

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005123.D
 Acq On : 08 Oct 2018 13:21
 Operator : JC/MD
 Sample : J5189-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-131D3-20180927

Quant Time: Oct 09 12:50:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

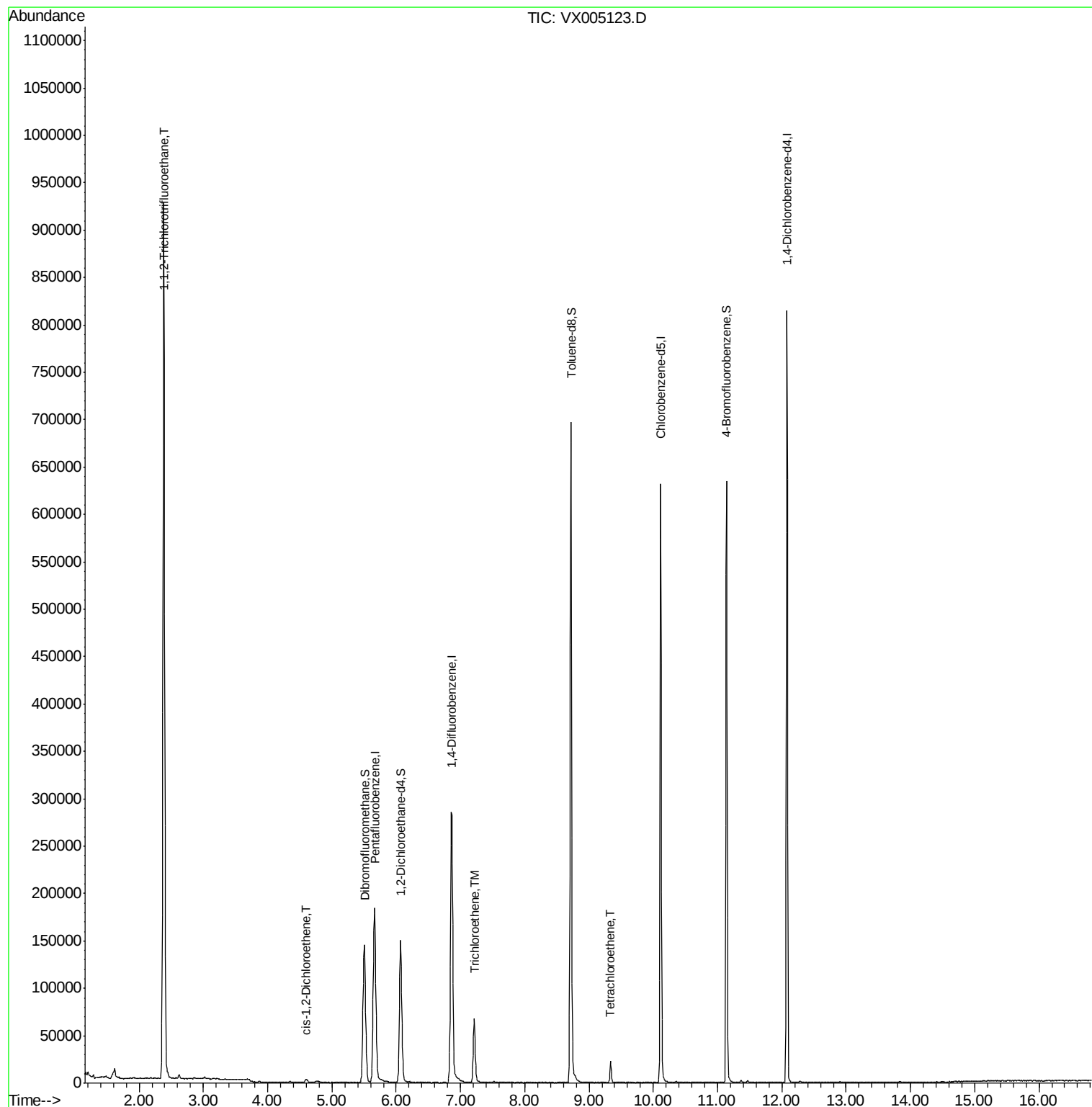
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301912	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169228	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	143505	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
35) Dibromofluoromethane	5.50	113	123360	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
50) Toluene-d8	8.72	98	437939	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	157788	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.39	101	369293	178.02	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	1738	0.69	ug/l	76
44) Trichloroethene	7.21	130	27309	10.16	ug/l	96
64) Tetrachloroethene	9.34	164	4357	1.48	ug/l	96

(#) = 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# 740

Delta R.T. 0.01 min

Lab File: VX005123.D

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MSVOA_X

ClientSampleId :

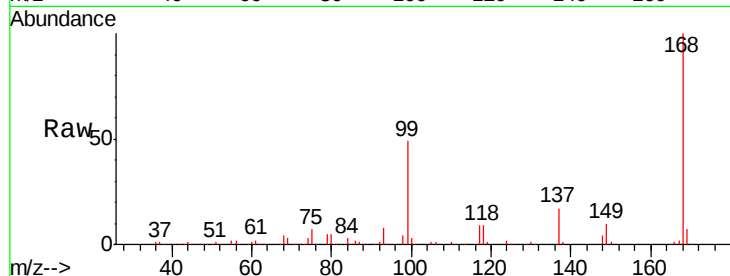
RE-131D3-20180927

Tgt Ion:168 Resp: 189607

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

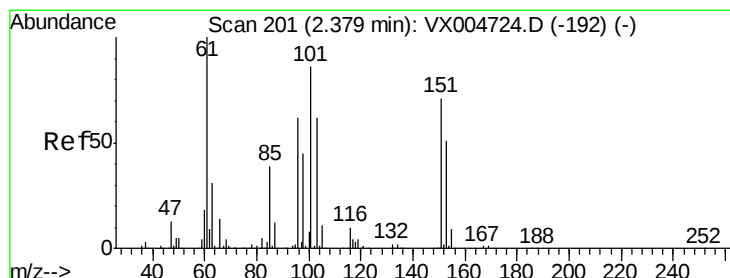
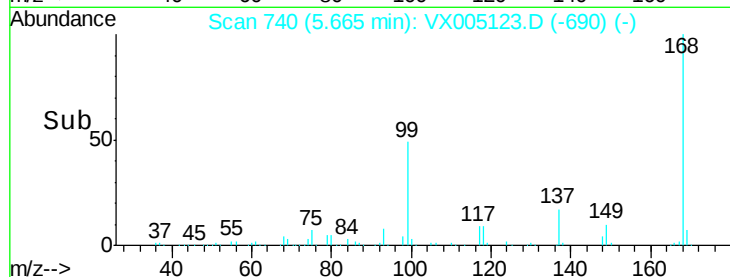
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 178.02 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

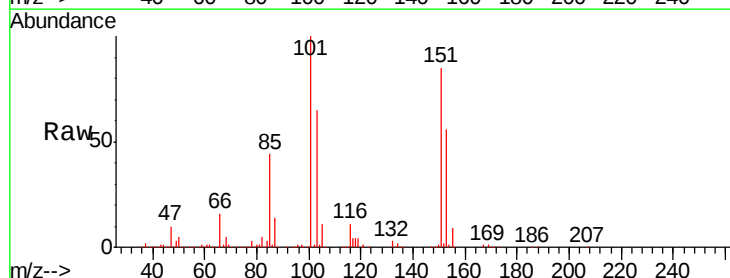
Tgt Ion:101 Resp: 369293

Ion Ratio Lower Upper

101 100

85 44.2 35.9 53.9

151 83.5 66.6 100.0



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

2.39

250000

200000

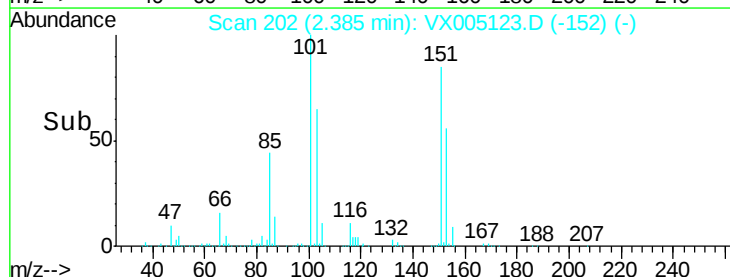
150000

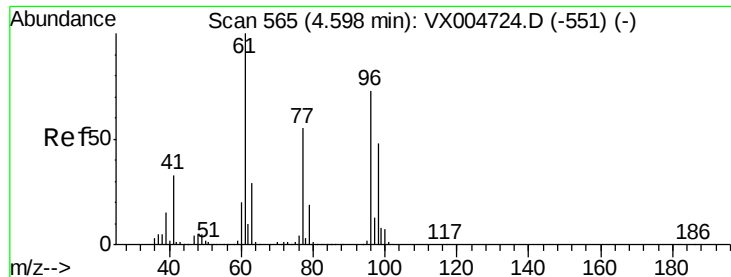
100000

50000

0

Time--> 2.30 2.40 2.50





#27

cis-1,2-Dichloroethene

Concen: 0.69 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

RE-131D3-20180927

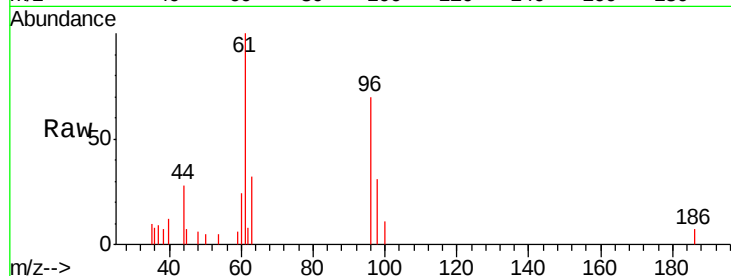
Tgt Ion: 96 Resp: 1738

Ion Ratio Lower Upper

96 100

61 183.8 0.0 285.8

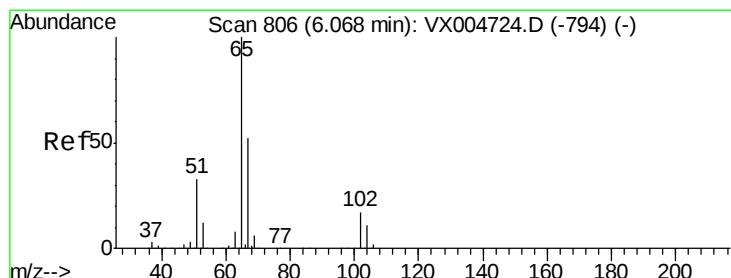
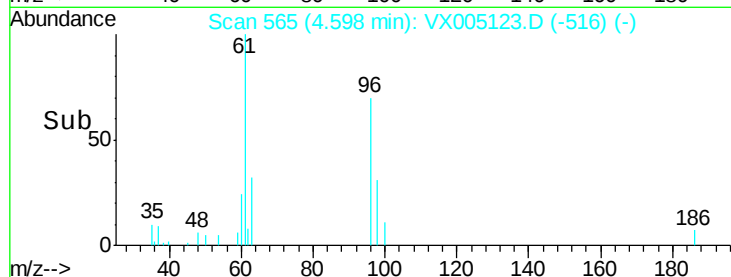
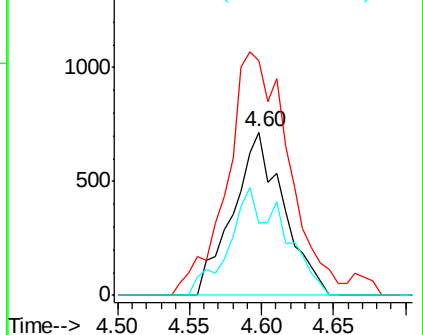
98 71.9 0.0 136.2



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



#33

1,2-Dichloroethane-d4

Concen: 52.98 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005123.D

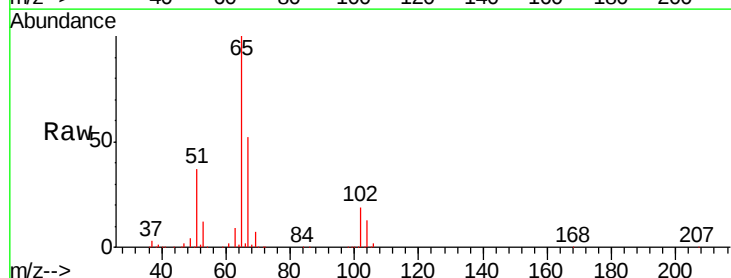
Acq: 08 Oct 2018 13:21

Tgt Ion: 65 Resp: 143505

Ion Ratio Lower Upper

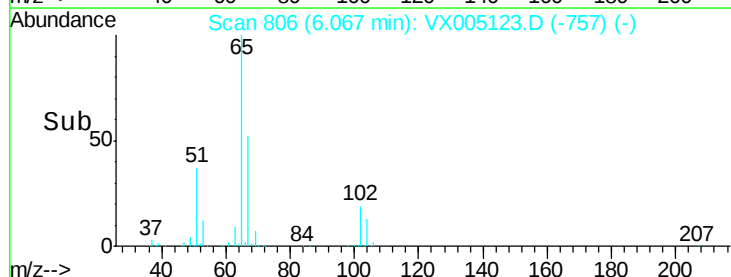
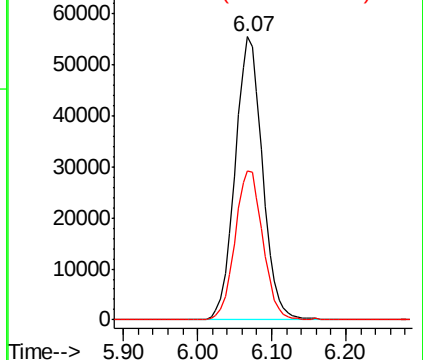
65 100

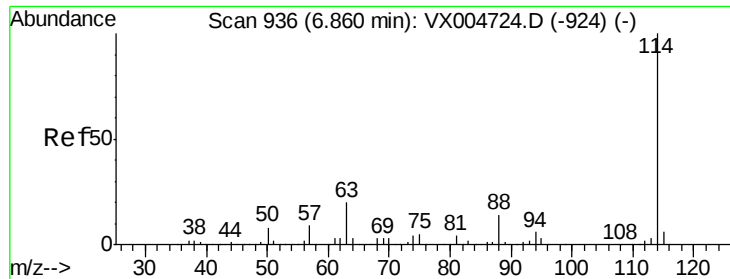
67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

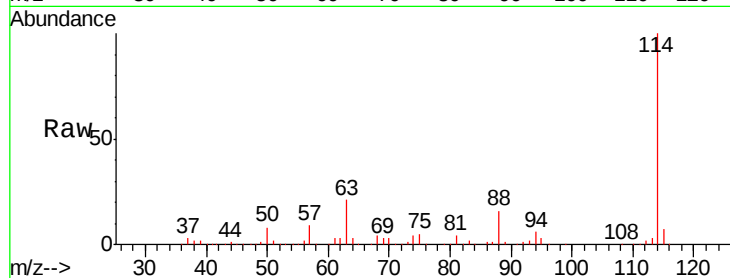




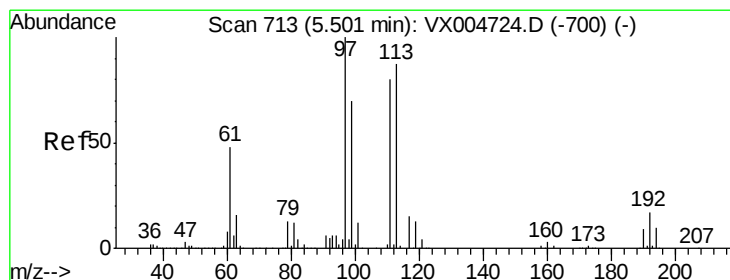
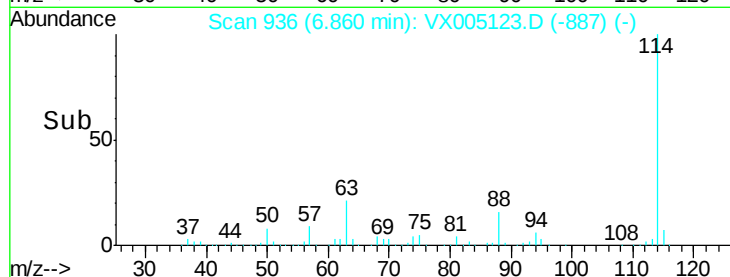
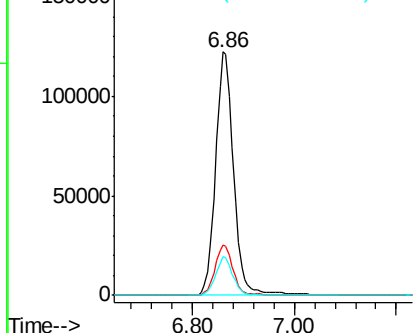
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005123.D
 Acq: 08 Oct 2018 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-131D3-20180927

Tgt Ion:114 Resp: 301912
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.8
 88 15.9 0.0 27.0

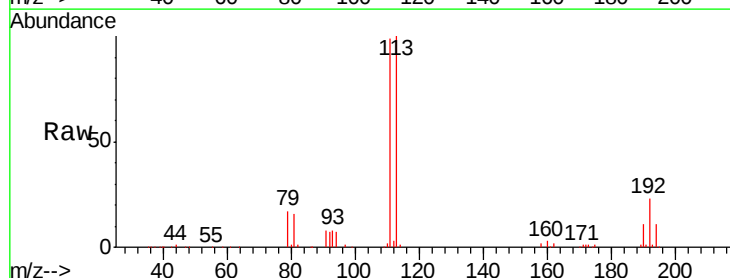


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

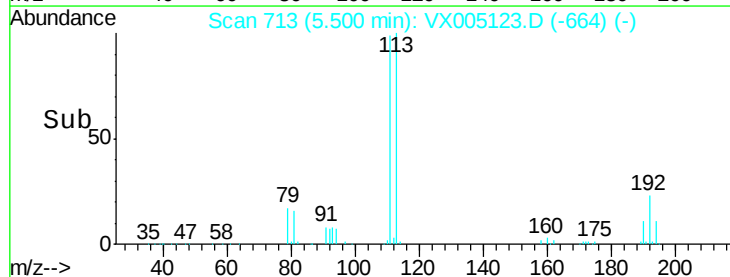
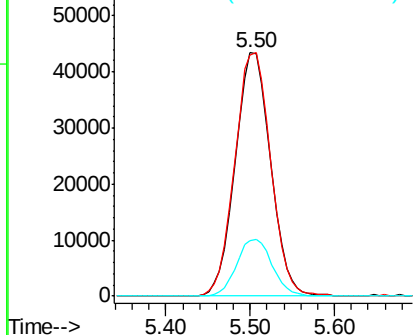


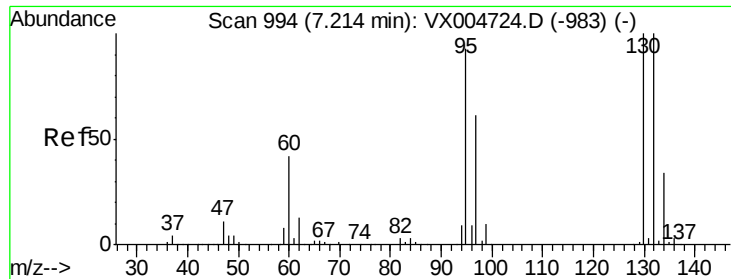
#35
 Dibromofluoromethane
 Concen: 48.21 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005123.D
 Acq: 08 Oct 2018 13:21

Tgt Ion:113 Resp: 123360
 Ion Ratio Lower Upper
 113 100
 111 101.8 77.0 115.4
 192 23.6 17.0 25.6



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: 10.16 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

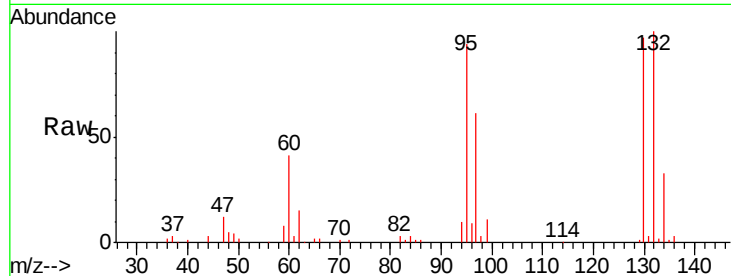
RE-131D3-20180927

Tgt Ion:130 Resp: 27309

Ion Ratio Lower Upper

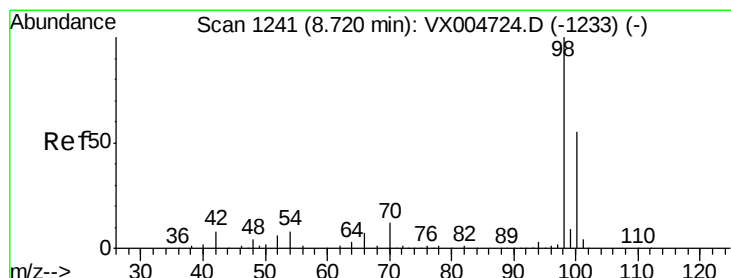
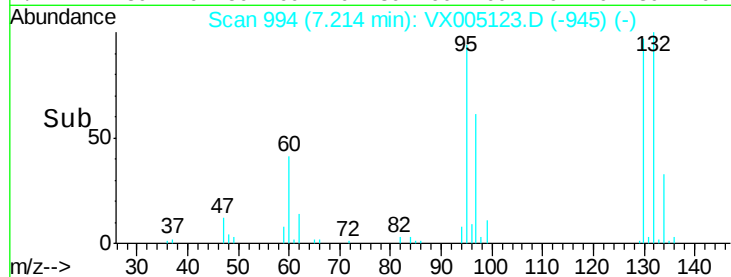
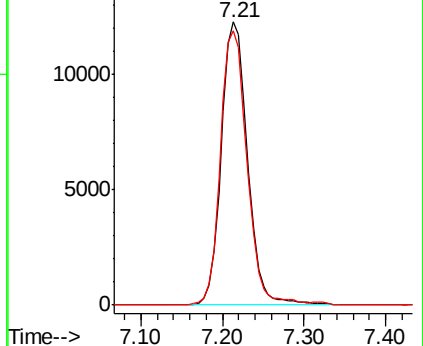
130 100

95 96.9 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.48 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005123.D

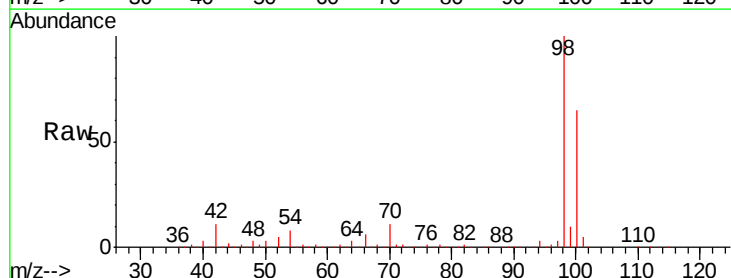
Acq: 08 Oct 2018 13:21

Tgt Ion: 98 Resp: 437939

Ion Ratio Lower Upper

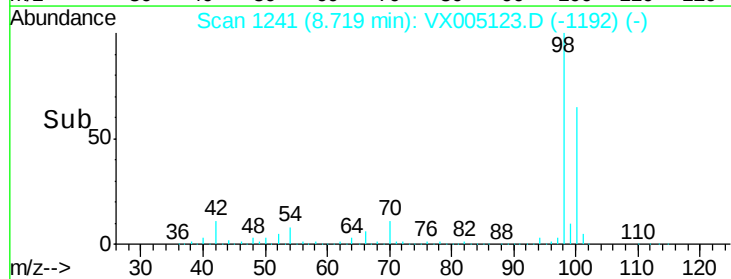
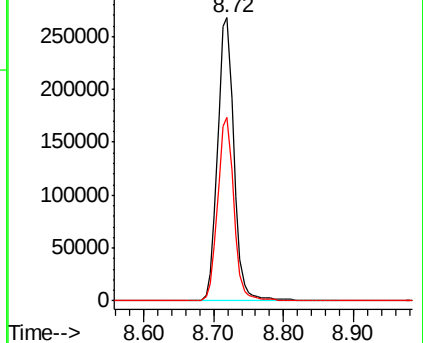
98 100

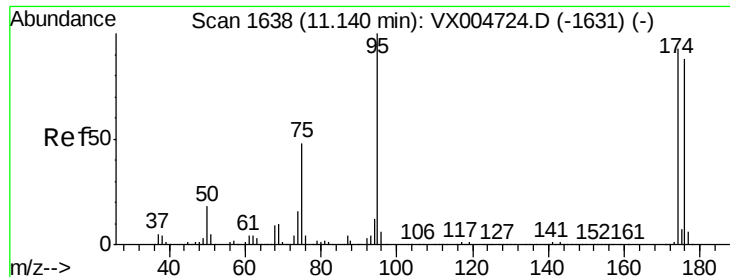
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.49 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

RE-131D3-20180927

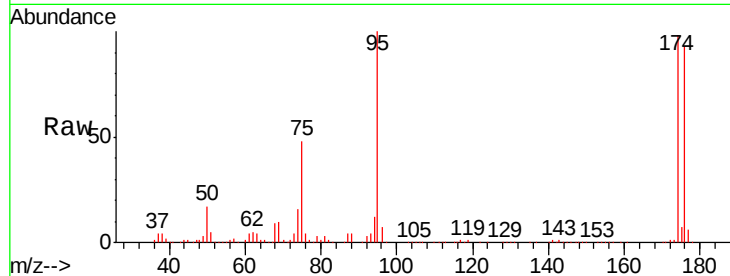
Tgt Ion: 95 Resp: 157788

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.0

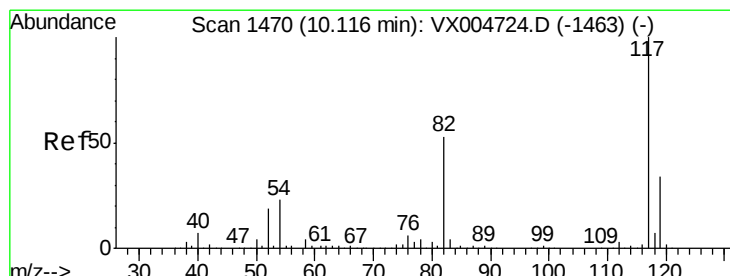
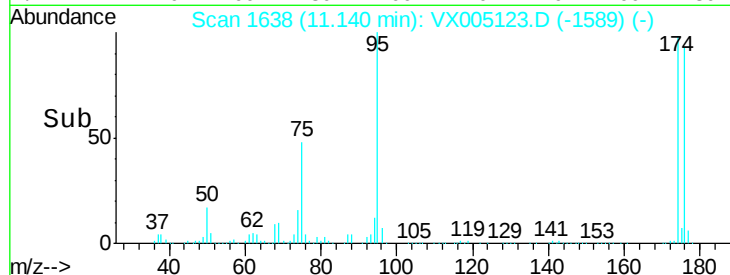
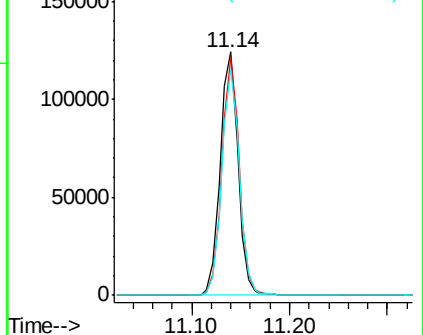
176 91.6 0.0 180.2



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# 1470

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

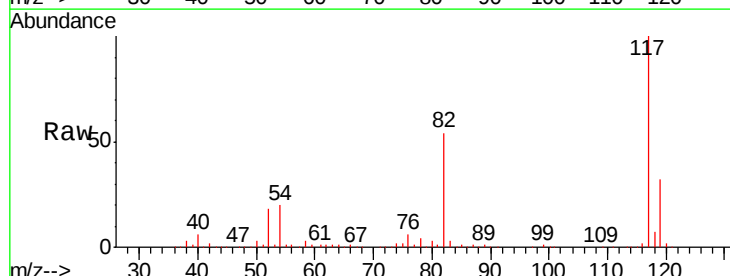
Tgt Ion: 117 Resp: 298746

Ion Ratio Lower Upper

117 100

82 54.0 42.2 63.4

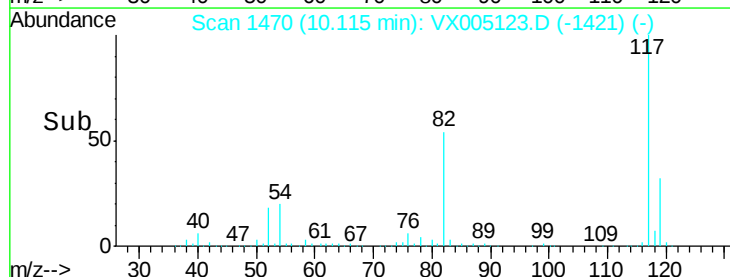
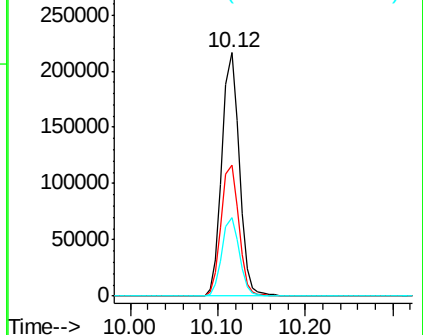
119 32.3 27.4 41.0

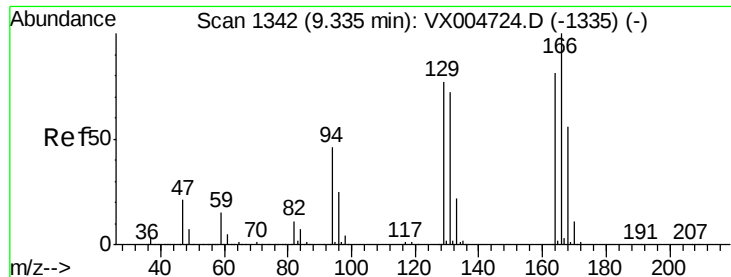


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.48 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:164 Resp: 4357

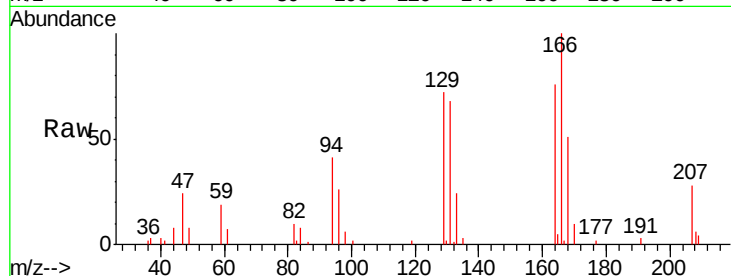
Ion Ratio Lower Upper

164 100

166 131.9 98.4 147.6

129 95.5 76.1 114.1

131 90.0 71.0 106.4

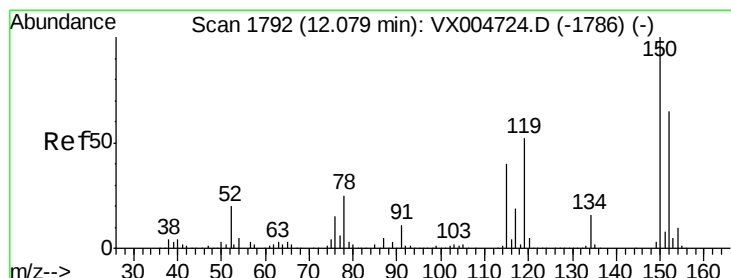
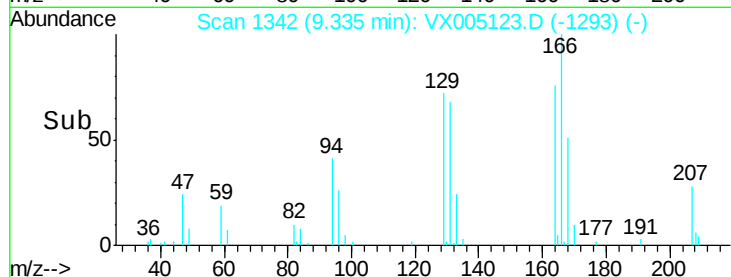
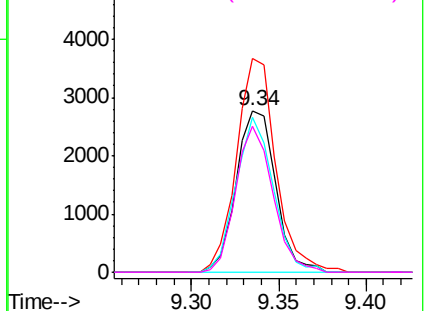


Abundance Ion 163.80 (163.50 to 164.50): V

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# 1792

Delta R.T. -0.00 min

Lab File: VX005123.D

Acq: 08 Oct 2018 13:21

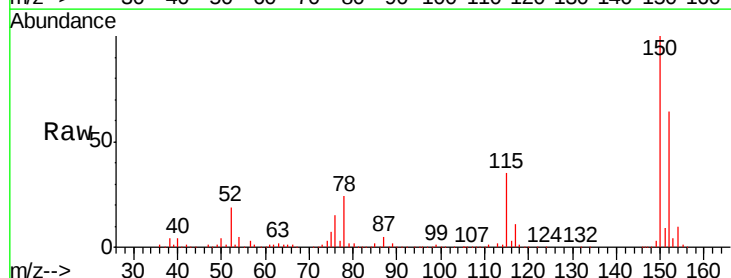
Tgt Ion:152 Resp: 169228

Ion Ratio Lower Upper

152 100

115 54.6 40.2 120.6

150 156.2 0.0 351.0



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

