

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001176.D
 Acq On : 27 Apr 2018 17:45
 Operator : JC/MD
 Sample : J2464-09DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015RW050-180417DL

Quant Time: Apr 28 06:30:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	261725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125855	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	135768	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.24%	
35) Dibromofluoromethane	5.51	113	106265	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
50) Toluene-d8	8.72	98	404034	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	11.15	95	135783	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.04%	
Target Compounds						
40) Benzene	6.15	78	7922	0.95	ug/l	96
65) Chlorobenzene	10.15	112	305025	49.77	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	1409	0.32	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	10699	2.35	ug/l	86
91) 1,2-Dichlorobenzene	12.40	146	6459	1.46	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# 834

Delta R.T. -0.00 min

Lab File: VX001176.D

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Instrument :

MSVOA_X

ClientSampleId :

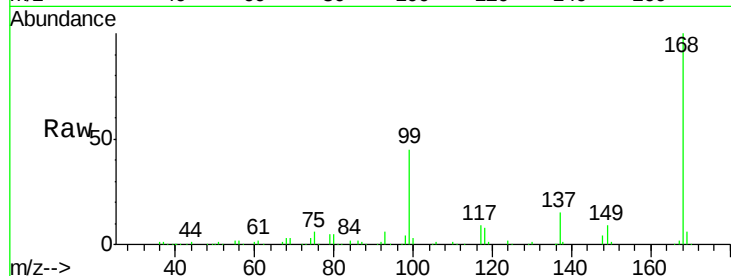
LF015RW050-180417DL

Tot Ion:168 Resp: 189926

Ion Ratio Lower Upper

168 100

99 45.4 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

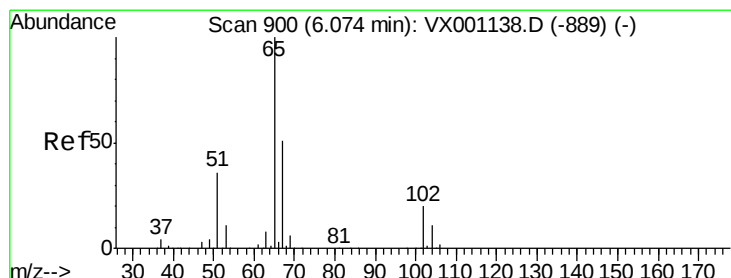
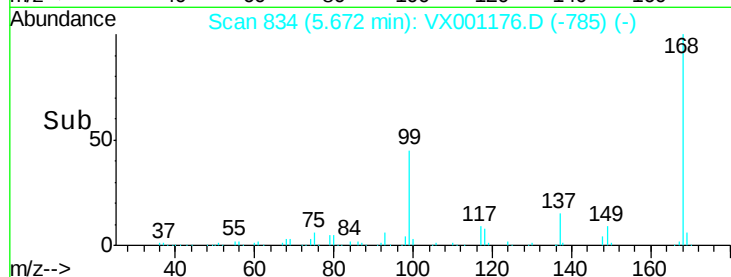
40000

20000

0

5.60 5.70 5.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001176.D

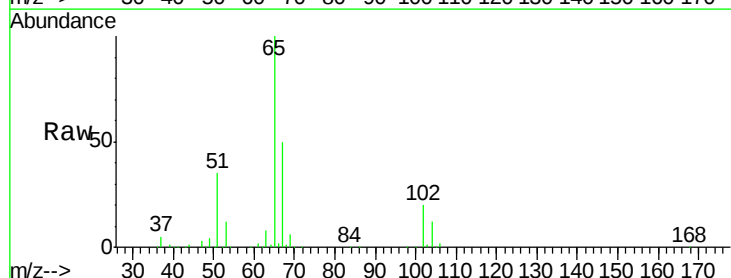
Acq: 27 Apr 2018 17:45

Tgt Ion: 65 Resp: 135768

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

30000

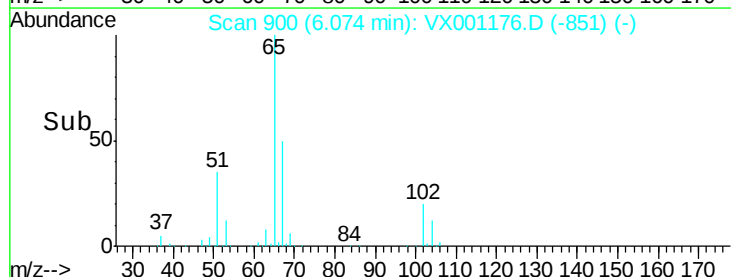
20000

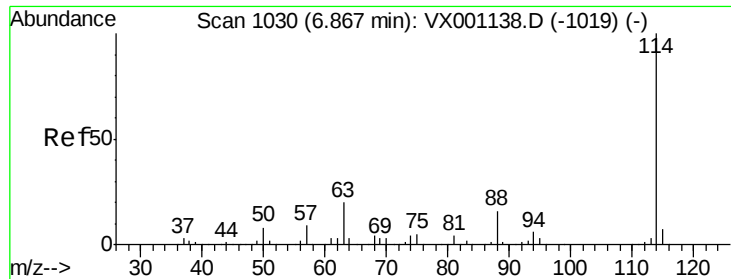
10000

0

5.90 6.00 6.10 6.20 6.30

Time-->

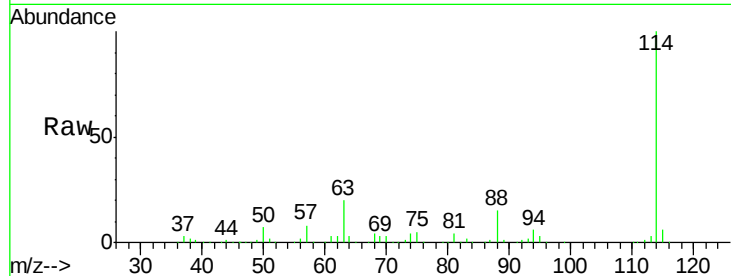




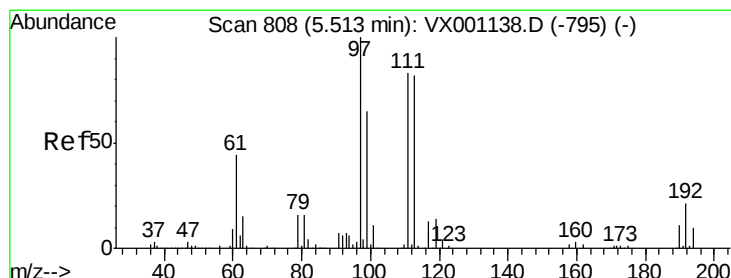
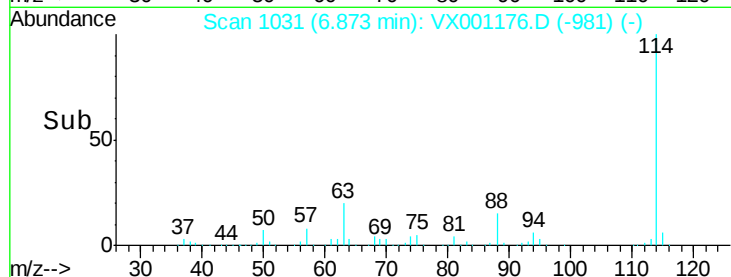
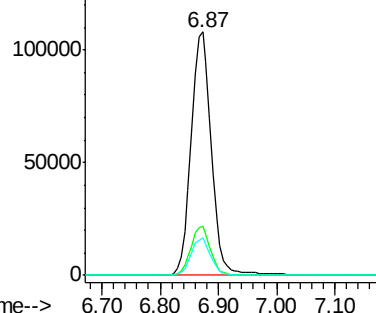
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015RW050-180417DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.4
88	15.4	0.0	31.8

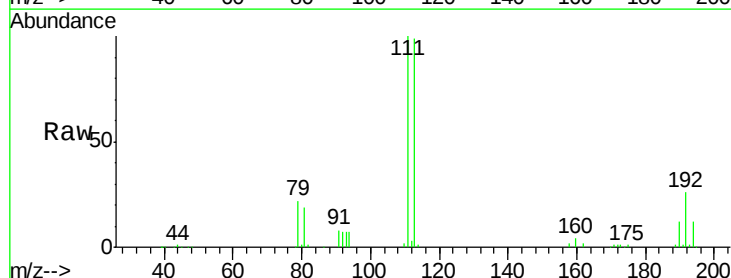


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

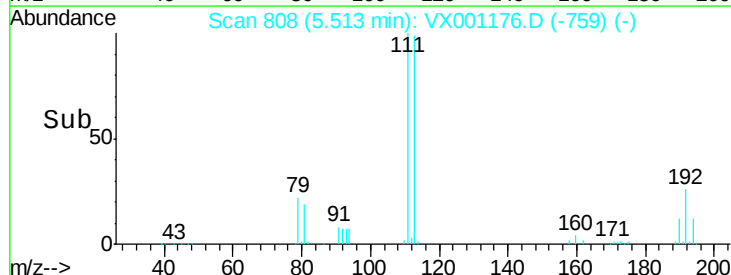
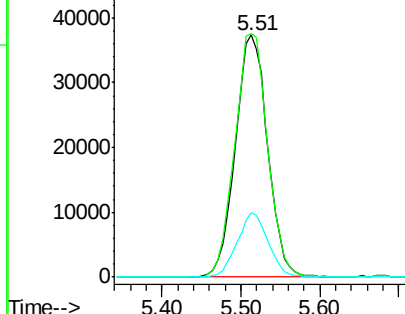


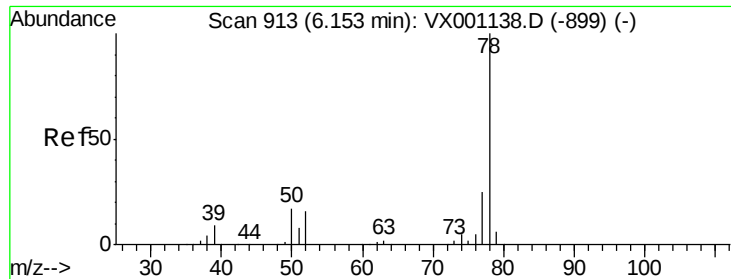
#35
 Dibromofluoromethane
 Concen: 49.05 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001176.D
 Acq: 27 Apr 2018 17:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	25.5	20.6	30.8



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





#40

Benzene

Concen: 0.95 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.01 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

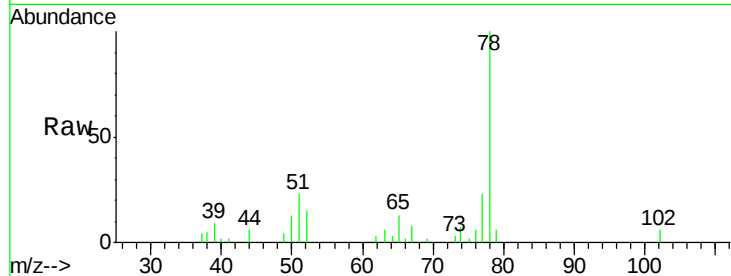
LF015RW050-180417DL

Tot Ion: 78 Resp: 7922

Ion Ratio Lower Upper

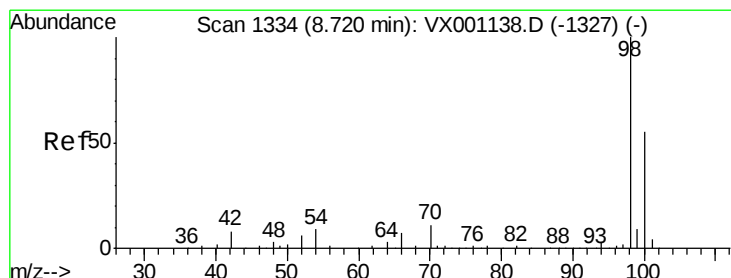
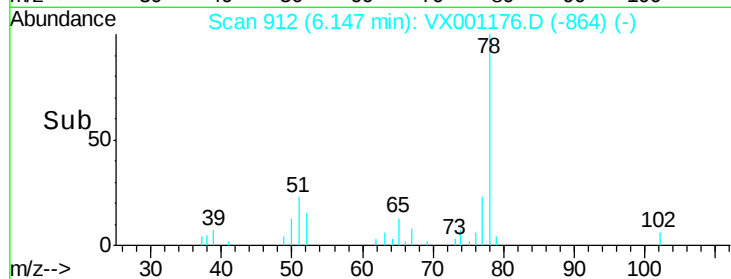
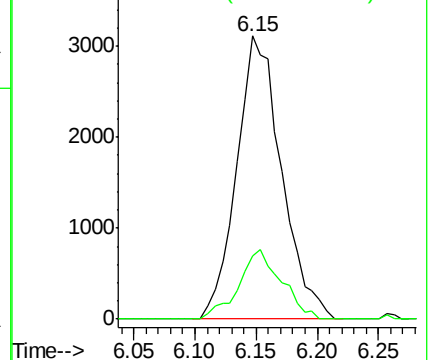
78 100

77 22.6 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.42 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001176.D

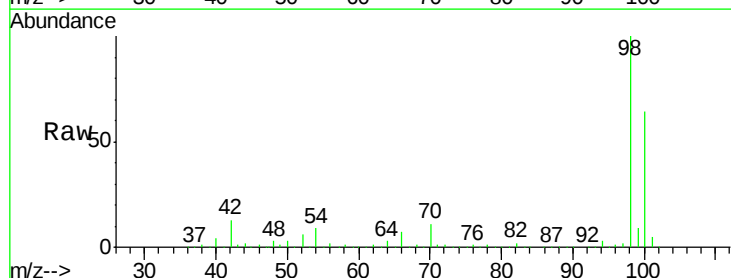
Acq: 27 Apr 2018 17:45

Tgt Ion: 98 Resp: 404034

Ion Ratio Lower Upper

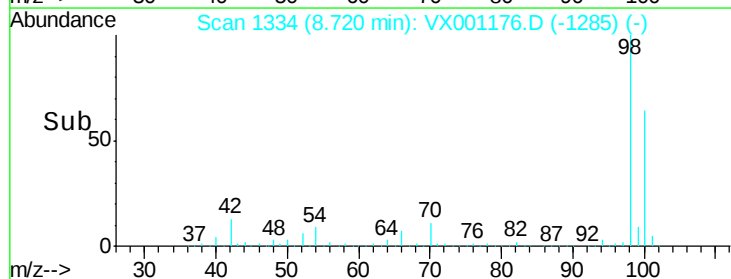
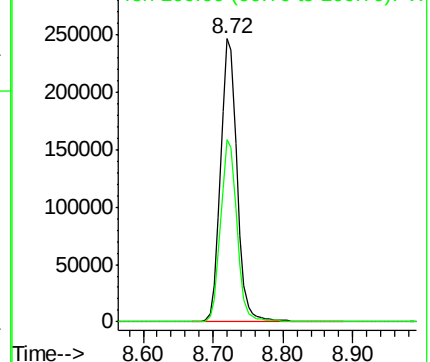
98 100

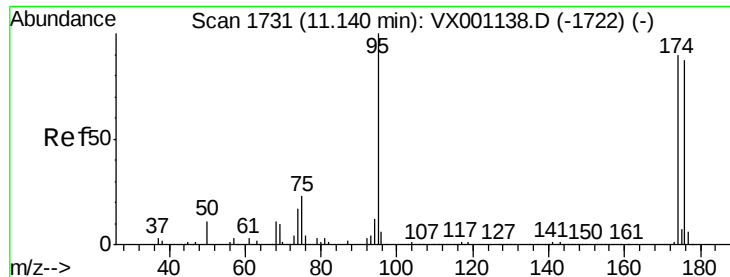
100 64.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

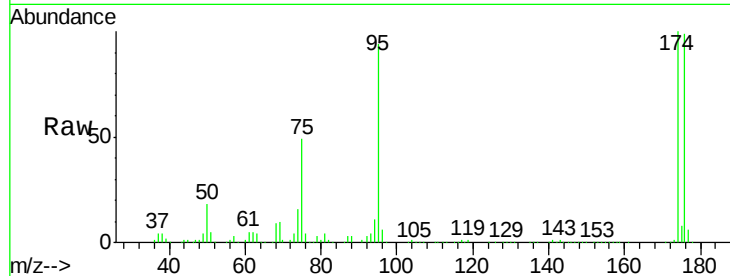




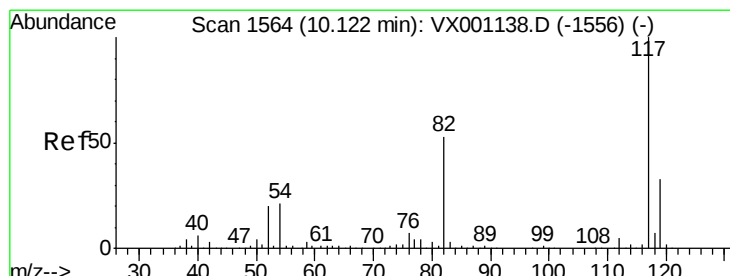
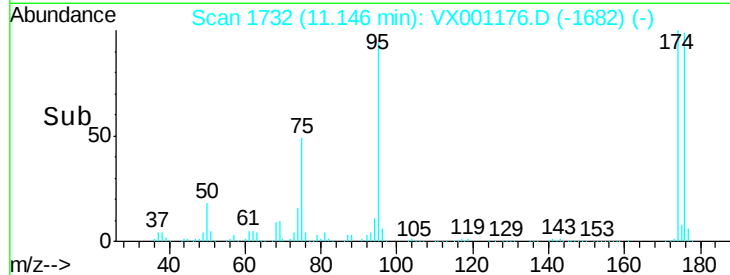
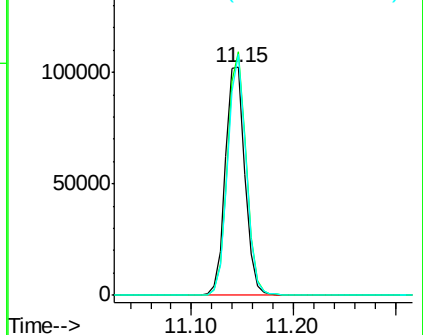
#62
4-Bromofluorobenzene
Concen: 42.52 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Instrument :
MSVOA_X
ClientSampleId :
LF015RW050-180417DL

Tot Ion: 95 Resp: 135783
Ion Ratio Lower Upper
95 100
174 101.3 0.0 194.4
176 98.7 0.0 190.2

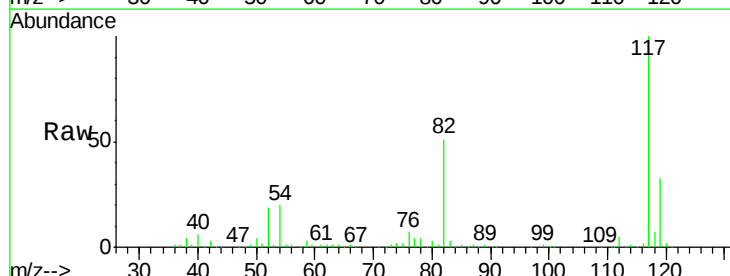


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

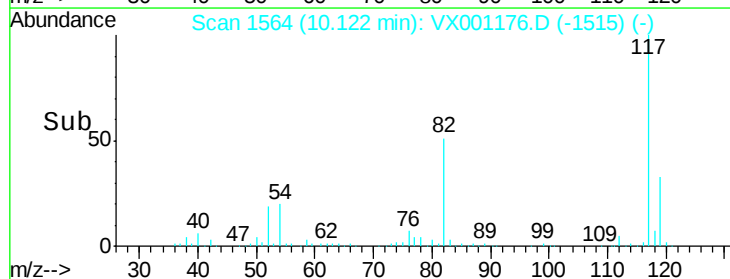
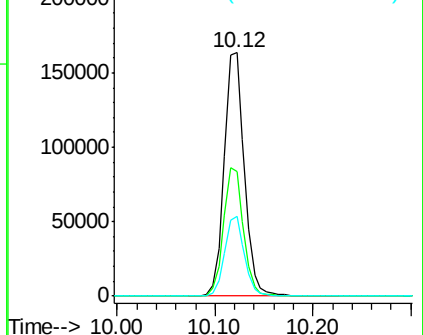


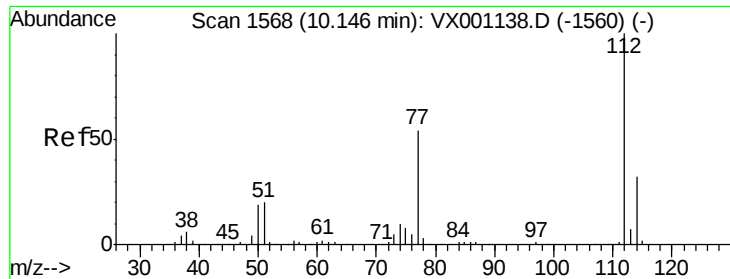
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001176.D
Acq: 27 Apr 2018 17:45

Tgt Ion: 117 Resp: 233926
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 32.6 26.1 39.1



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: 49.77 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

MSVOA_X

ClientSampleId :

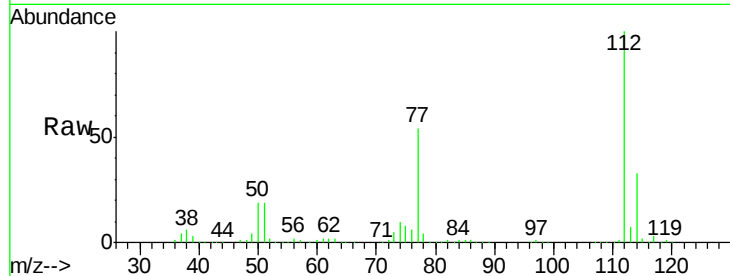
LF015RW050-180417DL

Tot Ion:112 Resp: 305025

Ion Ratio Lower Upper

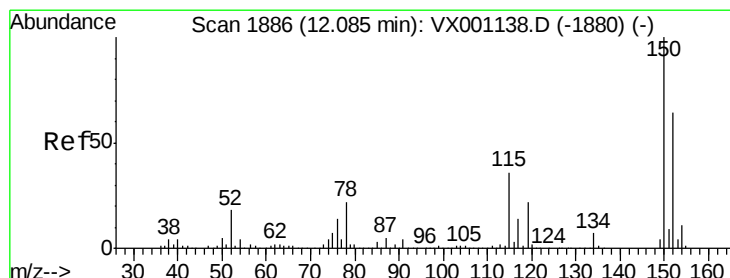
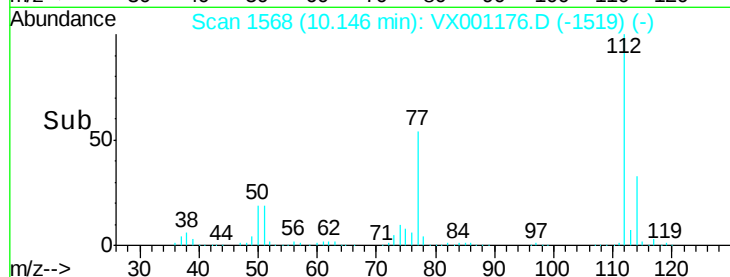
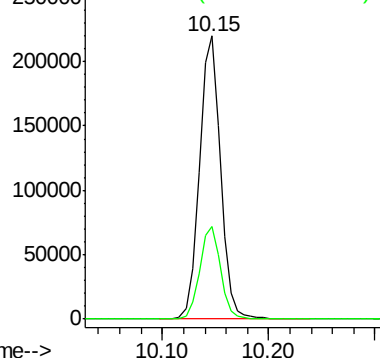
112 100

114 32.9 25.7 38.5



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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

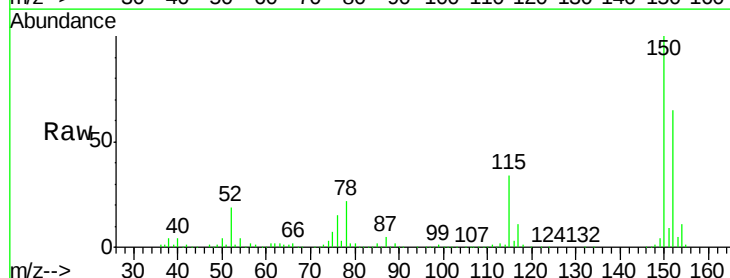
Tgt Ion:152 Resp: 125855

Ion Ratio Lower Upper

152 100

115 53.3 38.0 114.0

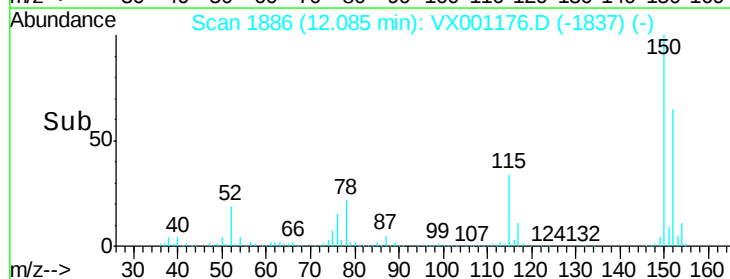
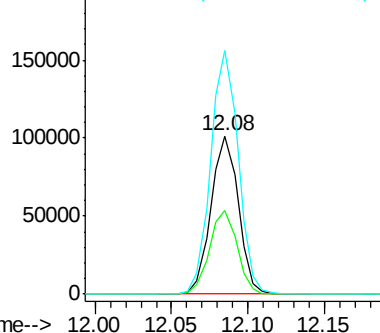
150 155.1 0.0 349.6

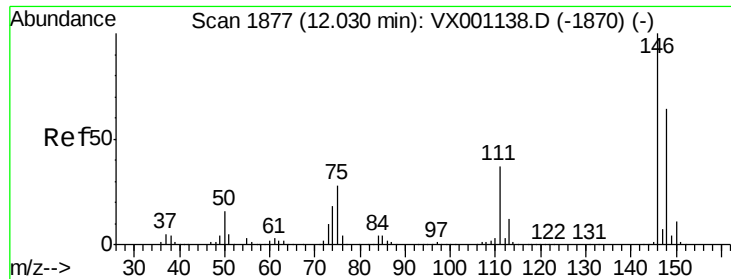


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#87

1,3-Dichlorobenzene

Concen: 0.32 ug/l

RT: 12.04 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

Instrument :

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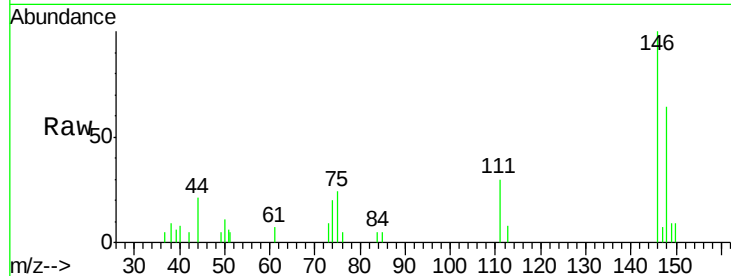
Tot Ion:146 Resp: 1409

Ion Ratio Lower Upper

146 100

111 36.3 18.6 56.0

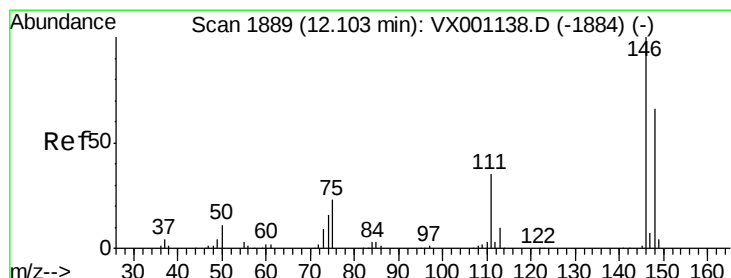
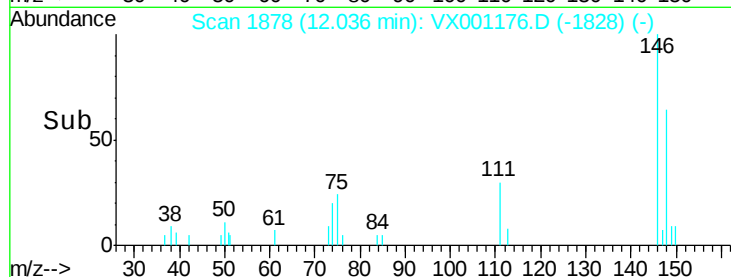
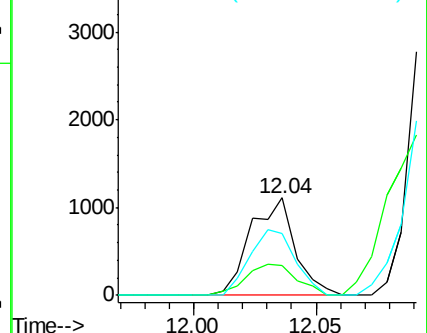
148 68.6 32.3 96.8



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: 2.35 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

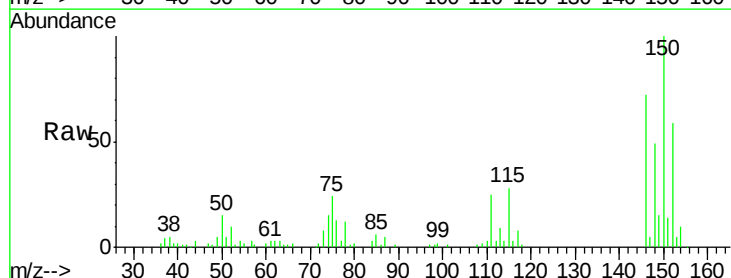
Tgt Ion:146 Resp: 10699

Ion Ratio Lower Upper

146 100

111 50.1 18.0 54.0

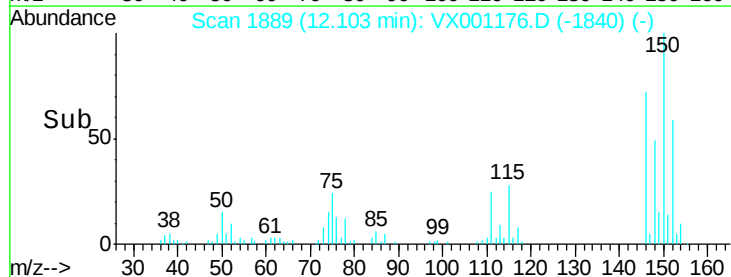
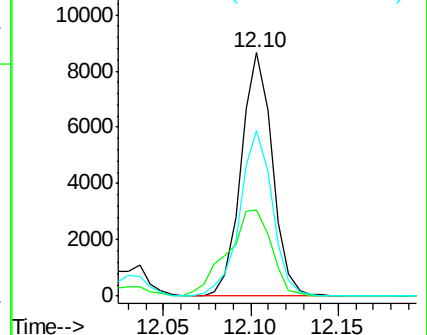
148 71.2 32.5 97.5

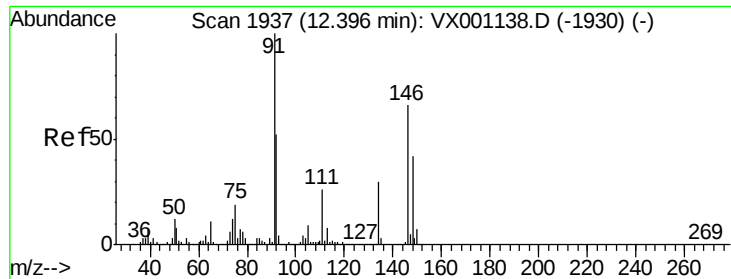


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.46 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001176.D

Acq: 27 Apr 2018 17:45

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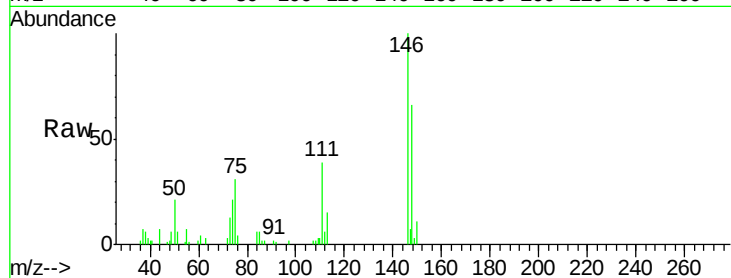
Tot Ion:146 Resp: 6459

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.3

148 69.0 32.2 96.6



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

