

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022519\
 Data File : VX007681.D
 Acq On : 25 Feb 2019 18:33
 Operator : JC/SP
 Sample : K1578-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-300-302

Quant Time: Feb 26 04:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	335307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	575532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	536921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	205556	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	
35) Dibromofluoromethane	5.51	113	189791	49.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.66%	
50) Toluene-d8	8.71	98	688718	46.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	11.13	95	233768	43.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.48%	

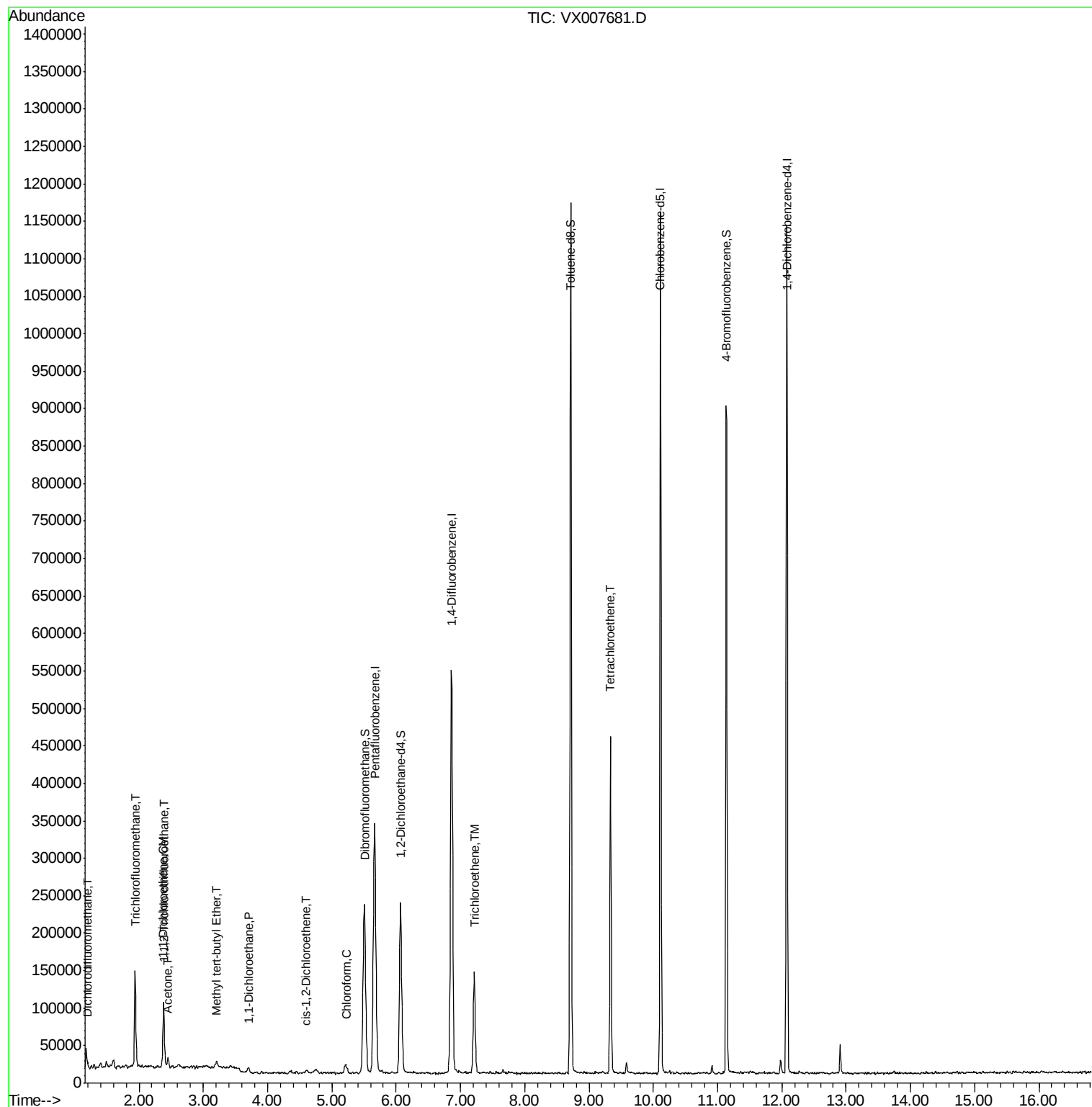
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4604	1.491	ug/l	99
7) Trichlorofluoromethane	1.94	101	85540	15.889	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4427	1.361	ug/l #	87
12) 1,1-Dichloroethene	2.38	96	27459	9.362	ug/l	98
16) Acetone	2.45	43	8672	4.695	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	8809	0.862	ug/l	96
24) 1,1-Dichloroethane	3.70	63	7171	1.169	ug/l #	86
27) cis-1,2-Dichloroethene	4.60	96	2582	0.636	ug/l	74
30) Chloroform	5.22	83	14716	2.239	ug/l #	82
44) Trichloroethene	7.21	130	54841	12.481	ug/l	93
64) Tetrachloroethene	9.34	164	86526	19.851	ug/l	94

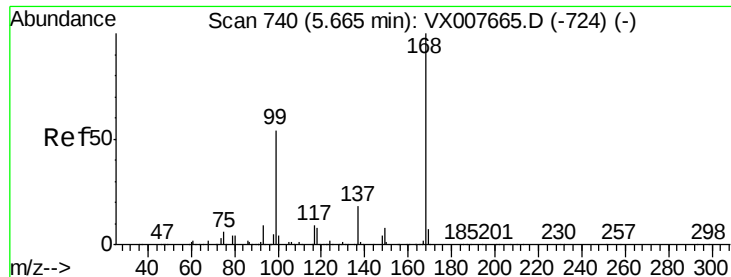
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

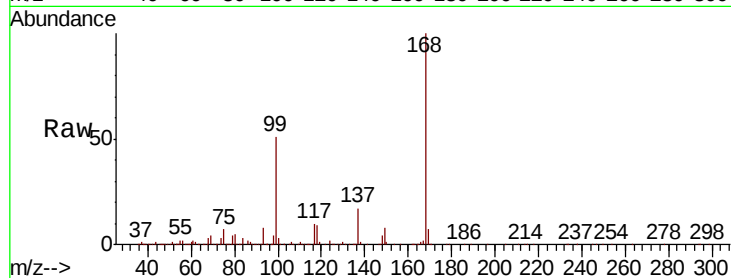
BP-VPB201-GW-300-302

Tot Ion:168 Resp: 335307

Ion Ratio Lower Upper

168 100

99 51.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VX007665.D (-724) (-)

Ion 98.90 (98.60 to 99.60): VX007665.D (-724) (-)

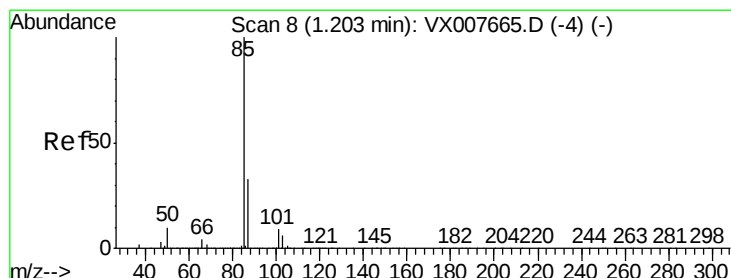
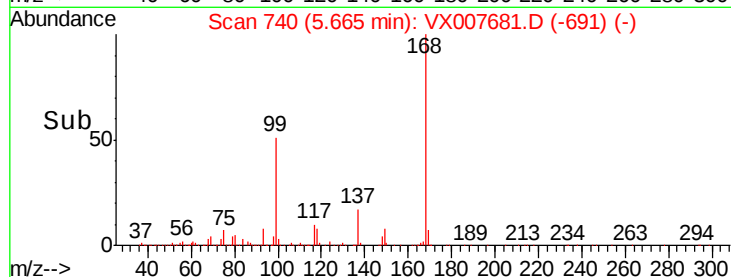
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.491 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX007681.D

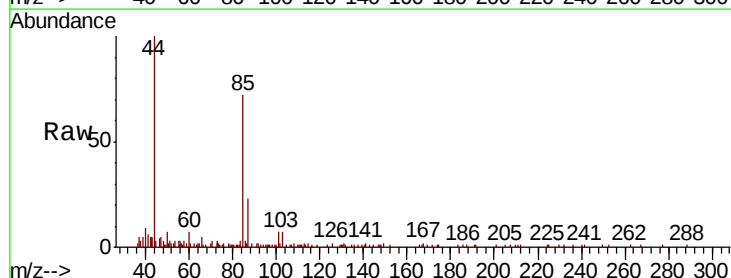
Acq: 25 Feb 2019 18:33

Tgt Ion: 85 Resp: 4604

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX007665.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VX007665.D (-4) (-)

1.20

5000

4000

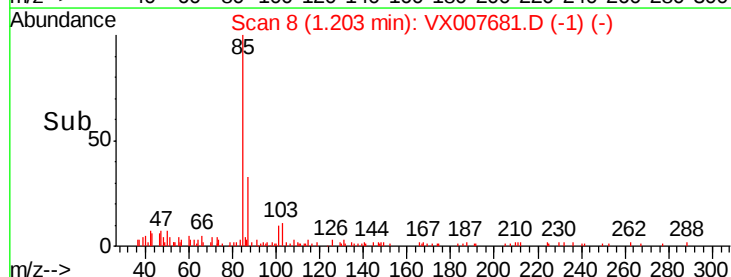
3000

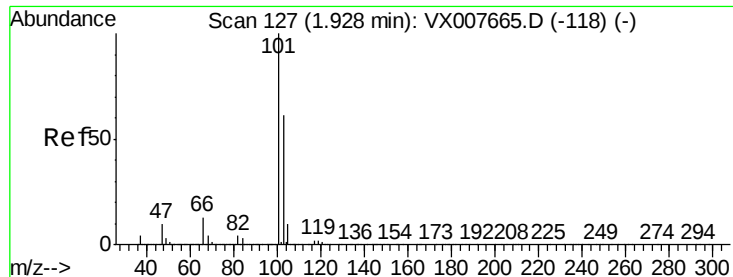
2000

1000

0

Time-->





#7

Trichlorofluoromethane

Concen: 15.889 ug/l

RT: 1.94 min Scan# 129

Delta R.T. 0.01 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

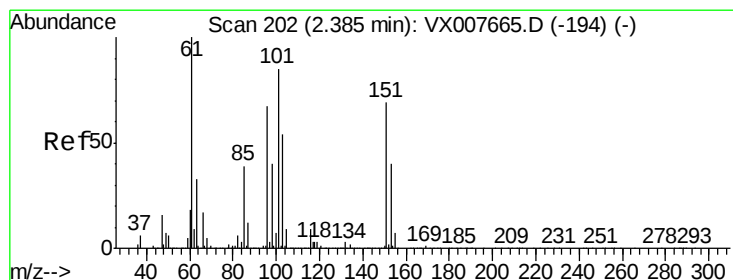
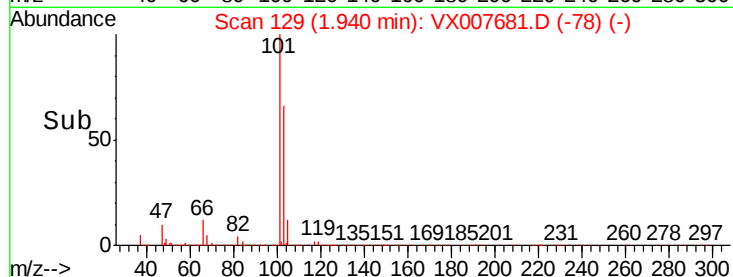
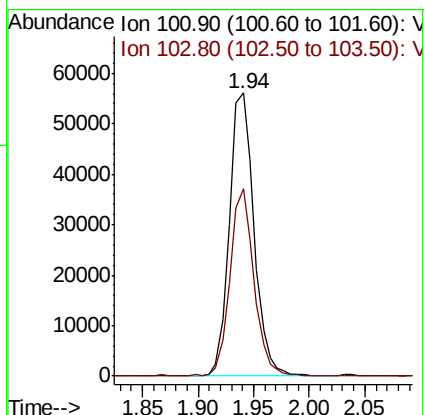
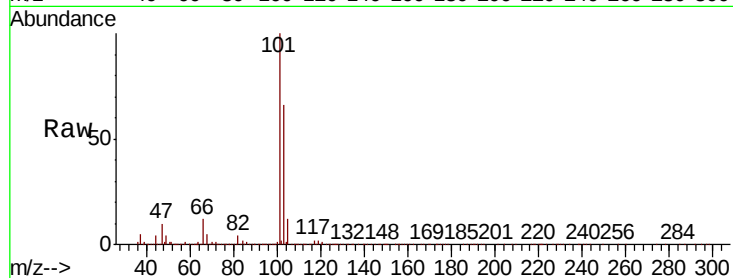
BP-VPB201-GW-300-302

Tot Ion:101 Resp: 85540

Ion Ratio Lower Upper

101 100

103 66.0 52.6 79.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.361 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

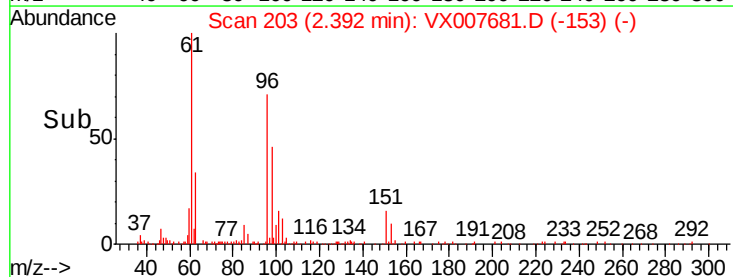
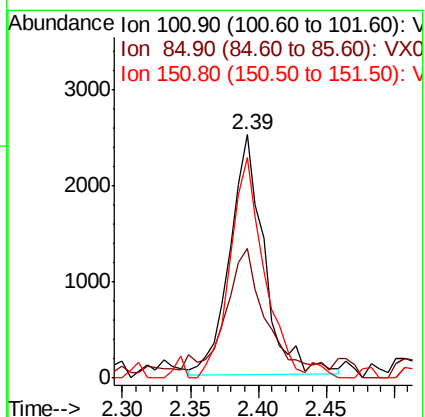
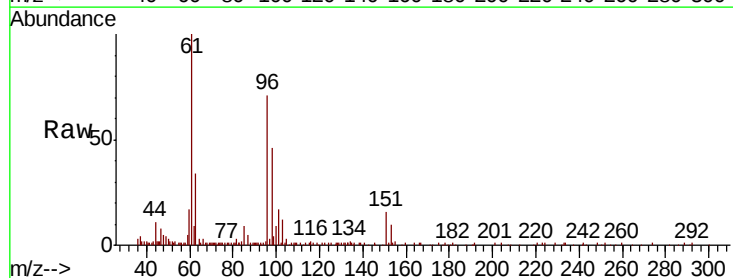
Tgt Ion:101 Resp: 4427

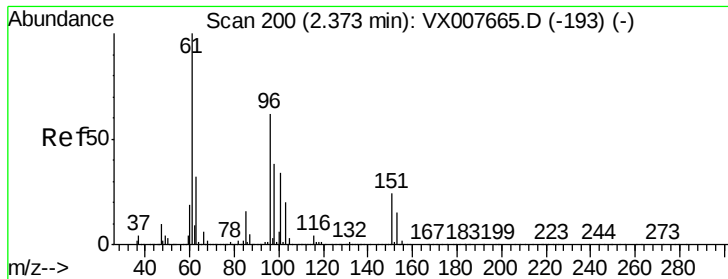
Ion Ratio Lower Upper

101 100

85 63.3 34.1 51.1#

151 90.5 69.9 104.9

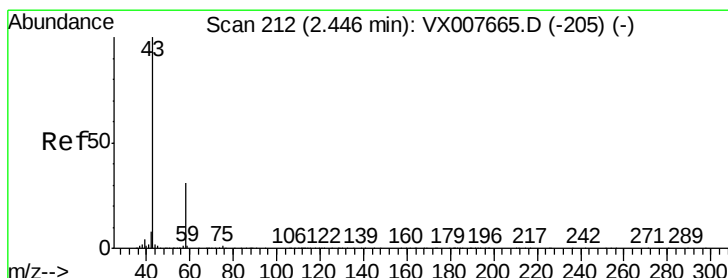
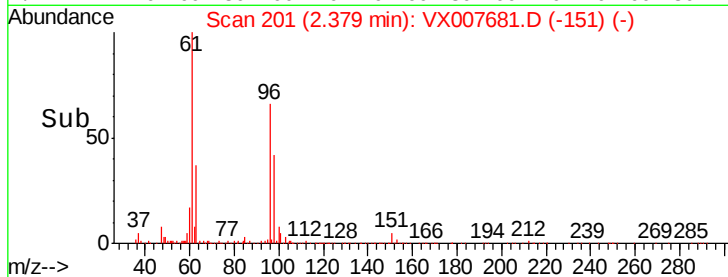
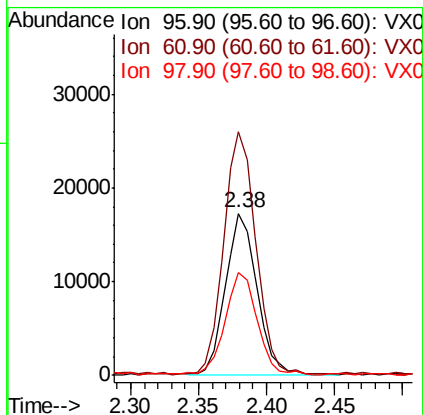
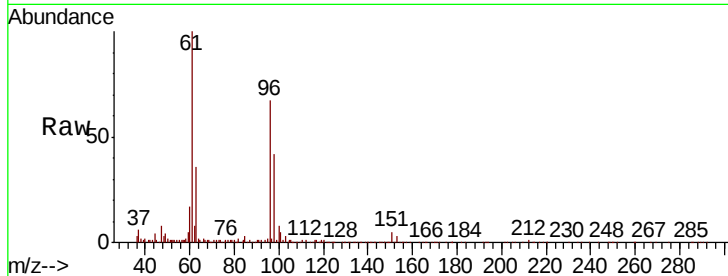




#12
 1,1-Dichloroethene
 Concen: 9.362 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007681.D
 Acq: 25 Feb 2019 18:33

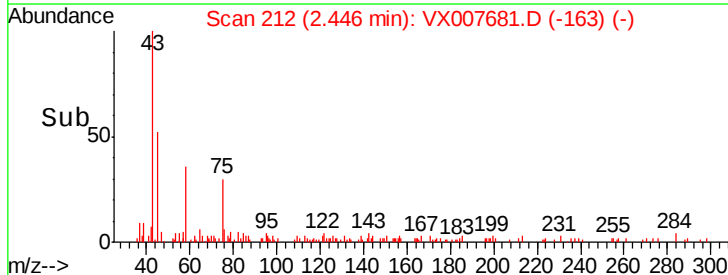
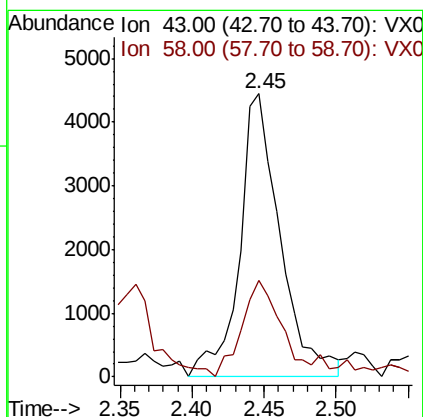
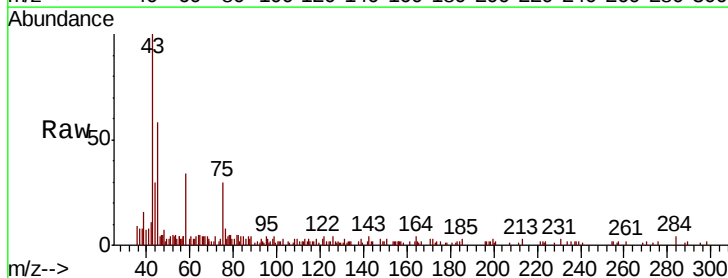
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-300-302

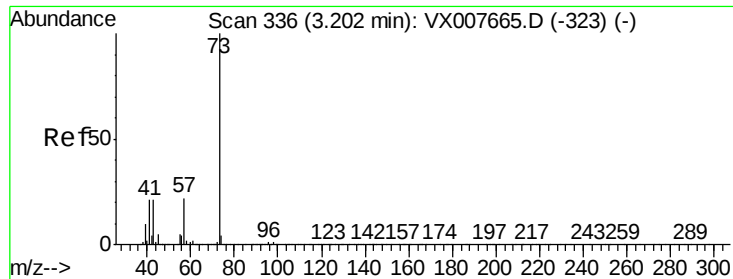
Tot Ion: 96 Resp: 27459
 Ion Ratio Lower Upper
 96 100
 61 150.4 123.0 184.4
 98 62.9 50.9 76.3



#16
 Acetone
 Concen: 4.695 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX007681.D
 Acq: 25 Feb 2019 18:33

Tgt Ion: 43 Resp: 8672
 Ion Ratio Lower Upper
 43 100
 58 30.6 24.9 37.3





#19

Methvl tert-butvl Ether

Concen: 0.862 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

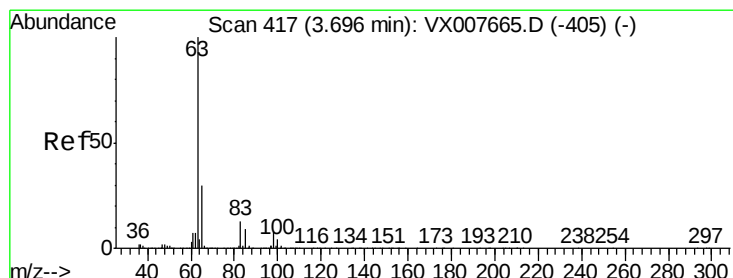
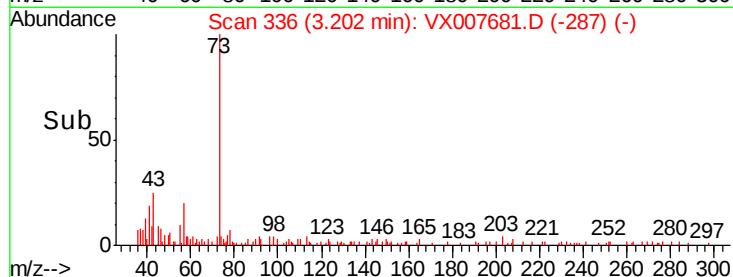
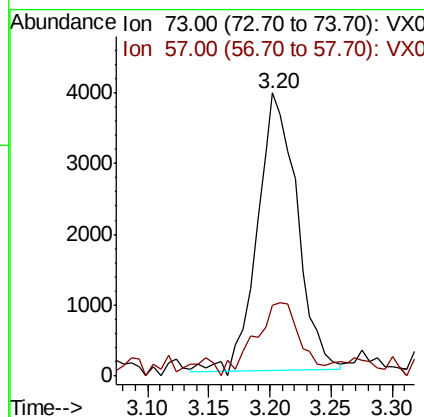
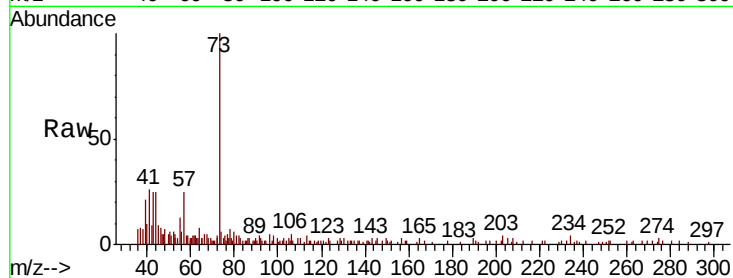
Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-300-302

Tot Ion: 73 Resp: 8809

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.8	26.8



#24

1,1-Dichloroethane

Concen: 1.169 ug/l

RT: 3.70 min Scan# 418

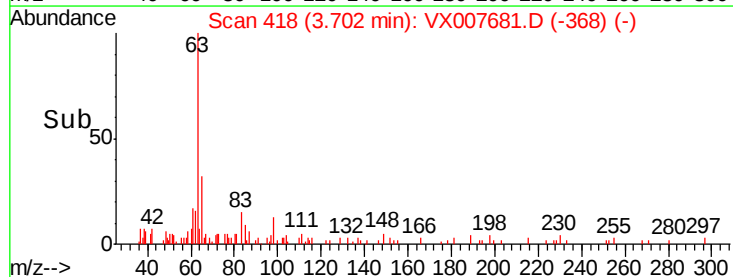
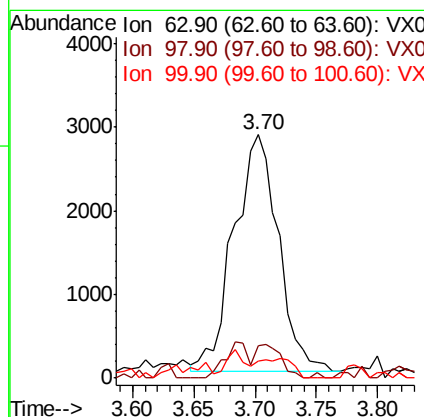
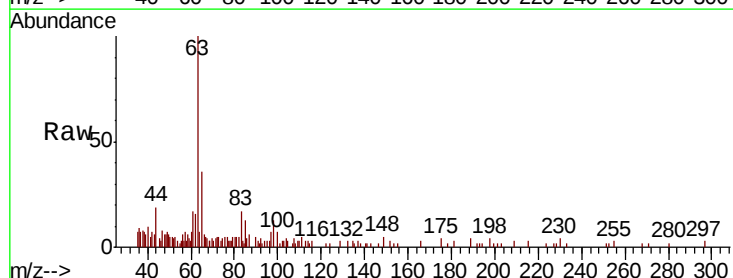
Delta R.T. 0.01 min

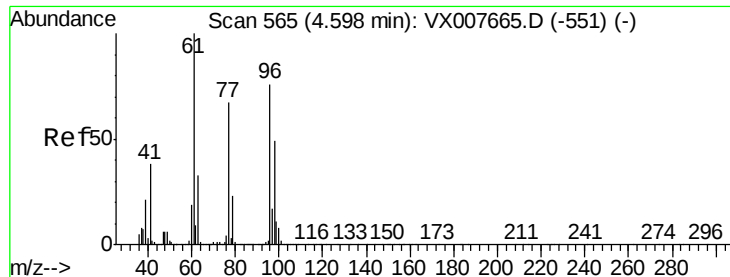
Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Tgt Ion: 63 Resp: 7171

Ion	Ratio	Lower	Upper
63	100		
98	13.6	3.6	10.8#
100	7.2	2.5	7.4





#27

cis-1,2-Dichloroethene

Concen: 0.636 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-300-302

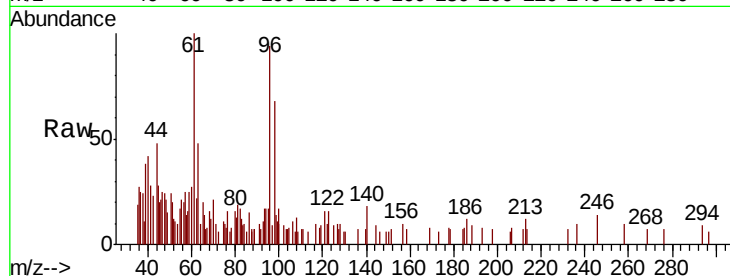
Tot Ion: 96 Resp: 2582

Ion Ratio Lower Upper

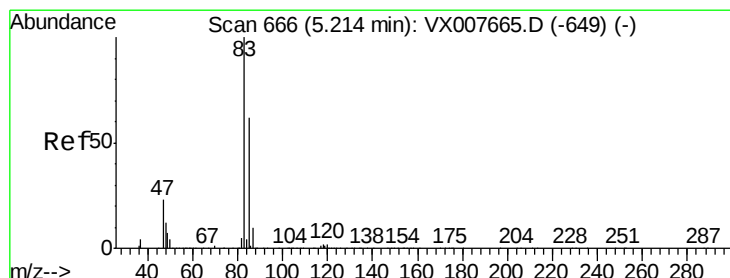
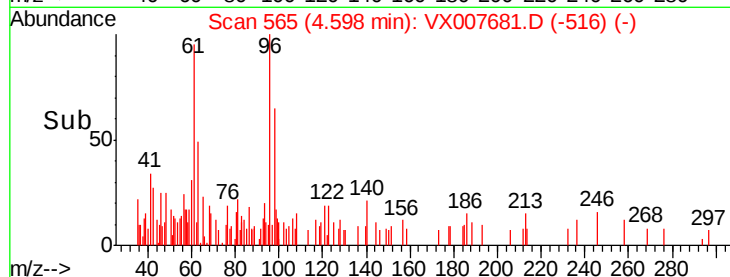
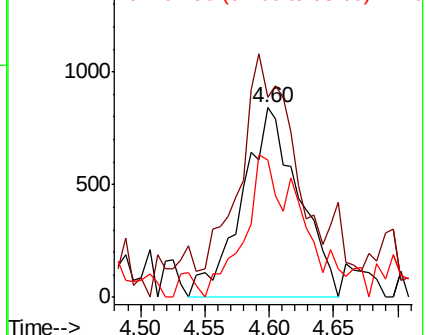
96 100

61 102.6 0.0 265.6

98 45.7 0.0 131.6



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



#30

Chloroform

Concen: 2.239 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX007681.D

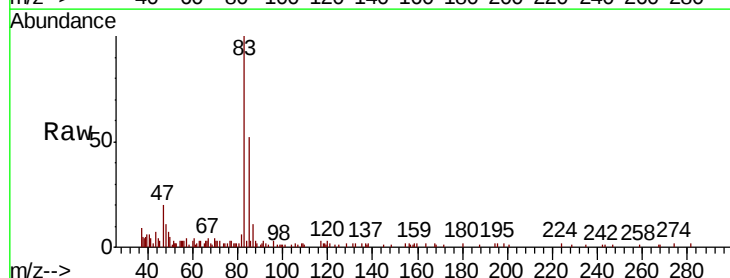
Acq: 25 Feb 2019 18:33

Tgt Ion: 83 Resp: 14716

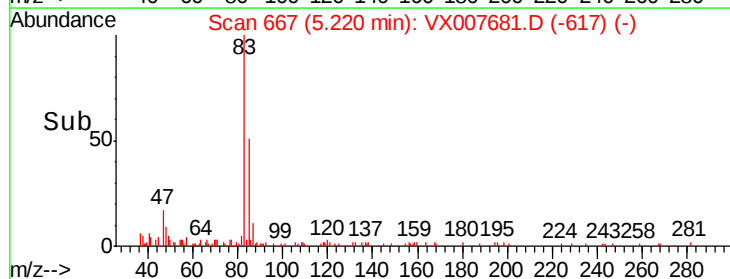
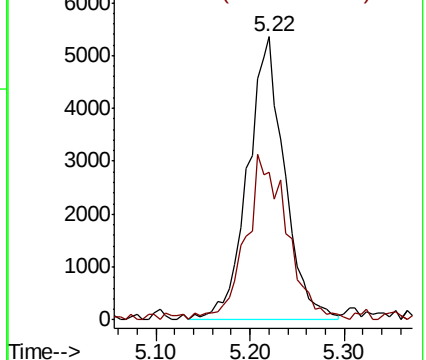
Ion Ratio Lower Upper

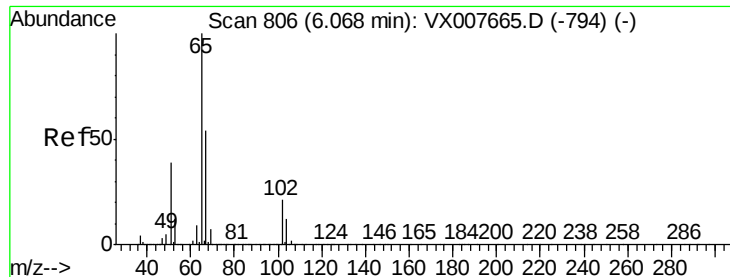
83 100

85 50.3 51.6 77.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.491 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

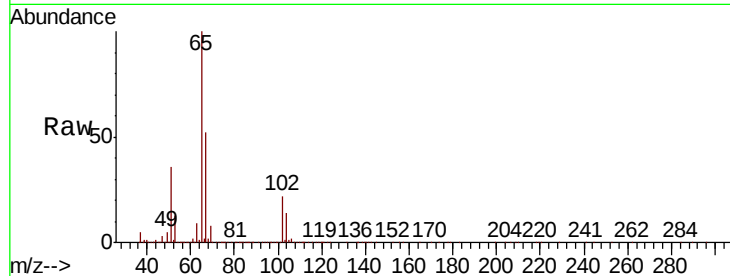
BP-VPB201-GW-300-302

Tot Ion: 65 Resp: 205556

Ion Ratio Lower Upper

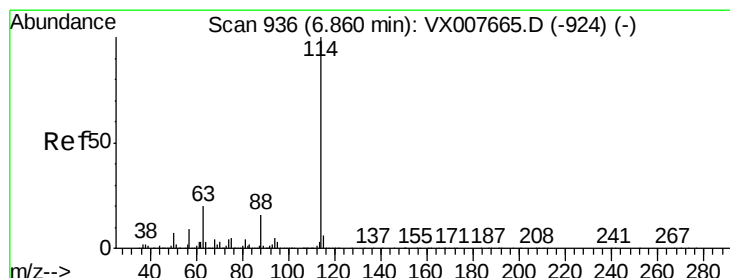
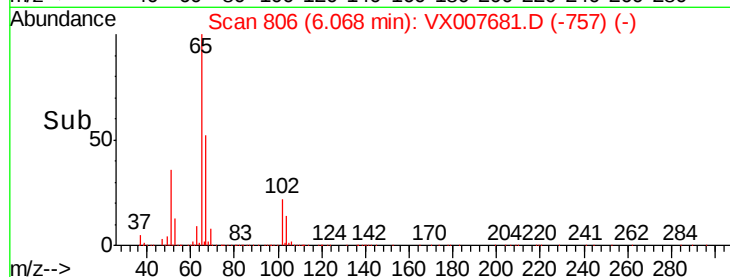
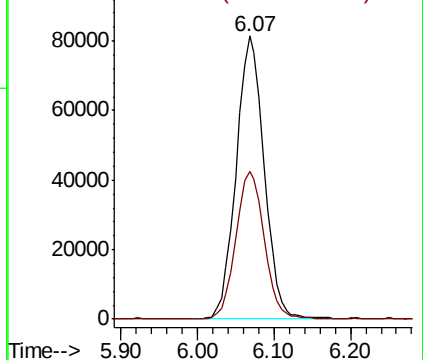
65 100

67 52.9 0.0 108.8



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: VX007681.D

Acq: 25 Feb 2019 18:33

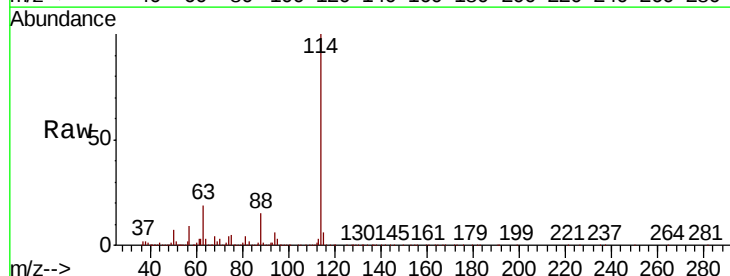
Tgt Ion: 114 Resp: 575532

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.6

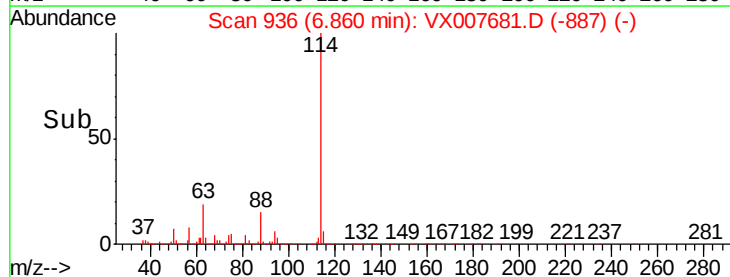
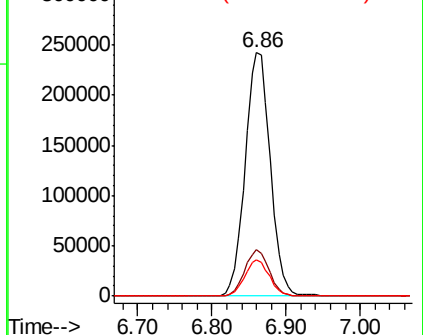
88 15.0 0.0 29.6

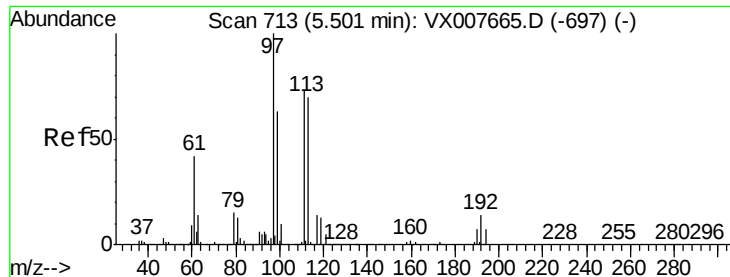


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.332 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-300-302

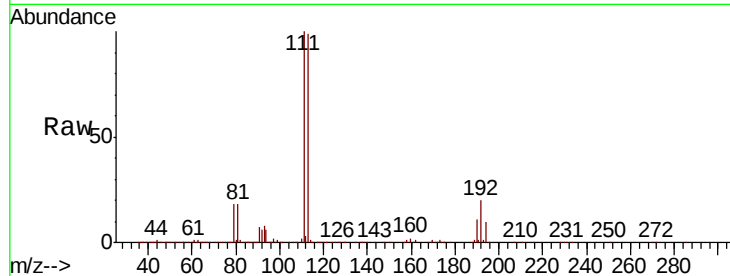
Tot Ion:113 Resp: 189791

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

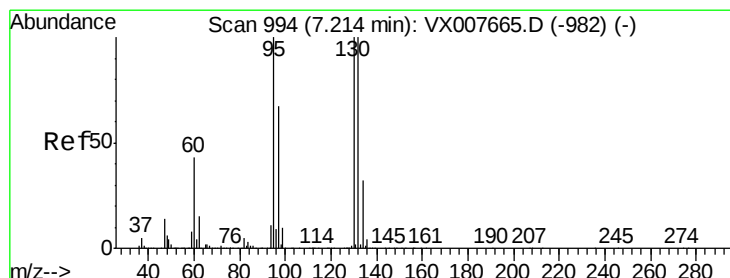
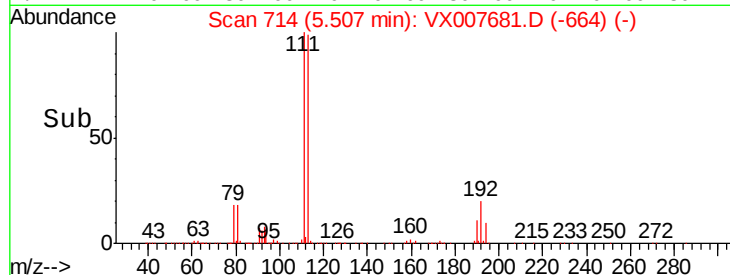
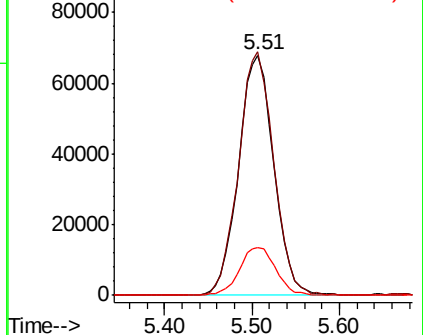
192 20.7 18.5 27.7



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: 12.481 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007681.D

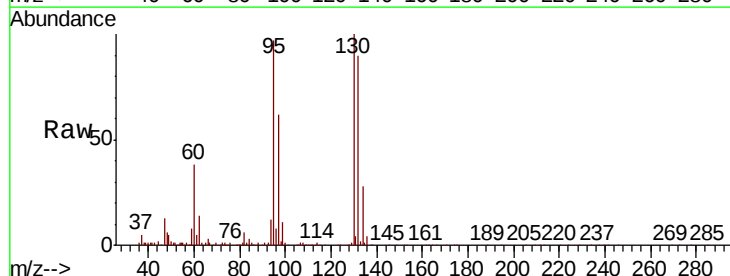
Acq: 25 Feb 2019 18:33

Tgt Ion:130 Resp: 54841

Ion Ratio Lower Upper

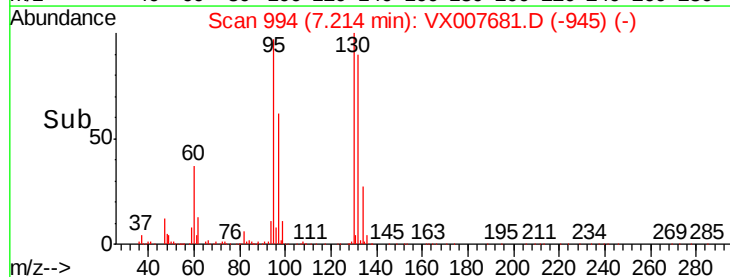
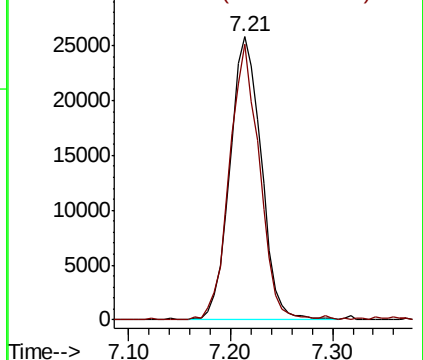
130 100

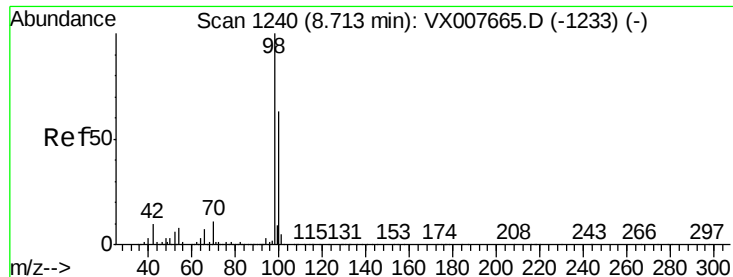
95 97.0 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

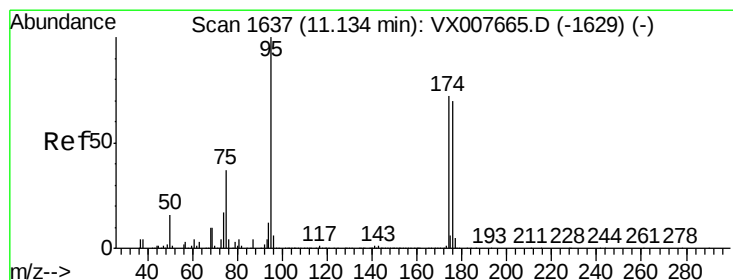
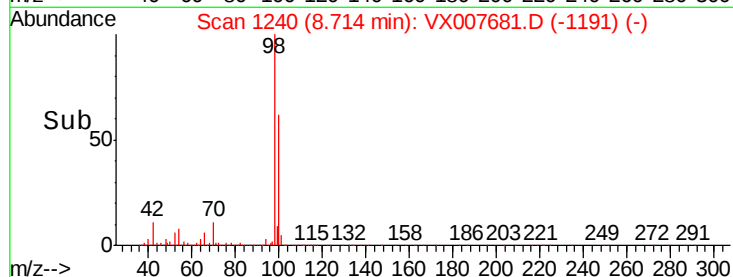
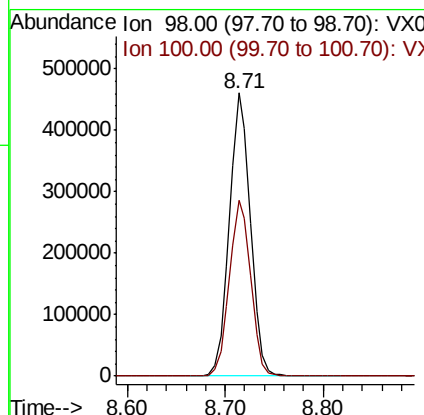
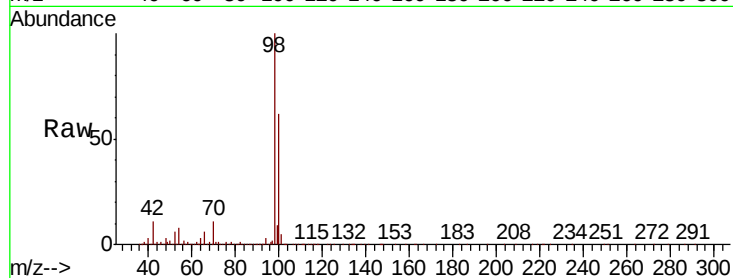




#50
Toluene-d8
Concen: 46.760 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007681.D
Acq: 25 Feb 2019 18:33

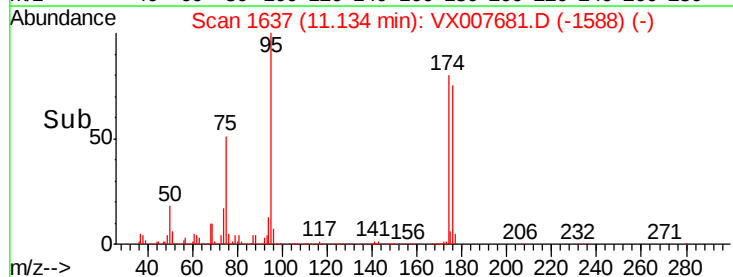
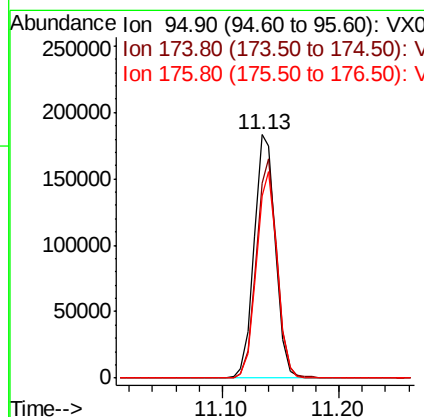
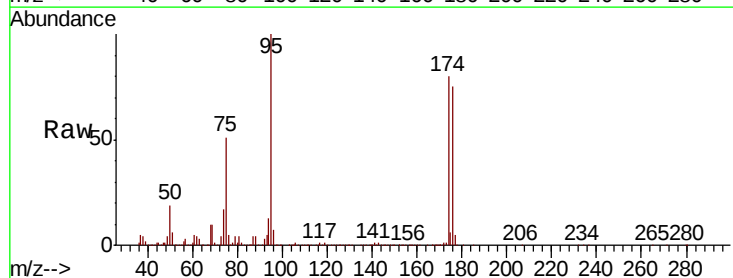
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-300-302

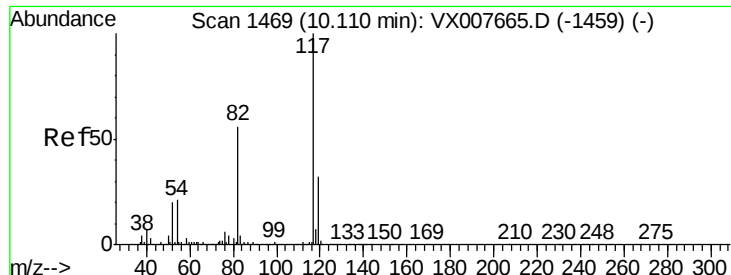
Tot Ion: 98 Resp: 688718
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 43.243 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007681.D
Acq: 25 Feb 2019 18:33

Tgt Ion: 95 Resp: 233768
Ion Ratio Lower Upper
95 100
174 88.0 0.0 189.2
176 82.8 0.0 186.2

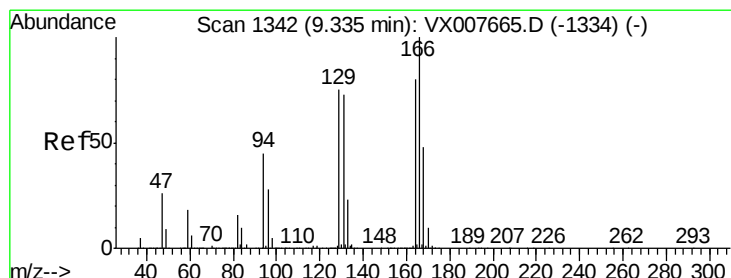
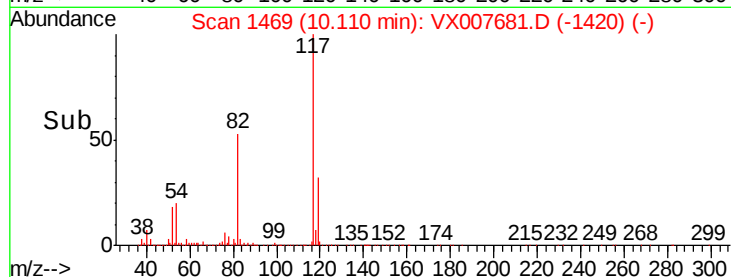
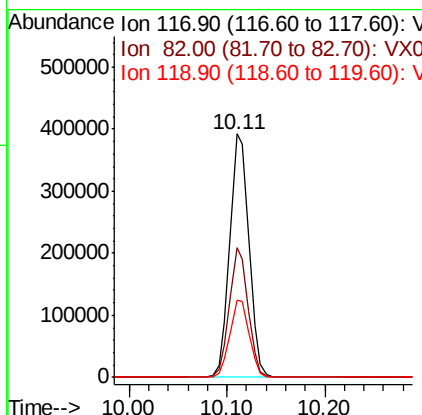
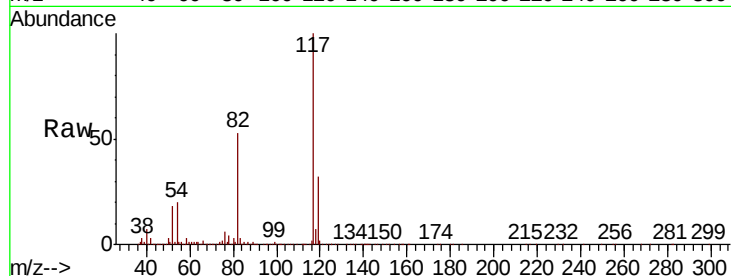




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007681.D
Acq: 25 Feb 2019 18:33

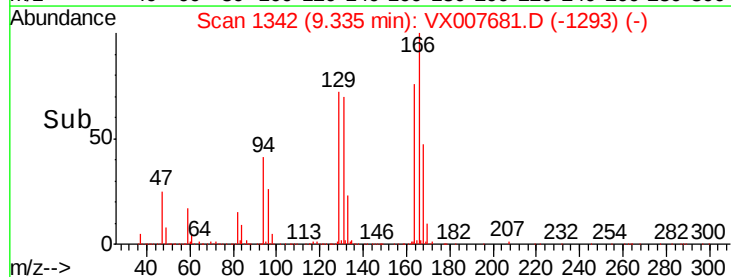
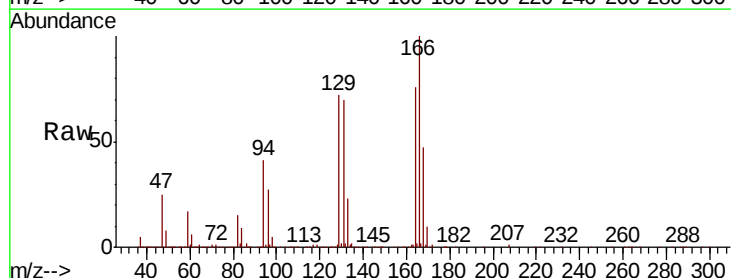
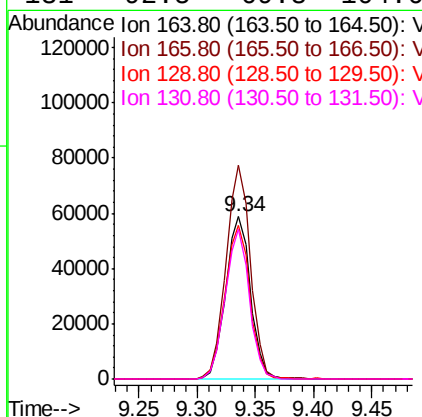
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-300-302

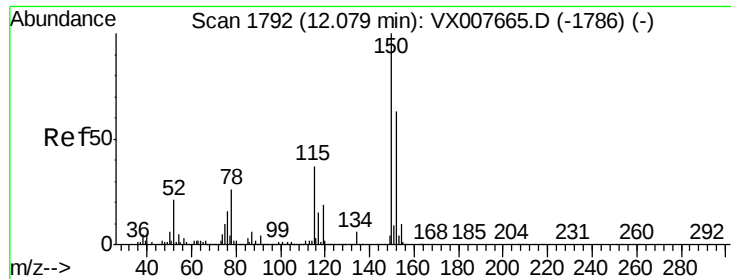
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	31.6	26.5	39.7



#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007681.D
Acq: 25 Feb 2019 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	101.0	151.4
129	94.7	70.5	105.7
131	92.5	69.8	104.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007681.D

Acq: 25 Feb 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-300-302

Tot Ion:152 Resp: 242572

Ion Ratio Lower Upper

152 100

115 55.9 38.0 114.0

150 153.6 0.0 346.4

