

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003993.D
 Acq On : 17 Jul 2018 18:47
 Operator : VA/AP
 Sample : J3996-01
 Misc : 4.17G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MH-1

Quant Time: Jul 18 06:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	158070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	275656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	135576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	118883	67.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.56%	
35) Dibromofluoromethane	7.88	113	99214	56.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.20%	
50) Toluene-d8	10.33	98	342613	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.62	95	126254	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	

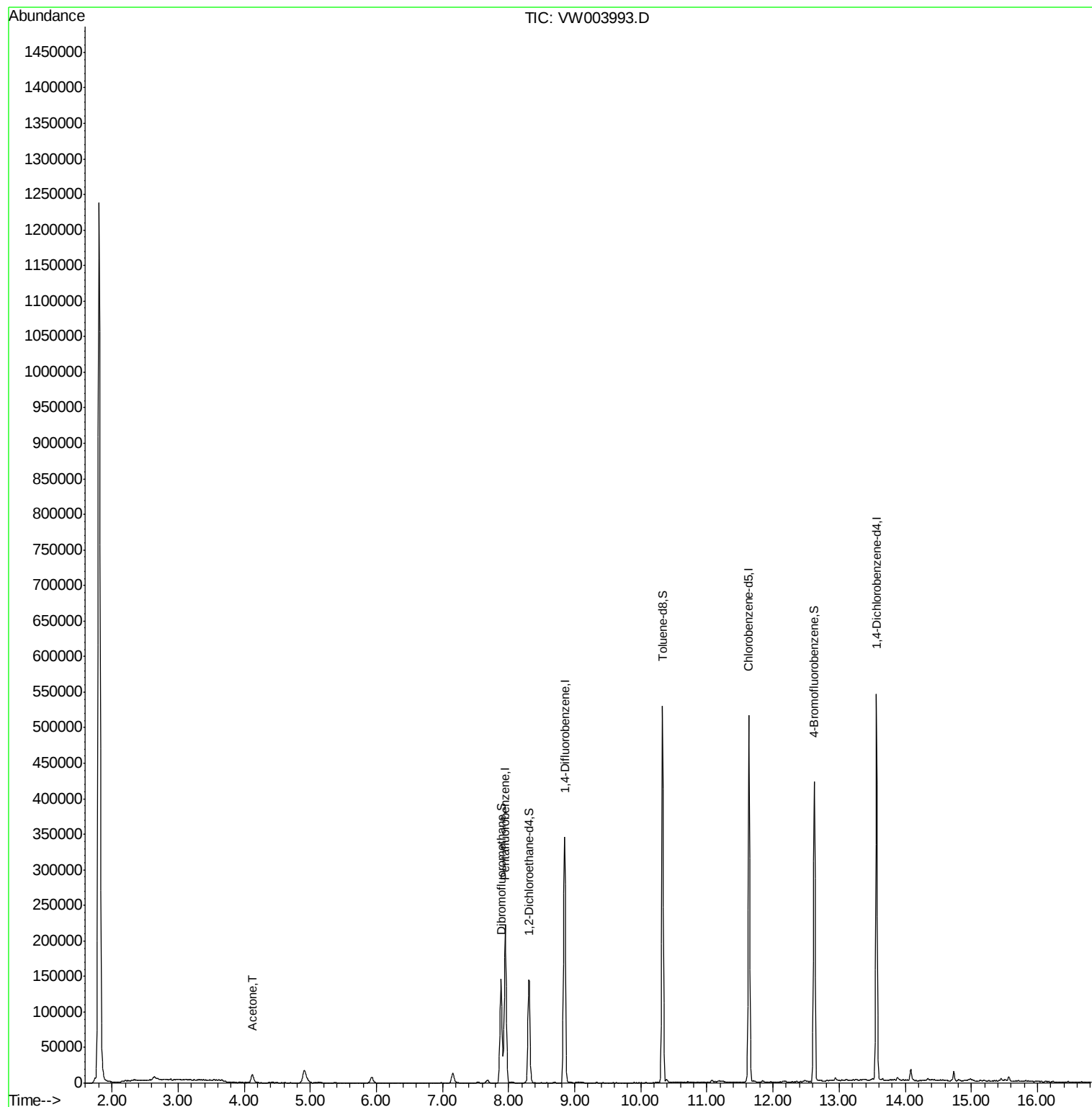
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	20360	47.95	ug/l	95

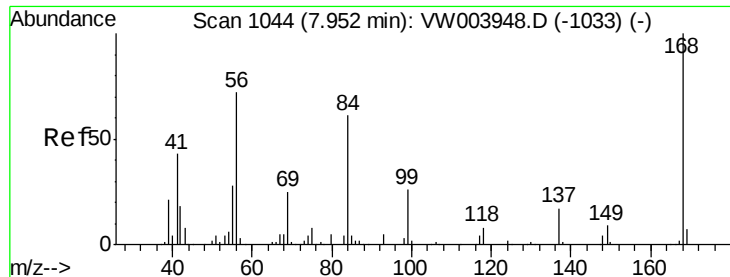
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

Instrument :

MSVOA_W

ClientSampled :

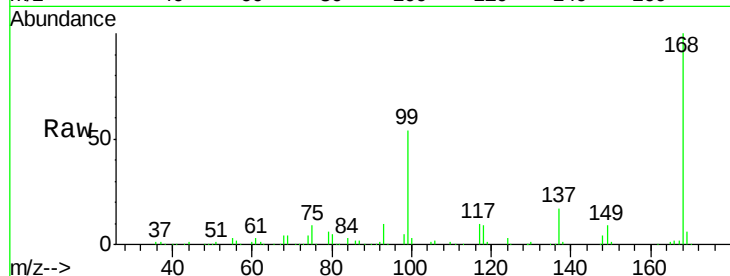
MH-1

Tot Ion:168 Resp: 158070

Ion Ratio Lower Upper

168 100

99 53.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

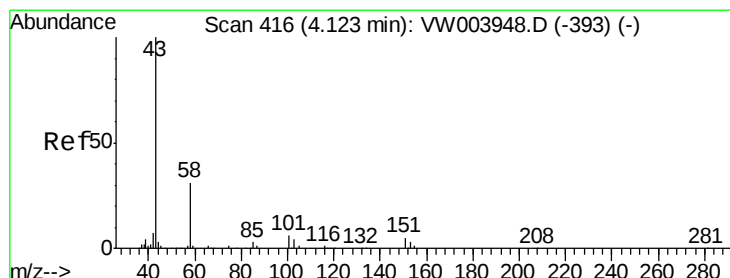
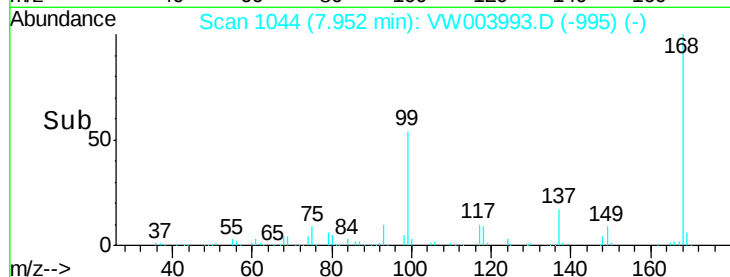
20000

0

Time-->

7.90

8.00



#16

Acetone

Concen: 47.95 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003993.D

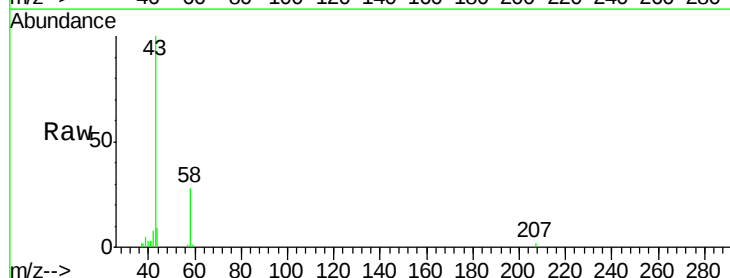
Acq: 17 Jul 2018 18:47

Tgt Ion: 43 Resp: 20360

Ion Ratio Lower Upper

43 100

58 27.6 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

4000

2000

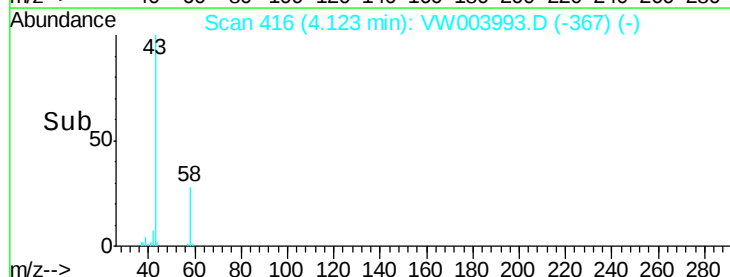
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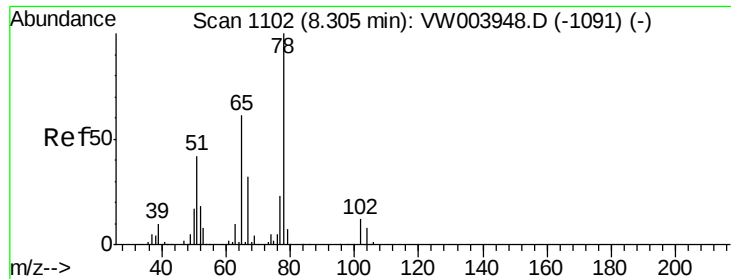
Time-->

4.00

4.10

4.20





#33

1,2-Dichloroethane-d4

Concen: 67.28 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

Instrument :

MSVOA_W

ClientSampled :

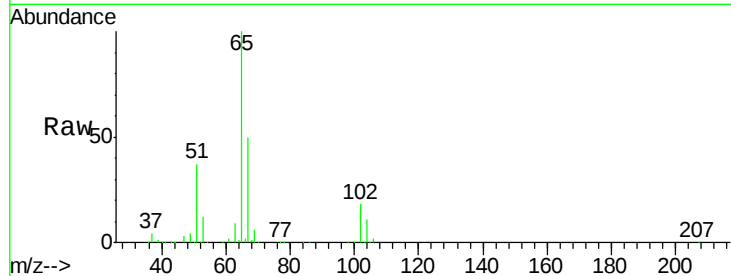
MH-1

Tot Ion: 65 Resp: 118883

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

50000

40000

30000

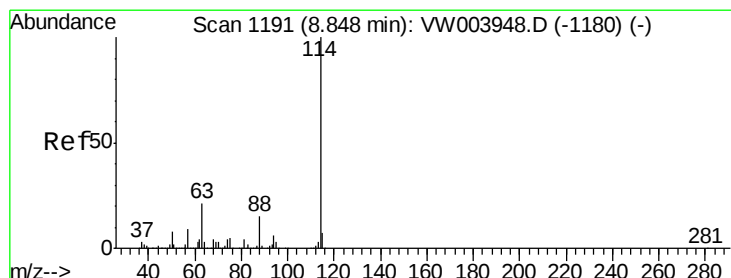
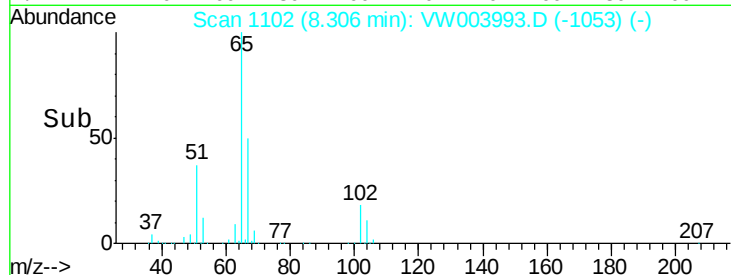
20000

10000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

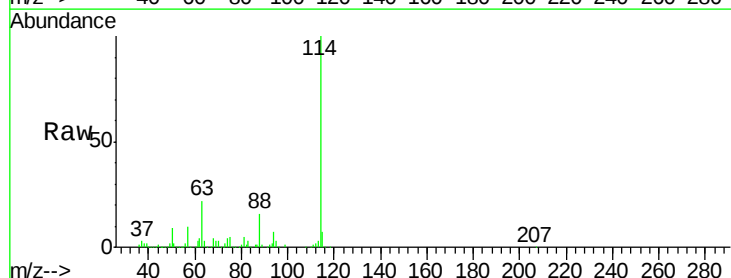
Tgt Ion: 114 Resp: 275656

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.8

88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

150000

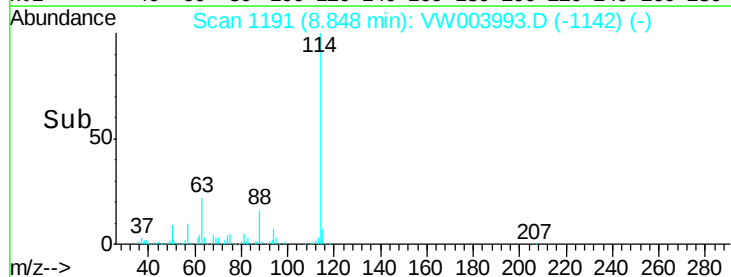
100000

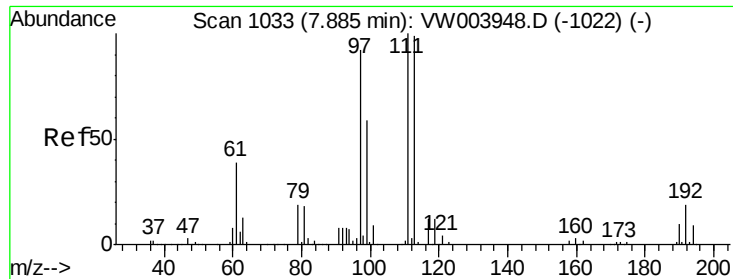
50000

0

8.80 8.90 9.00

Time-->

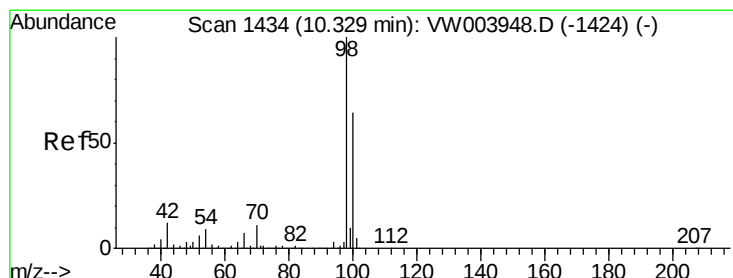
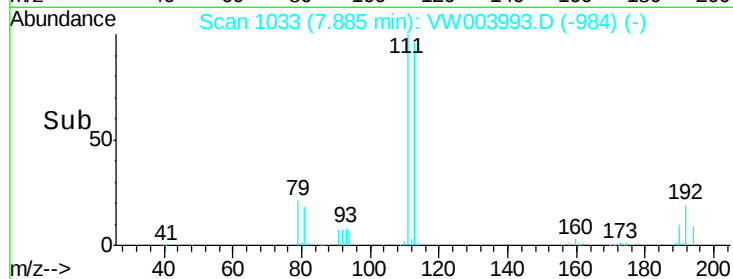
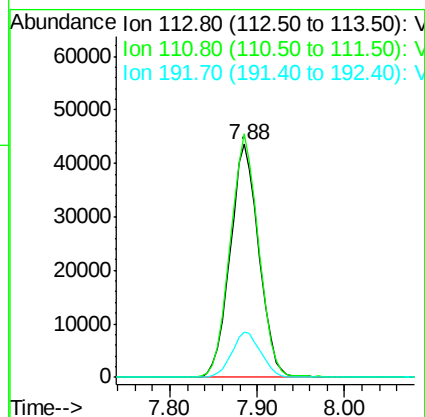
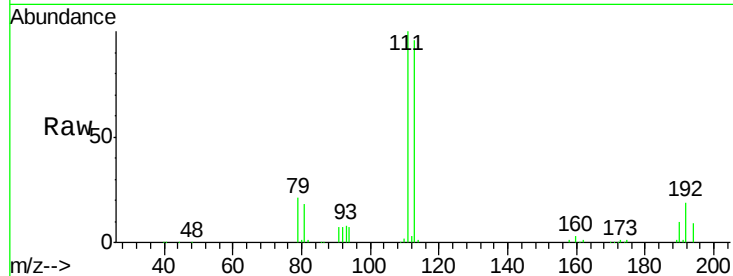




#35
 Dibromofluoromethane
 Concen: 56.10 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003993.D
 Acq: 17 Jul 2018 18:47

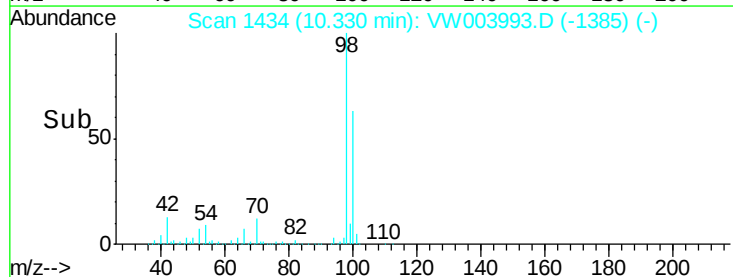
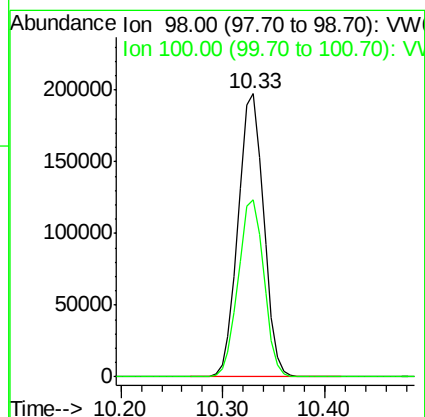
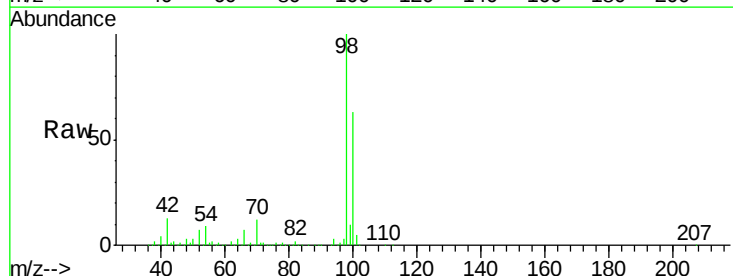
Instrument :
 MSVOA_W
 ClientSampled :
 MH-1

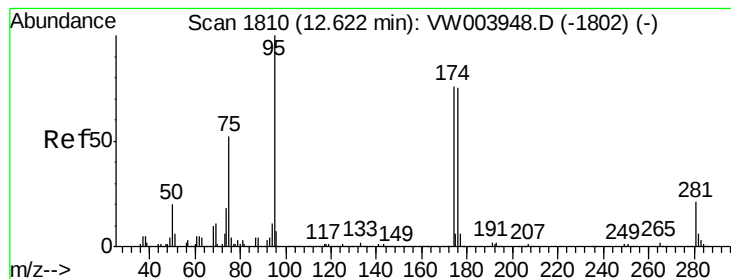
Tot Ion:113 Resp: 99214
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.3 121.9
 192 19.7 15.8 23.6



#50
 Toluene-d8
 Concen: 49.92 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003993.D
 Acq: 17 Jul 2018 18:47

Tgt Ion: 98 Resp: 342613
 Ion Ratio Lower Upper
 98 100
 100 62.7 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 51.02 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

Instrument :

MSVOA_W

ClientSampleId :

MH-1

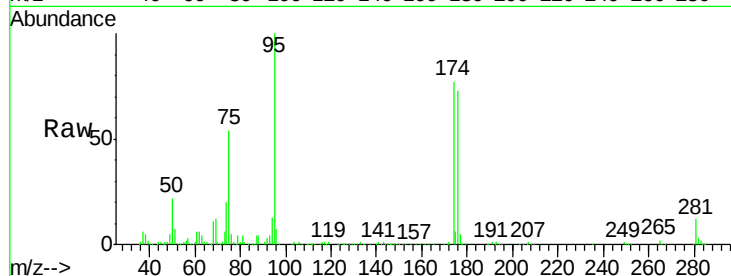
Tot Ion: 95 Resp: 126254

Ion Ratio Lower Upper

95 100

174 82.2 0.0 160.2

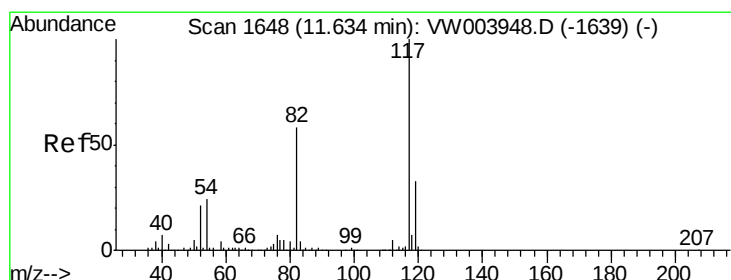
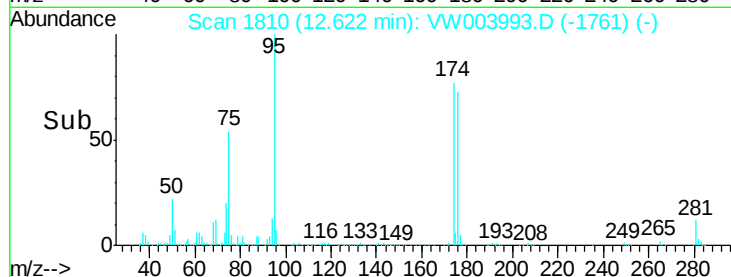
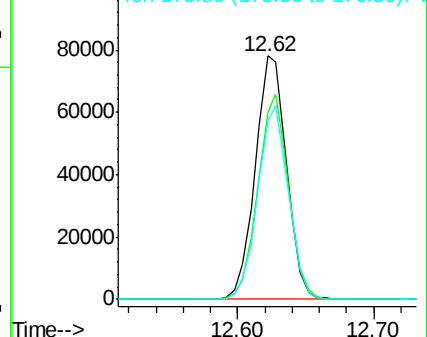
176 77.8 0.0 155.8



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: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

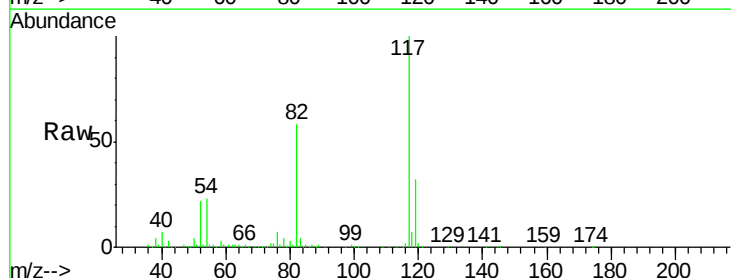
Tgt Ion: 117 Resp: 271701

Ion Ratio Lower Upper

117 100

82 57.9 46.5 69.7

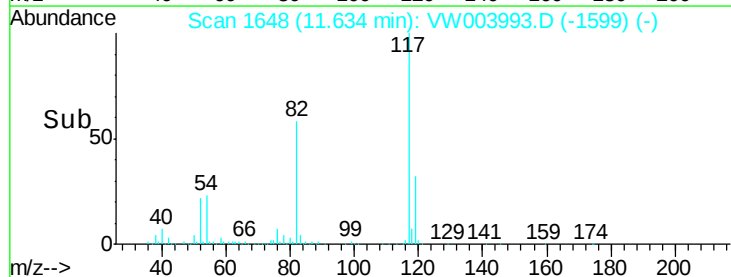
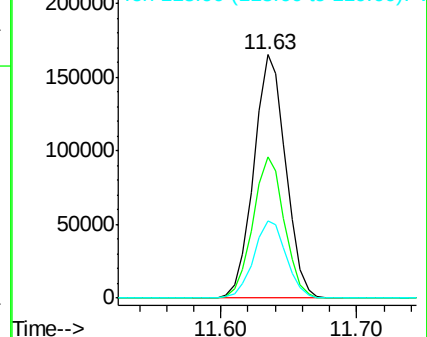
119 31.9 26.2 39.2

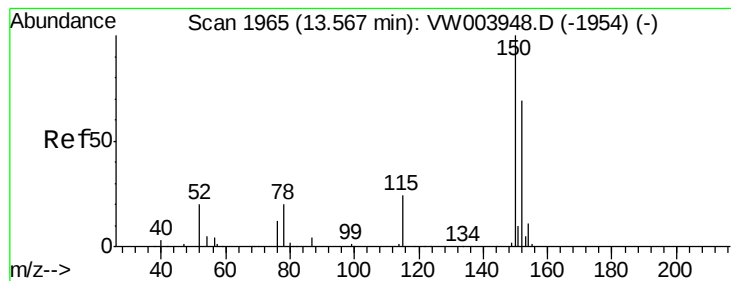


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003993.D

Acq: 17 Jul 2018 18:47

Instrument :

MSVOA_W

ClientSampleId :

MH-1

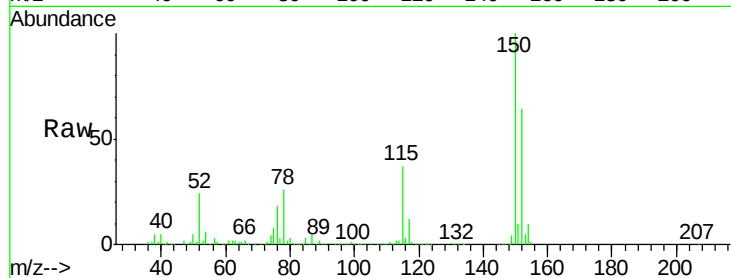
Tot Ion:152 Resp: 135576

Ion Ratio Lower Upper

152 100

115 59.3 29.2 87.6

150 156.8 0.0 345.2



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

