

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009780.D
 Acq On : 22 May 2019 05:01
 Operator : JC/SP
 Sample : K2953-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14D_R2

Quant Time: May 22 07:13:43 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	172201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118533	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	5.50	113	85946	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	348553	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	114036	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

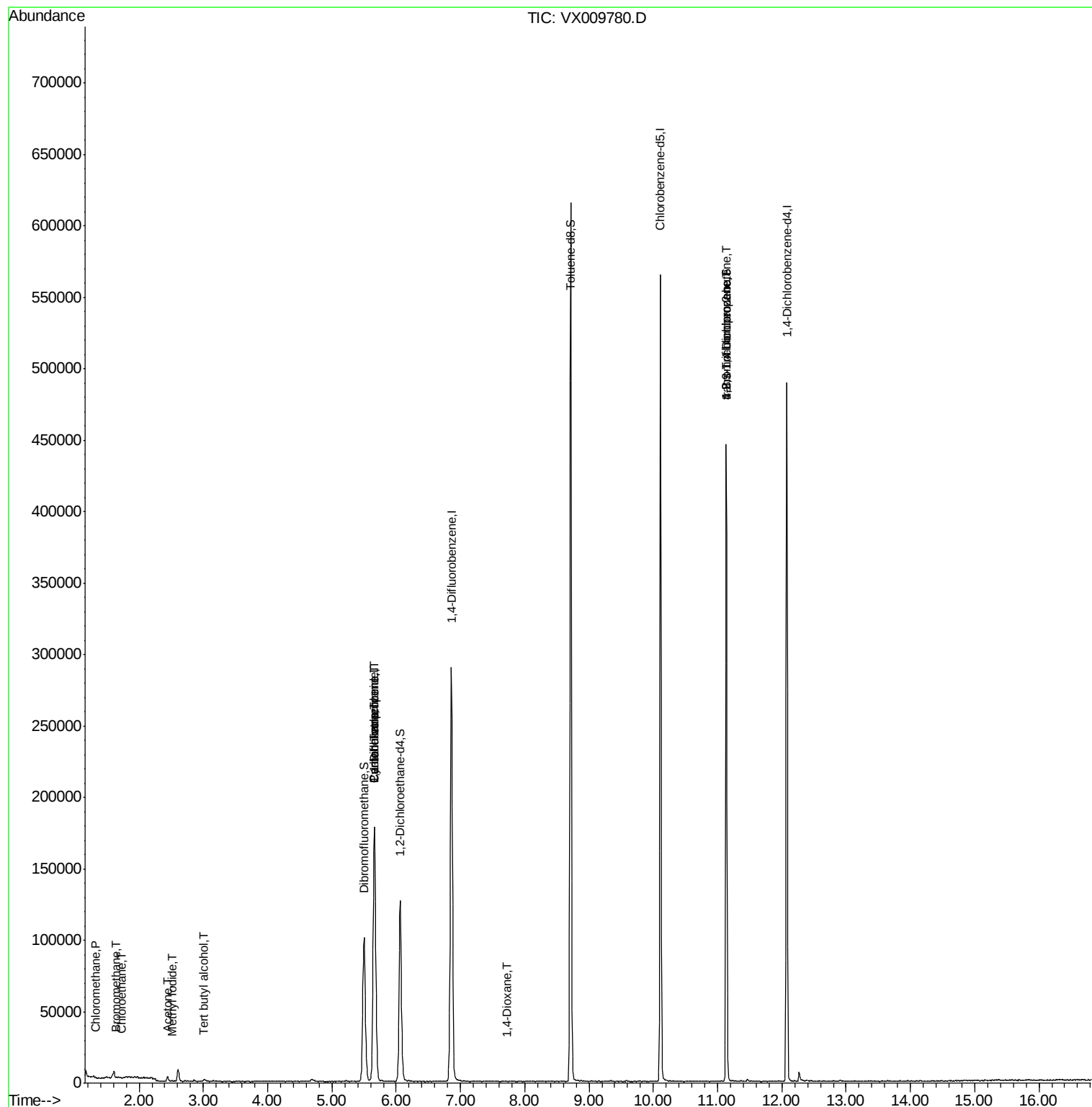
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	595	0.275	ug/l #	80
5) Bromomethane	1.65	94	377	0.297	ug/l #	78
6) Chloroethane	1.73	64	359	0.265	ug/l #	43
10) Methyl Iodide	2.52	142	139	4.661	ug/l #	42
11) Tert butyl alcohol	3.01	59	522	0.959	ug/l #	83
16) Acetone	2.45	43	3792	3.004	ug/l	98
28) Bromochloromethane	5.03	49	20	Below Cal	#	20
31) Cyclohexane	5.67	56	4016	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13584	5.256	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15844	6.748	ug/l #	16
49) 1,4-Dioxane	7.73	88	19	0.328	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	58714	25.200	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58714	64.478	ug/l #	10

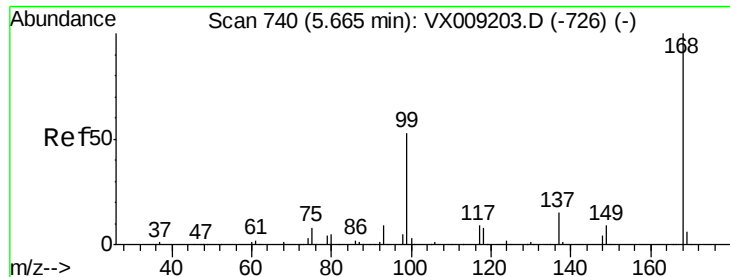
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

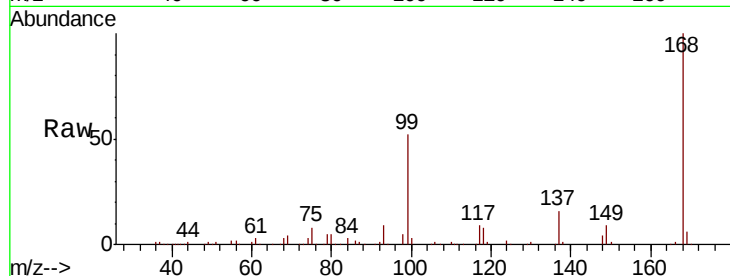
MW-14D_R2

Tot Ion:168 Resp: 172201

Ion Ratio Lower Upper

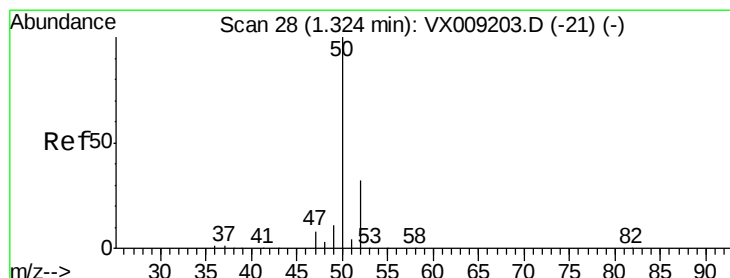
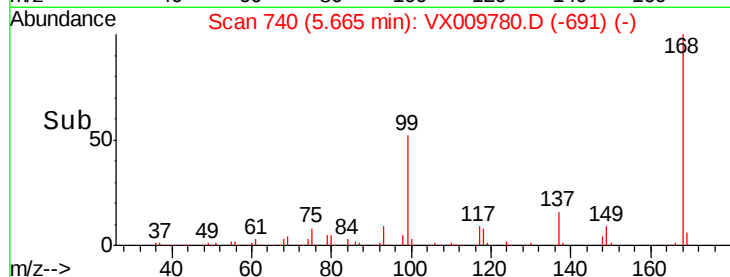
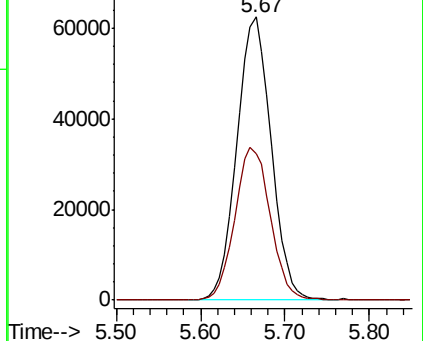
168 100

99 51.7 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: 0.275 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009780.D

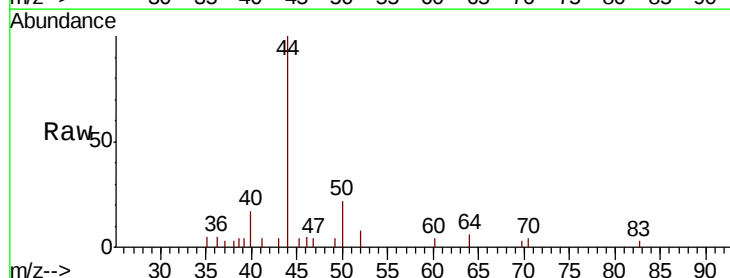
Acq: 22 May 2019 05:01

Tgt Ion: 50 Resp: 595

Ion Ratio Lower Upper

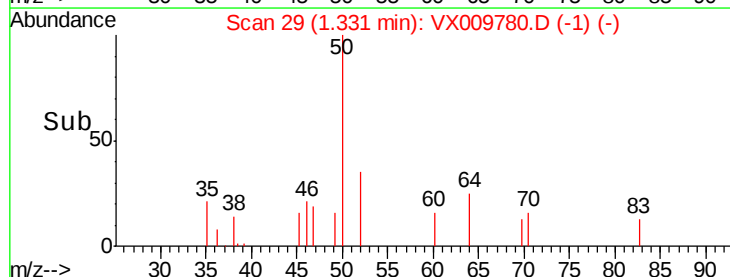
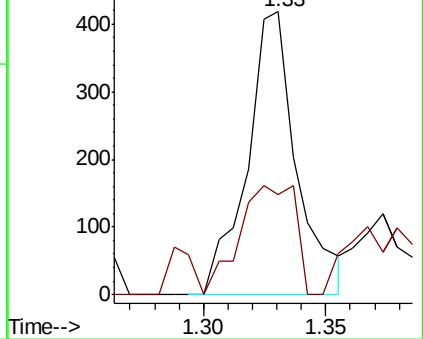
50 100

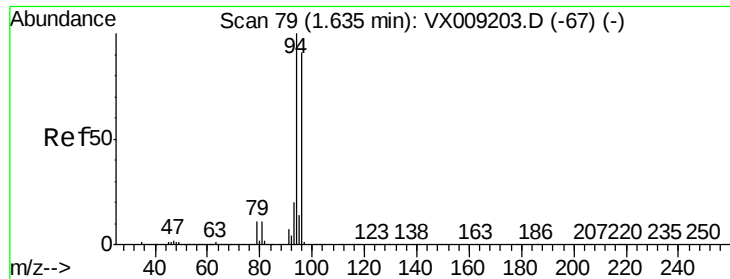
52 21.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.297 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampled :

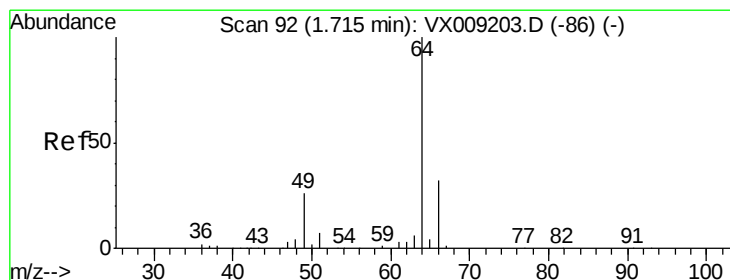
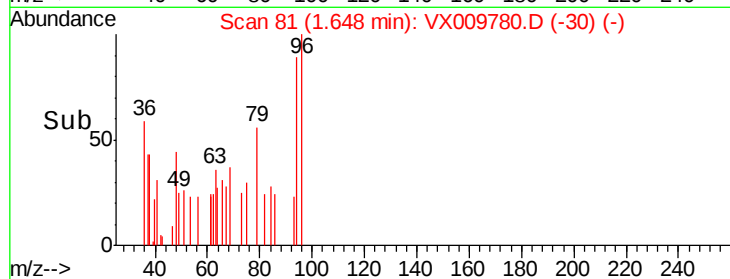
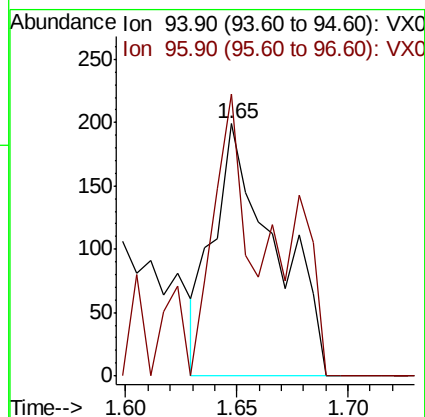
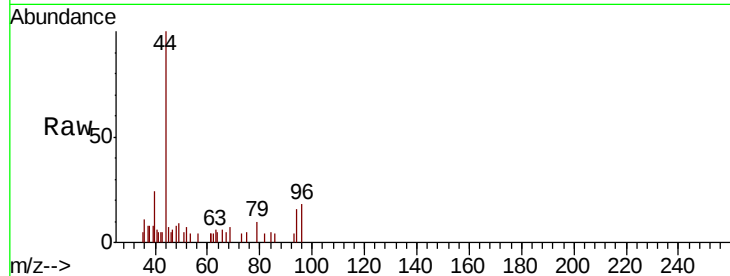
MW-14D_R2

Tot Ion: 94 Resp: 377

Ion Ratio Lower Upper

94 100

96 112.1 73.0 109.6#



#6

Chloroethane

Concen: 0.265 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009780.D

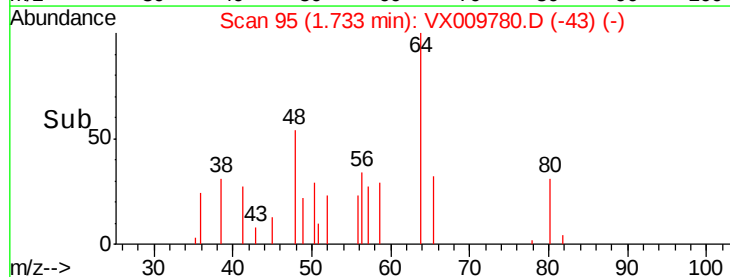
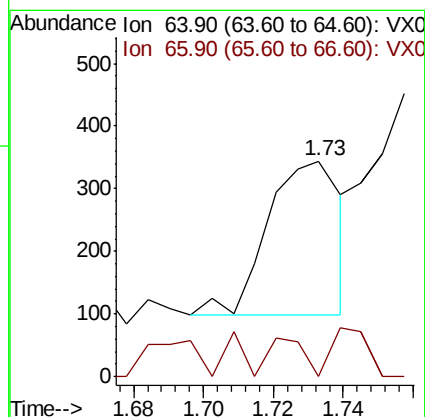
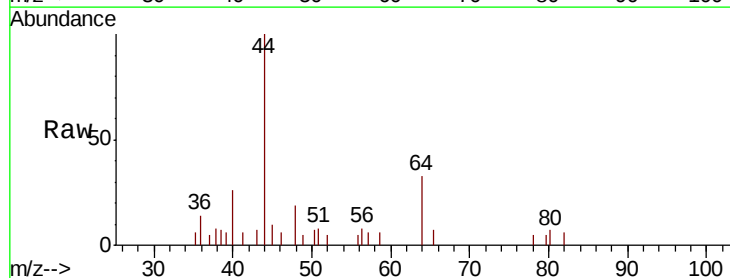
Acq: 22 May 2019 05:01

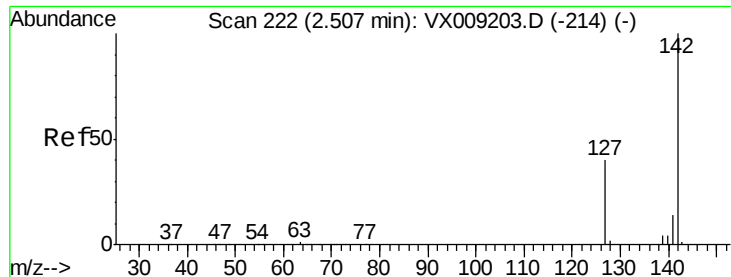
Tgt Ion: 64 Resp: 359

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

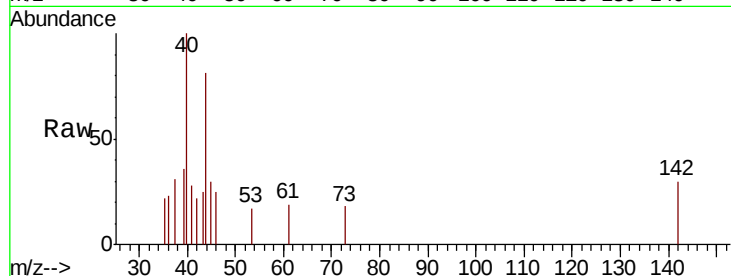




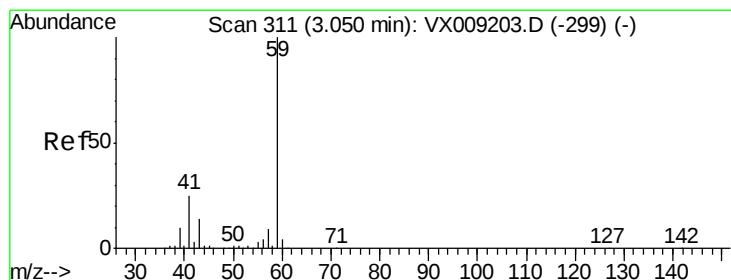
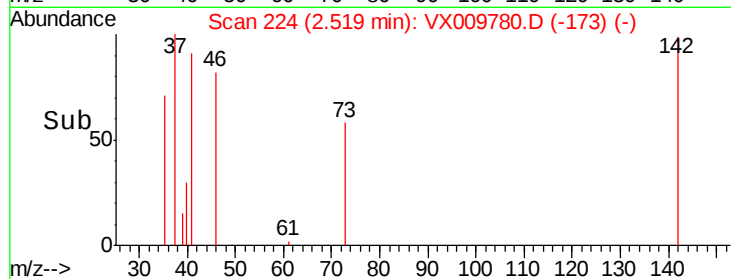
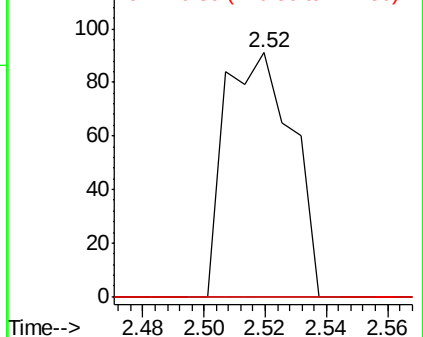
#10
Methvl Iodide
Concen: 4.661 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009780.D
Acq: 22 May 2019 05:01

Instrument :
MSVOA_X
ClientSampleId :
MW-14D_R2

Tot Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

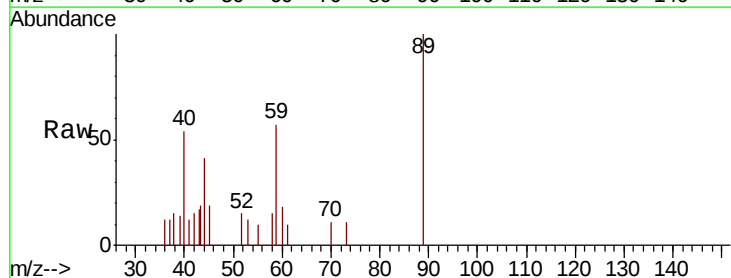


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

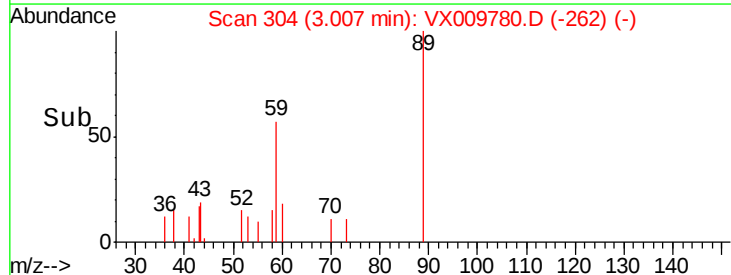
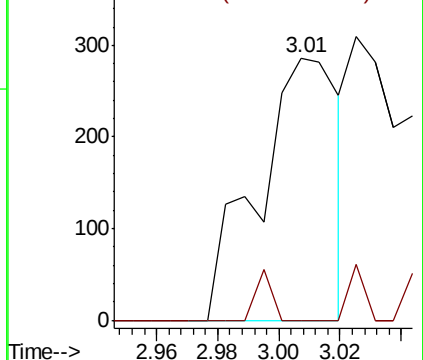


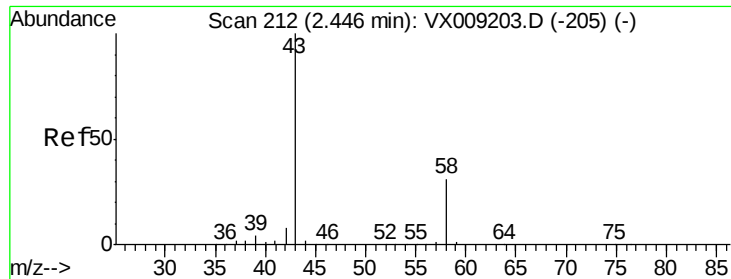
#11
Tert butyl alcohol
Concen: 0.959 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX009780.D
Acq: 22 May 2019 05:01

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#



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





#16

Acetone

Concen: 3.004 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

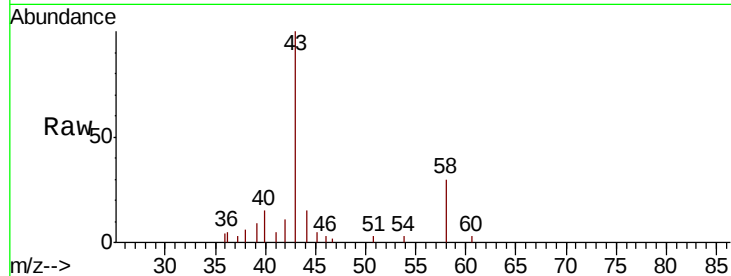
MW-14D_R2

Tot Ion: 43 Resp: 3792

Ion Ratio Lower Upper

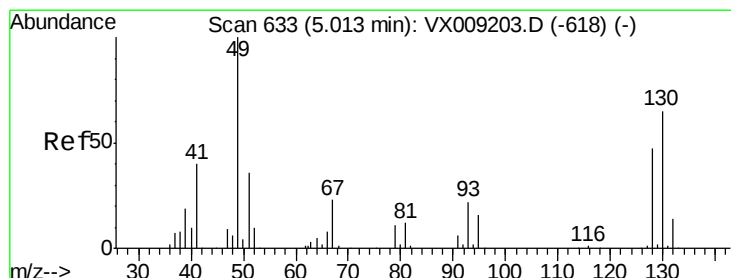
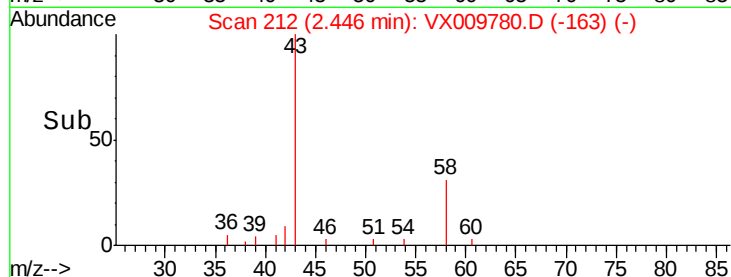
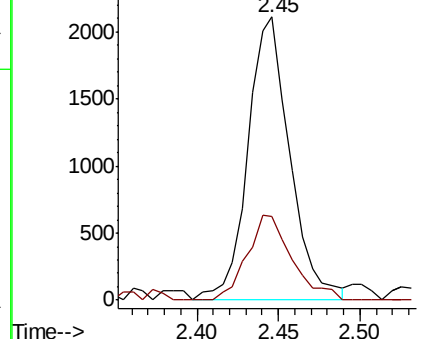
43 100

58 29.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

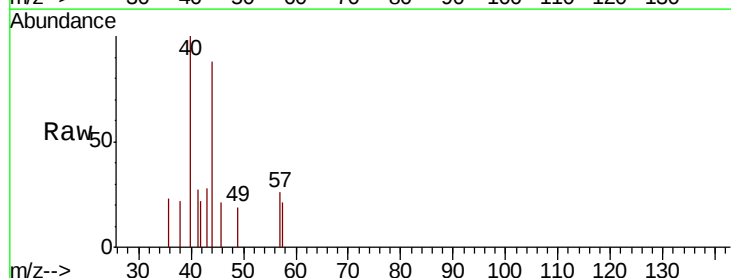
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

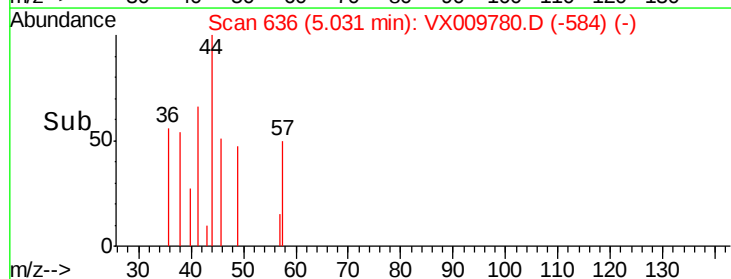
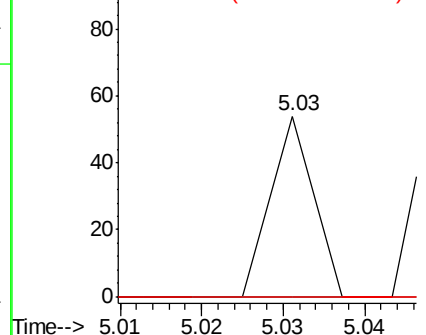
130 0.0 51.2 76.8#

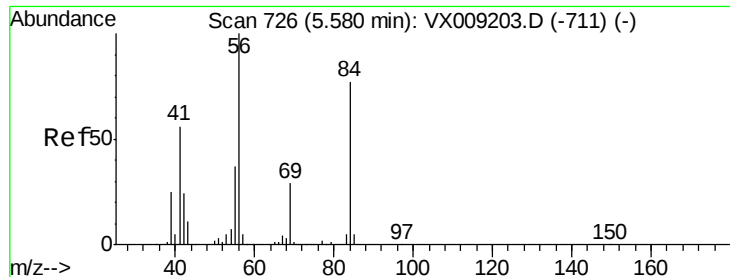


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

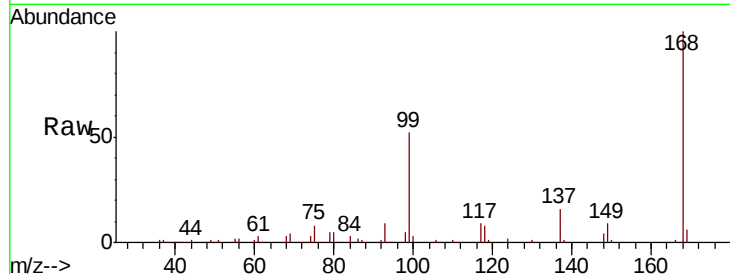




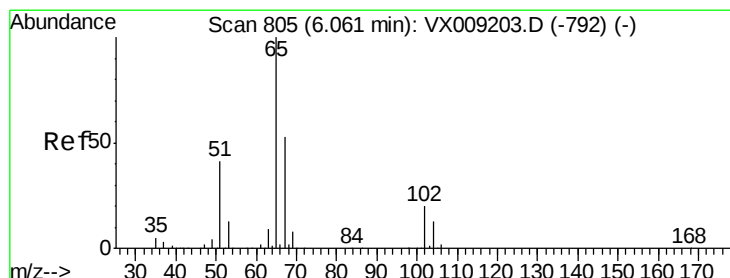
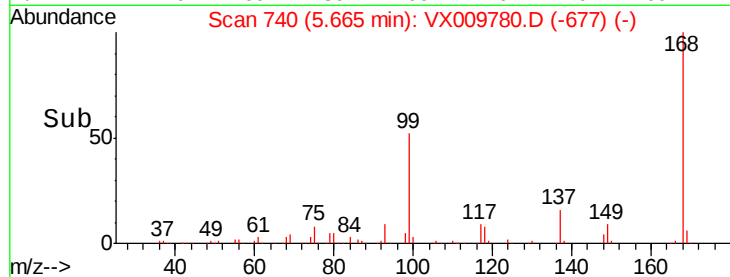
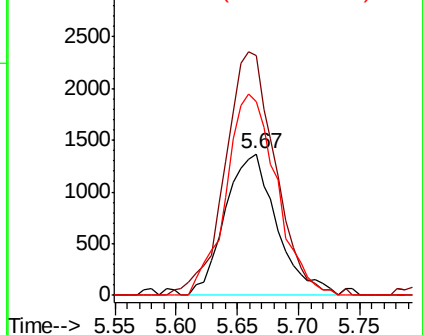
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009780.D
Acq: 22 May 2019 05:01

Instrument :
MSVOA_X
ClientSampled :
MW-14D_R2

Tot Ion: 56 Resp: 4016
Ion Ratio Lower Upper
56 100
69 169.4 23.4 35.0#
84 137.1 61.9 92.9#

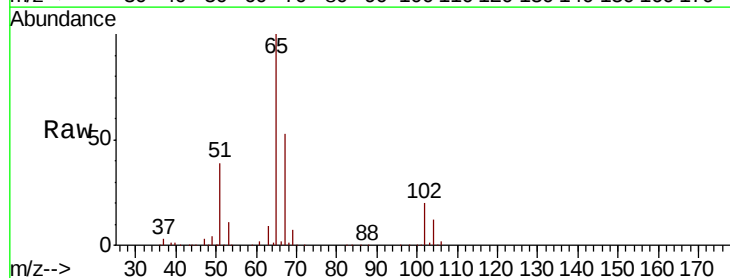


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

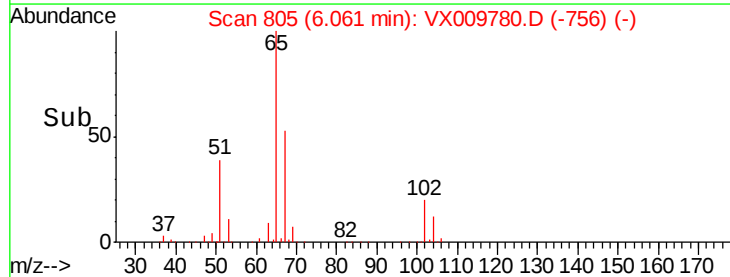
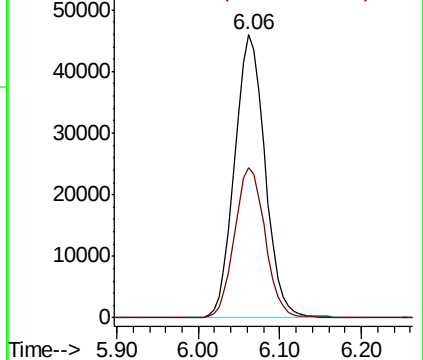


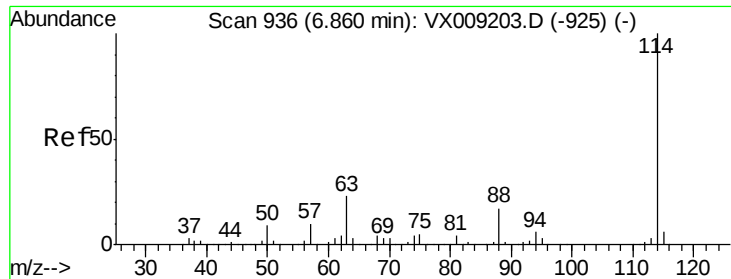
#33
1,2-Dichloroethane-d4
Concen: 50.424 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009780.D
Acq: 22 May 2019 05:01

Tgt Ion: 65 Resp: 118533
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.6



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

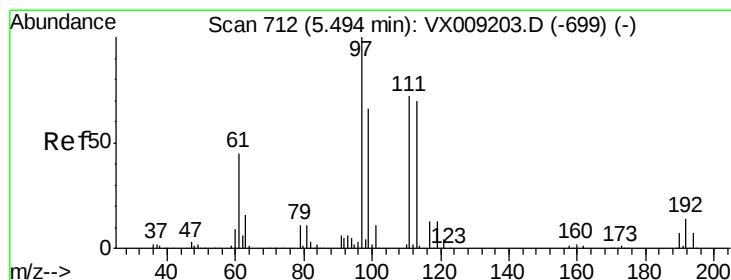
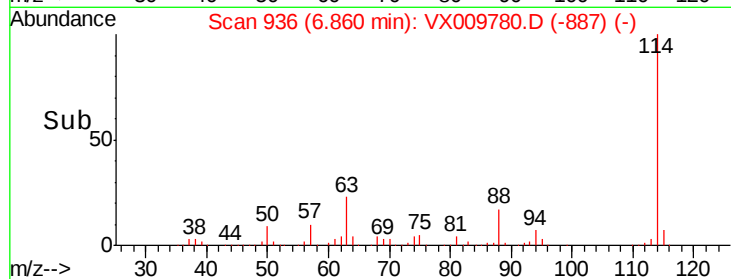
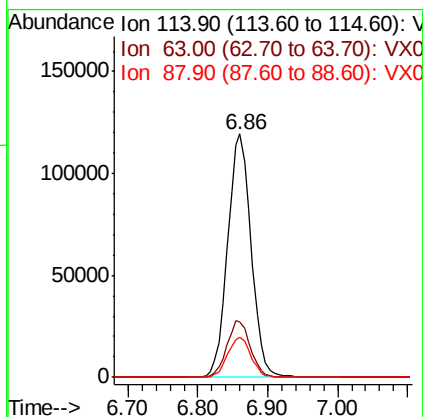
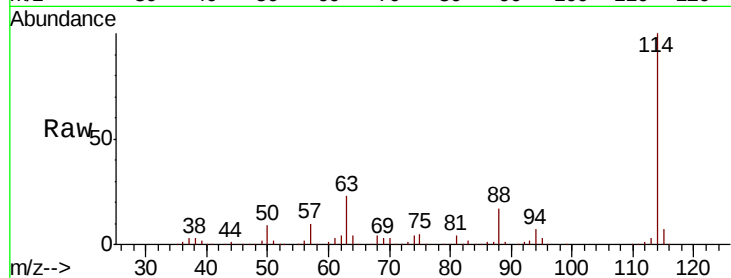




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009780.D
 Acq: 22 May 2019 05:01

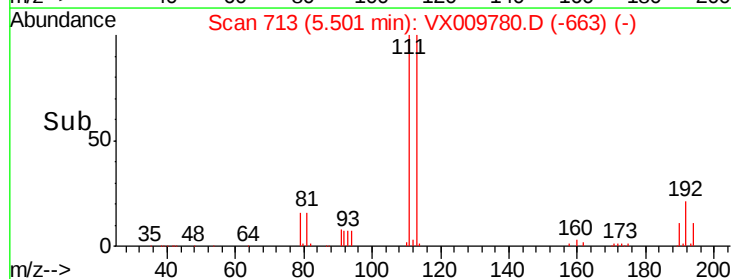
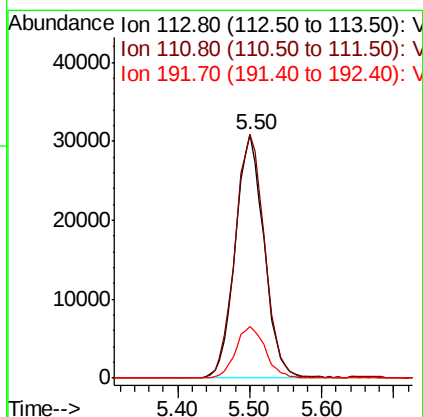
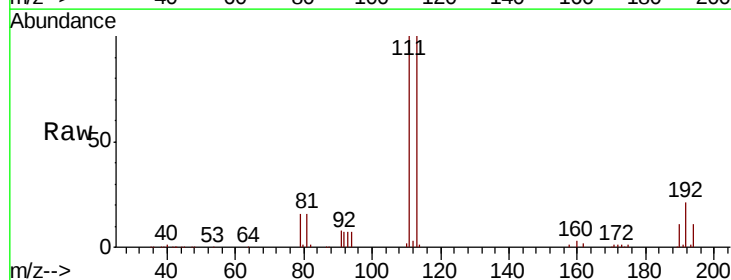
Instrument :
 MSVOA_X
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 MW-14D_R2

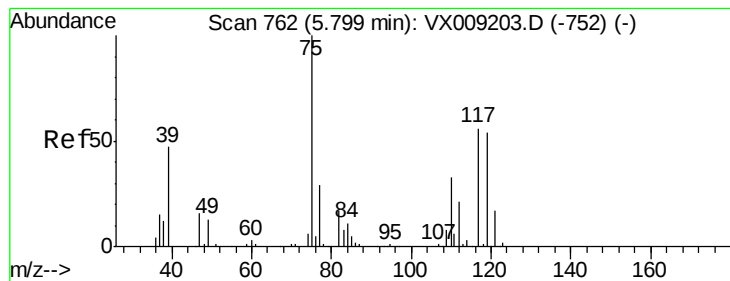
Tot Ion:114 Resp: 278085
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.7 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 49.164 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009780.D
 Acq: 22 May 2019 05:01

Tgt Ion:113 Resp: 85946
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.256 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

MW-14D_R2

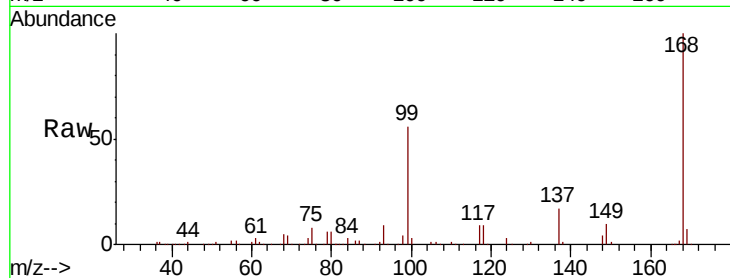
Tot Ion: 75 Resp: 13584

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

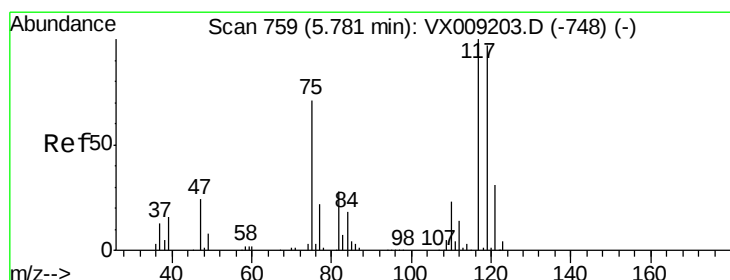
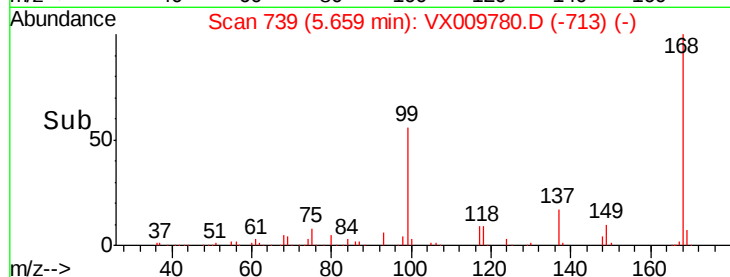
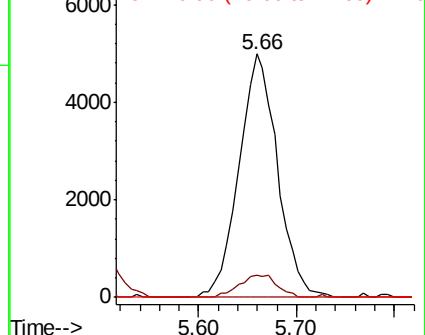
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX009780.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009780.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009780.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.748 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

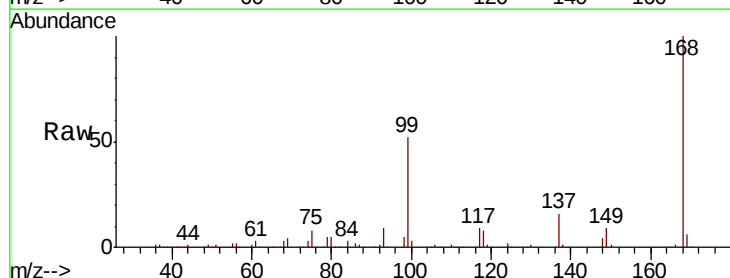
Tgt Ion: 117 Resp: 15844

Ion Ratio Lower Upper

117 100

119 6.0 77.5 116.3#

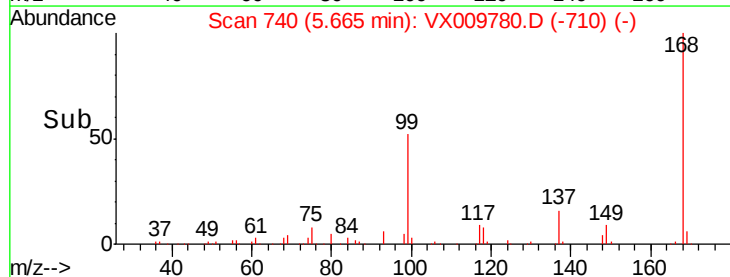
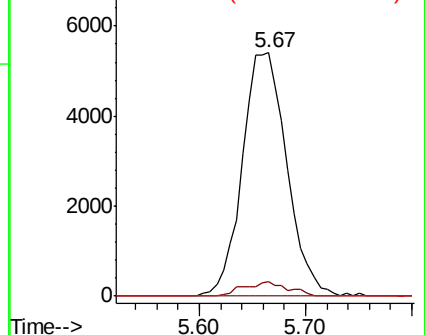
121 0.0 24.7 37.1#

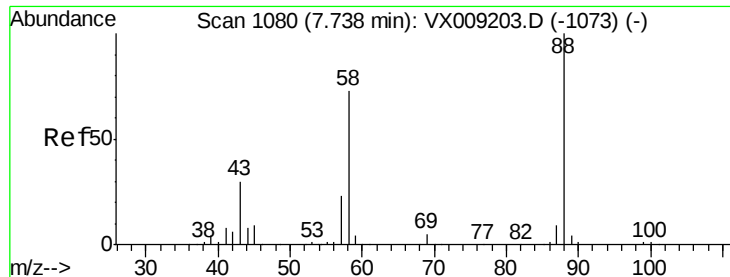


Abundance Ion 116.80 (116.50 to 117.50): VX009780.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009780.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009780.D (-710) (-)

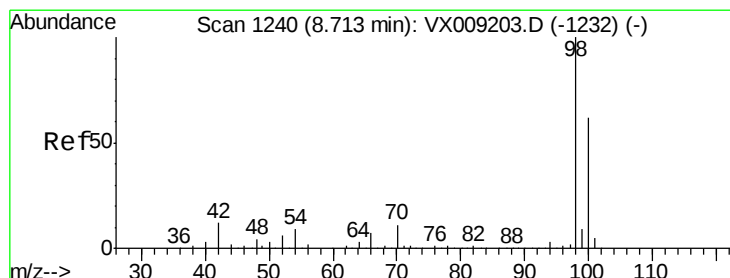
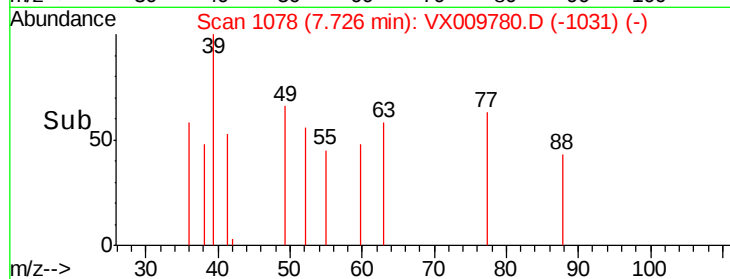
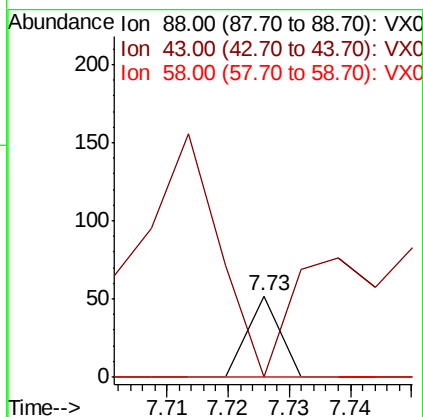
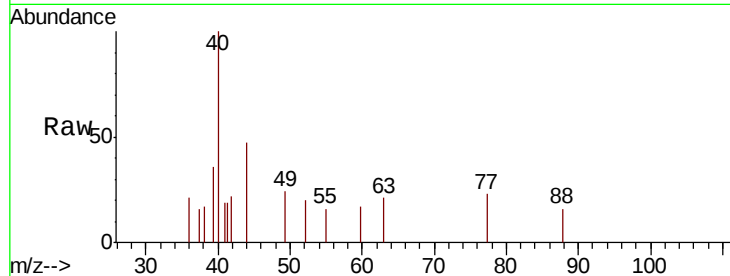




#49
 1,4-Dioxane
 Concen: 0.328 ug/l
 RT: 7.73 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VX009780.D
 Acq: 22 May 2019 05:01

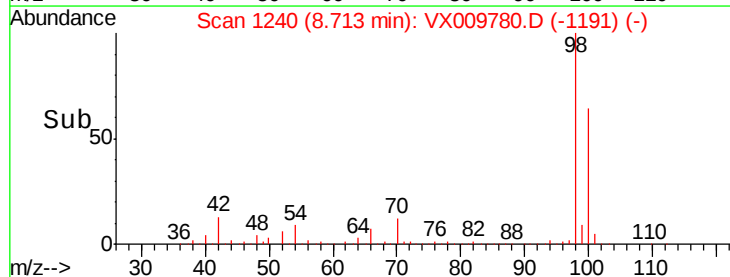
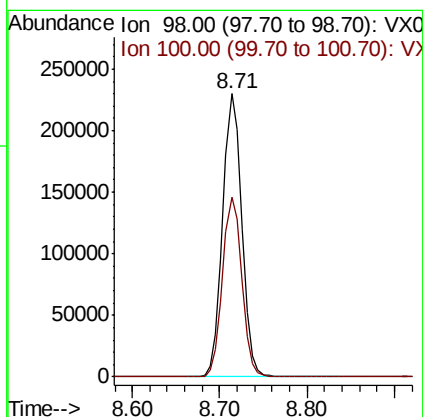
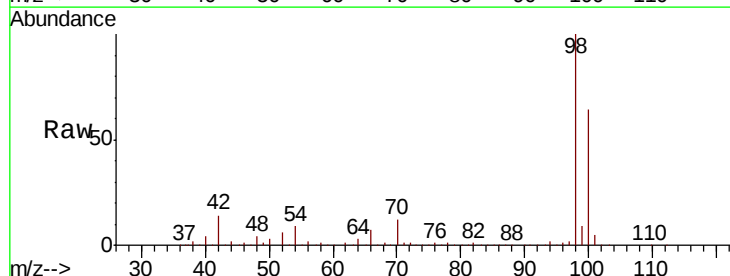
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14D_R2

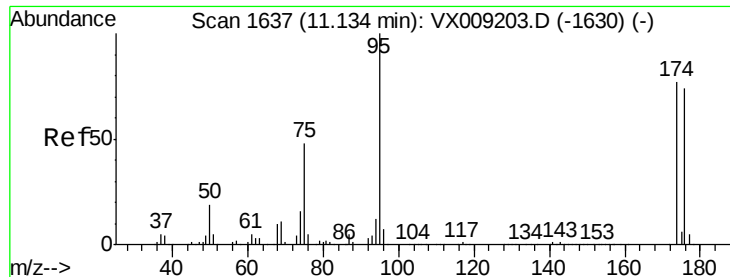
Tot Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 1084.2 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.386 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009780.D
 Acq: 22 May 2019 05:01

Tgt Ion: 98 Resp: 348553
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.467 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

MW-14D_R2

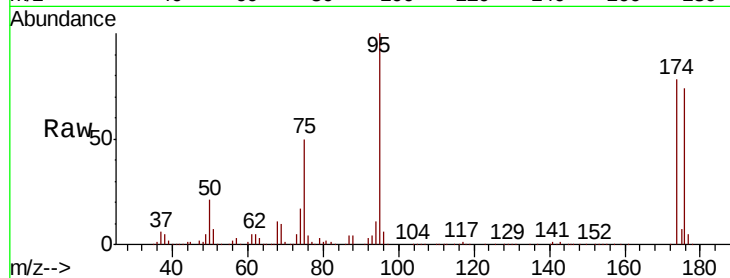
Tot Ion: 95 Resp: 114036

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

176 78.4 0.0 159.2

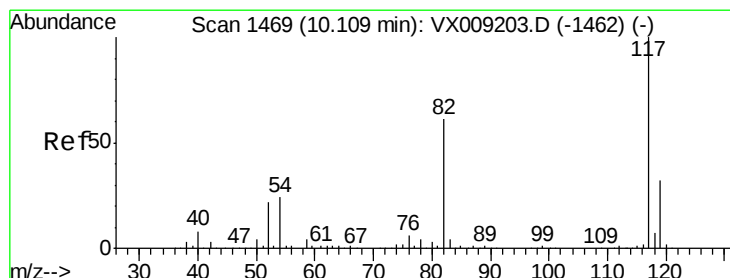
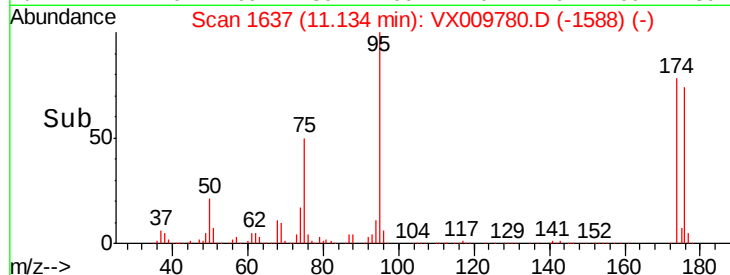
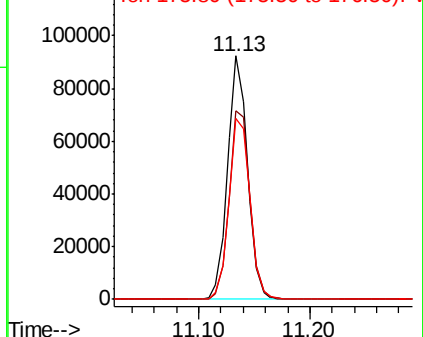


Abundance

Ion 94.90 (94.60 to 95.60): VX009780.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009780.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009780.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

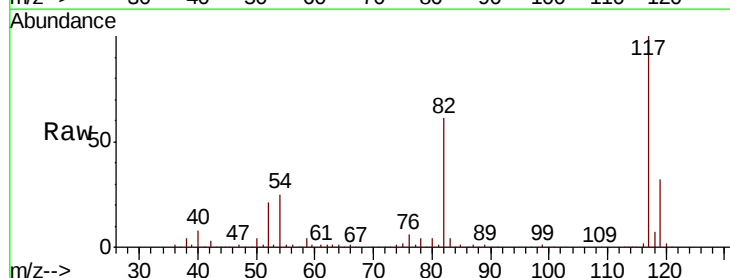
Tgt Ion: 117 Resp: 243753

Ion Ratio Lower Upper

117 100

82 60.7 48.8 73.2

119 31.9 25.8 38.6

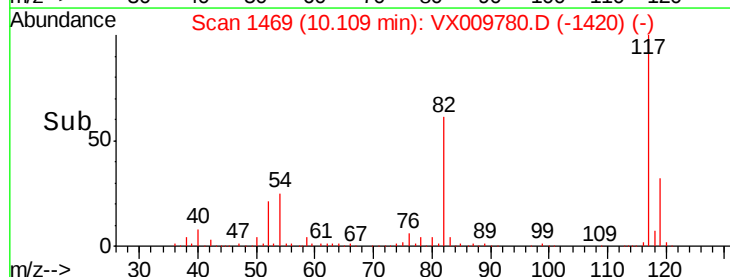
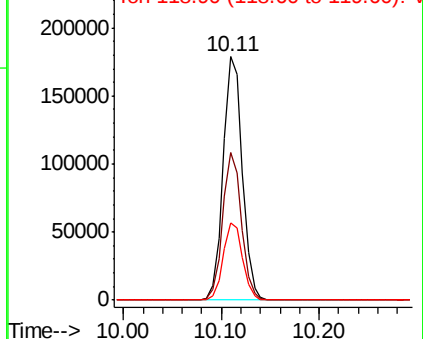


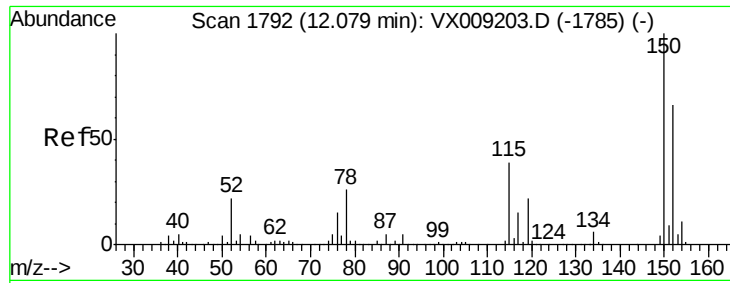
Abundance

Ion 116.90 (116.60 to 117.60): VX009780.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009780.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009780.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

MW-14D_R2

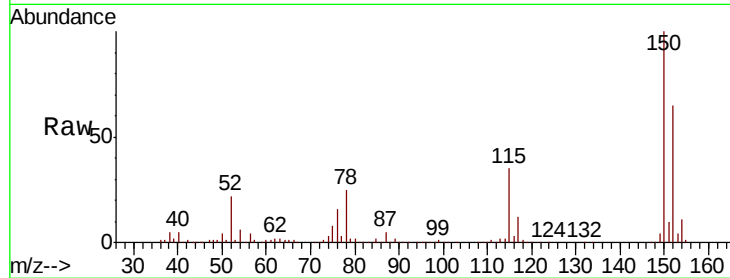
Tot Ion:152 Resp: 100443

Ion Ratio Lower Upper

152 100

115 58.1 41.2 123.6

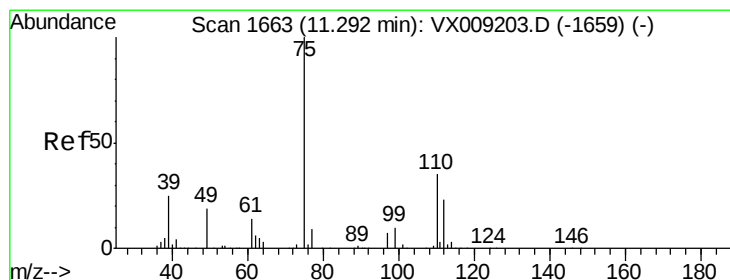
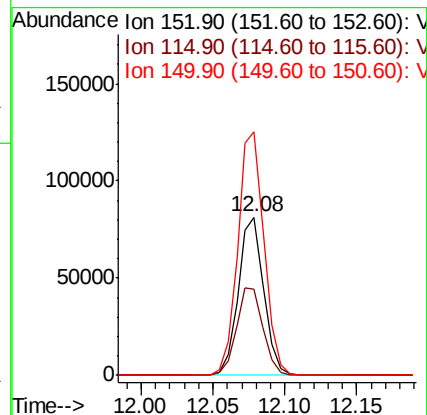
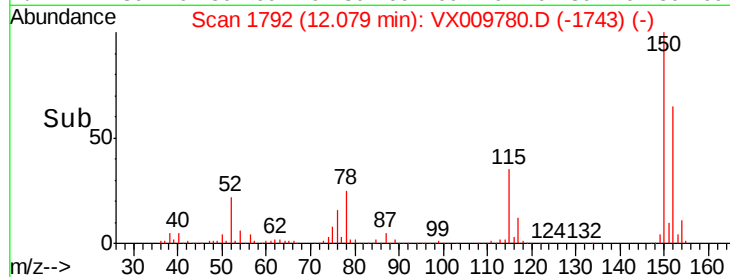
150 158.8 0.0 346.4



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: 25.200 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009780.D

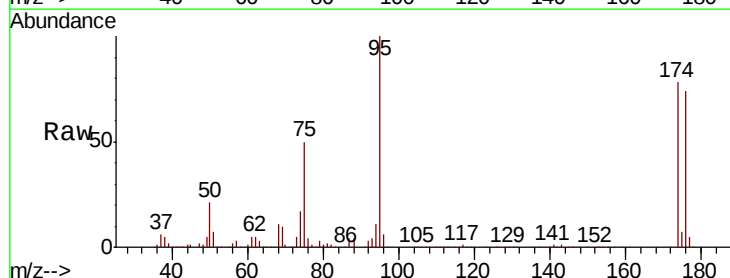
Acq: 22 May 2019 05:01

Tgt Ion: 75 Resp: 58714

Ion Ratio Lower Upper

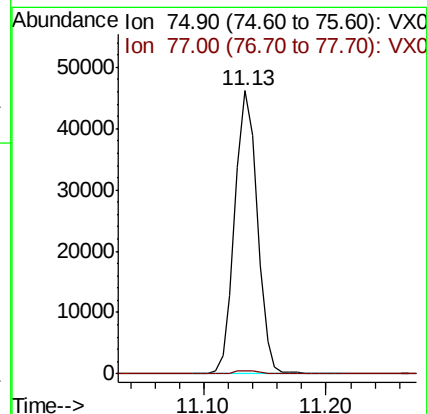
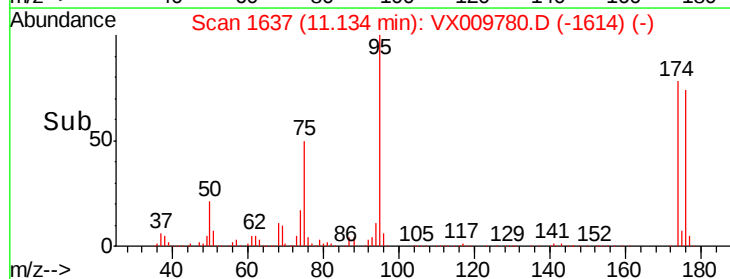
75 100

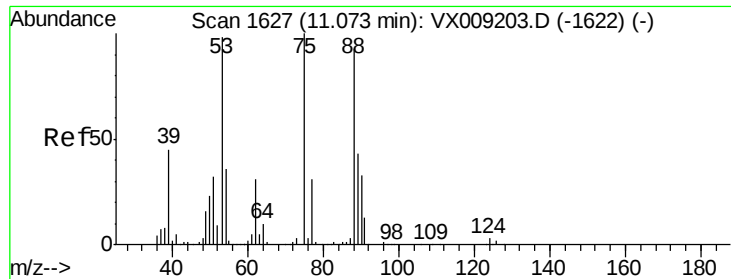
77 1.4 22.1 66.1#



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: 64.478 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009780.D

Acq: 22 May 2019 05:01

Instrument :

MSVOA_X

ClientSampleId :

MW-14D_R2

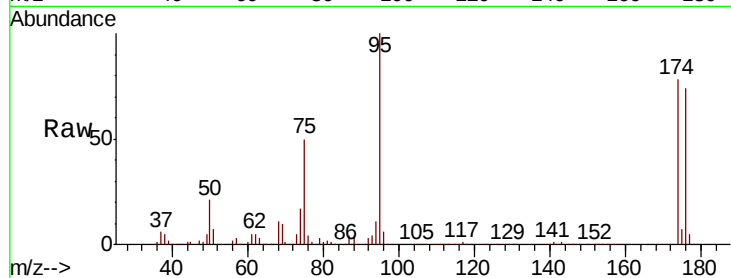
Tot Ion: 75 Resp: 58714

Ion Ratio Lower Upper

75 100

53 0.2 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

