

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002716.D
 Acq On : 19 Jun 2018 16:44
 Operator : JC/MD
 Sample : J3479-01DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-180611DL

Quant Time: Jun 20 16:59:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

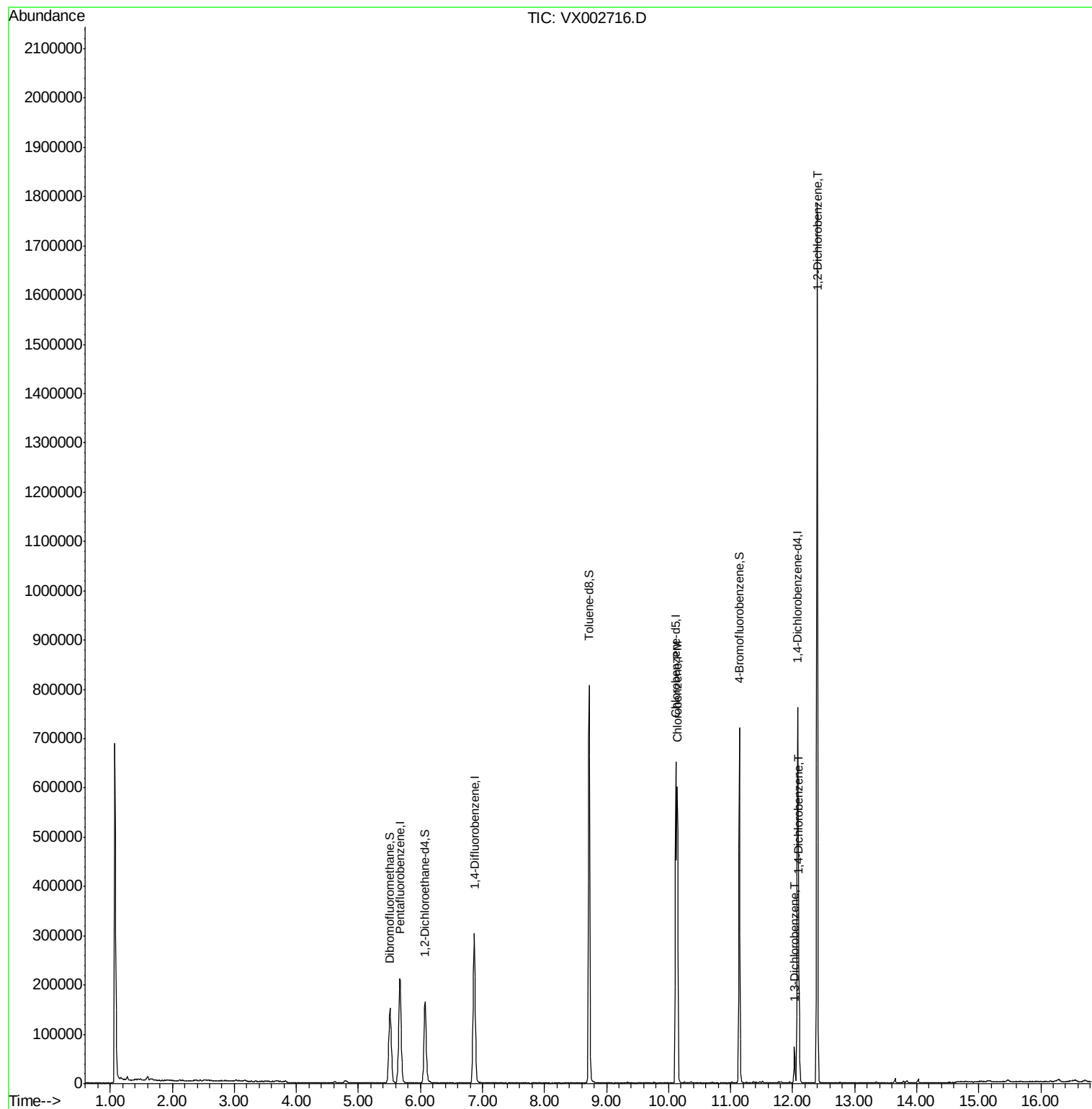
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157982	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	157608	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
35) Dibromofluoromethane	5.51	113	122834	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
50) Toluene-d8	8.72	98	468074	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	164418	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
65) Chlorobenzene	10.14	112	242237	35.79	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	24031	4.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	72224	13.15	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	550701	101.36	ug/l	99

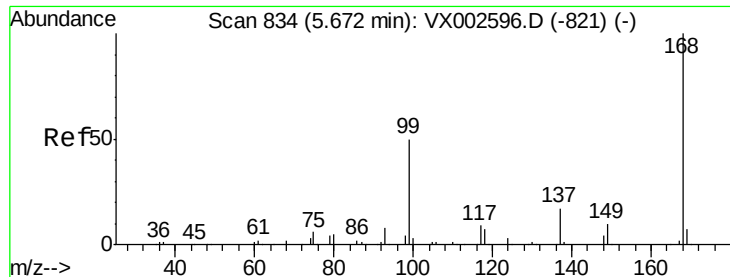
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

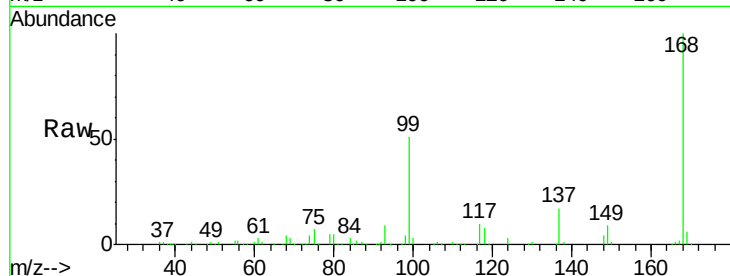
SS003RW114R-180611DL

Tot Ion:168 Resp: 214106

Ion Ratio Lower Upper

168 100

99 50.6 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

80000

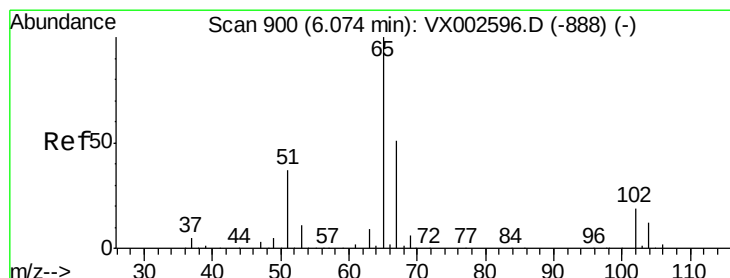
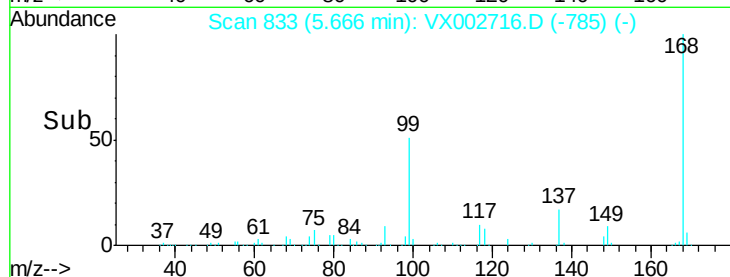
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002716.D

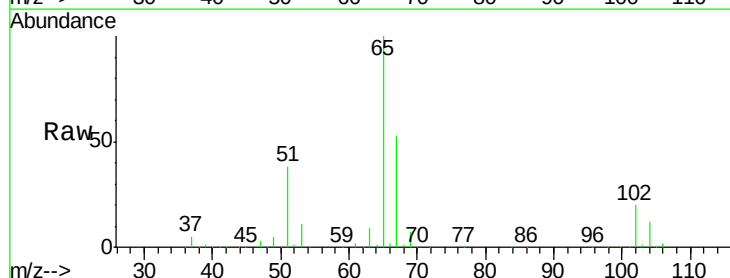
Acq: 19 Jun 2018 16:44

Tgt Ion: 65 Resp: 157608

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

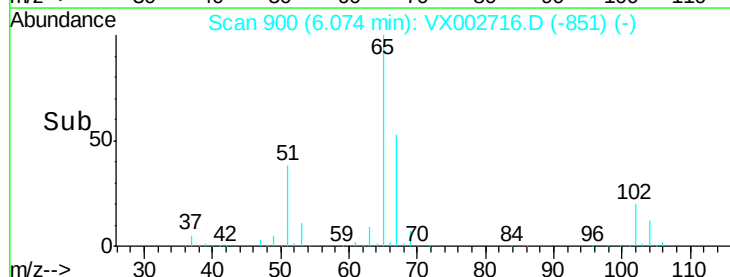
60000

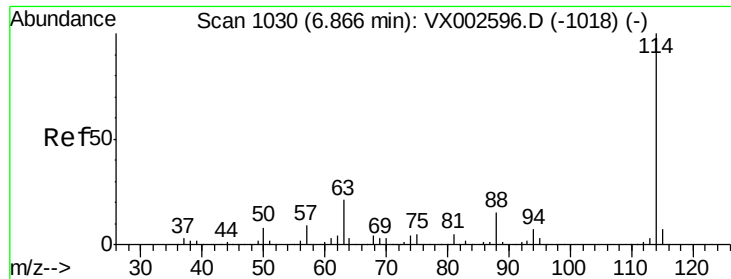
40000

20000

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: VX002716.D

Acq: 19 Jun 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-180611DL

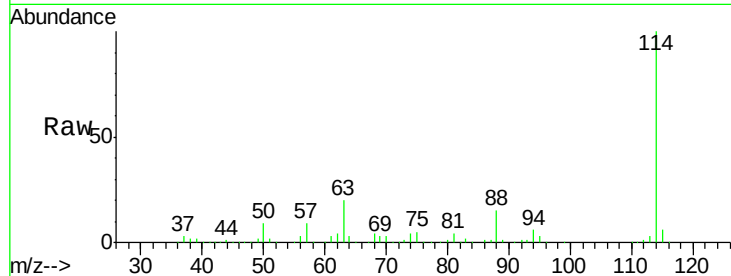
Tot Ion:114 Resp: 298710

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

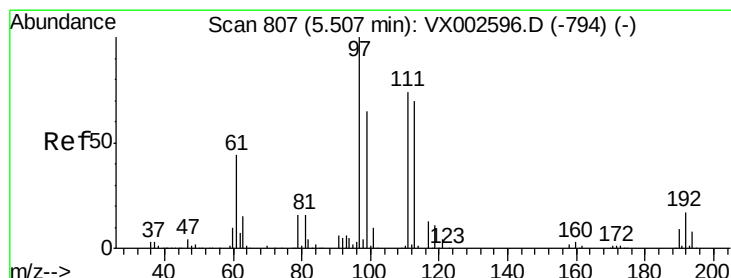
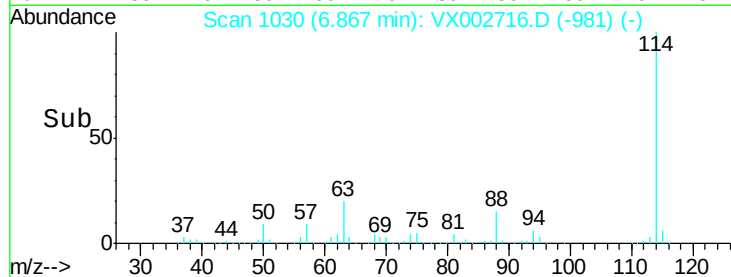
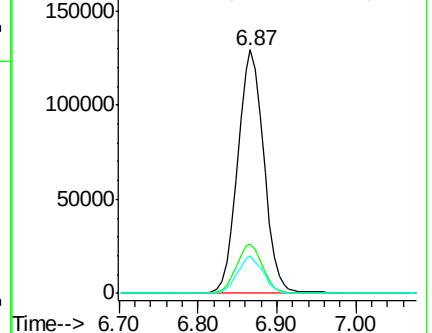
88 15.4 0.0 30.0



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: 51.52 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

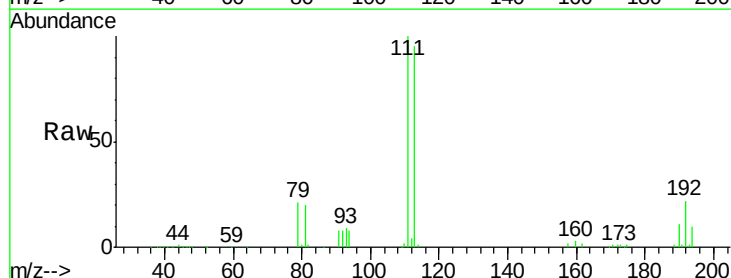
Tgt Ion:113 Resp: 122834

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

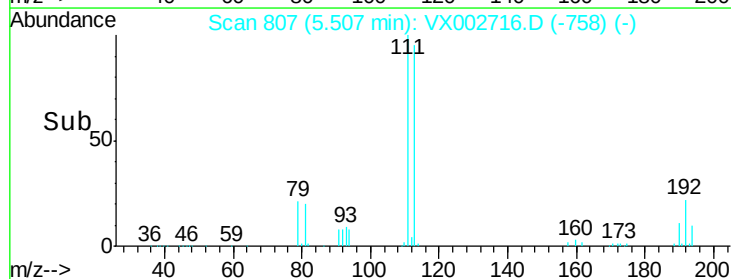
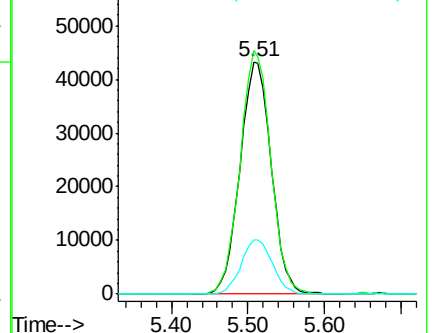
192 23.5 19.1 28.7

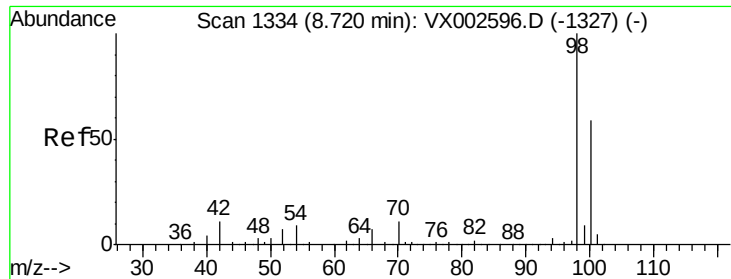


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.71 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

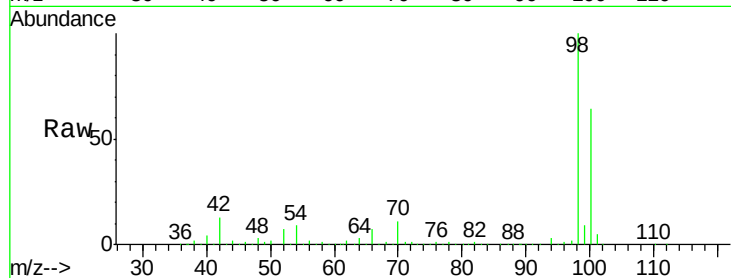
SS003RW114R-180611DL

Tot Ion: 98 Resp: 468074

Ion Ratio Lower Upper

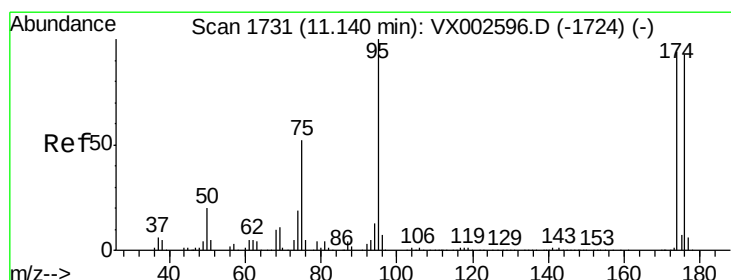
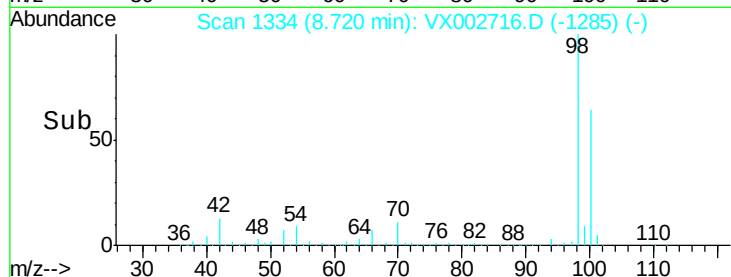
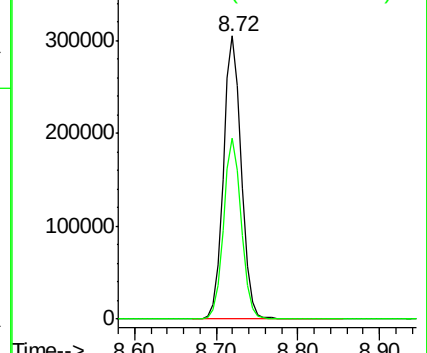
98 100

100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

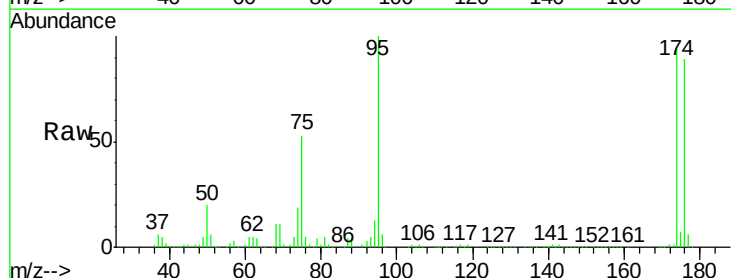
Tgt Ion: 95 Resp: 164418

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

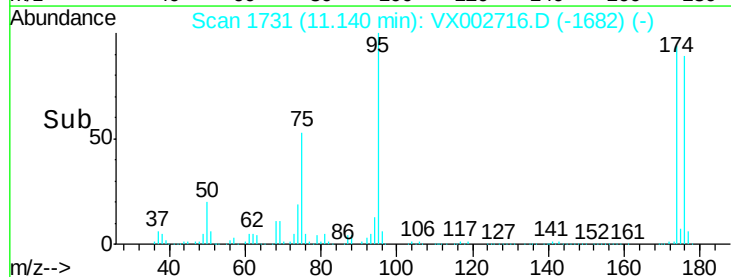
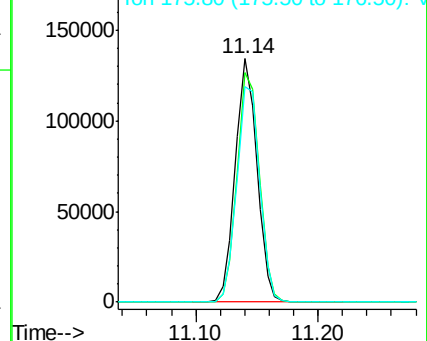
176 93.4 0.0 181.0

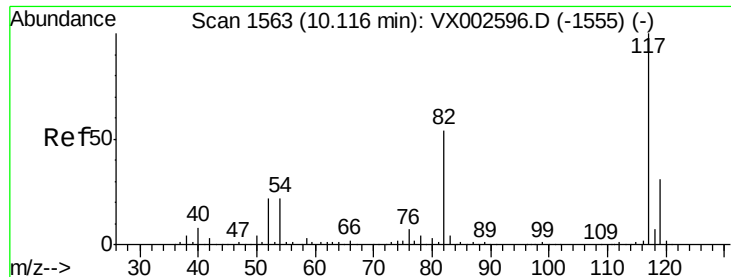


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX002716.D

Acq: 19 Jun 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-180611DL

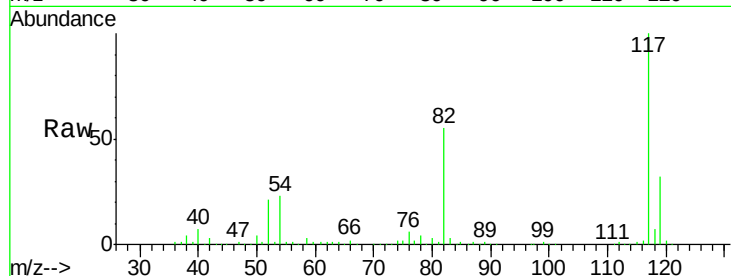
Tot Ion:117 Resp: 275561

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

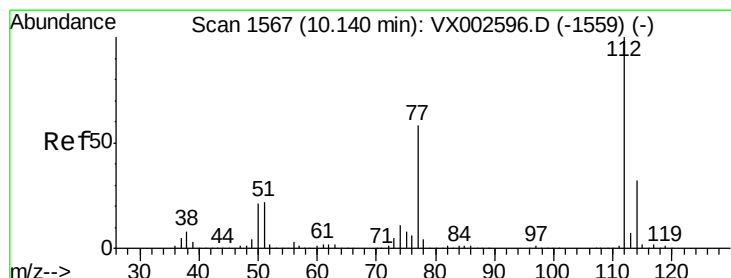
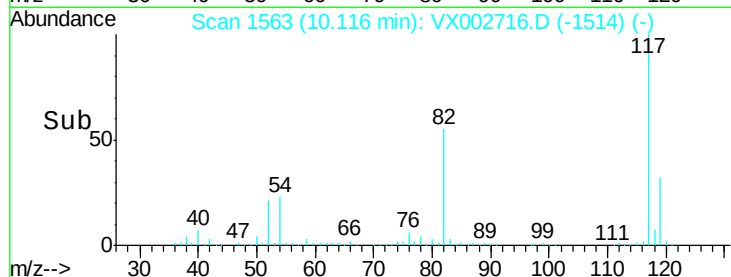
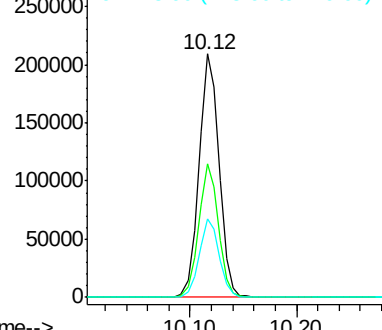
119 32.4 25.8 38.6



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



#65

Chlorobenzene

Concen: 35.79 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002716.D

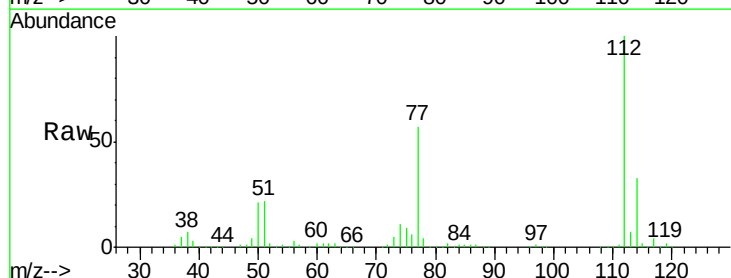
Acq: 19 Jun 2018 16:44

Tgt Ion:112 Resp: 242237

Ion Ratio Lower Upper

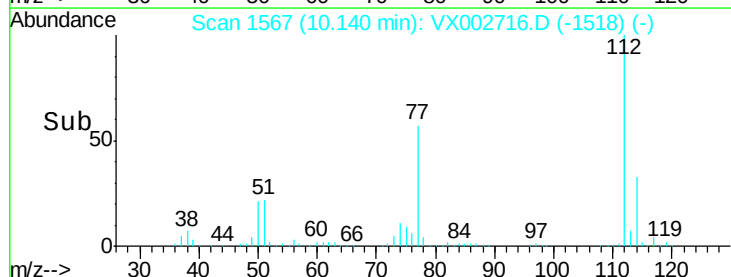
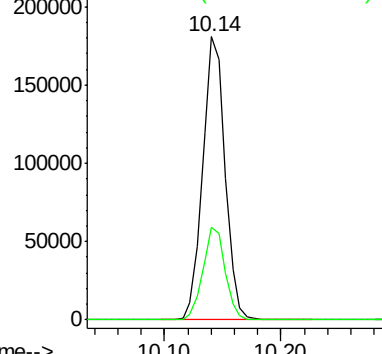
112 100

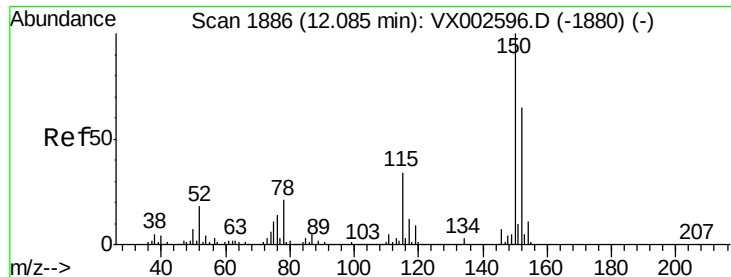
114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-180611DL

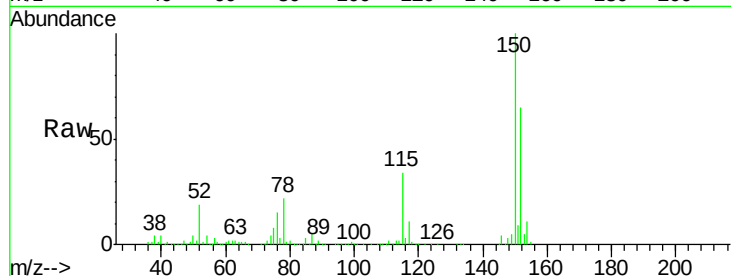
Tot Ion:152 Resp: 157982

Ion Ratio Lower Upper

152 100

115 54.9 40.1 120.2

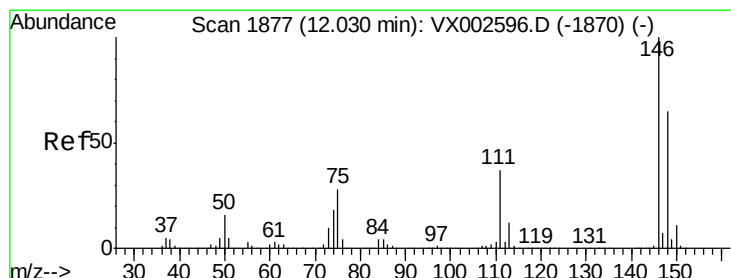
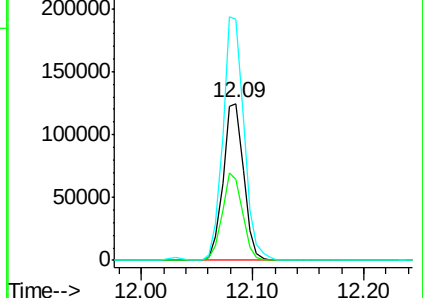
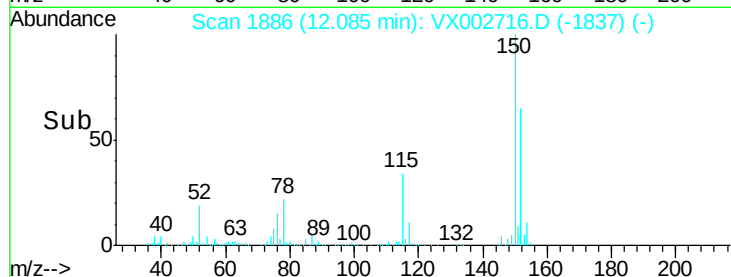
150 159.9 0.0 347.2



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



#87

1,3-Dichlorobenzene

Concen: 4.45 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002716.D

Acq: 19 Jun 2018 16:44

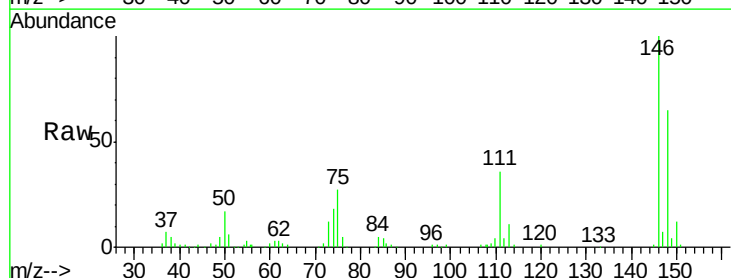
Tgt Ion:146 Resp: 24031

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.7

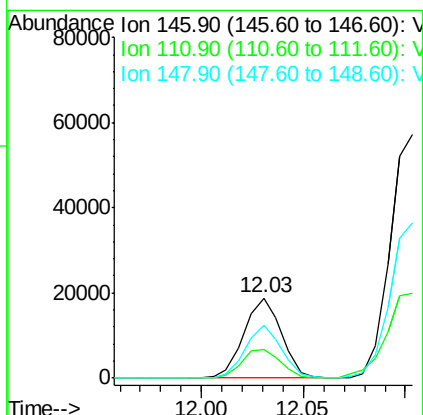
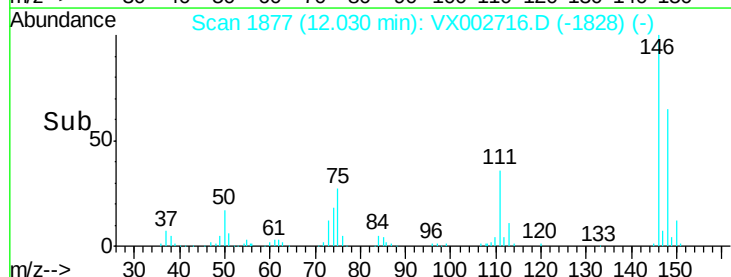
148 63.5 32.1 96.3

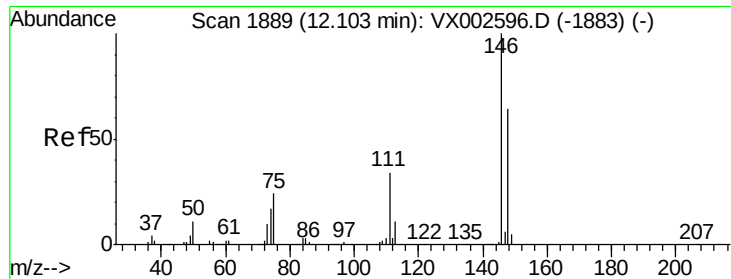


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

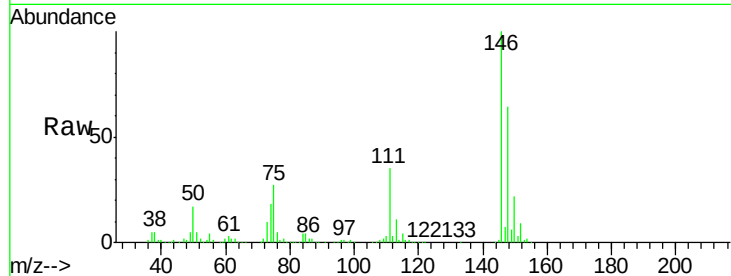




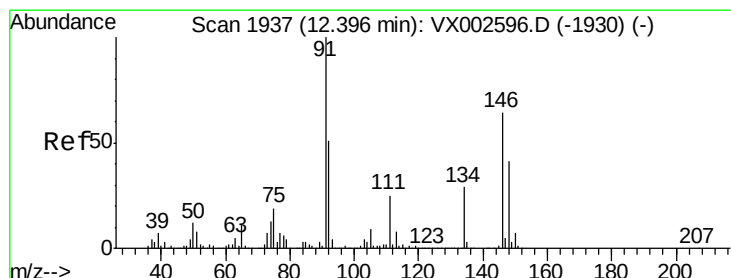
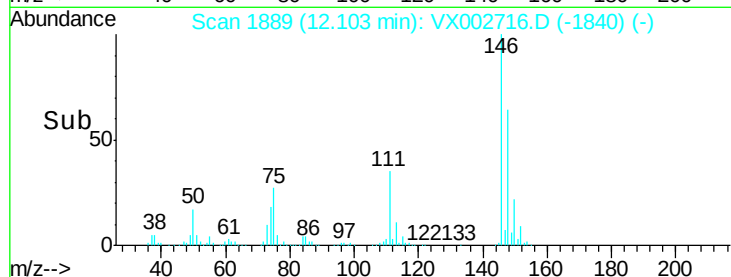
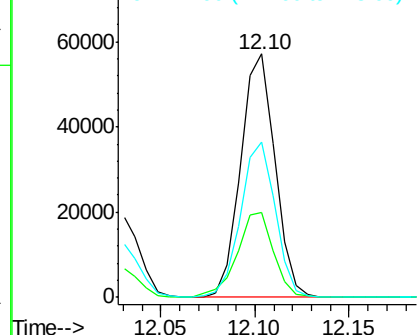
#88
 1,4-Dichlorobenzene
 Concen: 13.15 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002716.D
 Acq: 19 Jun 2018 16:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-180611DL

Tot Ion:146 Resp: 72224
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.9 32.4 97.0

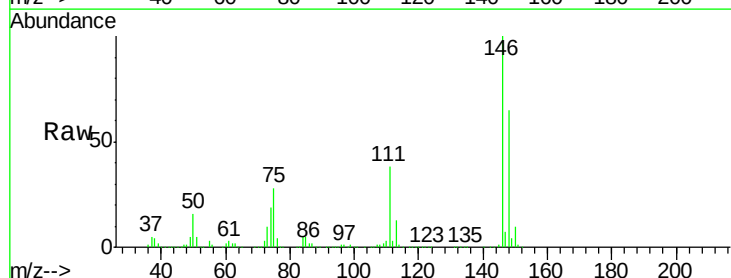


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 101.36 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002716.D
 Acq: 19 Jun 2018 16:44

Tgt Ion:146 Resp: 550701
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.1
 148 64.4 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

