

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002448.D
 Acq On : 11 Jun 2018 17:35
 Operator : JC/MD
 Sample : J3406-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW620-180606

Quant Time: Jun 12 03:57:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	172237	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	173500	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
35) Dibromofluoromethane	5.51	113	129301	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.72	98	508163	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	11.14	95	178854	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

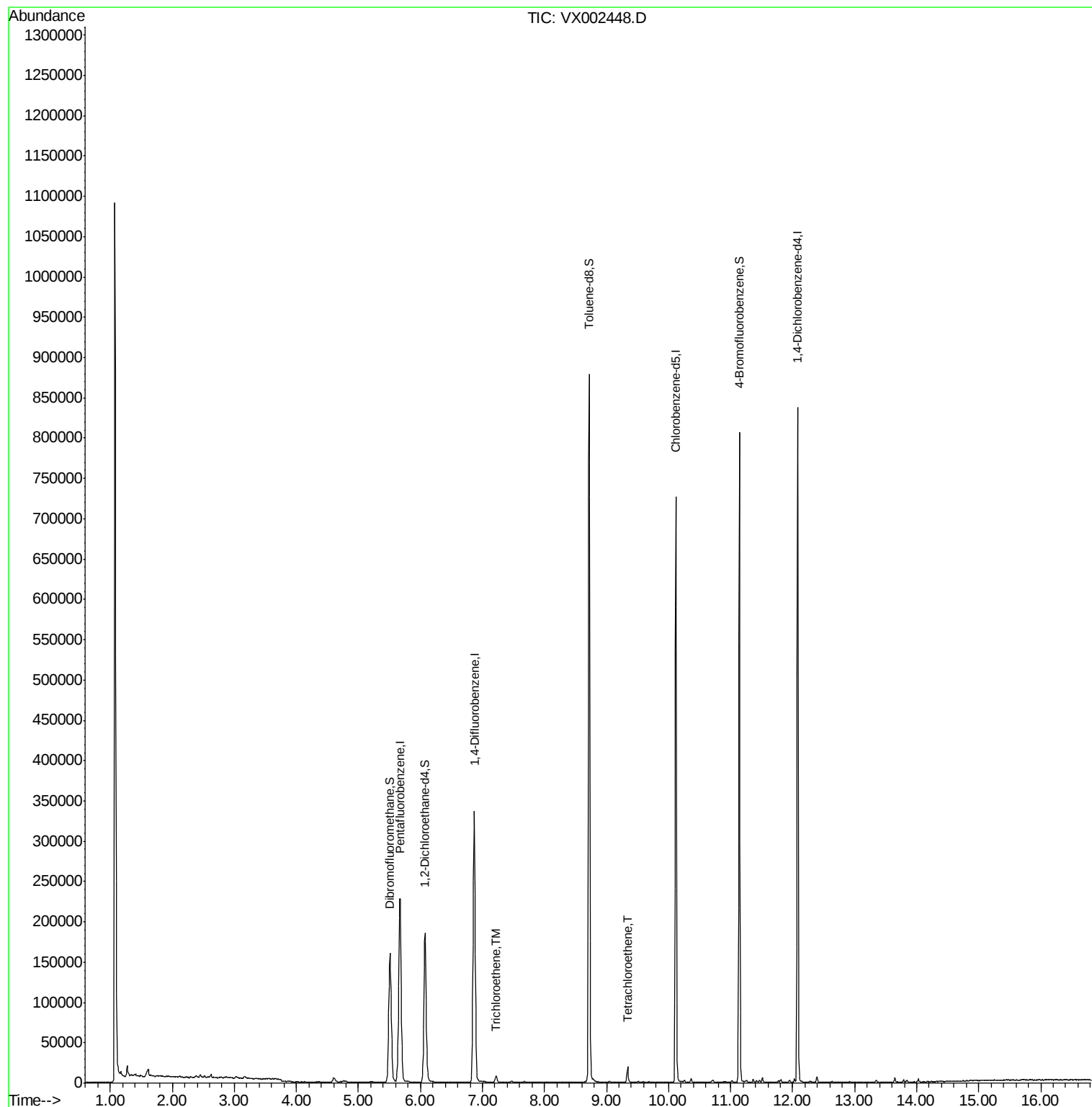
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Trichloroethene	7.22	130	2820	0.96	ug/l	99
64) Tetrachloroethene	9.34	164	3593	1.15	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

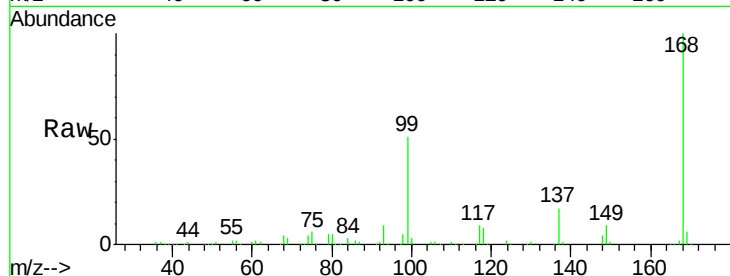
SS050MW620-180606

Tot Ion:168 Resp: 226896

Ion Ratio Lower Upper

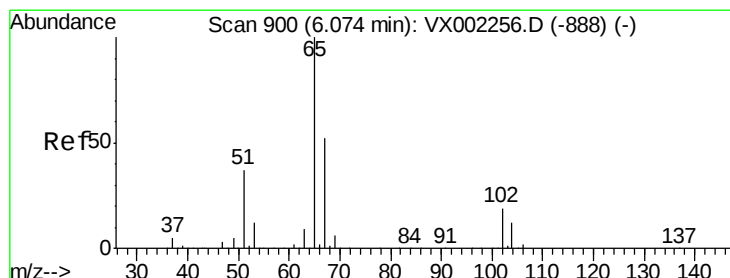
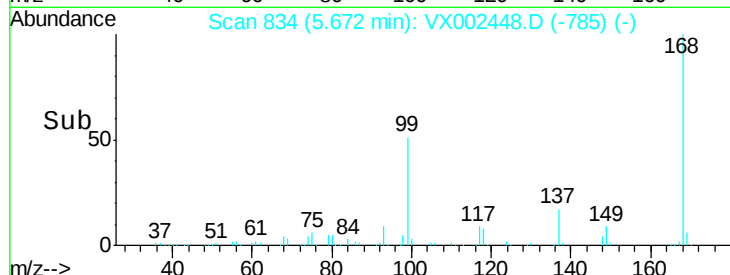
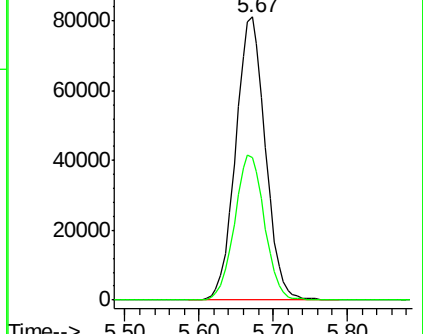
168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.73 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002448.D

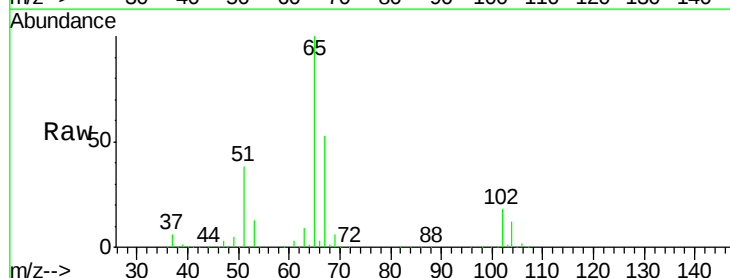
Acq: 11 Jun 2018 17:35

Tgt Ion: 65 Resp: 173500

Ion Ratio Lower Upper

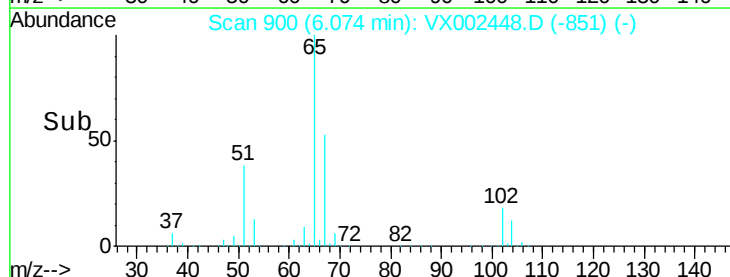
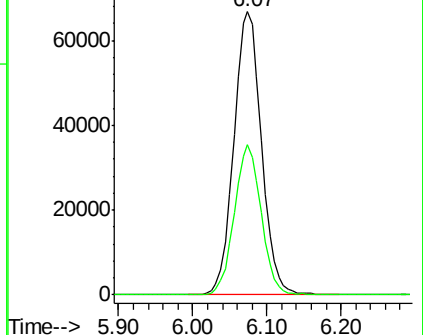
65 100

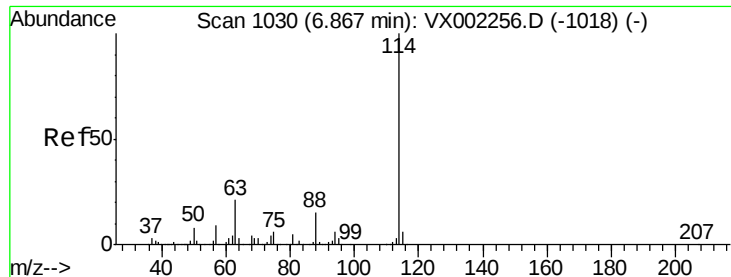
67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS050MW620-180606

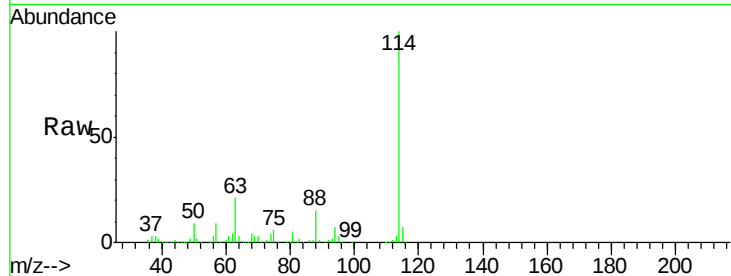
Tot Ion:114 Resp: 327978

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.4

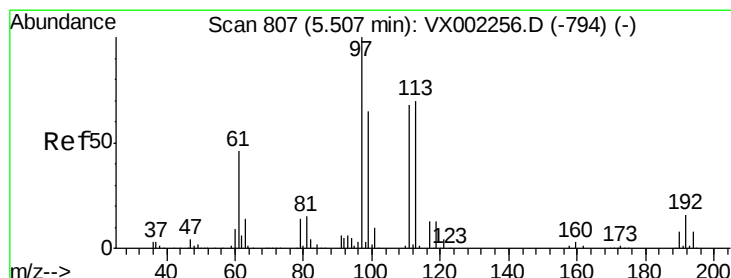
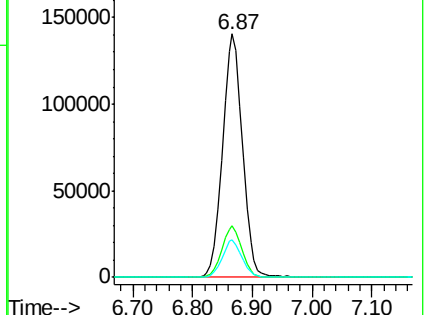
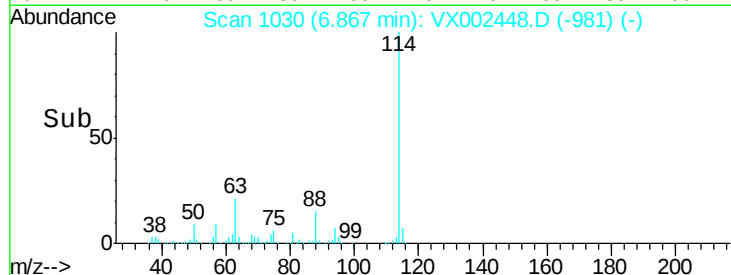
88 15.2 0.0 30.0



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: 50.13 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

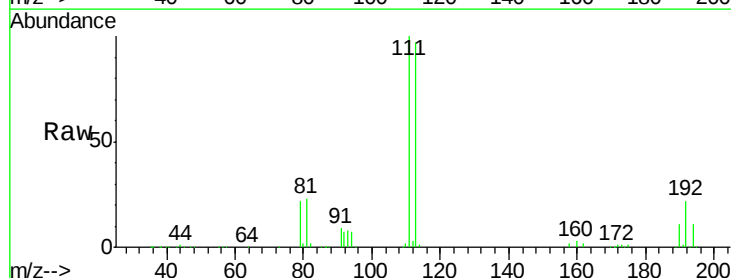
Tgt Ion:113 Resp: 129301

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

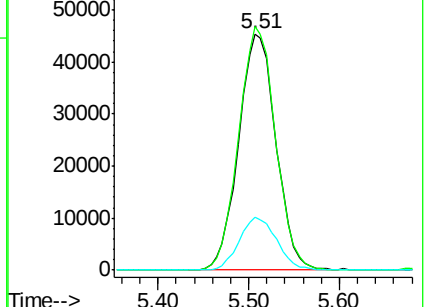
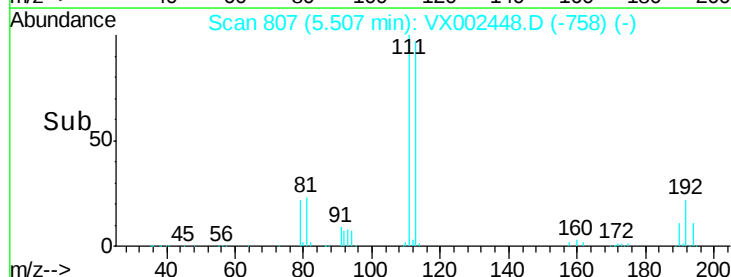
192 22.7 19.1 28.7

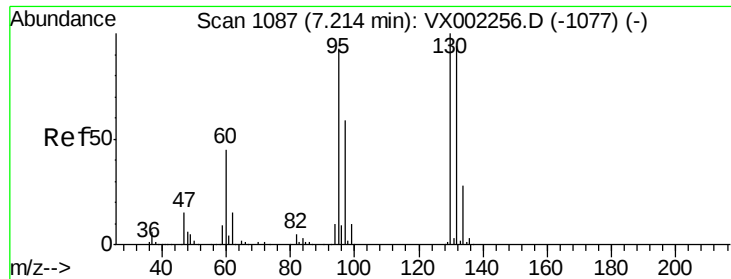


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.96 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

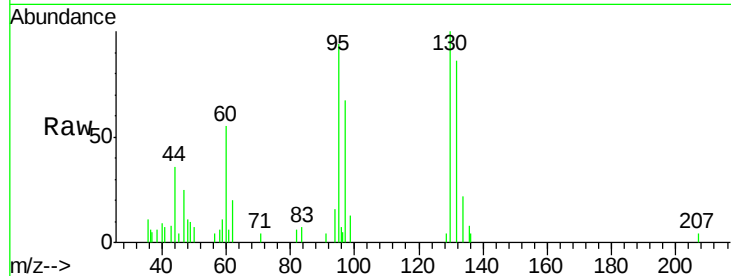
SS050MW620-180606

Tot Ion:130 Resp: 2820

Ion Ratio Lower Upper

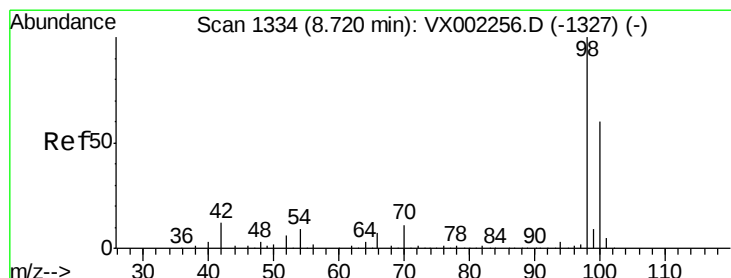
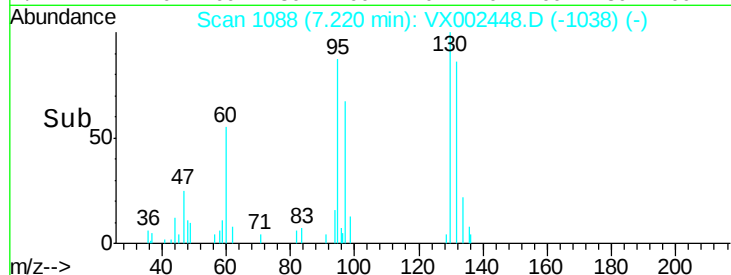
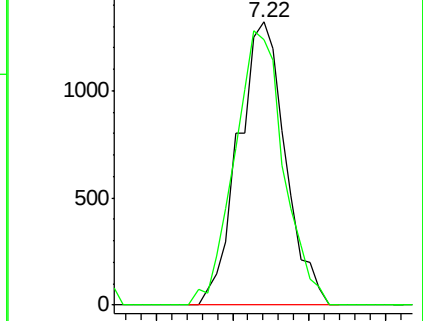
130 100

95 93.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002448.D

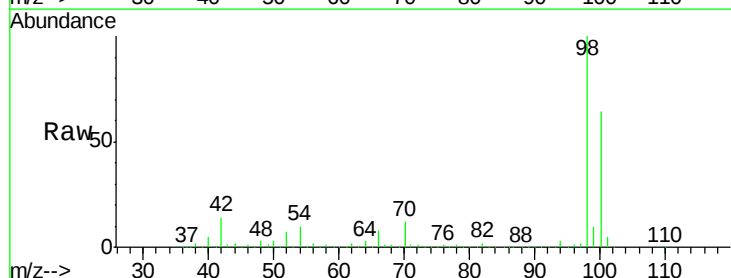
Acq: 11 Jun 2018 17:35

Tgt Ion: 98 Resp: 508163

Ion Ratio Lower Upper

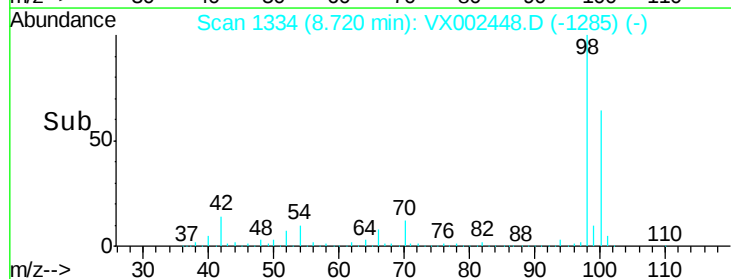
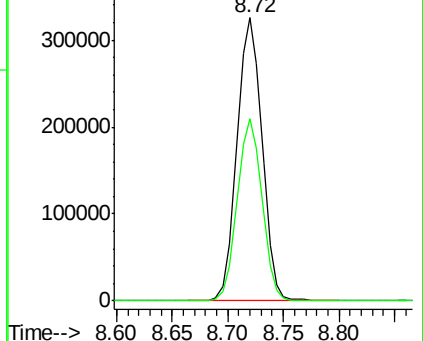
98 100

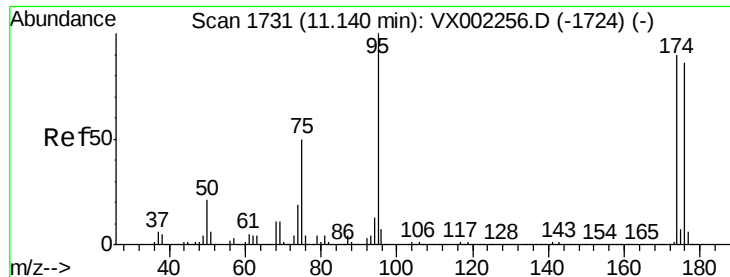
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS050MW620-180606

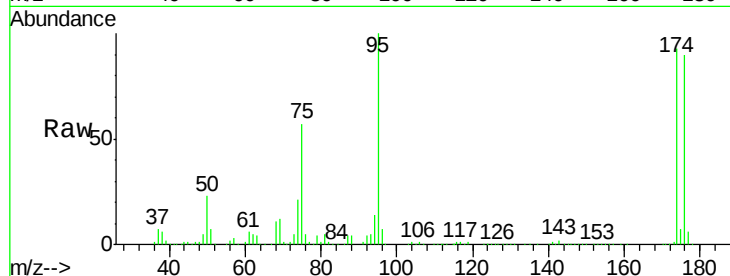
Tot Ion: 95 Resp: 178854

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

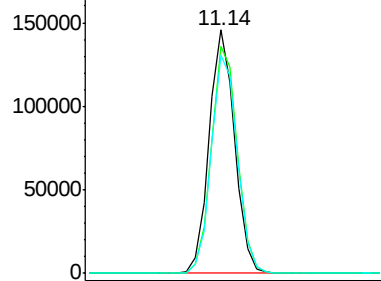
176 91.3 0.0 181.0



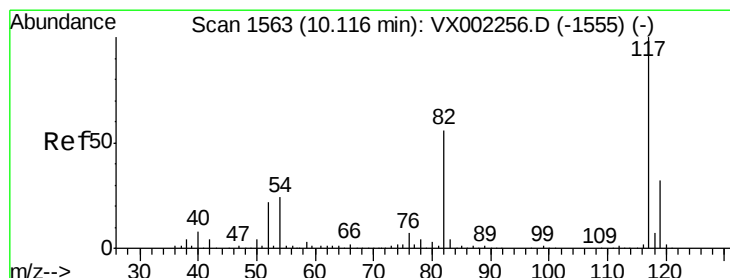
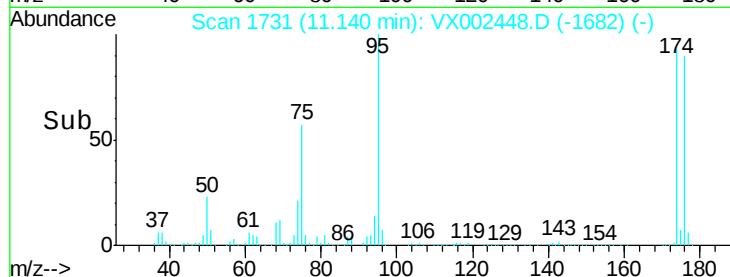
Abundance Ion 94.90 (94.60 to 95.60): VX002256.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002256.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002256.D (-1724) (-)



Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

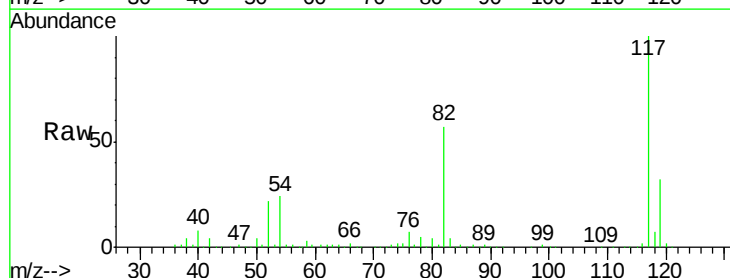
Tgt Ion: 117 Resp: 303243

Ion Ratio Lower Upper

117 100

82 56.6 45.0 67.4

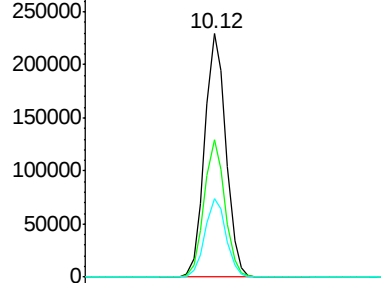
119 32.4 25.8 38.6



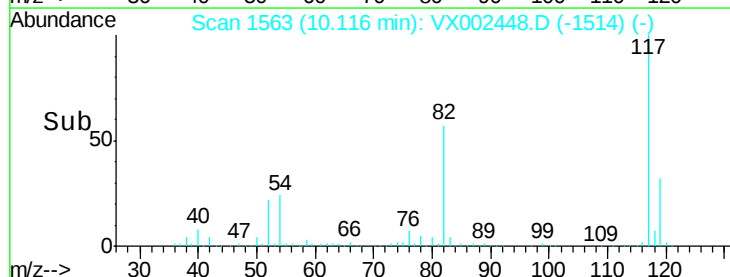
Abundance Ion 116.90 (116.60 to 117.60): VX002256.D (-1555) (-)

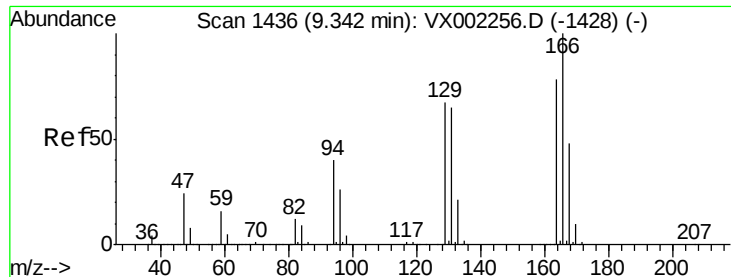
Ion 82.00 (81.70 to 82.70): VX002256.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002256.D (-1555) (-)



Time--> 10.10 10.12 10.14 10.16 10.18 10.20





#64

Tetrachloroethene

Concen: 1.15 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

Instrument :

MSVOA_X

ClientSampleId :

SS050MW620-180606

Tot Ion:164 Resp: 3593

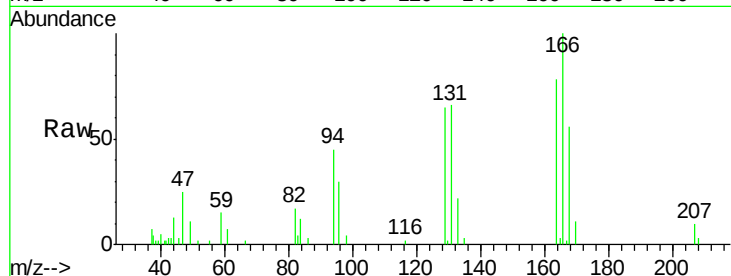
Ion Ratio Lower Upper

164 100

166 127.7 102.9 154.3

129 83.4 68.6 102.8

131 83.6 66.8 100.2

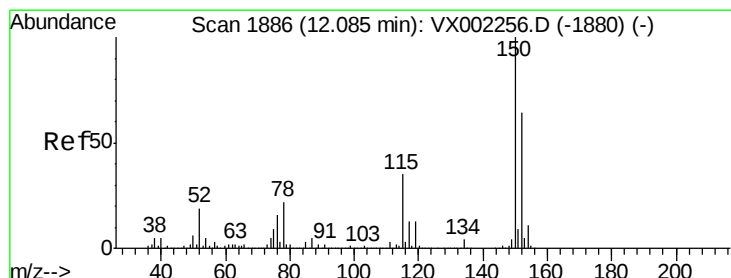
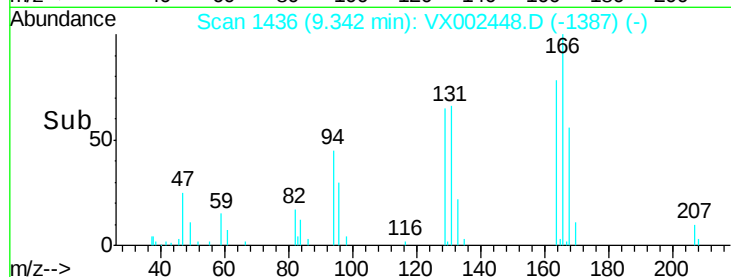
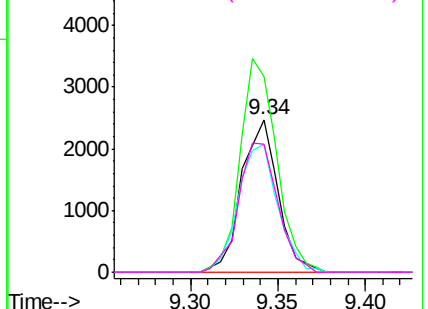


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002448.D

Acq: 11 Jun 2018 17:35

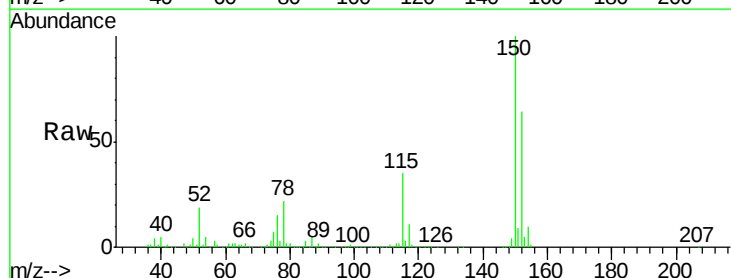
Tgt Ion:152 Resp: 172237

Ion Ratio Lower Upper

152 100

115 55.8 40.1 120.2

150 156.9 0.0 347.2



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

