

Data File : VX009699.D
Acq On : 18 May 2019 07:03
Operator : JC/SP
Sample : K2901-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-15D_R2

Quant Time: May 20 04:15:32 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	169981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	272071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	114766	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	5.50	113	83537	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.71	98	345136	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	114798	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	

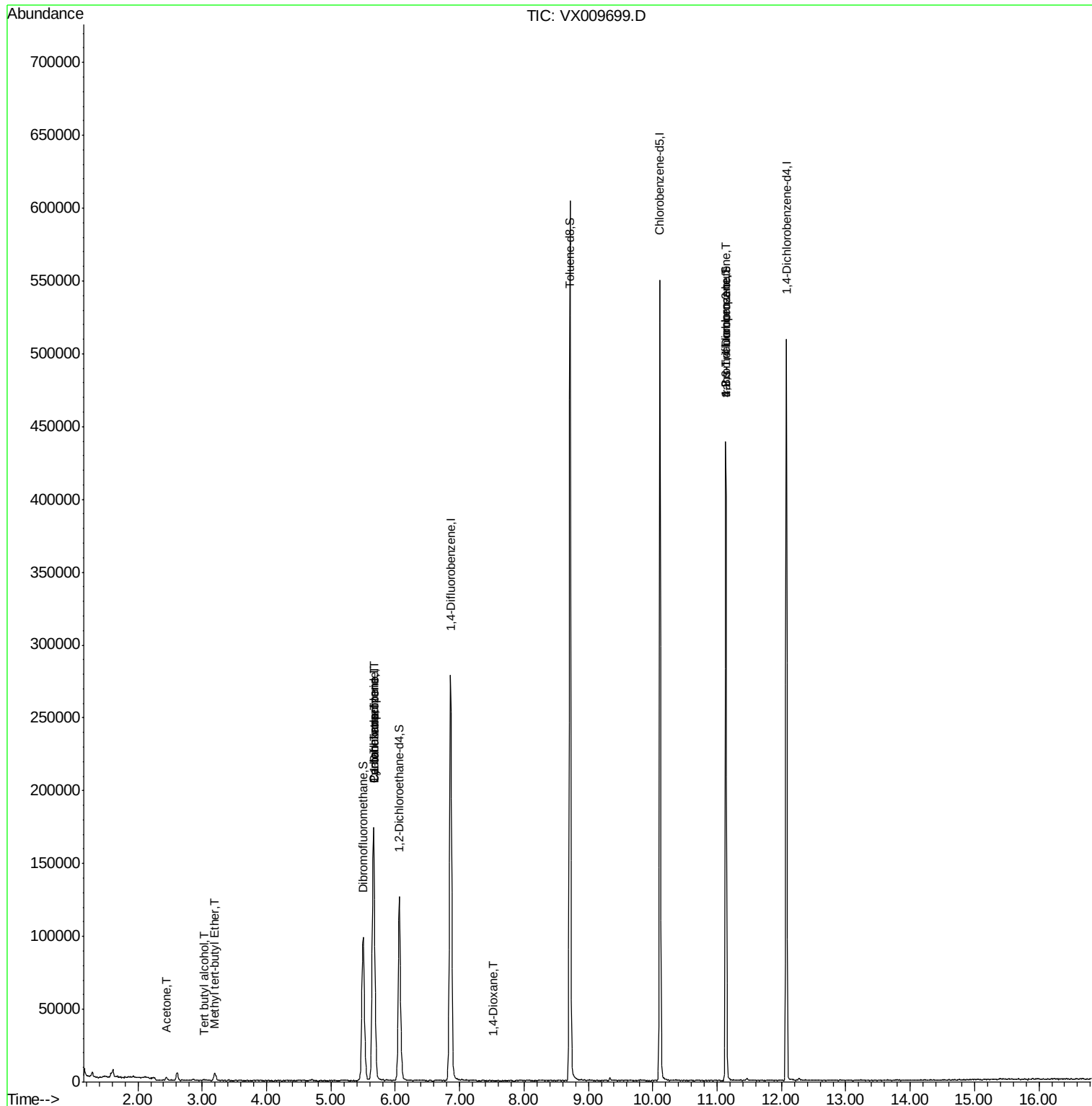
Target Compounds			Qvalue			
11) Tert butyl alcohol	3.04	59	640	1.192	ug/l #	73
16) Acetone	2.45	43	2458	1.973	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	5123	0.827	ug/l	99
28) Bromochloromethane	5.04	49	64	Below Cal	#	20
31) Cyclohexane	5.67	56	3950	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13368	5.287	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16360	7.122	ug/l #	18
49) 1,4-Dioxane	7.52	88	19	0.335	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59133	24.328	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59133	62.246	ug/l #	10

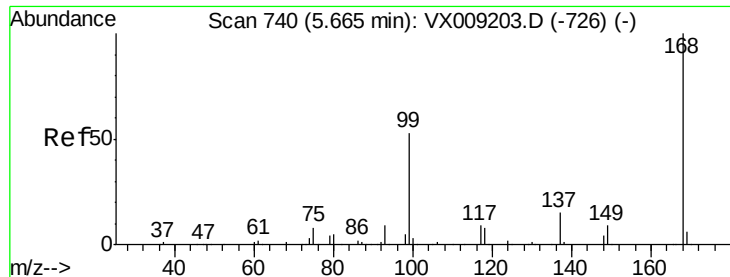
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

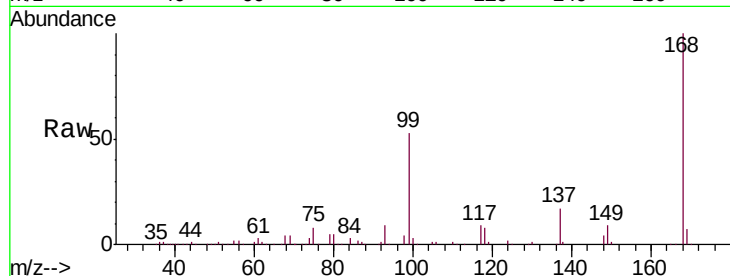
MW-15D_R2

Tgt Ion:168 Resp: 169981

Ion Ratio Lower Upper

168 100

99 53.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

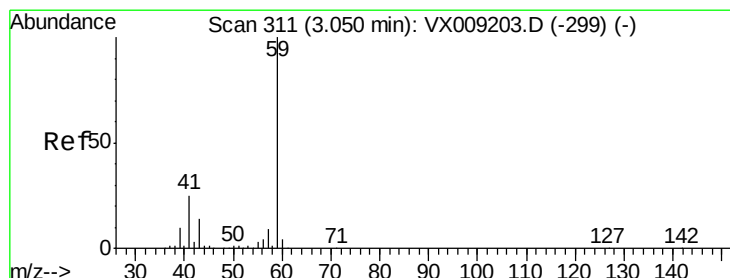
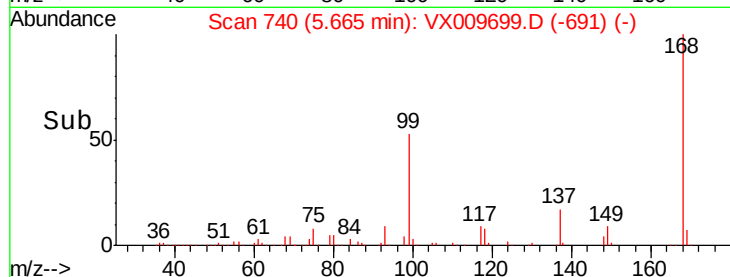
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.192 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009699.D

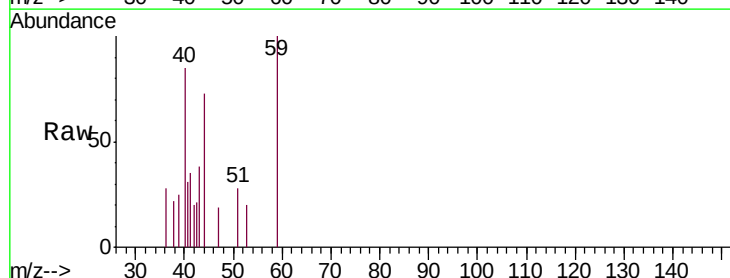
Acq: 18 May 2019 07:03

Tgt Ion: 59 Resp: 640

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

300

250

200

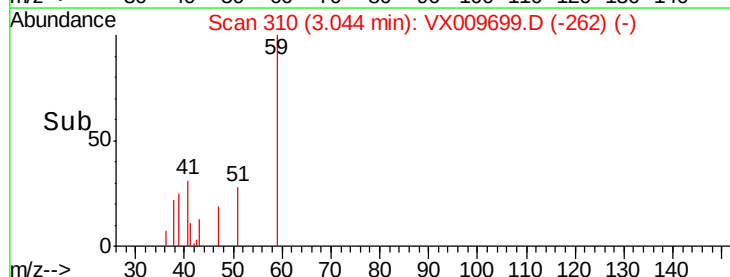
150

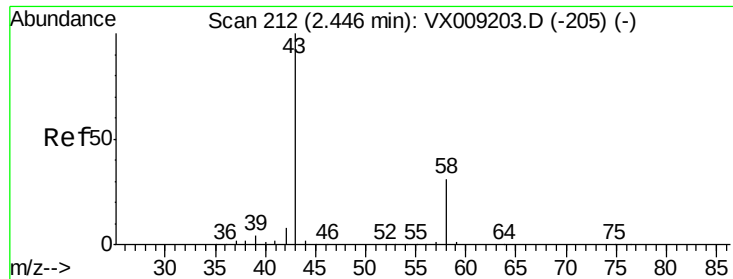
100

50

0

Time--> 3.00 3.05 3.10





#16

Acetone

Concen: 1.973 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

Instrument :

MSVOA_X

ClientSampled :

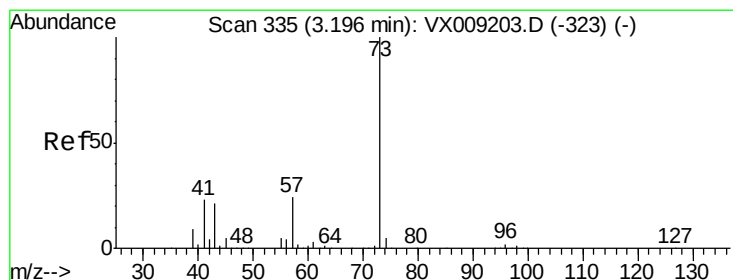
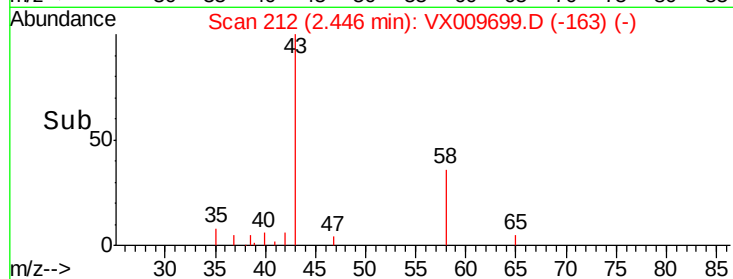
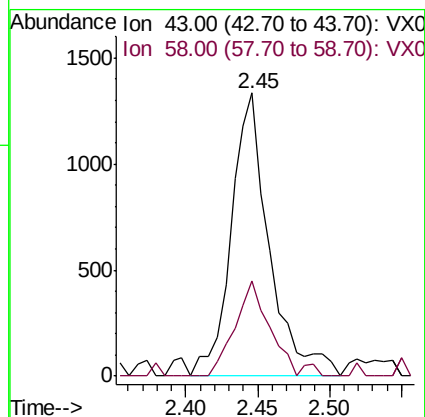
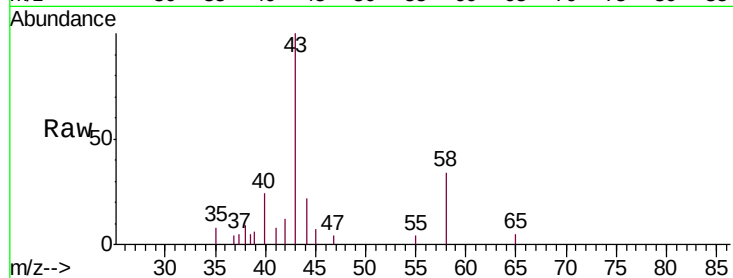
MW-15D_R2

Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

58 33.9 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 0.827 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX009699.D

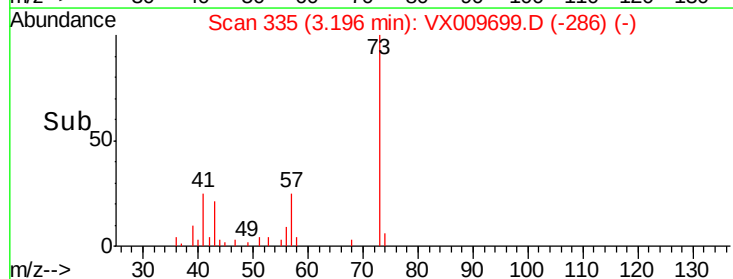
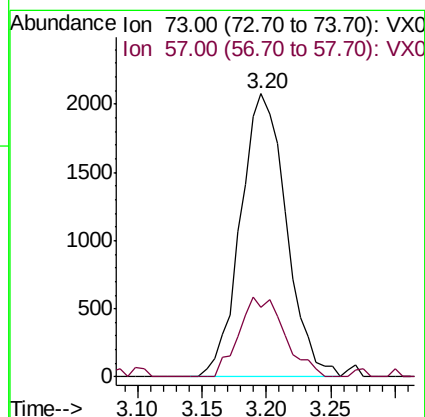
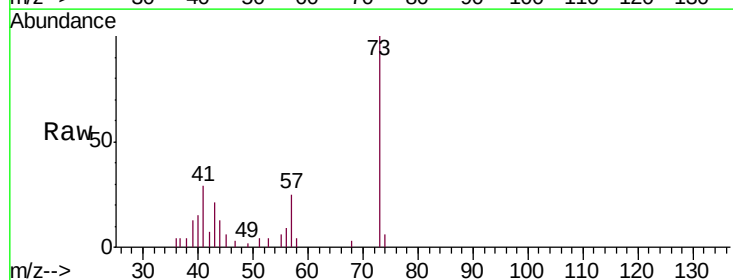
Acq: 18 May 2019 07:03

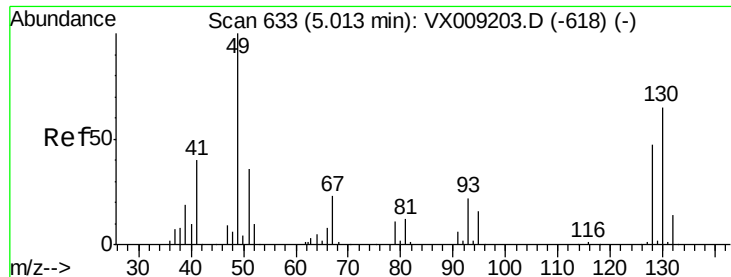
Tgt Ion: 73 Resp: 5123

Ion Ratio Lower Upper

73 100

57 24.5 19.3 28.9





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

MW-15D_R2

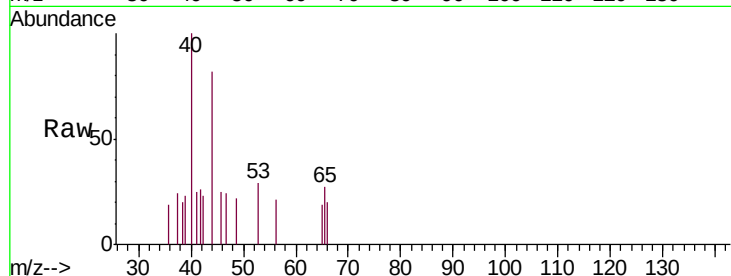
Tgt Ion: 49 Resp: 64

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

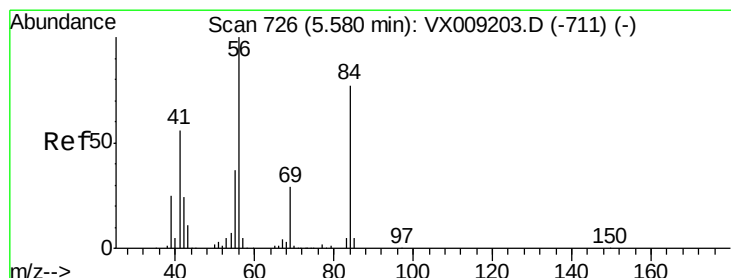
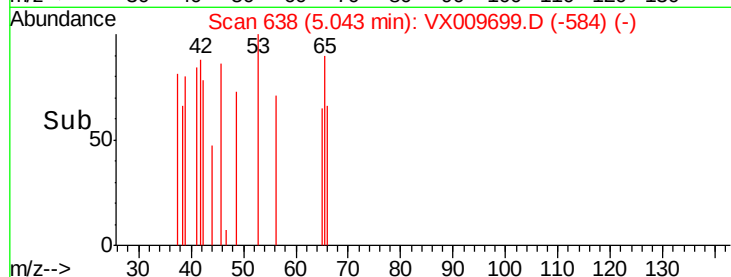
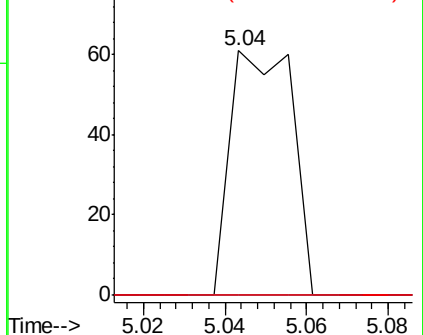
130 0.0 51.2 76.8#



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: 1.151 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

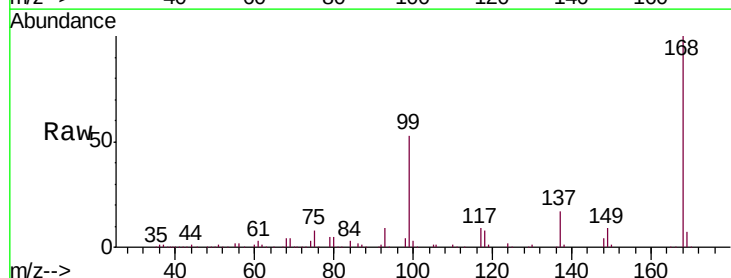
Tgt Ion: 56 Resp: 3950

Ion Ratio Lower Upper

56 100

69 192.9 23.4 35.0#

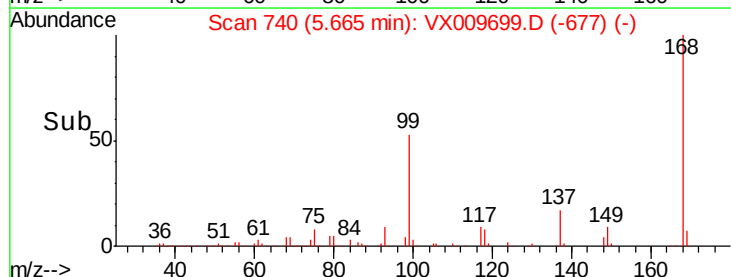
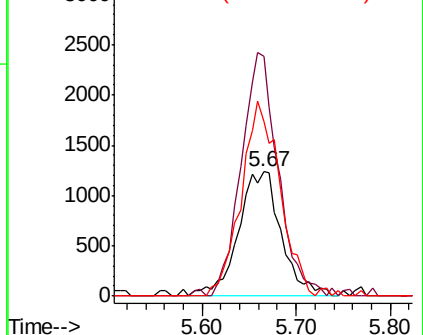
84 140.7 61.9 92.9#

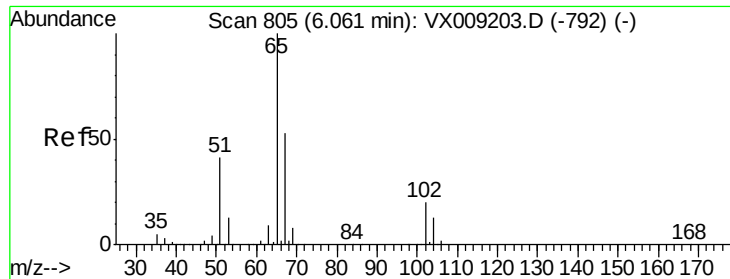


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

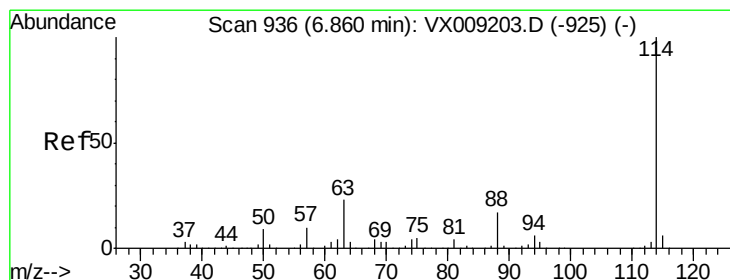
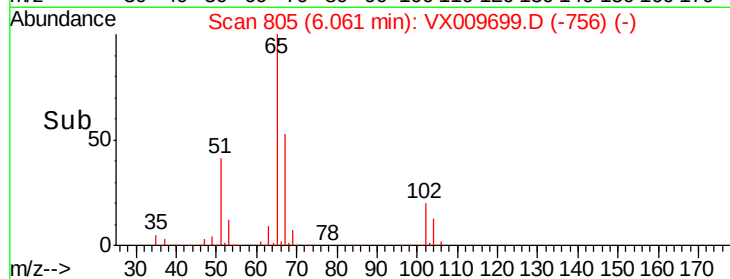
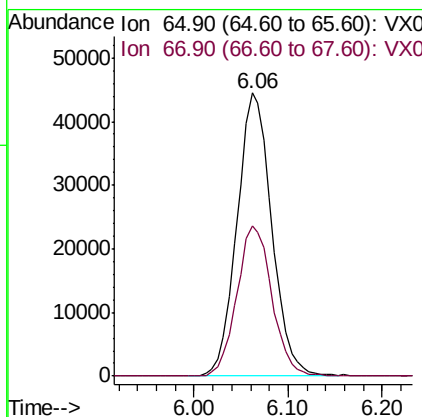
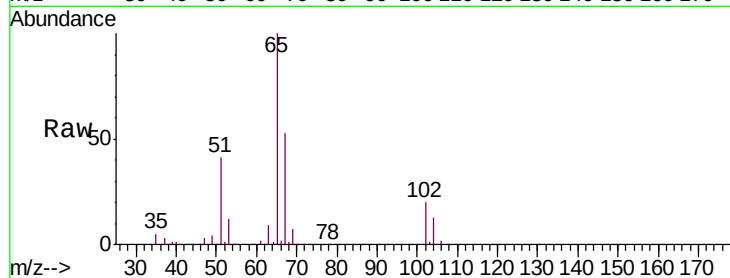




#33
 1,2-Dichloroethane-d4
 Concen: 49.459 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009699.D
 Acq: 18 May 2019 07:03

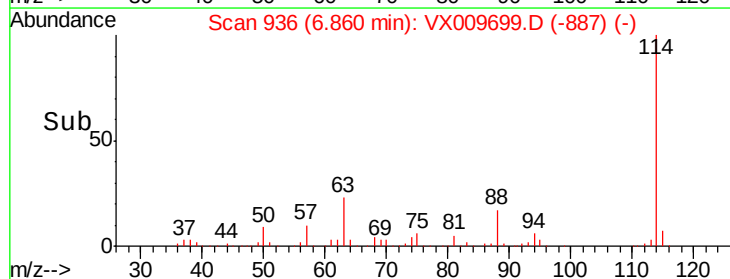
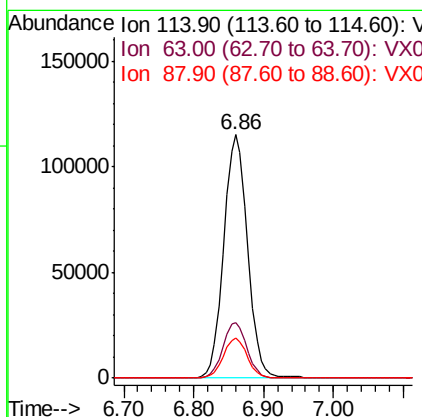
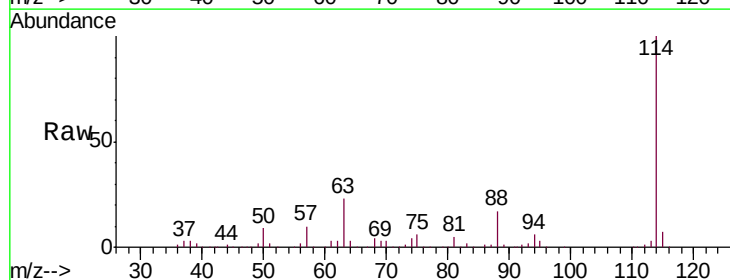
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15D_R2

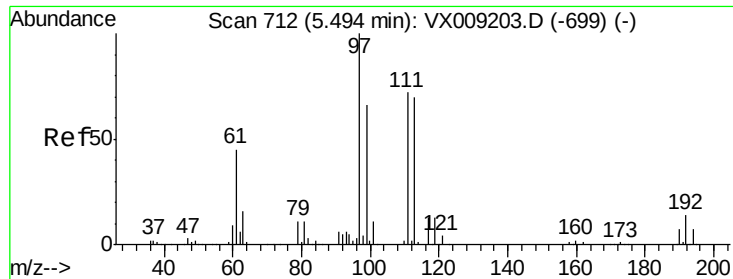
Tgt Ion: 65 Resp: 114766
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009699.D
 Acq: 18 May 2019 07:03

Tgt Ion: 114 Resp: 272071
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.842 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

MW-15D_R2

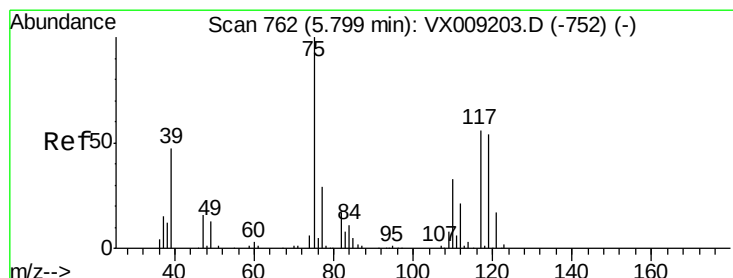
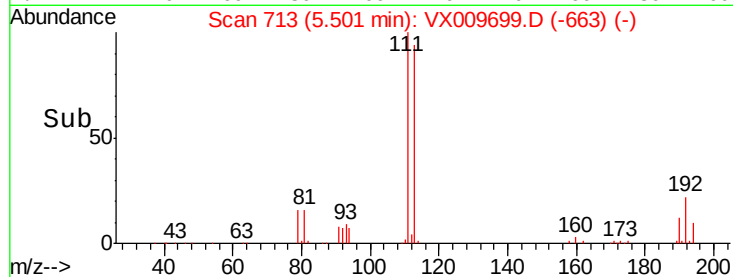
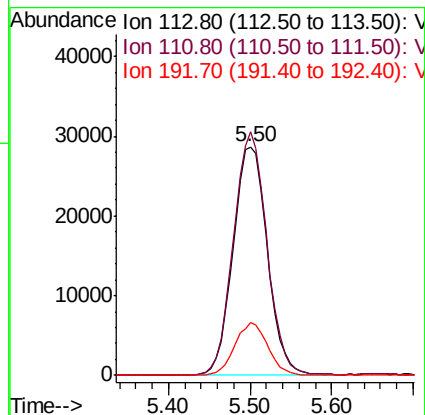
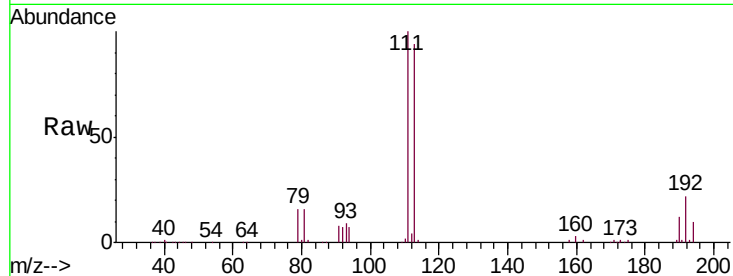
Tgt Ion:113 Resp: 83537

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 22.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.287 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

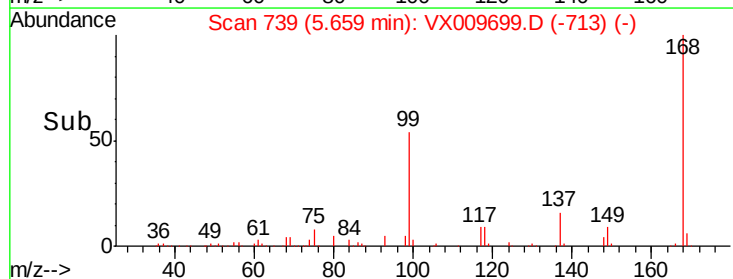
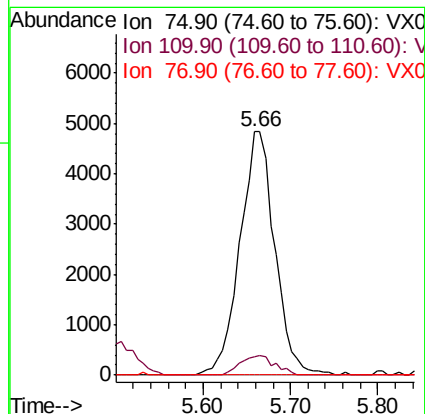
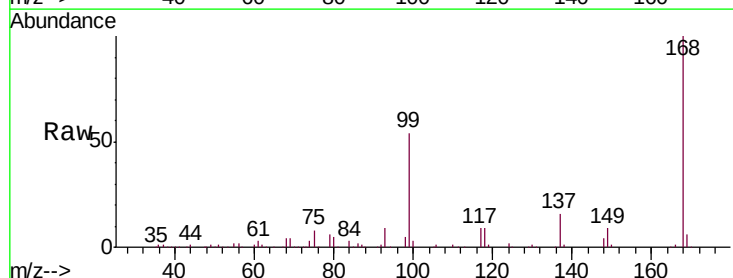
Tgt Ion: 75 Resp: 13368

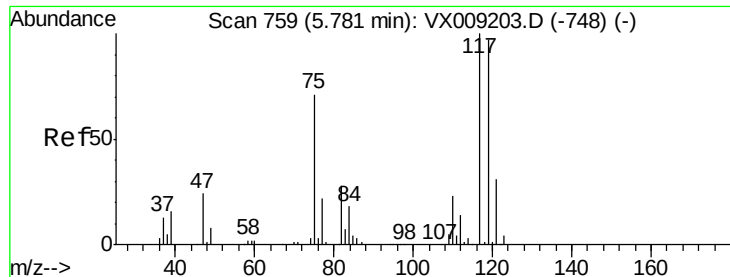
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.122 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

Instrument :

MSVOA_X

ClientSampleId :

MW-15D_R2

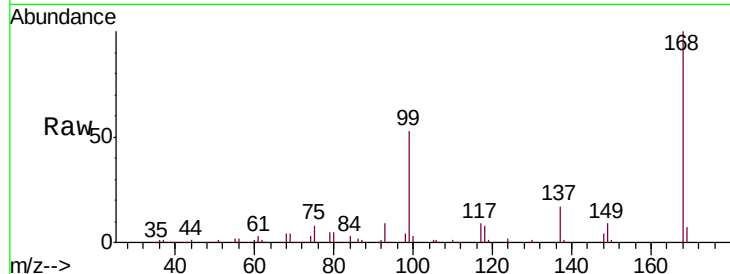
Tgt Ion:117 Resp: 16360

Ion Ratio Lower Upper

117 100

119 7.7 77.5 116.3#

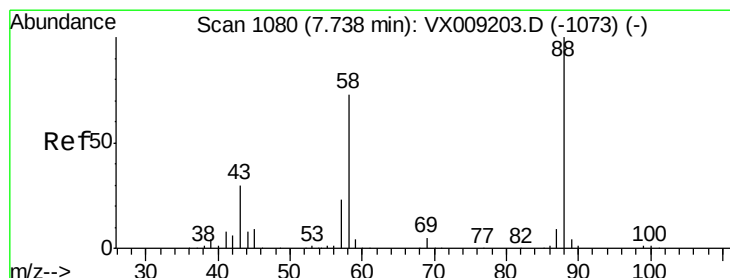
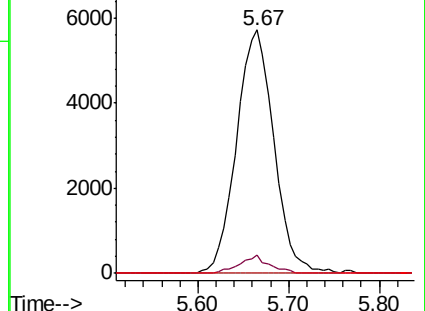
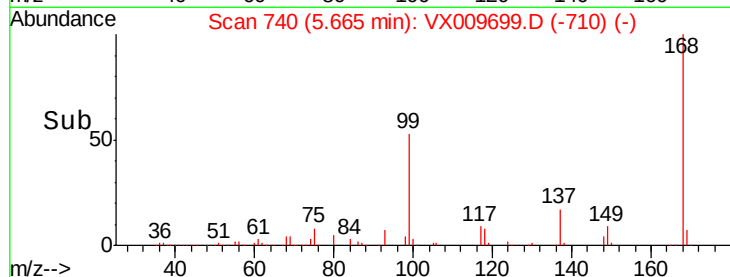
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.335 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.22 min

Lab File: VX009699.D

Acq: 18 May 2019 07:03

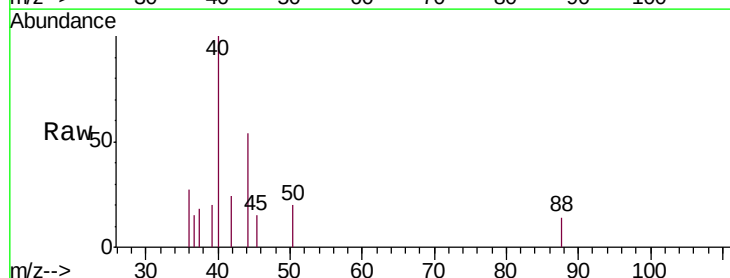
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 236.8 28.6 42.8#

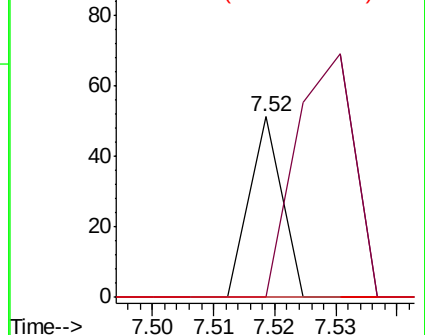
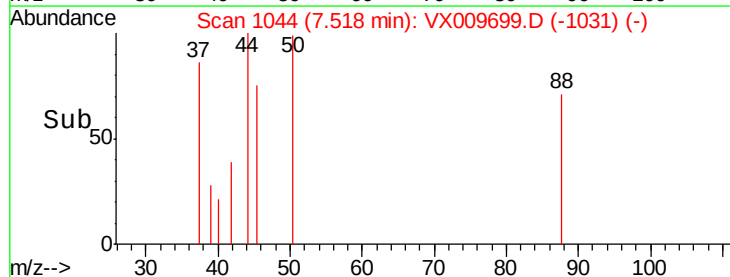
58 0.0 61.7 92.5#

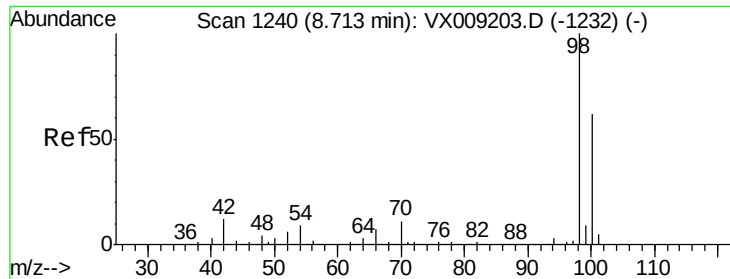


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

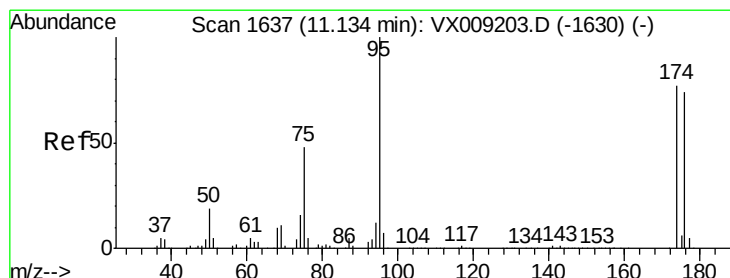
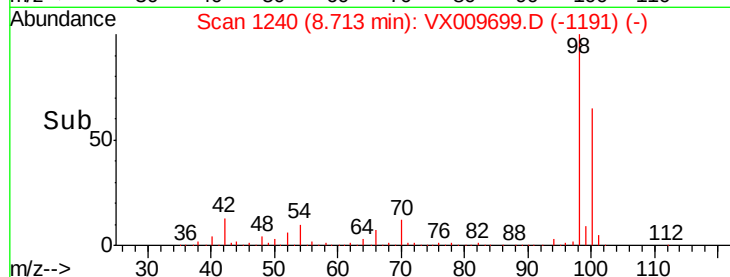
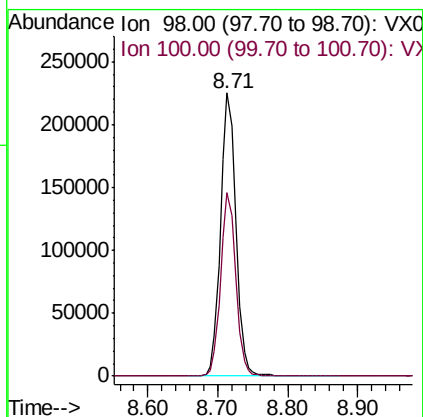
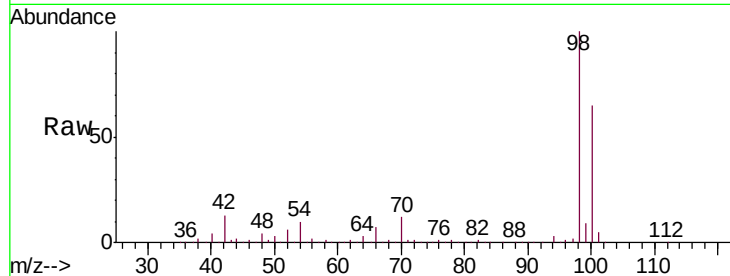




#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009699.D
Acq: 18 May 2019 07:03

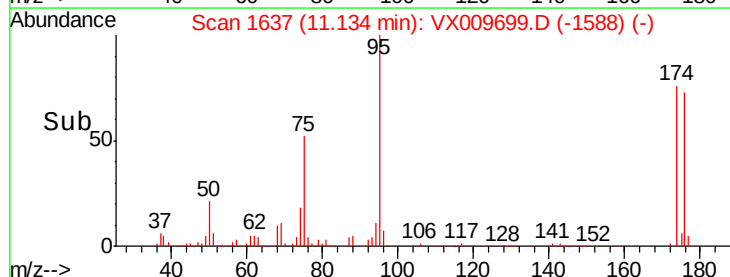
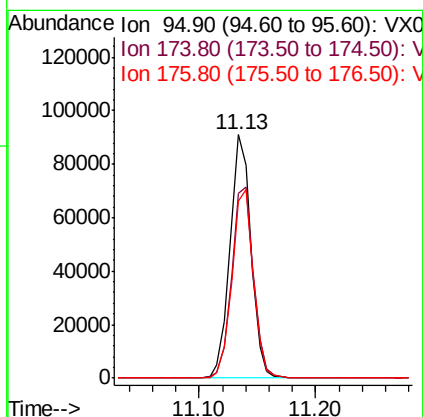
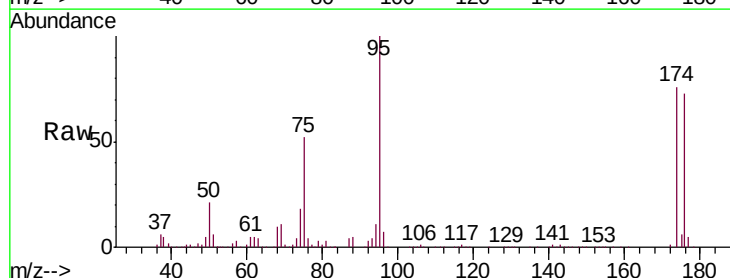
Instrument :
MSVOA_X
ClientSampleId :
MW-15D_R2

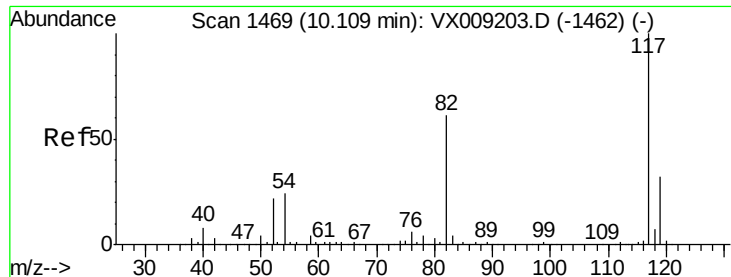
Tgt Ion: 98 Resp: 345136
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.754 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009699.D
Acq: 18 May 2019 07:03

Tgt Ion: 95 Resp: 114798
Ion Ratio Lower Upper
95 100
174 81.7 0.0 161.6
176 78.9 0.0 159.2

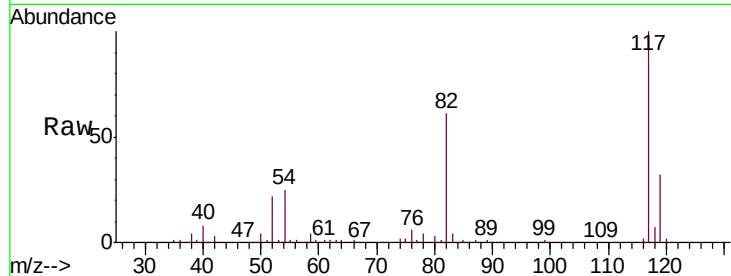




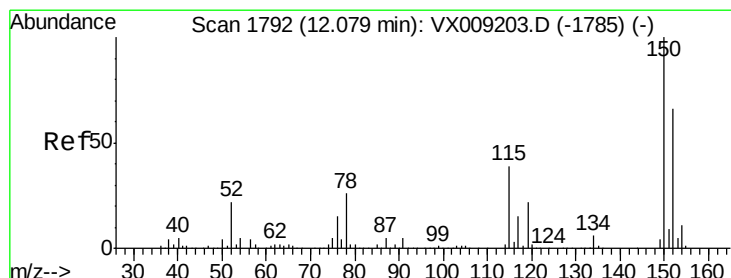
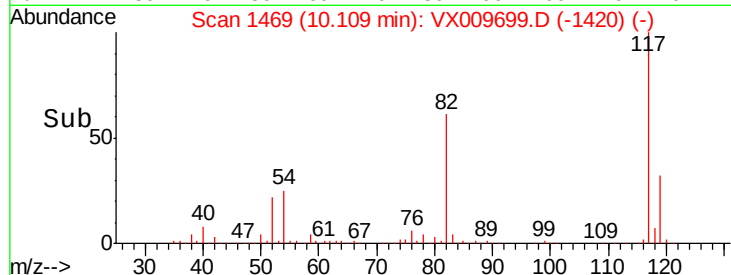
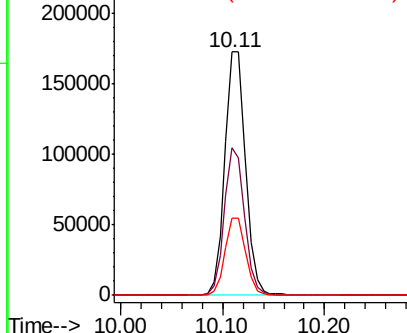
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009699.D
Acq: 18 May 2019 07:03

Instrument :
MSVOA_X
ClientSampleId :
MW-15D_R2

Tgt Ion:117 Resp: 243881
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 31.7 25.8 38.6

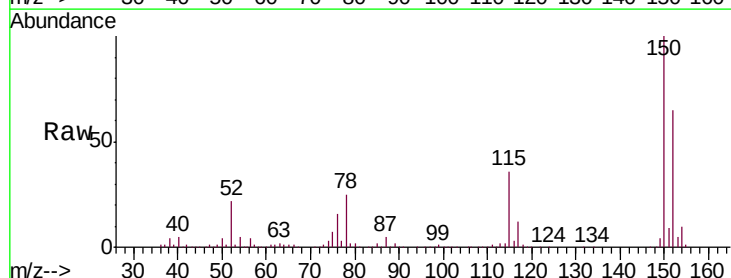


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

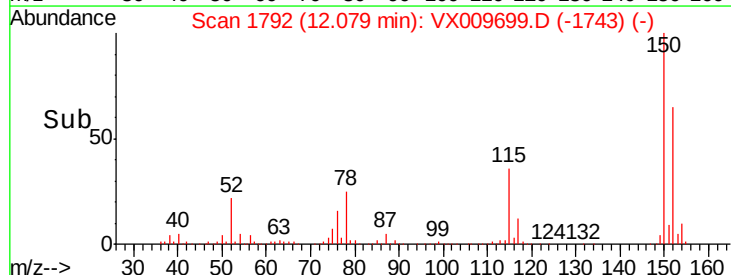
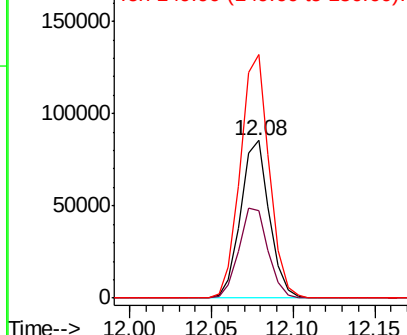


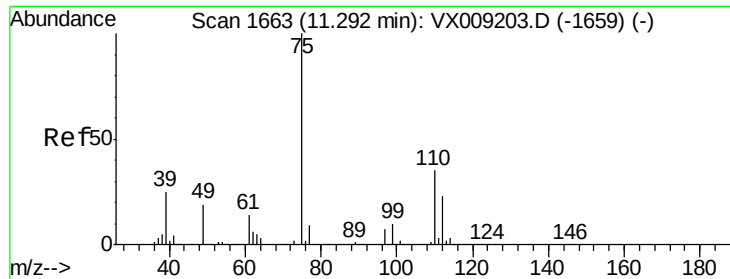
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009699.D
Acq: 18 May 2019 07:03

Tgt Ion:152 Resp: 104787
Ion Ratio Lower Upper
152 100
115 58.2 41.2 123.6
150 156.1 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

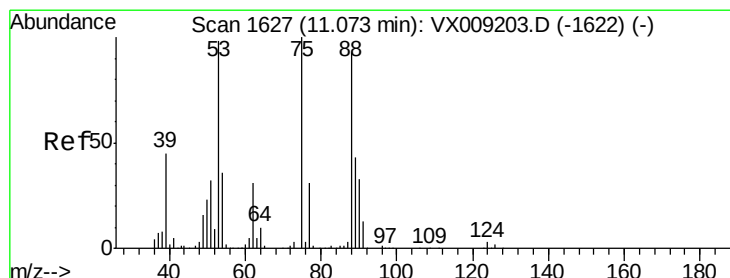
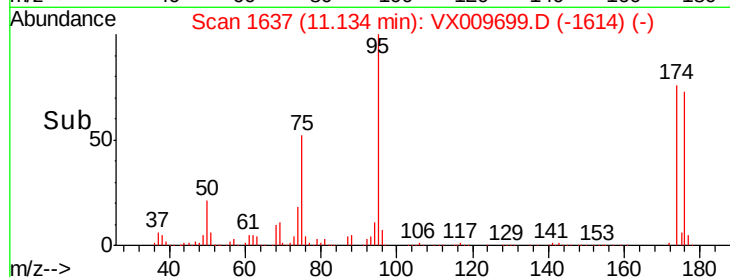
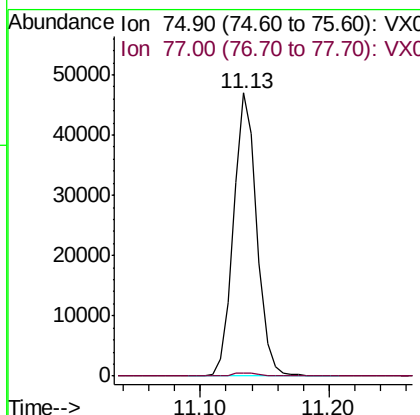
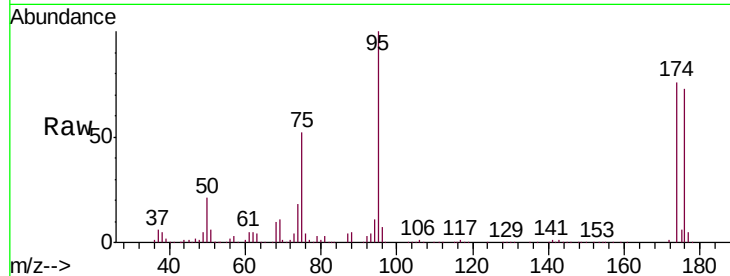




#76
 1,2,3-Trichloropropane
 Concen: 24.328 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009699.D
 Acq: 18 May 2019 07:03

Instrument :
 MSVOA_X
 ClientSampled :
 MW-15D_R2

Tgt Ion: 75 Resp: 59133
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.246 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009699.D
 Acq: 18 May 2019 07:03

Tgt Ion: 75 Resp: 59133
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.0 118.6#
 89 0.0 34.7 52.1#

