

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042418\
 Data File : VX001103.D
 Acq On : 25 Apr 2018 03:25
 Operator : JC/MD
 Sample : J2463-06 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW014-180417

Quant Time: Apr 25 08:21:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	309075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160404	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146566	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	110288	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.72	98	437611	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.14	95	152356	41.66	ug/l	0.00
Spiked Amount			Recovery	=	83.32%	

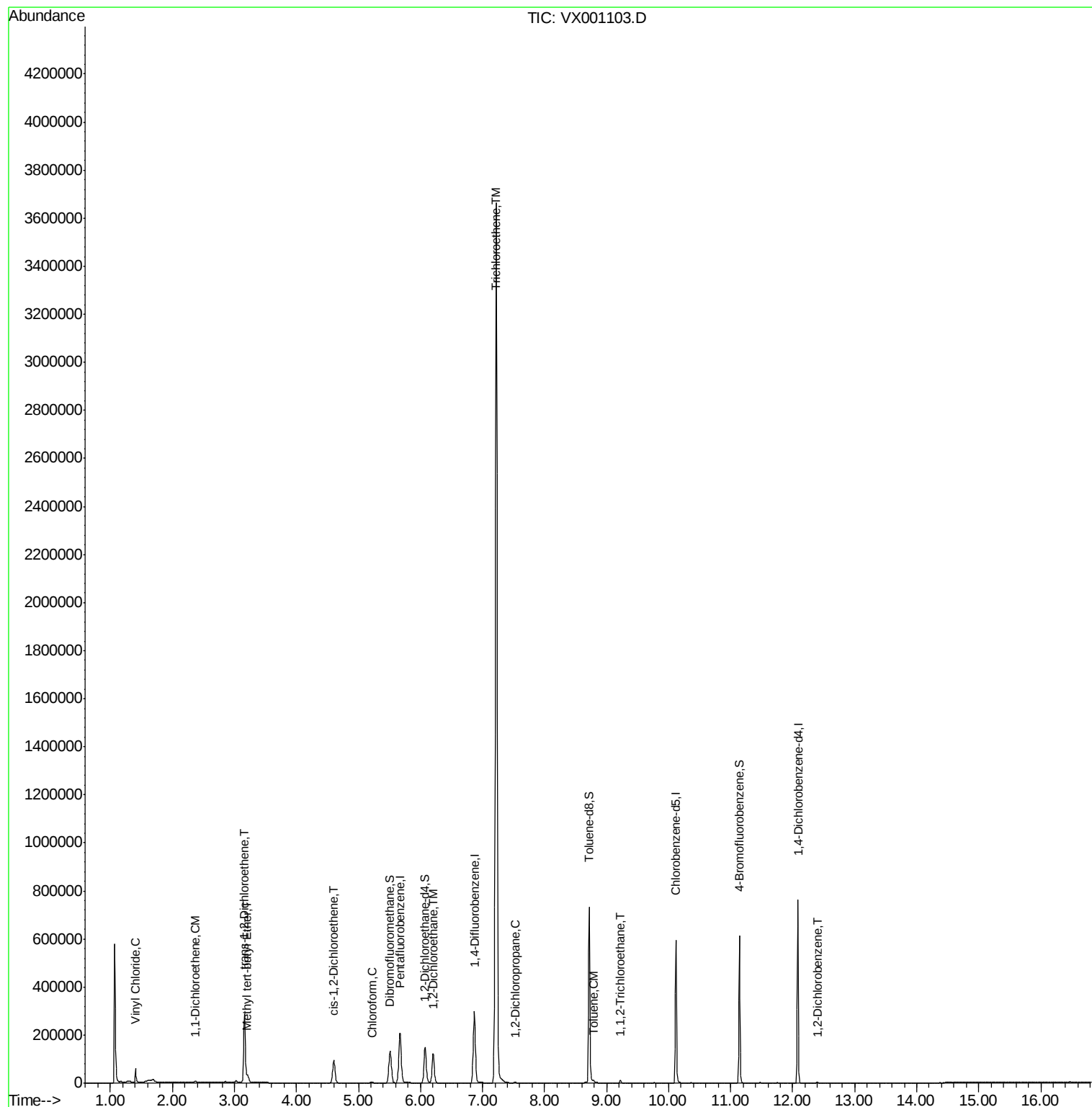
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	39524	14.92	ug/l	98
12) 1,1-Dichloroethene	2.37	96	1144	0.53	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	27932	3.85	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	119896	49.95	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	59885	22.40	ug/l	90
30) Chloroform	5.22	83	2758	0.63	ug/l	92
42) 1,2-Dichloroethane	6.20	62	134011	34.58	ug/l	100
44) Trichloroethene	7.22	130	1441303	467.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1018	0.40	ug/l	98
52) Toluene	8.79	92	2297	0.35	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	3072	1.17	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	1296	0.23	ug/l	89

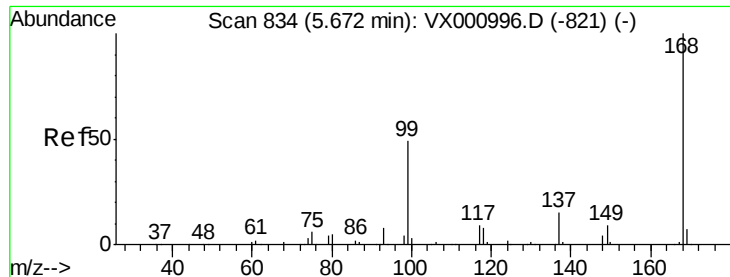
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

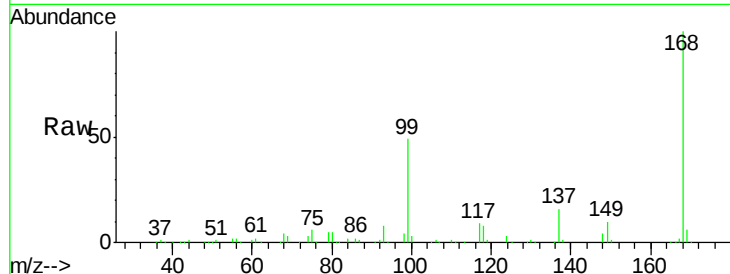
SS043MW014-180417

Tot Ion:168 Resp: 221281

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

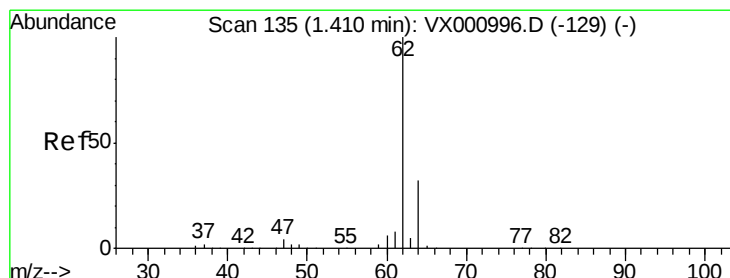
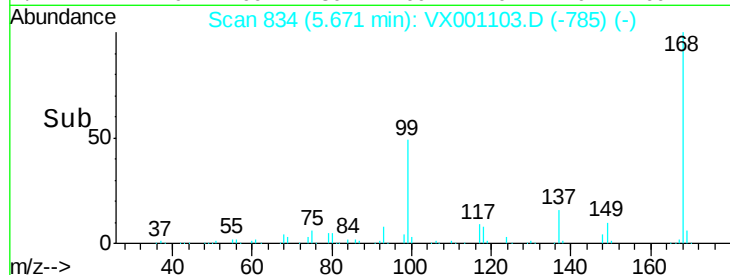
Time-->

5.50

5.60

5.70

5.80



#4

Vinyl Chloride

Concen: 14.92 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001103.D

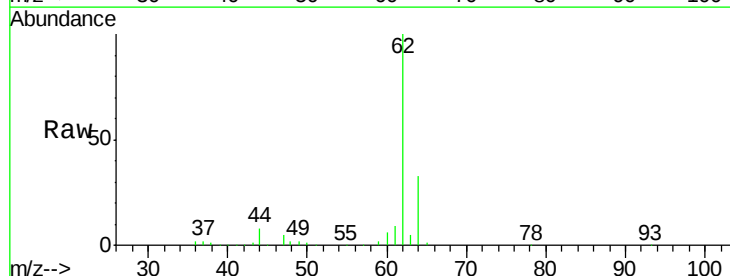
Acq: 25 Apr 2018 03:25

Tgt Ion: 62 Resp: 39524

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

40000

30000

20000

10000

0

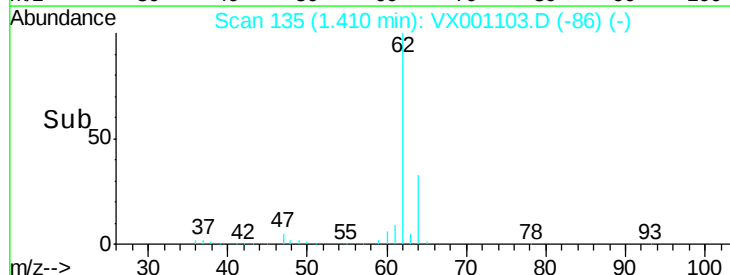
Time-->

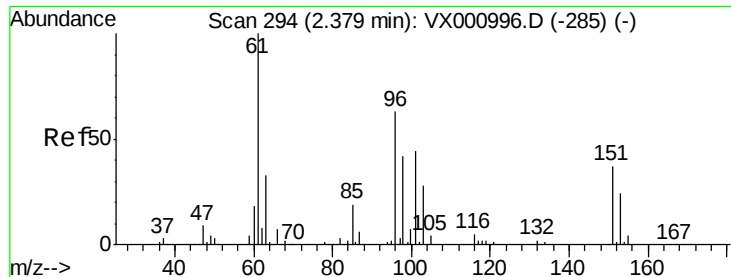
1.35

1.40

1.45

1.50





#12

1,1-Dichloroethene

Concen: 0.53 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

SS043MW014-180417

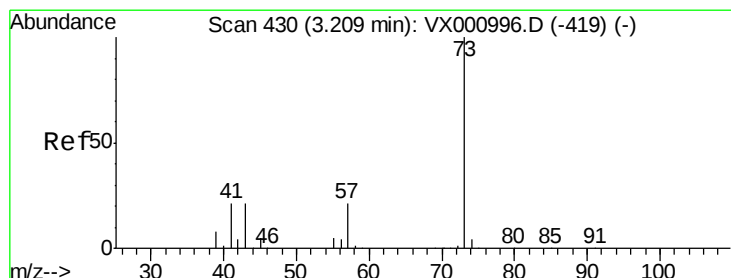
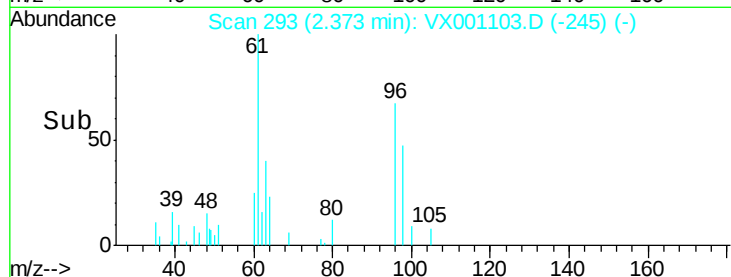
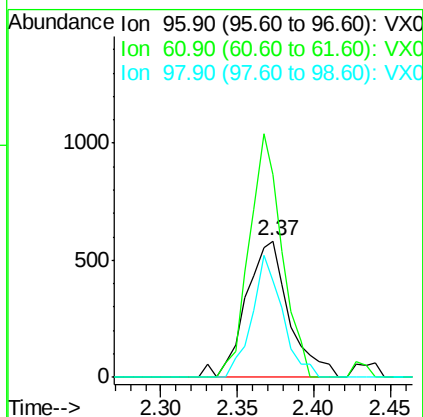
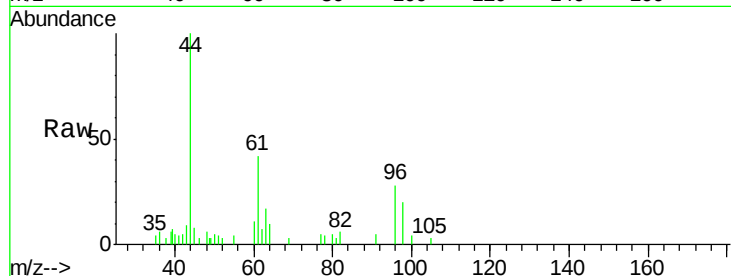
Tot Ion: 96 Resp: 1144

Ion Ratio Lower Upper

96 100

61 149.1 126.4 189.6

98 70.4 52.6 78.8



#19

Methyl tert-butyl Ether

Concen: 3.85 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001103.D

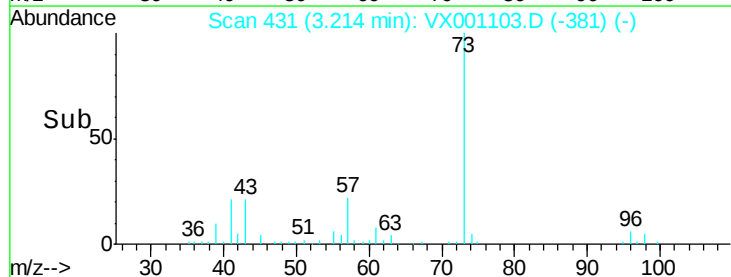
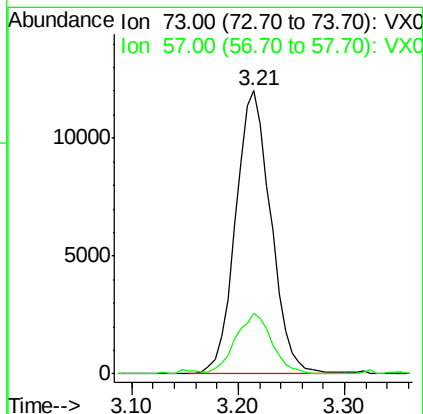
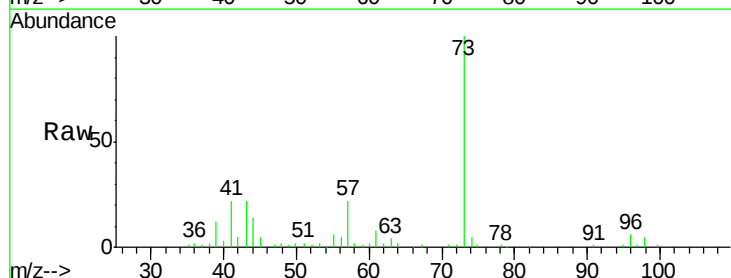
Acq: 25 Apr 2018 03:25

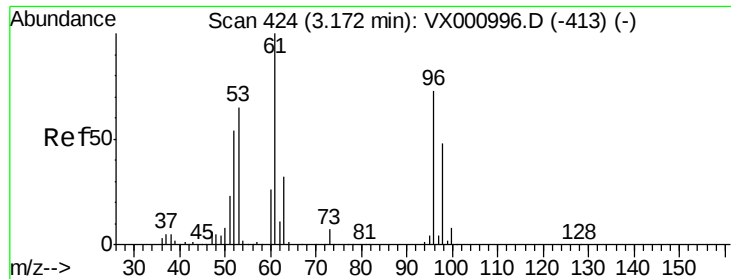
Tgt Ion: 73 Resp: 27932

Ion Ratio Lower Upper

73 100

57 21.5 17.1 25.7





#21

trans-1,2-Dichloroethene

Concen: 49.95 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

SS043MW014-180417

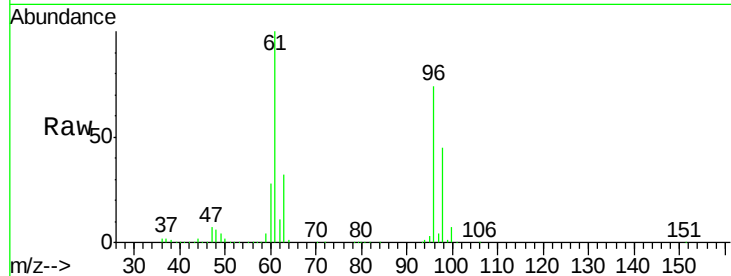
Tot Ion: 96 Resp: 119896

Ion Ratio Lower Upper

96 100

61 135.9 109.4 164.2

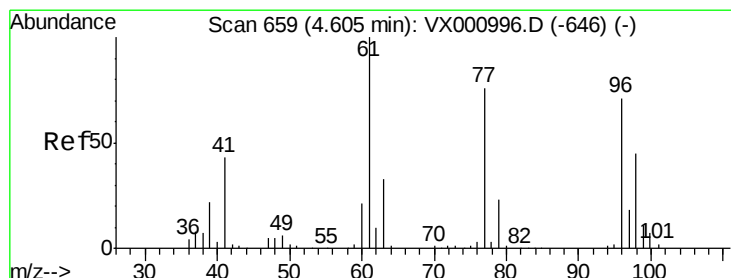
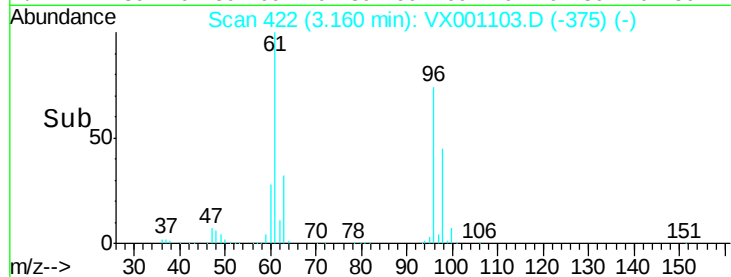
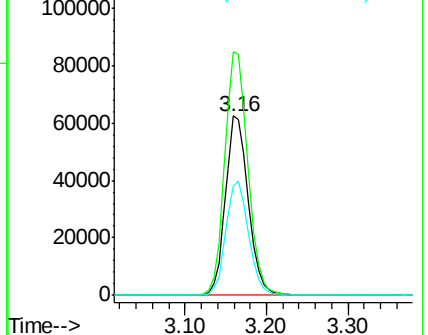
98 61.0 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 22.40 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

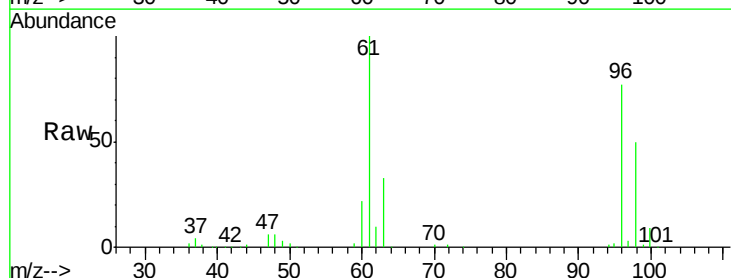
Tgt Ion: 96 Resp: 59885

Ion Ratio Lower Upper

96 100

61 130.3 0.0 297.0

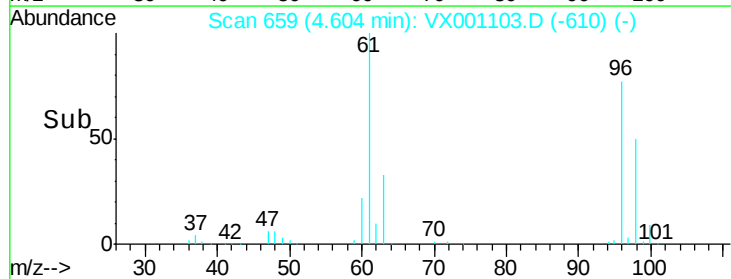
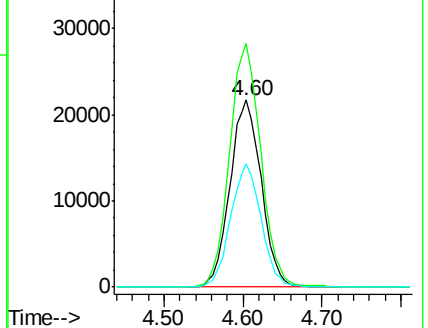
98 64.6 0.0 130.0

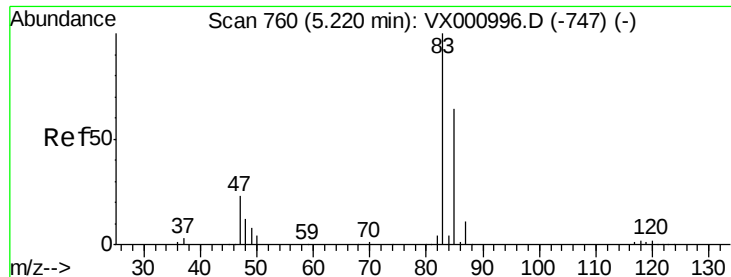


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

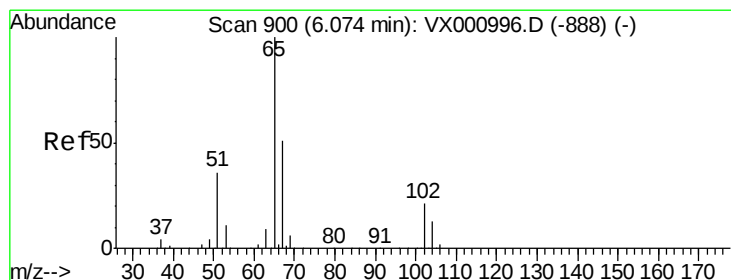
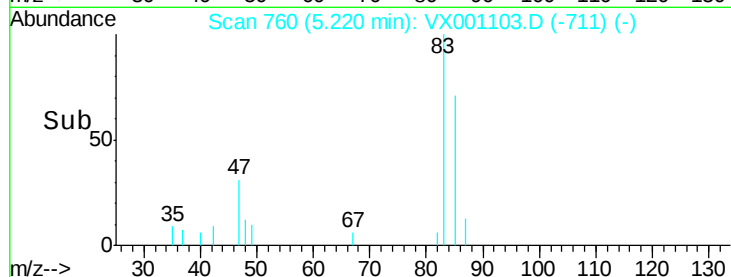
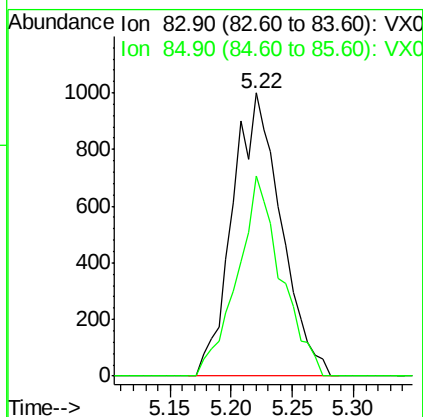
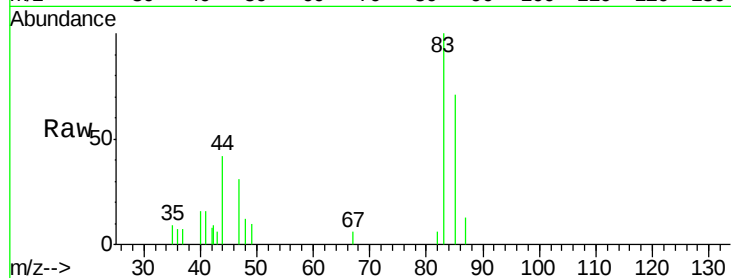




#30
Chloroform
Concen: 0.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001103.D
Acq: 25 Apr 2018 03:25

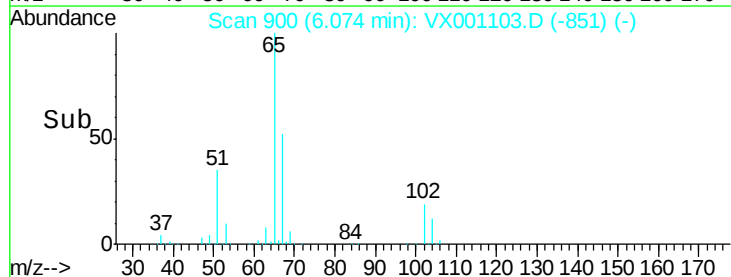
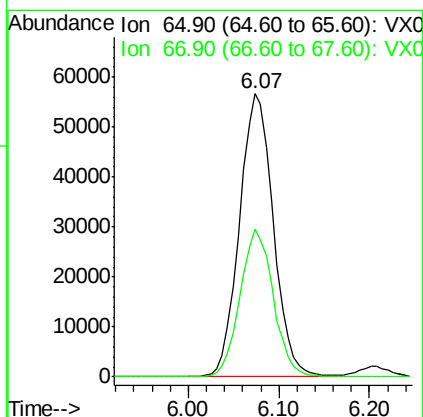
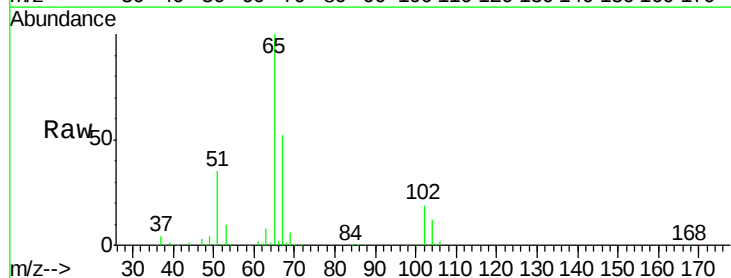
Instrument :
MSVOA_X
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SS043MW014-180417

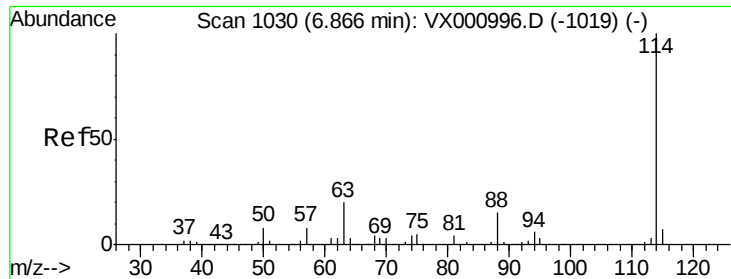
Tot Ion: 83 Resp: 2758
Ion Ratio Lower Upper
83 100
85 70.6 51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 52.25 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX001103.D
Acq: 25 Apr 2018 03:25

Tgt Ion: 65 Resp: 146566
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6

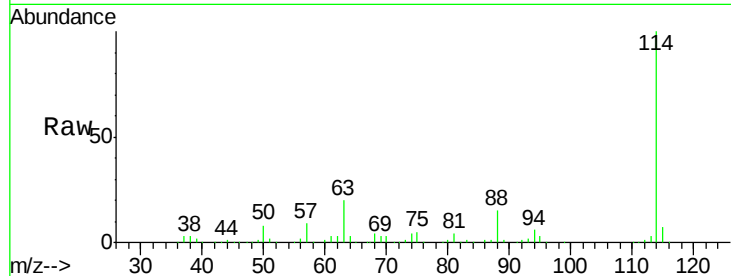




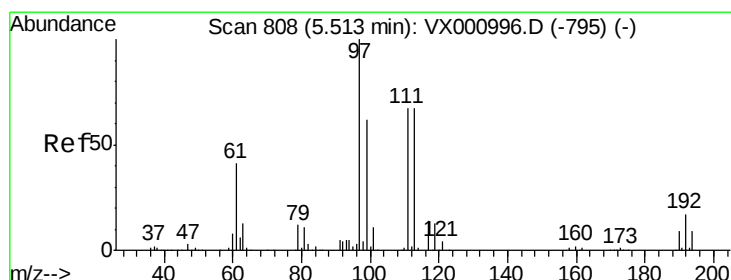
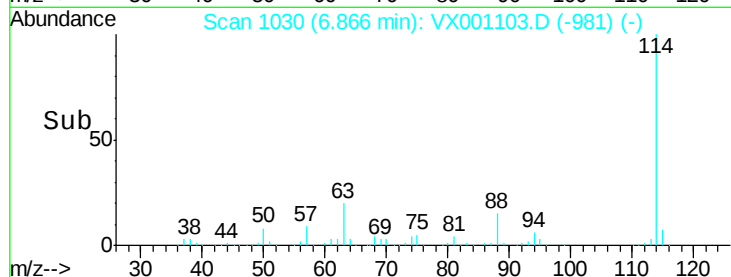
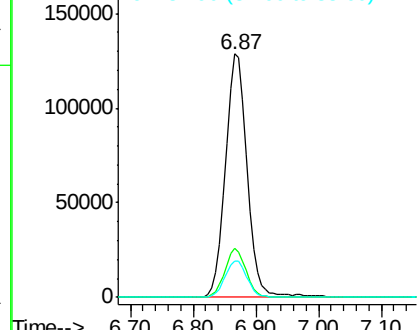
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001103.D
 Acq: 25 Apr 2018 03:25

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW014-180417

Tot Ion:114 Resp: 309075
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 14.6 0.0 29.8

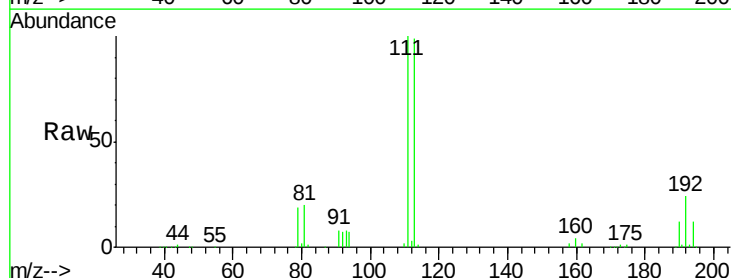


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

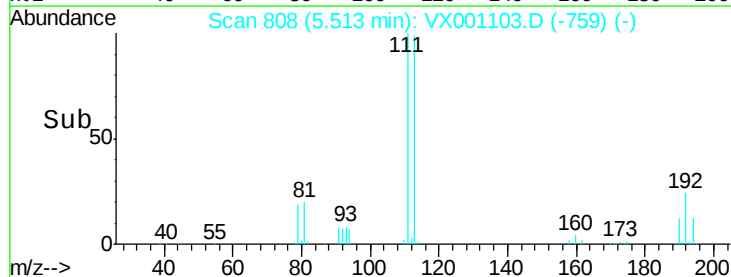
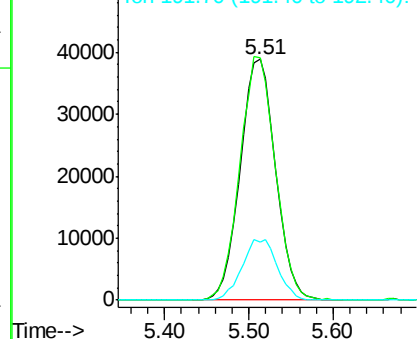


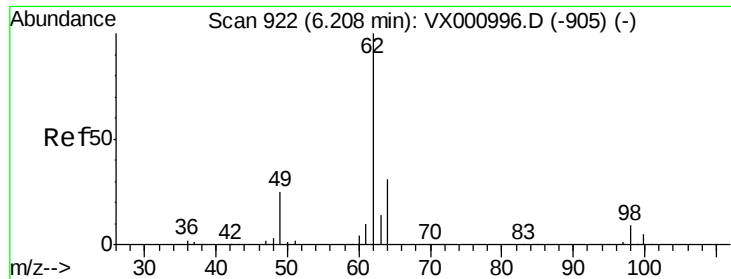
#35
 Dibromofluoromethane
 Concen: 46.80 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001103.D
 Acq: 25 Apr 2018 03:25

Tgt Ion:113 Resp: 110288
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.2
 192 25.4 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#42

1,2-Dichloroethane

Concen: 34.58 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

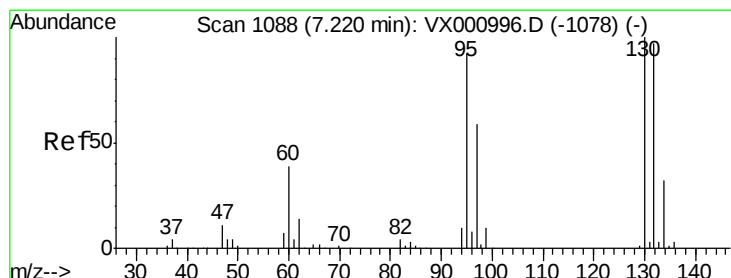
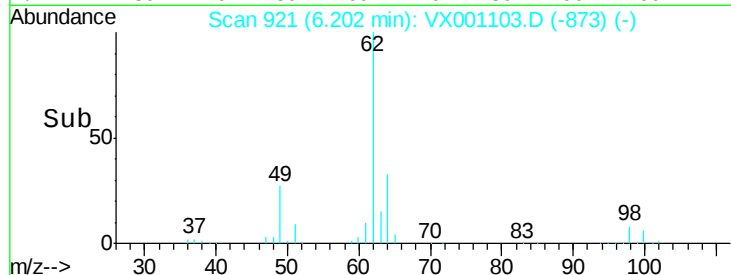
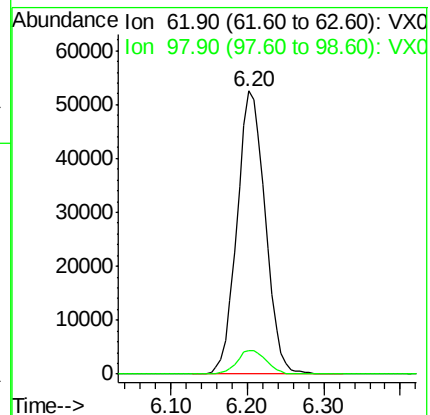
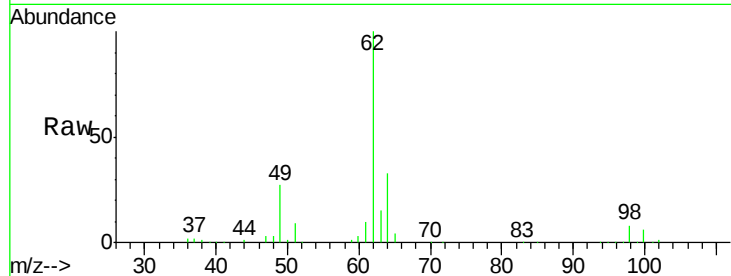
SS043MW014-180417

Tot Ion: 62 Resp: 134011

Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.6



#44

Trichloroethene

Concen: 467.20 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001103.D

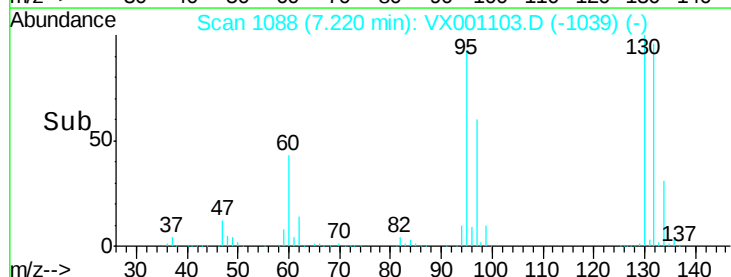
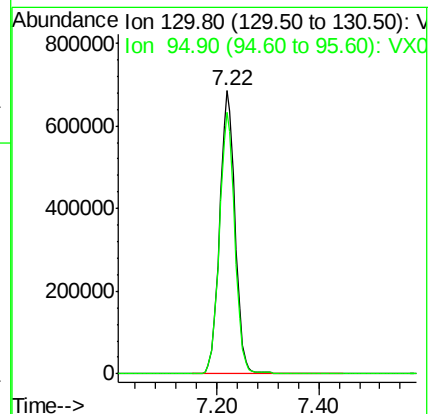
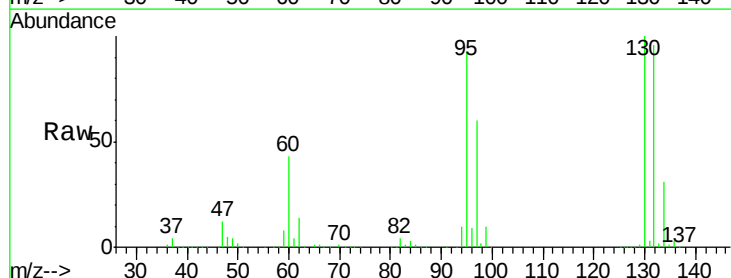
Acq: 25 Apr 2018 03:25

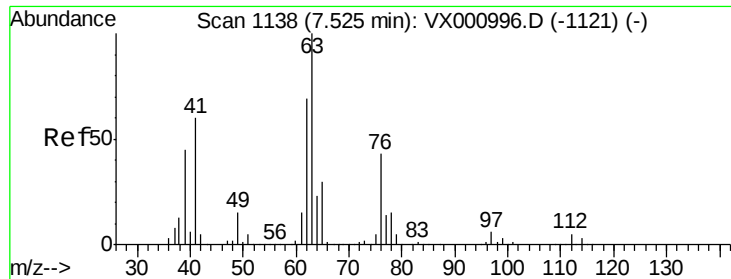
Tgt Ion:130 Resp: 1441303

Ion Ratio Lower Upper

130 100

95 92.6 0.0 184.2





#45

1,2-Dichloropropane

Concen: 0.40 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

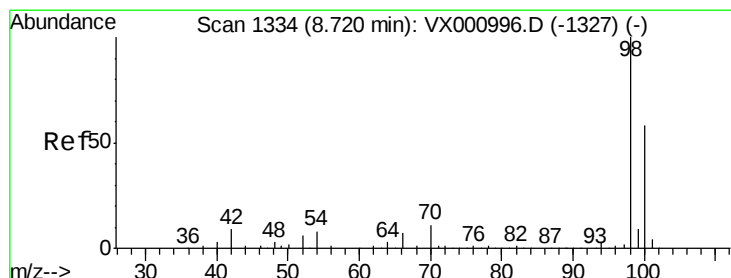
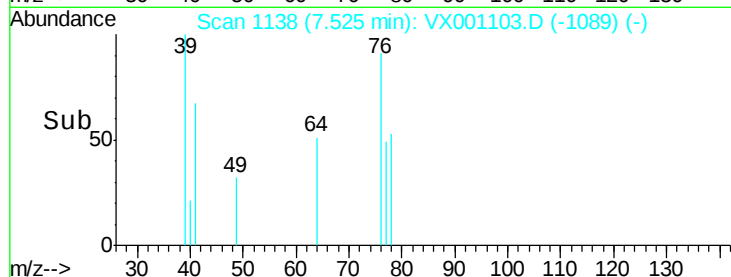
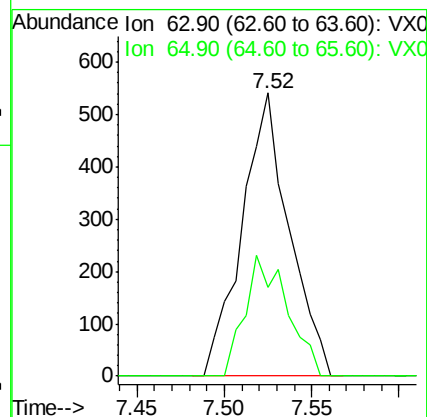
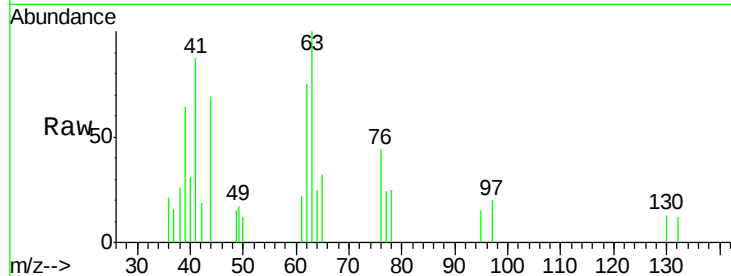
SS043MW014-180417

Tot Ion: 63 Resp: 1018

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



#50

Toluene-d8

Concen: 50.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001103.D

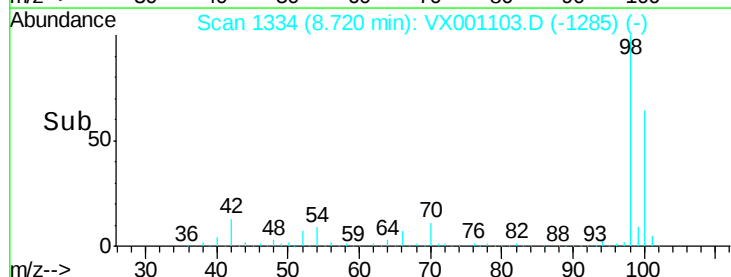
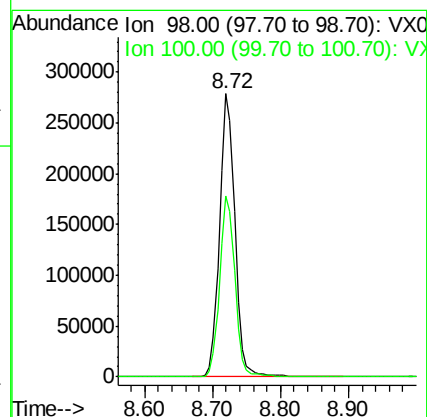
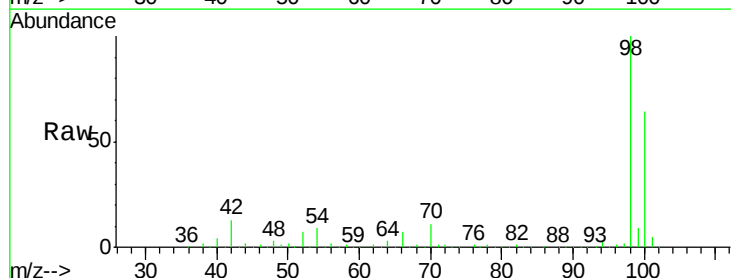
Acq: 25 Apr 2018 03:25

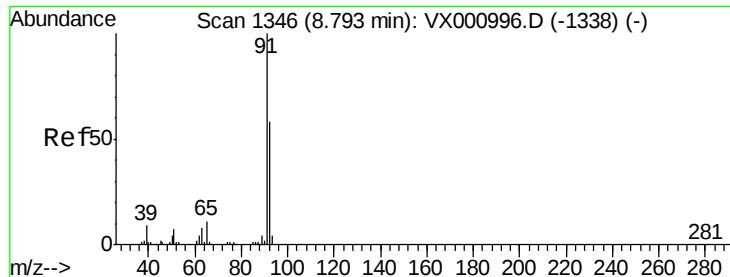
Tgt Ion: 98 Resp: 437611

Ion Ratio Lower Upper

98 100

100 63.5 51.9 77.9





#52

Toluene

Concen: 0.35 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

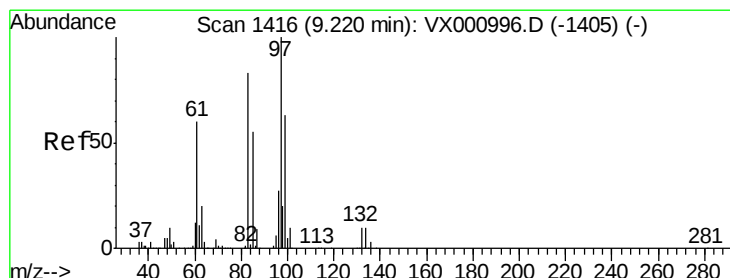
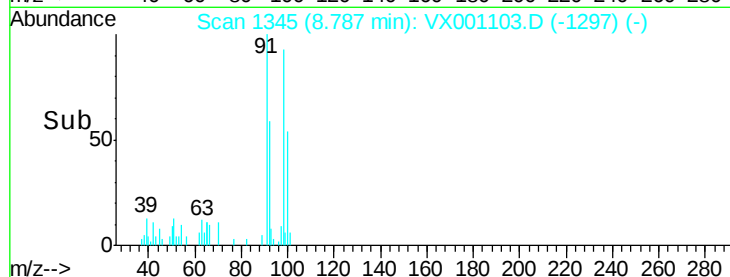
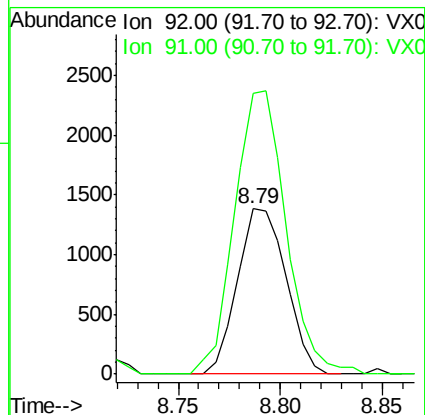
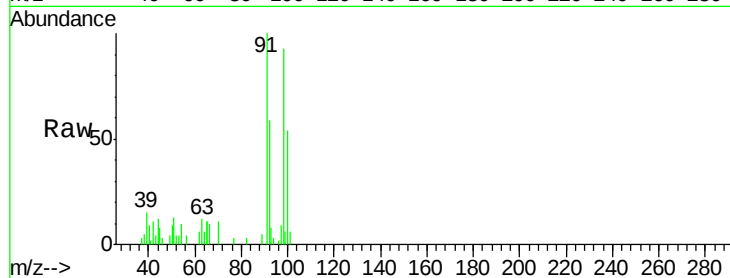
SS043MW014-180417

Tot Ion: 92 Resp: 2297

Ion Ratio Lower Upper

92 100

91 180.5 138.2 207.4



#55

1,1,2-Trichloroethane

Concen: 1.17 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Tgt Ion: 97 Resp: 3072

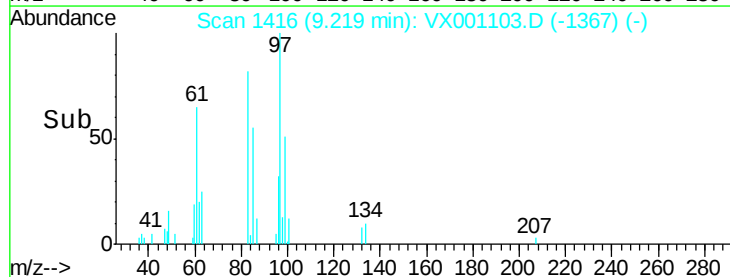
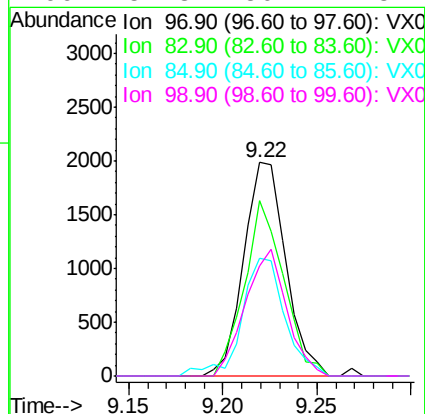
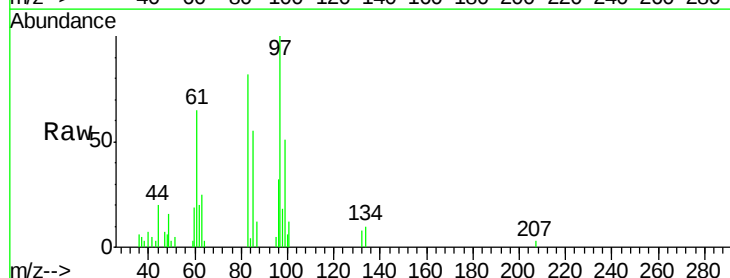
Ion Ratio Lower Upper

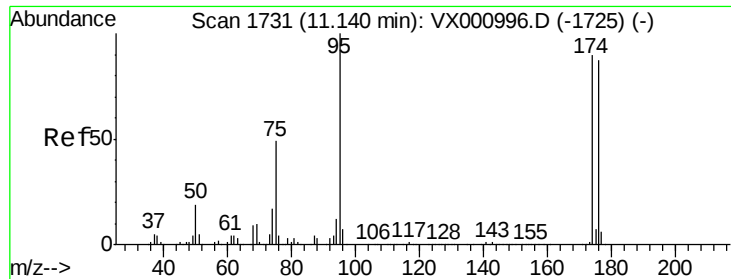
97 100

83 81.9 66.2 99.4

85 55.4 44.2 66.4

99 51.3 50.2 75.4

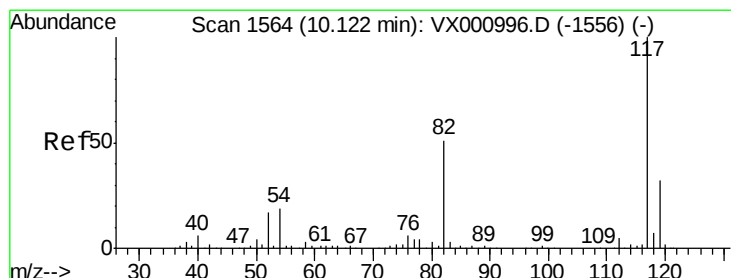
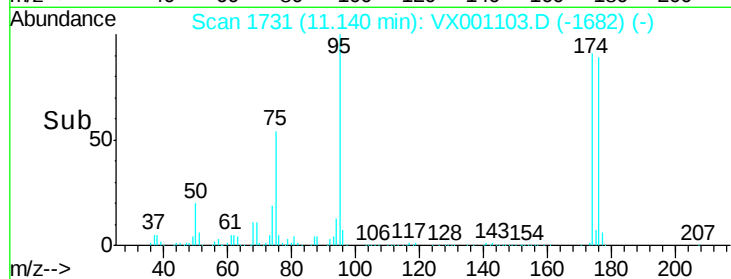
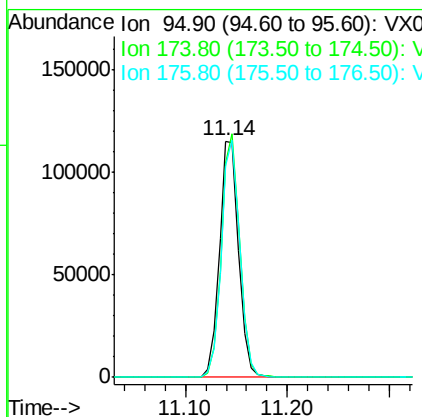
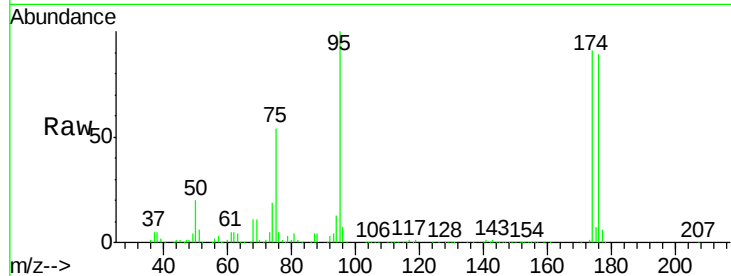




#62
4-Bromofluorobenzene
Concen: 41.66 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001103.D
Acq: 25 Apr 2018 03:25

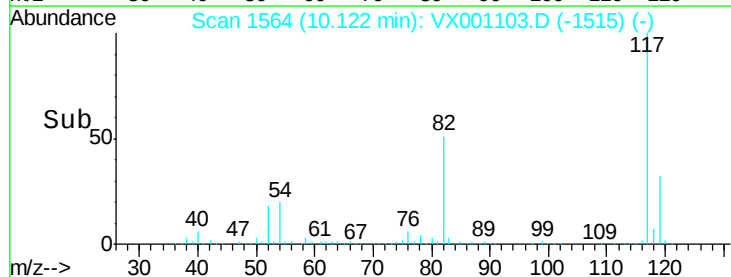
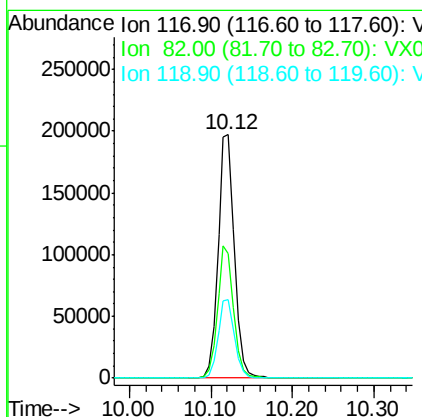
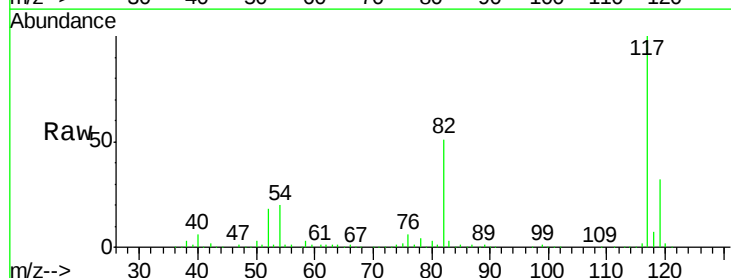
Instrument :
MSVOA_X
ClientSampleId :
SS043MW014-180417

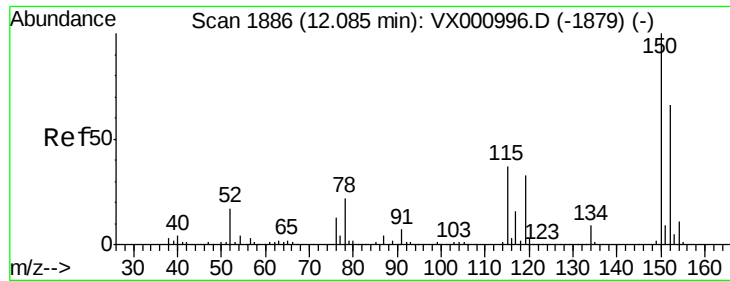
Tot Ion: 95 Resp: 152356
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 96.2 0.0 192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001103.D
Acq: 25 Apr 2018 03:25

Tgt Ion: 117 Resp: 277454
Ion Ratio Lower Upper
117 100
82 51.4 40.6 60.8
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

Instrument :

MSVOA_X

ClientSampleId :

SS043MW014-180417

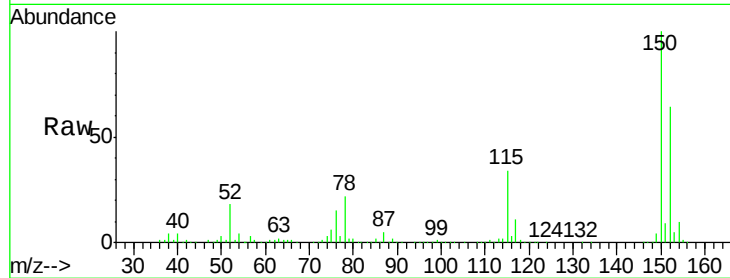
Tot Ion:152 Resp: 160404

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

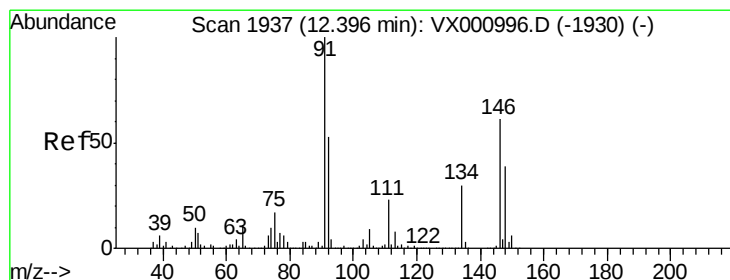
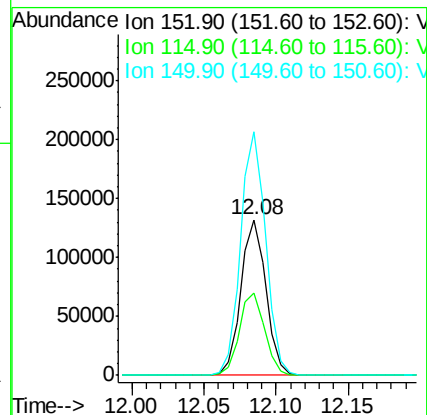
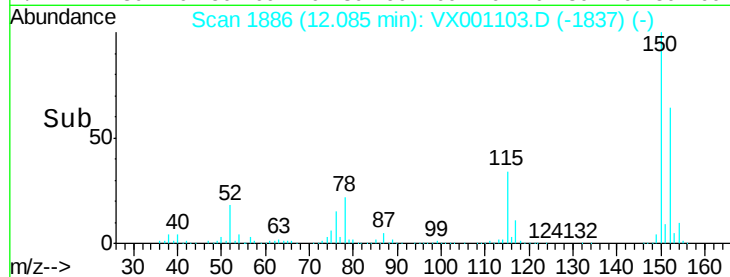
150 157.3 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#91

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001103.D

Acq: 25 Apr 2018 03:25

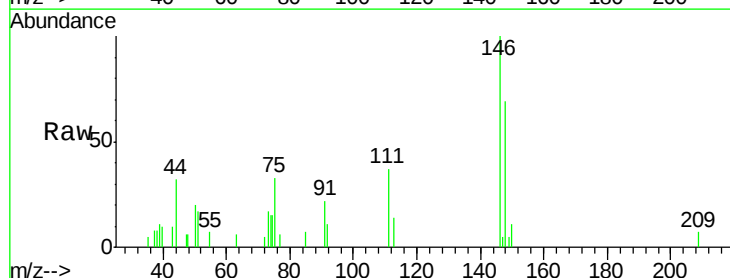
Tgt Ion:146 Resp: 1296

Ion Ratio Lower Upper

146 100

111 32.0 18.6 56.0

148 54.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

