

Data File : VX009701.D
Acq On : 18 May 2019 07:49
Operator : JC/SP
Sample : K2901-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9B_R2

Quant Time: May 20 04:16:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113787	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	5.50	113	82630	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	338229	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	109987	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	

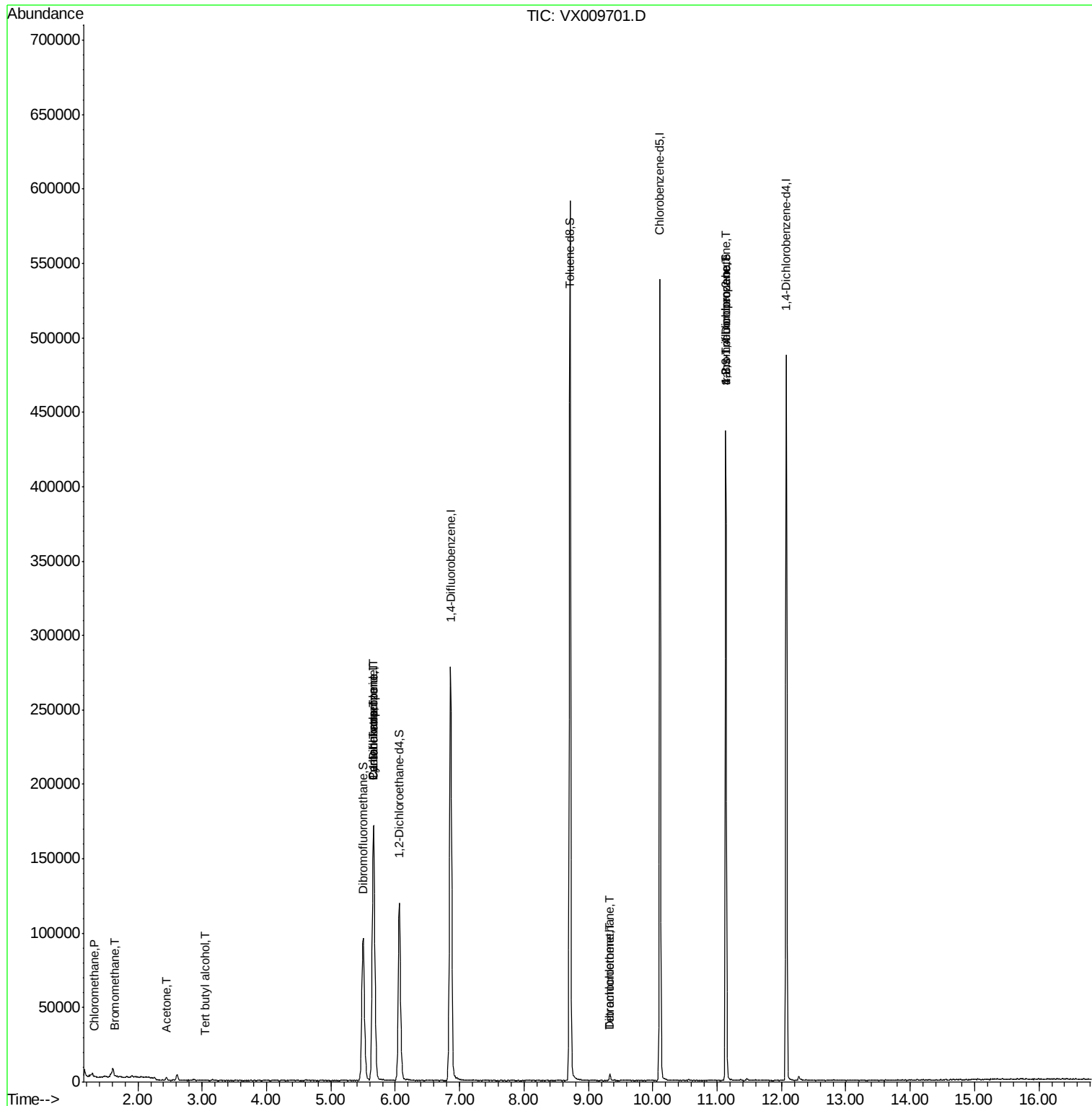
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	493	0.233	ug/l	100
5) Bromomethane	1.65	94	270	0.218	ug/l #	15
11) Tert butyl alcohol	3.04	59	178	0.335	ug/l #	64
16) Acetone	2.45	43	2167	1.757	ug/l #	85
28) Bromochloromethane	5.02	49	97	Below Cal	#	20
31) Cyclohexane	5.66	56	3770	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13050	5.202	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16100	7.064	ug/l #	15
60) Dibromochloromethane	9.34	129	711	0.378	ug/l #	11
64) Tetrachloroethene	9.34	164	789	0.482	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	57532	24.986	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57532	63.931	ug/l #	10

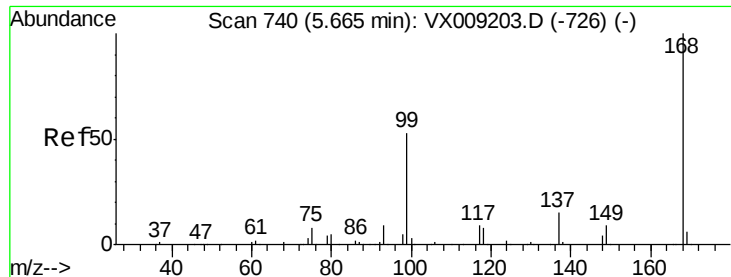
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

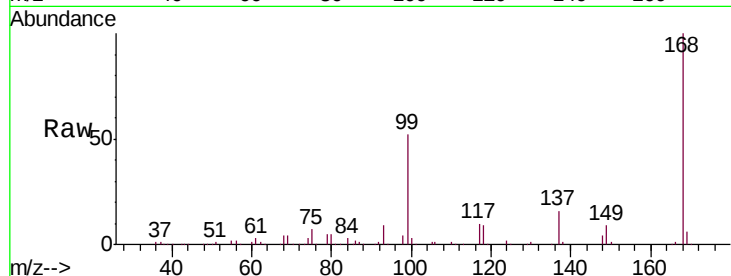
MW-9B_R2

Tgt Ion:168 Resp: 168230

Ion Ratio Lower Upper

168 100

99 52.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

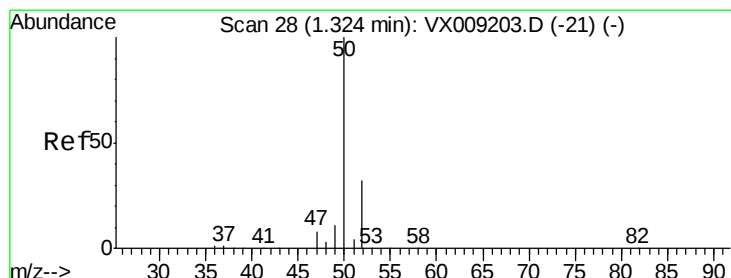
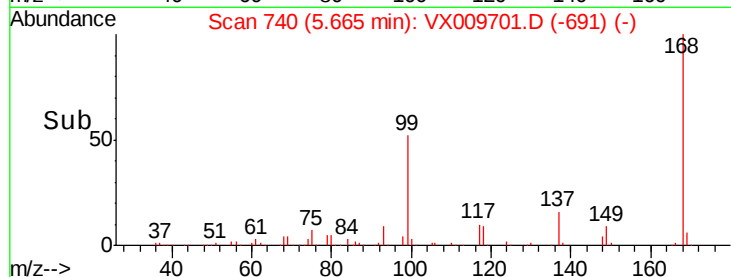
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009701.D

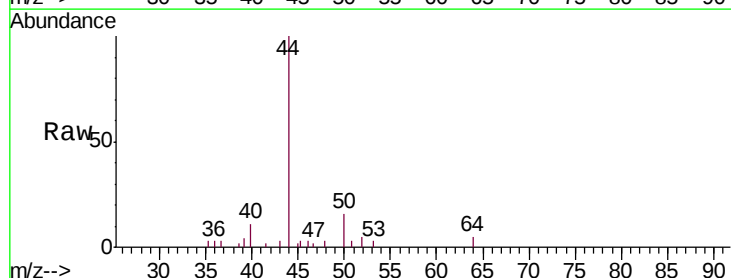
Acq: 18 May 2019 07:49

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

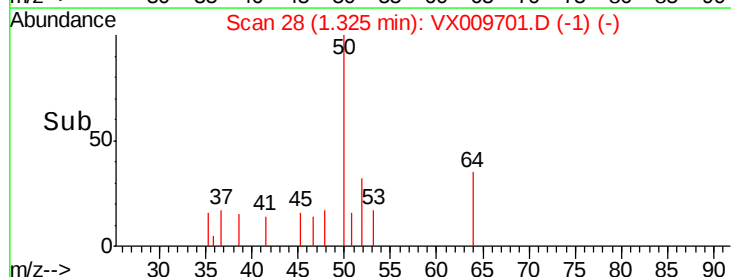
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampled :

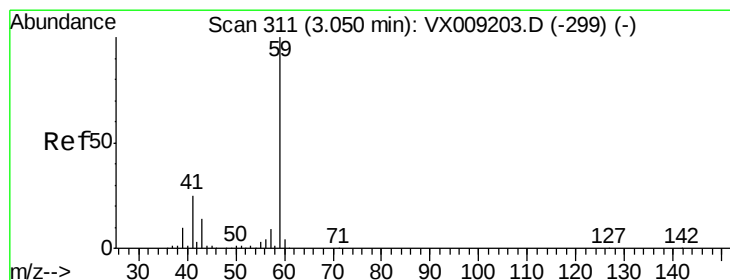
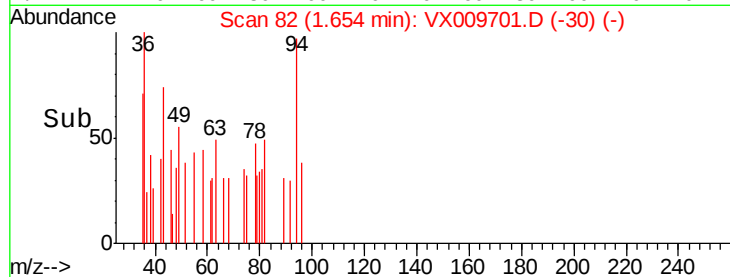
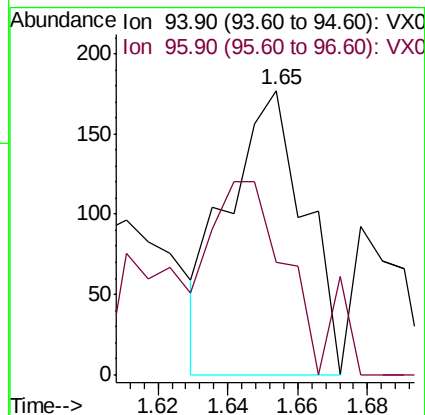
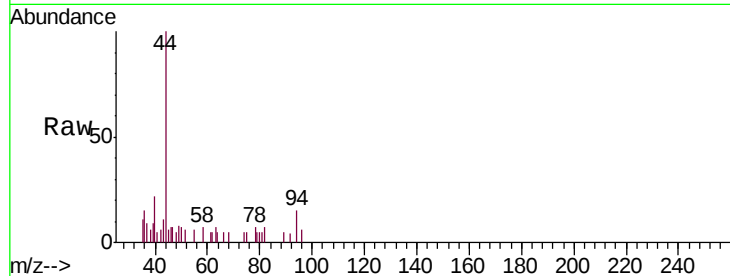
MW-9B_R2

Tgt Ion: 94 Resp: 270

Ion Ratio Lower Upper

94 100

96 10.7 73.0 109.6#



#11

Tert butyl alcohol

Concen: 0.335 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009701.D

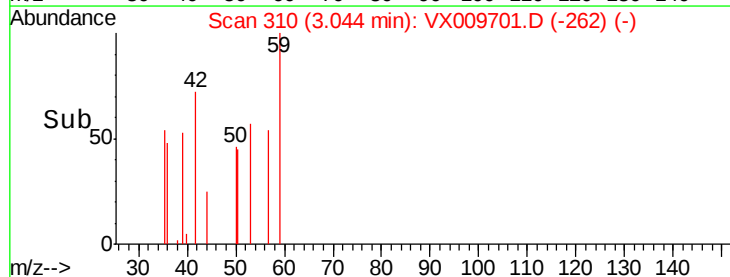
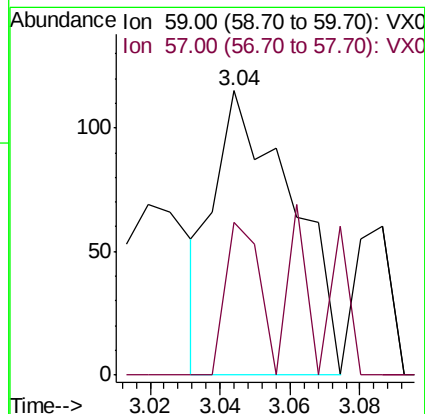
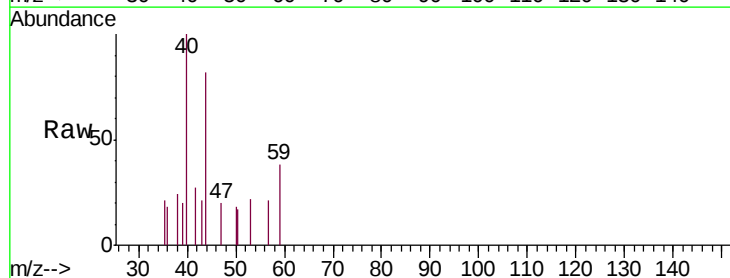
Acq: 18 May 2019 07:49

Tgt Ion: 59 Resp: 178

Ion Ratio Lower Upper

59 100

57 23.6 8.2 12.2#





#16

Acetone

Concen: 1.757 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

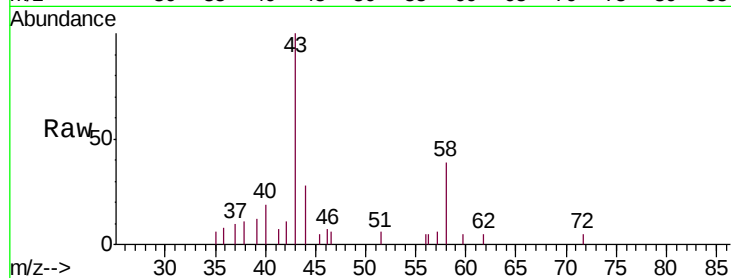
MW-9B_R2

Tgt Ion: 43 Resp: 2167

Ion Ratio Lower Upper

43 100

58 39.1 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1200

1000

800

600

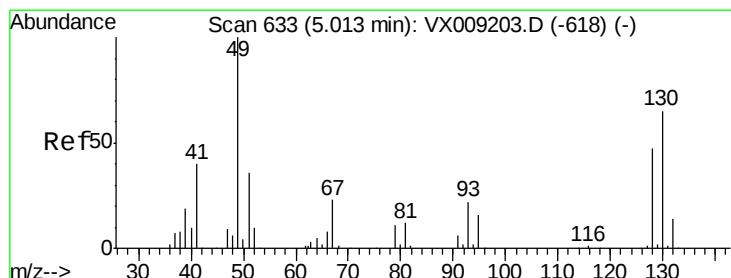
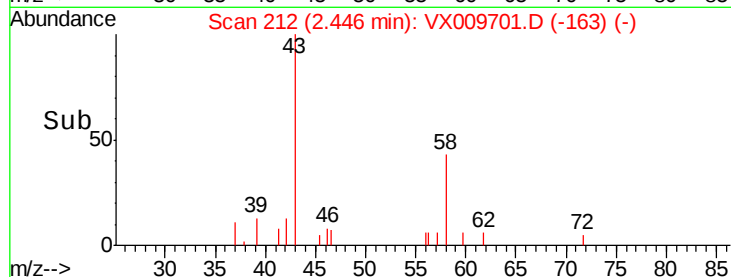
400

200

0

Time-->

2.40 2.45 2.50



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

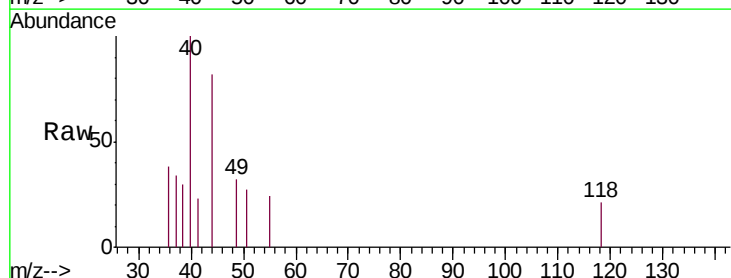
Tgt Ion: 49 Resp: 97

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

100

80

60

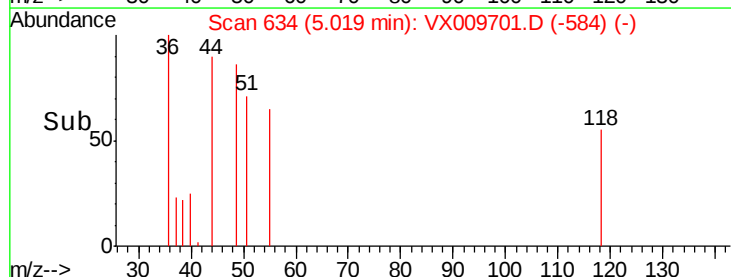
40

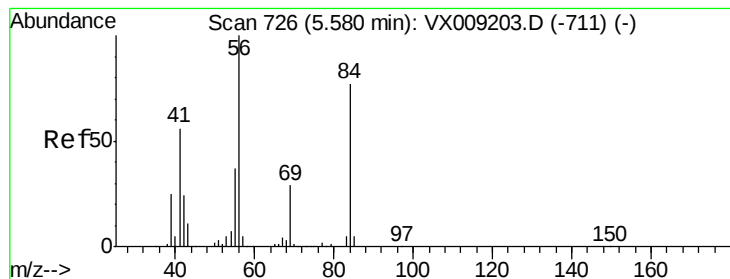
20

0

Time-->

4.96 4.98 5.00 5.02 5.04





#31

Cyclohexane

Concen: 1.110 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampled :

MW-9B_R2

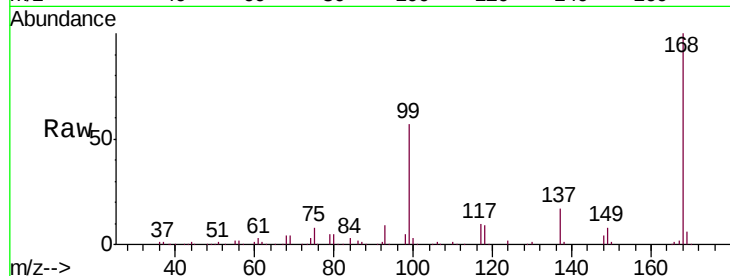
Tgt Ion: 56 Resp: 3770

Ion Ratio Lower Upper

56 100

69 178.4 23.4 35.0#

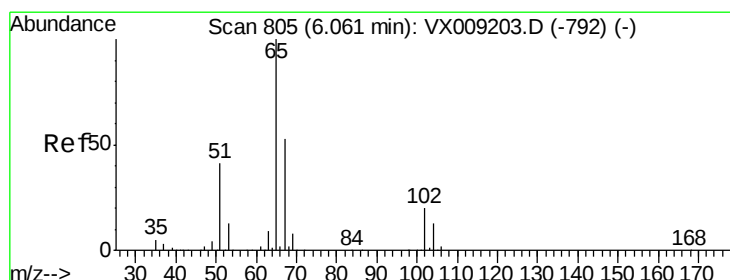
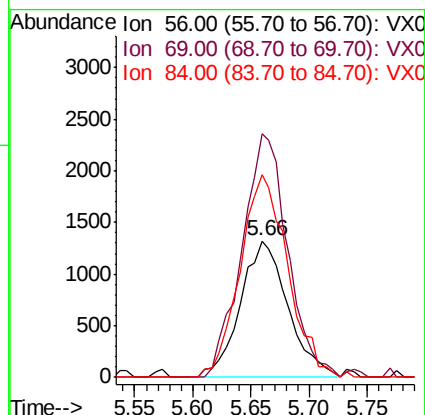
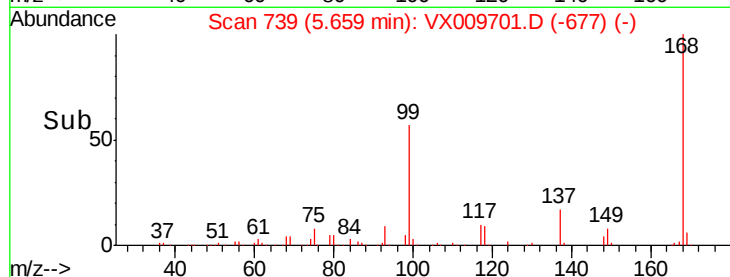
84 148.3 61.9 92.9#



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: 49.547 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009701.D

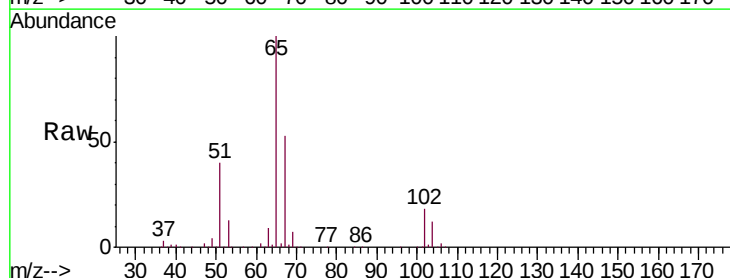
Acq: 18 May 2019 07:49

Tgt Ion: 65 Resp: 113787

Ion Ratio Lower Upper

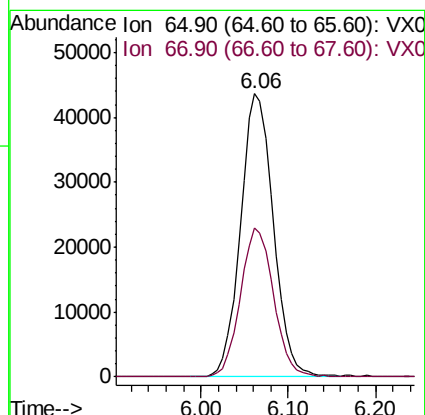
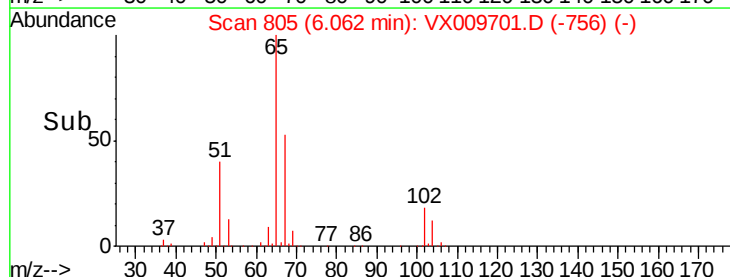
65 100

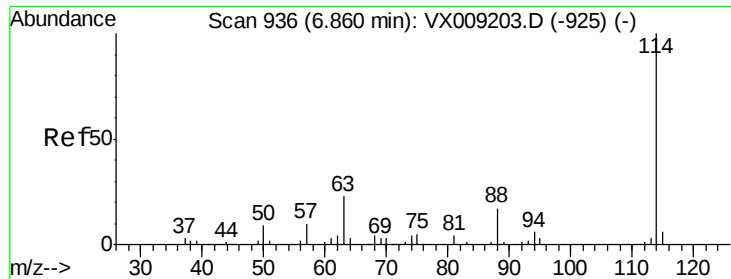
67 53.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

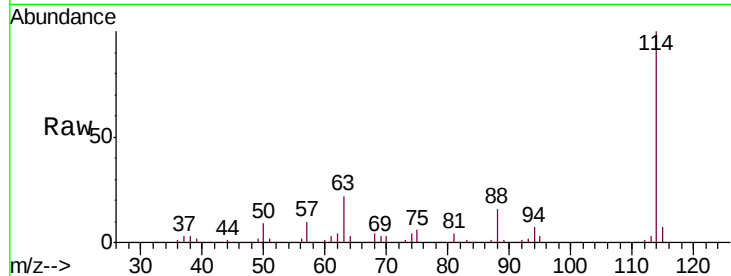




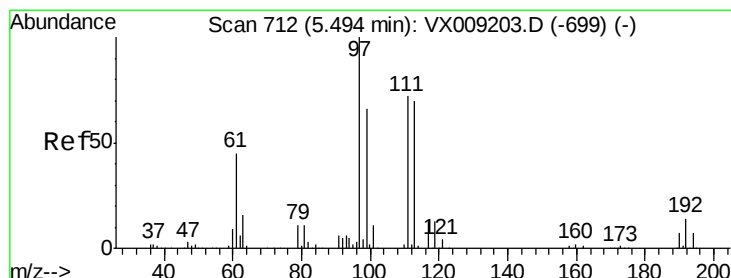
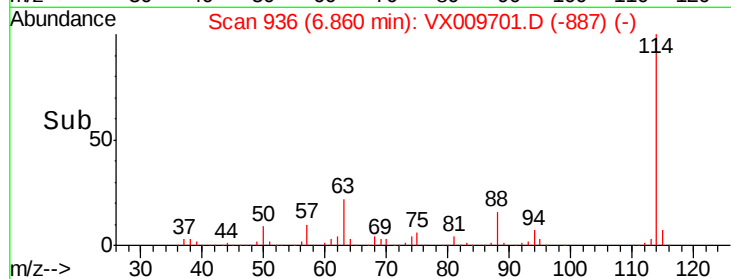
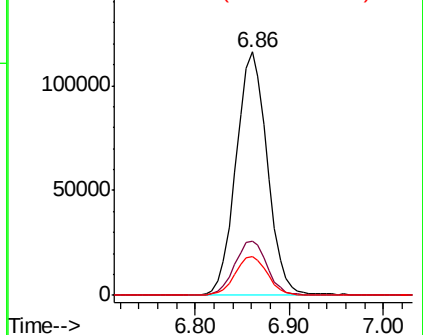
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009701.D
 Acq: 18 May 2019 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9B_R2

Tgt Ion:114 Resp: 269936
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 16.0 0.0 33.2

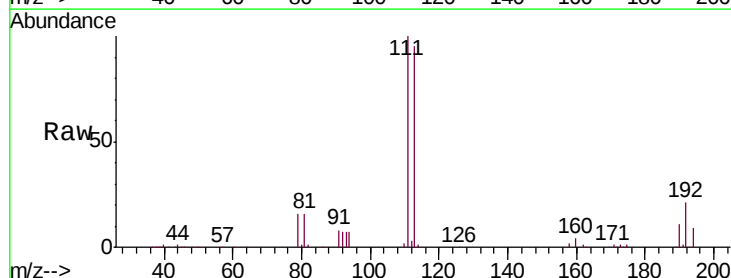


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

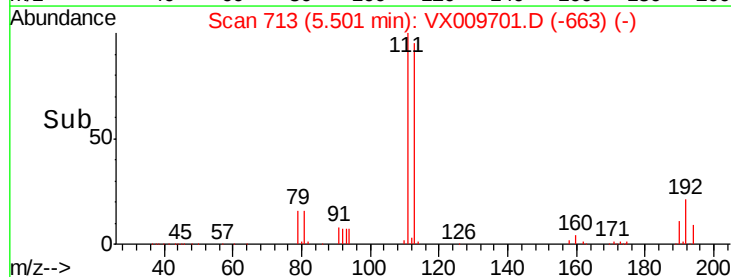
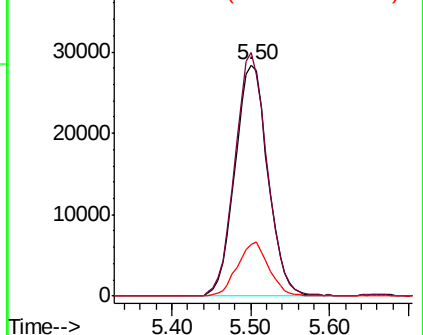


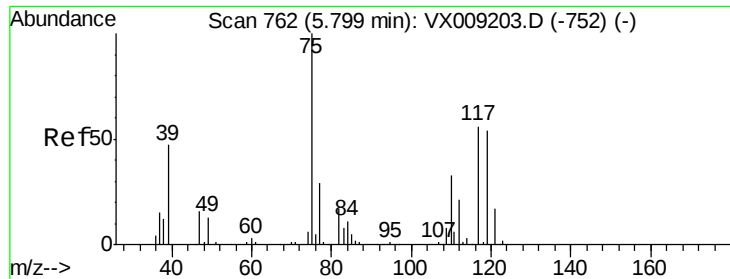
#35
 Dibromofluoromethane
 Concen: 48.694 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009701.D
 Acq: 18 May 2019 07:49

Tgt Ion:113 Resp: 82630
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.8 124.2
 192 22.3 17.0 25.6



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: 5.202 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

MW-9B_R2

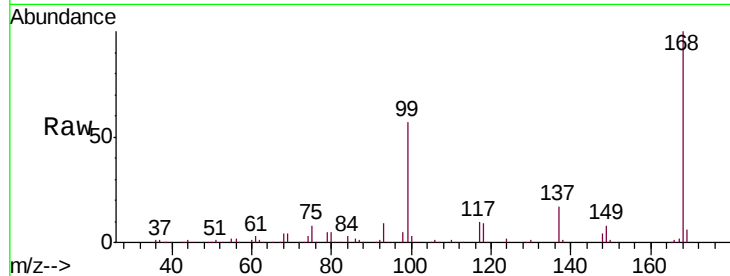
Tgt Ion: 75 Resp: 13050

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

77 0.0 24.8 37.2#

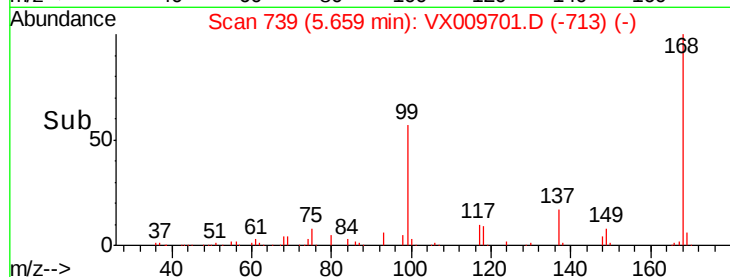


Abundance Ion 74.90 (74.60 to 75.60): VX009701.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009701.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009701.D (-713) (-)

Time-->

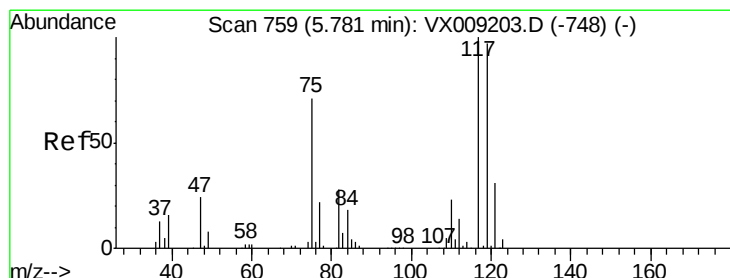


Abundance Ion 74.90 (74.60 to 75.60): VX009701.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009701.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009701.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.064 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

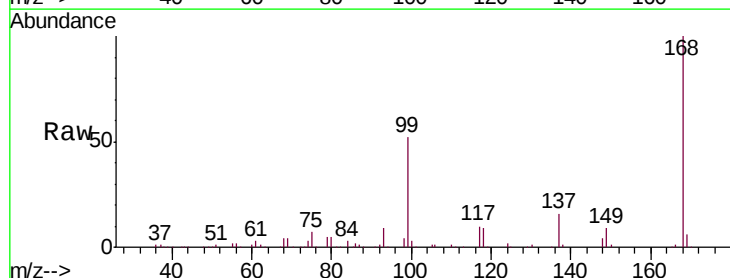
Tgt Ion: 117 Resp: 16100

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

121 0.0 24.7 37.1#

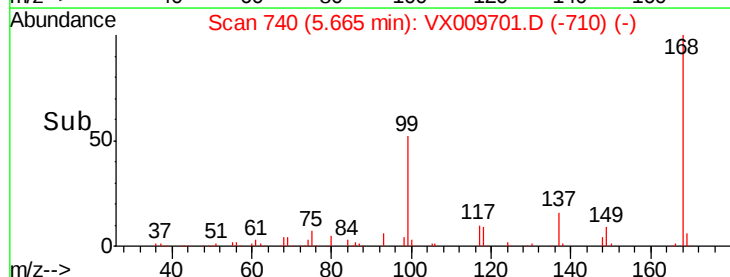


Abundance Ion 116.80 (116.50 to 117.50): VX009701.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009701.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009701.D (-710) (-)

Time-->

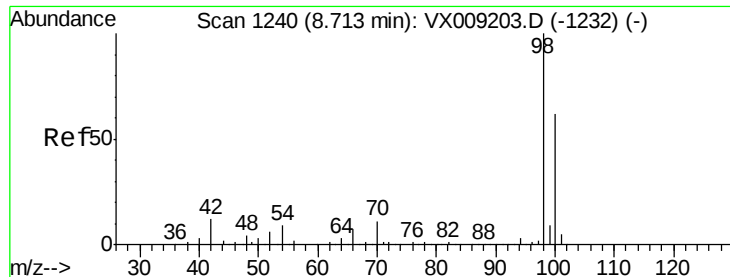


Abundance Ion 116.80 (116.50 to 117.50): VX009701.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009701.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009701.D (-710) (-)

Time-->



#50

Toluene-d8

Concen: 49.370 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

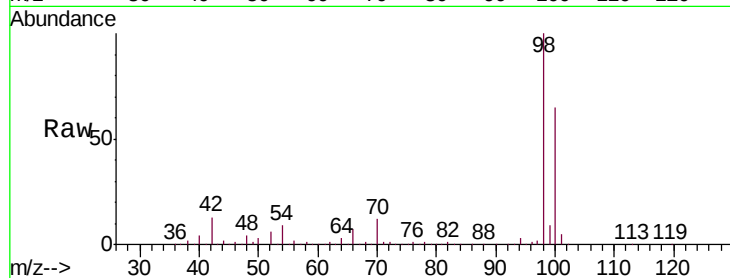
MW-9B_R2

Tgt Ion: 98 Resp: 338229

Ion Ratio Lower Upper

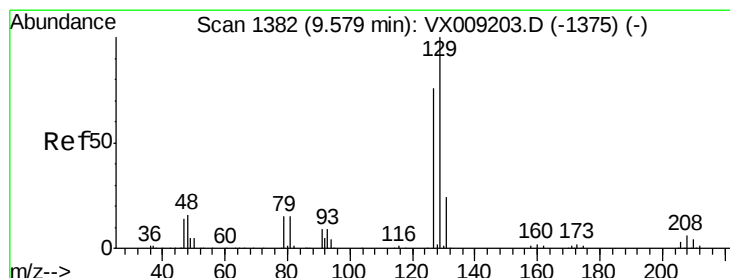
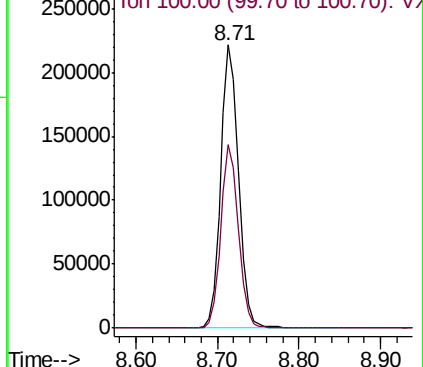
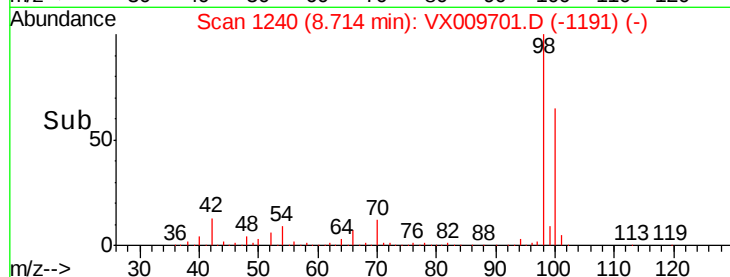
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009701.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX009701.D (-1191) (-)



#60

Dibromochloromethane

Concen: 0.378 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009701.D

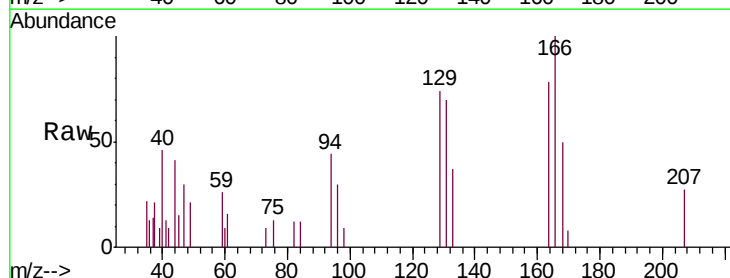
Acq: 18 May 2019 07:49

Tgt Ion: 129 Resp: 711

Ion Ratio Lower Upper

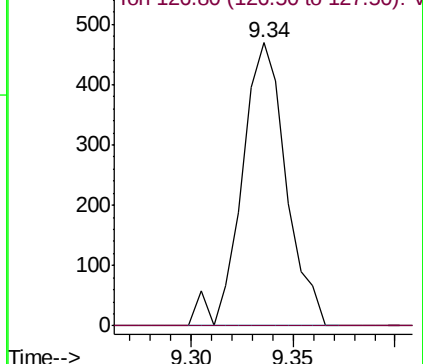
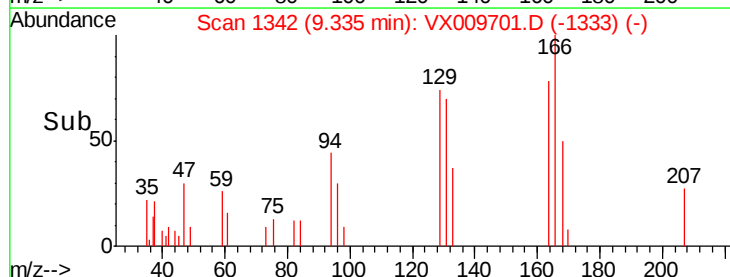
129 100

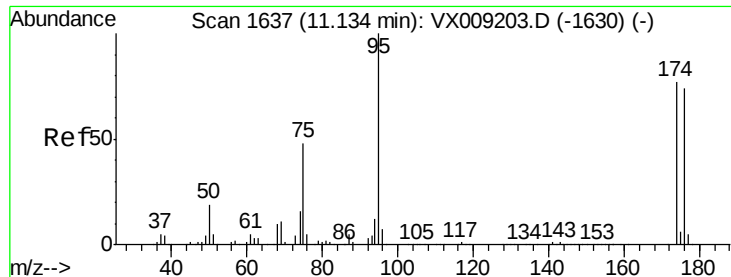
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX009701.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX009701.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 44.183 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

MW-9B_R2

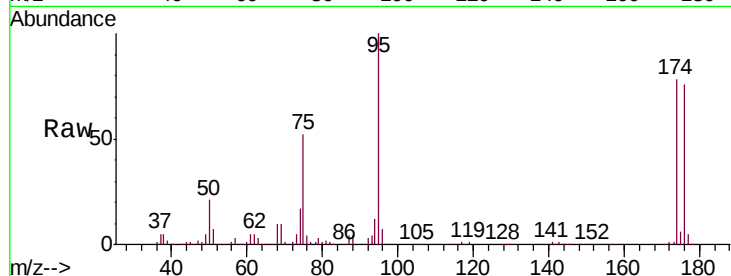
Tgt Ion: 95 Resp: 109987

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

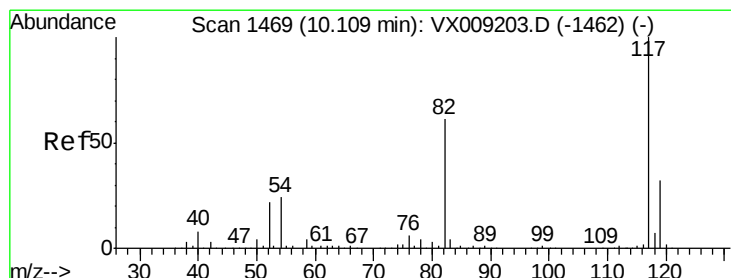
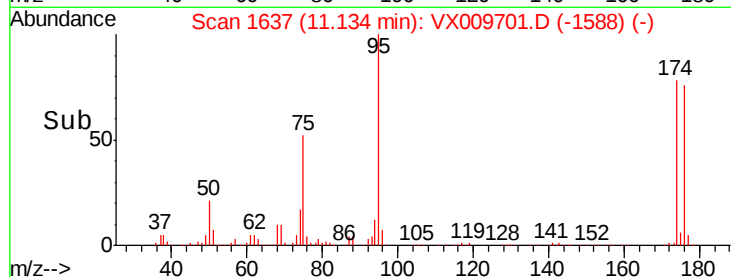
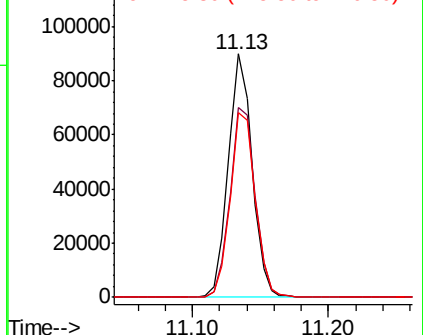
176 79.9 0.0 159.2



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

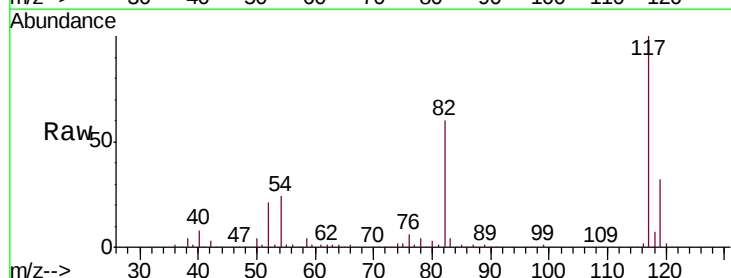
Tgt Ion: 117 Resp: 238626

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

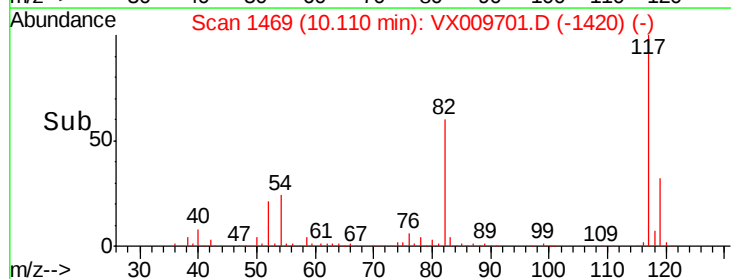
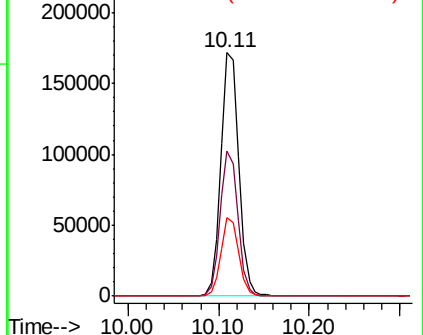
119 32.1 25.8 38.6

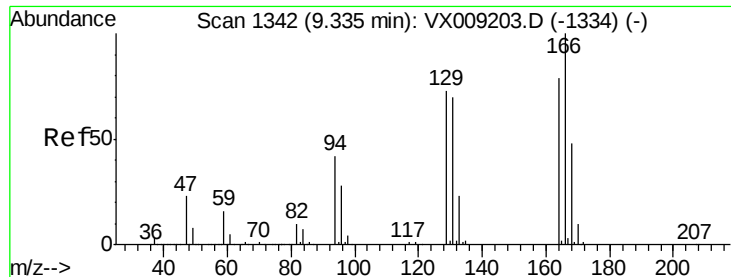


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.482 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampleId :

MW-9B_R2

Tgt Ion:164 Resp: 789

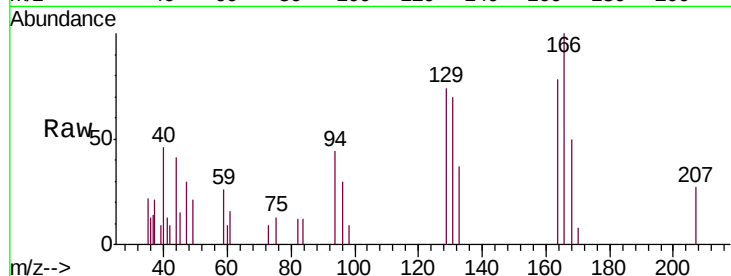
Ion Ratio Lower Upper

164 100

166 127.6 101.2 151.8

129 94.4 74.3 111.5

131 89.5 71.0 106.6

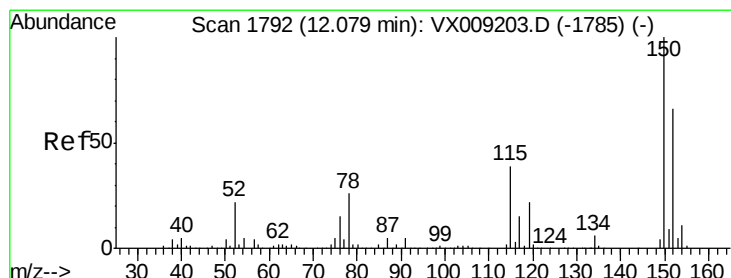
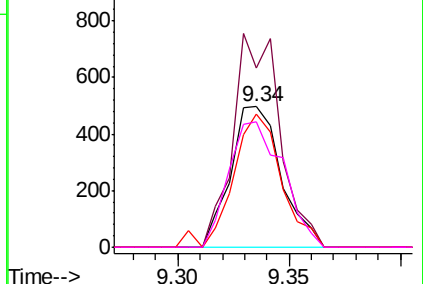
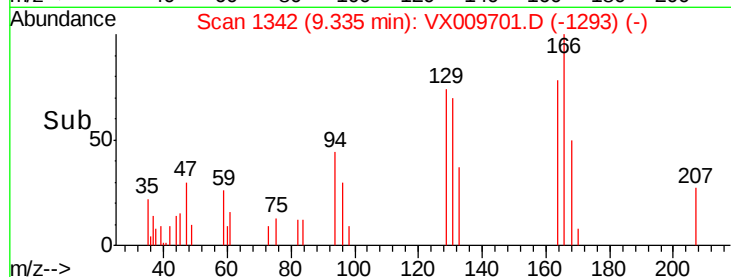


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

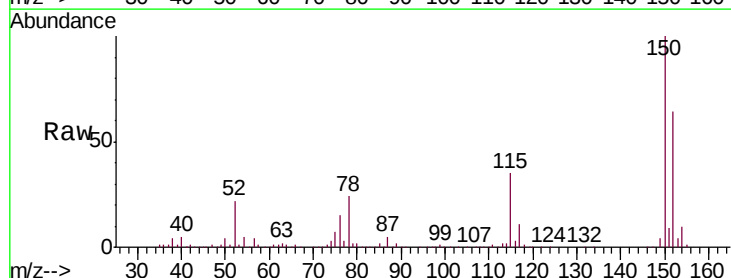
Tgt Ion:152 Resp: 99263

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

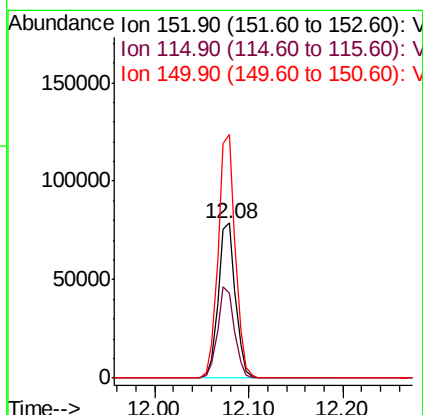
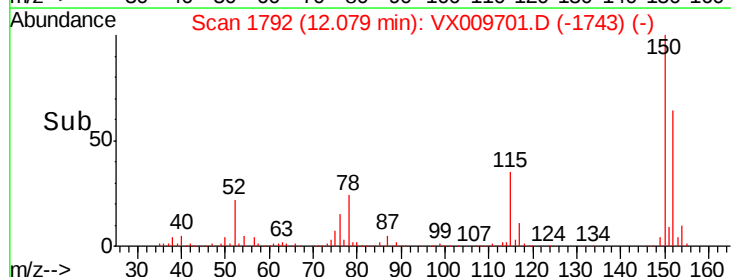
150 156.9 0.0 346.4

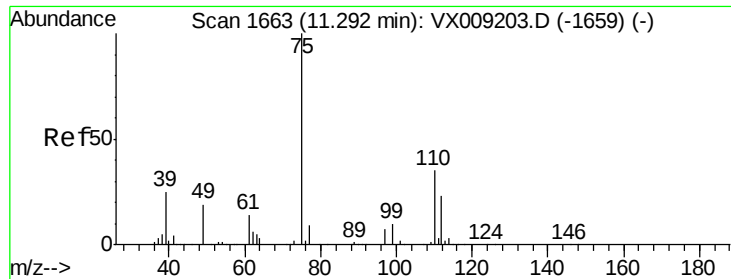


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.986 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Instrument :

MSVOA_X

ClientSampled :

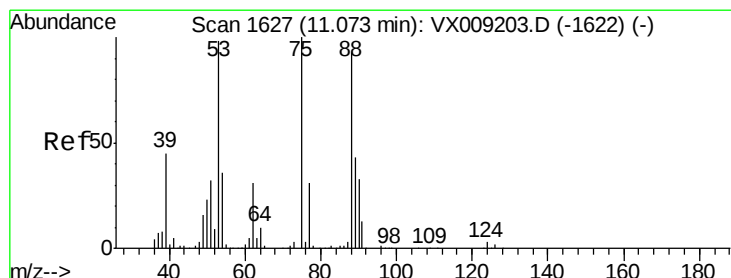
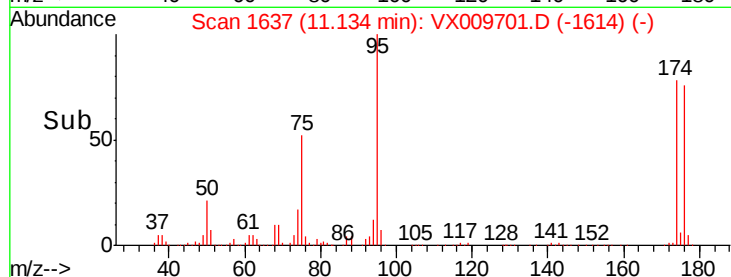
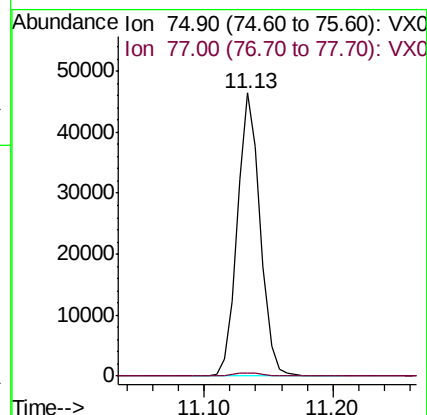
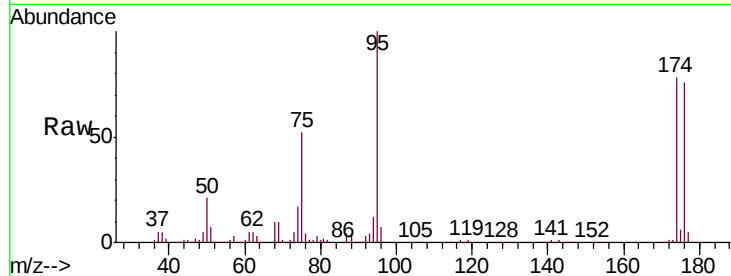
MW-9B_R2

Tgt Ion: 75 Resp: 57532

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.931 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009701.D

Acq: 18 May 2019 07:49

Tgt Ion: 75 Resp: 57532

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

