

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009788.D
 Acq On : 22 May 2019 08:07
 Operator : JC/SP
 Sample : K2953-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5A_R2

Quant Time: May 22 09:04:34 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	177794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110193	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	120125	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	5.50	113	88081	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	362738	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.13	95	121168	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

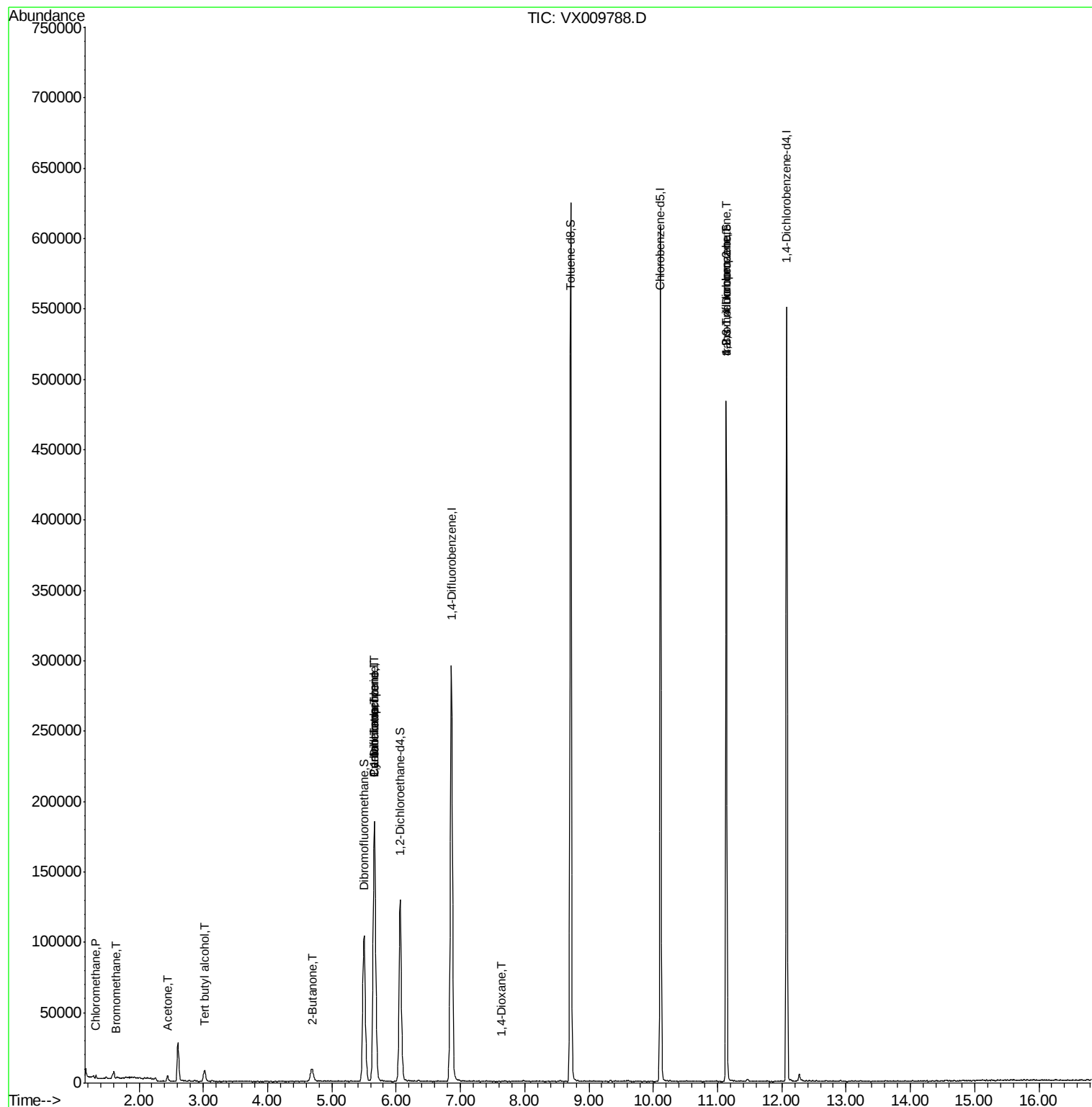
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1458	0.652	ug/l	96
5) Bromomethane	1.65	94	313	0.239	ug/l	84
11) Tert butyl alcohol	3.02	59	5308	9.448	ug/l #	80
16) Acetone	2.44	43	4363	3.348	ug/l	93
25) 2-Butanone	4.70	43	1017	0.502	ug/l #	53
28) Bromochloromethane	5.02	49	47	Below Cal	#	20
31) Cyclohexane	5.67	56	4442	1.238	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14336	5.379	ug/l #	49
38) Carbon Tetrachloride	5.66	117	17104	7.064	ug/l #	16
49) 1,4-Dioxane	7.63	88	19	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62281	24.366	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62281	62.343	ug/l #	10

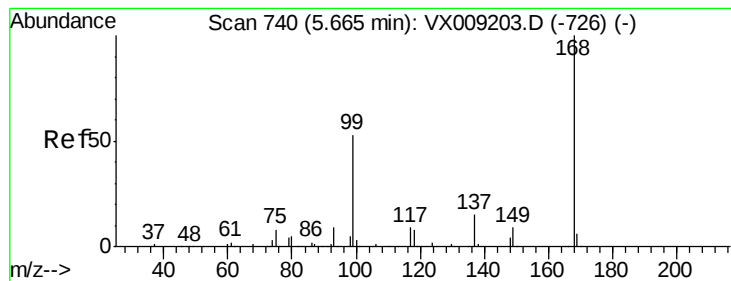
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampleId :

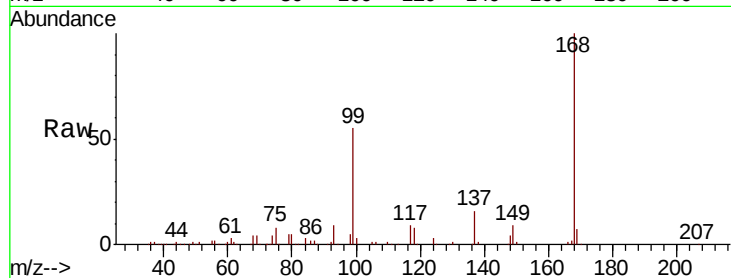
MW-5A_R2

Tot Ion:168 Resp: 177794

Ion Ratio Lower Upper

168 100

99 55.4 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

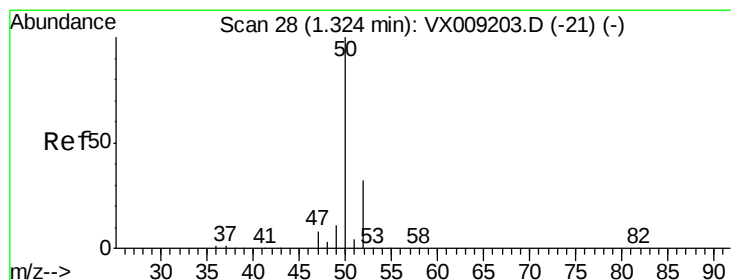
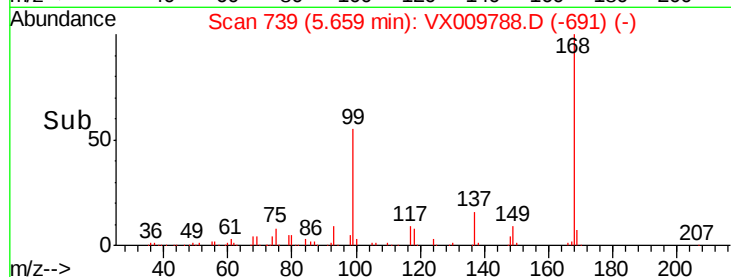
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.652 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009788.D

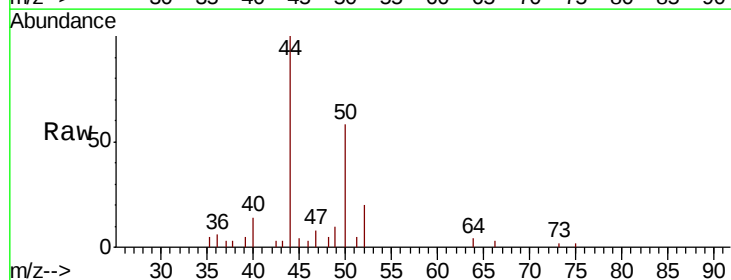
Acq: 22 May 2019 08:07

Tgt Ion: 50 Resp: 1458

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

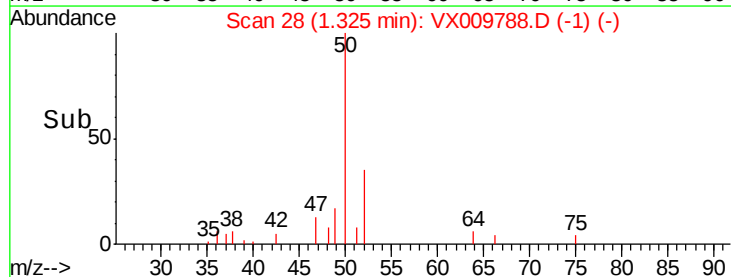
1.32

1000

500

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampleId :

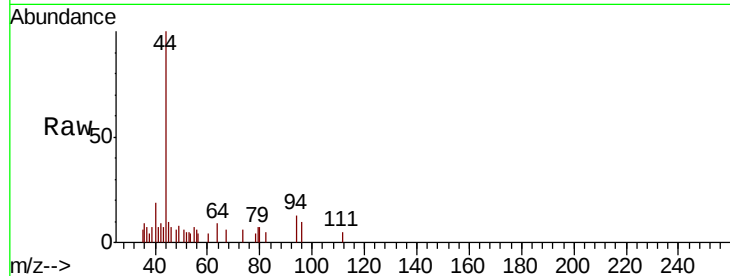
MW-5A_R2

Tot Ion: 94 Resp: 313

Ion Ratio Lower Upper

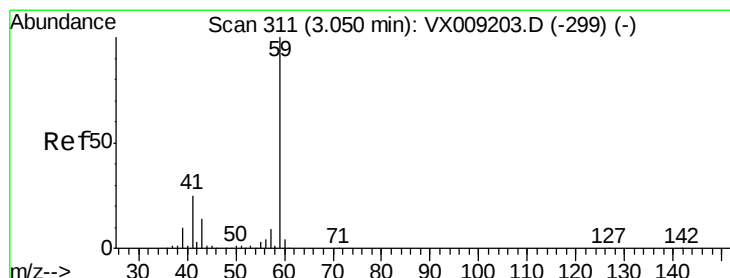
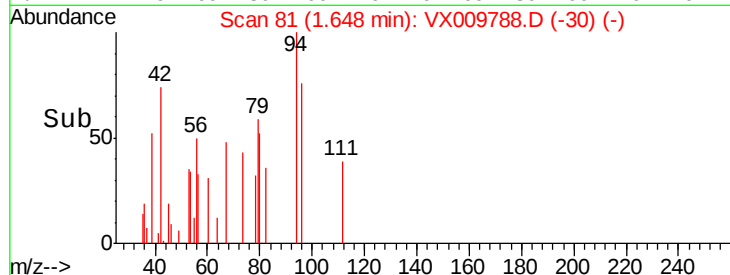
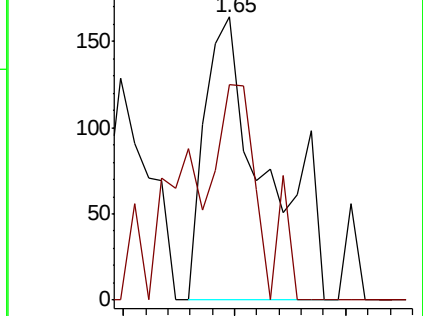
94 100

96 76.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 9.448 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009788.D

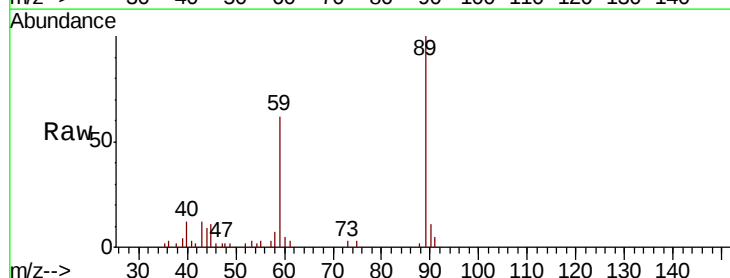
Acq: 22 May 2019 08:07

Tgt Ion: 59 Resp: 5308

Ion Ratio Lower Upper

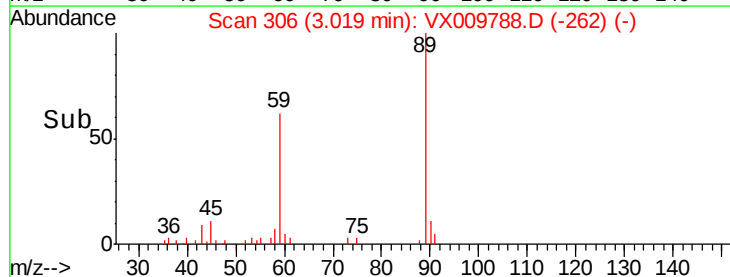
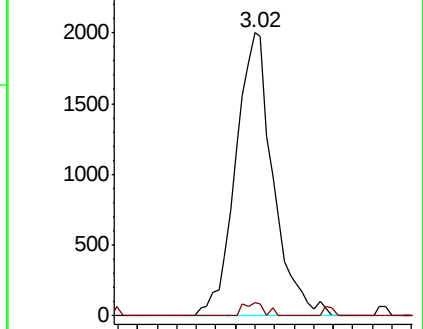
59 100

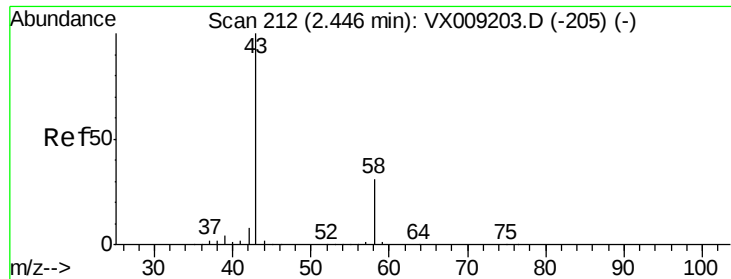
57 2.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.348 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampleId :

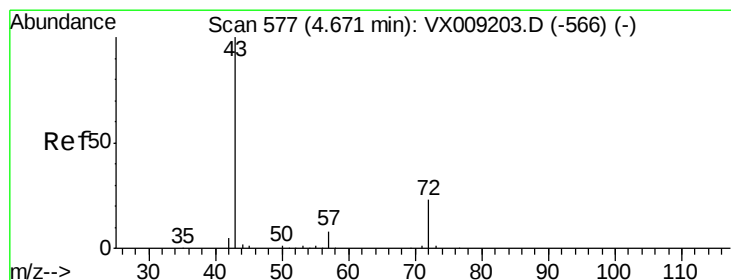
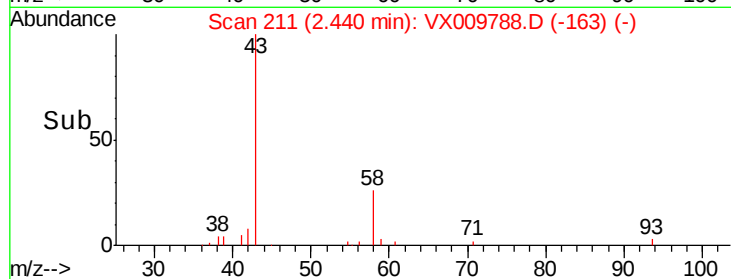
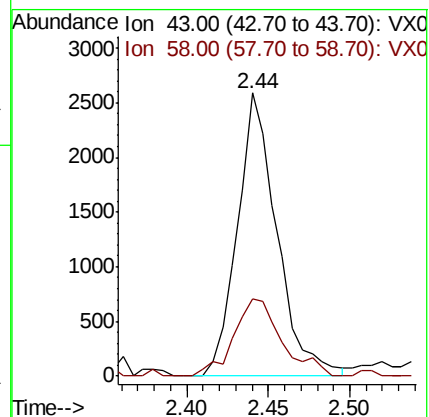
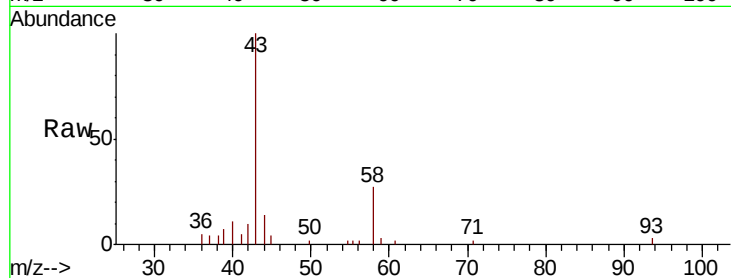
MW-5A_R2

Tot Ion: 43 Resp: 4363

Ion Ratio Lower Upper

43 100

58 27.3 24.9 37.3



#25

2-Butanone

Concen: 0.502 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009788.D

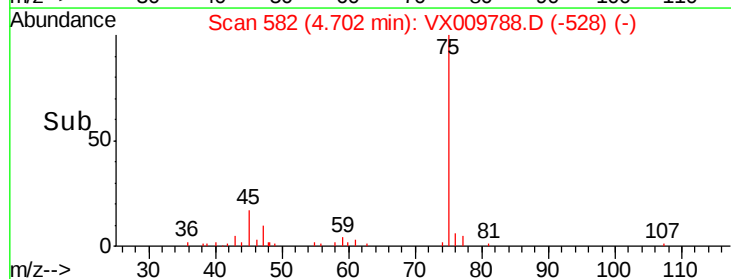
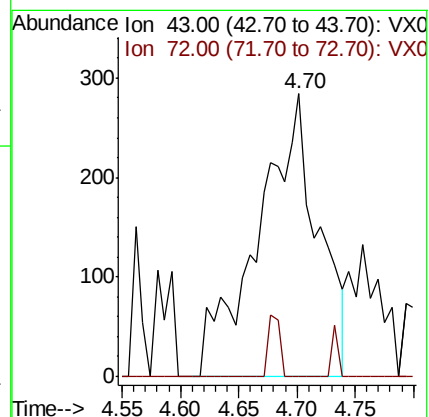
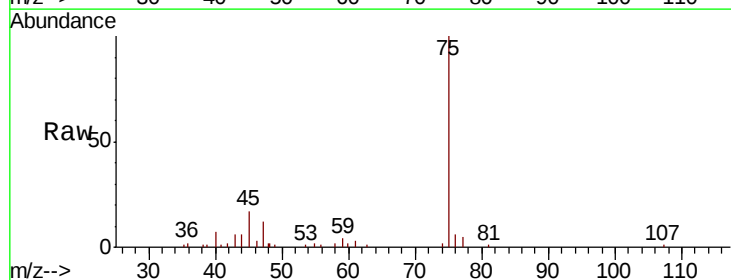
Acq: 22 May 2019 08:07

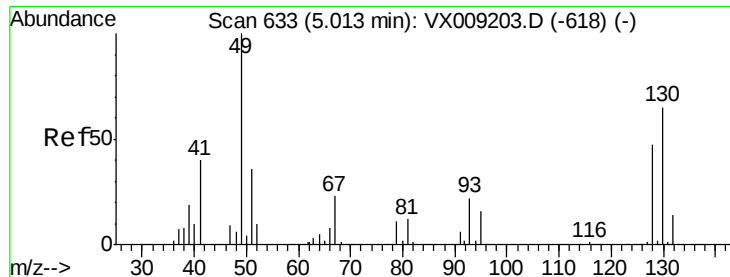
Tgt Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampleId :

MW-5A_R2

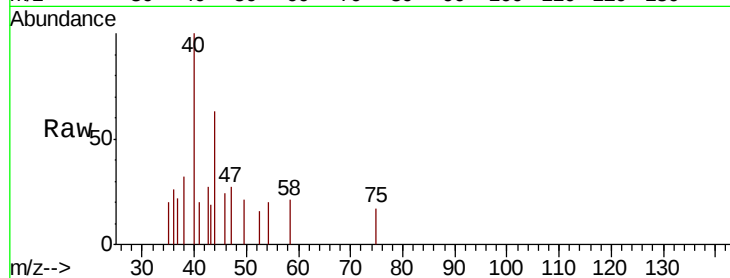
Tot Ion: 49 Resp: 47

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

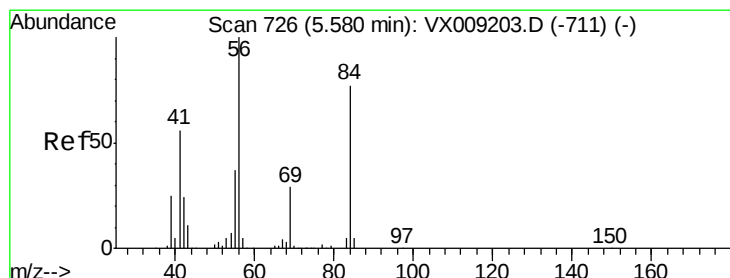
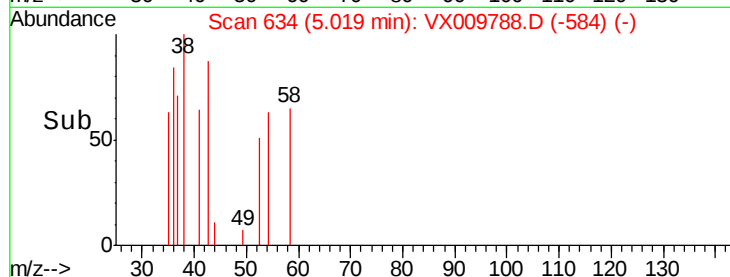
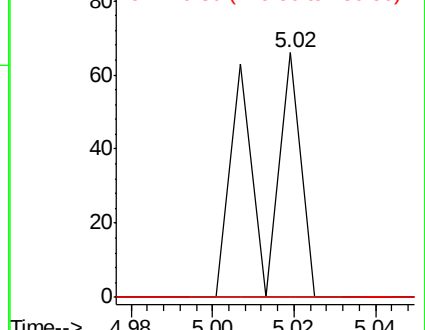
130 0.0 51.2 76.8#



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: 1.238 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

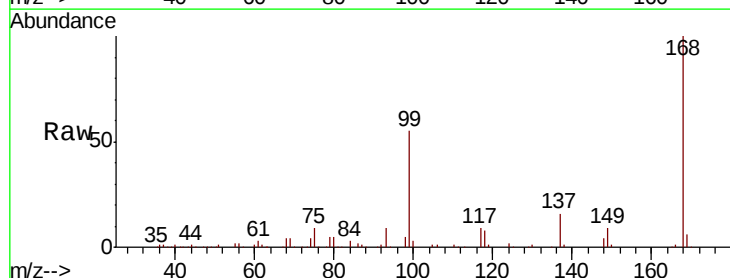
Tgt Ion: 56 Resp: 4442

Ion Ratio Lower Upper

56 100

69 151.8 23.4 35.0#

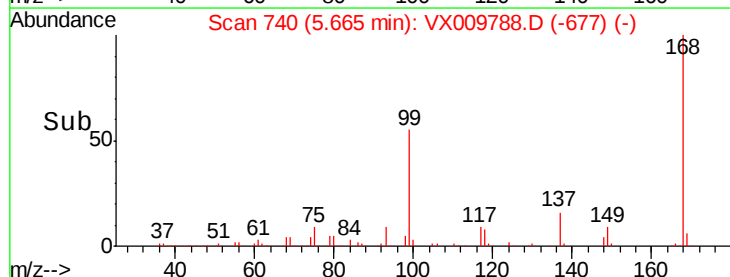
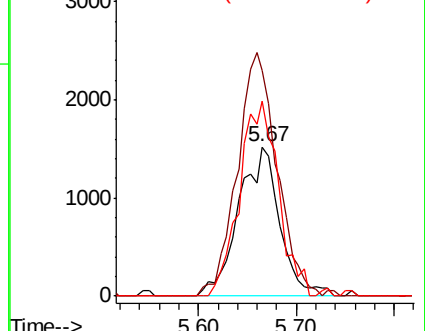
84 130.5 61.9 92.9#



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: 49.493 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampled :

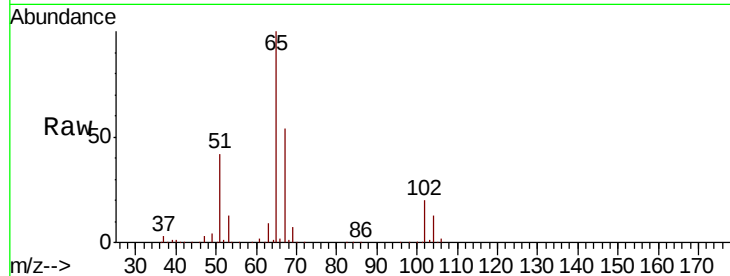
MW-5A_R2

Tot Ion: 65 Resp: 120125

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

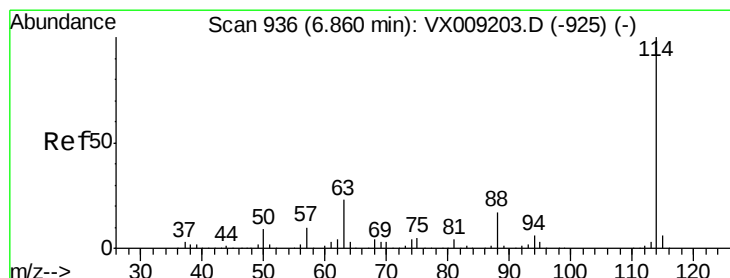
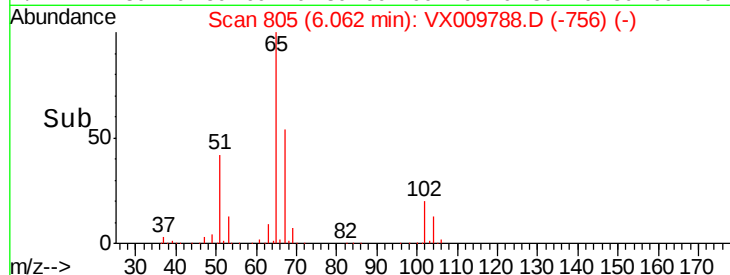
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

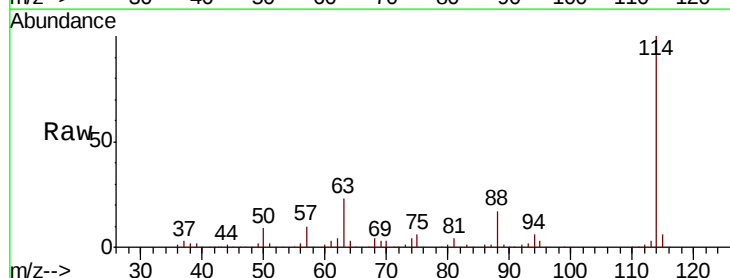
Tgt Ion: 114 Resp: 286787

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

88 17.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

150000

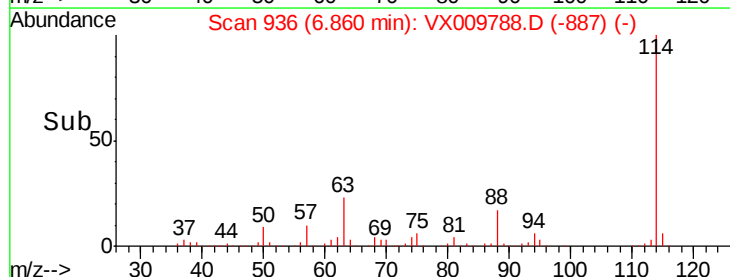
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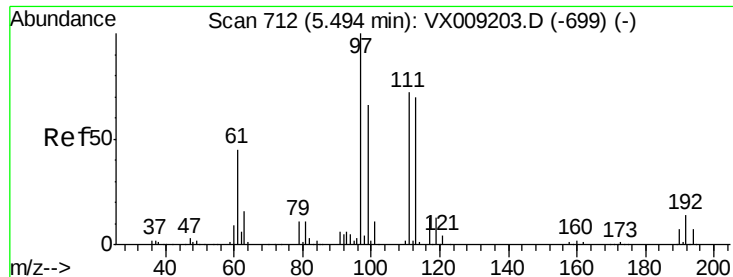
50000

0

Time-->

6.70 6.80 6.90 7.00

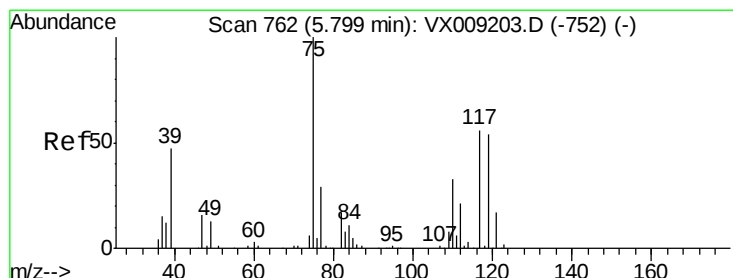
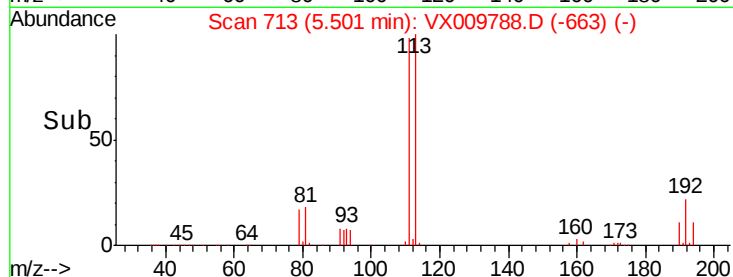
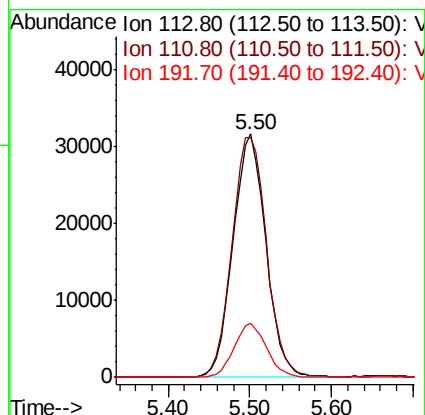
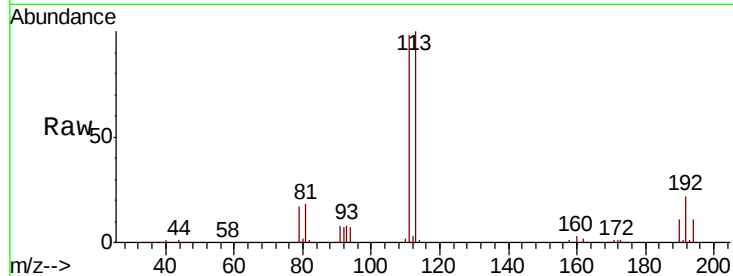




#35
 Dibromofluoromethane
 Concen: 48.856 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009788.D
 Acq: 22 May 2019 08:07

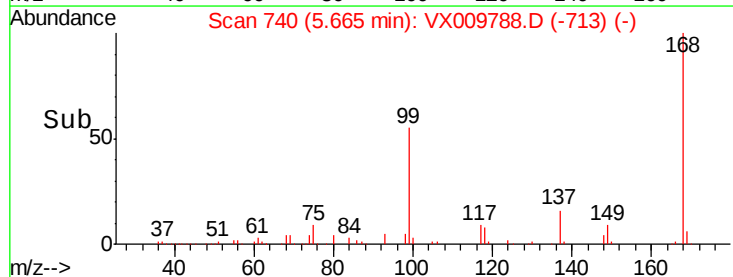
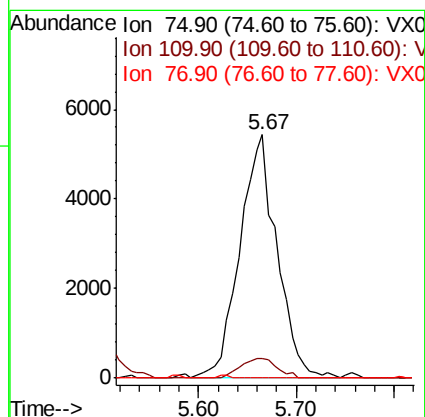
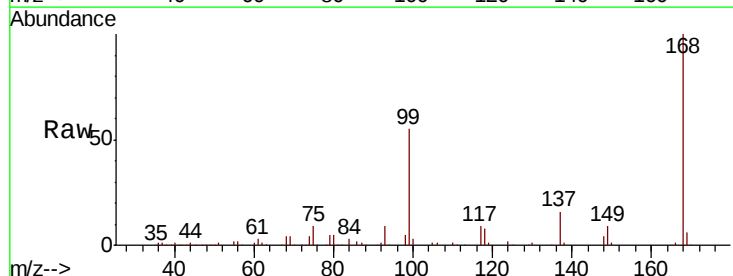
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5A_R2

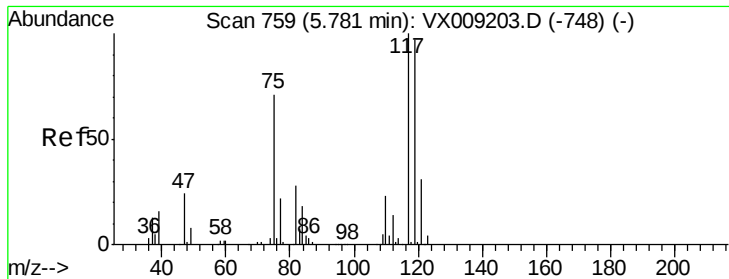
Tot Ion:113 Resp: 88081
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.379 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009788.D
 Acq: 22 May 2019 08:07

Tgt Ion: 75 Resp: 14336
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.064 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampled :

MW-5A_R2

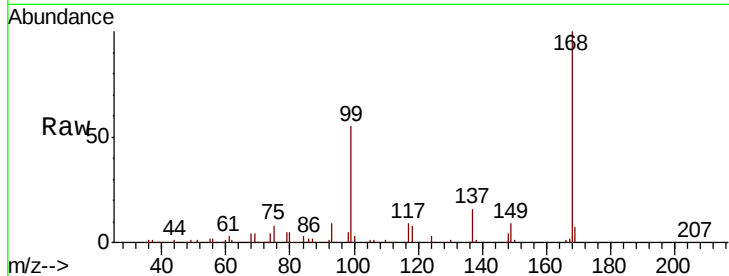
Tot Ion:117 Resp: 17104

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

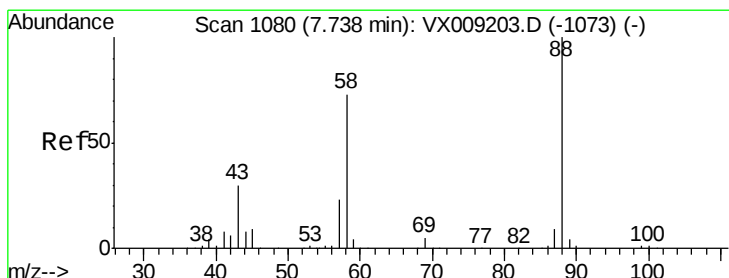
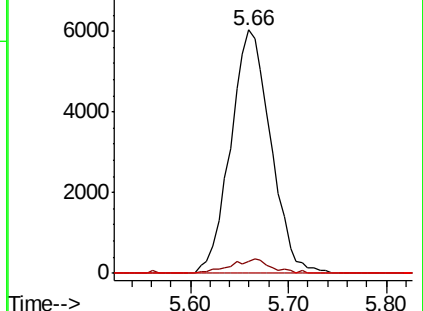
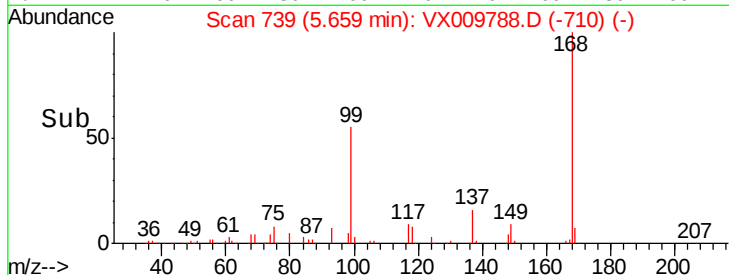
121 0.0 24.7 37.1#



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: 0.318 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.10 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

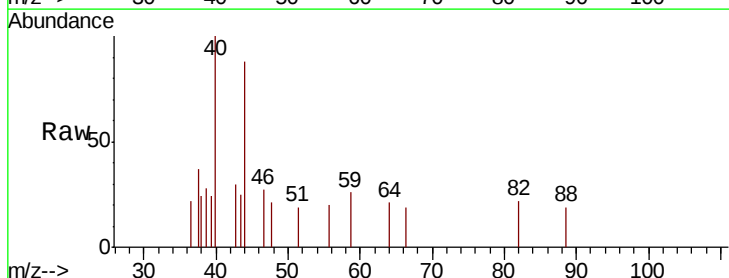
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 394.7 28.6 42.8#

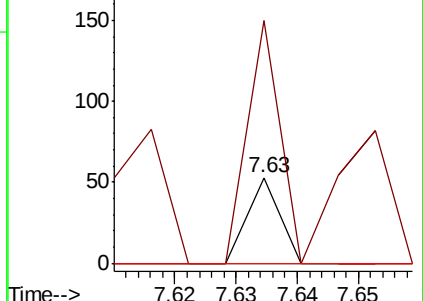
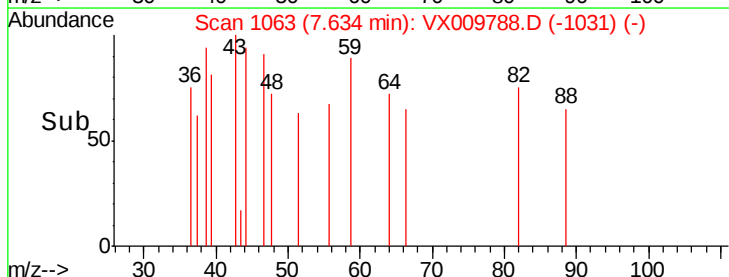
58 0.0 61.7 92.5#

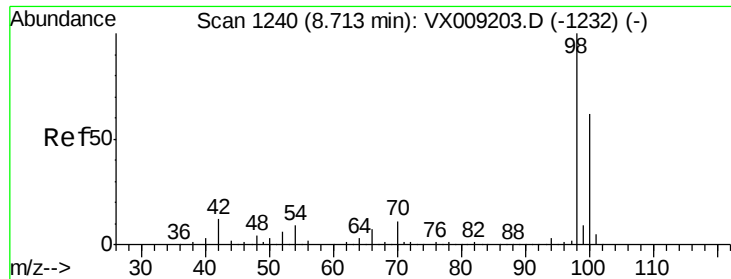


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

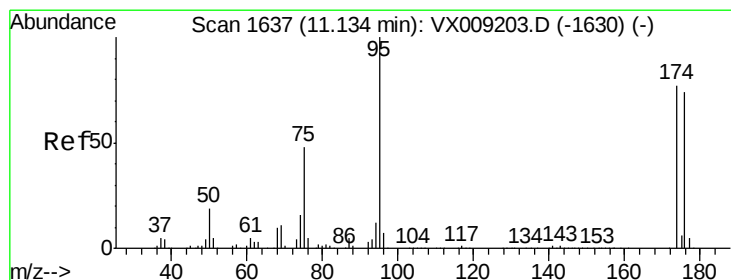
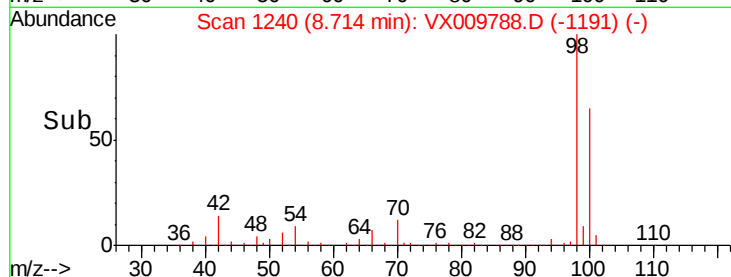
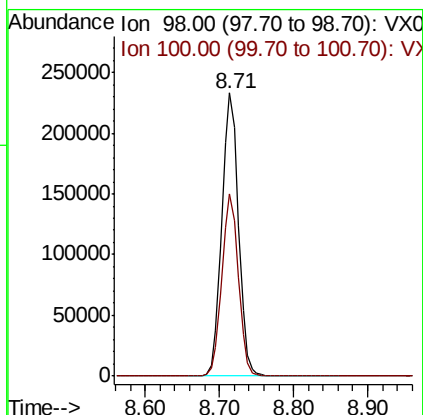
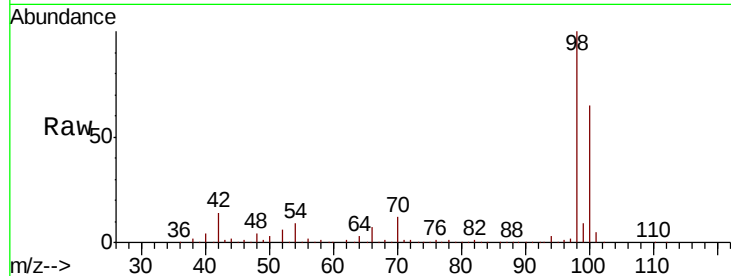




#50
Toluene-d8
Concen: 49.836 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009788.D
Acq: 22 May 2019 08:07

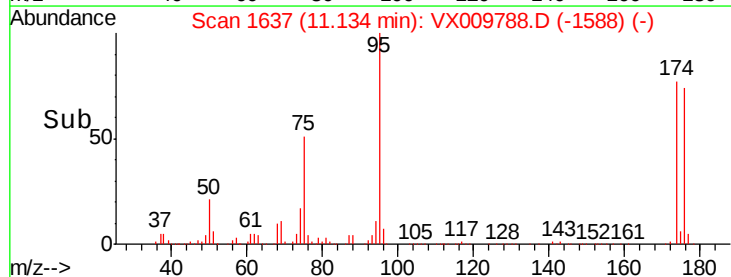
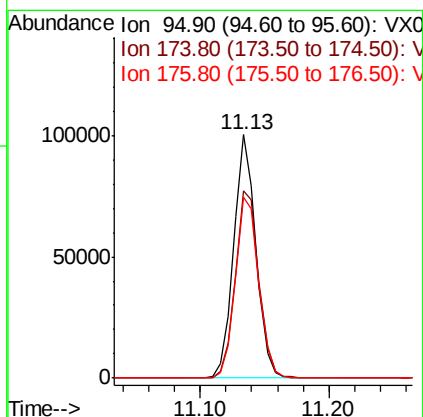
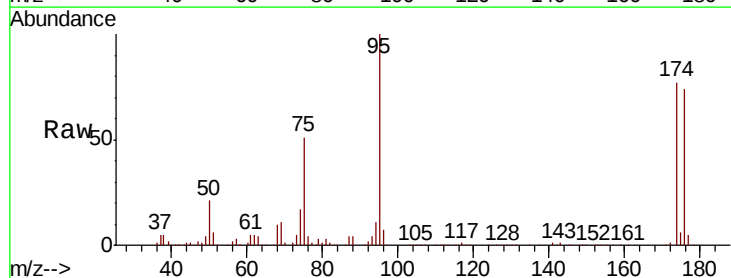
Instrument :
MSVOA_X
ClientSampled :
MW-5A_R2

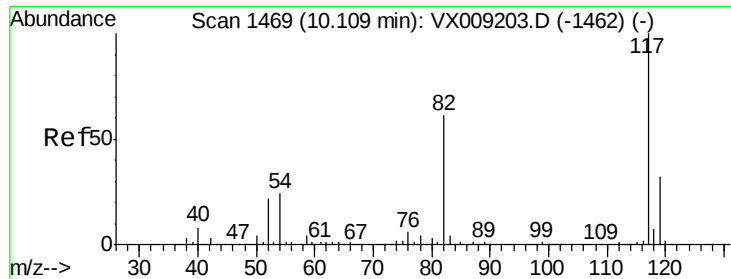
Tot Ion: 98 Resp: 362738
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.814 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009788.D
Acq: 22 May 2019 08:07

Tgt Ion: 95 Resp: 121168
Ion Ratio Lower Upper
95 100
174 81.4 0.0 161.6
176 78.1 0.0 159.2

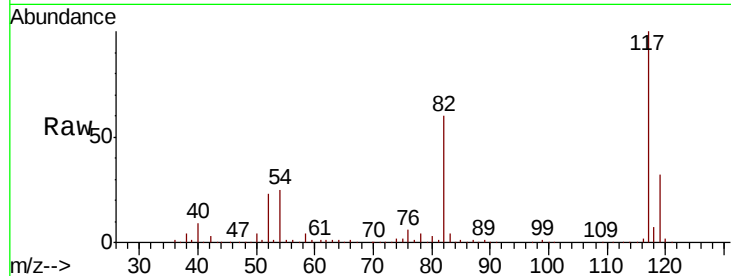




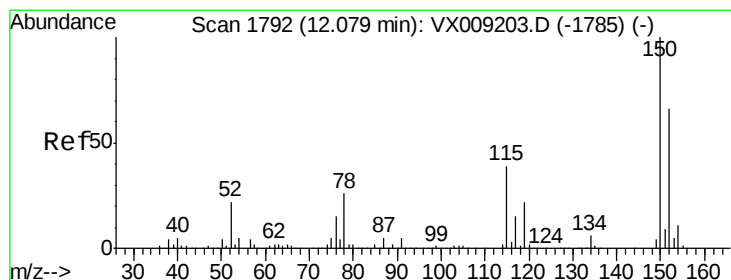
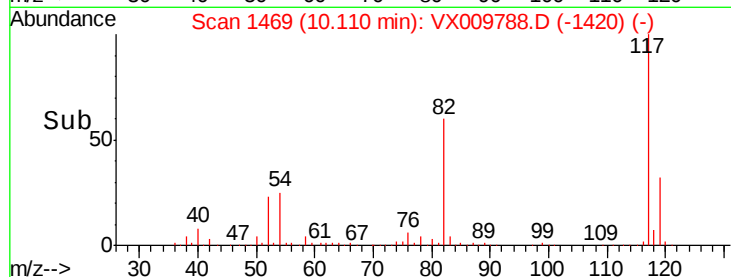
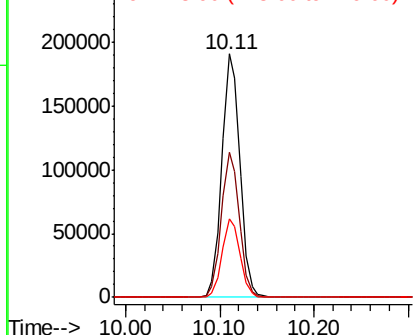
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009788.D
Acq: 22 May 2019 08:07

Instrument :
MSVOA_X
ClientSampled :
MW-5A_R2

Tot Ion:117 Resp: 254077
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 32.4 25.8 38.6

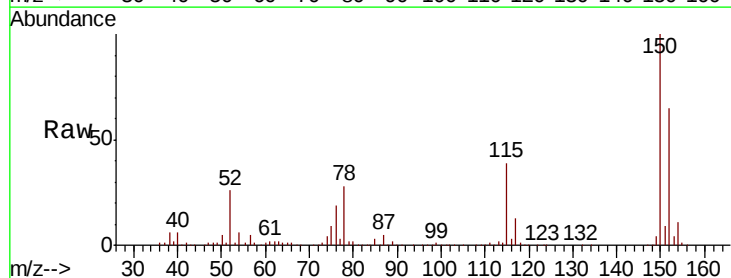


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

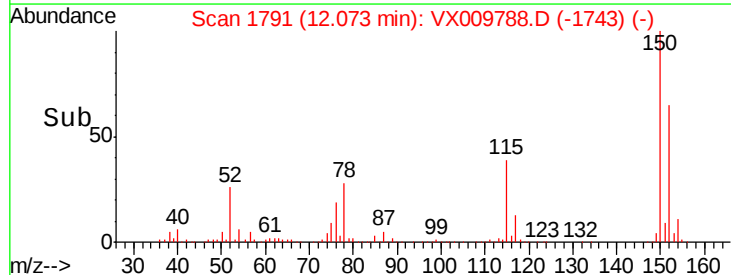
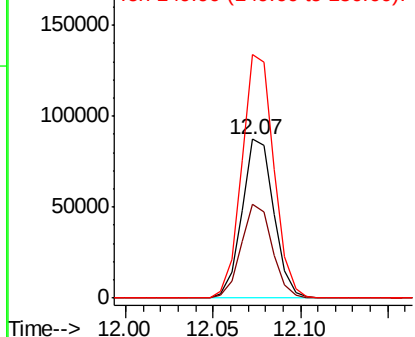


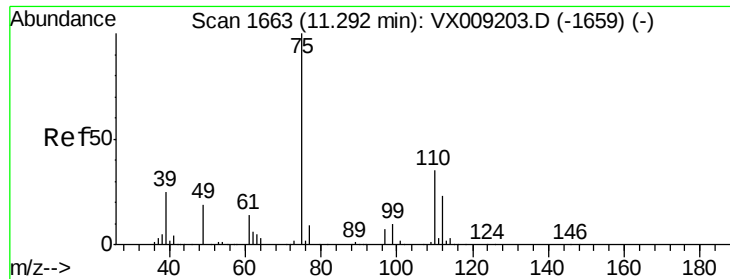
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX009788.D
Acq: 22 May 2019 08:07

Tgt Ion:152 Resp: 110193
Ion Ratio Lower Upper
152 100
115 58.2 41.2 123.6
150 154.9 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: 24.366 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

Instrument :

MSVOA_X

ClientSampleId :

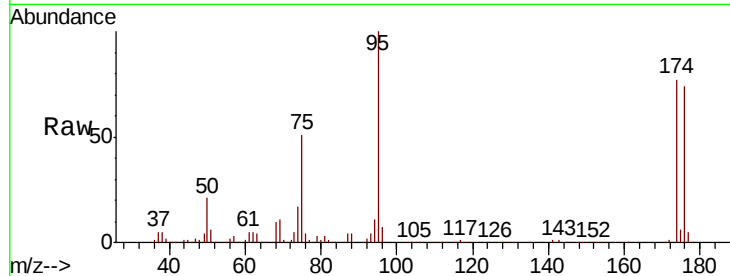
MW-5A_R2

Tot Ion: 75 Resp: 62281

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

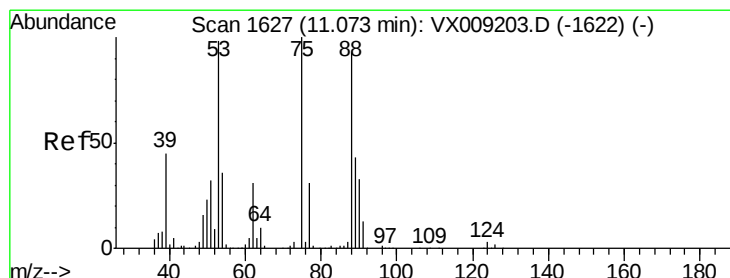
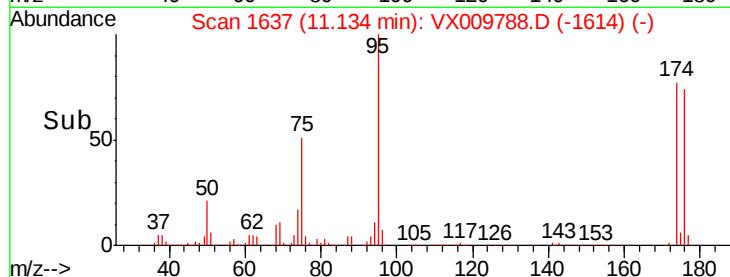
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 62.343 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009788.D

Acq: 22 May 2019 08:07

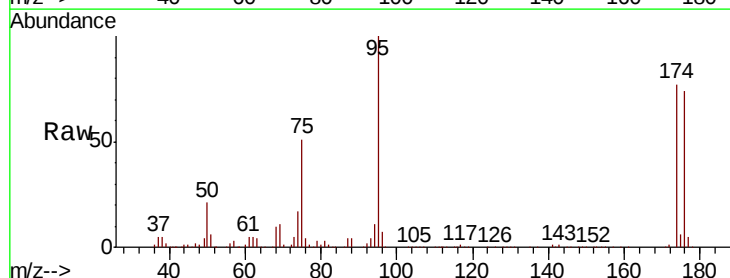
Tgt Ion: 75 Resp: 62281

Ion Ratio Lower Upper

75 100

53 0.0 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

60000

50000

40000

30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20

