

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006189.D
 Acq On : 18 Oct 2018 21:02
 Operator : VA/AP
 Sample : J5565-03RE
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RLF-SD-4RE

Quant Time: Oct 19 07:35:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

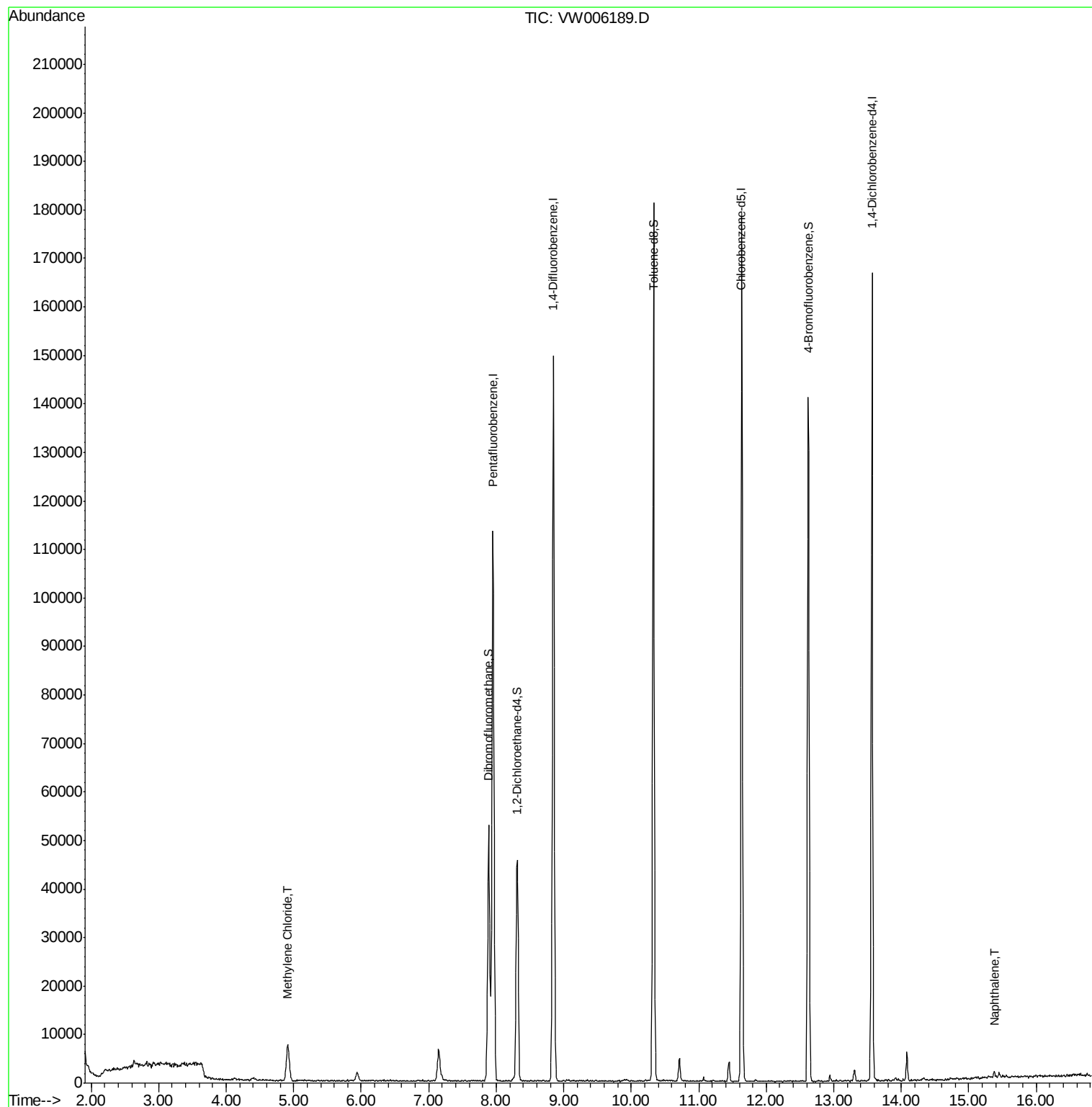
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	91410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	131090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	46704	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	36937	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	7.89	113	35281	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
50) Toluene-d8	10.33	98	122294	41.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.00%	
62) 4-Bromofluorobenzene	12.62	95	39365	35.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.12%	
Target Compounds						
20) Methylene Chloride	4.91	84	5797	5.79	ug/l	93
95) Naphthalene	15.38	128	1837	1.00	ug/l #	95

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

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Quant Time: Oct 19 07:35:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

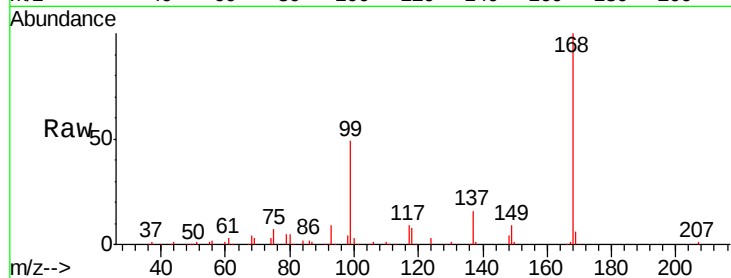
RLF-SD-4RE

Tgt Ion:168 Resp: 91410

Ion Ratio Lower Upper

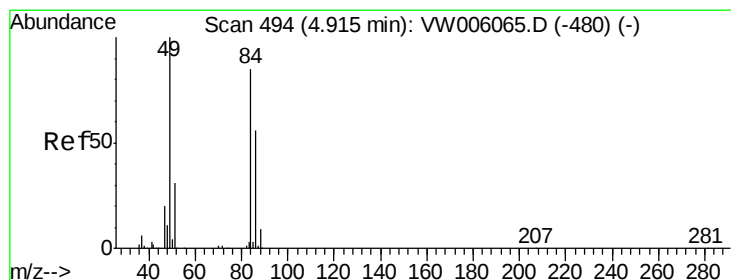
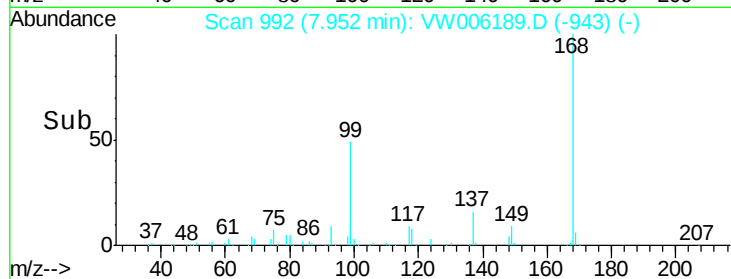
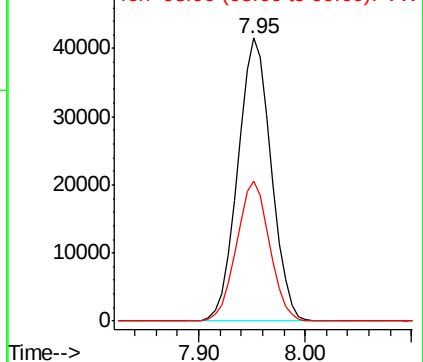
168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 5.79 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Tgt Ion: 84 Resp: 5797

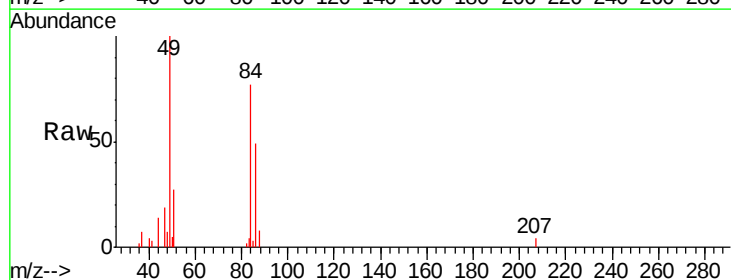
Ion Ratio Lower Upper

84 100

49 130.2 93.6 140.4

51 35.7 29.0 43.4

86 63.4 52.6 79.0

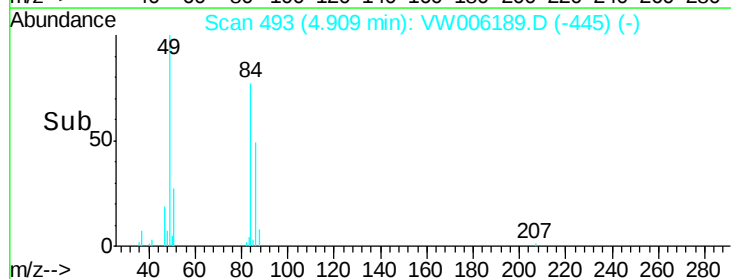
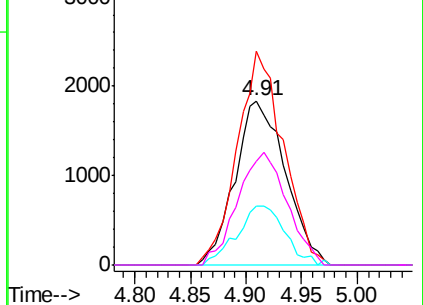


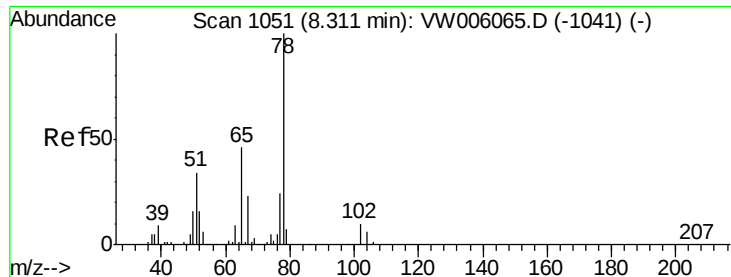
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.74 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

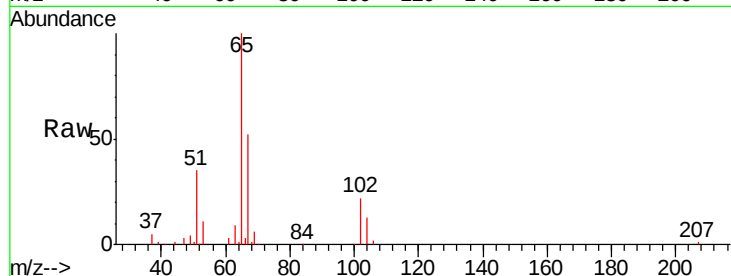
RLF-SD-4RE

Tgt Ion: 65 Resp: 36937

Ion Ratio Lower Upper

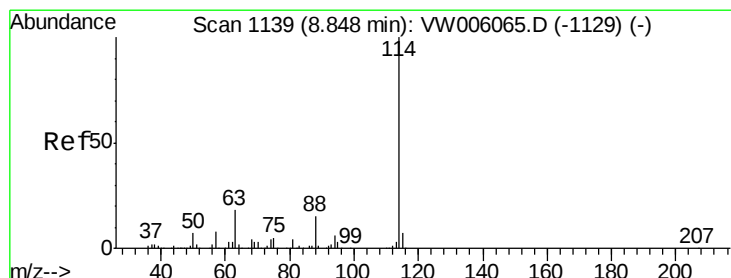
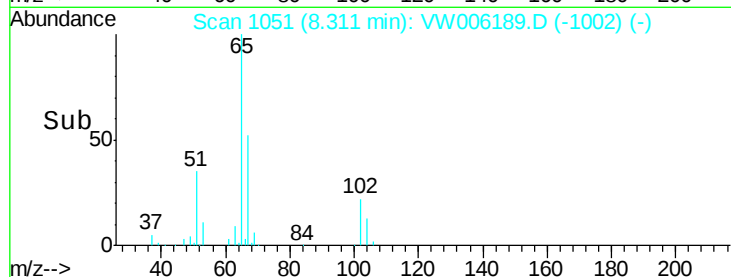
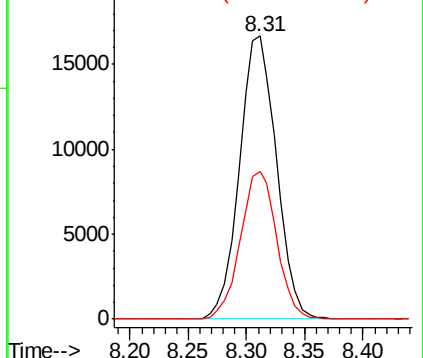
65 100

67 51.2 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

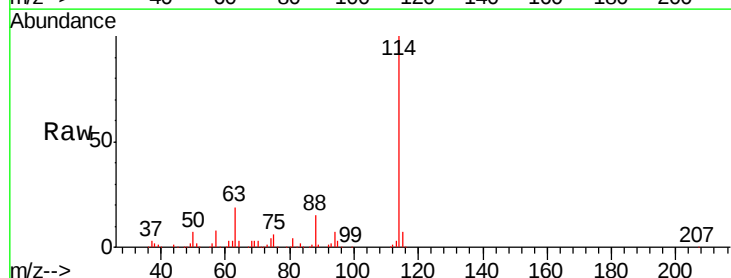
Tgt Ion: 114 Resp: 131090

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

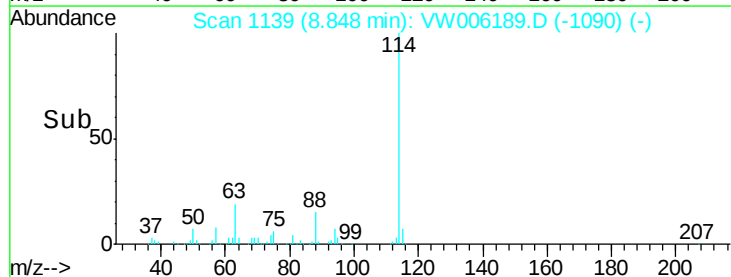
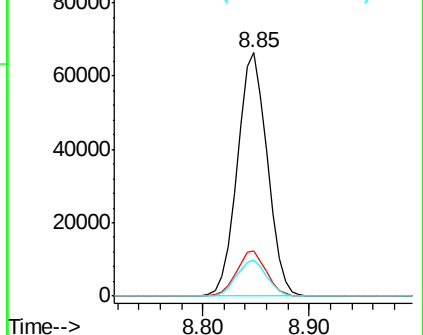
88 14.9 0.0 29.0



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





#35

Dibromofluoromethane

Concen: 45.55 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-4RE

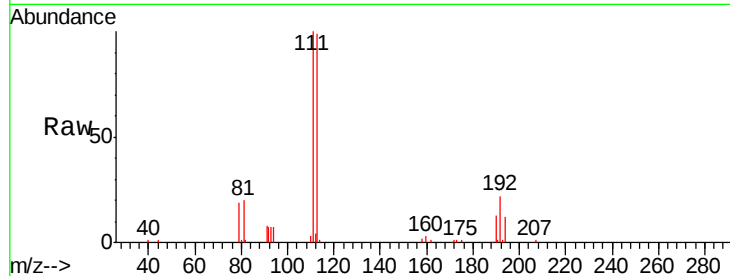
Tgt Ion:113 Resp: 35281

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

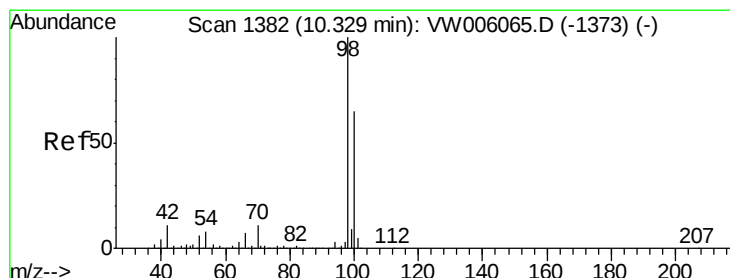
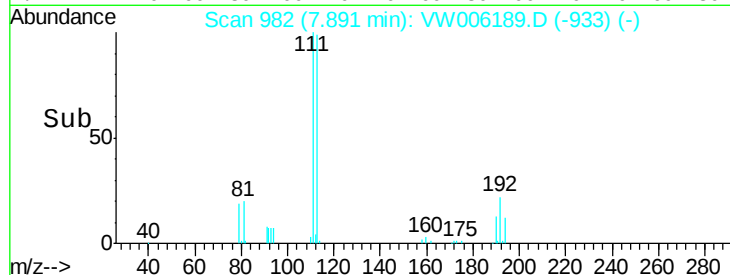
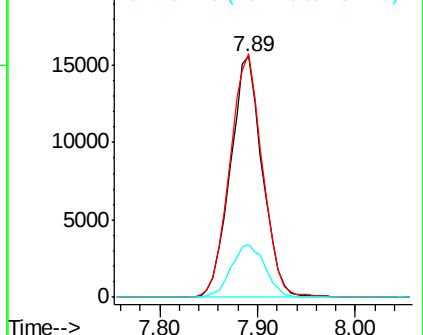
192 23.2 18.7 28.1



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: 41.50 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006189.D

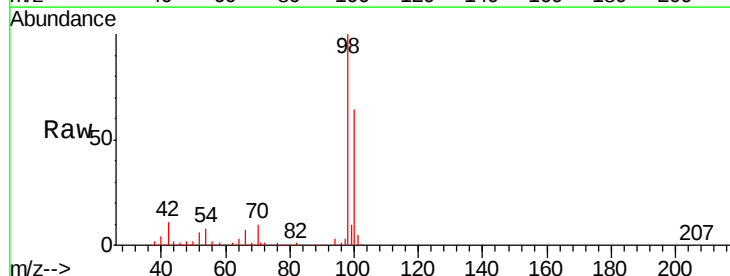
Acq: 18 Oct 2018 21:02

Tgt Ion: 98 Resp: 122294

Ion Ratio Lower Upper

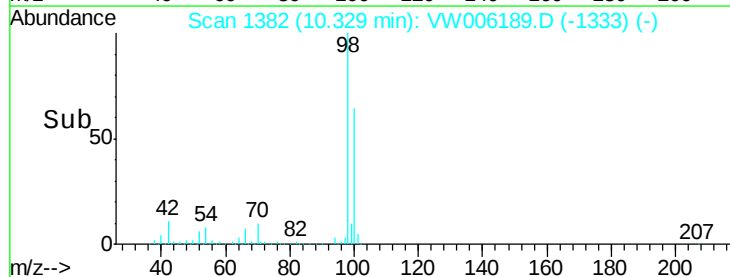
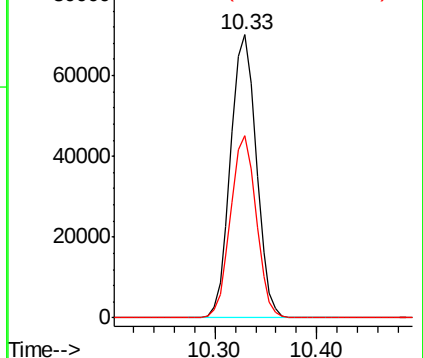
98 100

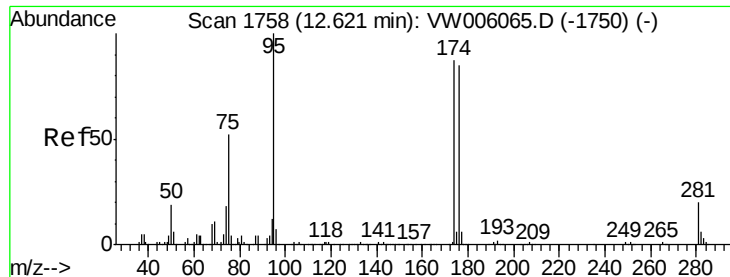
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.56 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-4RE

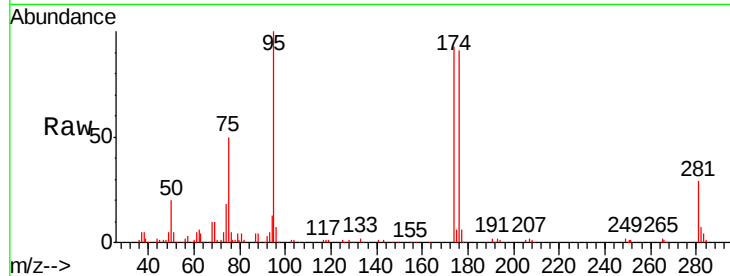
Tgt Ion: 95 Resp: 39365

Ion Ratio Lower Upper

95 100

174 95.8 0.0 186.0

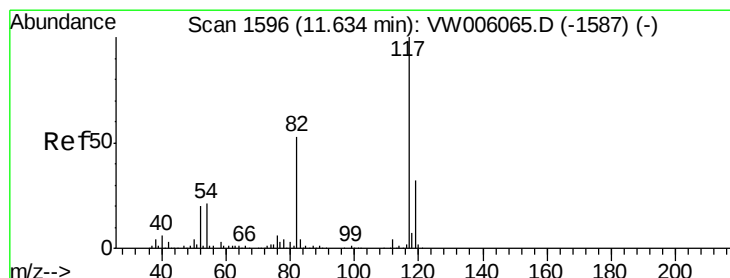
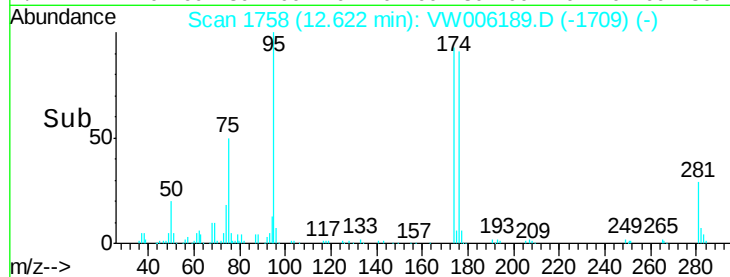
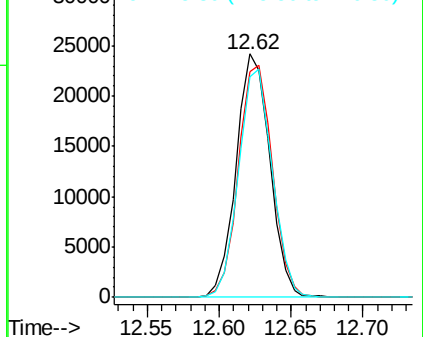
176 93.7 0.0 181.6



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: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

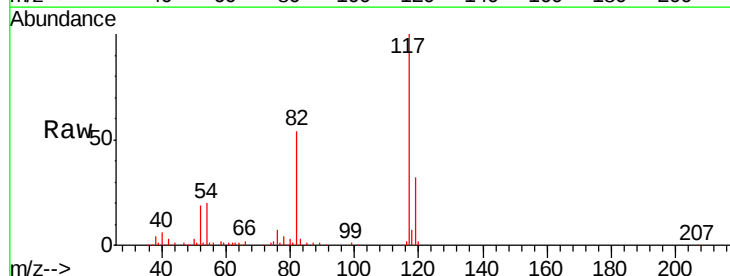
Tgt Ion: 117 Resp: 104353

Ion Ratio Lower Upper

117 100

82 54.0 42.1 63.1

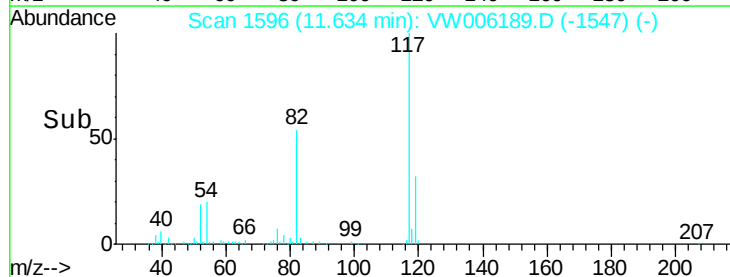
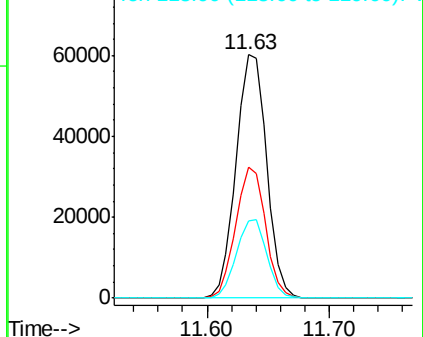
119 31.9 25.8 38.6

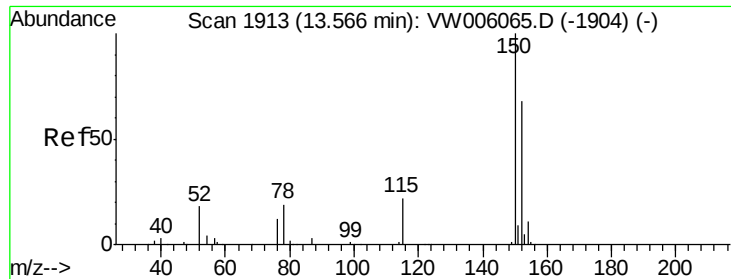


Abundance Ion 116.90 (116.60 to 117.60): VW

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# 1913

Delta R.T. 0.00 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

RLF-SD-4RE

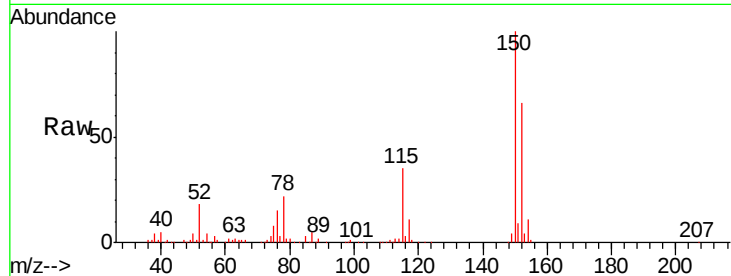
Tgt Ion:152 Resp: 46704

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

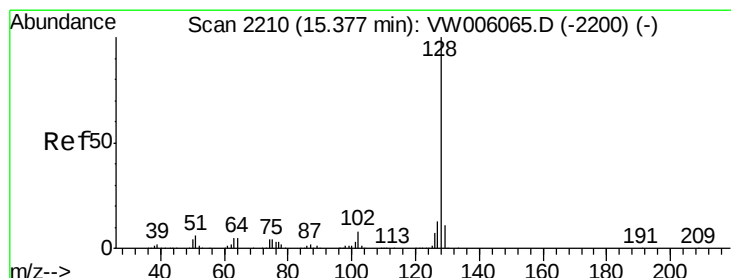
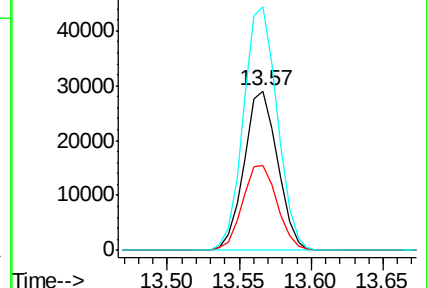
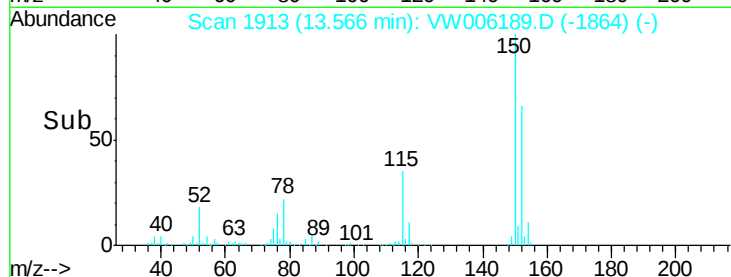
150 154.8 0.0 349.2



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



#95

Naphthalene

Concen: 1.00 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW006189.D

Acq: 18 Oct 2018 21:02

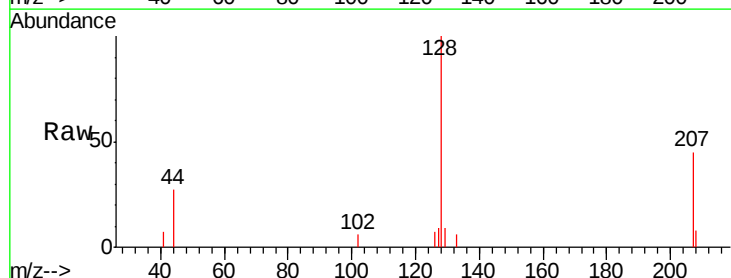
Tgt Ion:128 Resp: 1837

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 8.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

