

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018577.D
 Acq On : 24 Sep 2020 17:02
 Operator : JC/SP
 Sample : L4118-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20200919

Quant Time: Sep 25 02:20:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	429483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	689520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	681540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	340000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	312034	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	5.46	113	242790	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	8.70	98	867247	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.12	95	318135	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

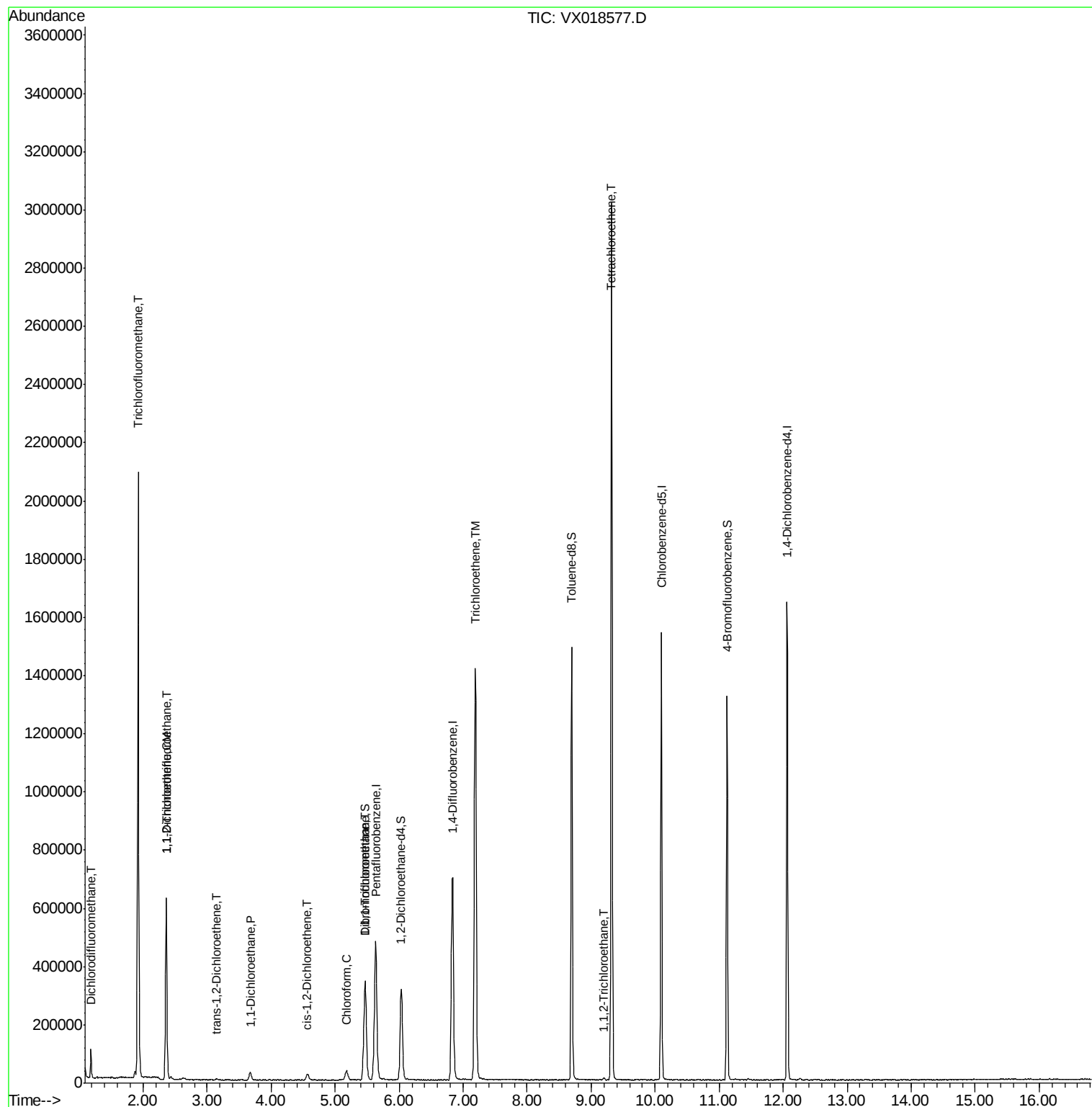
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	48635	11.944	ug/l	99
7) Trichlorofluoromethane	1.92	101	1302275	169.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14465	3.505	ug/l	97
12) 1,1-Dichloroethene	2.36	96	191834	46.122	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	1729	0.358	ug/l #	70
24) 1,1-Dichloroethane	3.67	63	33457	3.829	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	13718	2.532	ug/l	78
30) Chloroform	5.18	83	38126	4.301	ug/l	91
32) 1,1,1-Trichloroethane	5.47	97	57912	6.963	ug/l	98
44) Trichloroethene	7.19	130	551562	99.340	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	2237	0.447	ug/l #	85
64) Tetrachloroethene	9.32	164	549584	102.426	ug/l	98

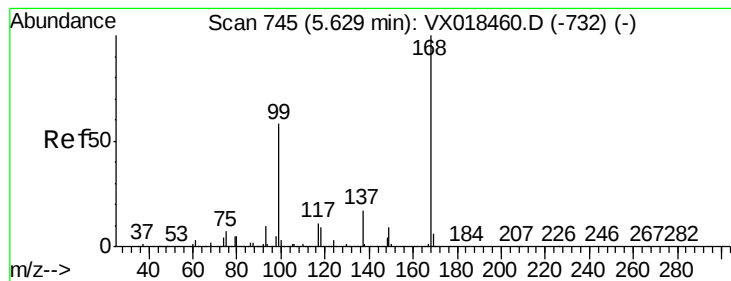
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

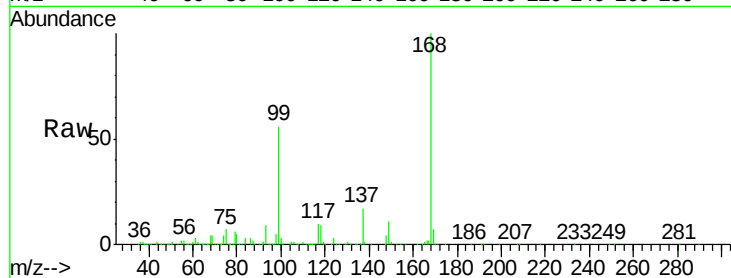
MW201D-20200919

Tot Ion:168 Resp: 429483

Ion Ratio Lower Upper

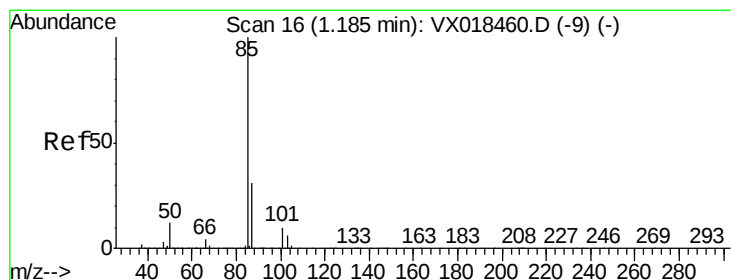
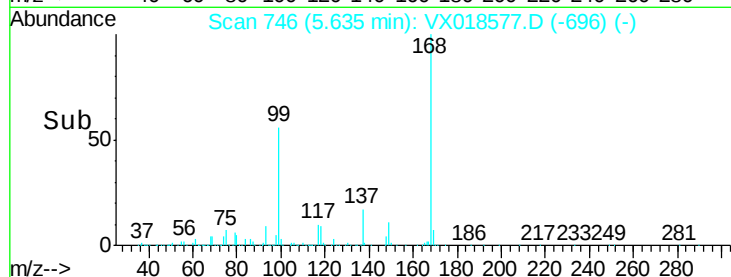
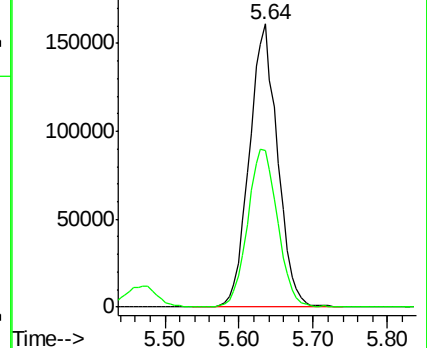
168 100

99 55.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 11.944 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018577.D

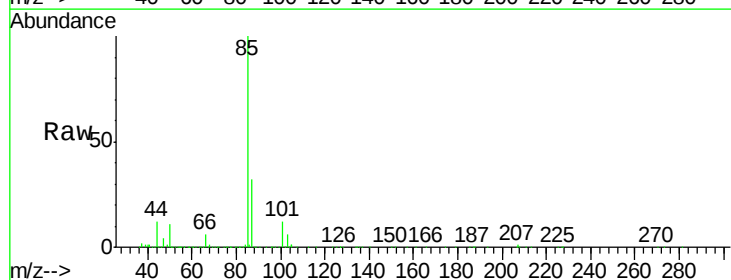
Acq: 24 Sep 2020 17:02

Tgt Ion: 85 Resp: 48635

Ion Ratio Lower Upper

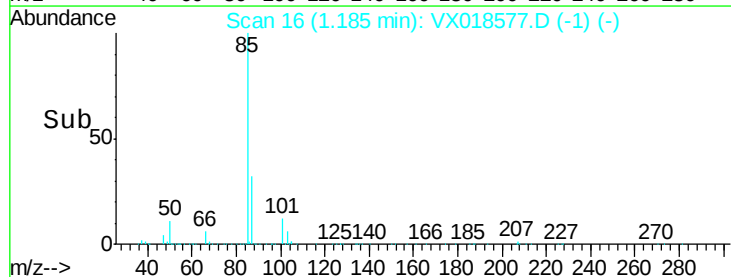
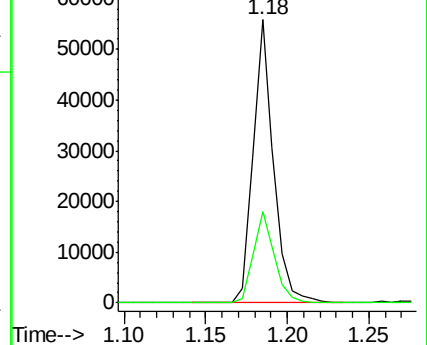
85 100

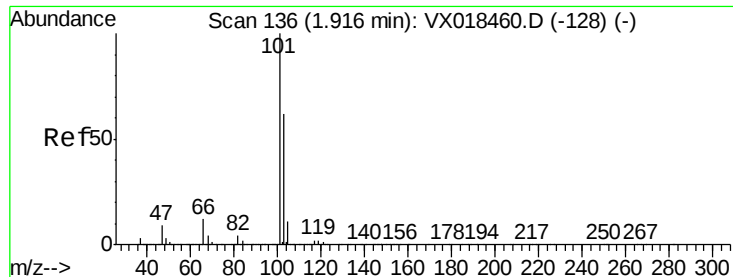
87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



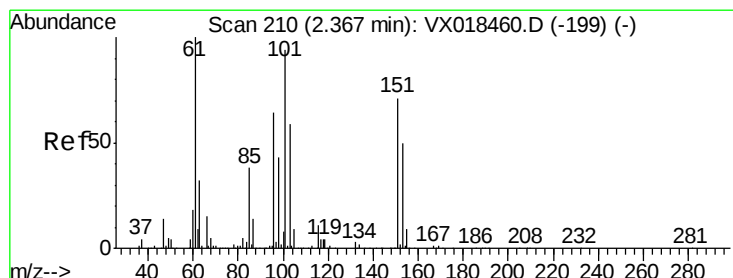
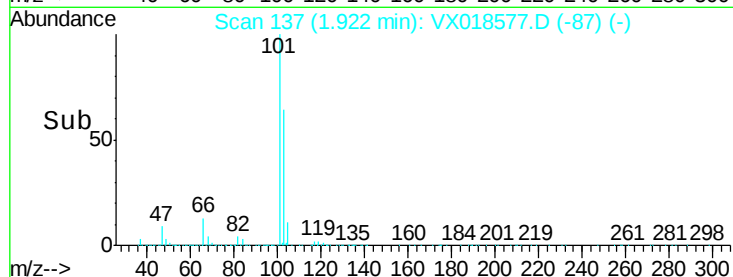
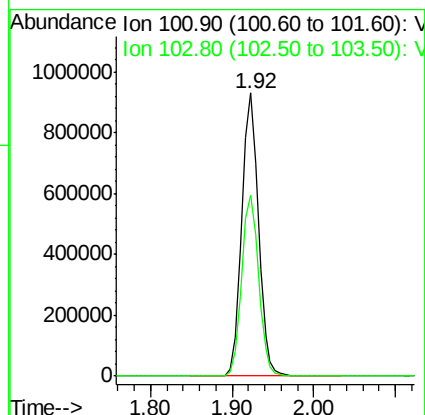
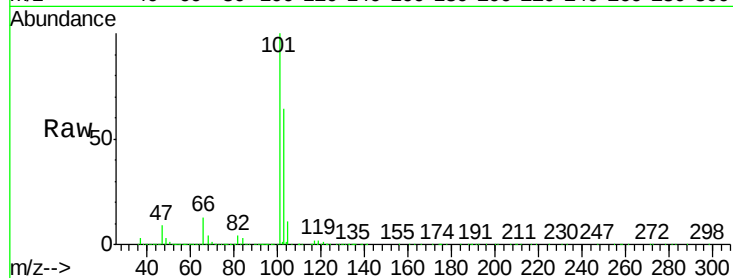


#7

Trichlorofluoromethane
Concen: 169.860 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018577.D
Acq: 24 Sep 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20200919

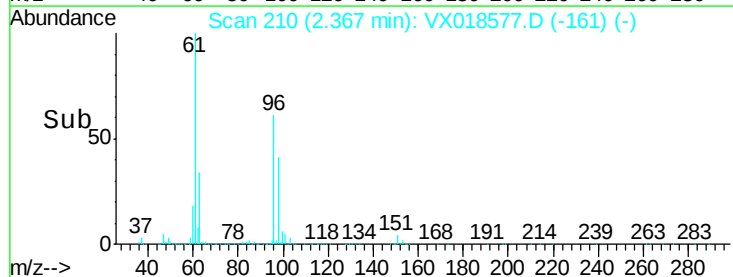
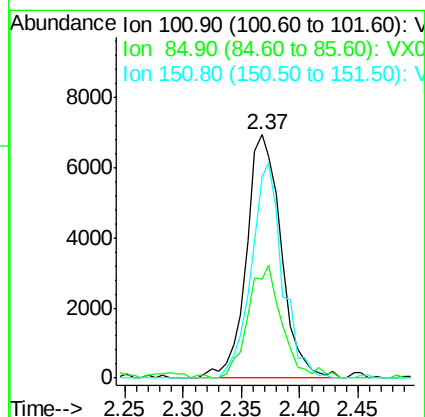
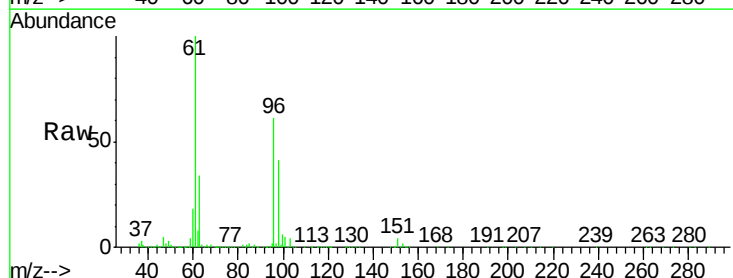
Tot Ion:101 Resp: 1302275
Ion Ratio Lower Upper
101 100
103 63.8 49.6 74.4

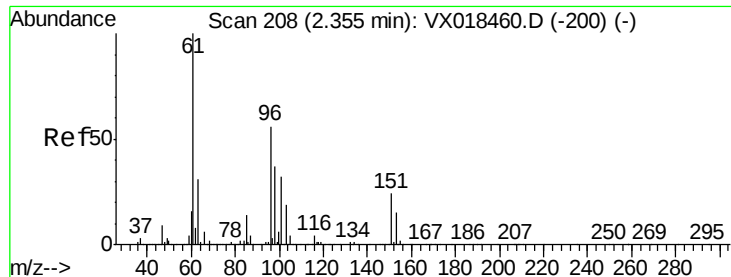


#9

1,1,2-Trichlorotrifluoroethane
Concen: 3.505 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX018577.D
Acq: 24 Sep 2020 17:02

Tgt Ion:101 Resp: 14465
Ion Ratio Lower Upper
101 100
85 45.2 34.7 52.1
151 78.9 64.9 97.3





#12

1,1-Dichloroethene

Concen: 46.122 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20200919

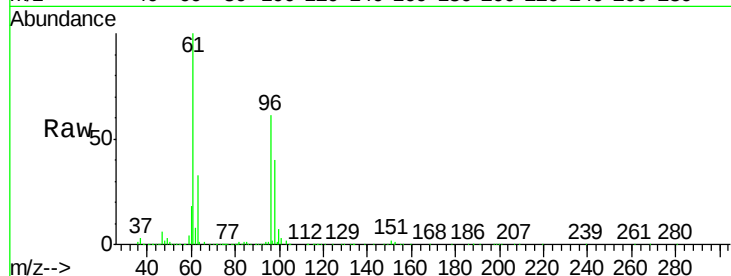
Tot Ion: 96 Resp: 191834

Ion Ratio Lower Upper

96 100

61 162.9 142.2 213.4

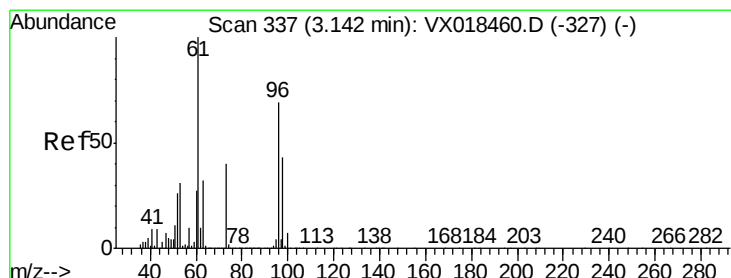
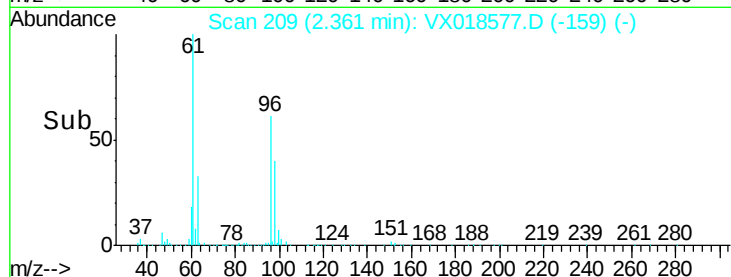
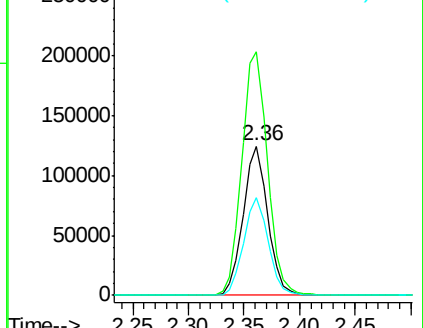
98 65.8 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.358 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

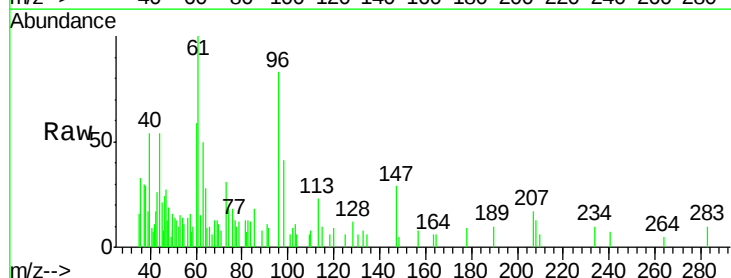
Tgt Ion: 96 Resp: 1729

Ion Ratio Lower Upper

96 100

61 99.7 115.6 173.4#

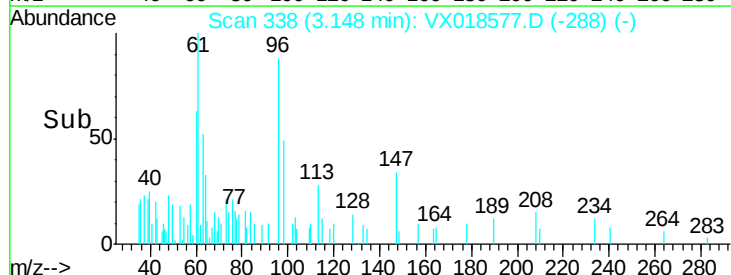
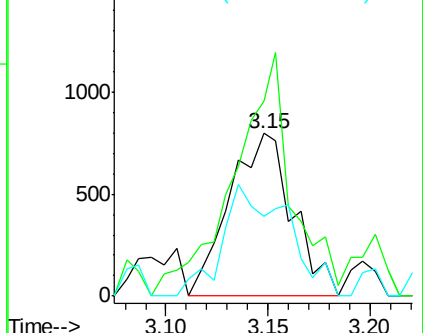
98 49.2 50.2 75.4#

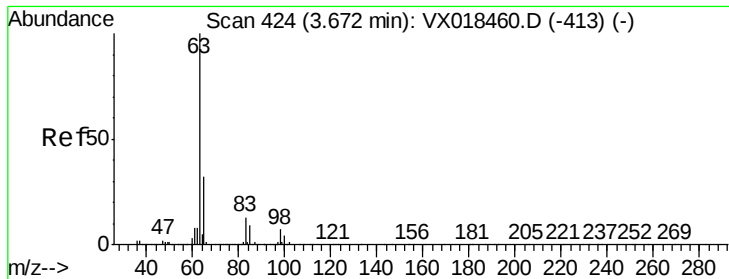


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 3.829 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

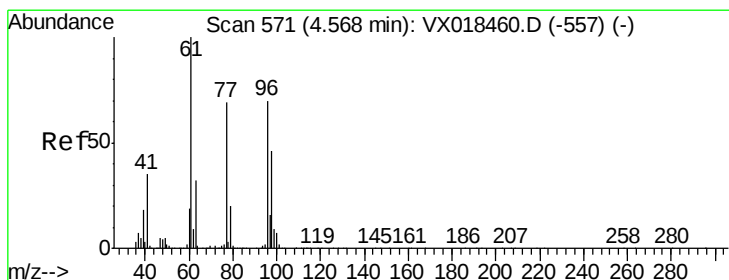
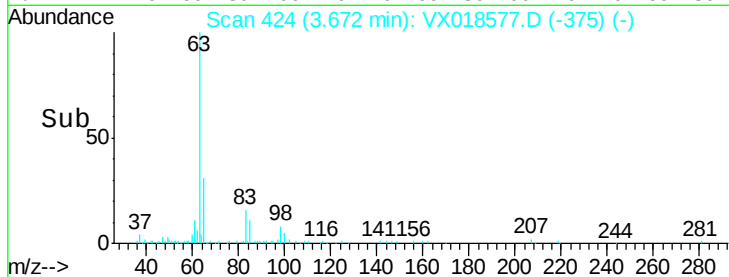
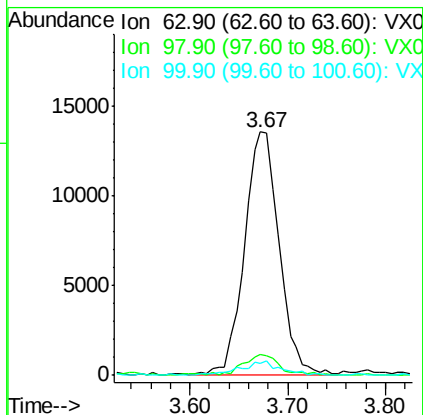
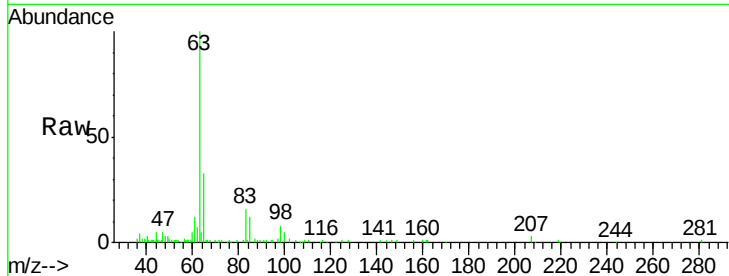
Instrument :

MSVOA_X

ClientSampleId :

MW201D-20200919

Tot Ion:	63	Resp:	33457
Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.5	10.6
100	4.8	1.9	5.7



#27

cis-1,2-Dichloroethene

Concen: 2.532 ug/l

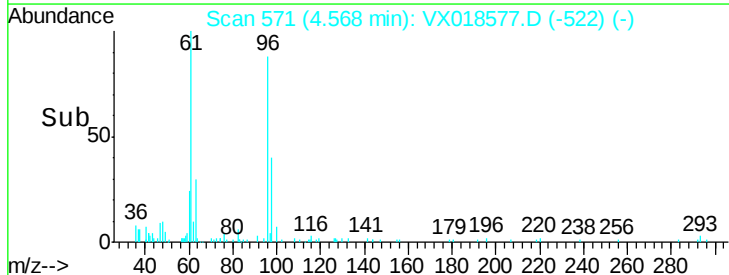
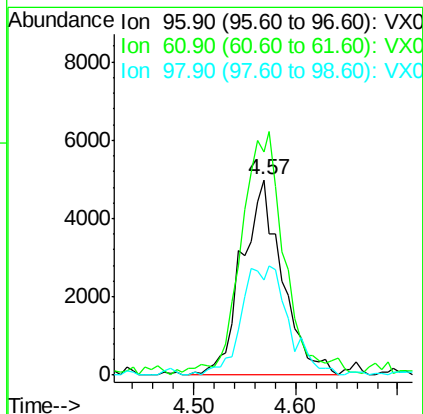
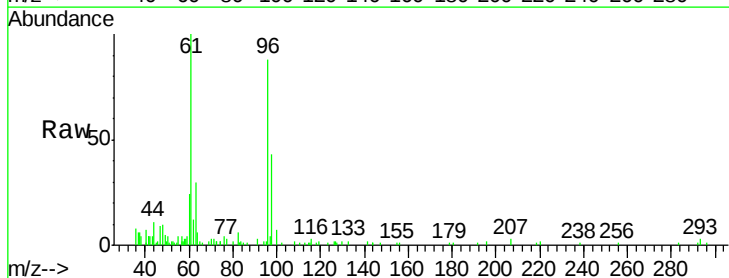
RT: 4.57 min Scan# 571

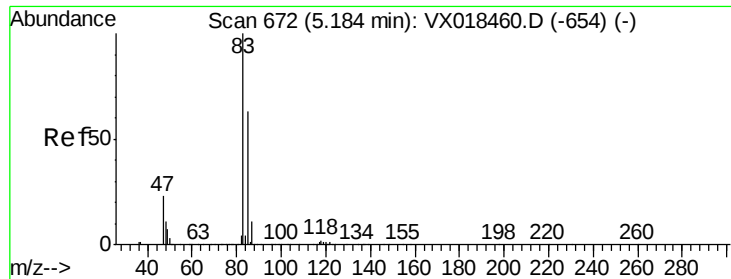
Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Tgt Ion:	96	Resp:	13718
Ion	Ratio	Lower	Upper
96	100		
61	131.4	0.0	300.0
98	33.4	0.0	130.4





#30

Chloroform

Concen: 4.301 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

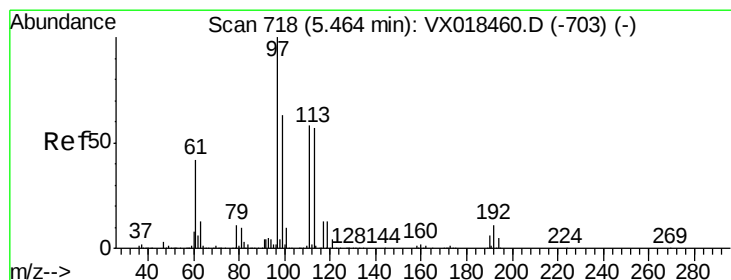
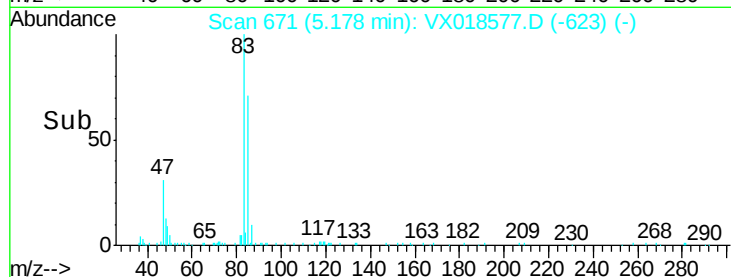
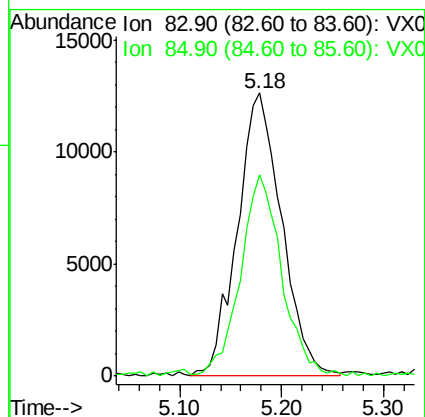
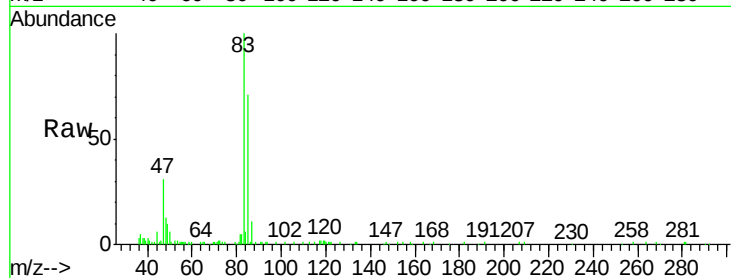
MW201D-20200919

Tot Ion: 83 Resp: 38126

Ion Ratio Lower Upper

83 100

85 70.6 50.6 76.0



#32

1,1,1-Trichloroethane

Concen: 6.963 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

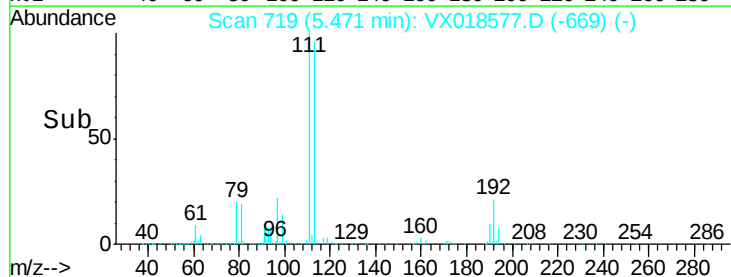
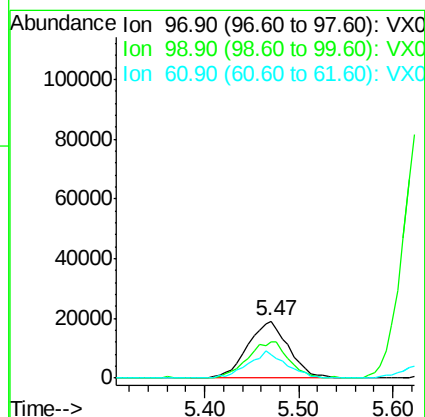
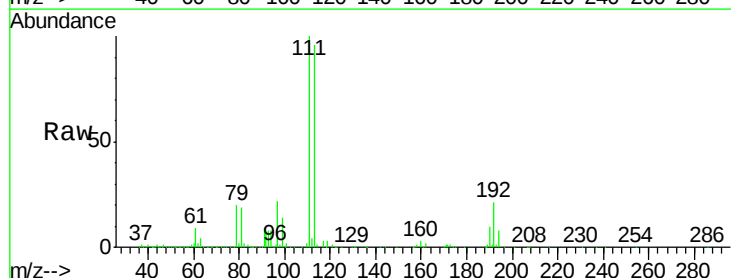
Tgt Ion: 97 Resp: 57912

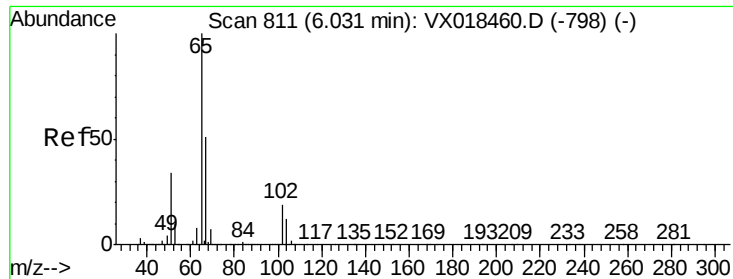
Ion Ratio Lower Upper

97 100

99 63.7 50.5 75.7

61 43.9 33.4 50.2

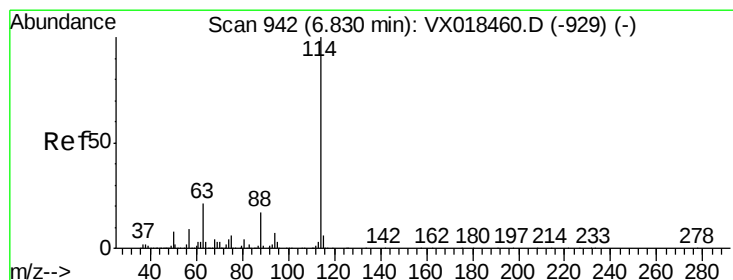
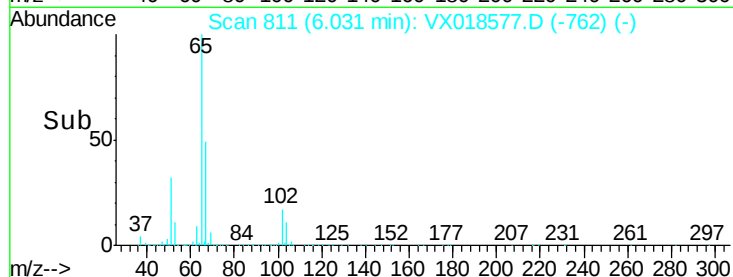
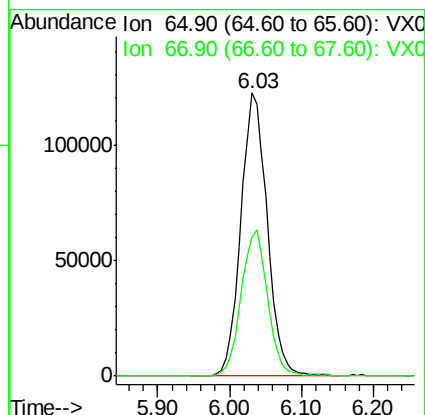
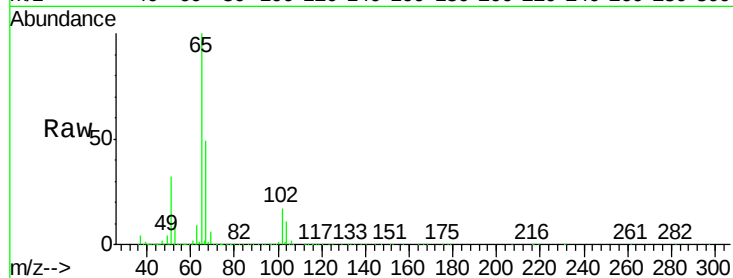




#33
 1,2-Dichloroethane-d4
 Concen: 51.358 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018577.D
 Acq: 24 Sep 2020 17:02

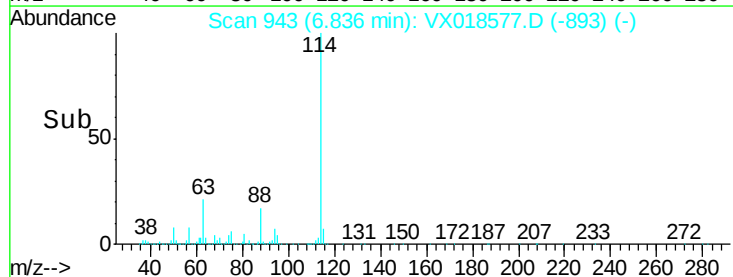
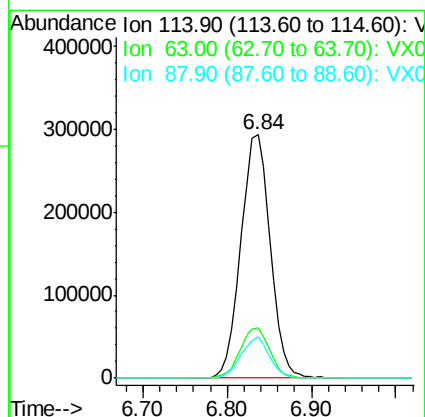
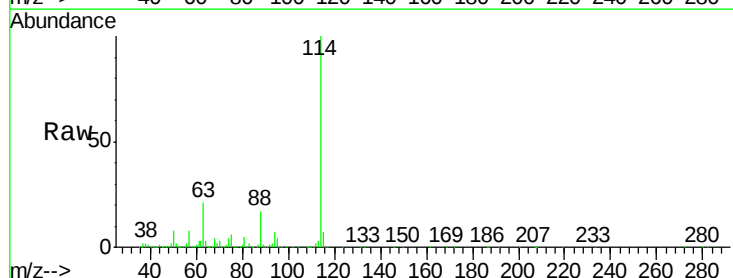
Instrument :
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 MW201D-20200919

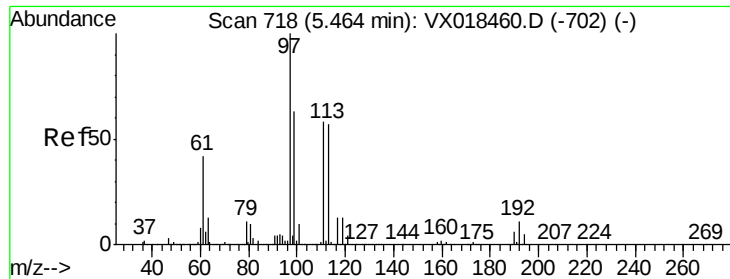
Tot Ion: 65 Resp: 312034
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018577.D
 Acq: 24 Sep 2020 17:02

Tgt Ion: 114 Resp: 689520
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.8
 88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.934 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20200919

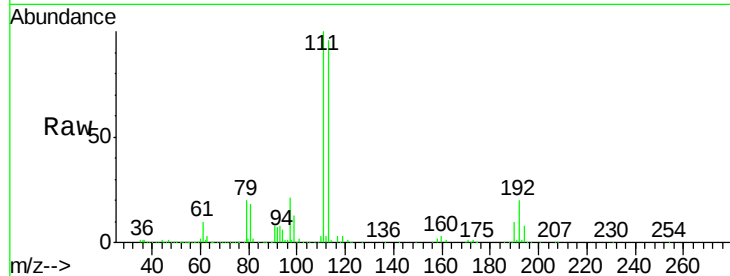
Tot Ion:113 Resp: 242790

Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.2

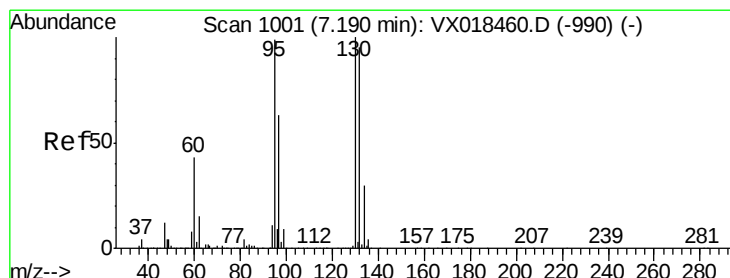
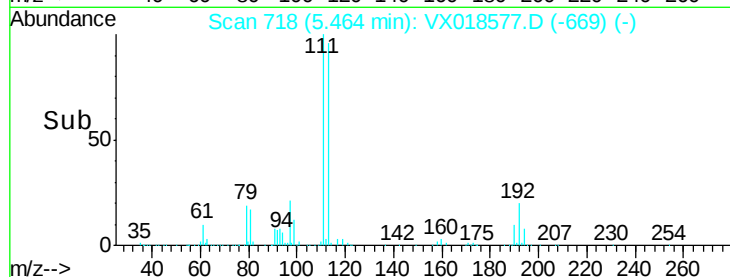
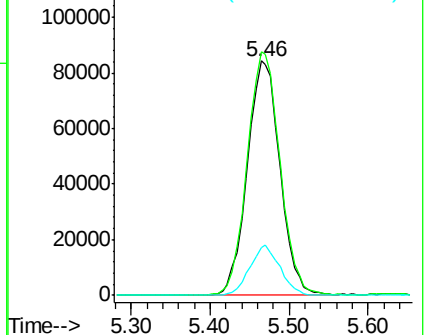
192 20.0 16.6 24.8



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



#44

Trichloroethene

Concen: 99.340 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018577.D

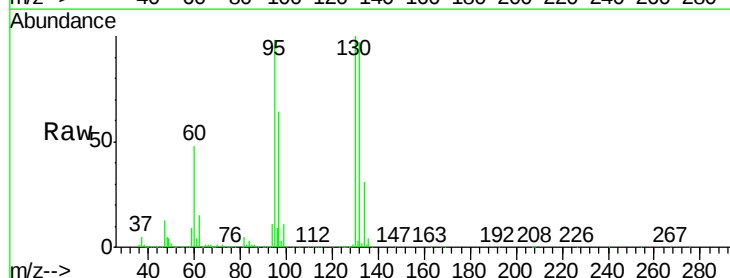
Acq: 24 Sep 2020 17:02

Tgt Ion:130 Resp: 551562

Ion Ratio Lower Upper

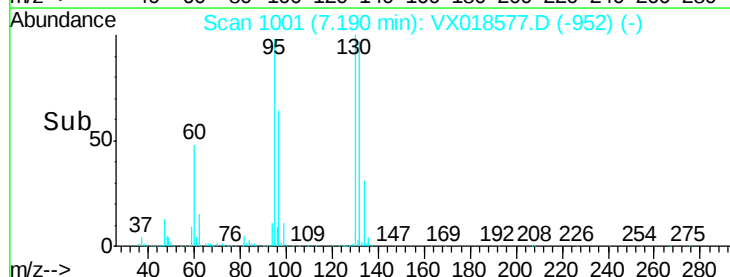
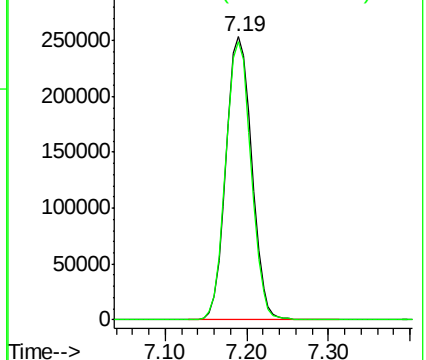
130 100

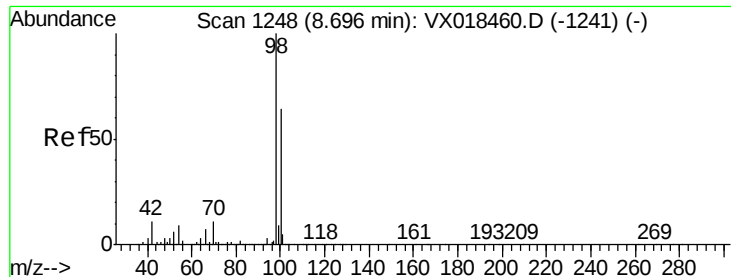
95 98.3 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.074 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

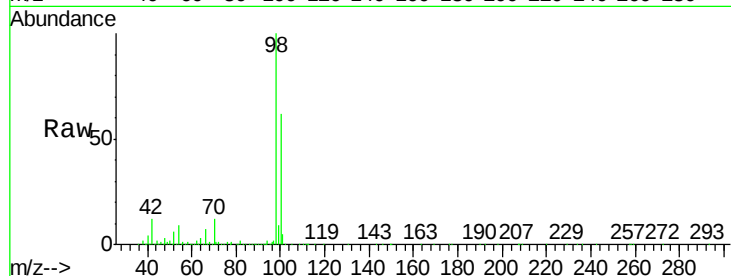
MW201D-20200919

Tot Ion: 98 Resp: 867247

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

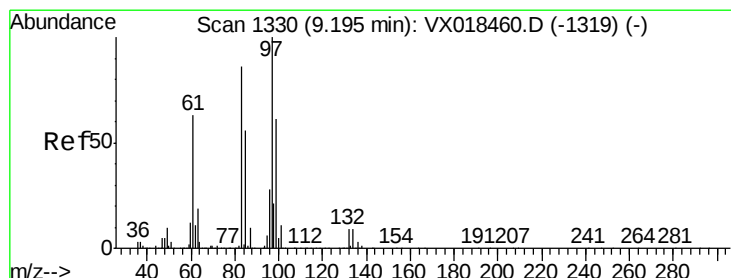
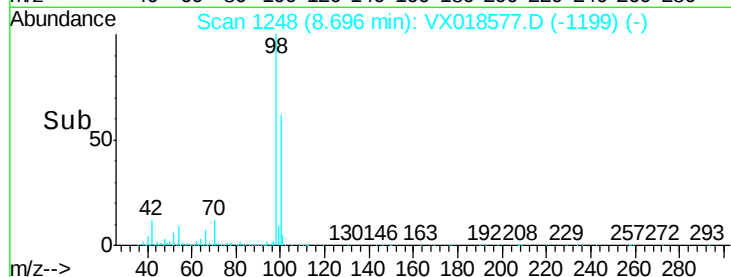
400000

200000

0

8.60 8.70 8.80

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.447 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Tgt Ion: 97 Resp: 2237

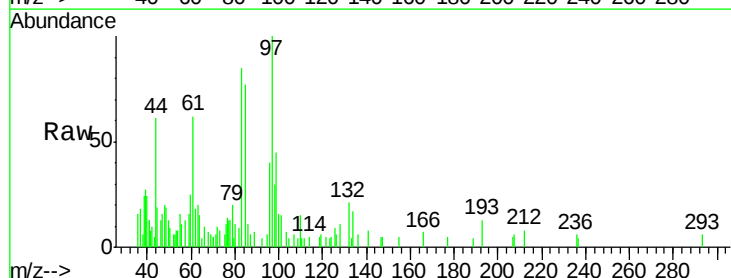
Ion Ratio Lower Upper

97 100

83 84.6 68.5 102.7

85 77.2 44.8 67.2#

99 44.8 48.9 73.3#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

2000

1500

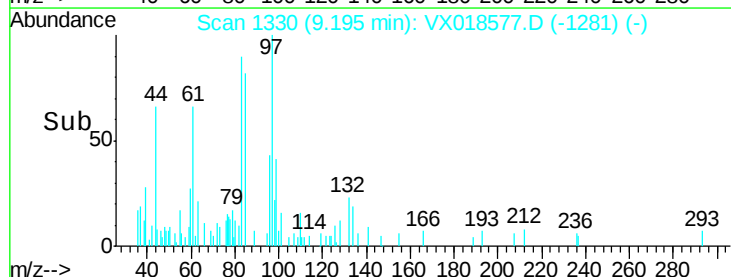
1000

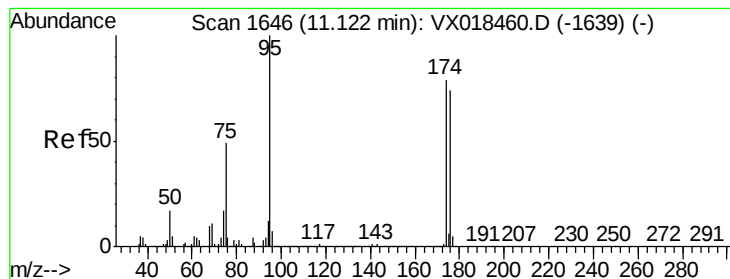
500

0

9.15 9.20 9.25

Time-->





#62

4-Bromofluorobenzene

Concen: 46.179 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20200919

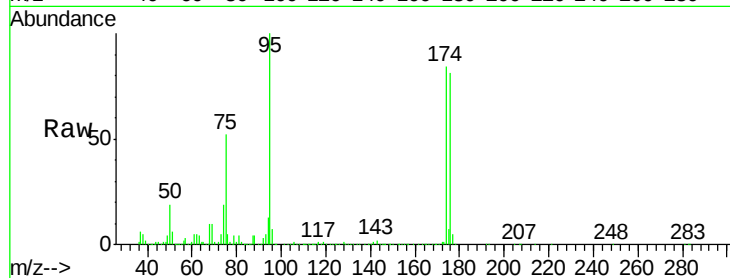
Tot Ion: 95 Resp: 318135

Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.4

176 78.3 0.0 151.4

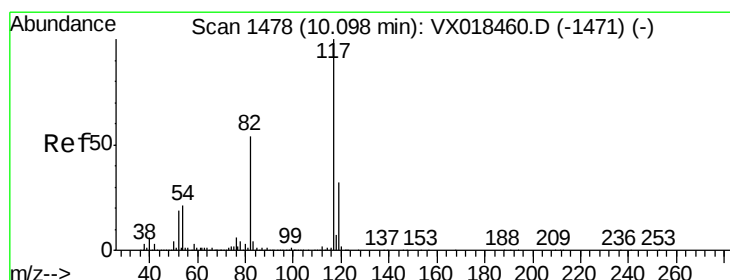
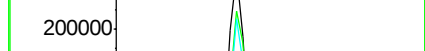
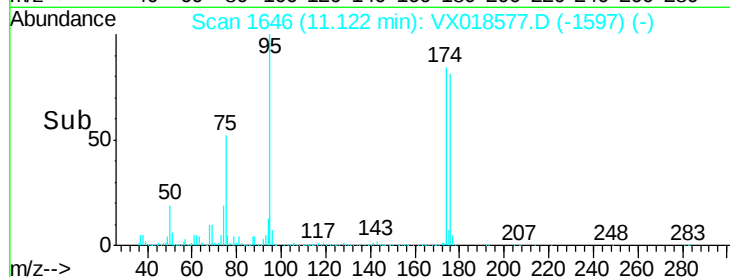


Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

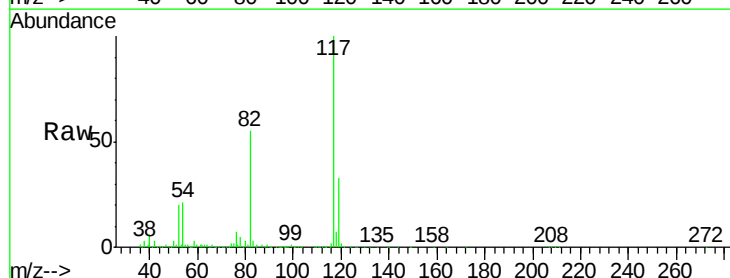
Tgt Ion: 117 Resp: 681540

Ion Ratio Lower Upper

117 100

82 55.0 43.3 64.9

119 33.2 25.9 38.9

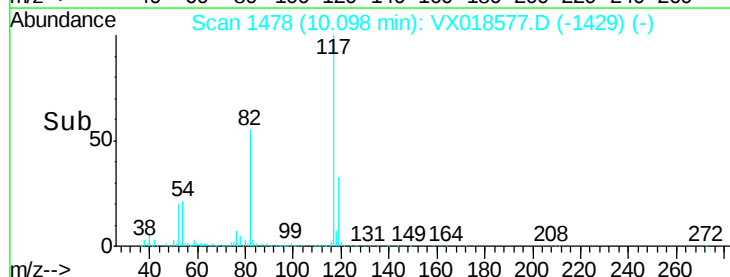


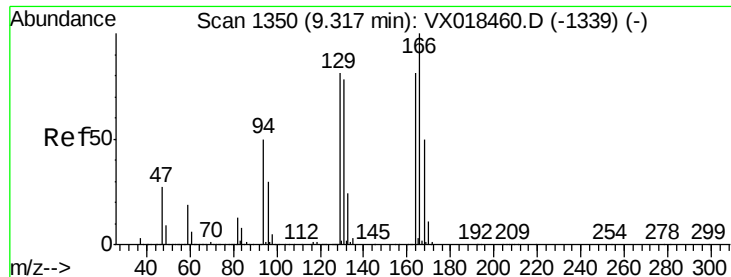
Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)

Time-->





#64

Tetrachloroethene

Concen: 102.426 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20200919

Tot Ion:164 Resp: 549584

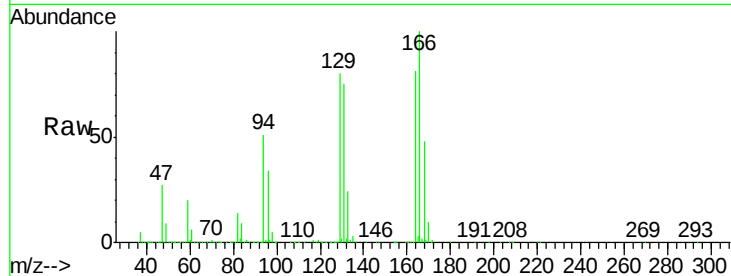
Ion Ratio Lower Upper

164 100

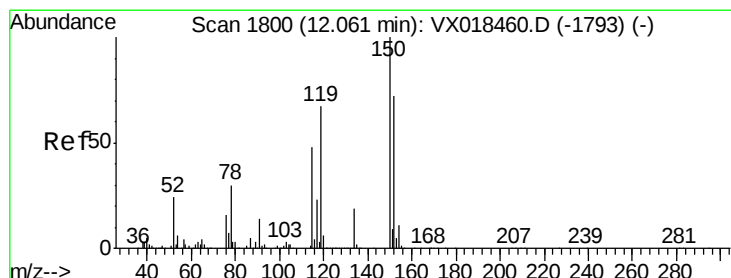
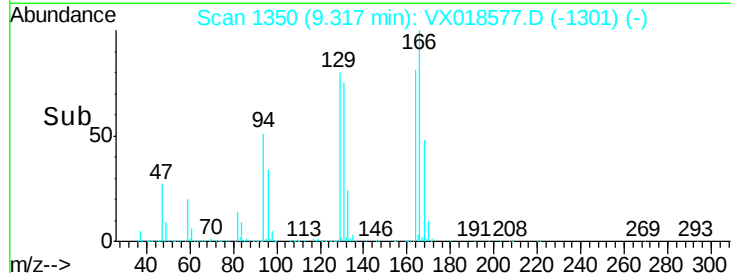
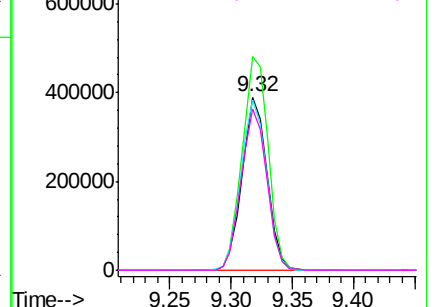
166 123.6 99.3 148.9

129 98.3 80.7 121.1

131 93.1 77.2 115.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018577.D

Acq: 24 Sep 2020 17:02

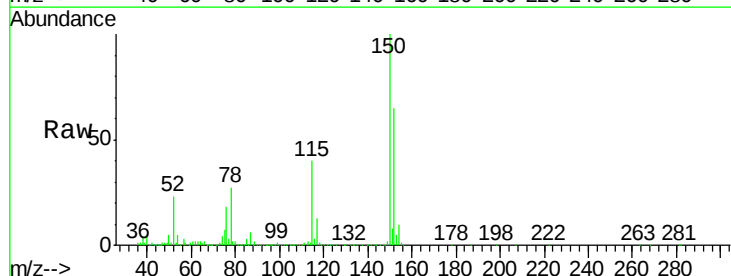
Tgt Ion:152 Resp: 340000

Ion Ratio Lower Upper

152 100

115 59.7 41.8 125.4

150 156.9 0.0 342.4



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

