

Data File : VX009706.D
Acq On : 18 May 2019 09:46
Operator : JC/SP
Sample : K2901-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 60 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-9D_R2

Quant Time: May 20 04:17:28 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	172298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102315	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	116400	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	5.50	113	84699	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	8.71	98	344232	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	113666	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	

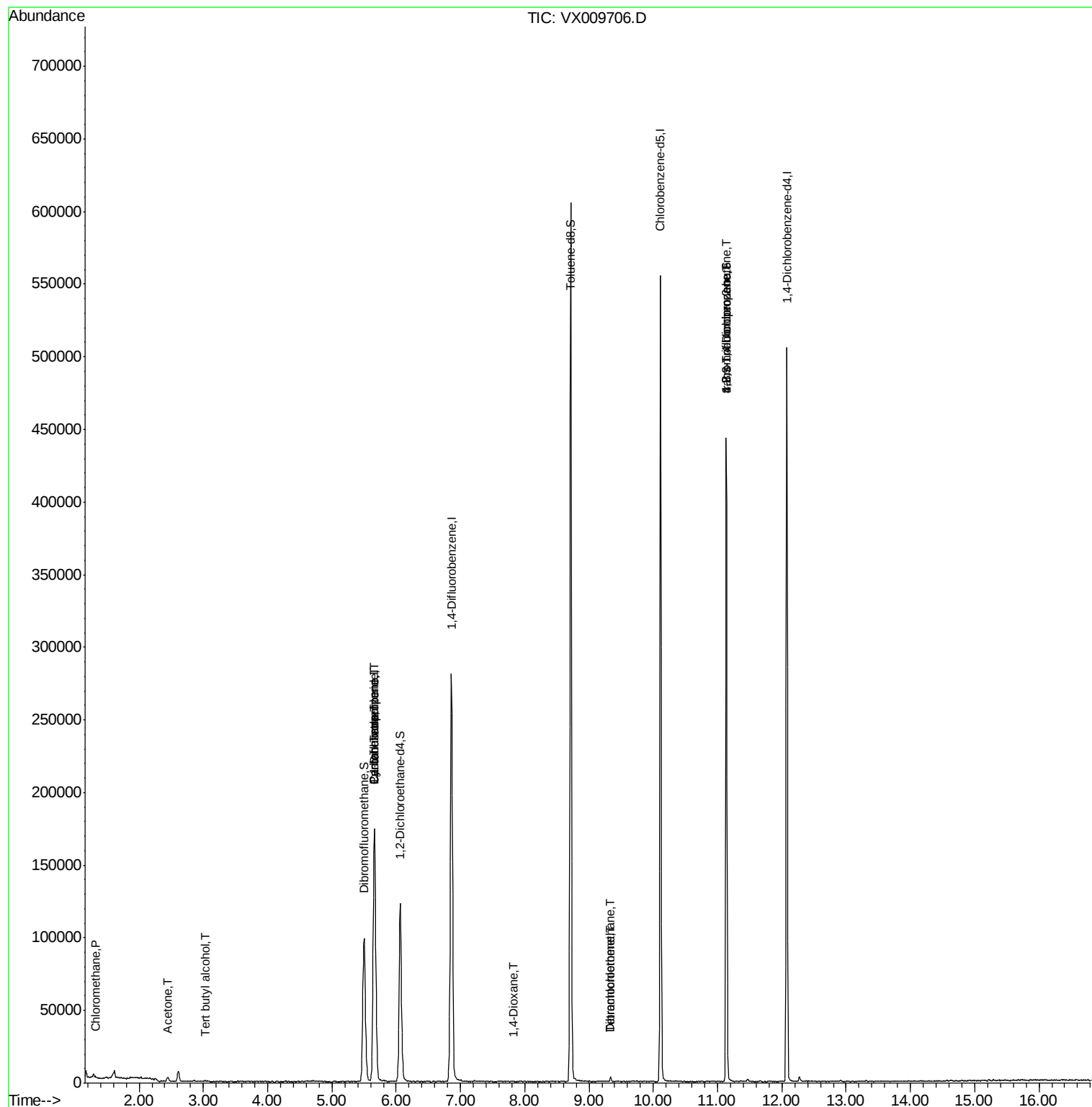
Target Compounds			Qvalue			
3) Chloromethane	1.33	50	556	0.256	ug/l #	88
11) Tert butyl alcohol	3.03	59	474	0.871	ug/l #	85
16) Acetone	2.45	43	3566	2.824	ug/l	94
28) Bromochloromethane	5.03	49	26	Below Cal	#	20
31) Cyclohexane	5.65	56	3972	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13348	5.218	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16120	6.936	ug/l #	16
49) 1,4-Dioxane	7.82	88	20	0.349	ug/l #	1
60) Dibromochloromethane	9.34	129	454	0.237	ug/l #	11
64) Tetrachloroethene	9.34	164	487	0.288	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	58276	24.554	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58276	62.826	ug/l #	10

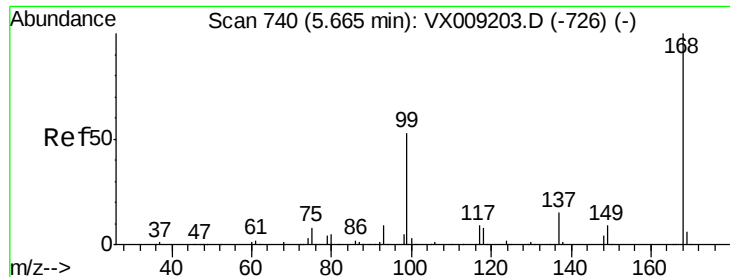
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampleId :

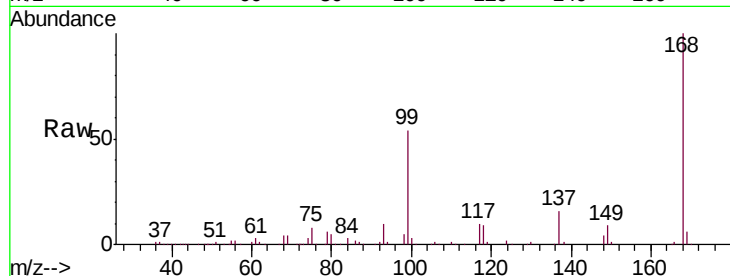
MW-9D_R2

Tgt Ion:168 Resp: 172298

Ion Ratio Lower Upper

168 100

99 54.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

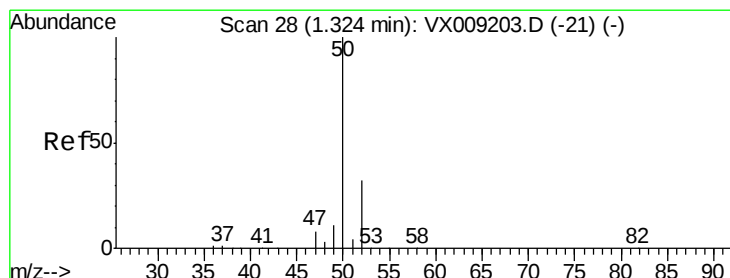
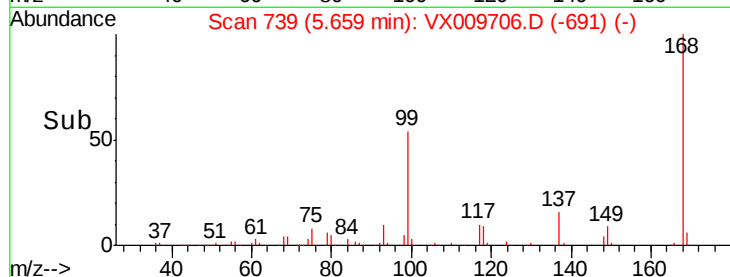
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009706.D

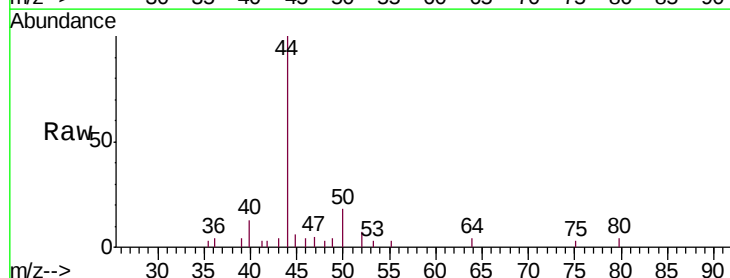
Acq: 18 May 2019 09:46

Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

50 100

52 39.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

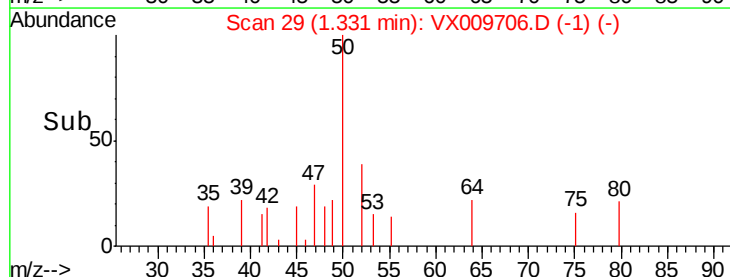
200

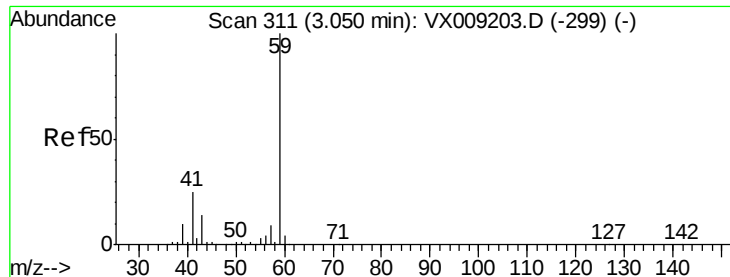
100

0

Time-->

1.30 1.35

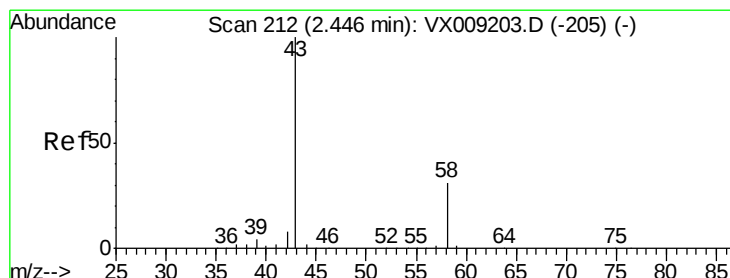
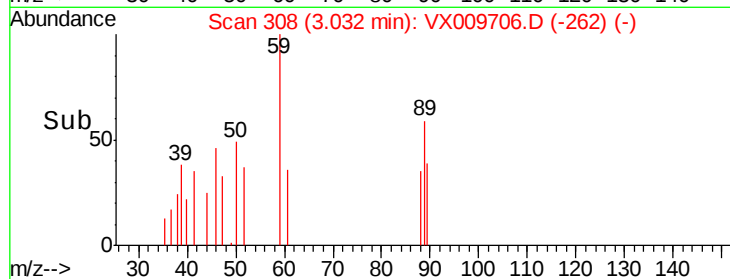
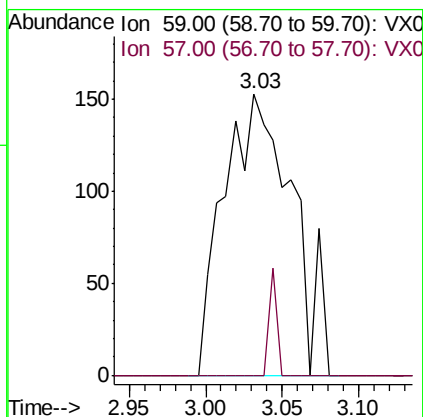
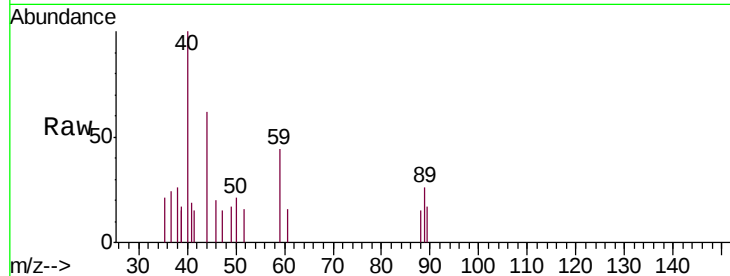




#11
Tert butyl alcohol
Concen: 0.871 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009706.D
Acq: 18 May 2019 09:46

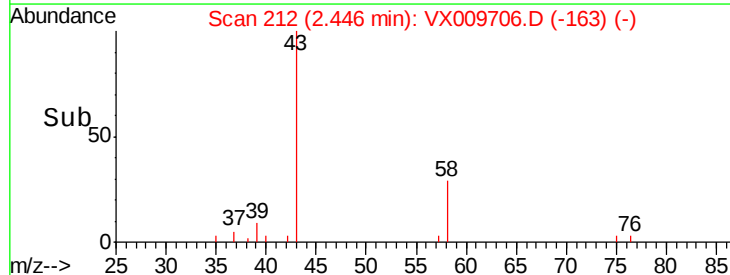
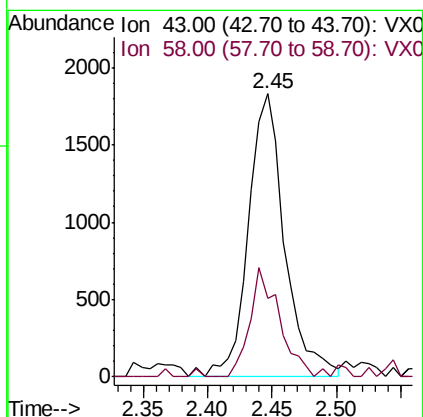
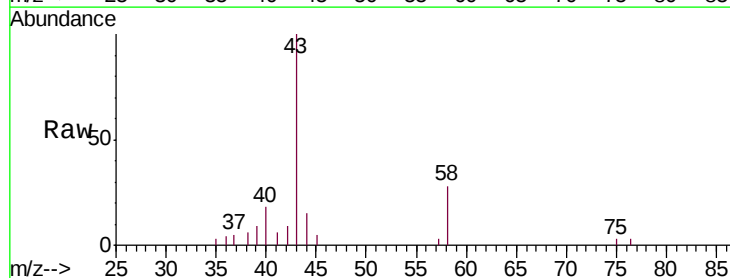
Instrument :
MSVOA_X
ClientSampled :
MW-9D_R2

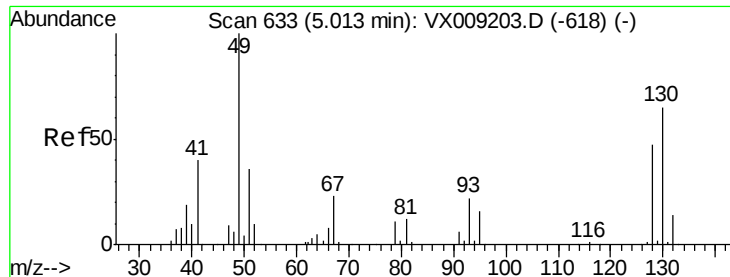
Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 4.4 8.2 12.2#



#16
Acetone
Concen: 2.824 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009706.D
Acq: 18 May 2019 09:46

Tgt Ion: 43 Resp: 3566
Ion Ratio Lower Upper
43 100
58 27.9 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampleId :

MW-9D_R2

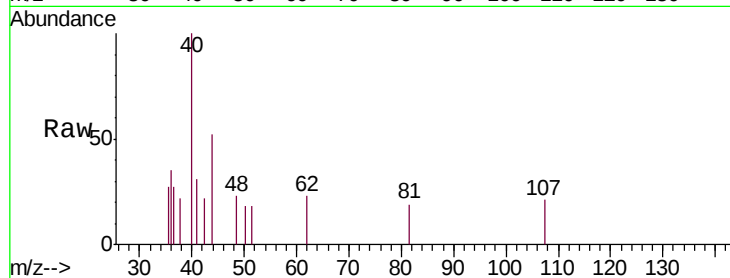
Tgt Ion: 49 Resp: 26

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

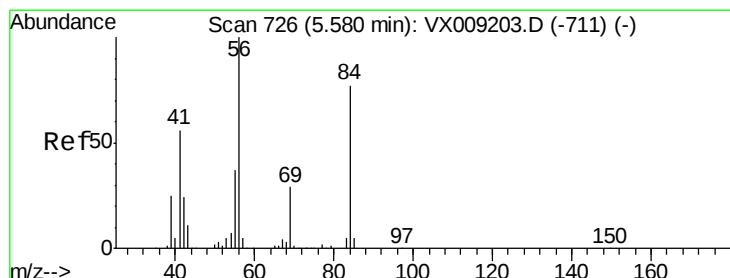
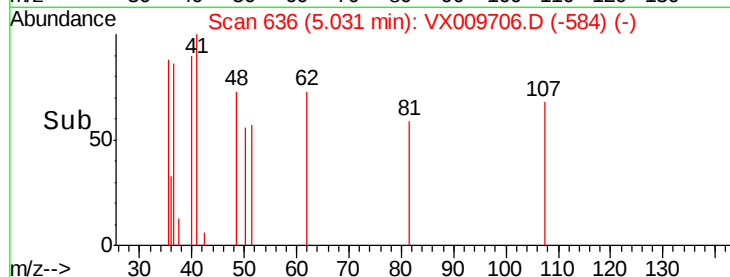
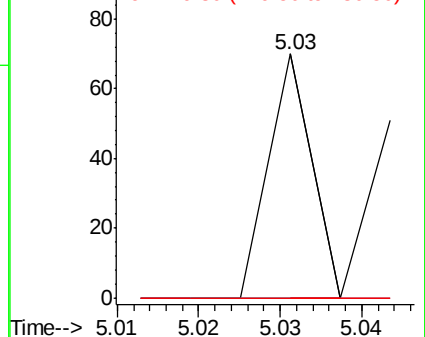
130 0.0 51.2 76.8#



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: 1.142 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

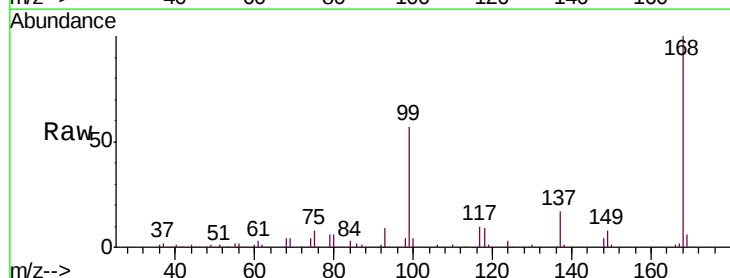
Tgt Ion: 56 Resp: 3972

Ion Ratio Lower Upper

56 100

69 174.3 23.4 35.0#

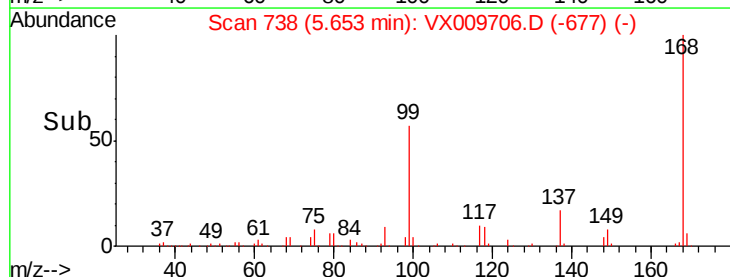
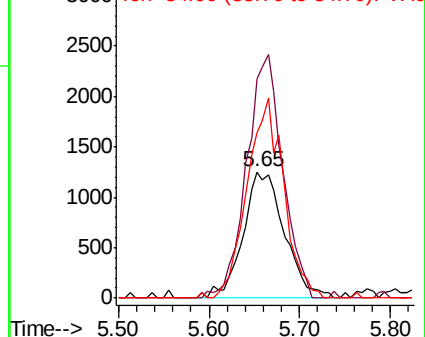
84 131.2 61.9 92.9#

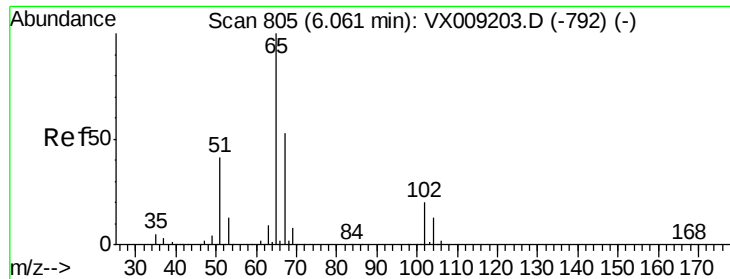


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

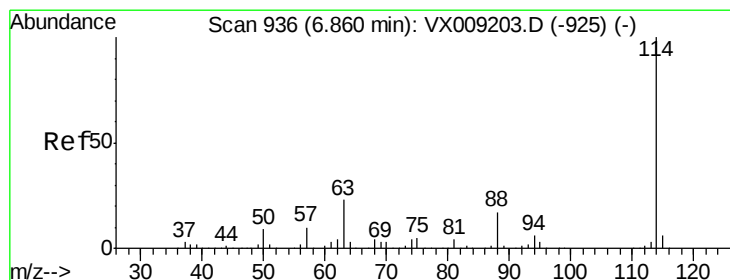
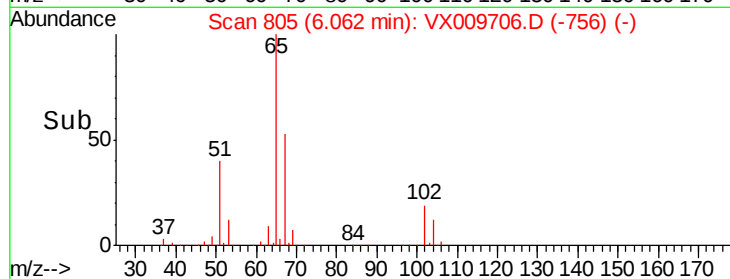
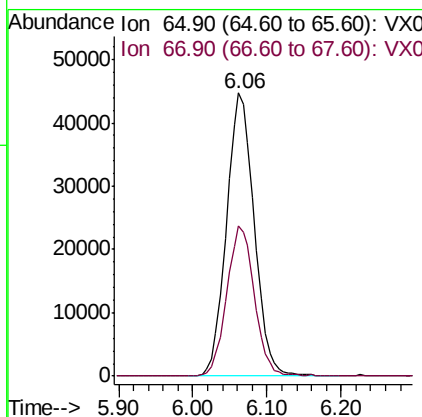
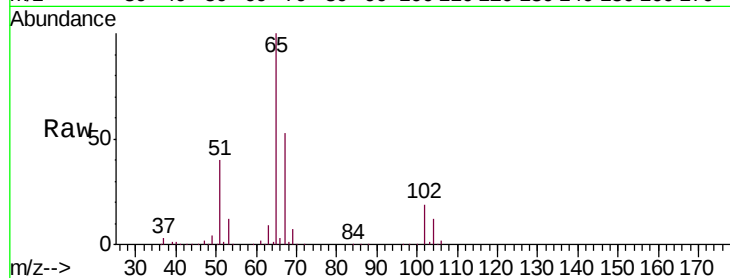




#33
 1,2-Dichloroethane-d4
 Concen: 49.488 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009706.D
 Acq: 18 May 2019 09:46

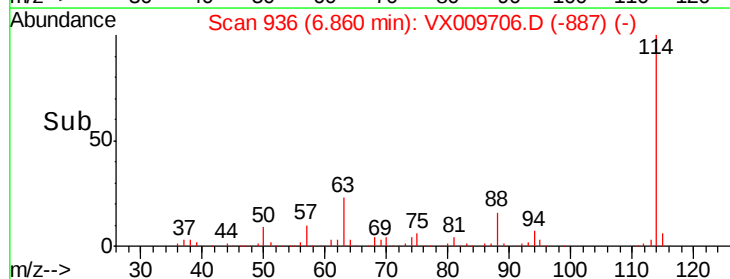
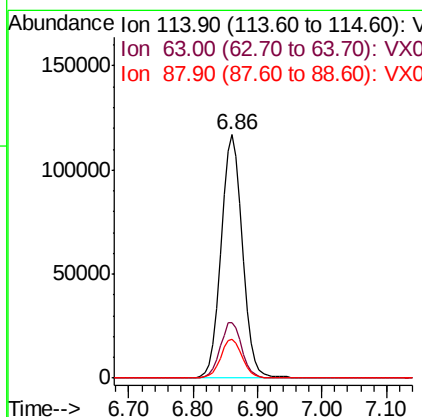
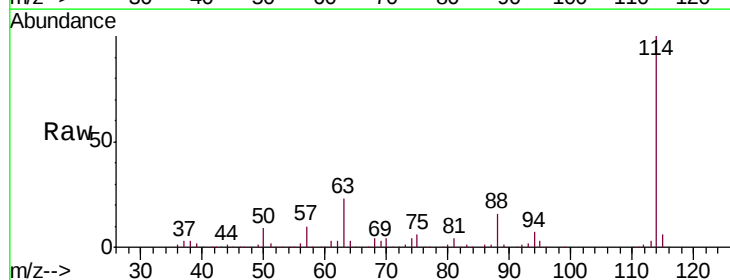
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9D_R2

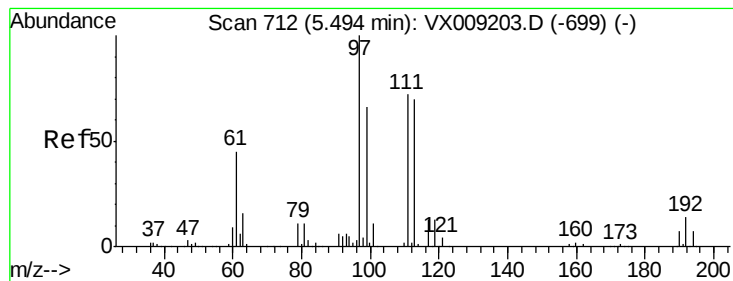
Tgt Ion: 65 Resp: 116400
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009706.D
 Acq: 18 May 2019 09:46

Tgt Ion: 114 Resp: 275270
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.946 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampleId :

MW-9D_R2

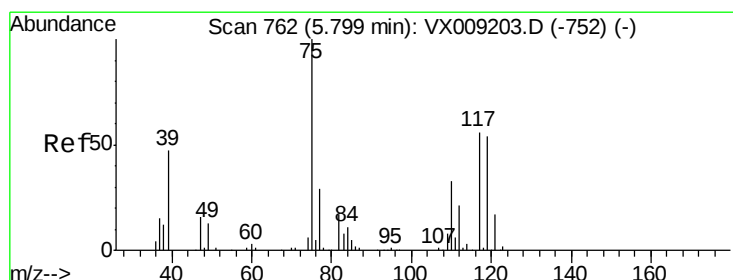
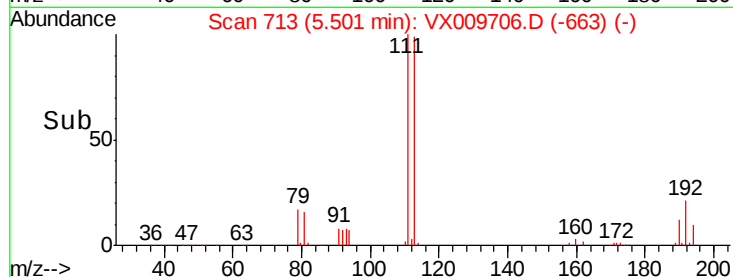
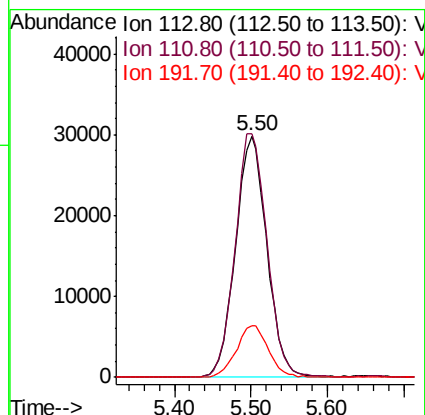
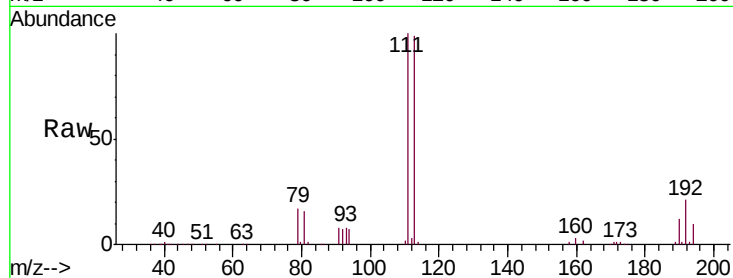
Tgt Ion:113 Resp: 84699

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 22.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.218 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

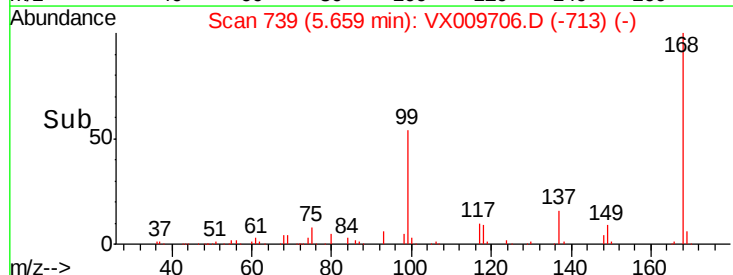
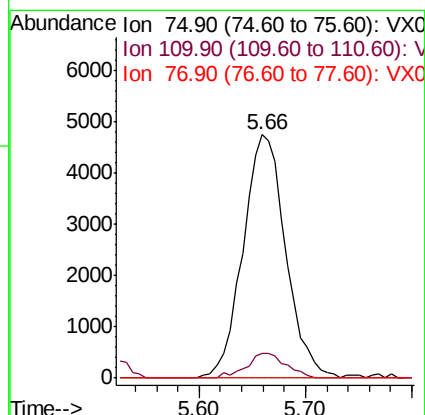
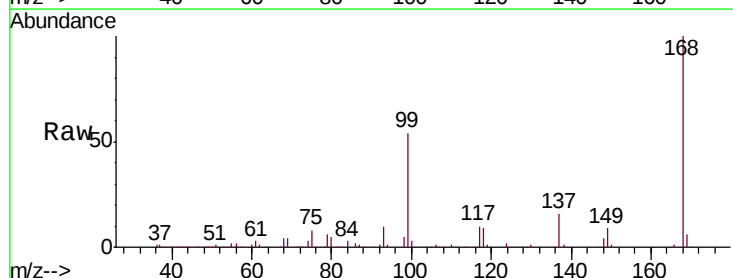
Tgt Ion: 75 Resp: 13348

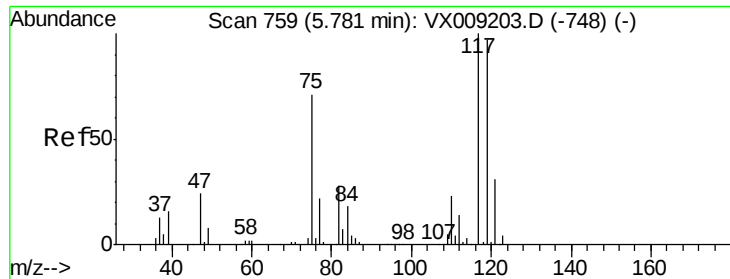
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.0 24.8 37.2#

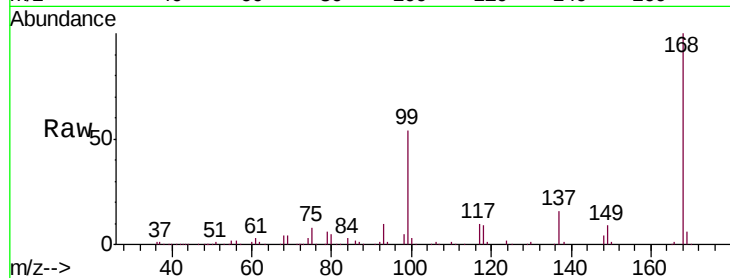




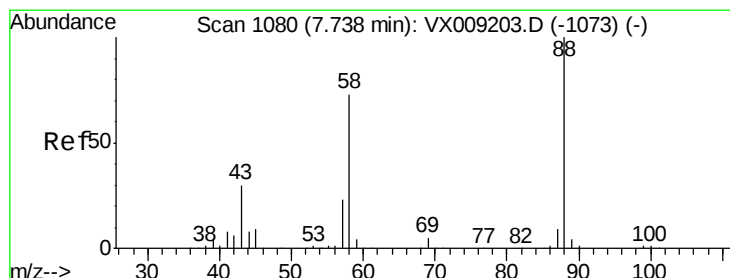
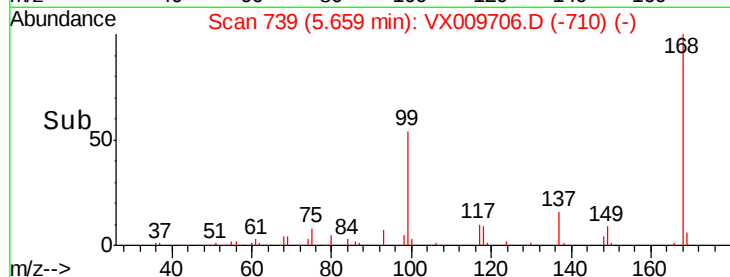
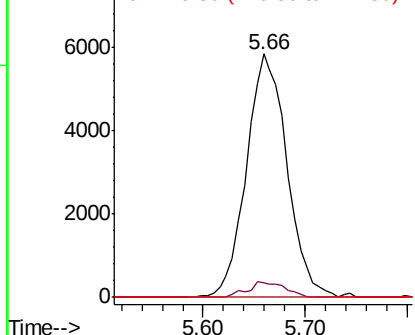
#38
Carbon Tetrachloride
Concen: 6.936 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009706.D
Acq: 18 May 2019 09:46

Instrument :
MSVOA_X
ClientSampleId :
MW-9D_R2

Tgt Ion: 117 Resp: 16120
Ion Ratio Lower Upper
117 100
119 5.8 77.5 116.3#
121 0.0 24.7 37.1#

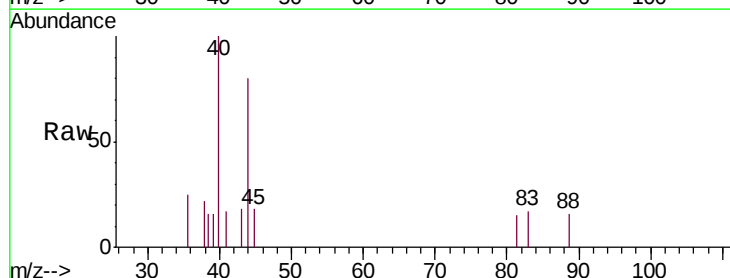


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

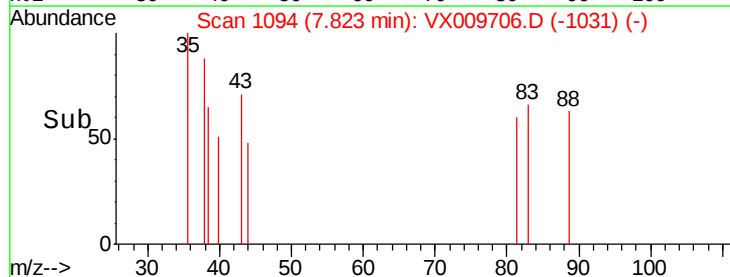
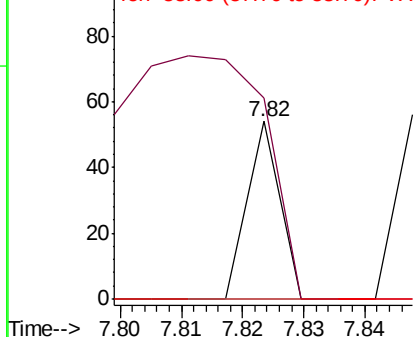


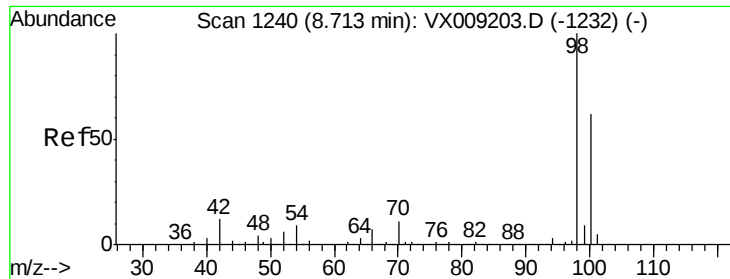
#49
1,4-Dioxane
Concen: 0.349 ug/l
RT: 7.82 min Scan# 1094
Delta R.T. 0.09 min
Lab File: VX009706.D
Acq: 18 May 2019 09:46

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 715.0 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: 49.273 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampled :

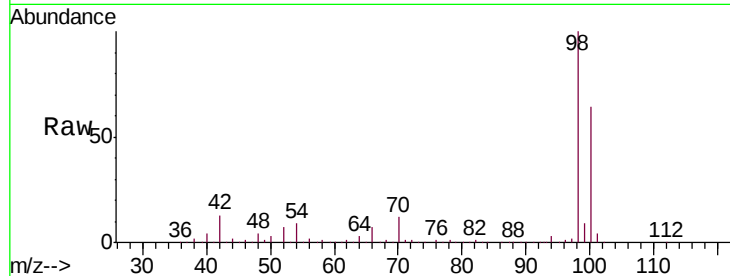
MW-9D_R2

Tgt Ion: 98 Resp: 344232

Ion Ratio Lower Upper

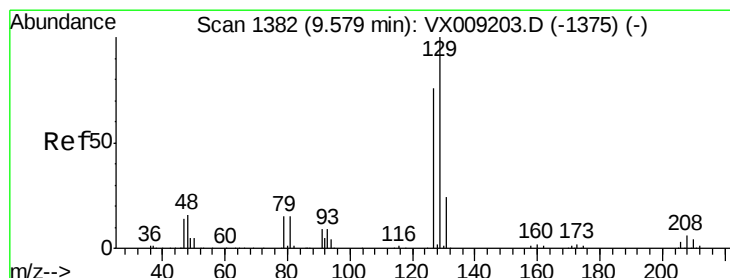
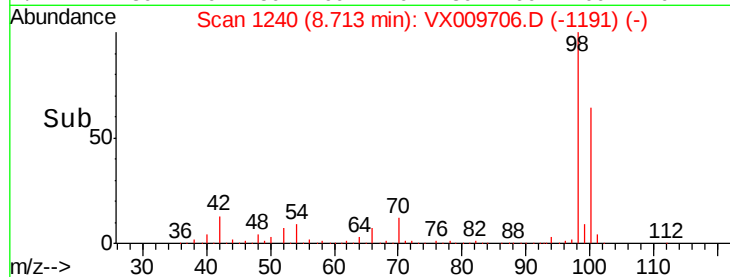
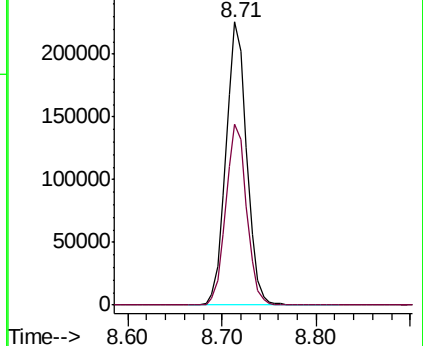
98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 0.237 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009706.D

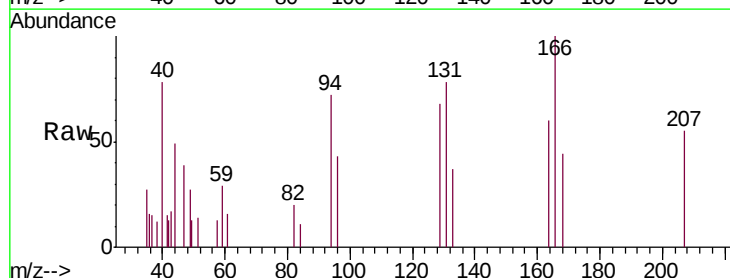
Acq: 18 May 2019 09:46

Tgt Ion: 129 Resp: 454

Ion Ratio Lower Upper

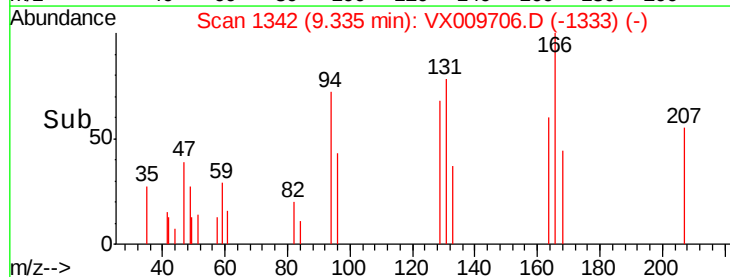
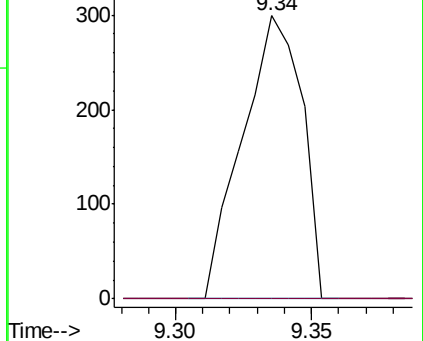
129 100

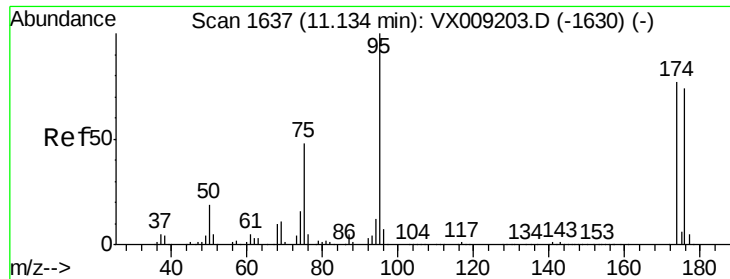
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 44.776 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampleId :

MW-9D_R2

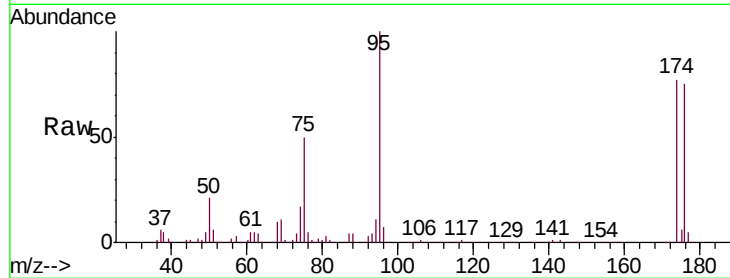
Tgt Ion: 95 Resp: 113666

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

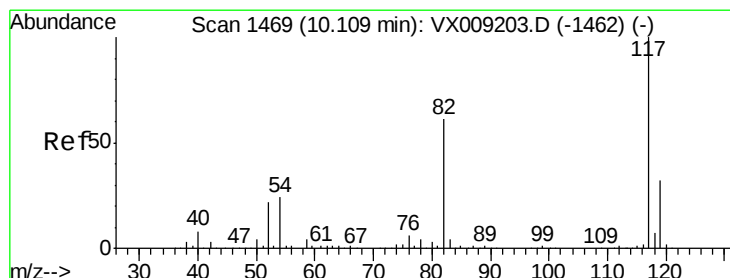
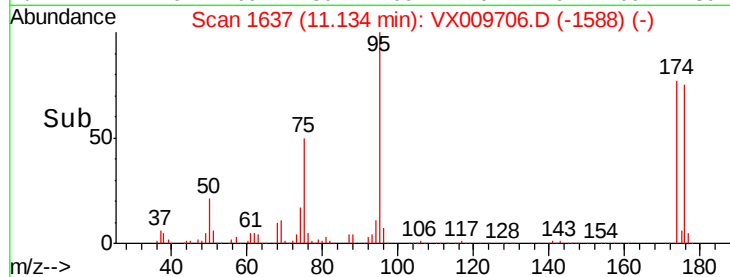
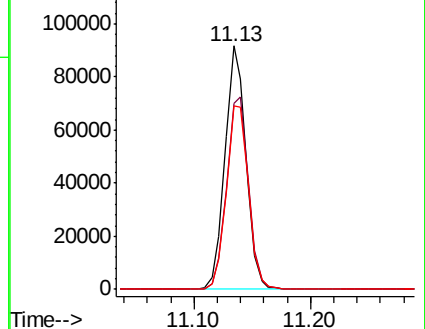
176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009203.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009203.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009203.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

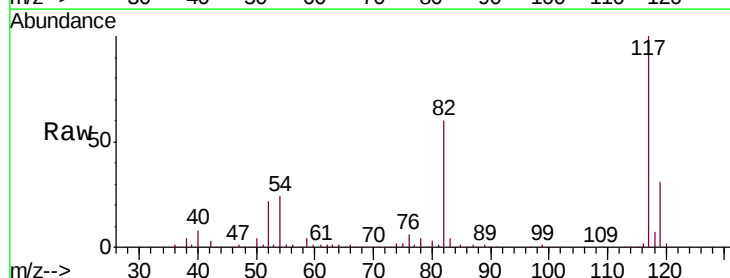
Tgt Ion: 117 Resp: 246299

Ion Ratio Lower Upper

117 100

82 60.3 48.8 73.2

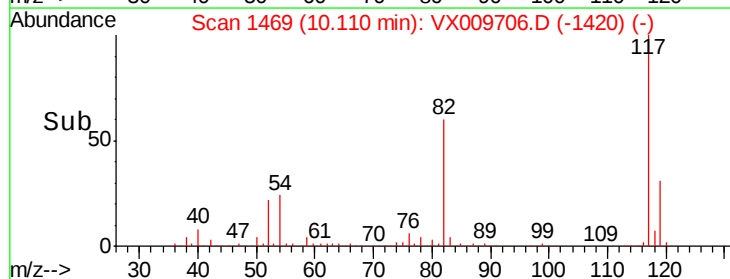
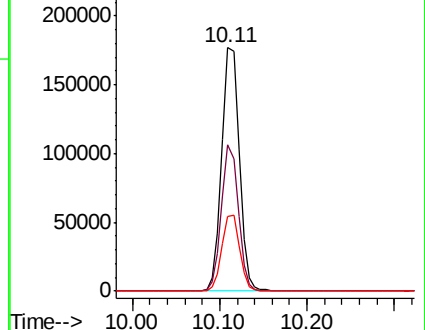
119 30.7 25.8 38.6

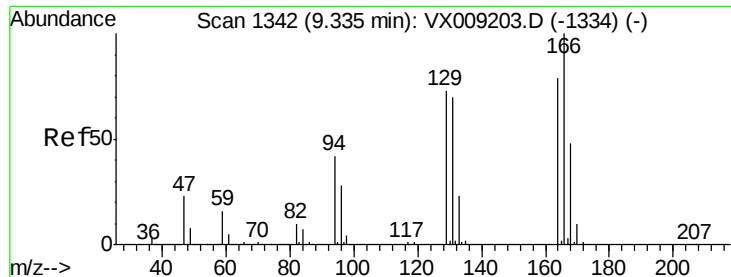


Abundance Ion 116.90 (116.60 to 117.60): VX009203.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009203.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009203.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.288 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

Instrument :

MSVOA_X

ClientSampleId :

MW-9D_R2

Tgt Ion:164 Resp: 487

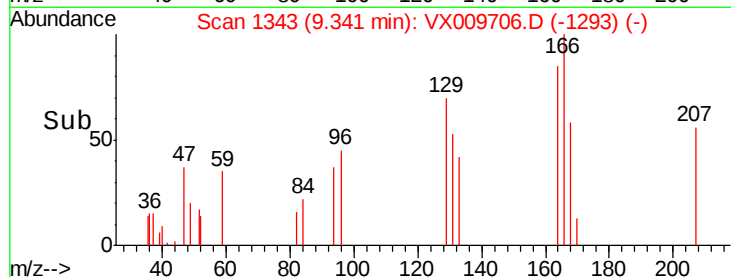
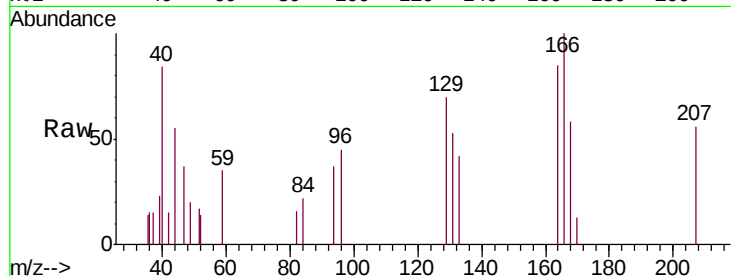
Ion Ratio Lower Upper

164 100

166 118.1 101.2 151.8

129 82.5 74.3 111.5

131 62.6 71.0 106.6#

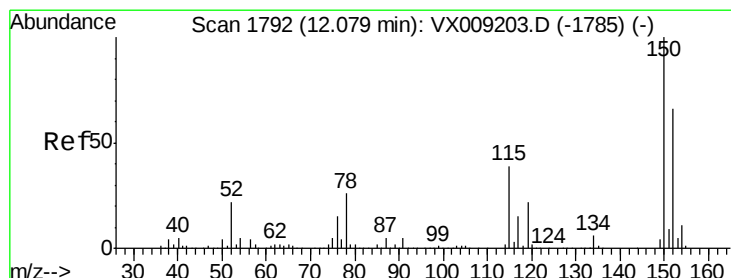
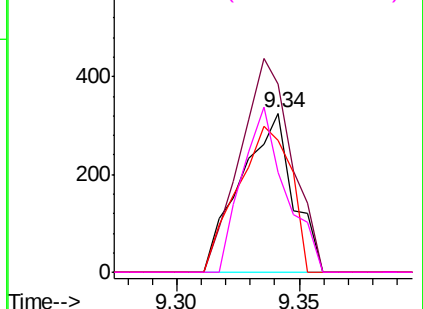


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009706.D

Acq: 18 May 2019 09:46

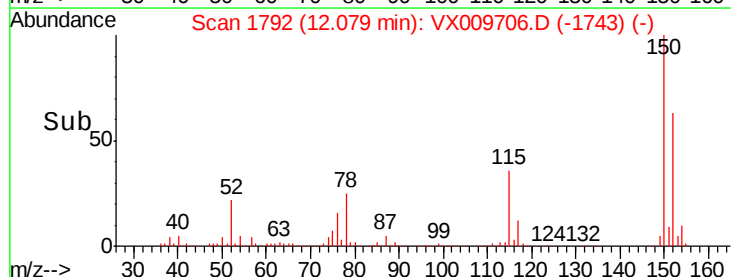
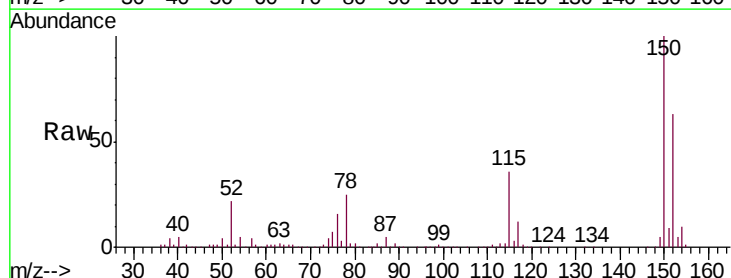
Tgt Ion:152 Resp: 102315

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

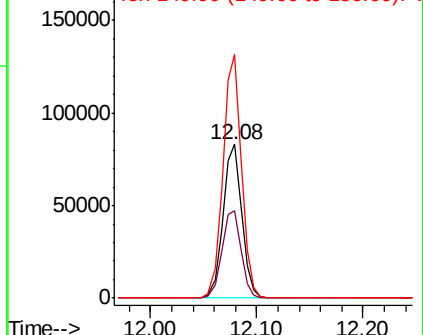
150 156.5 0.0 346.4

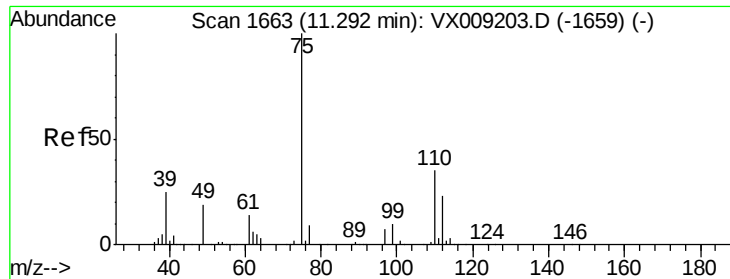


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

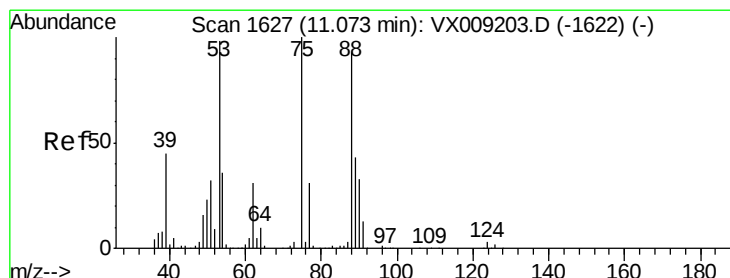
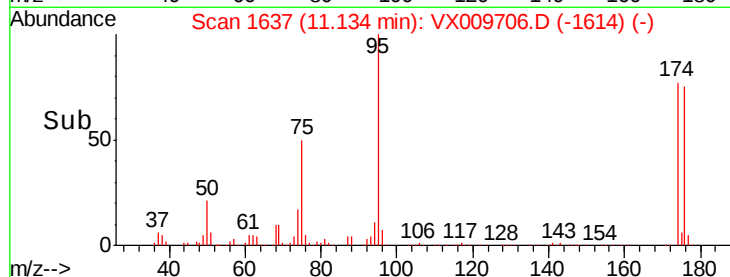
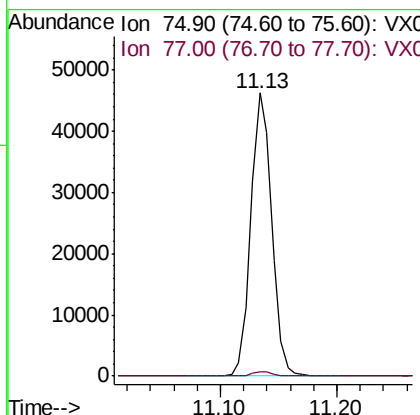
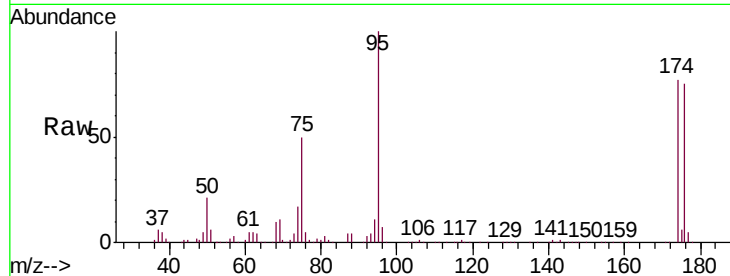




#76
 1,2,3-Trichloropropane
 Concen: 24.554 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009706.D
 Acq: 18 May 2019 09:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9D_R2

Tgt Ion: 75 Resp: 58276
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.826 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009706.D
 Acq: 18 May 2019 09:46

Tgt Ion: 75 Resp: 58276
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

