

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000762.D
 Acq On : 10 Apr 2018 21:36
 Operator : JC/MD
 Sample : J2157-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Apr 11 08:54:57 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	306553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	431714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239348	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	159188	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	
35) Dibromofluoromethane	5.51	113	133375	40.10	ug/l	0.00
Spiked Amount			Recovery	=	80.20%	
50) Toluene-d8	8.72	98	496501	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	
62) 4-Bromofluorobenzene	11.14	95	202188	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	

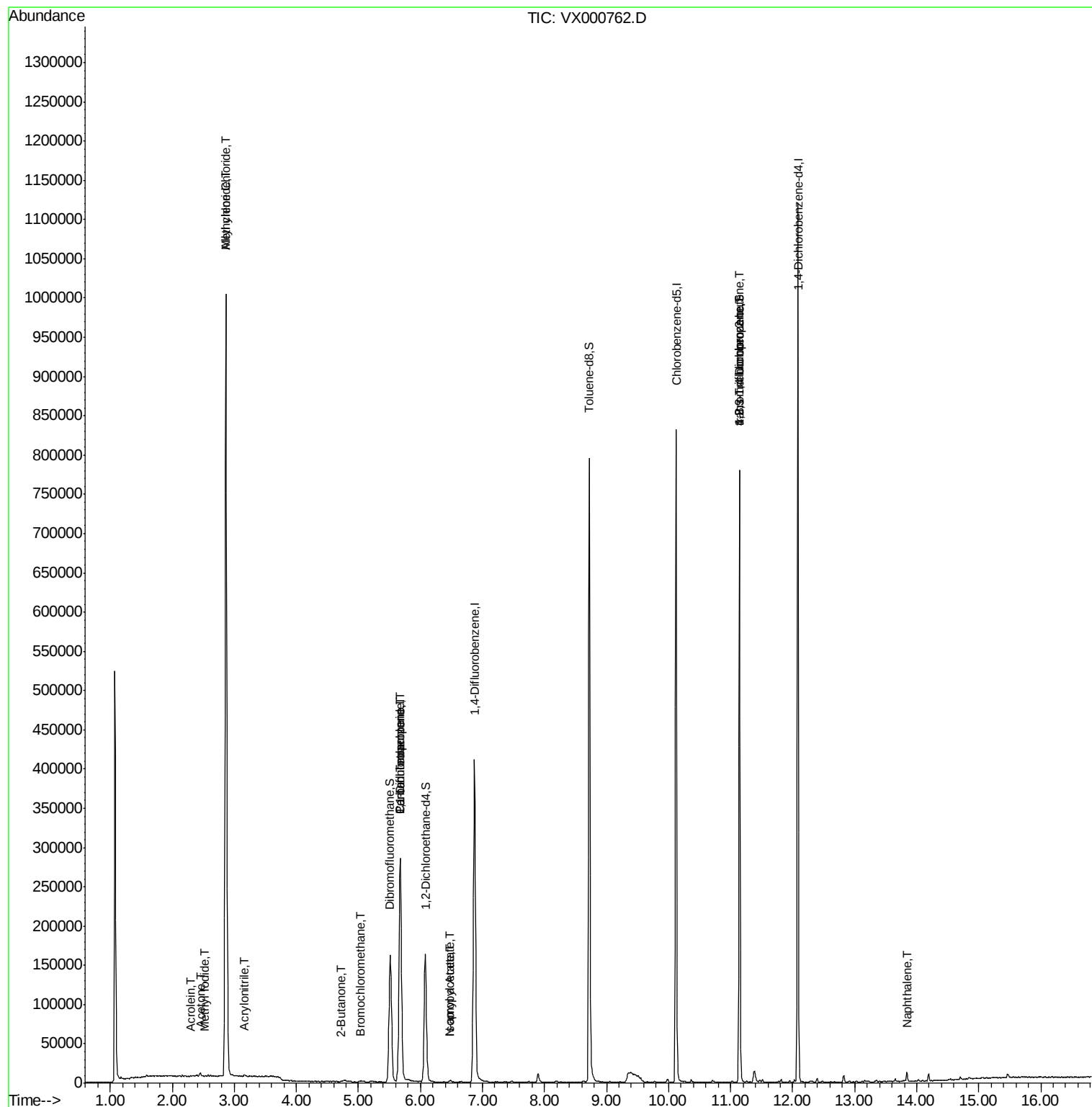
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	408	Below Cal	#	51
10) Methyl Iodide	2.53	142	304	8.34	ug/l #	89
13) Acrolein	2.30	56	95	0.29	ug/l #	78
14) Allyl chloride	2.86	41	18351	3.53	ug/l #	27
15) Acrylonitrile	3.15	53	346	0.24	ug/l #	49
16) Acetone	2.45	43	5576	4.18	ug/l	99
20) Methylene Chloride	2.86	84	480166	154.88	ug/l	98
25) 2-Butanone	4.72	43	757	0.34	ug/l #	45
28) Bromochloromethane	5.03	49	529	0.24	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	18652	3.92	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26014	4.89	ug/l #	15
43) Isopropyl Acetate	6.48	43	2894	0.36	ug/l	98
74) N-amyl acetate	6.48	43	2894	0.42	ug/l #	99
76) 1,2,3-Trichloropropane	11.14	75	99796	24.18	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99796	66.50	ug/l #	11
95) Naphthalene	13.84	128	7094	0.41	ug/l	99

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
Data File : VX000762.D
Acq On : 10 Apr 2018 21:36
Operator : JC/MD
Sample : J2157-04 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Apr 11 08:54:57 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

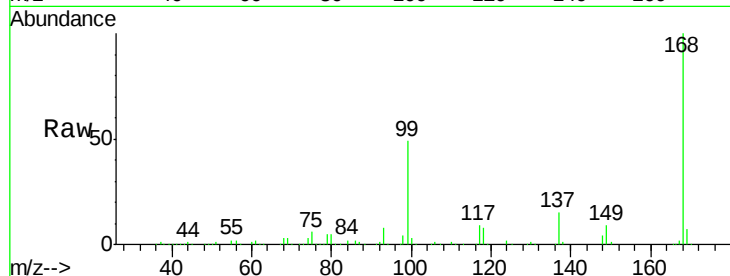
BFB

Tot Ion:168 Resp: 306553

Ion Ratio Lower Upper

168 100

99 48.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

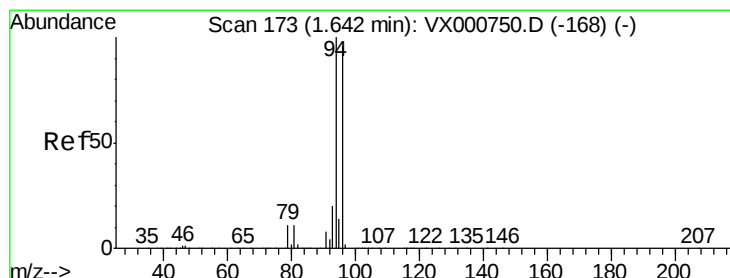
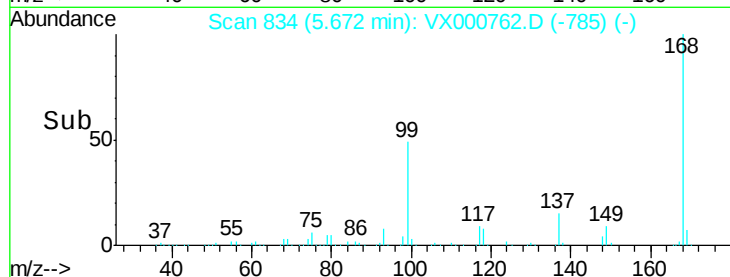
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000762.D

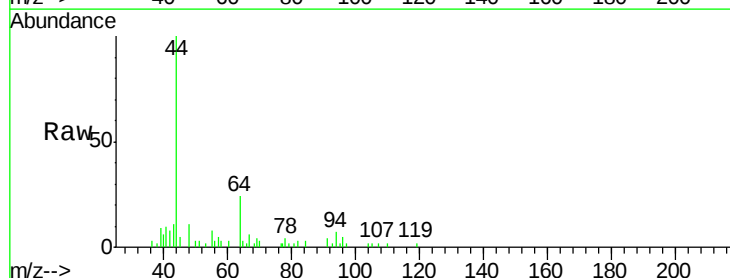
Acq: 10 Apr 2018 21:36

Tgt Ion: 94 Resp: 408

Ion Ratio Lower Upper

94 100

96 48.6 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

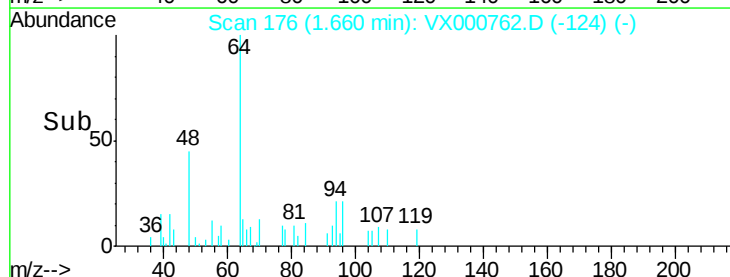
150

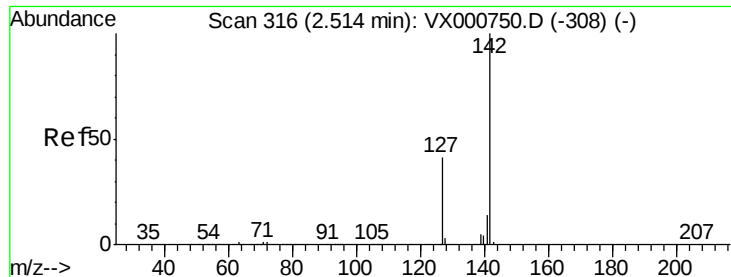
100

50

0

Time-->

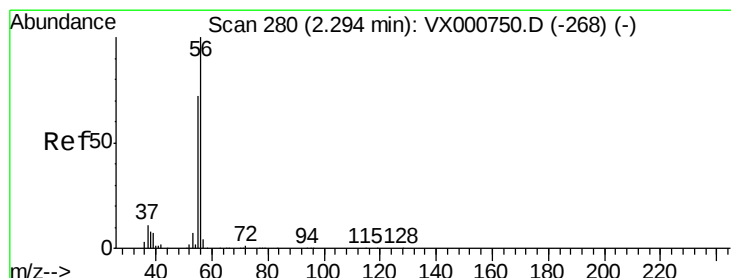
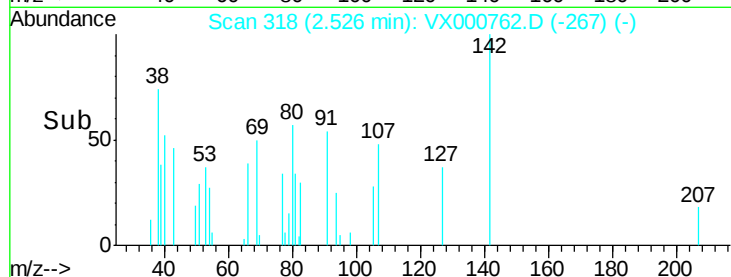
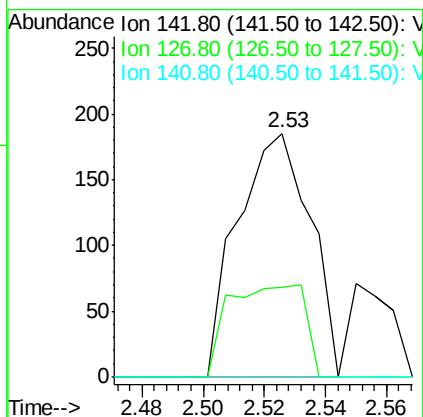
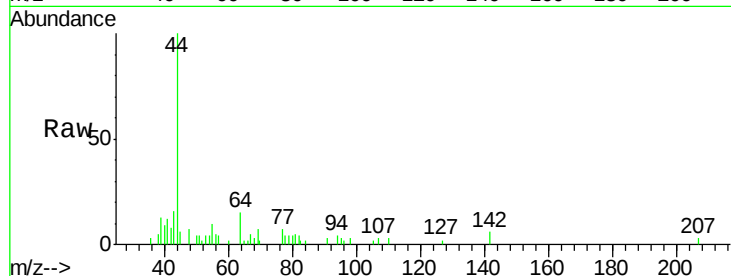




#10
Methvl Iodide
Concen: 8.34 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

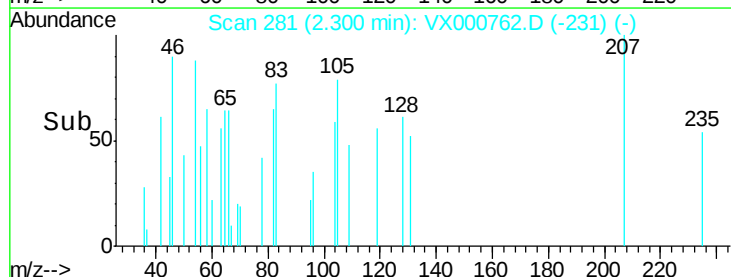
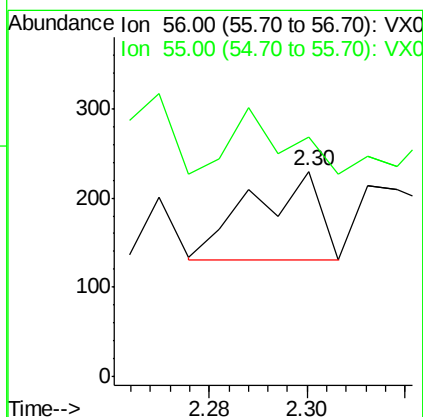
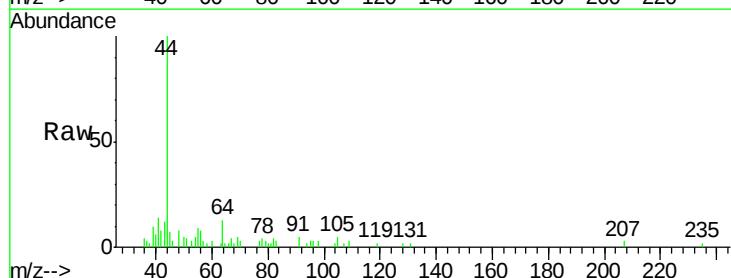
Instrument :
MSVOA_X
ClientSampled :
BFB

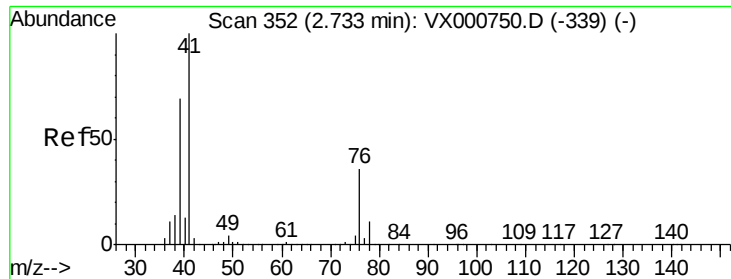
Tot Ion:142 Resp: 304
Ion Ratio Lower Upper
142 100
127 39.5 32.6 49.0
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.29 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 91.6 58.7 88.1#





#14

Allvl chloride

Concen: 3.53 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.13 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

BFB

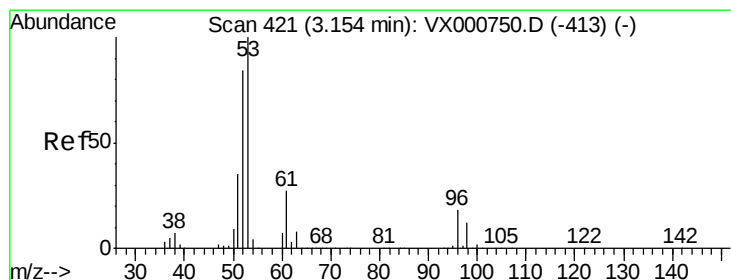
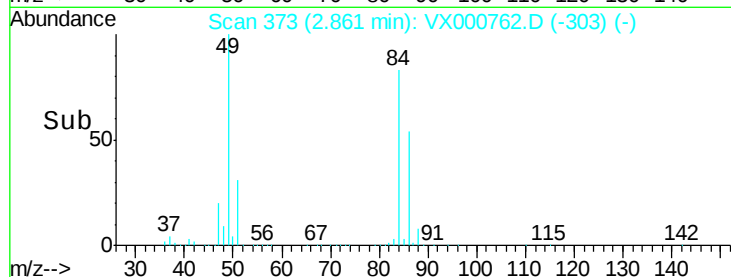
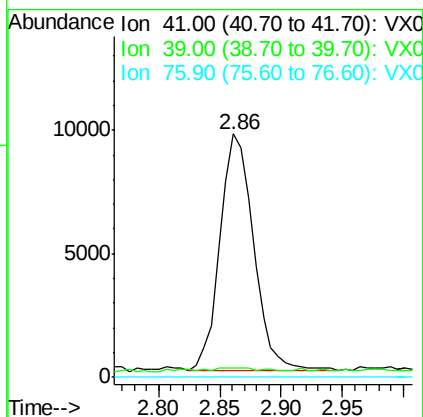
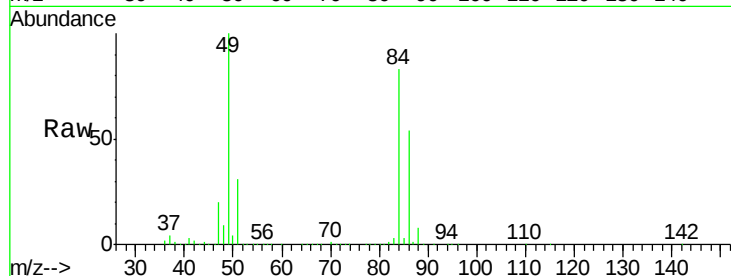
Tot Ion: 41 Resp: 18351

Ion Ratio Lower Upper

41 100

39 1.4 51.5 77.3#

76 0.0 26.5 39.7#



#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

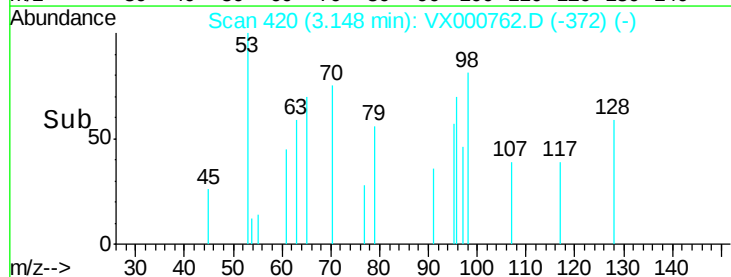
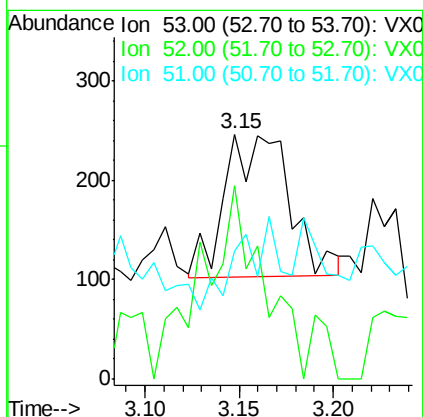
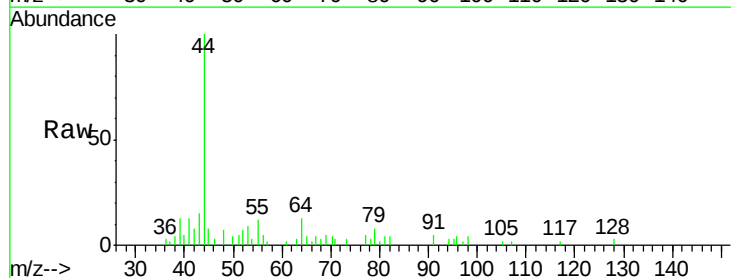
Tgt Ion: 53 Resp: 346

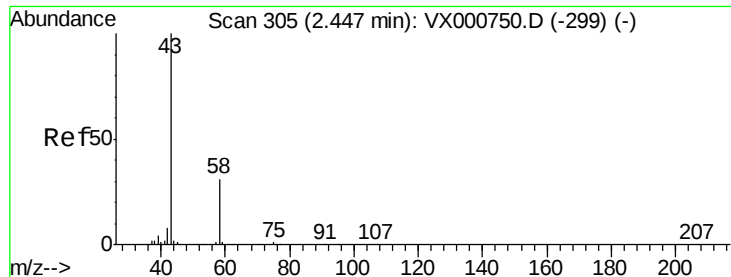
Ion Ratio Lower Upper

53 100

52 124.9 66.5 99.7#

51 0.0 28.8 43.2#





#16

Acetone

Concen: 4.18 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

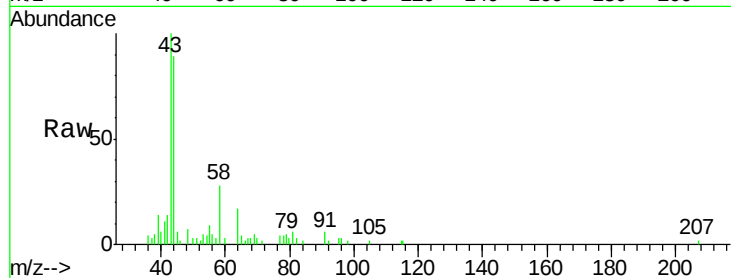
BFB

Tot Ion: 43 Resp: 5576

Ion Ratio Lower Upper

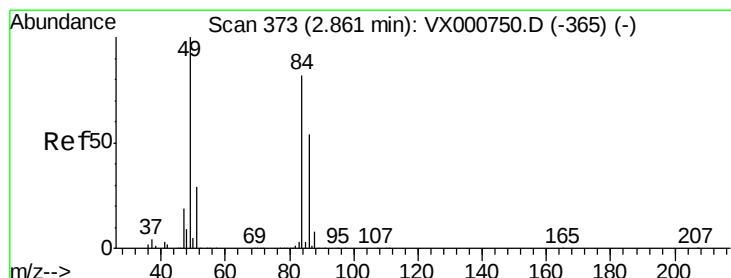
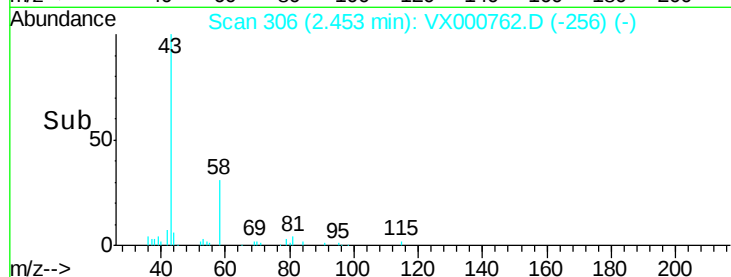
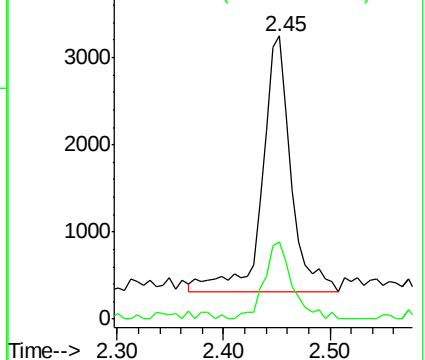
43 100

58 30.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 154.88 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Tgt Ion: 84 Resp: 480166

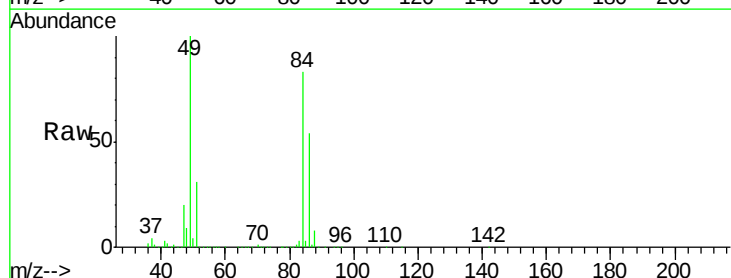
Ion Ratio Lower Upper

84 100

49 120.4 98.1 147.1

51 37.0 28.9 43.3

86 64.7 52.7 79.1

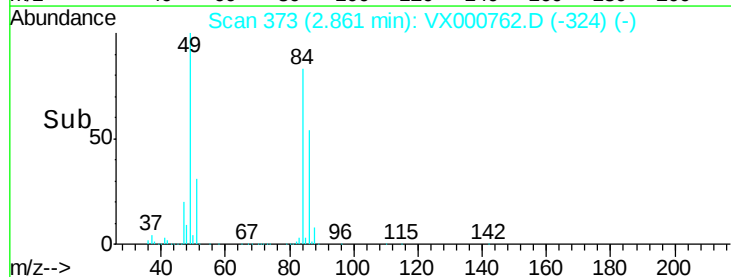
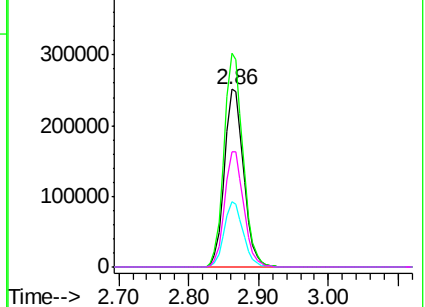


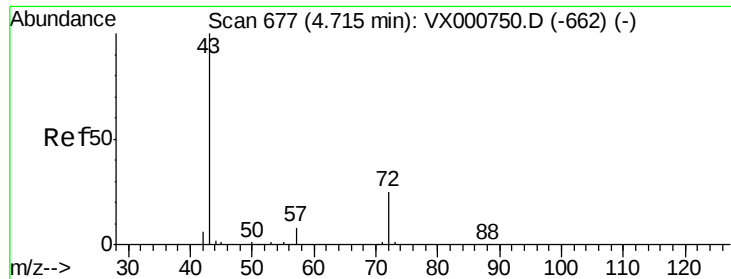
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.34 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

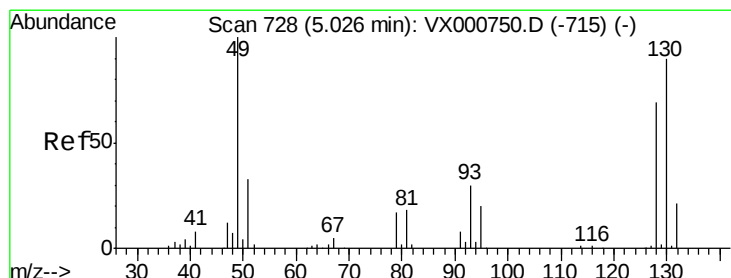
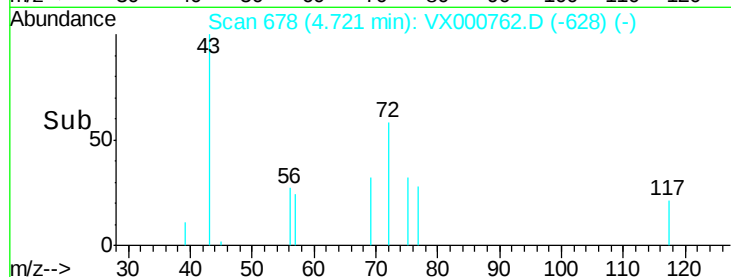
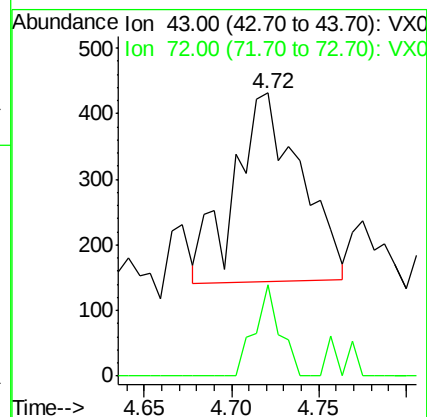
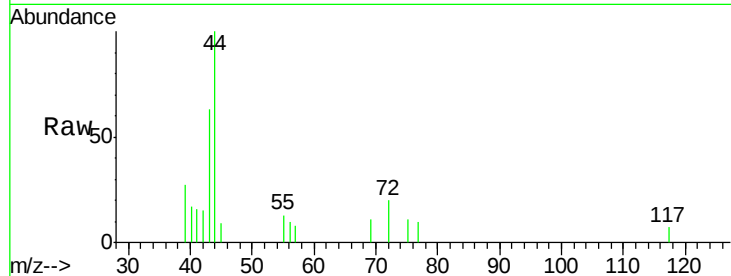
BFB

Tot Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

72 53.2 20.3 30.5#



#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

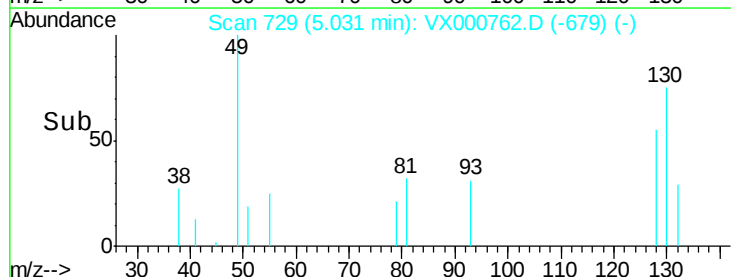
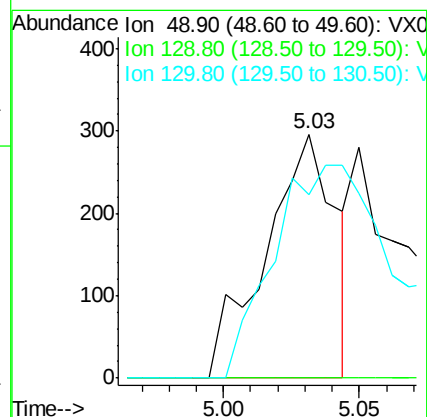
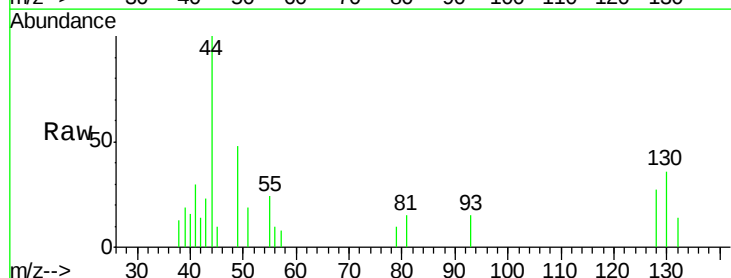
Tgt Ion: 49 Resp: 529

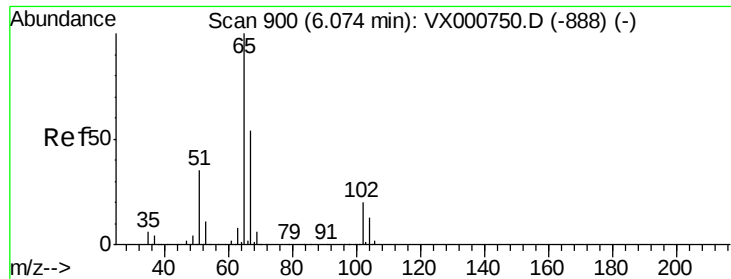
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 148.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 41.18 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

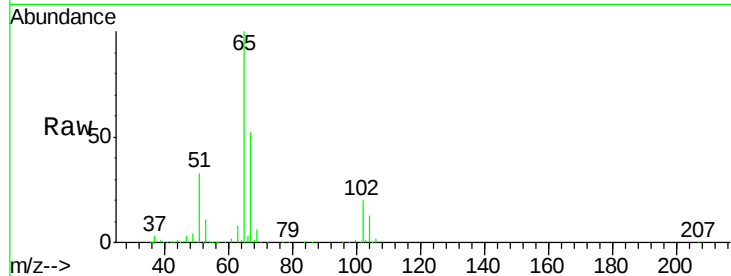
BFB

Tot Ion: 65 Resp: 159188

Ion Ratio Lower Upper

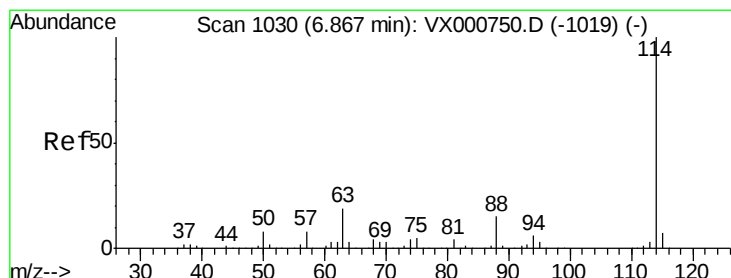
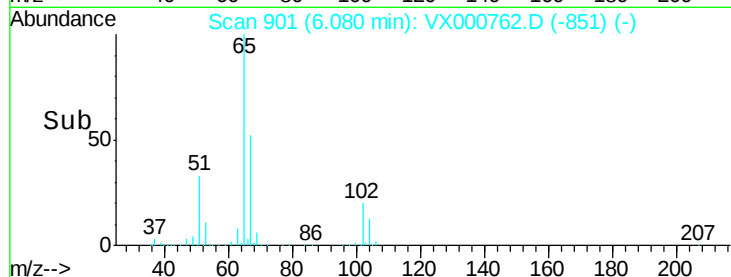
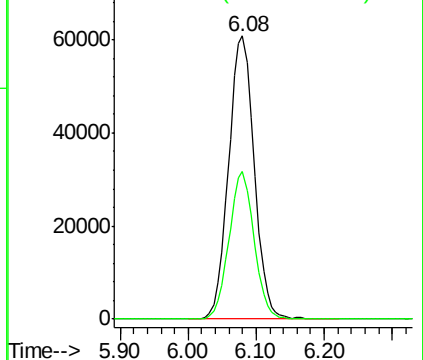
65 100

67 51.0 0.0 103.8



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: VX000762.D

Acq: 10 Apr 2018 21:36

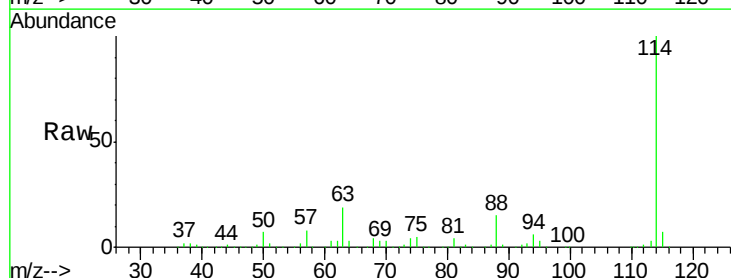
Tgt Ion: 114 Resp: 431714

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

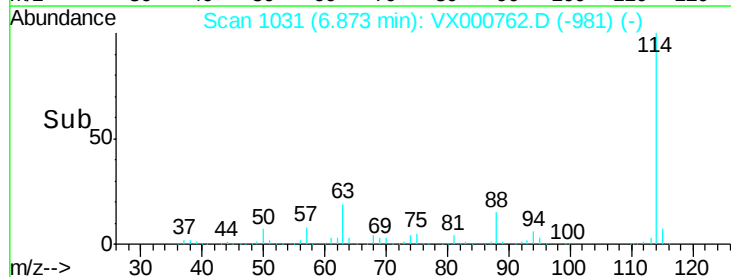
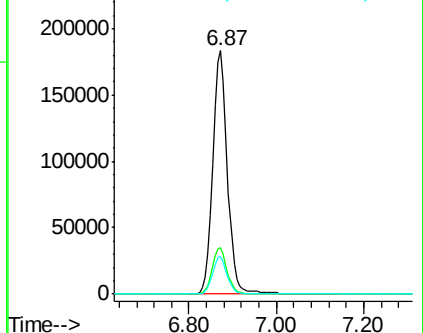
88 15.2 0.0 31.0

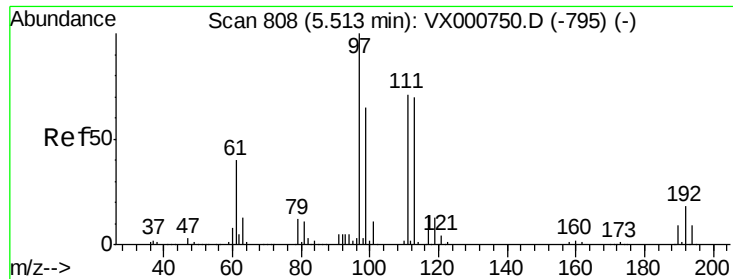


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 40.10 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

BFB

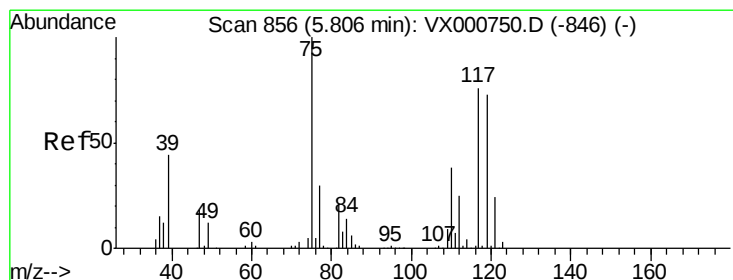
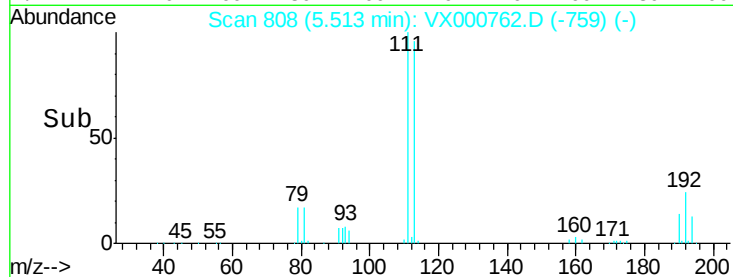
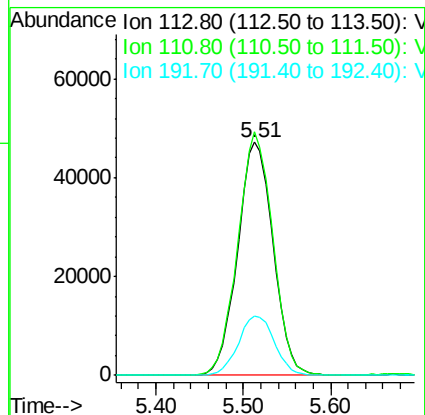
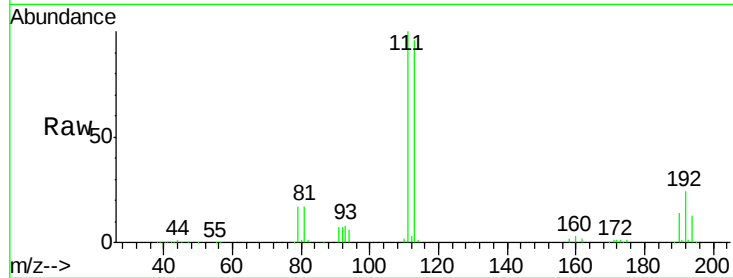
Tot Ion:113 Resp: 133375

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

192 25.9 20.4 30.6



#36

1,1-Dichloropropene

Concen: 3.92 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

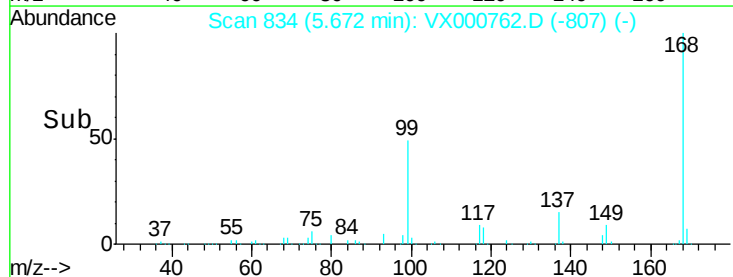
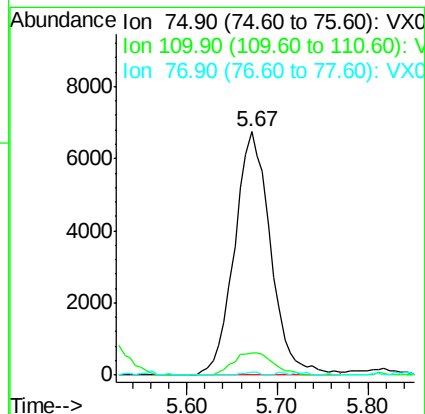
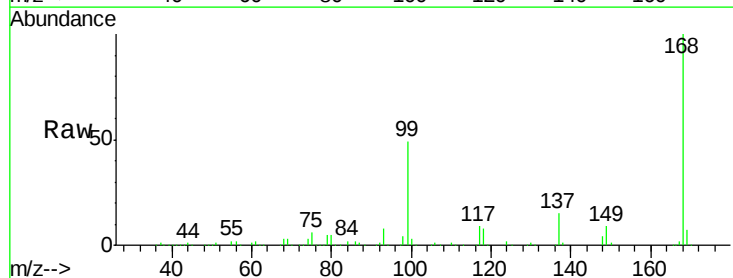
Tgt Ion: 75 Resp: 18652

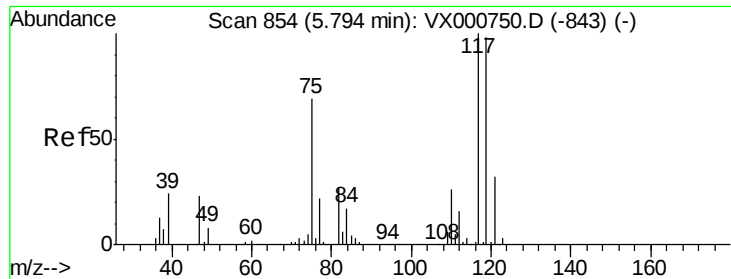
Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

77 0.5 25.4 38.2#

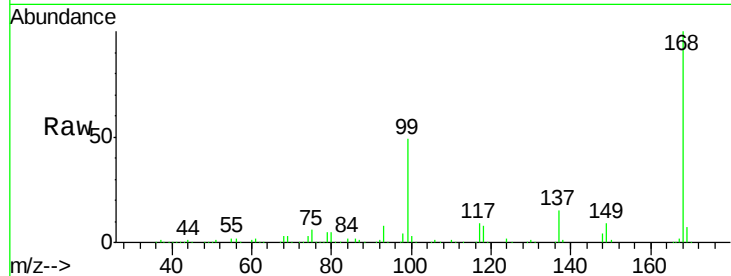




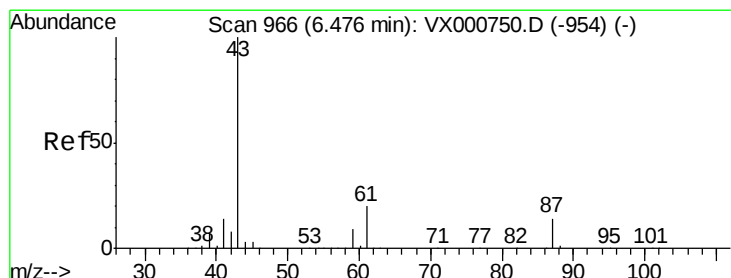
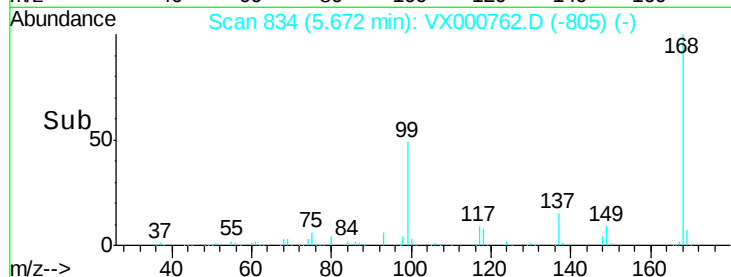
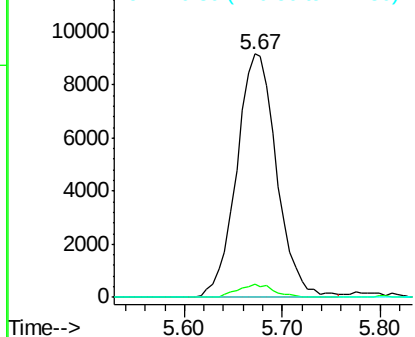
#38
Carbon Tetrachloride
Concen: 4.89 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion:117 Resp: 26014
Ion Ratio Lower Upper
117 100
119 5.5 78.4 117.6#
121 0.0 25.4 38.0#

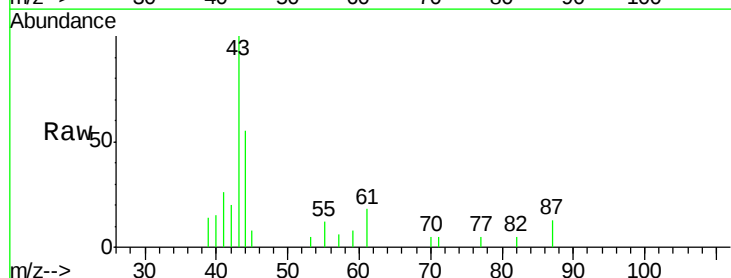


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

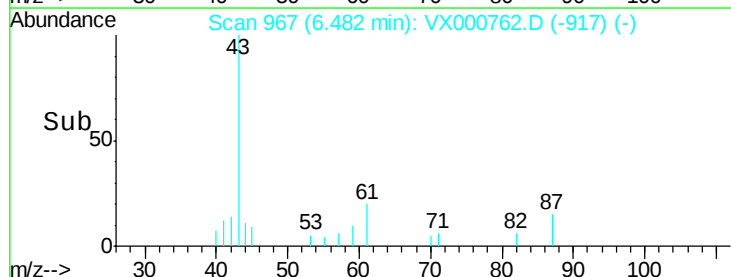
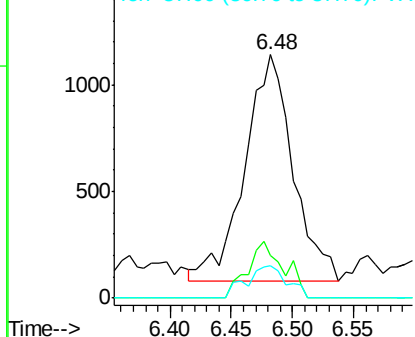


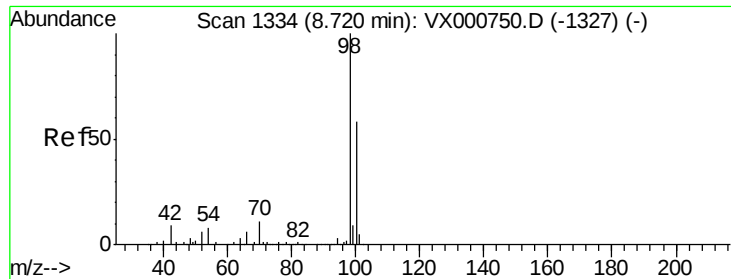
#43
Isopropyl Acetate
Concen: 0.36 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

Tgt Ion: 43 Resp: 2894
Ion Ratio Lower Upper
43 100
61 19.0 15.6 23.4
87 12.2 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 40.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

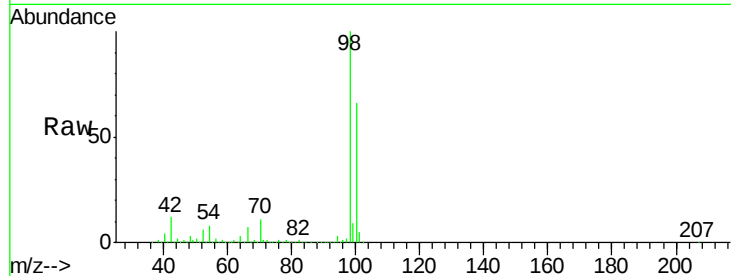
BFB

Tot Ion: 98 Resp: 496501

Ion Ratio Lower Upper

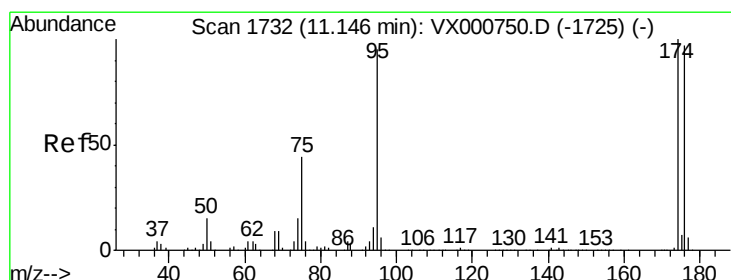
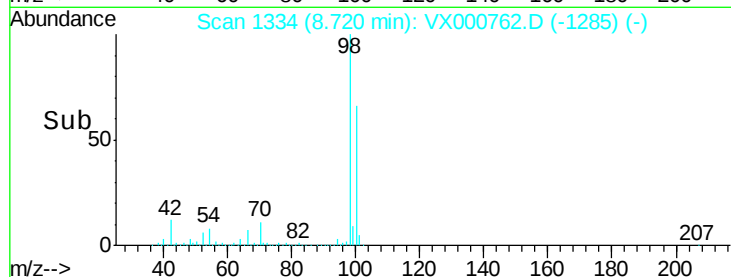
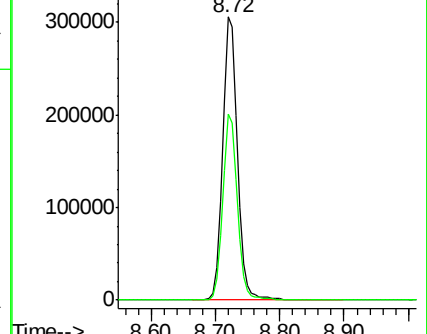
98 100

100 65.1 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: 39.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

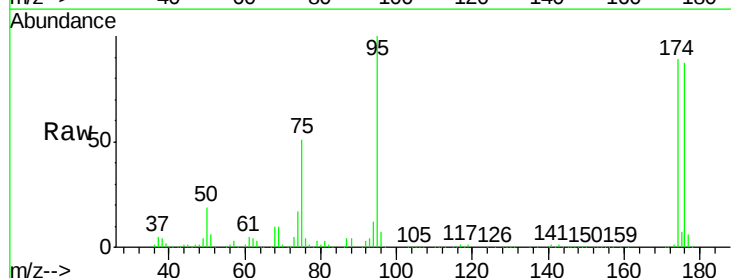
Tgt Ion: 95 Resp: 202188

Ion Ratio Lower Upper

95 100

174 97.6 0.0 198.4

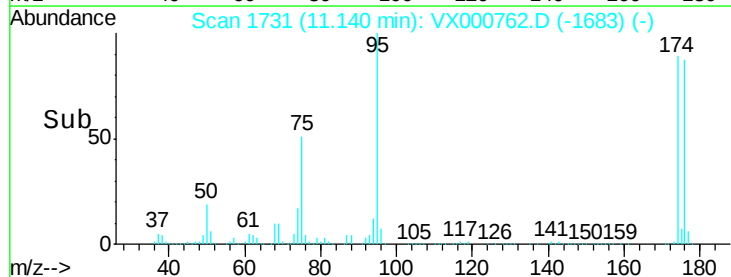
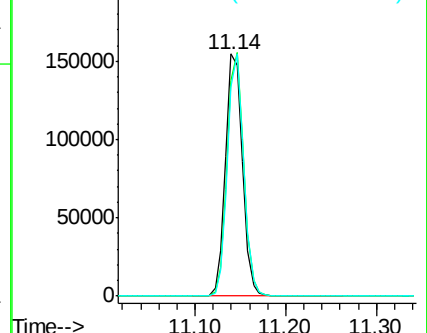
176 95.3 0.0 194.4

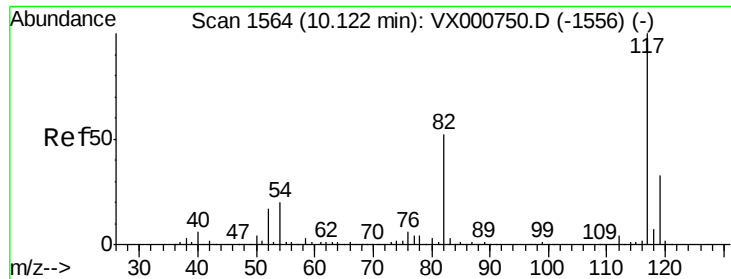


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

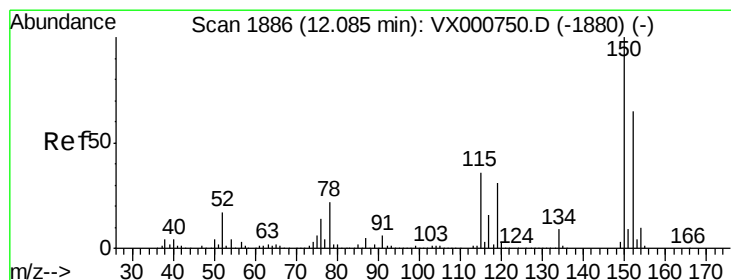
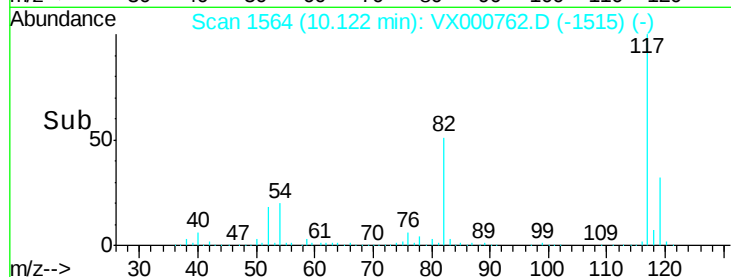
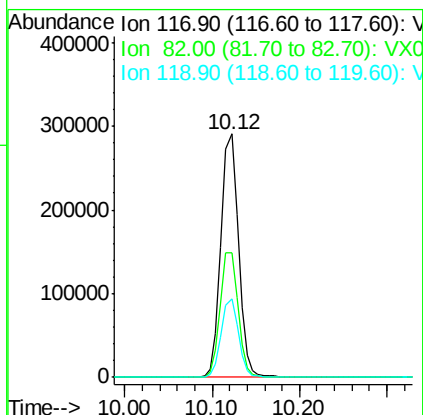
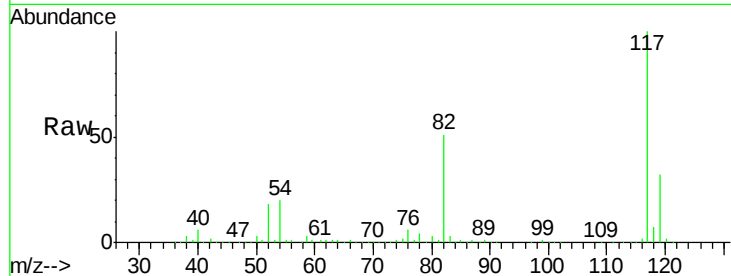




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

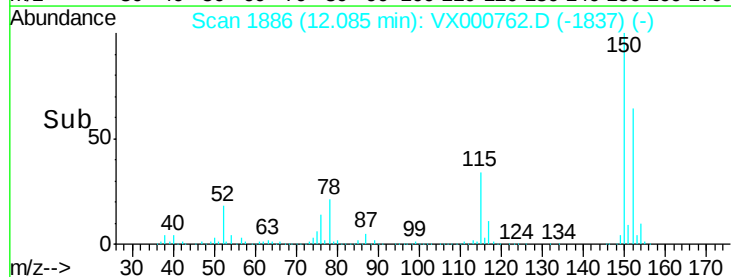
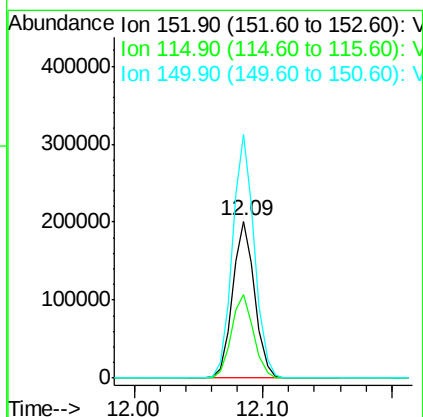
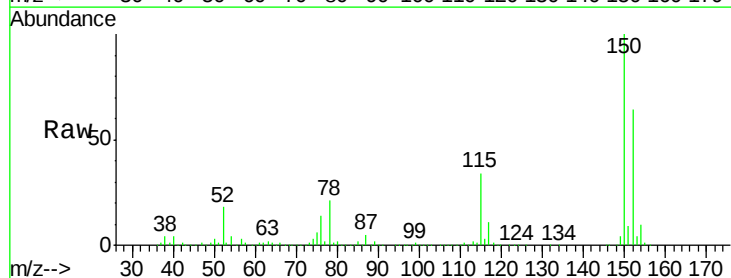
Instrument :
MSVOA_X
ClientSampleId :
BFB

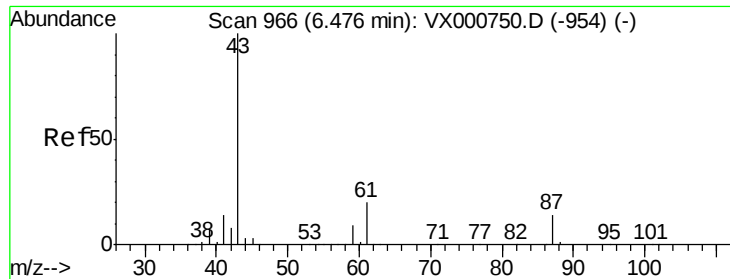
Tot Ion:117 Resp: 404994
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000762.D
Acq: 10 Apr 2018 21:36

Tgt Ion:152 Resp: 239348
Ion Ratio Lower Upper
152 100
115 53.5 37.9 113.7
150 154.7 0.0 348.0





#74

N-amvl acetate

Concen: 0.42 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

BFB

Tot Ion: 43 Resp: 2894

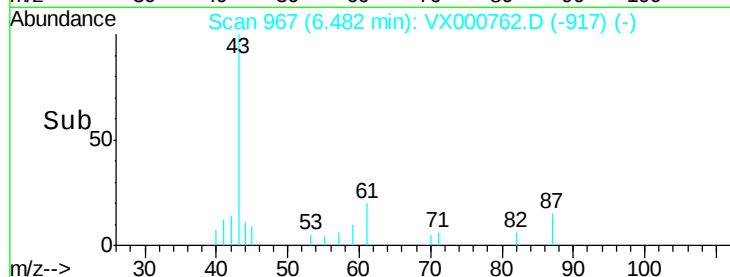
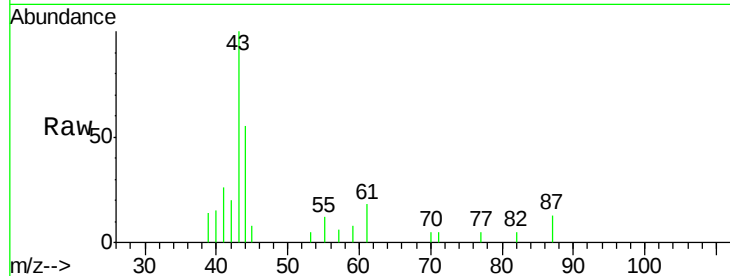
Ion Ratio Lower Upper

43 100

70 1.5 0.0 0.0#

55 4.6 0.0 0.0#

61 19.0 15.6 23.4

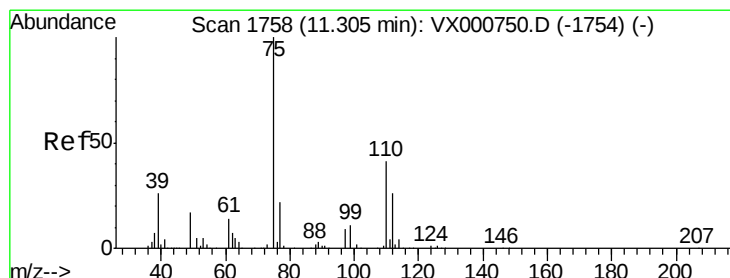
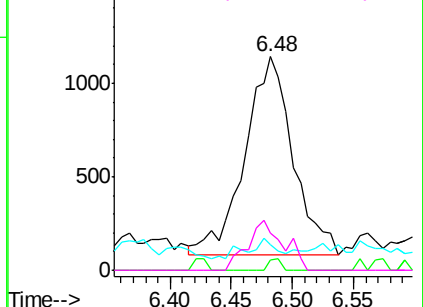


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000762.D

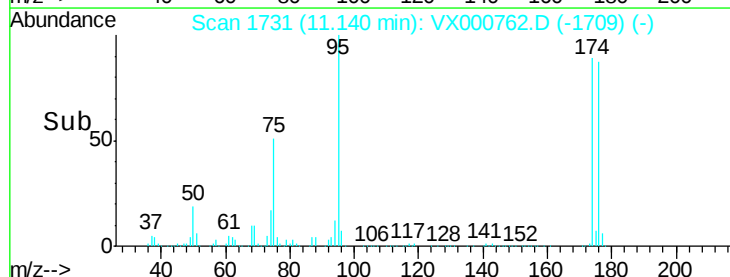
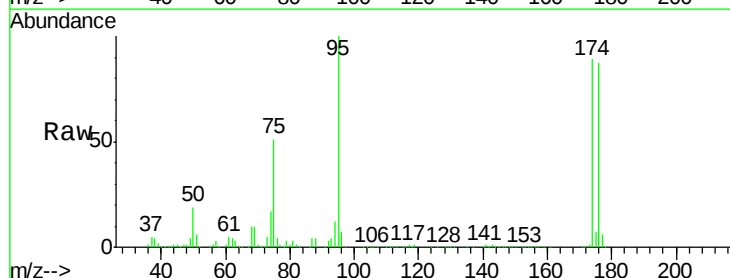
Acq: 10 Apr 2018 21:36

Tgt Ion: 75 Resp: 99796

Ion Ratio Lower Upper

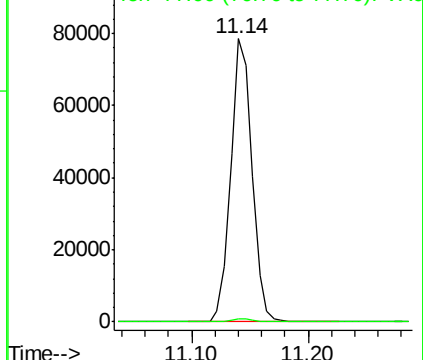
75 100

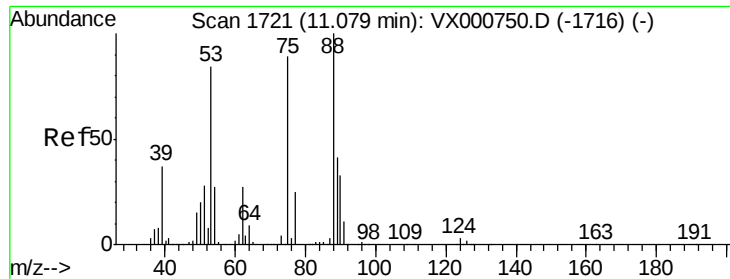
77 1.2 20.5 61.5#



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: 66.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

Instrument :

MSVOA_X

ClientSampled :

BFB

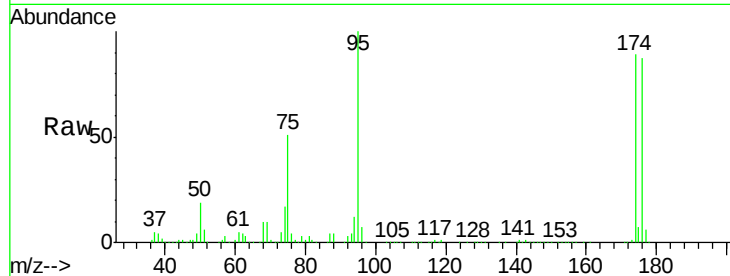
Tot Ion: 75 Resp: 99796

Ion Ratio Lower Upper

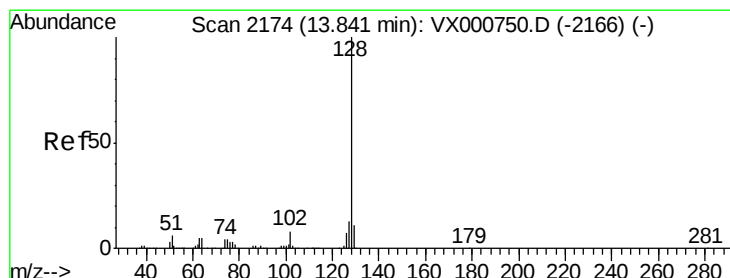
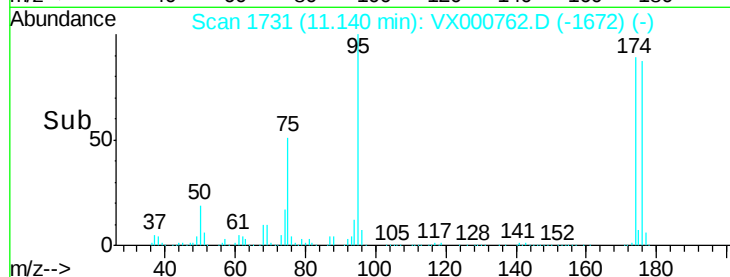
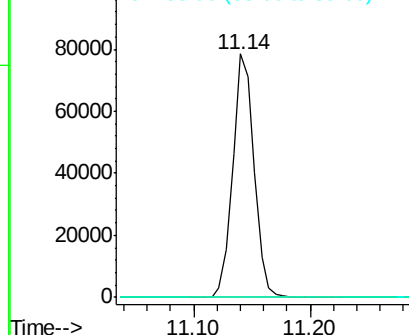
75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



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



#95

Naphthalene

Concen: 0.41 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000762.D

Acq: 10 Apr 2018 21:36

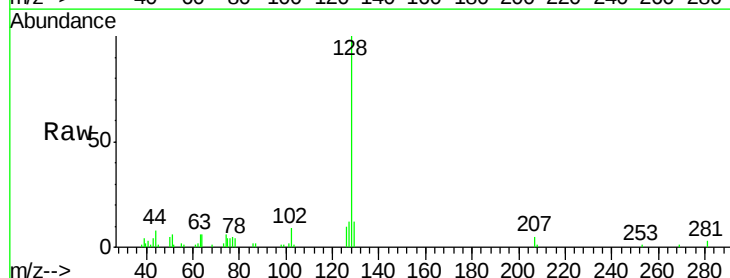
Tgt Ion: 128 Resp: 7094

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

129 11.0 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

