LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

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\624X021319W.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	1.611	66	75	78	rBV2	21643	41585	1.01%	0.400%
2	2.117	153	158	166	rBV	90230	141397	3.43%	1.360%
3	2.446	206	212	225	rVB	146202	249029	6.04%	2.395%
4	3.062	304	313	323	rVB	225407	492951	11.96%	4.741%
5	5.019	623	634	647	rBV	143647	410373	9.96%	3.947%
6	5.220	658	667	674	rVB3	16009	46997	1.14%	0.452%
7	6.068	795	806	815	rBV	141046	362173	8.79%	3.483%
8	6.860	927	936	951	rBV	298890	700479	17.00%	6.737%
9	7.317	1003	1011	1025	rBV	116409	250684	6.08%	2.411%
10	7.775	1080	1086	1092	rBV	38170	69806	1.69%	0.671%
11	8.713	1234	1240	1247	rVV	605973	943401	22.89%	9.073%
12	9.640	1387	1392	1397	rBV	66603	87746	2.13%	0.844%
13	10.110	1460	1469	1481	rBV	557898	808703	19.62%	7.777%
14	10.292	1494	1499	1507	rBV	3424965	4121539	100.00%	39.638%
15	10.561	1539	1543	1549	rBV	60769	76483	1.86%	0.736%
16	10.811	1579	1584	1594	rBV	549139	656068	15.92%	6.310%
17	11.134	1631	1637	1645	rBV	450716	586934	14.24%	5.645%
18	11.737	1731	1736	1742	rBV	37773	47207	1.15%	0.454%
19	11.804	1743	1747	1757	rVB	34690	49414	1.20%	0.475%
20	11.926	1763	1767	1775	rVB	63704	79045	1.92%	0.760%
21	12.268	1817	1823	1830	rBV	125089	176026	4.27%	1.693%

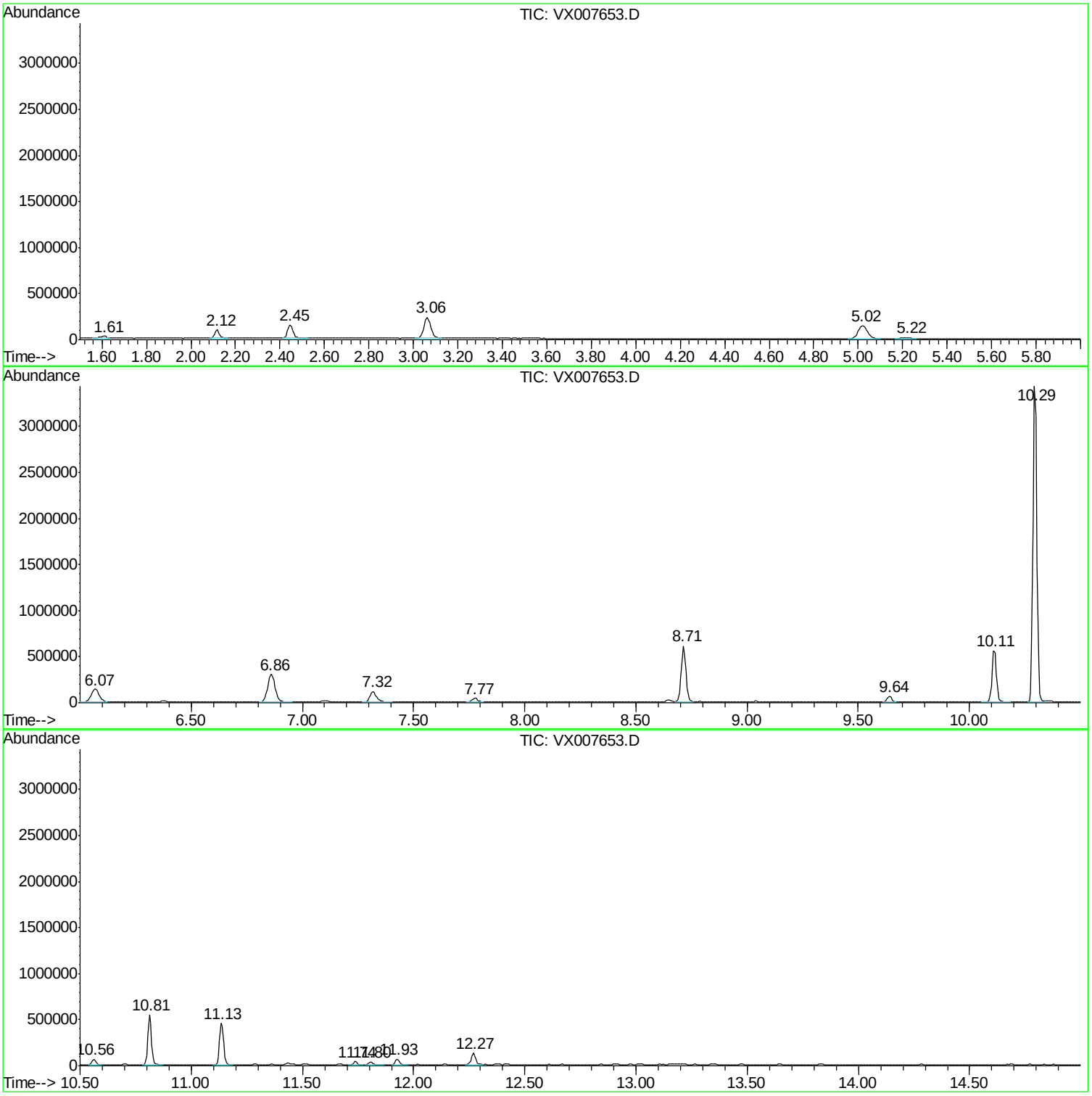
Sum of corrected areas: 10398040

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.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\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

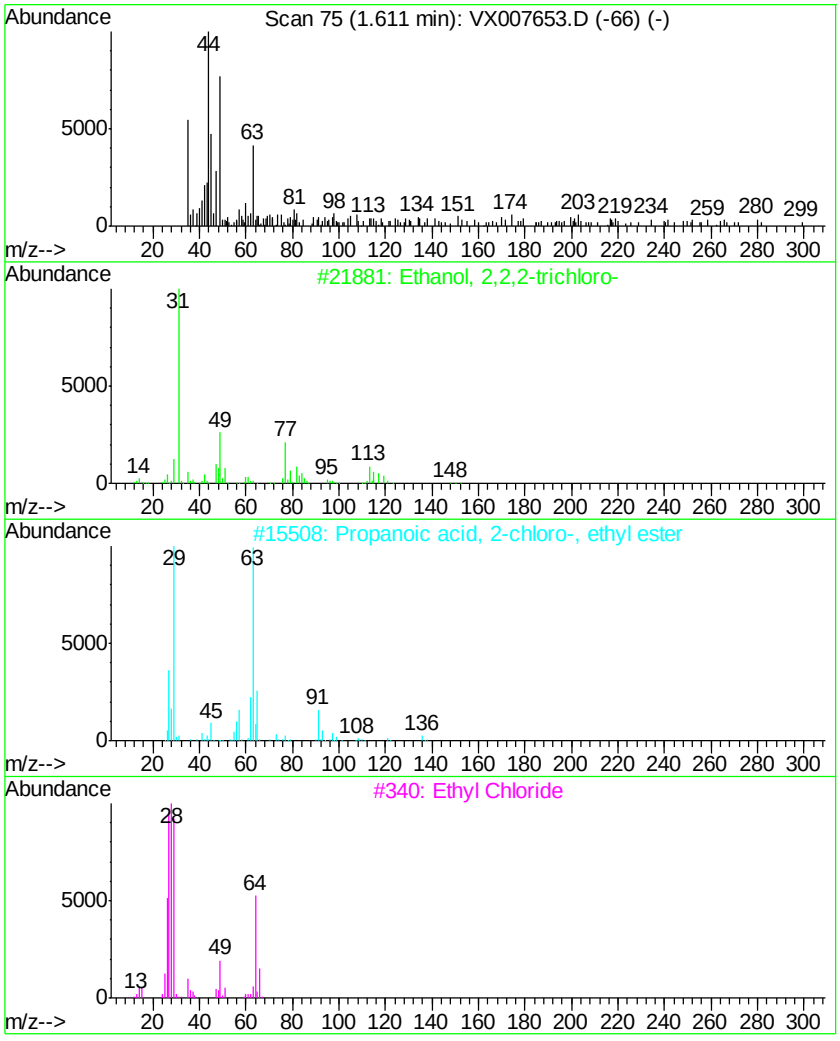
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

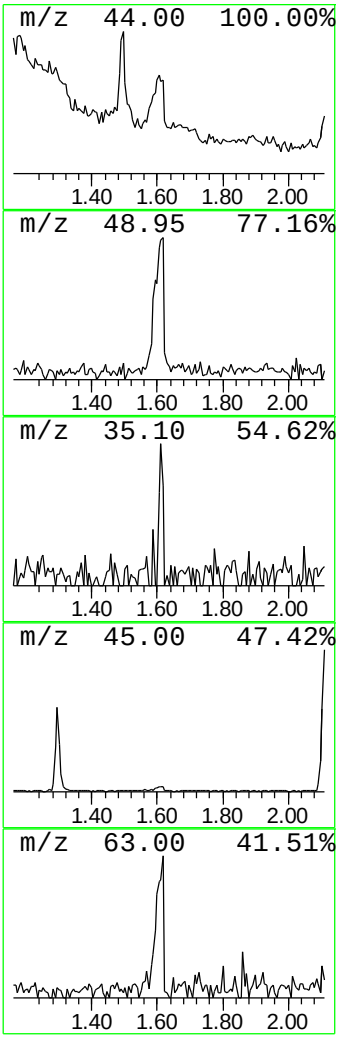
****

Peak Number 1 unknown1.61 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.61	3.04 ug/l	41585	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2,2,2-trichloro-	148	C2H3Cl3O	000115-20-8	12
2	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	10
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
4	Phenol, 4-(2-aminopropyl)-	151	C9H13NO	000103-86-6	9
5	Chloromethanesulfonyl chloride	148	CH2Cl2O2S	003518-65-8	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

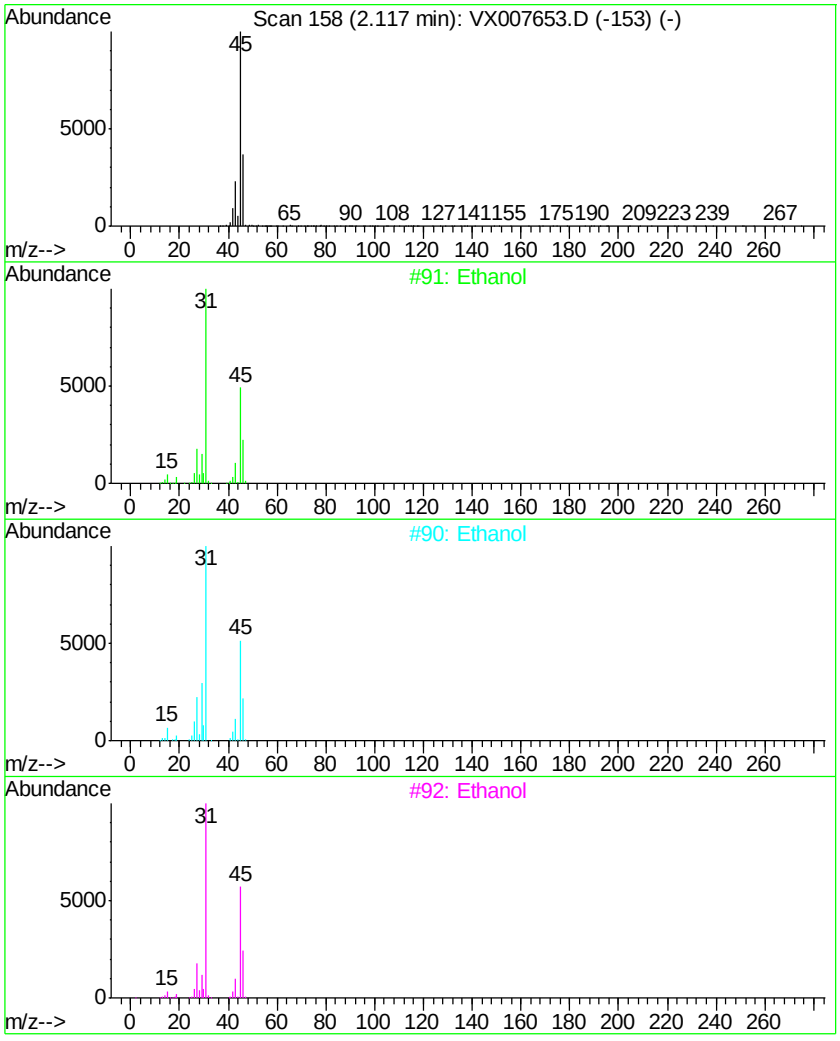
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

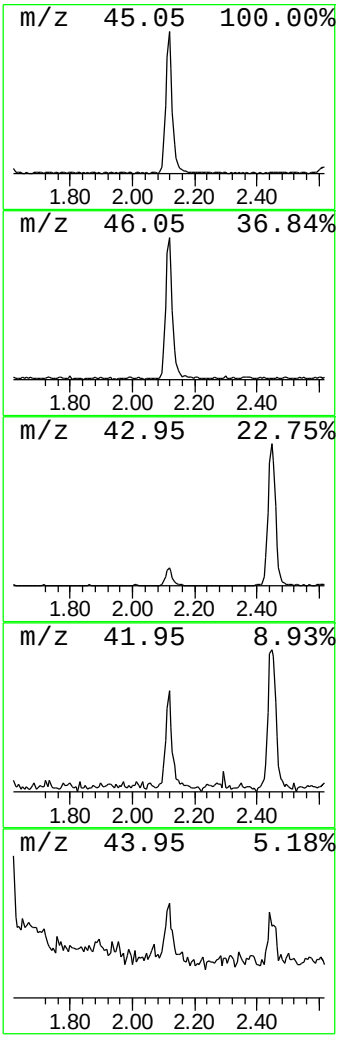
****

Peak Number 2 unknown2.12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	10.34 ug/l	141397	Bromochloromethane	5.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	40
2	Ethanol	46	C2H6O	000064-17-5	9
3	Ethanol	46	C2H6O	000064-17-5	9
4	FORMALDEHYDE OXIME TRIMER	135	C3H9N3O3	1000234-87-0	7
5	Methoxyacetic acid, isopropyl ester	132	C6H12O3	017640-21-0	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

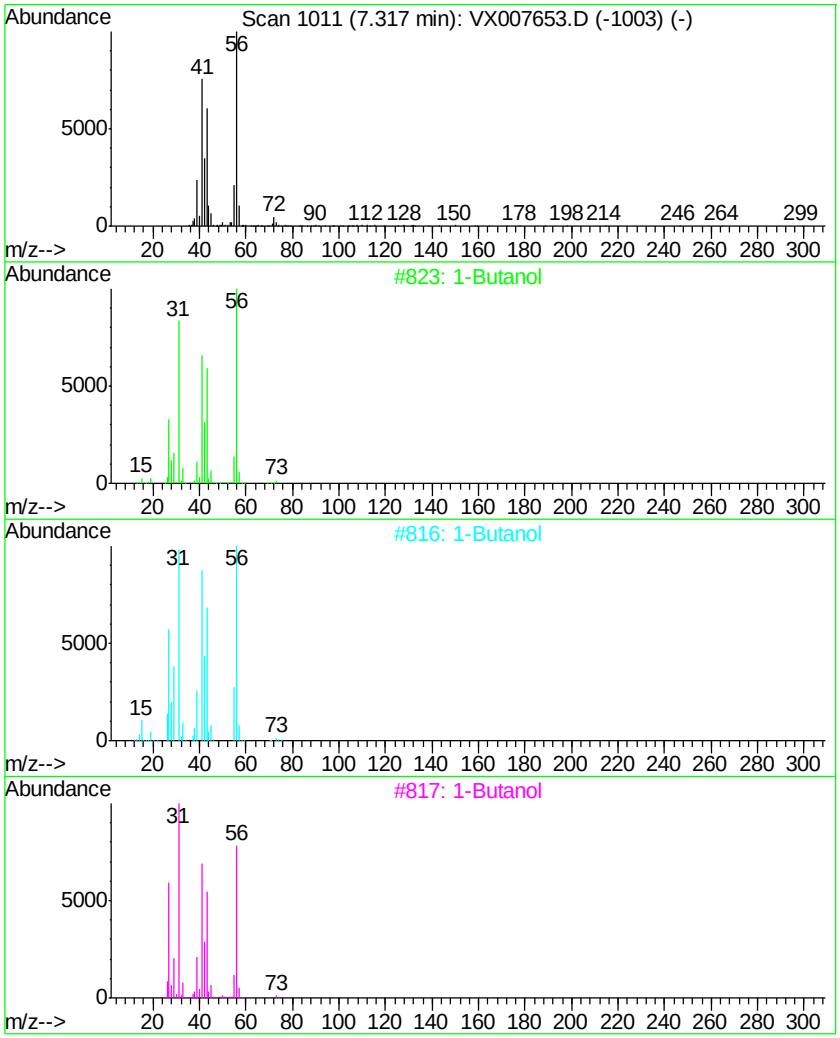
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

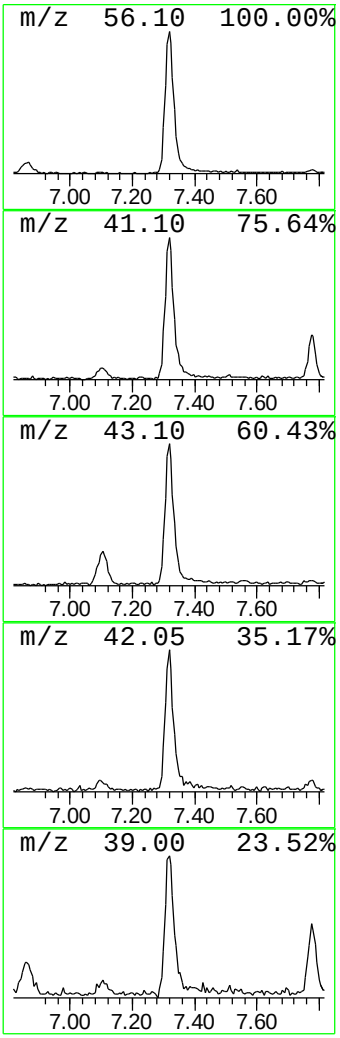
****

Peak Number 3 1-Butanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	10.74 ug/l	250684	1,4-Difluorobenzene	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	80
2	1-Butanol	74	C4H10O	000071-36-3	80
3	1-Butanol	74	C4H10O	000071-36-3	72
4	1-Butanol	74	C4H10O	000071-36-3	56
5	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

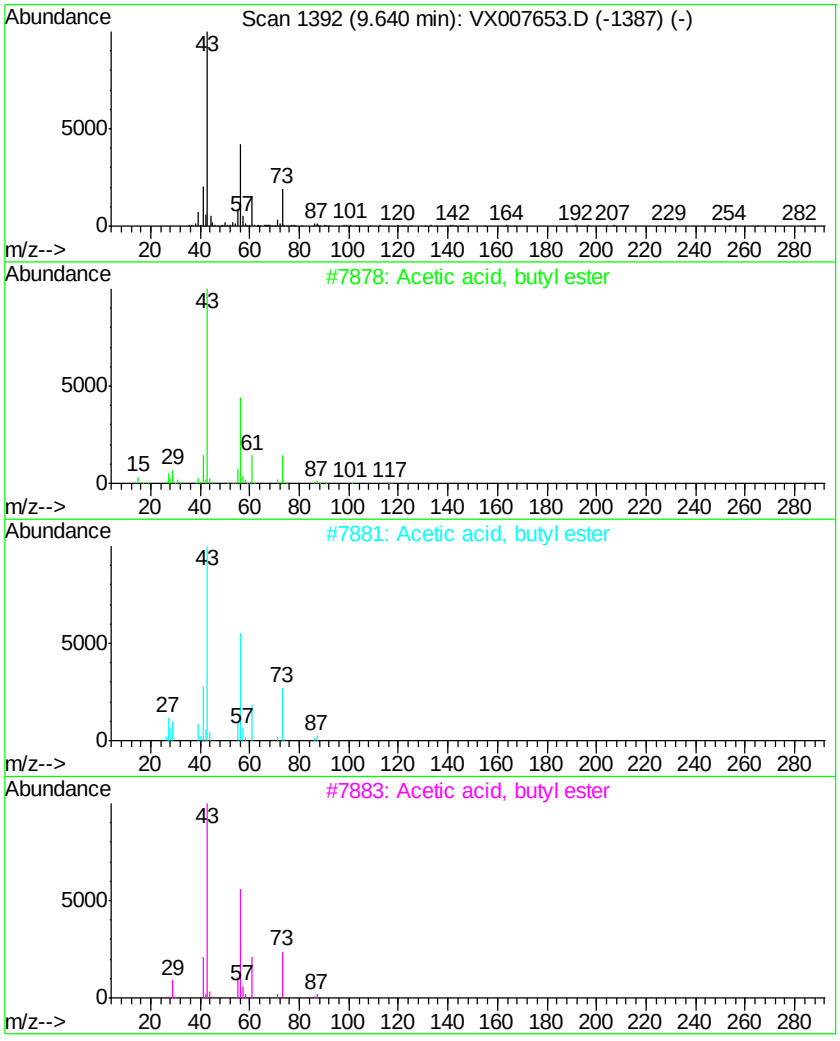
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

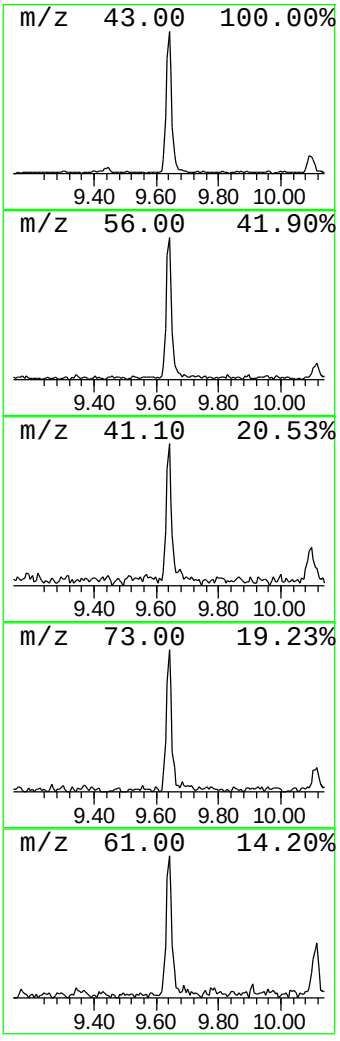
****

Peak Number 4 Acetic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	3.26 ug/l	87746	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	59
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	59
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	53
5	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

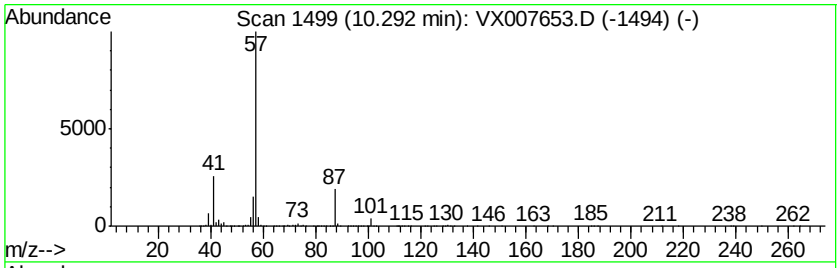
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

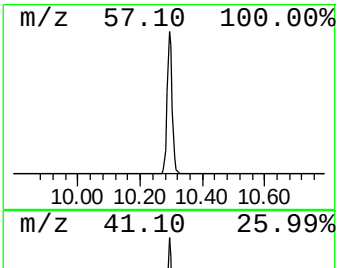
****

Peak Number 5 n-Butyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	152.89 ug/l	4121540	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyl ether	130	C8H18O	000142-96-1	78
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	56
3	n-Butyl ether	130	C8H18O	000142-96-1	50
4	n-Butyl ether	130	C8H18O	000142-96-1	40
5	Sulfurous acid, dibutyl ester	194	C8H18O3S	000626-85-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

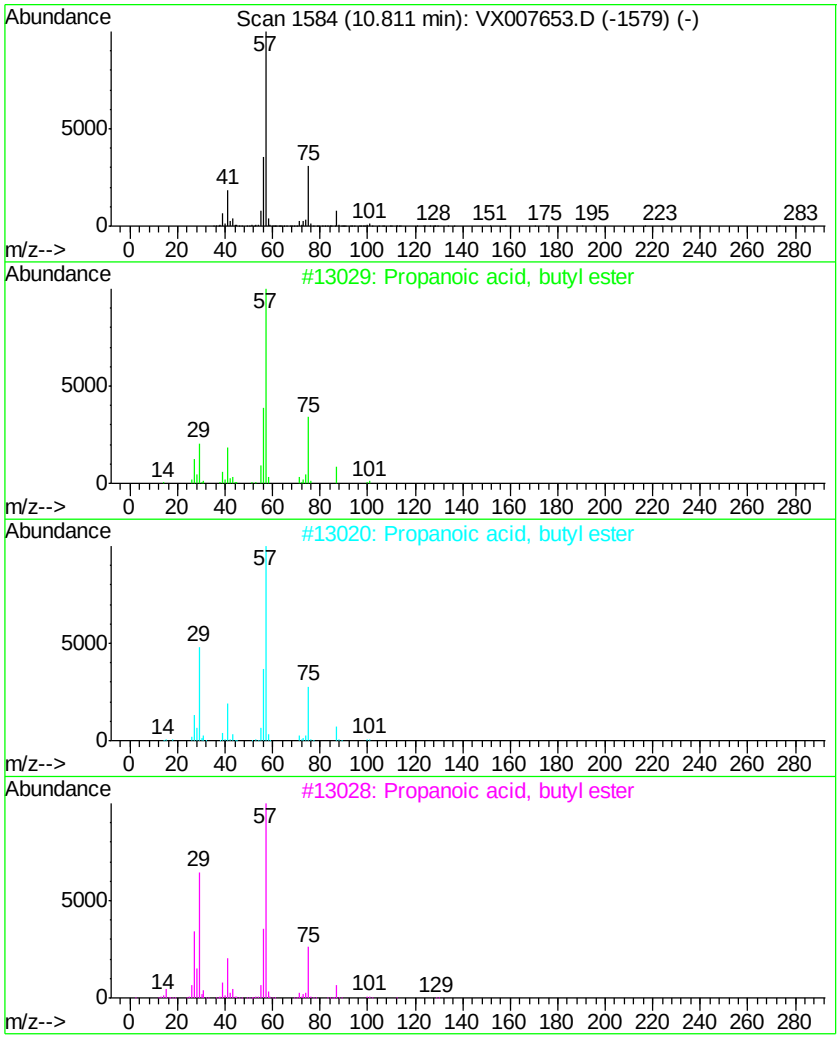
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

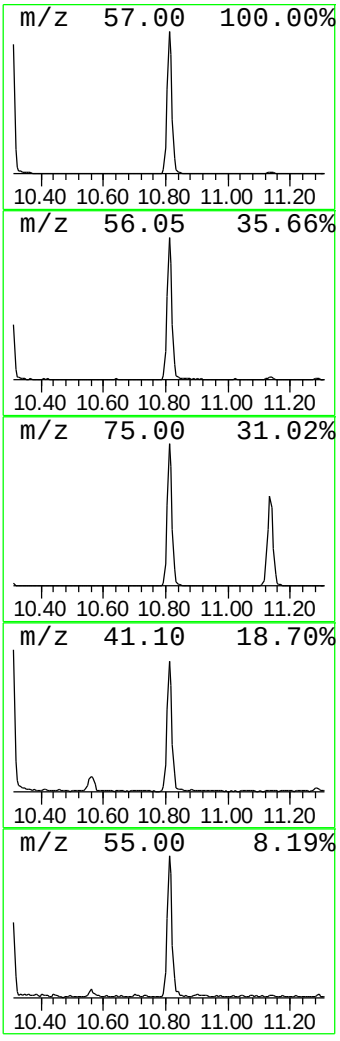
****

Peak Number 6 Propanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	24.34 ug/l	656068	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	90
2	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	83
3	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	74
4	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	42
5	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

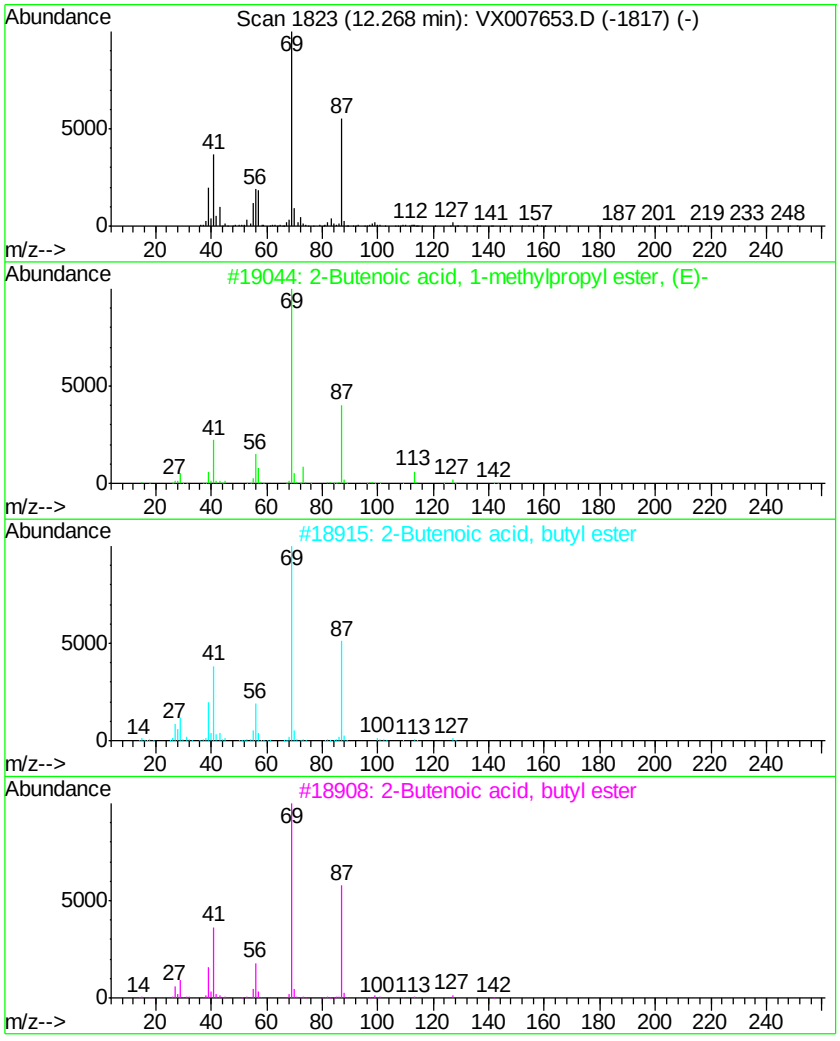
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

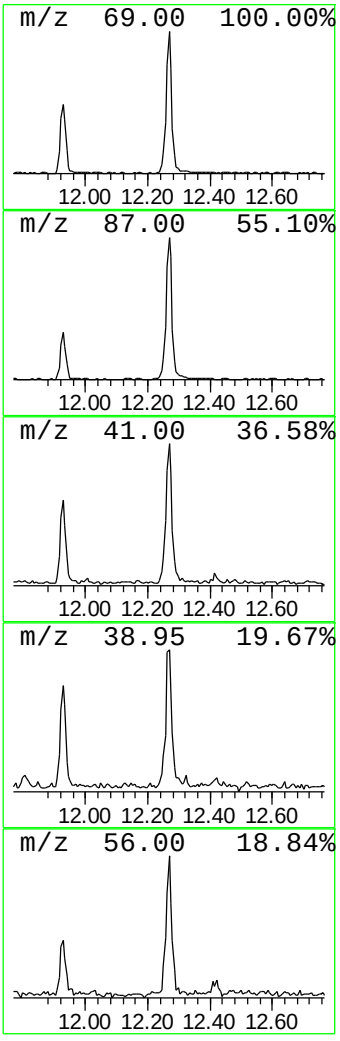
****

Peak Number 7 2-Butenoic acid, 1-methylpr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	6.53 ug/l	176026	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 1-methylpropyl ...	142	C8H14O2	010371-45-6	78
2	2-Butenoic acid, butyl ester	142	C8H14O2	007299-91-4	78
3	2-Butenoic acid, butyl ester	142	C8H14O2	007299-91-4	78
4	4-Octanol, 2-methyl-	144	C9H20O	040575-41-5	72
5	2-Propenoic acid, 2-methyl-, pro...	128	C7H12O2	002210-28-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022219\
Data File : VX007653.D
Acq On : 22 Feb 2019 12:16
Operator : JC/SP
Sample : K1568-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : 55-ST-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.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
unknown1.61	1.61	3.0	ug/l	41585	1	5.03	410373	30.0
unknown2.12	2.12	10.3	ug/l	141397	1	5.03	410373	30.0
1-Butanol	7.32	10.7	ug/l	250684	2	6.86	700479	30.0
Acetic acid, buty...	9.64	3.3	ug/l	87746	3	10.12	808703	30.0
n-Butyl ether	10.29	152.9	ug/l	4121540	3	10.12	808703	30.0
Propanoic acid, b...	10.81	24.3	ug/l	656068	3	10.12	808703	30.0
2-Butenoic acid, ...	12.27	6.5	ug/l	176026	3	10.12	808703	30.0