

Data File : VW008781.D
Acq On : 21 Feb 2019 20:24
Operator : SY/VA
Sample : K1546-10
Misc : 5.13G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200034

Quant Time: Feb 23 03:59:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	296359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	83813	39.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.80%	
35) Dibromofluoromethane	7.88	113	81109	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
50) Toluene-d8	10.32	98	361841	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	108575	40.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.74%	

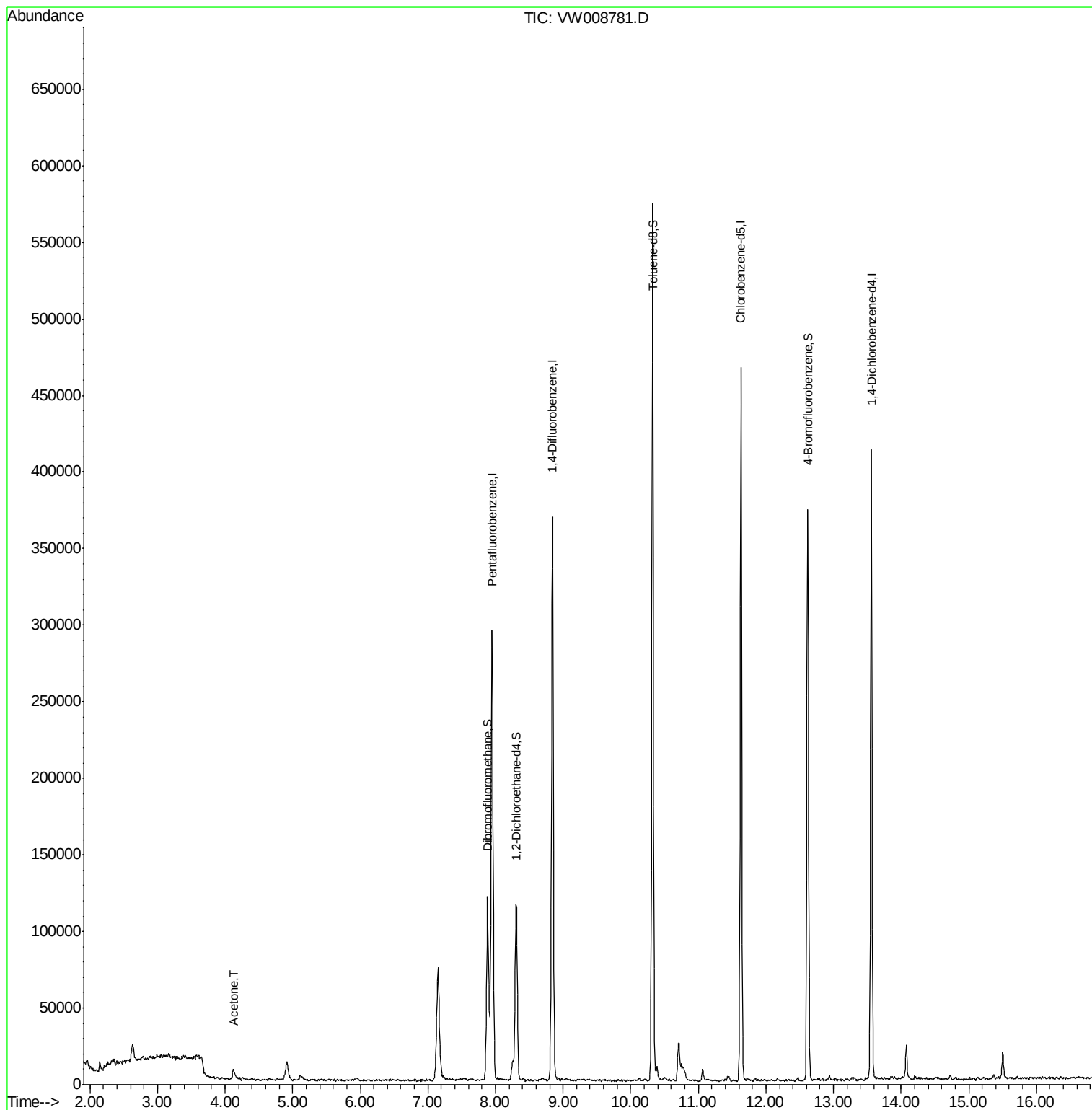
Target Compounds			Qvalue			
16) Acetone	4.13	43	10733m	22.042	ug/l	

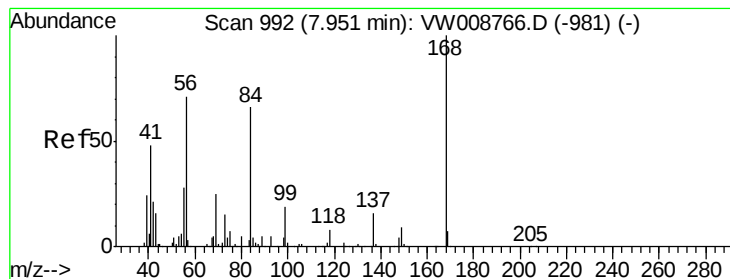
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

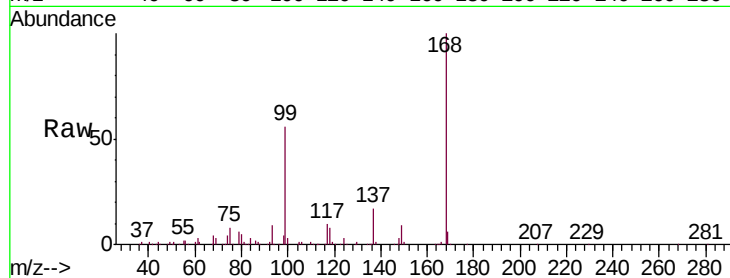
RBR-200034

Tgt Ion:168 Resp: 223984

Ion Ratio Lower Upper

168 100

99 56.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

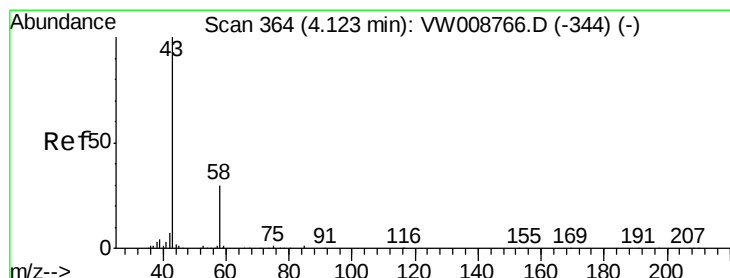
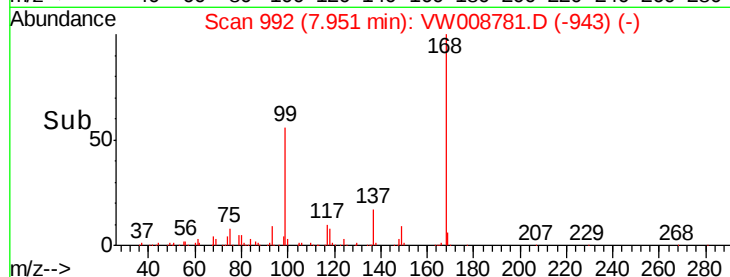
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 22.042 ug/l m

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008781.D

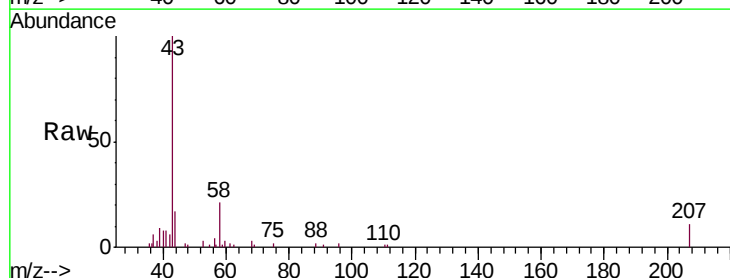
Acq: 21 Feb 2019 20:24

Tgt Ion: 43 Resp: 10733

Ion Ratio Lower Upper

43 100

58 21.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

5000

4000

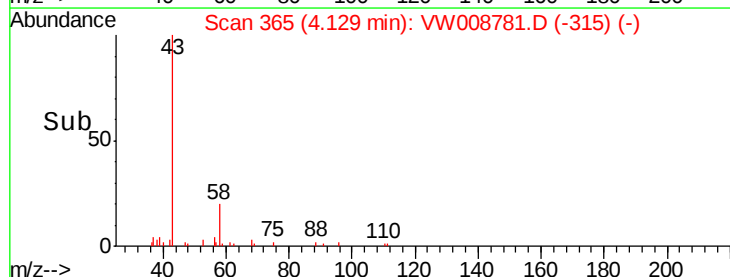
3000

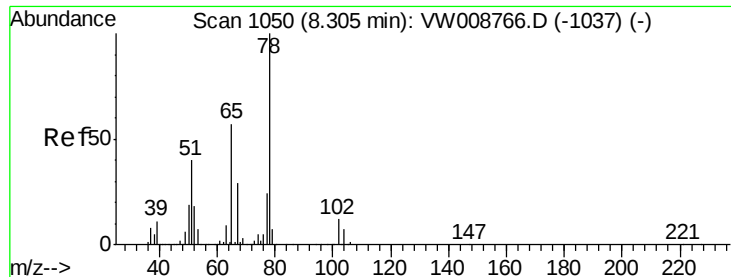
2000

1000

0

Time-->

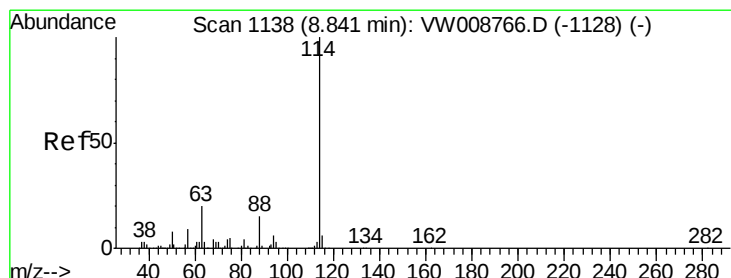
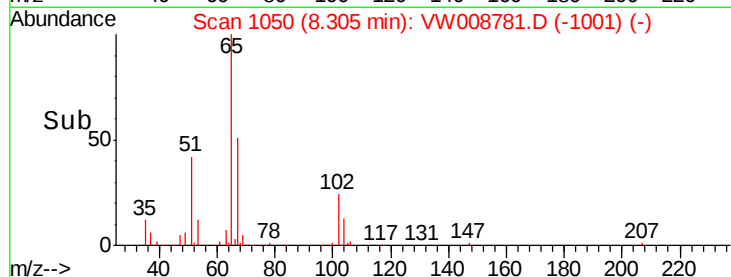
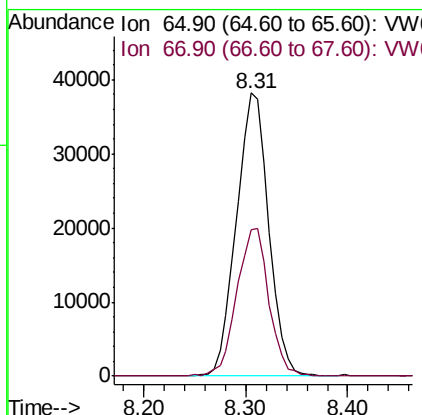
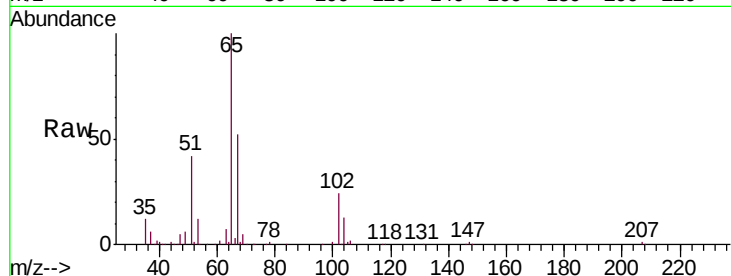




#33
 1,2-Dichloroethane-d4
 Concen: 39.896 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008781.D
 Acq: 21 Feb 2019 20:24

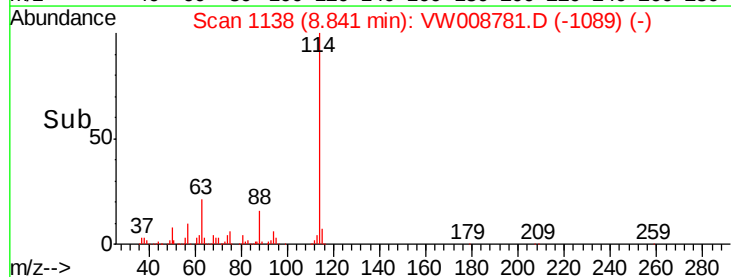
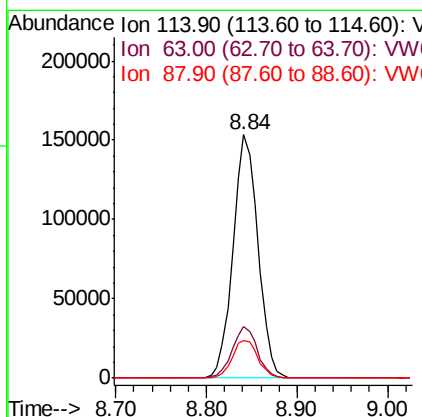
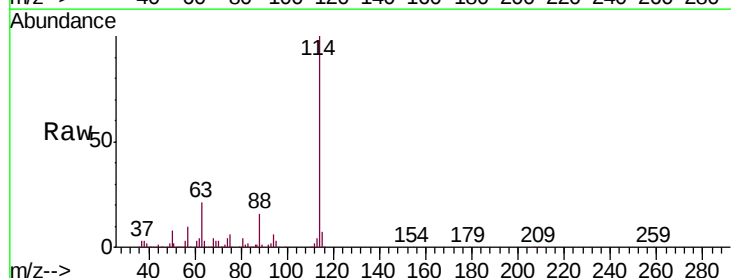
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200034

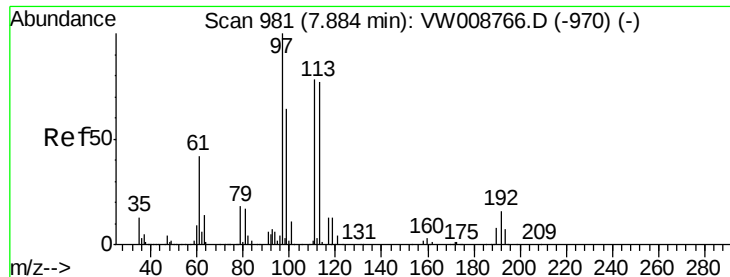
Tgt Ion: 65 Resp: 83813
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008781.D
 Acq: 21 Feb 2019 20:24

Tgt Ion: 114 Resp: 296359
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 45.583 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

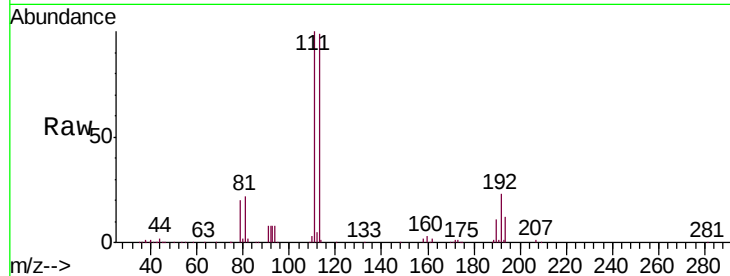
Tgt Ion:113 Resp: 81109

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

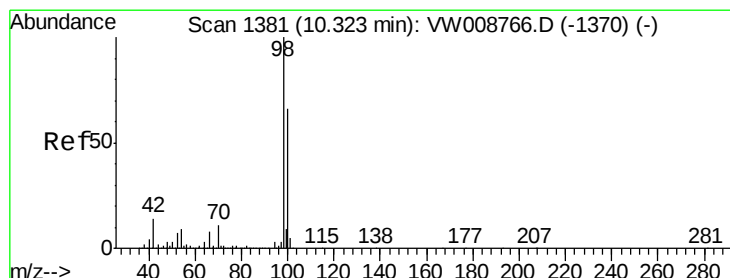
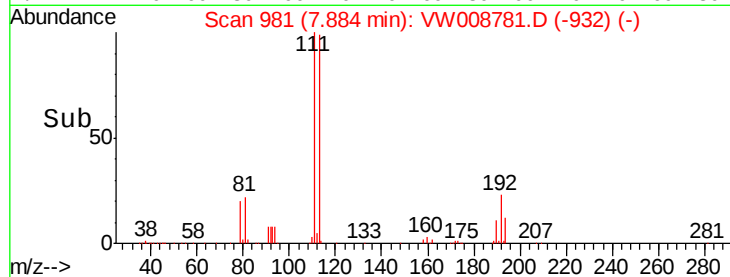
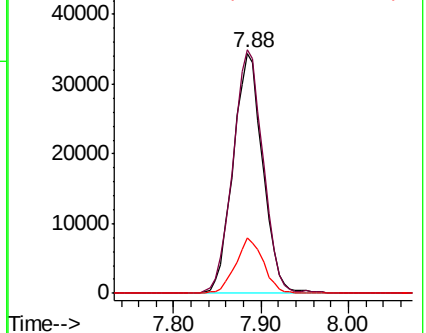
192 21.3 17.1 25.7



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: 52.678 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008781.D

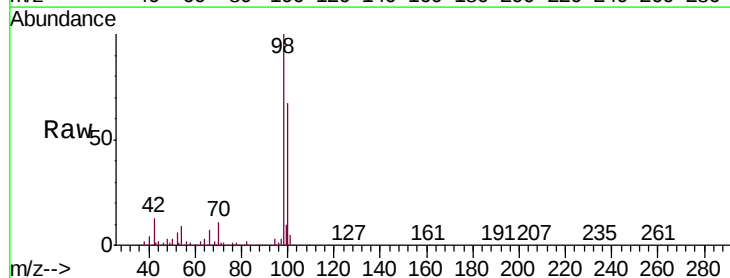
Acq: 21 Feb 2019 20:24

Tgt Ion: 98 Resp: 361841

Ion Ratio Lower Upper

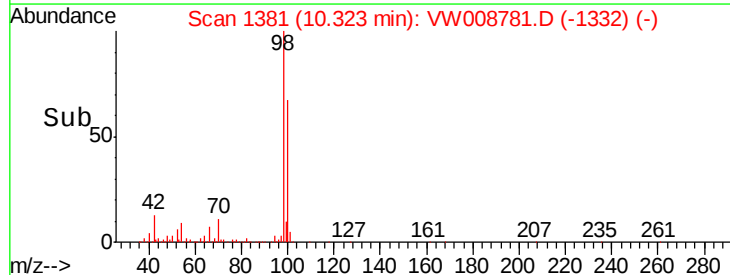
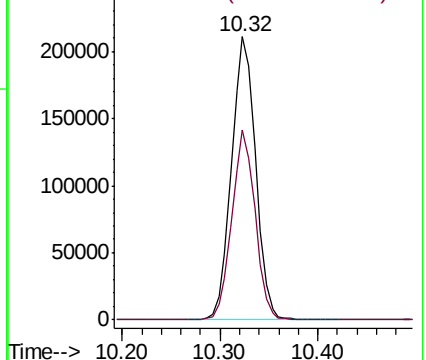
98 100

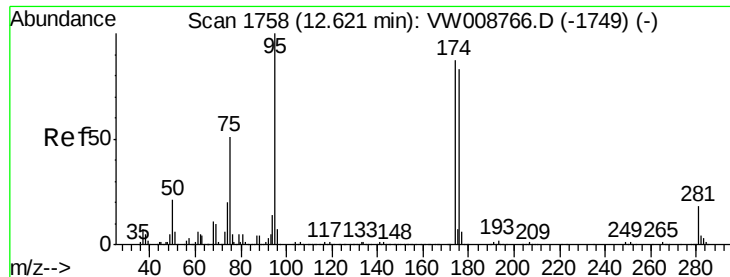
100 64.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

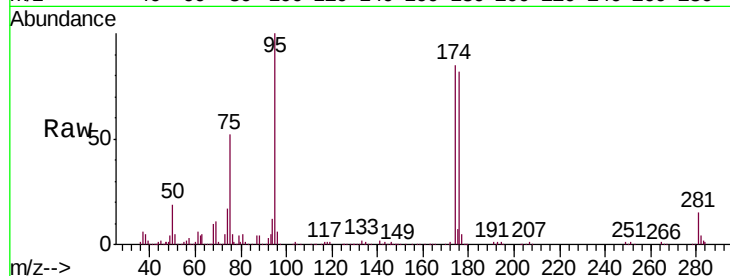
Tgt Ion: 95 Resp: 108575

Ion Ratio Lower Upper

95 100

174 86.5 0.0 169.2

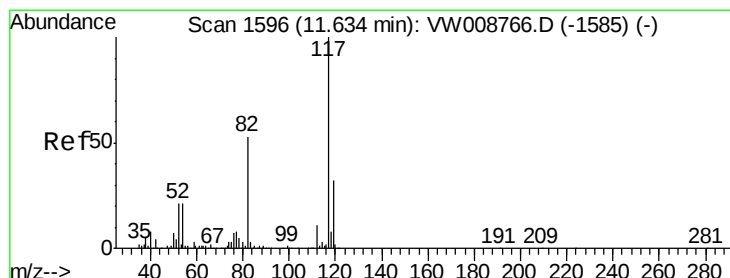
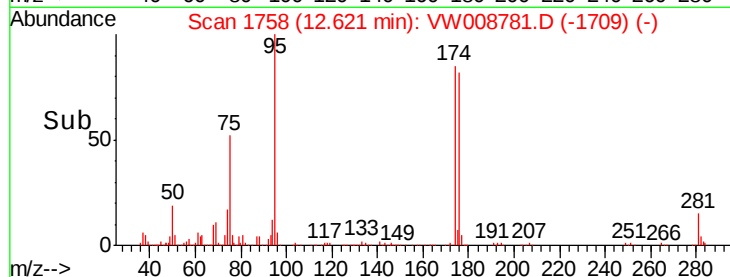
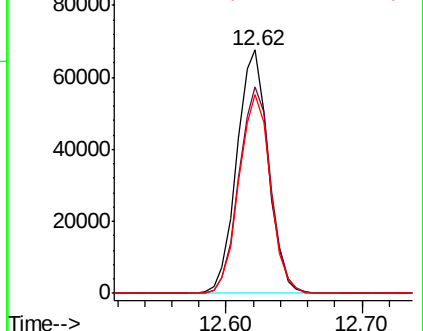
176 82.1 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

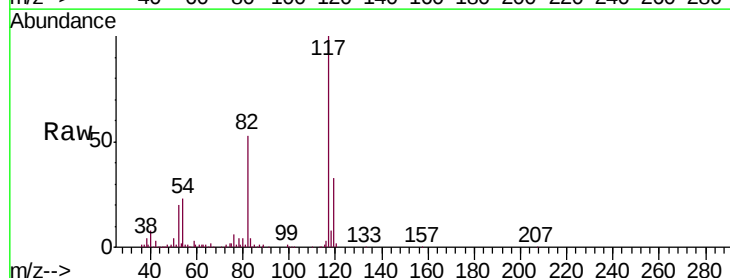
Tgt Ion: 117 Resp: 250021

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

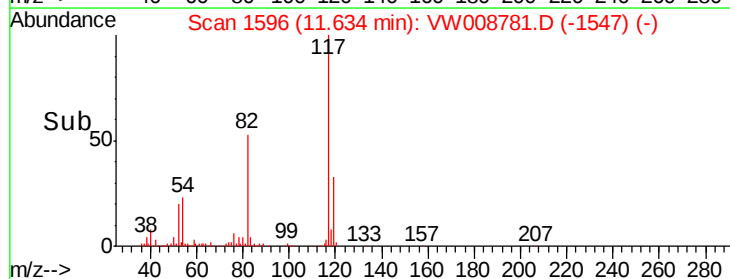
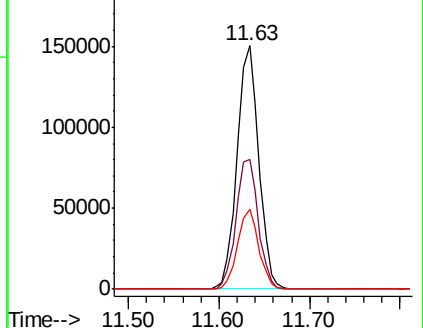
119 32.5 25.9 38.9

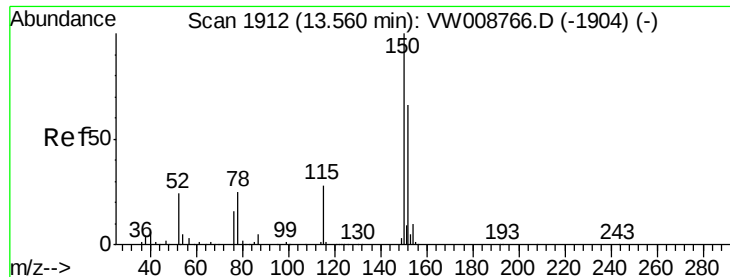


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

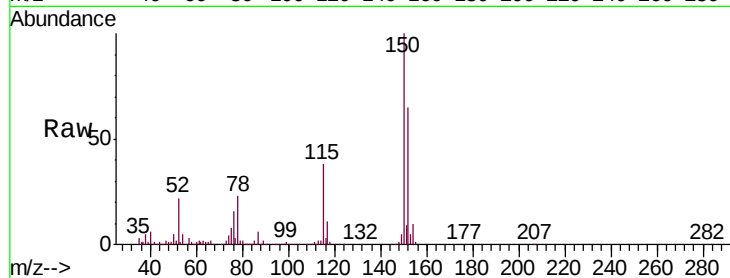
Tgt Ion:152 Resp: 107129

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.8

150 152.5 0.0 348.0



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

