

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014059.D
 Acq On : 17 Dec 2019 18:09
 Operator : JC/SP
 Sample : K6251-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20191207

Quant Time: Dec 18 07:15:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	575557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	889134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	788793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	321450	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
35) Dibromofluoromethane	5.49	113	264012	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	1041420	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.14	95	347104	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	

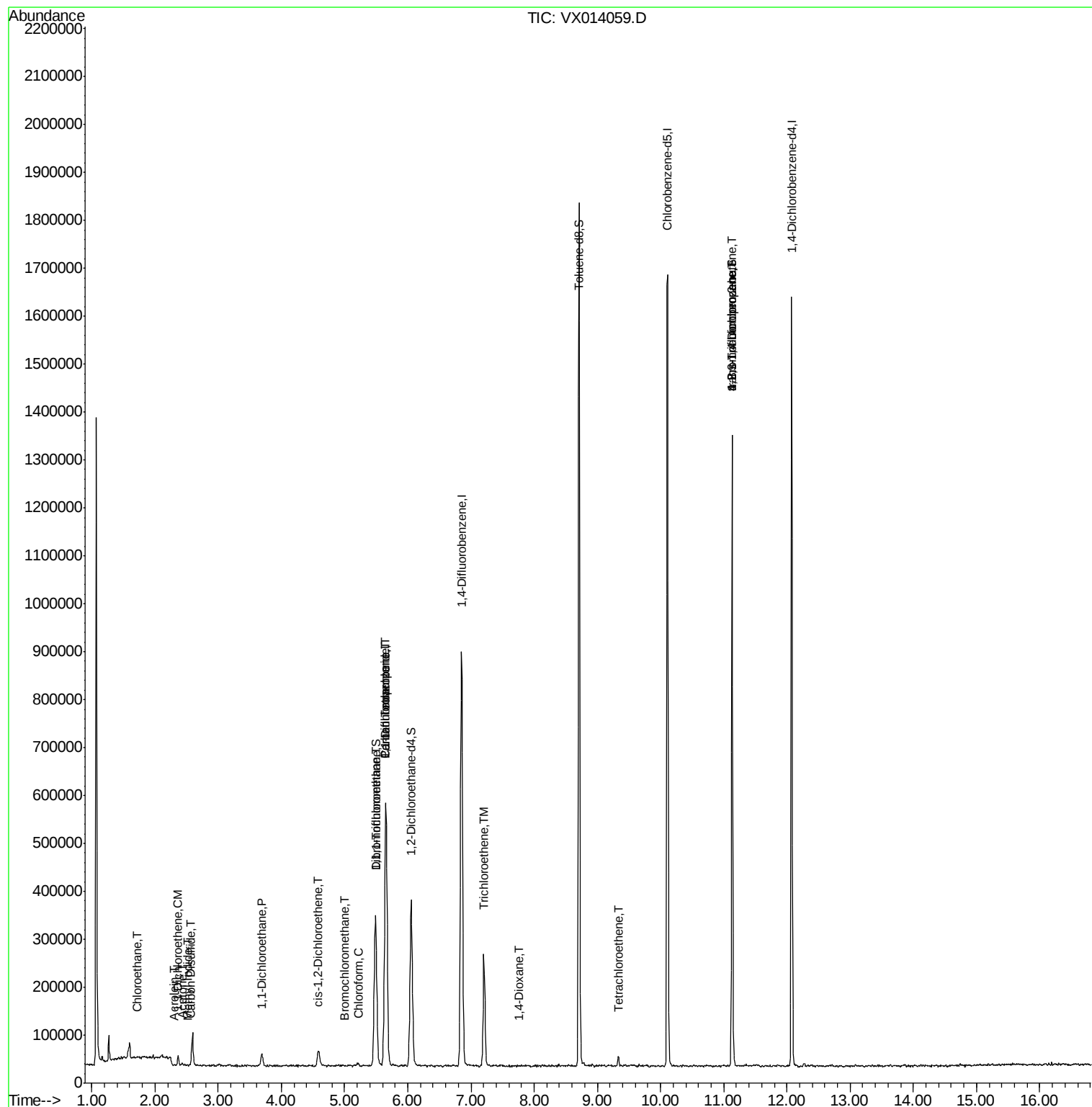
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	1053	0.234	ug/l #	45
10) Methyl Iodide	2.51	142	441	2.679	ug/l #	39
12) 1,1-Dichloroethene	2.36	96	6640	1.199	ug/l	93
13) Acrolein	2.30	56	817	1.013	ug/l #	14
16) Acetone	2.43	43	5921	1.398	ug/l	94
17) Carbon Disulfide	2.56	76	2473	0.909	ug/l #	61
24) 1,1-Dichloroethane	3.69	63	29032	2.649	ug/l #	90
27) cis-1,2-Dichloroethene	4.59	96	21739	3.151	ug/l	91
28) Bromochloromethane	4.99	49	285	0.521	ug/l #	7
30) Chloroform	5.21	83	5754	0.554	ug/l	89
32) 1,1,1-Trichloroethane	5.48	97	8081	0.913	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	39057	4.787	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49227	6.624	ug/l #	16
44) Trichloroethene	7.20	130	94984	13.699	ug/l	100
49) 1,4-Dioxane	7.75	88	503	3.386	ug/l #	19
64) Tetrachloroethene	9.33	164	4705	0.674	ug/l #	89
76) 1,2,3-Trichloropropane	11.13	75	164049	22.684	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	164049	64.027	ug/l #	11

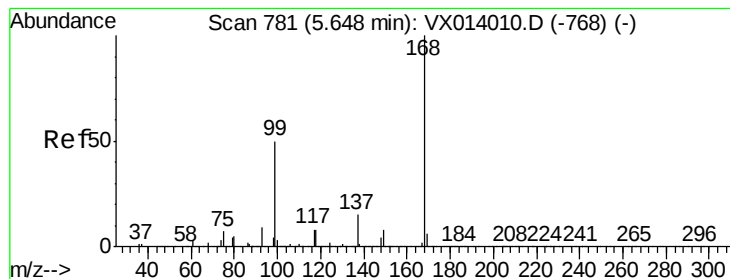
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121719\
Data File : VX014059.D
Acq On : 17 Dec 2019 18:09
Operator : JC/SP
Sample : K6251-17
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20191207

Quant Time: Dec 18 07:15:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

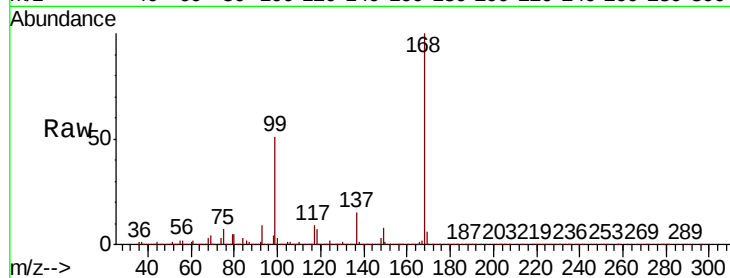
MW203D-20191207

Tot Ion:168 Resp: 575557

Ion Ratio Lower Upper

168 100

99 50.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

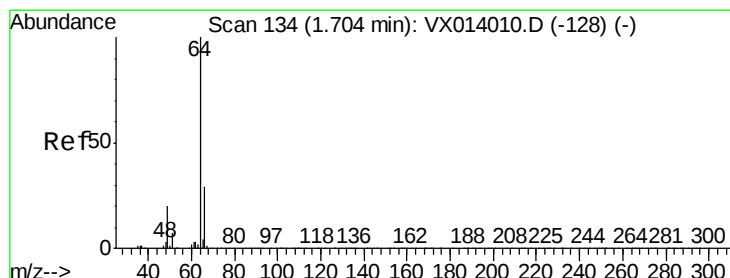
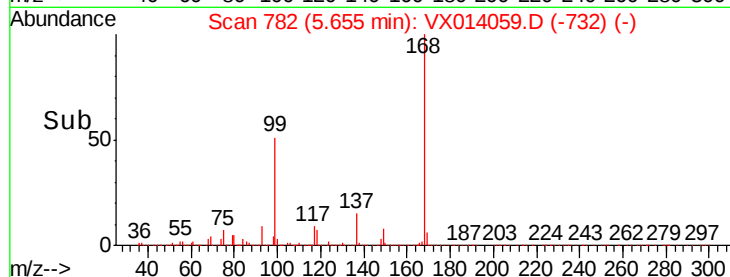
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.234 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX014059.D

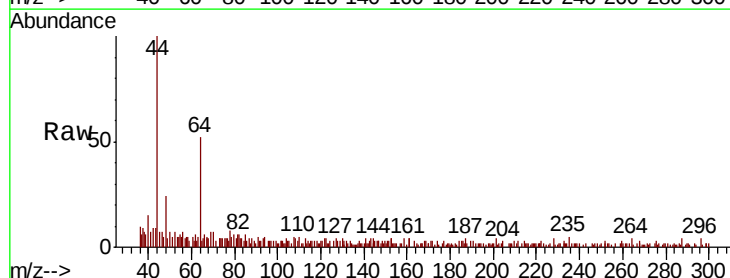
Acq: 17 Dec 2019 18:09

Tgt Ion: 64 Resp: 1053

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

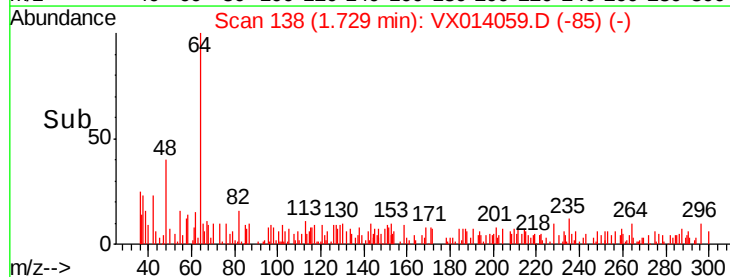
1500

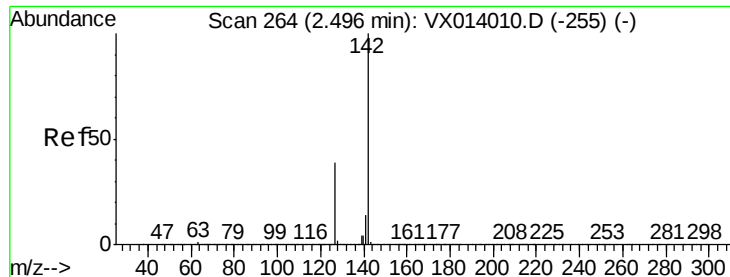
1000

500

0

Time-->

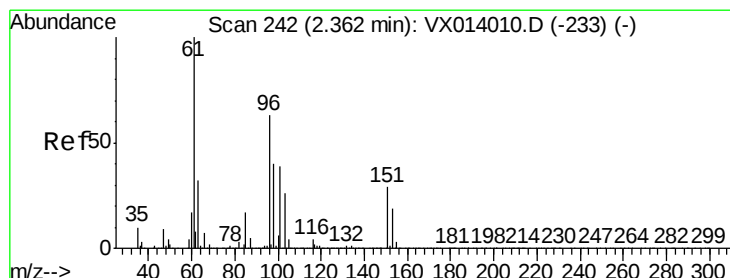
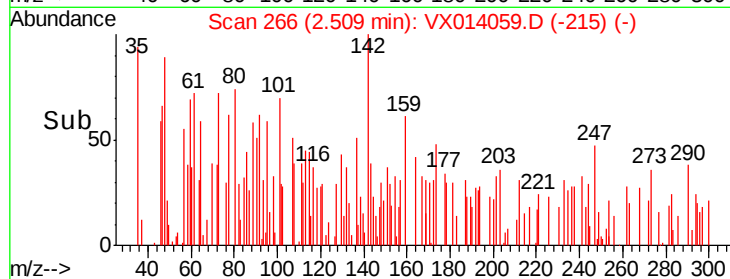
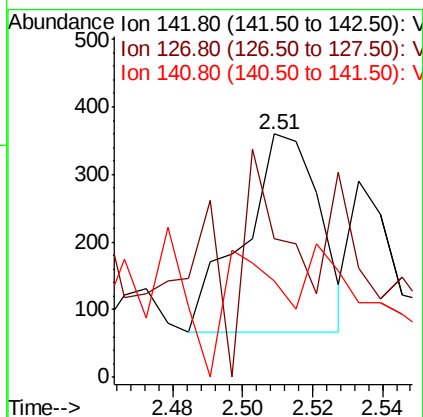
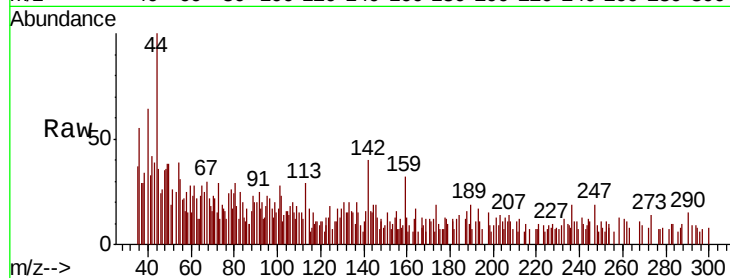




#10
Methvl Iodide
Concen: 2.679 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

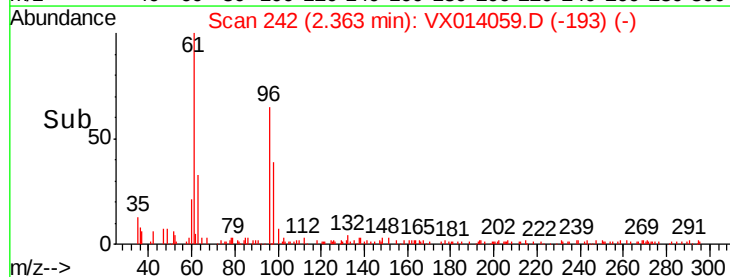
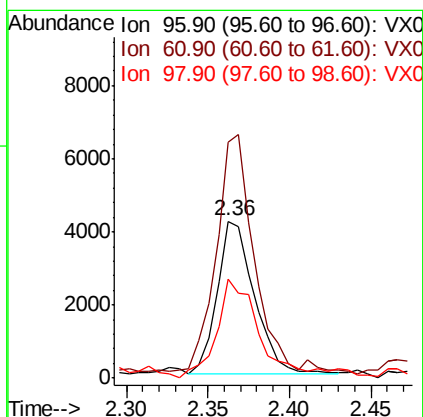
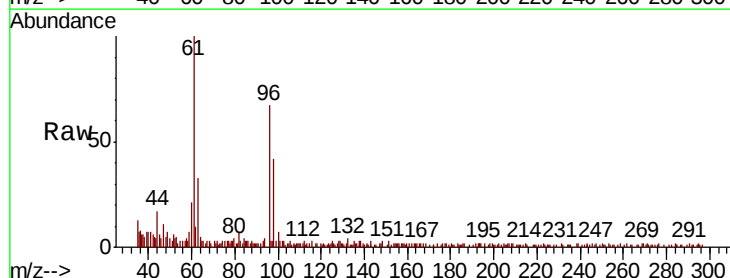
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20191207

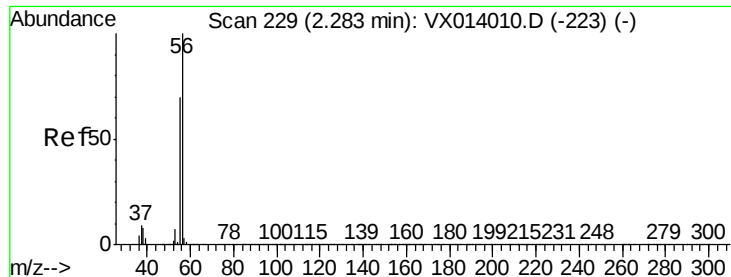
Tot Ion:142 Resp: 441
Ion Ratio Lower Upper
142 100
127 71.7 31.6 47.4#
141 49.7 11.6 17.4#



#12
1,1-Dichloroethene
Concen: 1.199 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Tgt Ion: 96 Resp: 6640
Ion Ratio Lower Upper
96 100
61 148.9 127.9 191.9
98 59.2 50.5 75.7





#13

Acrolein

Concen: 1.013 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

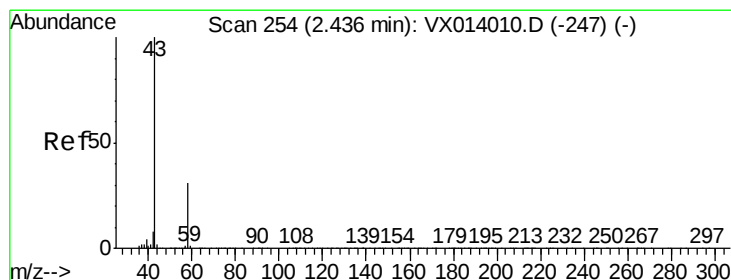
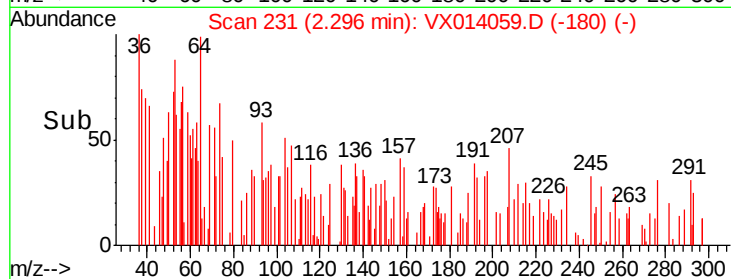
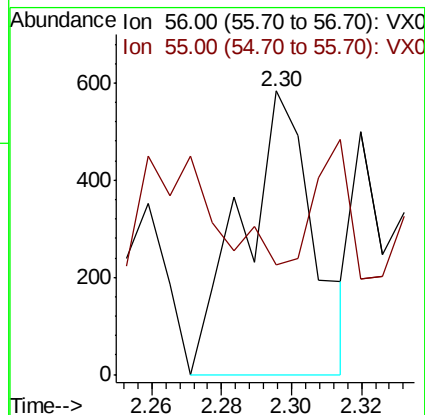
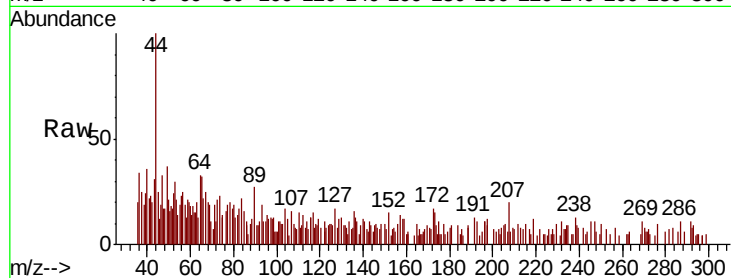
MW203D-20191207

Tot Ion: 56 Resp: 817

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 1.398 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014059.D

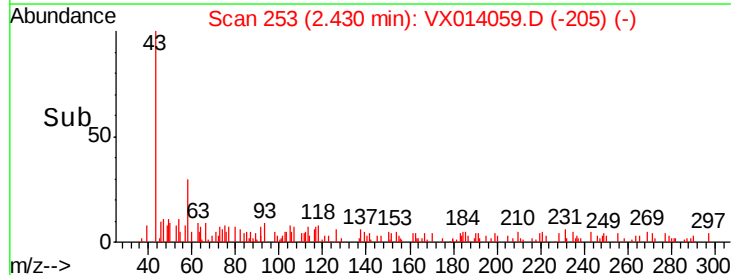
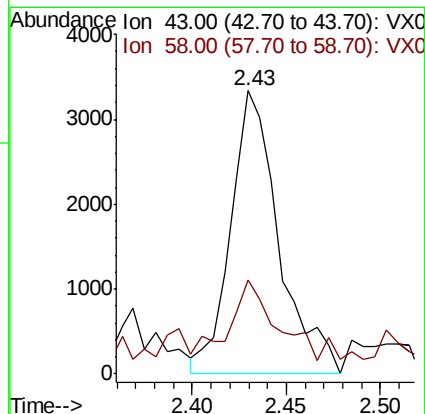
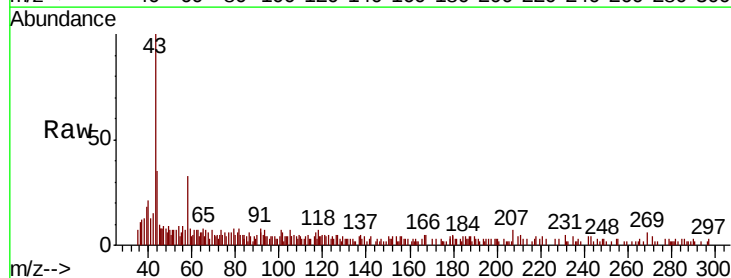
Acq: 17 Dec 2019 18:09

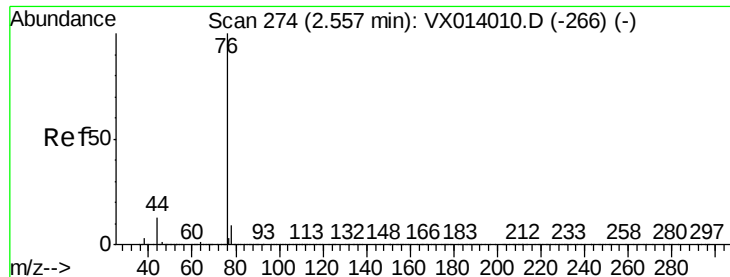
Tgt Ion: 43 Resp: 5921

Ion Ratio Lower Upper

43 100

58 28.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.909 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

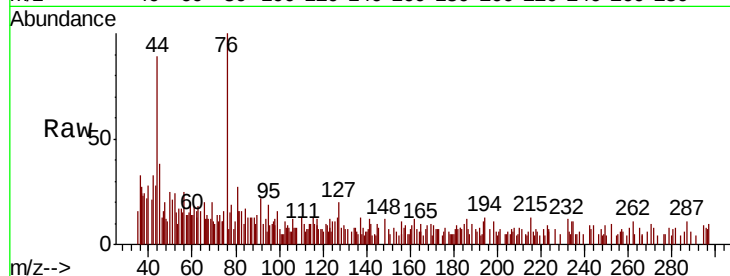
MW203D-20191207

Tot Ion: 76 Resp: 2473

Ion Ratio Lower Upper

76 100

78 23.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

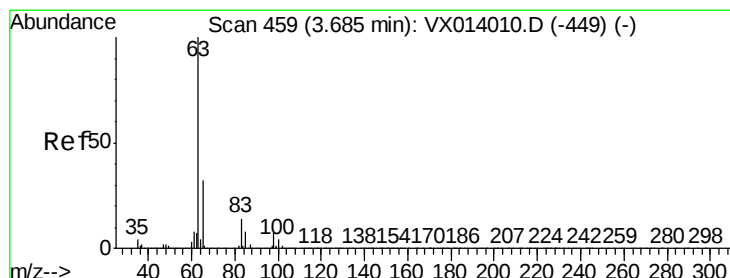
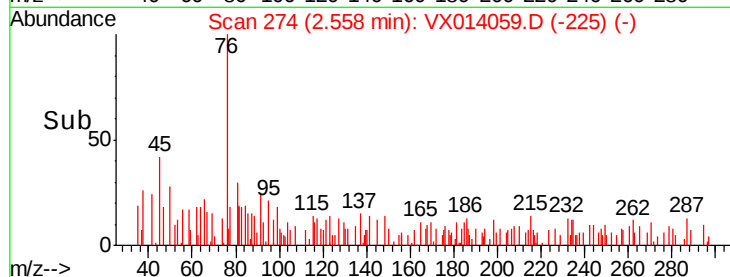
1500

1000

500

0

Time-->



#24

1,1-Dichloroethane

Concen: 2.649 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

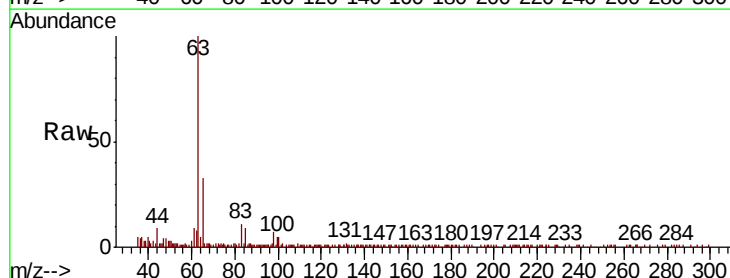
Tgt Ion: 63 Resp: 29032

Ion Ratio Lower Upper

63 100

98 5.2 3.6 10.8

100 10.0 2.3 6.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

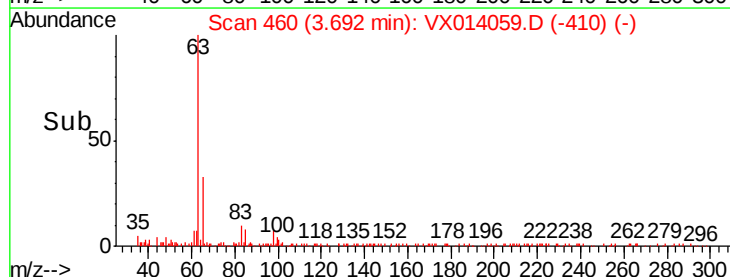
15000

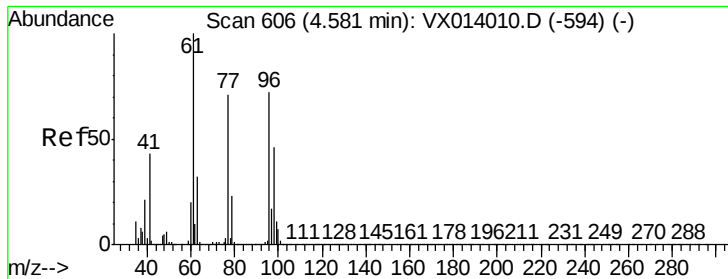
10000

5000

0

Time-->



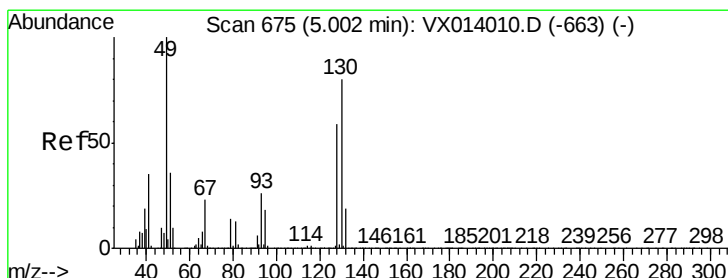
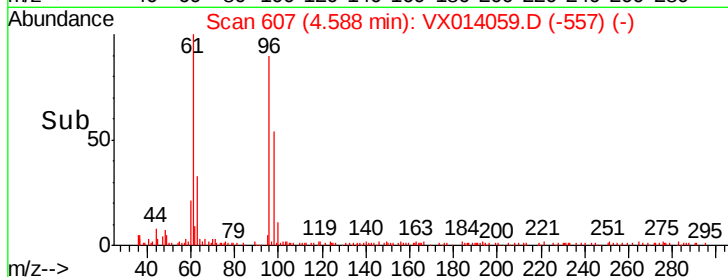
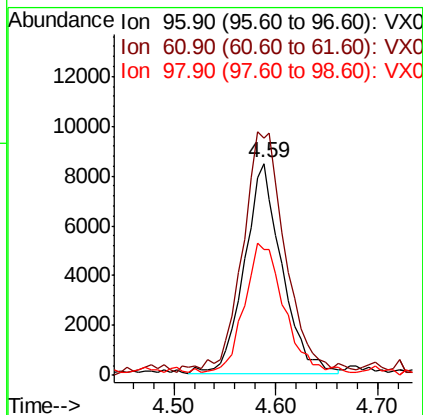
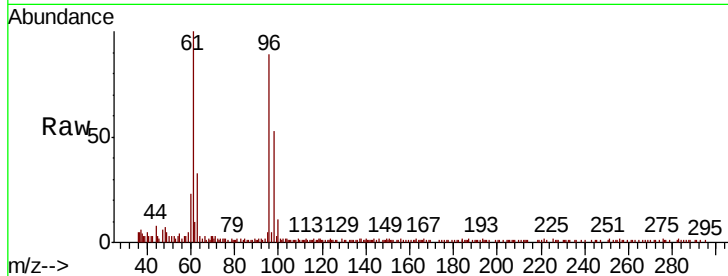


#27

cis-1,2-Dichloroethene
Concen: 3.151 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20191207

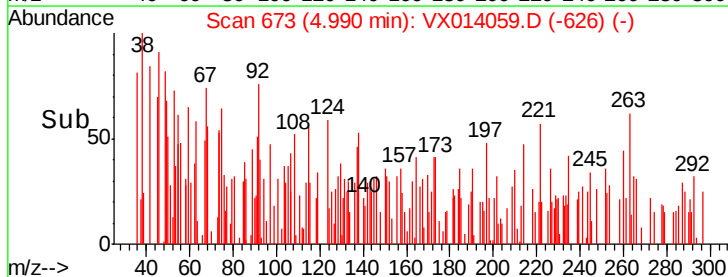
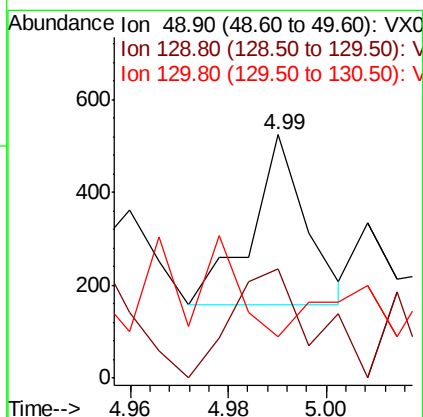
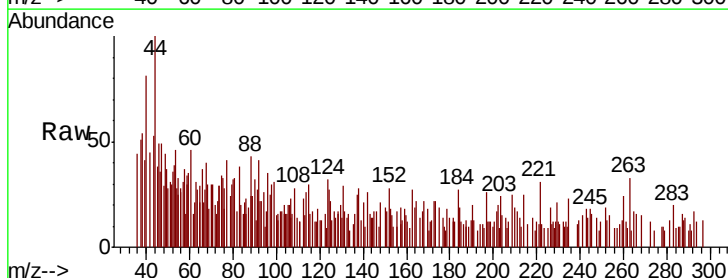
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	0.0	288.4
98	64.8	0.0	129.6

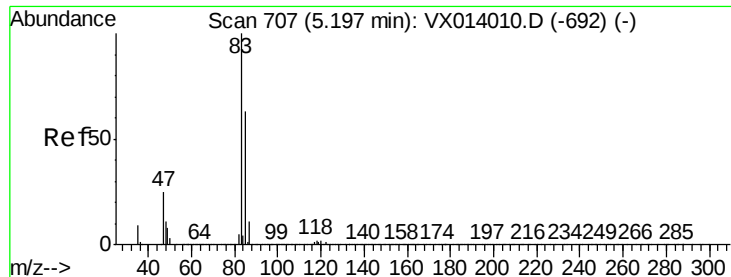


#28

Bromochloromethane
Concen: 0.521 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	94.4	0.0	5.0#
130	158.2	64.6	97.0#





#30

Chloroform

Concen: 0.554 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

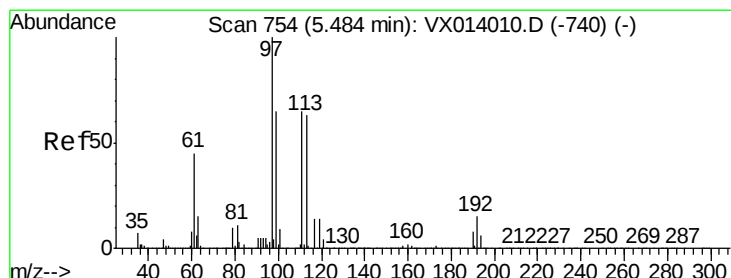
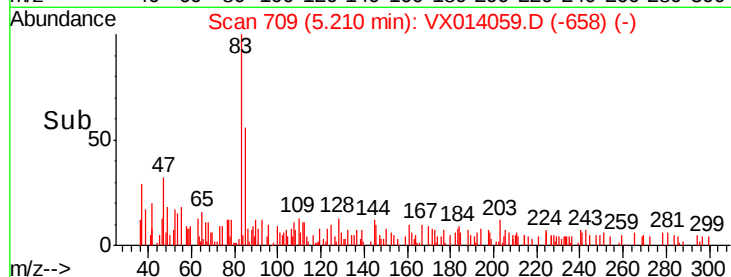
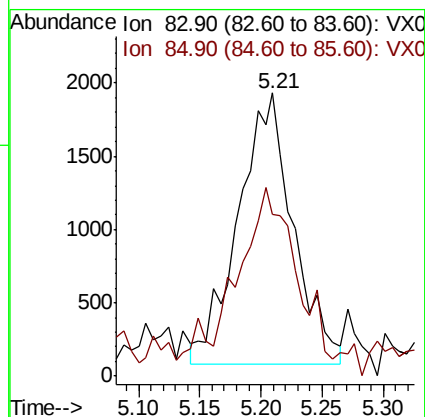
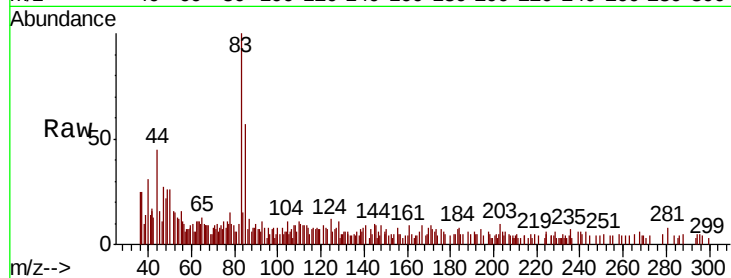
MW203D-20191207

Tot Ion: 83 Resp: 5754

Ion Ratio Lower Upper

83 100

85 54.6 50.8 76.2



#32

1,1,1-Trichloroethane

Concen: 0.913 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

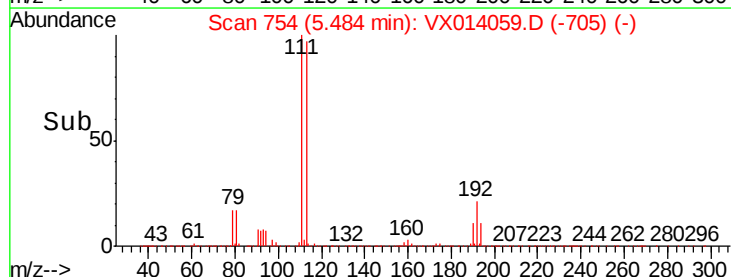
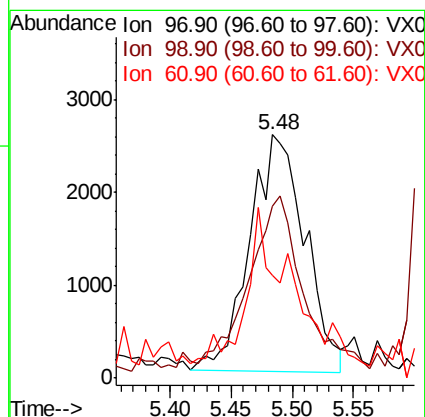
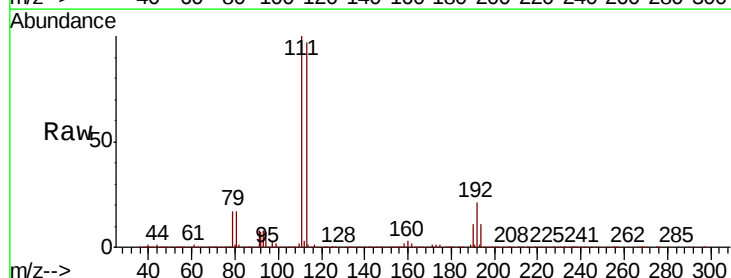
Tgt Ion: 97 Resp: 8081

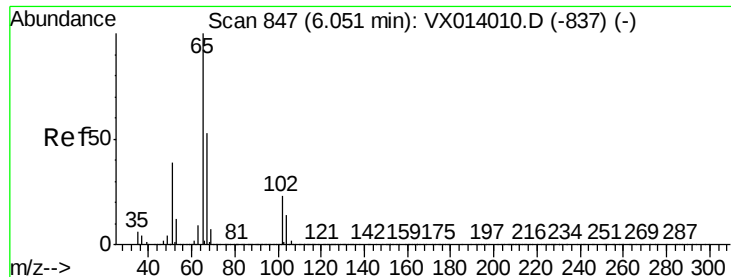
Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 37.6 36.7 55.1





#33

1,2-Dichloroethane-d4

Concen: 49.278 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

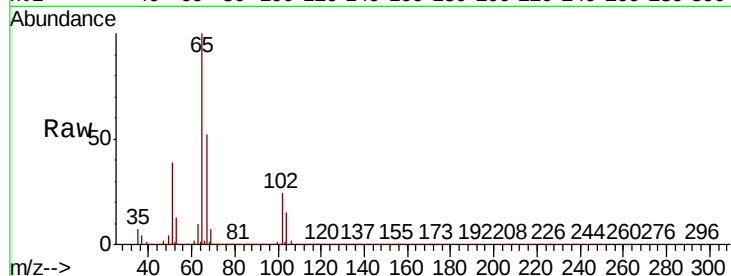
MW203D-20191207

Tot Ion: 65 Resp: 321450

Ion Ratio Lower Upper

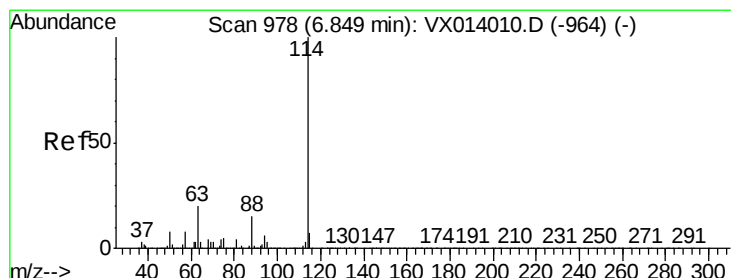
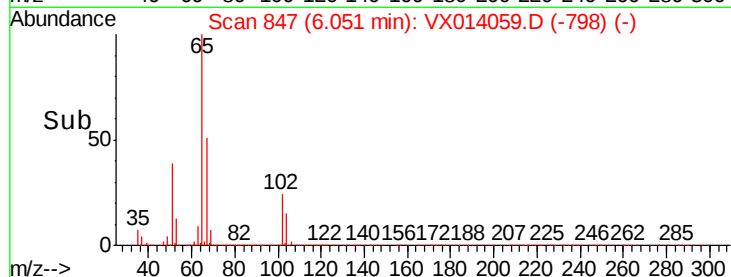
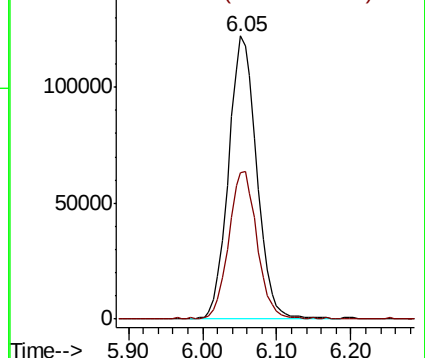
65 100

67 52.6 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

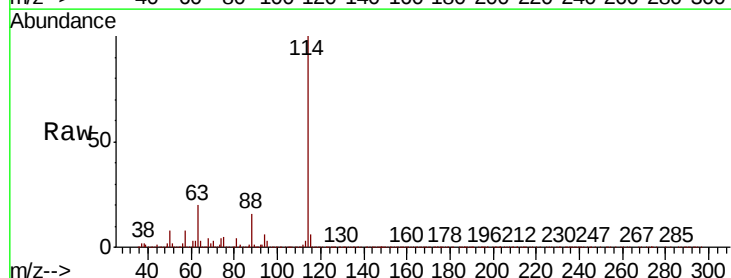
Tgt Ion: 114 Resp: 889134

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

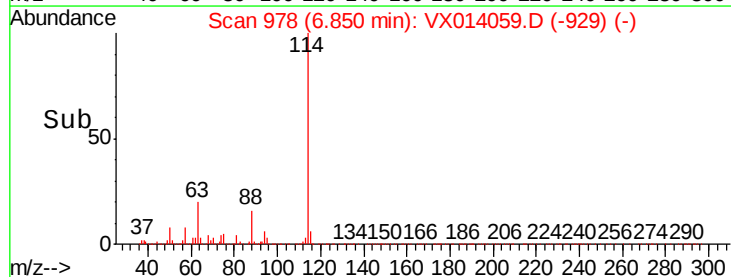
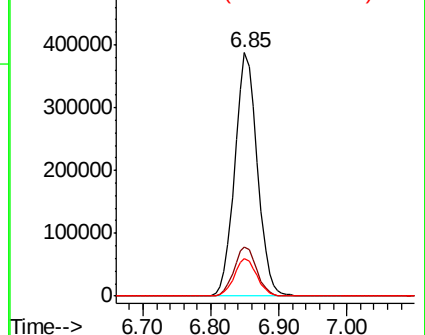
88 15.6 0.0 30.4

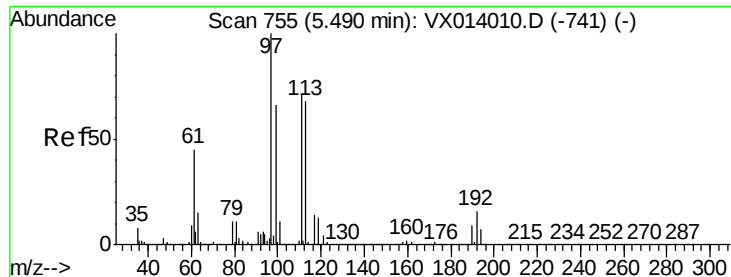


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

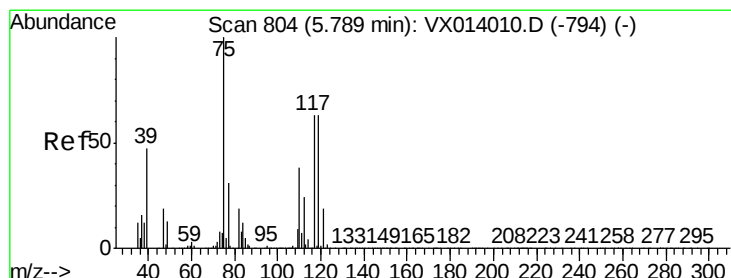
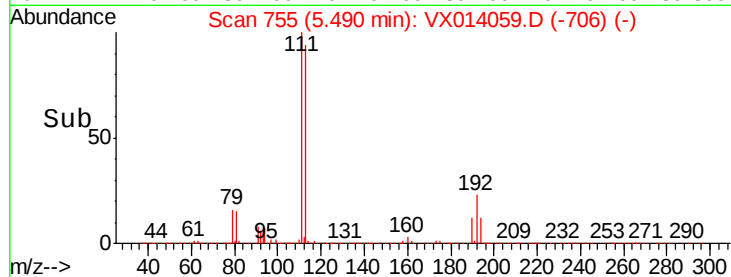
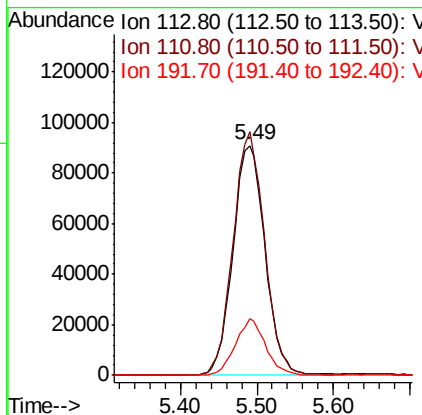
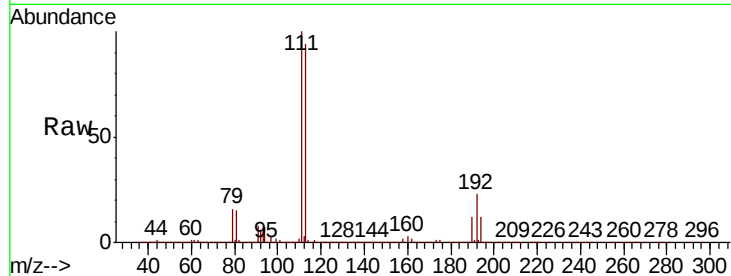




#35
 Dibromofluoromethane
 Concen: 48.846 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014059.D
 Acq: 17 Dec 2019 18:09

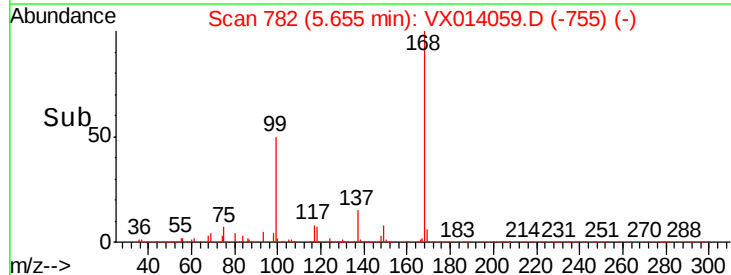
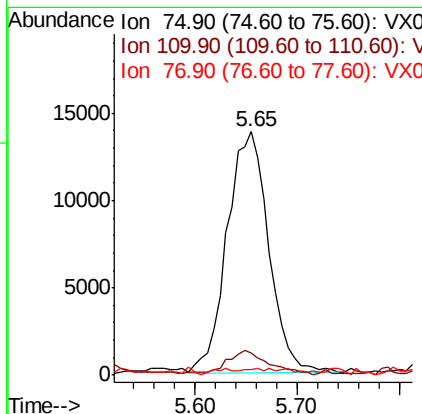
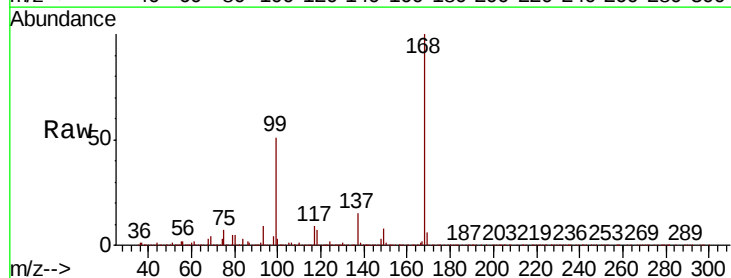
Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20191207

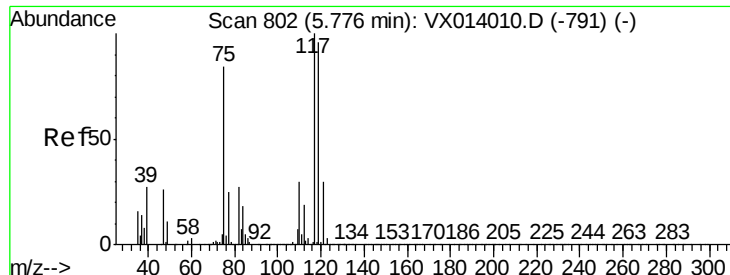
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.0	123.0
192	23.5	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014059.D
 Acq: 17 Dec 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.9#
77	0.4	24.8	37.2#

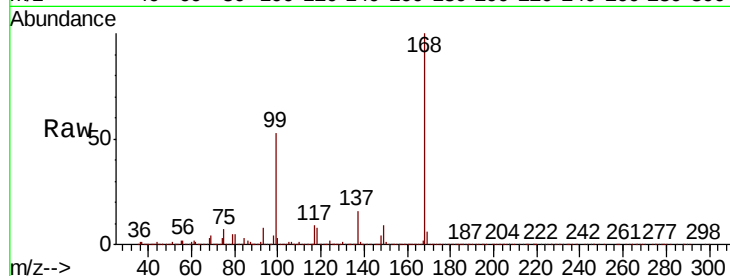




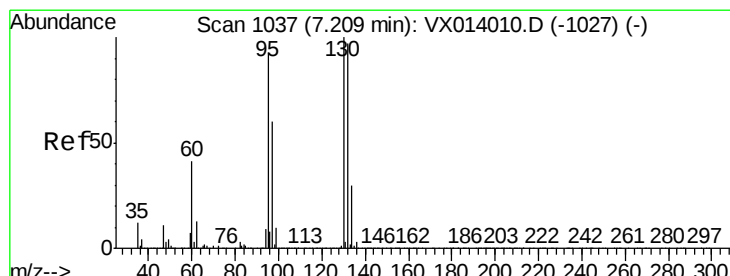
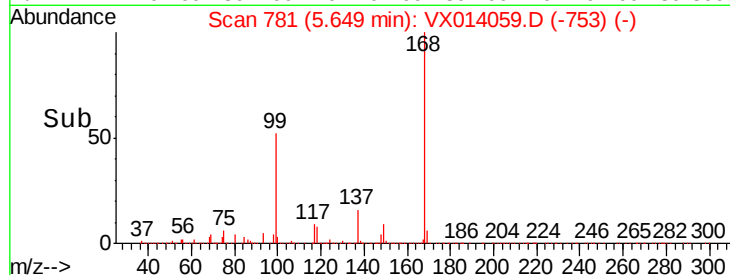
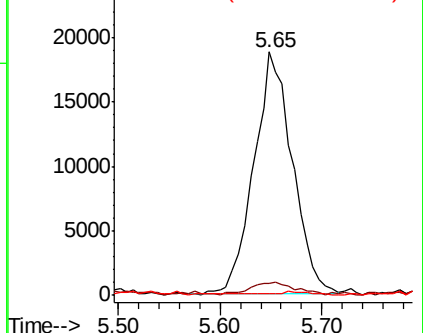
#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20191207

Tot Ion:117 Resp: 49227
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.4#
121 0.3 23.6 35.4#

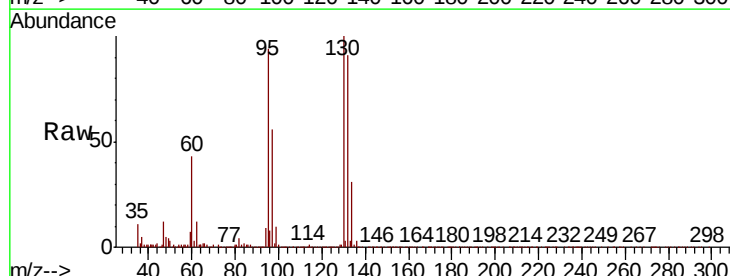


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

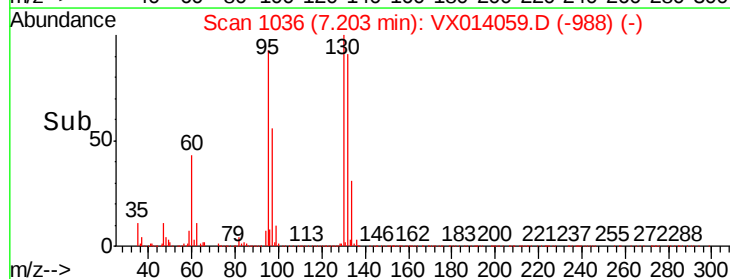
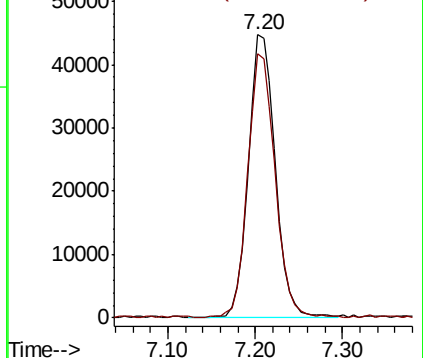


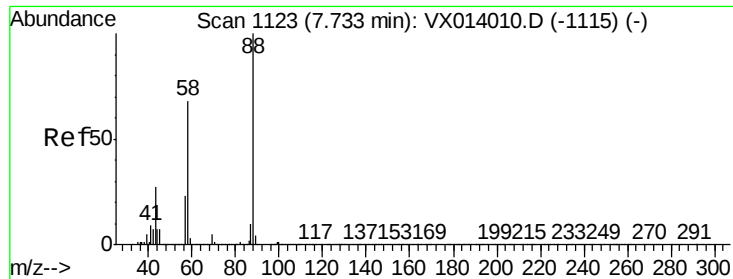
#44
Trichloroethene
Concen: 13.699 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Tgt Ion:130 Resp: 94984
Ion Ratio Lower Upper
130 100
95 93.1 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 3.386 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

MW203D-20191207

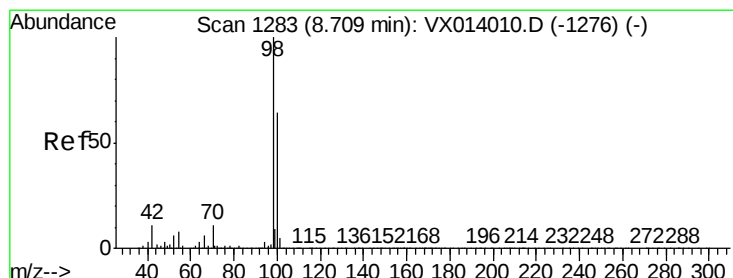
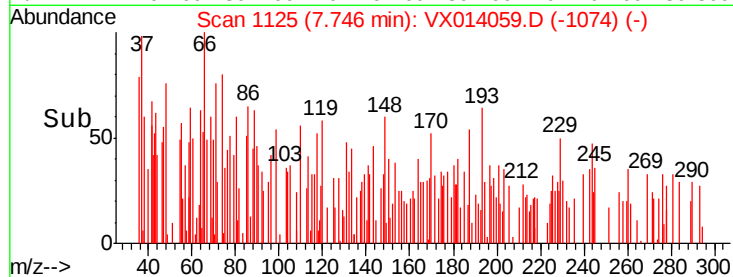
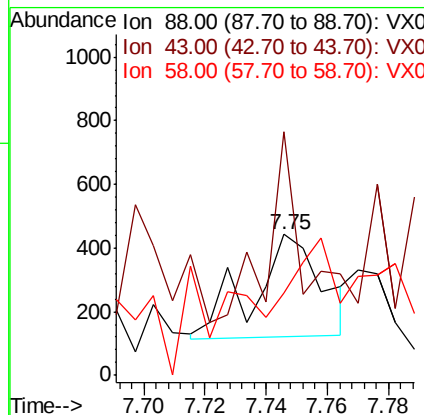
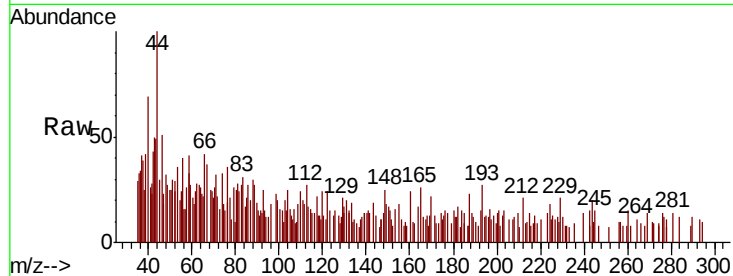
Tot Ion: 88 Resp: 503

Ion Ratio Lower Upper

88 100

43 129.4 26.5 39.7#

58 38.8 56.8 85.2#



#50

Toluene-d8

Concen: 49.491 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014059.D

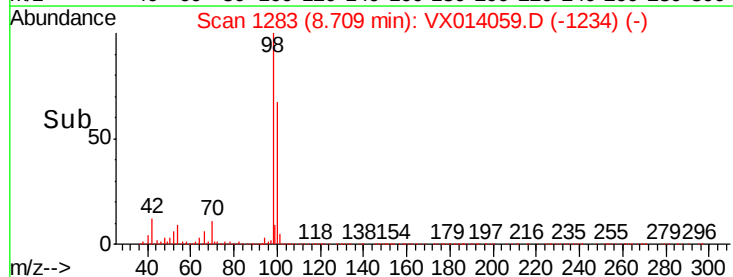
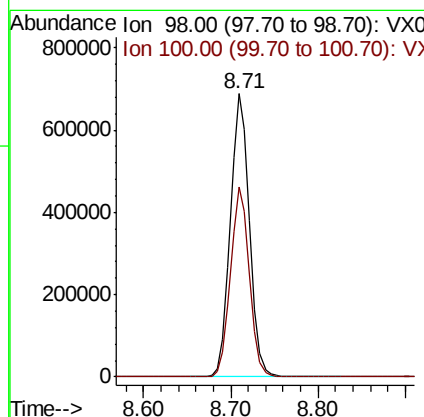
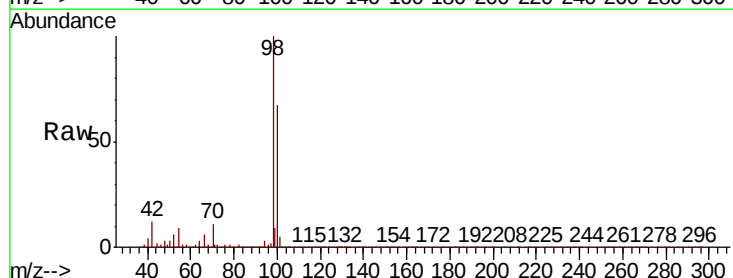
Acq: 17 Dec 2019 18:09

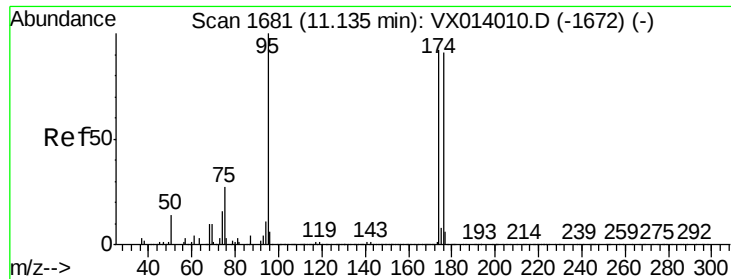
Tgt Ion: 98 Resp: 1041420

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3

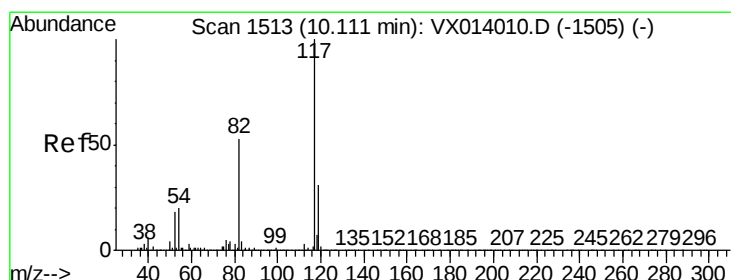
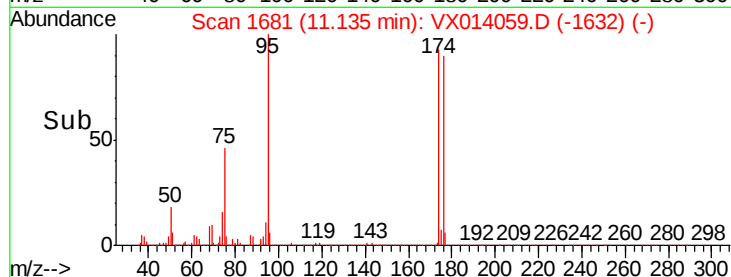
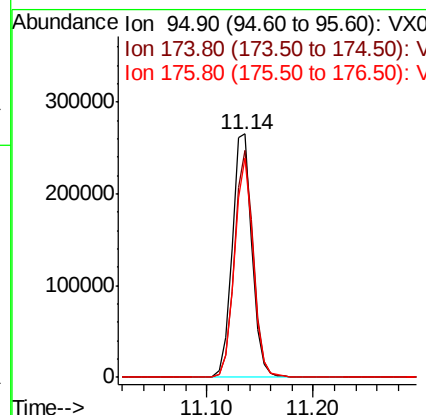
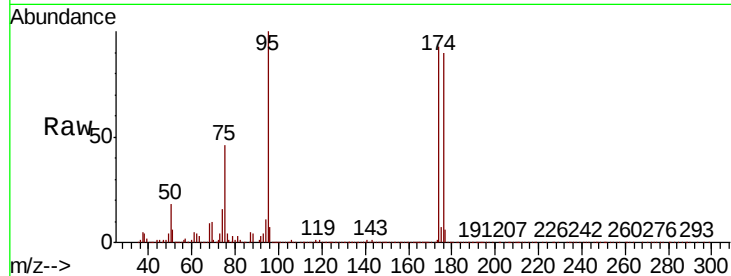




#62
4-Bromofluorobenzene
Concen: 45.125 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

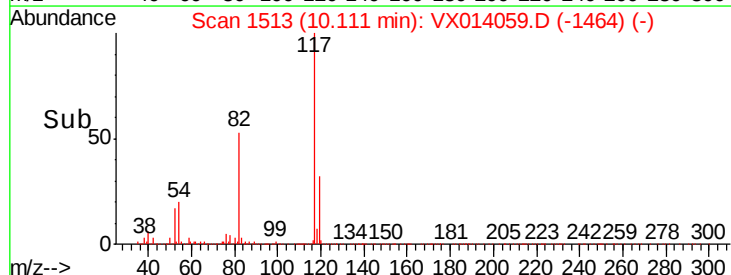
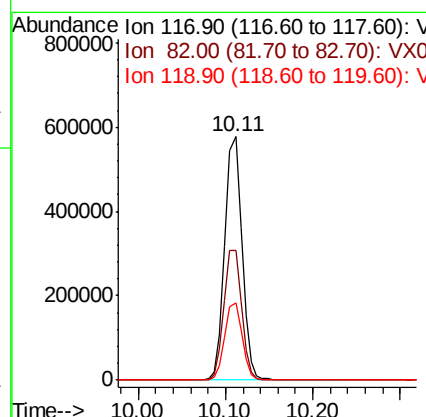
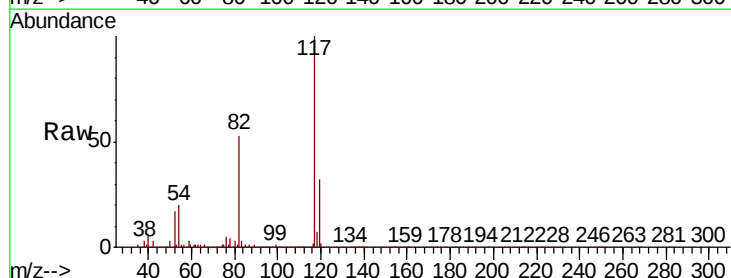
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20191207

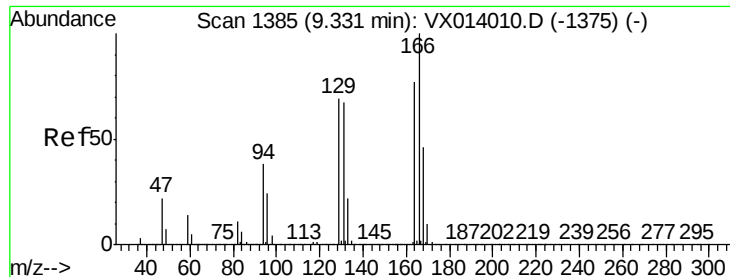
Tot Ion: 95 Resp: 347104
Ion Ratio Lower Upper
95 100
174 88.7 0.0 175.8
176 85.5 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014059.D
Acq: 17 Dec 2019 18:09

Tgt Ion: 117 Resp: 788793
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 31.6 25.1 37.7





#64

Tetrachloroethene

Concen: 0.674 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

MW203D-20191207

Tot Ion:164 Resp: 4705

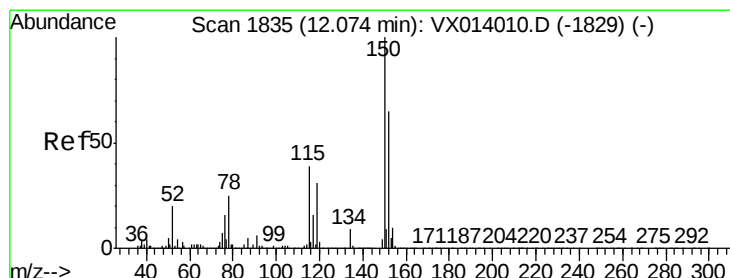
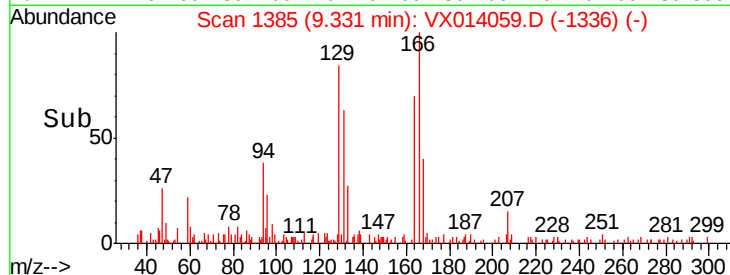
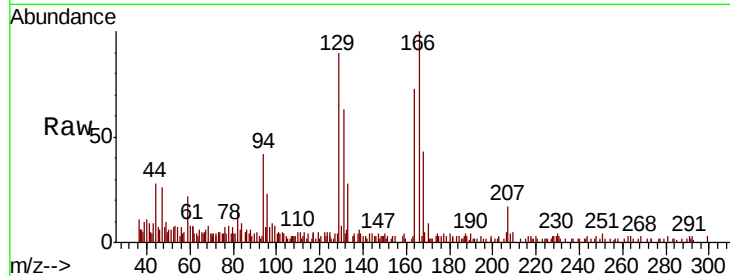
Ion Ratio Lower Upper

164 100

166 130.3 104.0 156.0

129 119.6 72.2 108.4#

131 80.9 69.6 104.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

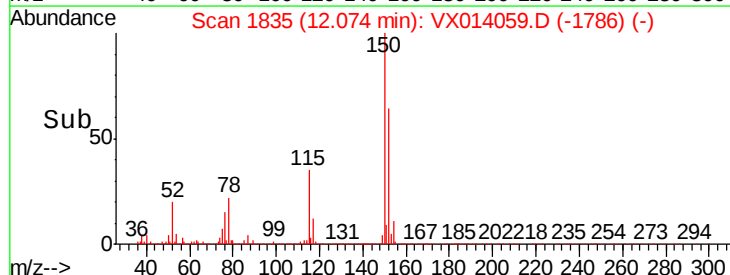
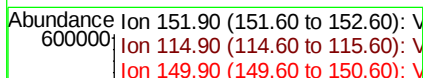
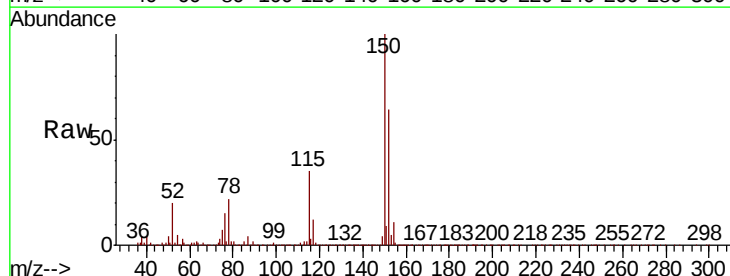
Tgt Ion:152 Resp: 333114

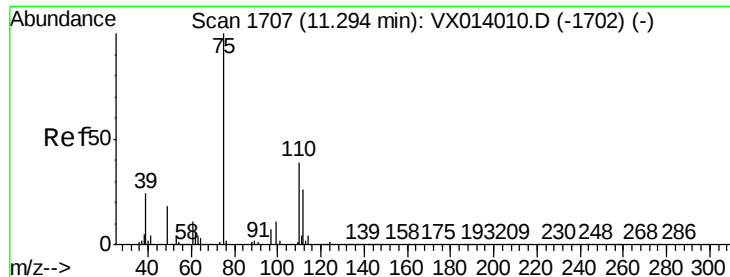
Ion Ratio Lower Upper

152 100

115 55.4 38.3 114.9

150 155.2 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.684 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Instrument :

MSVOA_X

ClientSampleId :

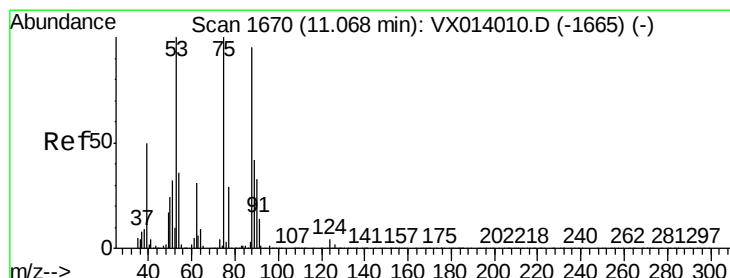
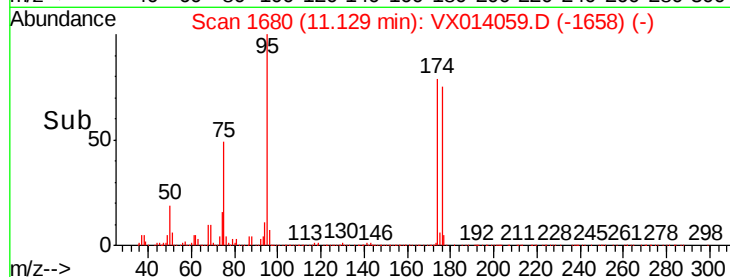
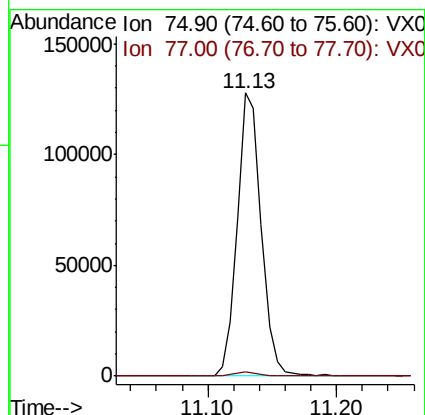
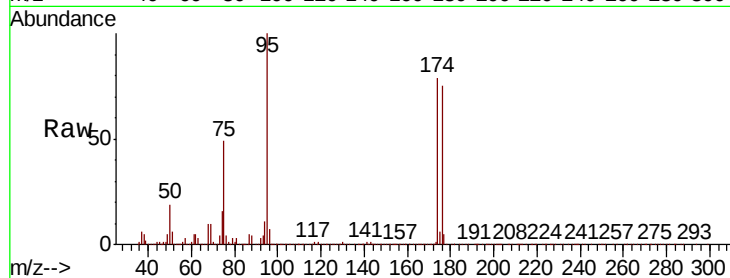
MW203D-20191207

Tot Ion: 75 Resp: 164049

Ion Ratio Lower Upper

75 100

77 1.8 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.027 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014059.D

Acq: 17 Dec 2019 18:09

Tgt Ion: 75 Resp: 164049

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#

