

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000303.D
 Acq On : 13 Mar 2018 16:38
 Operator : JC/MD
 Sample : J1898-14 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-COMP

Quant Time: Mar 14 01:15:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

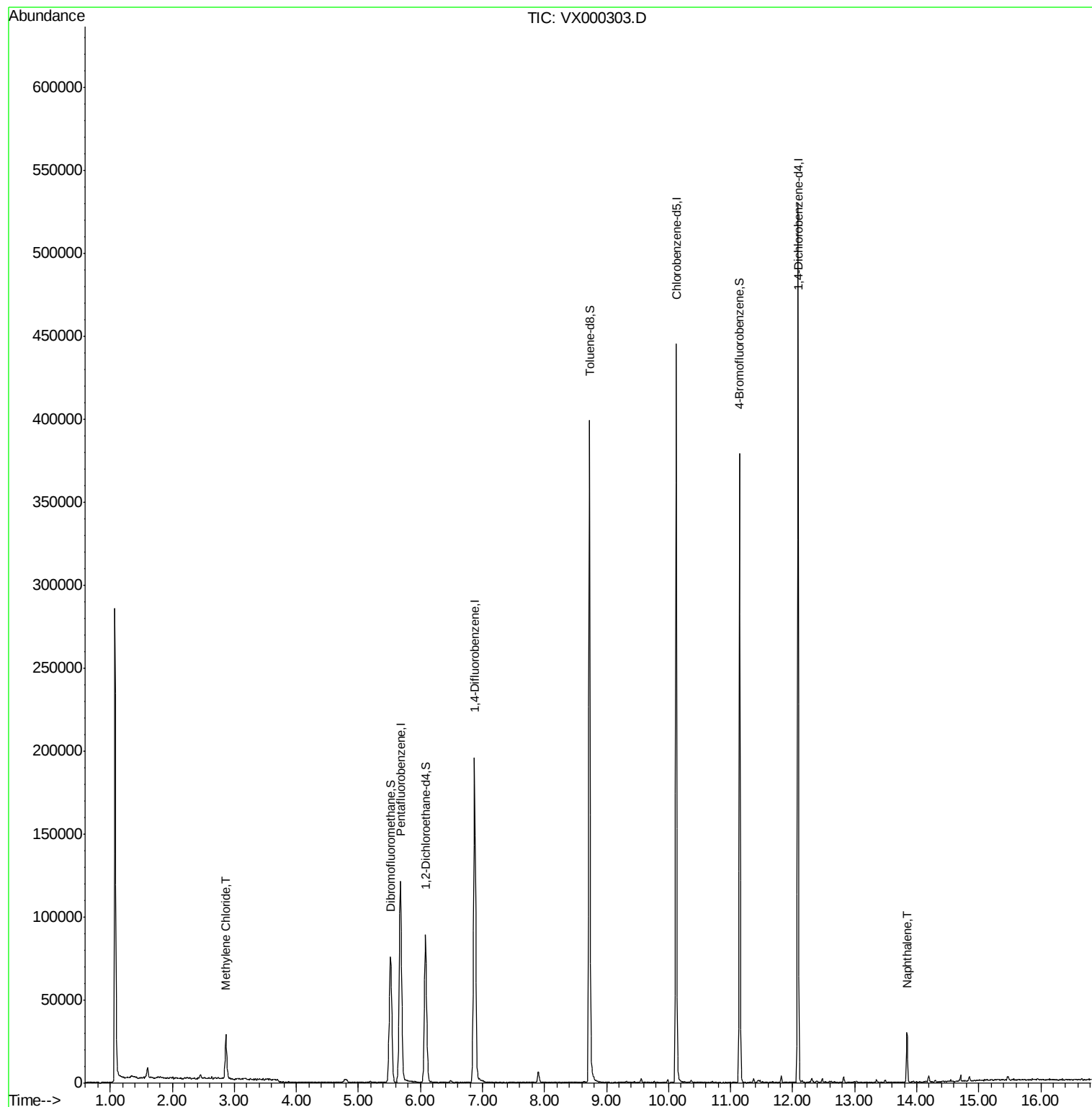
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	113606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	196760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	82427	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
35) Dibromofluoromethane	5.52	113	62103	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
50) Toluene-d8	8.73	98	232981	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
62) 4-Bromofluorobenzene	11.15	95	85679	42.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.76%	
Target Compounds						
20) Methylene Chloride	2.87	84	10902	8.08	ug/l	88
95) Naphthalene	13.84	128	17921	2.35	ug/l	99

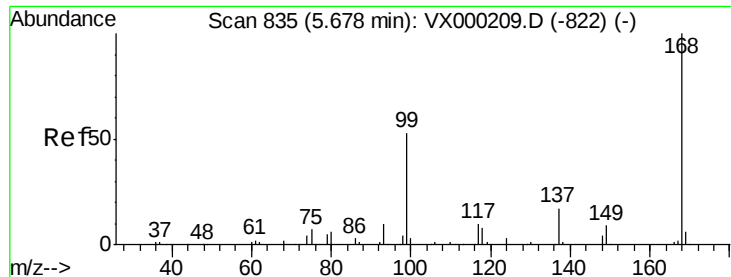
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 836

Delta R.T. 0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

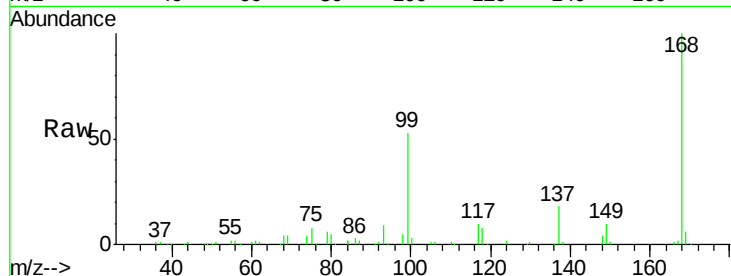
TP-12-COMP

Tot Ion:168 Resp: 113606

Ion Ratio Lower Upper

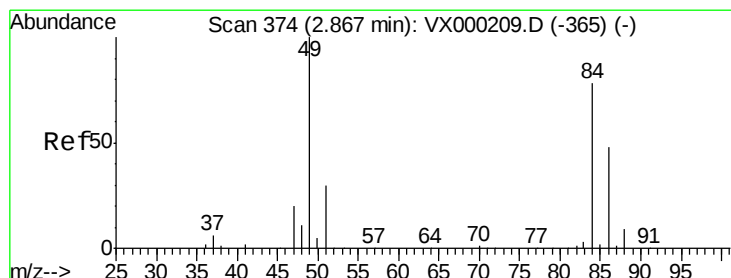
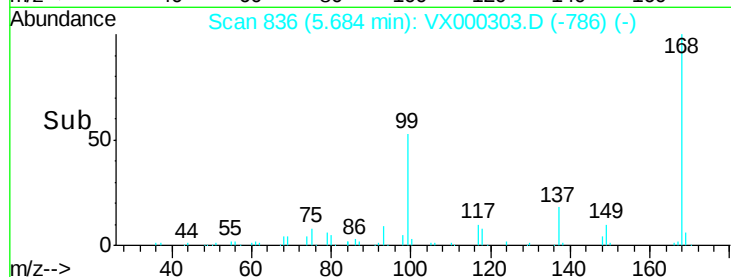
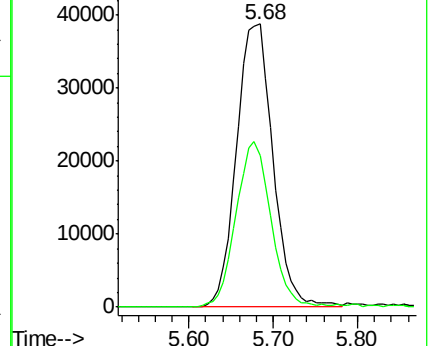
168 100

99 53.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#20

Methylene Chloride

Concen: 8.08 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Tgt Ion: 84 Resp: 10902

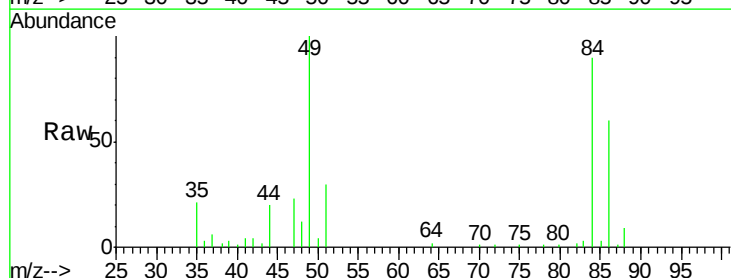
Ion Ratio Lower Upper

84 100

49 111.0 102.1 153.1

51 32.2 30.6 45.8

86 66.9 49.0 73.6

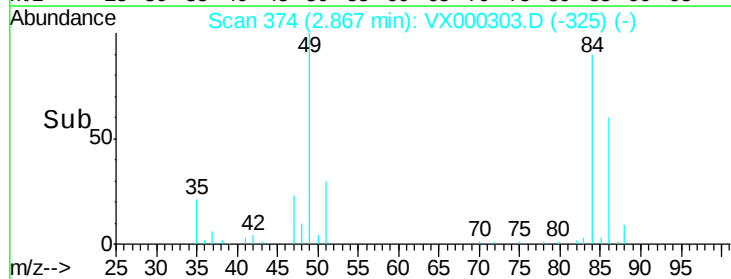
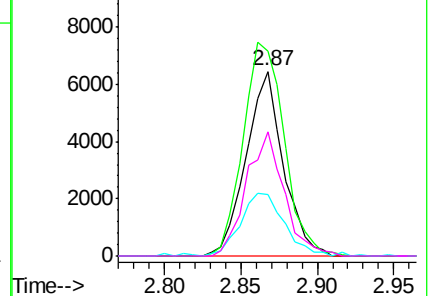


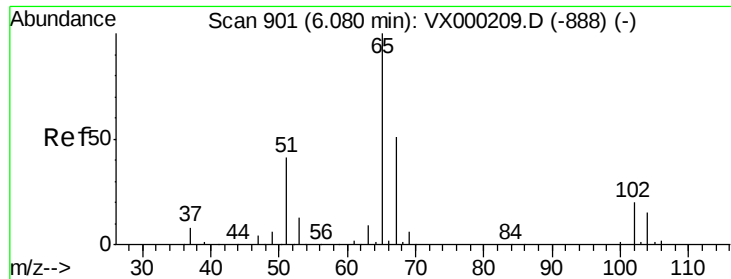
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.34 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

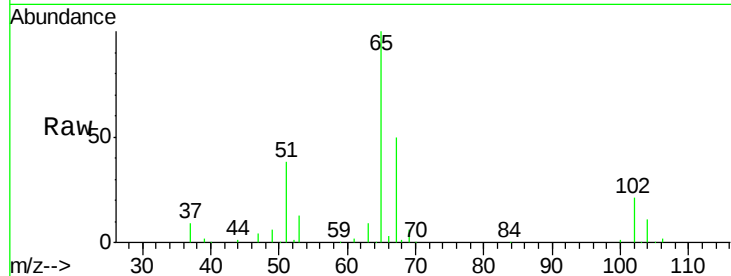
TP-12-COMP

Tot Ion: 65 Resp: 82427

Ion Ratio Lower Upper

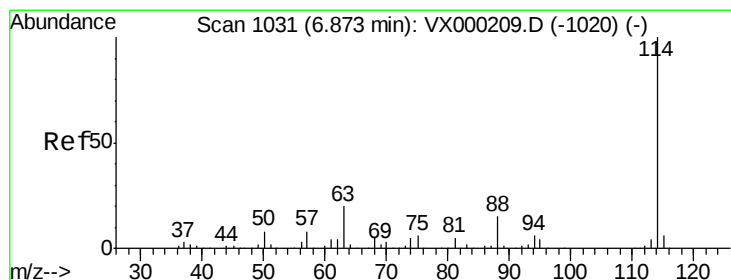
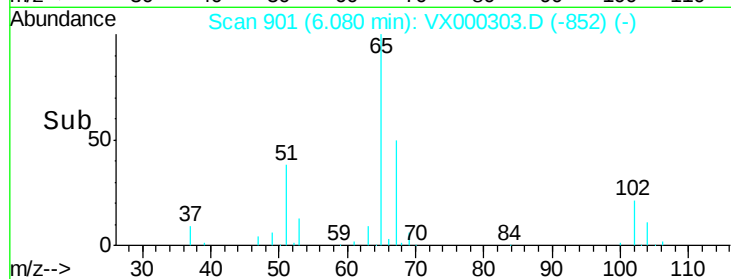
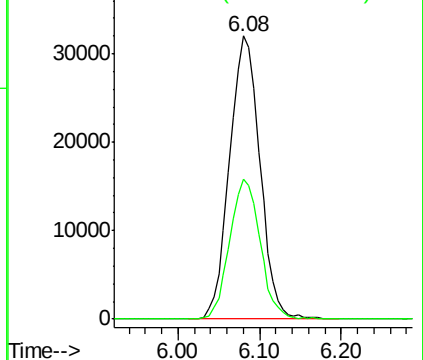
65 100

67 49.4 0.0 103.4



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: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

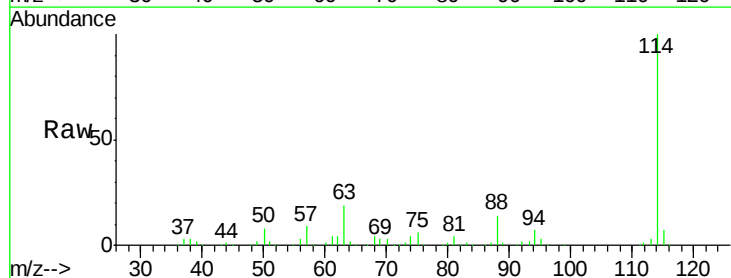
Tgt Ion: 114 Resp: 196760

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

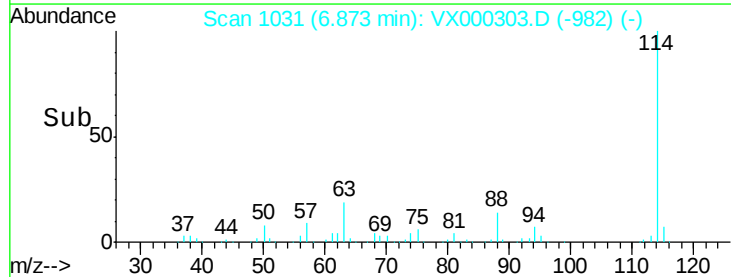
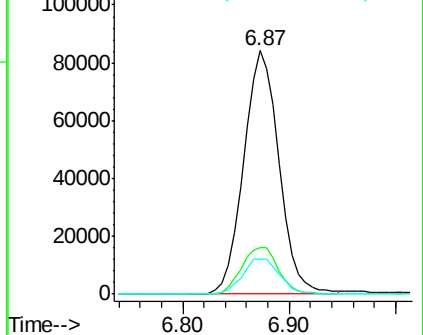
88 14.2 0.0 29.8

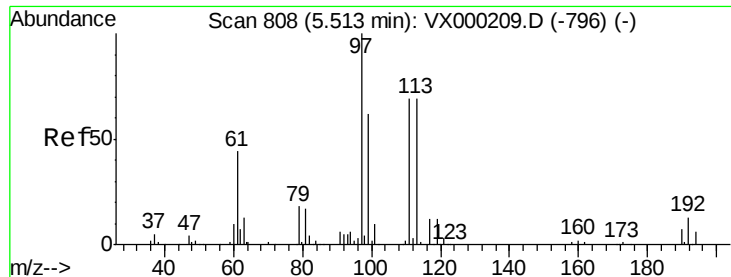


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

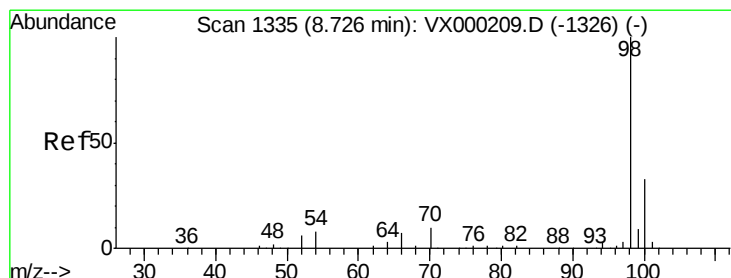
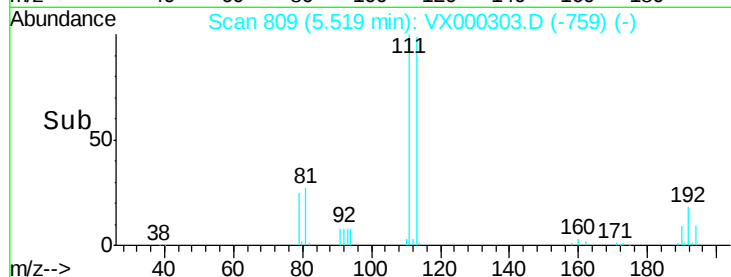
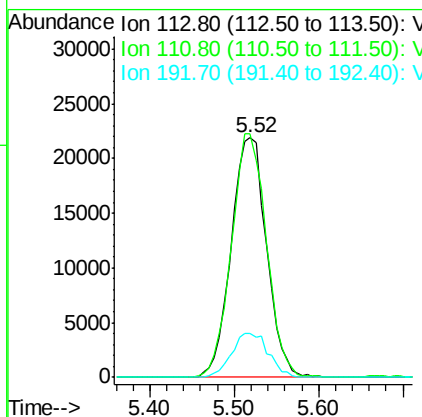
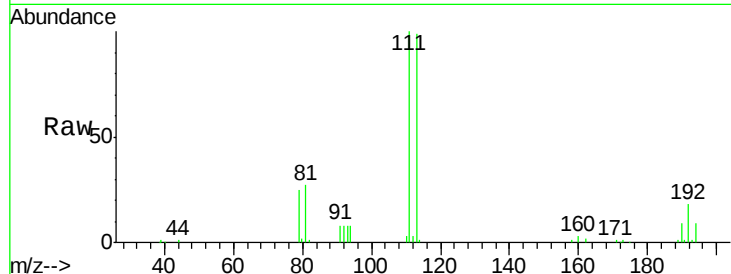




#35
 Dibromofluoromethane
 Concen: 50.25 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000303.D
 Acq: 13 Mar 2018 16:38

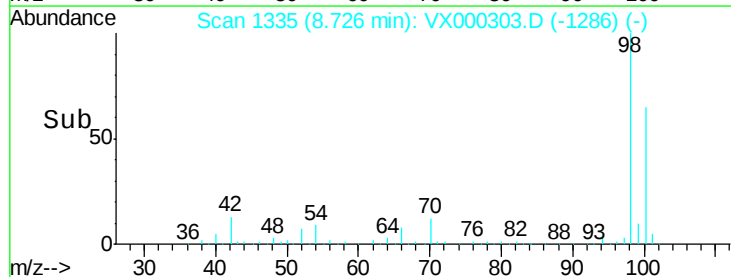
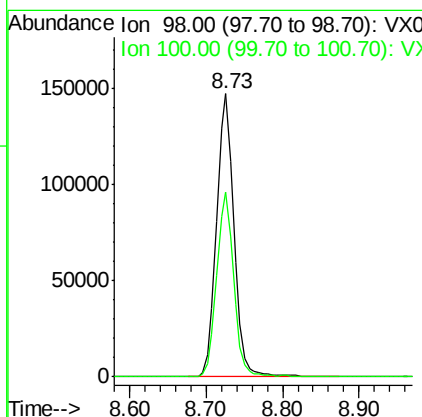
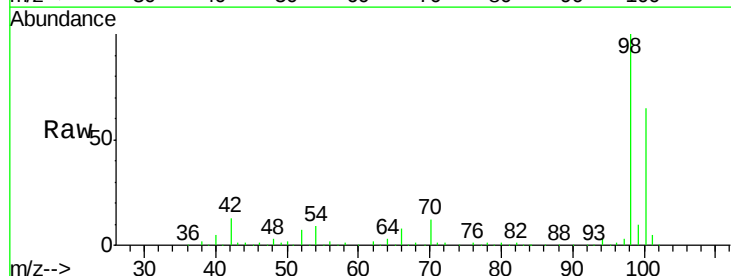
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-COMP

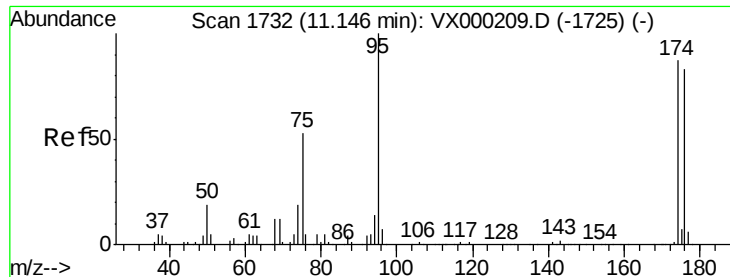
Tot Ion:113 Resp: 62103
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.0 124.6
 192 19.3 15.5 23.3



#50
 Toluene-d8
 Concen: 45.51 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VX000303.D
 Acq: 13 Mar 2018 16:38

Tgt Ion: 98 Resp: 232981
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 42.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

TP-12-COMP

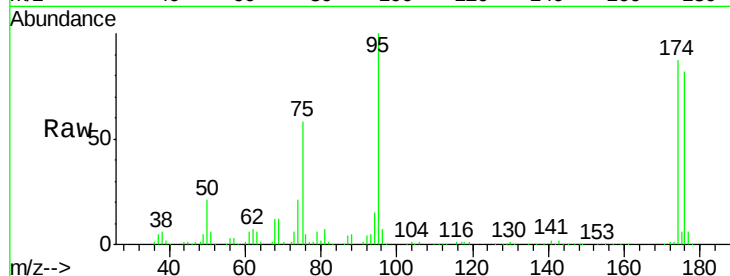
Tot Ion: 95 Resp: 85679

Ion Ratio Lower Upper

95 100

174 85.9 0.0 175.6

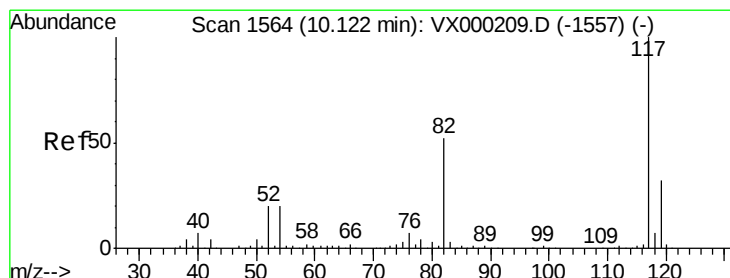
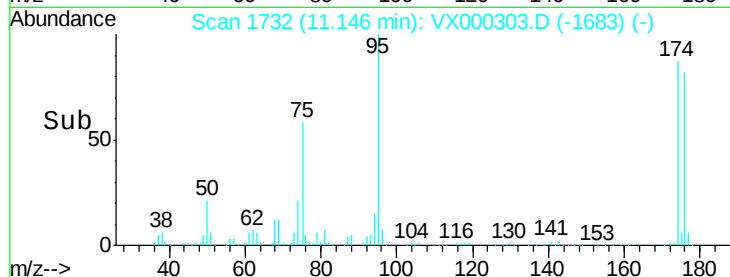
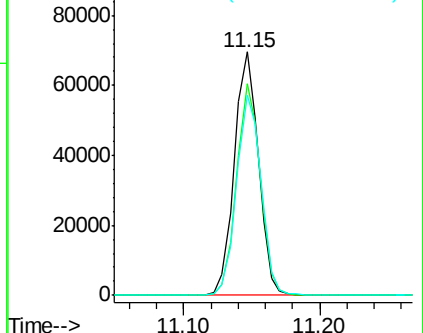
176 83.7 0.0 171.0



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# 1564

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

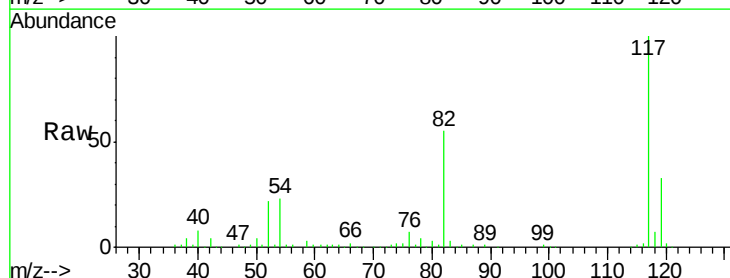
Tgt Ion: 117 Resp: 186479

Ion Ratio Lower Upper

117 100

82 54.9 42.0 63.0

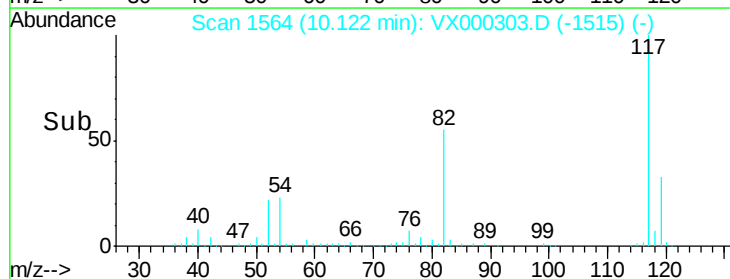
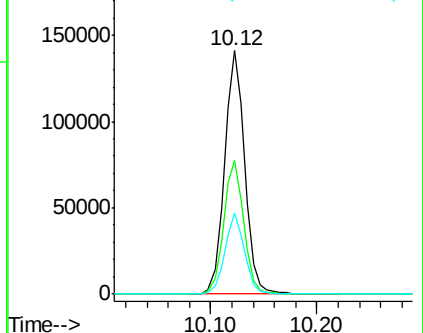
119 33.1 25.3 37.9

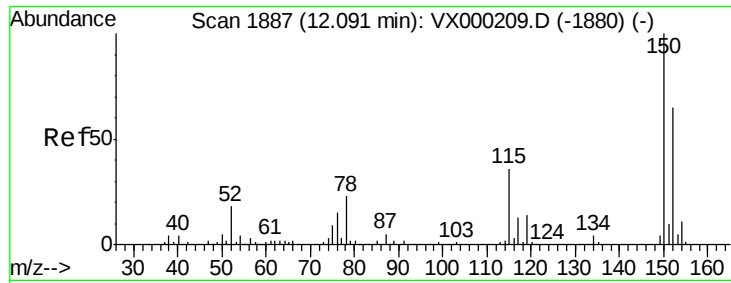


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

TP-12-COMP

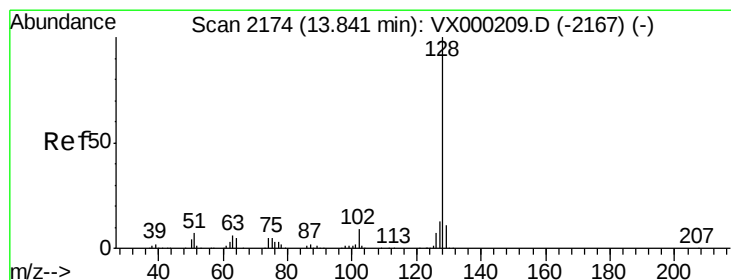
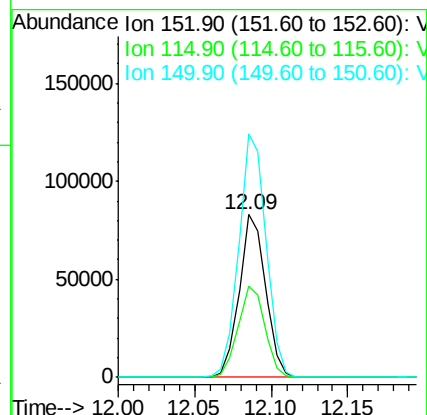
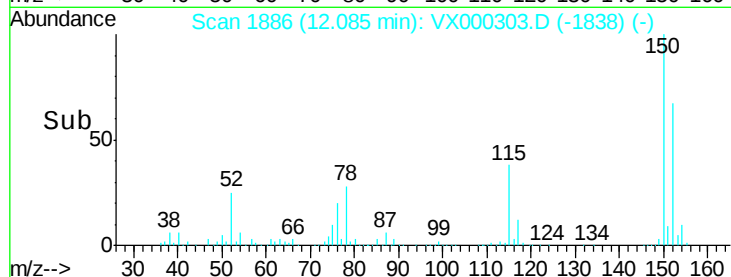
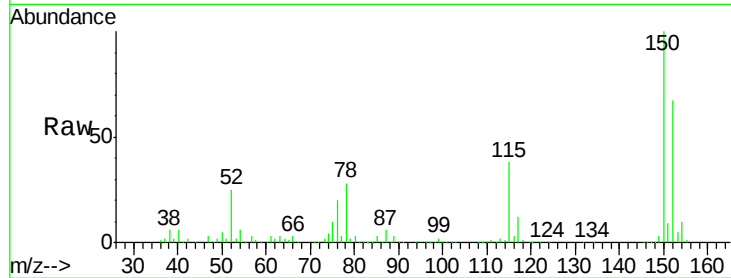
Tot Ion:152 Resp: 98799

Ion Ratio Lower Upper

152 100

115 57.6 39.8 119.3

150 154.9 0.0 345.0



#95

Naphthalene

Concen: 2.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000303.D

Acq: 13 Mar 2018 16:38

Tgt Ion:128 Resp: 17921

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.7 8.6 13.0

