

Data File : VX000909.D

Acq On : 15 Apr 2018 20:25

Operator : JC/MD

Sample : J2387-10

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 22 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

20180238-FIELD-BLANK

Quant Time: Apr 16 07:41:22 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	281021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	381491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228087	50.00	ug/l	0.00

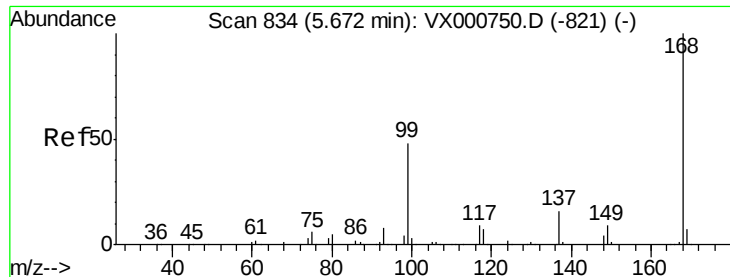
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165165	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	5.51	113	133160	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
50) Toluene-d8	8.72	98	526117	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	204160	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	979	0.31	ug/l	93
3) Chloromethane	1.32	50	1525	0.56	ug/l	92
5) Bromomethane	1.66	94	242	Below Cal	#	73
10) Methyl Iodide	2.52	142	40	8.25	ug/l #	42
11) Tert butyl alcohol	3.06	59	312	0.50	ug/l #	72
13) Acrolein	2.30	56	139	0.45	ug/l #	13
16) Acetone	2.45	43	4949	4.05	ug/l	95
18) Methyl Acetate	2.78	43	1310	0.41	ug/l	91
20) Methylene Chloride	2.86	84	1801	0.63	ug/l	84
25) 2-Butanone	4.71	43	652	0.32	ug/l	95
29) Tetrahydrofuran	5.17	42	304	0.24	ug/l #	81
36) 1,1-Dichloropropene	5.67	75	16990	4.04	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23789	5.06	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	99617	25.32	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	99617	69.66	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

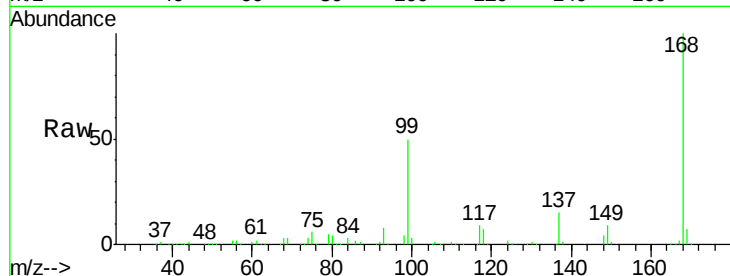
20180238-FIELD-BLANK

Tgt Ion: 168 Resp: 281021

Ion Ratio Lower Upper

168 100

99 49.7 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

100000

80000

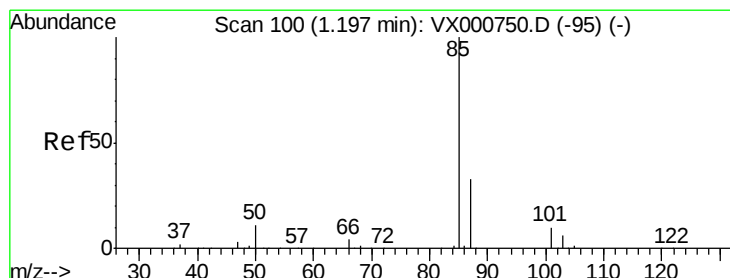
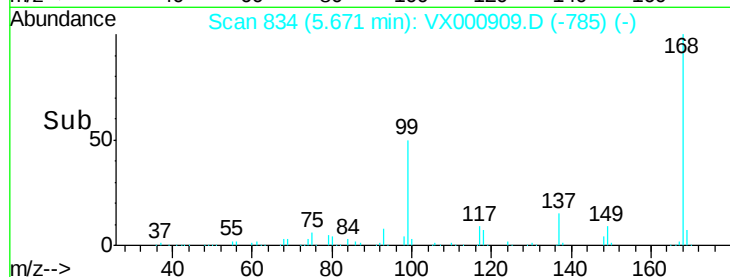
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.31 ug/l

RT: 1.34 min Scan# 124

Delta R.T. 0.15 min

Lab File: VX000909.D

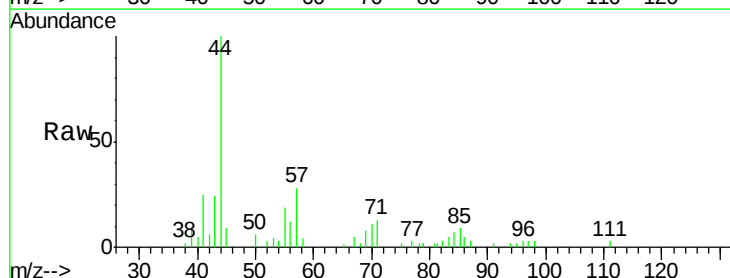
Acq: 15 Apr 2018 20:25

Tgt Ion: 85 Resp: 979

Ion Ratio Lower Upper

85 100

87 28.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.34

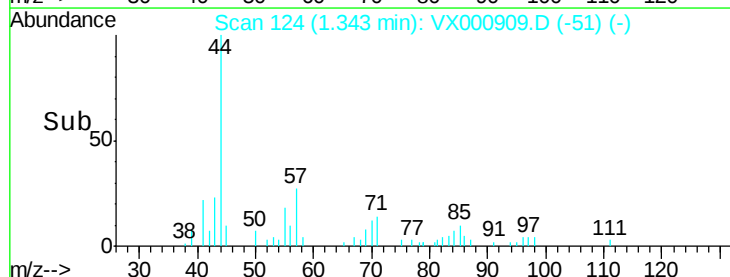
300

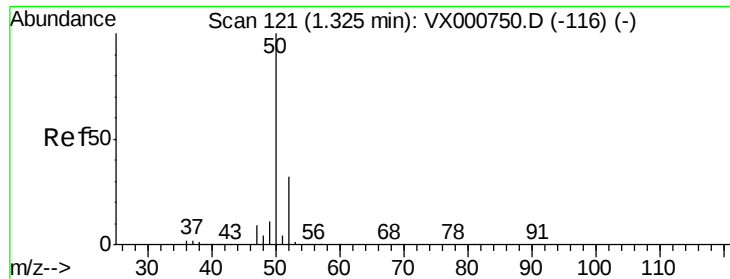
200

100

0

Time--> 1.30 1.35 1.40





#3

Chloromethane

Concen: 0.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

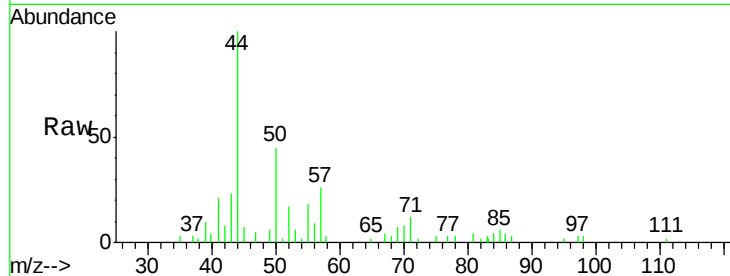
20180238-FIELD-BLANK

Tgt Ion: 50 Resp: 1525

Ion Ratio Lower Upper

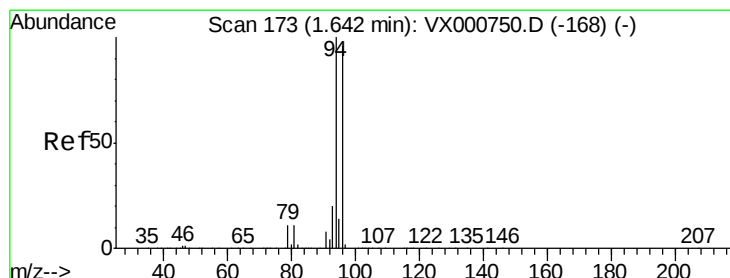
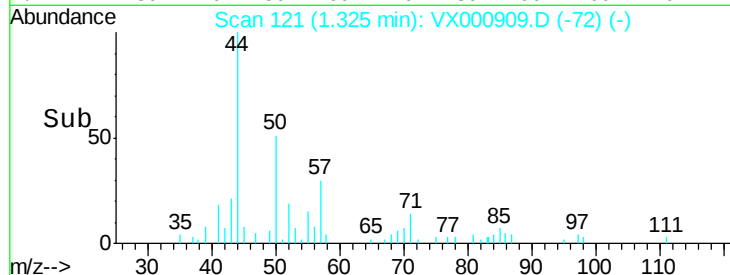
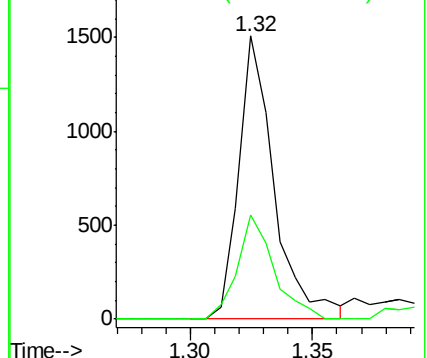
50 100

52 37.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000909.D

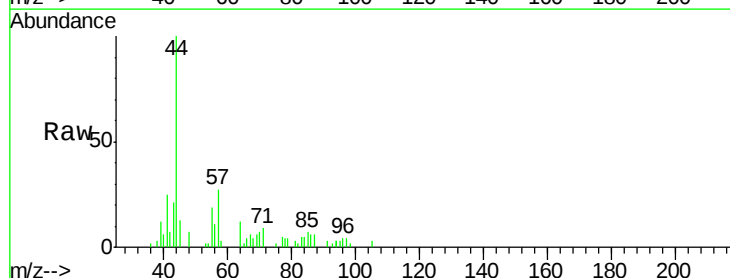
Acq: 15 Apr 2018 20:25

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

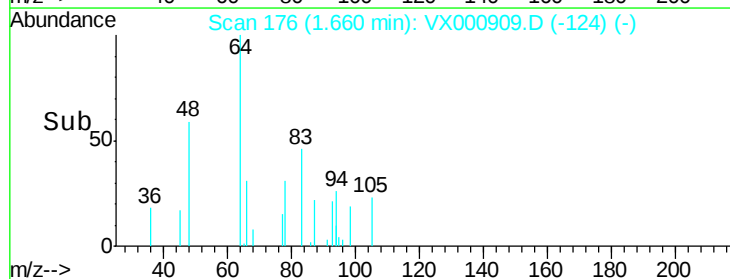
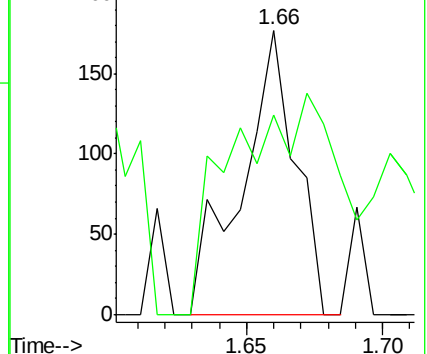
94 100

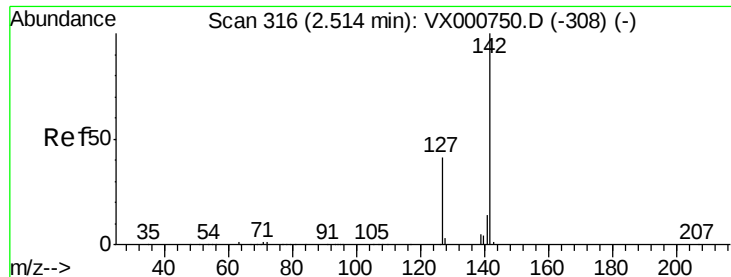
96 70.1 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

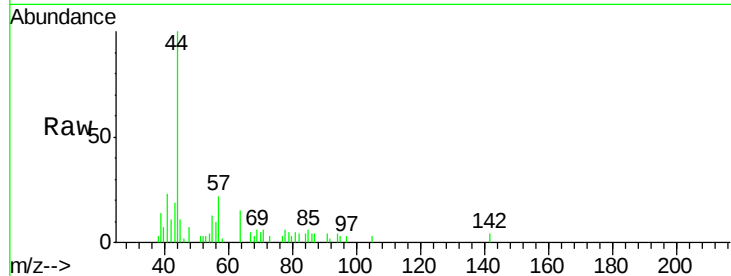




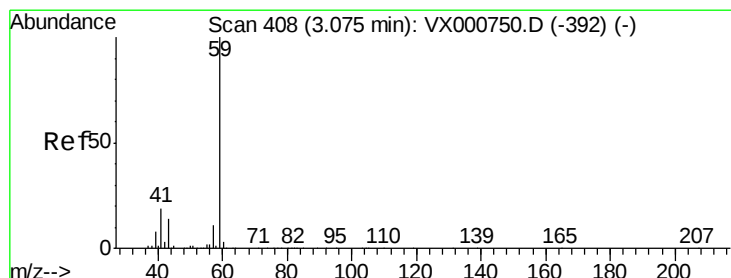
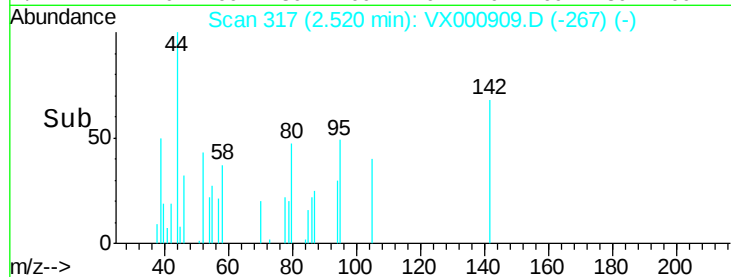
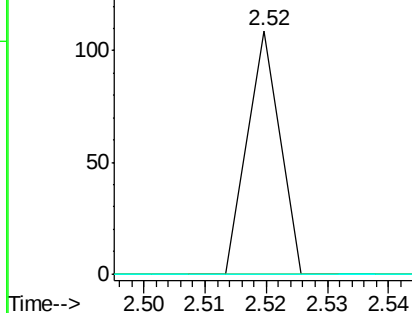
#10
Methyl Iodide
Concen: 8.25 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000909.D
Acq: 15 Apr 2018 20:25

Instrument :
MSVOA_X
ClientSampleId :
20180238-FIELD-BLANK

Tgt Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#

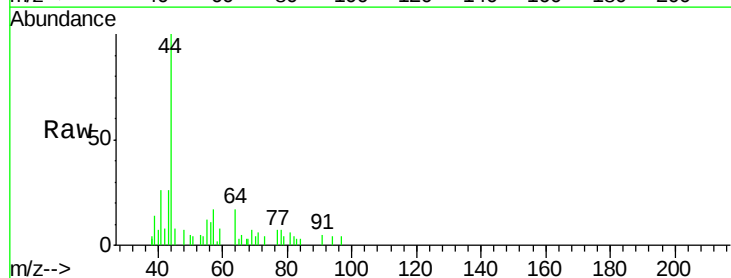


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

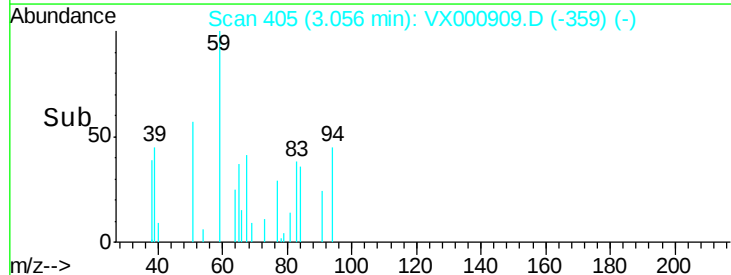
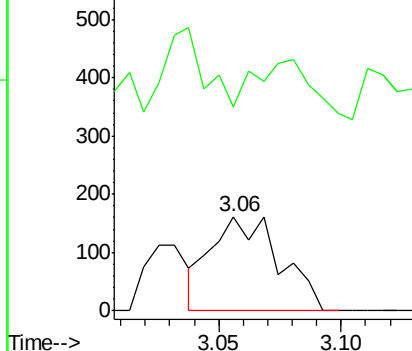


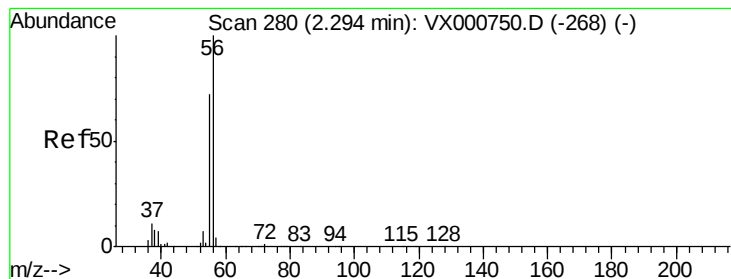
#11
Tert butyl alcohol
Concen: 0.50 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX000909.D
Acq: 15 Apr 2018 20:25

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



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





#13

Acrolein

Concen: 0.45 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

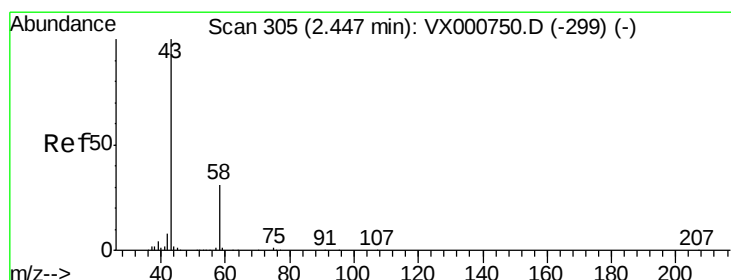
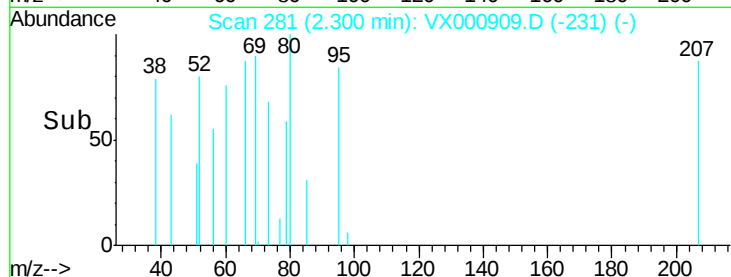
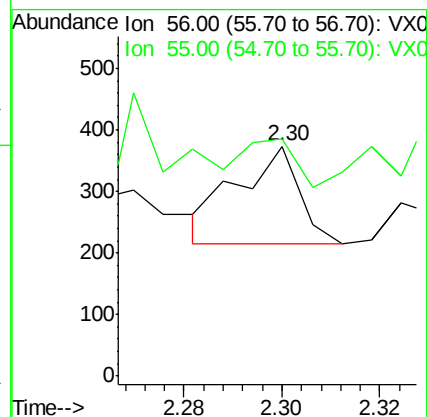
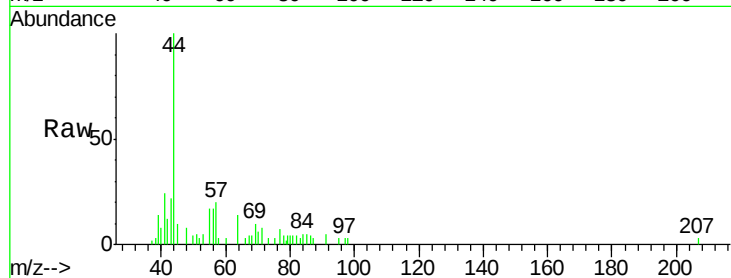
20180238-FIELD-BLANK

Tgt Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 0.0 58.7 88.1#



#16

Acetone

Concen: 4.05 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000909.D

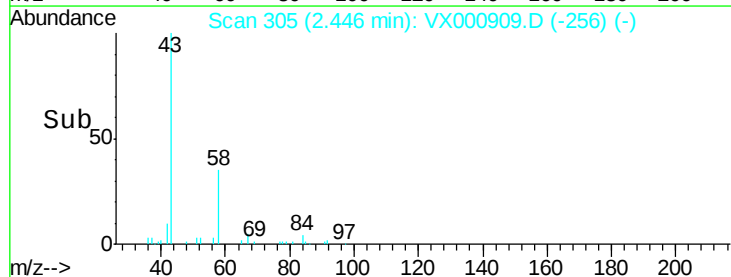
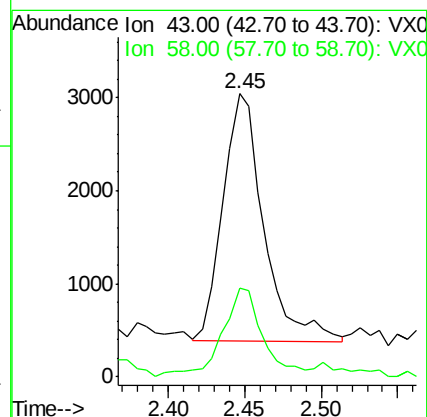
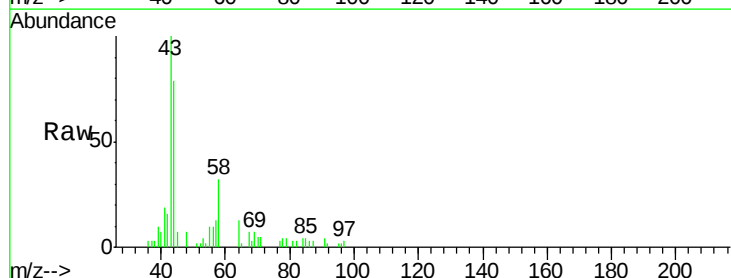
Acq: 15 Apr 2018 20:25

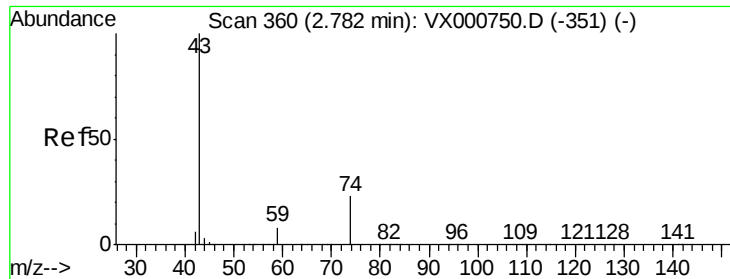
Tgt Ion: 43 Resp: 4949

Ion Ratio Lower Upper

43 100

58 33.7 24.6 37.0





#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

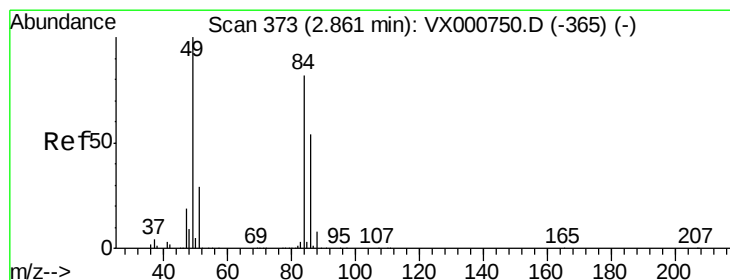
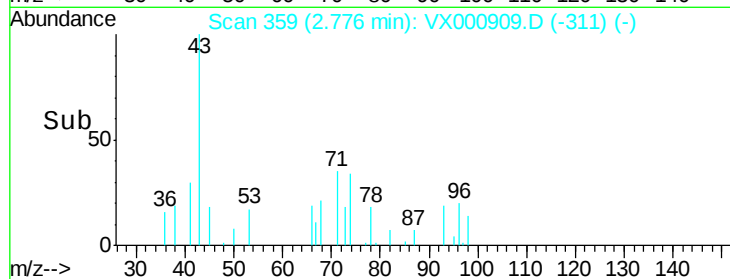
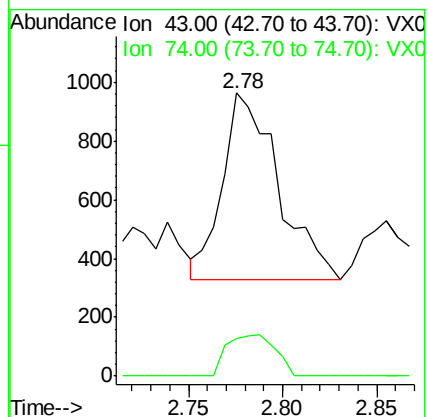
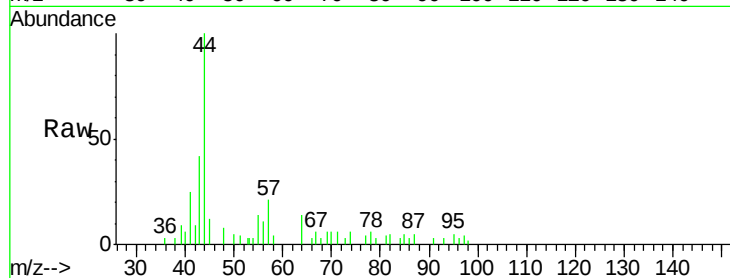
20180238-FIELD-BLANK

Tgt Ion: 43 Resp: 1310

Ion Ratio Lower Upper

43 100

74 19.2 19.1 28.7



#20

Methylene Chloride

Concen: 0.63 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Tgt Ion: 84 Resp: 1801

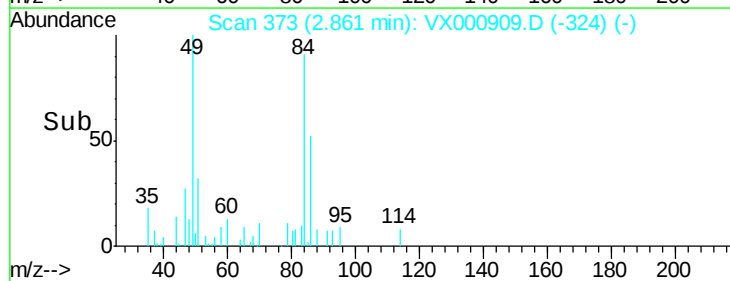
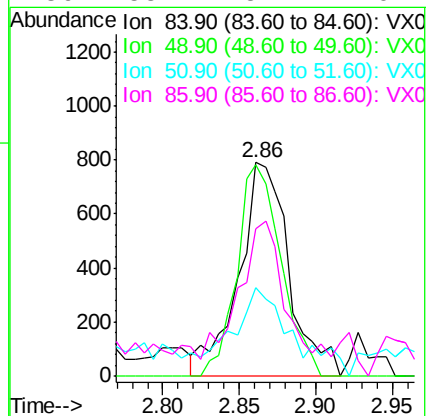
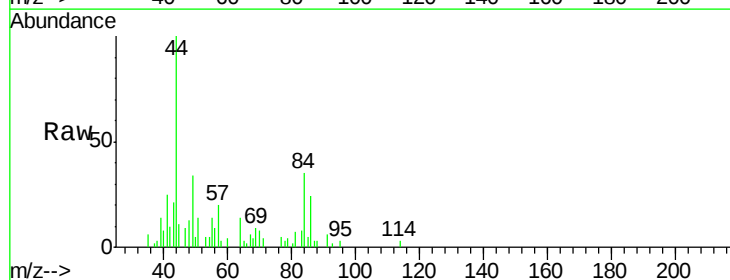
Ion Ratio Lower Upper

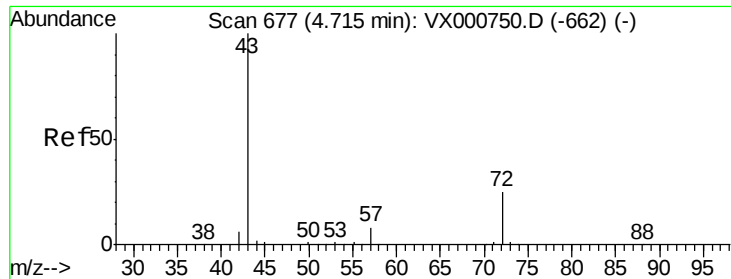
84 100

49 98.9 98.1 147.1

51 32.6 28.9 43.3

86 55.4 52.7 79.1





#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

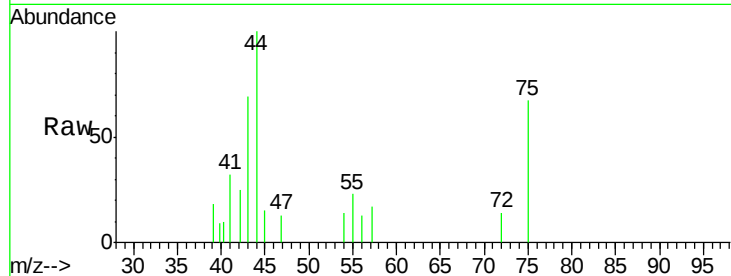
20180238-FIELD-BLANK

Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

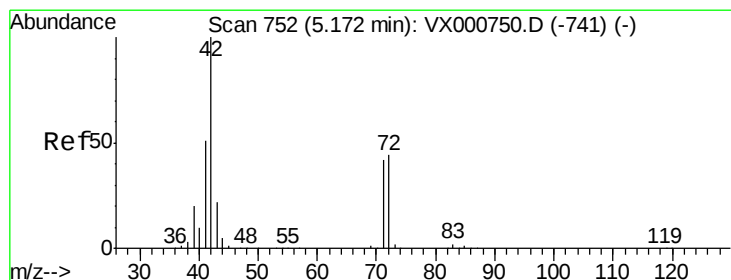
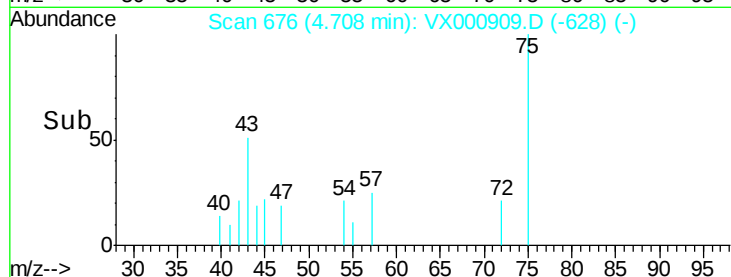
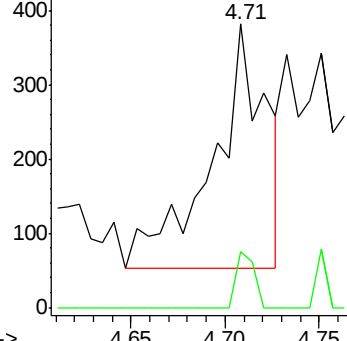
43 100

72 23.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

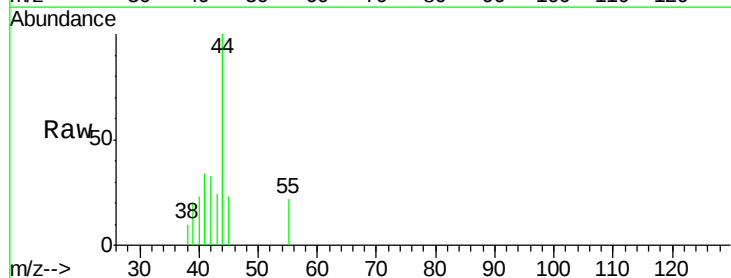
Tgt Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 28.6 35.1 52.7#

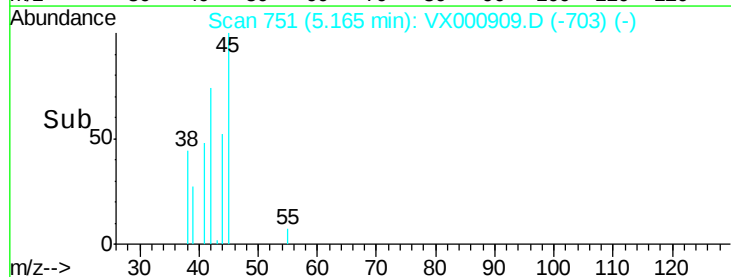
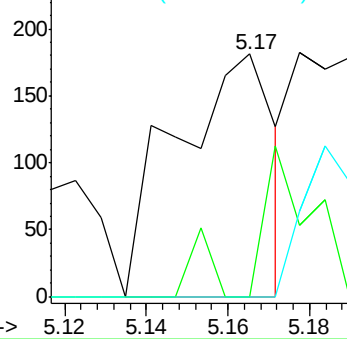
71 31.9 32.8 49.2#

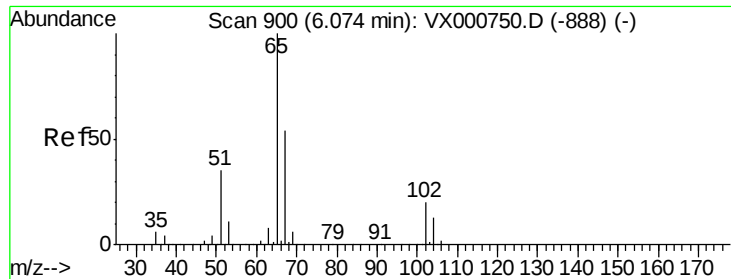


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.61 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

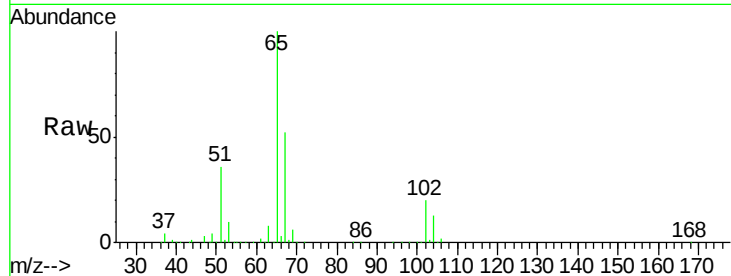
20180238-FIELD-BLANK

Tgt Ion: 65 Resp: 165165

Ion Ratio Lower Upper

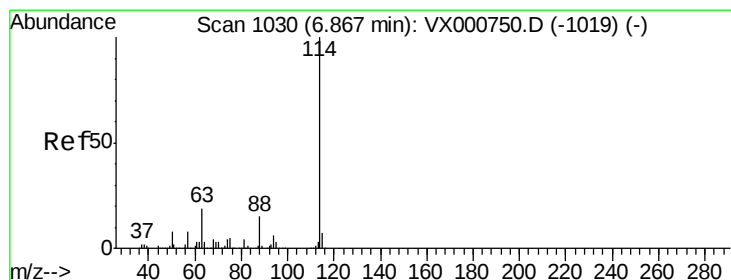
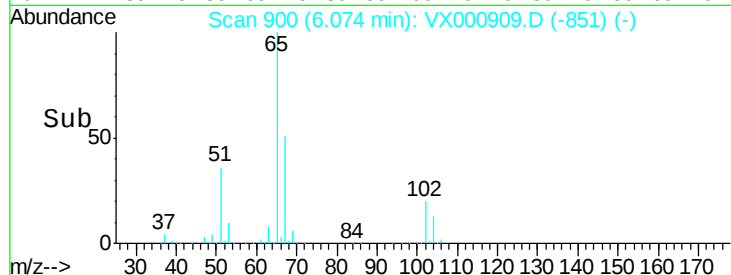
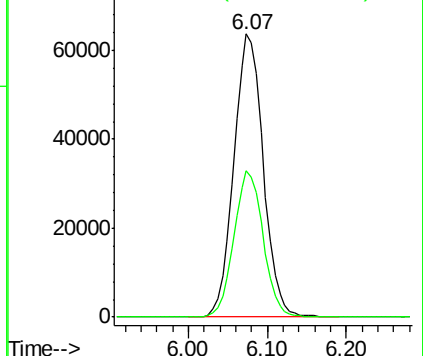
65 100

67 51.5 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# 1030

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

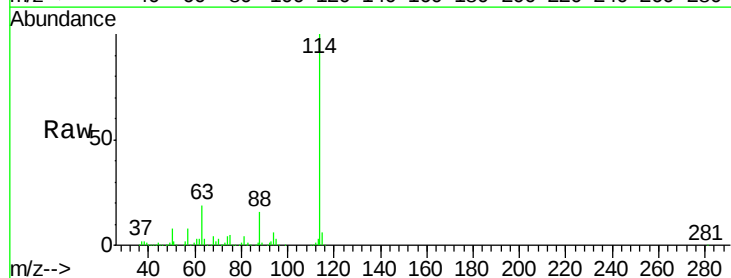
Tgt Ion: 114 Resp: 381491

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

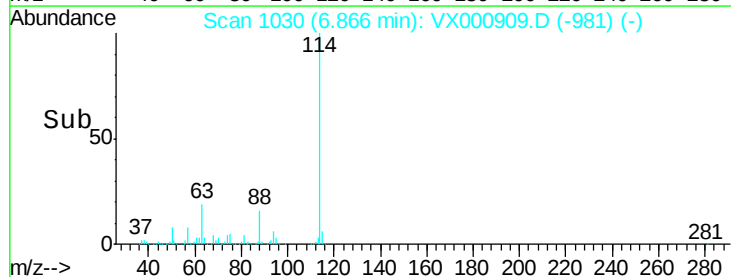
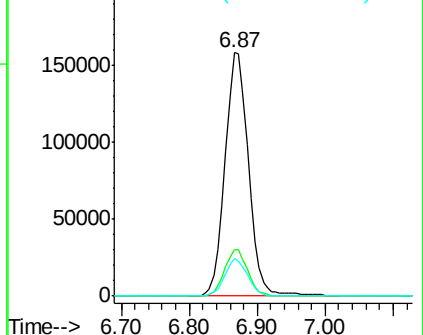
88 15.5 0.0 31.0

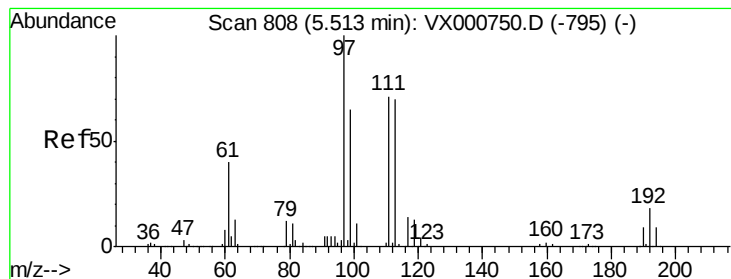


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.31 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

20180238-FIELD-BLANK

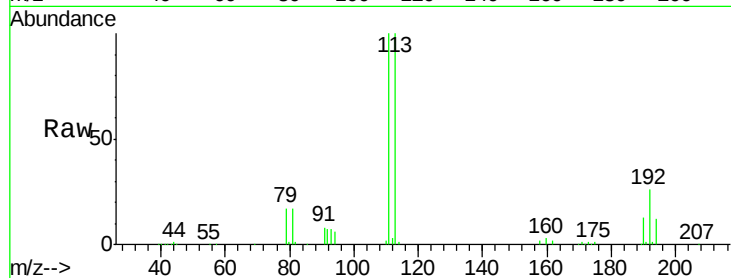
Tgt Ion:113 Resp: 133160

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

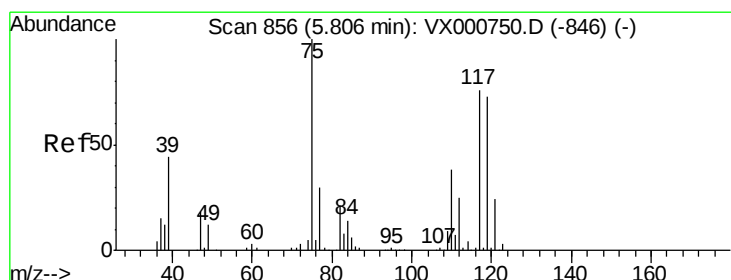
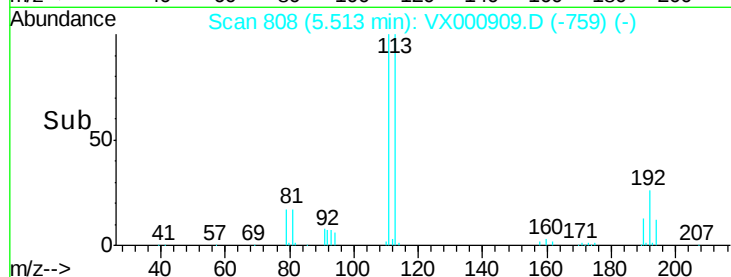
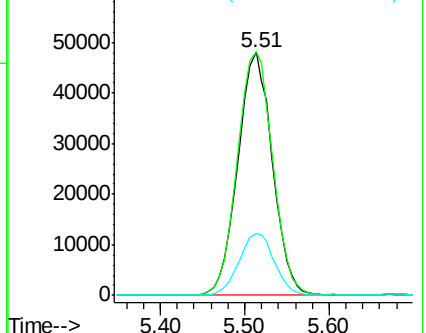
192 26.0 20.4 30.6



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



#36

1,1-Dichloropropene

Concen: 4.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

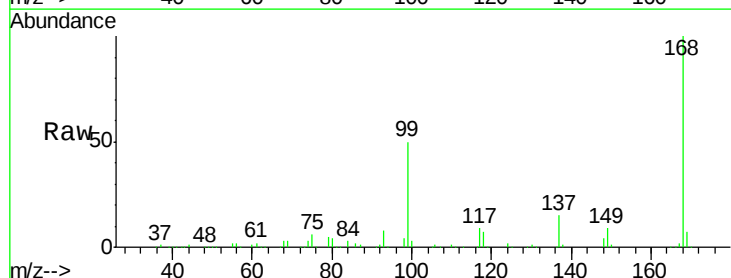
Tgt Ion: 75 Resp: 16990

Ion Ratio Lower Upper

75 100

110 9.7 19.2 57.6#

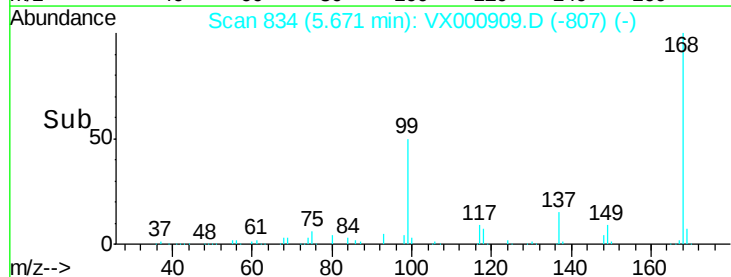
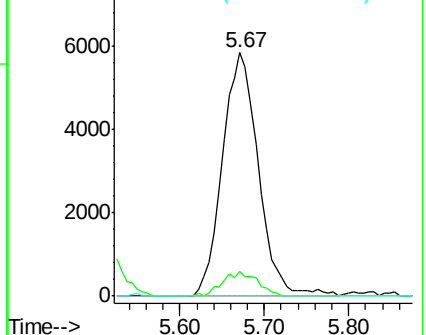
77 0.0 25.4 38.2#

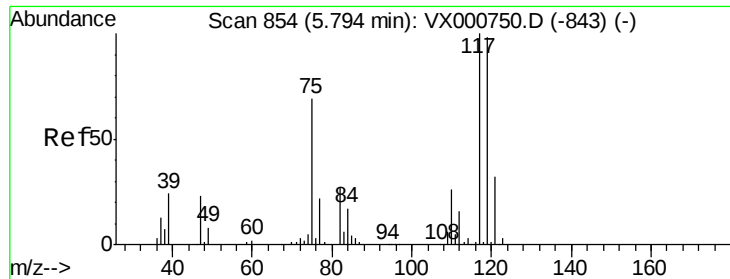


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

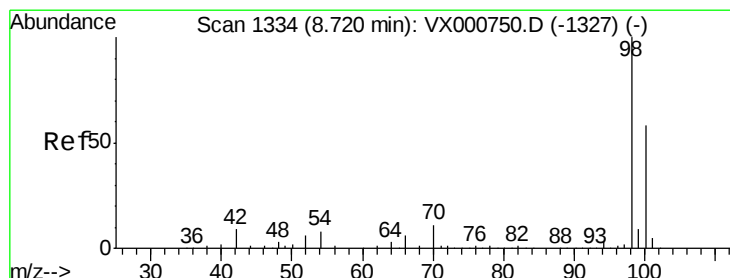
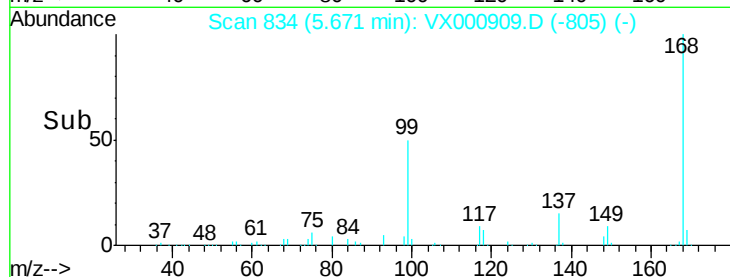
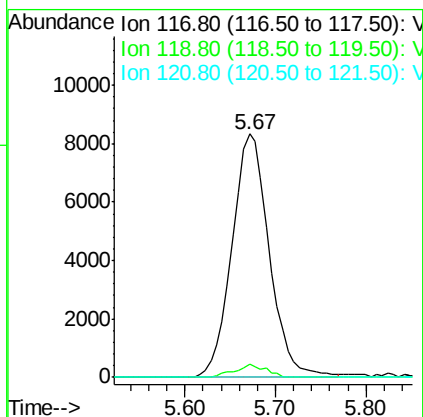
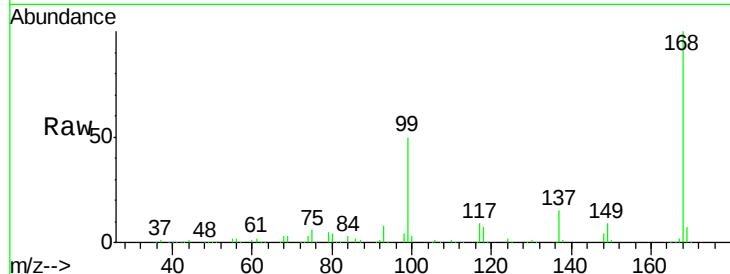




#38
 Carbon Tetrachloride
 Concen: 5.06 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000909.D
 Acq: 15 Apr 2018 20:25

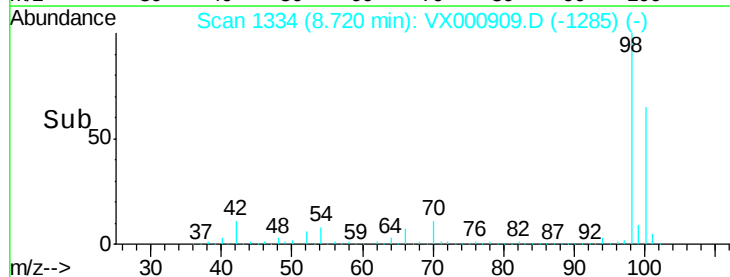
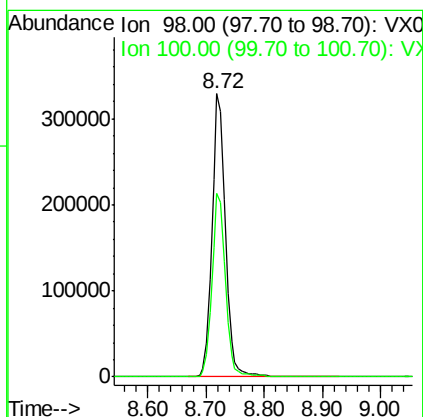
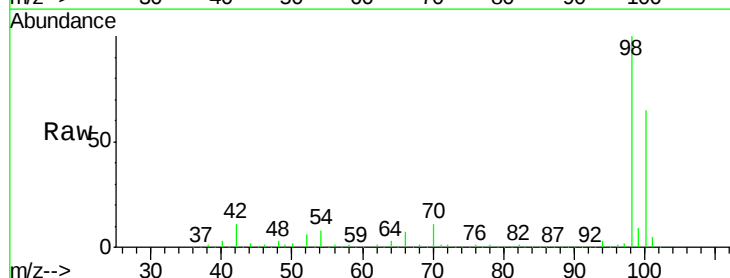
Instrument :
 MSVOA_X
 ClientSampleId :
 20180238-FIELD-BLANK

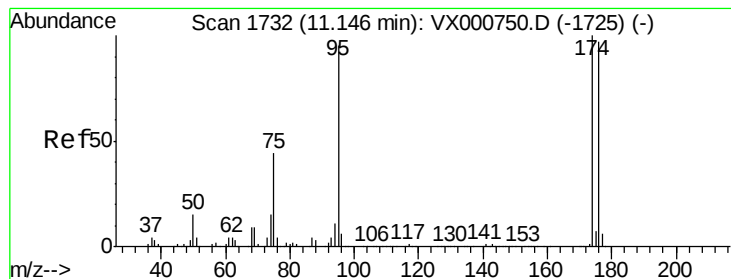
Tgt Ion: 117 Resp: 23789
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.4 117.6#
 121 0.0 25.4 38.0#



#50
 Toluene-d8
 Concen: 48.08 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX000909.D
 Acq: 15 Apr 2018 20:25

Tgt Ion: 98 Resp: 526117
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 45.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

20180238-FIELD-BLANK

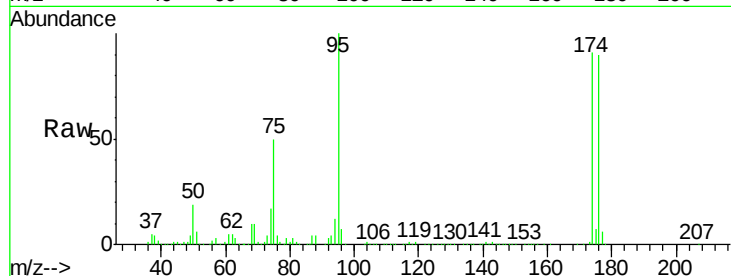
Tgt Ion: 95 Resp: 204160

Ion Ratio Lower Upper

95 100

174 97.7 0.0 198.4

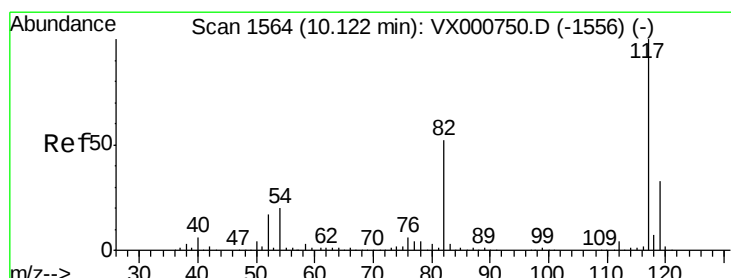
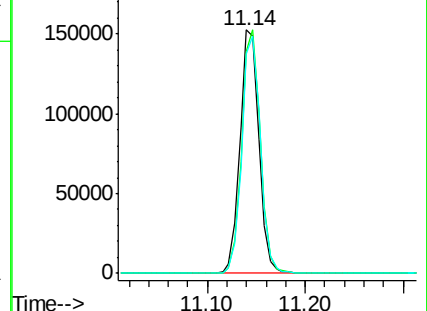
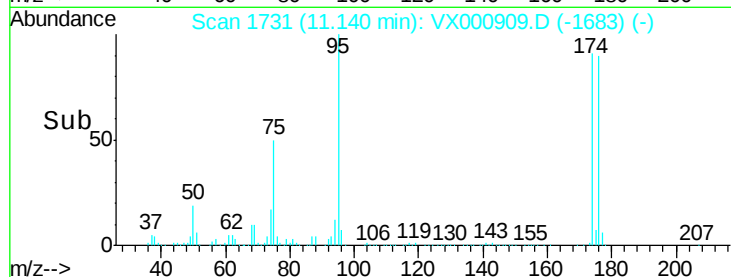
176 95.8 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000909.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000909.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000909.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

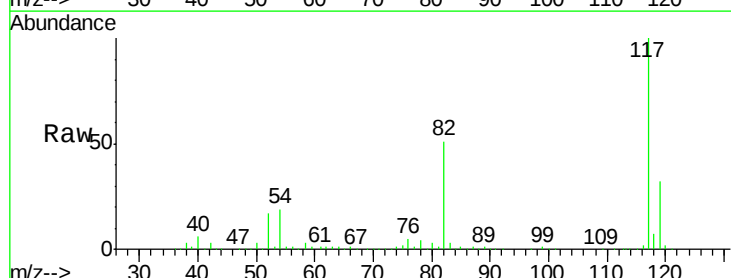
Tgt Ion: 117 Resp: 349481

Ion Ratio Lower Upper

117 100

82 51.4 41.9 62.9

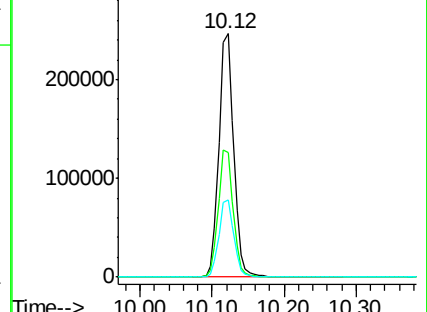
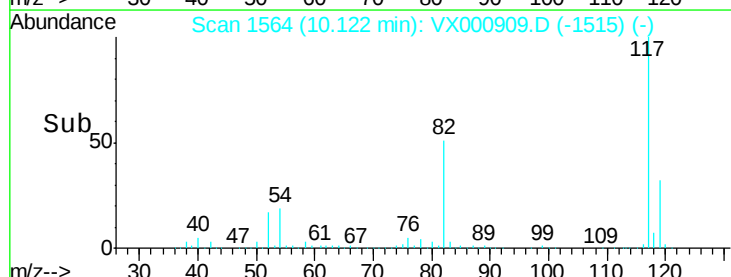
119 31.7 26.0 39.0

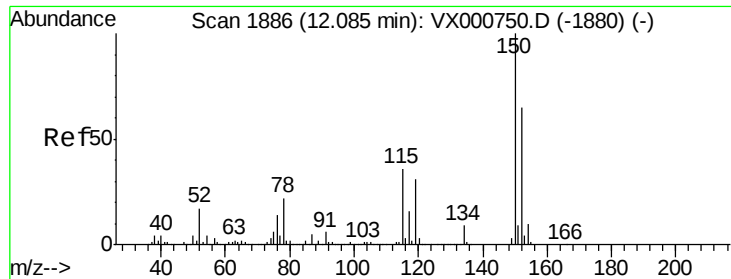


Abundance Ion 116.90 (116.60 to 117.60): VX000909.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000909.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000909.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

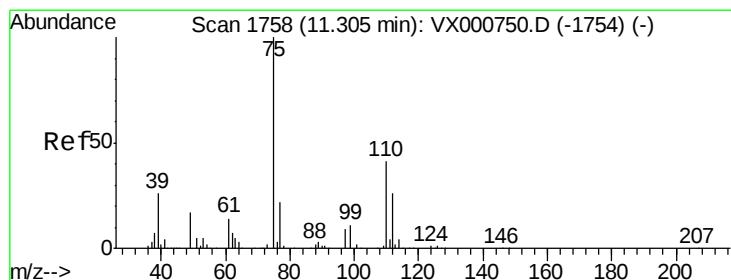
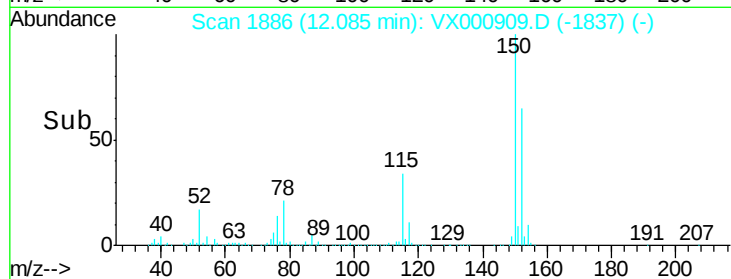
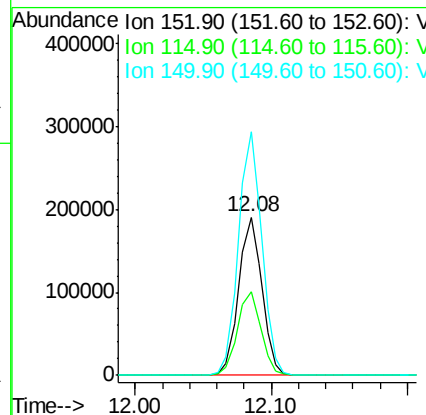
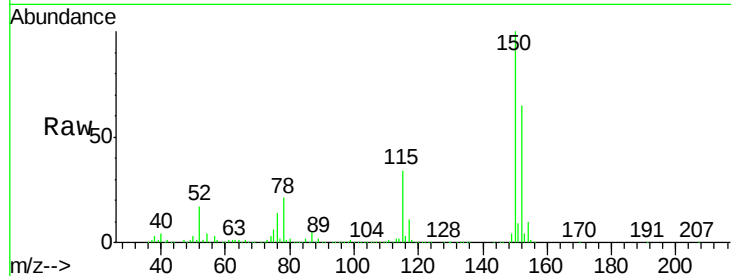
Instrument :

MSVOA_X

ClientSampleId :

20180238-FIELD-BLANK

Tgt Ion:	152	Resp:	228087
Ion	Ratio	Lower	Upper
152	100		
115	53.3	37.9	113.7
150	154.2	0.0	348.0



#76

1,2,3-Trichloropropane

Concen: 25.32 ug/l

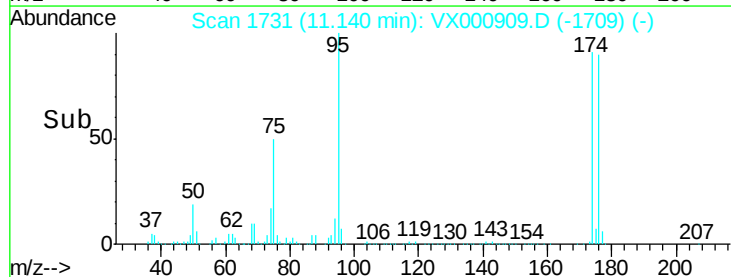
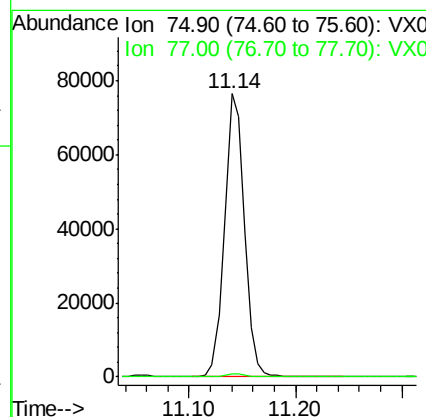
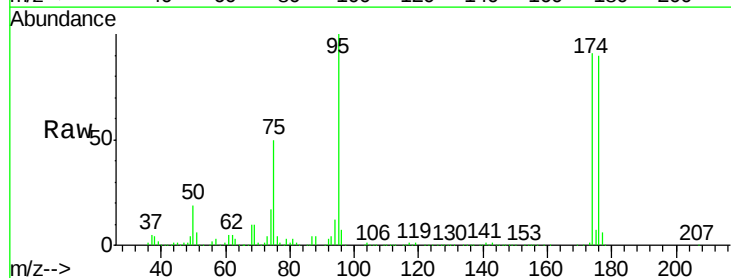
RT: 11.14 min Scan# 1731

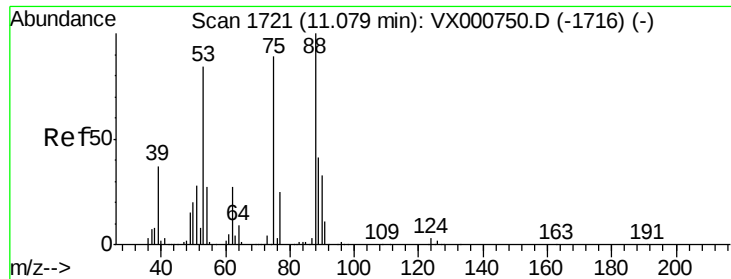
Delta R.T. -0.16 min

Lab File: VX000909.D

Acq: 15 Apr 2018 20:25

Tgt Ion:	75	Resp:	99617
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.5	61.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000909.D

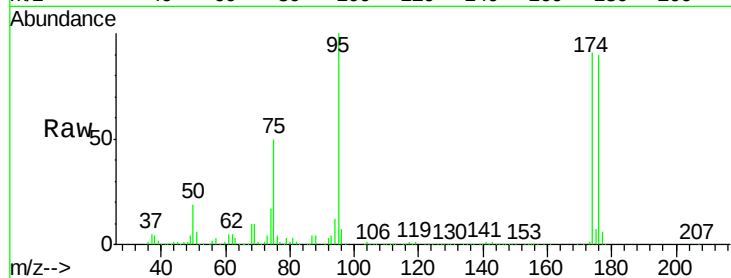
Acq: 15 Apr 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

20180238-FIELD-BLANK



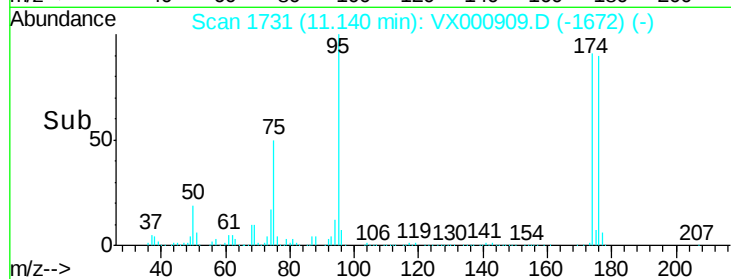
Tgt Ion: 75 Resp: 99617

Ion Ratio Lower Upper

75 100

53 0.1 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

