

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000809.D
 Acq On : 12 Apr 2018 18:14
 Operator : JC/MD
 Sample : J2236-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104

Quant Time: Apr 13 06:56:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	276484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357776	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205982	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	157093	45.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.12%	
35) Dibromofluoromethane	5.51	113	129235	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
50) Toluene-d8	8.72	98	491587	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.15	95	188707	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	

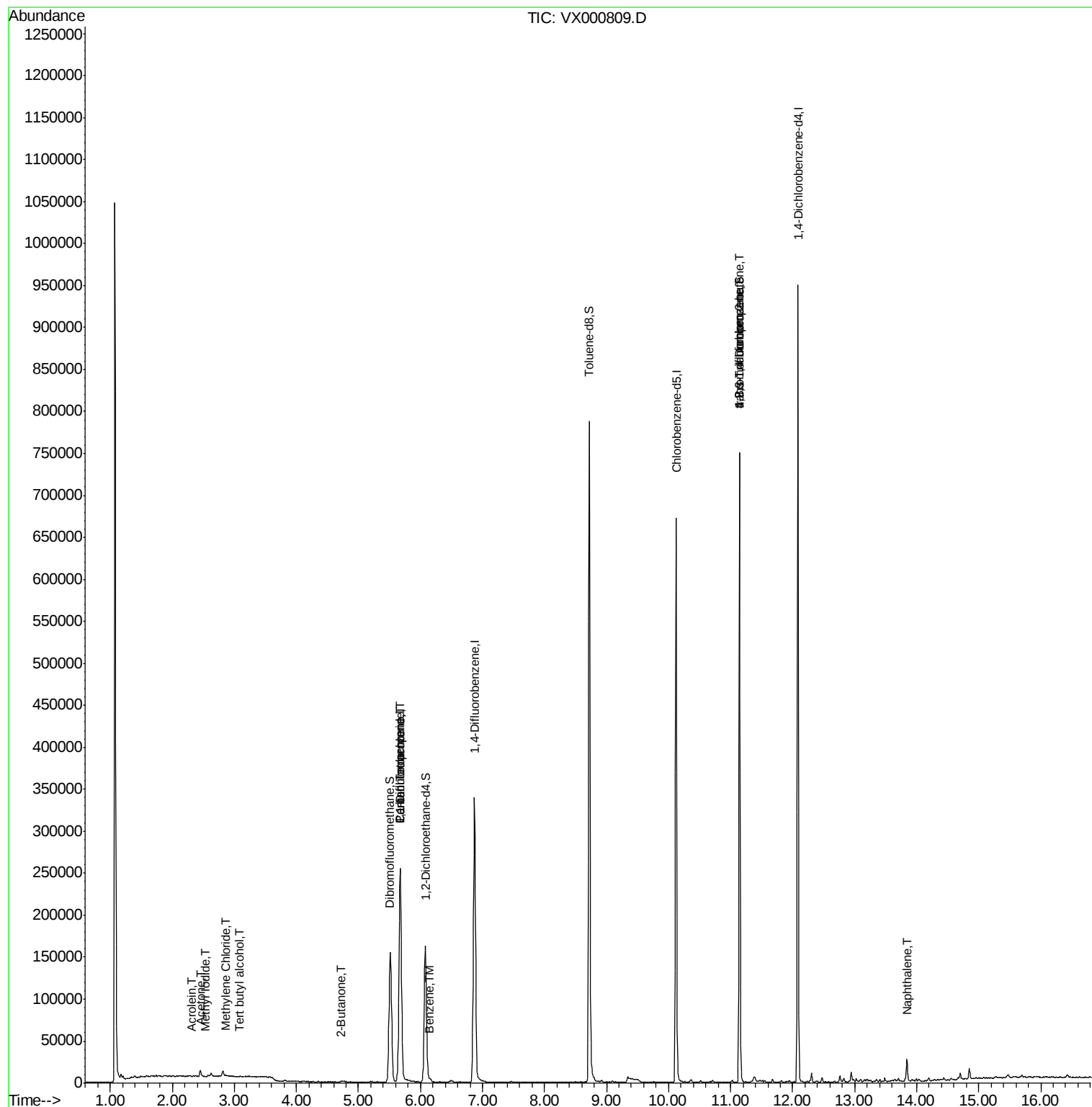
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	265	Below Cal		82
10) Methyl Iodide	2.53	142	171	8.30	ug/l #	42
11) Tert butyl alcohol	3.08	59	405	0.65	ug/l #	10
13) Acrolein	2.31	56	143	0.48	ug/l #	13
16) Acetone	2.45	43	7910	6.58	ug/l	95
20) Methylene Chloride	2.87	84	689	0.25	ug/l #	93
25) 2-Butanone	4.72	43	1704	0.86	ug/l	92
36) 1,1-Dichloropropene	5.67	75	16704	4.24	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23427	5.31	ug/l #	15
40) Benzene	6.15	78	4588	0.42	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	91761	25.83	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	91761	71.06	ug/l #	11
95) Naphthalene	13.84	128	15798	1.05	ug/l	97

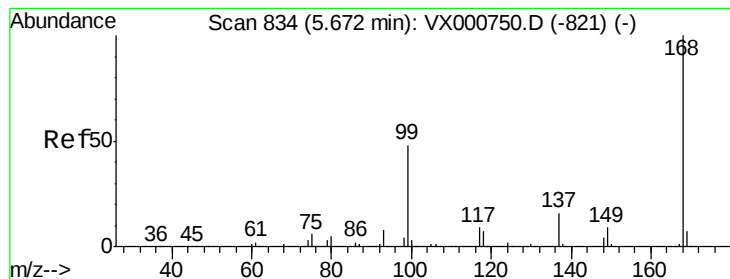
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000809.D

Acq: 12 Apr 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

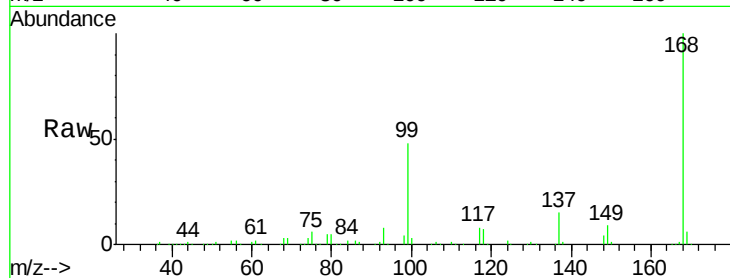
MW-104

Tgt Ion:168 Resp: 276484

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

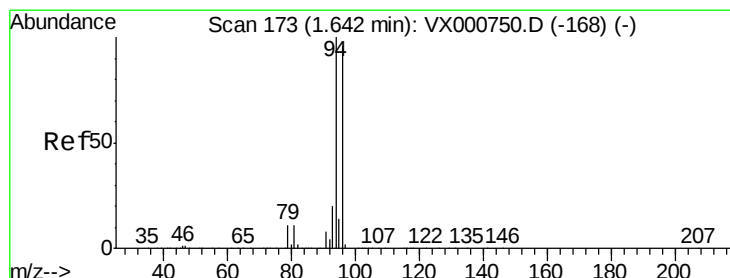
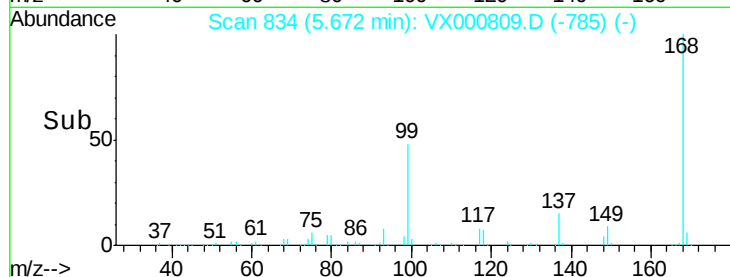
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000809.D

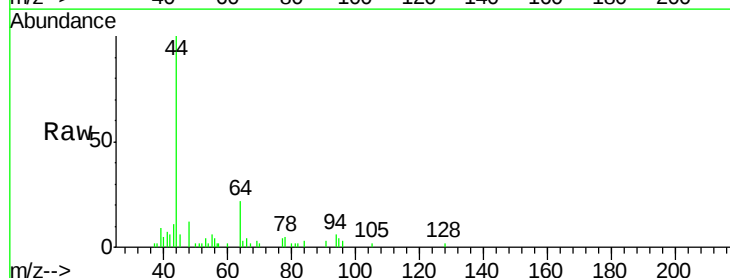
Acq: 12 Apr 2018 18:14

Tgt Ion: 94 Resp: 265

Ion Ratio Lower Upper

94 100

96 79.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

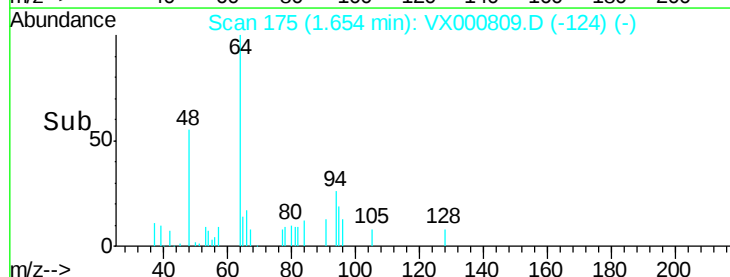
100

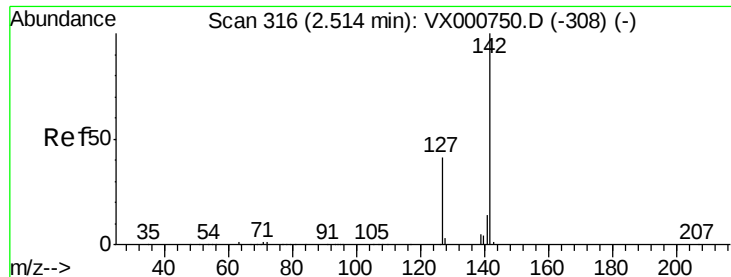
50

0

1.60 1.65 1.70

Time-->

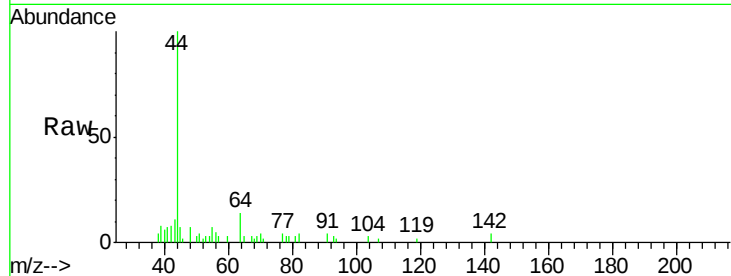




#10
Methyl Iodide
Concen: 8.30 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

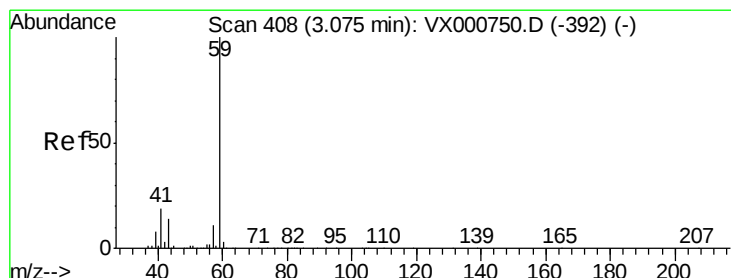
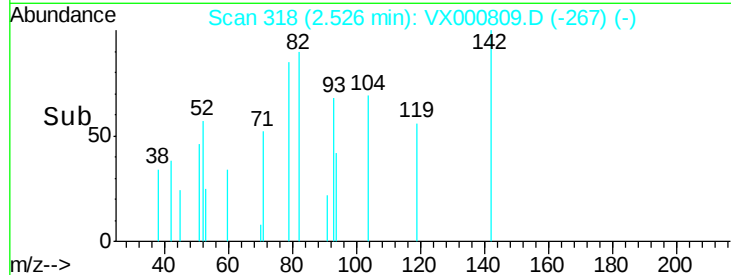
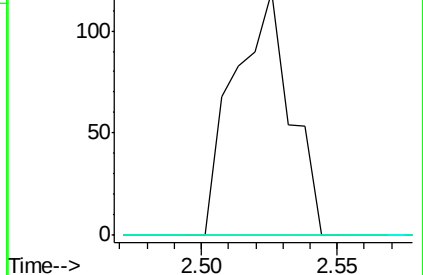
Instrument :
MSVOA_X
ClientSampled :
MW-104

Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



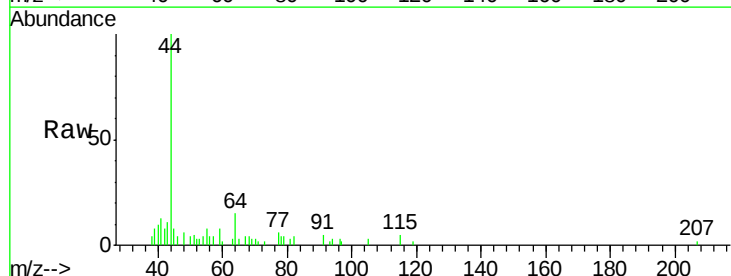
Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.53



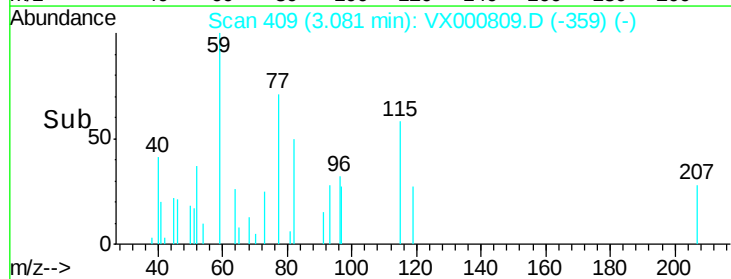
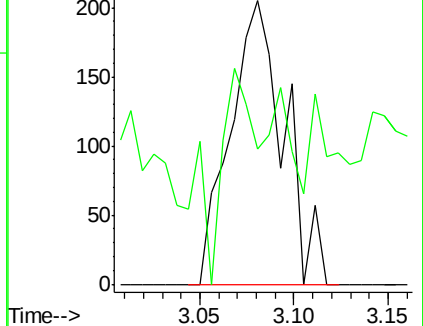
#11
Tert butyl alcohol
Concen: 0.65 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

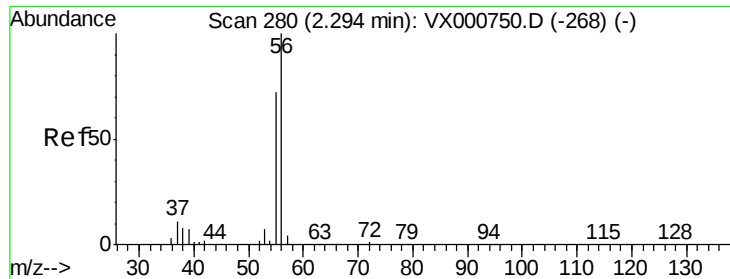
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 44.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

3.08





#13

Acrolein

Concen: 0.48 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

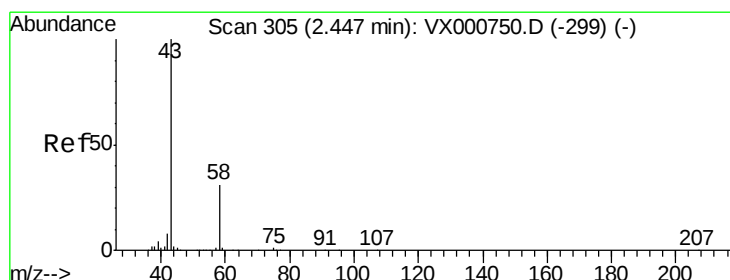
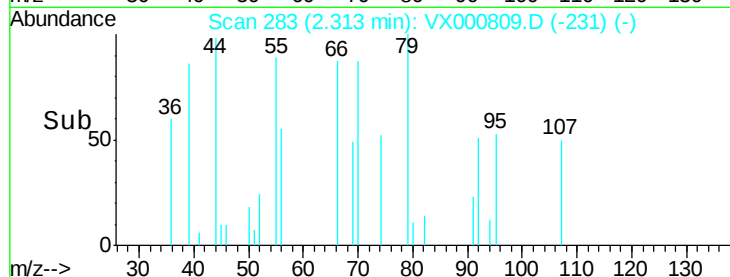
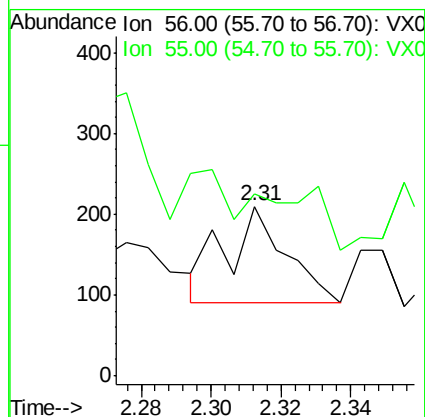
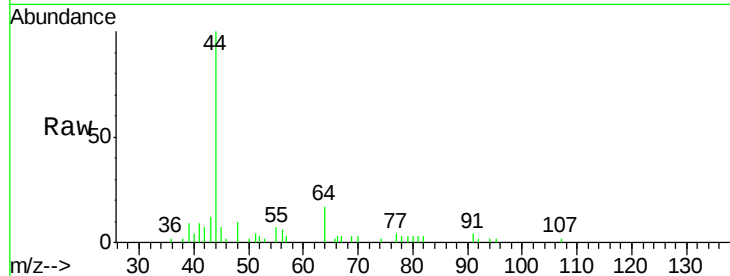
MW-104

Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



#16

Acetone

Concen: 6.58 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000809.D

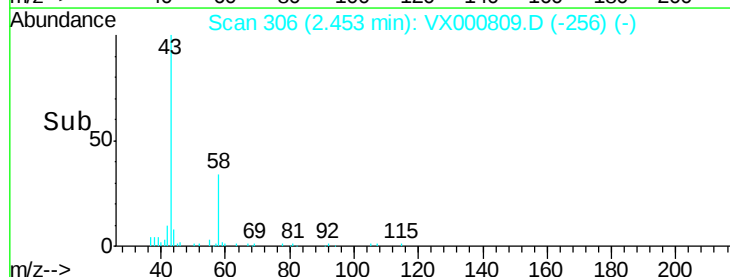
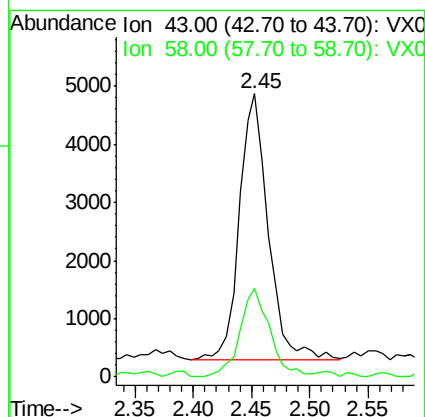
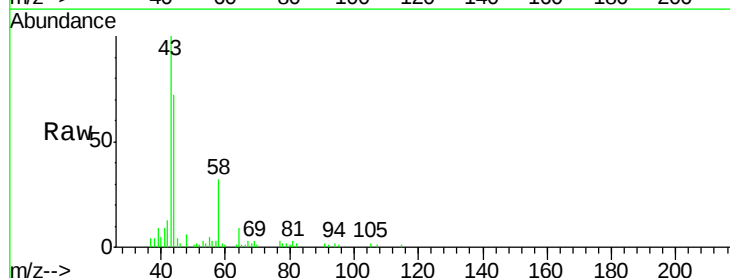
Acq: 12 Apr 2018 18:14

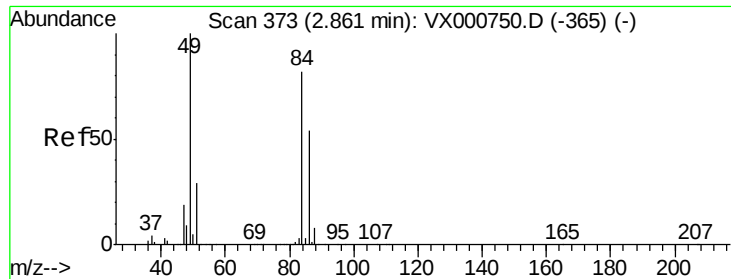
Tgt Ion: 43 Resp: 7910

Ion Ratio Lower Upper

43 100

58 33.6 24.6 37.0





#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

MW-104

Tgt Ion: 84 Resp: 689

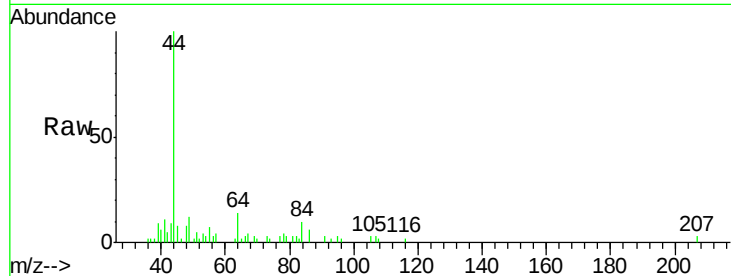
Ion Ratio Lower Upper

84 100

49 121.0 98.1 147.1

51 24.8 28.9 43.3#

86 57.7 52.7 79.1

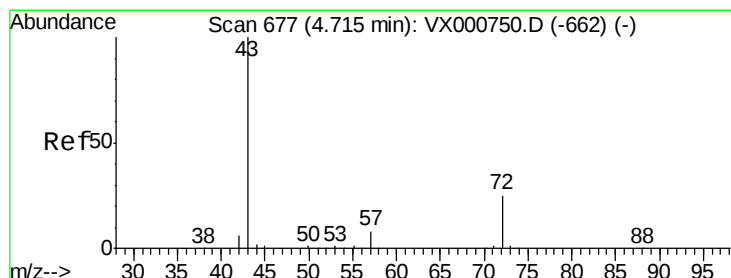
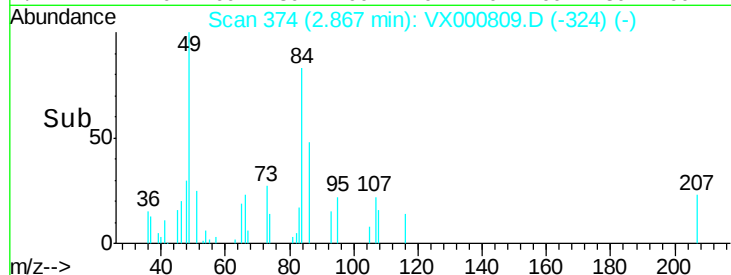
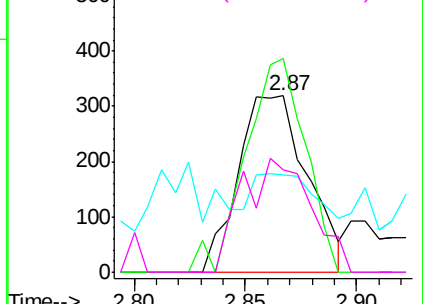


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.86 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000809.D

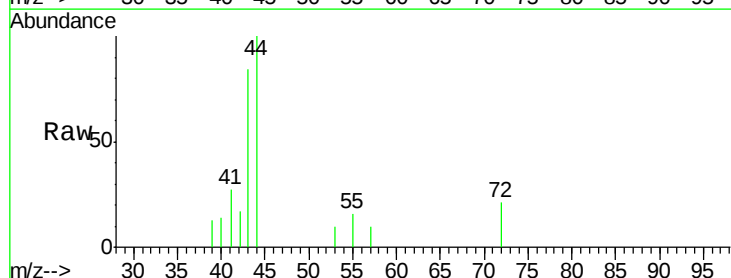
Acq: 12 Apr 2018 18:14

Tgt Ion: 43 Resp: 1704

Ion Ratio Lower Upper

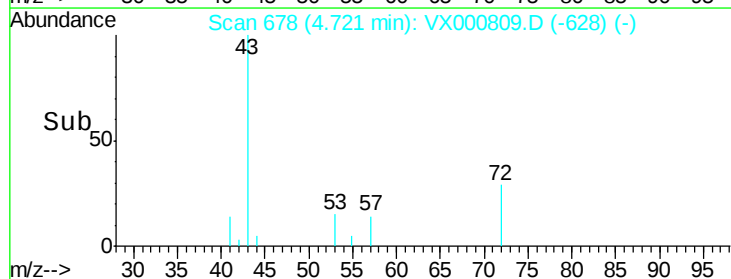
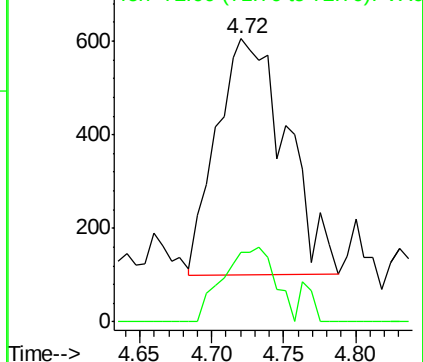
43 100

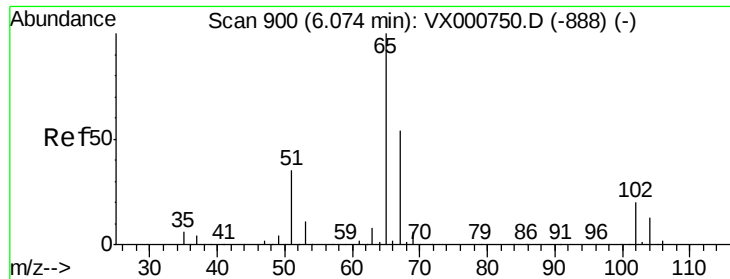
72 29.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

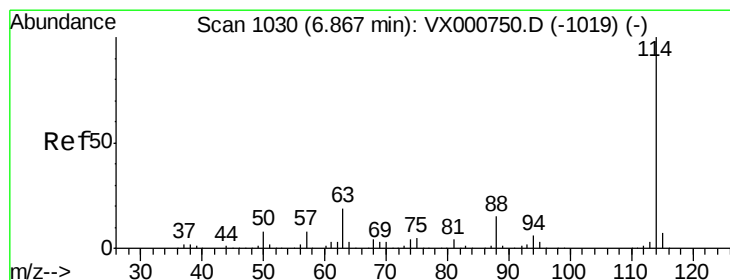
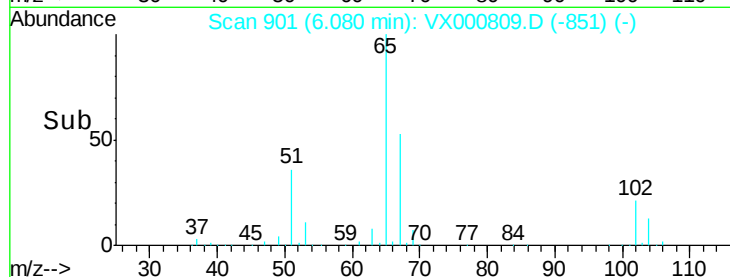
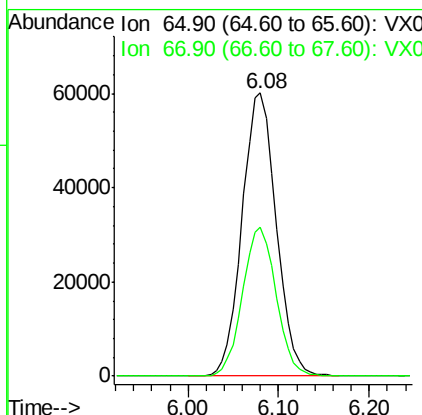
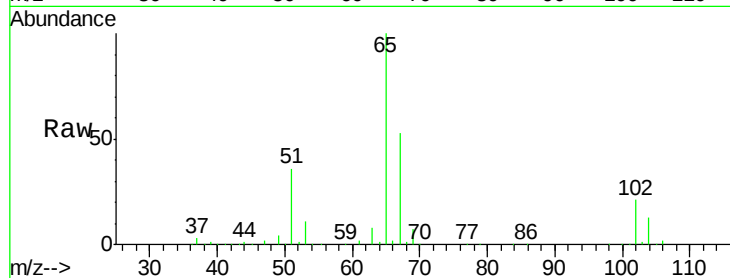




#33
 1,2-Dichloroethane-d4
 Concen: 45.06 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000809.D
 Acq: 12 Apr 2018 18:14

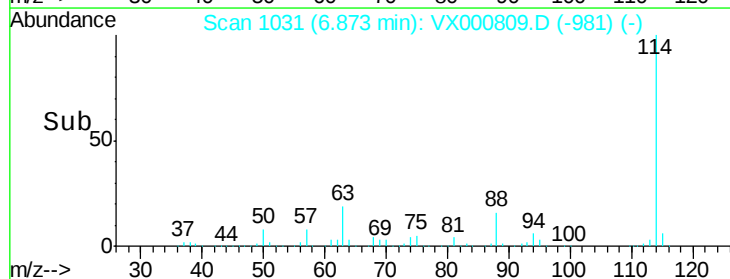
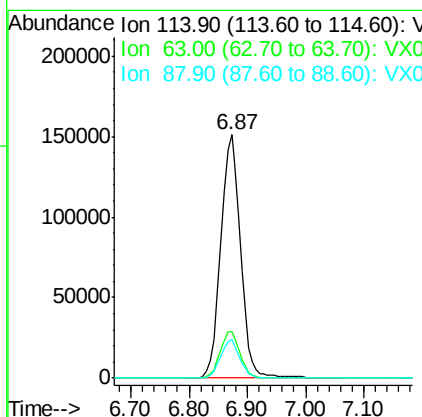
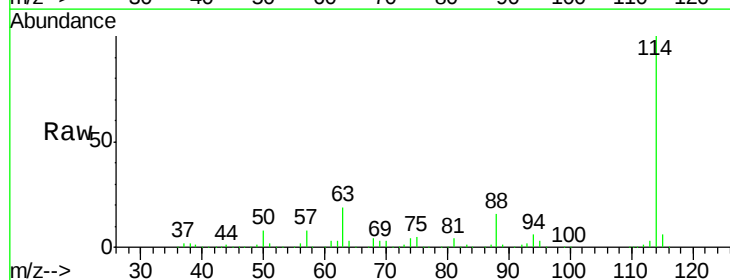
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104

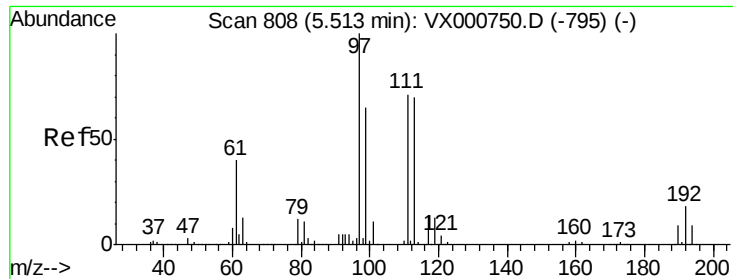
Tgt Ion: 65 Resp: 157093
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000809.D
 Acq: 12 Apr 2018 18:14

Tgt Ion: 114 Resp: 357776
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.88 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

MW-104

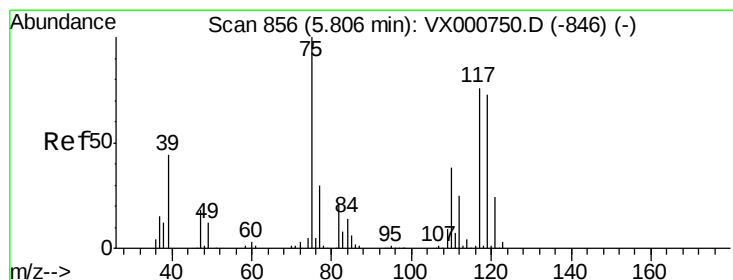
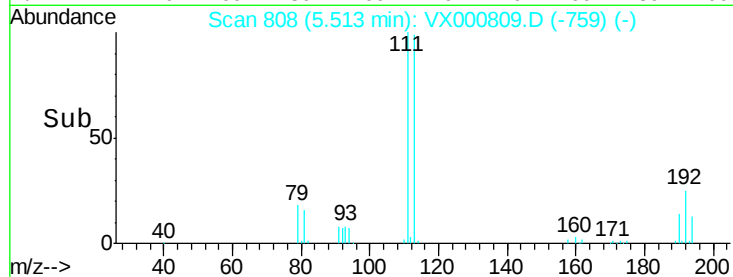
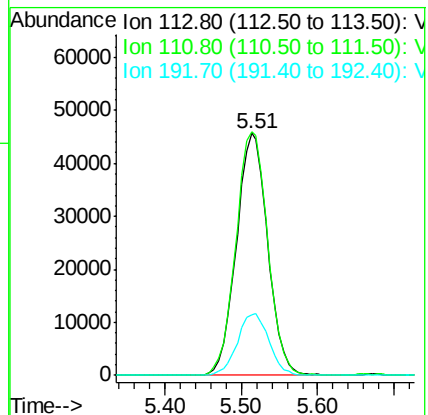
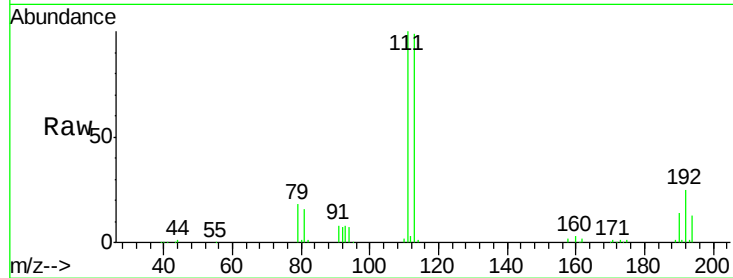
Tgt Ion:113 Resp: 129235

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

192 25.7 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.24 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

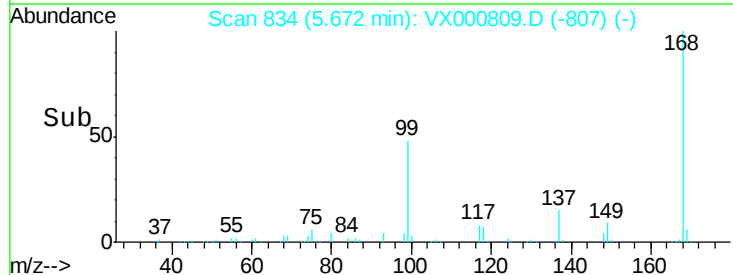
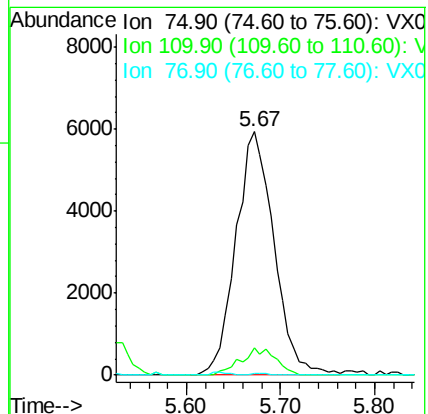
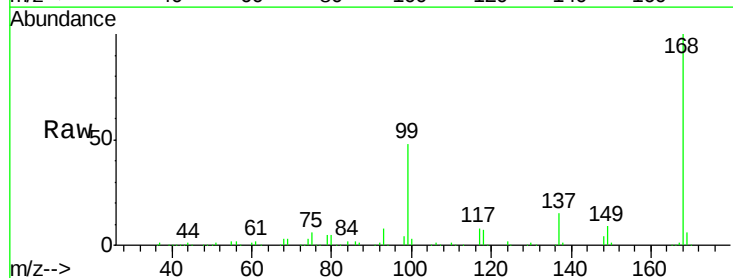
Tgt Ion: 75 Resp: 16704

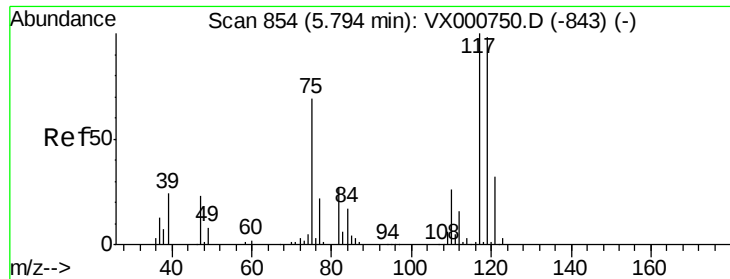
Ion Ratio Lower Upper

75 100

110 10.2 19.2 57.6#

77 0.4 25.4 38.2#

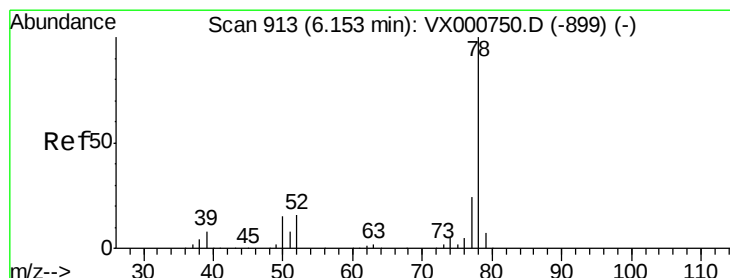
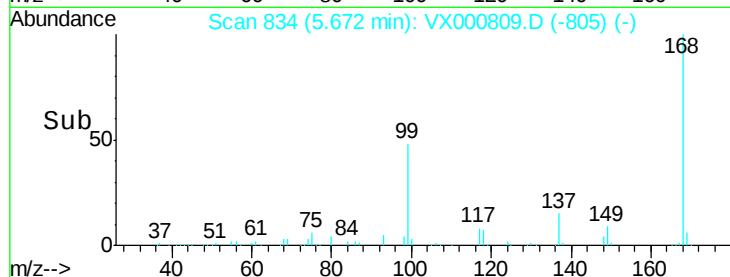
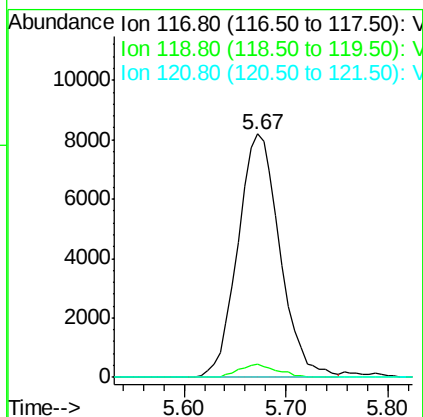
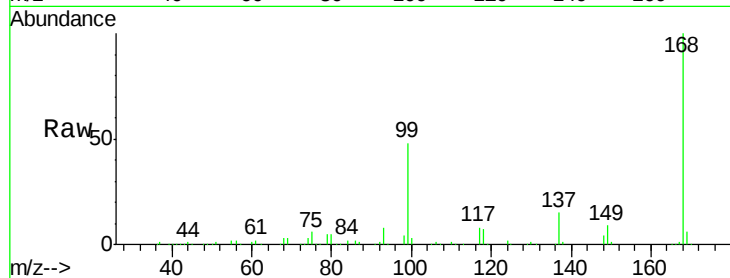




#38
Carbon Tetrachloride
Concen: 5.31 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

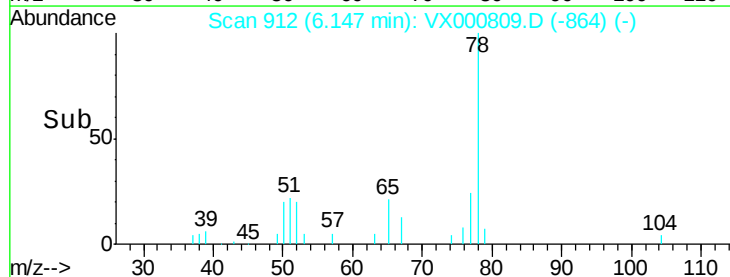
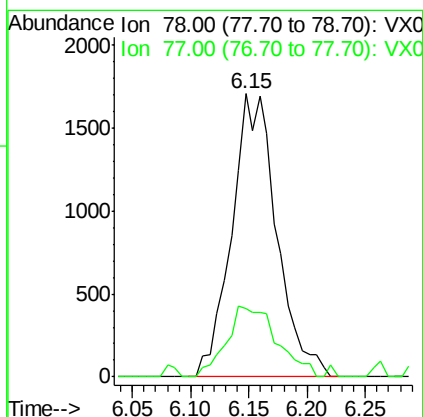
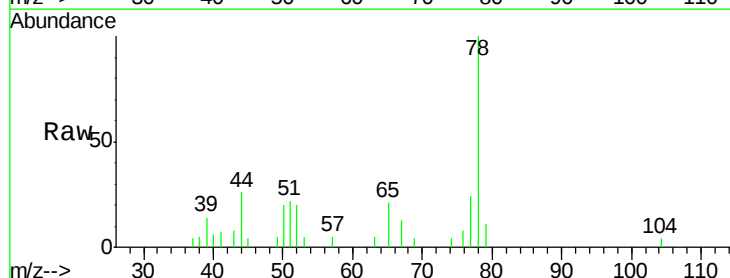
Instrument :
MSVOA_X
ClientSampled :
MW-104

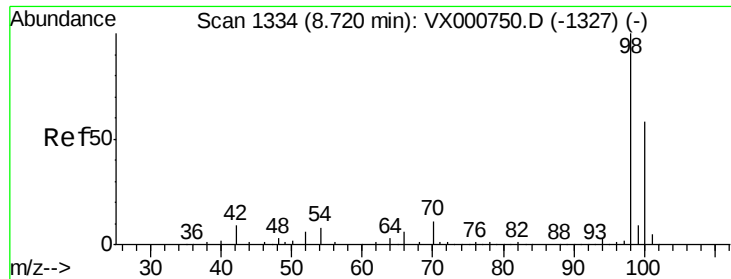
Tgt Ion: 117 Resp: 23427
Ion Ratio Lower Upper
117 100
119 5.6 78.4 117.6#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 0.42 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

Tgt Ion: 78 Resp: 4588
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#50

Toluene-d8

Concen: 47.90 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

Instrument :

MSVOA_X

ClientSampleId :

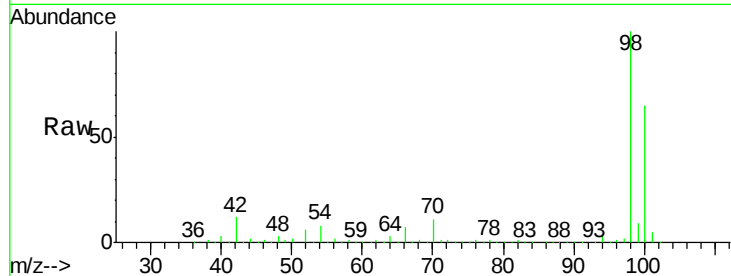
MW-104

Tgt Ion: 98 Resp: 491587

Ion Ratio Lower Upper

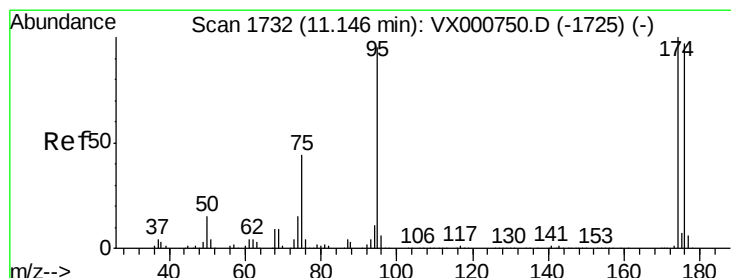
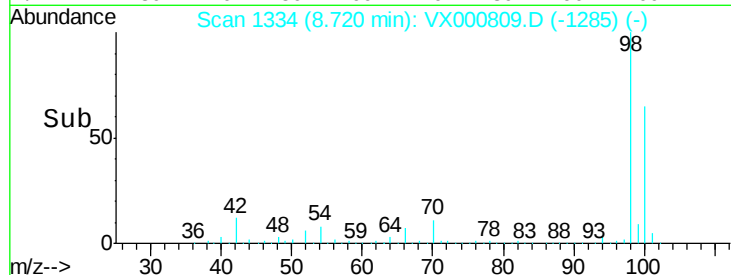
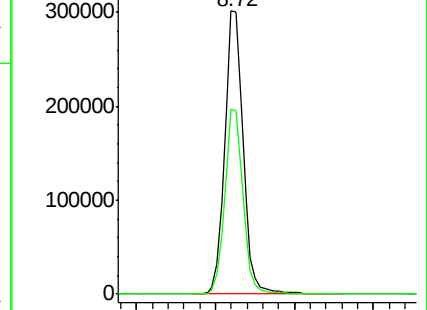
98 100

100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000809.D

Acq: 12 Apr 2018 18:14

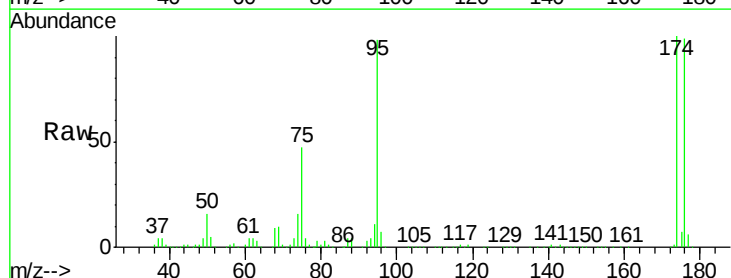
Tgt Ion: 95 Resp: 188707

Ion Ratio Lower Upper

95 100

174 97.3 0.0 198.4

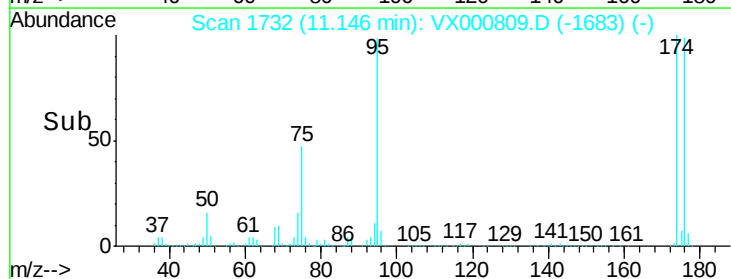
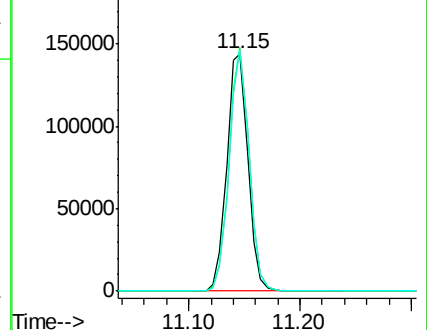
176 95.8 0.0 194.4

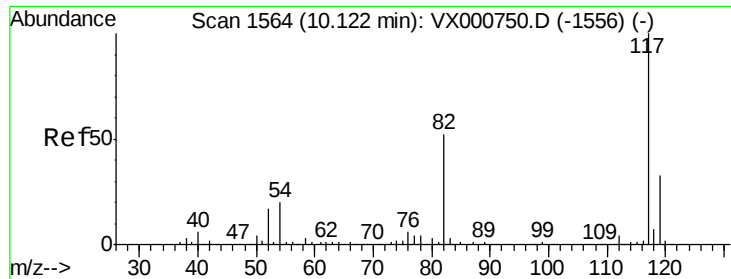


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

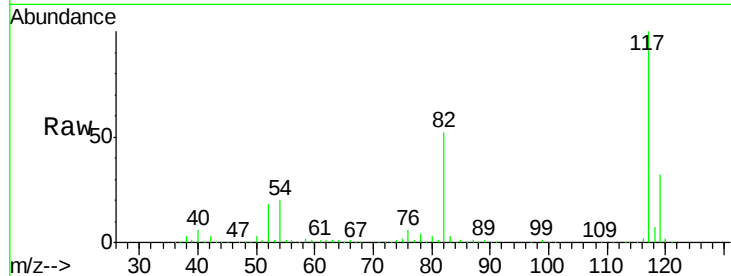




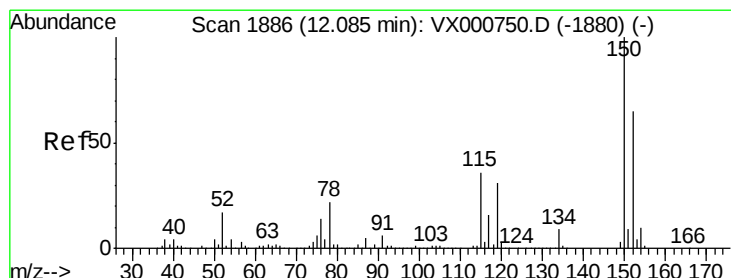
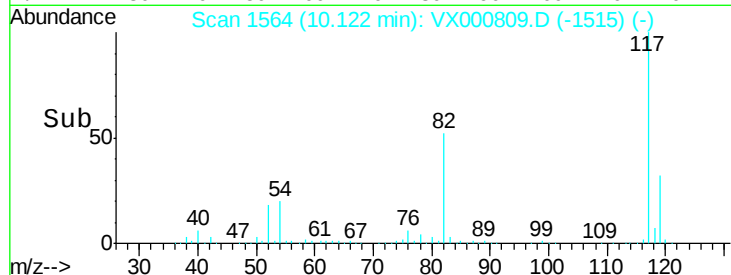
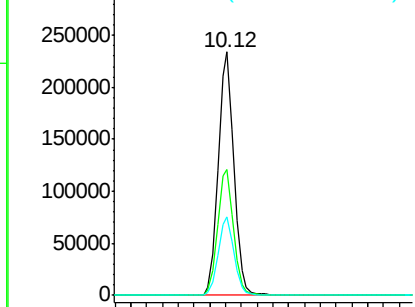
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

Instrument :
MSVOA_X
ClientSampled :
MW-104

Tgt Ion:117 Resp: 324744
Ion Ratio Lower Upper
117 100
82 51.9 41.9 62.9
119 32.5 26.0 39.0

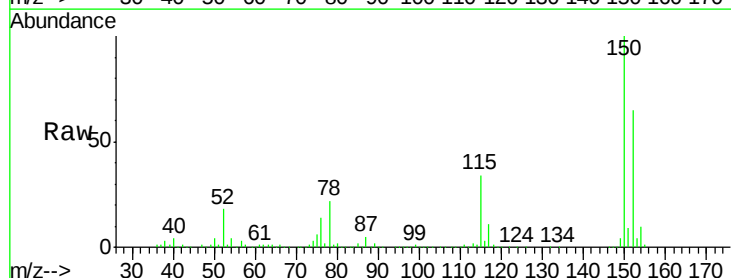


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

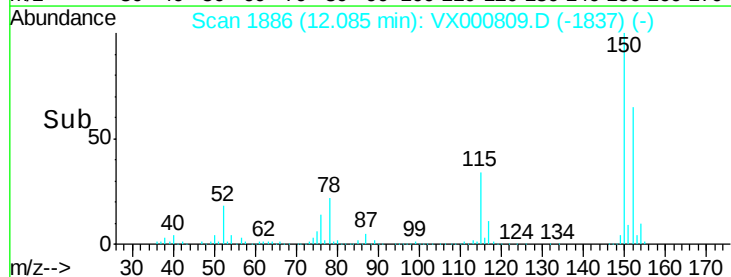
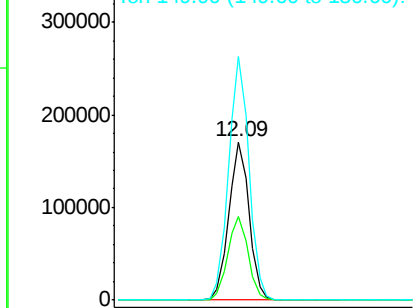


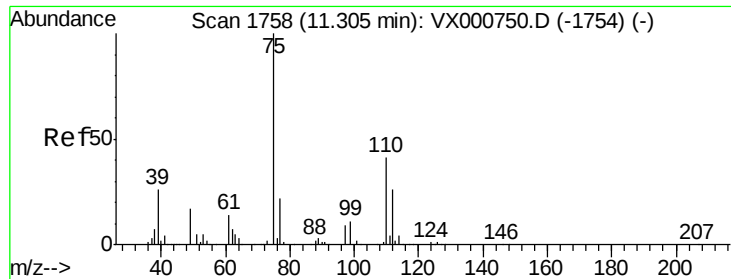
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

Tgt Ion:152 Resp: 205982
Ion Ratio Lower Upper
152 100
115 53.4 37.9 113.7
150 155.0 0.0 348.0



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

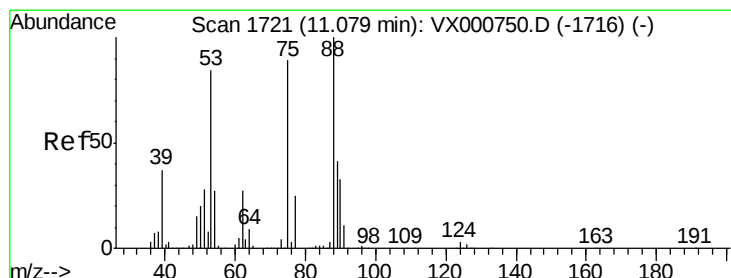
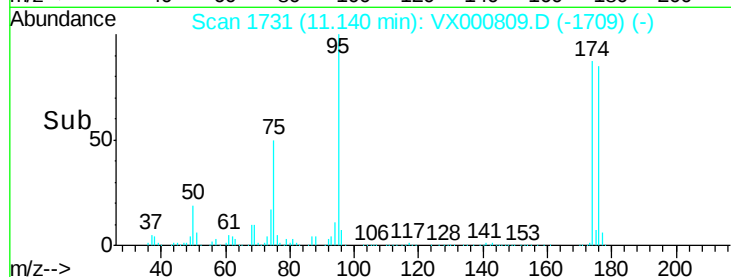
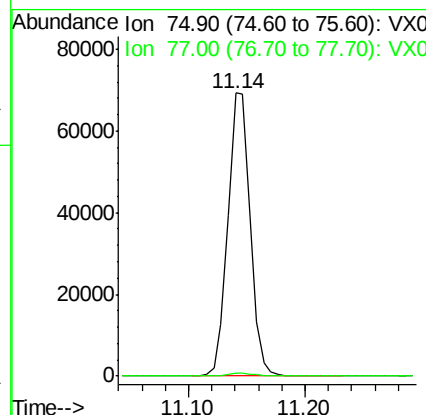
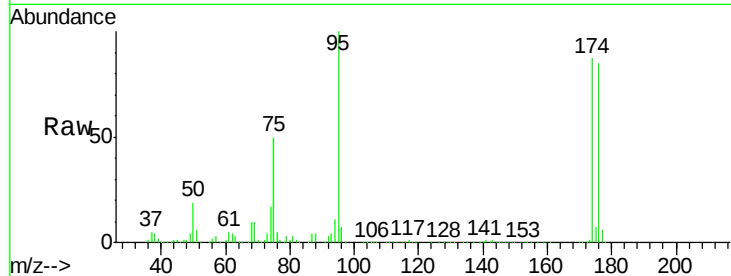




#76
 1,2,3-Trichloropropane
 Concen: 25.83 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000809.D
 Acq: 12 Apr 2018 18:14

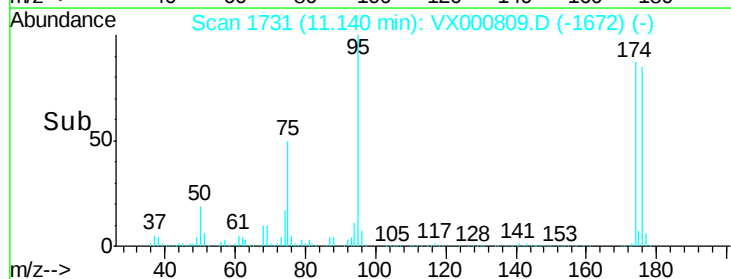
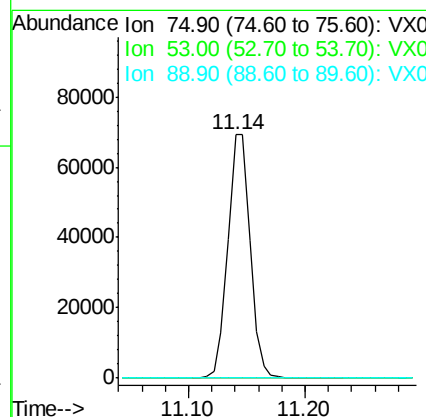
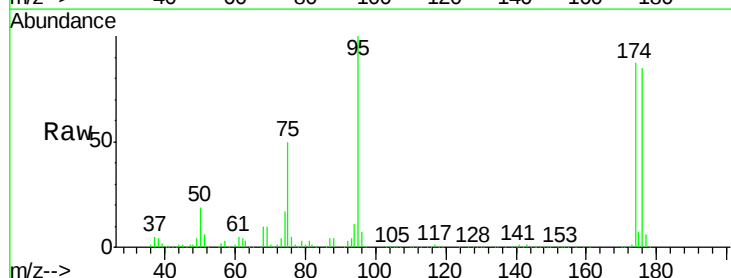
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104

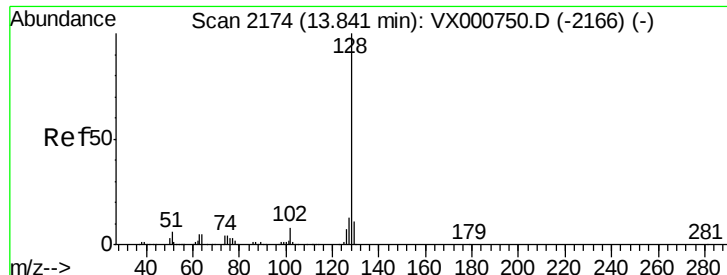
Tgt Ion: 75 Resp: 91761
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.06 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000809.D
 Acq: 12 Apr 2018 18:14

Tgt Ion: 75 Resp: 91761
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.4 113.0#
 89 0.0 40.9 61.3#

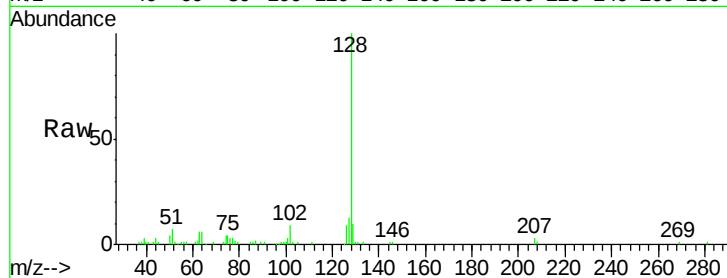




#95
Naphthalene
Concen: 1.05 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000809.D
Acq: 12 Apr 2018 18:14

Instrument :
MSVOA_X
ClientSampleId :
MW-104

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	12.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

