

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014056.D
 Acq On : 17 Dec 2019 16:59
 Operator : JC/SP
 Sample : K6251-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20191207

Quant Time: Dec 18 07:42:55 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	563699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	865170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	772438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	324040	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	319054	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	5.49	113	260071	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.71	98	1023469	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	338232	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	

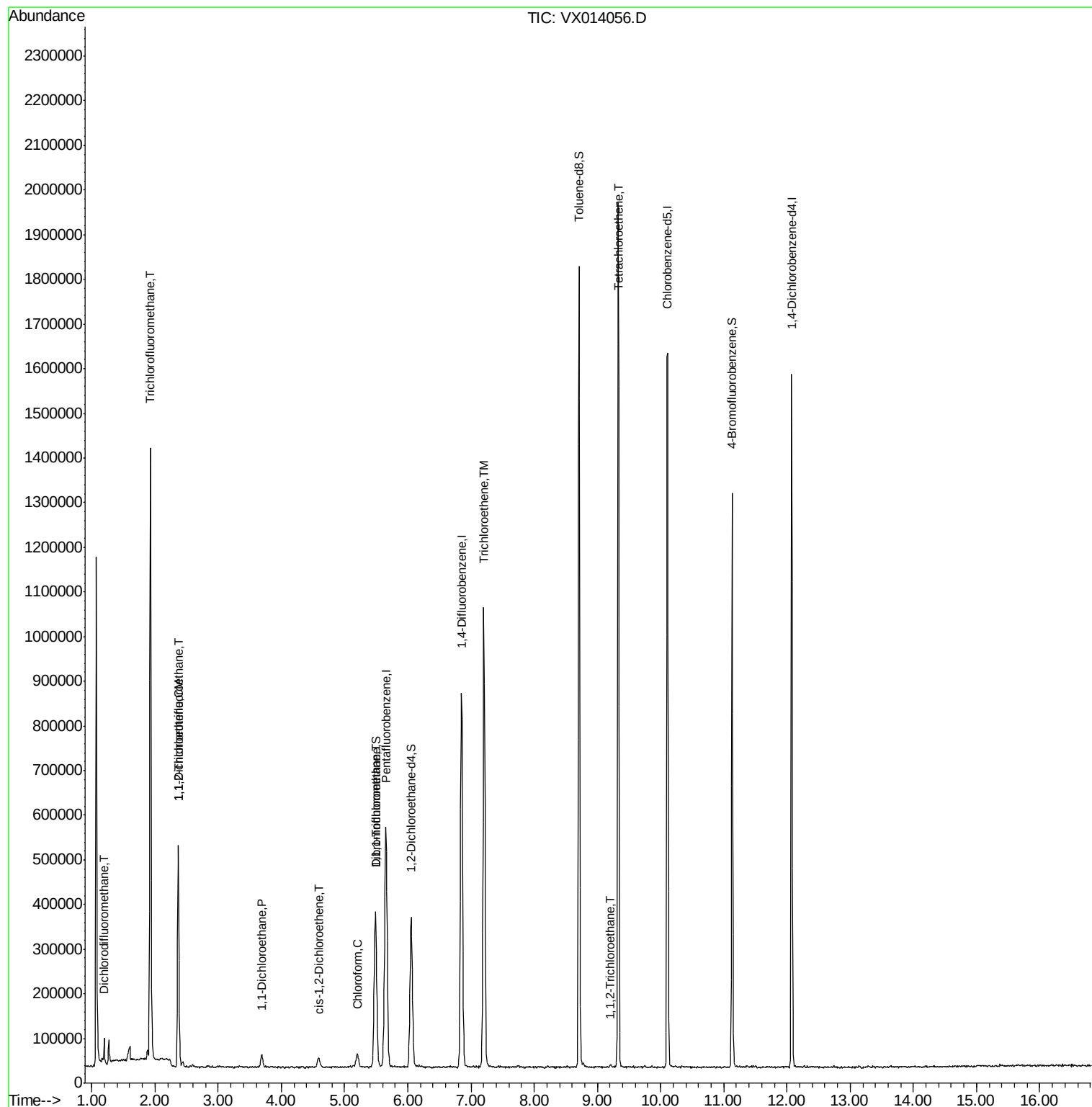
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	31725	6.291	ug/l	98
7) Trichlorofluoromethane	1.92	101	870478	98.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11809	2.216	ug/l	95
12) 1,1-Dichloroethene	2.37	96	165218	30.469	ug/l	99
24) 1,1-Dichloroethane	3.69	63	33207	3.094	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	15427	2.283	ug/l	87
30) Chloroform	5.20	83	36746	3.611	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	42968	4.955	ug/l	98
44) Trichloroethene	7.21	130	413051	61.224	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	2503	0.405	ug/l #	65
64) Tetrachloroethene	9.33	164	386301	56.517	ug/l	94

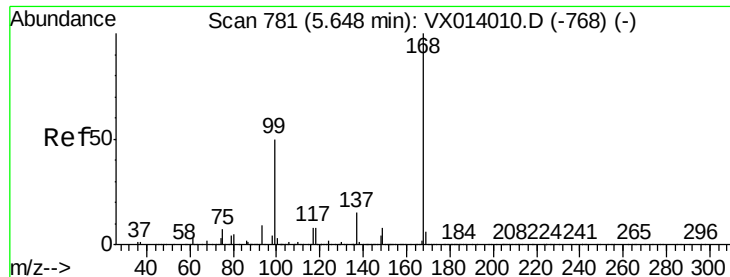
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

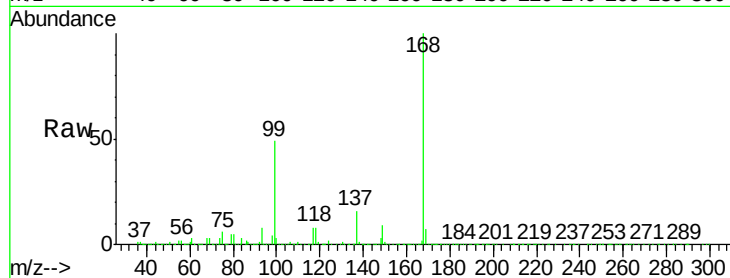
MW201D-20191207

Tot Ion:168 Resp: 563699

Ion Ratio Lower Upper

168 100

99 48.5 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

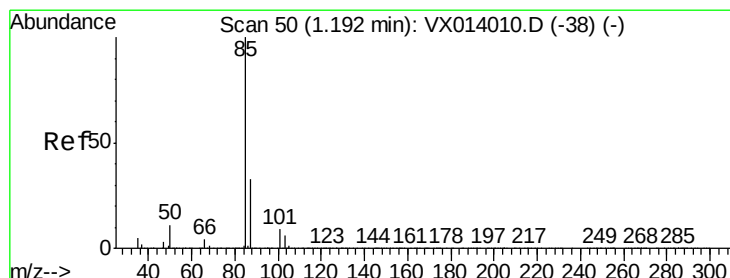
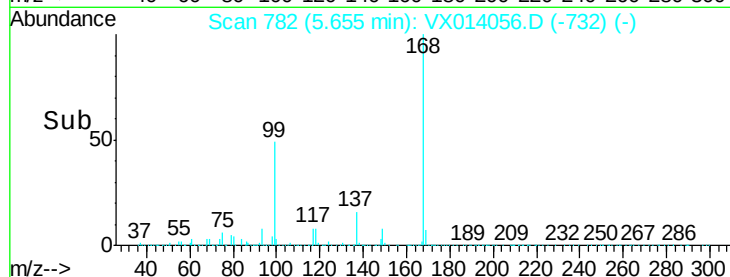
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 6.291 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014056.D

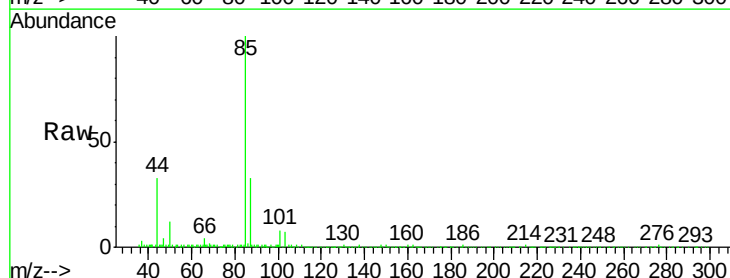
Acq: 17 Dec 2019 16:59

Tgt Ion: 85 Resp: 31725

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

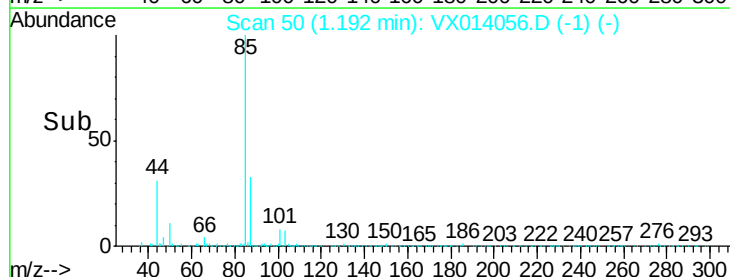
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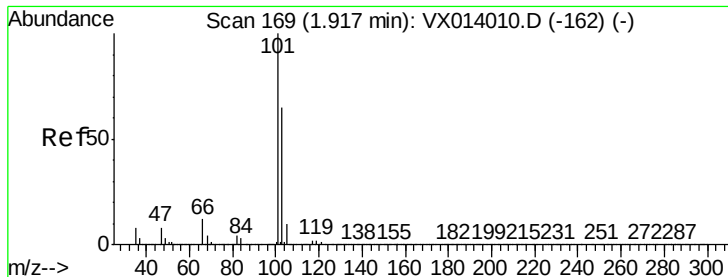
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Time-->



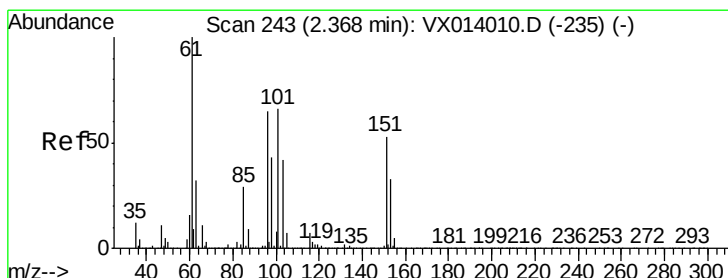
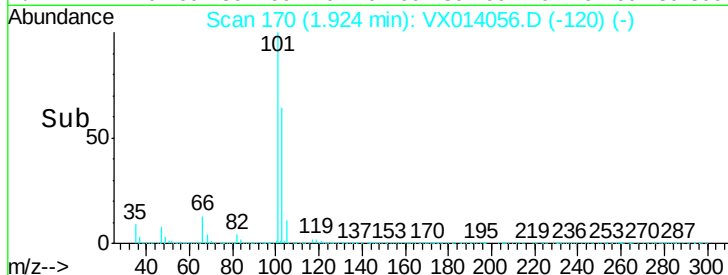
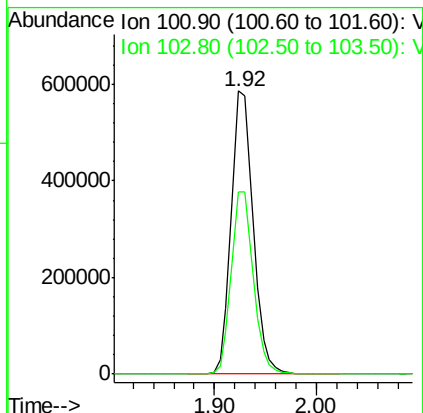
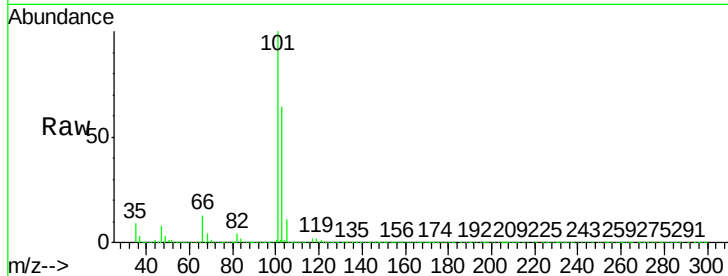


#7

Trichlorofluoromethane
Concen: 98.468 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

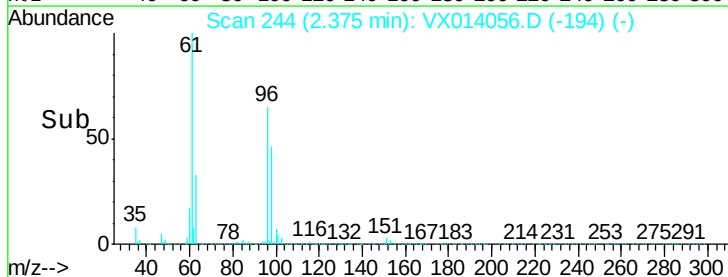
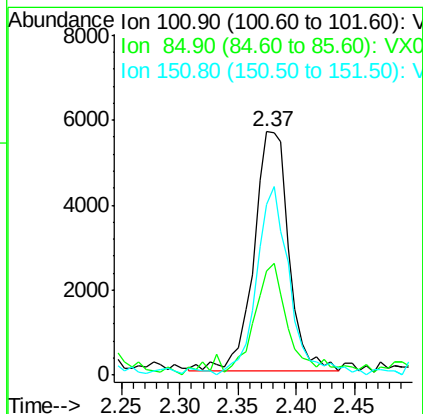
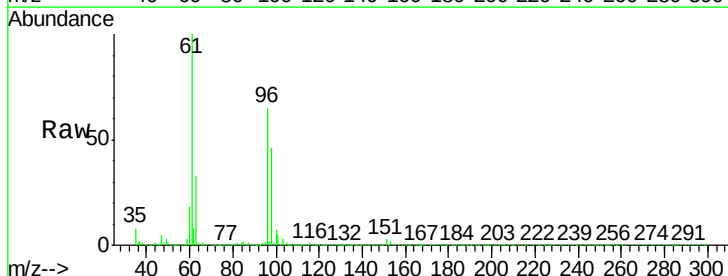
Tot Ion:101 Resp: 870478
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4

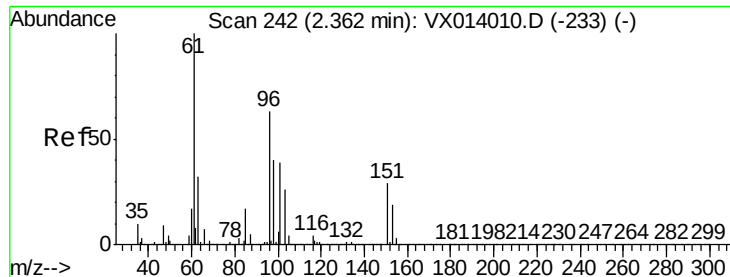


#9

1,1,2-Trichlorotrifluoroethane
Concen: 2.216 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Tgt Ion:101 Resp: 11809
Ion Ratio Lower Upper
101 100
85 40.0 33.7 50.5
151 75.0 64.5 96.7

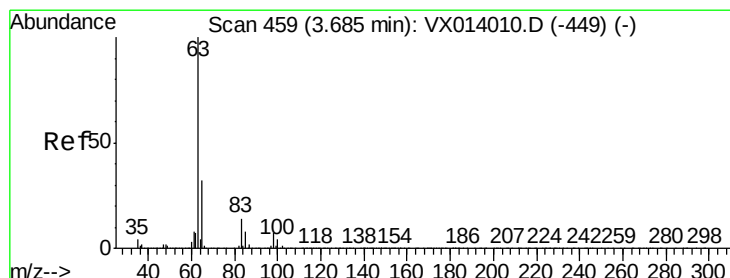
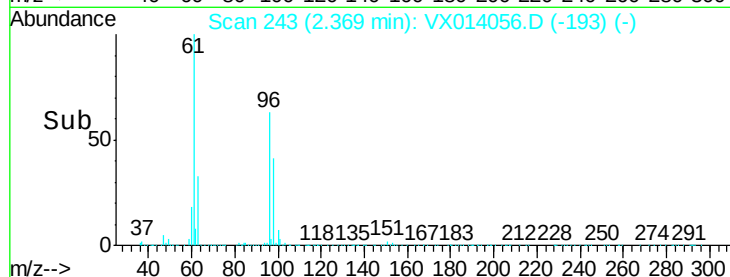
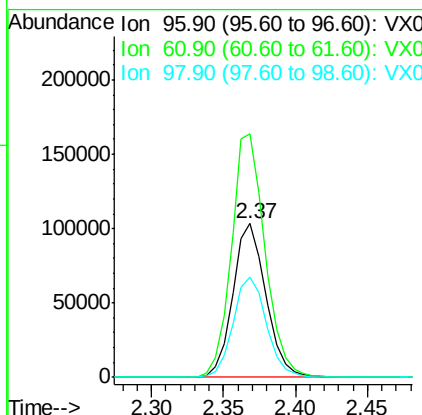
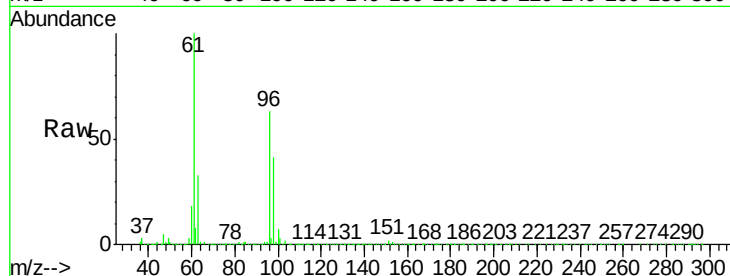




#12
 1,1-Dichloroethene
 Concen: 30.469 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX014056.D
 Acq: 17 Dec 2019 16:59

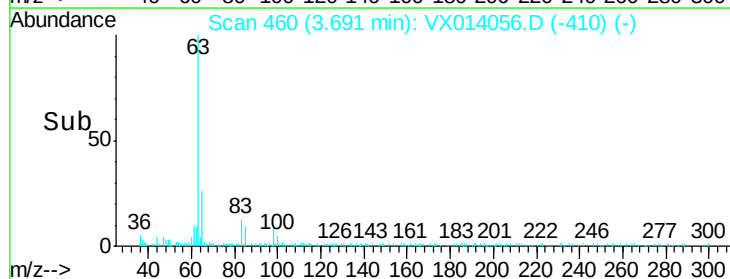
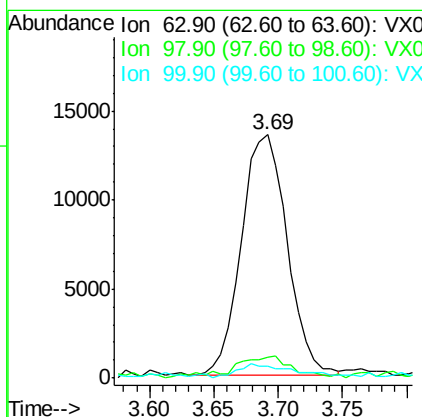
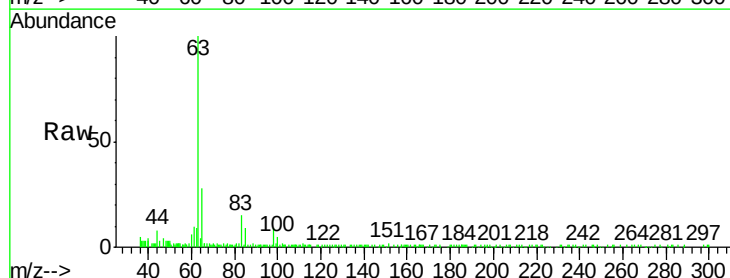
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20191207

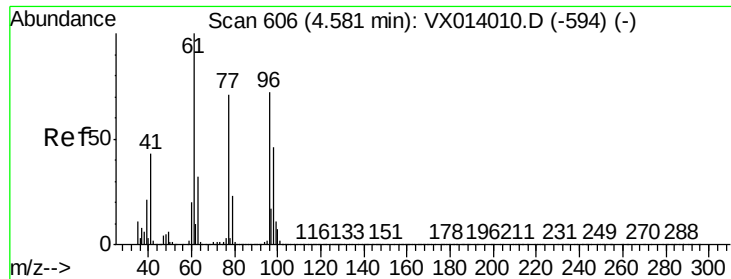
Tot Ion: 96 Resp: 165218
 Ion Ratio Lower Upper
 96 100
 61 158.5 127.9 191.9
 98 64.9 50.5 75.7



#24
 1,1-Dichloroethane
 Concen: 3.094 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX014056.D
 Acq: 17 Dec 2019 16:59

Tgt Ion: 63 Resp: 33207
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.6 10.8
 100 4.3 2.3 6.8



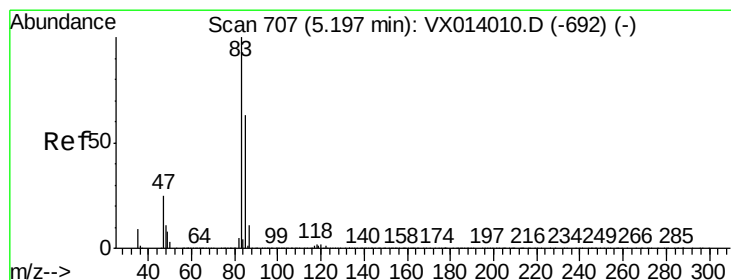
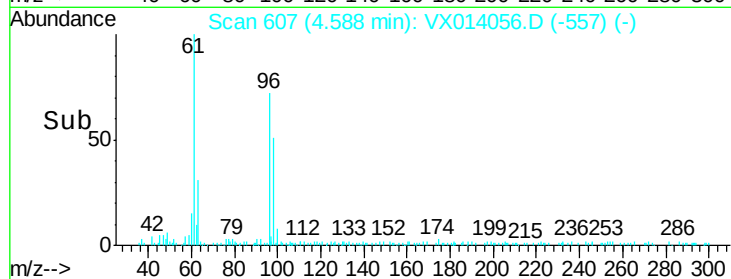
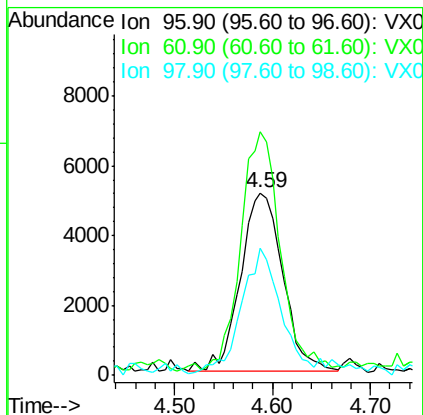
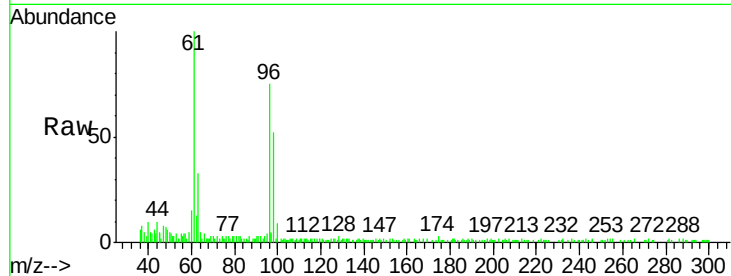


#27

cis-1,2-Dichloroethene
Concen: 2.283 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

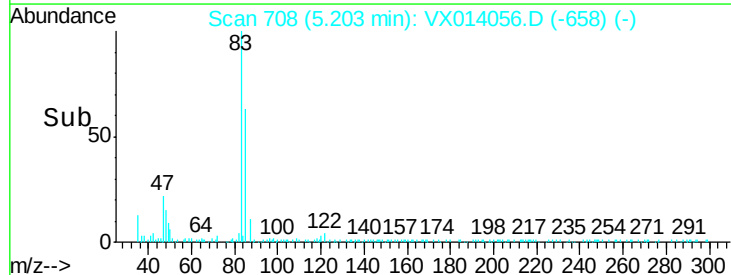
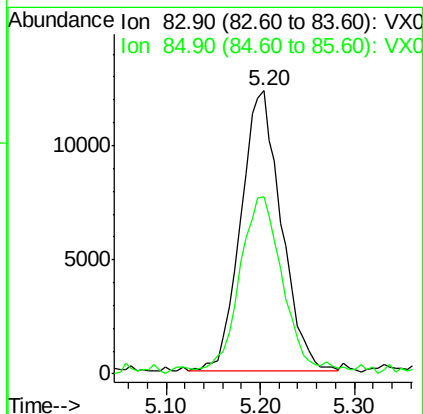
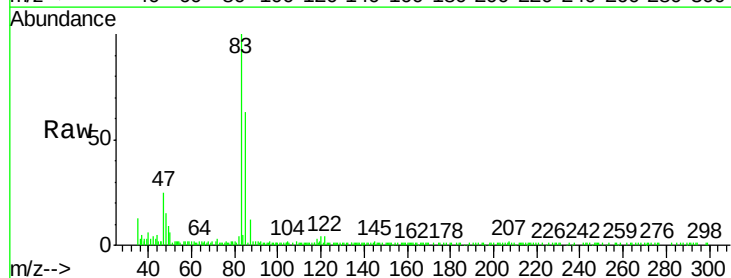
Tot Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	288.4
98	64.1	0.0	129.6

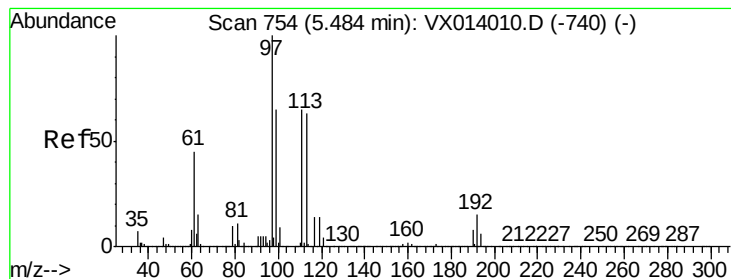


#30

Chloroform
Concen: 3.611 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.8	76.2





#32

1,1,1-Trichloroethane

Concen: 4.955 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

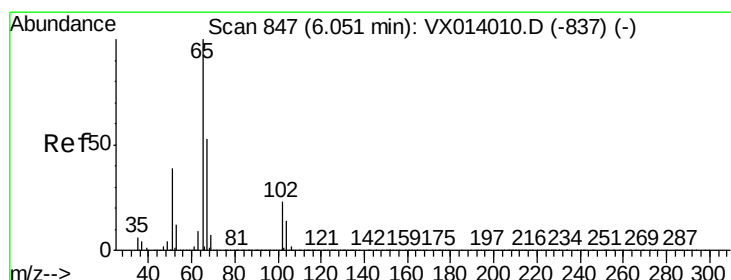
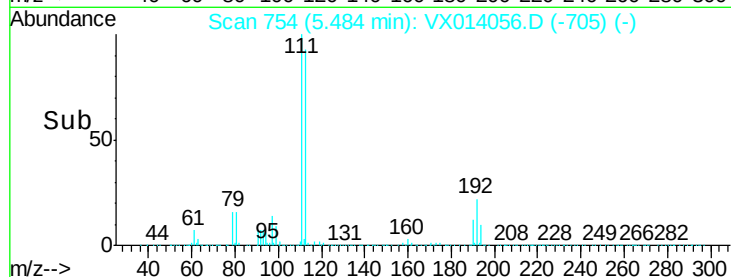
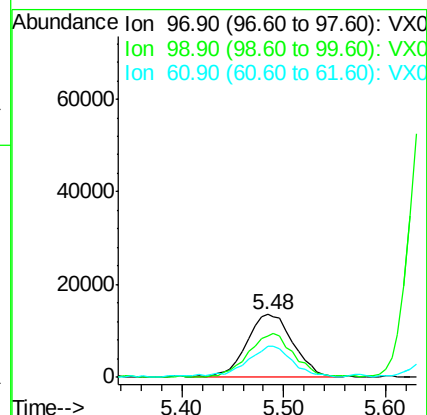
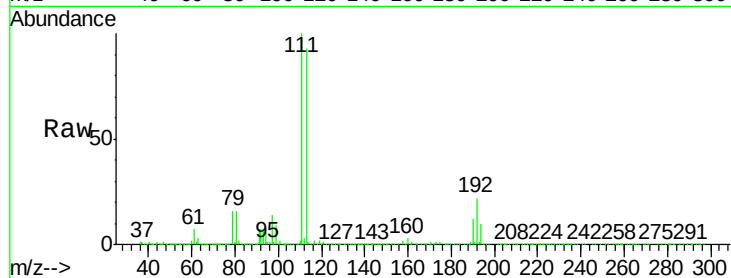
Tot Ion: 97 Resp: 42968

Ion Ratio Lower Upper

97 100

99 66.9 52.0 78.0

61 47.2 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 49.940 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014056.D

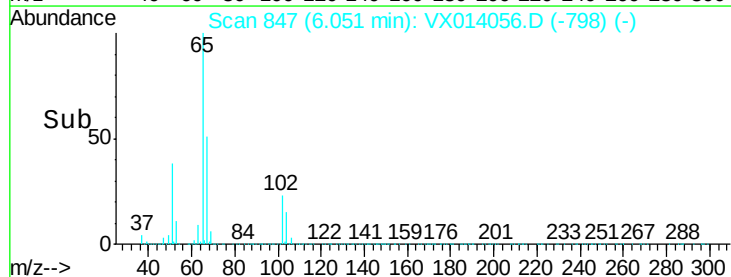
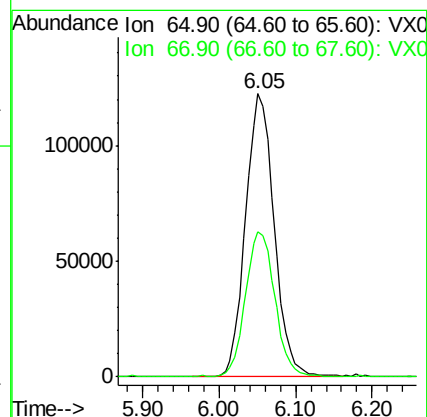
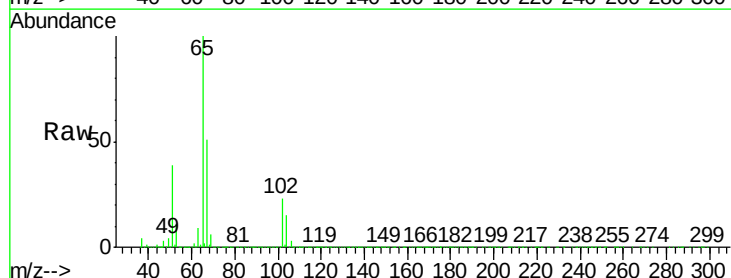
Acq: 17 Dec 2019 16:59

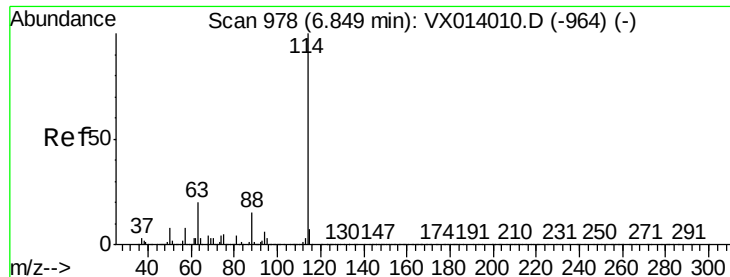
Tgt Ion: 65 Resp: 319054

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

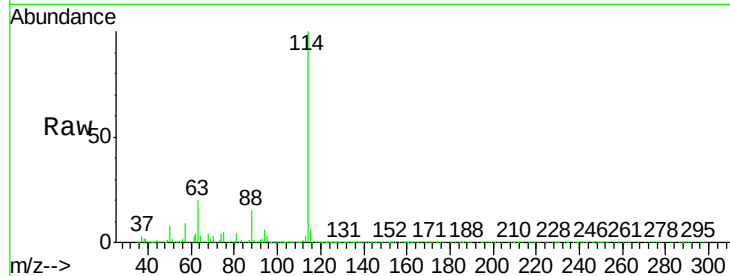
Tot Ion:114 Resp: 865170

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

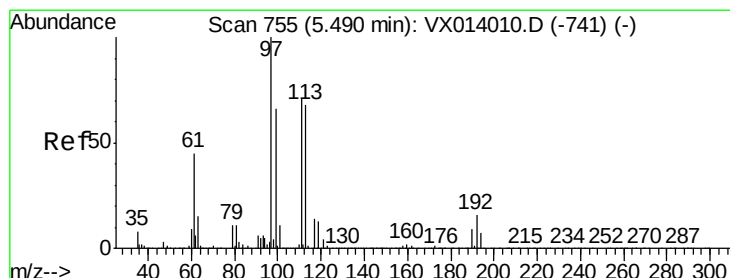
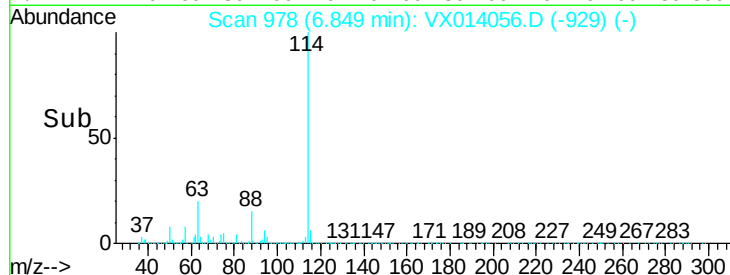
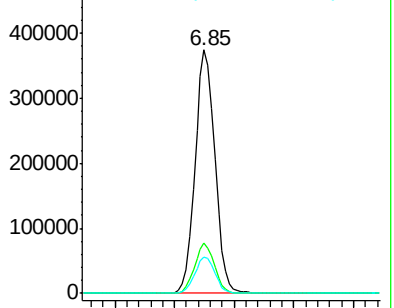
88 14.7 0.0 30.4



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: 49.450 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

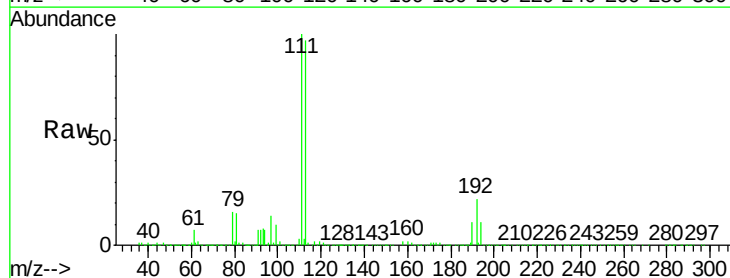
Tgt Ion:113 Resp: 260071

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

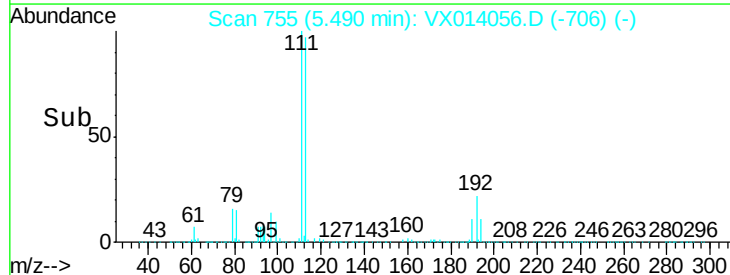
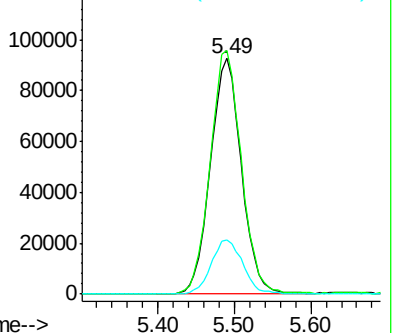
192 23.3 19.3 28.9

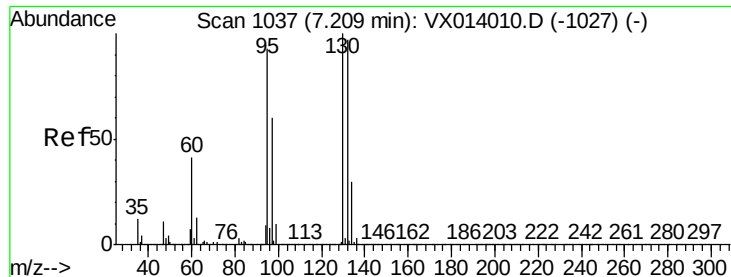


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 61.224 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

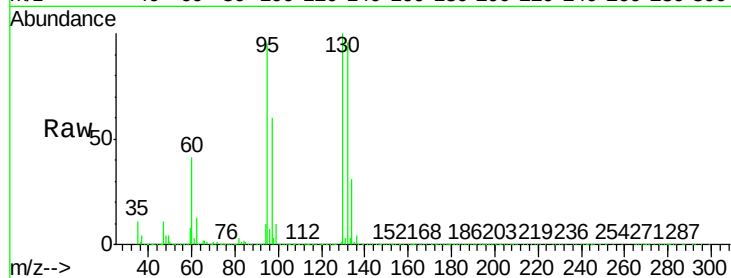
MW201D-20191207

Tot Ion:130 Resp: 413051

Ion Ratio Lower Upper

130 100

95 94.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

200000

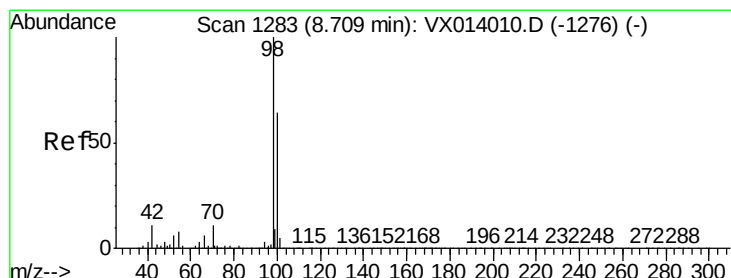
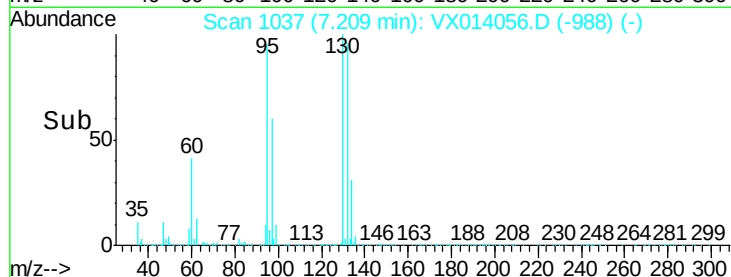
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 49.985 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014056.D

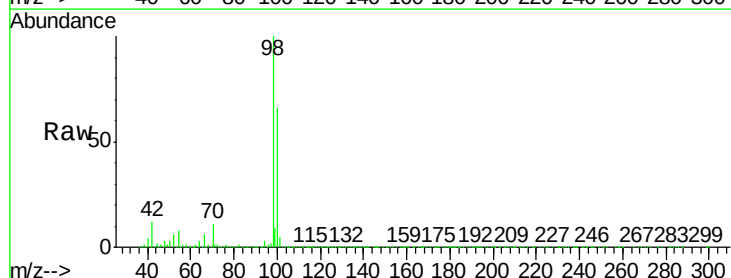
Acq: 17 Dec 2019 16:59

Tgt Ion: 98 Resp: 1023469

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

800000

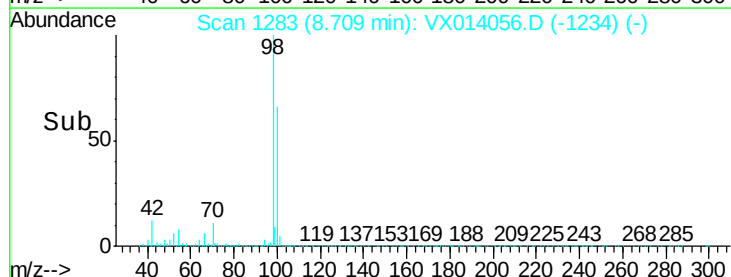
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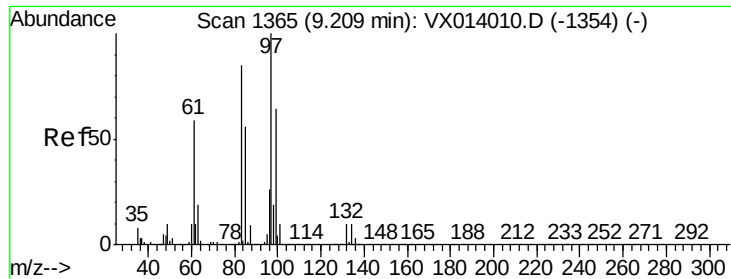
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.405 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

Tot Ion: 97 Resp: 2503

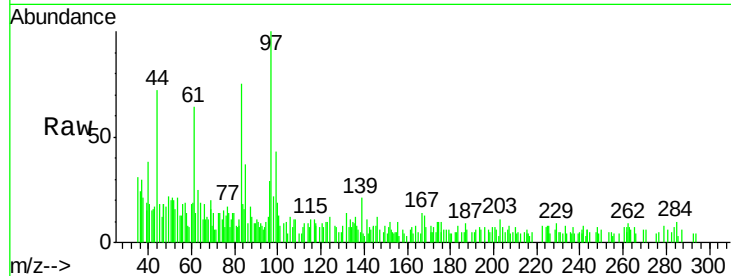
Ion	Ratio	Lower	Upper
97	100		
83	70.9	68.2	102.4
85	24.0	44.6	66.8#
99	23.5	51.4	77.0#

97 100

83 70.9 68.2 102.4

85 24.0 44.6 66.8#

99 23.5 51.4 77.0#



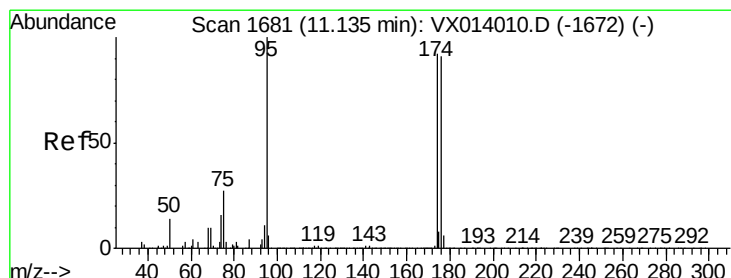
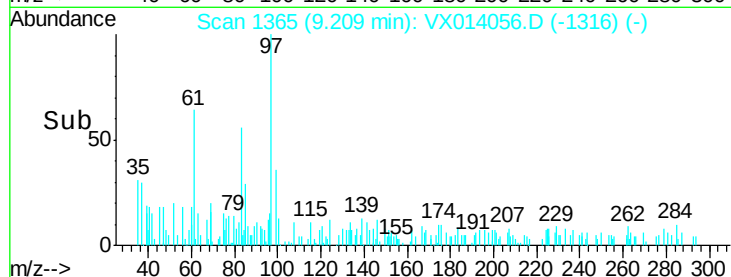
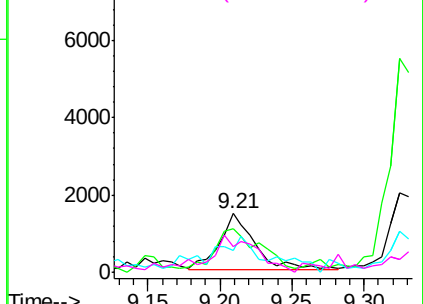
Abundance

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



#62

4-Bromofluorobenzene

Concen: 45.189 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

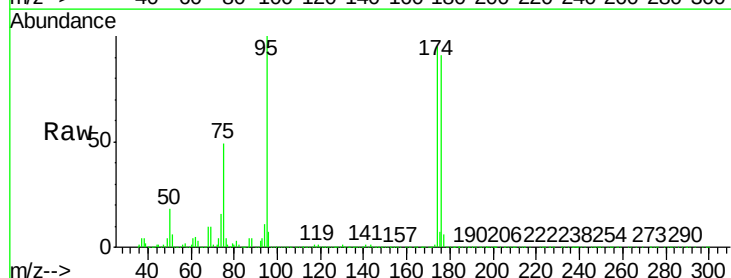
Tgt Ion: 95 Resp: 338232

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	175.8
176	85.4	0.0	173.0

95 100

174 88.8 0.0 175.8

176 85.4 0.0 173.0

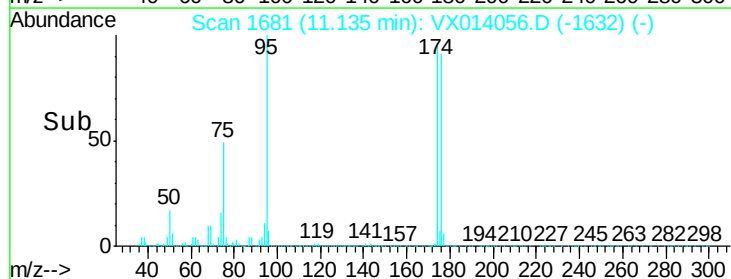
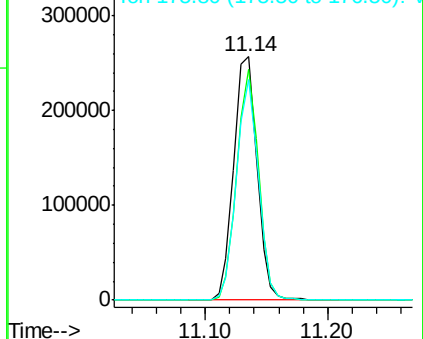


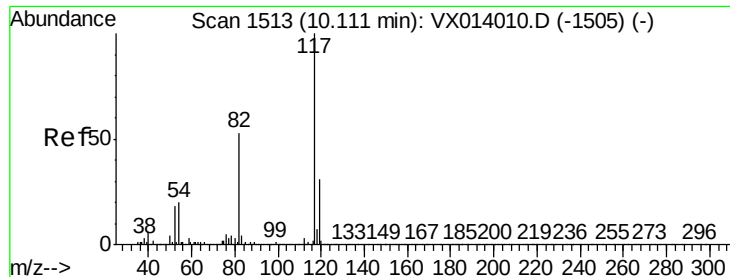
Abundance

Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

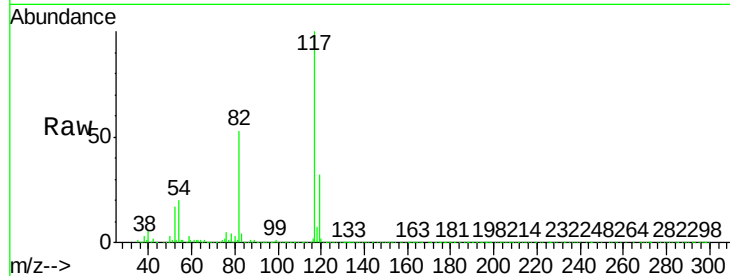




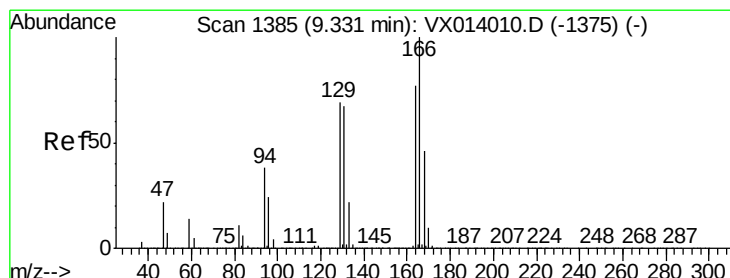
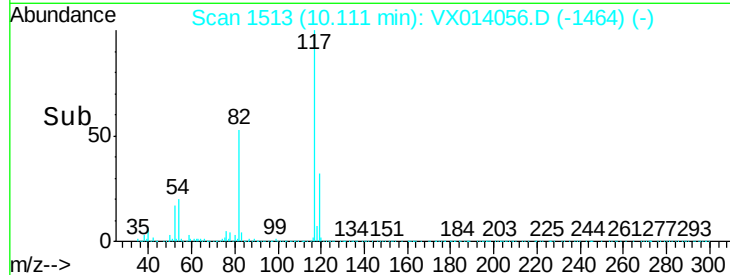
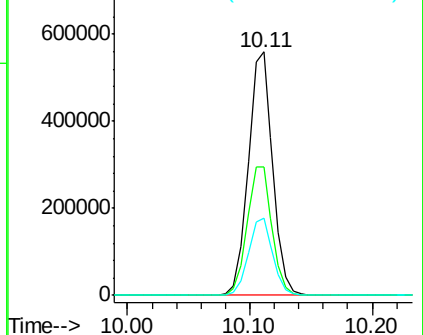
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.6	25.1	37.7



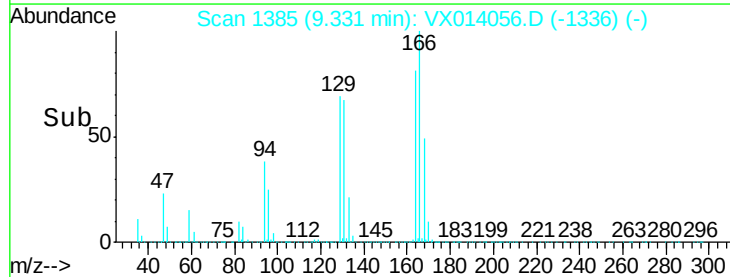
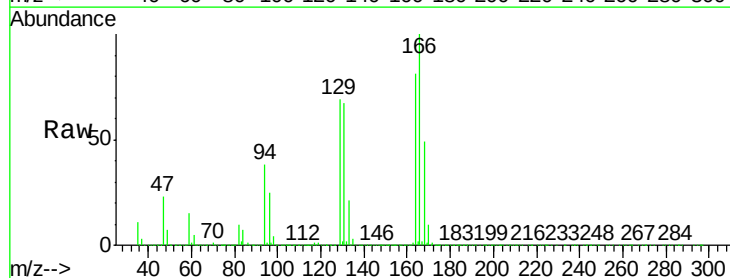
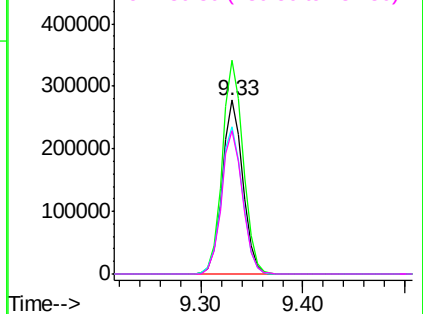
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

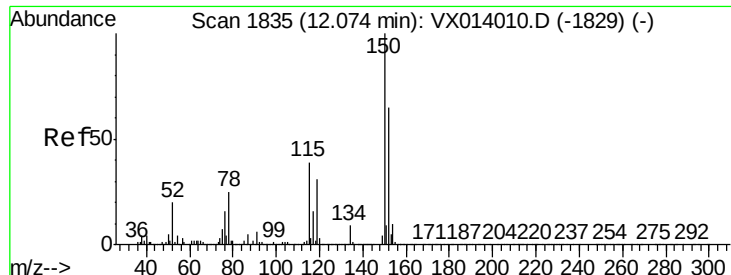


#64
Tetrachloroethene
Concen: 56.517 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014056.D
Acq: 17 Dec 2019 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	104.0	156.0
129	84.7	72.2	108.4
131	82.5	69.6	104.4

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014056.D

Acq: 17 Dec 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

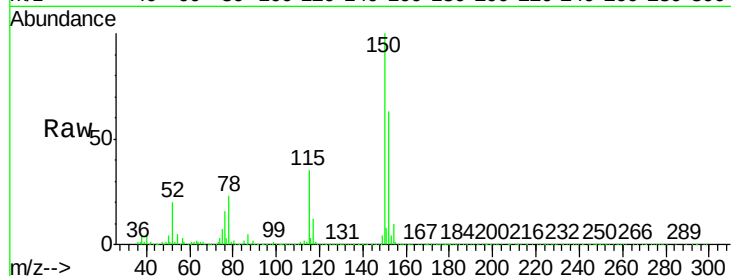
Tot Ion:152 Resp: 324040

Ion Ratio Lower Upper

152 100

115 55.9 38.3 114.9

150 157.0 0.0 345.4



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

