

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013241.D
 Acq On : 23 Sep 2019 19:31
 Operator : SY/VA
 Sample : K4957-07
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-10.5-11.0

Quant Time: Sep 24 07:55:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

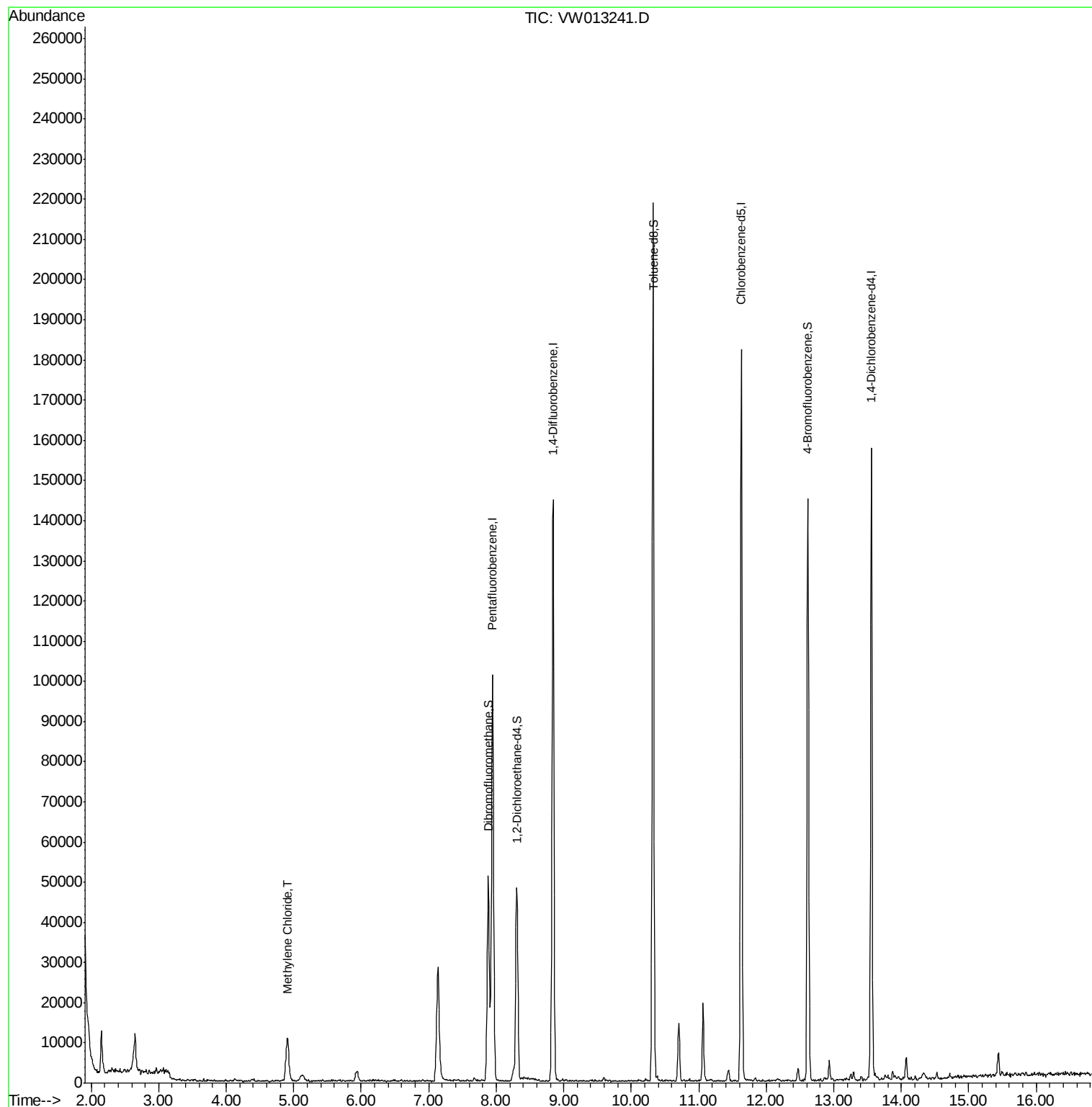
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	86108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	38563	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
35) Dibromofluoromethane	7.88	113	36802	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	10.32	98	149114	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.62	95	44426	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
Target Compounds						
20) Methylene Chloride	4.91	84	7982	7.371	ug/l	Qvalue 93

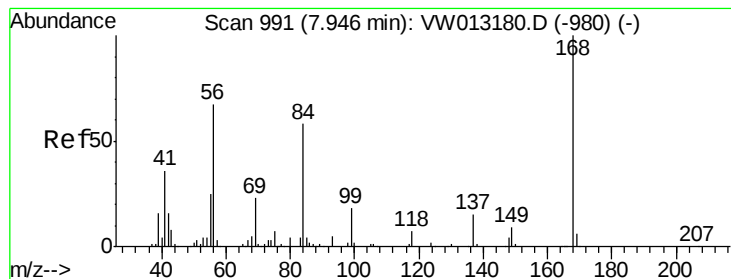
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

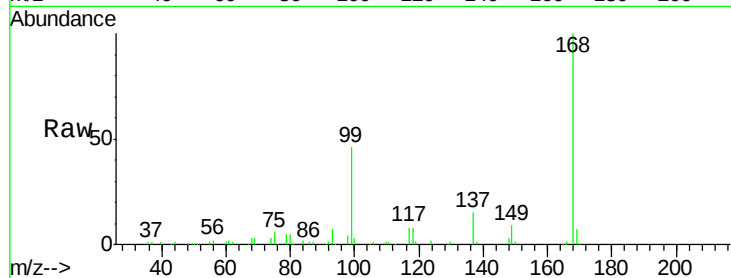
SB-33-10.5-11.0

Tot Ion:168 Resp: 86108

Ion Ratio Lower Upper

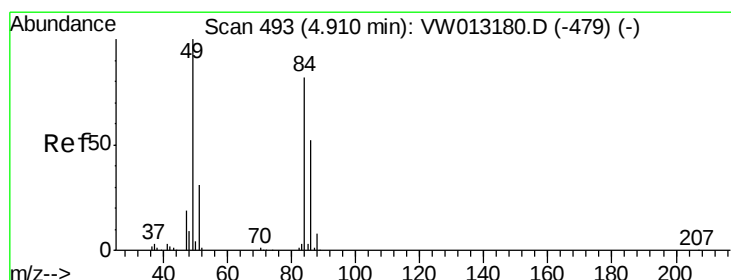
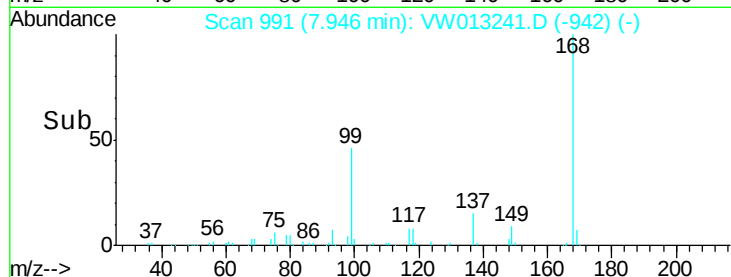
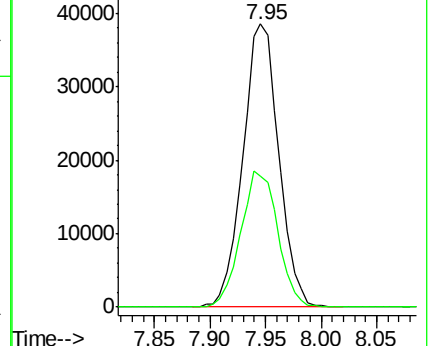
168 100

99 46.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 7.371 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Tgt Ion: 84 Resp: 7982

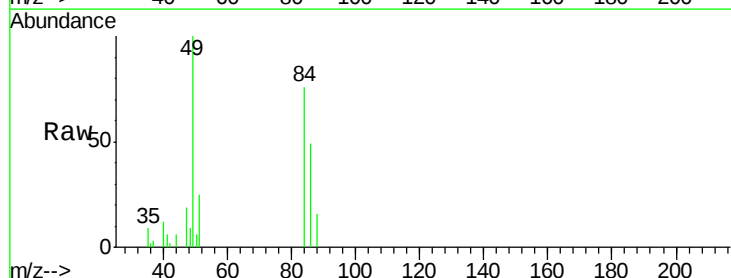
Ion Ratio Lower Upper

84 100

49 131.9 97.6 146.4

51 32.4 30.2 45.2

86 65.1 50.6 76.0

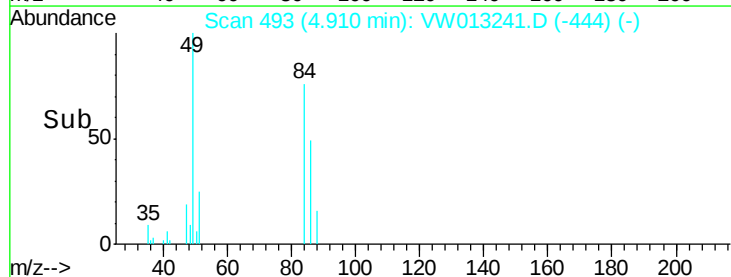
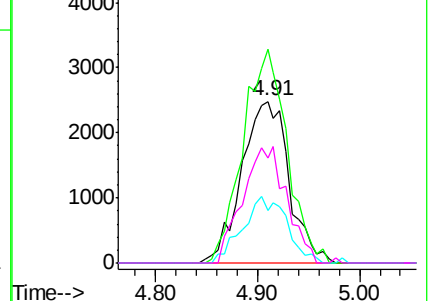


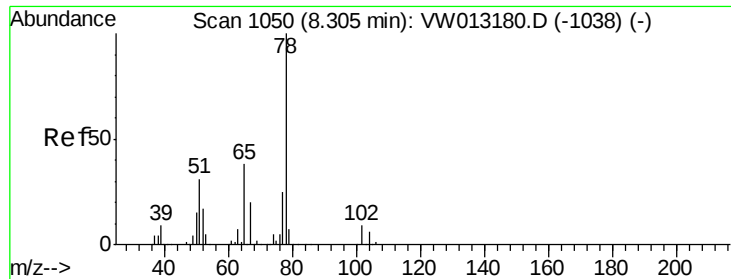
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 54.873 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

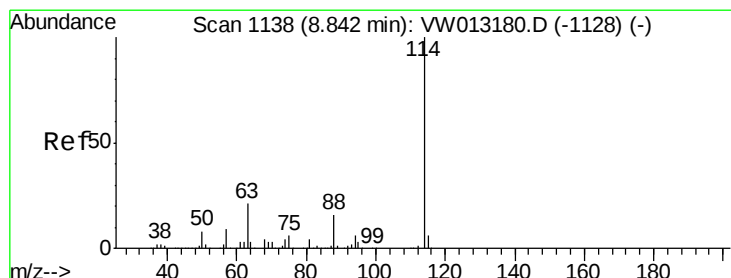
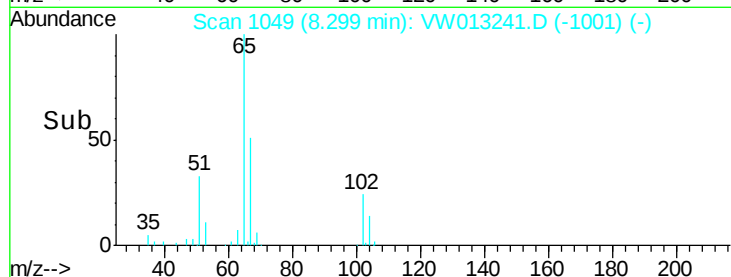
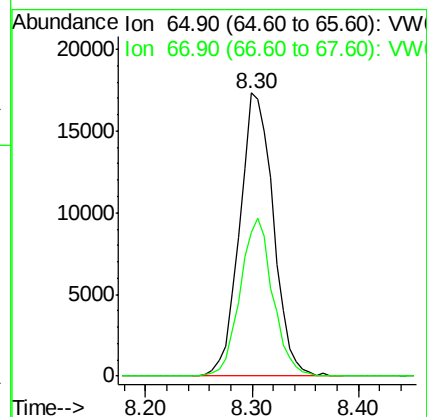
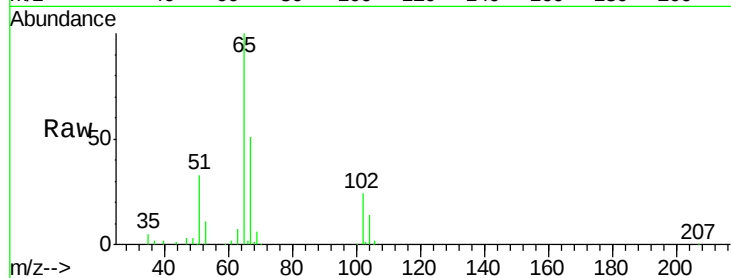
SB-33-10.5-11.0

Tot Ion: 65 Resp: 38563

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

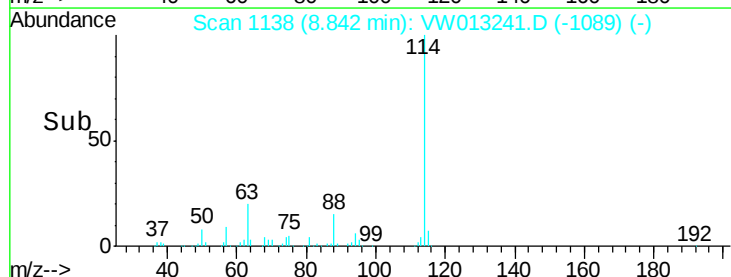
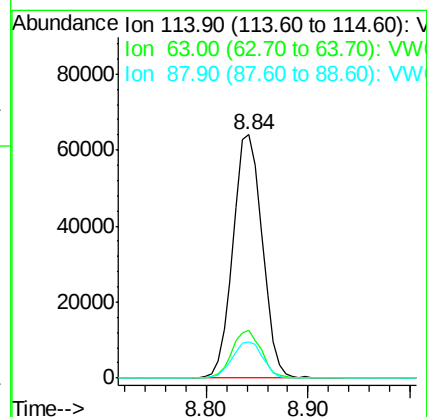
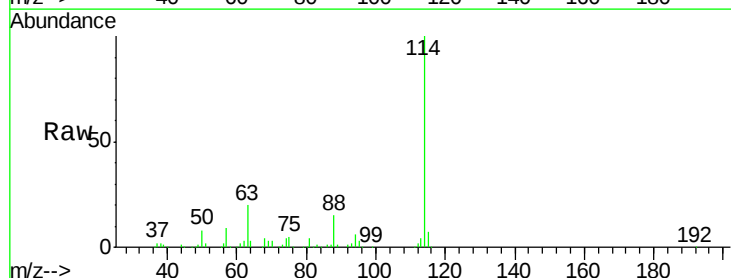
Tgt Ion: 114 Resp: 127249

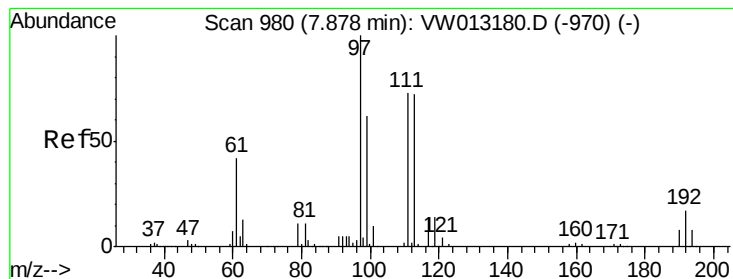
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.584 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

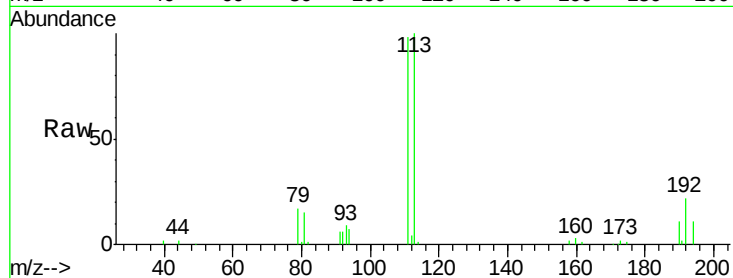
Tot Ion:113 Resp: 36802

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

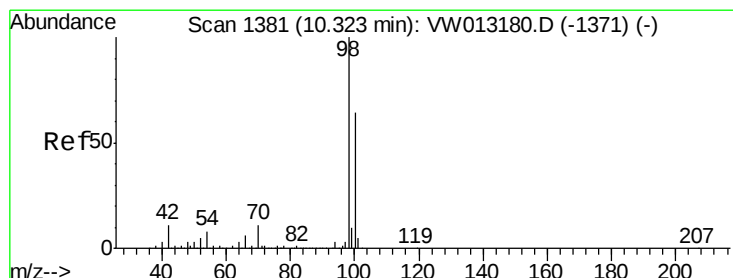
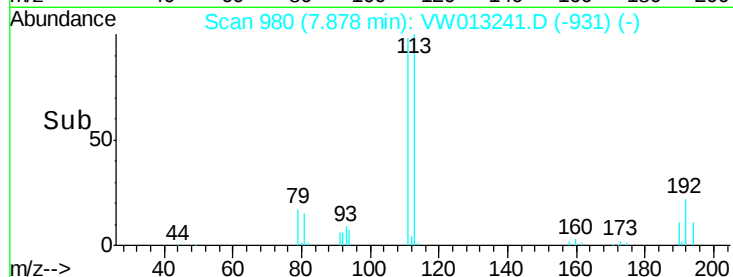
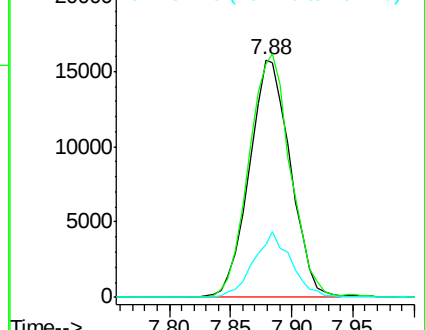
192 25.2 19.1 28.7



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: 50.909 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013241.D

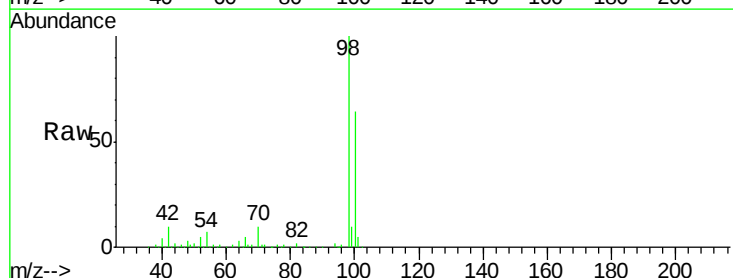
Acq: 23 Sep 2019 19:31

Tgt Ion: 98 Resp: 149114

Ion Ratio Lower Upper

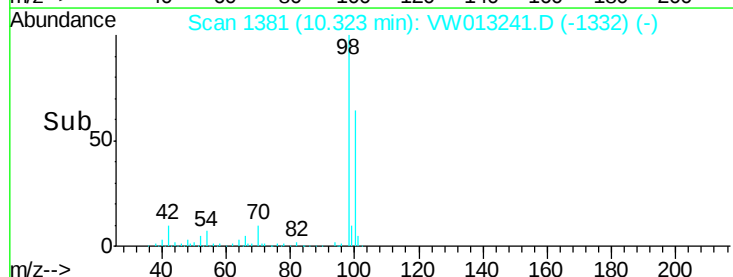
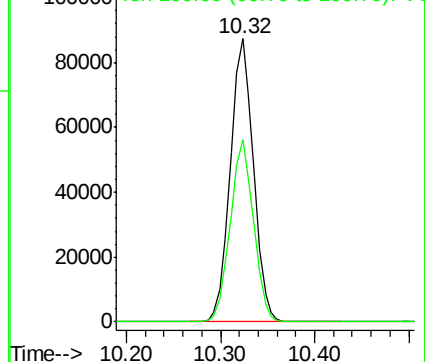
98 100

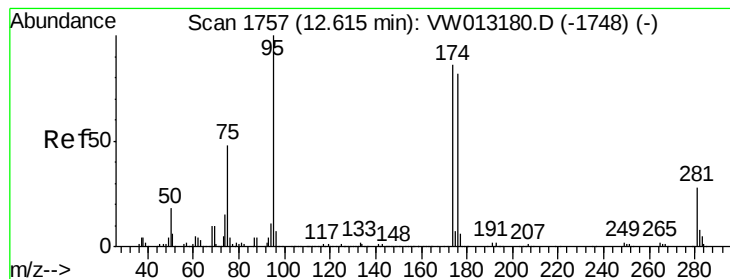
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.402 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

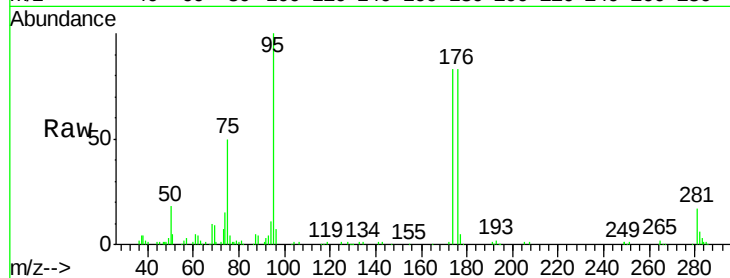
Tot Ion: 95 Resp: 44426

Ion Ratio Lower Upper

95 100

174 92.6 0.0 178.4

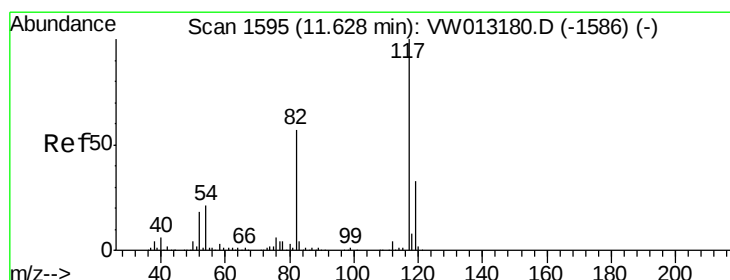
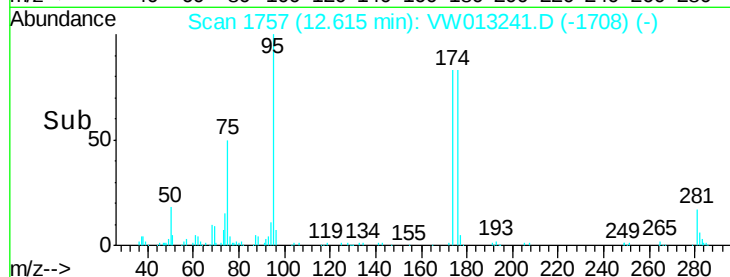
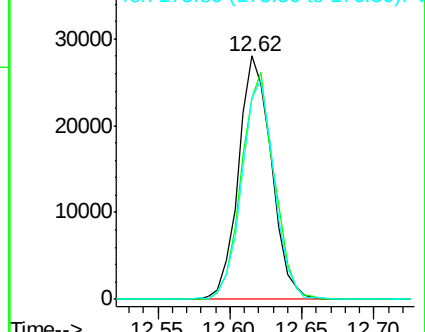
176 89.0 0.0 172.2



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. 0.01 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

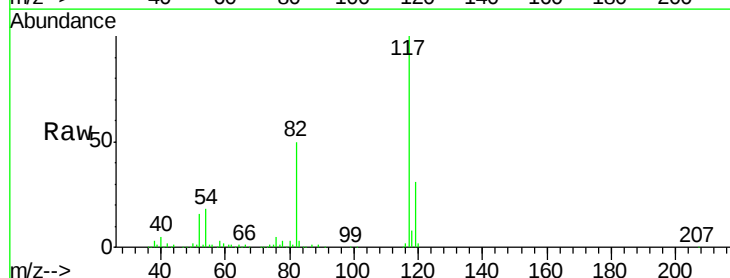
Tgt Ion: 117 Resp: 110591

Ion Ratio Lower Upper

117 100

82 50.0 45.9 68.9

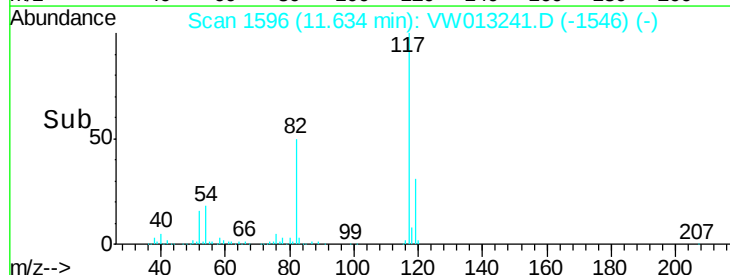
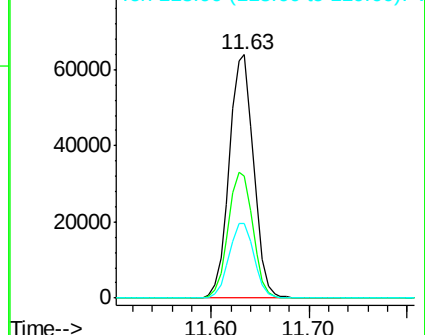
119 30.7 26.2 39.2

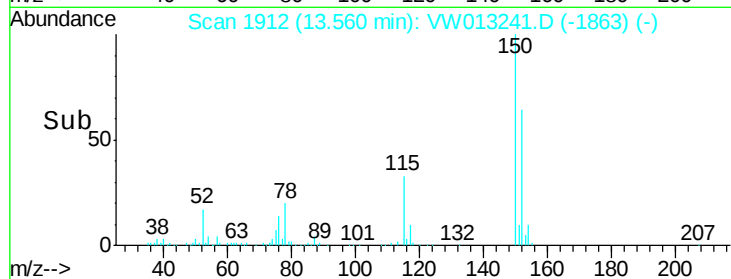
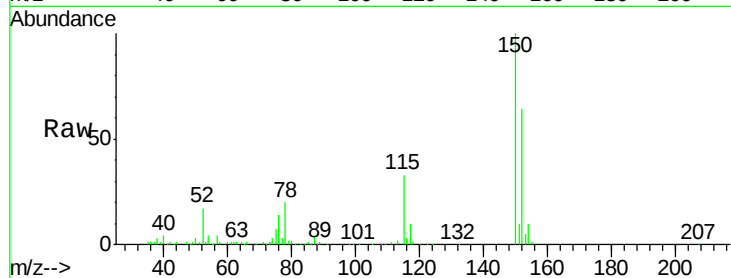
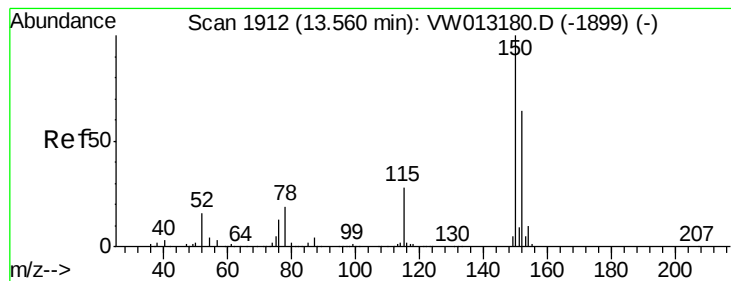


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013241.D

Acq: 23 Sep 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

SB-33-10.5-11.0

Tot Ion:152 Resp: 45084

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

150 158.5 0.0 349.0

