

Data File : VX000906.D
Acq On : 15 Apr 2018 19:09
Operator : JC/MD
Sample : J2360-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NAA-WS-FB

Quant Time: Apr 16 07:40:33 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	5.68	168	279859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	218237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164782	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	5.51	113	131329	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	8.72	98	518745	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	197349	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	176	Below Cal		99
13) Acrolein	2.31	56	211	0.69 ug/l #		13
16) Acetone	2.45	43	670	0.55 ug/l		98
31) Cyclohexane	5.67	56	4484	0.96 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16145	3.90 ug/l #		48
38) Carbon Tetrachloride	5.67	117	23249	5.02 ug/l #		15
51) 4-Methyl-2-Pentanone	8.73	43	2663	0.65 ug/l #		1
76) 1,2,3-Trichloropropane	11.14	75	96861	25.74 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.14	75	96861	70.79 ug/l #		11

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

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ClientSampleId :

NAA-WS-FB

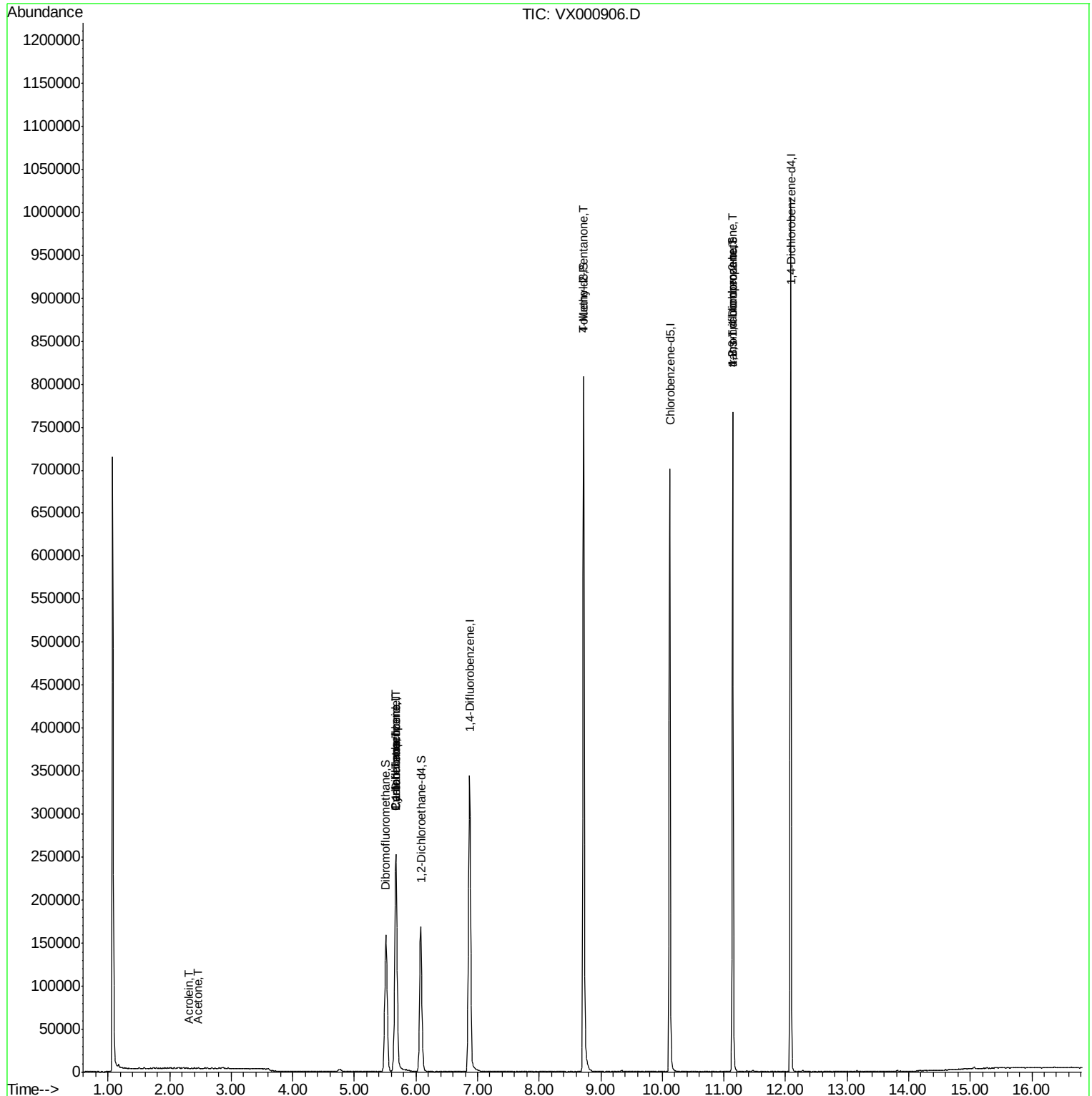
Quant Time: Apr 16 07:40:33 2018

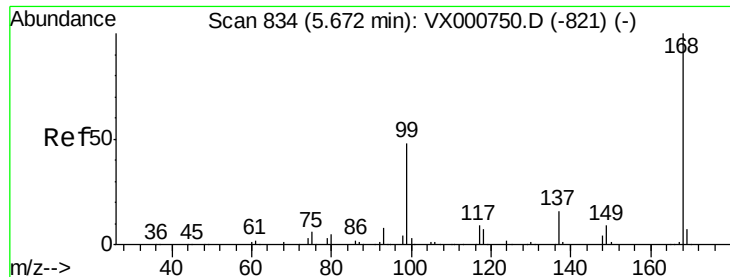
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M

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: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampled :

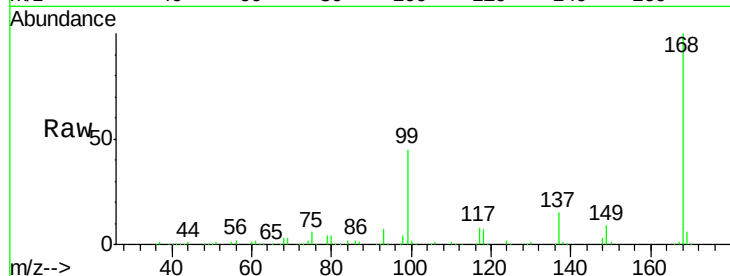
NAA-WS-FB

Tgt Ion: 168 Resp: 279859

Ion Ratio Lower Upper

168 100

99 45.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

60000

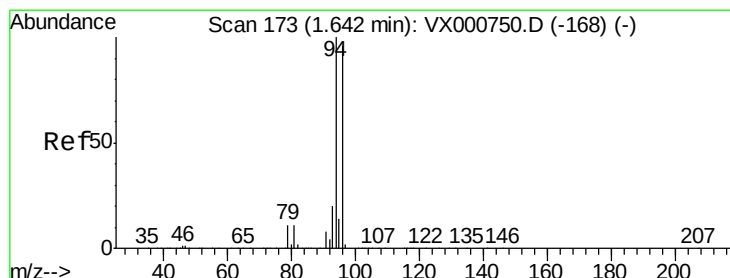
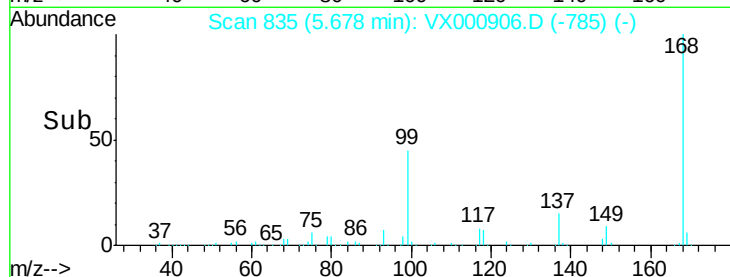
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000906.D

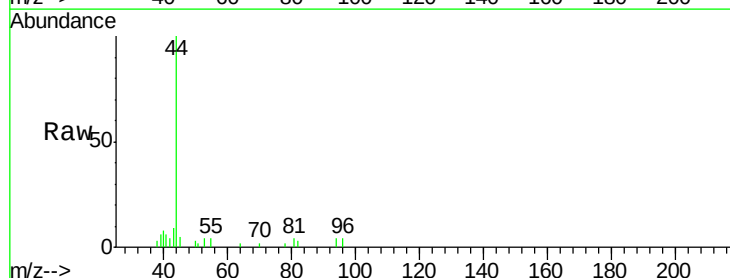
Acq: 15 Apr 2018 19:09

Tgt Ion: 94 Resp: 176

Ion Ratio Lower Upper

94 100

96 95.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

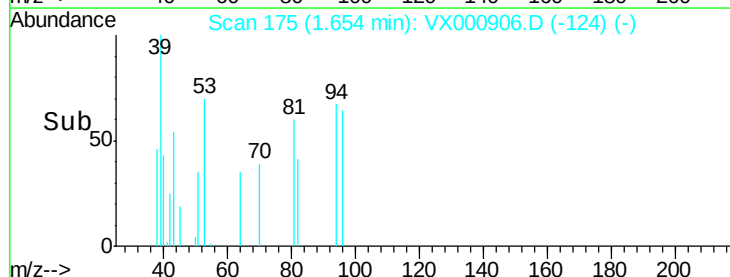
100

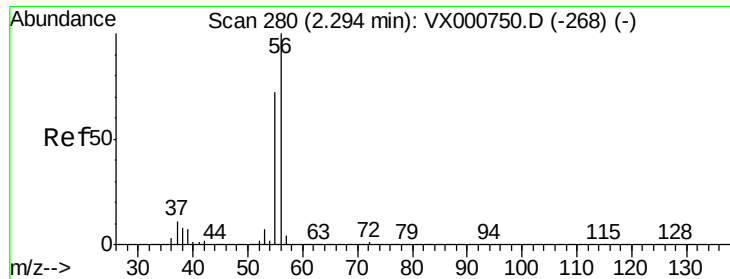
50

0

Time-->

1.62 1.64 1.66 1.68 1.70





#13

Acrolein

Concen: 0.69 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

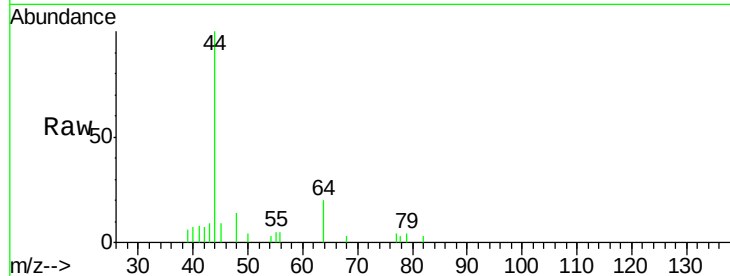
NAA-WS-FB

Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

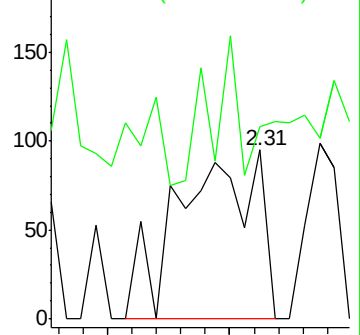
56 100

55 0.0 58.7 88.1#

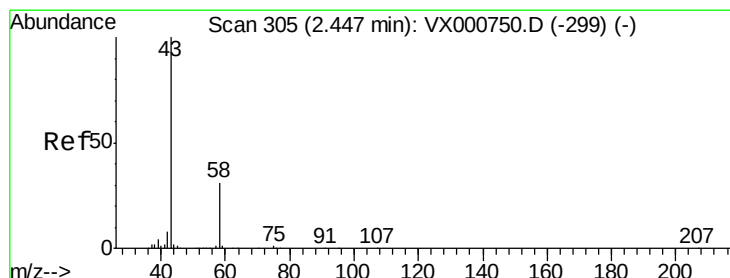
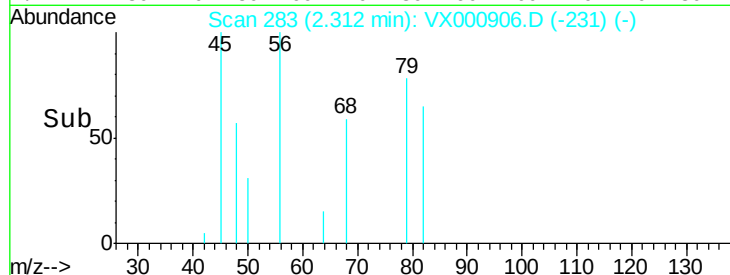


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000906.D

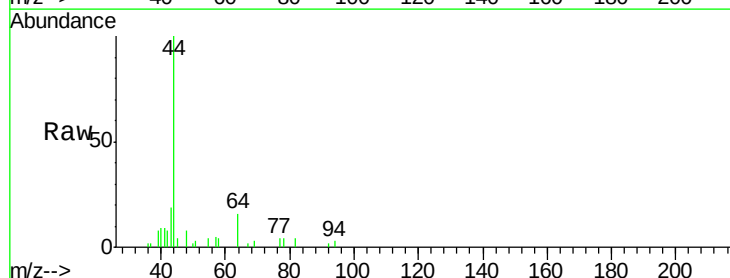
Acq: 15 Apr 2018 19:09

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

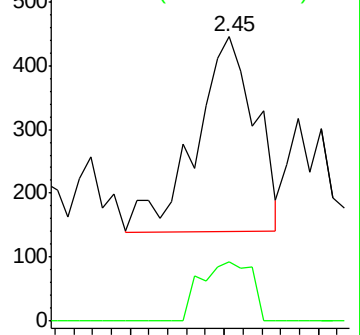
43 100

58 29.8 24.6 37.0

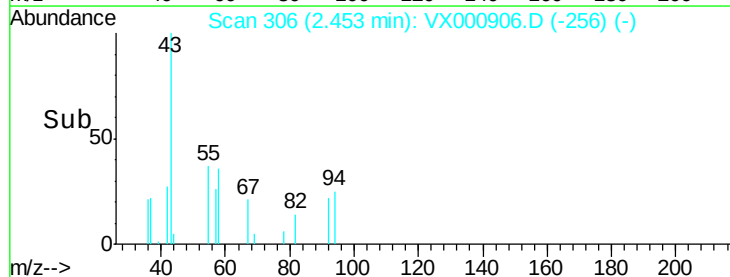


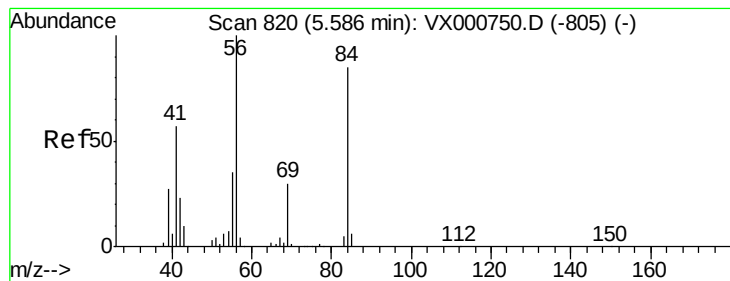
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampled :

NAA-WS-FB

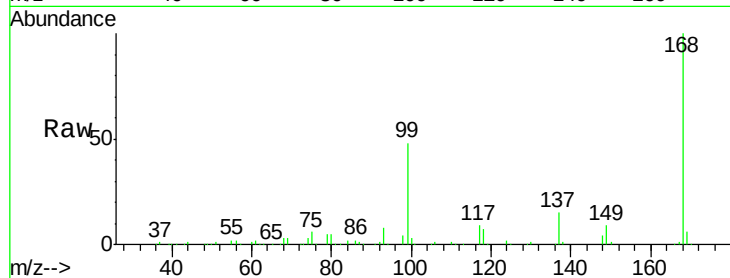
Tgt Ion: 56 Resp: 4484

Ion Ratio Lower Upper

56 100

69 184.3 24.2 36.4#

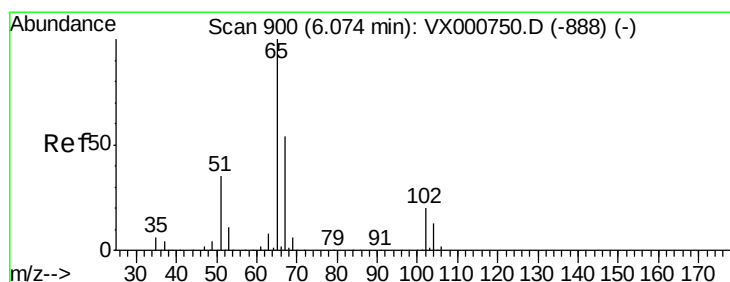
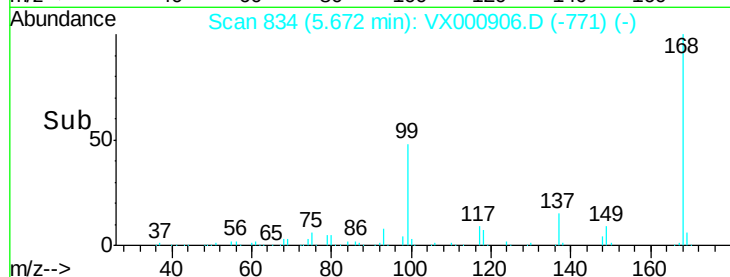
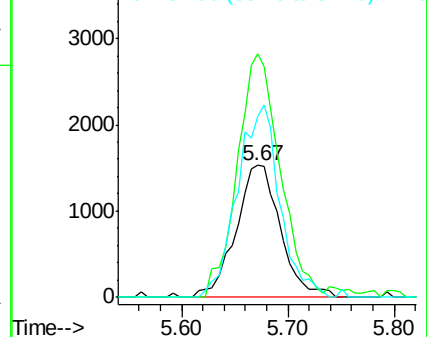
84 136.6 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.70 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000906.D

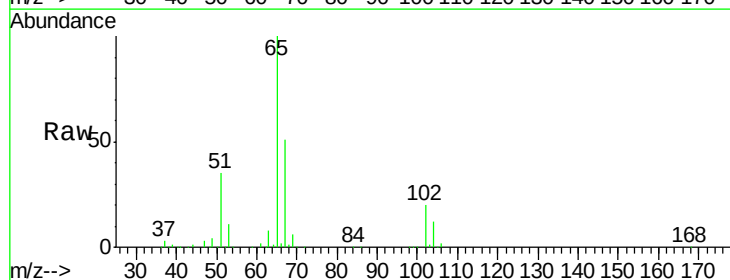
Acq: 15 Apr 2018 19:09

Tgt Ion: 65 Resp: 164782

Ion Ratio Lower Upper

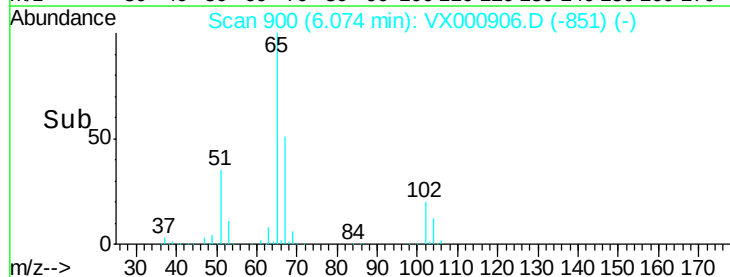
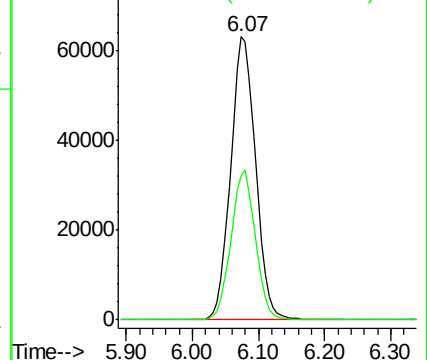
65 100

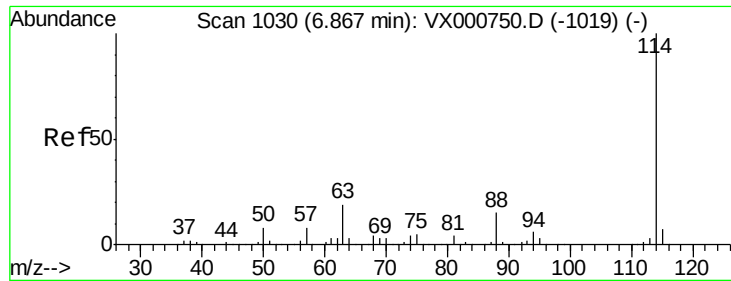
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

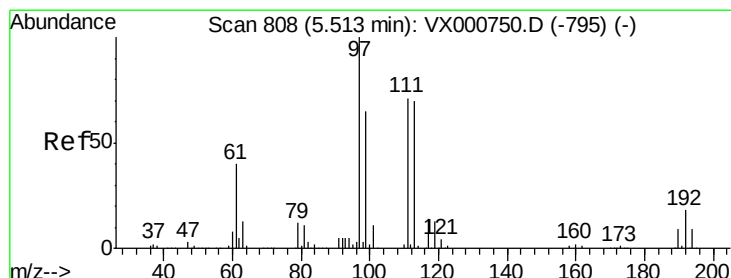
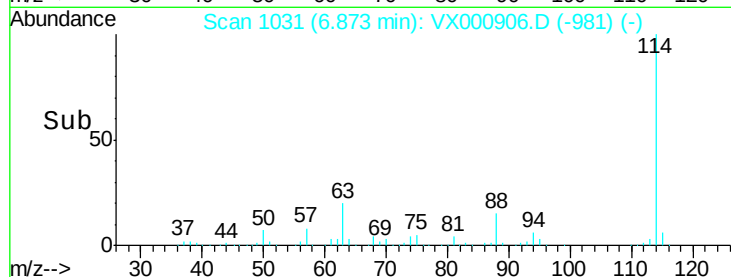
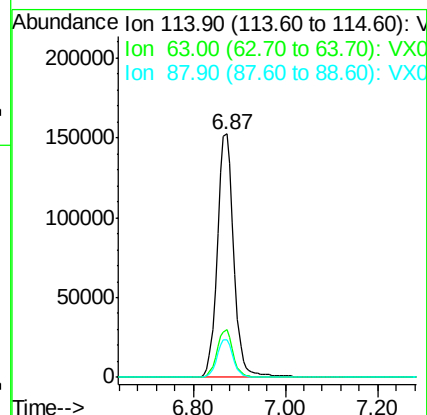
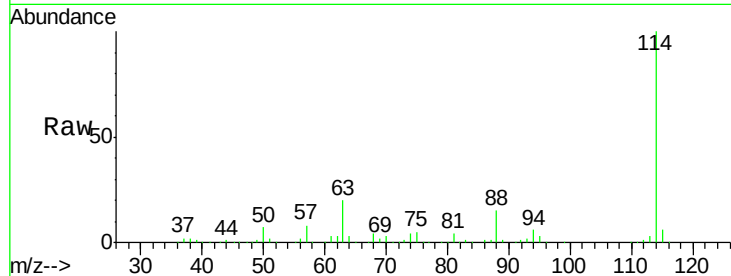




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000906.D
 Acq: 15 Apr 2018 19:09

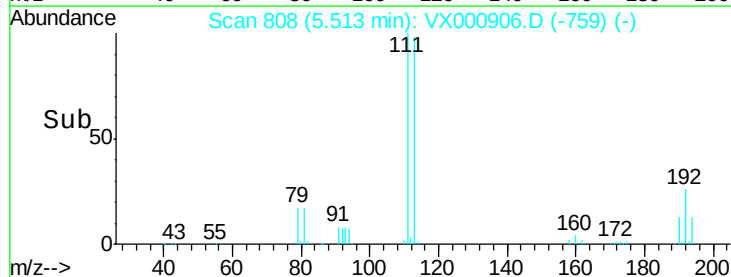
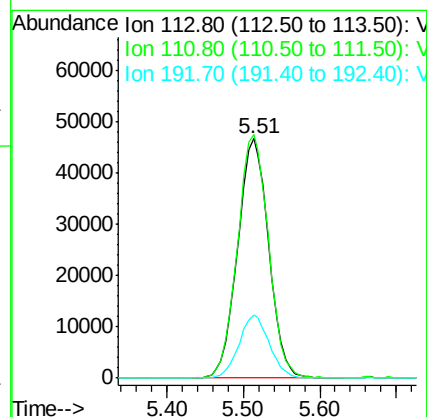
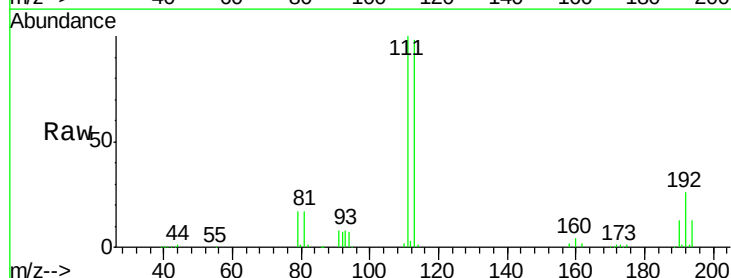
Instrument :
 MSVOA_X
 ClientSampleId :
 NAA-WS-FB

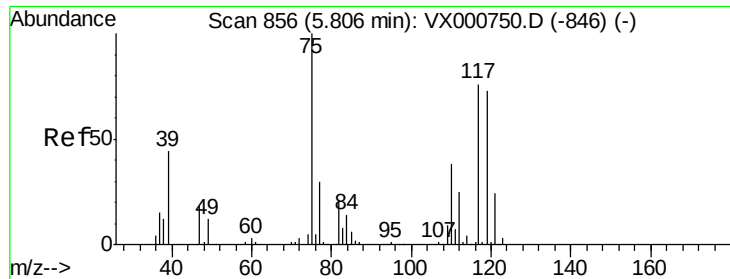
Tgt Ion:114 Resp: 375720
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 15.4 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 45.37 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000906.D
 Acq: 15 Apr 2018 19:09

Tgt Ion:113 Resp: 131329
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 25.7 20.4 30.6

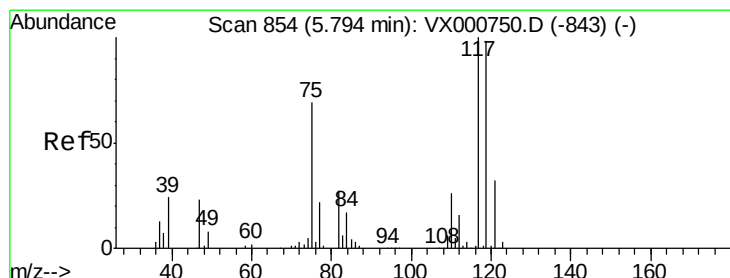
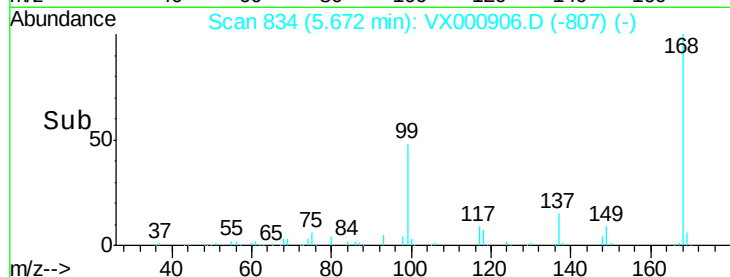
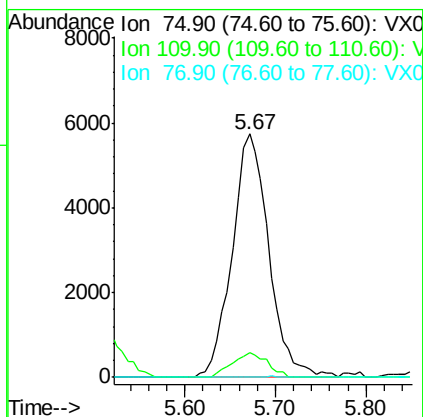
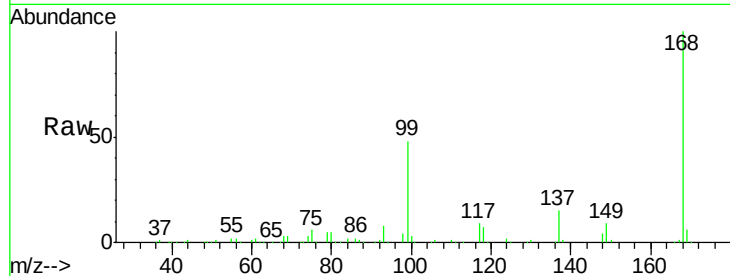




#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000906.D
 Acq: 15 Apr 2018 19:09

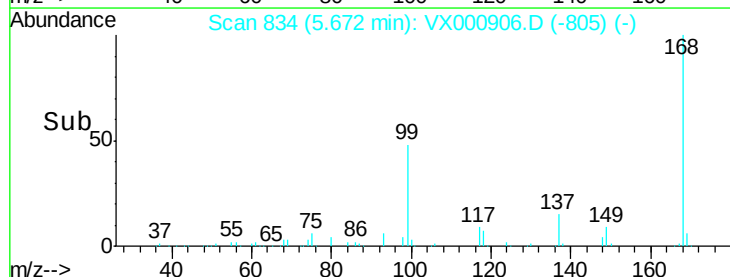
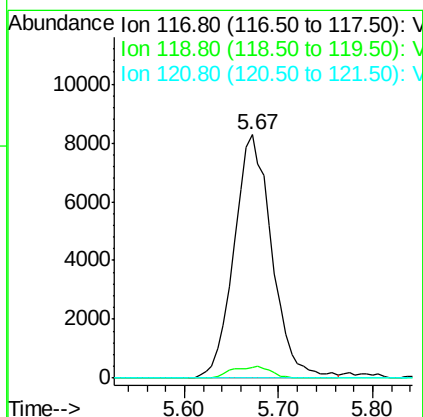
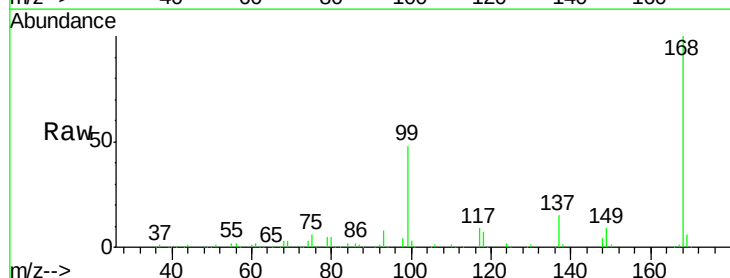
Instrument :
 MSVOA_X
 ClientSampleId :
 NAA-WS-FB

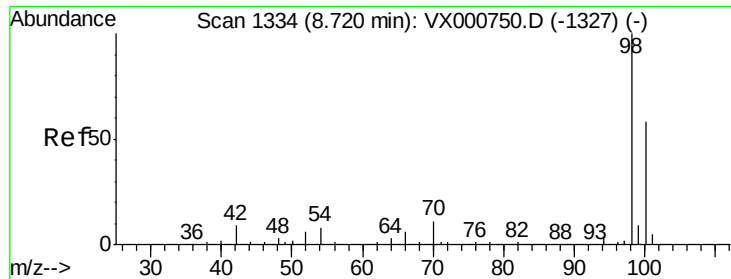
Tgt Ion: 75 Resp: 16145
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.02 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000906.D
 Acq: 15 Apr 2018 19:09

Tgt Ion: 117 Resp: 23249
 Ion Ratio Lower Upper
 117 100
 119 4.6 78.4 117.6#
 121 0.0 25.4 38.0#

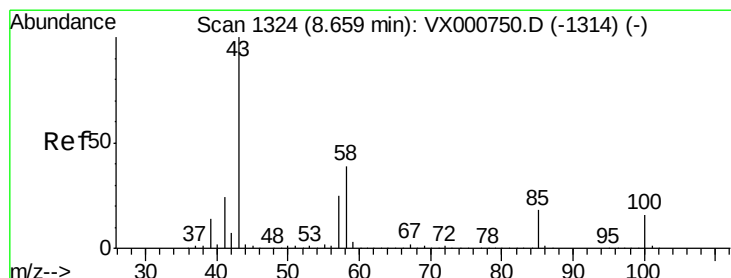
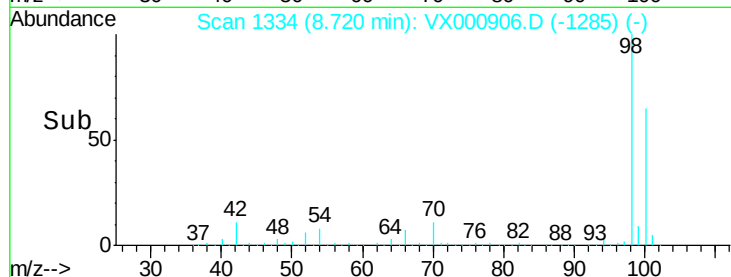
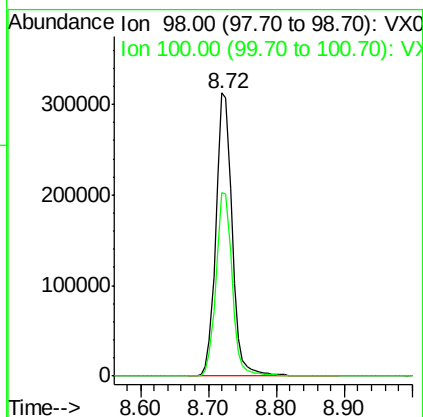
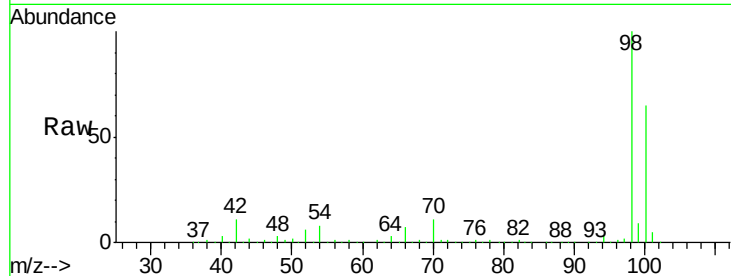




#50
Toluene-d8
Concen: 48.13 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000906.D
Acq: 15 Apr 2018 19:09

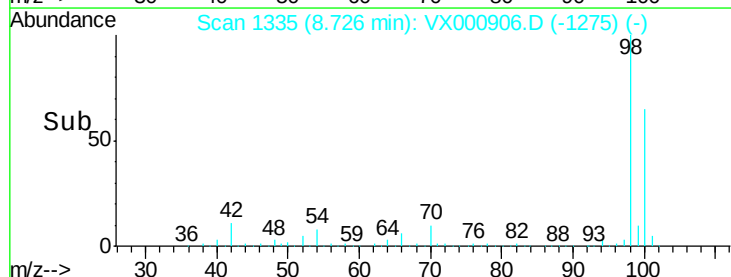
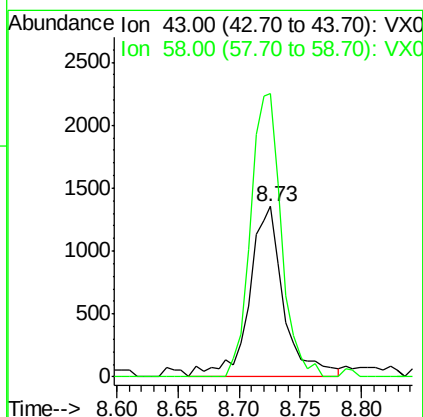
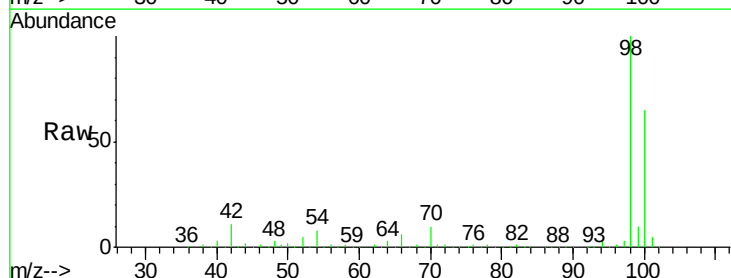
Instrument :
MSVOA_X
ClientSampleId :
NAA-WS-FB

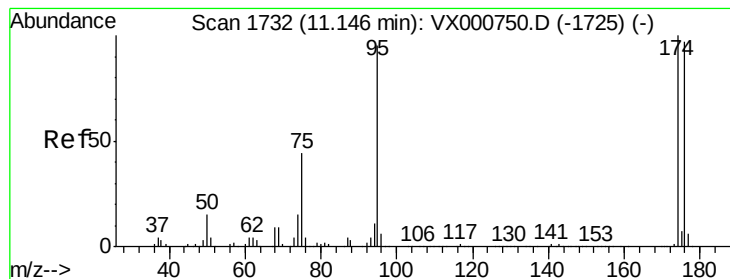
Tgt Ion: 98 Resp: 518745
Ion Ratio Lower Upper
98 100
100 64.8 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.07 min
Lab File: VX000906.D
Acq: 15 Apr 2018 19:09

Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
58 147.4 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

NAA-WS-FB

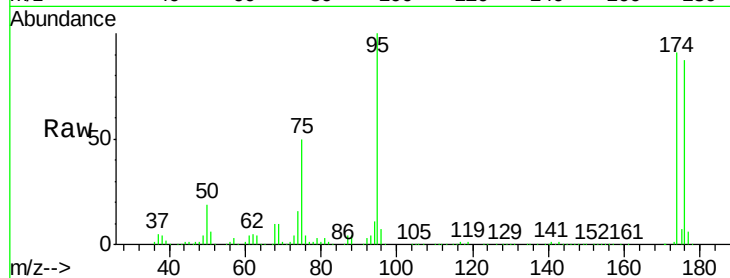
Tgt Ion: 95 Resp: 197349

Ion Ratio Lower Upper

95 100

174 97.9 0.0 198.4

176 95.1 0.0 194.4



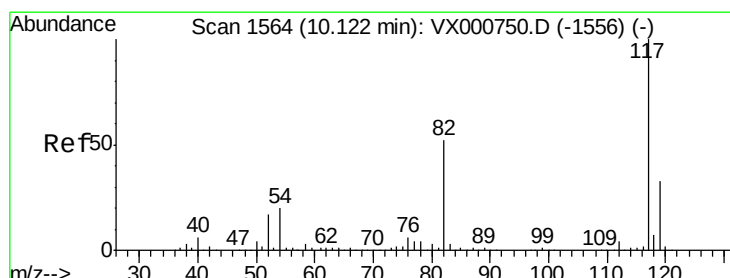
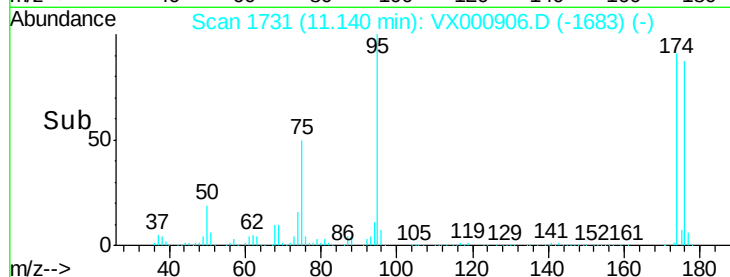
Abundance Ion 94.90 (94.60 to 95.60): VX000750.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000750.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000750.D (-1725) (-)

11.14

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

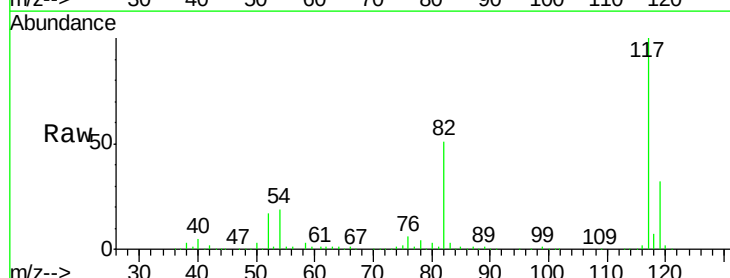
Tgt Ion: 117 Resp: 345210

Ion Ratio Lower Upper

117 100

82 51.0 41.9 62.9

119 32.2 26.0 39.0



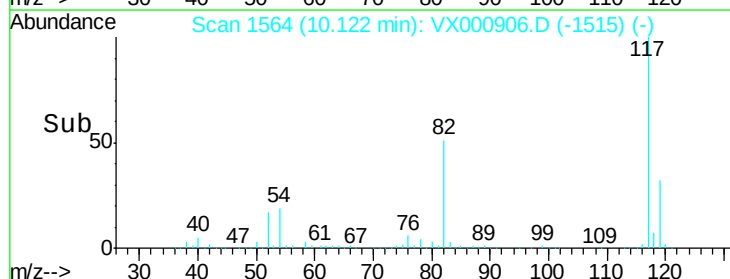
Abundance Ion 116.90 (116.60 to 117.60): VX000750.D (-1556) (-)

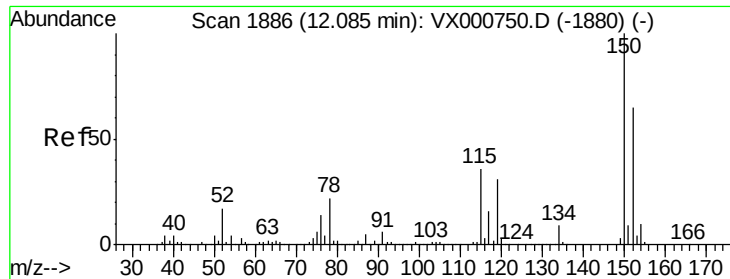
Ion 82.00 (81.70 to 82.70): VX000750.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000750.D (-1556) (-)

10.12

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

NAA-WS-FB

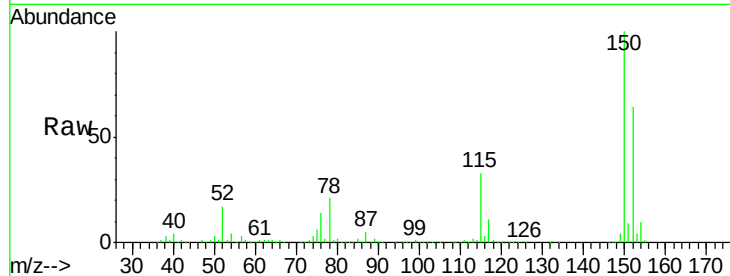
Tgt Ion:152 Resp: 218237

Ion Ratio Lower Upper

152 100

115 52.8 37.9 113.7

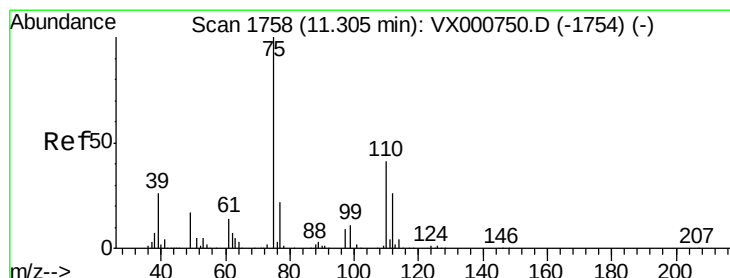
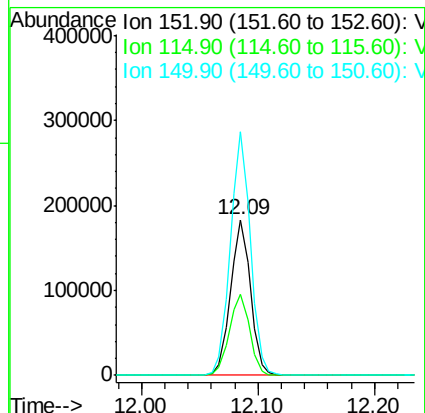
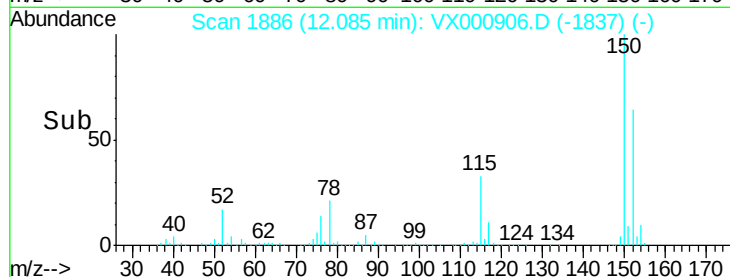
150 156.6 0.0 348.0



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: 25.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000906.D

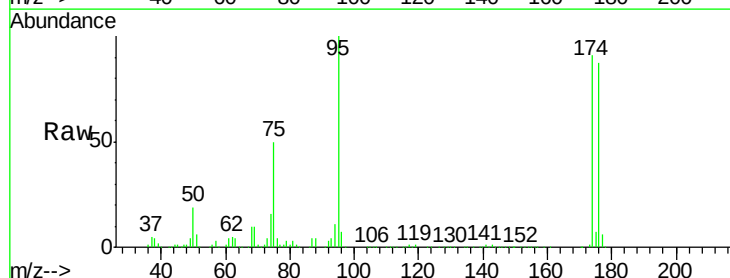
Acq: 15 Apr 2018 19:09

Tgt Ion: 75 Resp: 96861

Ion Ratio Lower Upper

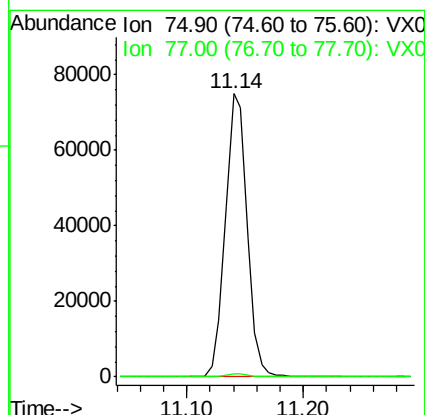
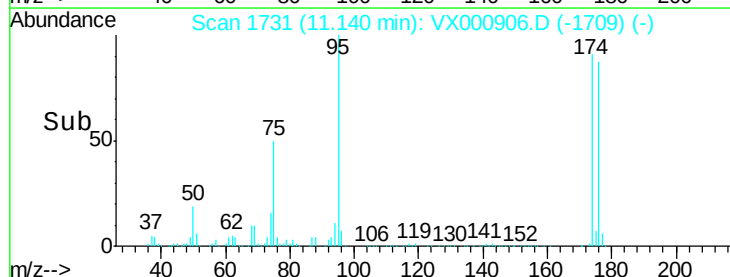
75 100

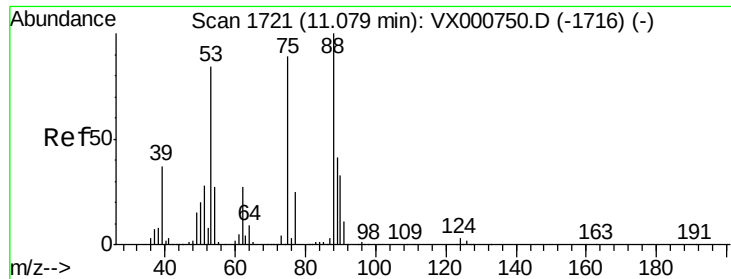
77 1.3 20.5 61.5#



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: 70.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000906.D

Acq: 15 Apr 2018 19:09

Instrument :

MSVOA_X

ClientSampleId :

NAA-WS-FB

Tgt Ion: 75 Resp: 96861

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

