

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014048.D
 Acq On : 16 Dec 2019 20:17
 Operator : JC/SP
 Sample : K6251-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20191207

Quant Time: Dec 17 05:44:44 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	563943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	860369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	765844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	323111	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	314318	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	5.49	113	264543	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	8.71	98	1021953	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	333386	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	

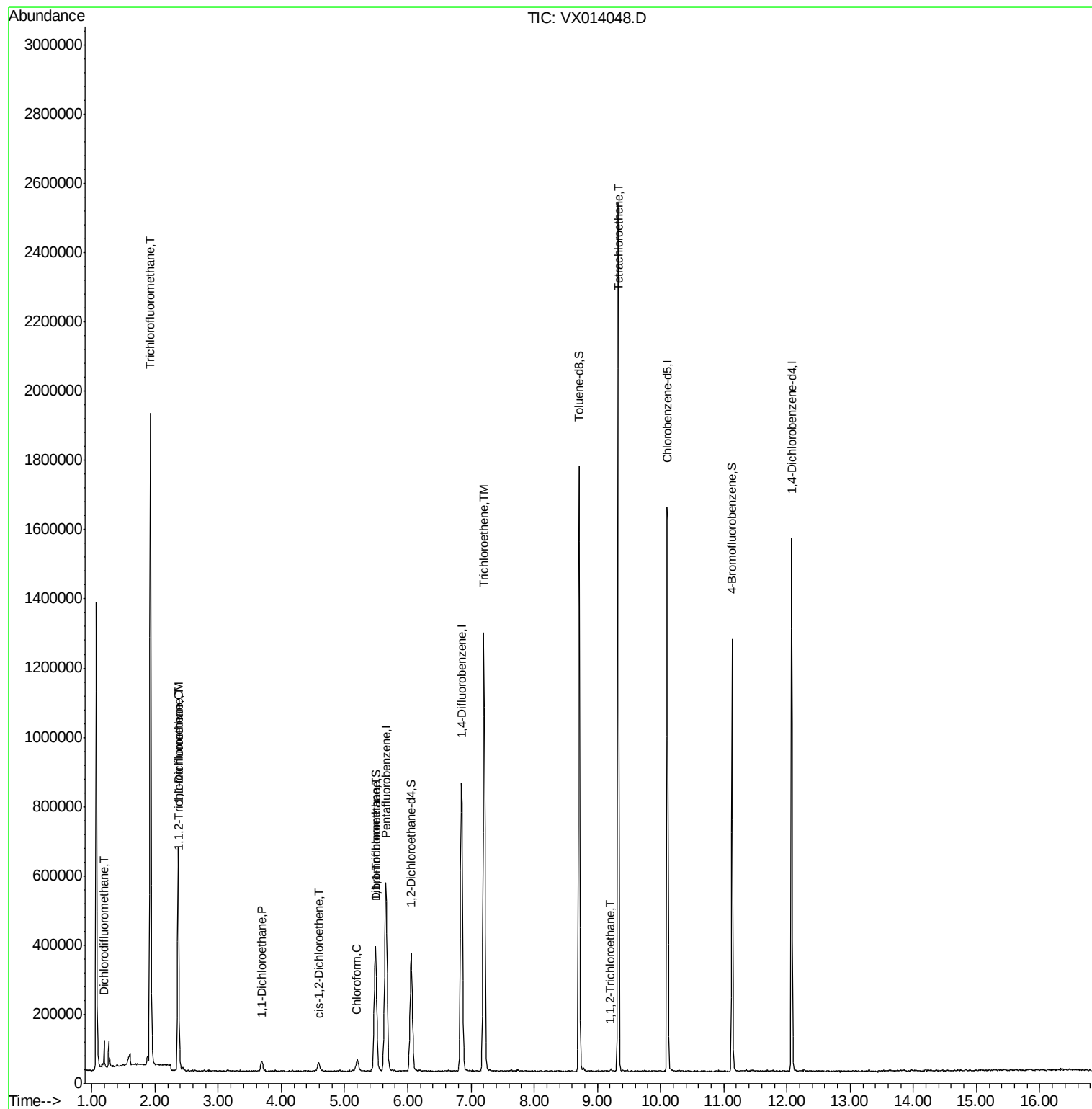
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	45934	9.104	ug/l	100
7) Trichlorofluoromethane	1.92	101	1198081	135.468	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13877	2.603	ug/l	95
12) 1,1-Dichloroethene	2.37	96	209313	38.585	ug/l	99
24) 1,1-Dichloroethane	3.69	63	35989	3.351	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	15437	2.284	ug/l	96
30) Chloroform	5.20	83	39859	3.915	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	52356	6.035	ug/l	98
44) Trichloroethene	7.21	130	507577	75.655	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	2174	0.353	ug/l #	76
64) Tetrachloroethene	9.33	164	491299	72.497	ug/l	96

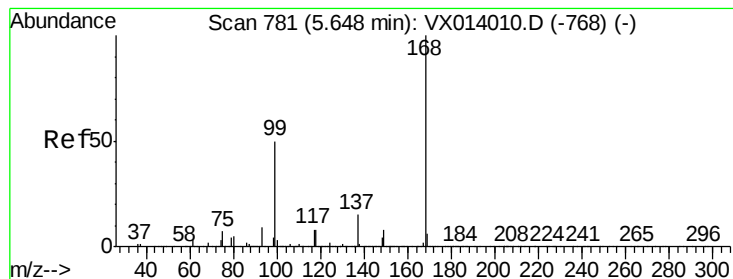
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

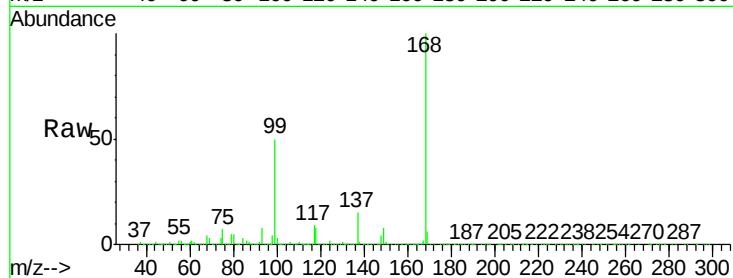
MW201D-20191207

Tot Ion:168 Resp: 563943

Ion Ratio Lower Upper

168 100

99 50.4 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

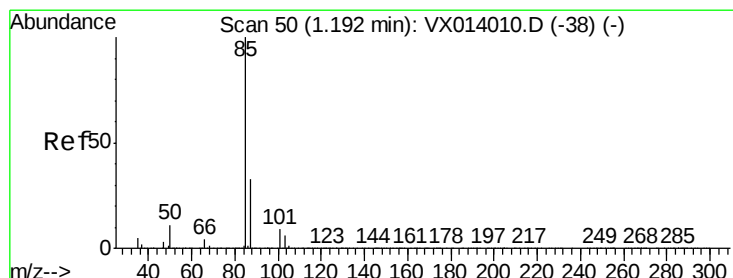
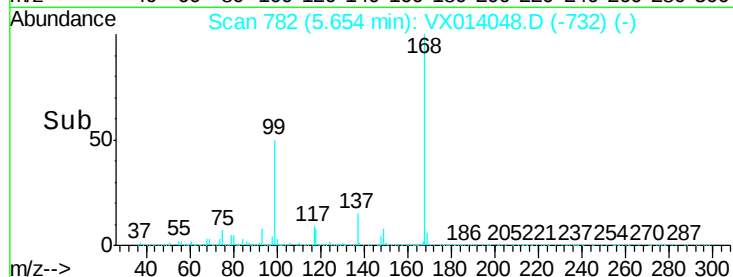
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.104 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014048.D

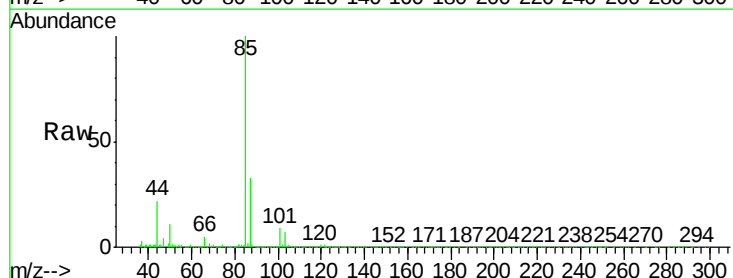
Acq: 16 Dec 2019 20:17

Tgt Ion: 85 Resp: 45934

Ion Ratio Lower Upper

85 100

87 32.7 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

50000

40000

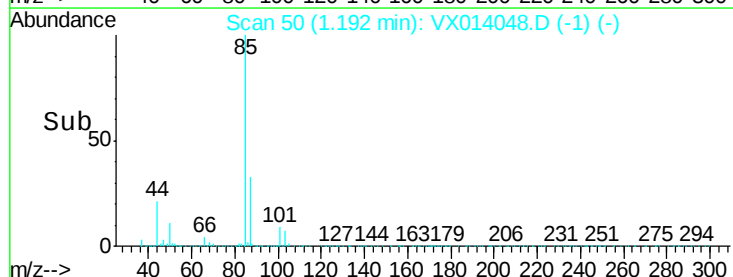
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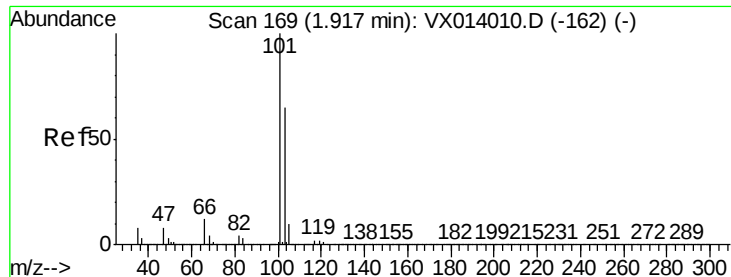
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10000

0

Time-->



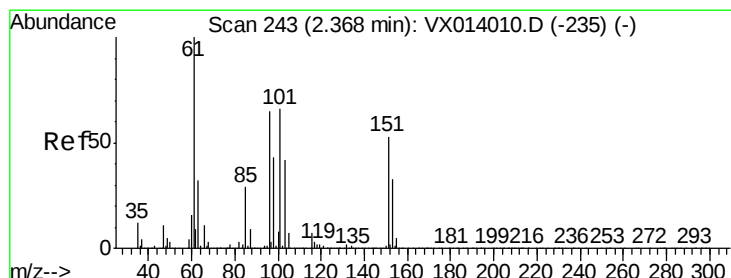
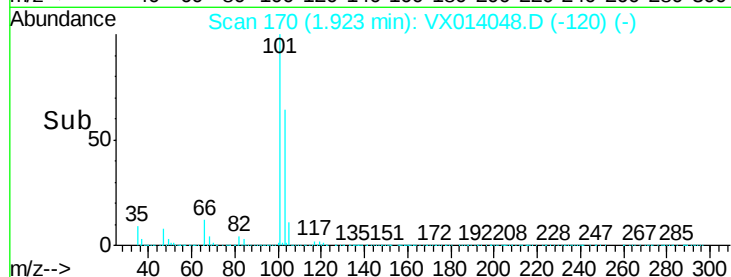
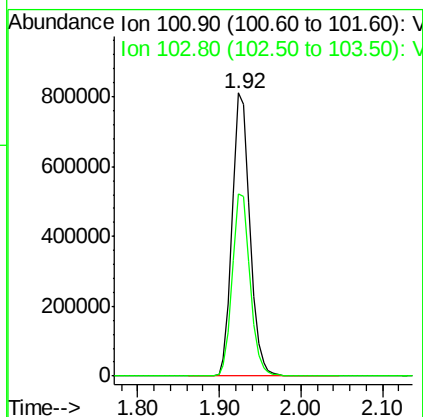
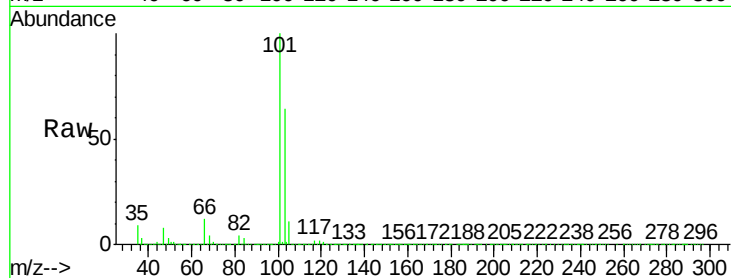


#7

Trichlorofluoromethane
Concen: 135.468 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

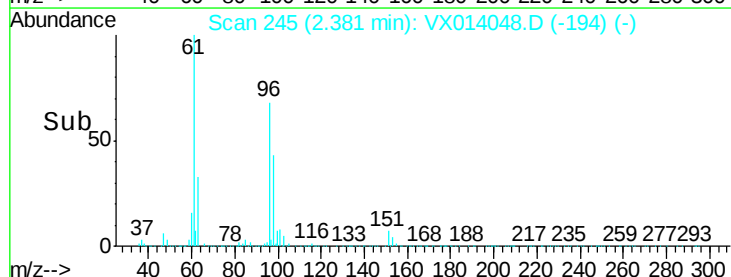
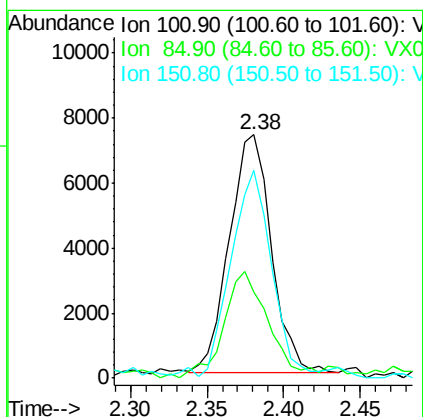
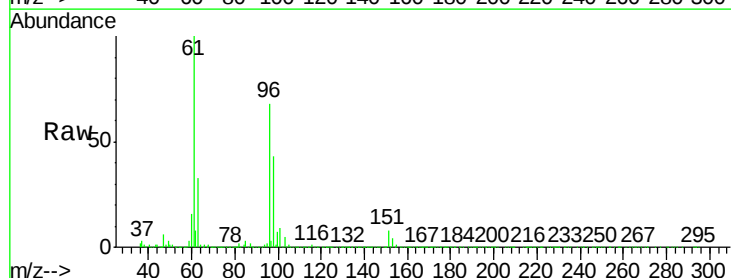
Tot Ion:101 Resp: 1198081
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4

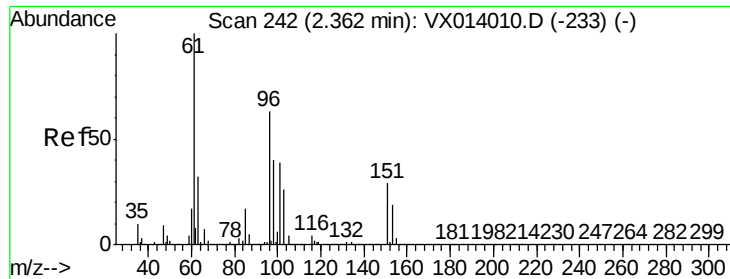


#9

1,1,2-Trichlorotrifluoroethane
Concen: 2.603 ug/l
RT: 2.38 min Scan# 245
Delta R.T. 0.01 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

Tgt Ion:101 Resp: 13877
Ion Ratio Lower Upper
101 100
85 48.1 33.7 50.5
151 83.2 64.5 96.7





#12

1,1-Dichloroethene

Concen: 38.585 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

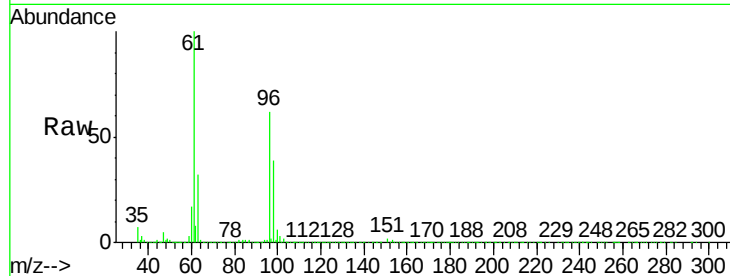
Tot Ion: 96 Resp: 209313

Ion Ratio Lower Upper

96 100

61 161.1 127.9 191.9

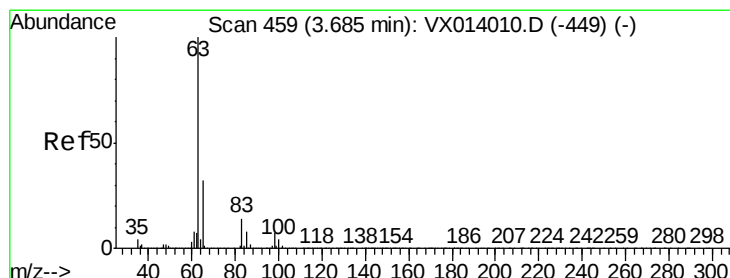
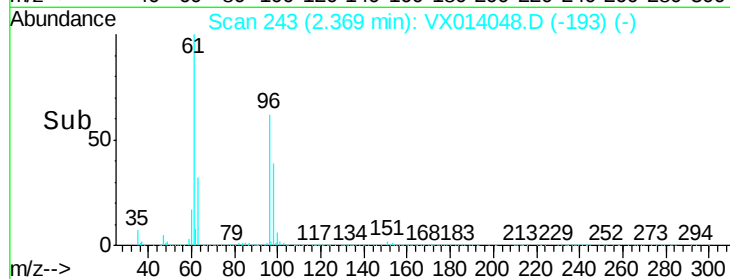
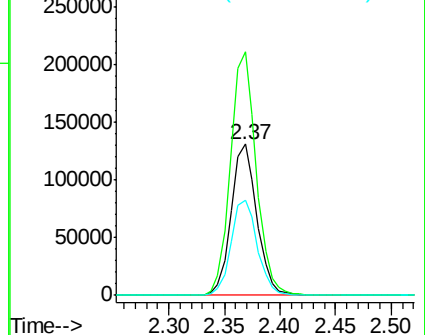
98 62.9 50.5 75.7



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: 3.351 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014048.D

Acq: 16 Dec 2019 20:17

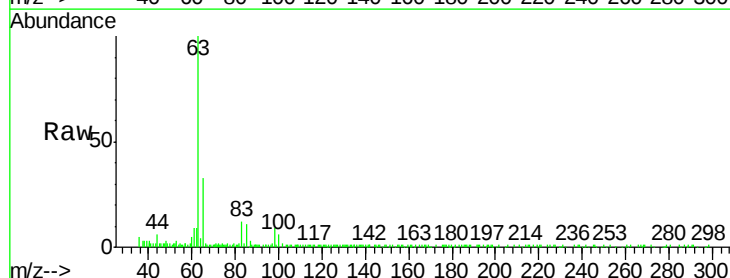
Tgt Ion: 63 Resp: 35989

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

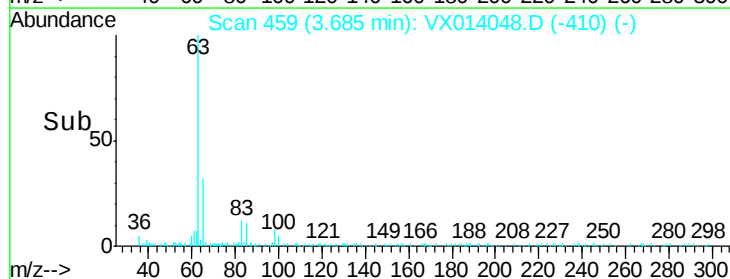
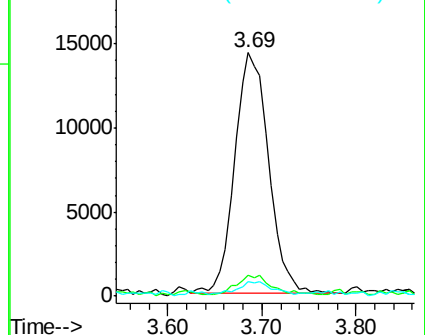
100 4.1 2.3 6.8

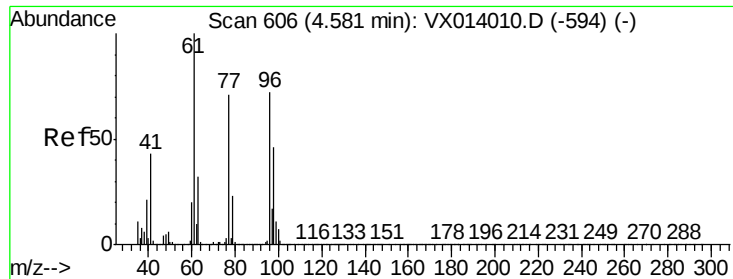


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



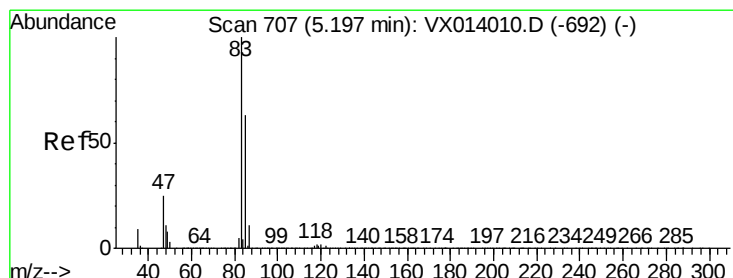
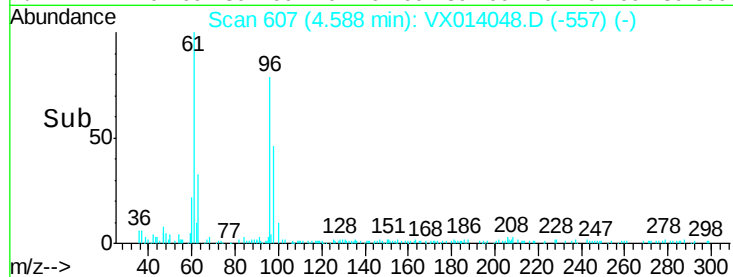
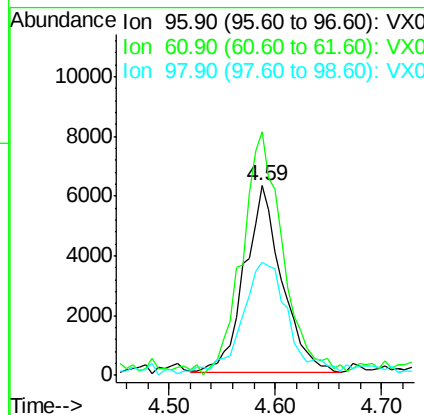
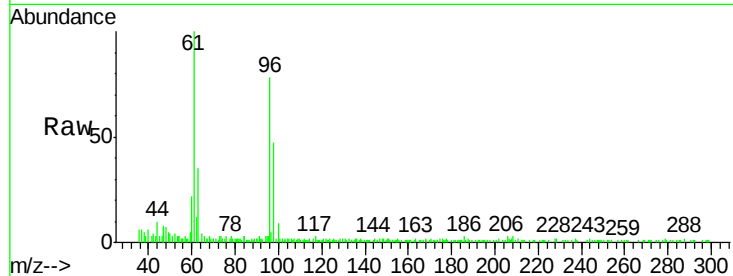


#27

cis-1,2-Dichloroethene
Concen: 2.284 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

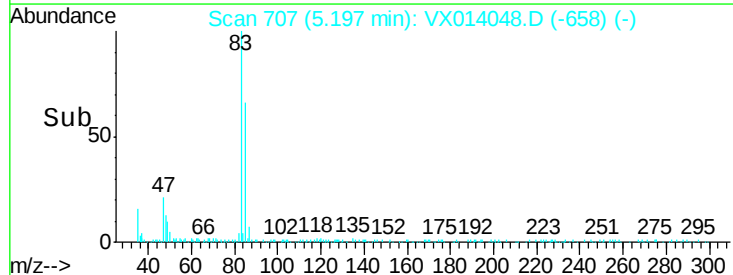
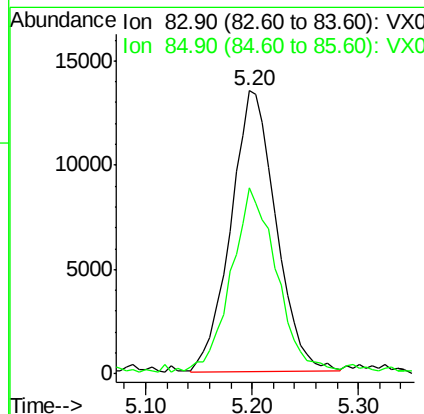
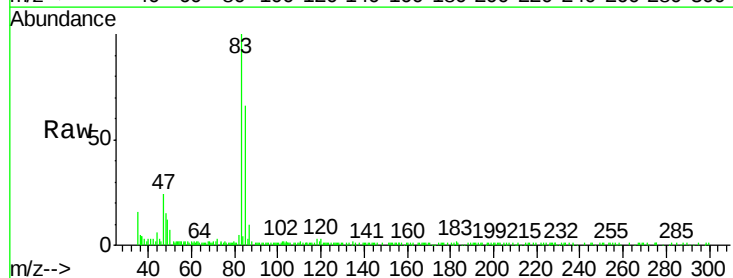
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	288.4
98	72.9	0.0	129.6

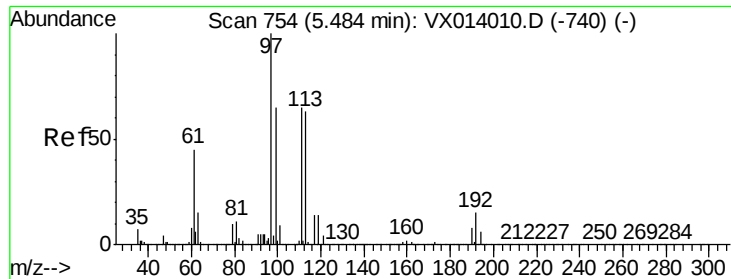


#30

Chloroform
Concen: 3.915 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.8	76.2





#32

1,1,1-Trichloroethane

Concen: 6.035 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

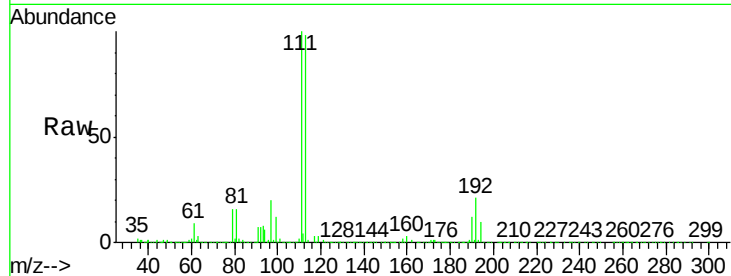
Tot Ion: 97 Resp: 52356

Ion Ratio Lower Upper

97 100

99 63.4 52.0 78.0

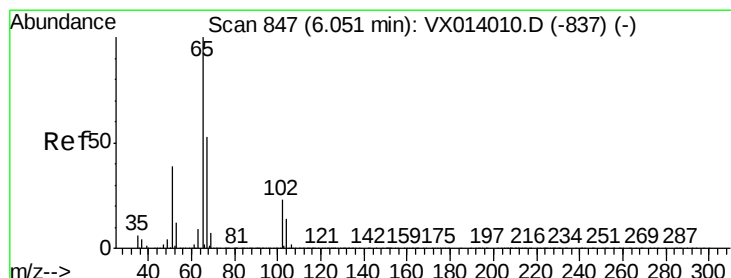
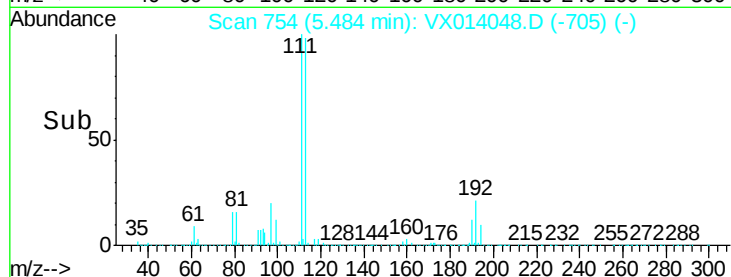
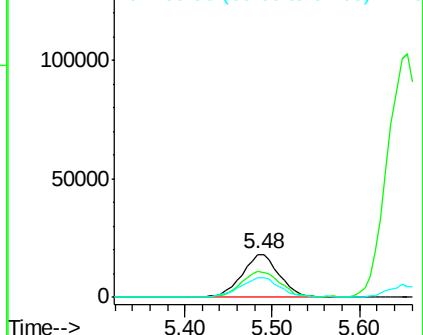
61 47.2 36.7 55.1



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.177 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014048.D

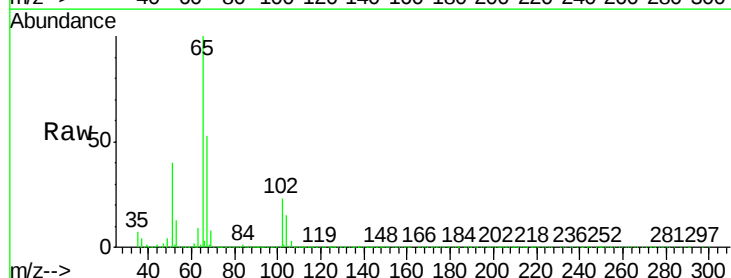
Acq: 16 Dec 2019 20:17

Tgt Ion: 65 Resp: 314318

Ion Ratio Lower Upper

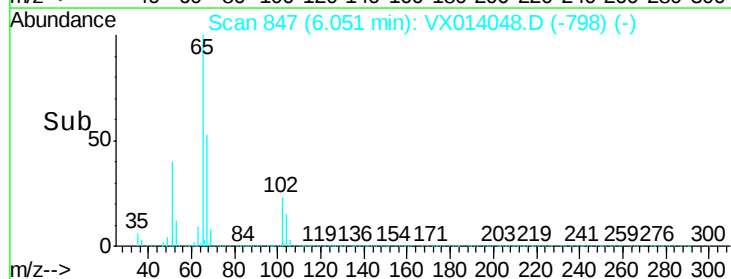
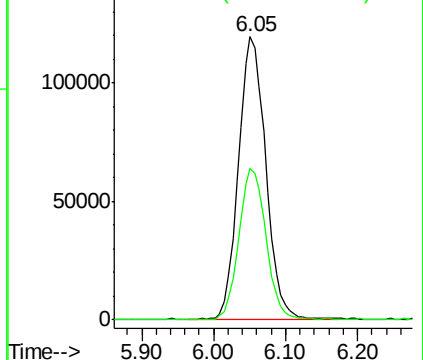
65 100

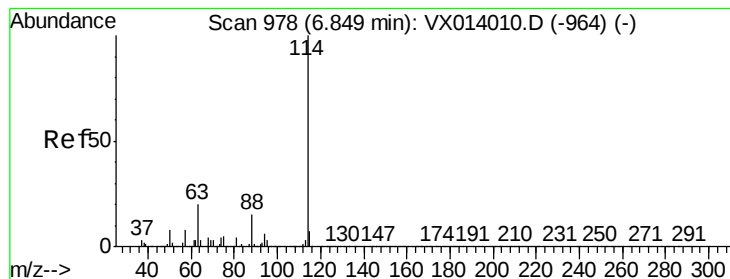
67 53.4 0.0 106.4



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: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

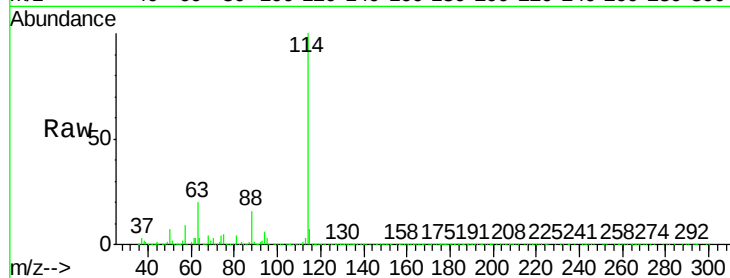
Tot Ion:114 Resp: 860369

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

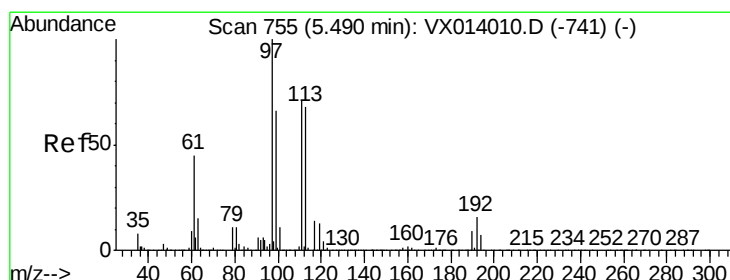
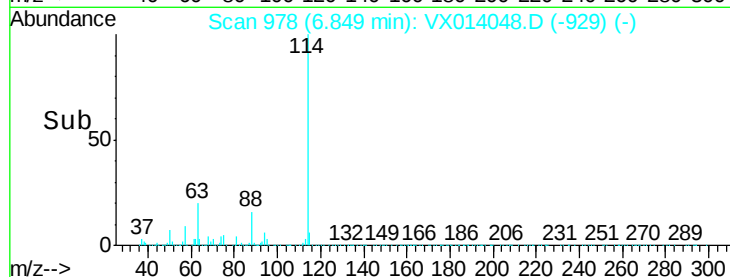
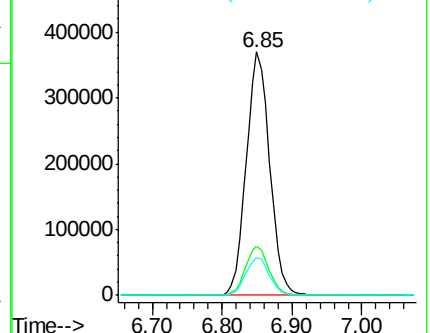
88 15.6 0.0 30.4



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: 50.581 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014048.D

Acq: 16 Dec 2019 20:17

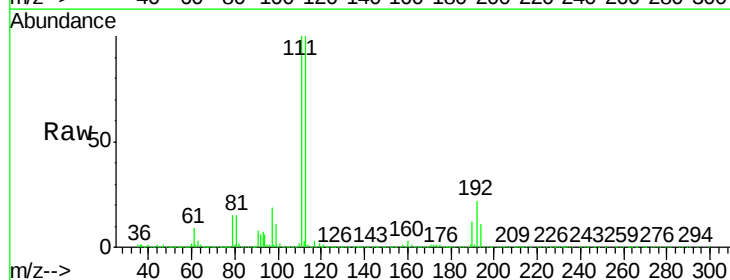
Tgt Ion:113 Resp: 264543

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

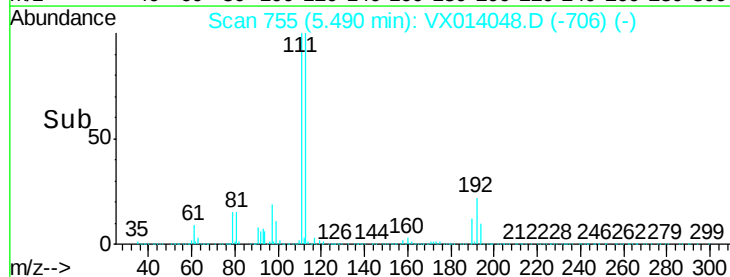
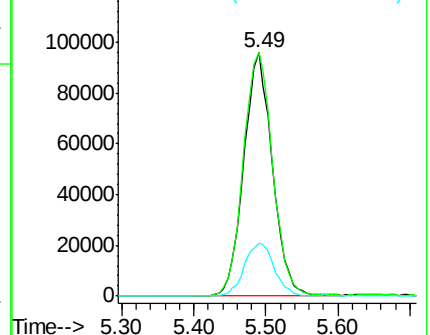
192 22.7 19.3 28.9

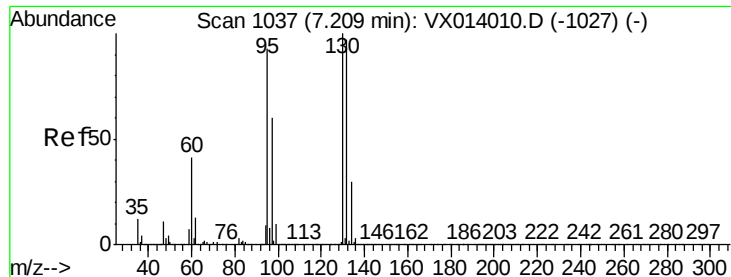


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 75.655 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

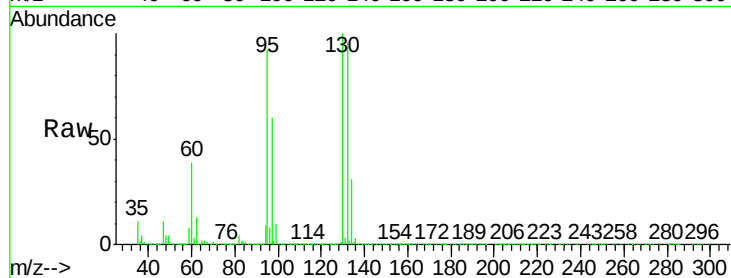
MW201D-20191207

Tot Ion:130 Resp: 507577

Ion Ratio Lower Upper

130 100

95 92.1 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

250000

200000

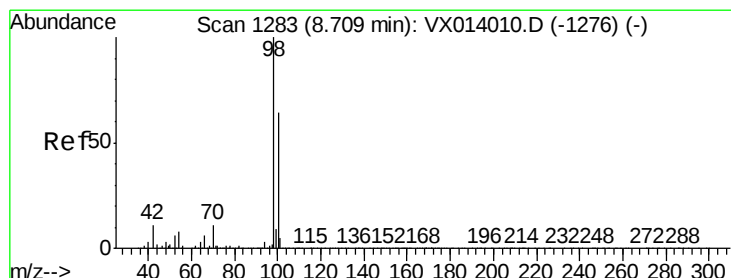
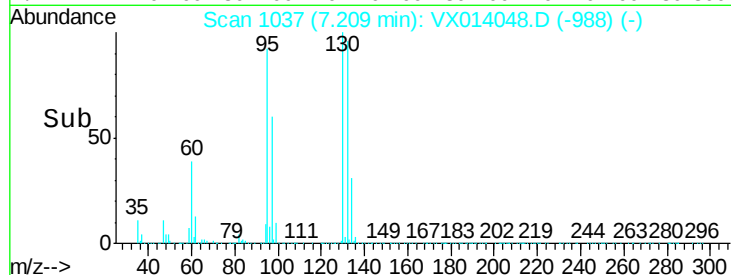
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 50.189 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014048.D

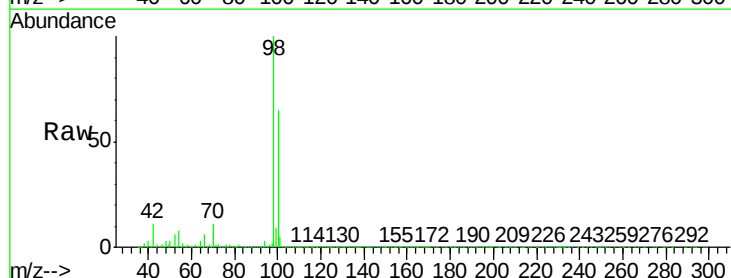
Acq: 16 Dec 2019 20:17

Tgt Ion: 98 Resp: 1021953

Ion Ratio Lower Upper

98 100

100 65.4 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

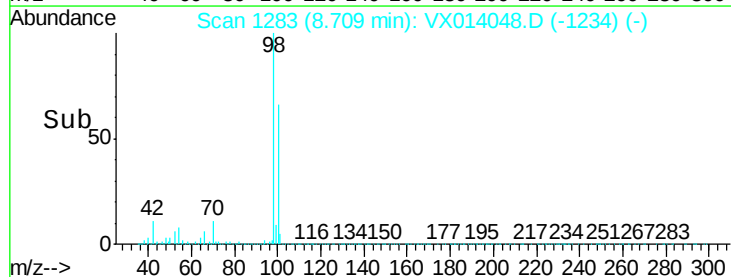
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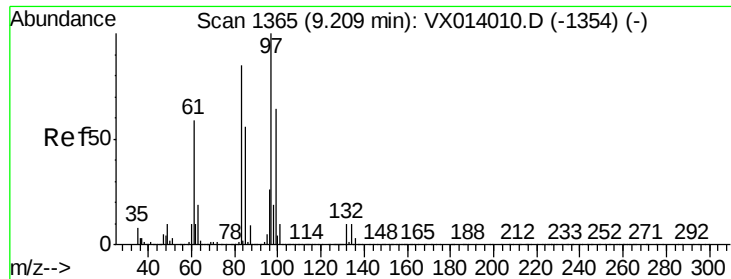
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200000

0

Time-->

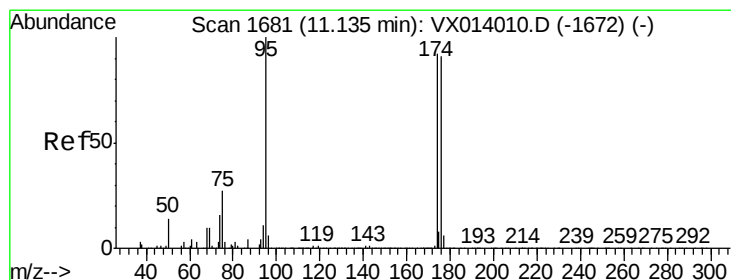
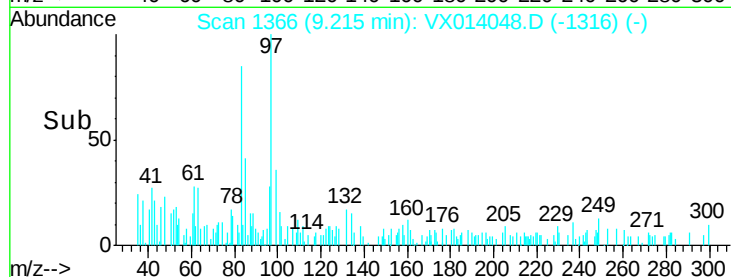
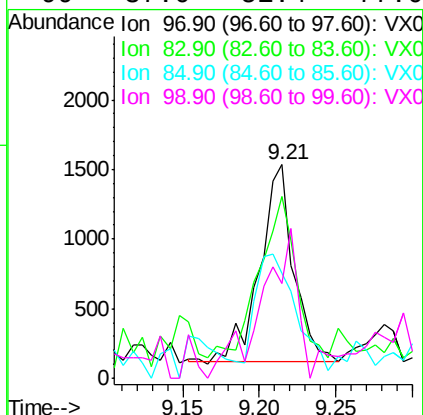
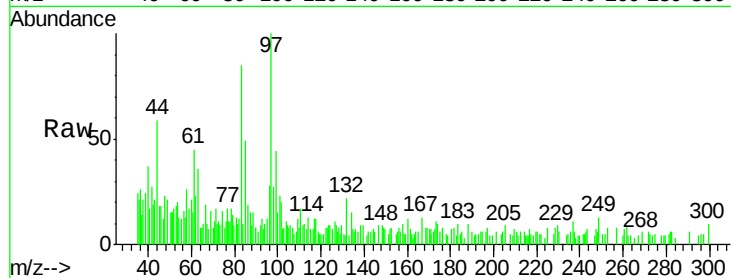




#55
 1,1,2-Trichloroethane
 Concen: 0.353 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX014048.D
 Acq: 16 Dec 2019 20:17

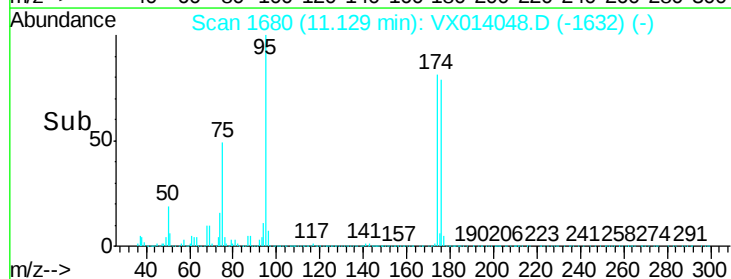
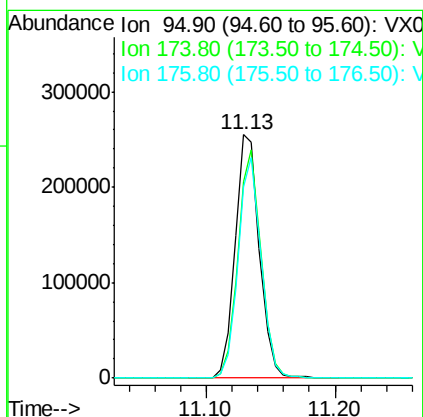
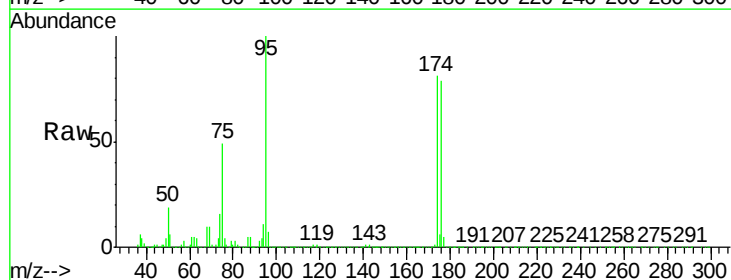
Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D-20191207

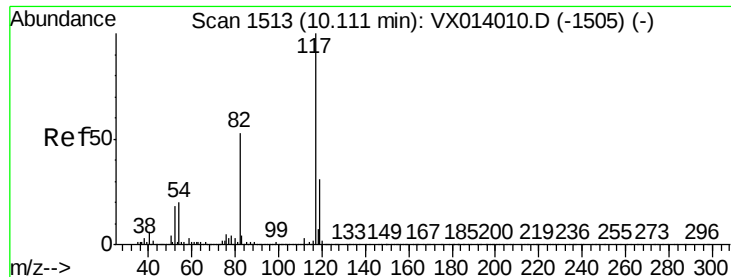
Tot Ion:	97	Resp:	2174
Ion	Ratio	Lower	Upper
97	100		
83	66.8	68.2	102.4#
85	42.3	44.6	66.8#
99	37.0	51.4	77.0#



#62
 4-Bromofluorobenzene
 Concen: 44.790 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014048.D
 Acq: 16 Dec 2019 20:17

Tgt Ion:	95	Resp:	333386
Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	175.8
176	86.3	0.0	173.0

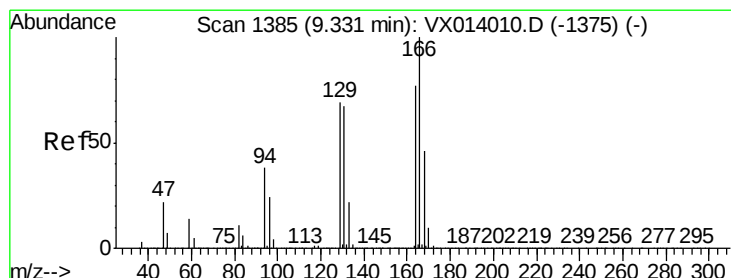
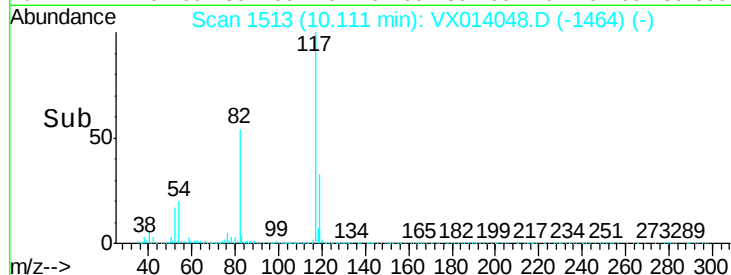
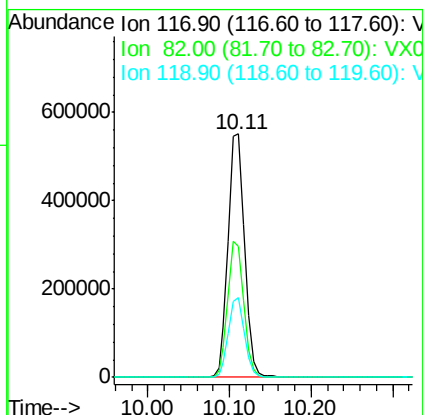
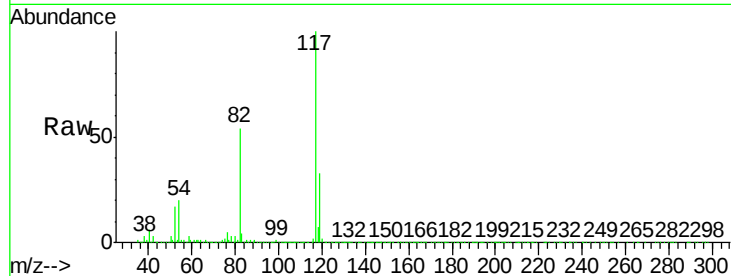




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

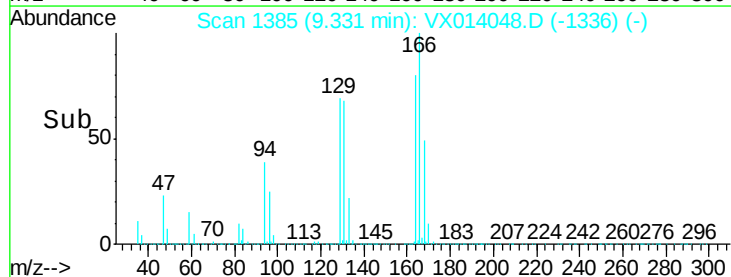
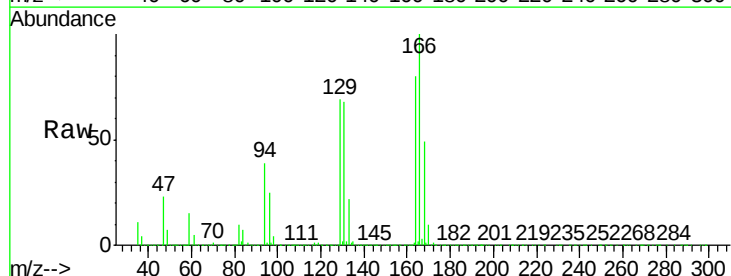
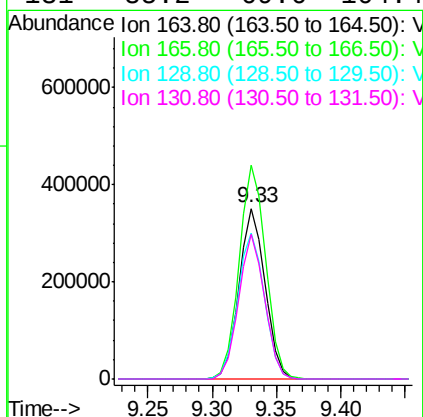
Instrument :
MSVOA_X
ClientSampleId :
MW201D-20191207

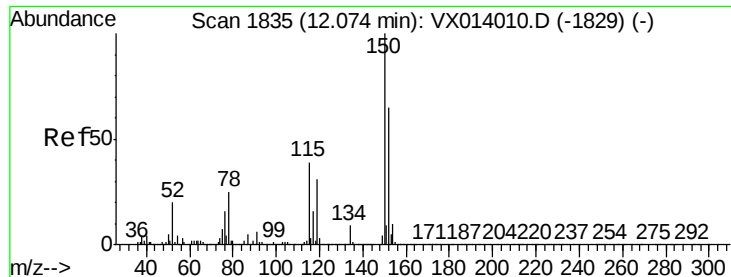
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.5	25.1	37.7



#64
Tetrachloroethene
Concen: 72.497 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014048.D
Acq: 16 Dec 2019 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	104.0	156.0
129	86.0	72.2	108.4
131	85.2	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: VX014048.D

Acq: 16 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MW201D-20191207

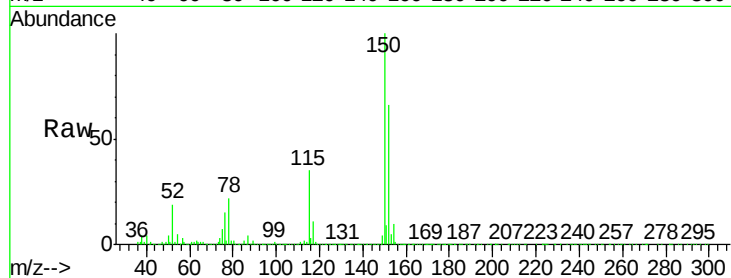
Tot Ion:152 Resp: 323111

Ion Ratio Lower Upper

152 100

115 55.3 38.3 114.9

150 155.1 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

