

Data File : VX009711.D
Acq On : 18 May 2019 11:43
Operator : JC/SP
Sample : K2901-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-01B_R2

Quant Time: May 20 04:18:53 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	5.66	168	167342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94627	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	114805	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	5.49	113	82514	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	8.71	98	337305	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	107367	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	

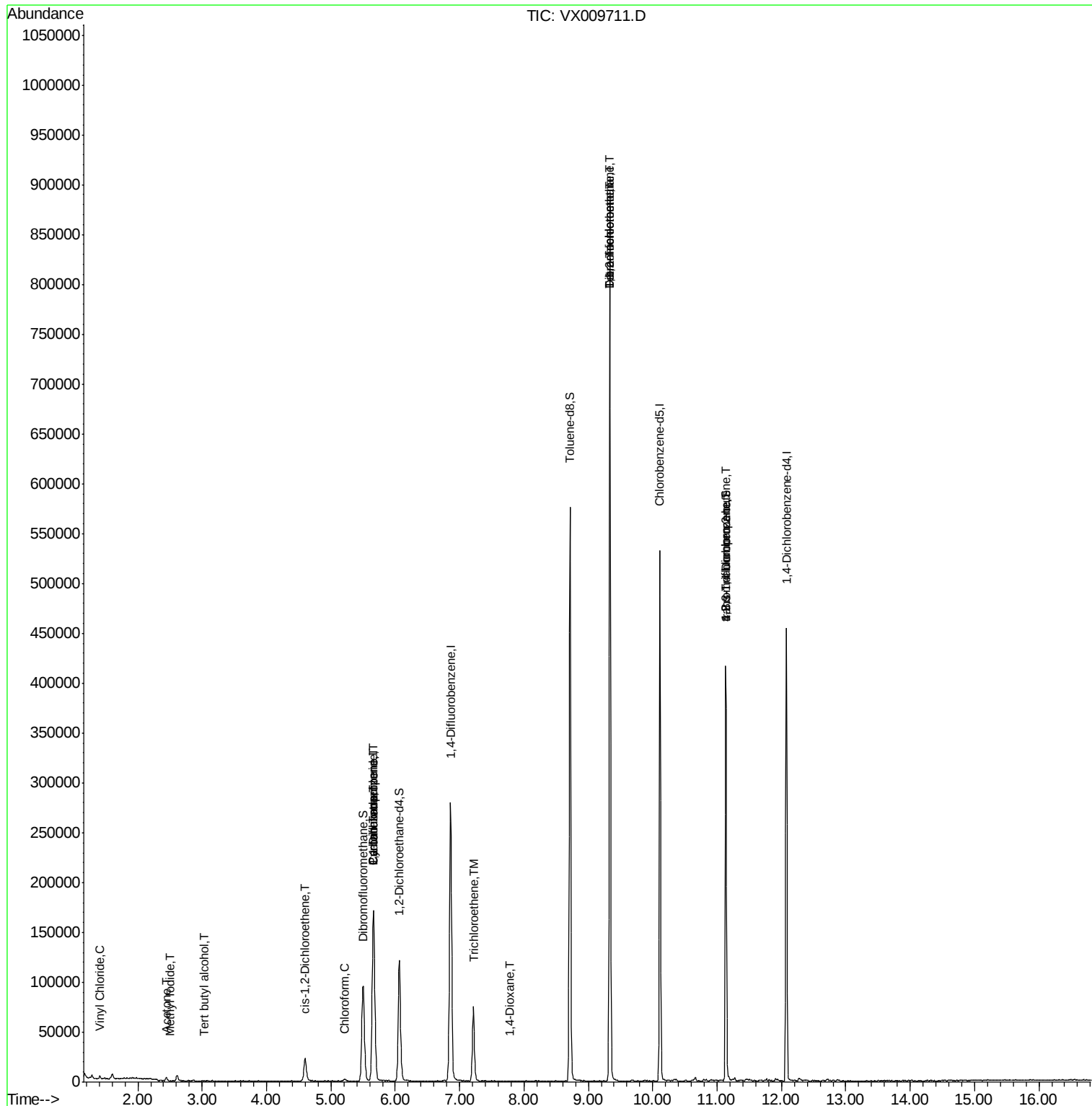
Target Compounds			Qvalue			
4) Vinyl Chloride	1.41	62	2216	1.079	ug/l #	76
10) Methyl Iodide	2.51	142	25	4.606	ug/l #	42
11) Tert butyl alcohol	3.03	59	478	0.904	ug/l #	81
16) Acetone	2.45	43	3682	3.002	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	13434	6.610	ug/l	92
28) Bromochloromethane	5.02	49	38	Below Cal	#	20
30) Chloroform	5.22	83	2236	0.681	ug/l	91
31) Cyclohexane	5.67	56	3887	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13342	5.361	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16028	7.089	ug/l #	15
44) Trichloroethene	7.21	130	27839	14.952	ug/l	94
49) 1,4-Dioxane	7.77	88	19	0.341	ug/l #	1
55) 1,1,2-Trichloroethane	9.34	97	1536	0.804	ug/l #	1
60) Dibromochloromethane	9.34	129	159064	85.271	ug/l #	11
64) Tetrachloroethene	9.34	164	169463	105.995	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	55645	25.351	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55645	64.863	ug/l #	11

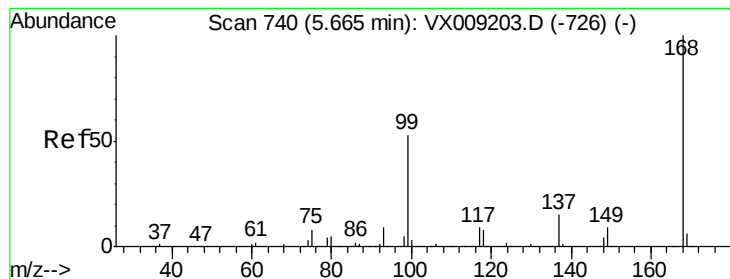
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

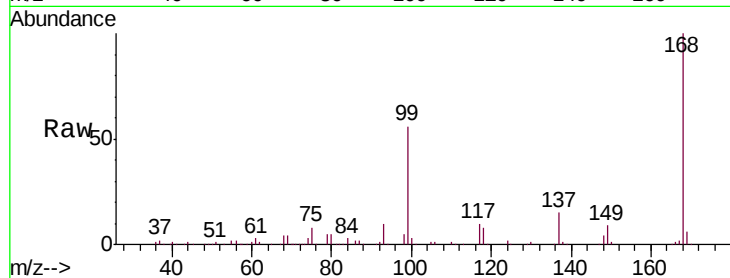
MW-01B_R2

Tgt Ion:168 Resp: 167342

Ion Ratio Lower Upper

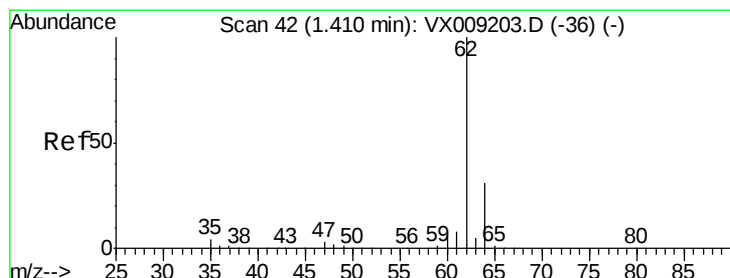
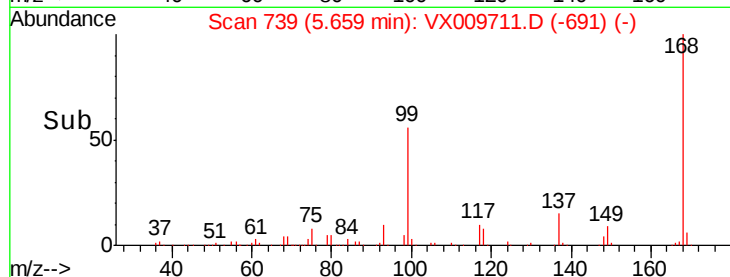
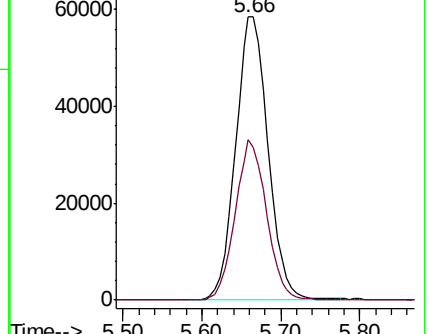
168 100

99 56.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.079 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009711.D

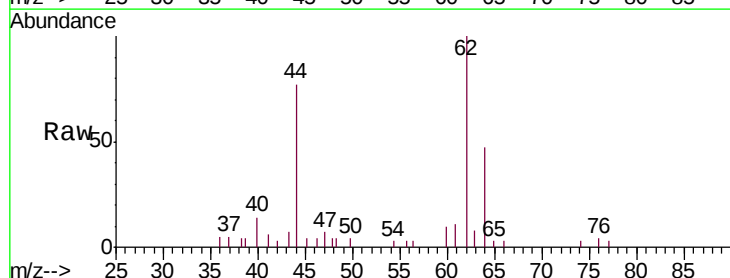
Acq: 18 May 2019 11:43

Tgt Ion: 62 Resp: 2216

Ion Ratio Lower Upper

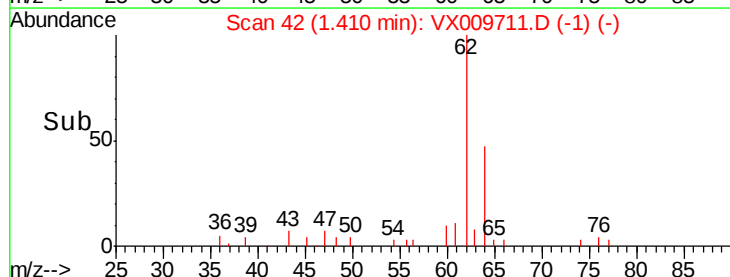
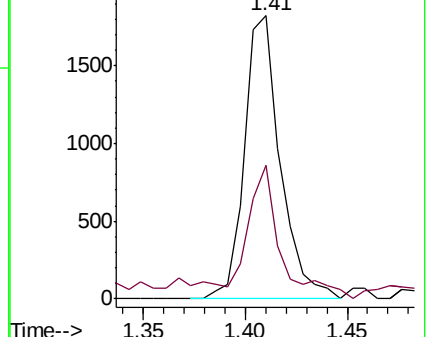
62 100

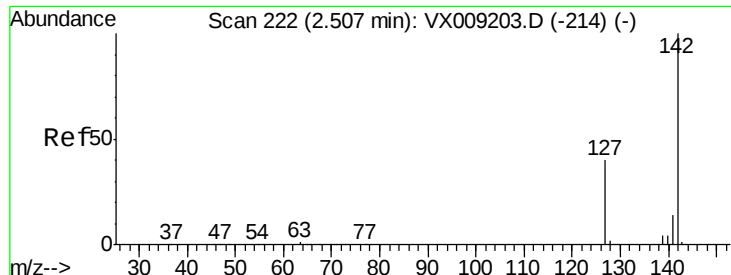
64 44.0 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

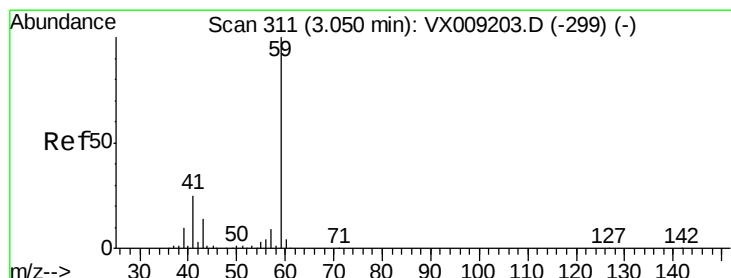
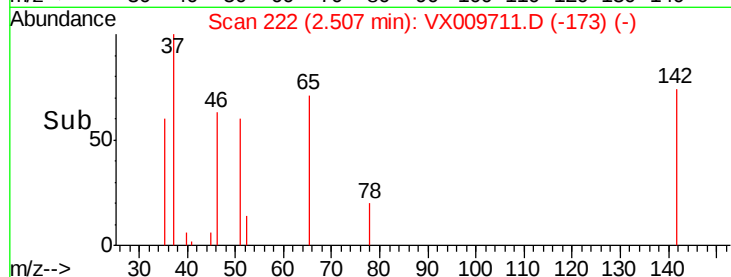
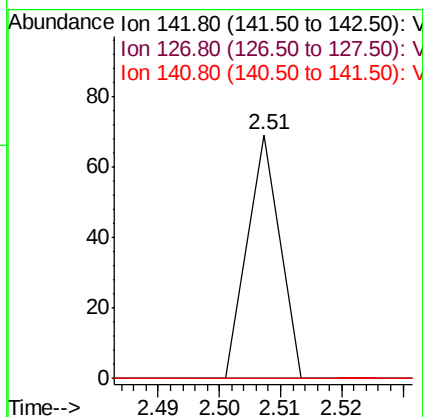
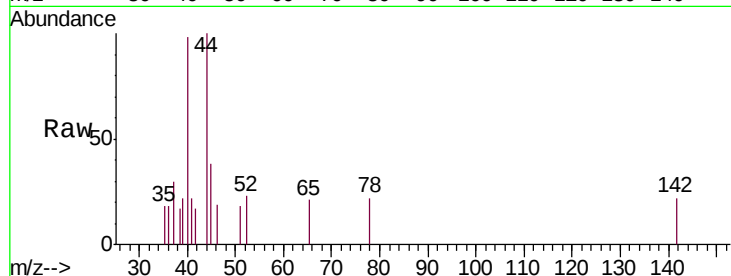




#10
Methyl Iodide
Concen: 4.606 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009711.D
Acq: 18 May 2019 11:43

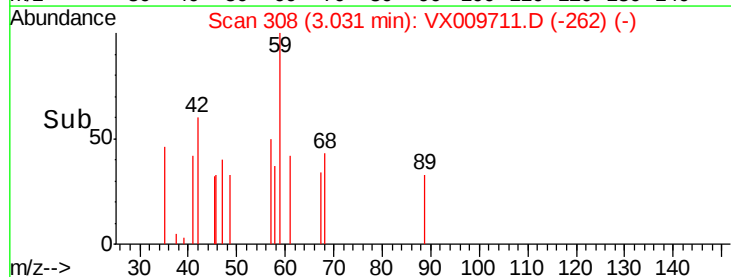
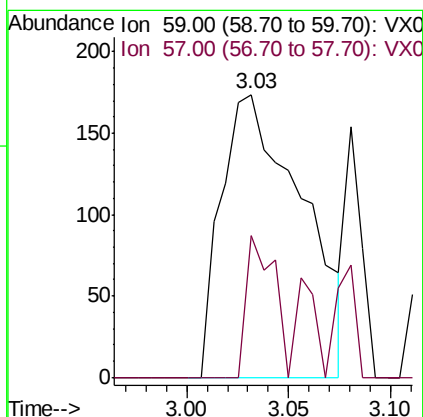
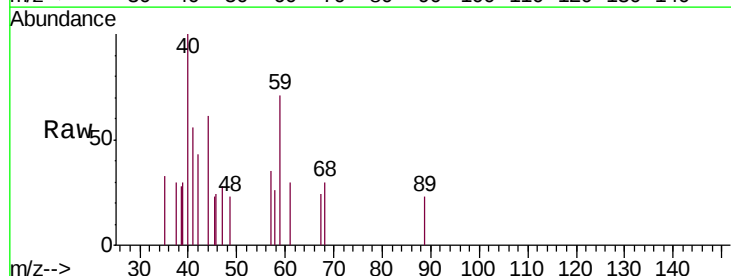
Instrument :
MSVOA_X
ClientSampleId :
MW-01B_R2

Tgt Ion: 142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.904 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009711.D
Acq: 18 May 2019 11:43

Tgt Ion: 59 Resp: 478
Ion Ratio Lower Upper
59 100
57 17.2 8.2 12.2#





#16

Acetone

Concen: 3.002 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

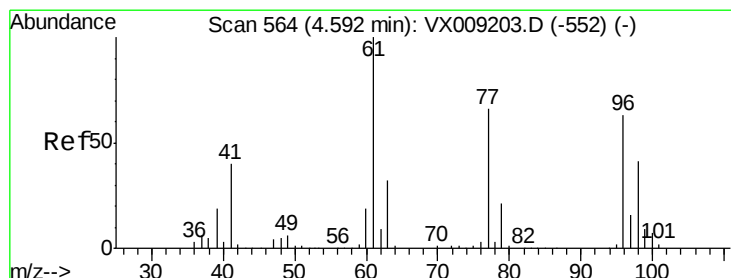
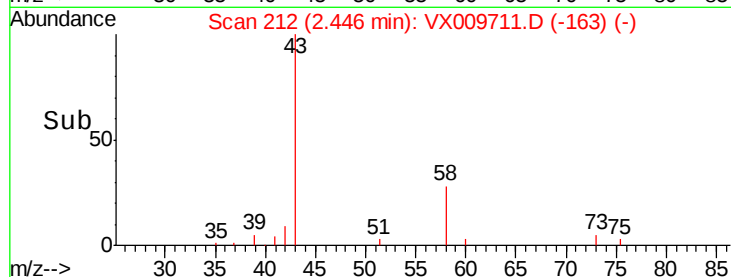
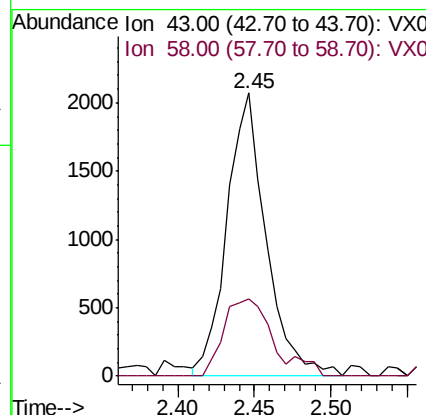
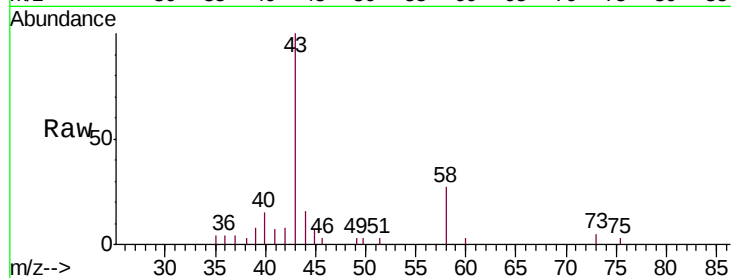
MW-01B_R2

Tgt Ion: 43 Resp: 3682

Ion Ratio Lower Upper

43 100

58 27.2 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 6.610 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

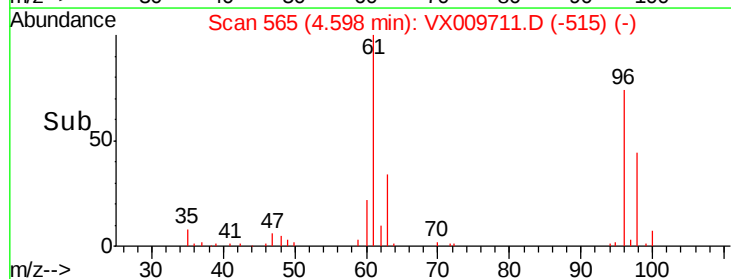
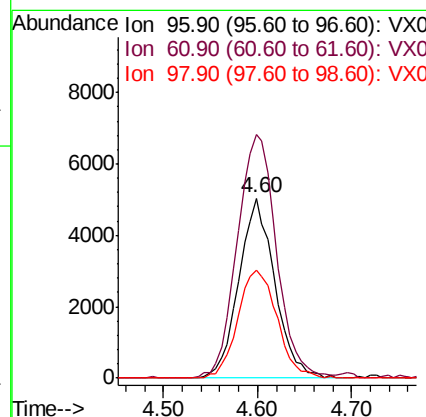
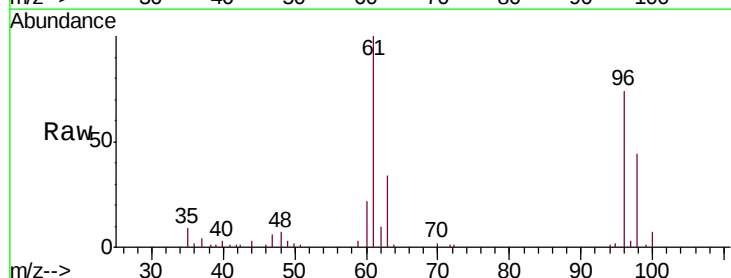
Tgt Ion: 96 Resp: 13434

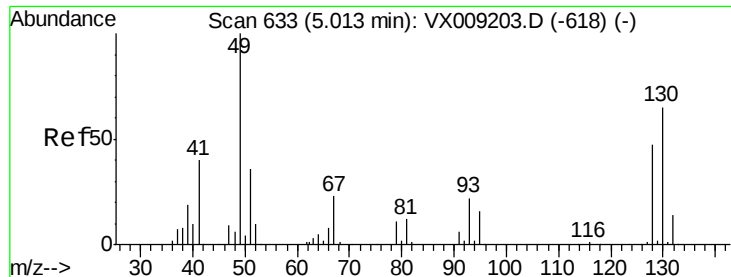
Ion Ratio Lower Upper

96 100

61 147.7 0.0 324.0

98 65.6 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

MW-01B_R2

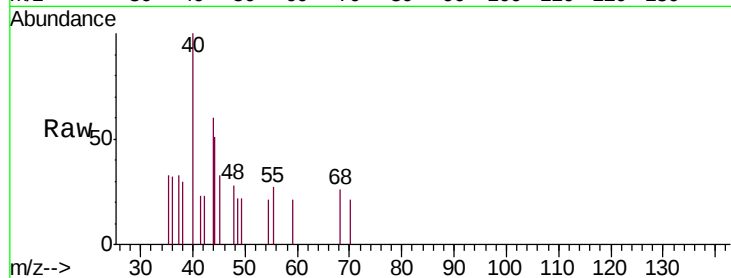
Tgt Ion: 49 Resp: 38

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

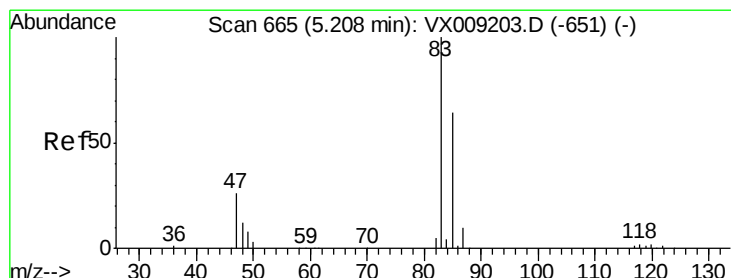
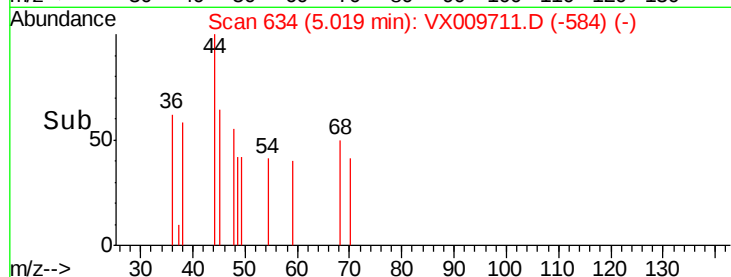
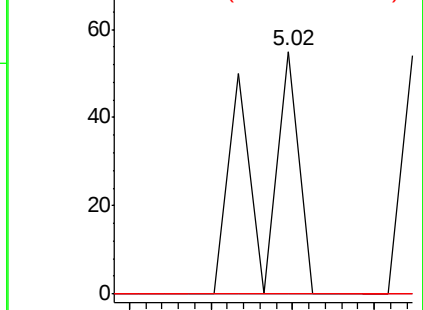
130 0.0 51.2 76.8#



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: 0.681 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX009711.D

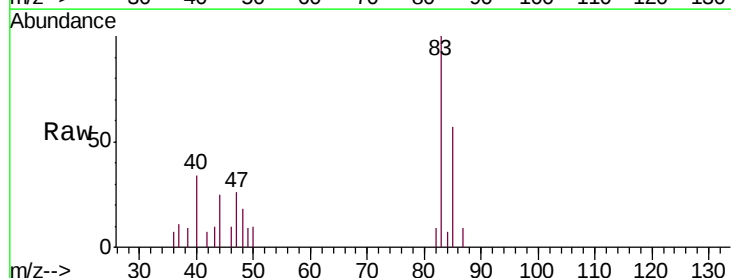
Acq: 18 May 2019 11:43

Tgt Ion: 83 Resp: 2236

Ion Ratio Lower Upper

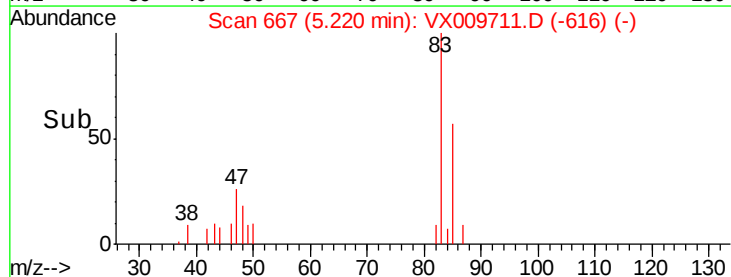
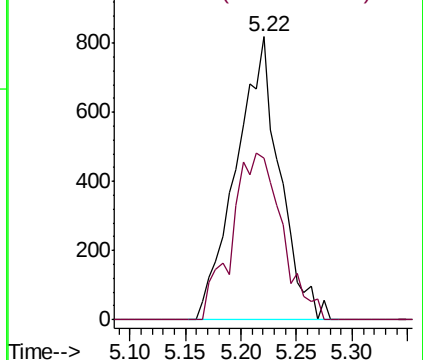
83 100

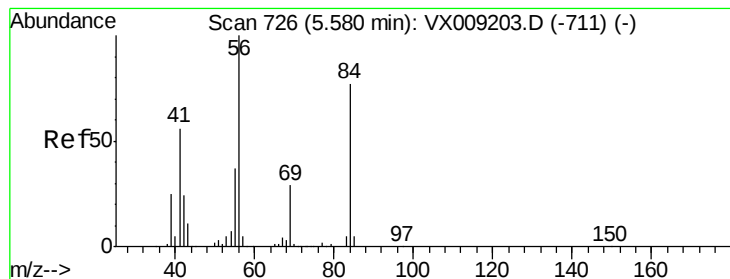
85 57.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

MW-01B_R2

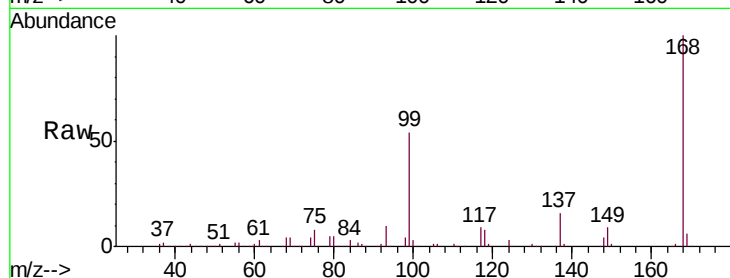
Tgt Ion: 56 Resp: 3887

Ion Ratio Lower Upper

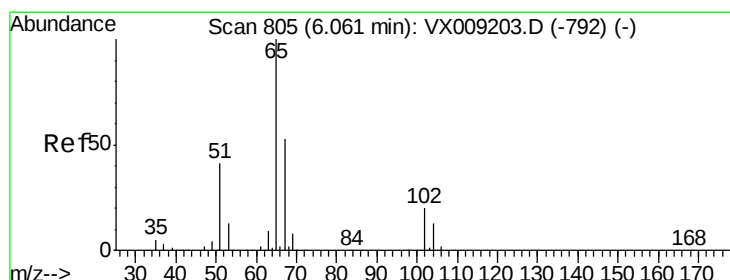
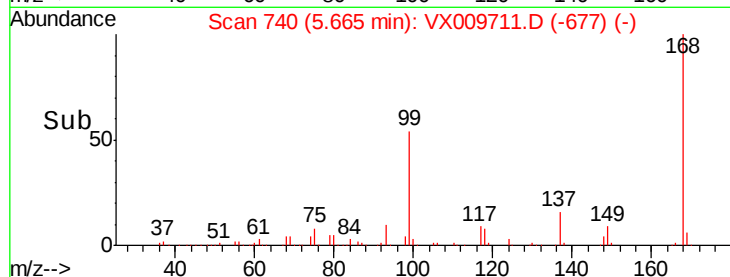
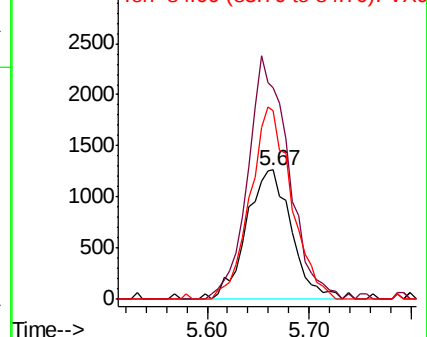
56 100

69 163.0 23.4 35.0#

84 145.3 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: 50.256 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009711.D

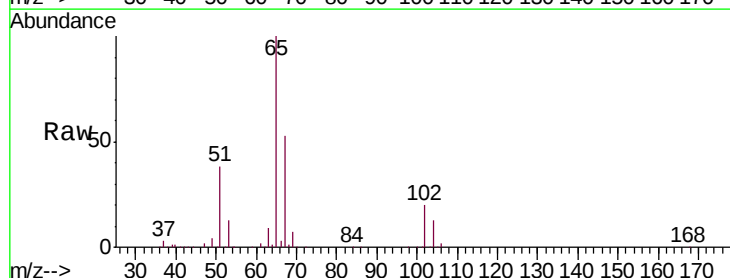
Acq: 18 May 2019 11:43

Tgt Ion: 65 Resp: 114805

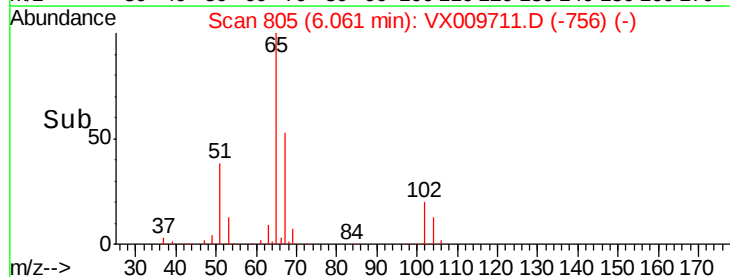
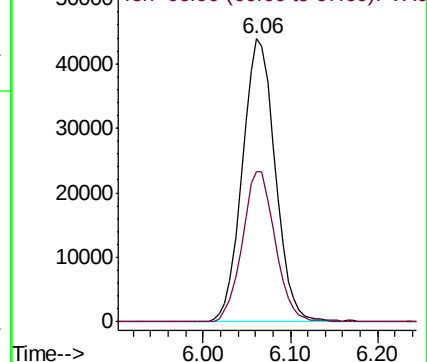
Ion Ratio Lower Upper

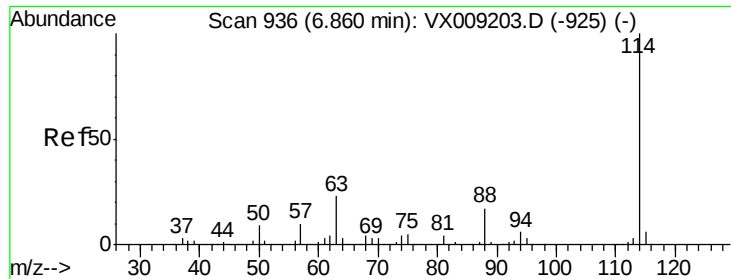
65 100

67 53.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

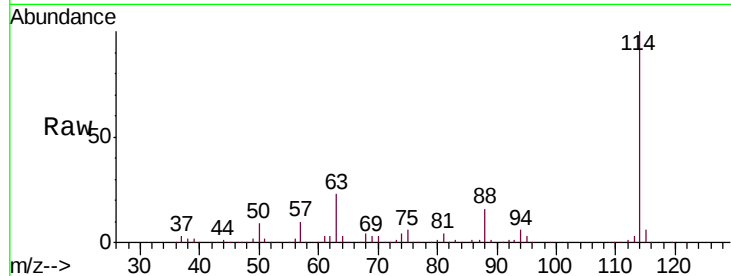




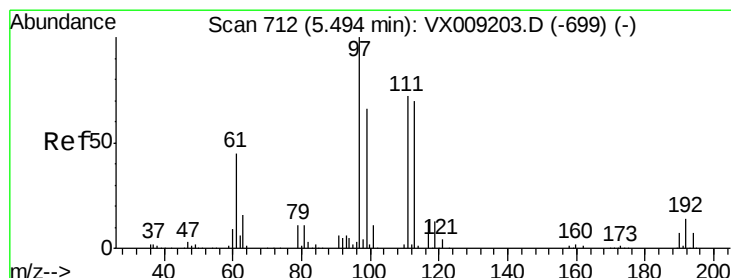
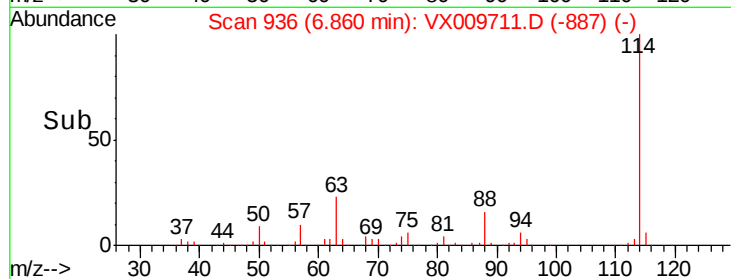
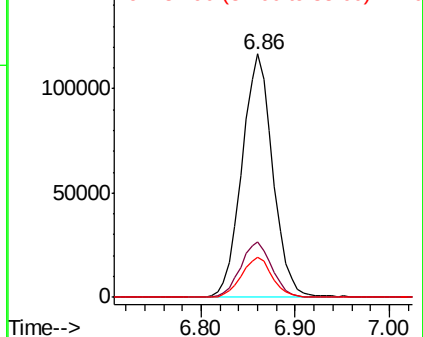
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01B_R2

Tgt Ion:114 Resp: 267778
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 16.4 0.0 33.2

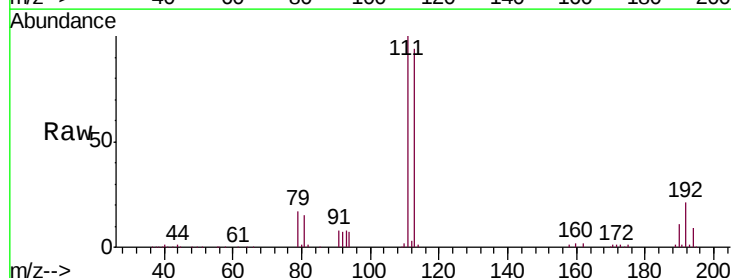


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

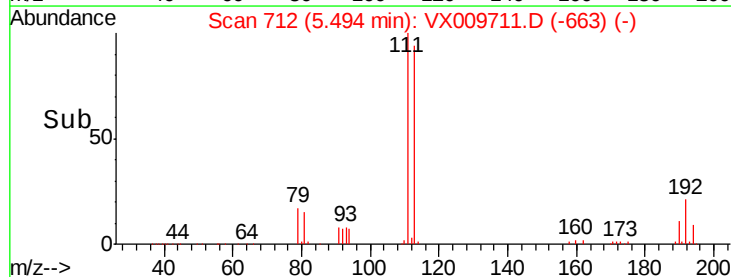
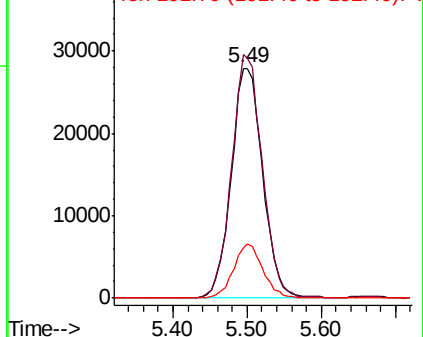


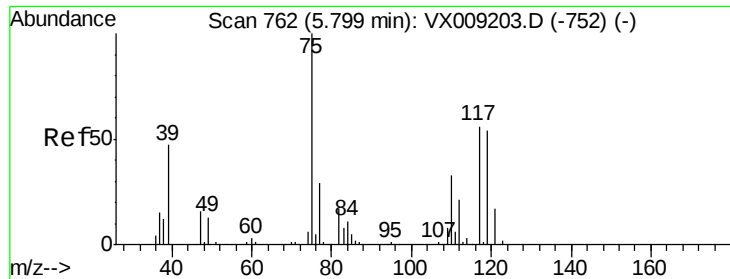
#35
 Dibromofluoromethane
 Concen: 49.017 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Tgt Ion:113 Resp: 82514
 Ion Ratio Lower Upper
 113 100
 111 103.3 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

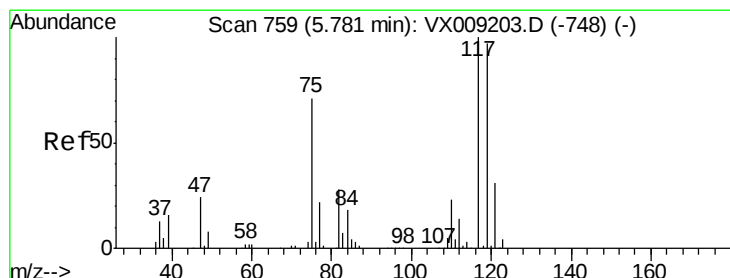
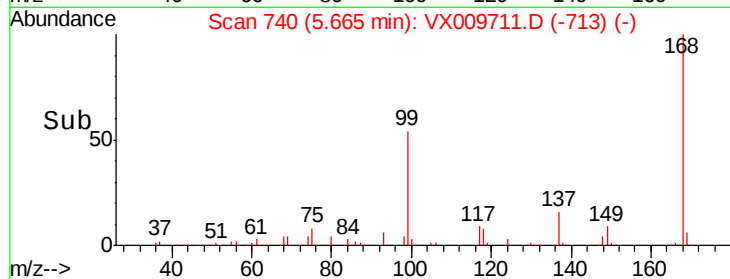
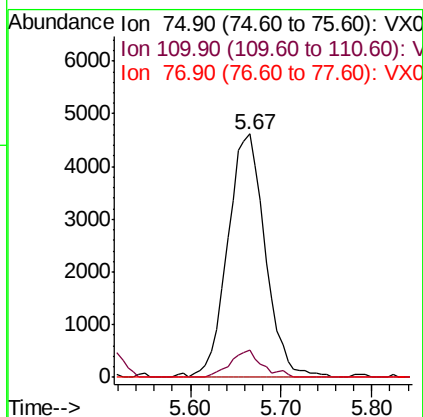
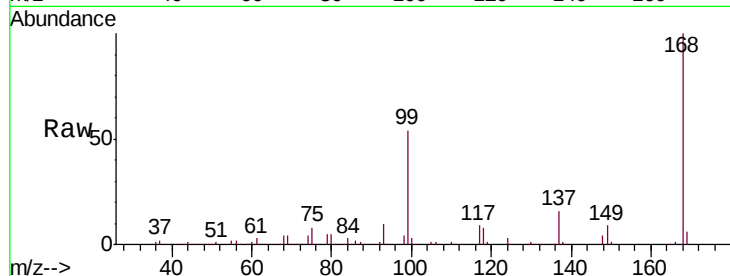




#36
 1,1-Dichloropropene
 Concen: 5.361 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

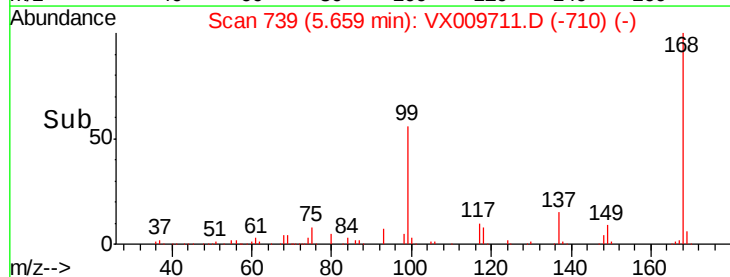
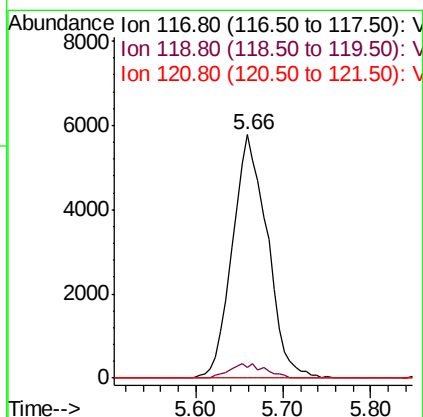
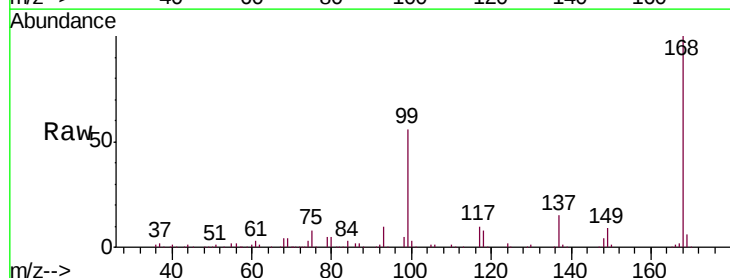
Instrument :
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 MW-01B_R2

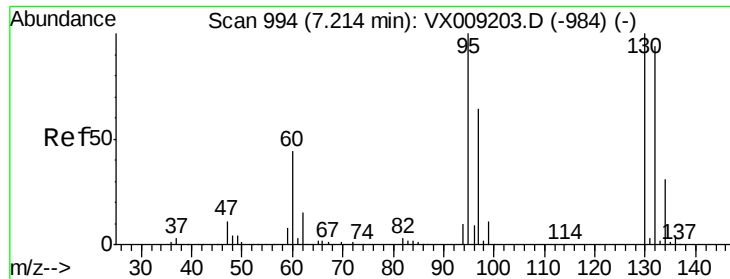
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.089 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.5	116.3#
121	0.0	24.7	37.1#

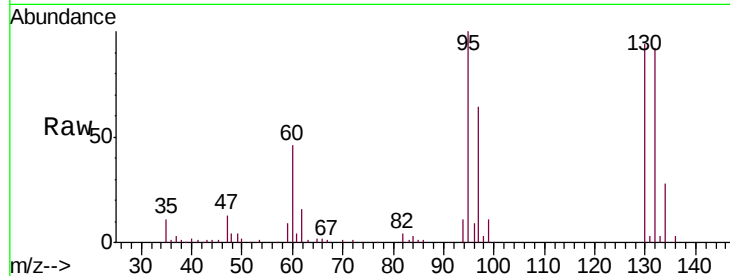




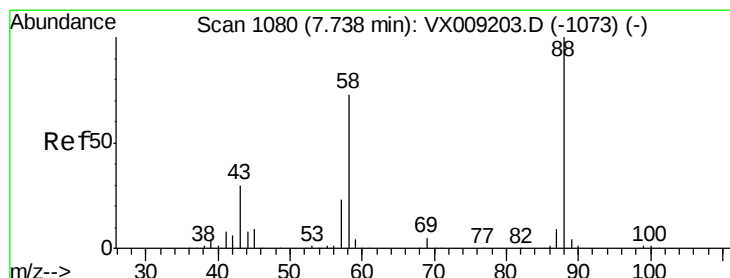
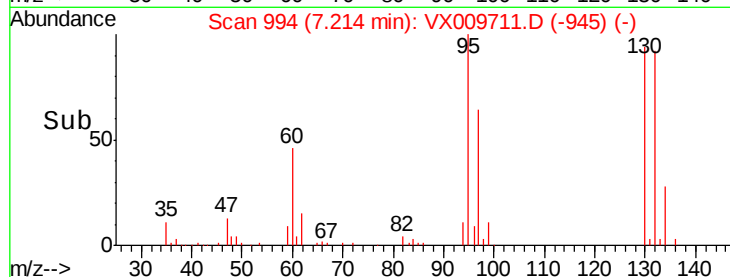
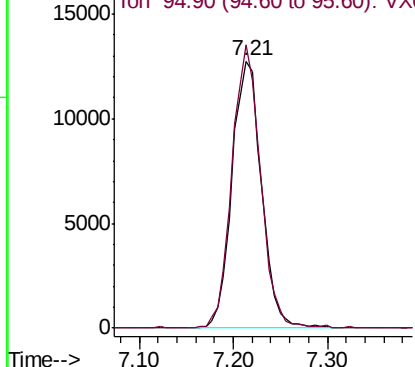
#44
 Trichloroethene
 Concen: 14.952 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Instrument :
 MSVOA_X
 ClientSampled :
 MW-01B_R2

Tgt Ion: 130 Resp: 27839
 Ion Ratio Lower Upper
 130 100
 95 105.9 0.0 199.2

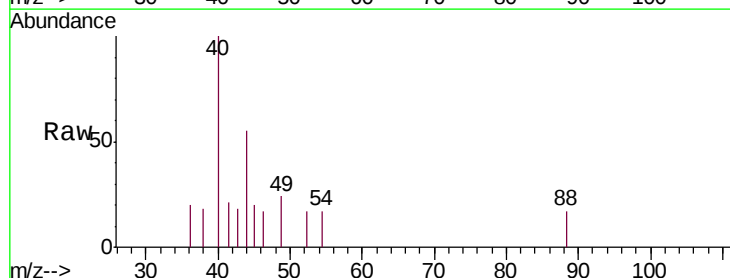


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

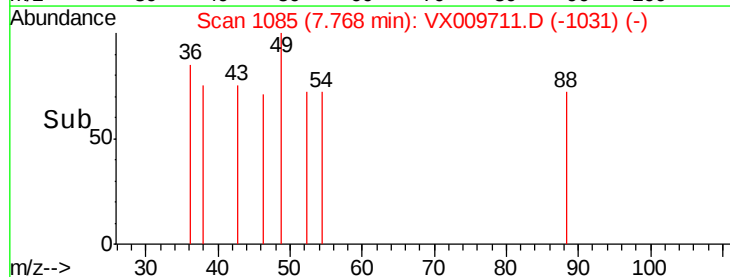
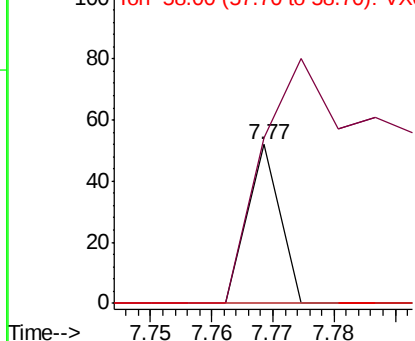


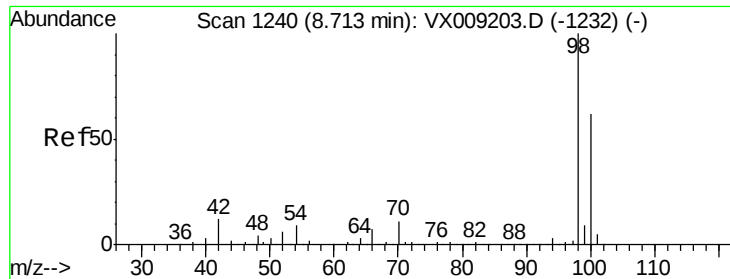
#49
 1,4-Dioxane
 Concen: 0.341 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 594.7 28.6 42.8#
 58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.632 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

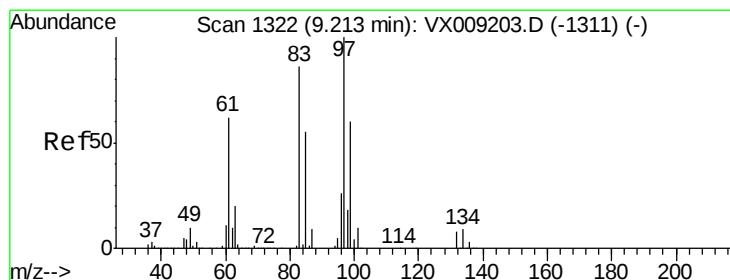
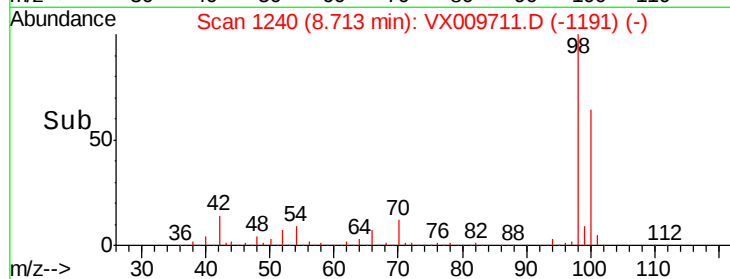
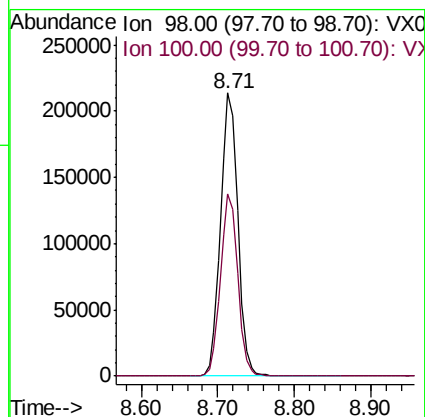
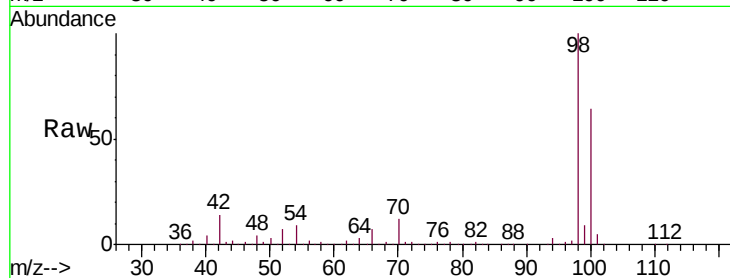
MW-01B_R2

Tgt Ion: 98 Resp: 337305

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#55

1,1,2-Trichloroethane

Concen: 0.804 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Tgt Ion: 97 Resp: 1536

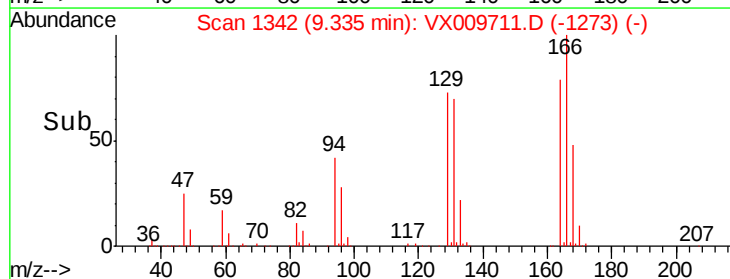
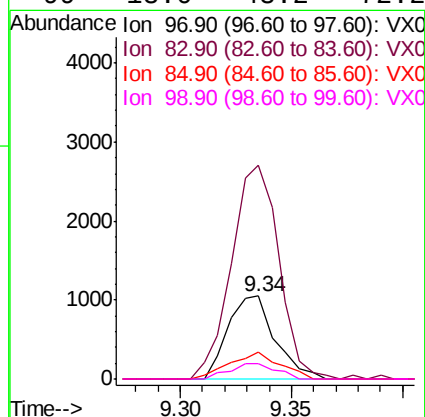
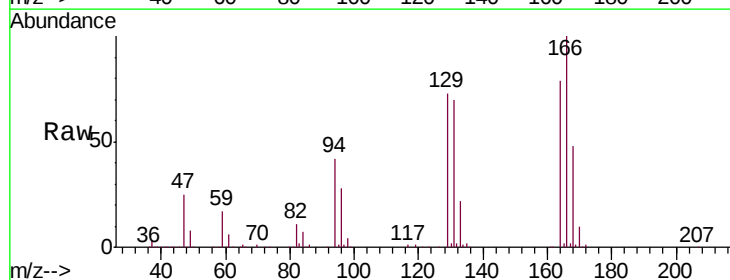
Ion Ratio Lower Upper

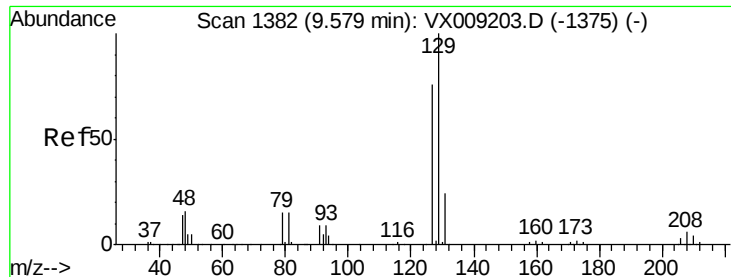
97 100

83 256.9 68.9 103.3#

85 31.9 43.8 65.6#

99 18.0 48.2 72.2#

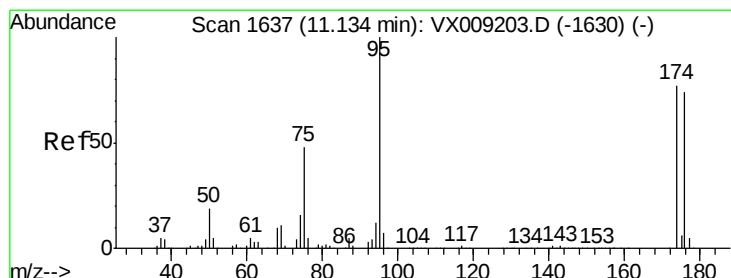
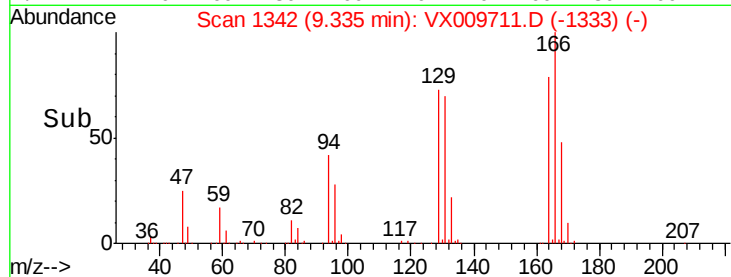
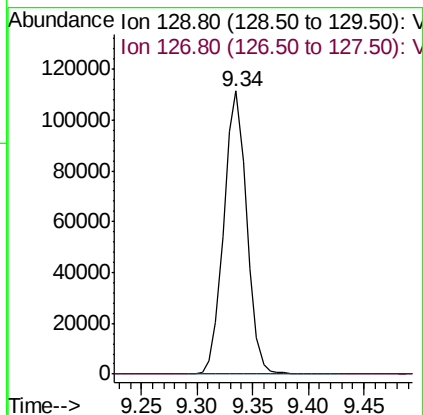
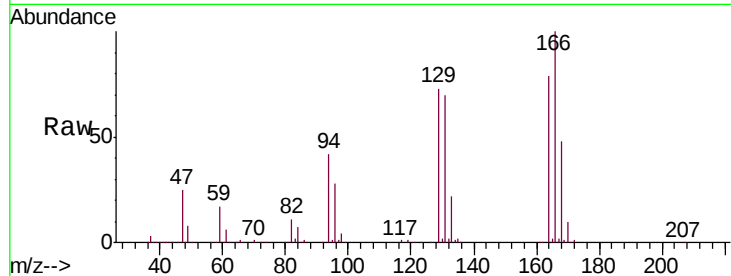




#60
 Dibromochloromethane
 Concen: 85.271 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

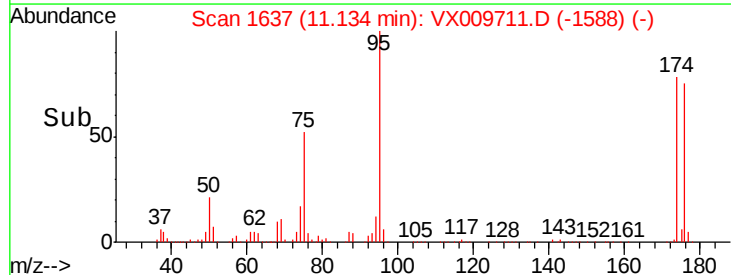
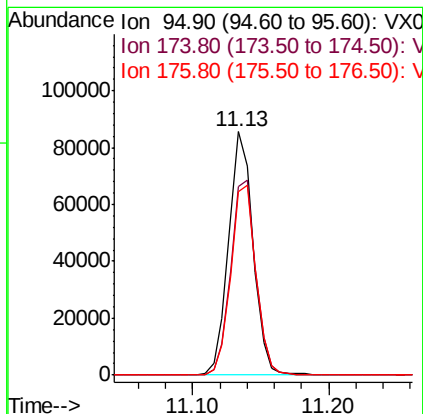
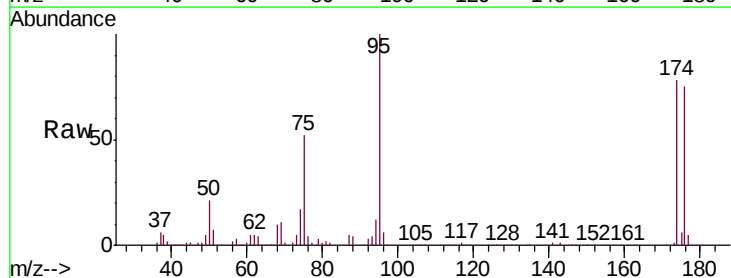
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01B_R2

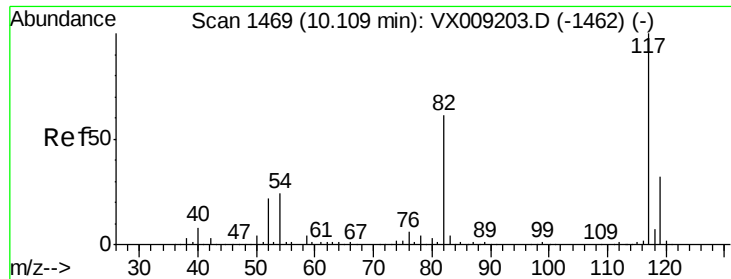
Tgt Ion: 129 Resp: 159064
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 43.478 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009711.D
 Acq: 18 May 2019 11:43

Tgt Ion: 95 Resp: 107367
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 161.6
 176 80.2 0.0 159.2

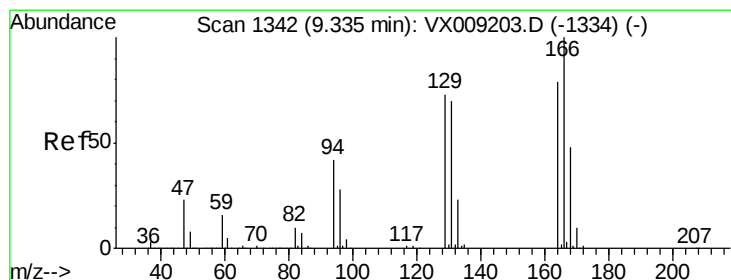
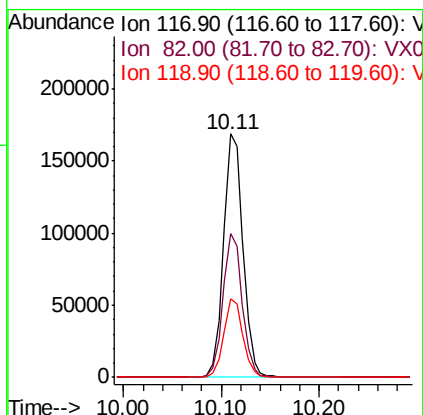
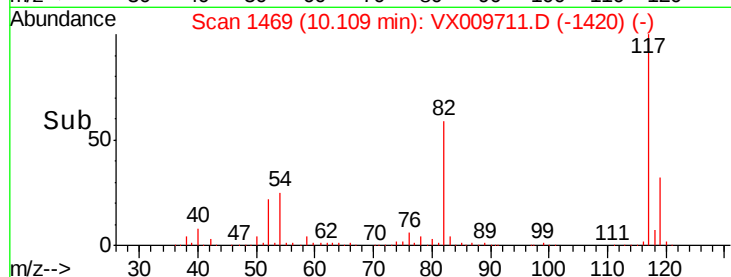
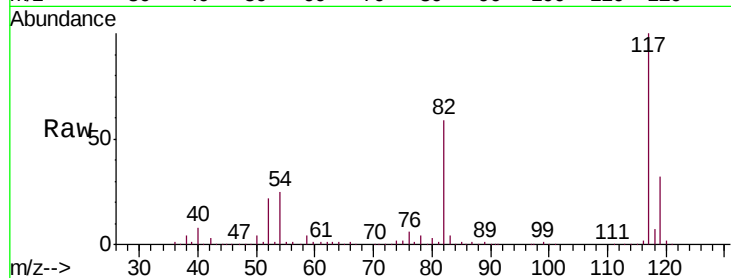




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009711.D
Acq: 18 May 2019 11:43

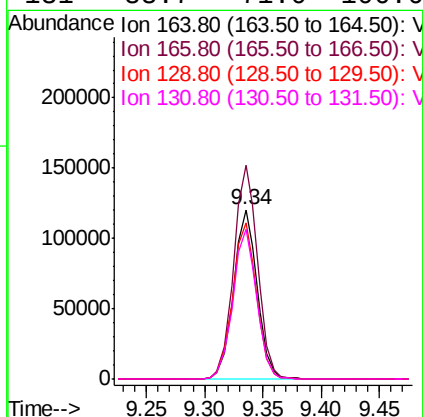
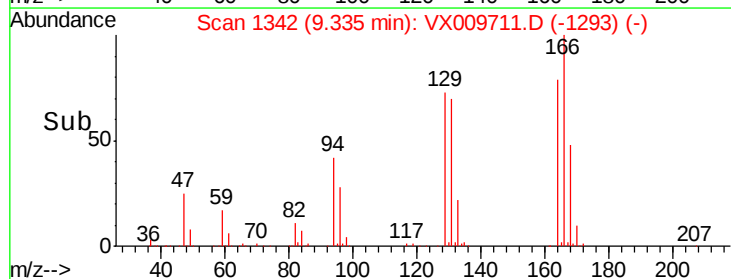
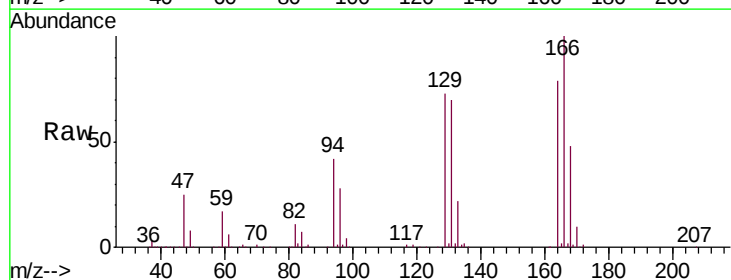
Instrument :
MSVOA_X
ClientSampleId :
MW-01B_R2

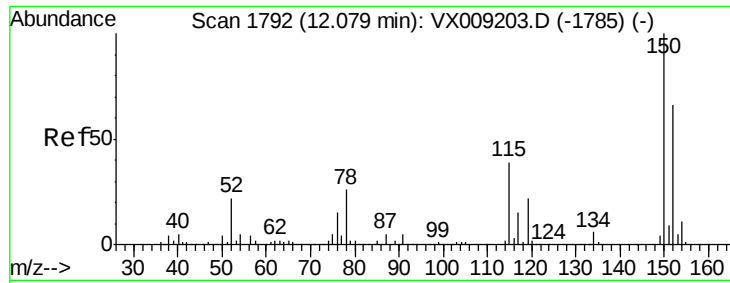
Tgt Ion:117 Resp: 233073
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 105.995 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009711.D
Acq: 18 May 2019 11:43

Tgt Ion:164 Resp: 169463
Ion Ratio Lower Upper
164 100
166 126.1 101.2 151.8
129 92.5 74.3 111.5
131 88.7 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

MW-01B_R2

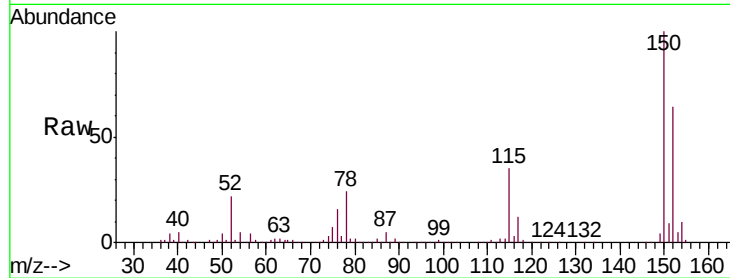
Tgt Ion:152 Resp: 94627

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

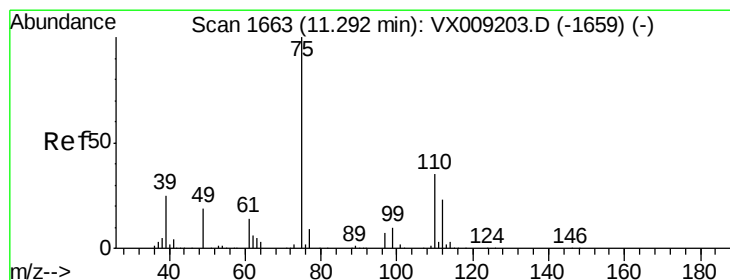
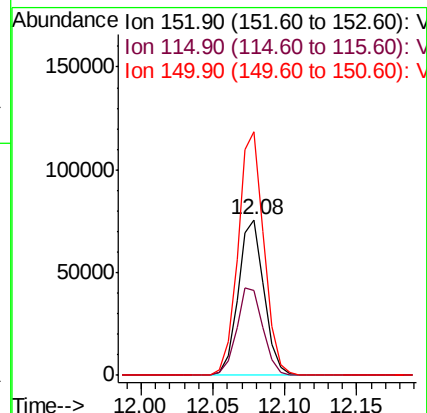
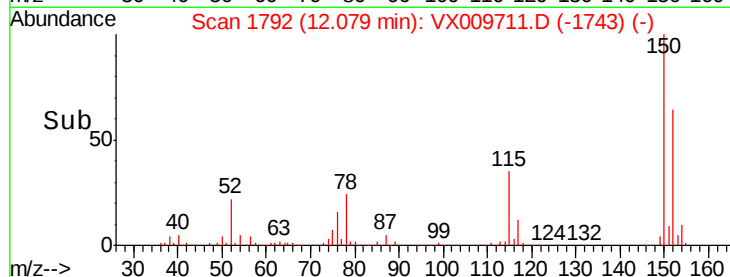
150 156.6 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 25.351 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009711.D

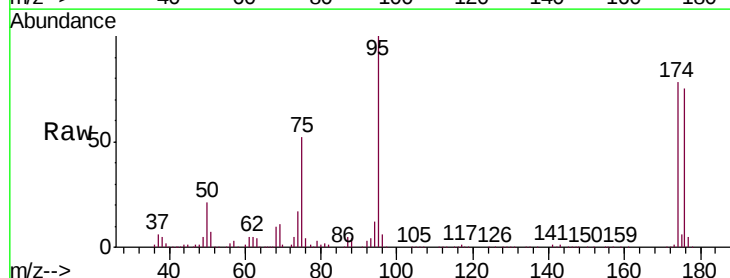
Acq: 18 May 2019 11:43

Tgt Ion: 75 Resp: 55645

Ion Ratio Lower Upper

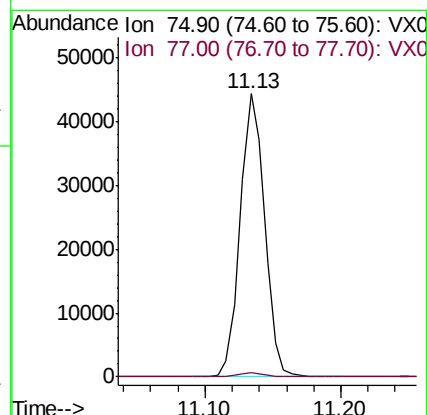
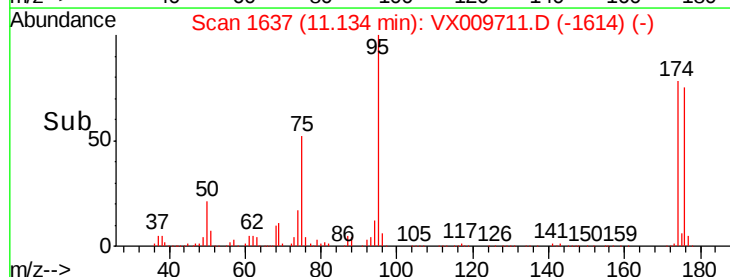
75 100

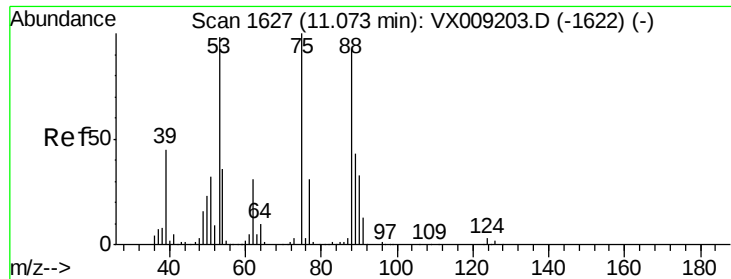
77 1.4 22.1 66.1#



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: 64.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009711.D

Acq: 18 May 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

MW-01B_R2

Tgt Ion: 75 Resp: 55645

Ion Ratio Lower Upper

75 100

53 0.4 79.0 118.6#

89 0.0 34.7 52.1#

