

Data File : VX009703.D
Acq On : 18 May 2019 08:36
Operator : JC/SP
Sample : K2901-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 57 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-10D_R2

Quant Time: May 20 04:16:40 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	168125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103282	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115158	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	83677	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	8.71	98	341228	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	114013	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	

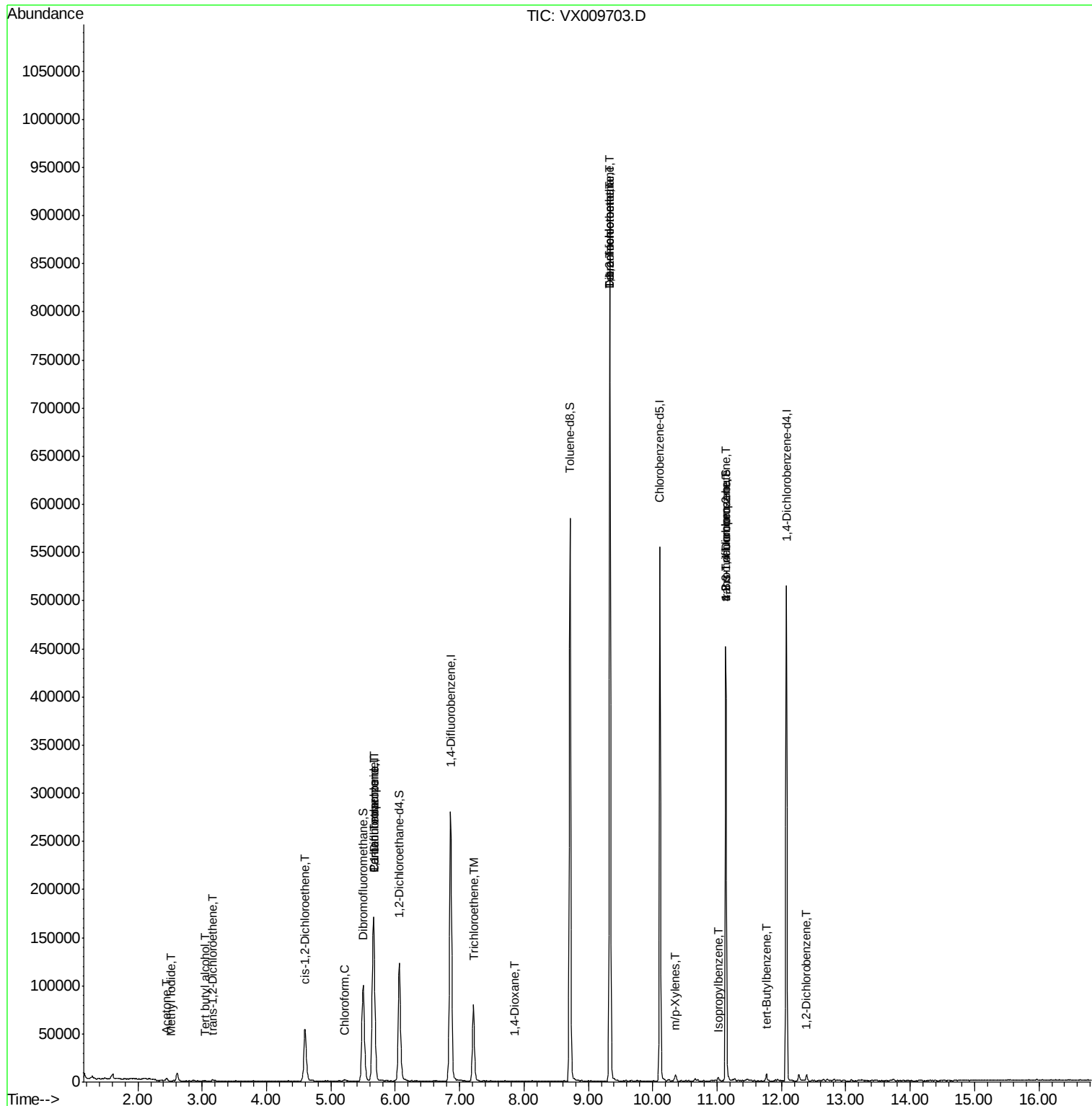
Target Compounds			Qvalue			
10) Methyl Iodide	2.51	142	21	4.604	ug/l #	42
11) Tert butyl alcohol	3.05	59	367	0.691	ug/l #	78
16) Acetone	2.45	43	2934	2.381	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	397	0.232	ug/l #	62
27) cis-1,2-Dichloroethene	4.60	96	33690	16.498	ug/l	91
28) Bromochloromethane	5.02	49	41	Below Cal	#	20
30) Chloroform	5.21	83	1413	0.428	ug/l	88
36) 1,1-Dichloropropene	5.67	75	13247	5.241	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16430	7.154	ug/l #	15
44) Trichloroethene	7.21	130	30855	16.315	ug/l	99
49) 1,4-Dioxane	7.85	88	20	0.353	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	1554	0.801	ug/l #	1
60) Dibromochloromethane	9.34	129	165237	87.207	ug/l #	11
64) Tetrachloroethene	9.34	164	179476	108.292	ug/l	98
68) m/p-Xylenes	10.35	106	1271	0.391	ug/l	97
73) Isopropylbenzene	11.02	105	1735	0.231	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	59411	24.798	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59411	63.450	ug/l #	10
83) tert-Butylbenzene	11.77	119	2475	0.402	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	2138	0.632	ug/l	98

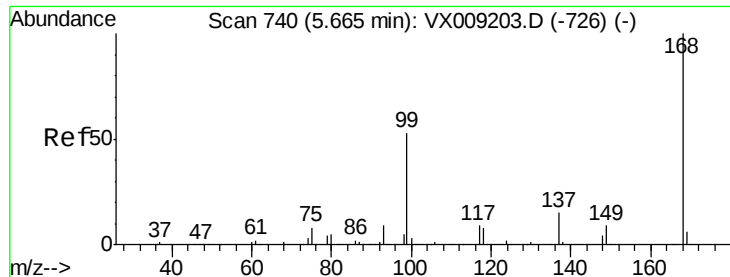
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

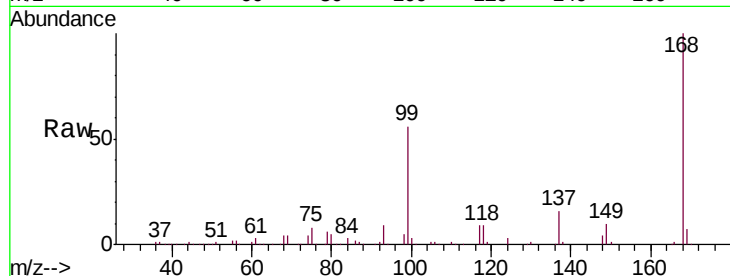
MW-10D_R2

Tgt Ion:168 Resp: 168125

Ion Ratio Lower Upper

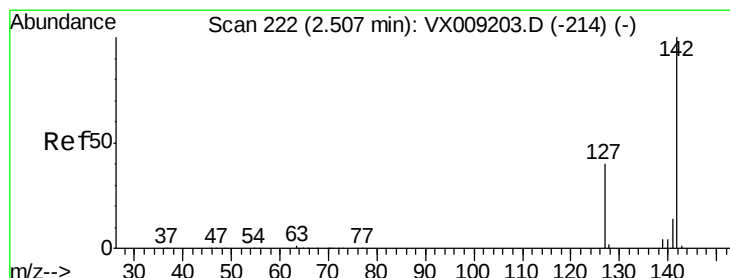
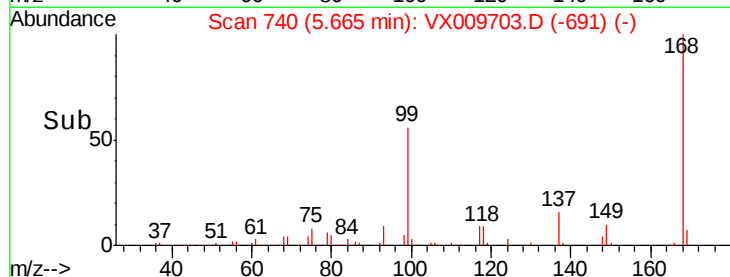
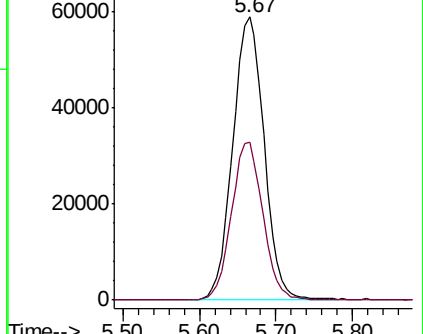
168 100

99 55.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 4.604 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

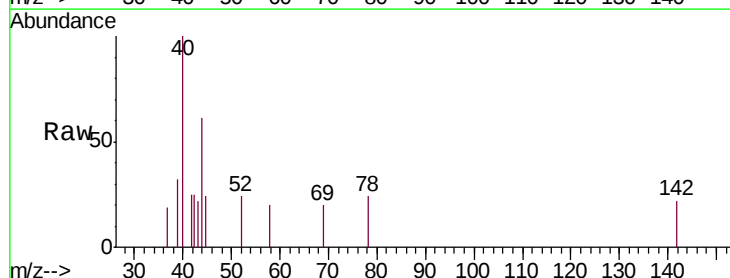
Tgt Ion:142 Resp: 21

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

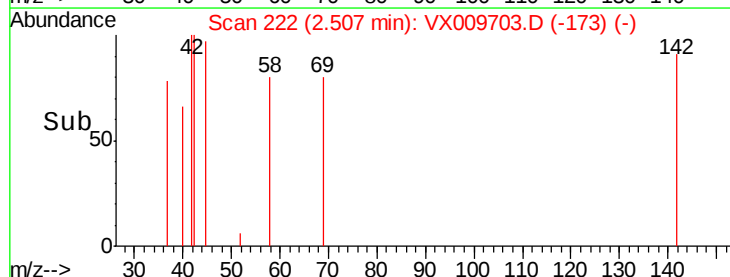
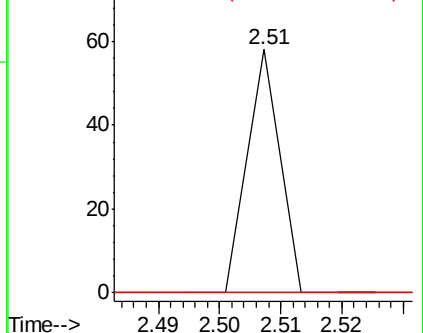
141 0.0 11.5 17.3#

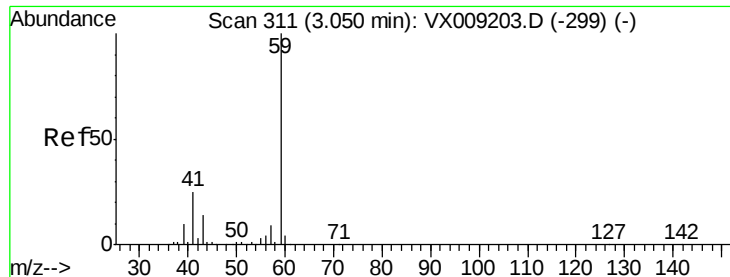


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

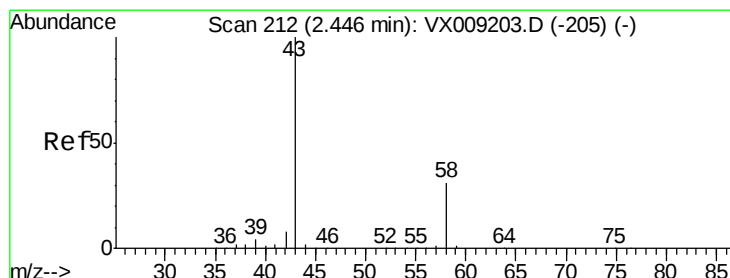
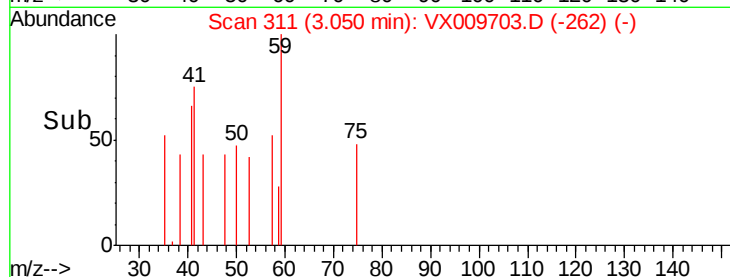
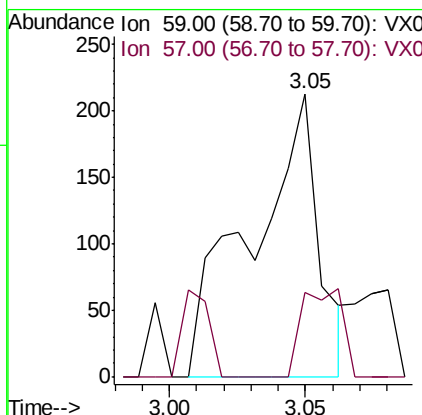
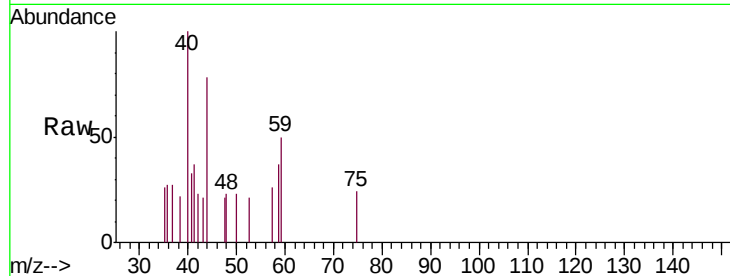




#11
Tert butyl alcohol
Concen: 0.691 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

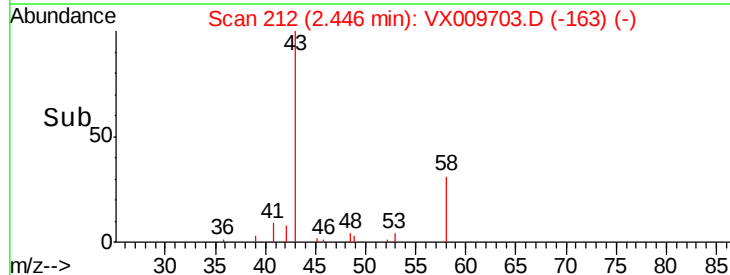
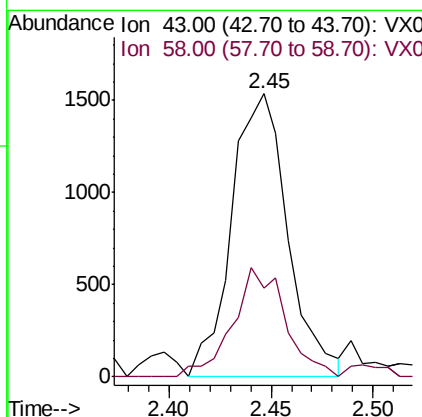
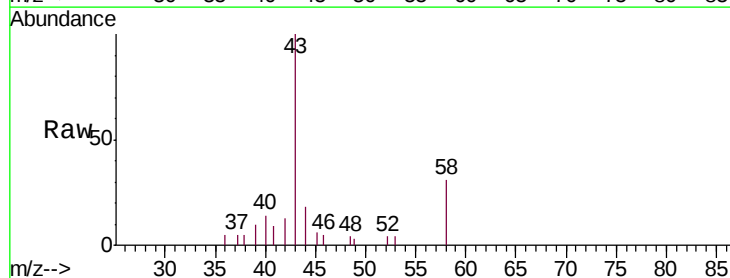
Instrument :
MSVOA_X
ClientSampleId :
MW-10D_R2

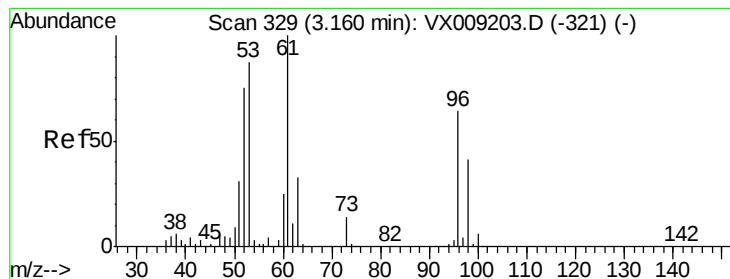
Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 18.5 8.2 12.2#



#16
Acetone
Concen: 2.381 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

Tgt Ion: 43 Resp: 2934
Ion Ratio Lower Upper
43 100
58 31.3 24.9 37.3





#21

trans-1,2-Dichloroethene

Concen: 0.232 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

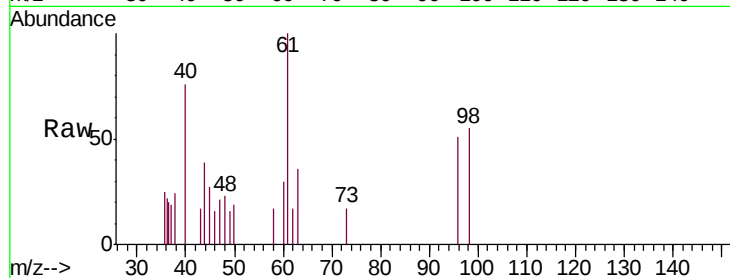
Tgt Ion: 96 Resp: 397

Ion Ratio Lower Upper

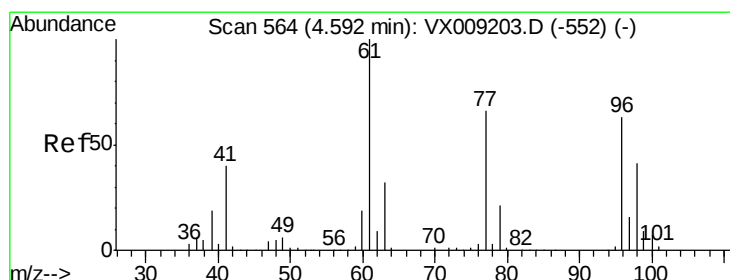
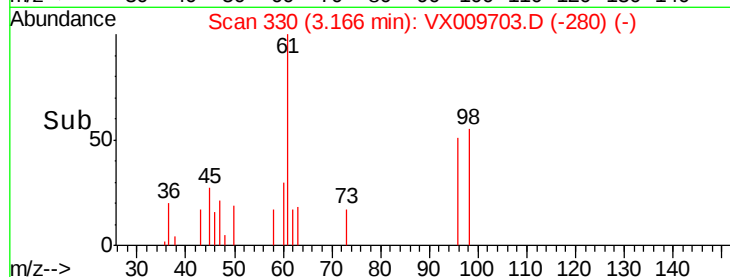
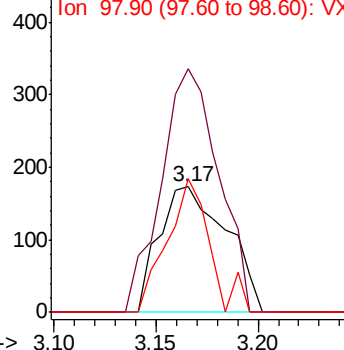
96 100

61 194.2 124.5 186.7#

98 106.9 50.4 75.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 16.498 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

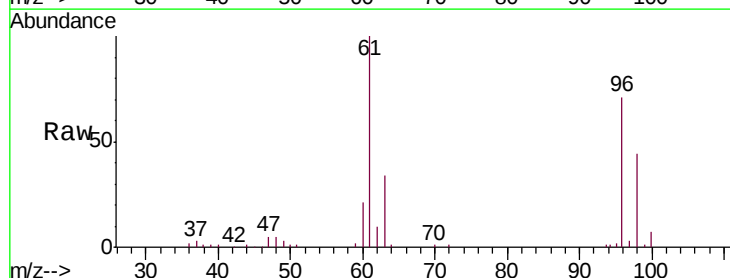
Tgt Ion: 96 Resp: 33690

Ion Ratio Lower Upper

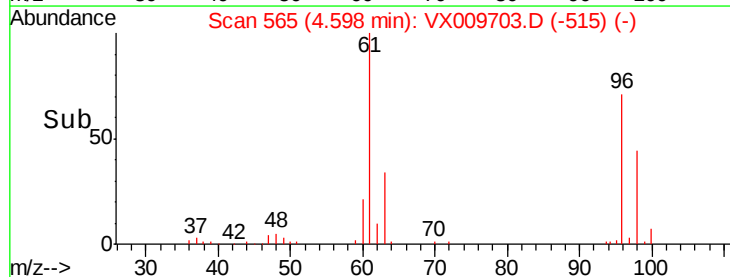
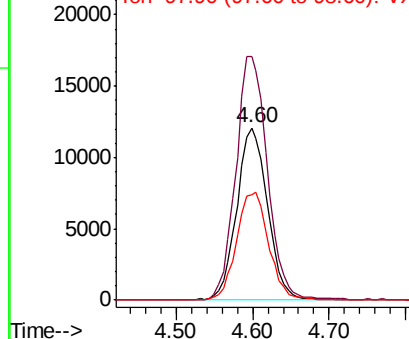
96 100

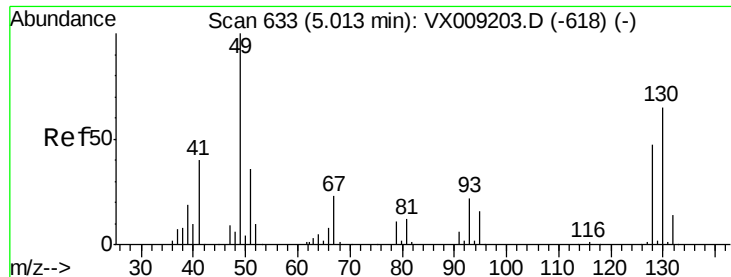
61 144.8 0.0 324.0

98 65.0 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

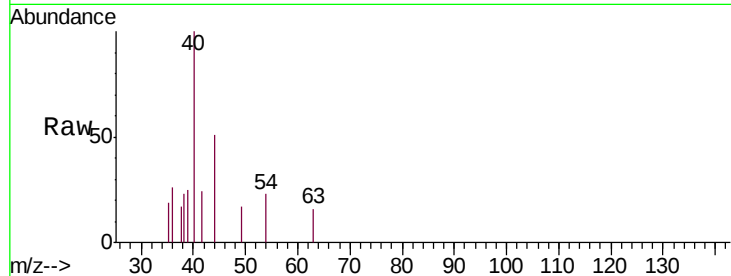
Tgt Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

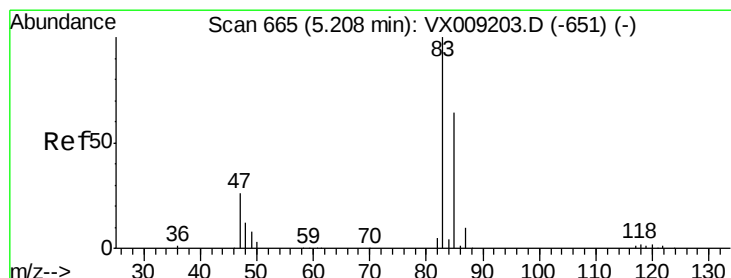
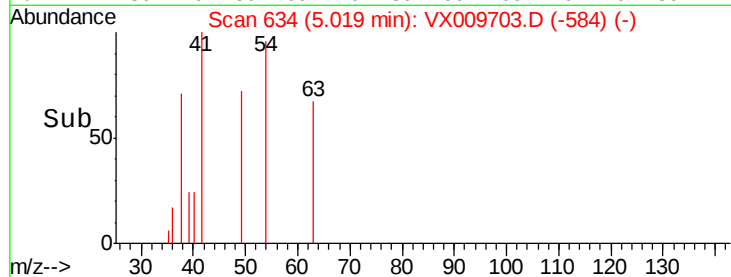
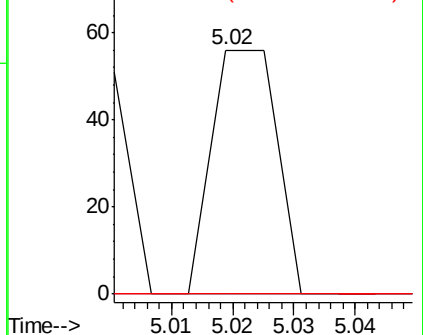
130 0.0 51.2 76.8#



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



#30

Chloroform

Concen: 0.428 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009703.D

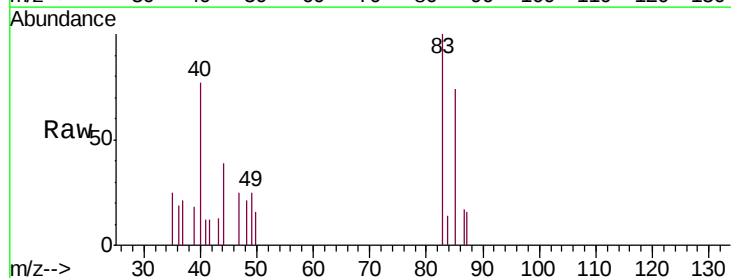
Acq: 18 May 2019 08:36

Tgt Ion: 83 Resp: 1413

Ion Ratio Lower Upper

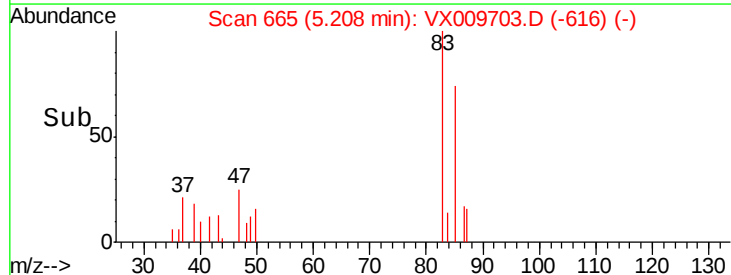
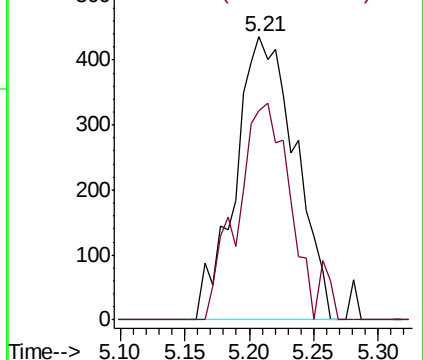
83 100

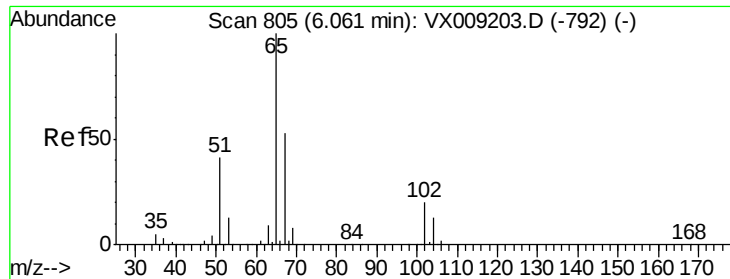
85 74.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

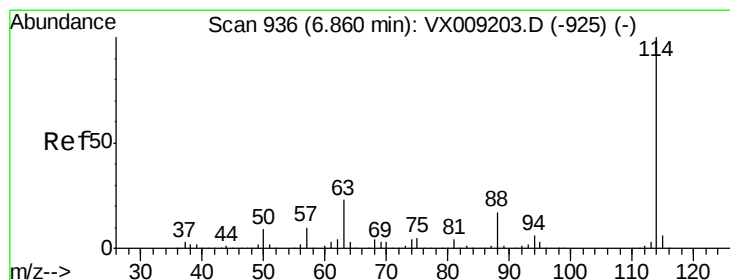
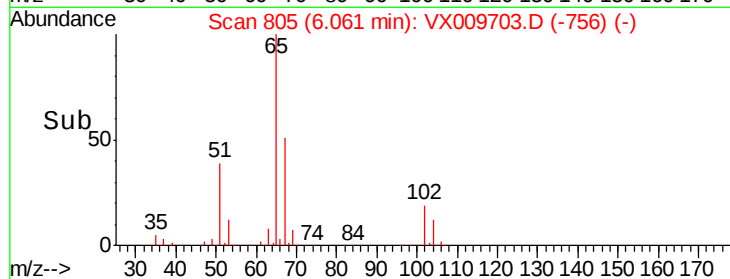
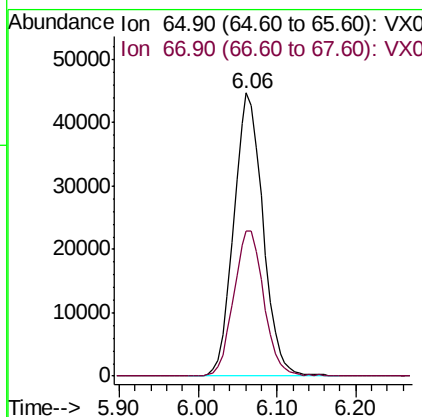
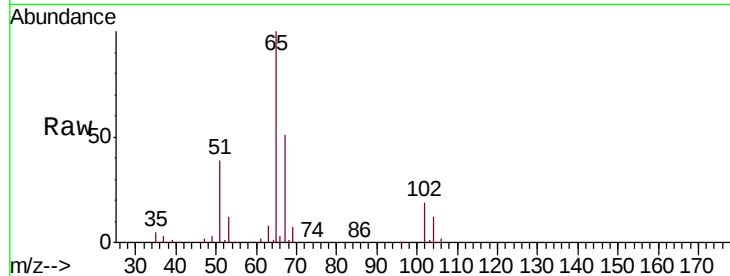




#33
 1,2-Dichloroethane-d4
 Concen: 50.175 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009703.D
 Acq: 18 May 2019 08:36

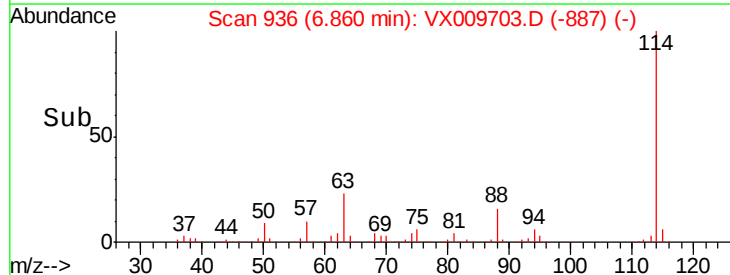
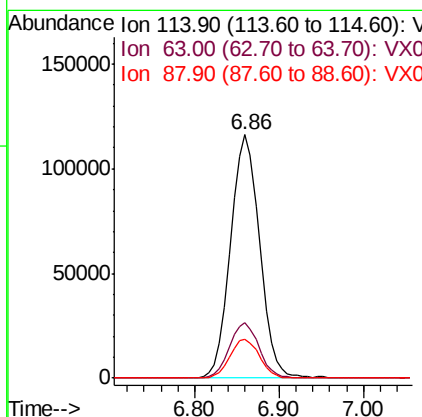
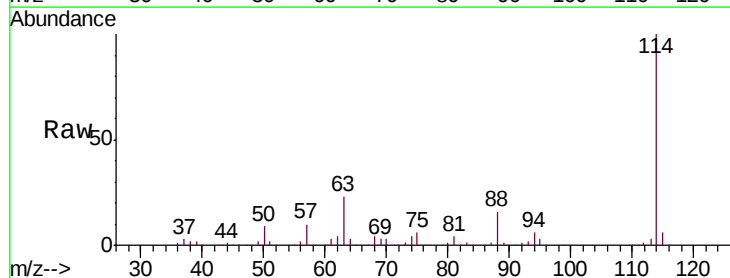
Instrument :
 MSVOA_X
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 MW-10D_R2

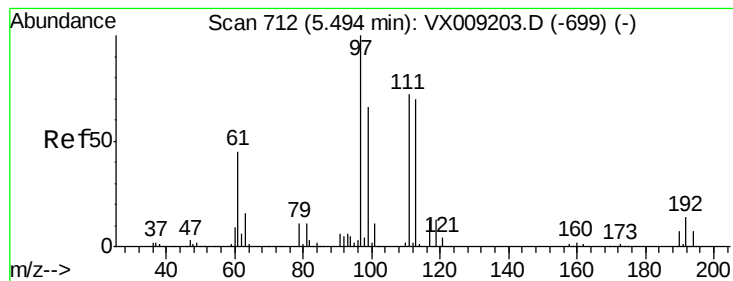
Tgt Ion: 65 Resp: 115158
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009703.D
 Acq: 18 May 2019 08:36

Tgt Ion: 114 Resp: 271995
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.938 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

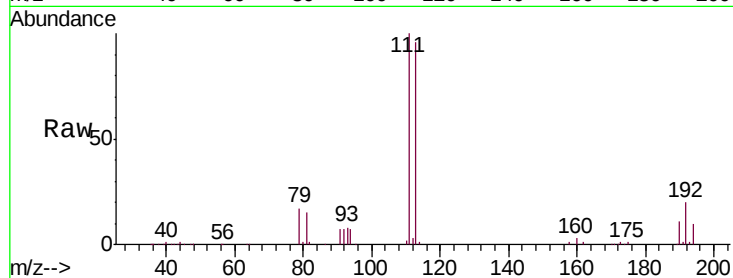
Tgt Ion:113 Resp: 83677

Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

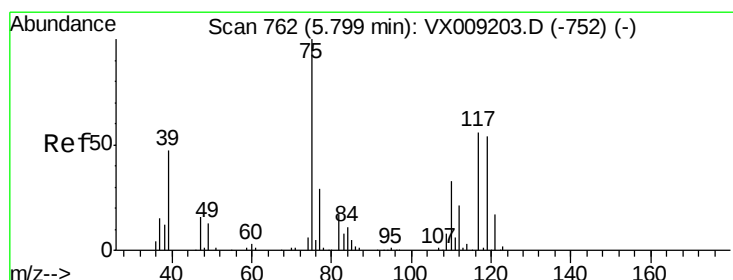
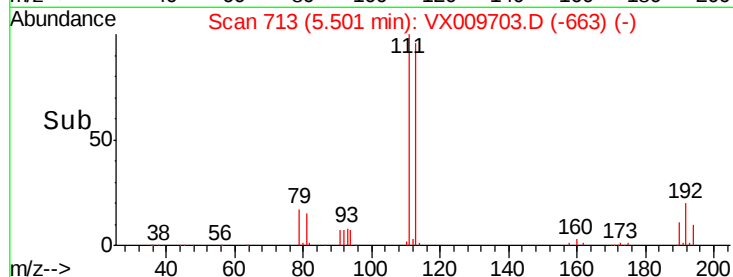
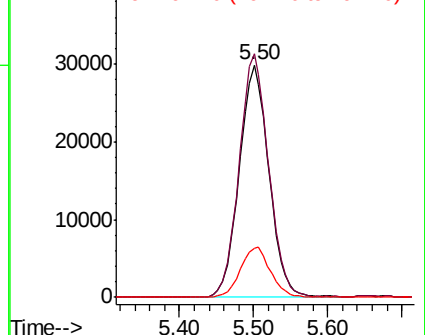
192 21.9 17.0 25.6



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: 5.241 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

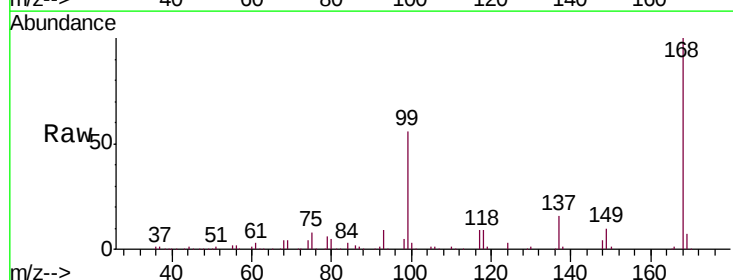
Tgt Ion: 75 Resp: 13247

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.6#

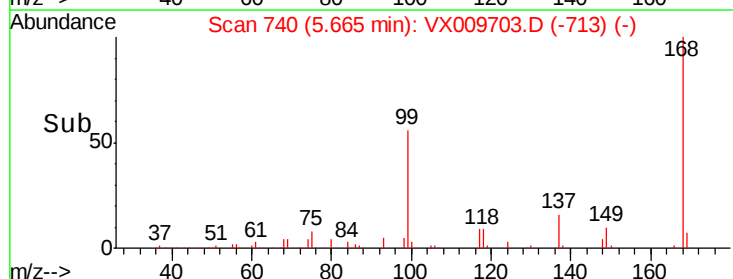
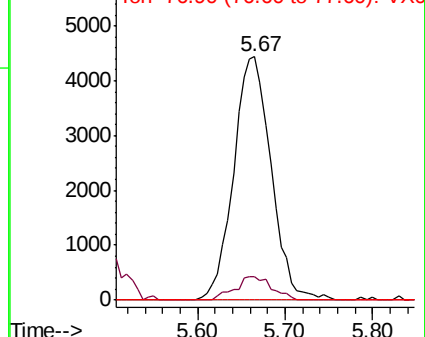
77 0.0 24.8 37.2#

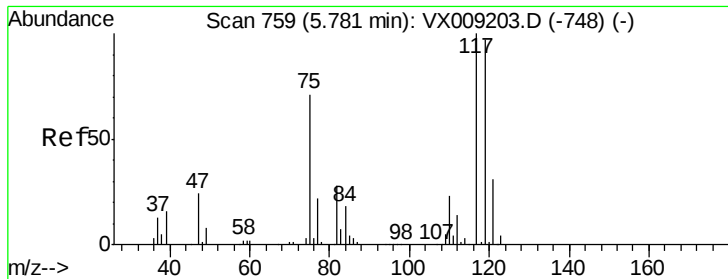


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.154 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

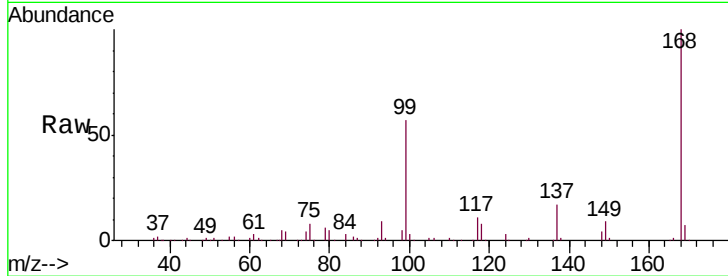
Tgt Ion:117 Resp: 16430

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

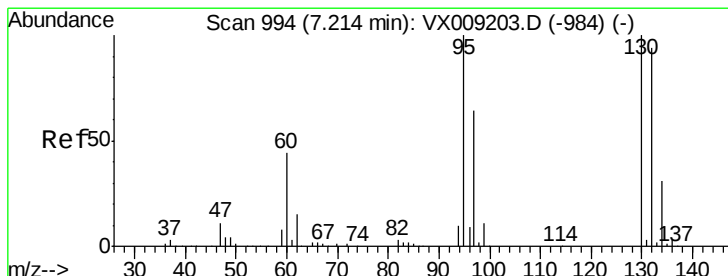
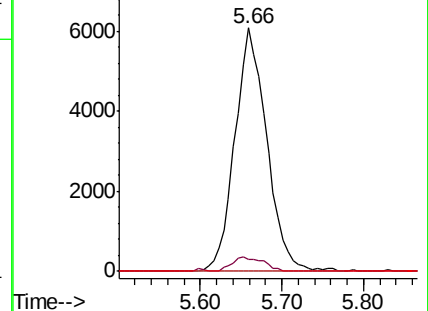
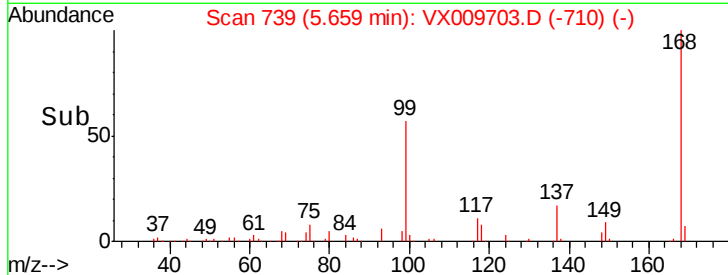
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 16.315 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009703.D

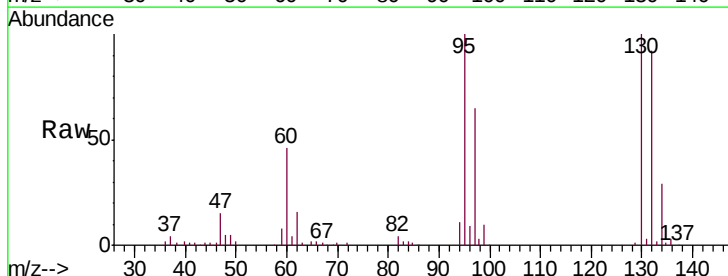
Acq: 18 May 2019 08:36

Tgt Ion:130 Resp: 30855

Ion Ratio Lower Upper

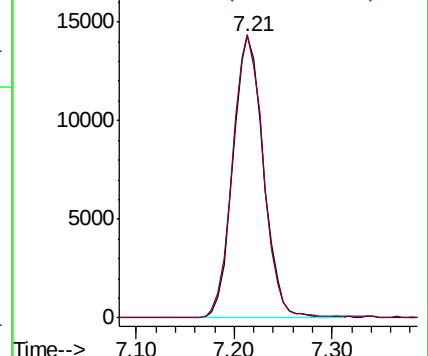
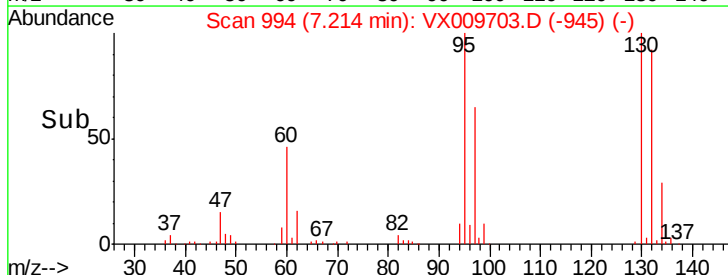
130 100

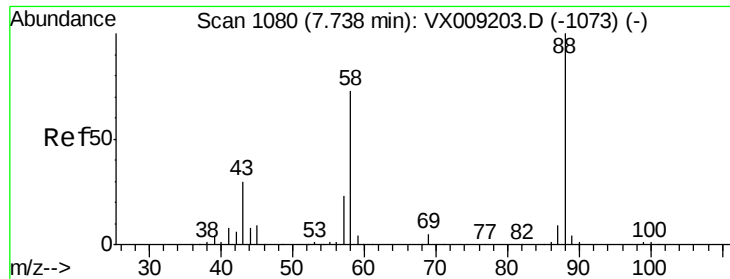
95 100.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

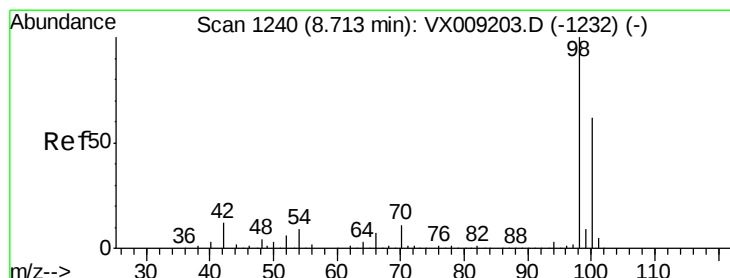
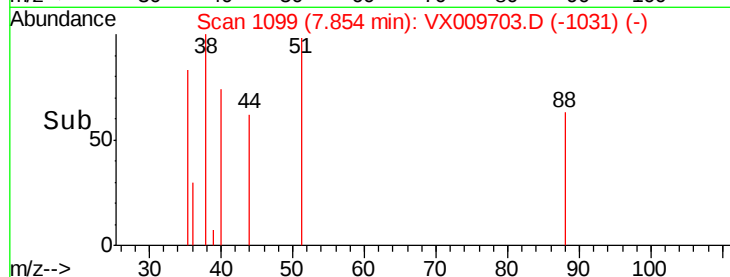
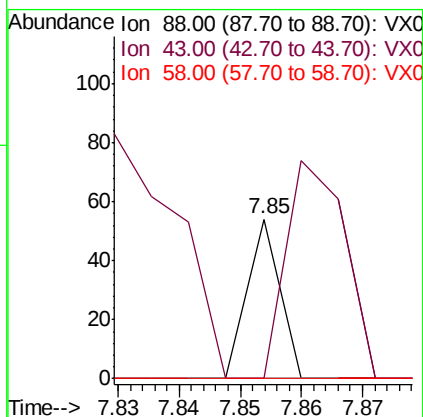
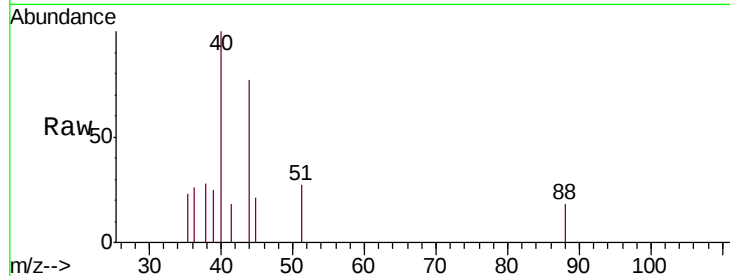




#49
1,4-Dioxane
Concen: 0.353 ug/l
RT: 7.85 min Scan# 1099
Delta R.T. 0.12 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

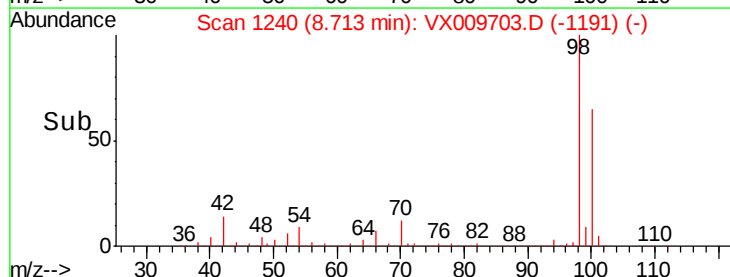
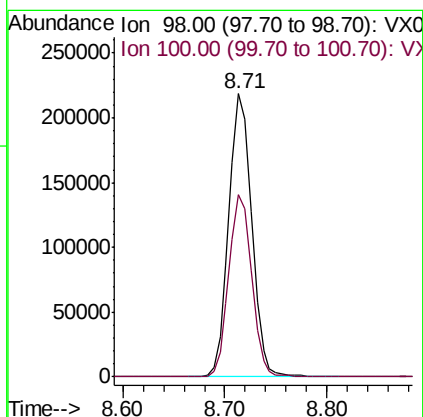
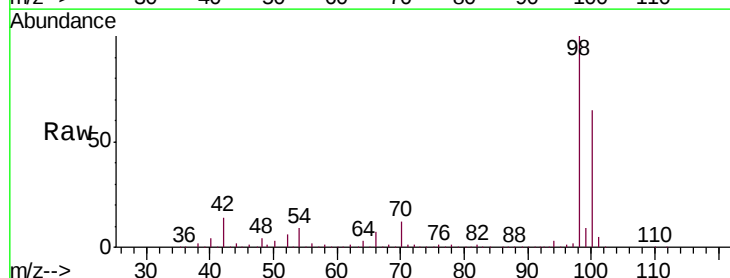
Instrument :
MSVOA_X
ClientSampled :
MW-10D_R2

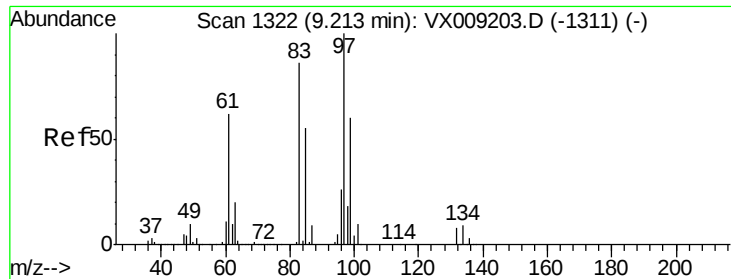
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 245.0 28.6 42.8#
58 0.0 61.7 92.5#



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

Tgt Ion: 98 Resp: 341228
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 0.801 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampled :

MW-10D_R2

Tgt Ion: 97 Resp: 1554

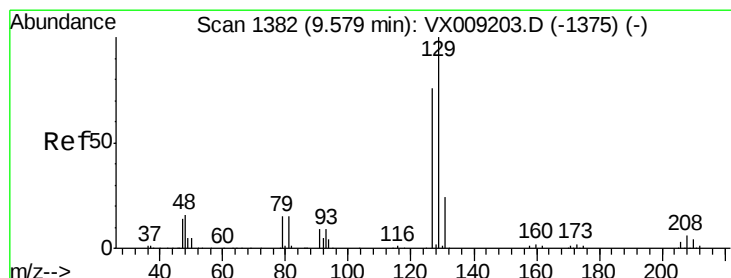
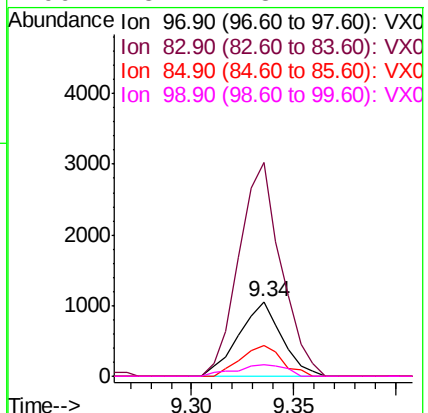
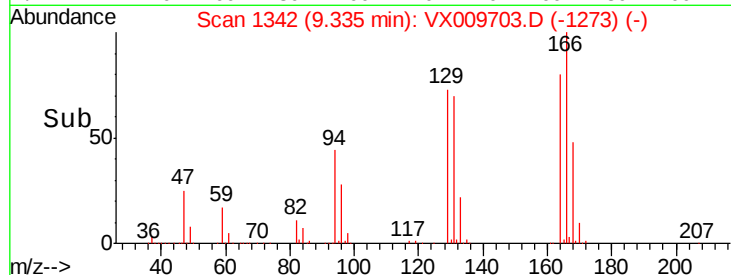
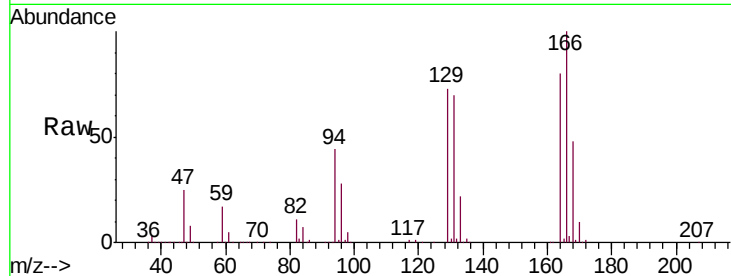
Ion Ratio Lower Upper

97 100

83 286.9 68.9 103.3#

85 41.8 43.8 65.6#

99 15.7 48.2 72.2#



#60

Dibromochloromethane

Concen: 87.207 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009703.D

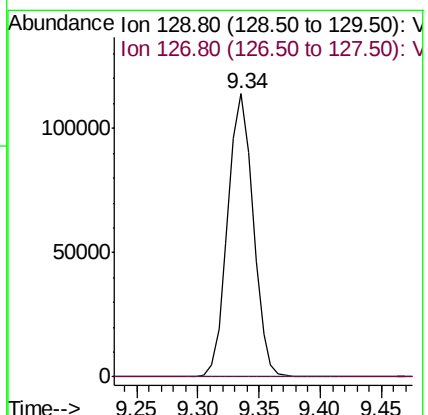
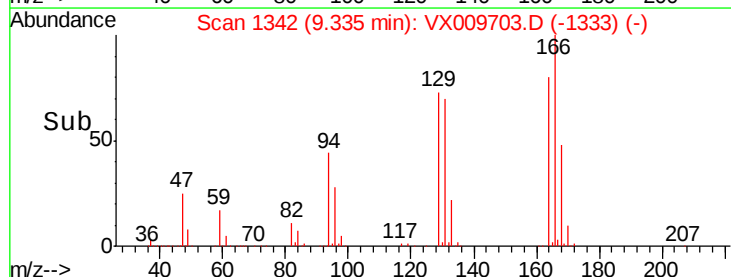
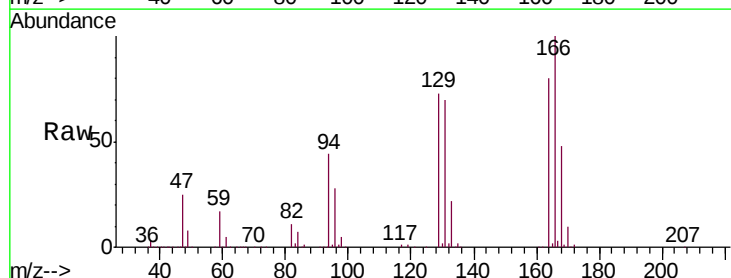
Acq: 18 May 2019 08:36

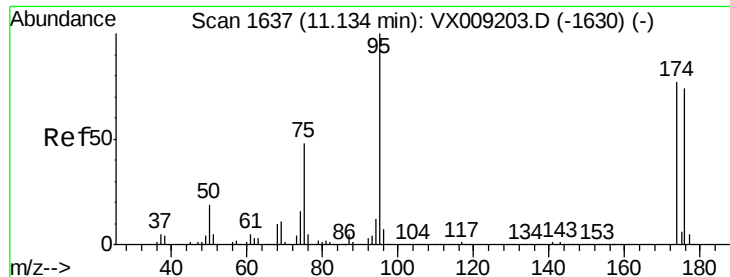
Tgt Ion: 129 Resp: 165237

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.453 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

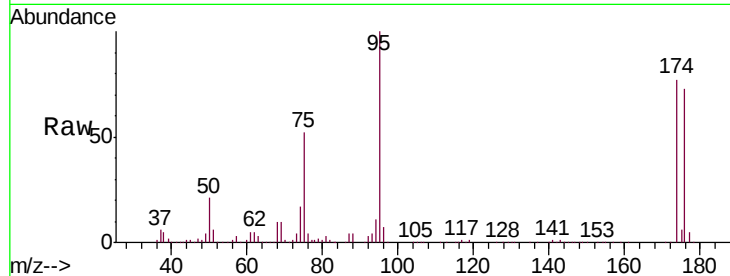
Tgt Ion: 95 Resp: 114013

Ion Ratio Lower Upper

95 100

174 82.6 0.0 161.6

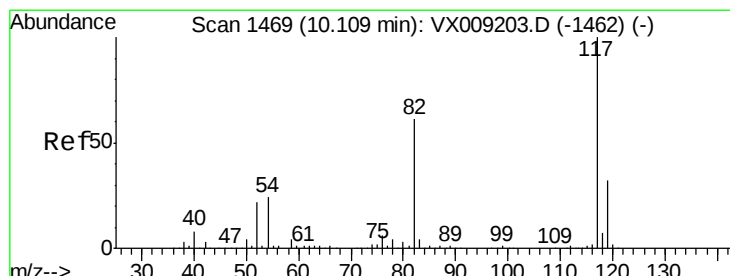
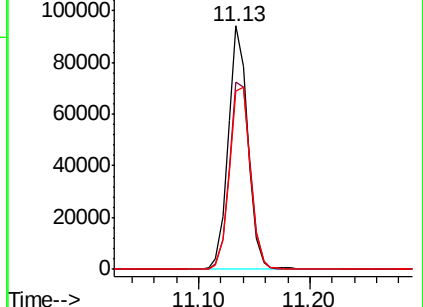
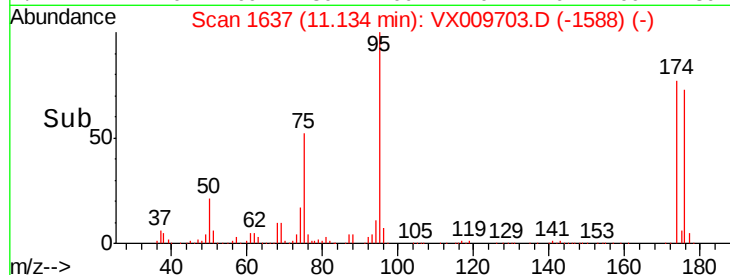
176 80.4 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009703.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009703.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009703.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

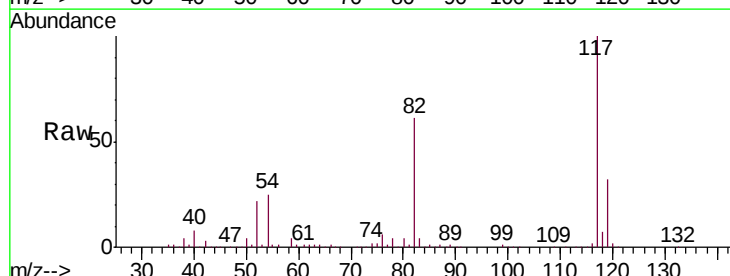
Tgt Ion: 117 Resp: 241609

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

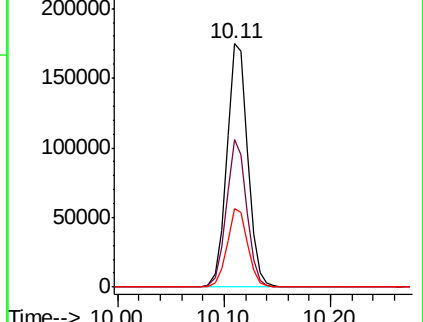
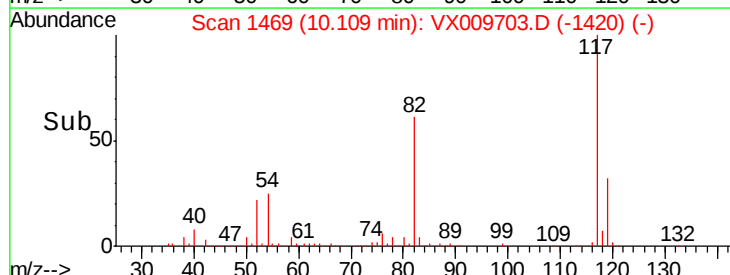
119 32.1 25.8 38.6

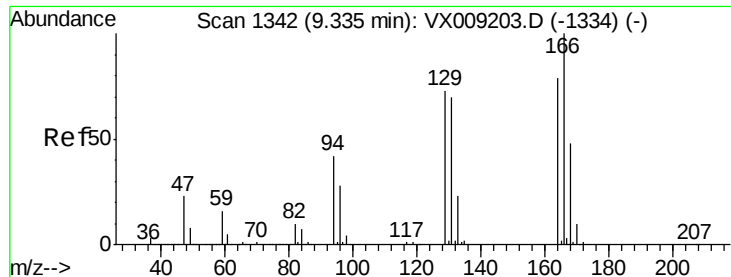


Abundance Ion 116.90 (116.60 to 117.60): VX009703.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009703.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009703.D (-1420) (-)

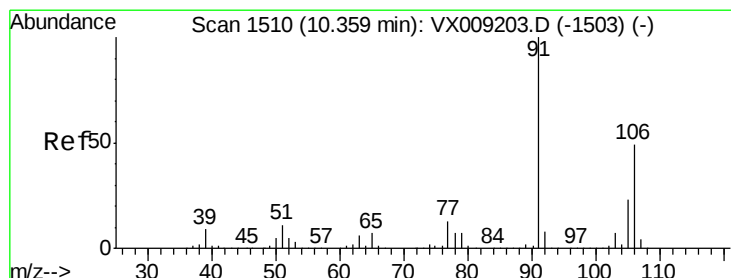
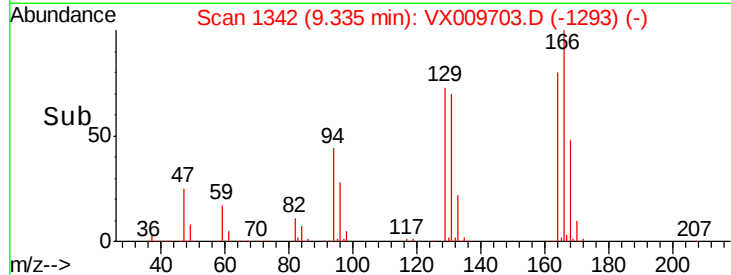
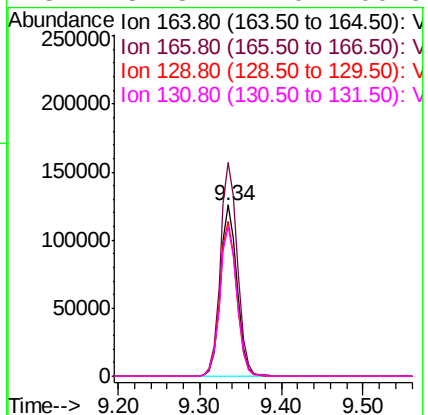
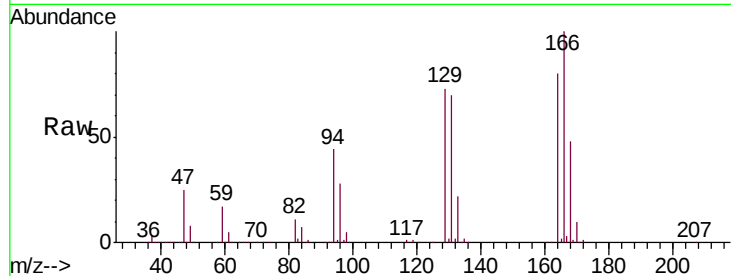




#64
Tetrachloroethene
Concen: 108.292 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

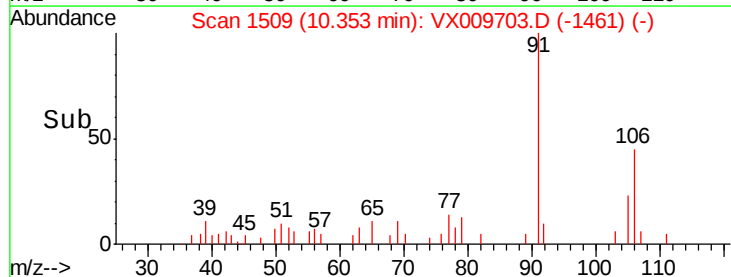
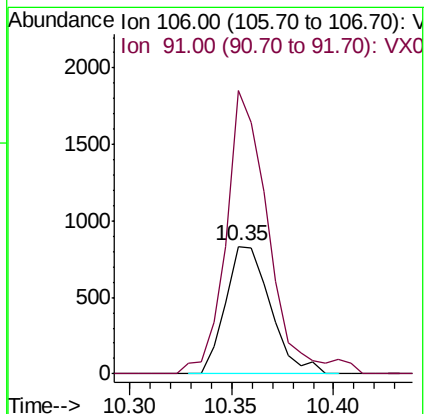
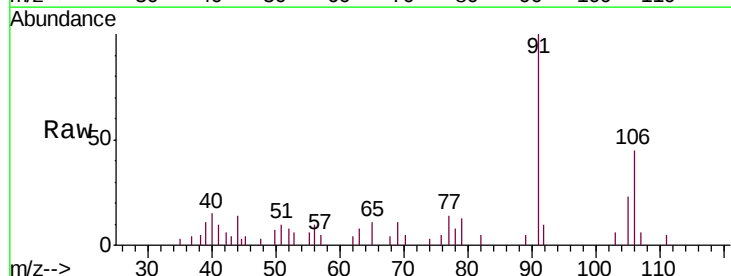
Instrument :
MSVOA_X
ClientSampleId :
MW-10D_R2

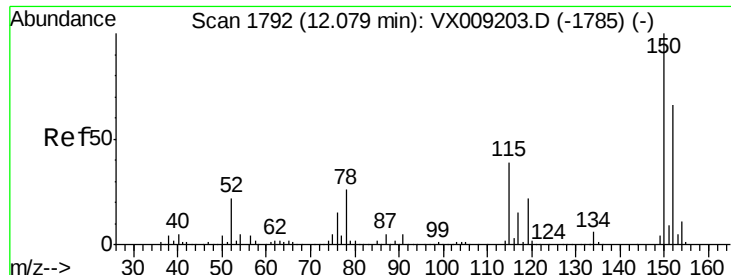
Tgt Ion:164 Resp: 179476
Ion Ratio Lower Upper
164 100
166 124.9 101.2 151.8
129 90.6 74.3 111.5
131 87.8 71.0 106.6



#68
m/p-Xylenes
Concen: 0.391 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009703.D
Acq: 18 May 2019 08:36

Tgt Ion:106 Resp: 1271
Ion Ratio Lower Upper
106 100
91 209.7 164.0 246.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampleId :

MW-10D_R2

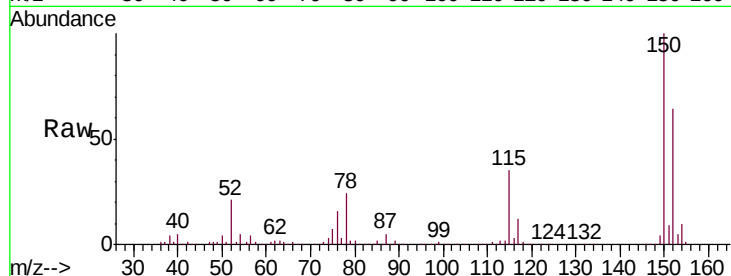
Tgt Ion:152 Resp: 103282

Ion Ratio Lower Upper

152 100

115 59.0 41.2 123.6

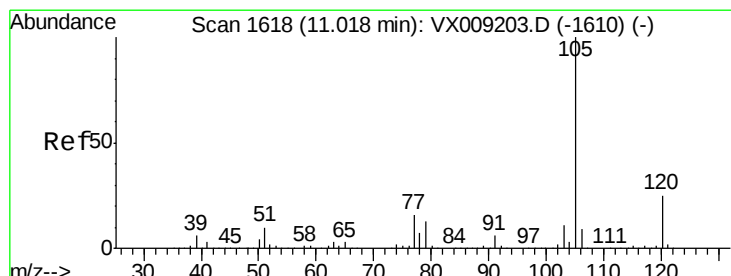
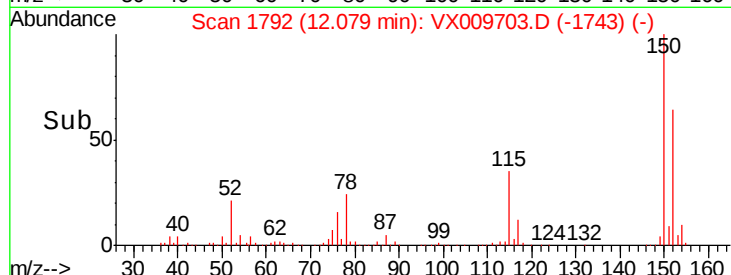
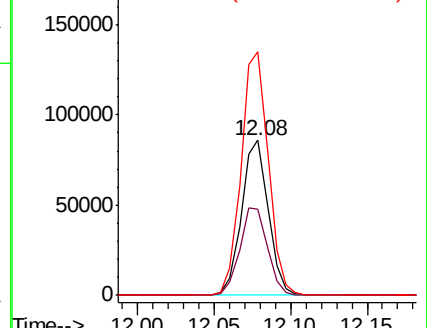
150 160.6 0.0 346.4



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



#73

Isopropylbenzene

Concen: 0.231 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009703.D

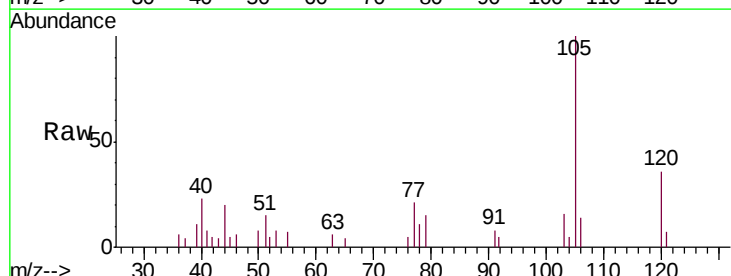
Acq: 18 May 2019 08:36

Tgt Ion:105 Resp: 1735

Ion Ratio Lower Upper

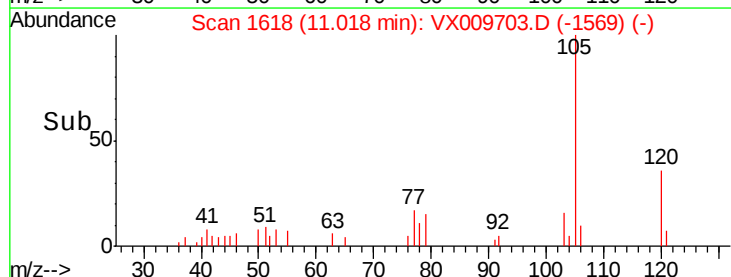
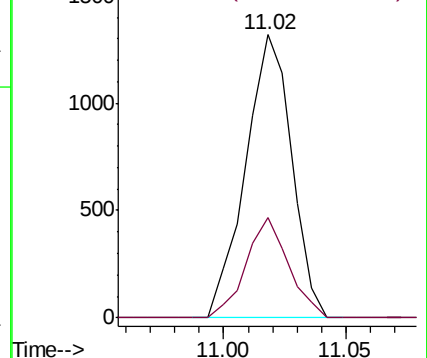
105 100

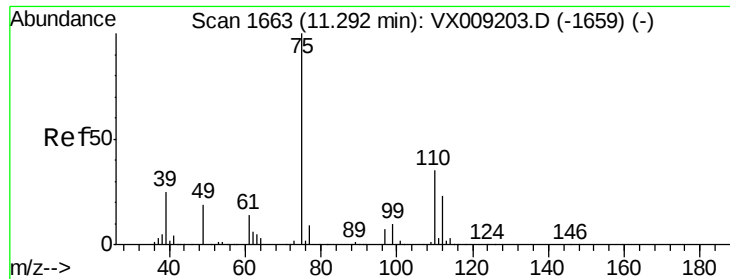
120 32.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.798 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

Instrument :

MSVOA_X

ClientSampled :

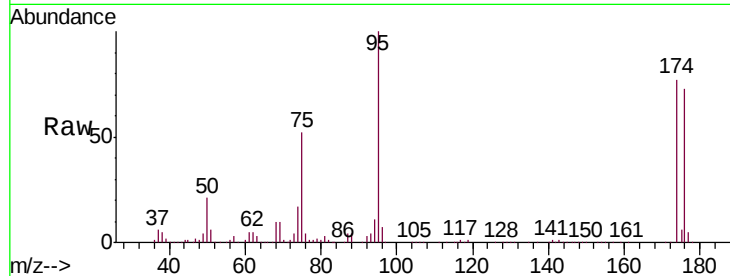
MW-10D_R2

Tgt Ion: 75 Resp: 59411

Ion Ratio Lower Upper

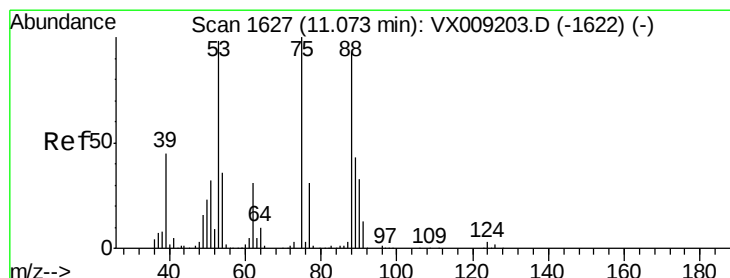
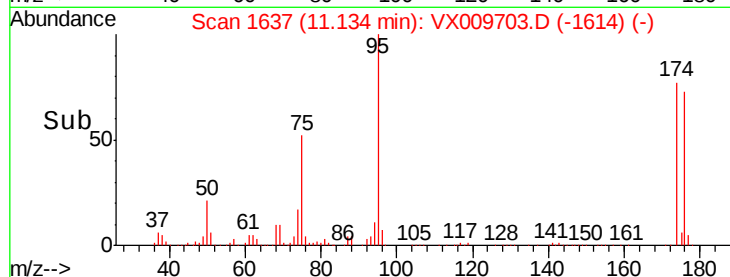
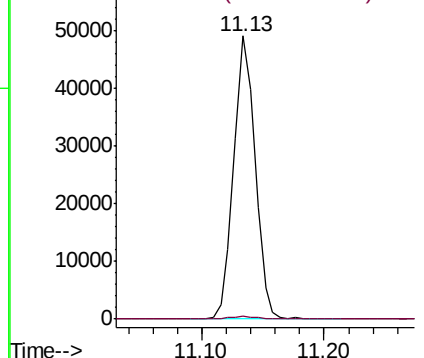
75 100

77 1.3 22.1 66.1#



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: 63.450 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009703.D

Acq: 18 May 2019 08:36

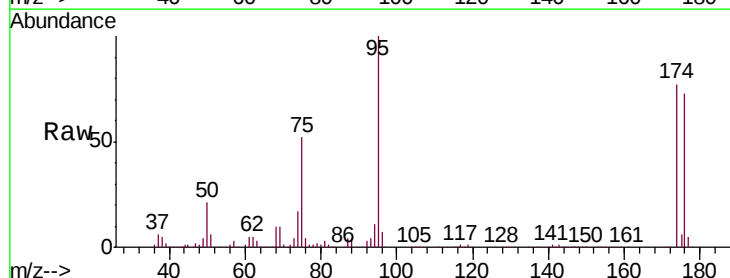
Tgt Ion: 75 Resp: 59411

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

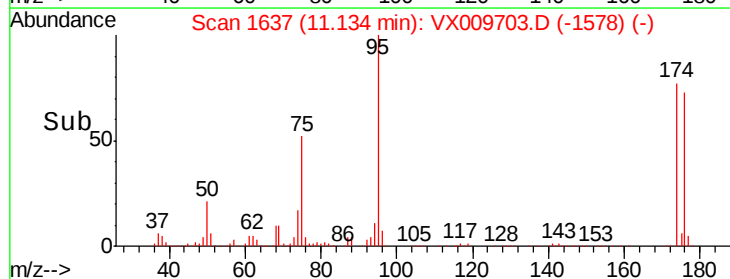
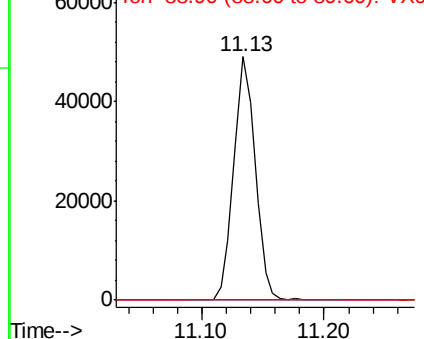
89 0.0 34.7 52.1#

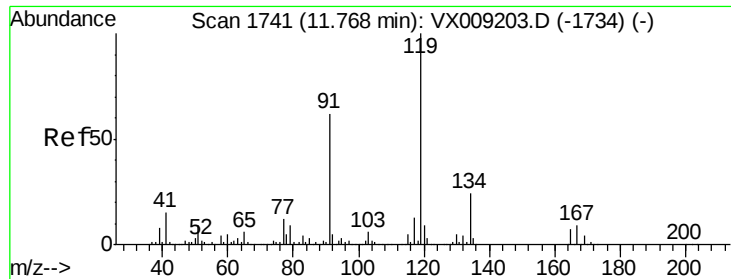


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

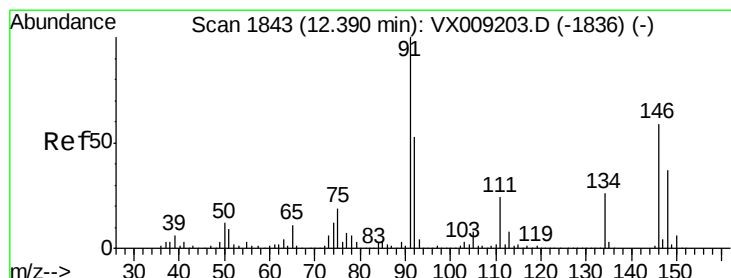
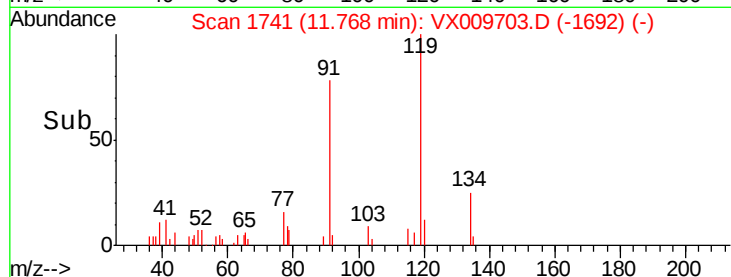
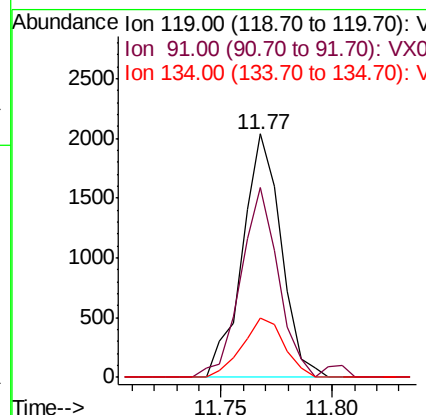
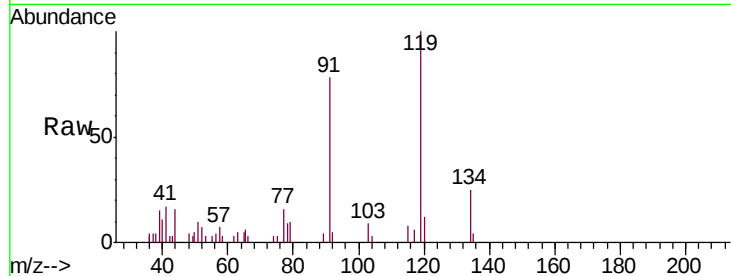




#83
 tert-Butylbenzene
 Concen: 0.402 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009703.D
 Acq: 18 May 2019 08:36

Instrument :
 MSVOA_X
 ClientSampled :
 MW-10D_R2

Tgt Ion:119 Resp: 2475
 Ion Ratio Lower Upper
 119 100
 91 75.3 29.5 88.5
 134 26.3 11.4 34.1



#91
 1,2-Dichlorobenzene
 Concen: 0.632 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009703.D
 Acq: 18 May 2019 08:36

Tgt Ion:146 Resp: 2138
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.8 62.4
 148 65.1 31.9 95.9

