

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006621.D
 Acq On : 19 Dec 2018 02:31
 Operator : JC/MD
 Sample : J6408-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.MW127I-20181208

Quant Time: Dec 19 07:28:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

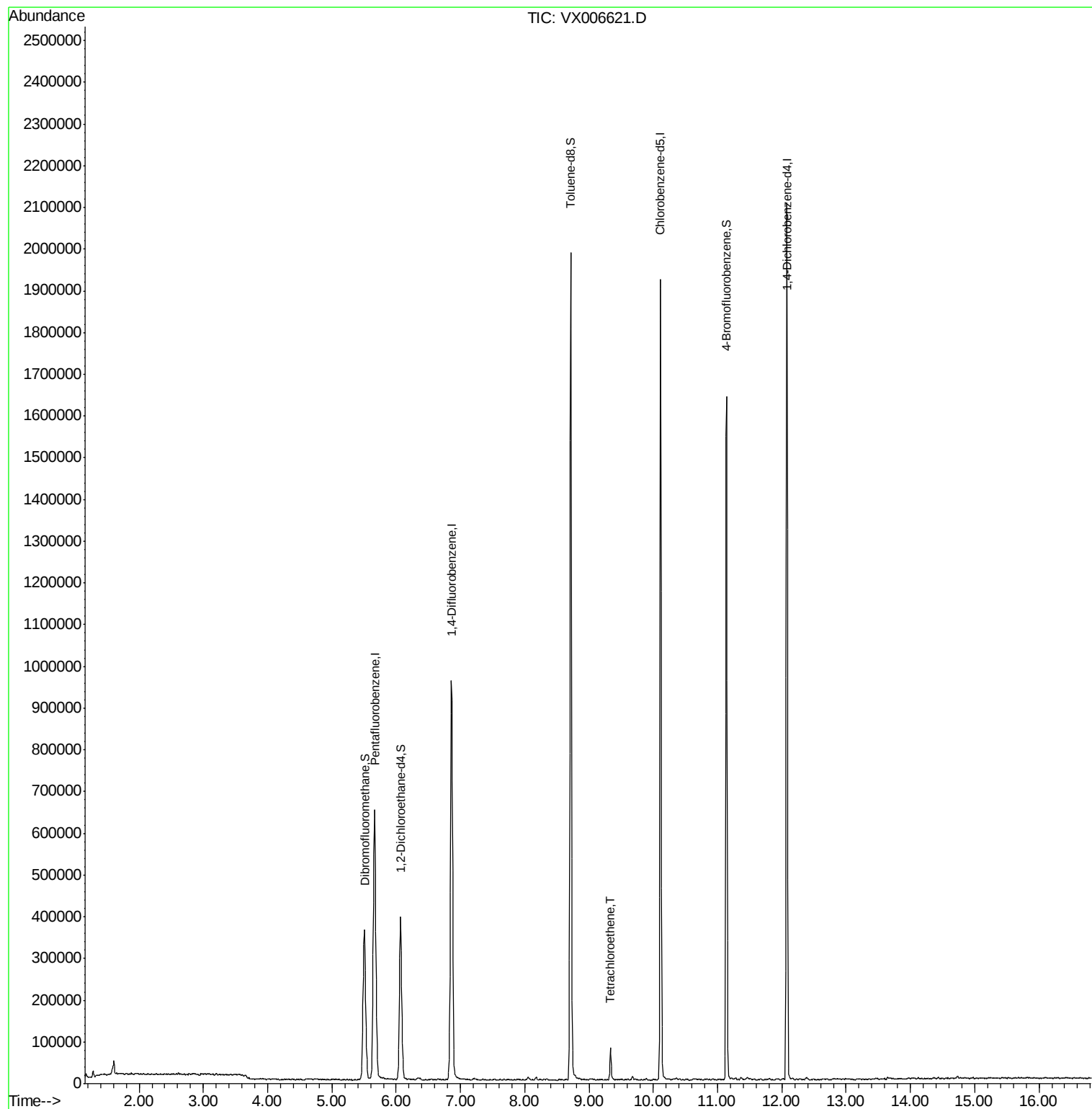
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	647719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	949433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455606	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	361132	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
35) Dibromofluoromethane	5.51	113	306781	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	1239692	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.13	95	444197	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
Target Compounds						
64) Tetrachloroethene	9.34	164	14826	1.972	ug/l	Qvalue 93

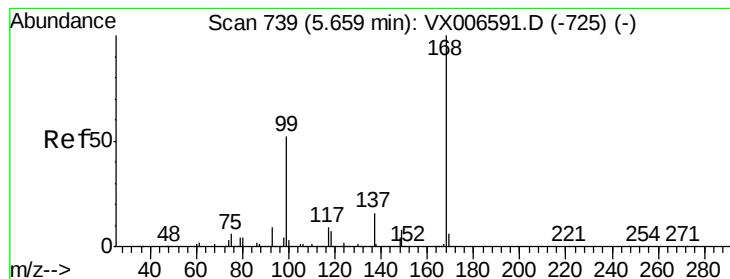
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006621.D

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Instrument :

MSVOA_X

ClientSampleId :

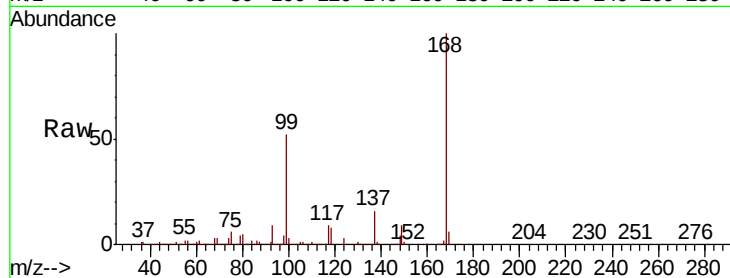
SA.MW127I-20181208

Tot Ion:168 Resp: 647719

Ion Ratio Lower Upper

168 100

99 51.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

100000

50000

0

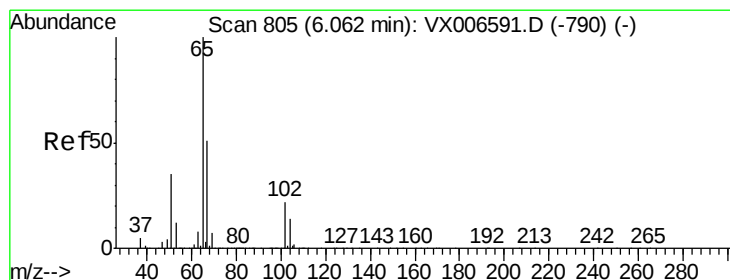
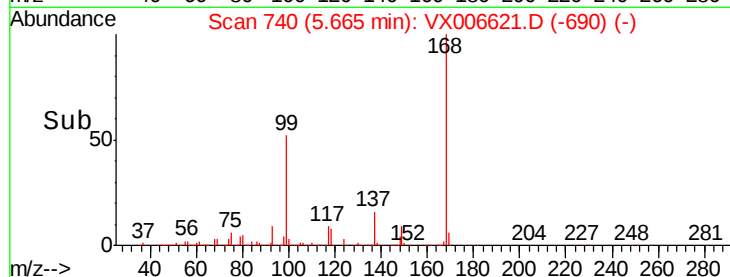
Time-->

5.50

5.60

5.70

5.80



#33

1,2-Dichloroethane-d4

Concen: 51.732 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006621.D

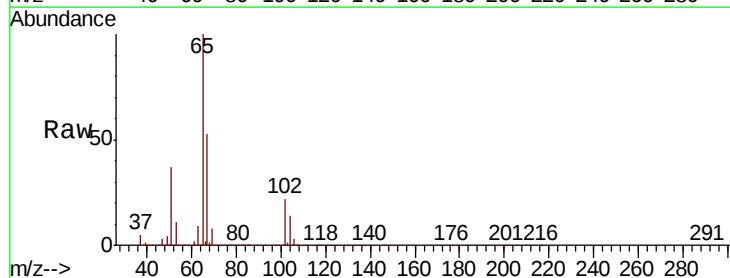
Acq: 19 Dec 2018 02:31

Tgt Ion: 65 Resp: 361132

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

100000

50000

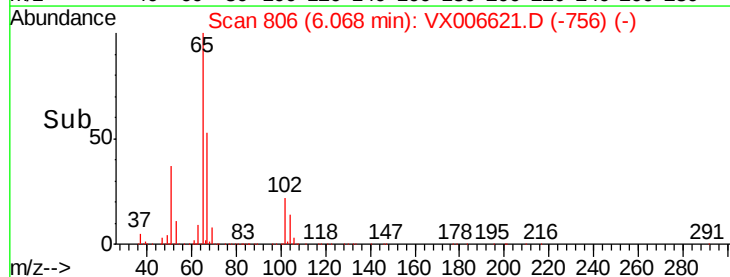
0

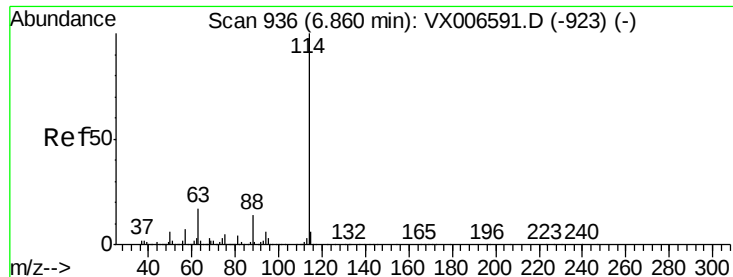
Time-->

6.00

6.10

6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

SA.MW127I-20181208

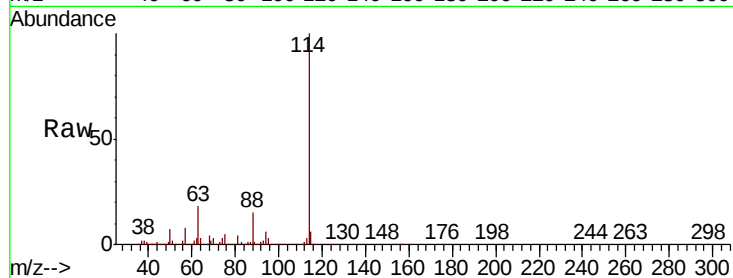
Tot Ion:114 Resp: 1034741

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

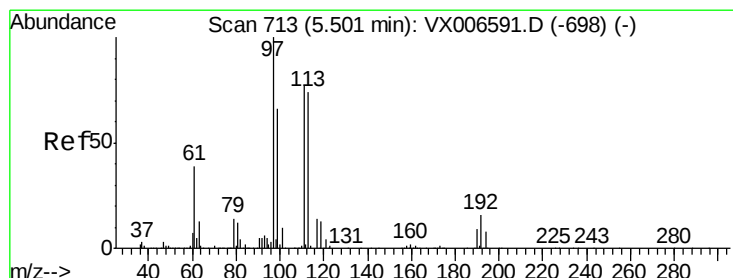
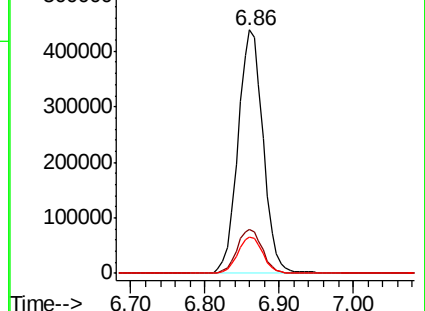
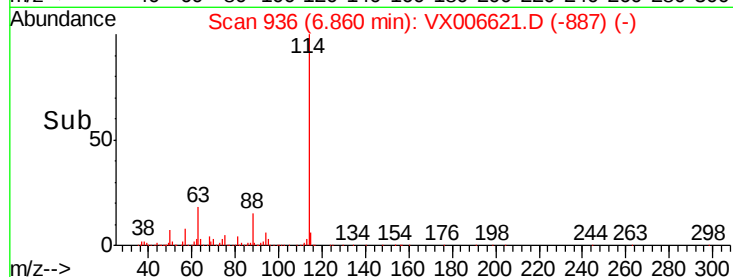
88 15.1 0.0 29.0



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: 46.883 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

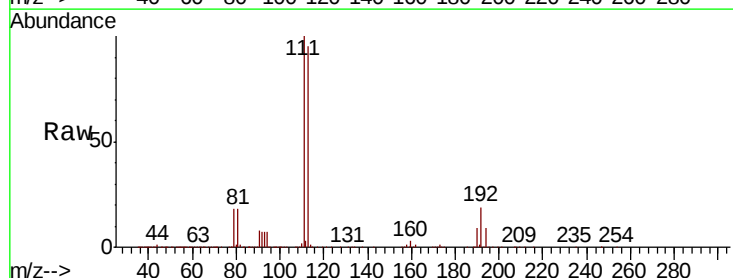
Tgt Ion:113 Resp: 306781

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

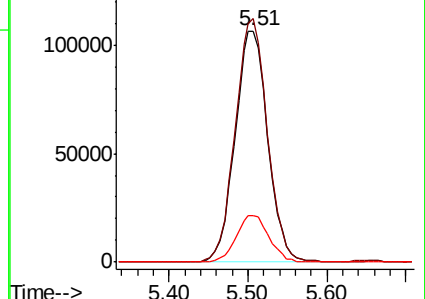
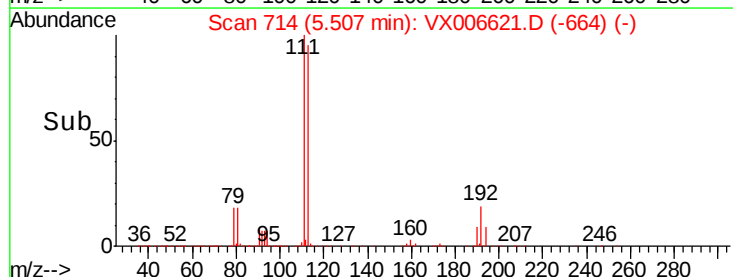
192 20.2 18.2 27.2

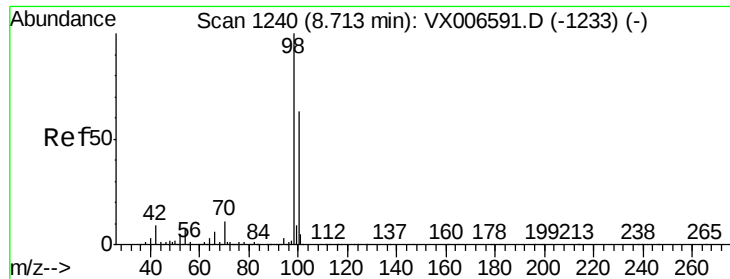


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.253 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

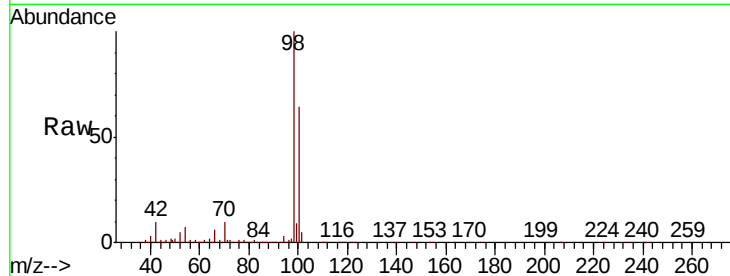
SA.MW127I-20181208

Tot Ion: 98 Resp: 1239692

Ion Ratio Lower Upper

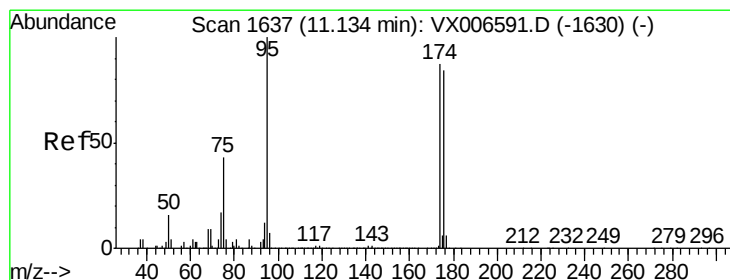
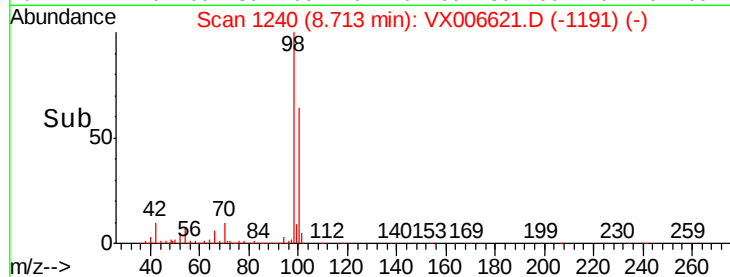
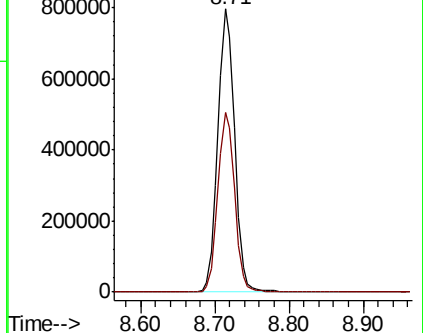
98 100

100 63.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 49.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006621.D

Acq: 19 Dec 2018 02:31

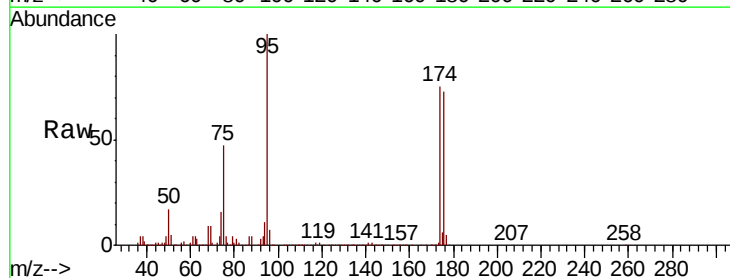
Tgt Ion: 95 Resp: 444197

Ion Ratio Lower Upper

95 100

174 84.8 0.0 187.0

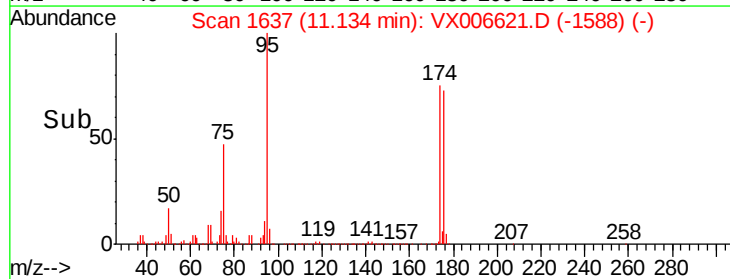
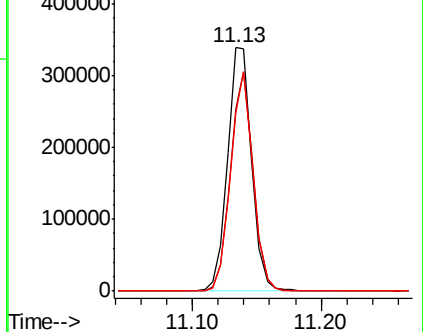
176 84.1 0.0 181.8

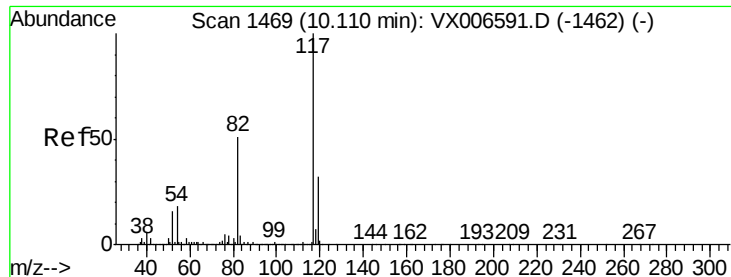


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

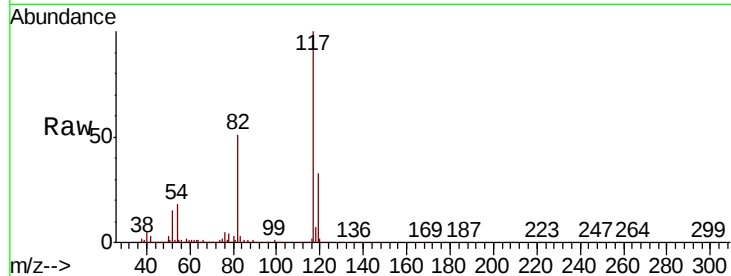




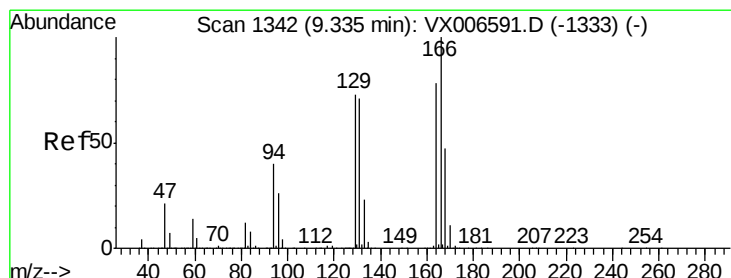
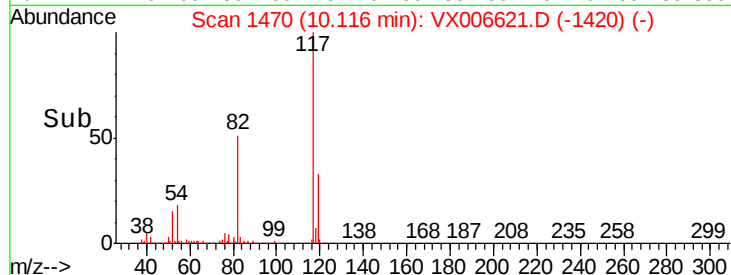
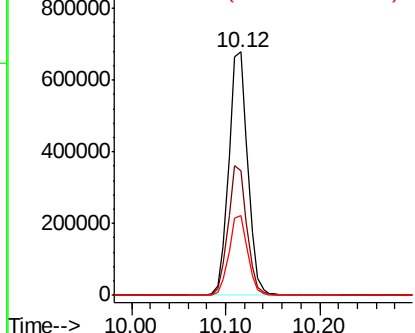
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Instrument :
MSVOA_X
ClientSampleId :
SA.MW127I-20181208

Tot Ion:117 Resp: 949433
Ion Ratio Lower Upper
117 100
82 51.0 39.6 59.4
119 32.8 26.3 39.5

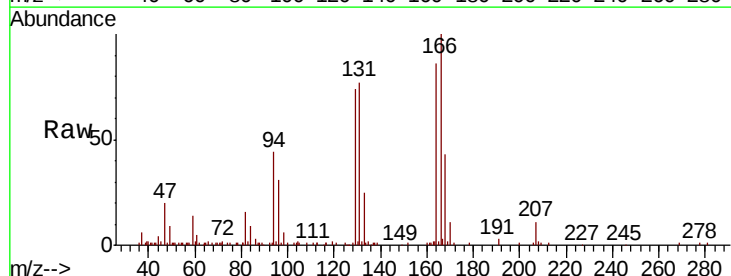


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

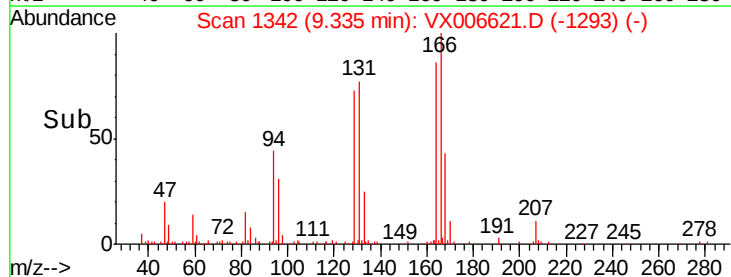
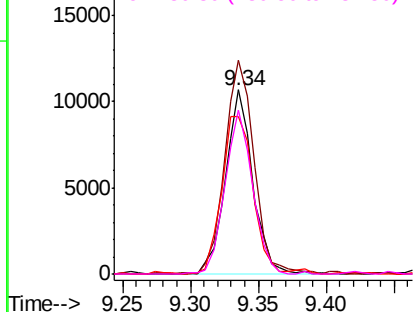


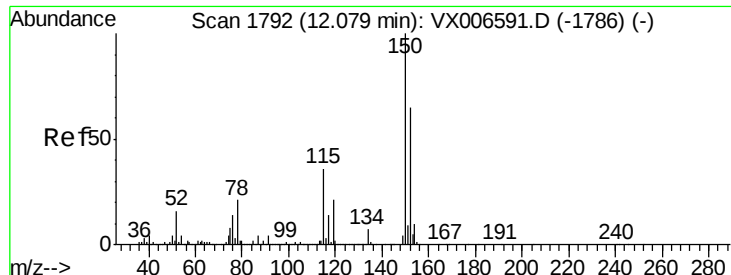
#64
Tetrachloroethene
Concen: 1.972 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006621.D
Acq: 19 Dec 2018 02:31

Tgt Ion:164 Resp: 14826
Ion Ratio Lower Upper
164 100
166 115.5 104.2 156.2
129 85.6 72.6 108.8
131 88.9 70.3 105.5



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: VX006621.D

Acq: 19 Dec 2018 02:31

Instrument :

MSVOA_X

ClientSampleId :

SA.MW127I-20181208

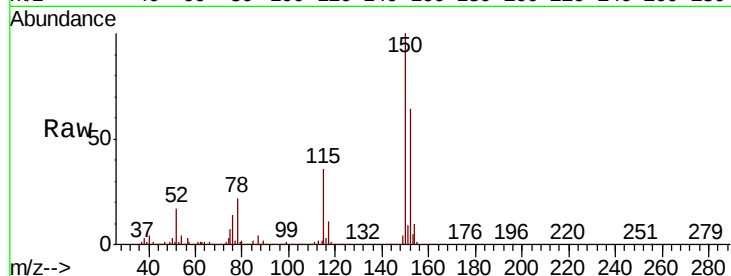
Tot Ion:152 Resp: 455606

Ion Ratio Lower Upper

152 100

115 57.3 39.0 116.9

150 155.5 0.0 345.8



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

