

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009522.D
 Acq On : 11 May 2019 13:57
 Operator : JC/SP
 Sample : K2799-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: May 12 01:59:21 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	191346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114941	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	125580	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.50	113	93463	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	382783	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	127154	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

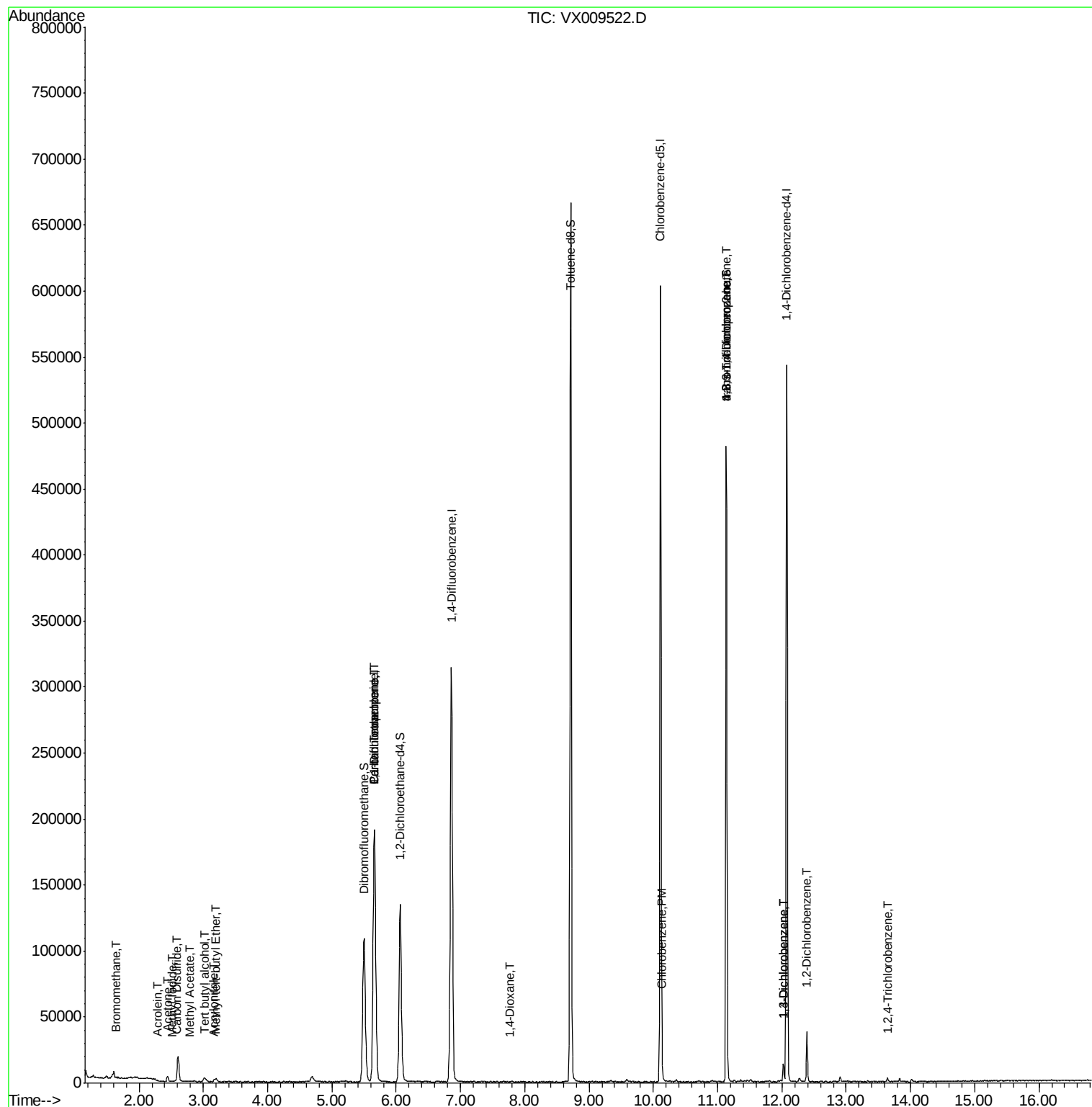
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	327	0.232	ug/l #	81
10) Methyl Iodide	2.51	142	443	4.787	ug/l #	92
11) Tert butyl alcohol	3.01	59	2168	3.586	ug/l #	78
13) Acrolein	2.29	56	275	0.502	ug/l #	62
15) Acrylonitrile	3.15	53	411	0.278	ug/l #	73
16) Acetone	2.44	43	4578	3.264	ug/l	98
17) Carbon Disulfide	2.57	76	1211	0.240	ug/l #	73
18) Methyl Acetate	2.79	43	697	0.209	ug/l #	56
19) Methyl tert-butyl Ether	3.20	73	2263	0.325	ug/l	99
28) Bromochloromethane	5.01	49	49	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	15086	5.303	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18055	6.986	ug/l #	16
49) 1,4-Dioxane	7.76	88	21	0.329	ug/l #	1
65) Chlorobenzene	10.14	112	1552	0.289	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	64940	24.357	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64940	62.320	ug/l #	10
87) 1,3-Dichlorobenzene	12.02	146	4291	1.160	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	4291	1.151	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	11264	2.990	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	759	0.295	ug/l	92

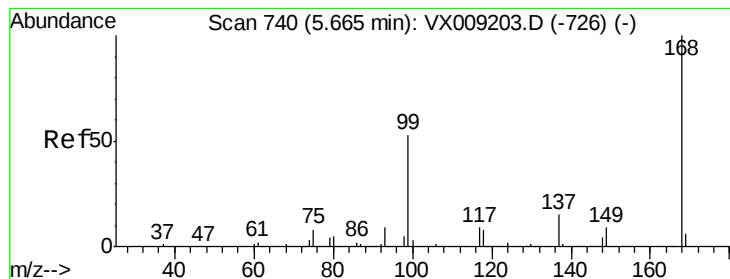
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW-1

Quant Time: May 12 01:59:21 2019
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: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

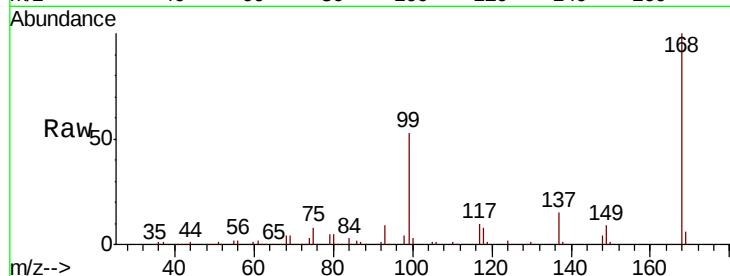
MW-1

Tot Ion:168 Resp: 191346

Ion Ratio Lower Upper

168 100

99 53.0 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

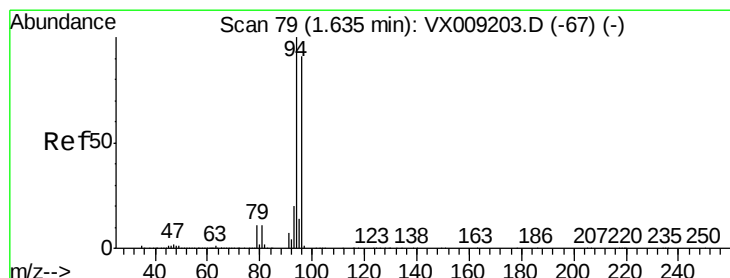
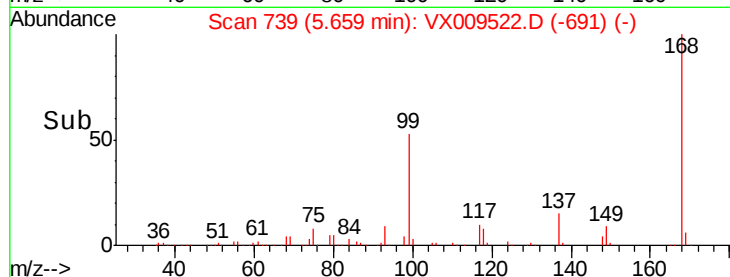
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.232 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009522.D

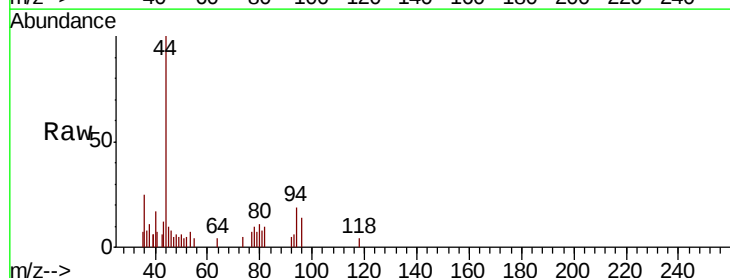
Acq: 11 May 2019 13:57

Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 72.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

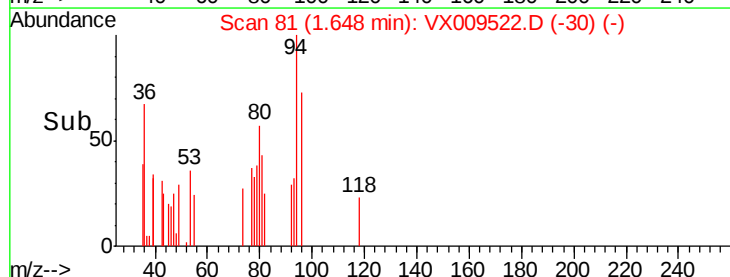
150

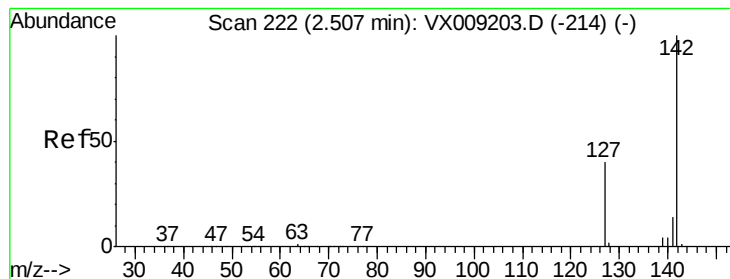
100

50

0

Time--> 1.62 1.64 1.66 1.68

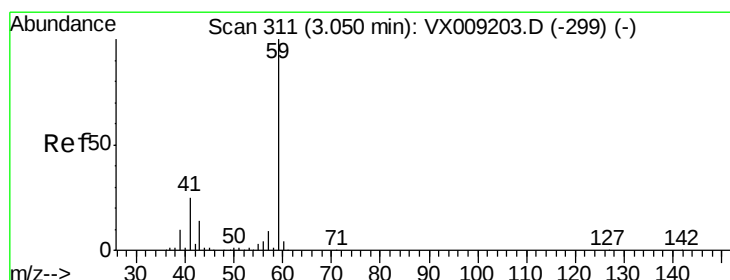
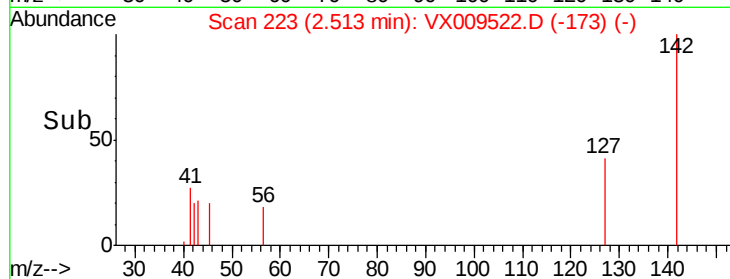
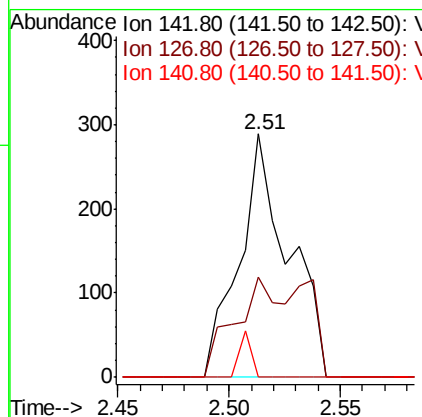
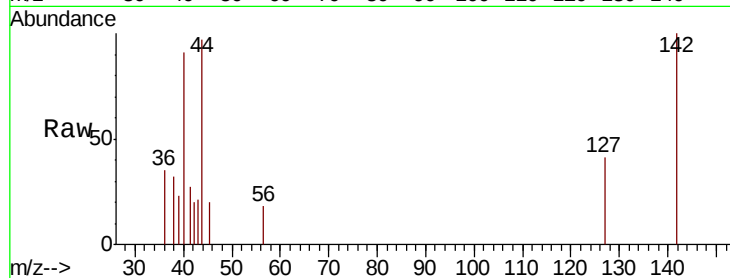




#10
Methvl Iodide
Concen: 4.787 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

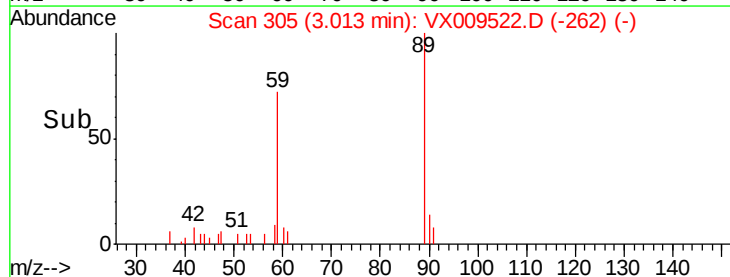
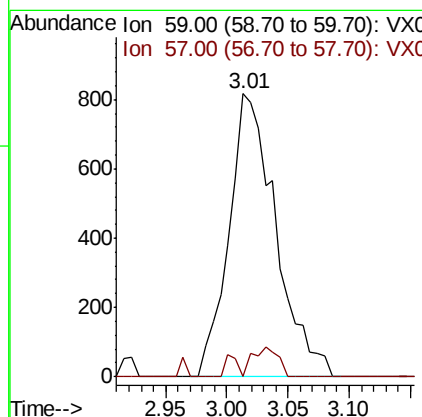
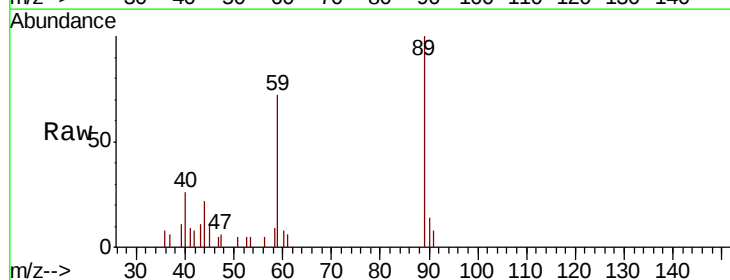
Instrument :
MSVOA_X
ClientSampleId :
MW-1

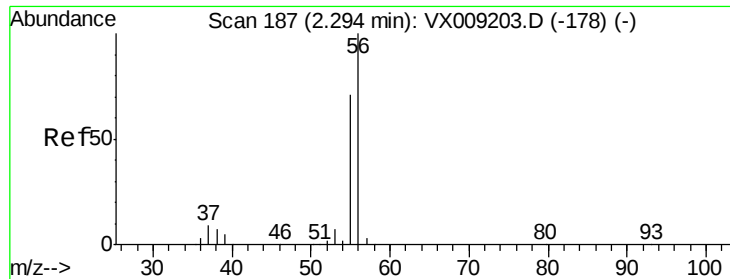
Tot Ion:142 Resp: 443
Ion Ratio Lower Upper
142 100
127 39.7 32.7 49.1
141 4.5 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.586 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

Tgt Ion: 59 Resp: 2168
Ion Ratio Lower Upper
59 100
57 1.9 8.2 12.2#





#13

Acrolein

Concen: 0.502 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampled :

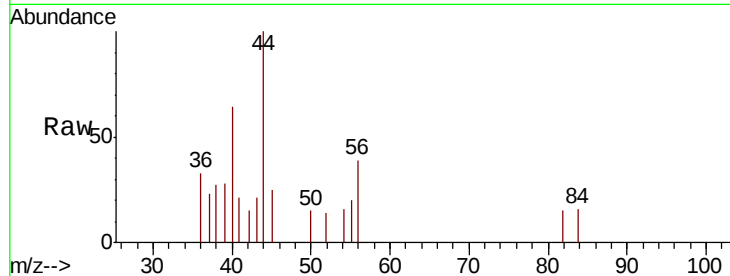
MW-1

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 102.2 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

150

100

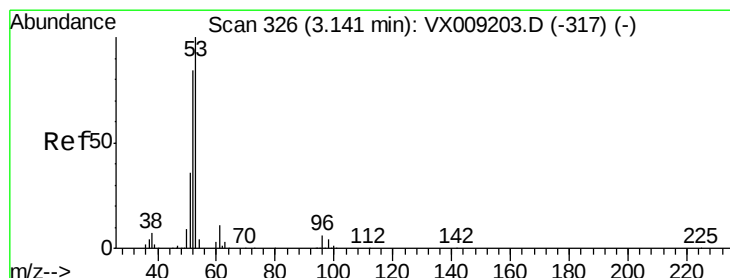
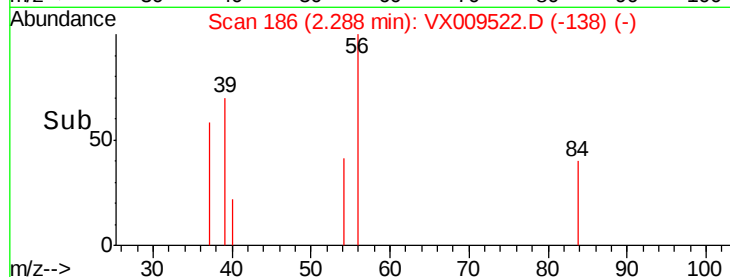
50

0

2.25

2.30

Time-->



#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

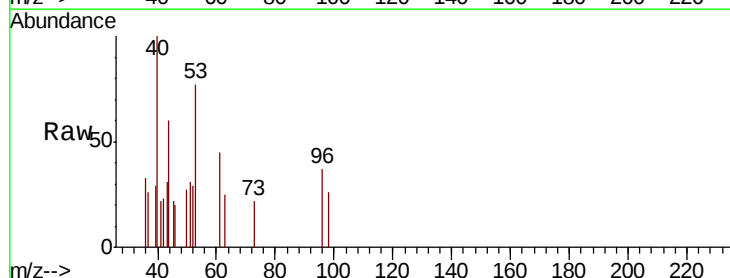
Tgt Ion: 53 Resp: 411

Ion Ratio Lower Upper

53 100

52 50.4 66.9 100.3#

51 37.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

250

200

150

100

50

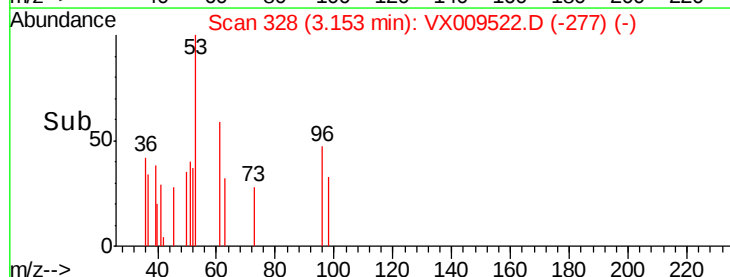
0

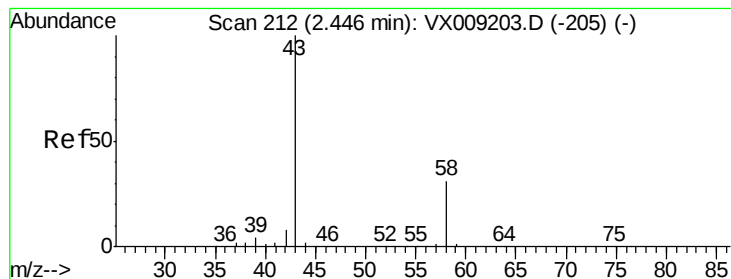
3.10

3.15

3.20

Time-->





#16

Acetone

Concen: 3.264 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

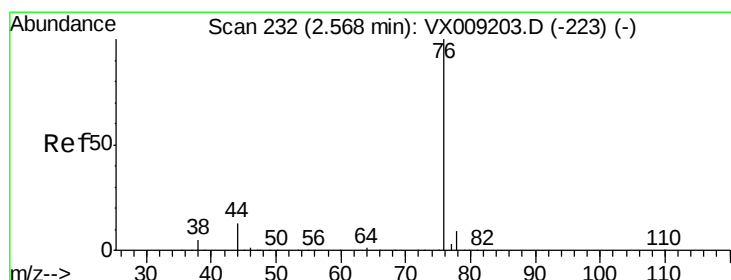
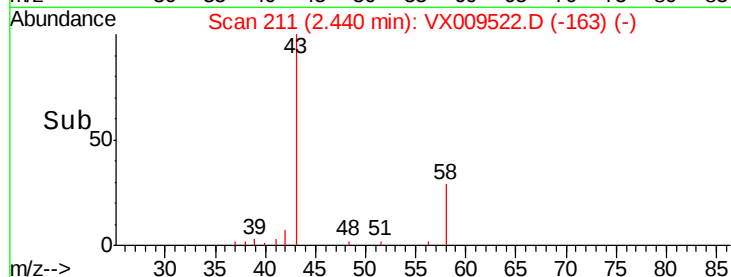
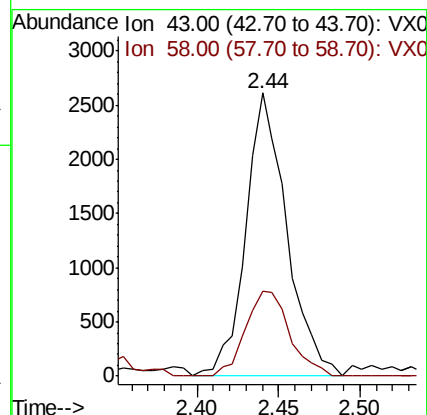
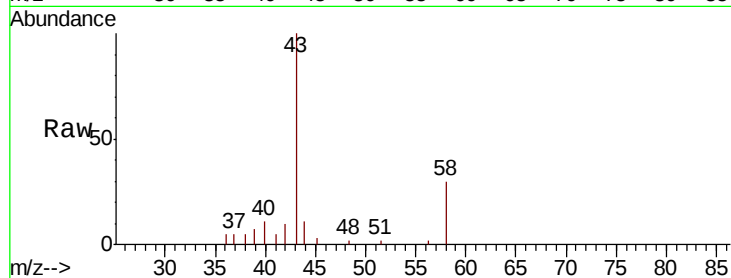
MW-1

Tot Ion: 43 Resp: 4578

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3



#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009522.D

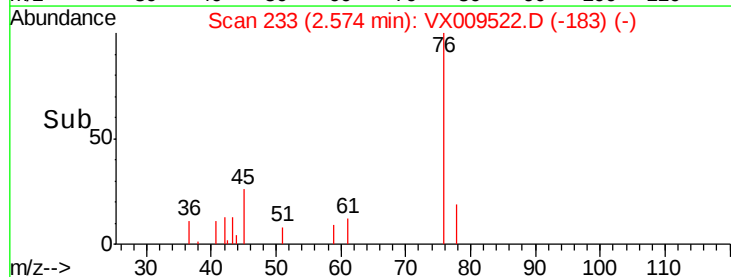
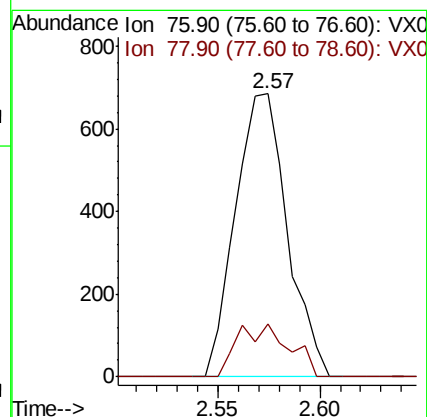
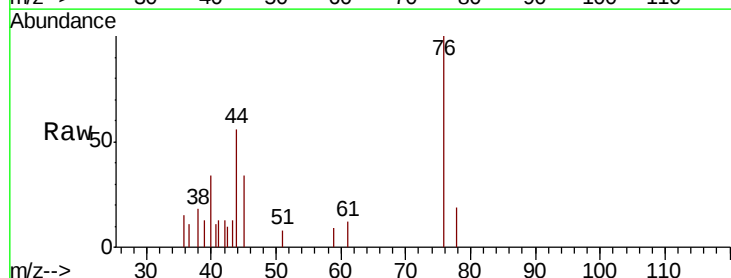
Acq: 11 May 2019 13:57

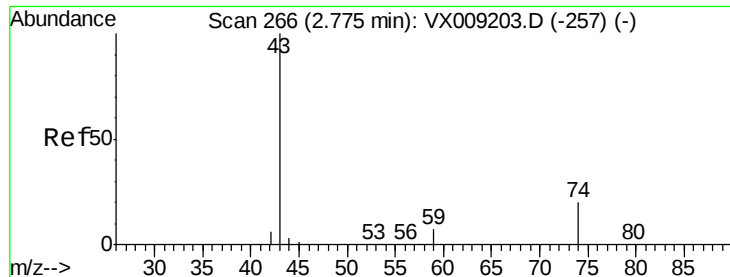
Tgt Ion: 76 Resp: 1211

Ion Ratio Lower Upper

76 100

78 18.8 7.4 11.0#

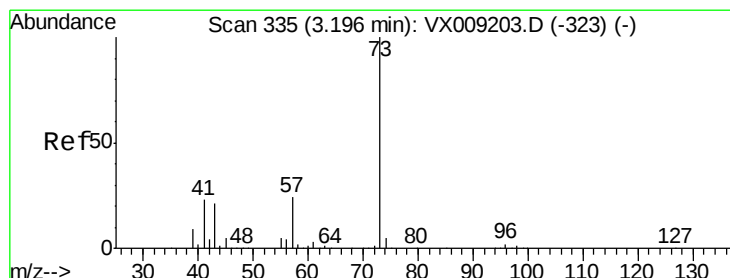
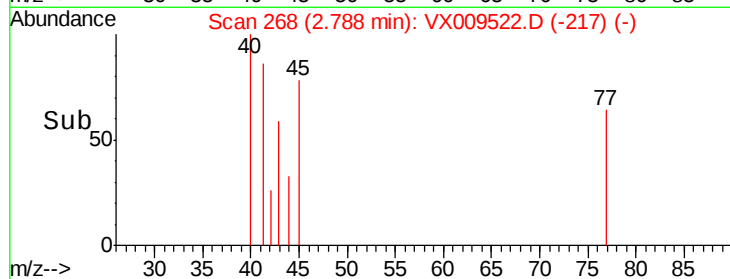
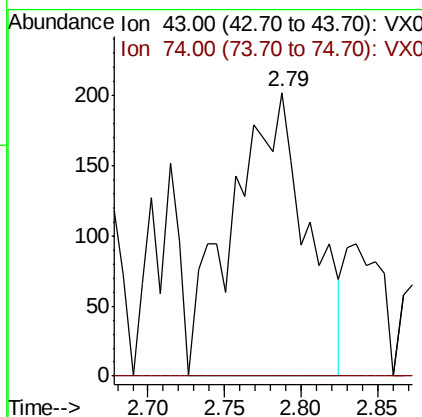
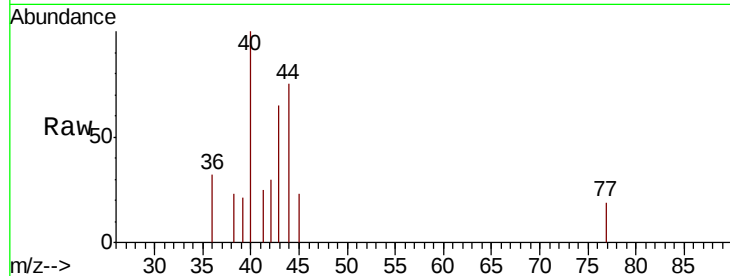




#18
Methyl Acetate
Concen: 0.209 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

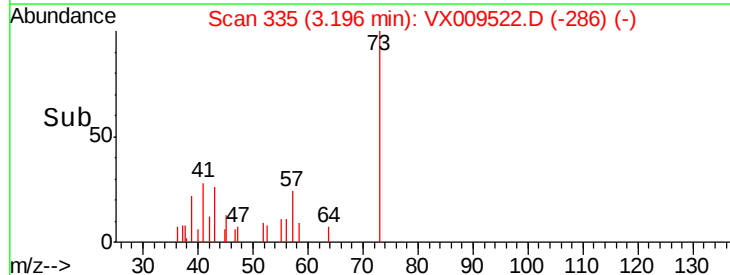
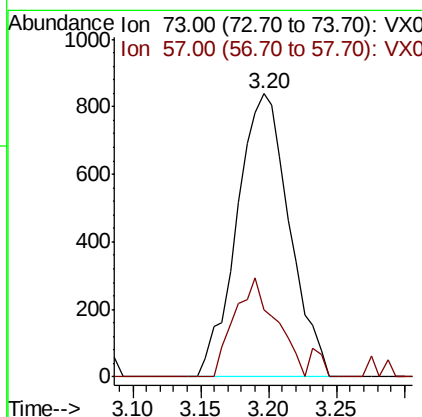
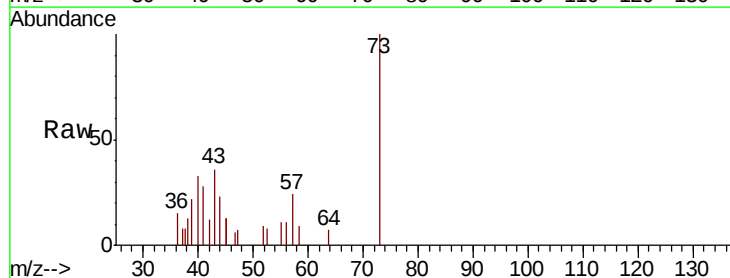
Instrument :
MSVOA_X
ClientSampled :
MW-1

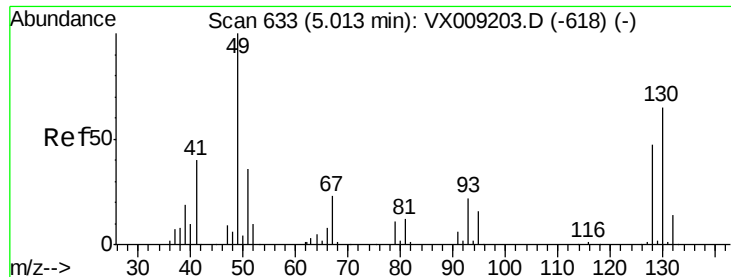
Tot Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
74 0.0 16.2 24.4#



#19
Methyl tert-butyl Ether
Concen: 0.325 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

Tgt Ion: 73 Resp: 2263
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

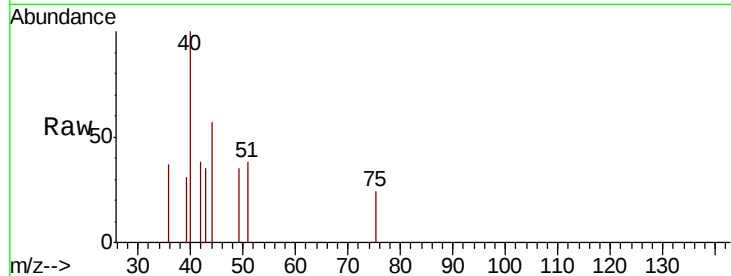
Delta R.T. 0.00 min

Lab File: VX009522.D

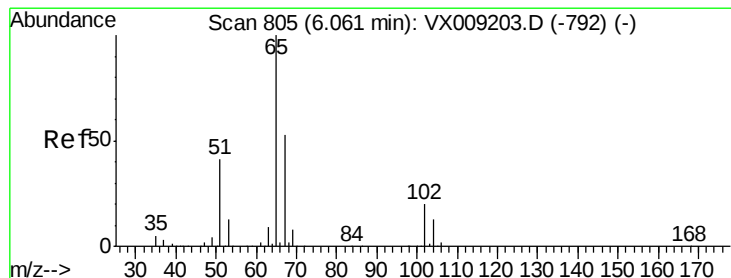
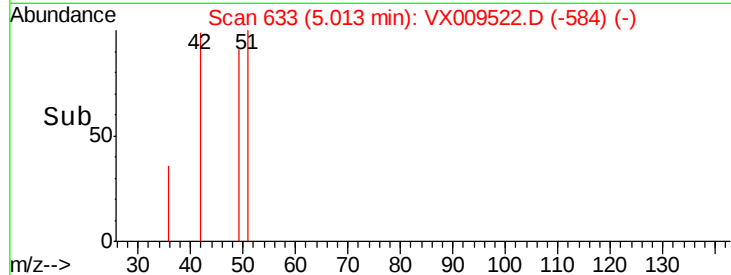
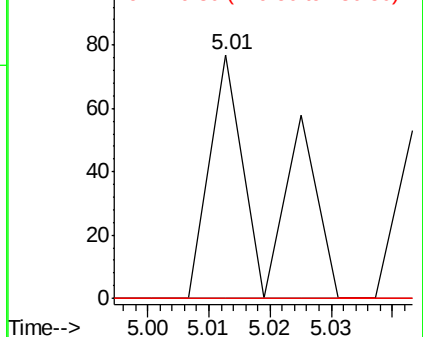
Acq: 11 May 2019 13:57

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion: 49 Resp: 49
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



#33

1,2-Dichloroethane-d4

Concen: 48.076 ug/l

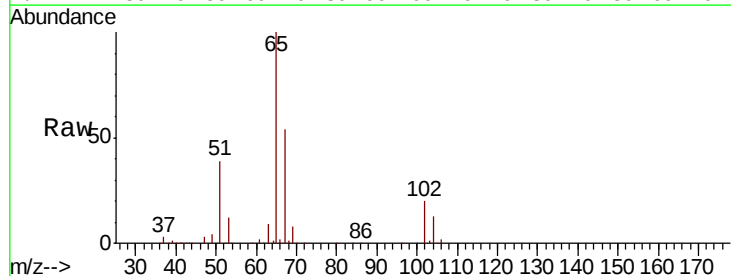
RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

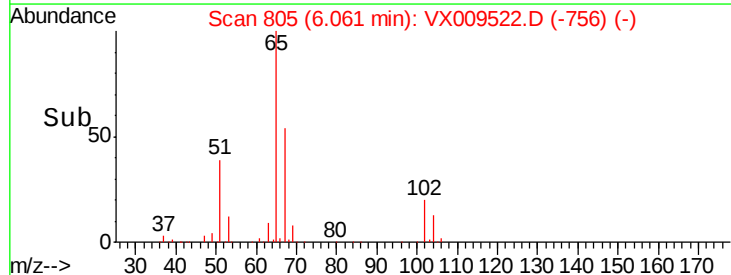
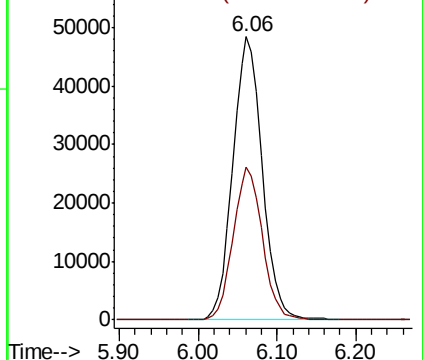
Lab File: VX009522.D

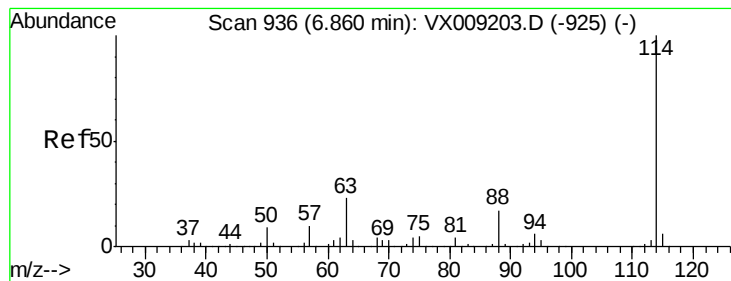
Acq: 11 May 2019 13:57

Tgt Ion: 65 Resp: 125580
Ion Ratio Lower Upper
65 100
67 53.5 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: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1

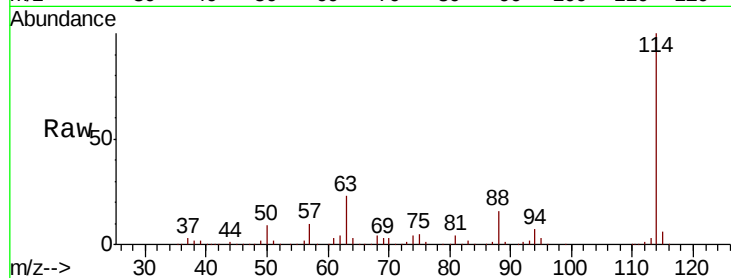
Tot Ion:114 Resp: 306093

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

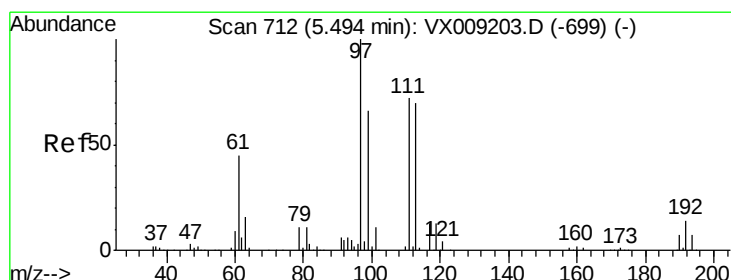
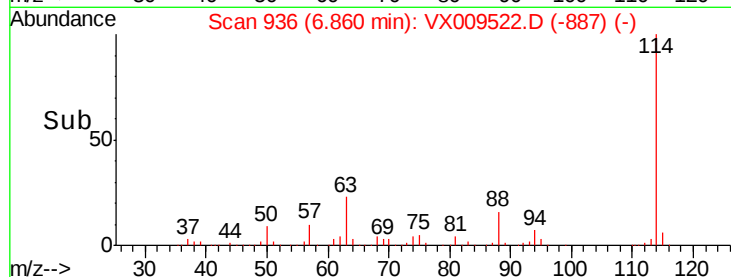
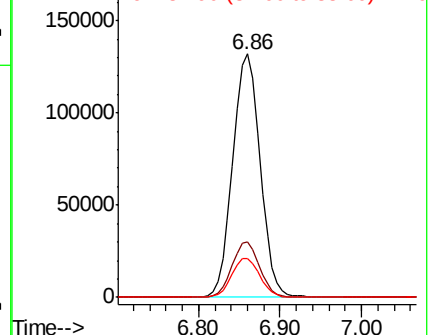
88 15.8 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 48.572 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

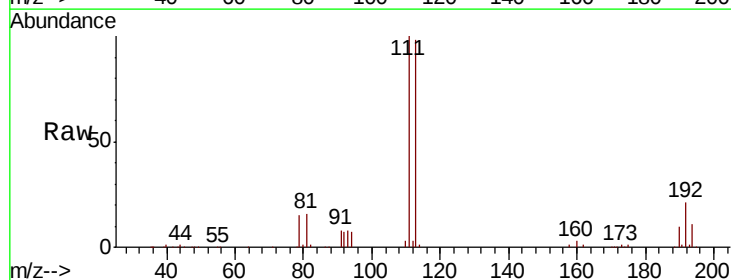
Tgt Ion:113 Resp: 93463

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

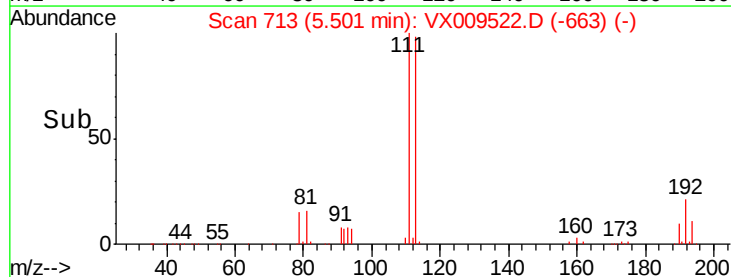
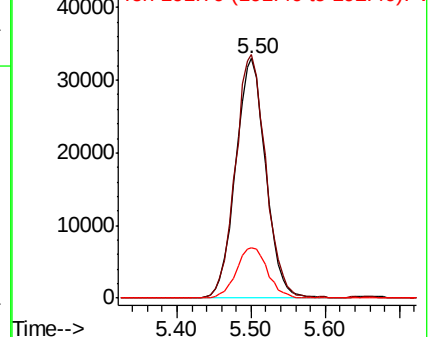
192 21.8 17.0 25.6

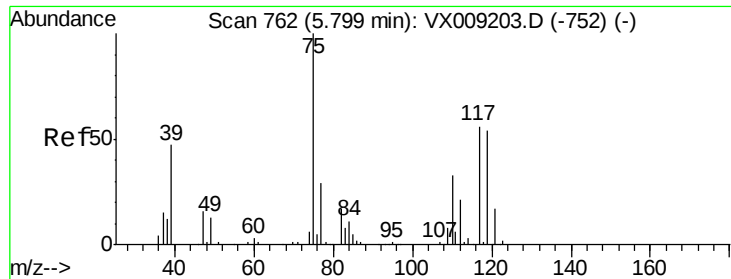


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

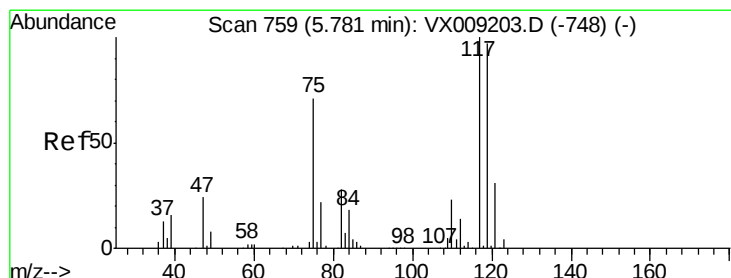
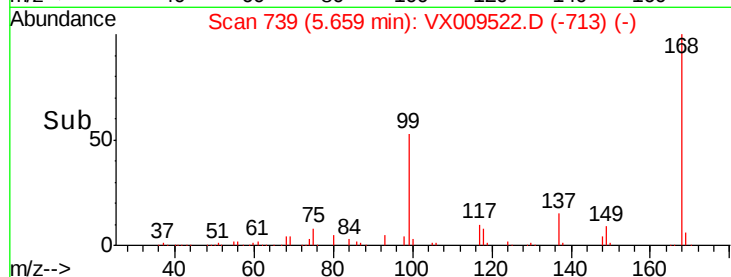
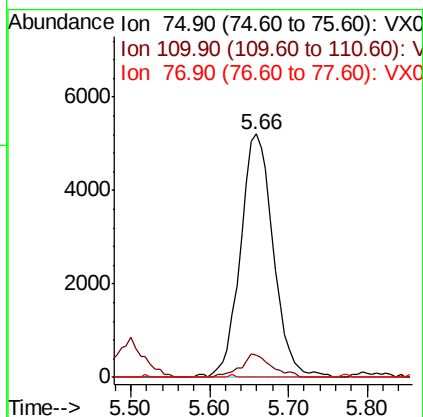
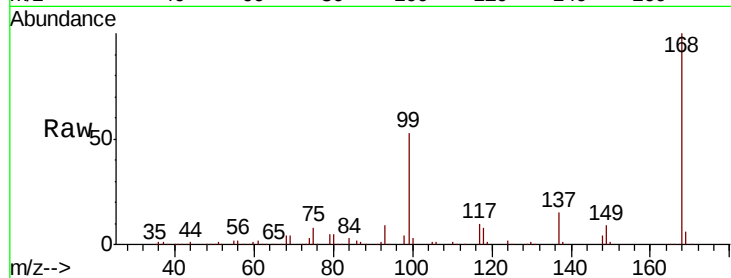




#36
 1,1-Dichloropropene
 Concen: 5.303 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

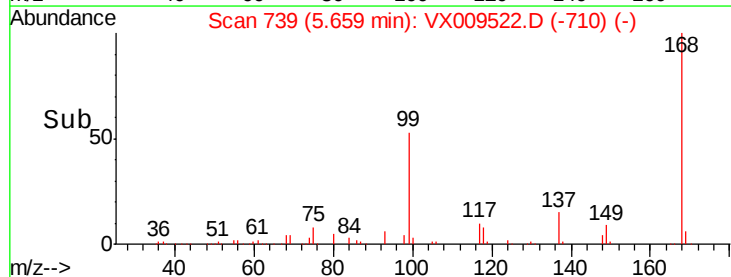
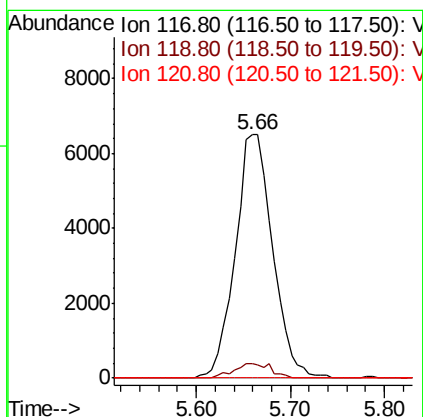
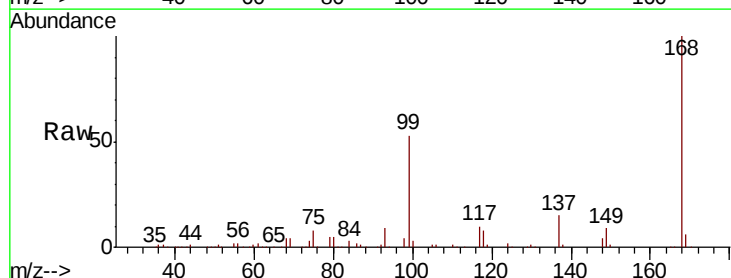
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

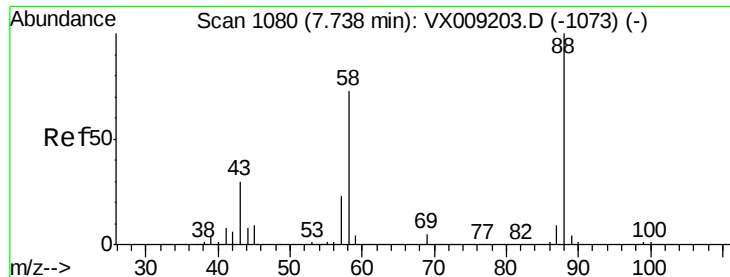
Tot Ion: 75 Resp: 15086
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.986 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

Tgt Ion: 117 Resp: 18055
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.5 116.3#
 121 0.0 24.7 37.1#

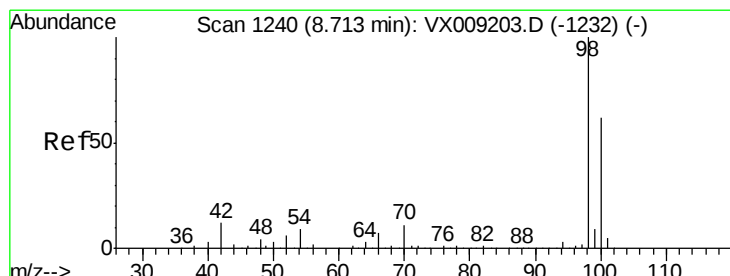
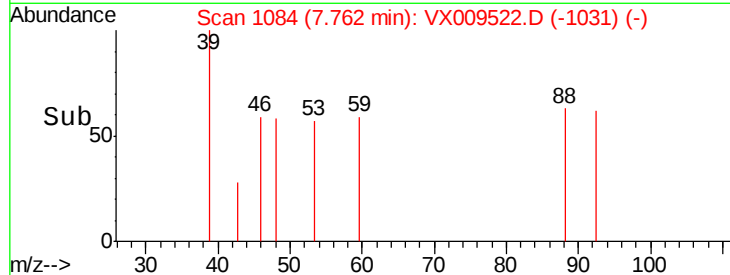
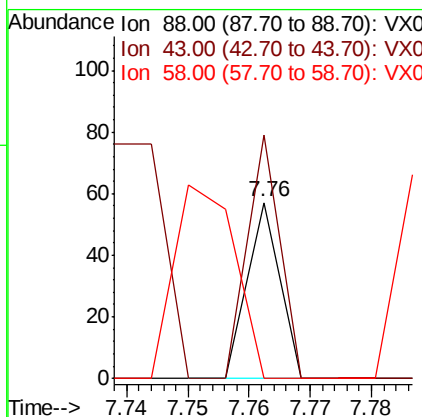
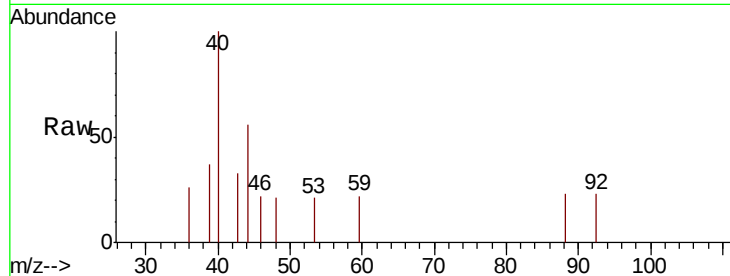




#49
 1,4-Dioxane
 Concen: 0.329 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

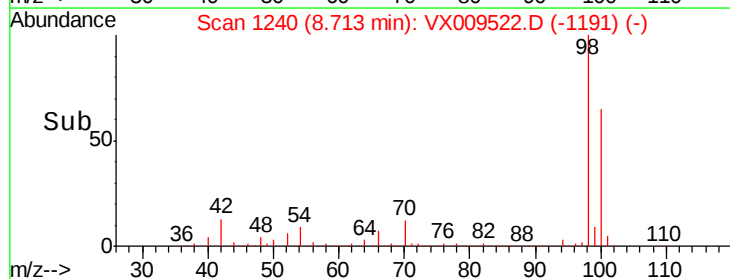
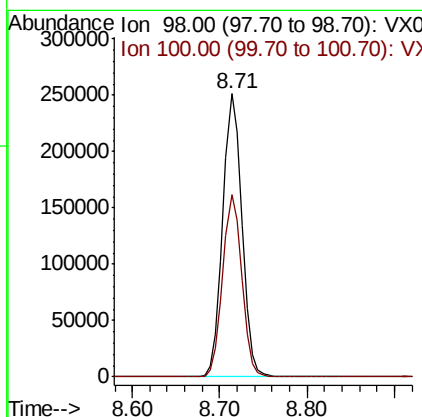
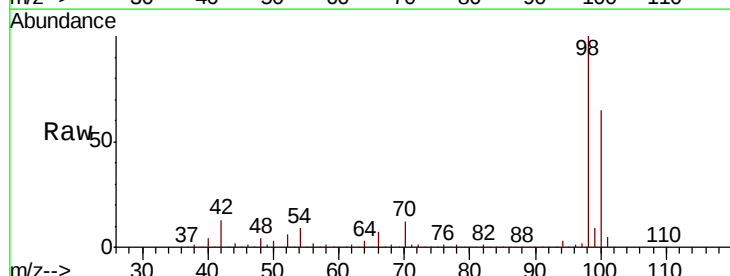
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

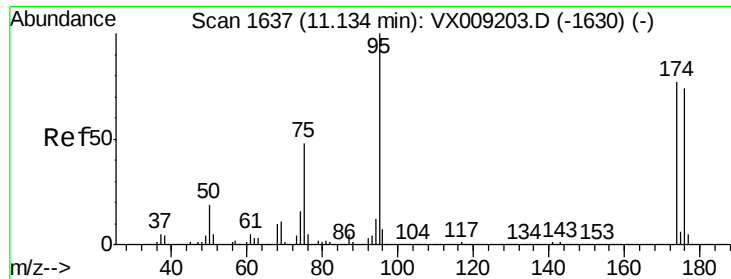
Tot Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 138.1 28.6 42.8#
 58 204.8 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.273 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

Tgt Ion: 98 Resp: 382783
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 45.045 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1

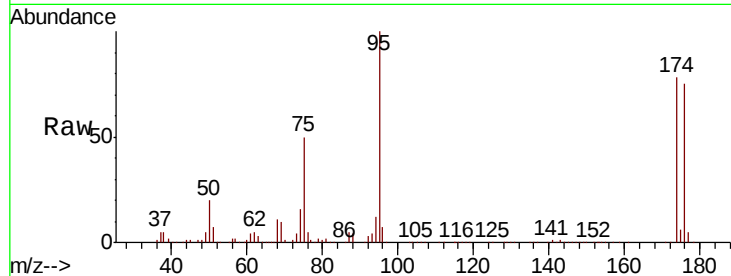
Tot Ion: 95 Resp: 127154

Ion Ratio Lower Upper

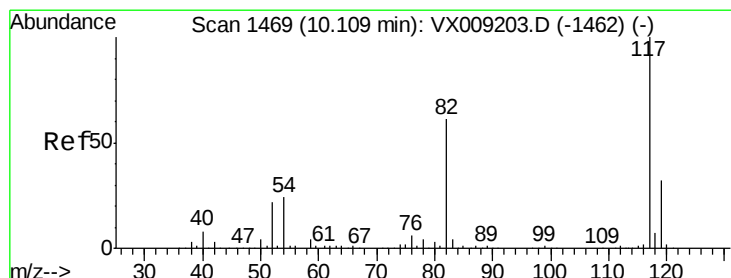
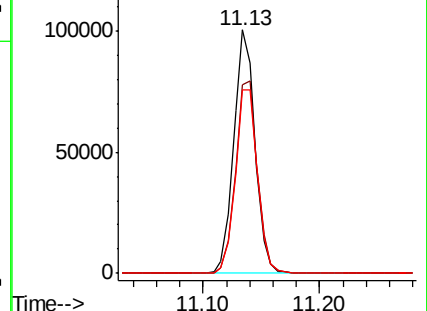
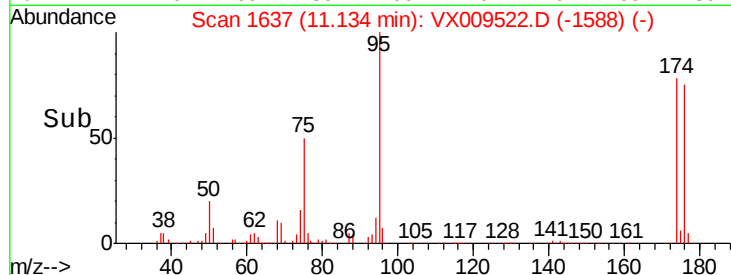
95 100

174 81.9 0.0 161.6

176 78.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009522.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

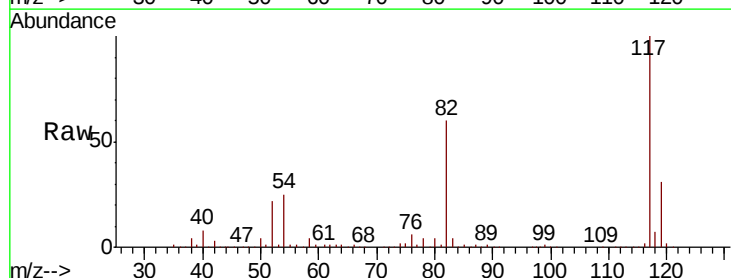
Tgt Ion: 117 Resp: 268202

Ion Ratio Lower Upper

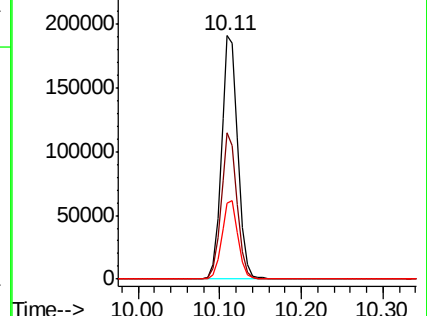
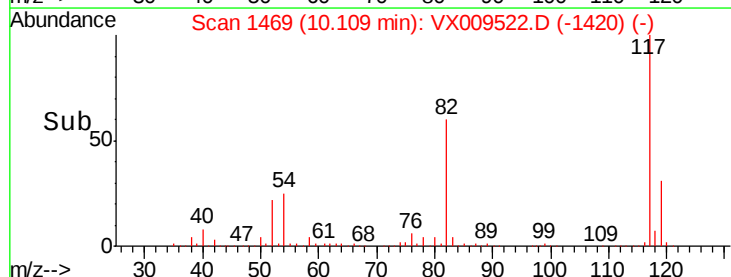
117 100

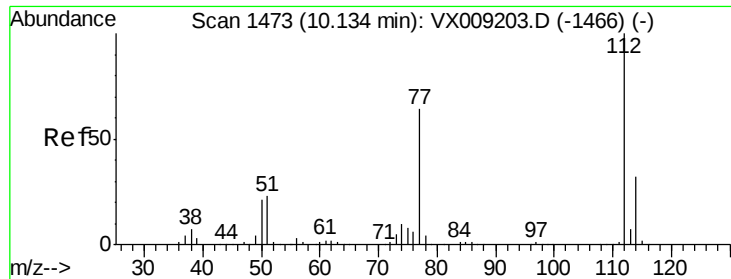
82 60.3 48.8 73.2

119 31.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009522.D (-1420) (-)

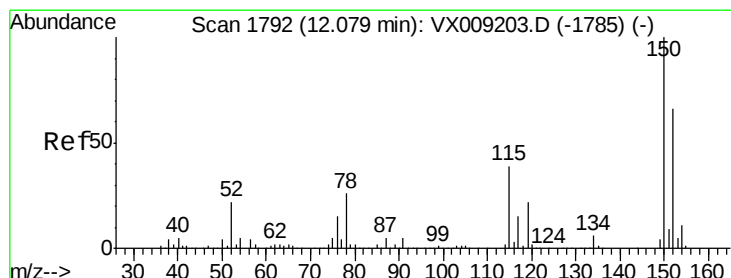
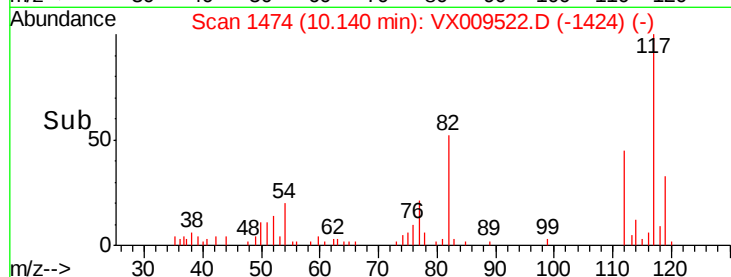
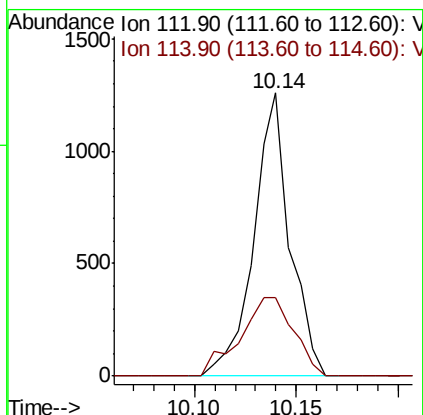
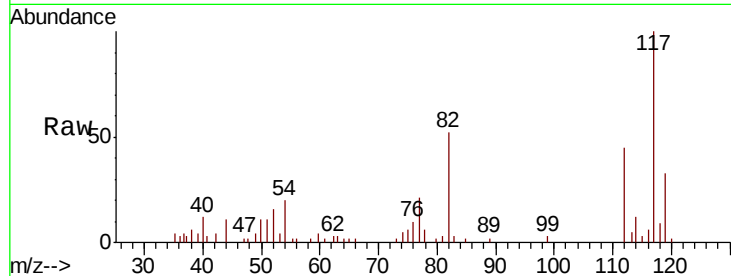




#65
Chlorobenzene
Concen: 0.289 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

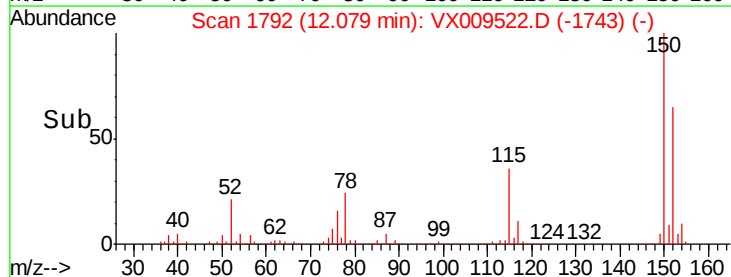
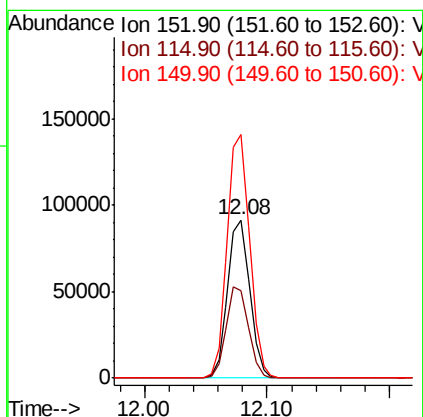
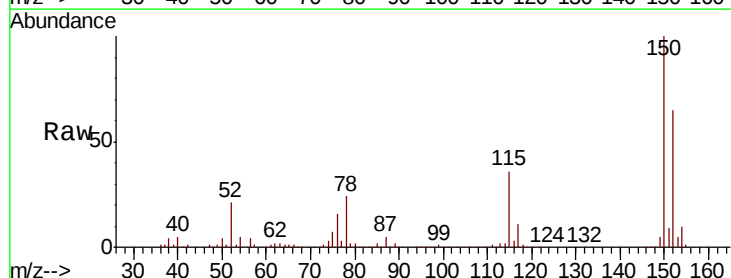
Instrument :
MSVOA_X
ClientSampled :
MW-1

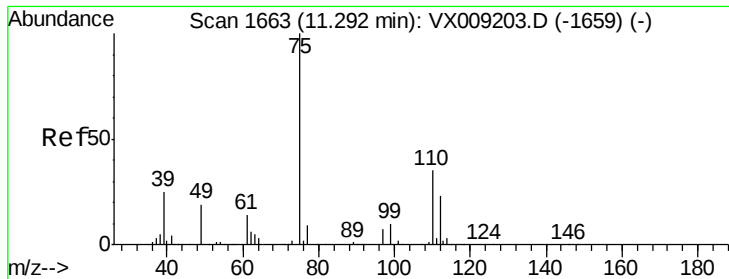
Tot Ion:112 Resp: 1552
Ion Ratio Lower Upper
112 100
114 27.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009522.D
Acq: 11 May 2019 13:57

Tgt Ion:152 Resp: 114941
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 155.7 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.357 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

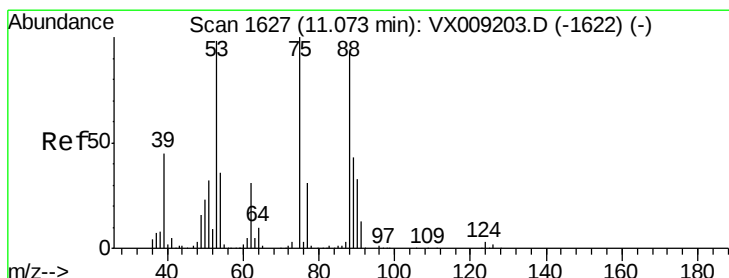
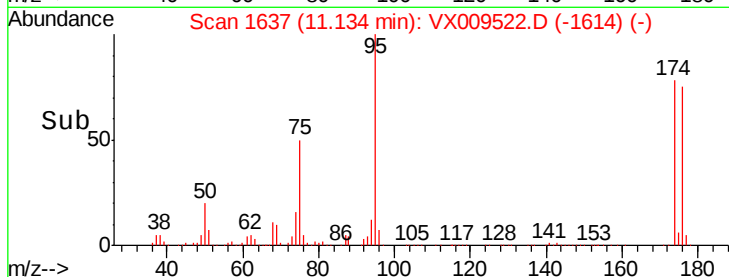
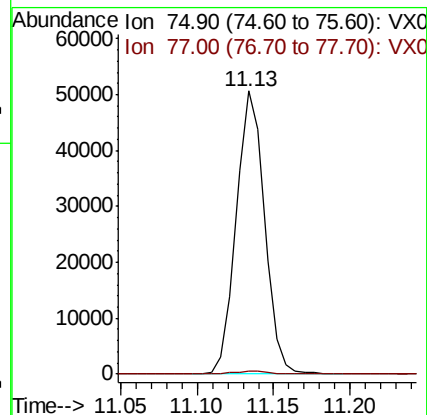
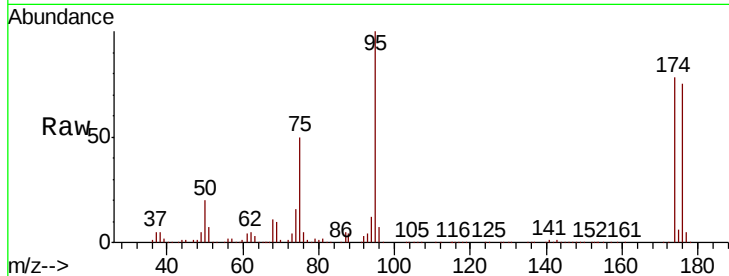
MW-1

Tot Ion: 75 Resp: 64940

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.320 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

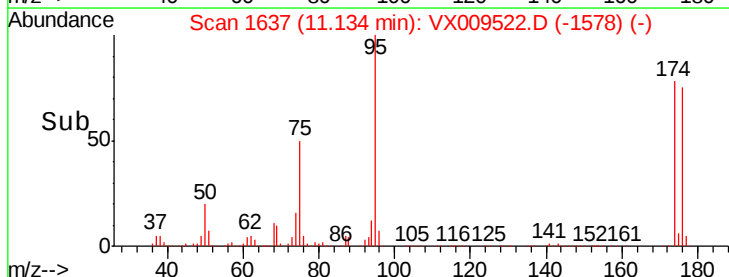
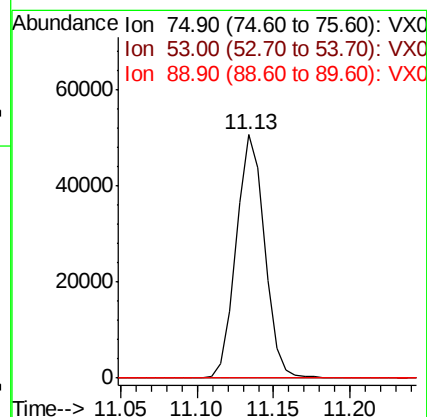
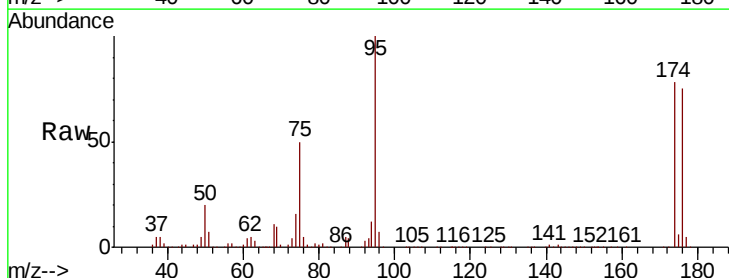
Tgt Ion: 75 Resp: 64940

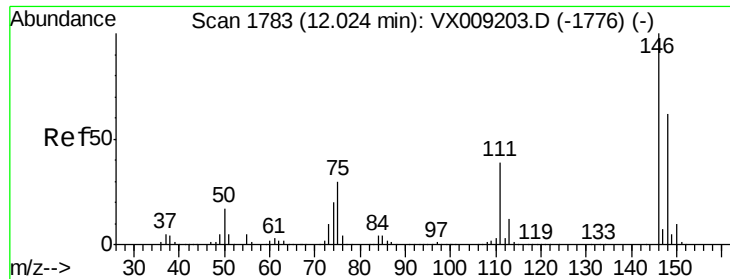
Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#





#87

1,3-Dichlorobenzene

Concen: 1.160 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1

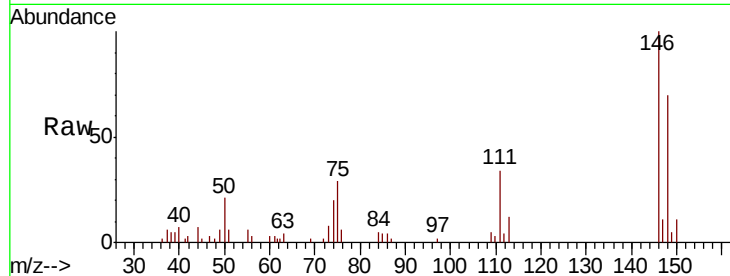
Tot Ion:146 Resp: 4291

Ion Ratio Lower Upper

146 100

111 40.8 20.0 59.9

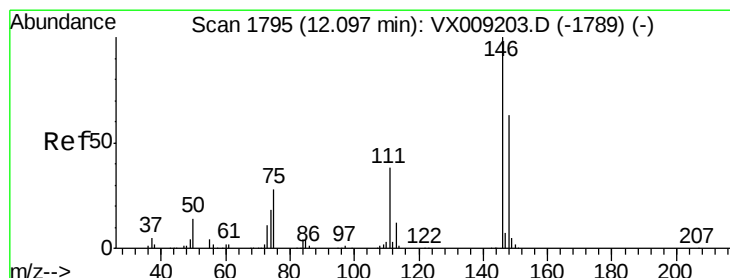
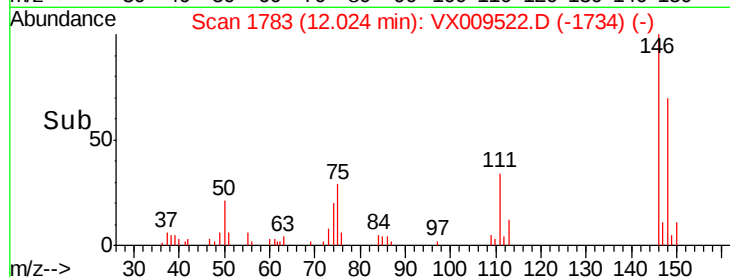
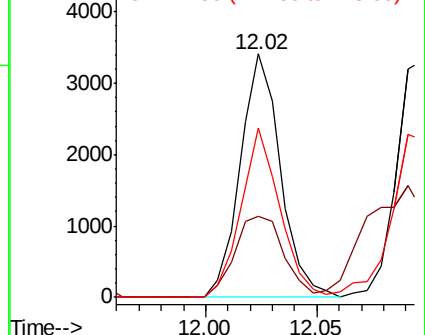
148 67.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.151 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX009522.D

Acq: 11 May 2019 13:57

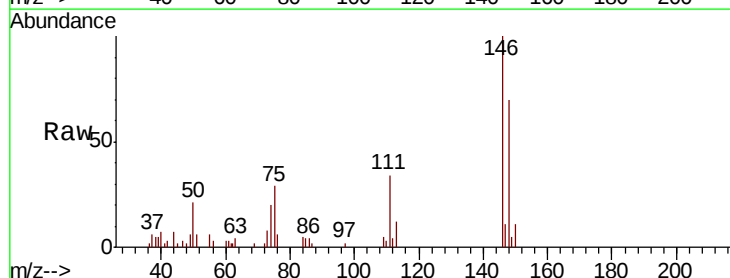
Tgt Ion:146 Resp: 4291

Ion Ratio Lower Upper

146 100

111 40.8 19.6 58.8

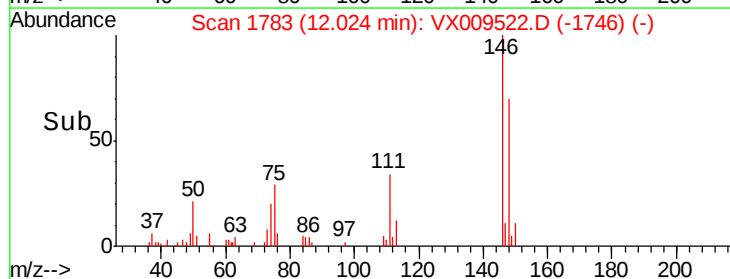
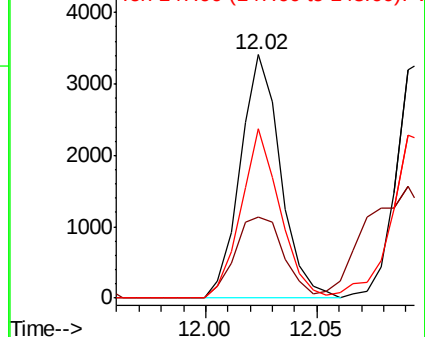
148 67.4 31.8 95.3

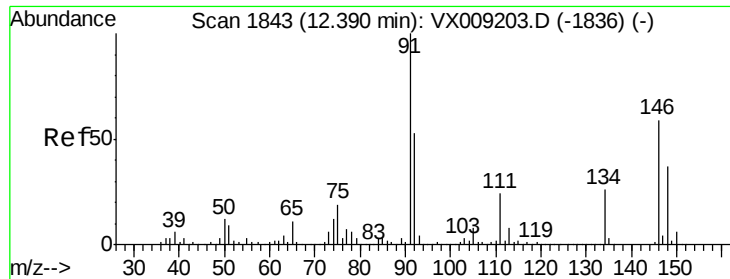


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

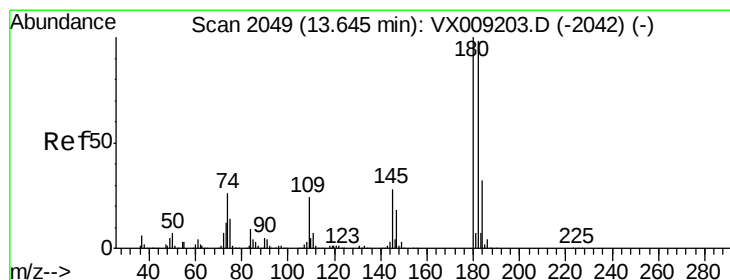
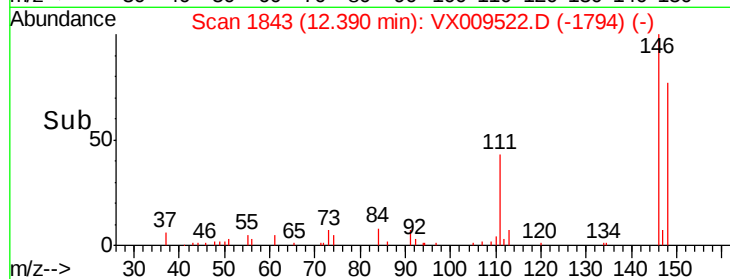
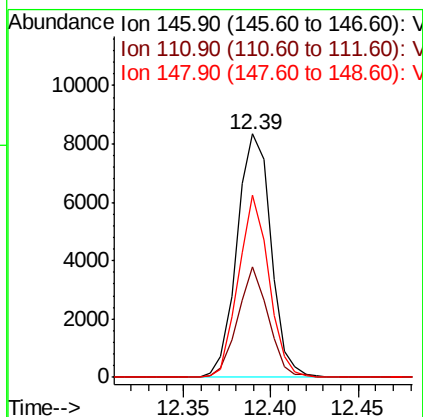
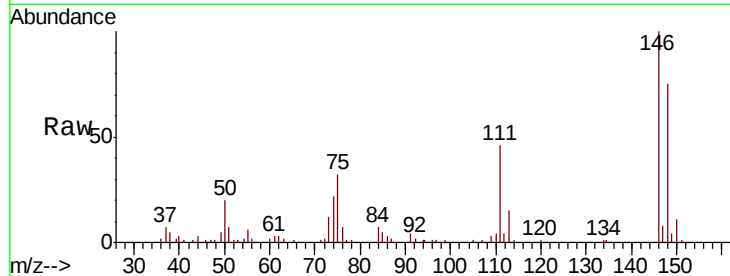




#91
 1,2-Dichlorobenzene
 Concen: 2.990 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion:146 Resp: 11264
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.4
 148 67.5 31.9 95.9



#93
 1,2,4-Trichlorobenzene
 Concen: 0.295 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009522.D
 Acq: 11 May 2019 13:57

Tgt Ion:180 Resp: 759
 Ion Ratio Lower Upper
 180 100
 182 86.8 48.4 145.2
 145 27.8 14.6 43.8

