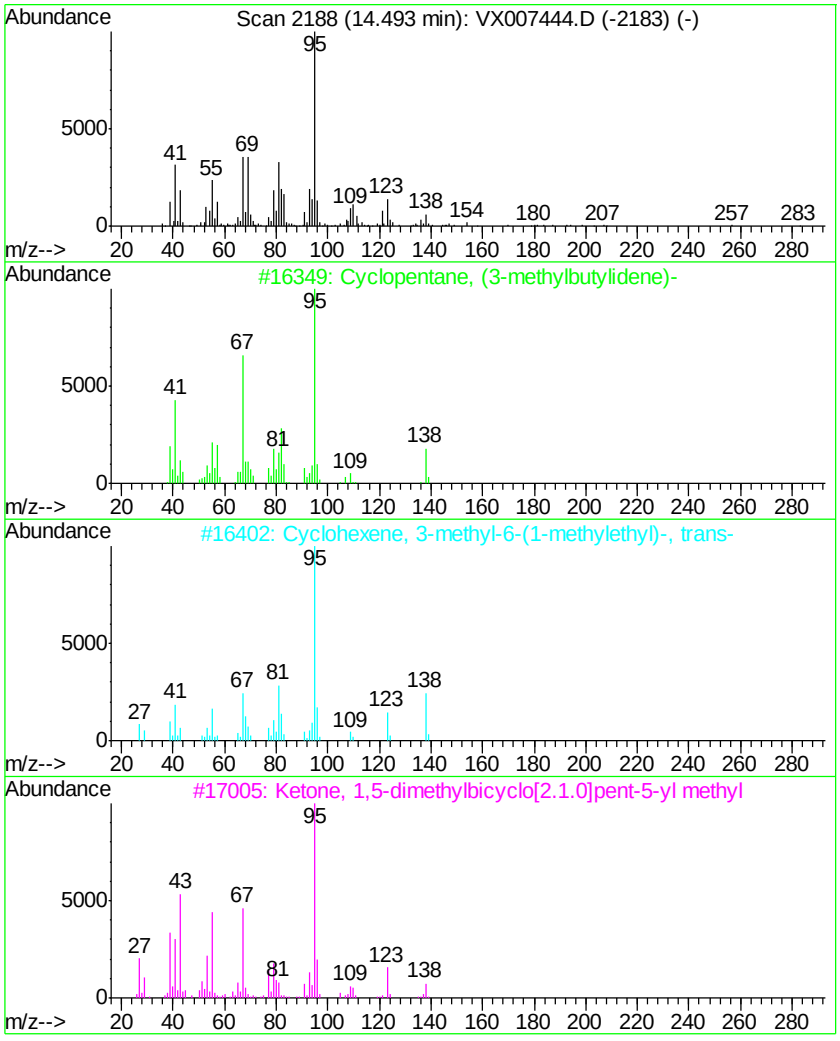
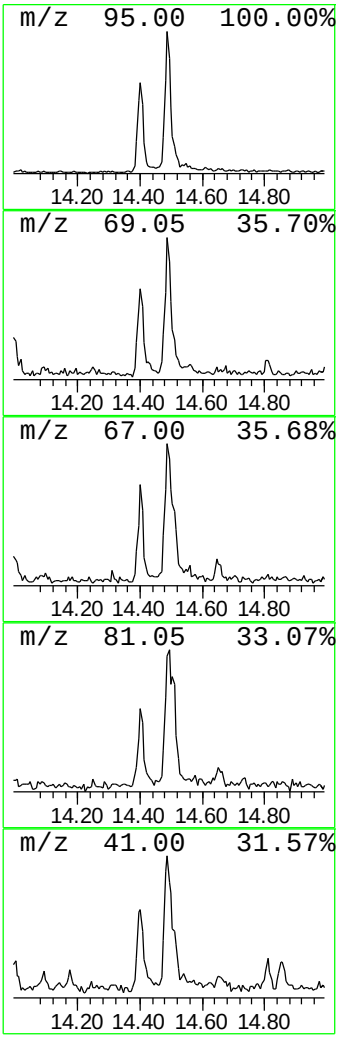
Peak Number 8 Cyclopentane, (3-methylbuty... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	5.54 ug/l	192510	Chlorobenzene-d5	10.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	87
2	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	83
3	Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	83
4	Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	72
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	68





Tentatively Identified Compound (LSC) summary

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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
Ethyl Chloride	1.60	11.2	ug/l	180294	1	5.02	481840	30.0
4-Octene, 2,6-dim...	10.59	18.4	ug/l	638112	3	10.11	1043350	30.0
Bicyclo[4.1.0]hep...	11.89	4.4	ug/l	152197	3	10.11	1043350	30.0
unknown11.94	11.94	3.9	ug/l	135974	3	10.11	1043350	30.0
unknown12.15	12.15	4.0	ug/l	138071	3	10.11	1043350	30.0
Cyclohexene, 3-me...	14.40	3.1	ug/l	108397	3	10.11	1043350	30.0
Cyclopentane, (3-...	14.49	5.5	ug/l	192510	3	10.11	1043350	30.0