

Data File : VX009698.D
Acq On : 18 May 2019 06:39
Operator : JC/SP
Sample : K2901-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-10B_R2

Quant Time: May 20 04:15:13 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	168449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267469	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	113291	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	5.50	113	82498	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	8.71	98	334895	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.13	95	109279	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

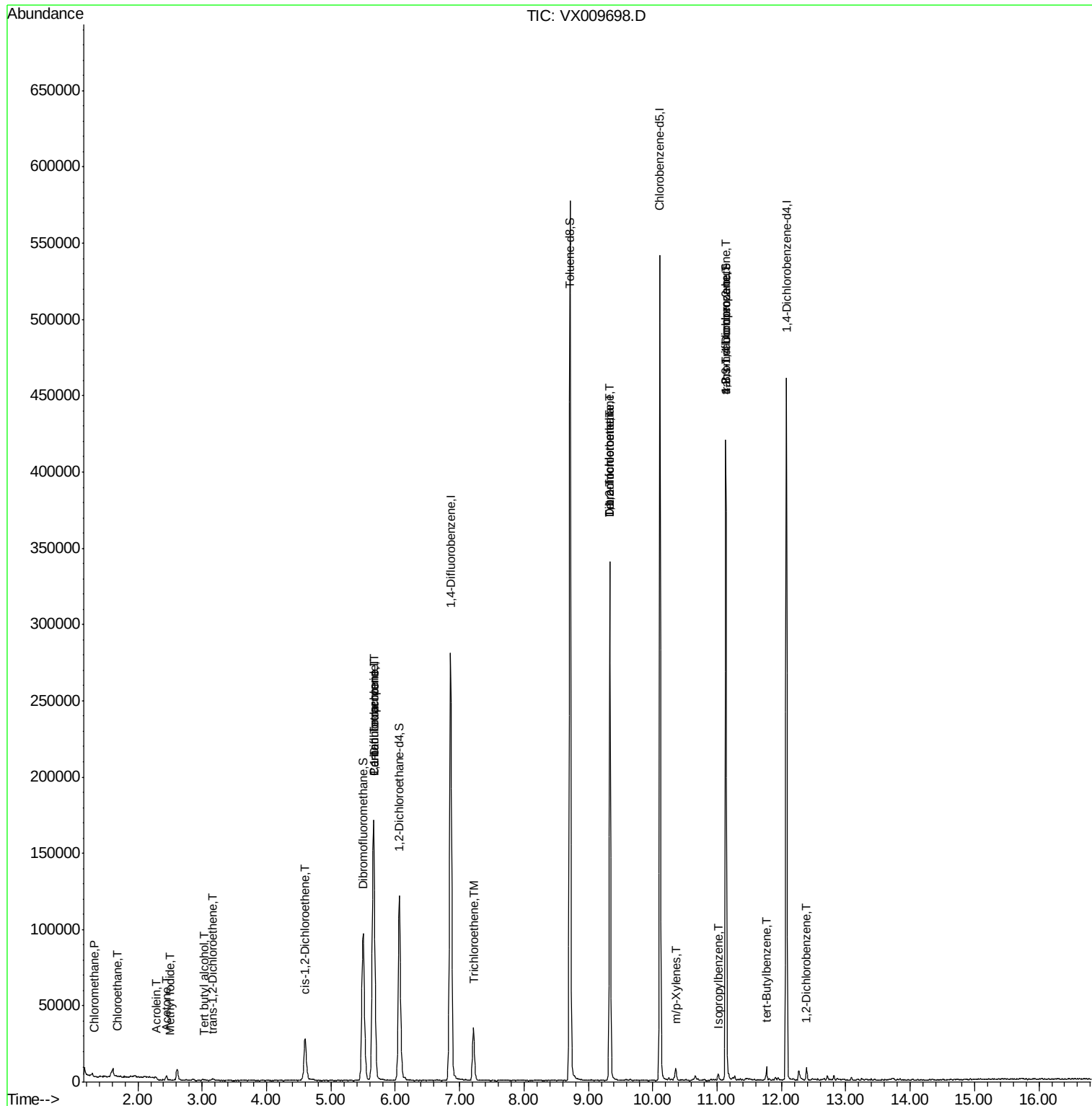
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	474	0.224	ug/l	99
6) Chloroethane	1.70	64	285	0.215	ug/l #	82
10) Methyl Iodide	2.51	142	101	4.644	ug/l #	42
11) Tert butyl alcohol	3.03	59	387	0.727	ug/l #	73
13) Acrolein	2.29	56	108	0.224	ug/l #	79
16) Acetone	2.45	43	3109	2.518	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	443	0.258	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	17221	8.417	ug/l	87
28) Bromochloromethane	5.01	49	115	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	13421	5.399	ug/l #	46
38) Carbon Tetrachloride	5.66	117	15735	6.967	ug/l #	16
44) Trichloroethene	7.22	130	13332	7.169	ug/l	98
55) 1,1,2-Trichloroethane	9.34	97	652	0.342	ug/l #	1
60) Dibromochloromethane	9.34	129	62841	33.727	ug/l #	11
64) Tetrachloroethene	9.34	164	67699	42.333	ug/l	100
68) m/p-Xylenes	10.36	106	1450	0.462	ug/l	92
73) Isopropylbenzene	11.02	105	1897	0.275	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	56269	25.609	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56269	65.525	ug/l #	10
83) tert-Butylbenzene	11.77	119	3124	0.554	ug/l	88
91) 1,2-Dichlorobenzene	12.39	146	2246	0.724	ug/l	97

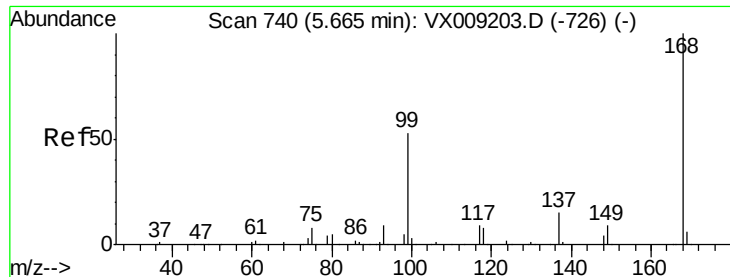
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

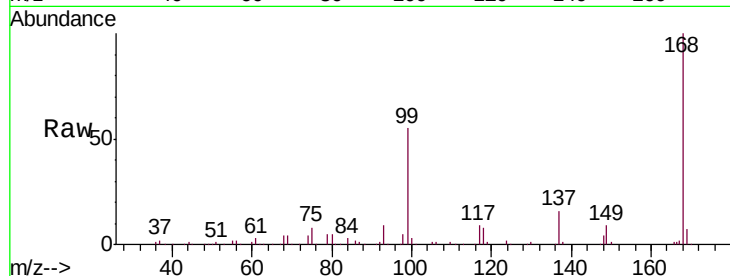
MW-10B_R2

Tgt Ion:168 Resp: 168449

Ion Ratio Lower Upper

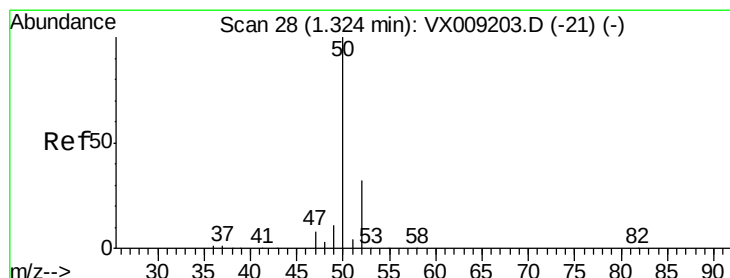
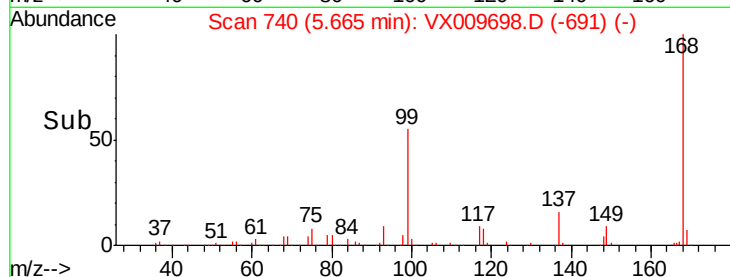
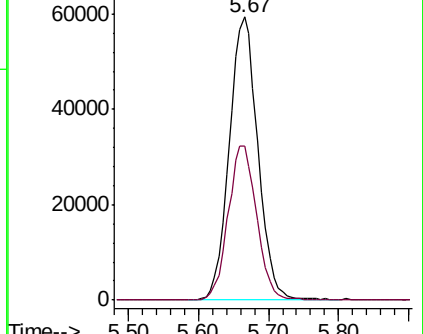
168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.224 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009698.D

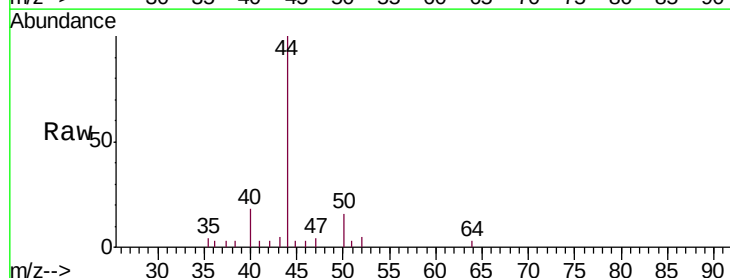
Acq: 18 May 2019 06:39

Tgt Ion: 50 Resp: 474

Ion Ratio Lower Upper

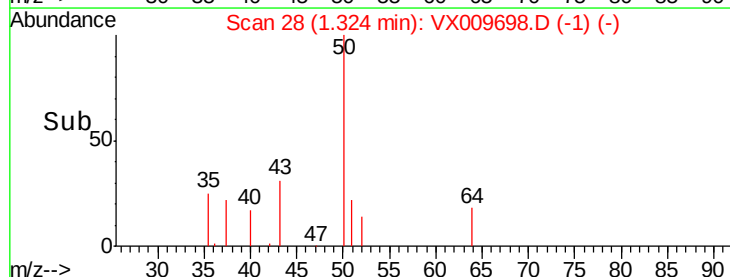
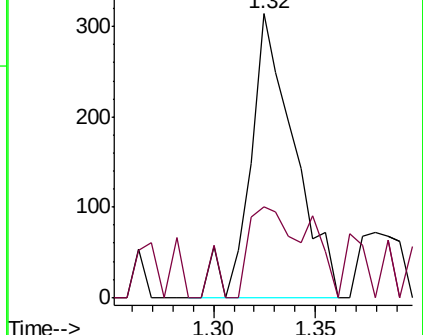
50 100

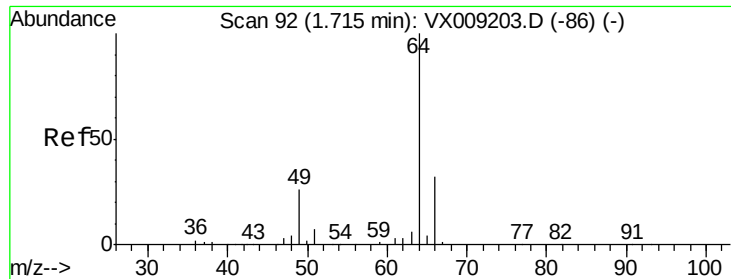
52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.215 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampled :

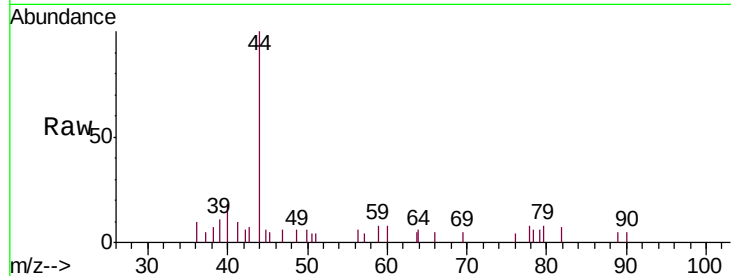
MW-10B_R2

Tgt Ion: 64 Resp: 285

Ion Ratio Lower Upper

64 100

66 41.5 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

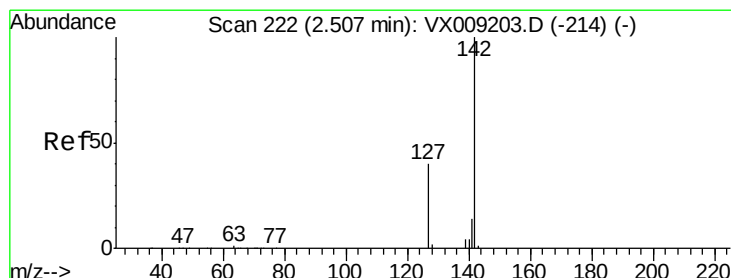
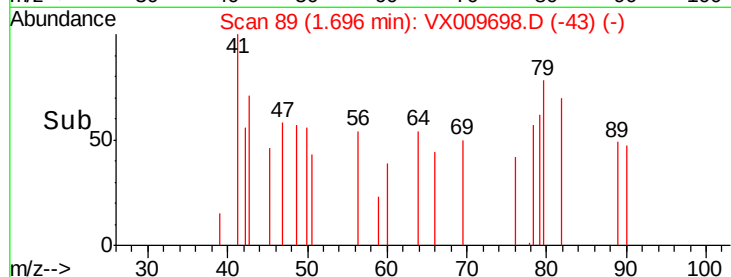
1.70

100

50

0

Time-->



#10

Methyl Iodide

Concen: 4.644 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

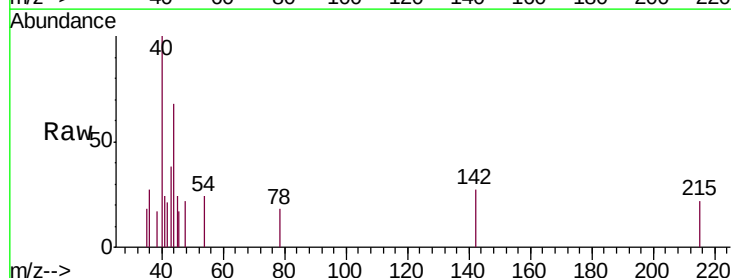
Tgt Ion: 142 Resp: 101

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

2.51

100

80

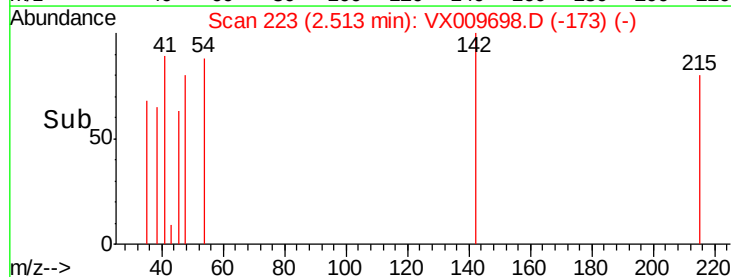
60

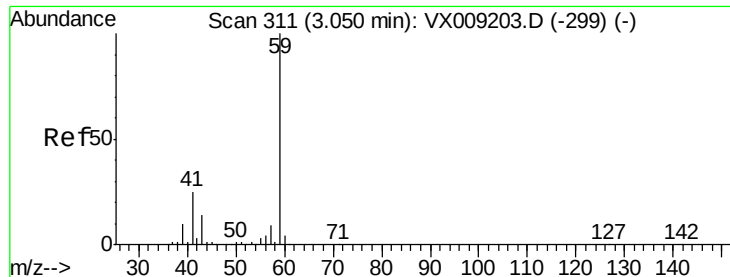
40

20

0

Time-->

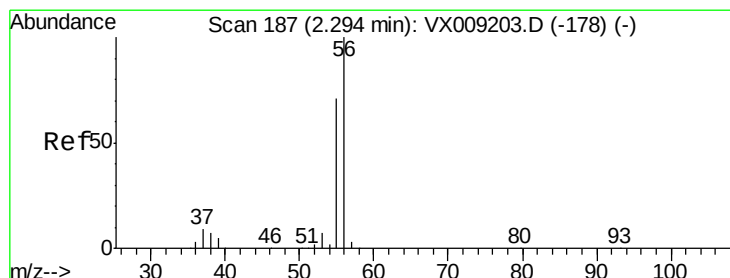
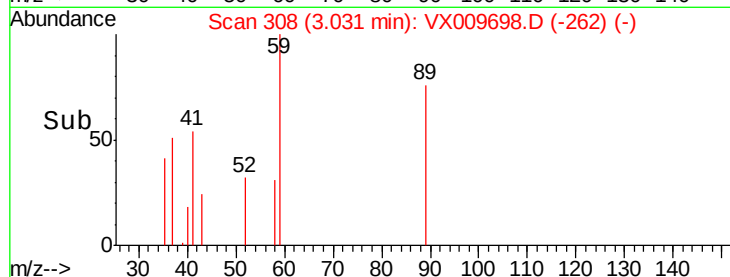
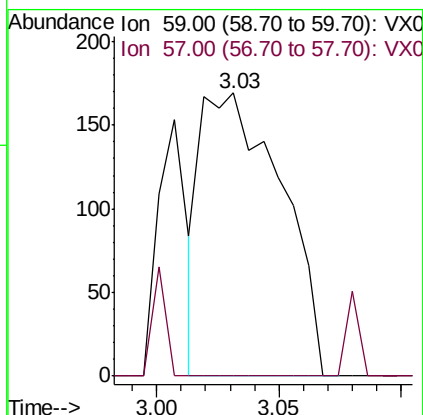
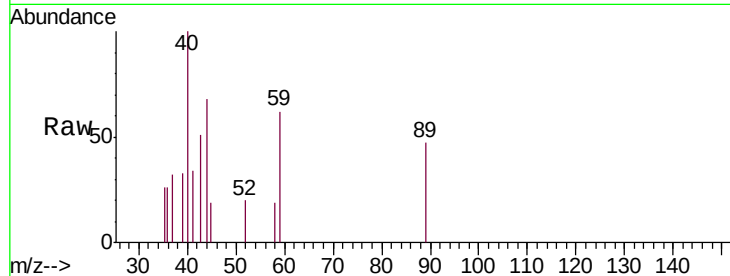




#11
Tert butyl alcohol
Concen: 0.727 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

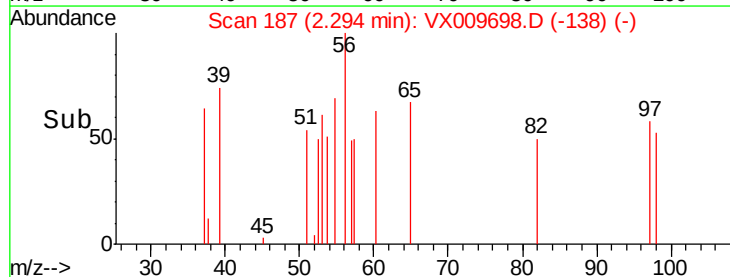
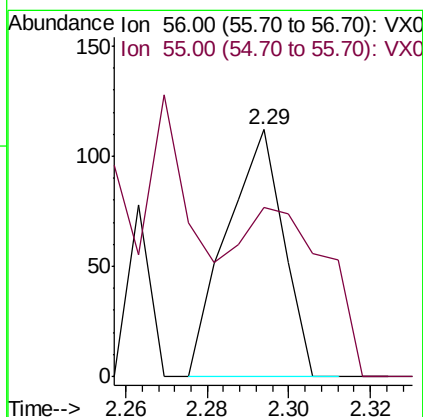
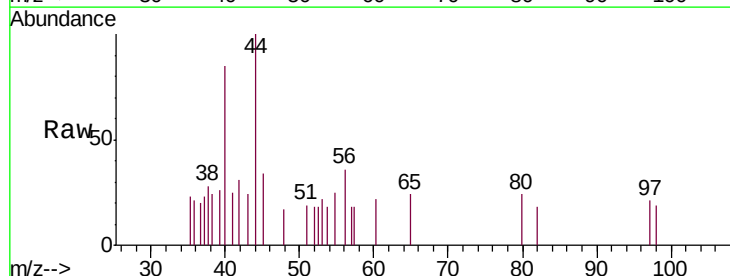
Instrument :
MSVOA_X
ClientSampleId :
MW-10B_R2

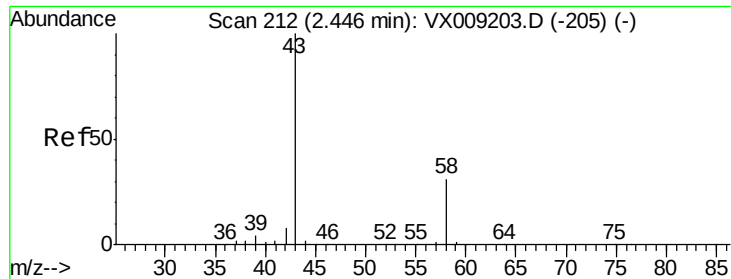
Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.224 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 88.0 56.6 85.0#





#16

Acetone

Concen: 2.518 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

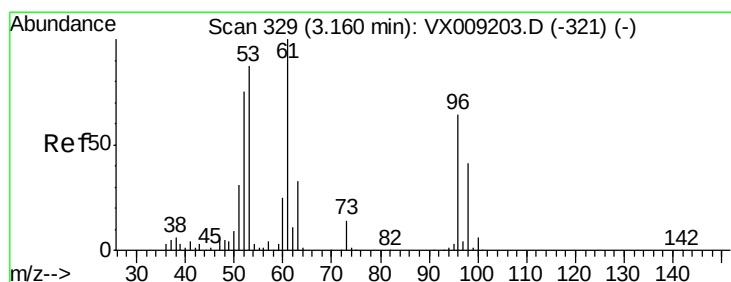
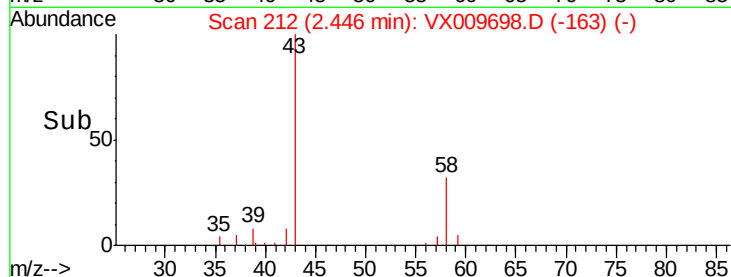
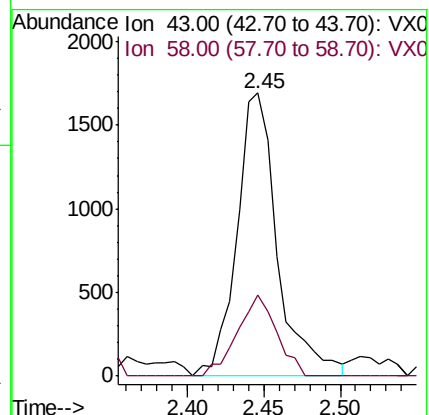
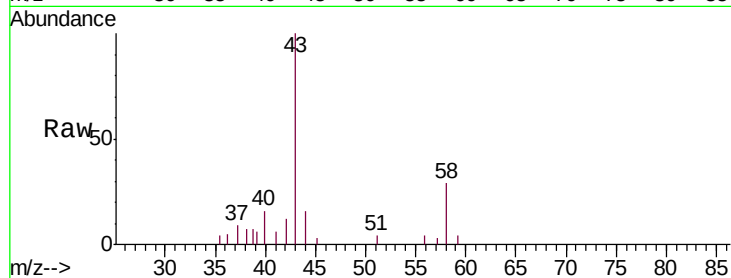
MW-10B_R2

Tgt Ion: 43 Resp: 3109

Ion Ratio Lower Upper

43 100

58 28.7 24.9 37.3



#21

trans-1,2-Dichloroethene

Concen: 0.258 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

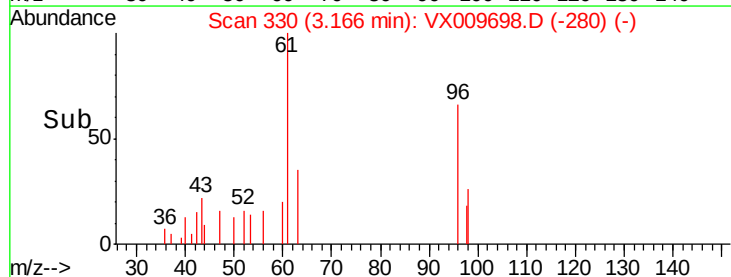
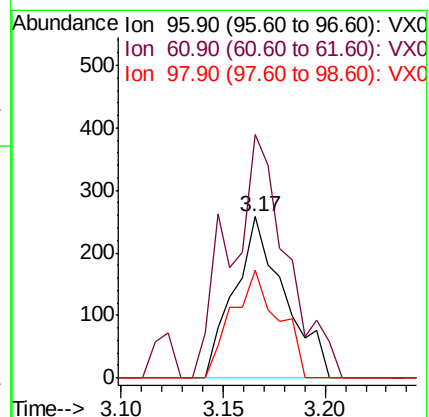
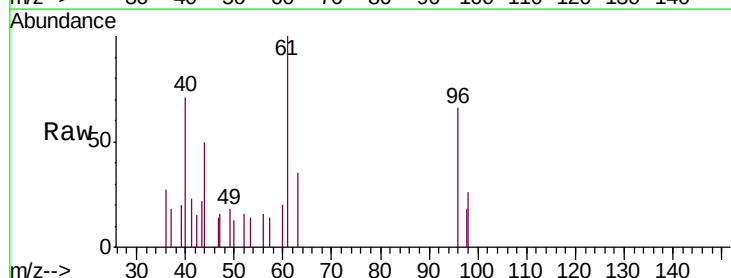
Tgt Ion: 96 Resp: 443

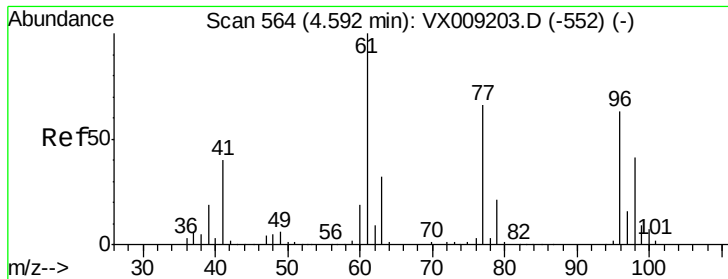
Ion Ratio Lower Upper

96 100

61 150.8 124.5 186.7

98 66.7 50.4 75.6



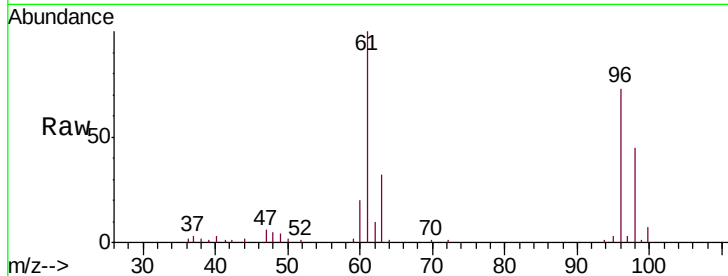


#27

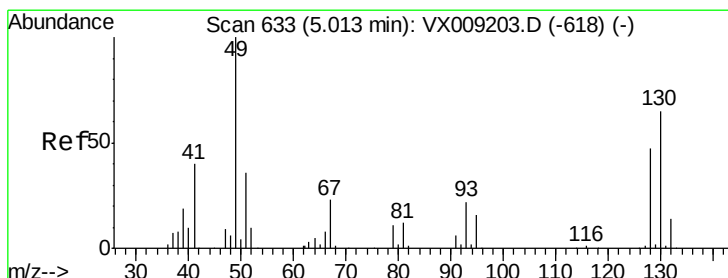
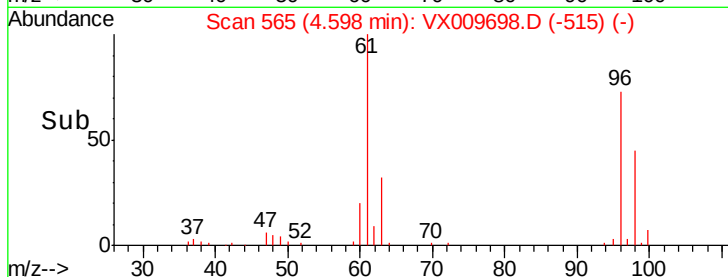
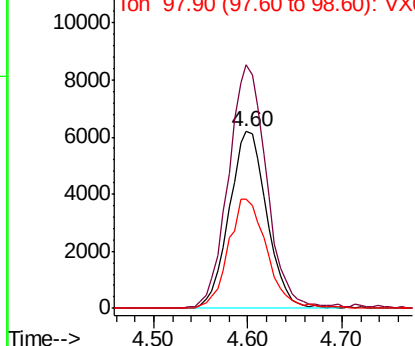
cis-1,2-Dichloroethene
 Concen: 8.417 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

Instrument :
 MSVOA_X
 ClientSampled :
 MW-10B_R2

Tgt Ion: 96 Resp: 17221
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 324.0
 98 62.9 0.0 130.4



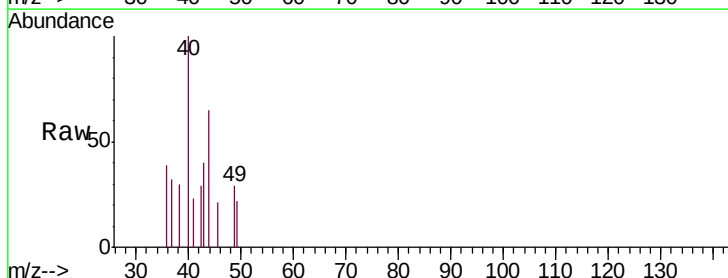
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



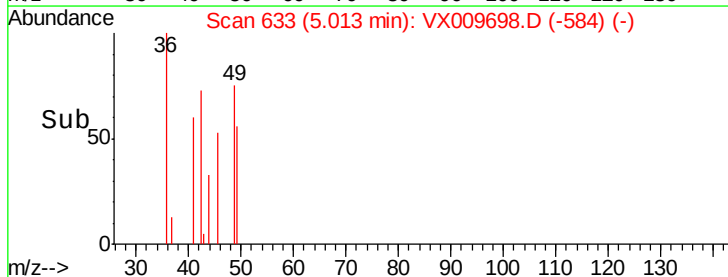
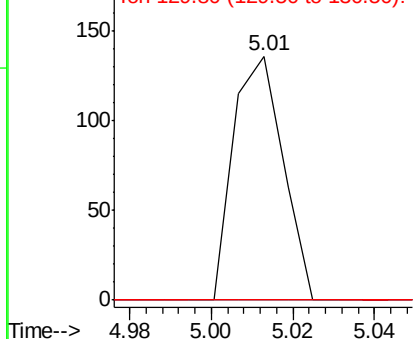
#28

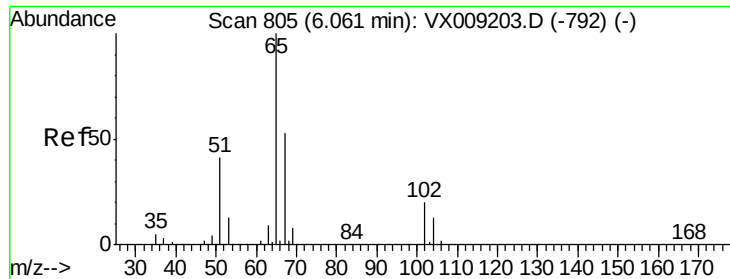
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

Tgt Ion: 49 Resp: 115
 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

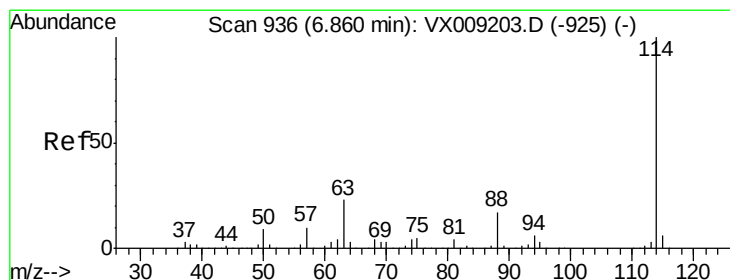
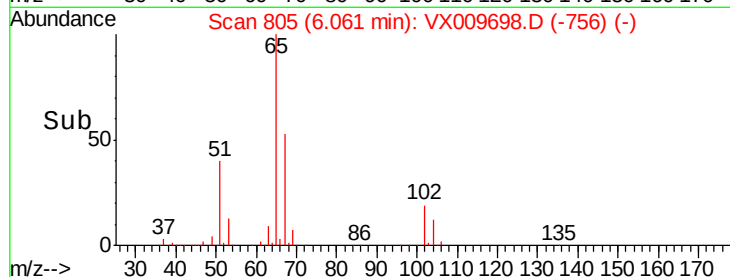
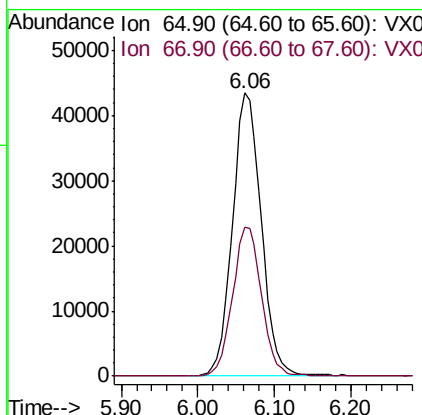
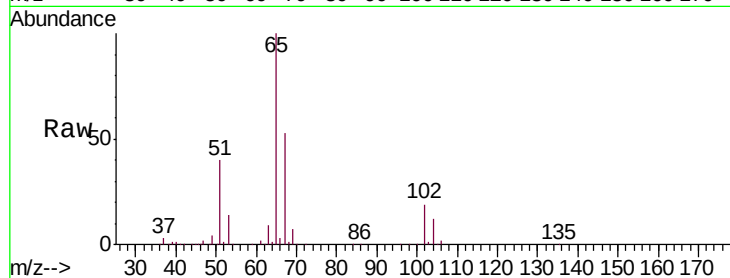




#33
 1,2-Dichloroethane-d4
 Concen: 49.267 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

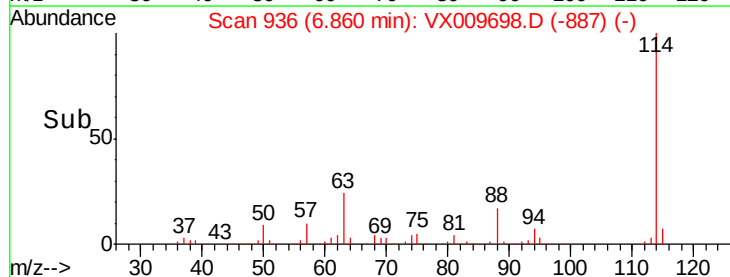
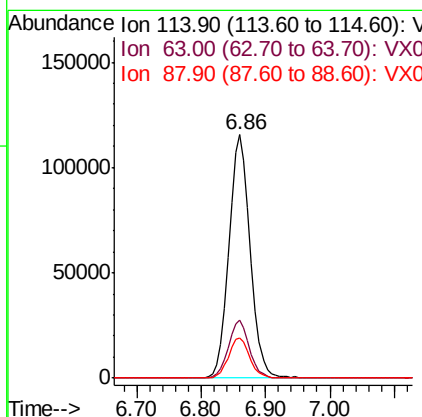
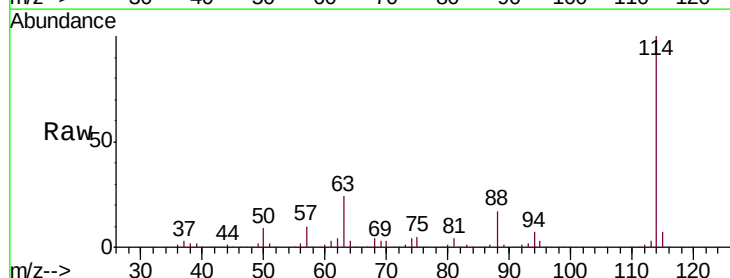
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10B_R2

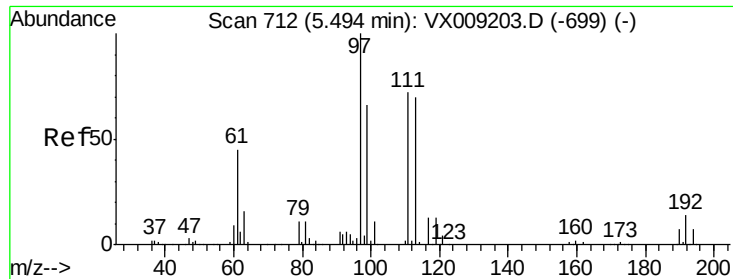
Tgt Ion: 65 Resp: 113291
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

Tgt Ion: 114 Resp: 267469
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.065 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

MW-10B_R2

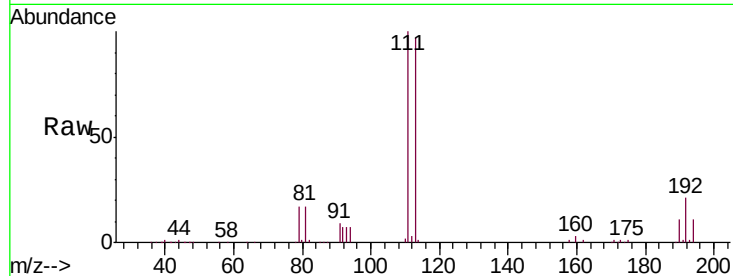
Tgt Ion:113 Resp: 82498

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

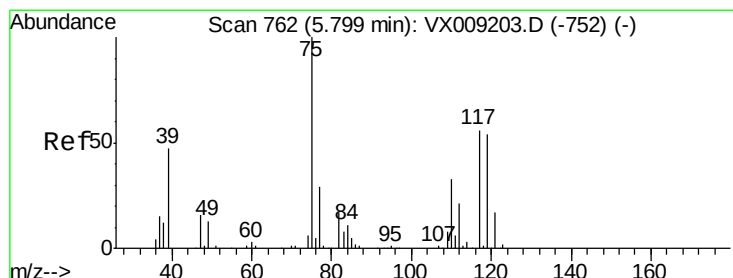
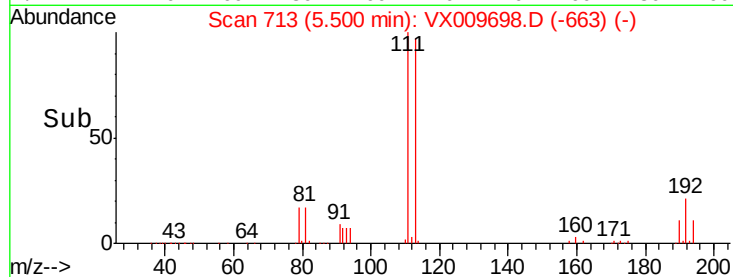
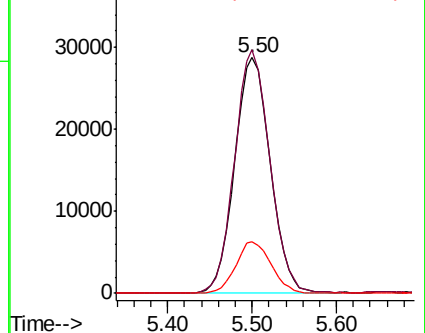
192 21.7 17.0 25.6



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: 5.399 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

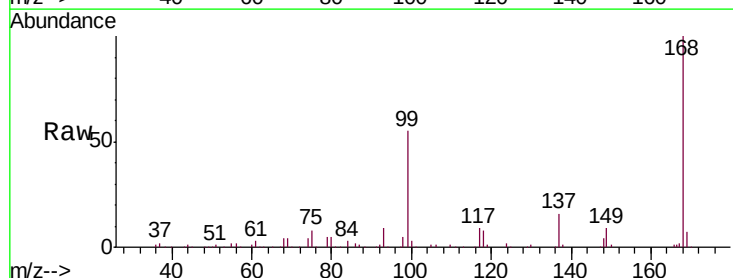
Tgt Ion: 75 Resp: 13421

Ion Ratio Lower Upper

75 100

110 4.1 16.9 50.6#

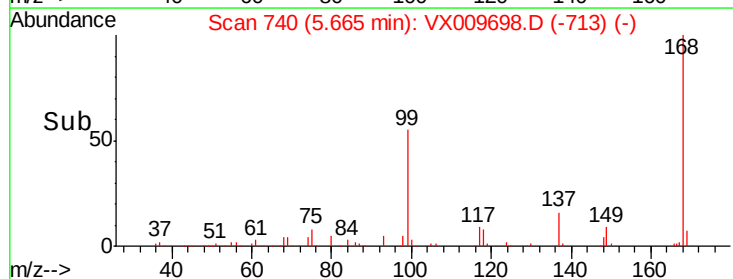
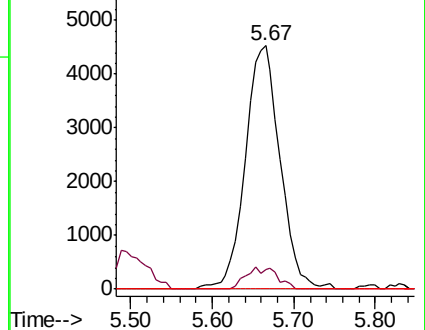
77 0.0 24.8 37.2#

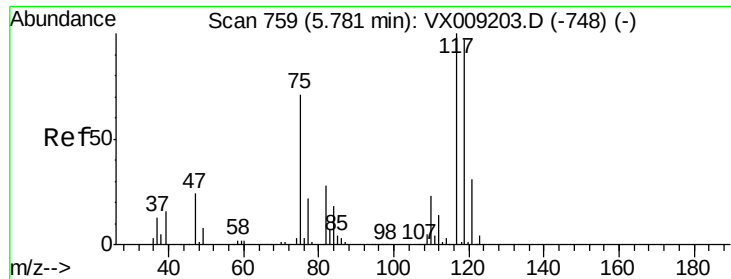


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

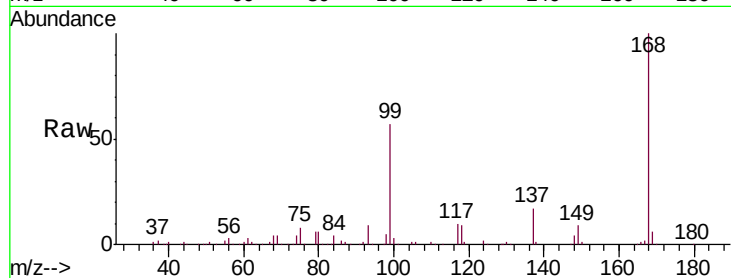




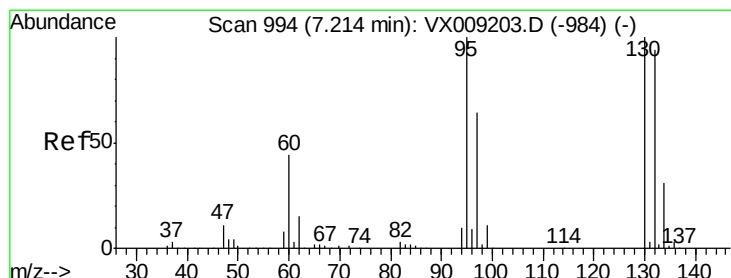
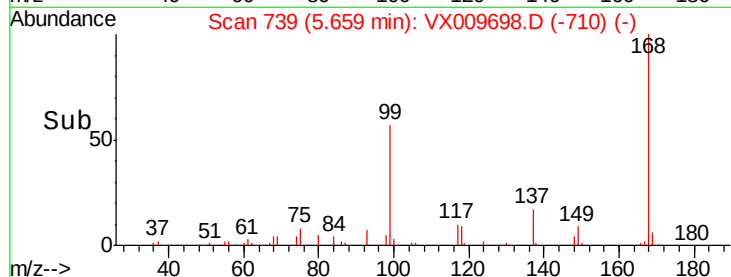
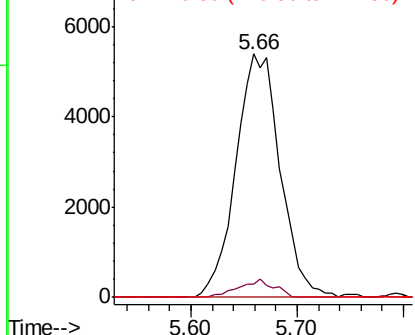
#38
Carbon Tetrachloride
Concen: 6.967 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

Instrument :
MSVOA_X
ClientSampleId :
MW-10B_R2

Tgt Ion:117 Resp: 15735
Ion Ratio Lower Upper
117 100
119 5.6 77.5 116.3#
121 0.0 24.7 37.1#

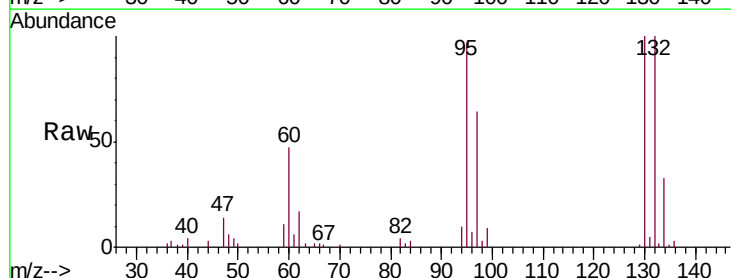


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

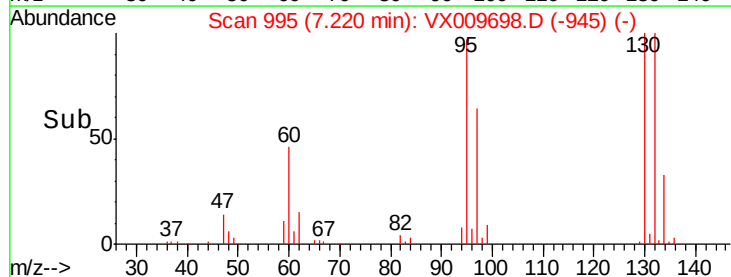
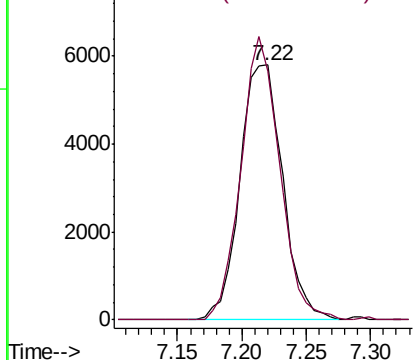


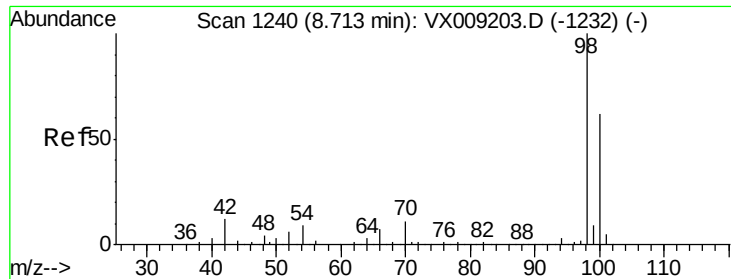
#44
Trichloroethene
Concen: 7.169 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

Tgt Ion:130 Resp: 13332
Ion Ratio Lower Upper
130 100
95 97.6 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.334 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

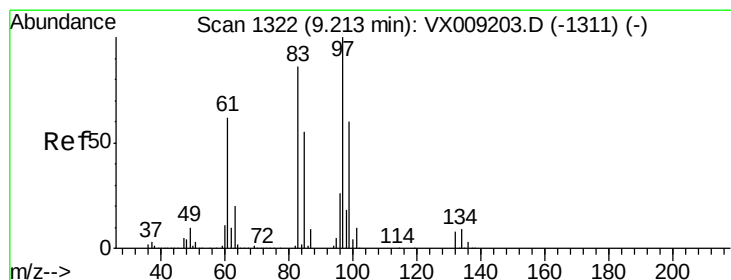
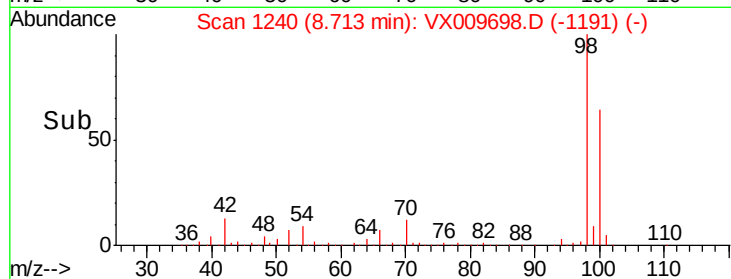
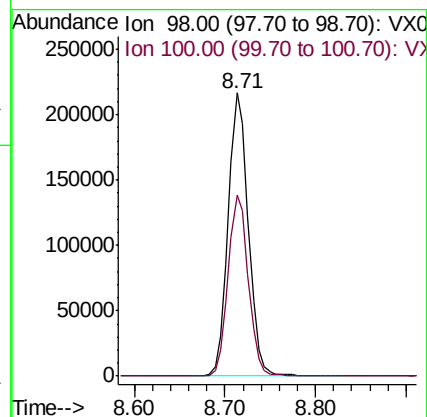
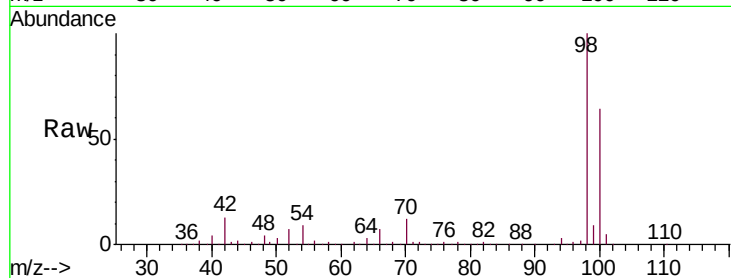
MW-10B_R2

Tgt Ion: 98 Resp: 334895

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



#55

1,1,2-Trichloroethane

Concen: 0.342 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Tgt Ion: 97 Resp: 652

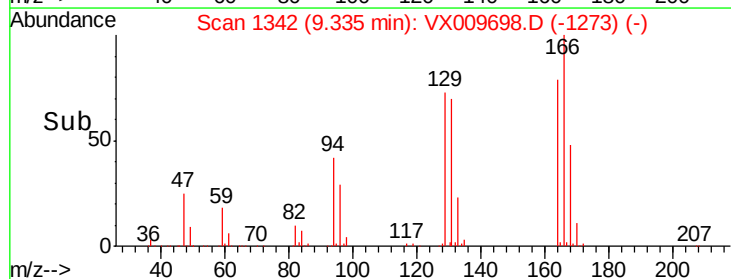
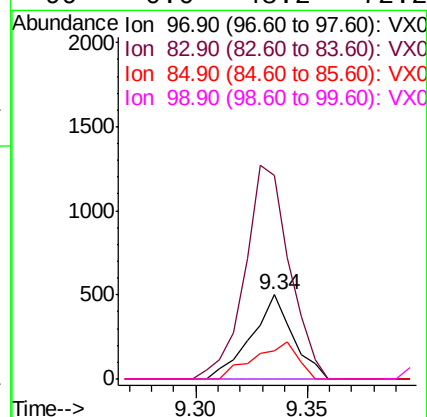
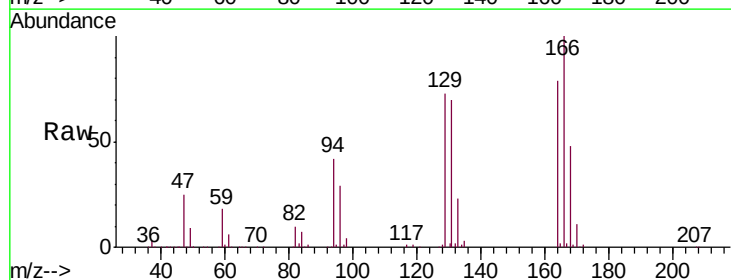
Ion Ratio Lower Upper

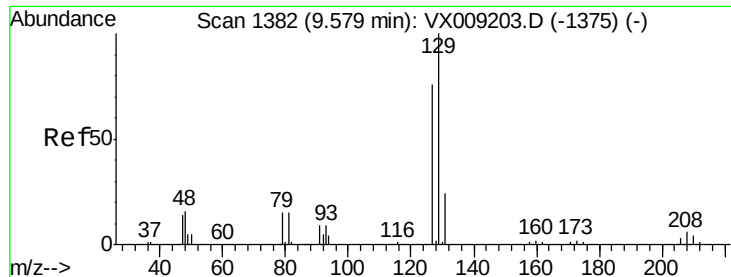
97 100

83 241.5 68.9 103.3#

85 33.9 43.8 65.6#

99 0.0 48.2 72.2#





#60

Dibromochloromethane

Concen: 33.727 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

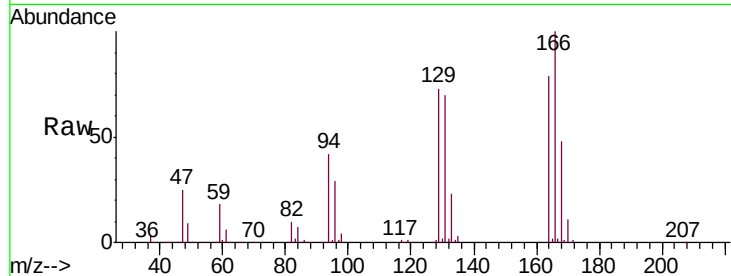
MW-10B_R2

Tgt Ion:129 Resp: 62841

Ion Ratio Lower Upper

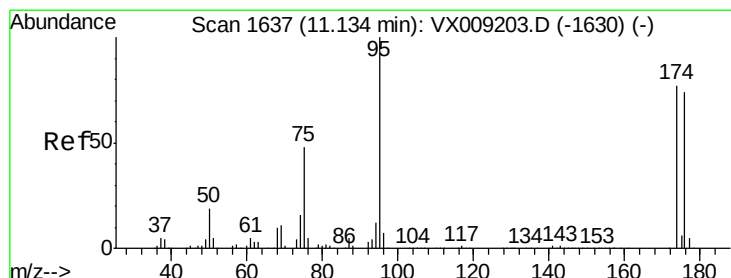
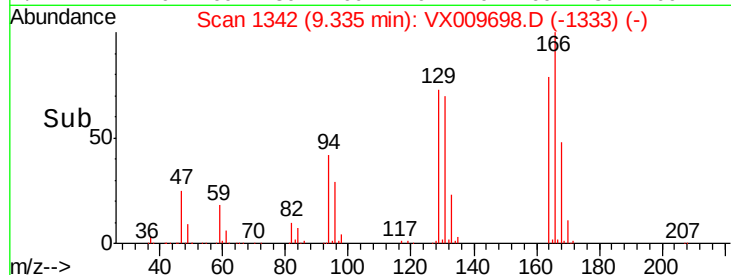
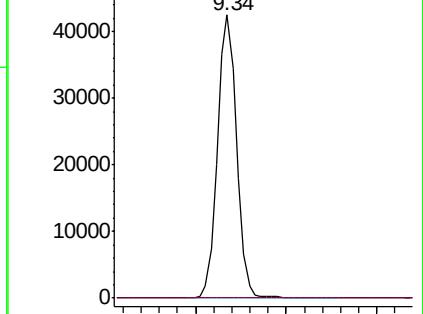
129 100

127 0.1 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

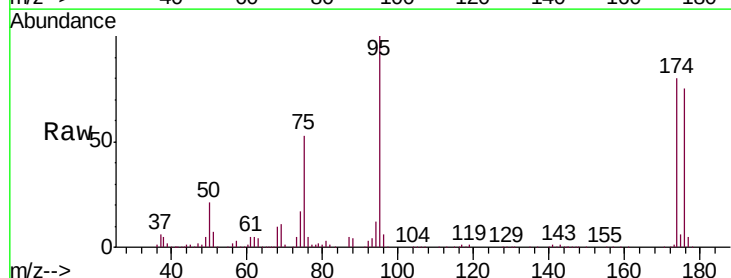
Tgt Ion: 95 Resp: 109279

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

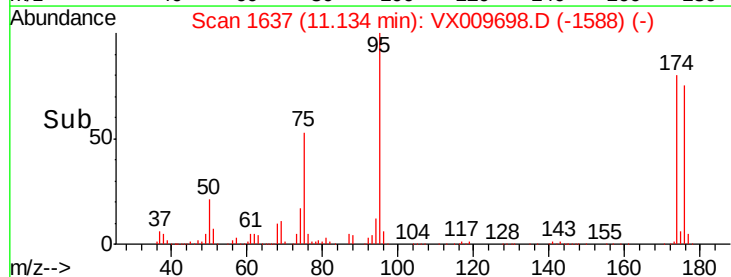
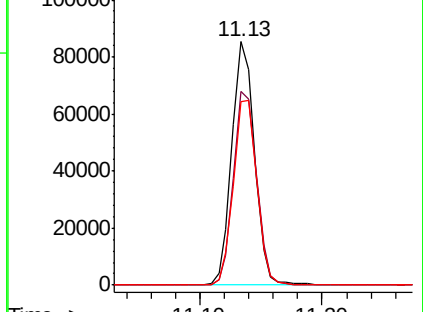
176 78.4 0.0 159.2

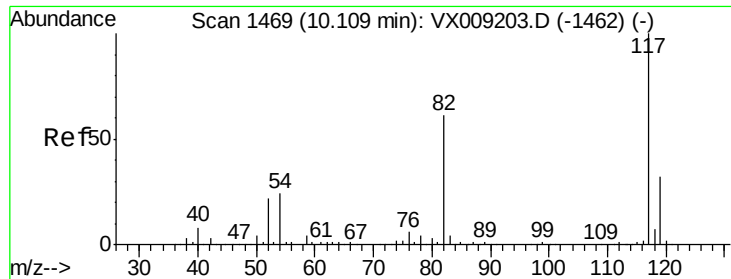


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

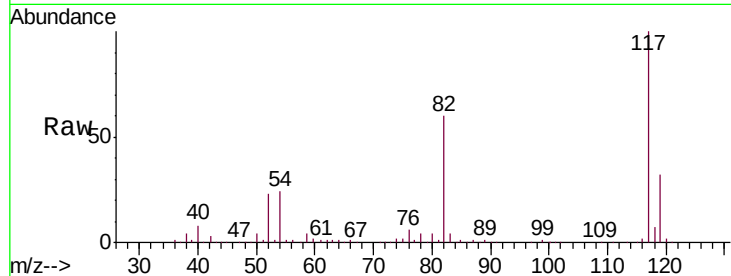




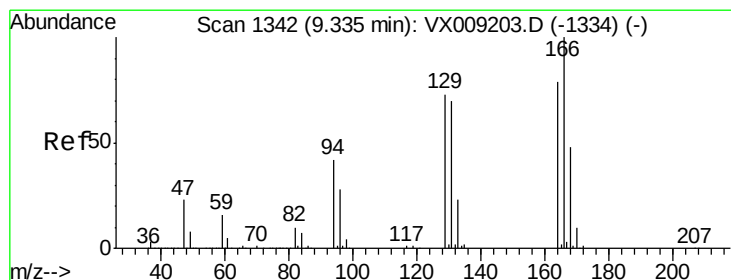
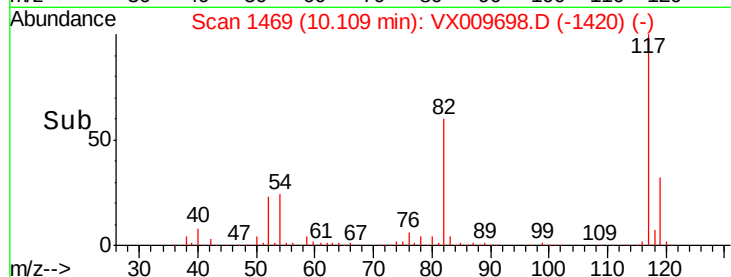
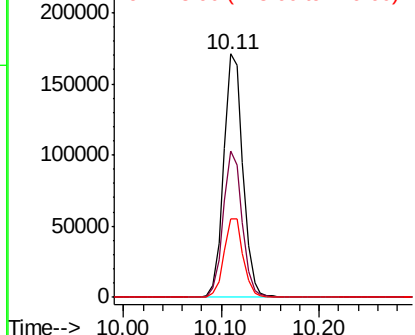
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

Instrument :
MSVOA_X
ClientSampleId :
MW-10B_R2

Tgt Ion:117 Resp: 233136
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.1 25.8 38.6

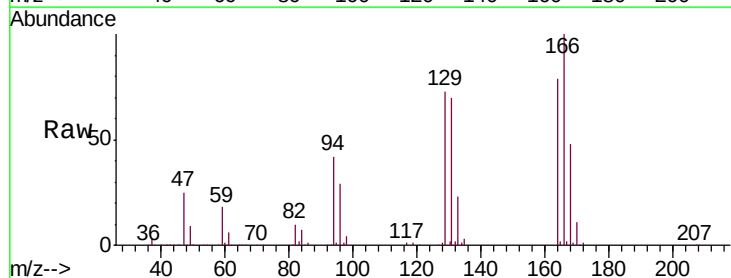


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

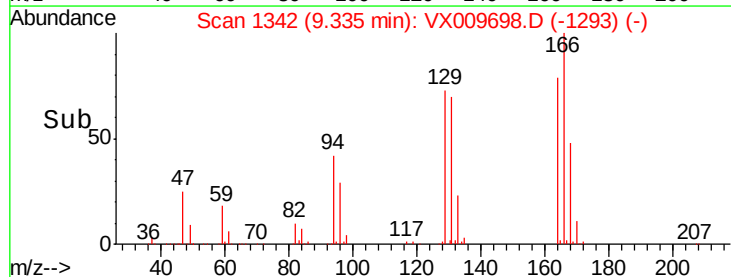
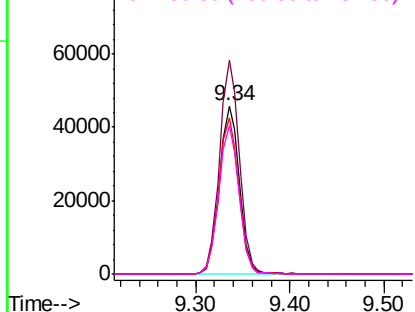


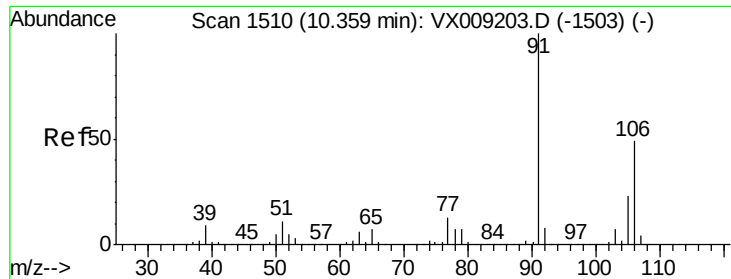
#64
Tetrachloroethene
Concen: 42.333 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009698.D
Acq: 18 May 2019 06:39

Tgt Ion:164 Resp: 67699
Ion Ratio Lower Upper
164 100
166 127.2 101.2 151.8
129 92.7 74.3 111.5
131 88.7 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





#68

m/p-Xylenes

Concen: 0.462 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampled :

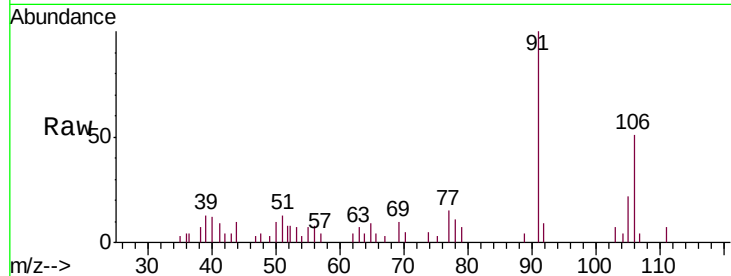
MW-10B_R2

Tgt Ion:106 Resp: 1450

Ion Ratio Lower Upper

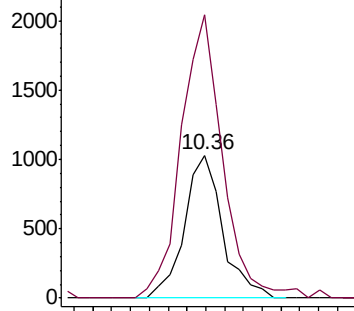
106 100

91 216.6 164.0 246.0

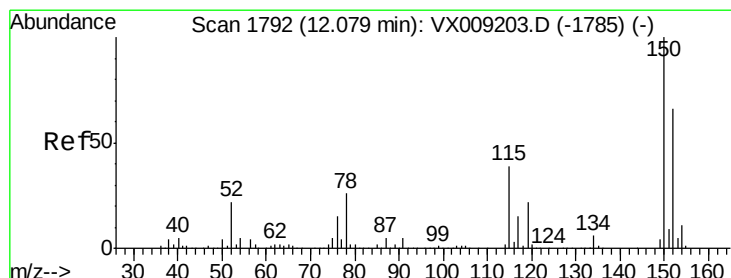
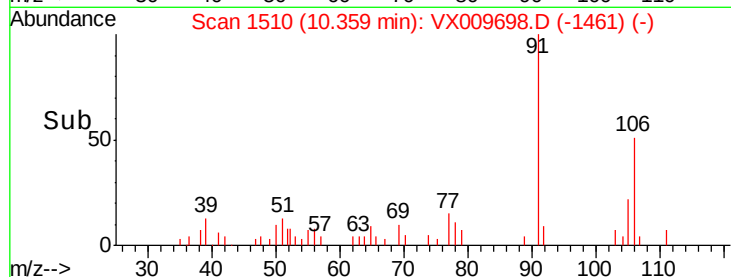


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

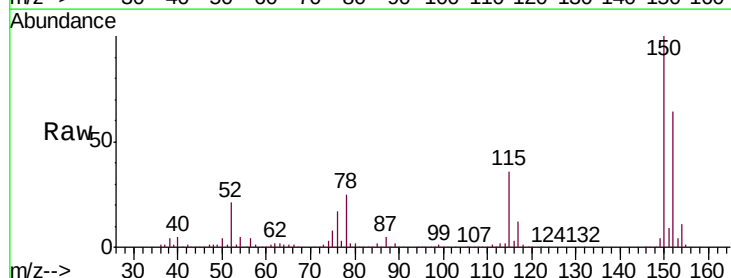
Tgt Ion:152 Resp: 94722

Ion Ratio Lower Upper

152 100

115 58.4 41.2 123.6

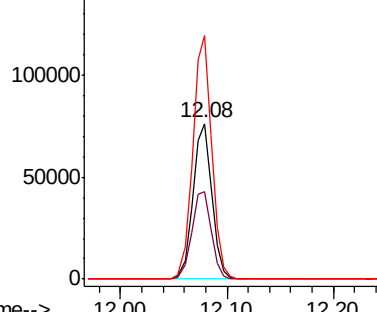
150 156.0 0.0 346.4



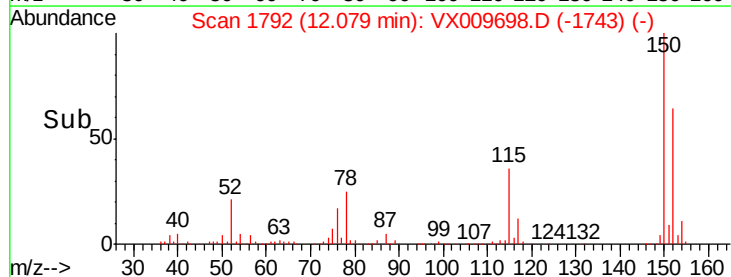
Abundance Ion 151.90 (151.60 to 152.60): V

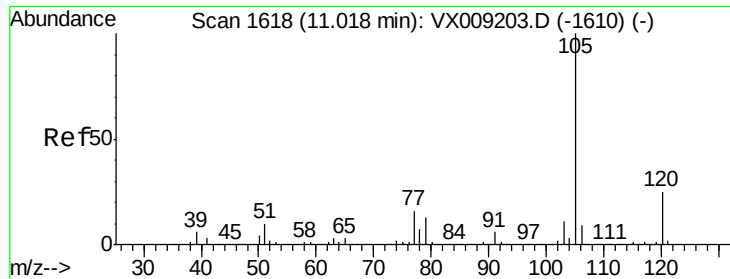
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 0.275 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

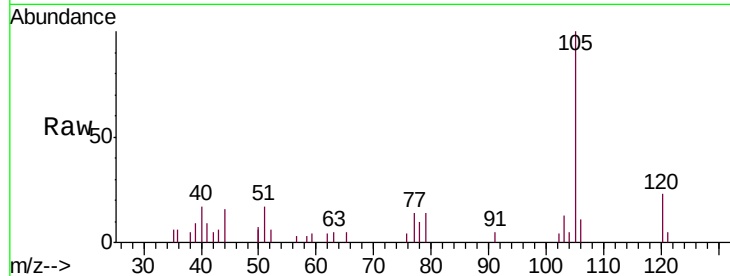
MW-10B_R2

Tgt Ion:105 Resp: 1897

Ion Ratio Lower Upper

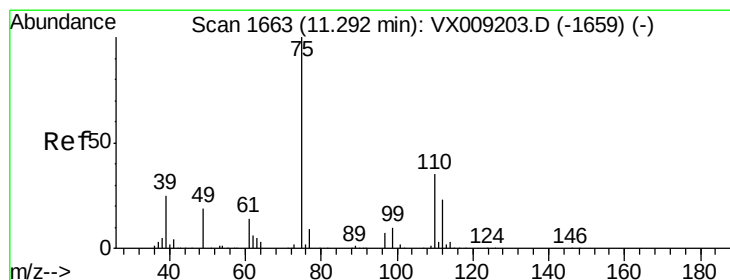
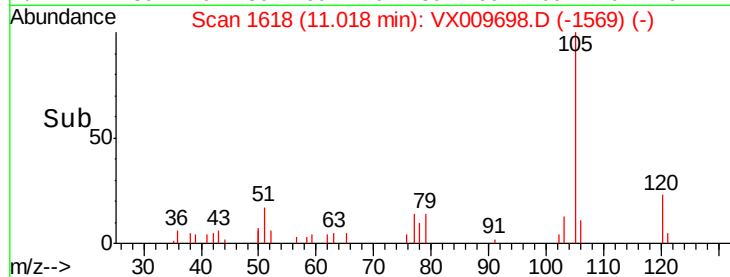
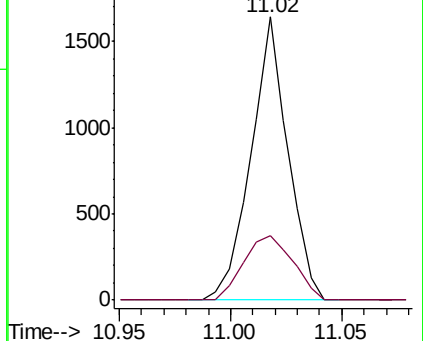
105 100

120 30.4 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: 25.609 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009698.D

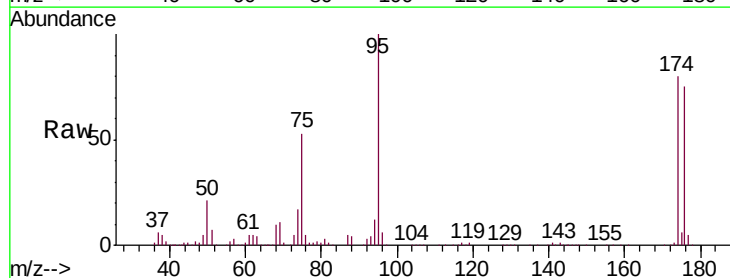
Acq: 18 May 2019 06:39

Tgt Ion: 75 Resp: 56269

Ion Ratio Lower Upper

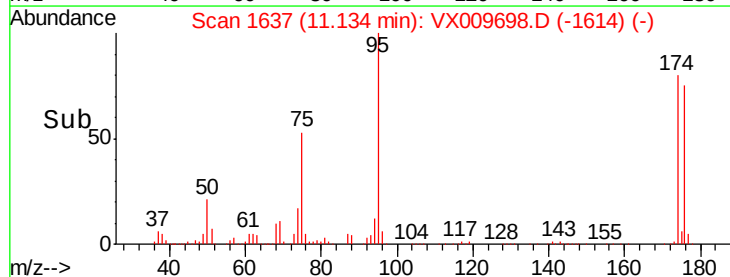
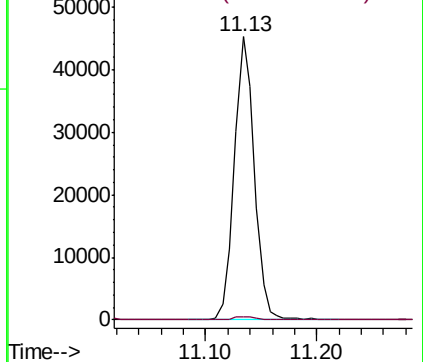
75 100

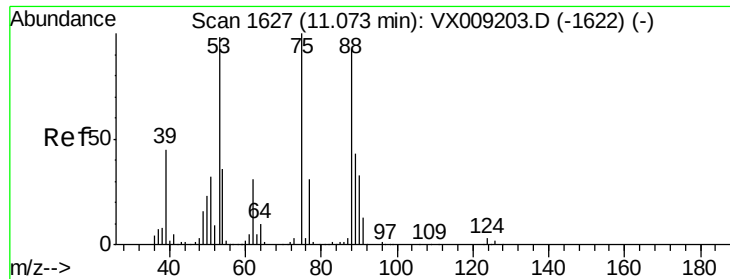
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

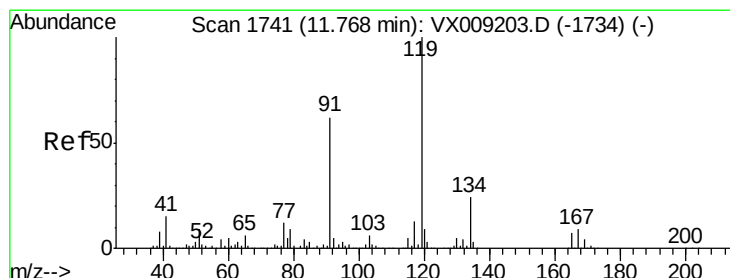
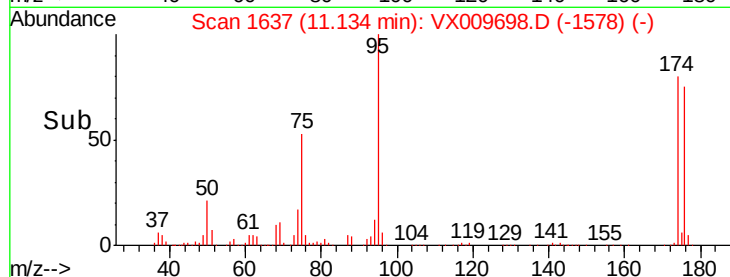
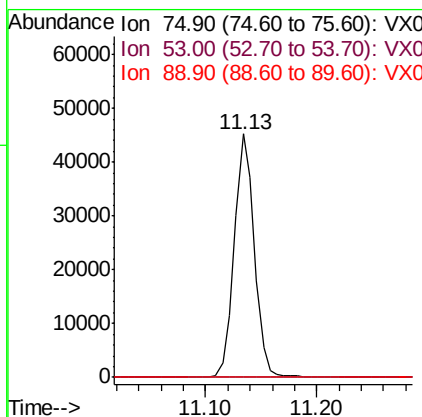
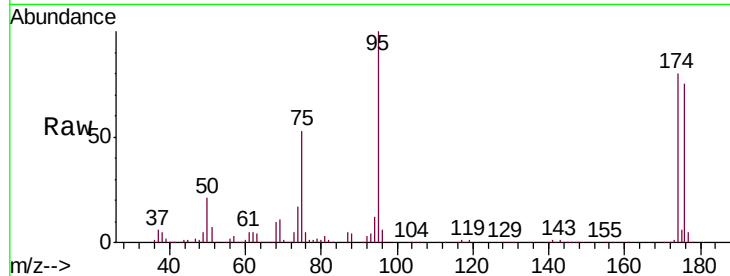




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.525 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

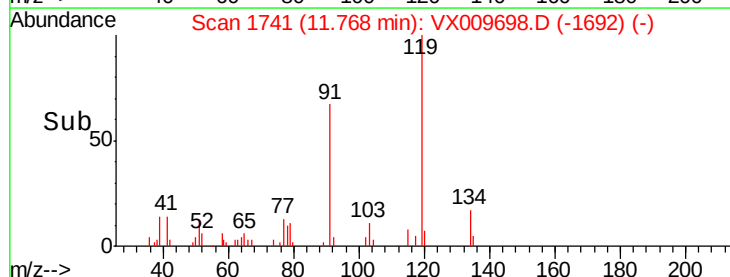
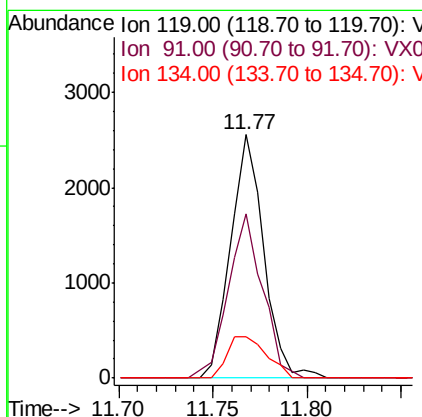
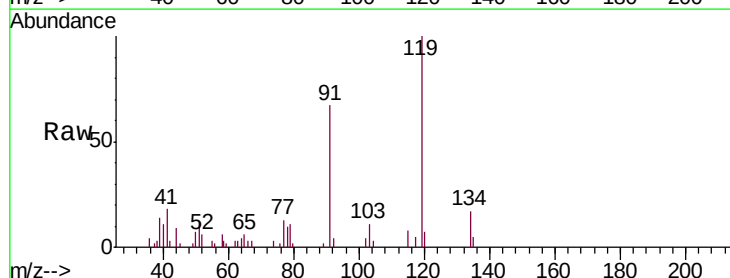
Instrument :
 MSVOA_X
 ClientSampled :
 MW-10B_R2

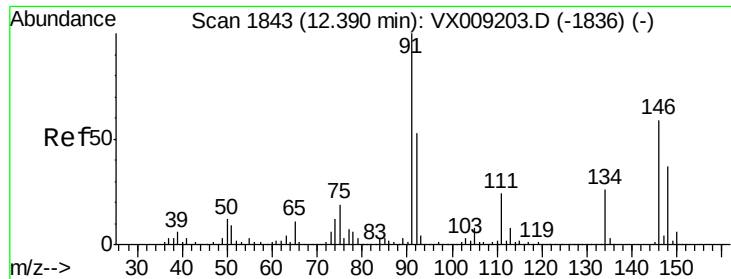
Tgt Ion: 75 Resp: 56269
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#



#83
 tert-Butylbenzene
 Concen: 0.554 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009698.D
 Acq: 18 May 2019 06:39

Tgt Ion: 119 Resp: 3124
 Ion Ratio Lower Upper
 119 100
 91 69.6 29.5 88.5
 134 20.2 11.4 34.1





#91

1,2-Dichlorobenzene

Concen: 0.724 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009698.D

Acq: 18 May 2019 06:39

Instrument :

MSVOA_X

ClientSampleId :

MW-10B_R2

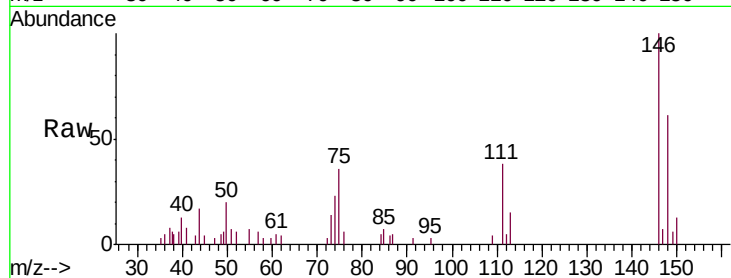
Tgt Ion:146 Resp: 2246

Ion Ratio Lower Upper

146 100

111 41.8 20.8 62.4

148 67.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

