

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004060.D
 Acq On : 15 Aug 2018 06:07
 Operator : JC/MD
 Sample : J4439-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP2-SRI3

Quant Time: Aug 15 15:57:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211634	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	194325	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
35) Dibromofluoromethane	5.50	113	163414	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
50) Toluene-d8	8.72	98	590468	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.14	95	198449	44.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.40%	

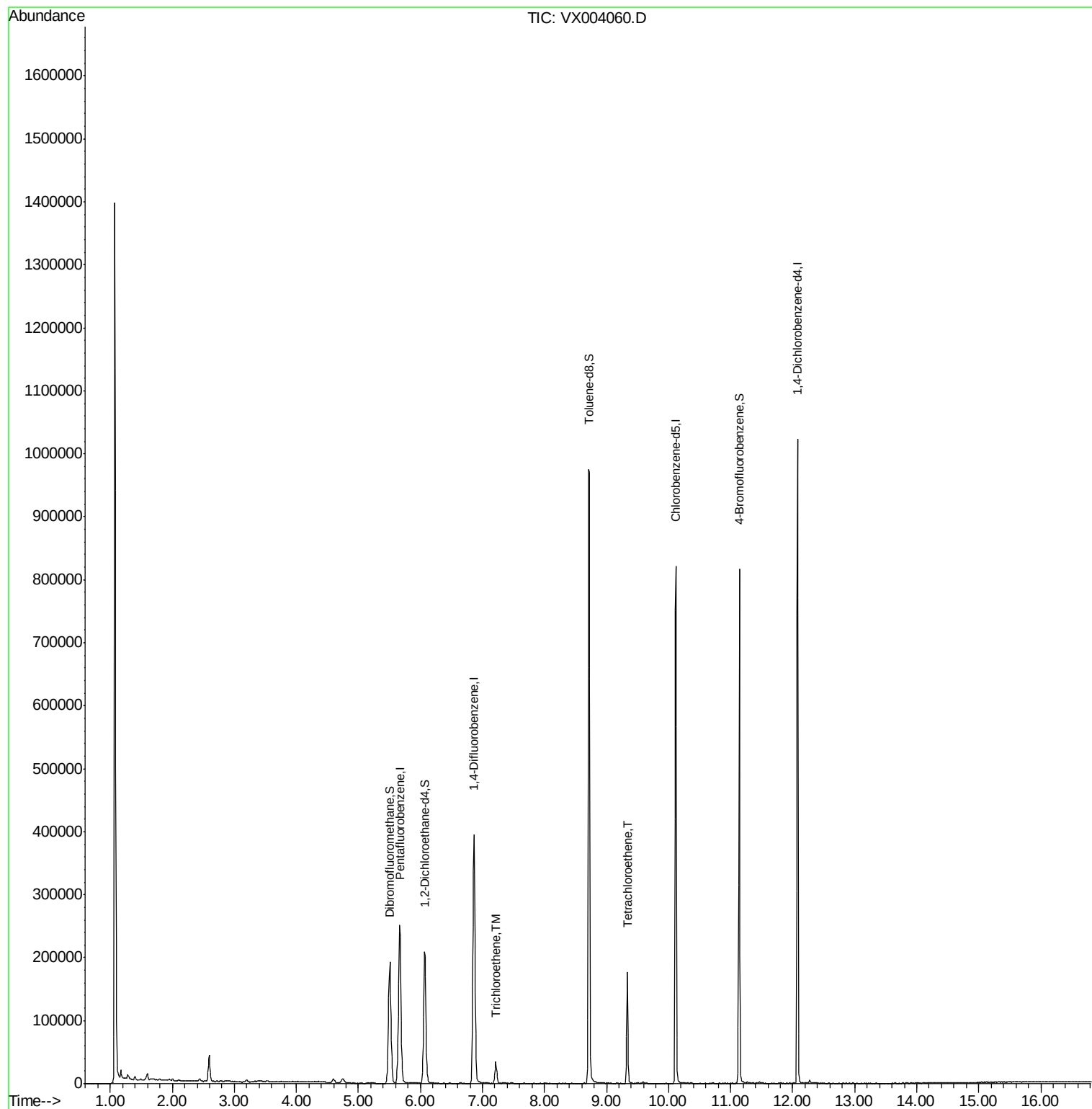
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Trichloroethene	7.21	130	13790	3.69	ug/l	96
64) Tetrachloroethene	9.34	164	36241	9.88	ug/l	97

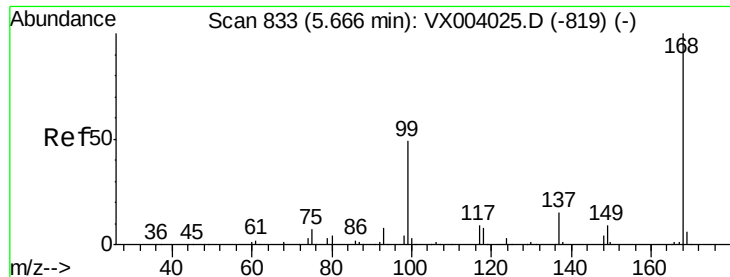
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampled :

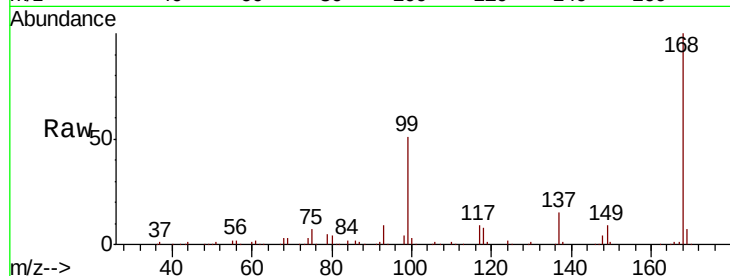
DUP2-SRI3

Tot Ion:168 Resp: 253555

Ion Ratio Lower Upper

168 100

99 50.6 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

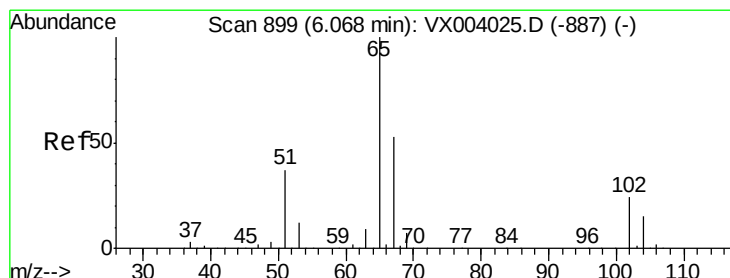
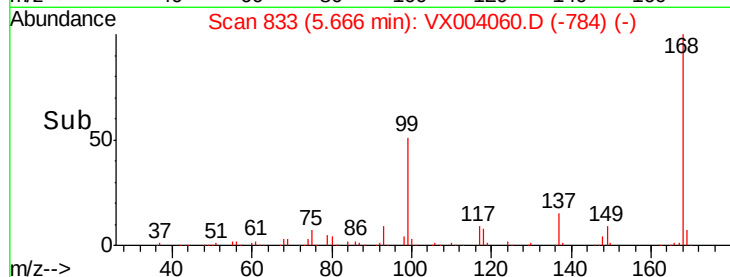
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#33

1,2-Dichloroethane-d4

Concen: 54.40 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004060.D

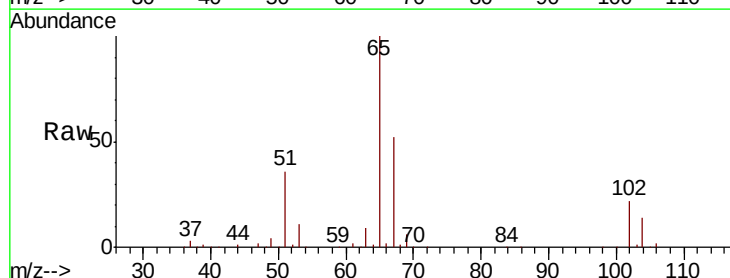
Acq: 15 Aug 2018 06:07

Tgt Ion: 65 Resp: 194325

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

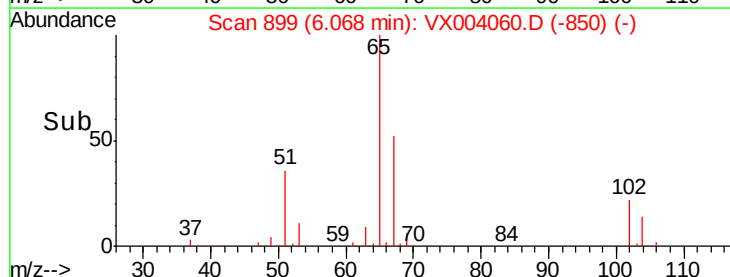
40000

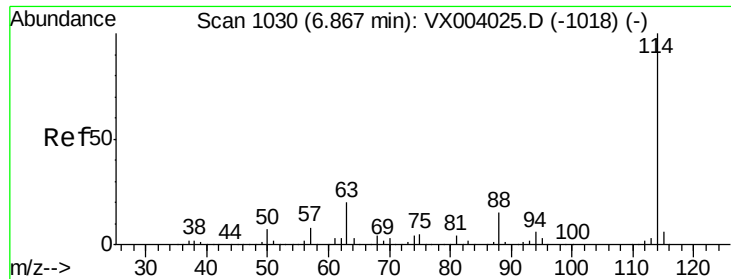
20000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

DUP2-SRI3

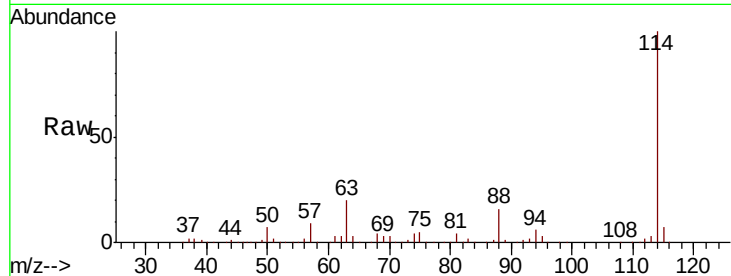
Tot Ion:114 Resp: 403404

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

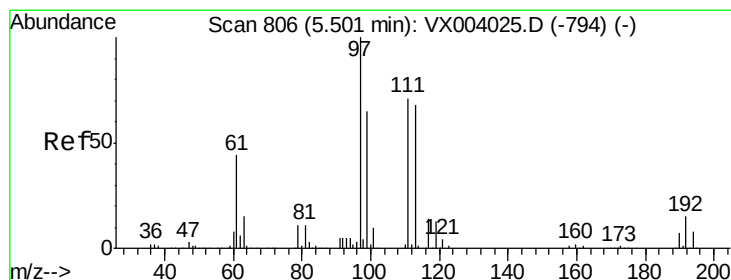
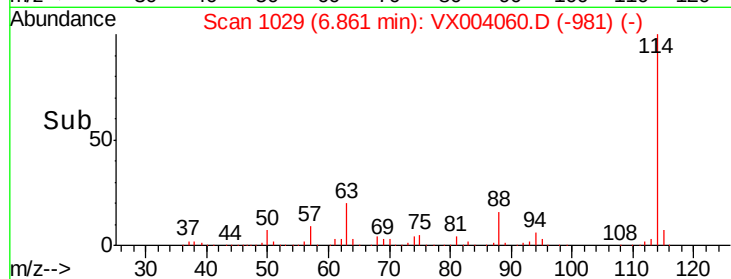
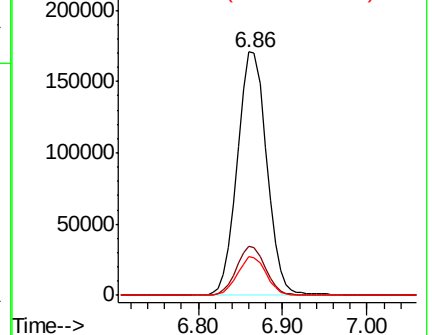
88 15.8 0.0 32.0



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: 54.13 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

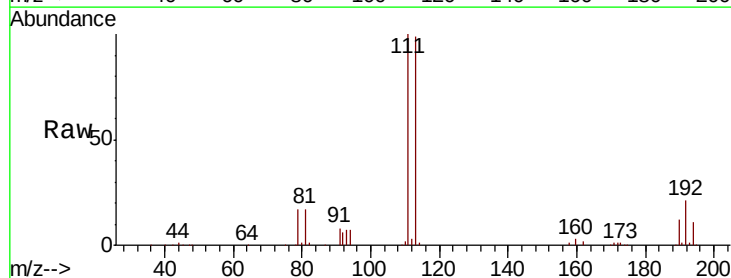
Tgt Ion:113 Resp: 163414

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

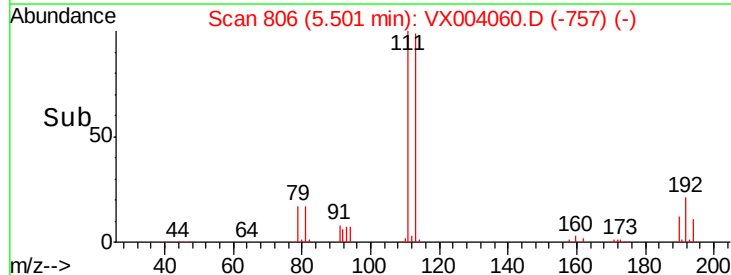
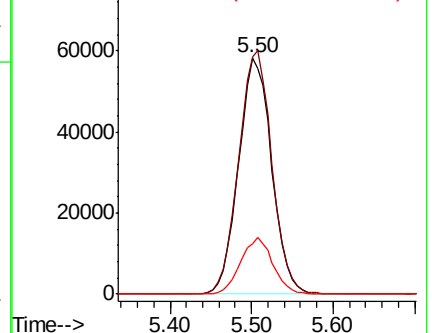
192 23.3 19.0 28.4

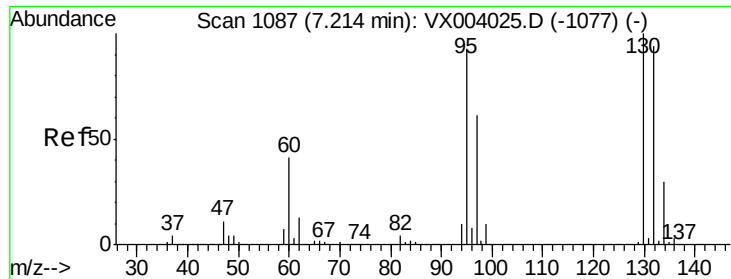


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 3.69 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

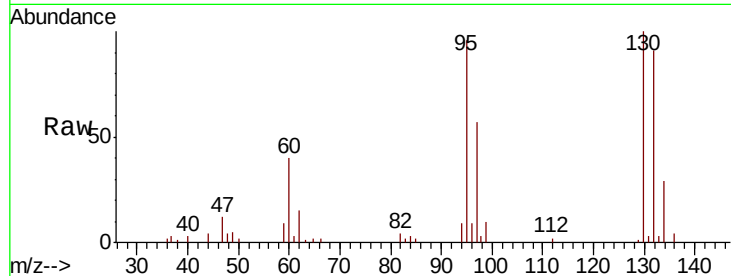
DUP2-SRI3

Tot Ion:130 Resp: 13790

Ion Ratio Lower Upper

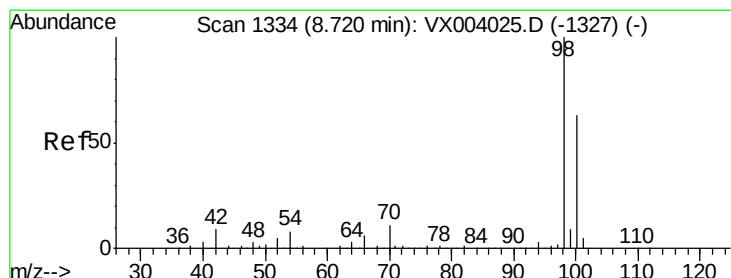
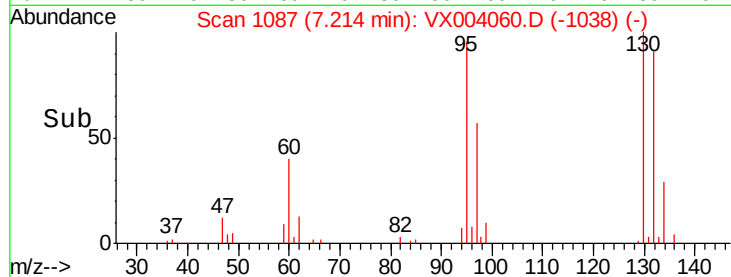
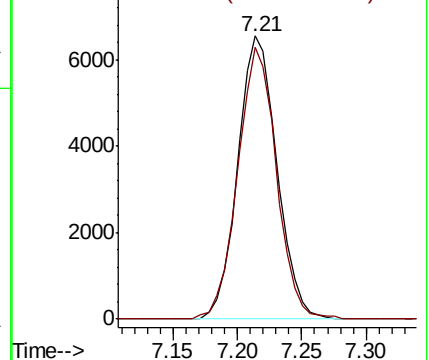
130 100

95 96.1 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004060.D

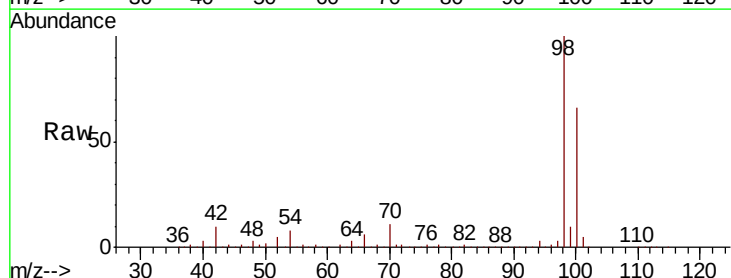
Acq: 15 Aug 2018 06:07

Tgt Ion: 98 Resp: 590468

Ion Ratio Lower Upper

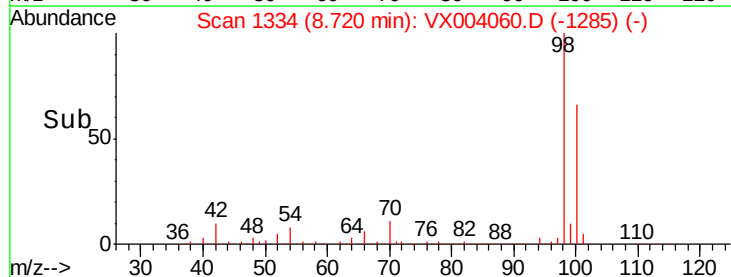
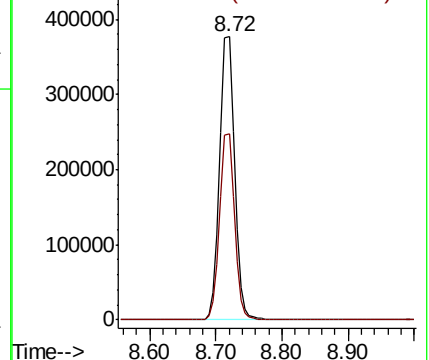
98 100

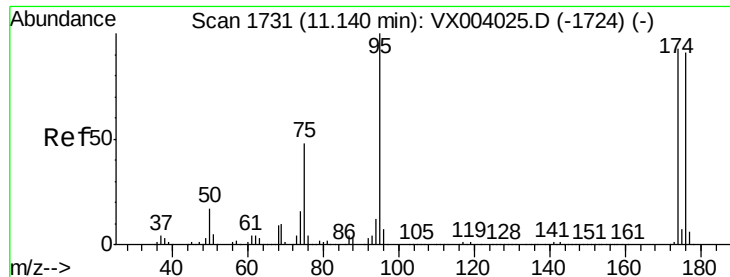
100 65.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

DUP2-SRI3

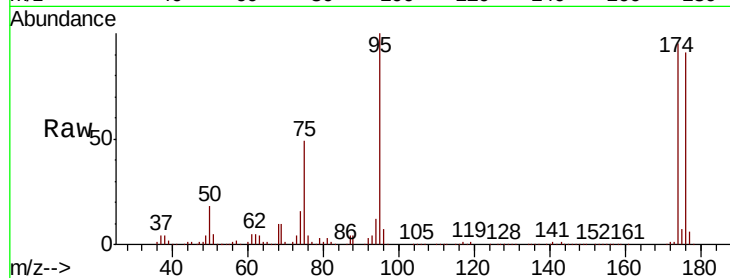
Tot Ion: 95 Resp: 198449

Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.8

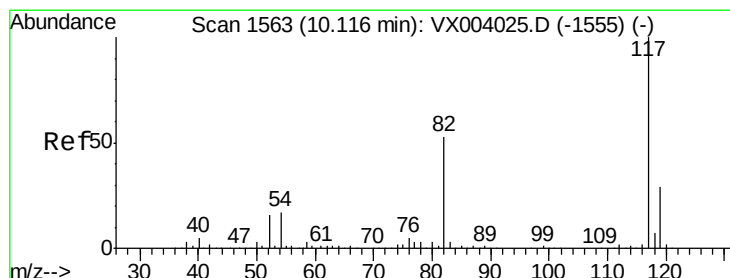
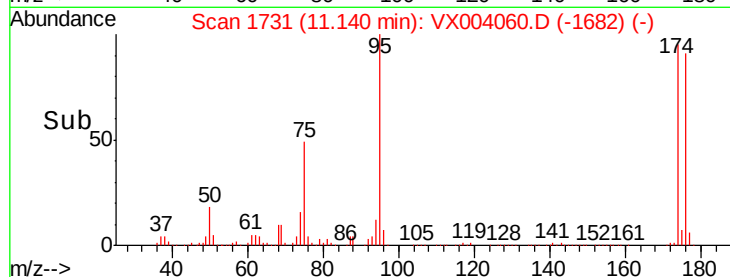
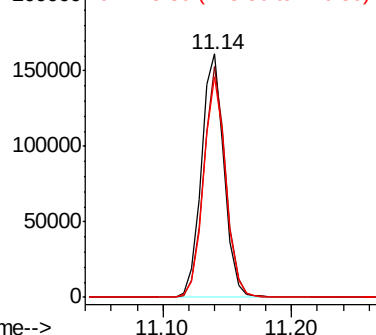
176 89.0 0.0 179.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

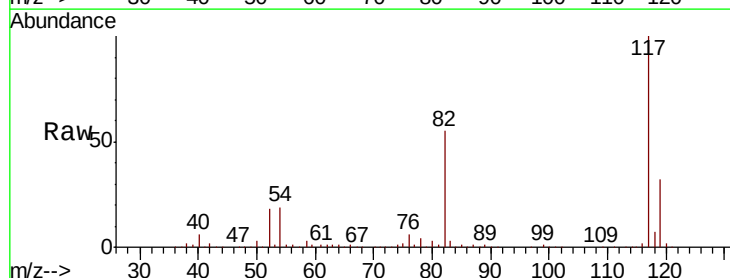
Tgt Ion: 117 Resp: 387008

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.0

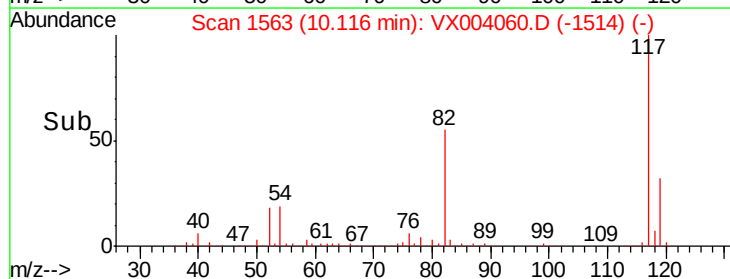
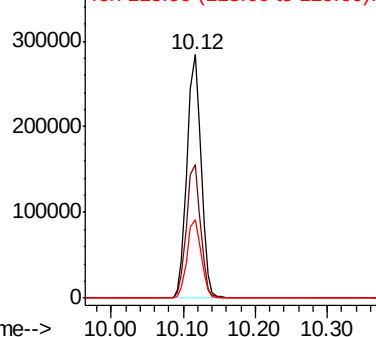
119 32.1 26.6 40.0

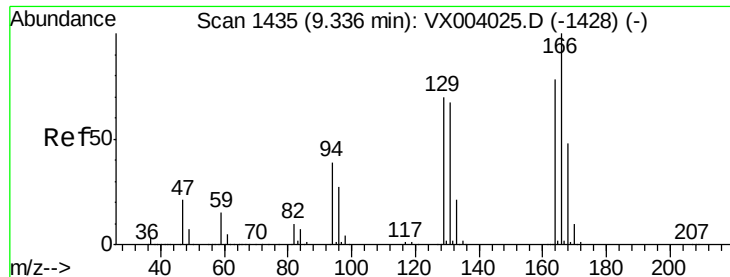


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 9.88 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

Instrument :

MSVOA_X

ClientSampleId :

DUP2-SRI3

Tot Ion:164 Resp: 36241

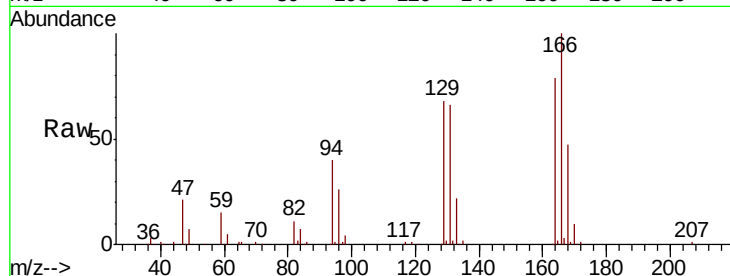
Ion Ratio Lower Upper

164 100

166 126.0 98.0 147.0

129 85.3 64.3 96.5

131 83.0 66.8 100.2



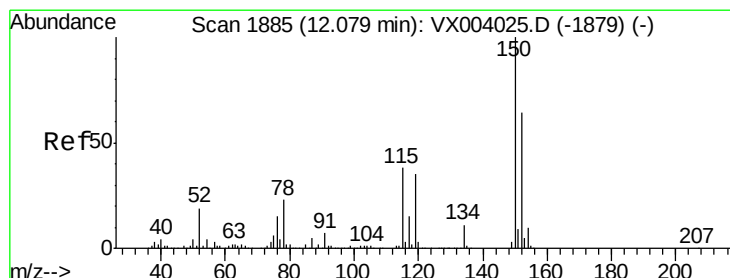
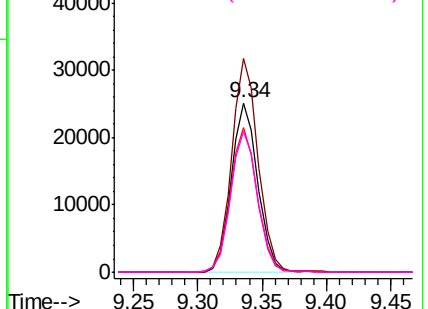
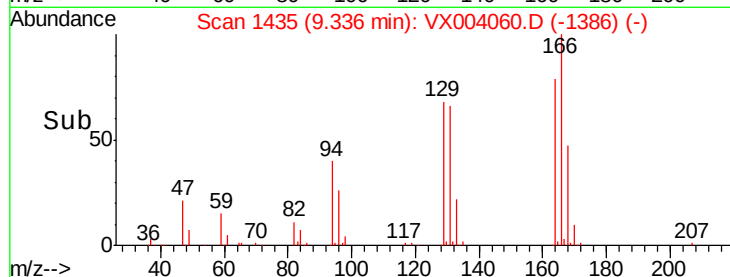
Abundance

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: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004060.D

Acq: 15 Aug 2018 06:07

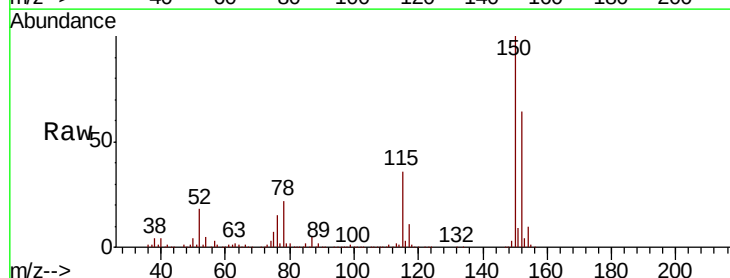
Tgt Ion:152 Resp: 211634

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.3

150 156.1 0.0 349.2



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

