

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001201.D
 Acq On : 28 Apr 2018 05:15
 Operator : JC/MD
 Sample : J2507-06 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419

Quant Time: Apr 28 06:43:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	274811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	247549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143793	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	154524	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	5.51	113	121353	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	8.72	98	456003	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	11.14	95	154246	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

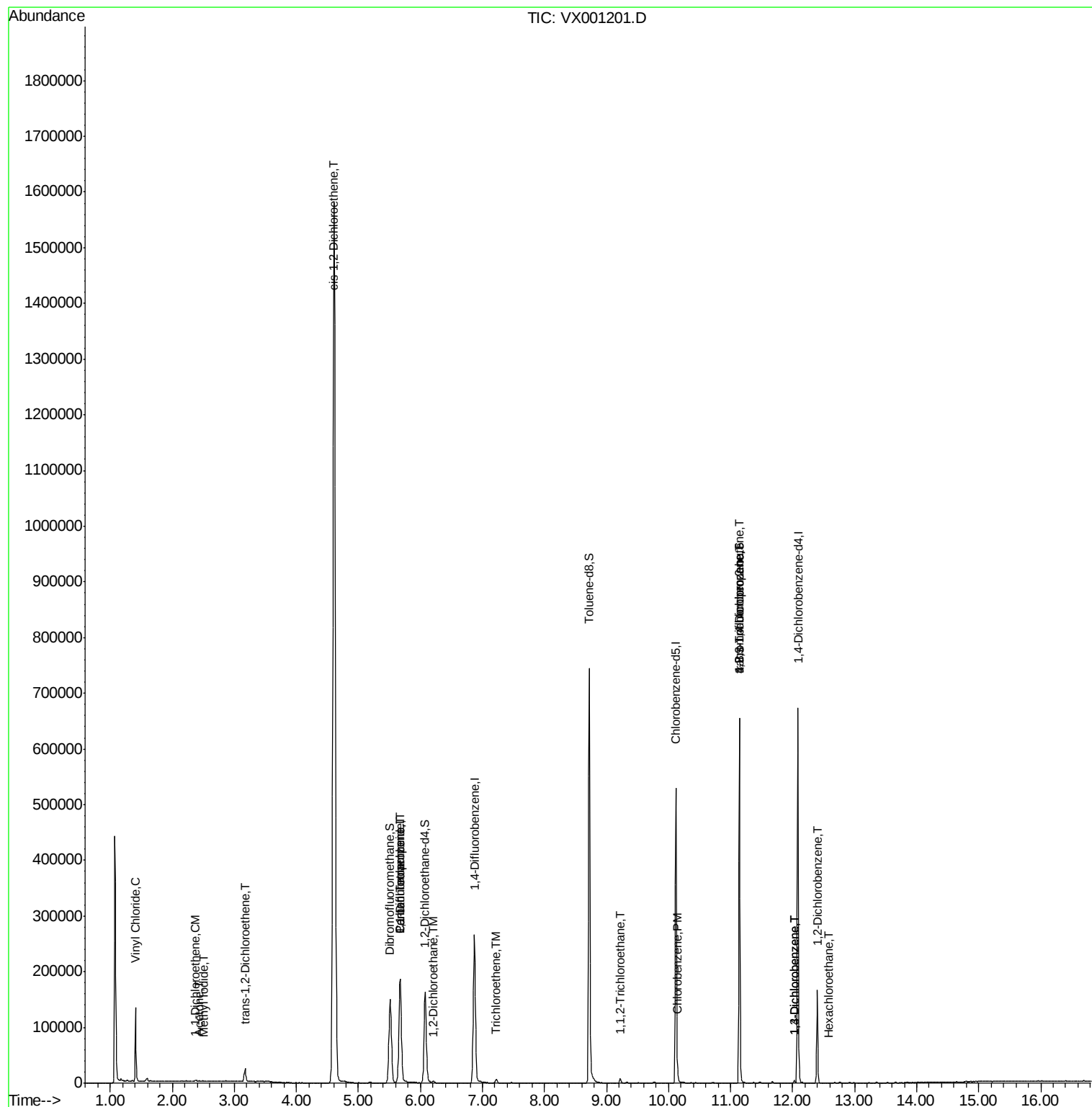
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	86936	37.158	ug/l	100
5) Bromomethane	1.65	94	236	Below Cal	#	64
10) Methyl Iodide	2.51	142	53	7.260	ug/l #	41
12) 1,1-Dichloroethene	2.37	96	661	0.326	ug/l #	78
16) Acetone	2.44	43	663	0.518	ug/l #	50
21) trans-1,2-Dichloroethene	3.17	96	9516	4.240	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	1011002	411.408	ug/l	89
36) 1,1-Dichloropropene	5.68	75	12170	4.019	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17402	5.604	ug/l #	16
42) 1,2-Dichloroethane	6.20	62	2176	0.616	ug/l	99
44) Trichloroethene	7.22	130	2660	1.019	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	1832	0.756	ug/l #	87
65) Chlorobenzene	10.15	112	4315	0.665	ug/l #	87
76) 1,2,3-Trichloropropane	11.14	75	80237	27.403	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	80237	83.298	ug/l #	6
87) 1,3-Dichlorobenzene	12.03	146	1786	0.358	ug/l	97
88) 1,4-Dichlorobenzene	12.03	146	1786	0.344	ug/l	96
90) Hexachloroethane	12.59	117	20	3.390	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	54915	10.889	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

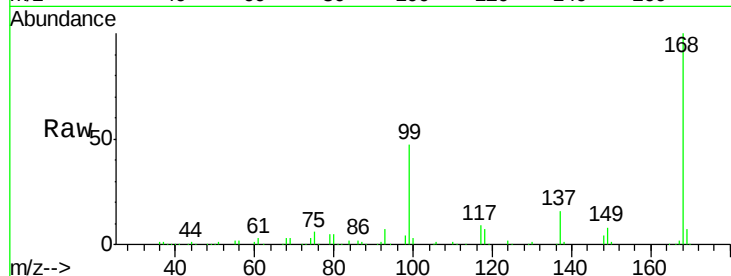
SS043MW009-180419

Tgt Ion:168 Resp: 200776

Ion Ratio Lower Upper

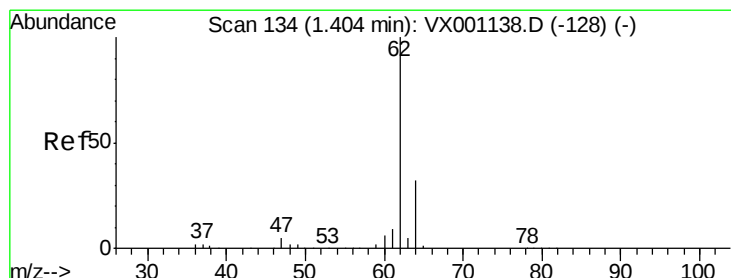
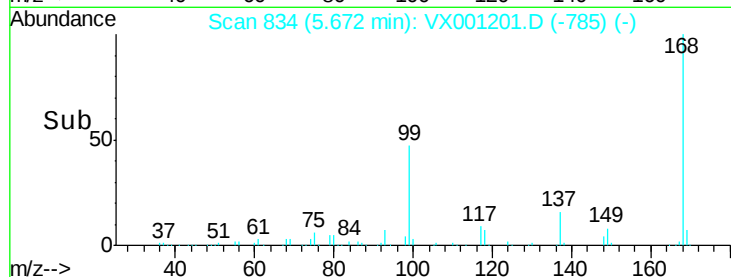
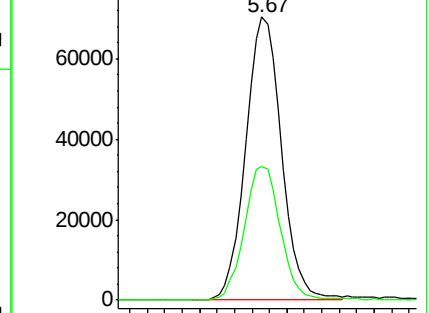
168 100

99 47.2 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 37.158 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001201.D

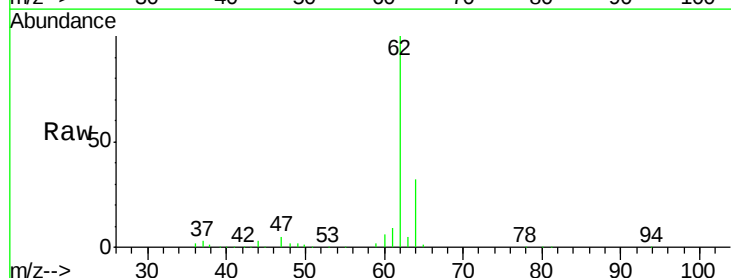
Acq: 28 Apr 2018 05:15

Tgt Ion: 62 Resp: 86936

Ion Ratio Lower Upper

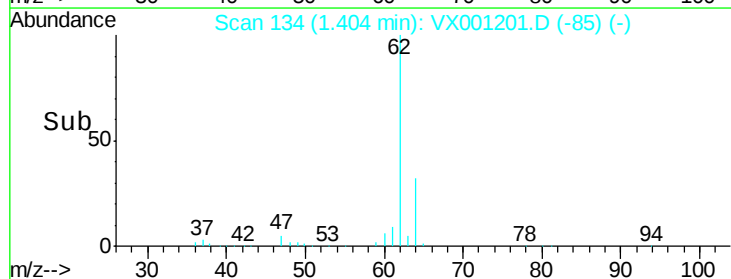
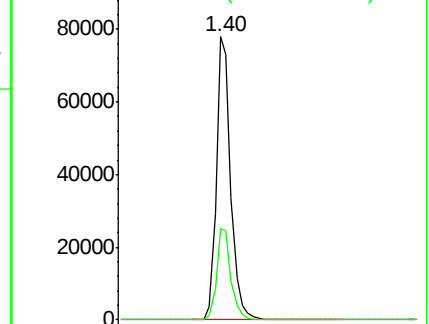
62 100

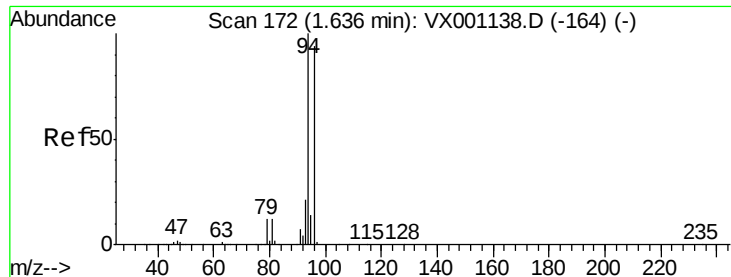
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

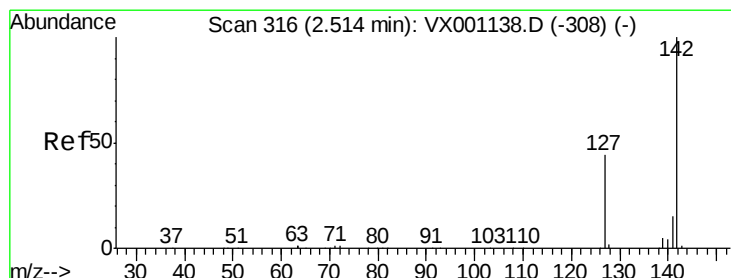
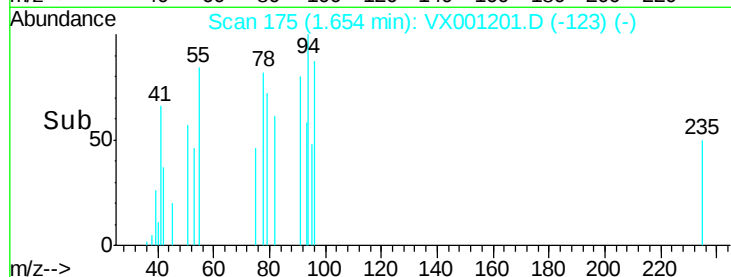
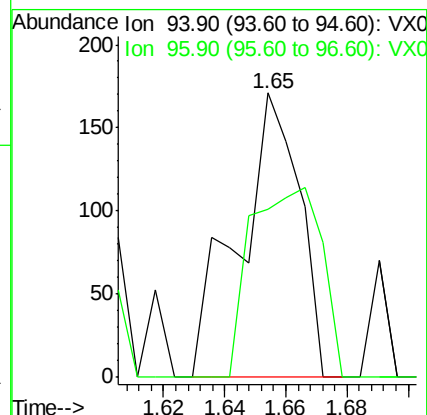
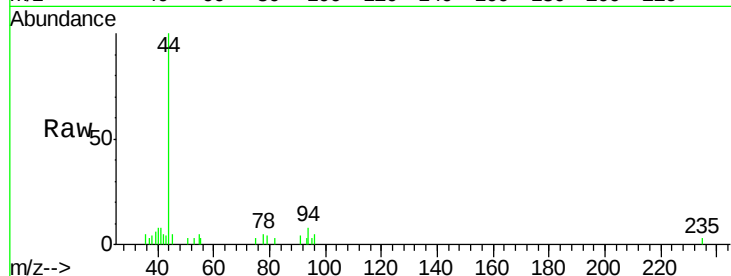
SS043MW009-180419

Tgt Ion: 94 Resp: 236

Ion Ratio Lower Upper

94 100

96 59.1 75.3 112.9#



#10

Methyl Iodide

Concen: 7.260 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

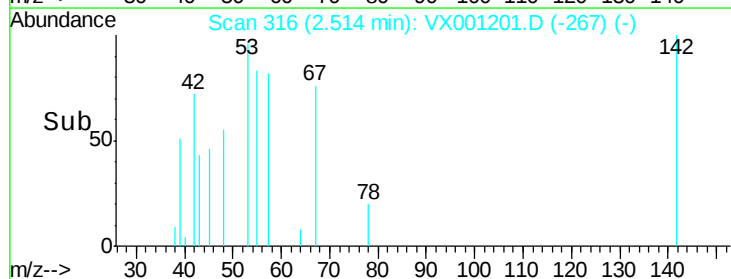
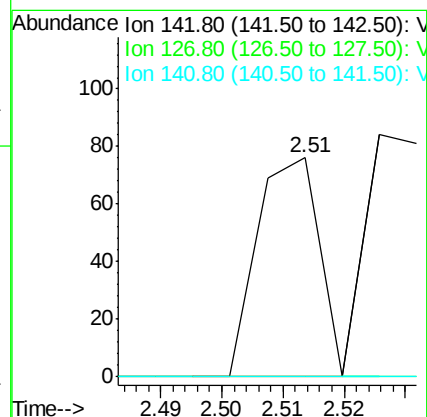
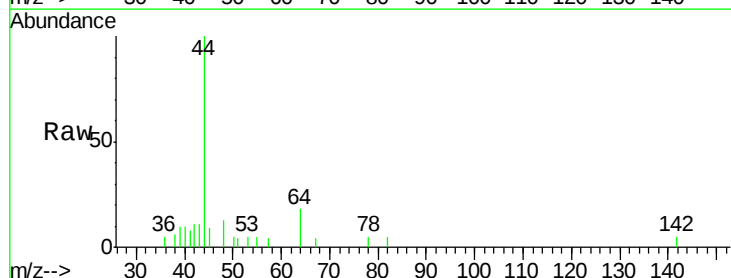
Tgt Ion: 142 Resp: 53

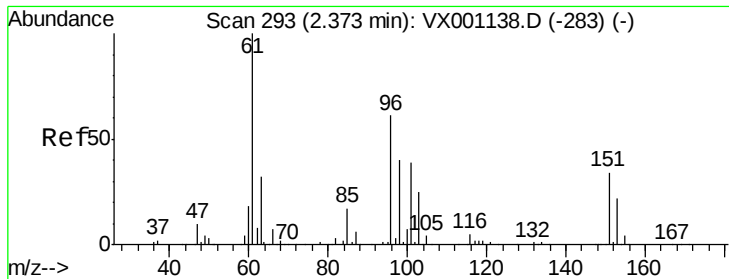
Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.6 17.4#





#12

1,1-Dichloroethene

Concen: 0.326 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

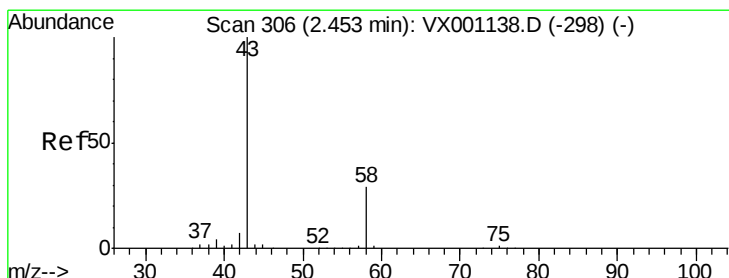
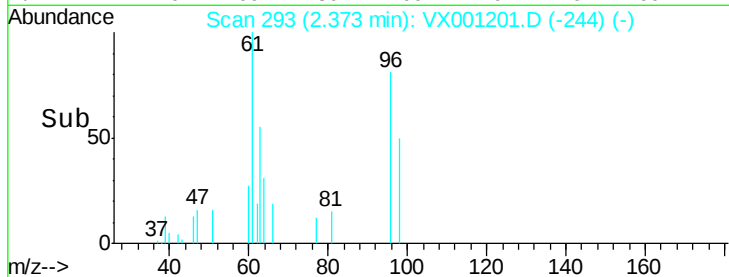
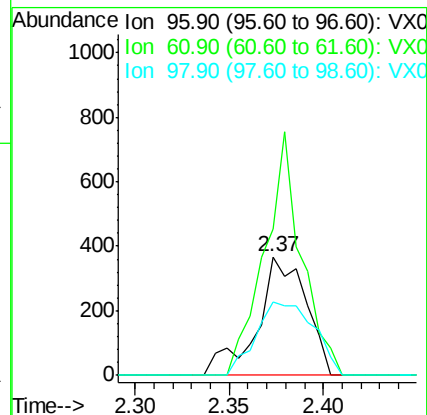
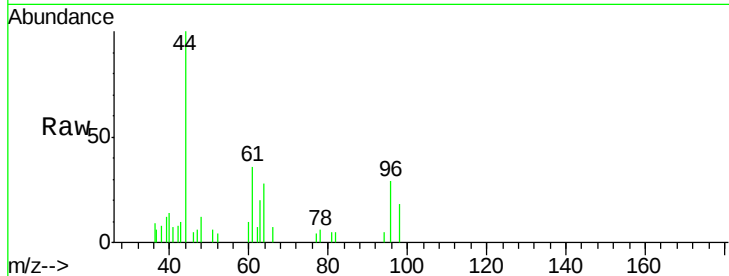
Tgt Ion: 96 Resp: 661

Ion Ratio Lower Upper

96 100

61 123.4 130.2 195.4#

98 61.6 51.5 77.3



#16

Acetone

Concen: 0.518 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX001201.D

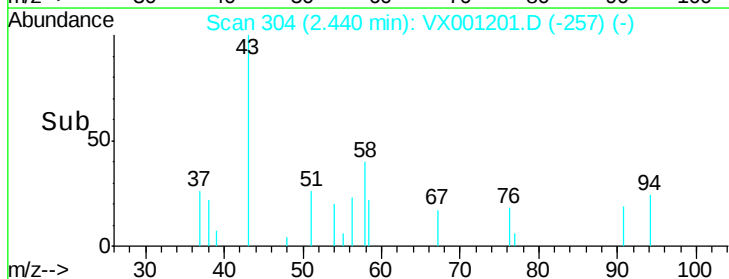
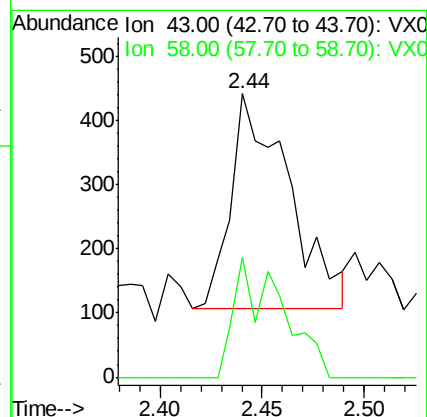
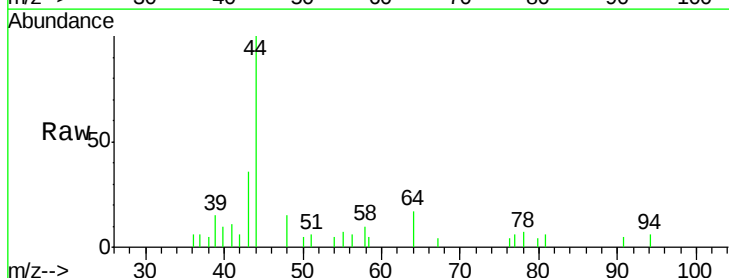
Acq: 28 Apr 2018 05:15

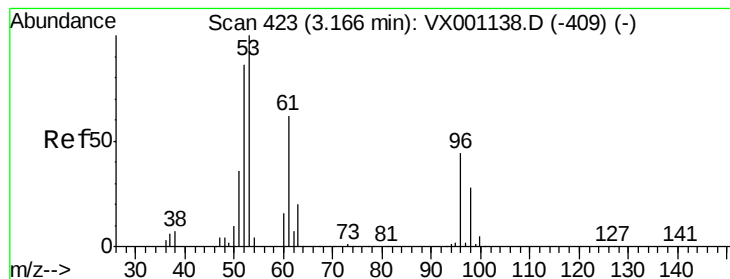
Tgt Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

58 55.7 23.0 34.6#





#21

trans-1,2-Dichloroethene

Concen: 4.240 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

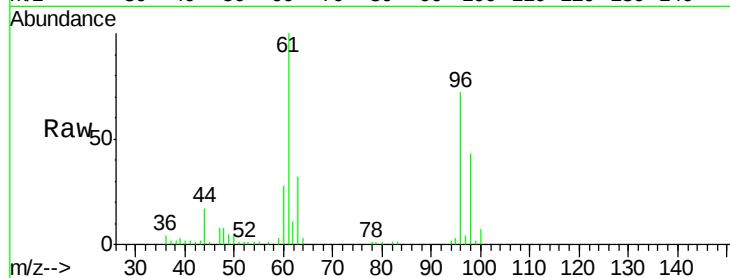
Tgt Ion: 96 Resp: 9516

Ion Ratio Lower Upper

96 100

61 138.4 111.9 167.9

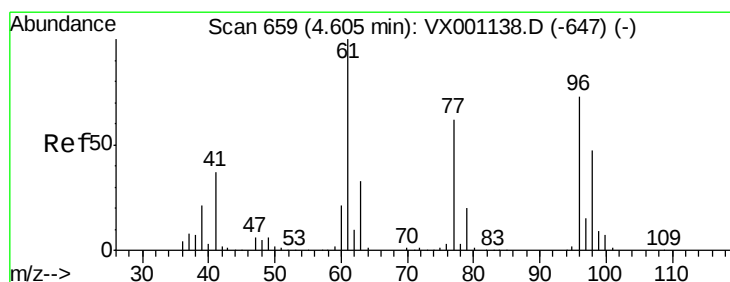
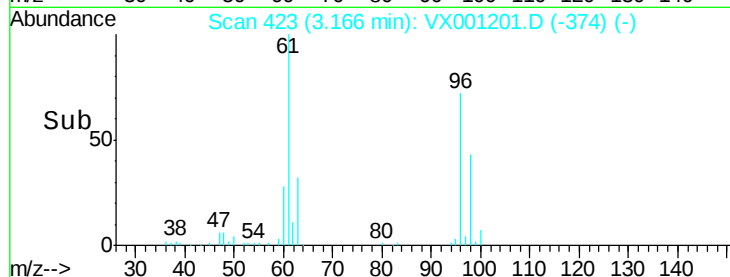
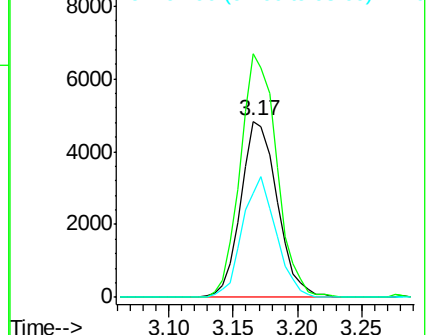
98 59.5 51.1 76.7



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: 411.408 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

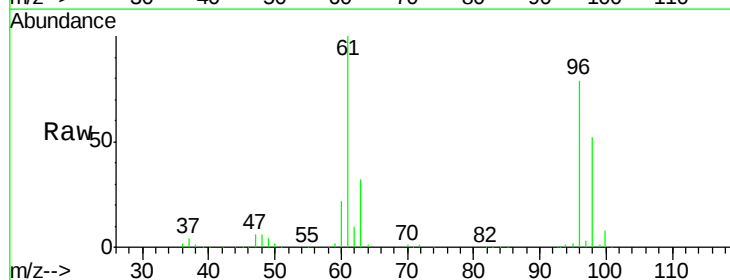
Tgt Ion: 96 Resp: 1011002

Ion Ratio Lower Upper

96 100

61 125.5 0.0 289.0

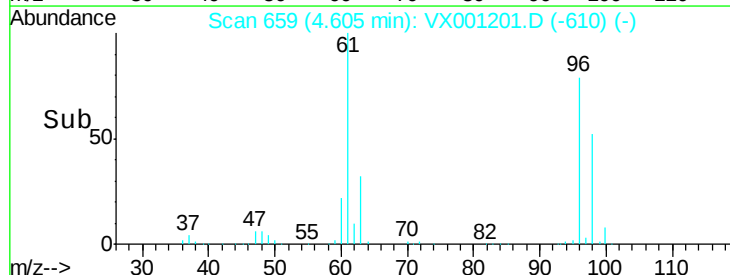
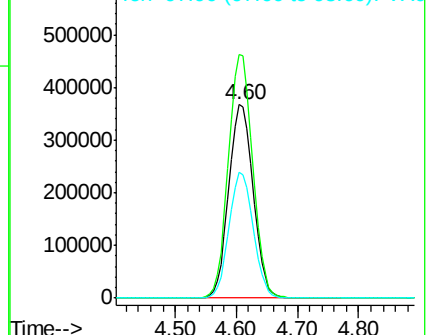
98 64.5 0.0 128.2

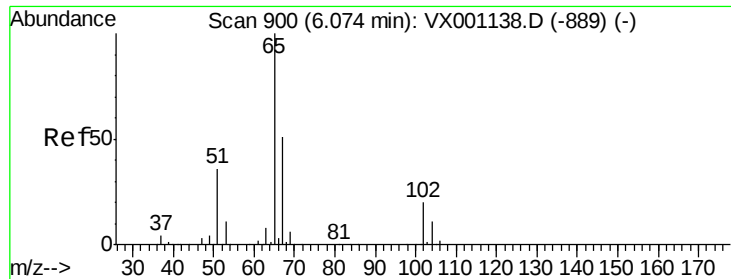


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.650 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

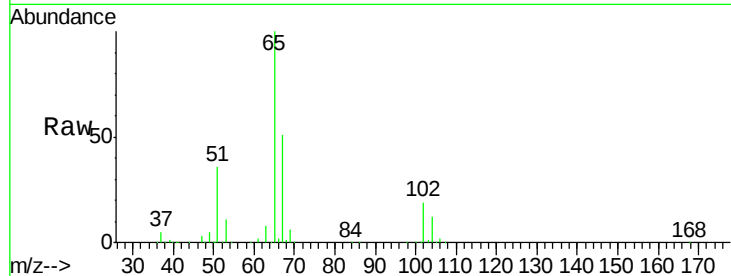
SS043MW009-180419

Tgt Ion: 65 Resp: 154524

Ion Ratio Lower Upper

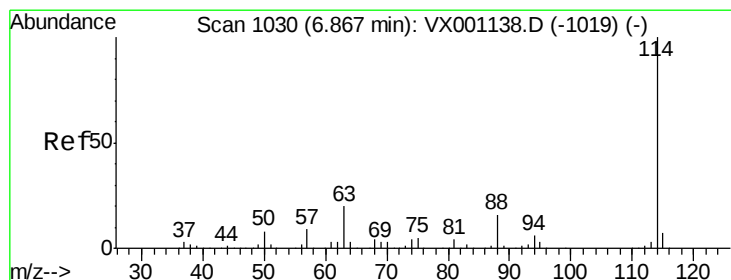
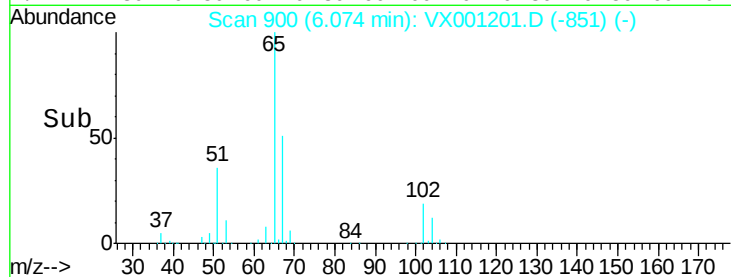
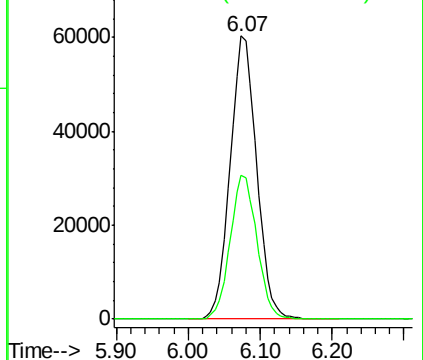
65 100

67 51.3 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

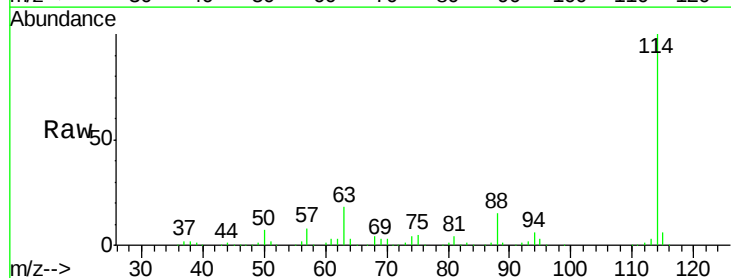
Tgt Ion: 114 Resp: 274811

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.4

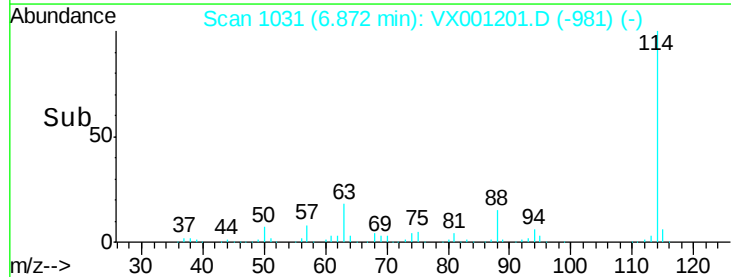
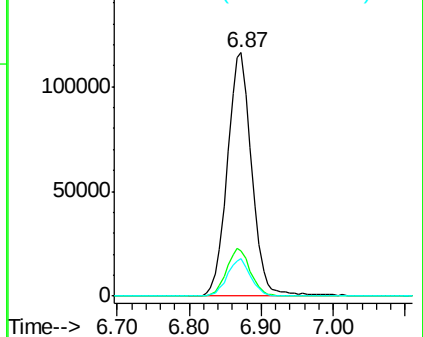
88 15.3 0.0 31.8

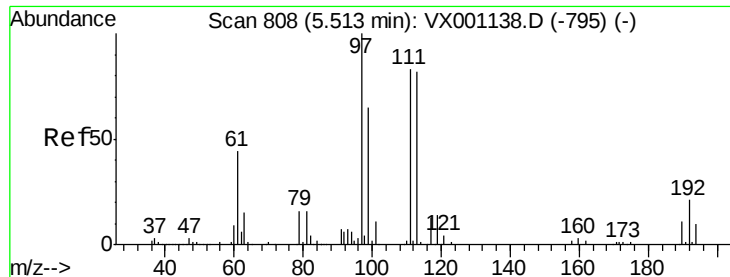


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

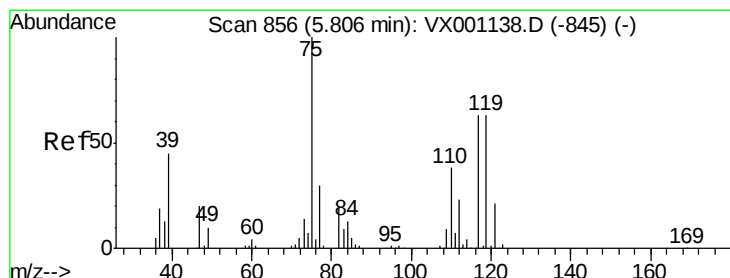
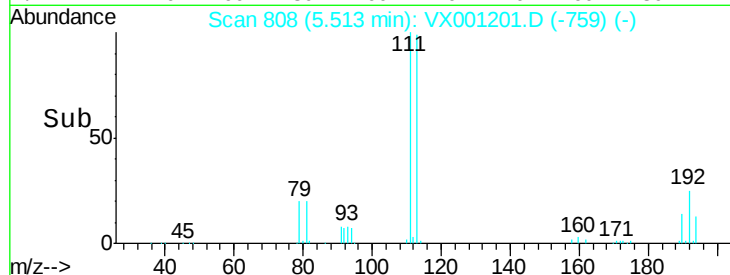
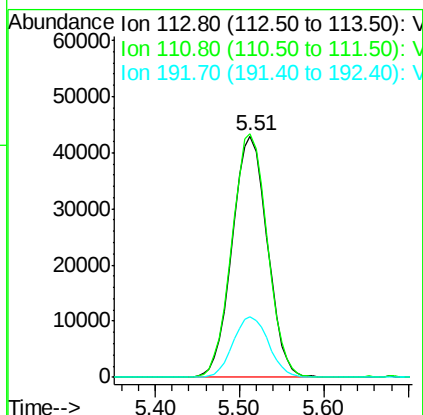
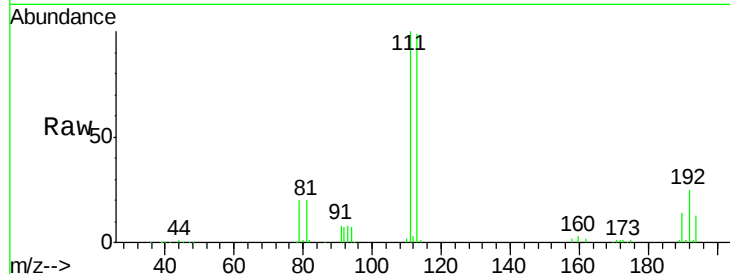




#35
 Dibromofluoromethane
 Concen: 53.351 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

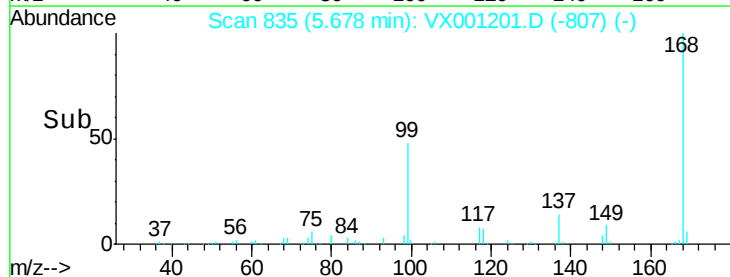
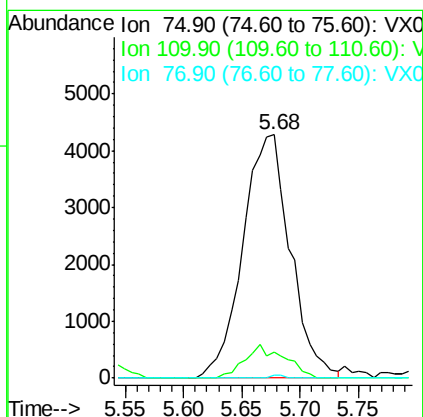
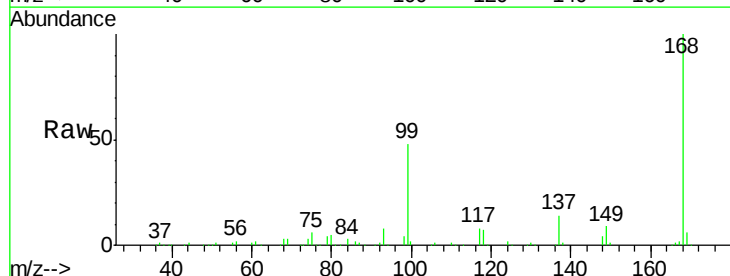
Instrument :
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 SS043MW009-180419

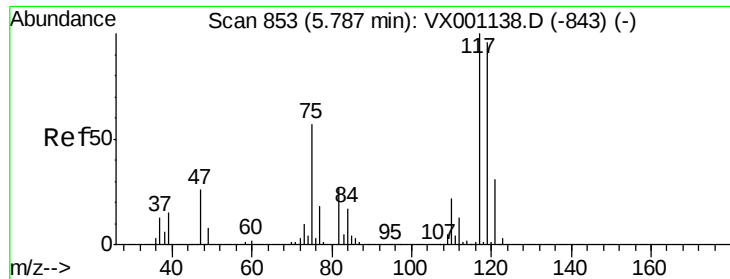
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	25.5	20.6	30.8



#36
 1,1-Dichloropropene
 Concen: 4.019 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	19.0	57.0#
77	0.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.604 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

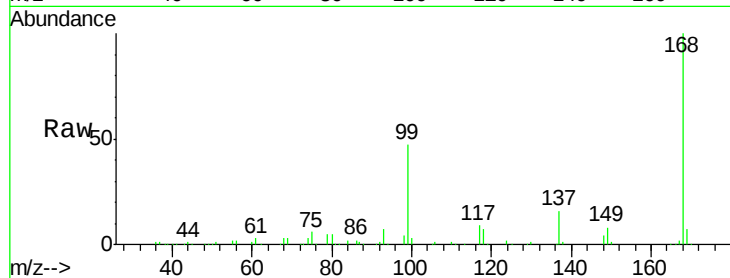
Tgt Ion:117 Resp: 17402

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

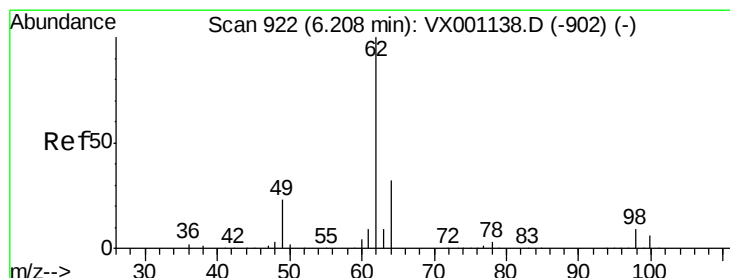
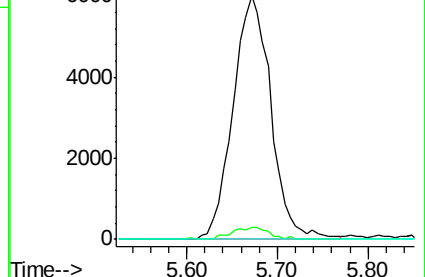
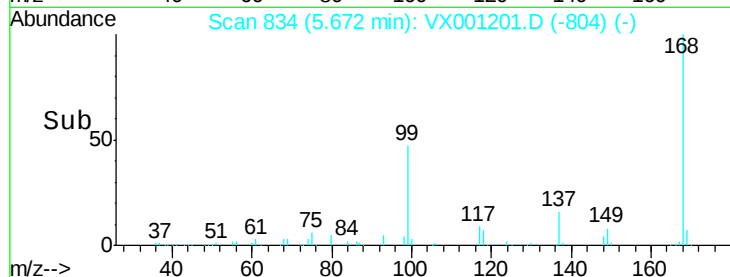
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.616 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX001201.D

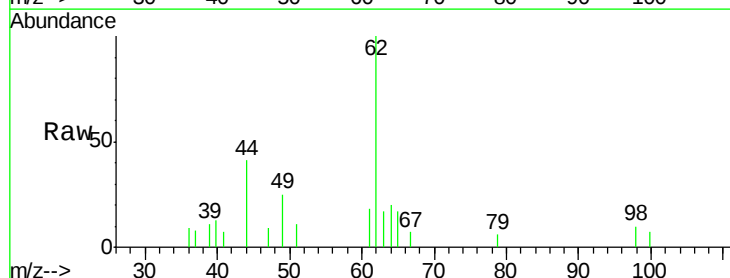
Acq: 28 Apr 2018 05:15

Tgt Ion: 62 Resp: 2176

Ion Ratio Lower Upper

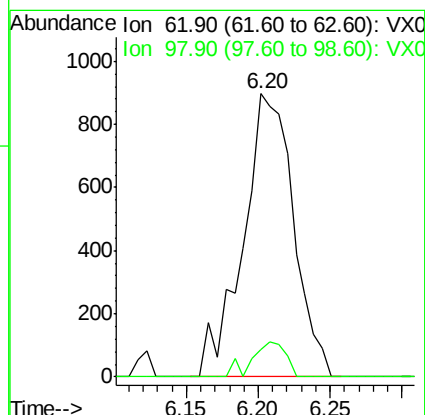
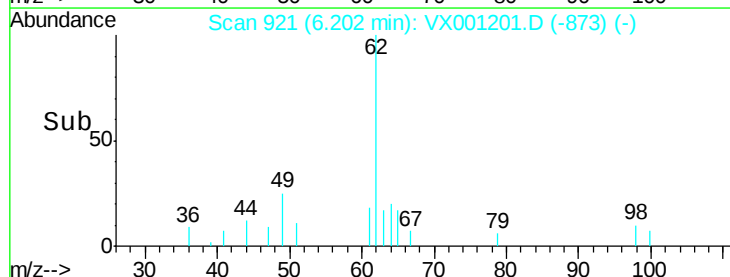
62 100

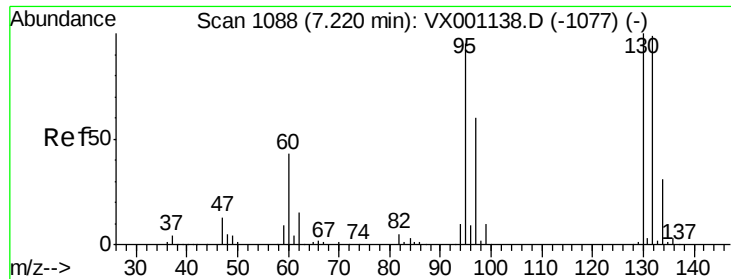
98 8.2 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 1.019 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

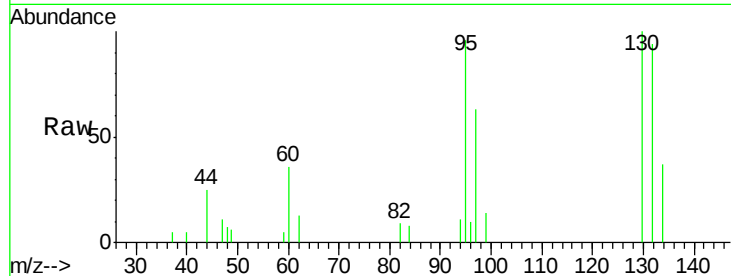
SS043MW009-180419

Tgt Ion:130 Resp: 2660

Ion Ratio Lower Upper

130 100

95 95.8 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1500

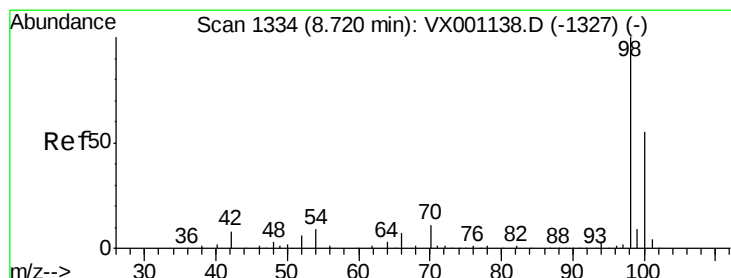
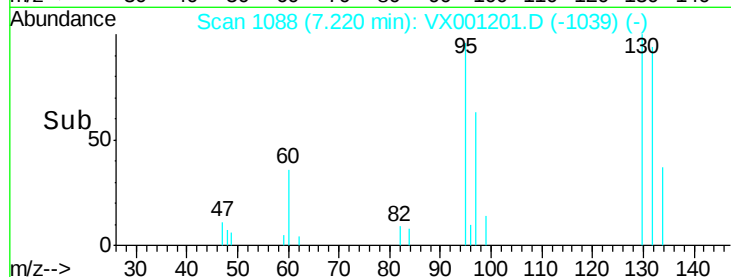
1000

500

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 53.122 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001201.D

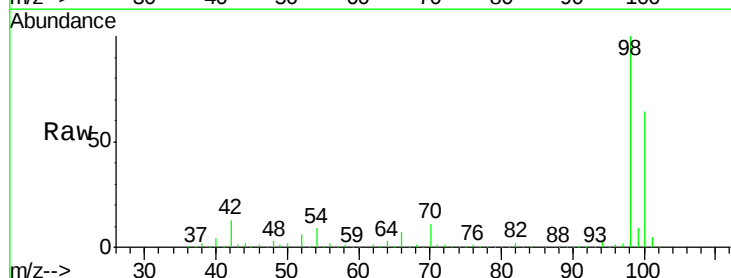
Acq: 28 Apr 2018 05:15

Tgt Ion: 98 Resp: 456003

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

300000

250000

200000

150000

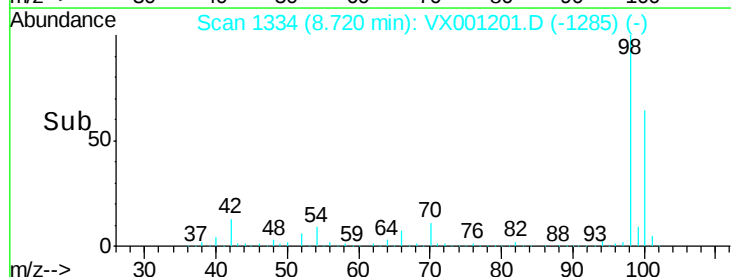
100000

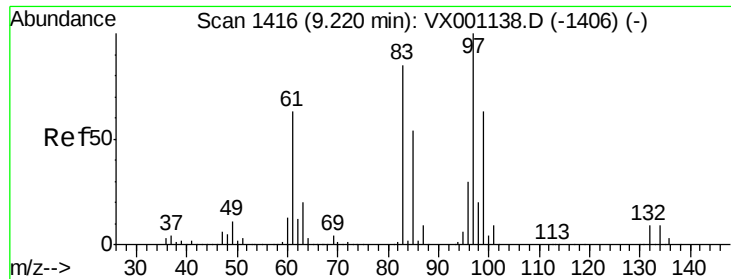
50000

0

8.60 8.70 8.80 8.90

Time-->

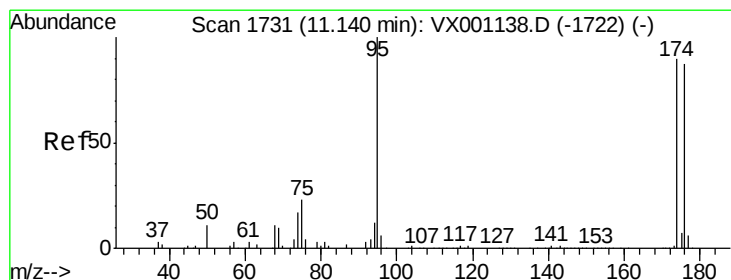
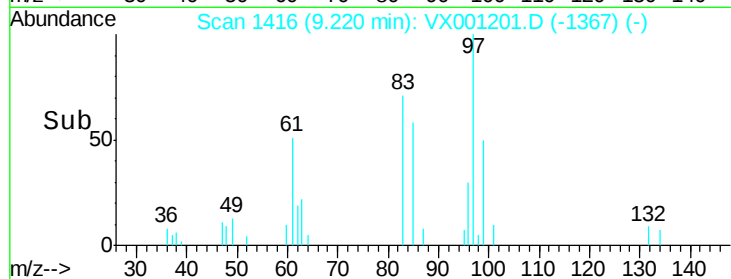
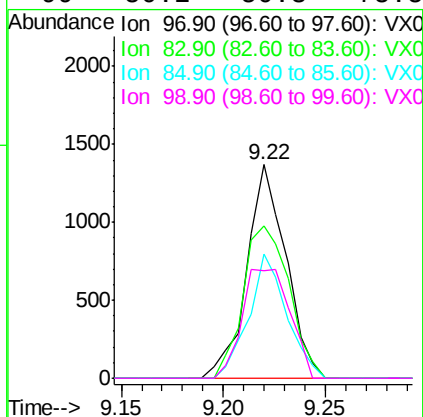
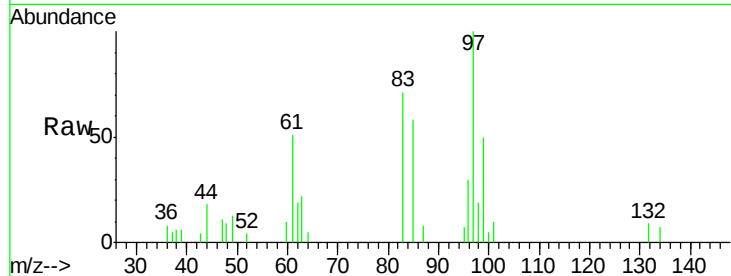




#55
 1,1,2-Trichloroethane
 Concen: 0.756 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

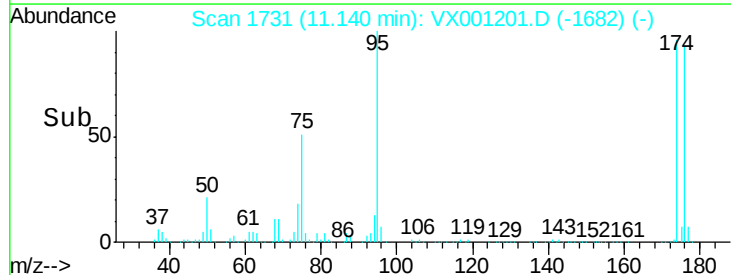
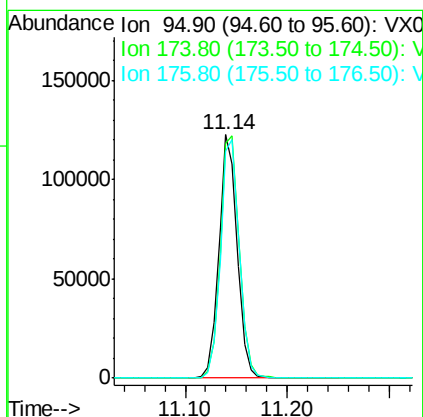
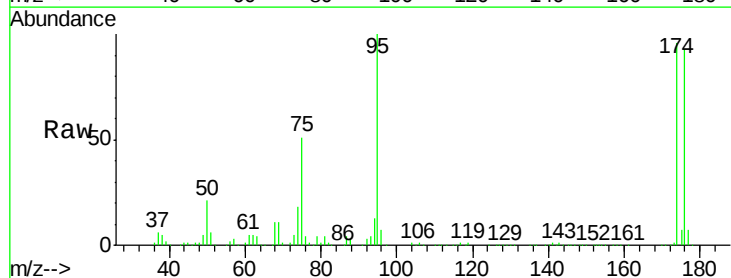
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419

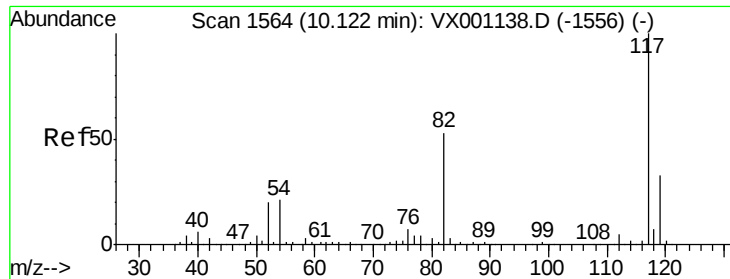
Tgt Ion: 97 Resp: 1832
 Ion Ratio Lower Upper
 97 100
 83 71.5 68.0 102.0
 85 58.4 42.9 64.3
 99 50.2 50.3 75.5#



#62
 4-Bromofluorobenzene
 Concen: 45.998 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

Tgt Ion: 95 Resp: 154246
 Ion Ratio Lower Upper
 95 100
 174 103.0 0.0 194.4
 176 100.5 0.0 190.2

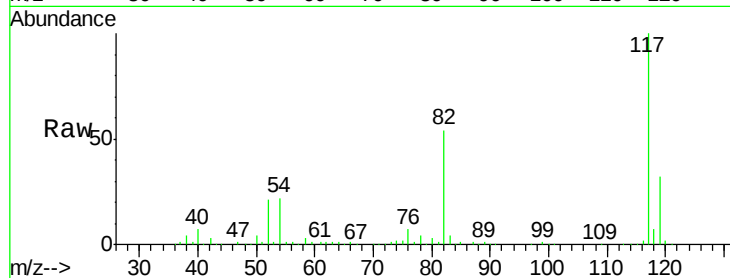




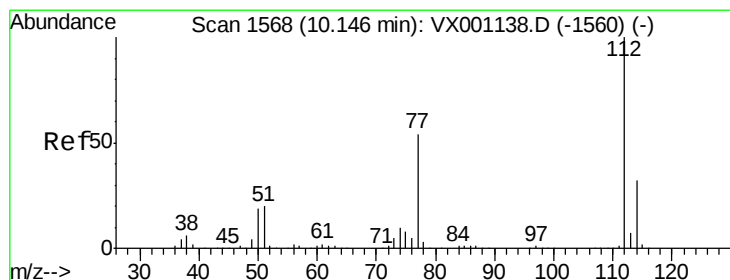
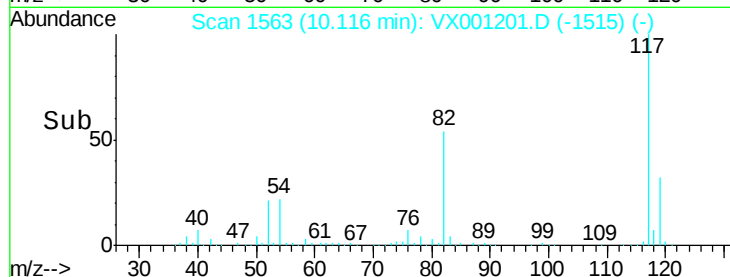
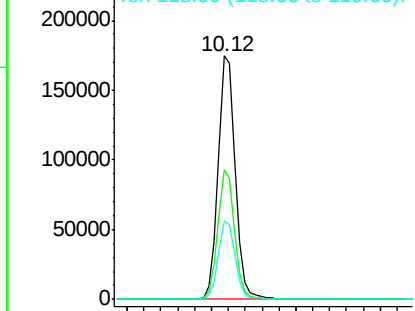
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001201.D
Acq: 28 Apr 2018 05:15

Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419

Tgt Ion:117 Resp: 247549
Ion Ratio Lower Upper
117 100
82 53.5 42.1 63.1
119 32.1 26.1 39.1

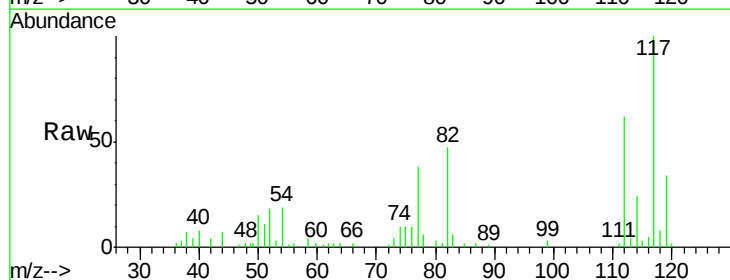


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

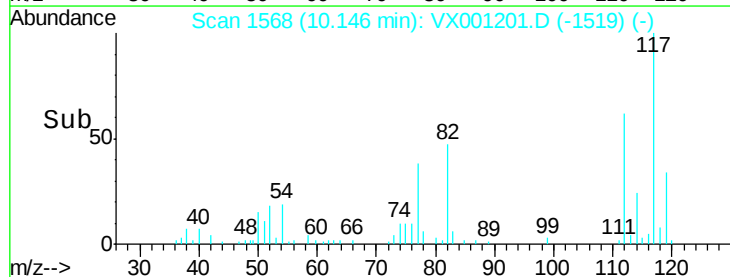
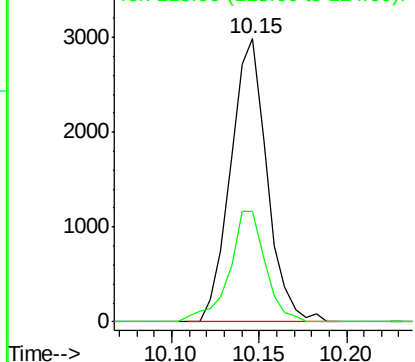


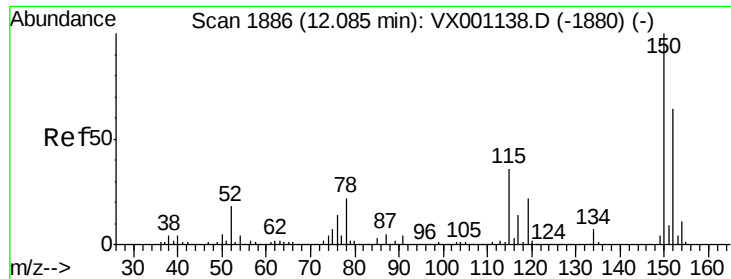
#65
Chlorobenzene
Concen: 0.665 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001201.D
Acq: 28 Apr 2018 05:15

Tgt Ion:112 Resp: 4315
Ion Ratio Lower Upper
112 100
114 39.1 25.7 38.5#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

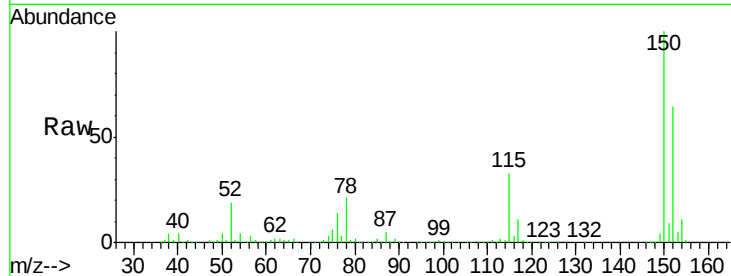
Tgt Ion:152 Resp: 143793

Ion Ratio Lower Upper

152 100

115 53.3 38.0 114.0

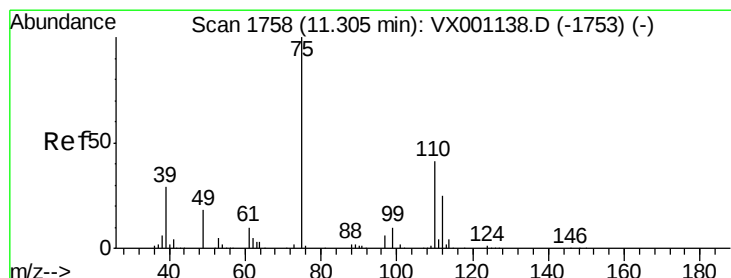
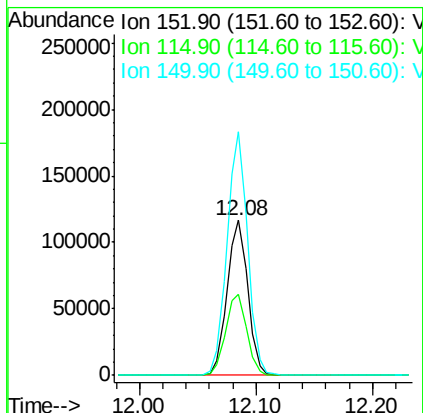
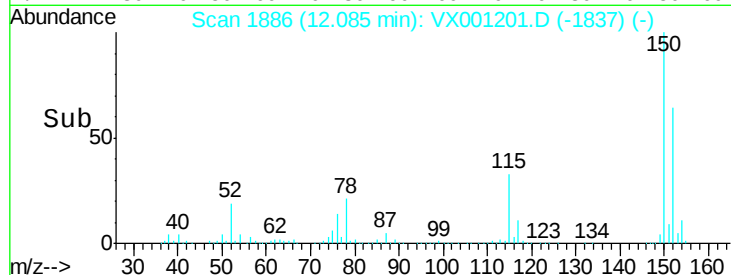
150 155.6 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 27.403 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001201.D

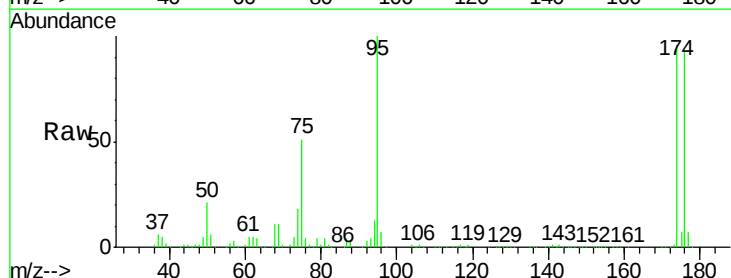
Acq: 28 Apr 2018 05:15

Tgt Ion: 75 Resp: 80237

Ion Ratio Lower Upper

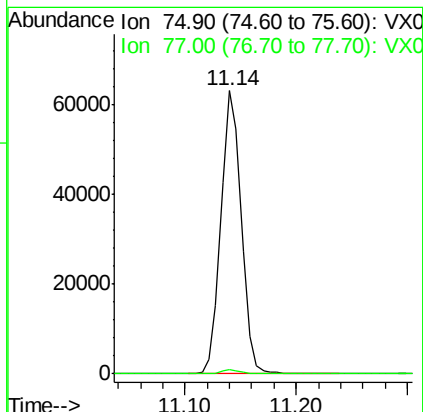
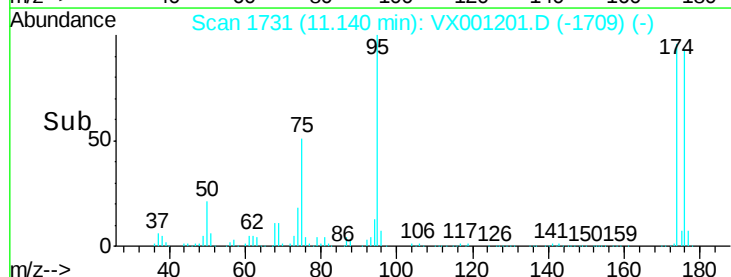
75 100

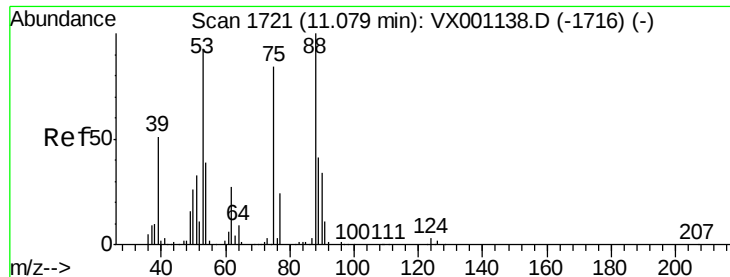
77 1.2 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 83.298 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

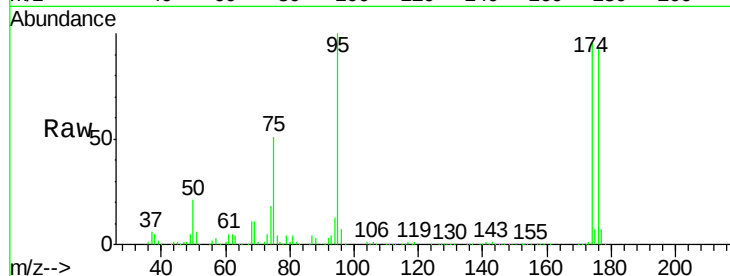
Tgt Ion: 75 Resp: 80237

Ion Ratio Lower Upper

75 100

53 0.1 87.9 131.9#

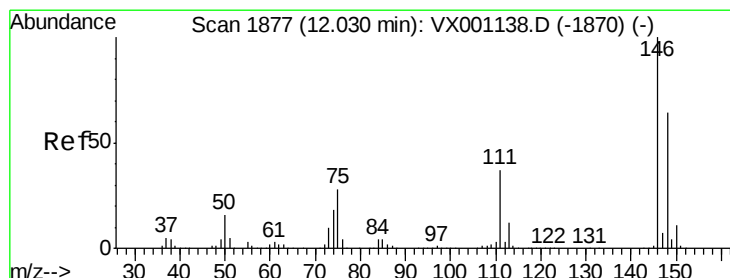
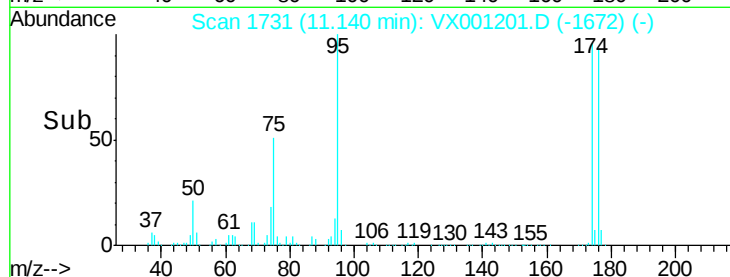
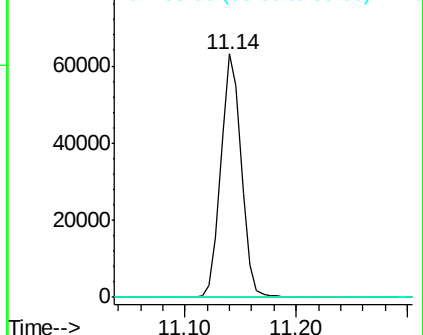
89 0.0 37.7 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#87

1,3-Dichlorobenzene

Concen: 0.358 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

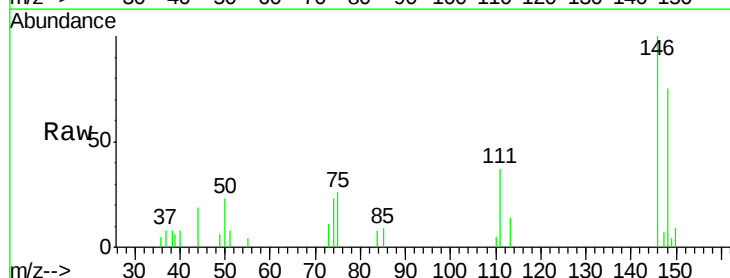
Tgt Ion: 146 Resp: 1786

Ion Ratio Lower Upper

146 100

111 38.1 18.6 56.0

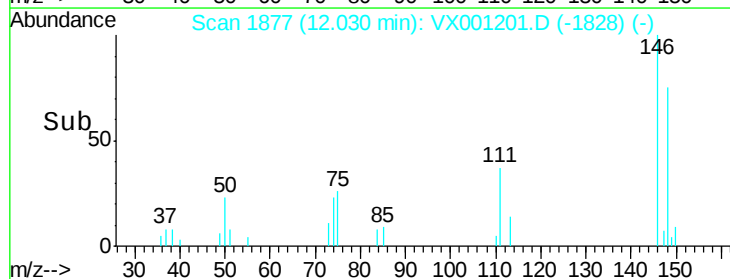
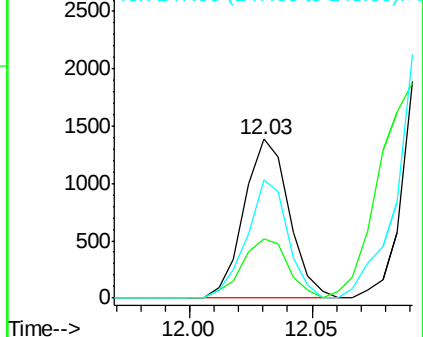
148 67.8 32.3 96.8

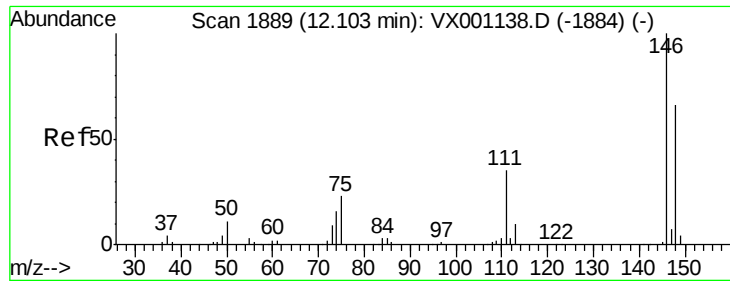


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

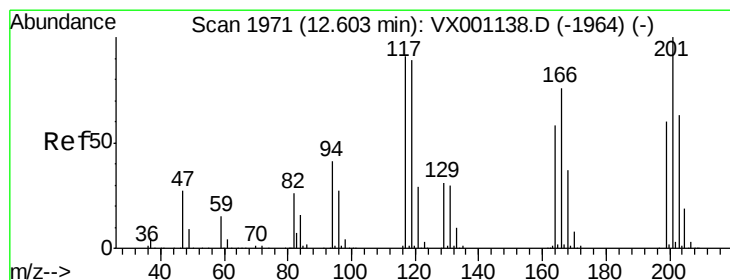
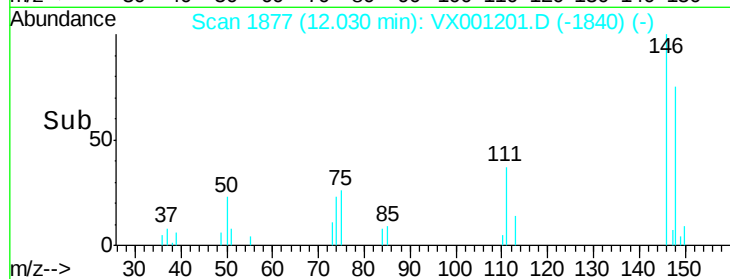
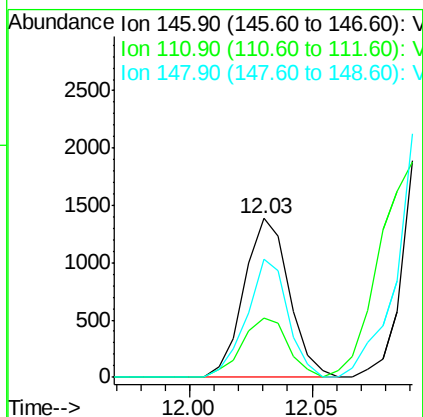
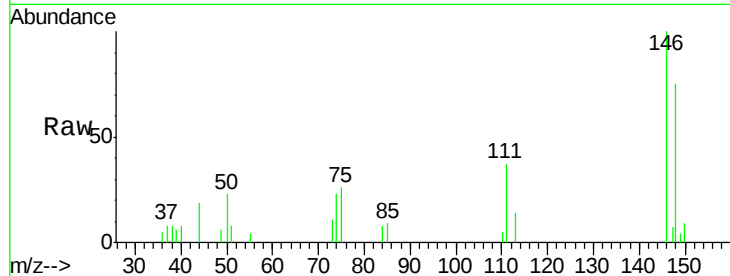




#88
 1,4-Dichlorobenzene
 Concen: 0.344 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.07 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

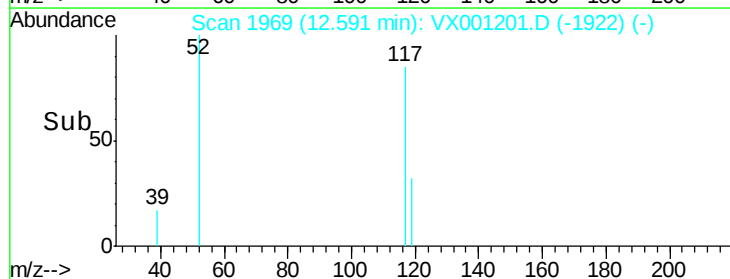
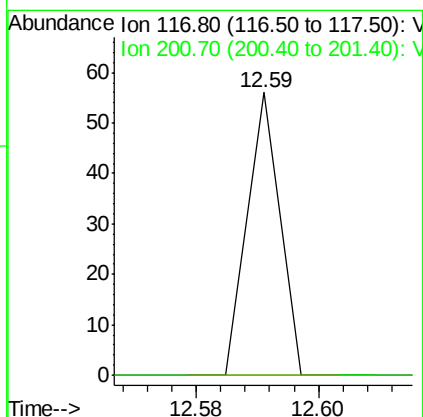
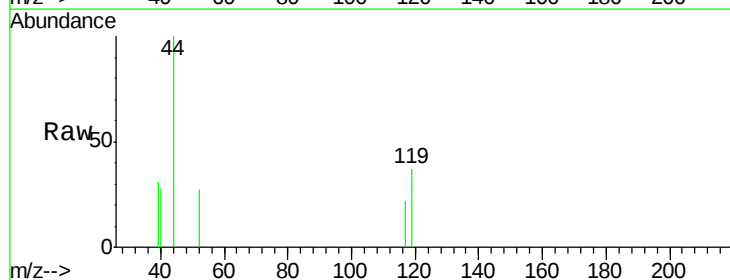
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419

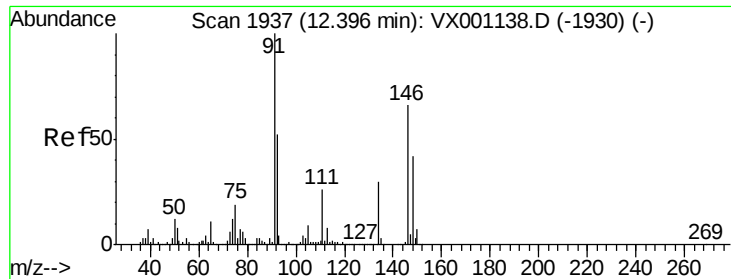
Tgt Ion:146 Resp: 1786
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.0 54.0
 148 67.8 32.5 97.5



#90
 Hexachloroethane
 Concen: 3.390 ug/l
 RT: 12.59 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VX001201.D
 Acq: 28 Apr 2018 05:15

Tgt Ion:117 Resp: 20
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.8 155.4#





#91

1,2-Dichlorobenzene

Concen: 10.889 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001201.D

Acq: 28 Apr 2018 05:15

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419

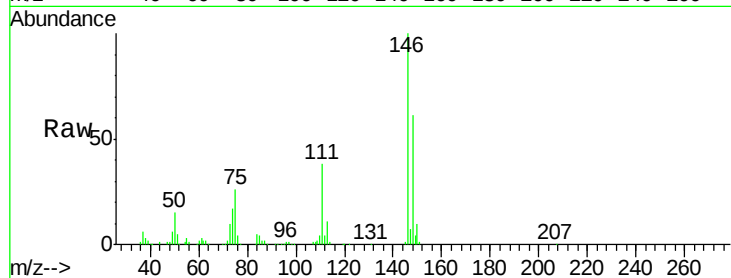
Tgt Ion:146 Resp: 54915

Ion Ratio Lower Upper

146 100

111 37.0 19.1 57.3

148 63.2 32.2 96.6



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

