

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072518\
 Data File : VX003658.D
 Acq On : 25 Jul 2018 14:58
 Operator : JC/SP
 Sample : J4073-11DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-071718DL

Quant Time: Jul 26 01:49:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	91988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	143810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	88213	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	66461	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
35) Dibromofluoromethane	5.51	113	53878	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
50) Toluene-d8	8.72	98	203091	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	
62) 4-Bromofluorobenzene	11.14	95	69480	42.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.92%	

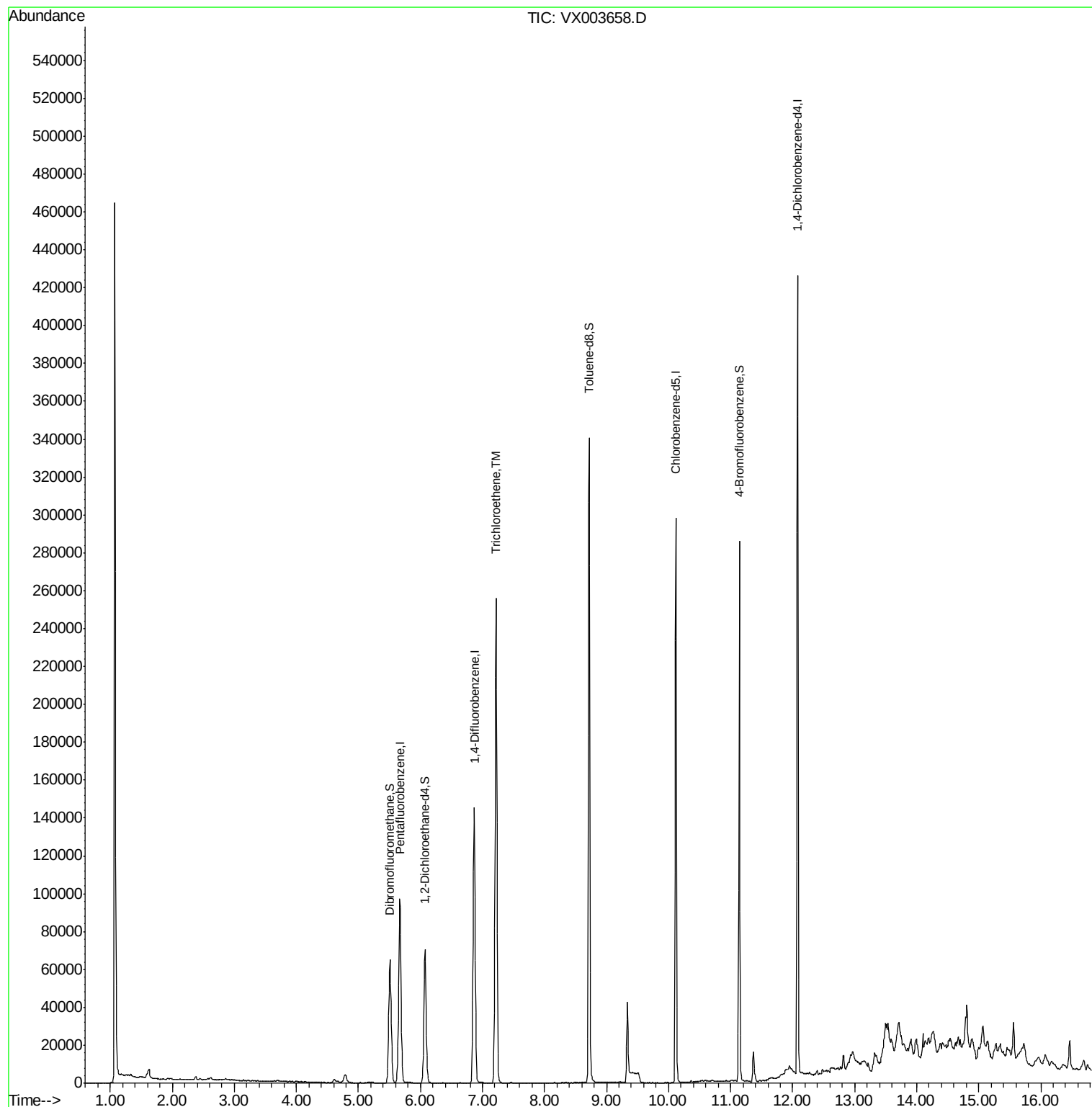
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Trichloroethene	7.22	130	99707	74.76	ug/l	99

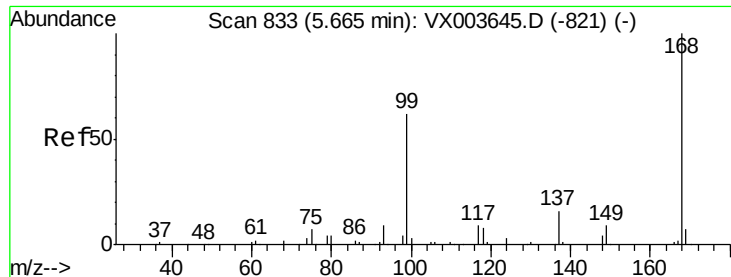
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

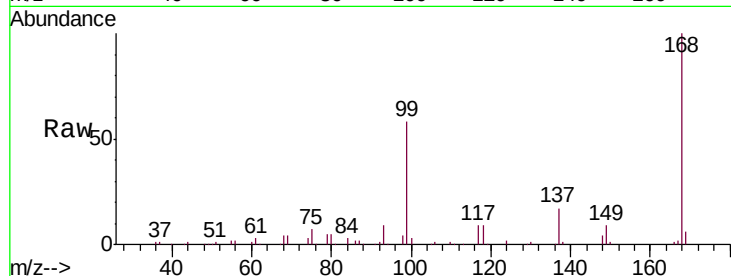
RE108D2-071718DL

Tot Ion:168 Resp: 91988

Ion Ratio Lower Upper

168 100

99 58.3 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

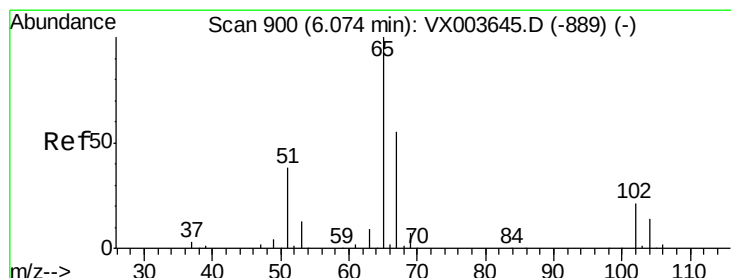
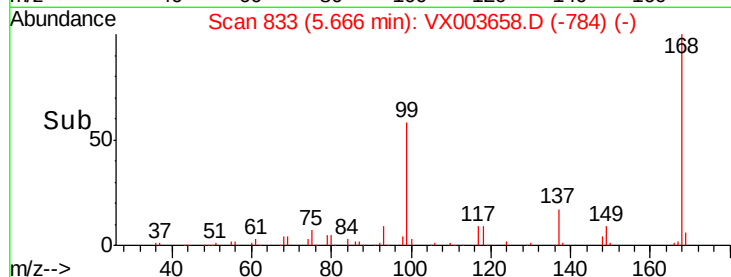
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003658.D

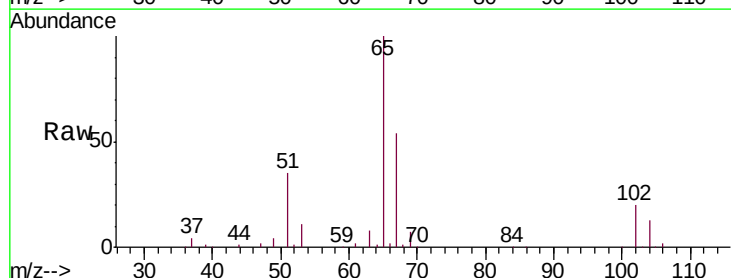
Acq: 25 Jul 2018 14:58

Tgt Ion: 65 Resp: 66461

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

30000

25000

20000

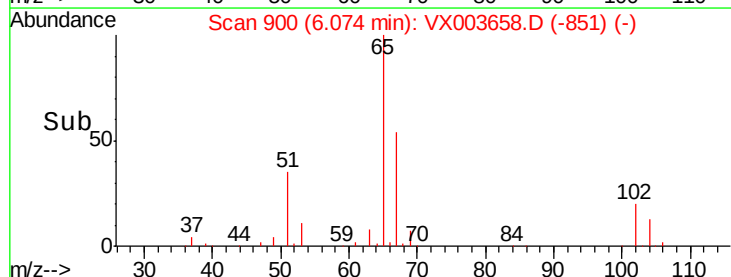
15000

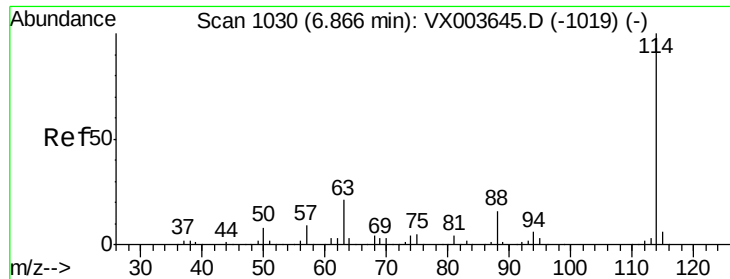
10000

5000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718DL

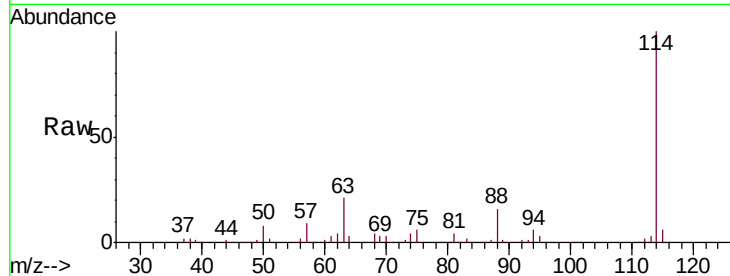
Tot Ion:114 Resp: 143810

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

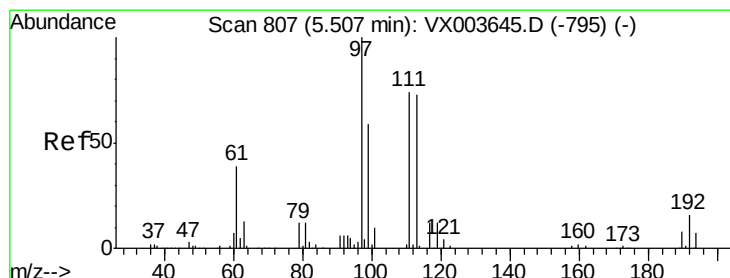
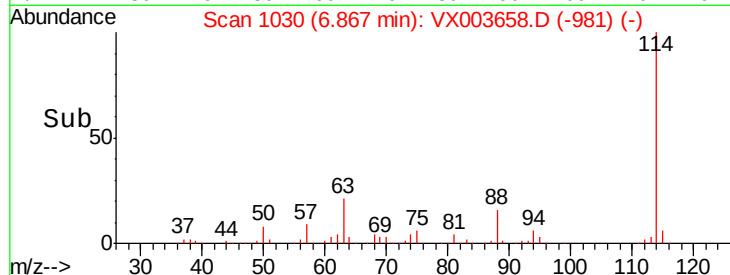
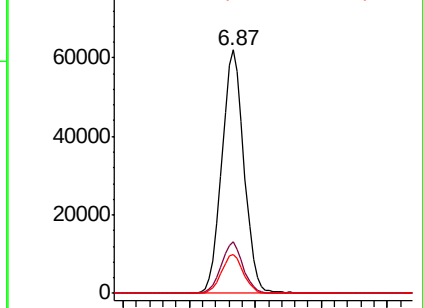
88 15.8 0.0 31.8



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: 45.83 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

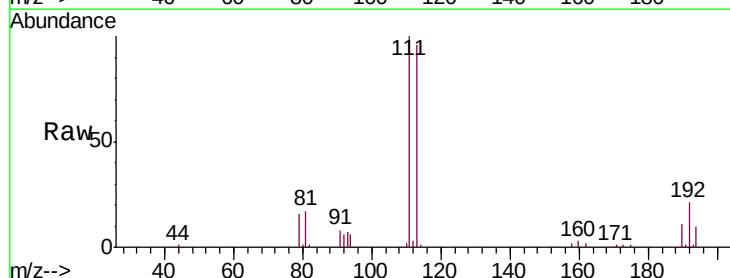
Tgt Ion:113 Resp: 53878

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

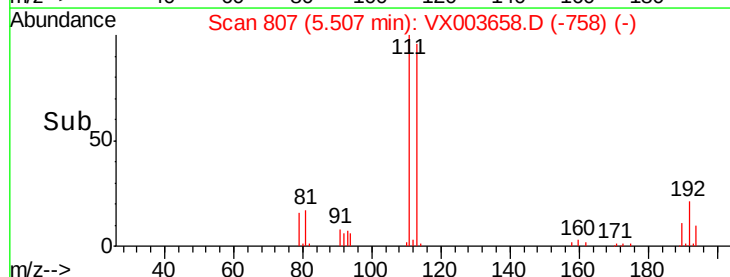
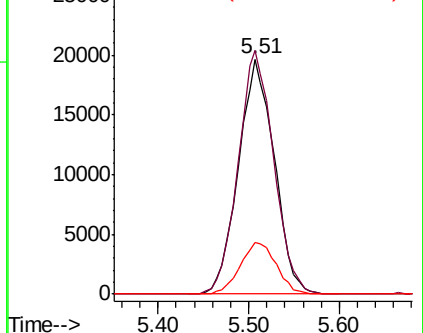
192 22.1 18.2 27.4

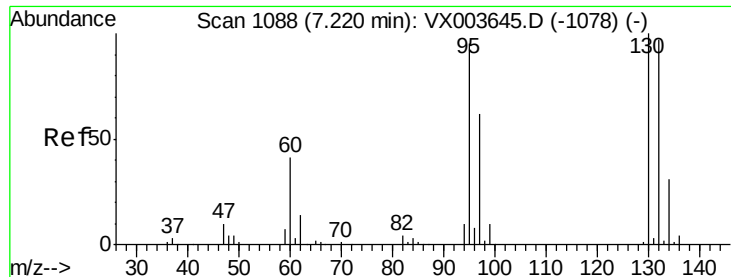


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 74.76 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

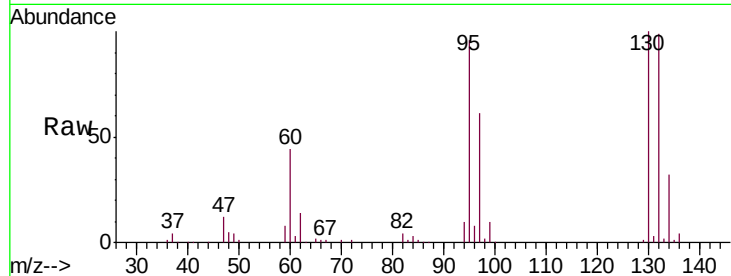
RE108D2-071718DL

Tot Ion:130 Resp: 99707

Ion Ratio Lower Upper

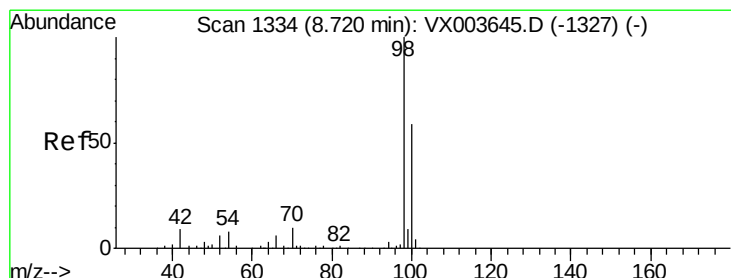
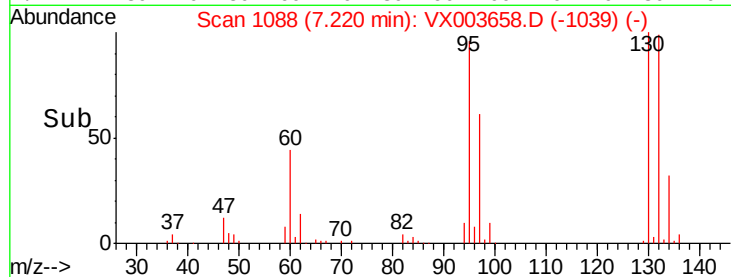
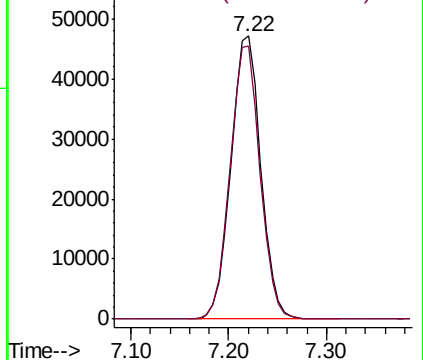
130 100

95 96.3 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 45.27 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003658.D

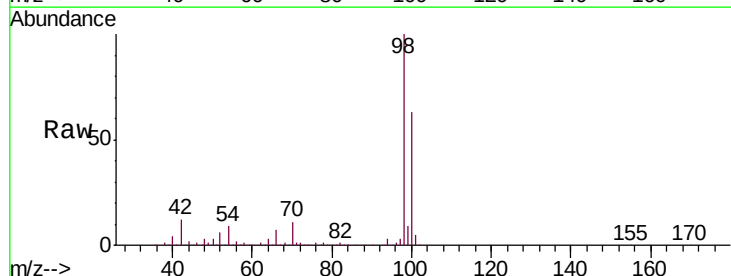
Acq: 25 Jul 2018 14:58

Tgt Ion: 98 Resp: 203091

Ion Ratio Lower Upper

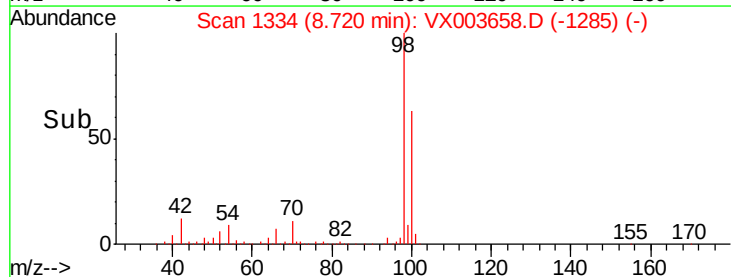
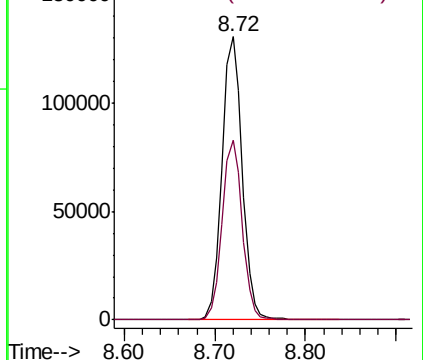
98 100

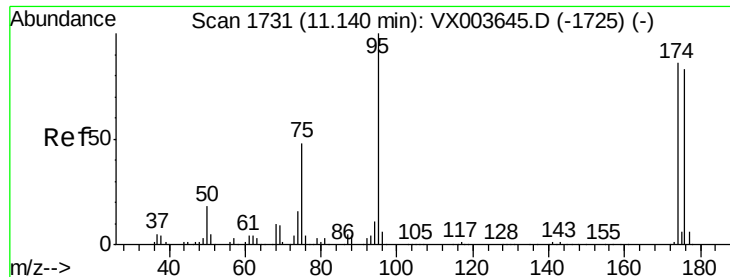
100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718DL

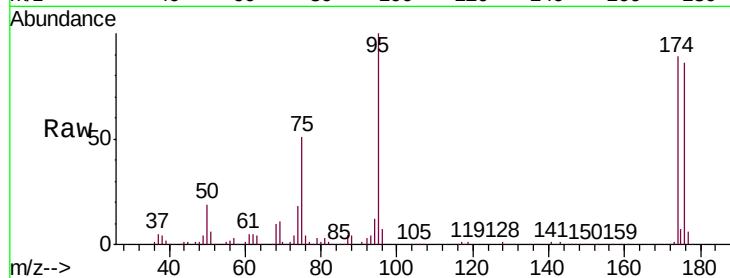
Tot Ion: 95 Resp: 69480

Ion Ratio Lower Upper

95 100

174 88.6 0.0 179.0

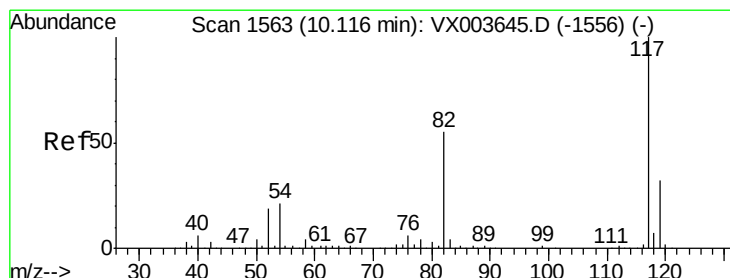
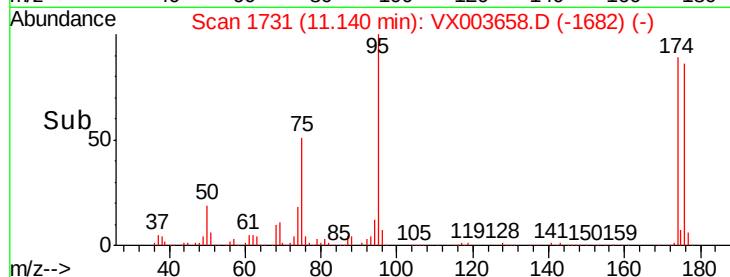
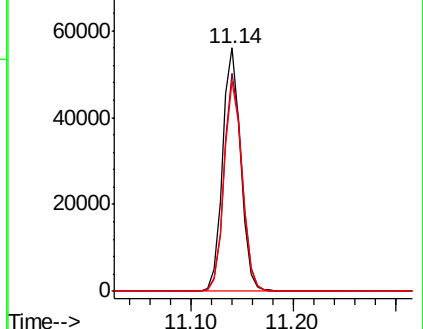
176 85.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX003645.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX003645.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX003645.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

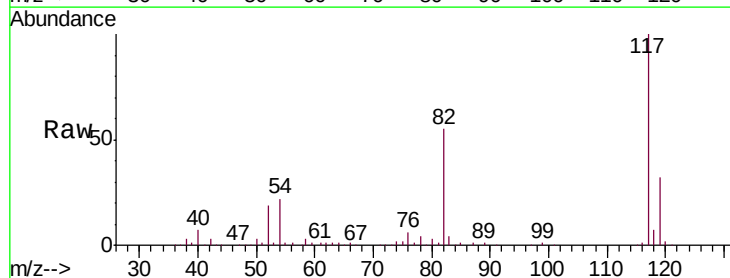
Tgt Ion: 117 Resp: 133384

Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

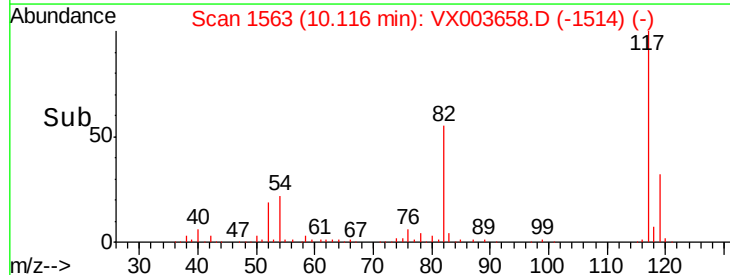
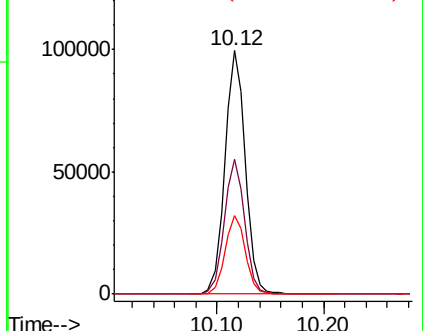
119 32.5 25.6 38.4

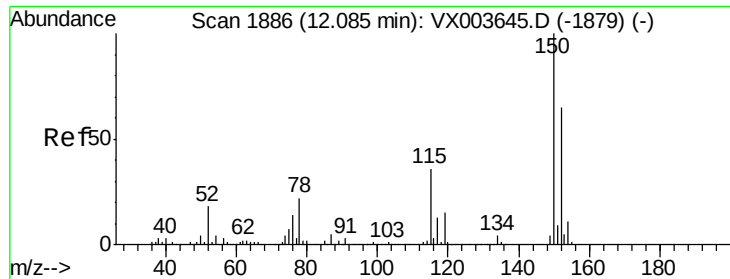


Abundance Ion 116.90 (116.60 to 117.60): VX003645.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003645.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003645.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003658.D

Acq: 25 Jul 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-071718DL

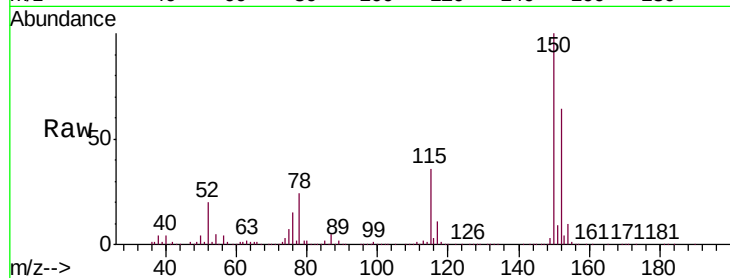
Tot Ion:152 Resp: 88213

Ion Ratio Lower Upper

152 100

115 56.0 40.0 119.9

150 155.3 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

150000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

