LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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	2.087	158	164	177	rBV	325341	543444	4.14%	1.242%
2	2.331	198	204	211	rBV	176582	279429	2.13%	0.639%
3	2.416	211	218	236	rVV	6223442	10560643	80.45%	24.145%
4	2.593	237	247	270	rVB	6660098	12360270	94.16%	28.259%
5	3.825	438	449	461	rBV	376245	993983	7.57%	2.273%
6	4.300	516	527	541	rBV	247848	653606	4.98%	1.494%
7	4.635	572	582	596	rBV	67400	198904	1.52%	0.455%
8	4.983	626	639	651	rBV2	95581	291785	2.22%	0.667%
9	6.031	801	811	827	rBV2	100248	268127	2.04%	0.613%
10	6.672	907	916	932	rBV	427082	1051557	8.01%	2.404%
11	6.830	932	942	953	rVB	218015	536999	4.09%	1.228%
12	8.696	1242	1248	1250	rBV	465765	729136	5.55%	1.667%
13	8.720	1250	1252	1264	rVB	601283	854592	6.51%	1.954%
14	10.098	1472	1478	1489	rBV	455108	633311	4.82%	1.448%
15	11.122	1640	1646	1651	rBV	369553	460721	3.51%	1.053%
16	11.457	1696	1701	1706	rBV	149409	196126	1.49%	0.448%
17	12.256	1828	1832	1848	rBV	10474470	13126275	100.00%	30.011%

Sum of corrected areas: 43738908

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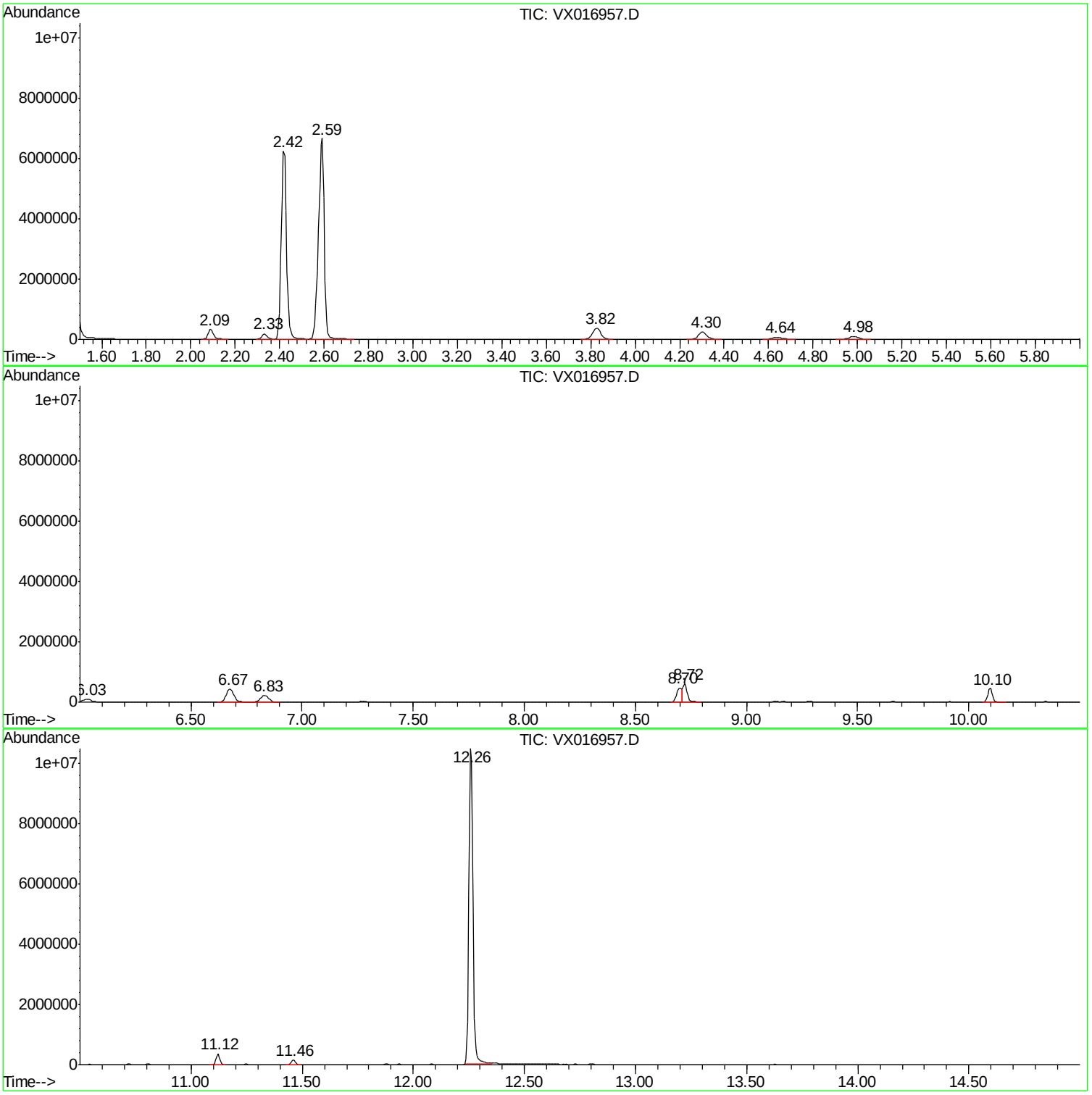
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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

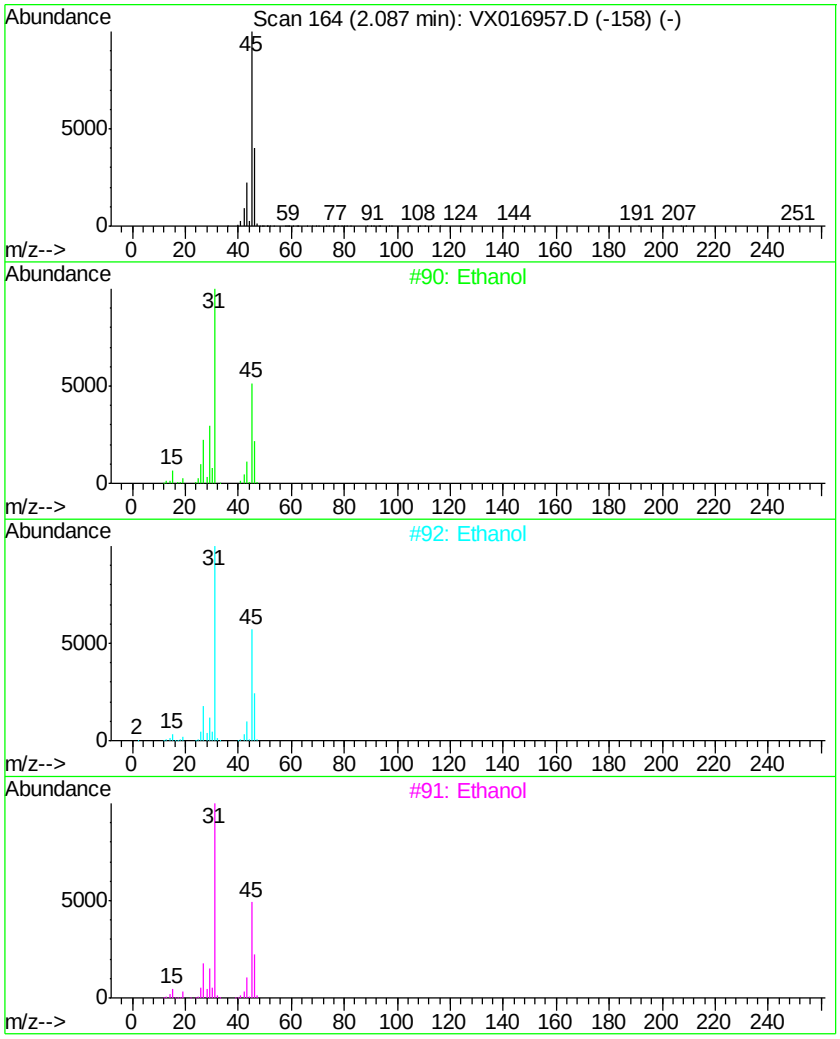
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

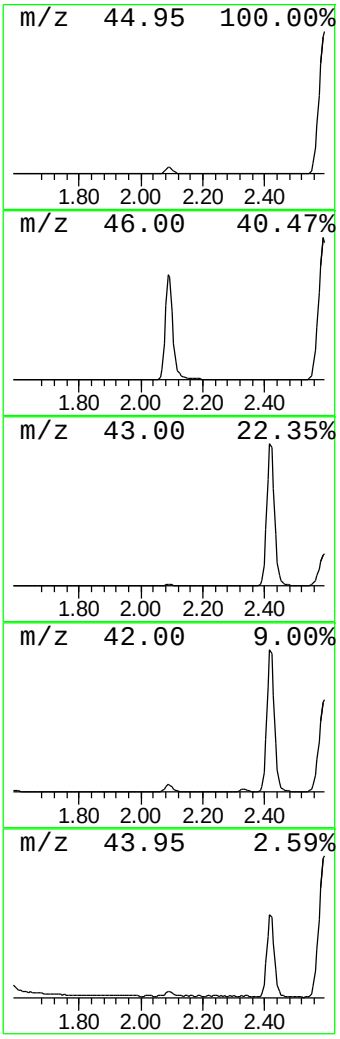
****

Peak Number 1 Ethanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.09	55.87 ug/l	543444	Bromochloromethane	4.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	64
2	Ethanol	46	C2H6O	000064-17-5	64
3	Ethanol	46	C2H6O	000064-17-5	43
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Methane, nitroso-	45	CH3NO	000865-40-7	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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

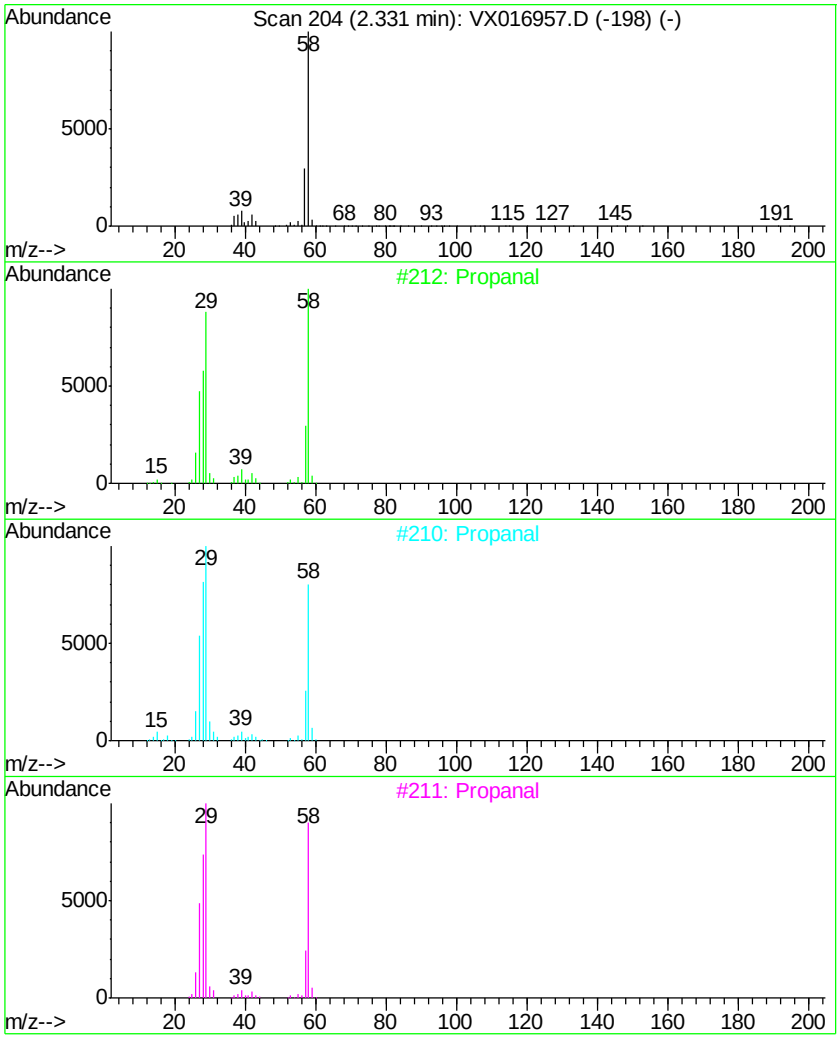
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

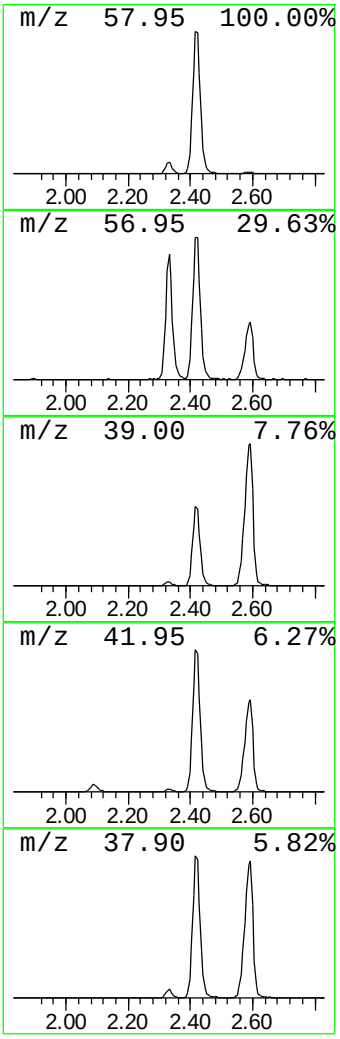
****

Peak Number 2 Propanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	28.73 ug/l	279429	Bromochloromethane	4.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal	58	C3H6O	000123-38-6	78
2	Propanal	58	C3H6O	000123-38-6	40
3	Propanal	58	C3H6O	000123-38-6	40
4	Trimethylene oxide	58	C3H6O	000503-30-0	9
5	Quinolin-2(1H)-one, 3,4,5,6,7,8-...	208	C12H20N2O	1000259-95-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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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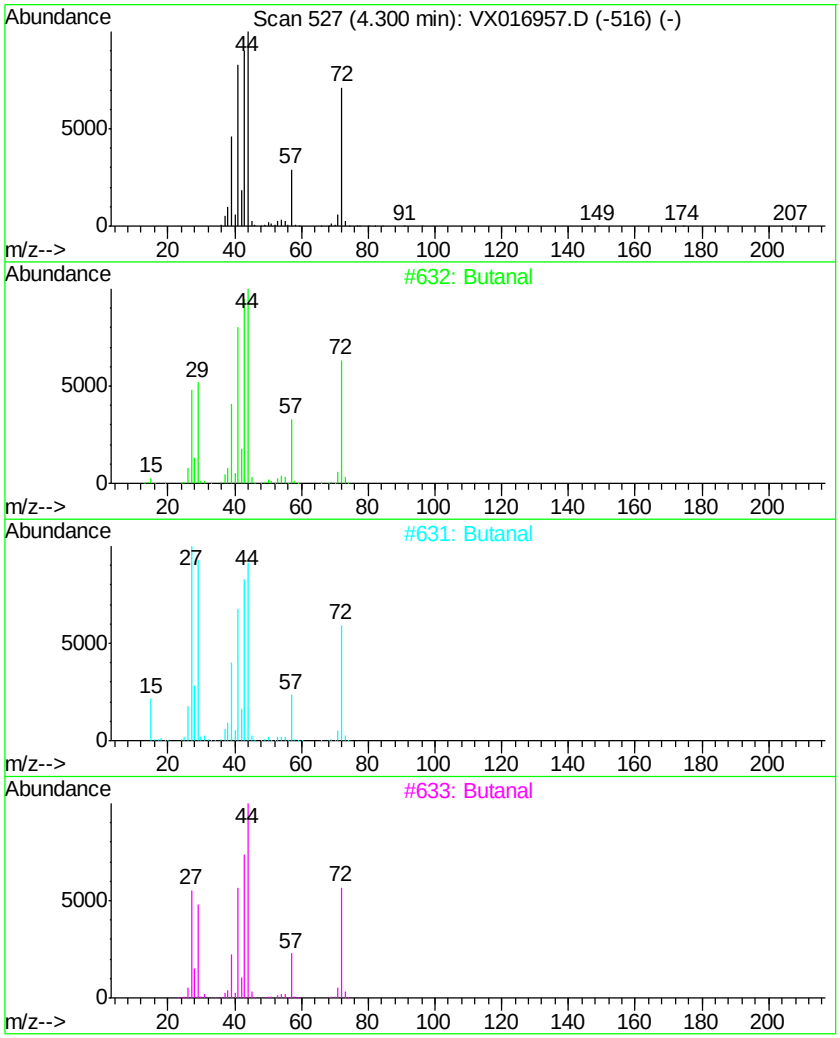
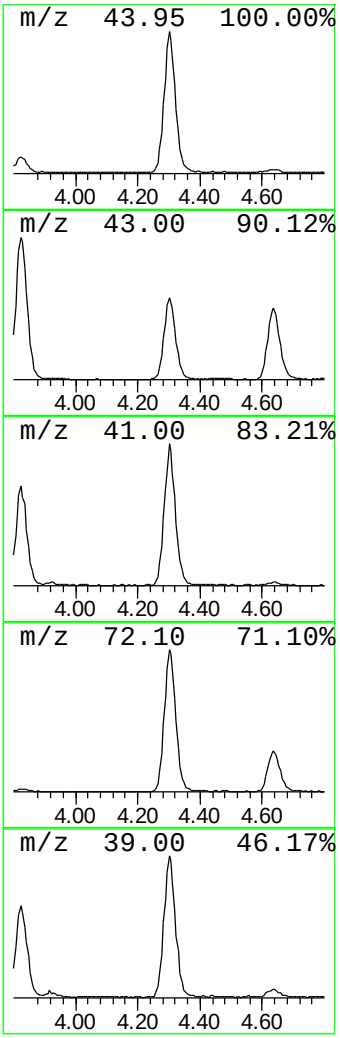
Peak Number 3 Butanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	67.20 ug/l	653606	Bromochloromethane	4.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	64
4	Ethene, ethoxy-	72	C4H8O	000109-92-2	47
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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

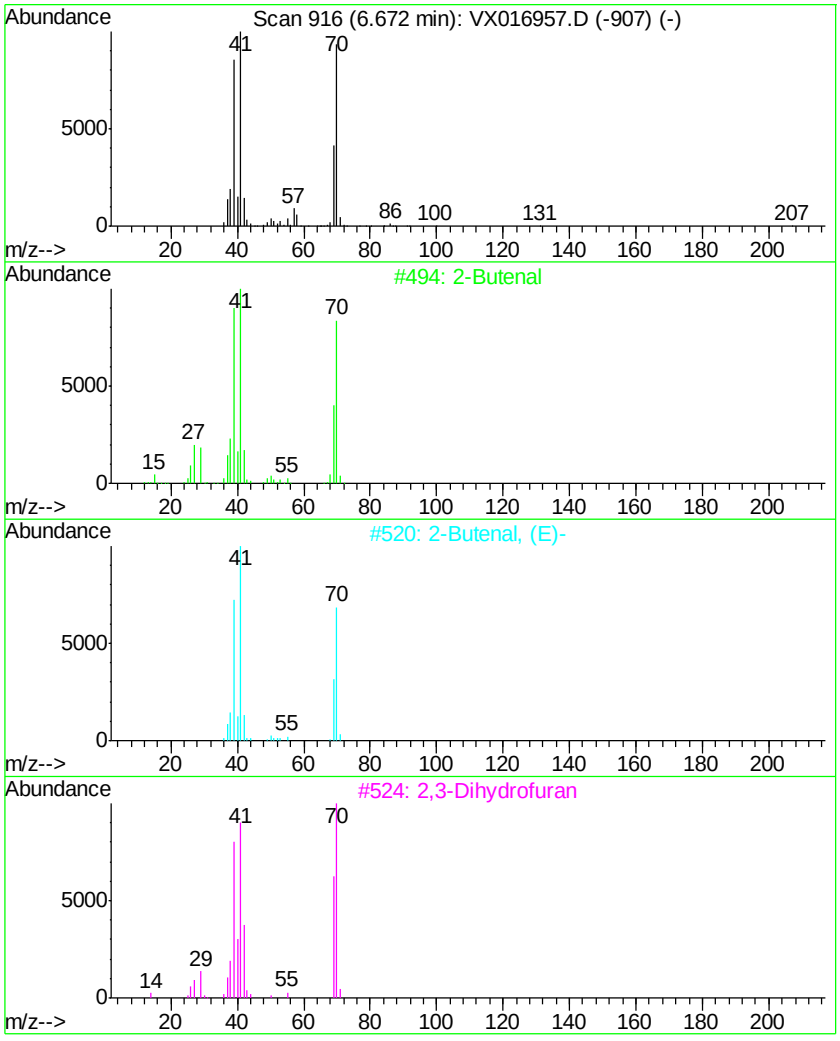
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

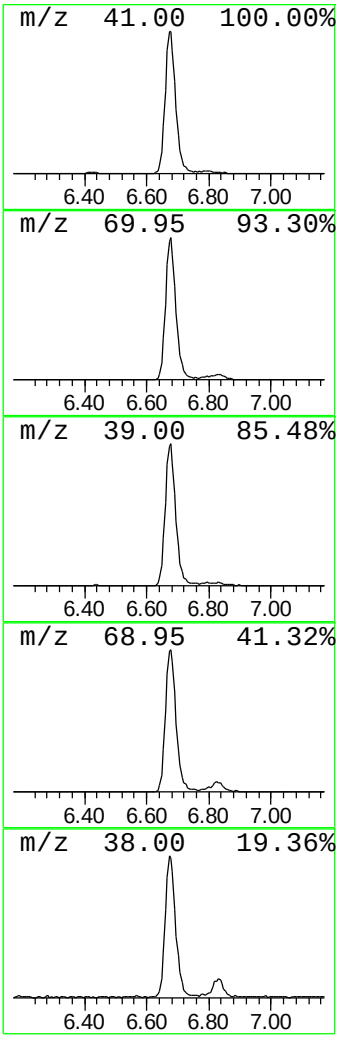
****

Peak Number 4 2-Butenal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	58.75 ug/l	1051560	1,4-Difluorobenzene	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal	70	C4H6O	004170-30-3	94
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	91
3	2,3-Dihydrofuran	70	C4H6O	001191-99-7	90
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	90
5	Methacrolein	70	C4H6O	000078-85-3	80





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Operator : JC/SP
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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

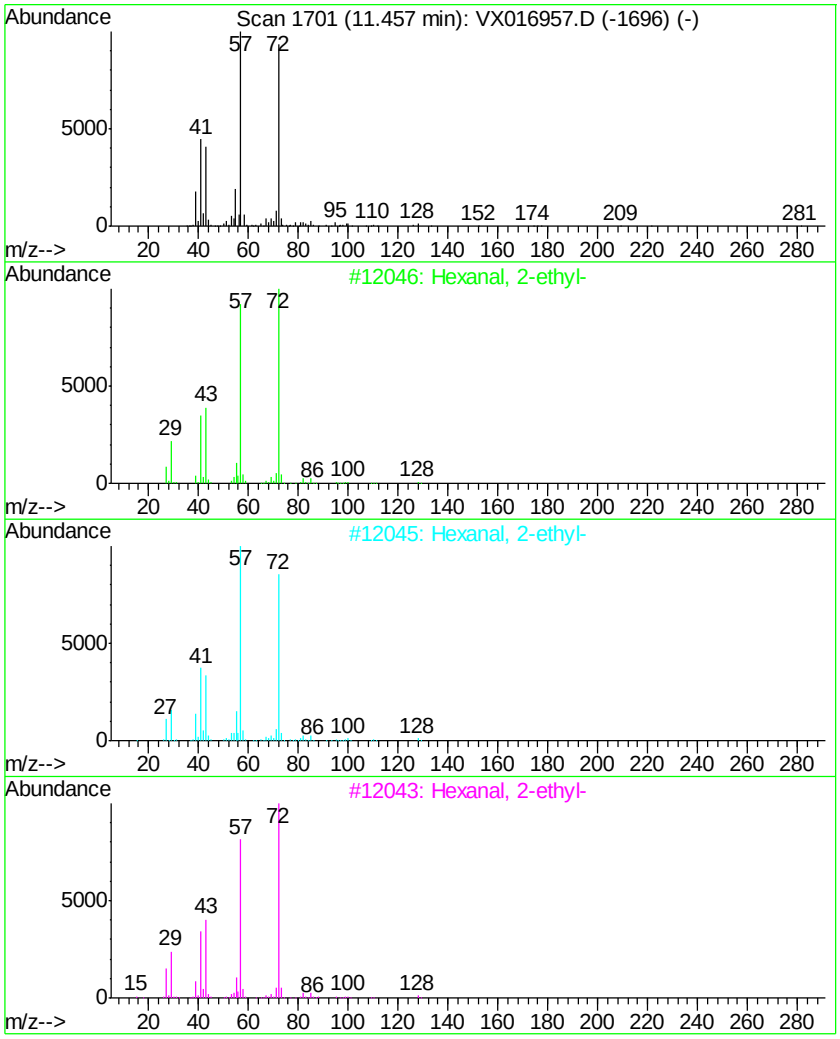
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

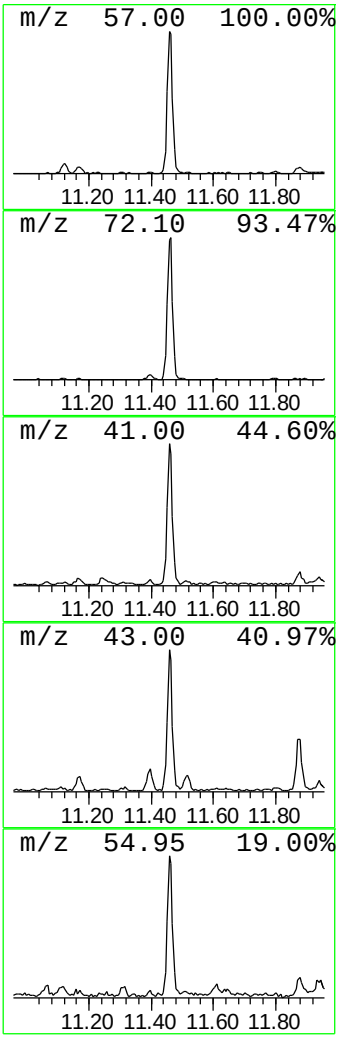
****

Peak Number 5 Hexanal, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	9.29 ug/l	196126	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	91
2	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	90
3	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	90
4	trans-1-Butene,1-butoxy-	128	C8H16O	1000139-52-8	72
5	1,3-Cyclobutanediol, 2,2,4,4-tet...	144	C8H16O2	003010-96-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
Data File : VX016957.D
Acq On : 25 Jun 2020 16:36
Operator : JC/SP
Sample : L3076-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : EFF-WW

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

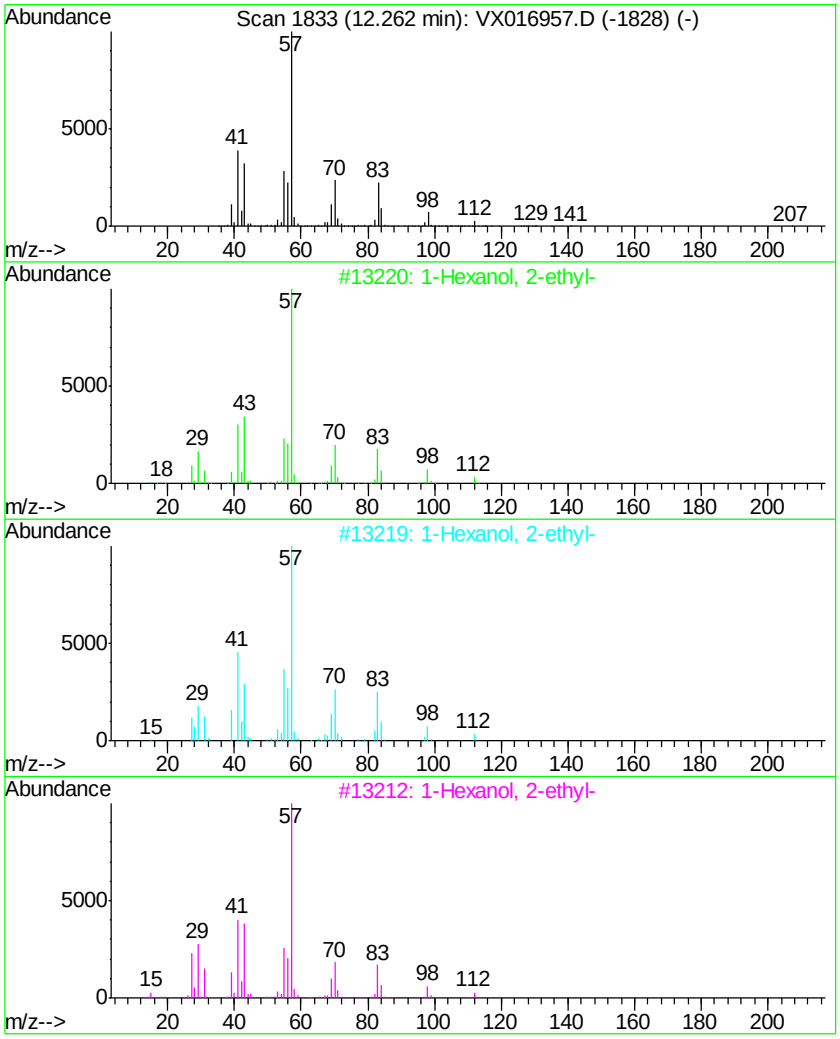
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

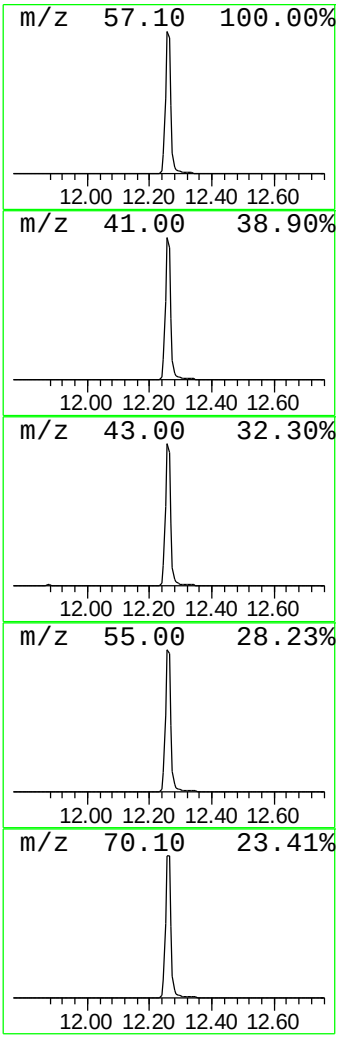
****

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	621.79 ug/l	13126300	Chlorobenzene-d5	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062520\
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ClientSampleId : EFF-WW

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
Ethanol	2.09	55.9	ug/l	543444	1	4.98	291785	30.0
Propanal	2.33	28.7	ug/l	279429	1	4.98	291785	30.0
Butanal	4.30	67.2	ug/l	653606	1	4.98	291785	30.0
2-Butenal	6.67	58.8	ug/l	1051560	2	6.84	536999	30.0
Hexanal, 2-ethyl-	11.46	9.3	ug/l	196126	3	10.10	633311	30.0
1-Hexanol, 2-ethyl-	12.26	621.8	ug/l	13126300	3	10.10	633311	30.0