

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111218\
 Data File : VU028060.D
 Acq On : 12 Nov 2018 13:20
 Operator : MD/SY
 Sample : J5885-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Quant Time: Nov 13 12:12:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

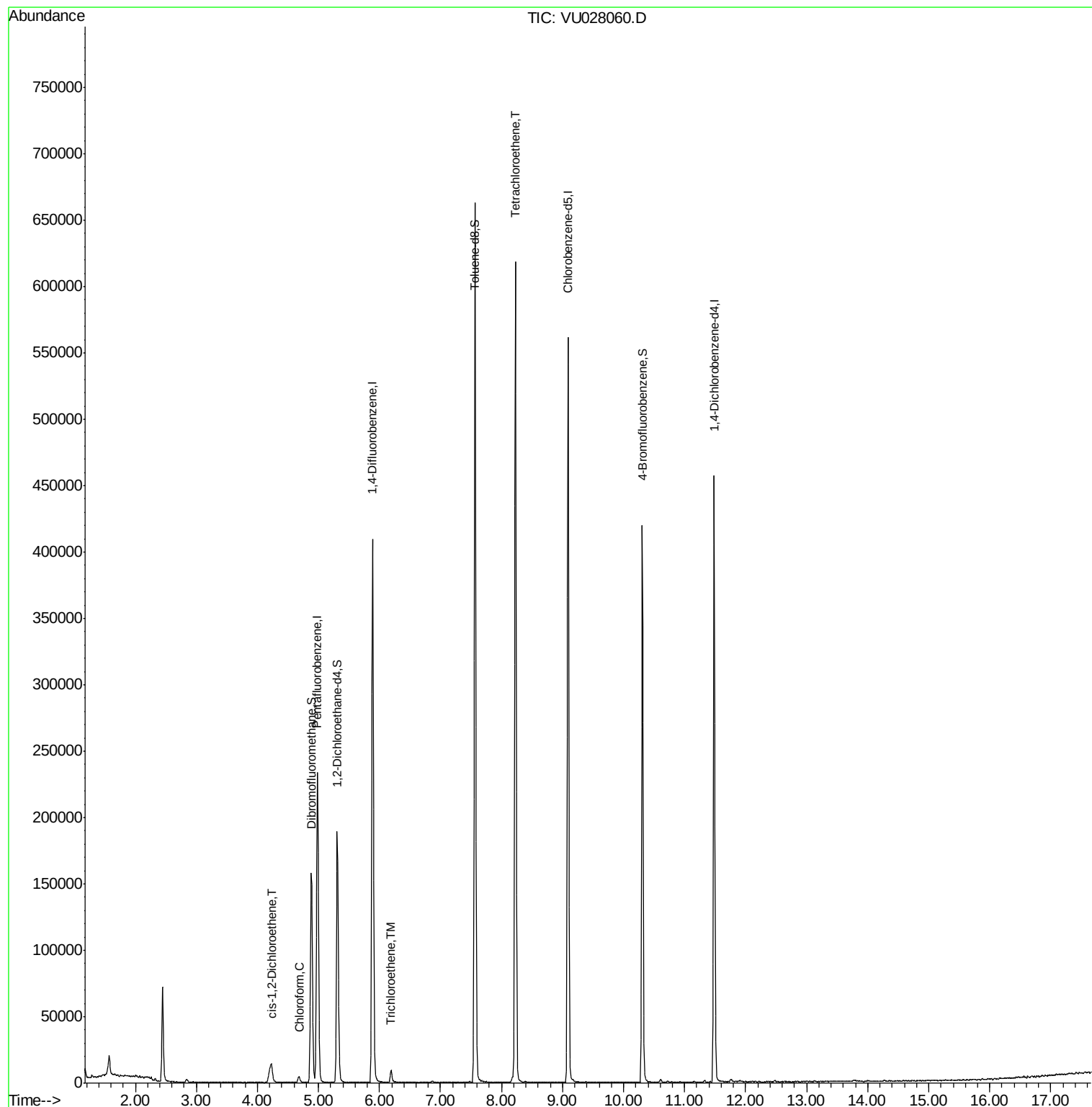
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	324302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	111190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	148664	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	4.88	113	109263	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.88%	
50) Toluene-d8	7.57	98	421800	53.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.80%	
62) 4-Bromofluorobenzene	10.31	95	136648	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.23	96	6331	2.736	ug/l	95
30) Chloroform	4.68	83	4059	0.985	ug/l #	81
44) Trichloroethene	6.20	130	3034	1.359	ug/l	81
64) Tetrachloroethene	8.23	164	130099	69.093	ug/l	97

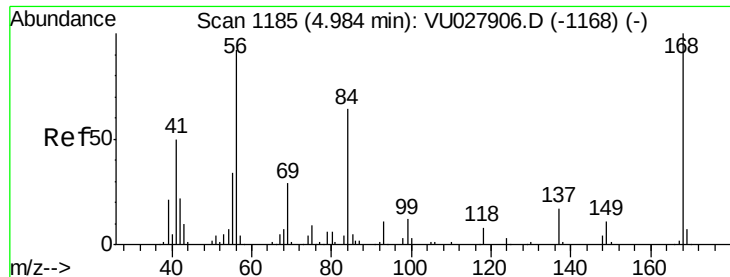
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampled :

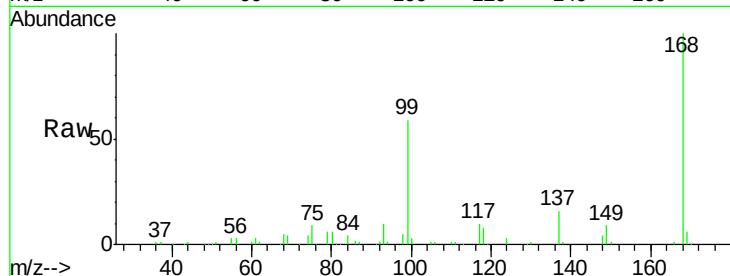
MW-8

Tgt Ion: 168 Resp: 170584

Ion Ratio Lower Upper

168 100

99 59.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU028060.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028060.D (-1092) (-)

4.99

80000

60000

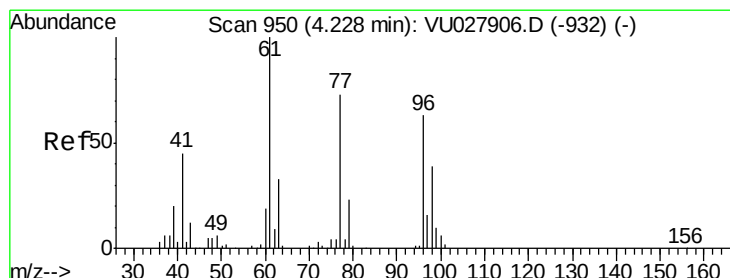
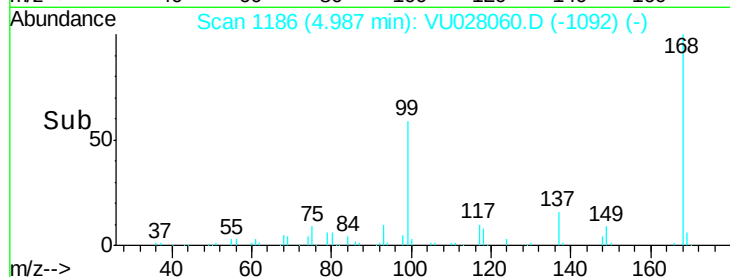
40000

20000

0

Time-->

4.90 4.95 5.00 5.05 5.10



#27

cis-1,2-Dichloroethene

Concen: 2.736 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

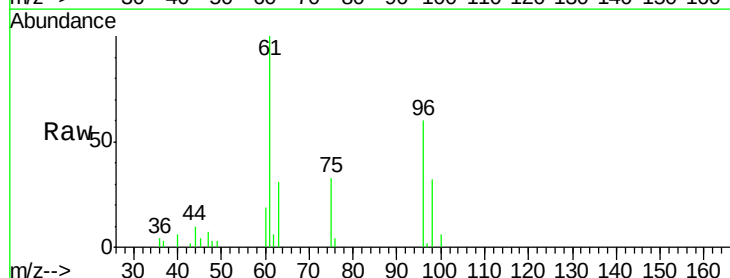
Tgt Ion: 96 Resp: 6331

Ion Ratio Lower Upper

96 100

61 157.4 0.0 329.6

98 60.4 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU028060.D (-857) (-)

Ion 60.90 (60.60 to 61.60): VU028060.D (-857) (-)

Ion 97.90 (97.60 to 98.60): VU028060.D (-857) (-)

4.23

6000

5000

4000

3000

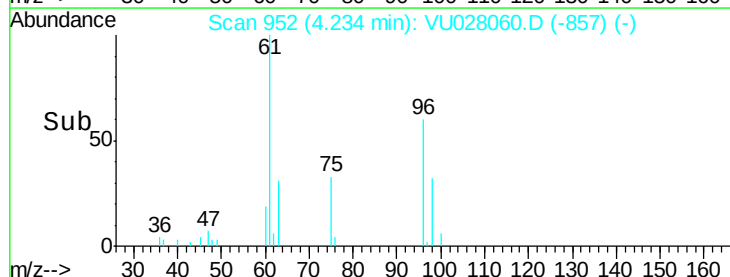
2000

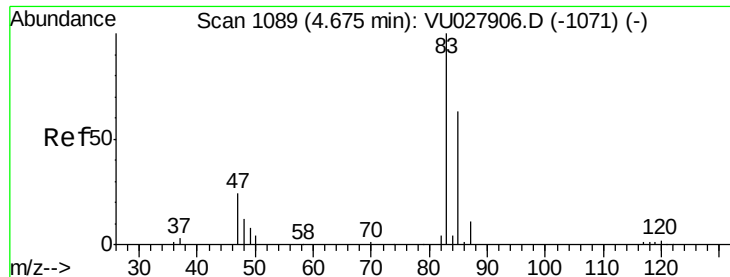
1000

0

Time-->

4.15 4.20 4.25 4.30

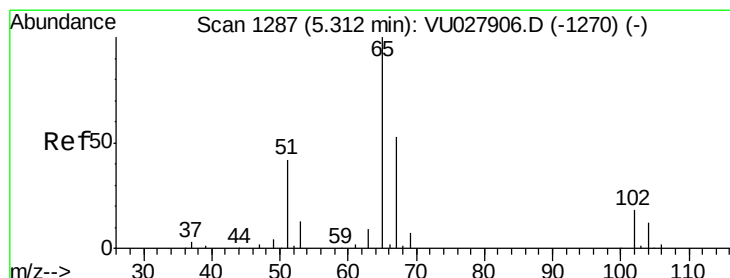
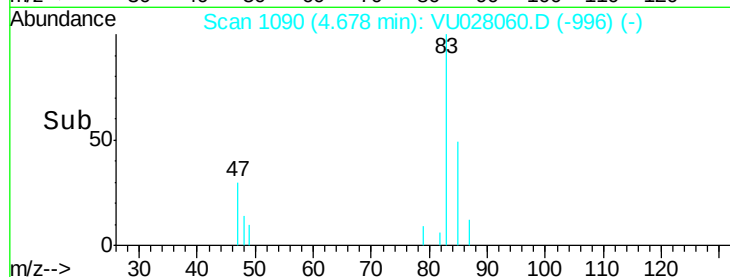
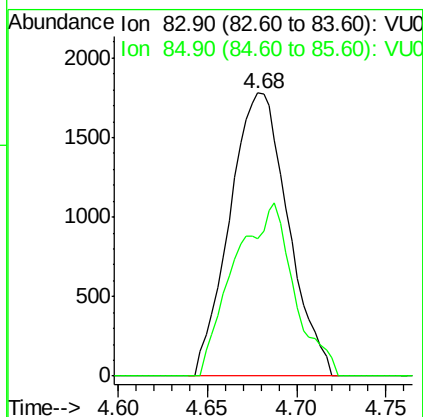
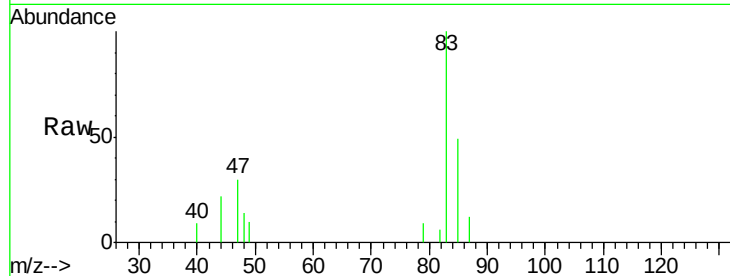




#30
Chloroform
Concen: 0.985 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

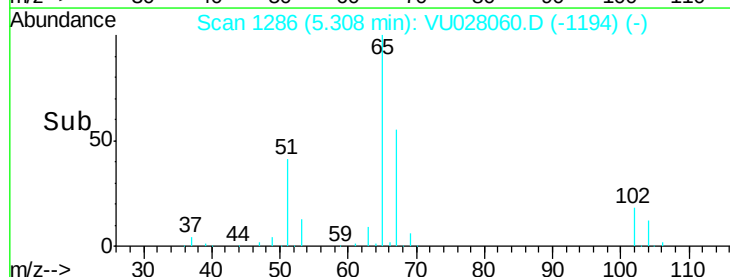
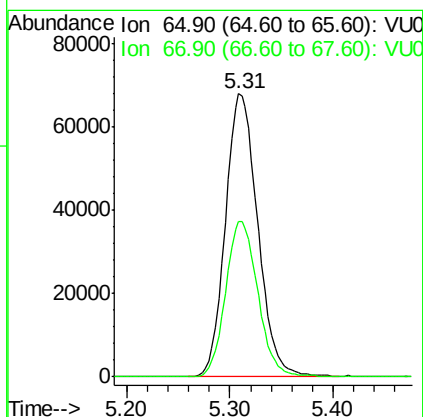
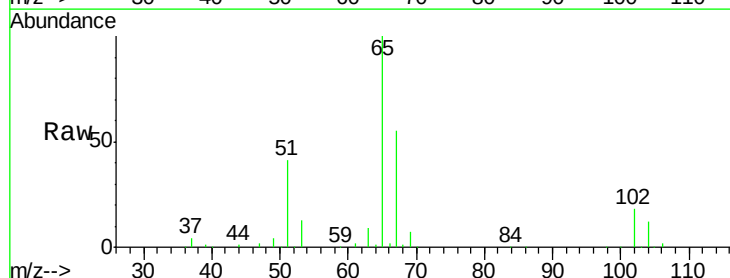
Instrument :
MSVOA_U
ClientSampleId :
MW-8

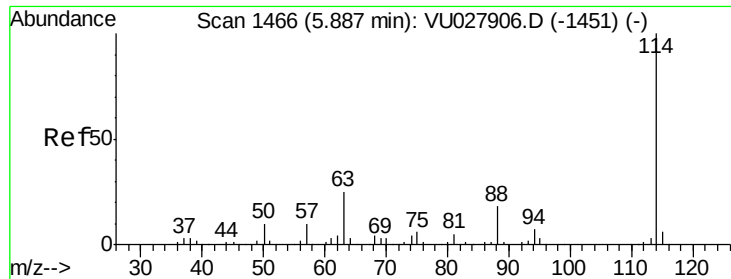
Tgt Ion: 83 Resp: 4059
Ion Ratio Lower Upper
83 100
85 48.7 50.6 76.0#



#33
1,2-Dichloroethane-d4
Concen: 58.618 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028060.D
Acq: 12 Nov 2018 13:20

Tgt Ion: 65 Resp: 148664
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0

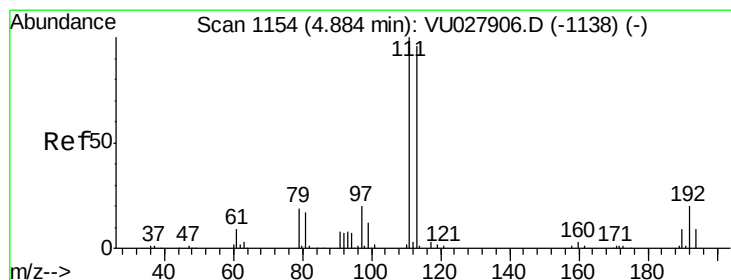
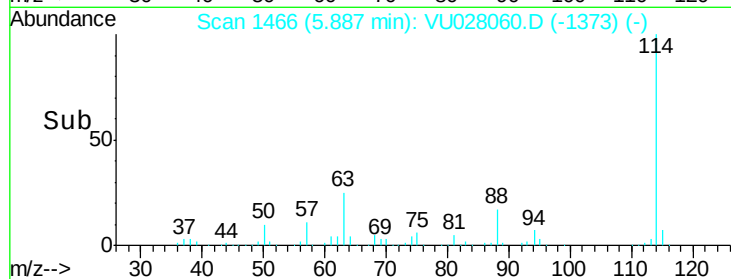
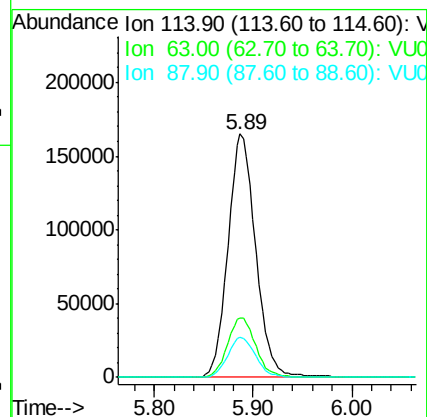
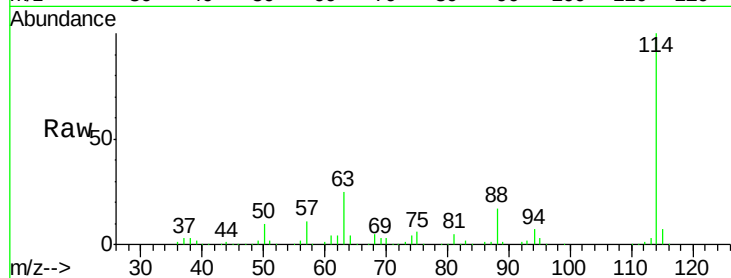




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

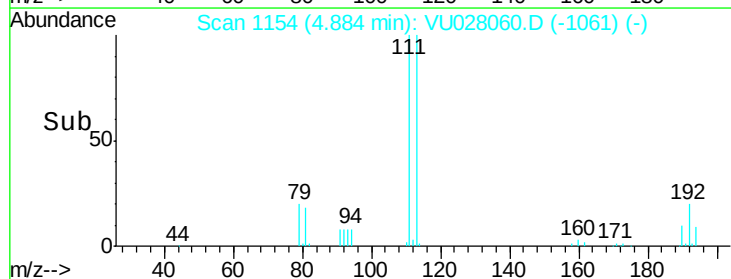
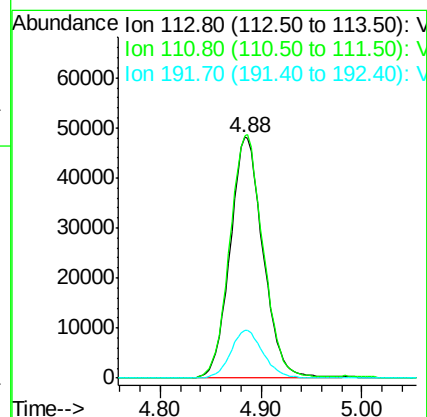
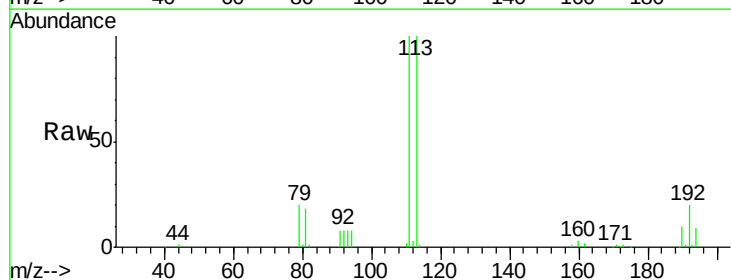
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

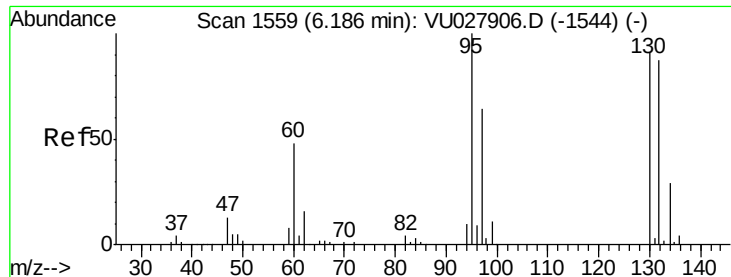
Tgt Ion:114 Resp: 324302
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 16.6 0.0 35.8



#35
 Dibromofluoromethane
 Concen: 53.435 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028060.D
 Acq: 12 Nov 2018 13:20

Tgt Ion:113 Resp: 109263
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.6
 192 19.5 15.6 23.4





#44

Trichloroethene

Concen: 1.359 ug/l

RT: 6.20 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

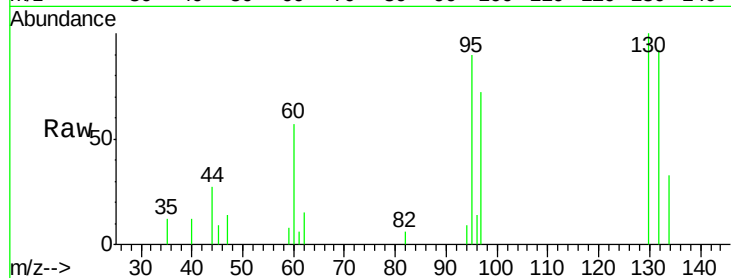
MW-8

Tgt Ion:130 Resp: 3034

Ion Ratio Lower Upper

130 100

95 89.9 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU028060.D (-1562) (-)

Ion 94.90 (94.60 to 95.60): VU028060.D (-1562) (-)

6.20

1500

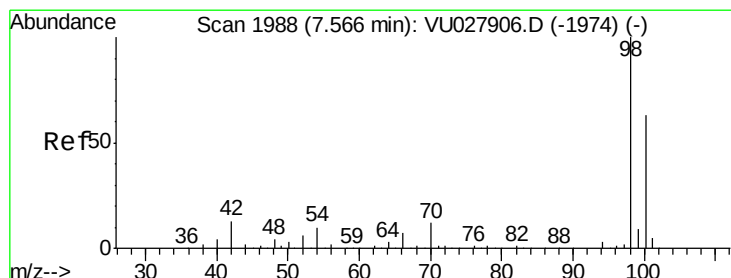
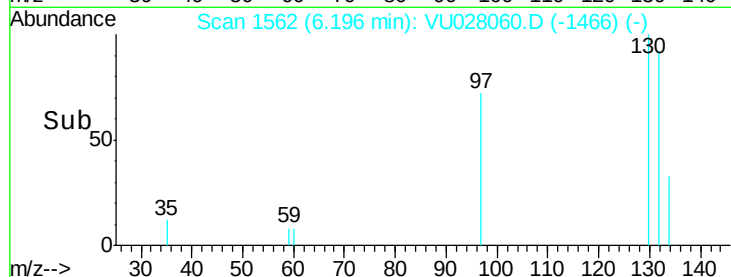
1000

500

0

6.15 6.20 6.25

Time-->



#50

Toluene-d8

Concen: 53.401 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028060.D

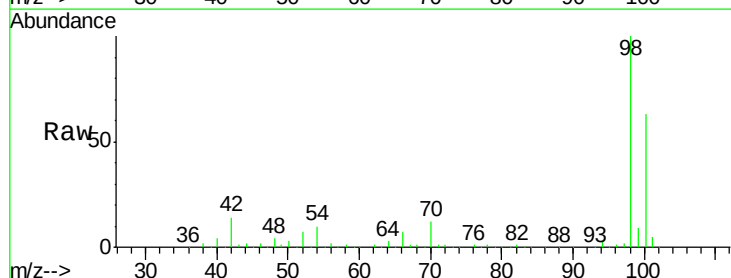
Acq: 12 Nov 2018 13:20

Tgt Ion: 98 Resp: 421800

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU028060.D (-1895) (-)

Ion 100.00 (99.70 to 100.70): VU028060.D (-1895) (-)

7.57

250000

200000

150000

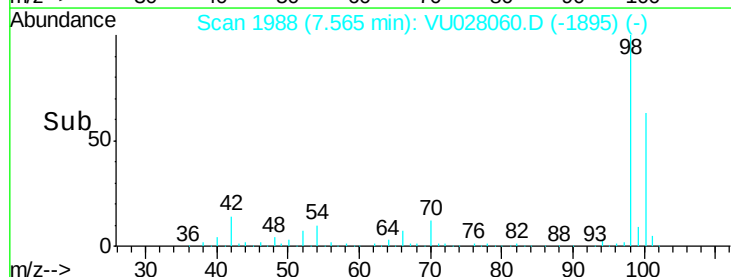
100000

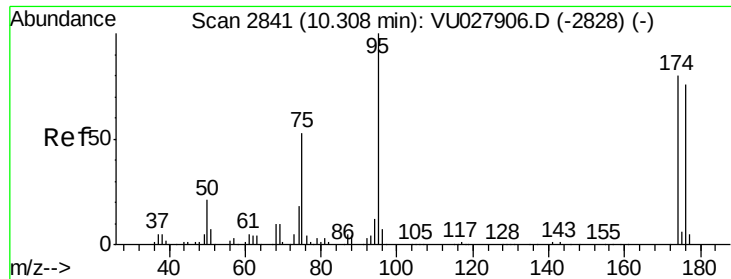
50000

0

7.50 7.55 7.60 7.65

Time-->





#62

4-Bromofluorobenzene

Concen: 46.903 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampled :

MW-8

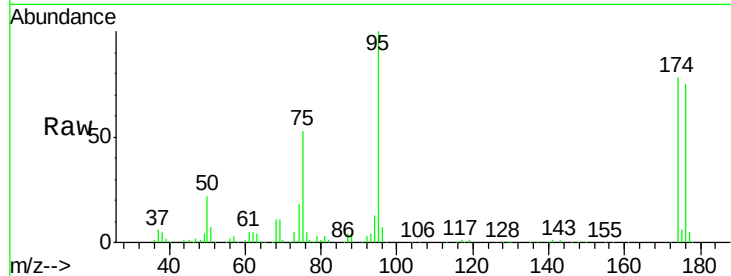
Tgt Ion: 95 Resp: 136648

Ion Ratio Lower Upper

95 100

174 75.1 0.0 156.4

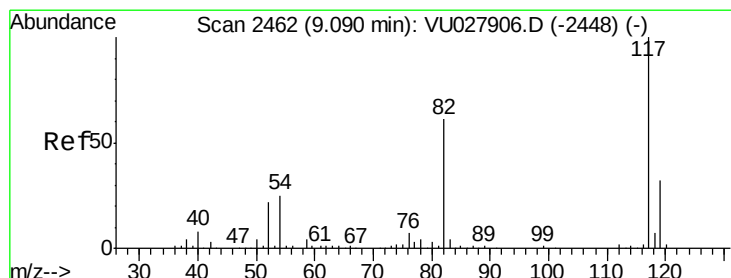
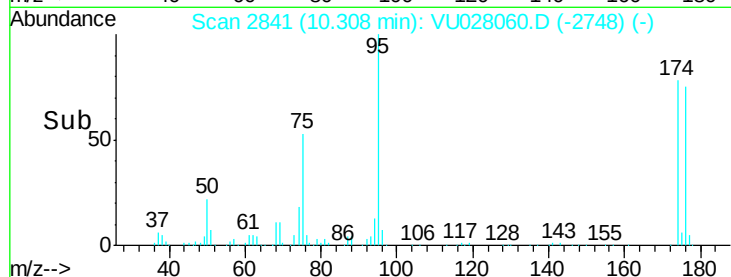
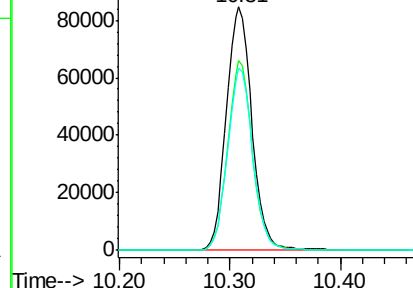
176 73.5 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU028060.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU028060.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU028060.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

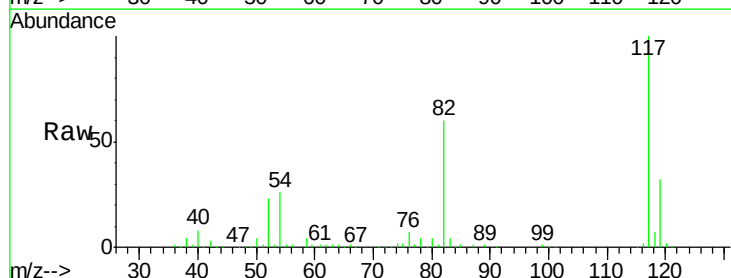
Tgt Ion: 117 Resp: 290389

Ion Ratio Lower Upper

117 100

82 60.0 48.6 73.0

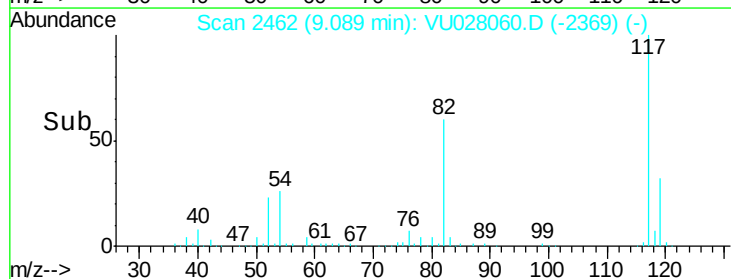
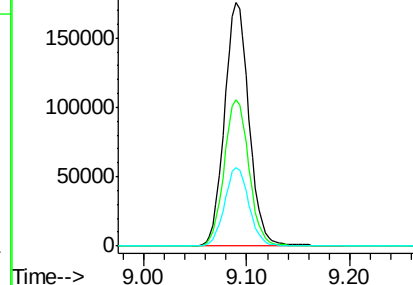
119 32.4 25.8 38.8

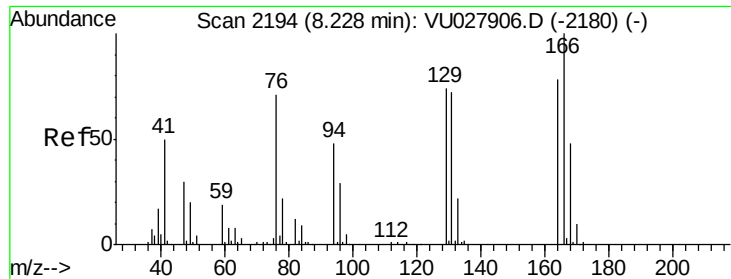


Abundance Ion 116.90 (116.60 to 117.60): VU028060.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028060.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028060.D (-2369) (-)





#64

Tetrachloroethene

Concen: 69.093 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

Instrument :

MSVOA_U

ClientSampleId :

MW-8

Tgt Ion:164 Resp: 130099

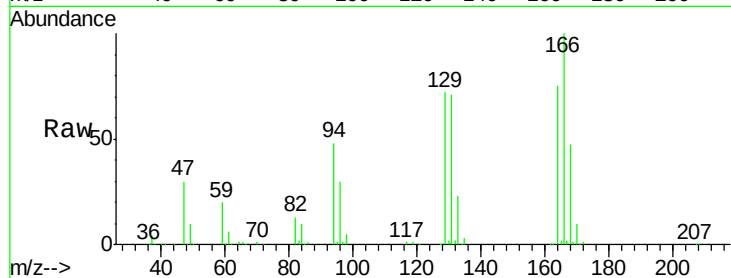
Ion Ratio Lower Upper

164 100

166 132.7 102.1 153.1

129 95.9 75.9 113.9

131 93.8 73.0 109.6

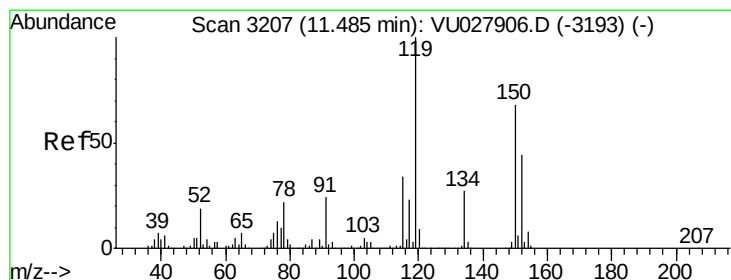
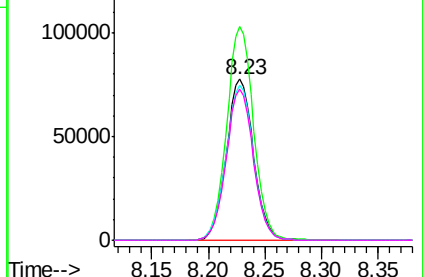
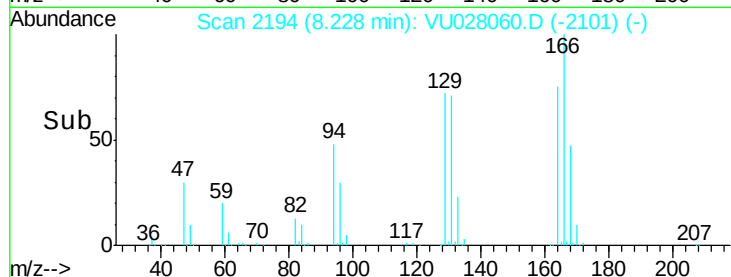


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028060.D

Acq: 12 Nov 2018 13:20

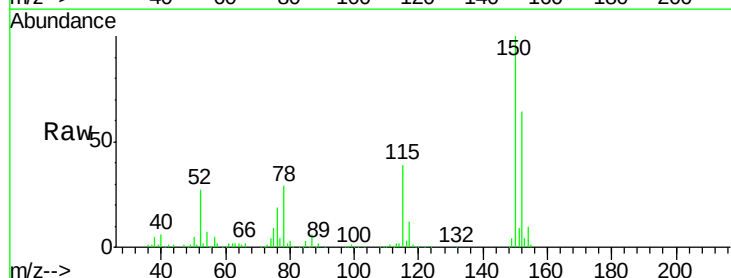
Tgt Ion:152 Resp: 111190

Ion Ratio Lower Upper

152 100

115 61.5 43.0 129.0

150 157.7 0.0 349.4



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

