

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
 Data File : VX001221.D
 Acq On : 28 Apr 2018 18:30
 Operator : JC/MD
 Sample : J2547-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180423

Quant Time: Apr 30 04:56:51 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	171999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	234918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	214782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	129598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	128700	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.51	113	101919	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.72	98	390629	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.14	95	137334	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

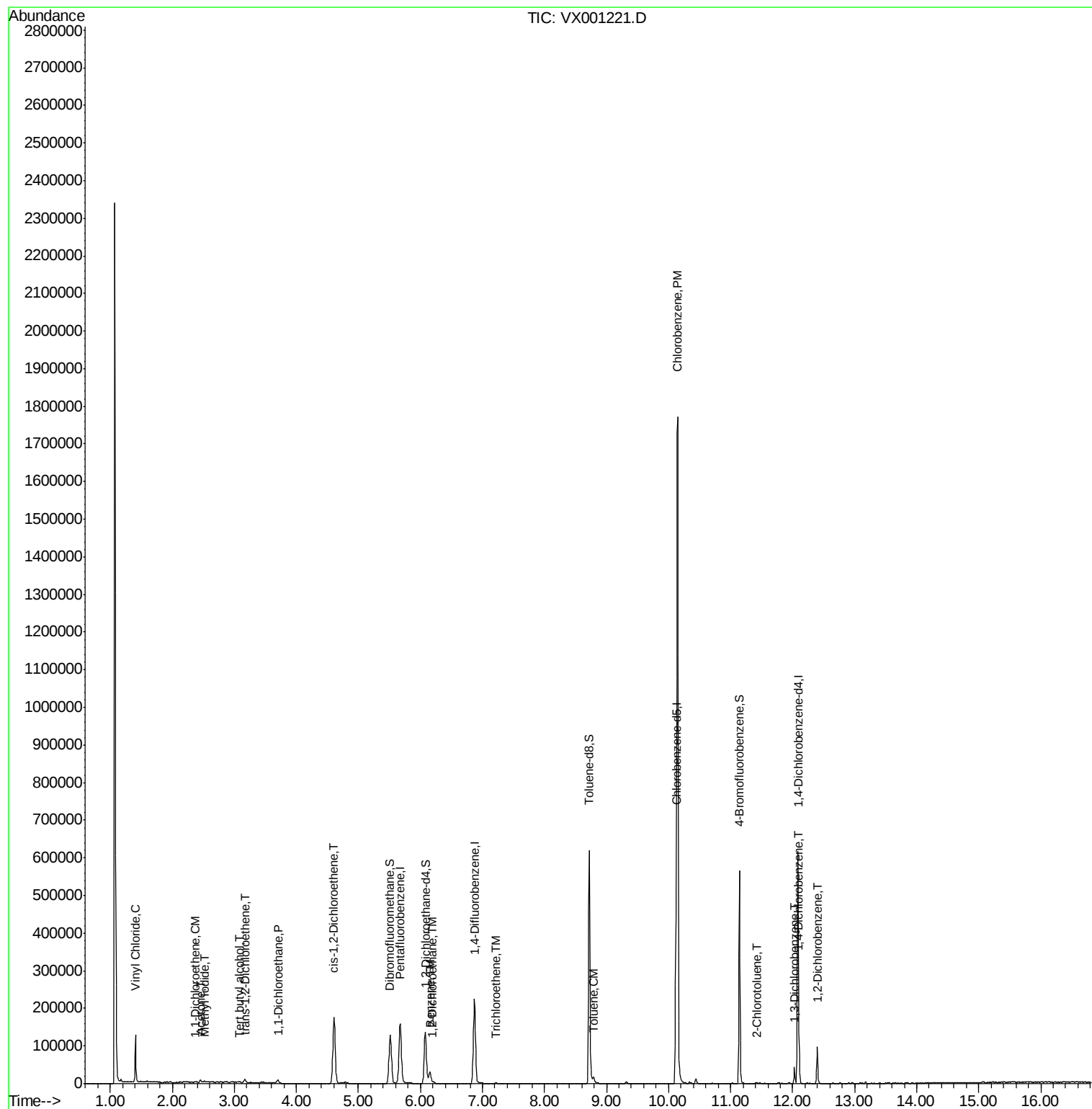
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	77499	38.67	ug/l	98
10) Methyl Iodide	2.52	142	3111	8.67	ug/l	93
11) Tert butyl alcohol	3.08	59	2440	4.64	ug/l #	88
12) 1,1-Dichloroethene	2.38	96	412	0.24	ug/l #	58
16) Acetone	2.45	43	6527	5.95	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	3185	1.66	ug/l	97
24) 1,1-Dichloroethane	3.70	63	8765	2.63	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	111597	53.01	ug/l	89
40) Benzene	6.15	78	34782	4.64	ug/l	100
42) 1,2-Dichloroethane	6.20	62	3213	1.06	ug/l	93
44) Trichloroethene	7.21	130	521	0.23	ug/l	96
52) Toluene	8.79	92	3827	0.78	ug/l	98
65) Chlorobenzene	10.15	112	801645	142.46	ug/l	99
79) 2-Chlorotoluene	11.43	91	1179	0.20	ug/l	83
87) 1,3-Dichlorobenzene	12.03	146	14131	3.14	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	31901	6.81	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	30963	6.81	ug/l	99

(#) = 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: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

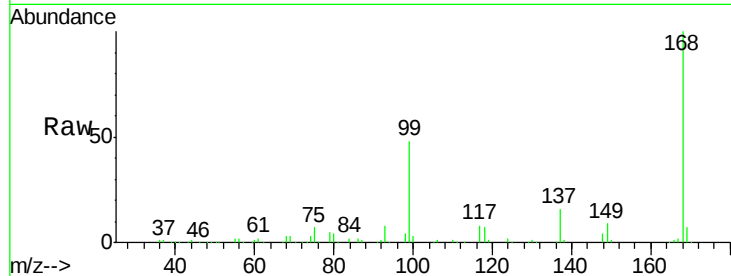
WP022MW359-180423

Tot Ion:168 Resp: 171999

Ion Ratio Lower Upper

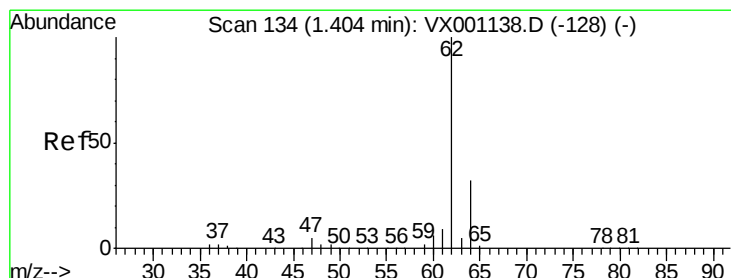
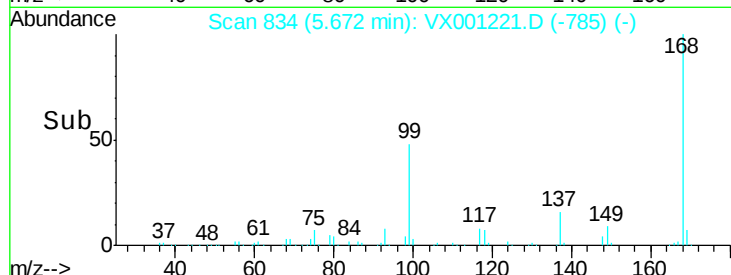
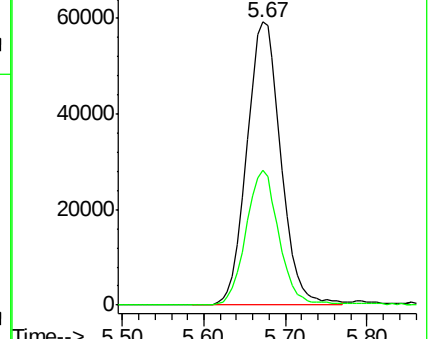
168 100

99 47.8 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: 38.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001221.D

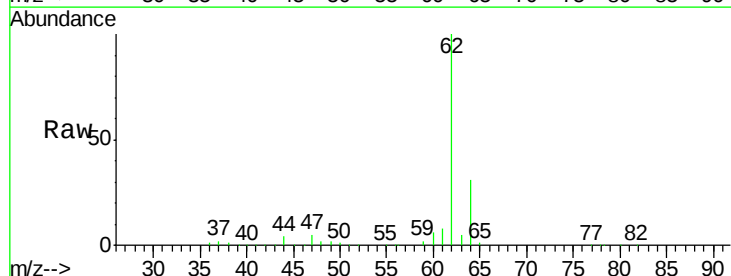
Acq: 28 Apr 2018 18:30

Tgt Ion: 62 Resp: 77499

Ion Ratio Lower Upper

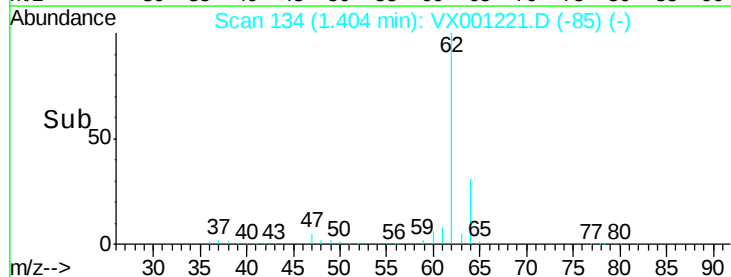
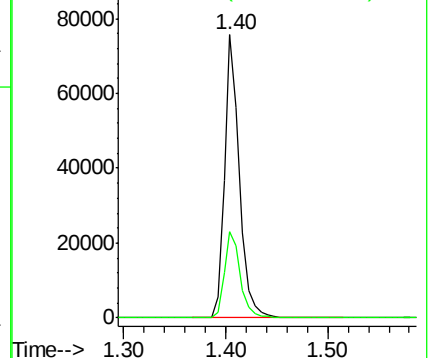
62 100

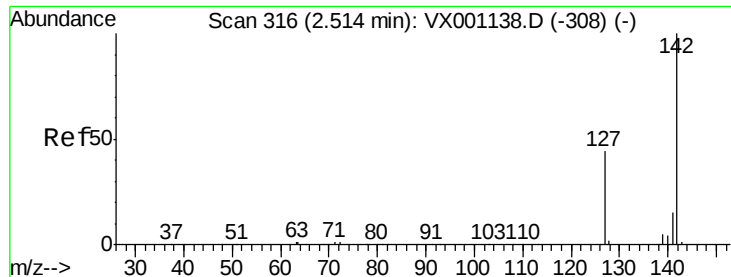
64 30.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

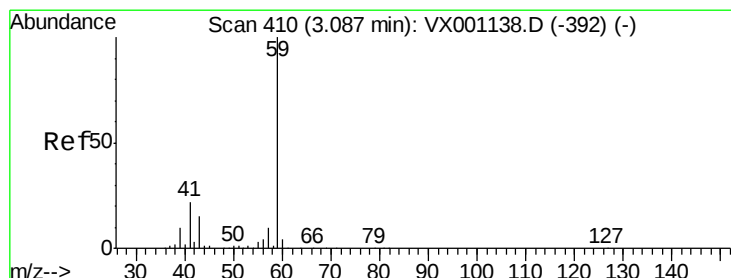
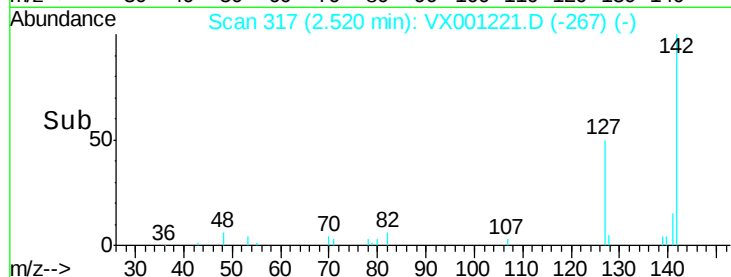
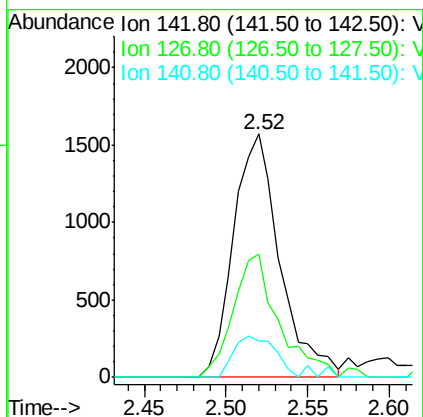
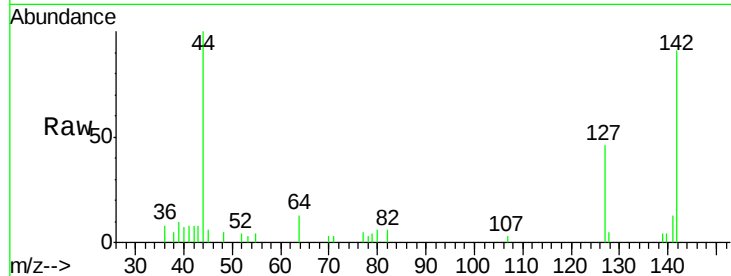




#10
Methvl Iodide
Concen: 8.67 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001221.D
Acq: 28 Apr 2018 18:30

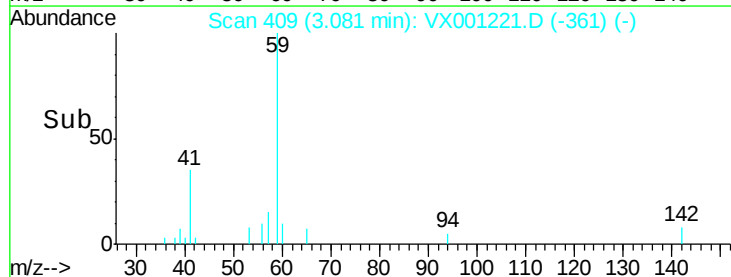
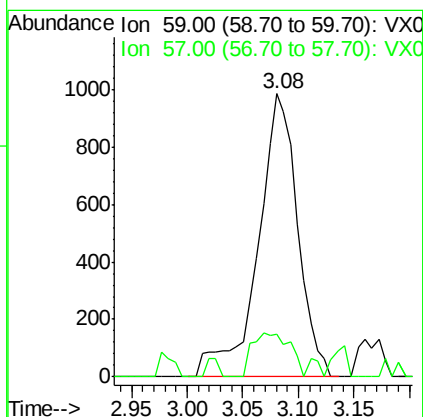
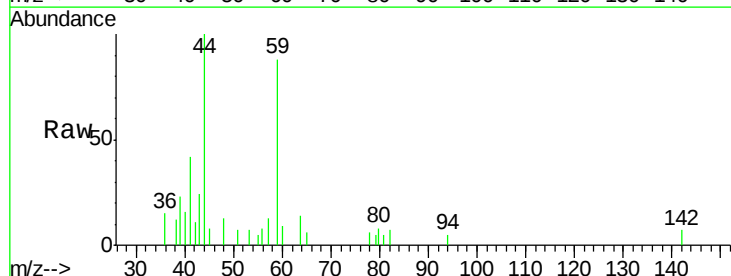
Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180423

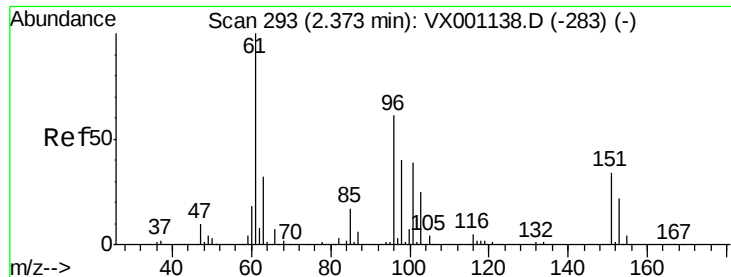
Tot Ion:142 Resp: 3111
Ion Ratio Lower Upper
142 100
127 49.5 34.7 52.1
141 15.1 11.6 17.4



#11
Tert butyl alcohol
Concen: 4.64 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001221.D
Acq: 28 Apr 2018 18:30

Tgt Ion: 59 Resp: 2440
Ion Ratio Lower Upper
59 100
57 14.9 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.24 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180423

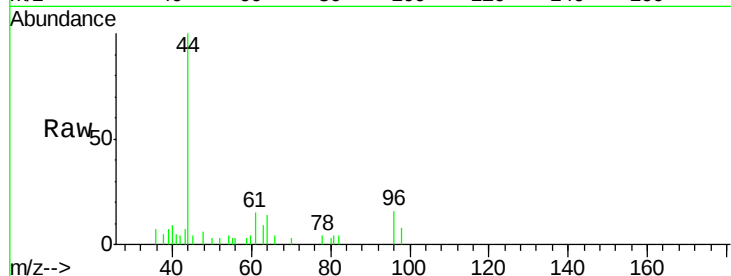
Tot Ion: 96 Resp: 412

Ion Ratio Lower Upper

96 100

61 93.3 130.2 195.4#

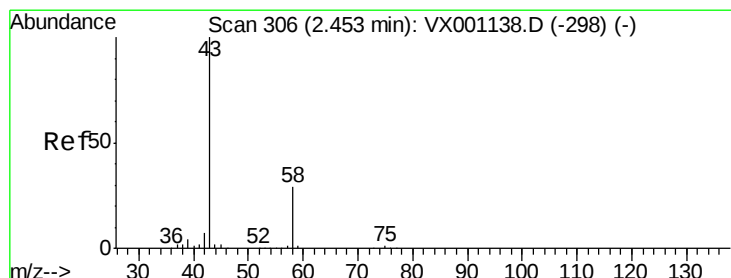
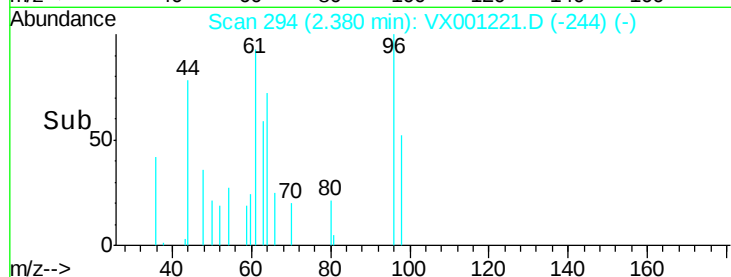
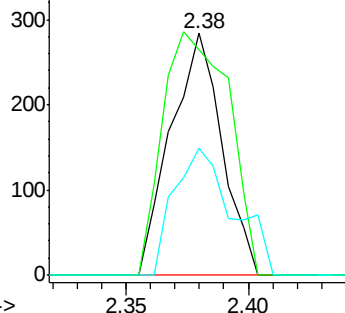
98 52.5 51.5 77.3



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



#16

Acetone

Concen: 5.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001221.D

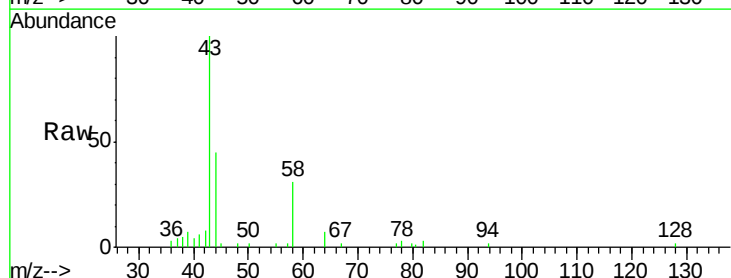
Acq: 28 Apr 2018 18:30

Tgt Ion: 43 Resp: 6527

Ion Ratio Lower Upper

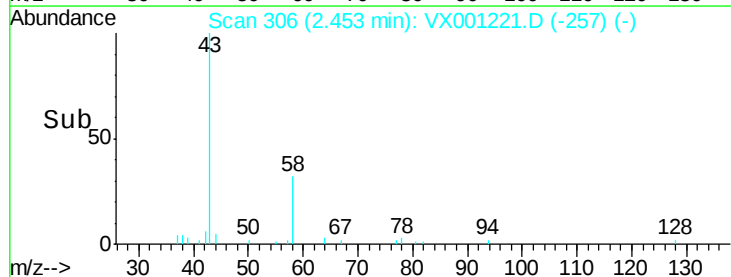
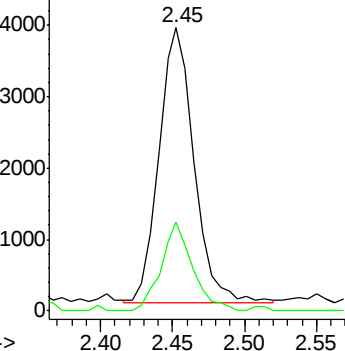
43 100

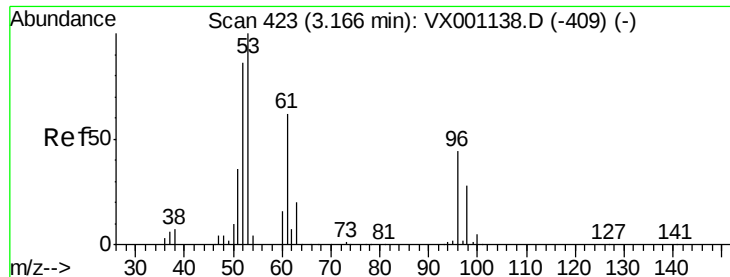
58 32.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 1.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180423

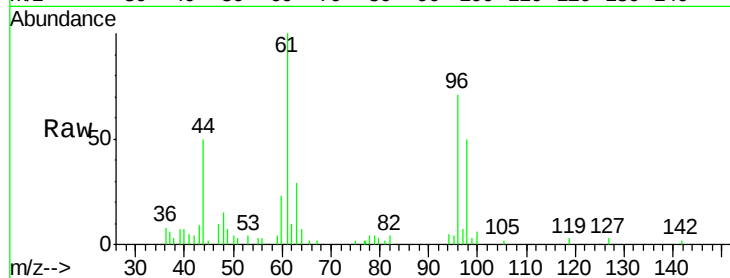
Tot Ion: 96 Resp: 3185

Ion Ratio Lower Upper

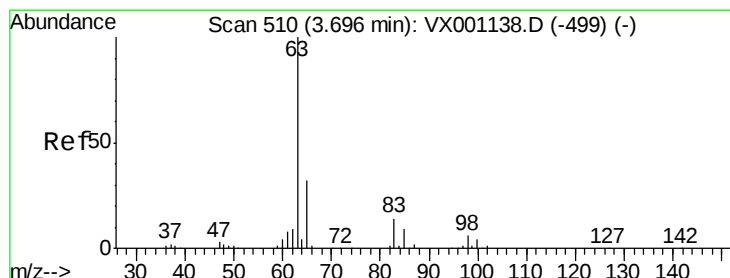
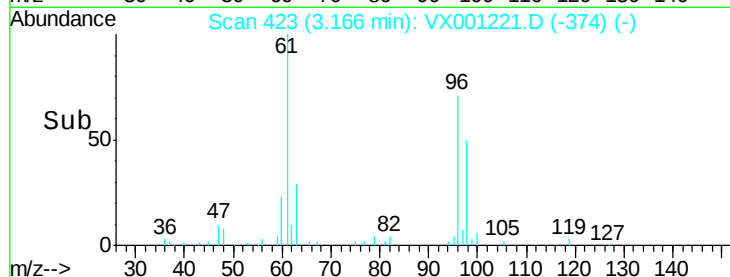
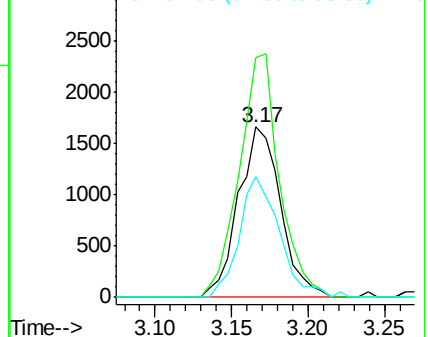
96 100

61 140.8 111.9 167.9

98 71.0 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



#24

1,1-Dichloroethane

Concen: 2.63 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

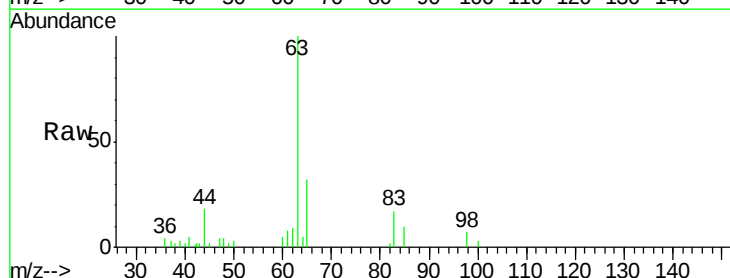
Tgt Ion: 63 Resp: 8765

Ion Ratio Lower Upper

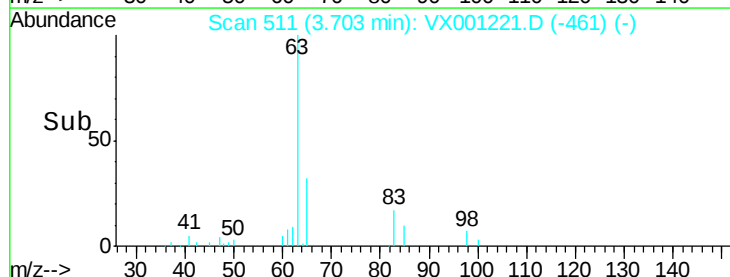
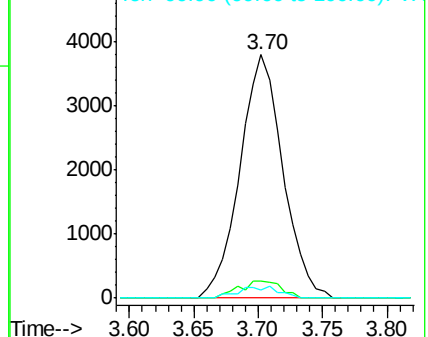
63 100

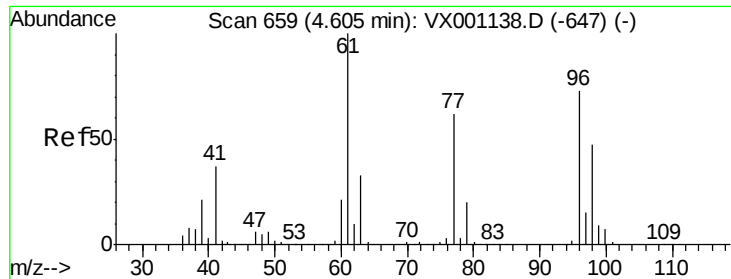
98 6.8 3.1 9.4

100 3.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 53.01 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

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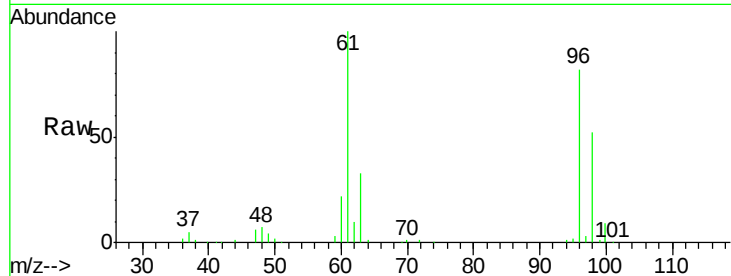
Tot Ion: 96 Resp: 111597

Ion Ratio Lower Upper

96 100

61 124.4 0.0 289.0

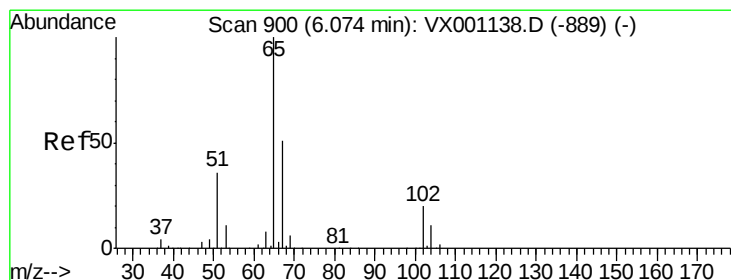
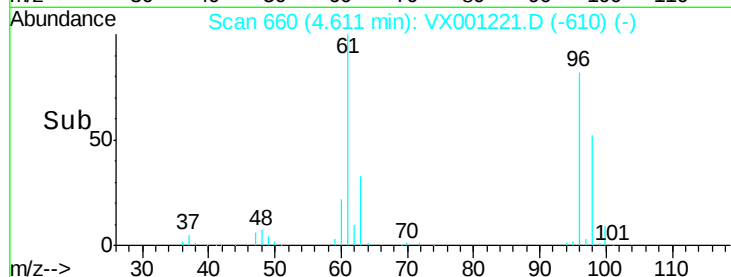
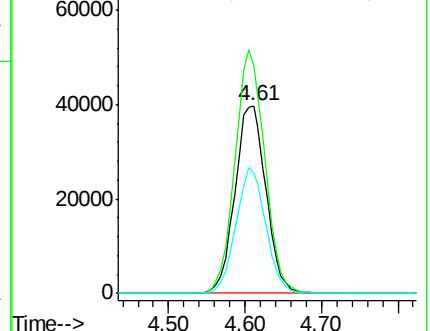
98 64.1 0.0 128.2



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: 48.27 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001221.D

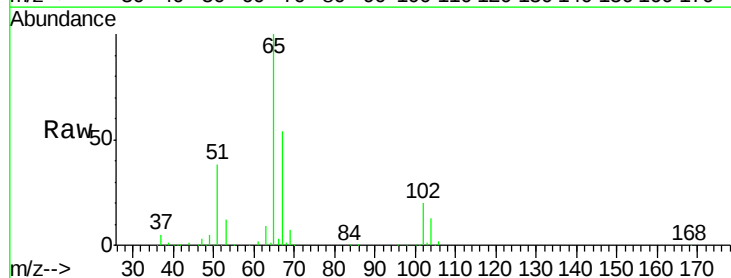
Acq: 28 Apr 2018 18:30

Tgt Ion: 65 Resp: 128700

Ion Ratio Lower Upper

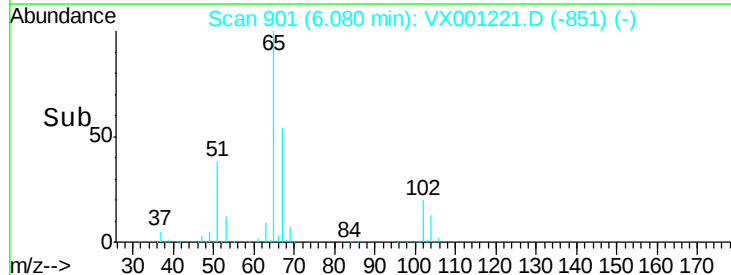
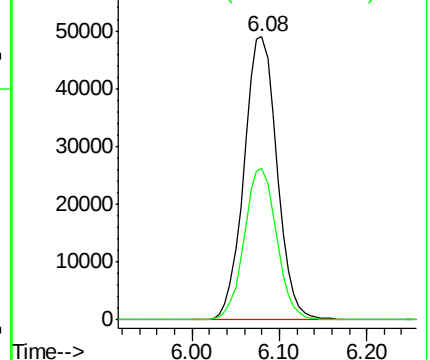
65 100

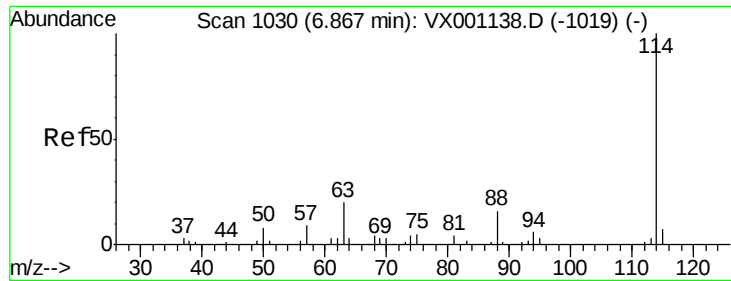
67 52.7 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

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ClientSampleId :

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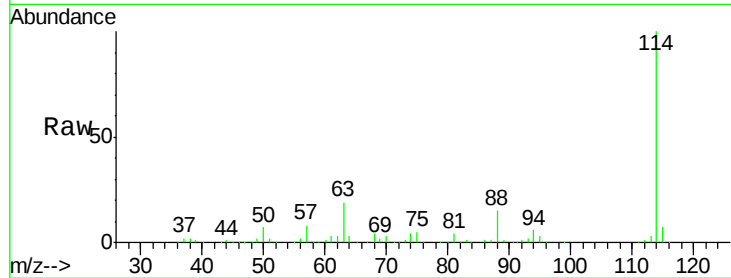
Tot Ion:114 Resp: 234918

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.4

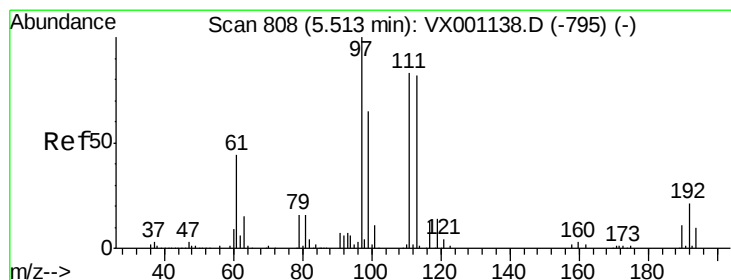
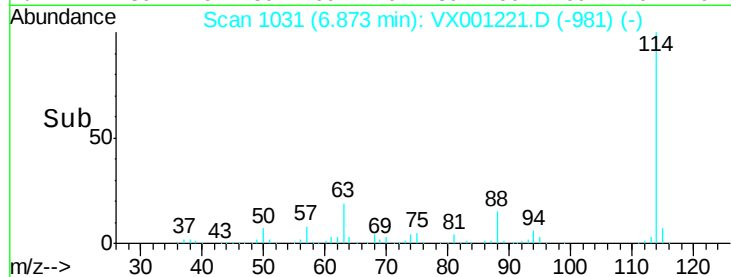
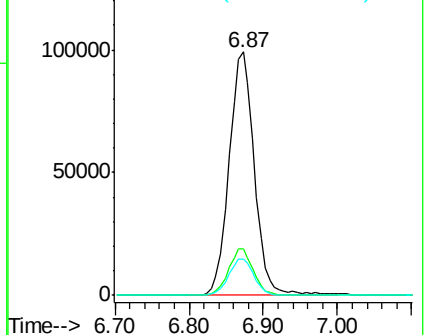
88 15.2 0.0 31.8



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: 52.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

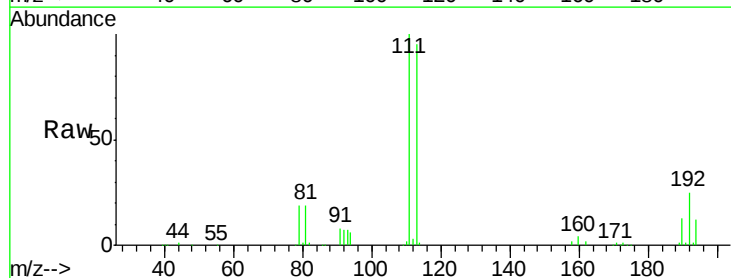
Tgt Ion:113 Resp: 101919

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

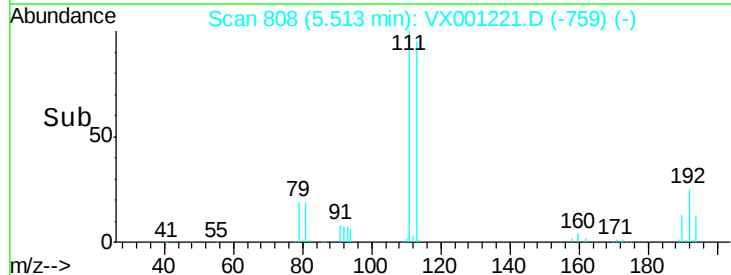
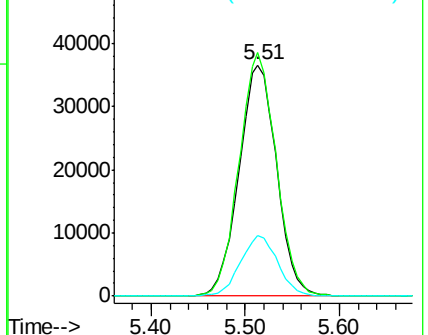
192 25.9 20.6 30.8

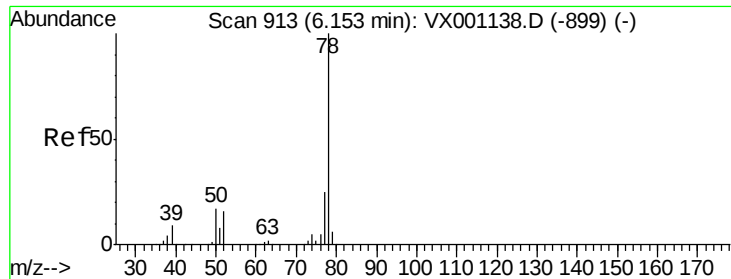


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 4.64 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

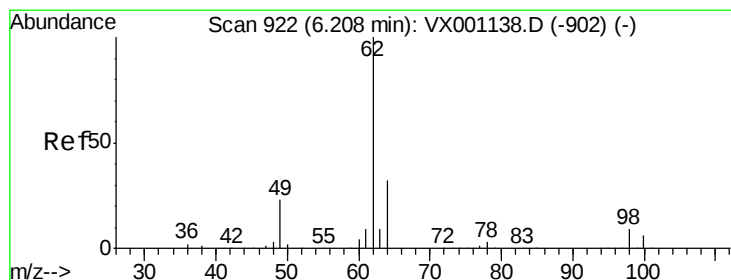
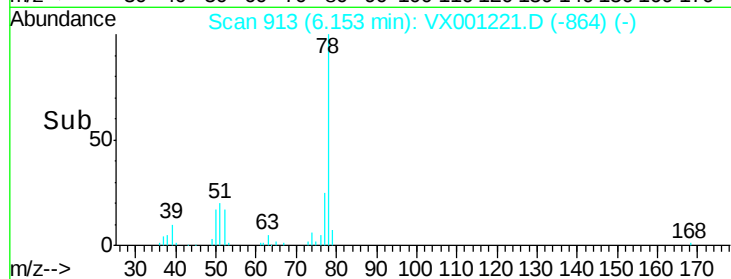
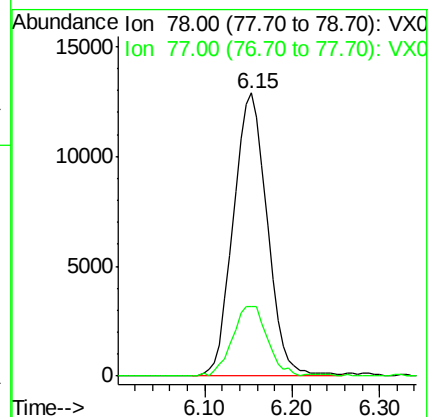
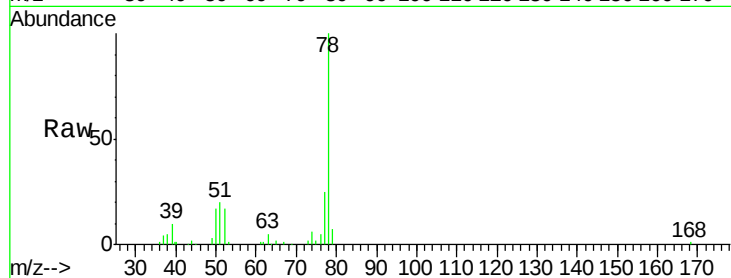
WP022MW359-180423

Tot Ion: 78 Resp: 34782

Ion Ratio Lower Upper

78 100

77 24.7 19.7 29.5



#42

1,2-Dichloroethane

Concen: 1.06 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX001221.D

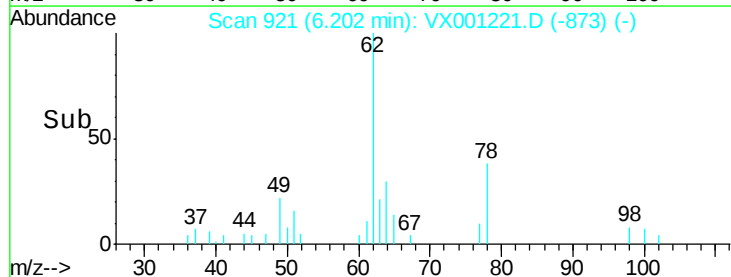
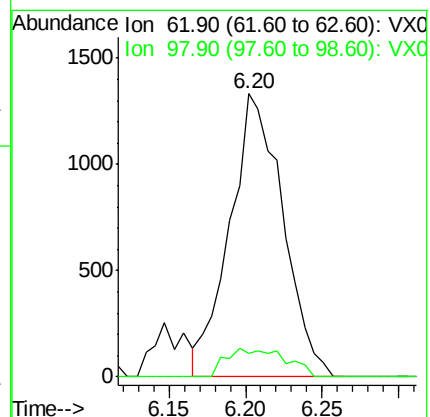
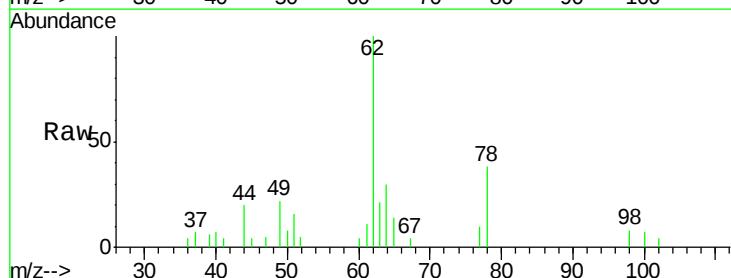
Acq: 28 Apr 2018 18:30

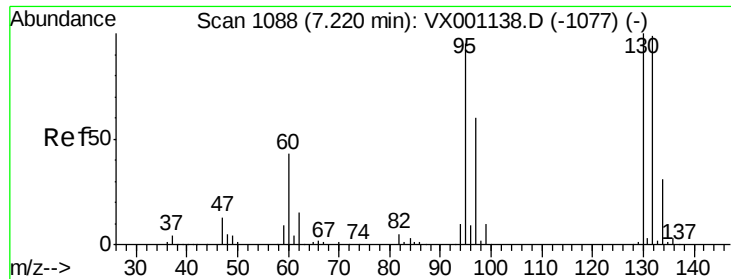
Tgt Ion: 62 Resp: 3213

Ion Ratio Lower Upper

62 100

98 11.1 0.0 17.0





#44

Trichloroethene

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

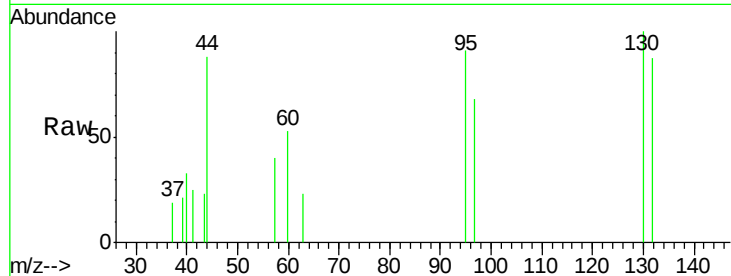
WP022MW359-180423

Tot Ion:130 Resp: 521

Ion Ratio Lower Upper

130 100

95 91.4 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

250

200

150

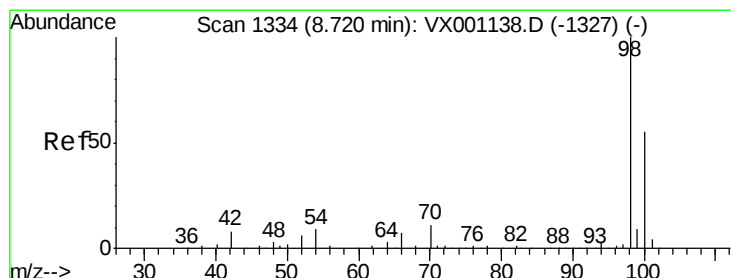
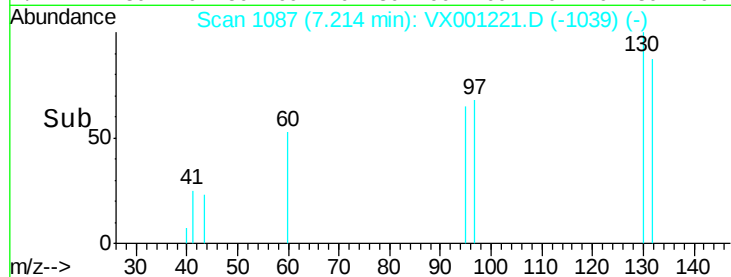
100

50

0

7.20 7.25

Time-->



#50

Toluene-d8

Concen: 53.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001221.D

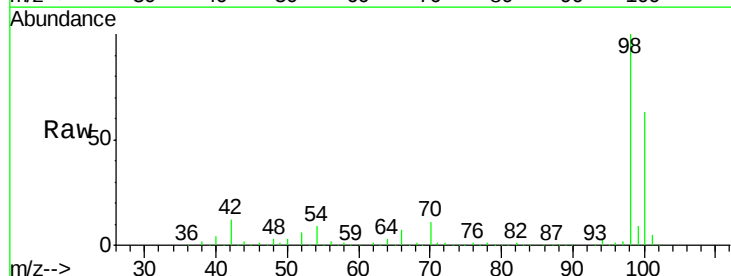
Acq: 28 Apr 2018 18:30

Tgt Ion: 98 Resp: 390629

Ion Ratio Lower Upper

98 100

100 63.6 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

250000

200000

150000

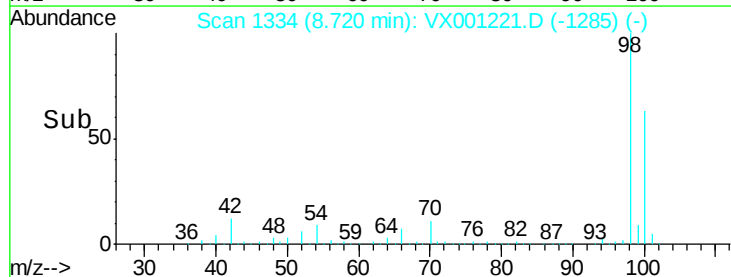
100000

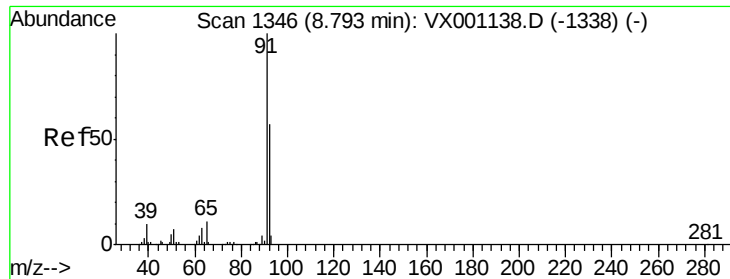
50000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#52

Toluene

Concen: 0.78 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

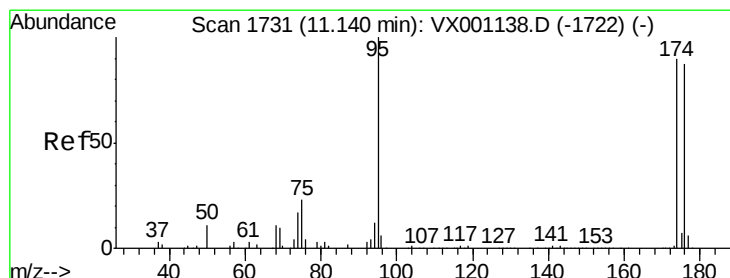
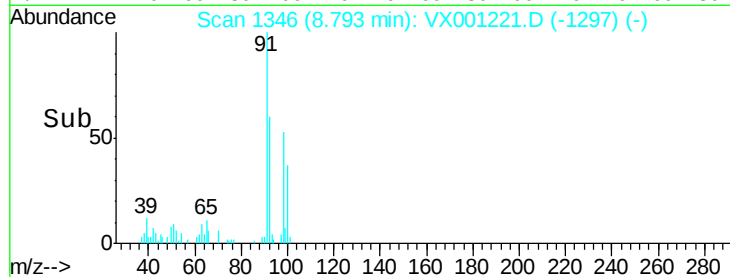
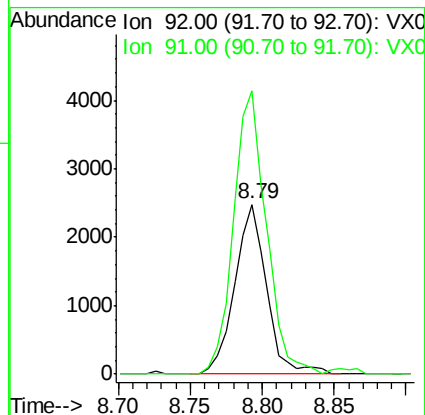
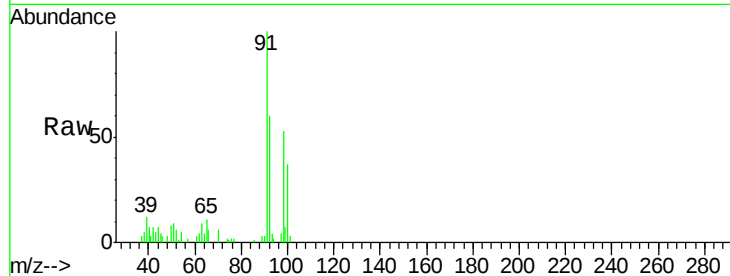
WP022MW359-180423

Tot Ion: 92 Resp: 3827

Ion Ratio Lower Upper

92 100

91 171.8 139.8 209.6



#62

4-Bromofluorobenzene

Concen: 47.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

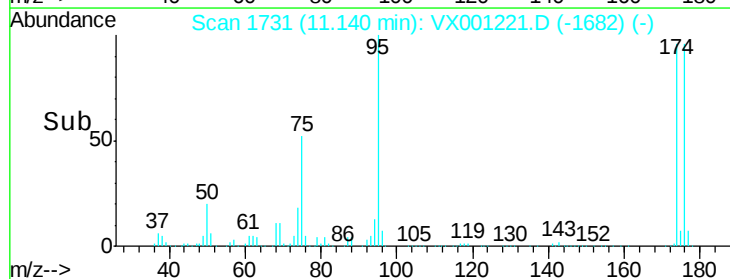
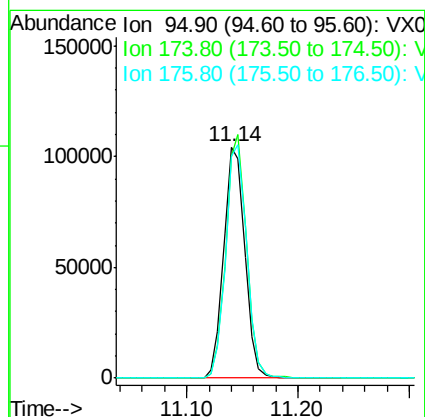
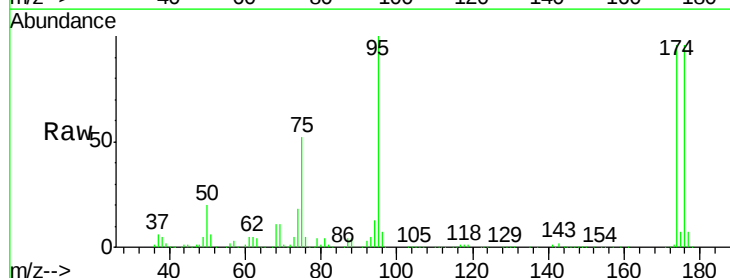
Tgt Ion: 95 Resp: 137334

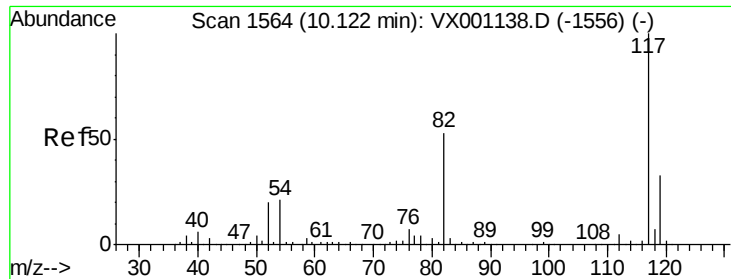
Ion Ratio Lower Upper

95 100

174 102.5 0.0 194.4

176 100.7 0.0 190.2

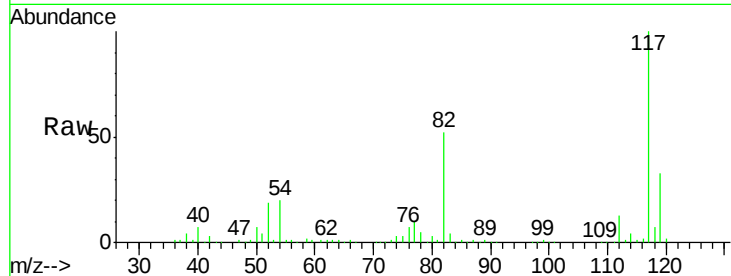




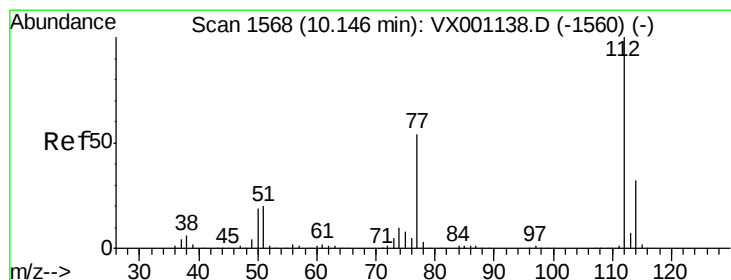
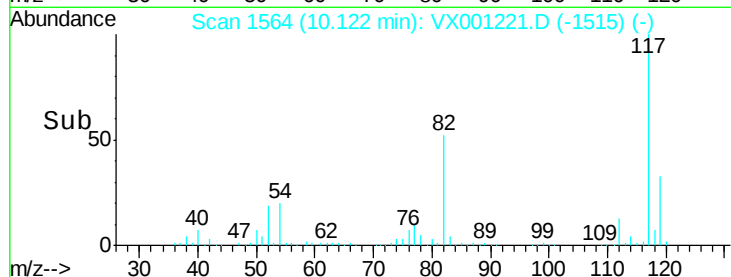
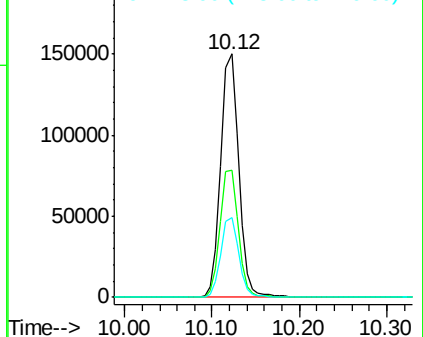
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001221.D
Acq: 28 Apr 2018 18:30

Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180423

Tot Ion:117 Resp: 214782
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 32.6 26.1 39.1

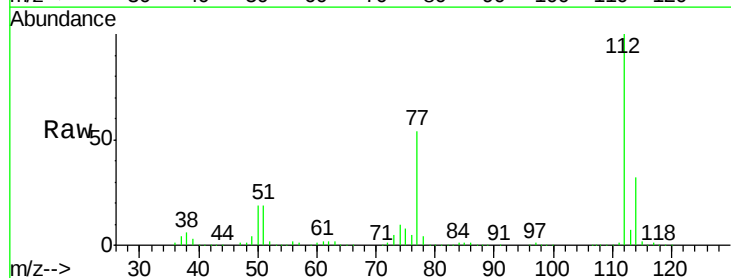


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

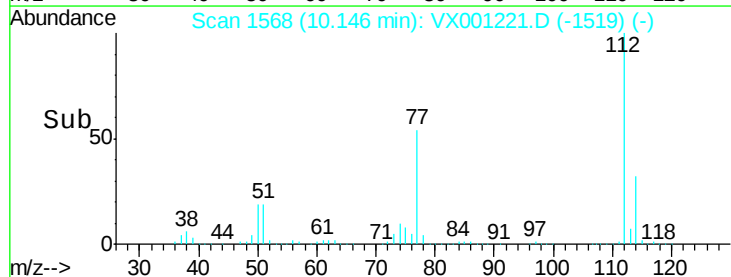
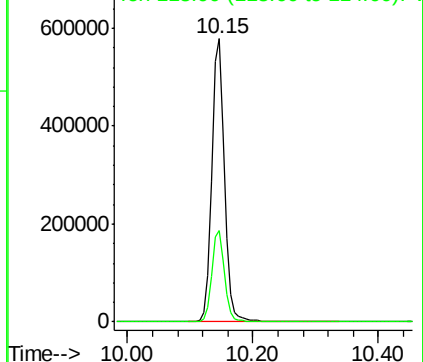


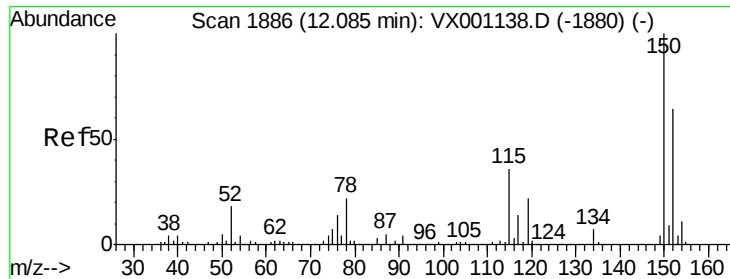
#65
Chlorobenzene
Concen: 142.46 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001221.D
Acq: 28 Apr 2018 18:30

Tgt Ion:112 Resp: 801645
Ion Ratio Lower Upper
112 100
114 32.4 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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180423

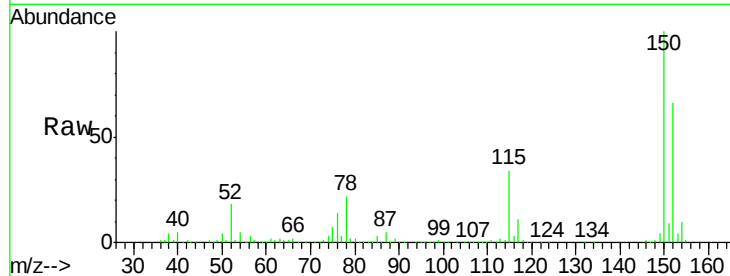
Tot Ion:152 Resp: 129598

Ion Ratio Lower Upper

152 100

115 52.8 38.0 114.0

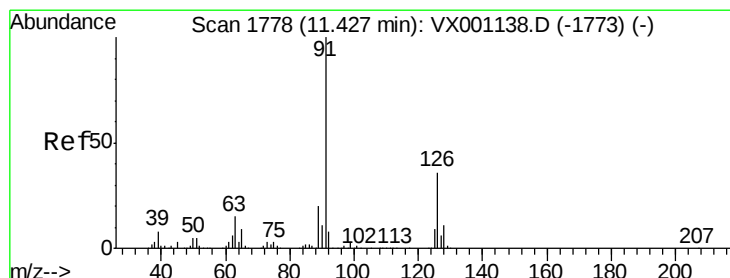
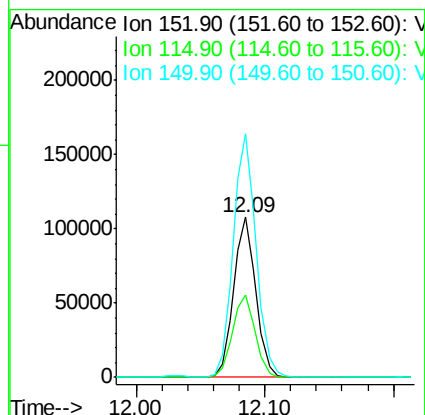
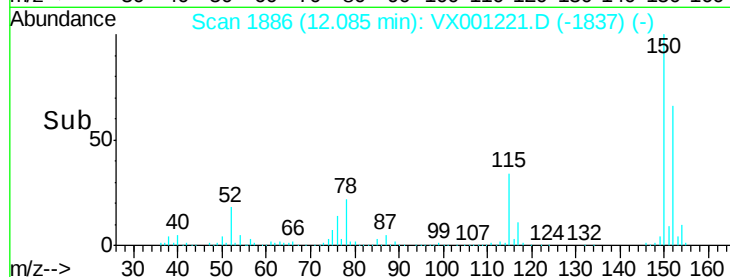
150 157.1 0.0 349.6



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



#79

2-Chlorotoluene

Concen: 0.20 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001221.D

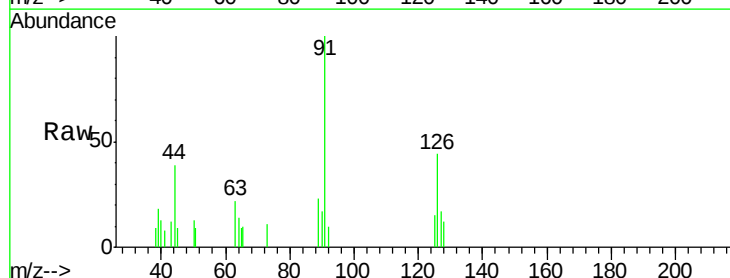
Acq: 28 Apr 2018 18:30

Tgt Ion: 91 Resp: 1179

Ion Ratio Lower Upper

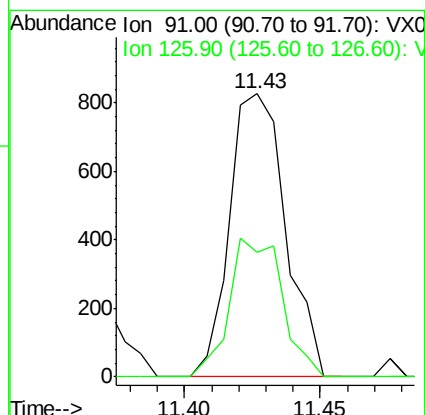
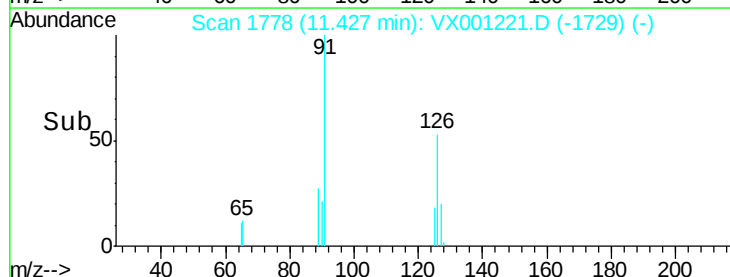
91 100

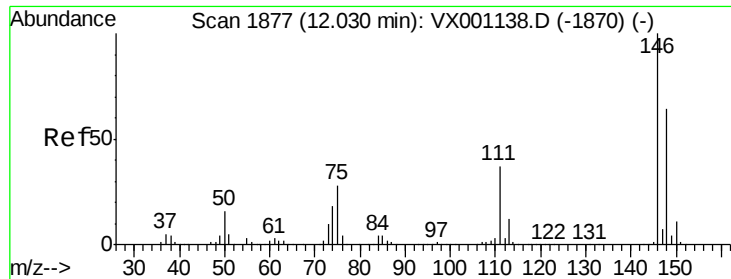
126 46.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

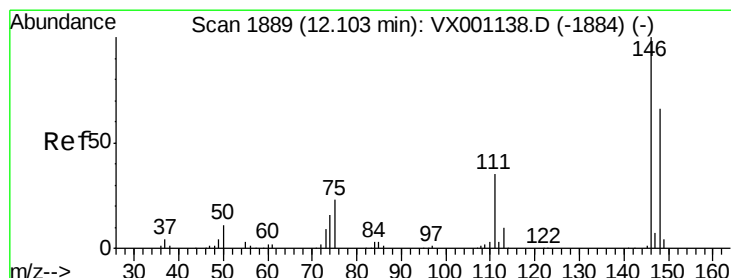
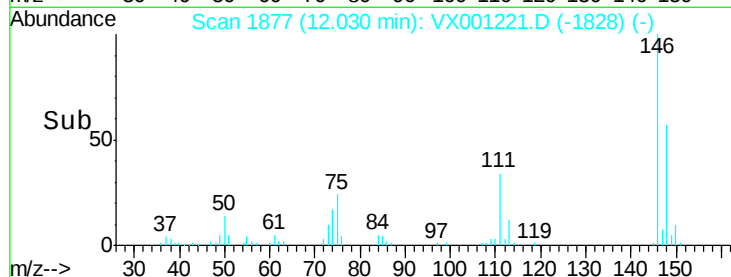
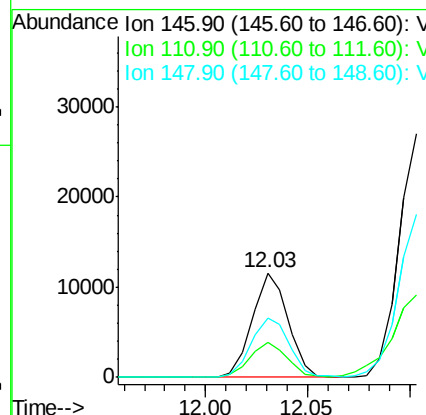
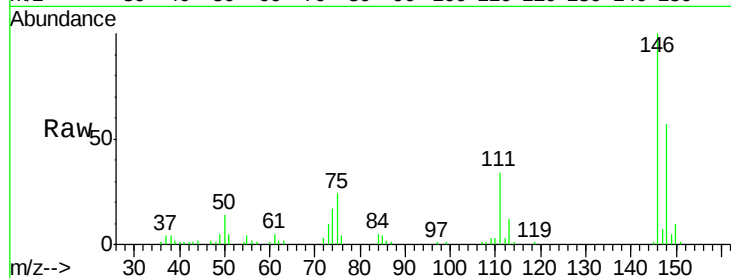




#87
 1,3-Dichlorobenzene
 Concen: 3.14 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001221.D
 Acq: 28 Apr 2018 18:30

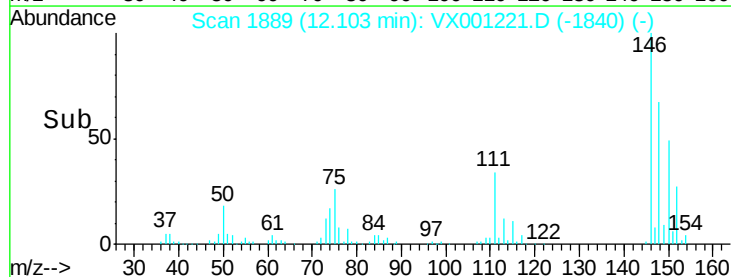
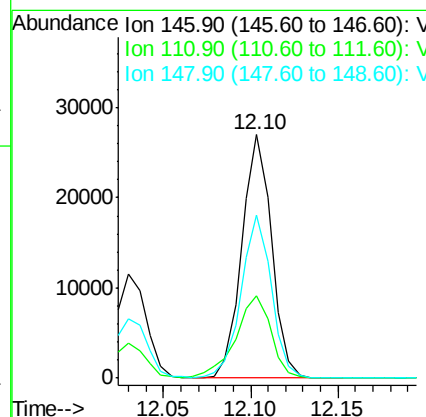
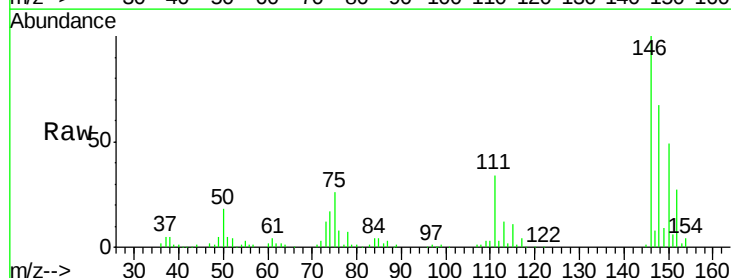
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180423

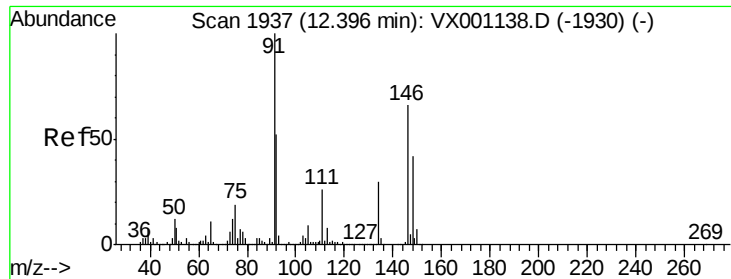
Tot Ion:146 Resp: 14131
 Ion Ratio Lower Upper
 146 100
 111 34.6 18.6 56.0
 148 60.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 6.81 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001221.D
 Acq: 28 Apr 2018 18:30

Tgt Ion:146 Resp: 31901
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.0 54.0
 148 68.2 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 6.81 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001221.D

Acq: 28 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180423

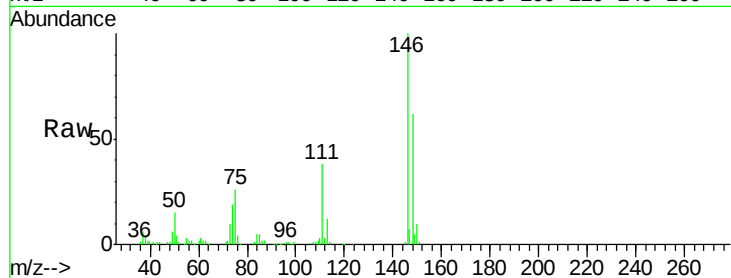
Tot Ion:146 Resp: 30963

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.3

148 65.7 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

