

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007692.D
 Acq On : 26 Feb 2019 03:48
 Operator : JC/SP
 Sample : K1578-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-340-342

Quant Time: Feb 26 05:29:08 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	355306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	604159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	563666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260881	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	215983	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
35) Dibromofluoromethane	5.51	113	198988	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	726374	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
62) 4-Bromofluorobenzene	11.13	95	256960	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

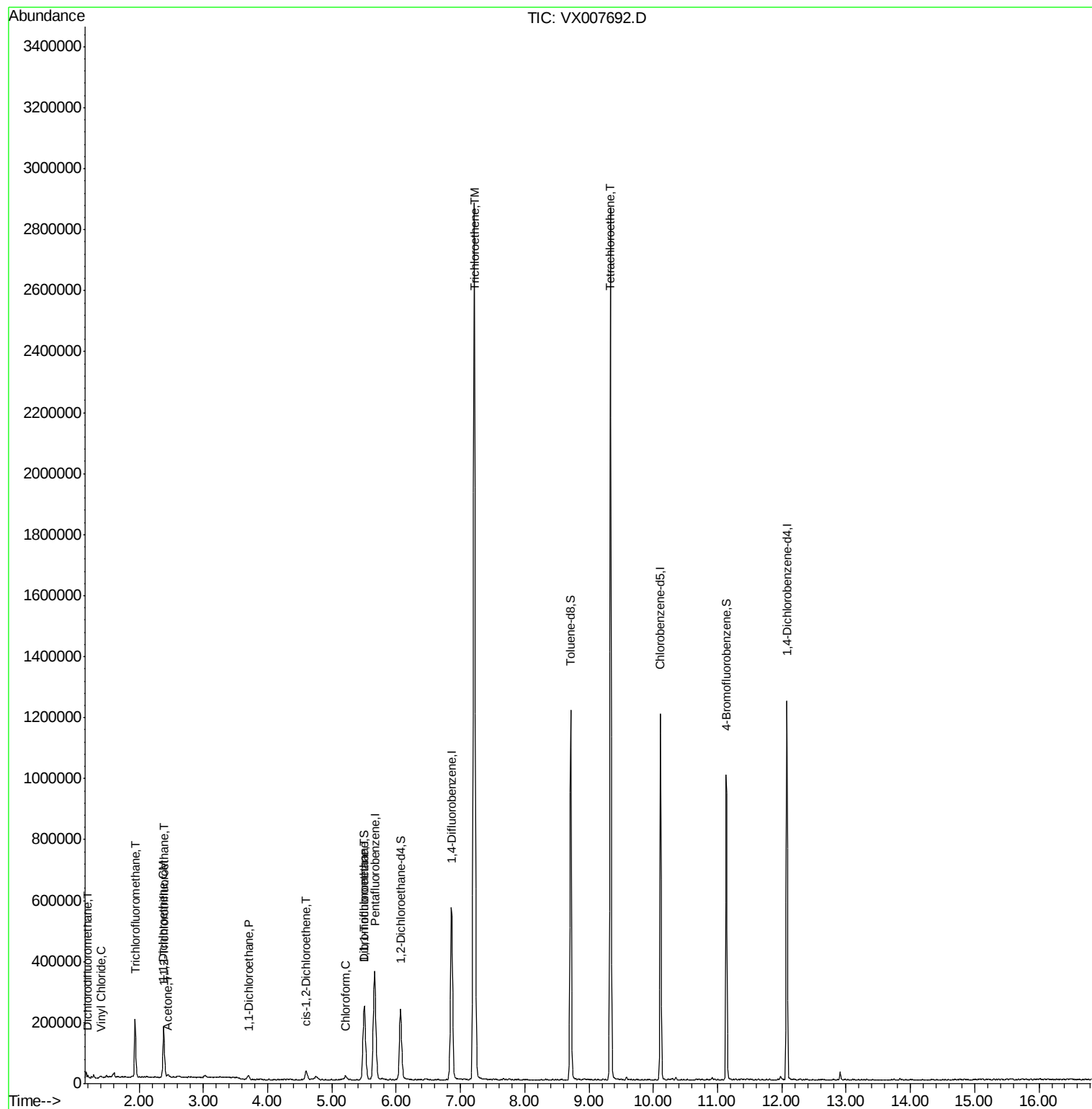
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4504	1.376	ug/l	98
4) Vinyl Chloride	1.41	62	2554	0.686	ug/l	98
7) Trichlorofluoromethane	1.94	101	127504	22.351	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17858	5.179	ug/l	91
12) 1,1-Dichloroethene	2.38	96	46561	14.981	ug/l	95
16) Acetone	2.45	43	7292	3.726	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	13428	2.065	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	18757	4.363	ug/l	88
30) Chloroform	5.21	83	13445	1.931	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	11088	1.925	ug/l	95
44) Trichloroethene	7.21	130	1122255	243.311	ug/l	95
64) Tetrachloroethene	9.34	164	540655	118.152	ug/l	95

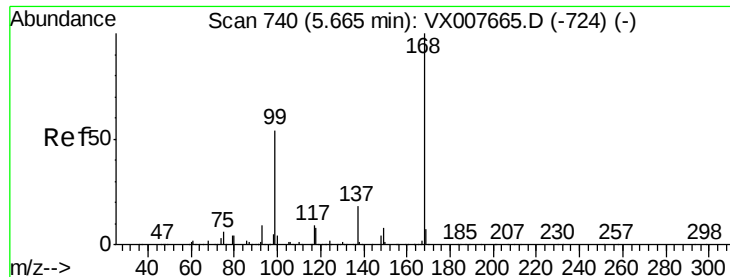
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022519\
Data File : VX007692.D
Acq On : 26 Feb 2019 03:48
Operator : JC/SP
Sample : K1578-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-340-342

Quant Time: Feb 26 05:29:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

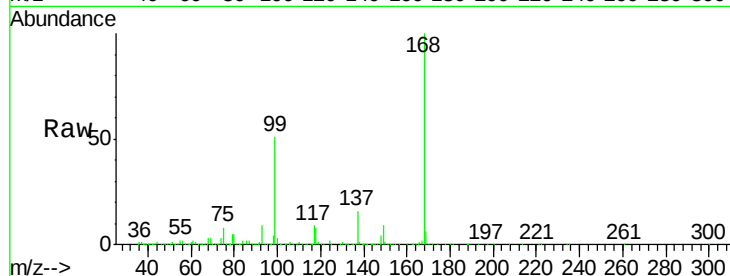
BP-VPB201-GW-340-342

Tot Ion:168 Resp: 355306

Ion Ratio Lower Upper

168 100

99 50.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

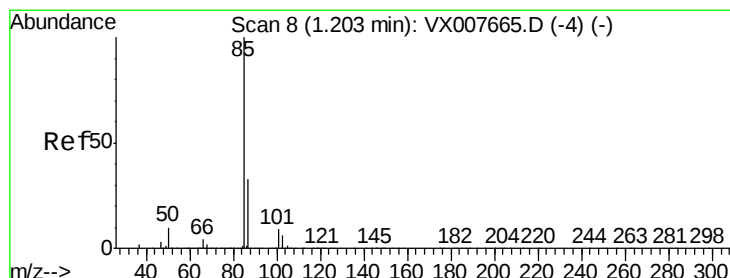
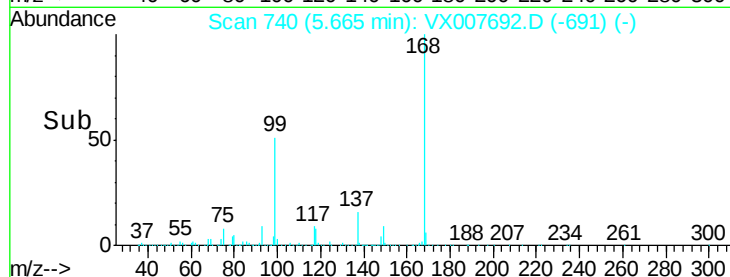
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.376 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007692.D

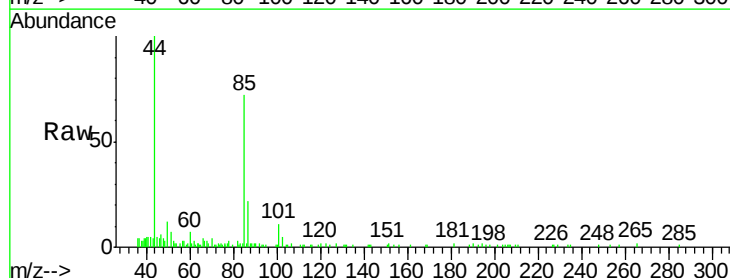
Acq: 26 Feb 2019 03:48

Tgt Ion: 85 Resp: 4504

Ion Ratio Lower Upper

85 100

87 30.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

5000

4000

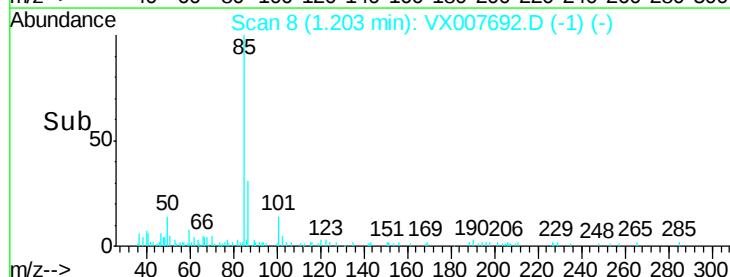
3000

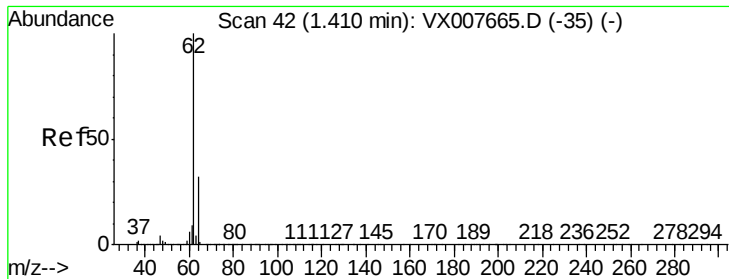
2000

1000

0

Time--> 1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 0.686 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

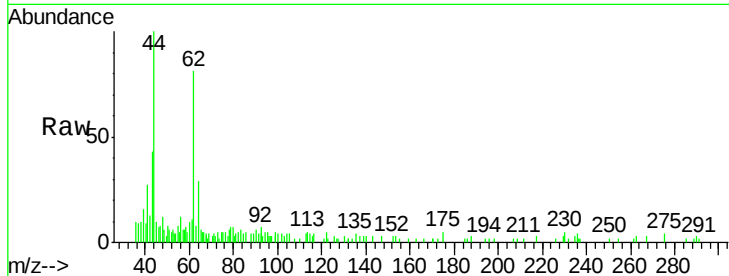
BP-VPB201-GW-340-342

Tot Ion: 62 Resp: 2554

Ion Ratio Lower Upper

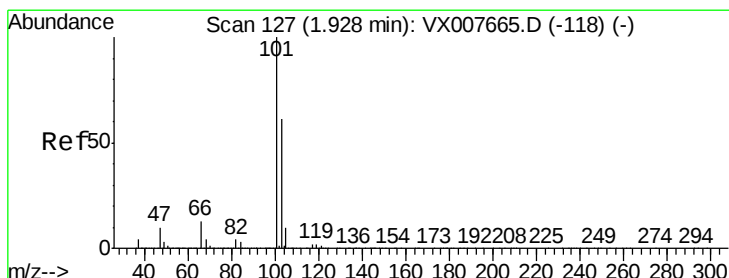
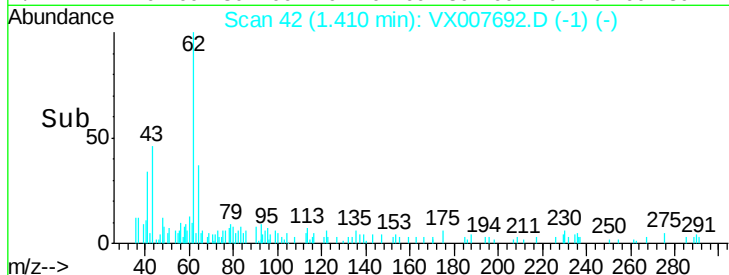
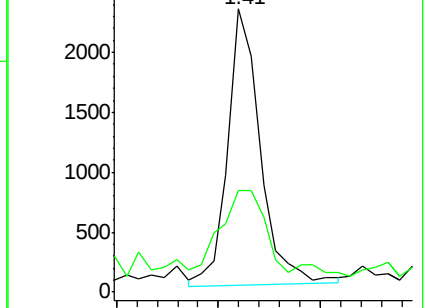
62 100

64 30.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#7

Trichlorofluoromethane

Concen: 22.351 ug/l

RT: 1.94 min Scan# 129

Delta R.T. 0.01 min

Lab File: VX007692.D

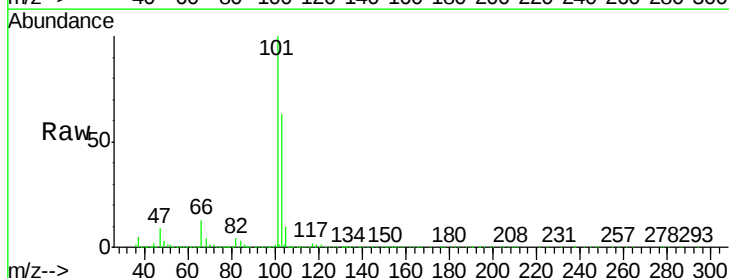
Acq: 26 Feb 2019 03:48

Tgt Ion: 101 Resp: 127504

Ion Ratio Lower Upper

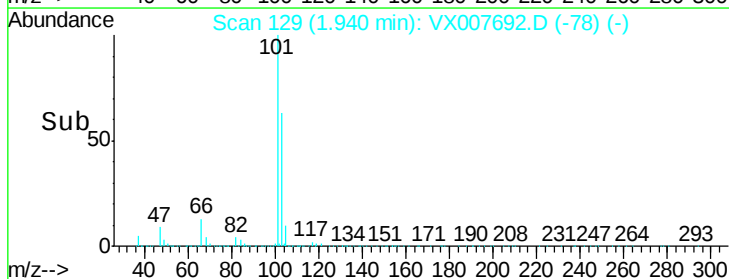
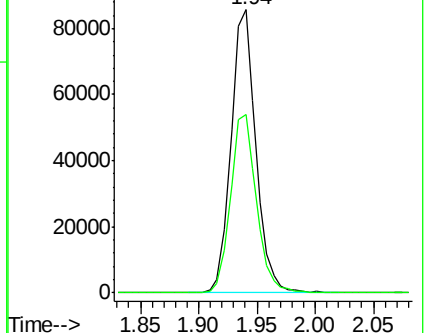
101 100

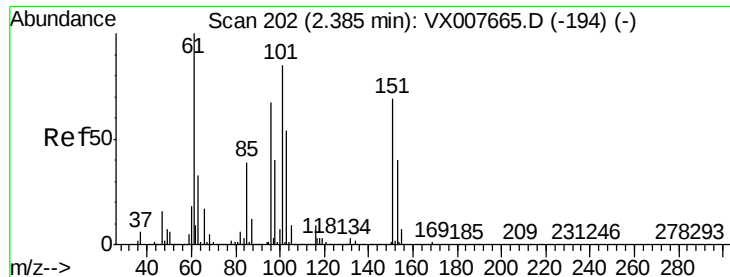
103 63.0 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.179 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-340-342

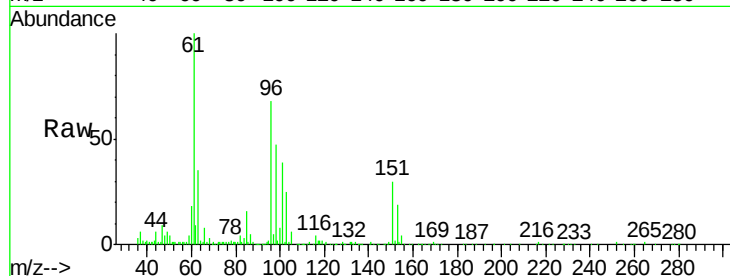
Tot Ion:101 Resp: 17858

Ion Ratio Lower Upper

101 100

85 46.2 34.1 51.1

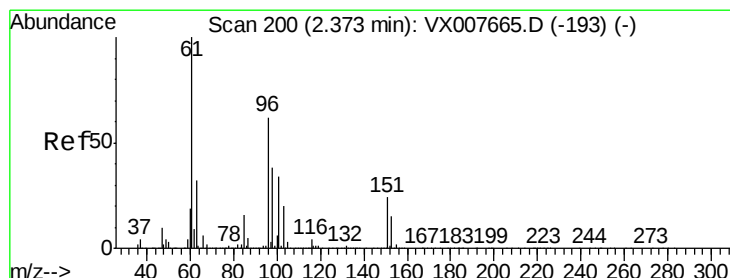
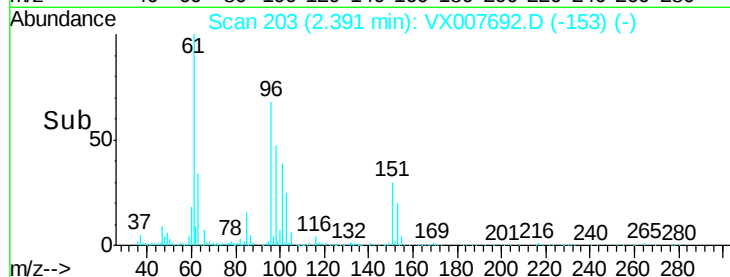
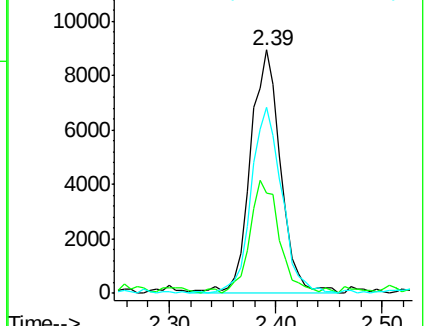
151 77.5 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 14.981 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

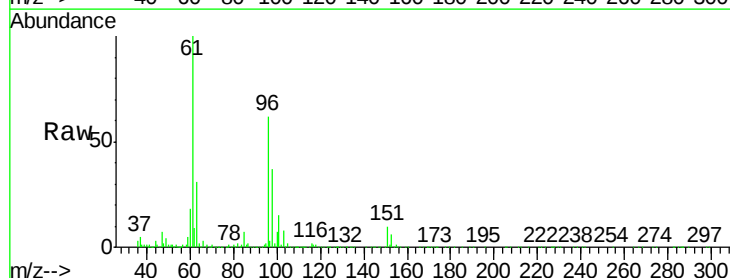
Tgt Ion: 96 Resp: 46561

Ion Ratio Lower Upper

96 100

61 160.5 123.0 184.4

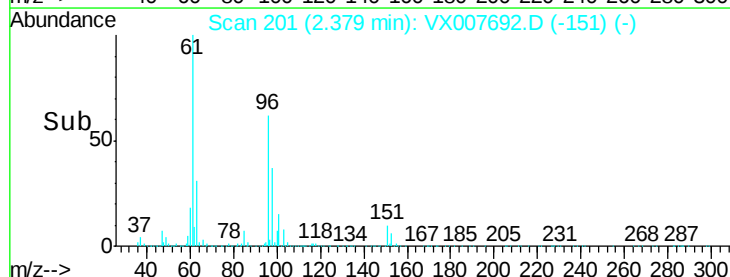
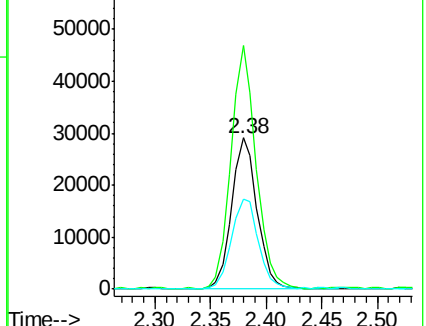
98 59.2 50.9 76.3

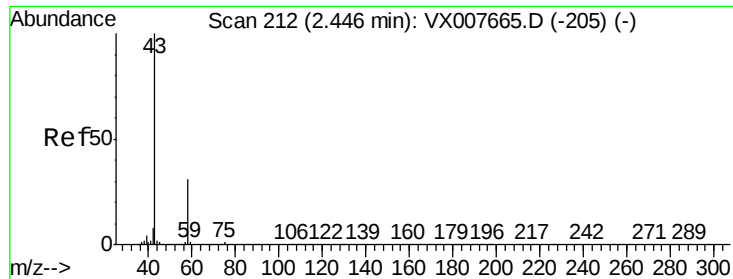


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 3.726 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

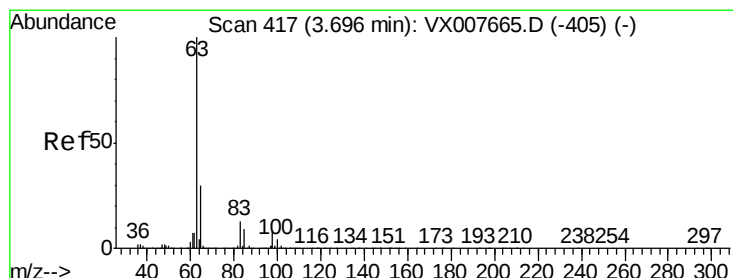
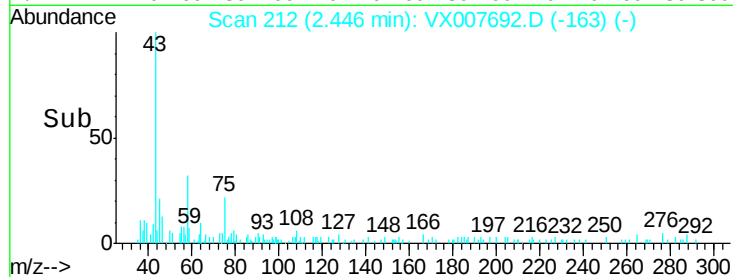
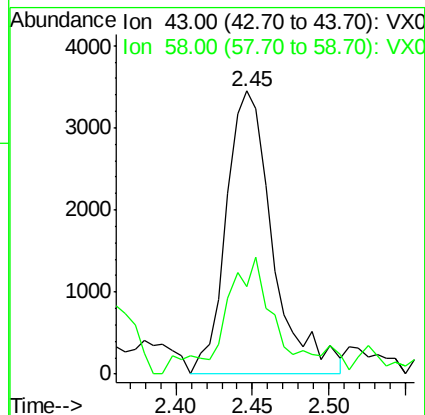
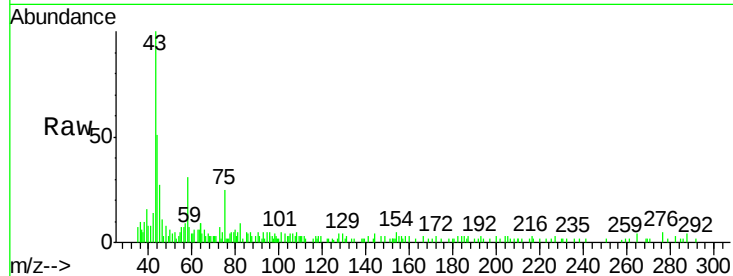
BP-VPB201-GW-340-342

Tot Ion: 43 Resp: 7292

Ion Ratio Lower Upper

43 100

58 24.4 24.9 37.3#



#24

1,1-Dichloroethane

Concen: 2.065 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

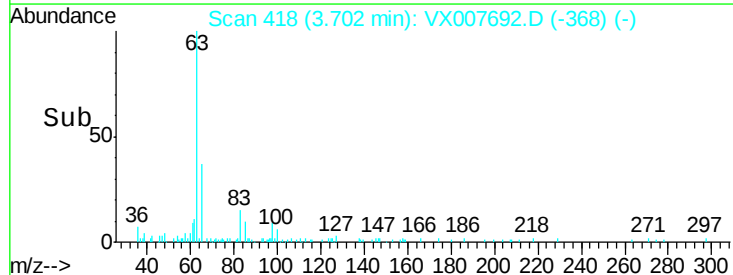
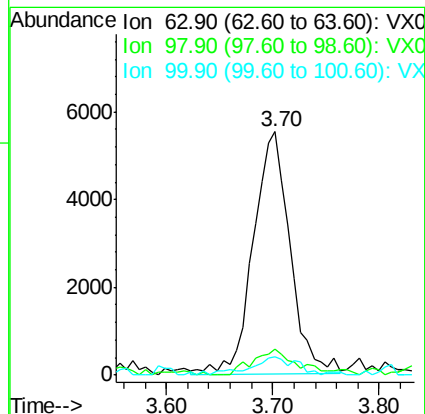
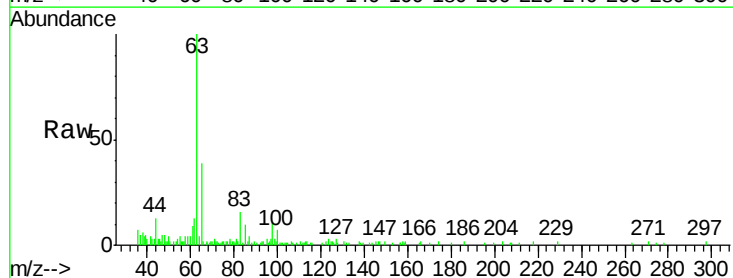
Tgt Ion: 63 Resp: 13428

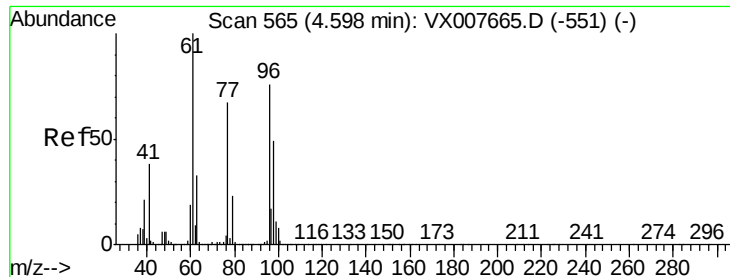
Ion Ratio Lower Upper

63 100

98 13.0 3.6 10.8#

100 6.5 2.5 7.4



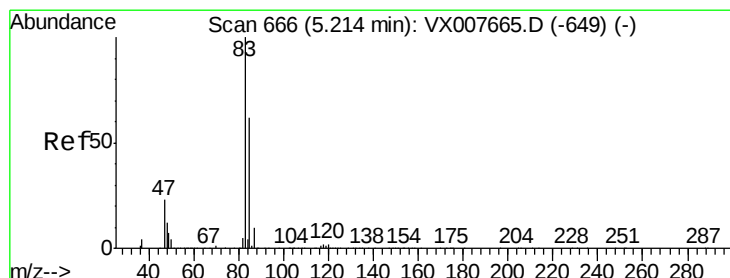
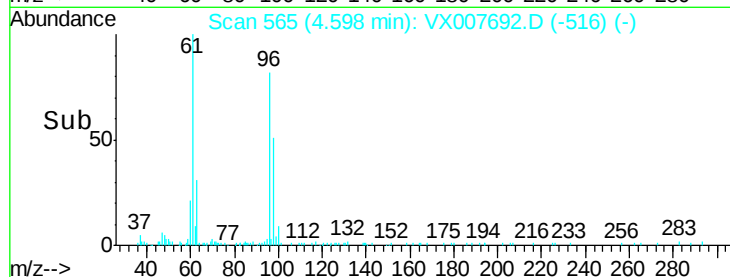
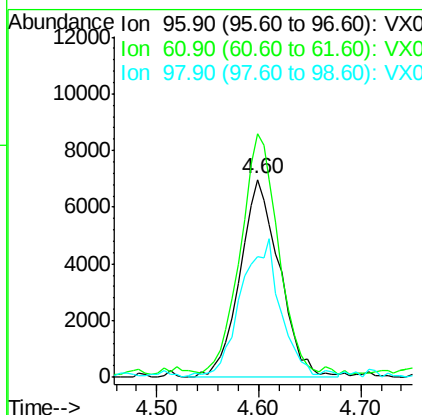
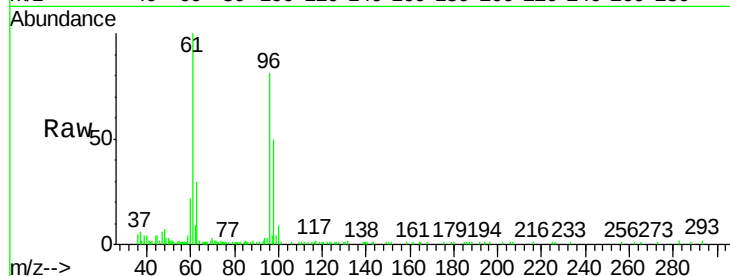


#27

cis-1,2-Dichloroethene
Concen: 4.363 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007692.D
Acq: 26 Feb 2019 03:48

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-340-342

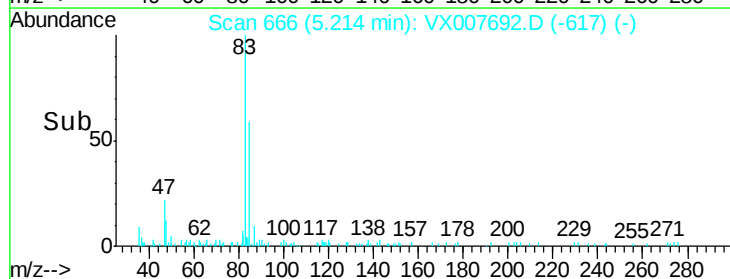
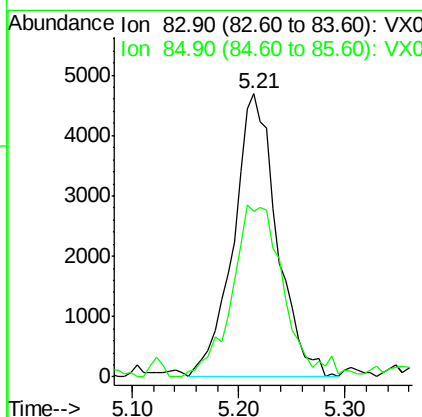
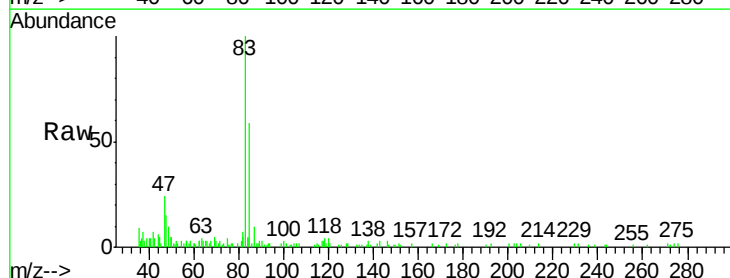
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.9	0.0	265.6
98	70.4	0.0	131.6

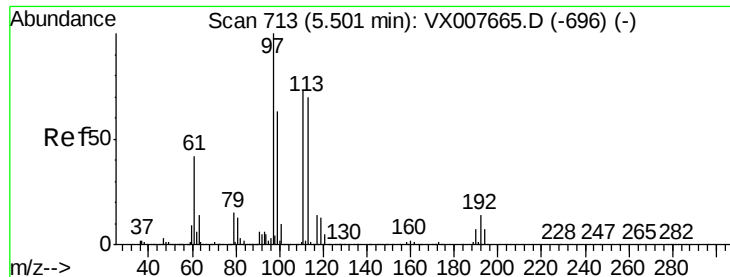


#30

Chloroform
Concen: 1.931 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007692.D
Acq: 26 Feb 2019 03:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.3	51.6	77.4





#32

1,1,1-Trichloroethane

Concen: 1.925 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-340-342

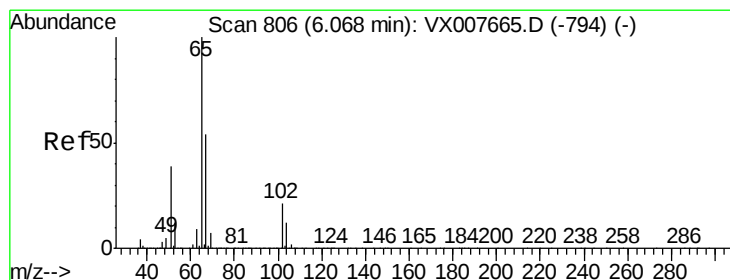
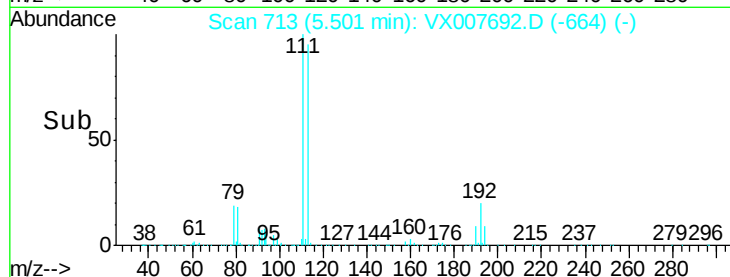
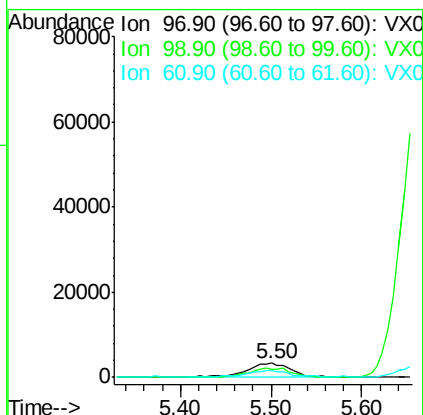
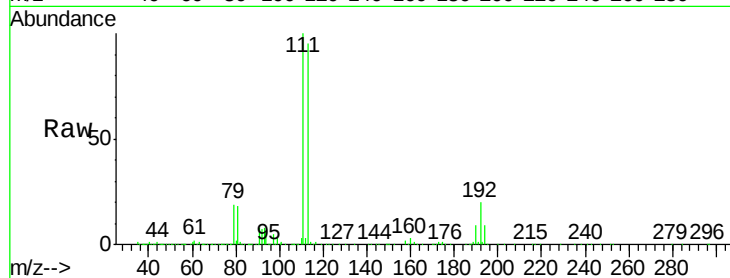
Tot Ion: 97 Resp: 11088

Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 48.1 32.7 49.1



#33

1,2-Dichloroethane-d4

Concen: 49.075 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007692.D

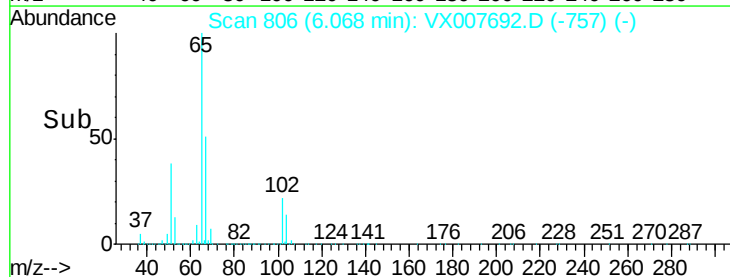
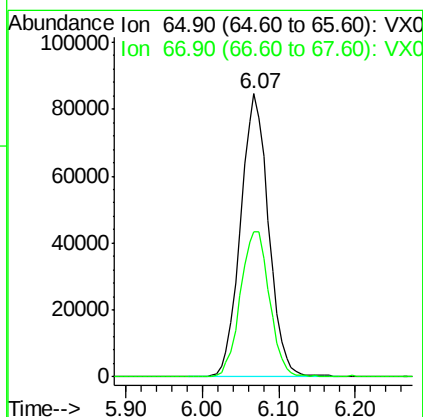
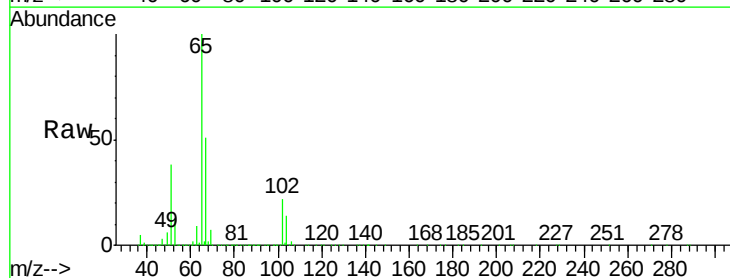
Acq: 26 Feb 2019 03:48

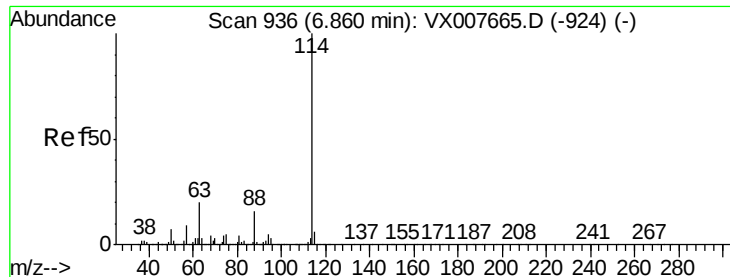
Tgt Ion: 65 Resp: 215983

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-340-342

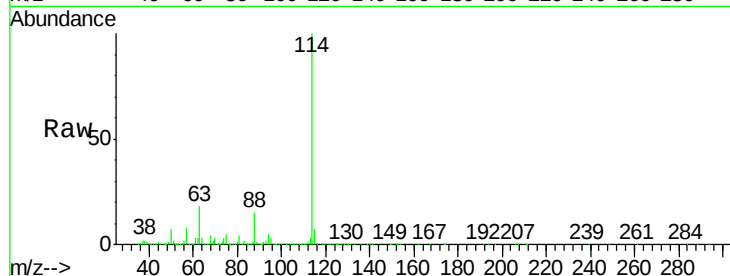
Tot Ion:114 Resp: 604159

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

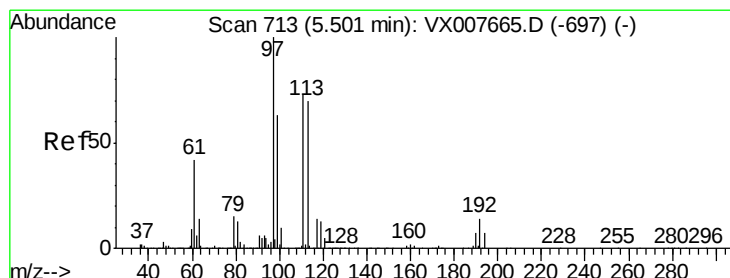
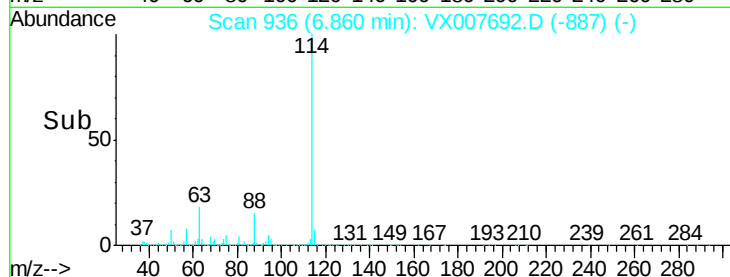
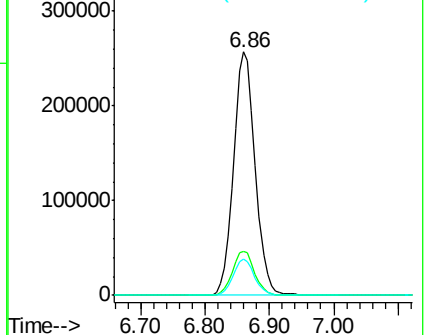
88 15.1 0.0 29.6



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: 49.271 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

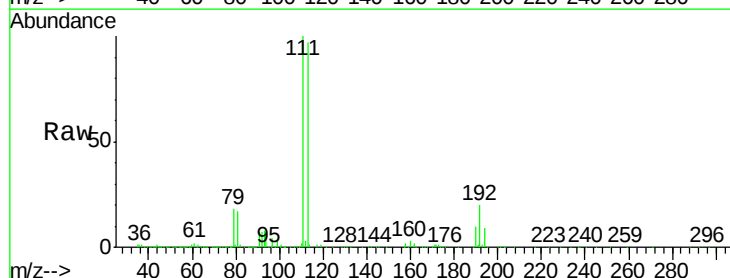
Tgt Ion:113 Resp: 198988

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

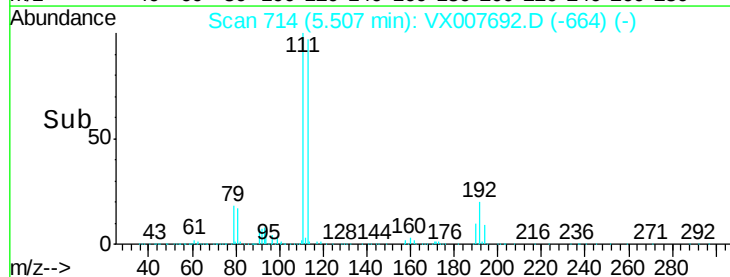
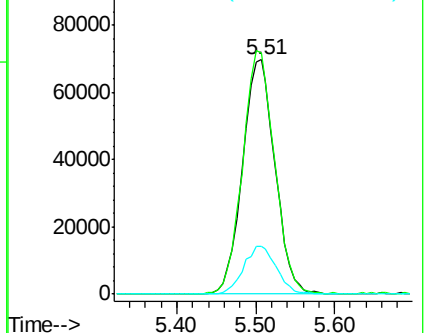
192 20.6 18.5 27.7

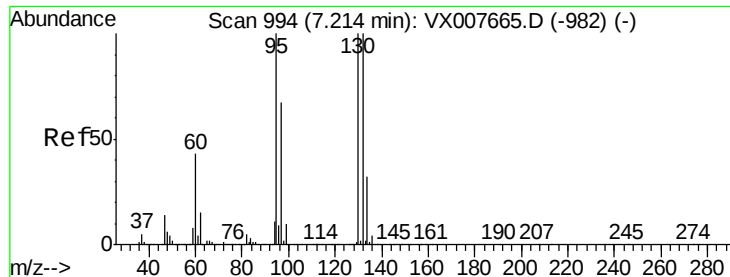


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 243.311 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

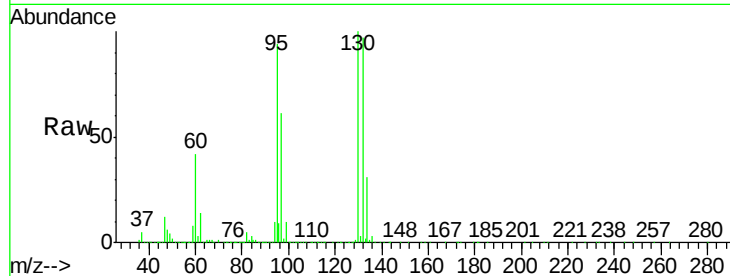
BP-VPB201-GW-340-342

Tot Ion:130 Resp: 1122255

Ion Ratio Lower Upper

130 100

95 94.5 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

600000

500000

400000

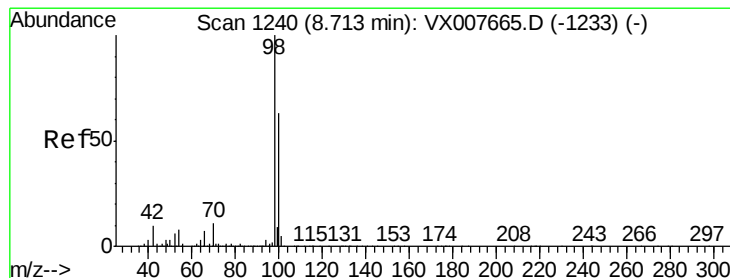
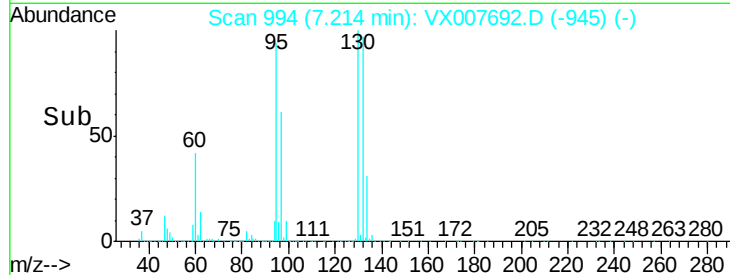
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 46.980 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007692.D

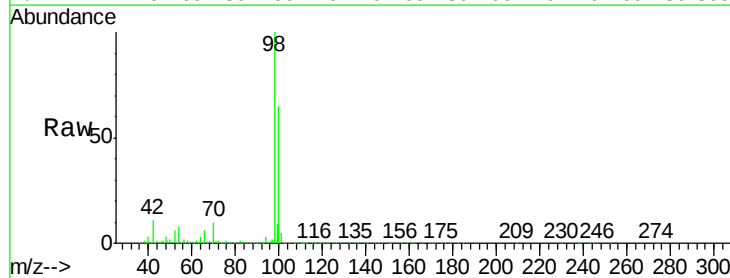
Acq: 26 Feb 2019 03:48

Tgt Ion: 98 Resp: 726374

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

500000

400000

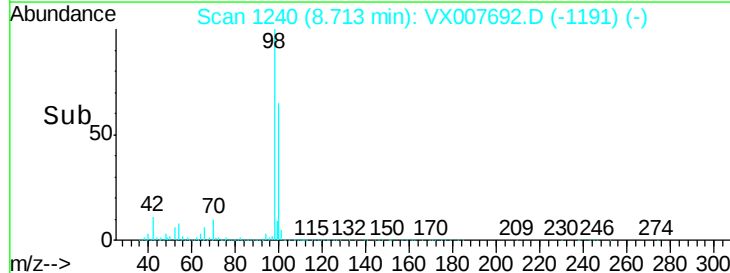
300000

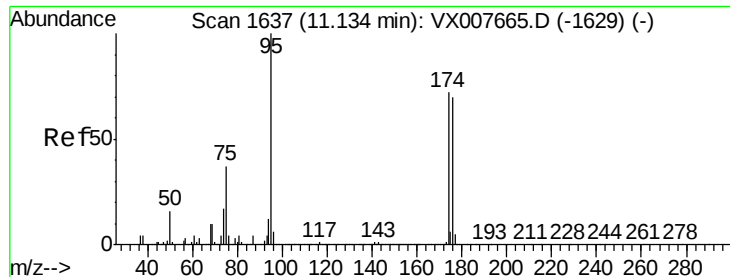
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.280 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-340-342

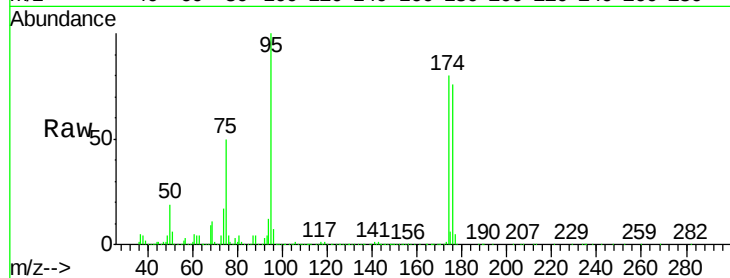
Tot Ion: 95 Resp: 256960

Ion Ratio Lower Upper

95 100

174 86.4 0.0 189.2

176 82.3 0.0 186.2

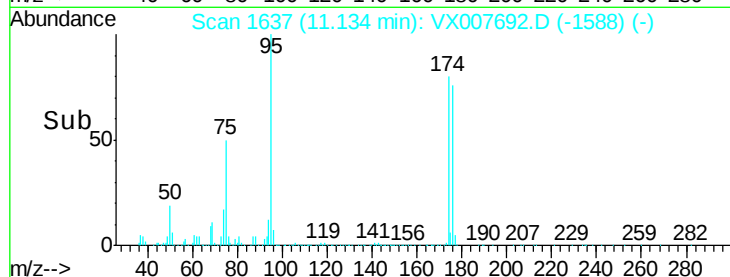


Abundance Ion 94.90 (94.60 to 95.60): VX007665.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX007665.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX007665.D (-1629) (-)

Time-->

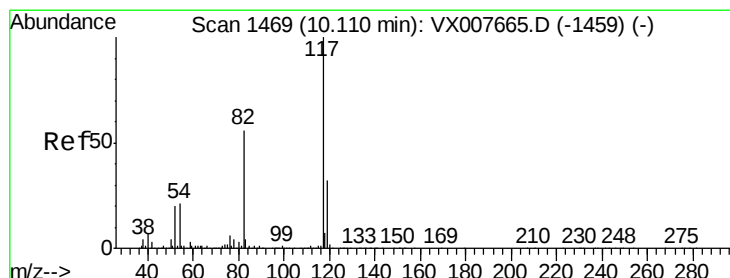


Abundance Ion 94.90 (94.60 to 95.60): VX007692.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007692.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007692.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

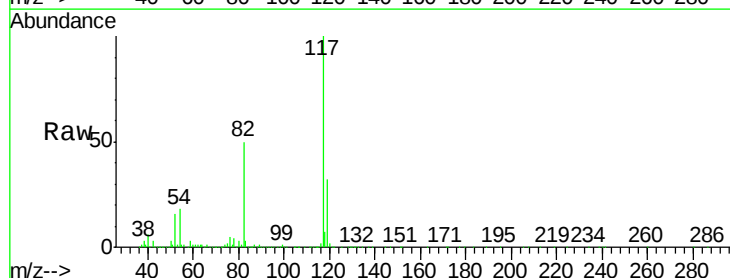
Tgt Ion: 117 Resp: 563666

Ion Ratio Lower Upper

117 100

82 50.1 42.1 63.1

119 31.7 26.5 39.7

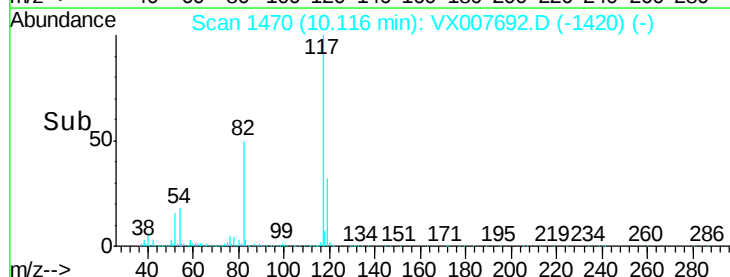


Abundance Ion 116.90 (116.60 to 117.60): VX007665.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007665.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007665.D (-1459) (-)

Time-->

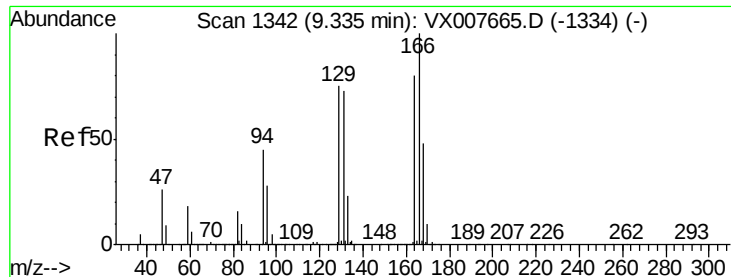


Abundance Ion 116.90 (116.60 to 117.60): VX007692.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007692.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007692.D (-1420) (-)

Time-->



#64

Tetrachloroethene

Concen: 118.152 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-340-342

Tot Ion:164 Resp: 540655

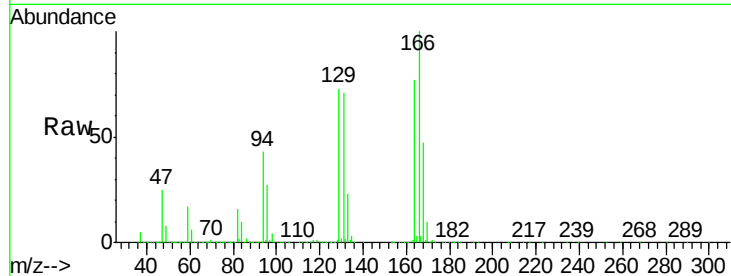
Ion Ratio Lower Upper

164 100

166 130.0 101.0 151.4

129 94.8 70.5 105.7

131 92.2 69.8 104.6

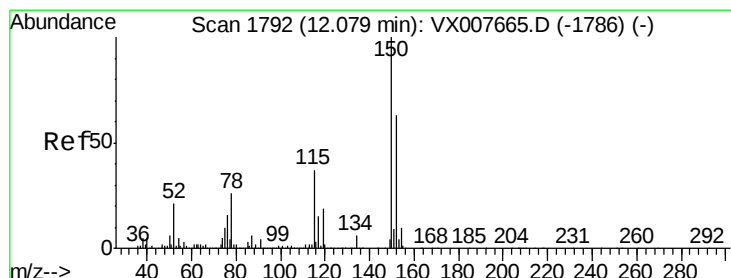
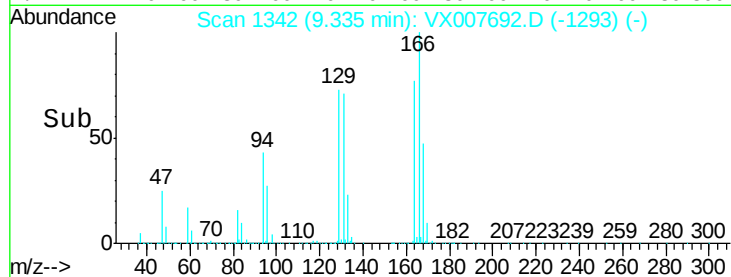
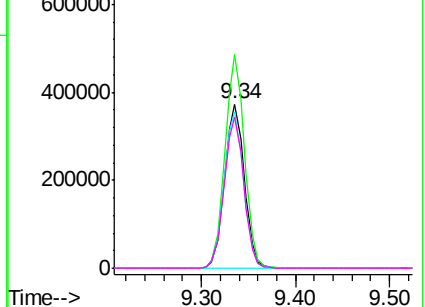


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007692.D

Acq: 26 Feb 2019 03:48

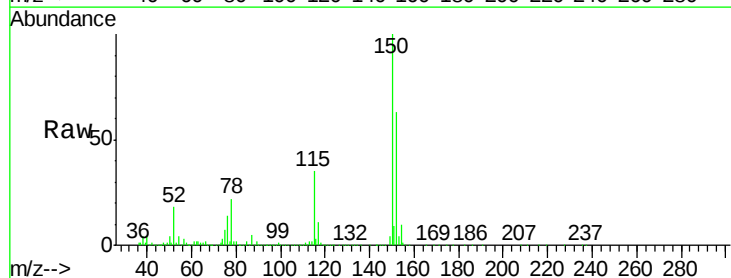
Tgt Ion:152 Resp: 260881

Ion Ratio Lower Upper

152 100

115 56.9 38.0 114.0

150 158.2 0.0 346.4



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

