

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012801.D
 Acq On : 09 Sep 2019 05:33
 Operator : SY/VA
 Sample : K4623-13
 Misc : 4.65G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(4)

Quant Time: Sep 09 07:56:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

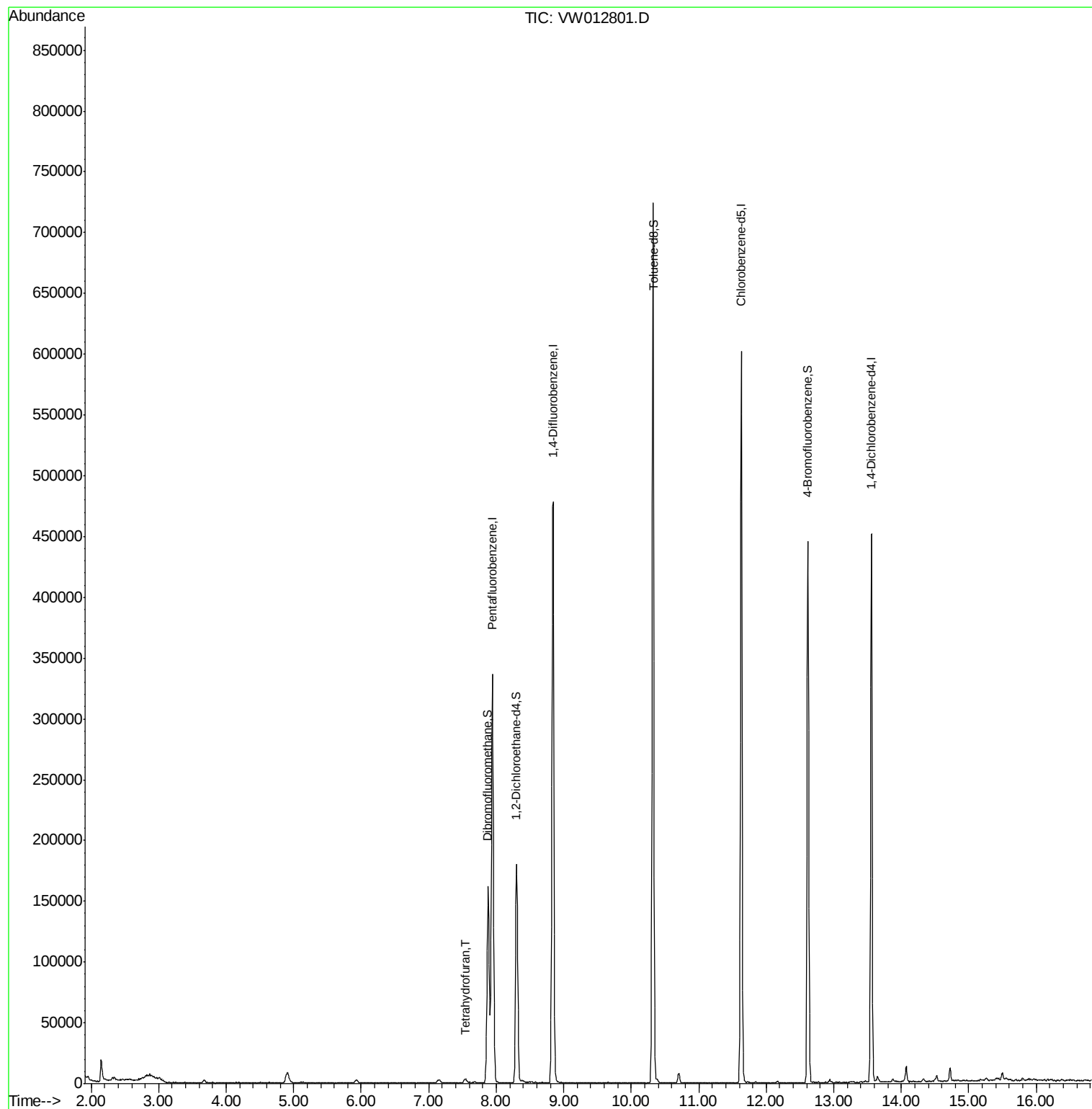
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	148713	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	115258	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
50) Toluene-d8	10.32	98	458579	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.62	95	138555	42.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.72%	
Target Compounds						
29) Tetrahydrofuran	7.53	42	2909	4.680	ug/l #	Qvalue 40

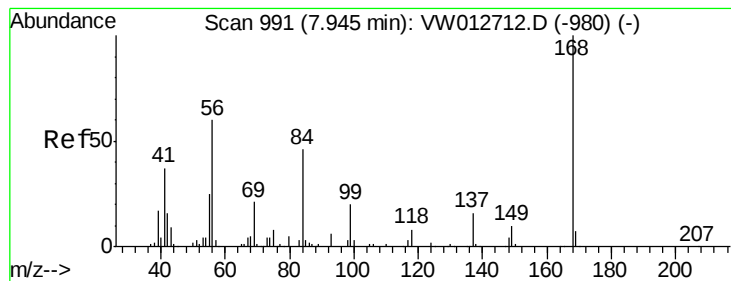
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Sep 08 05:04:40 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

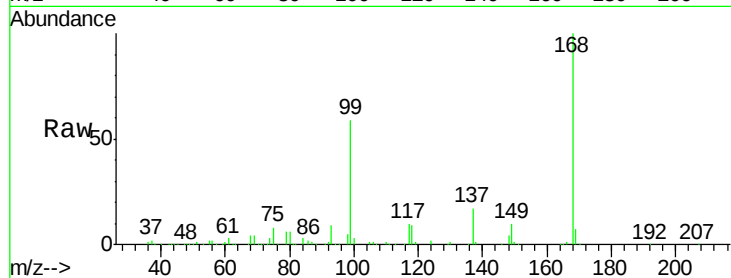
PAR-11-D1-(4)

Tot Ion:168 Resp: 252675

Ion Ratio Lower Upper

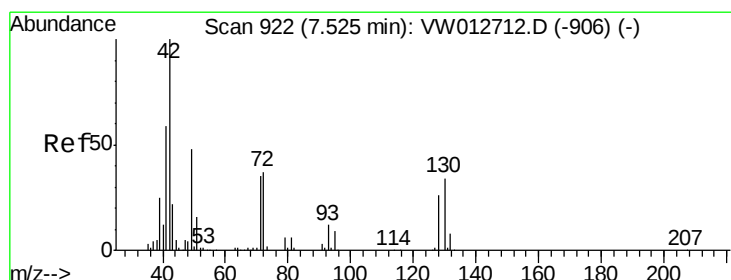
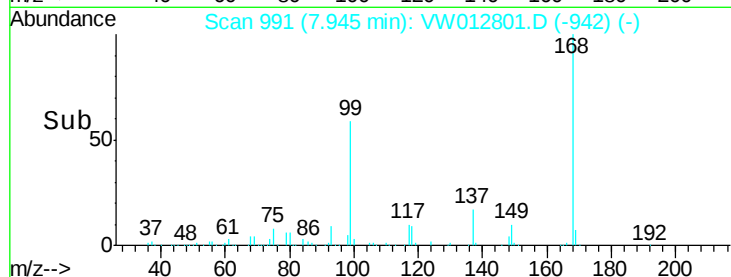
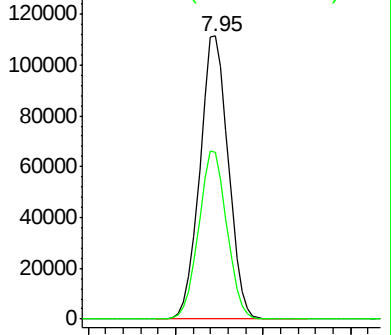
168 100

99 58.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#29

Tetrahydrofuran

Concen: 4.680 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

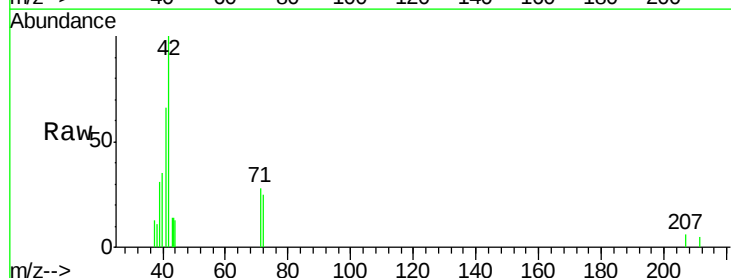
Tgt Ion: 42 Resp: 2909

Ion Ratio Lower Upper

42 100

72 0.0 28.4 42.6#

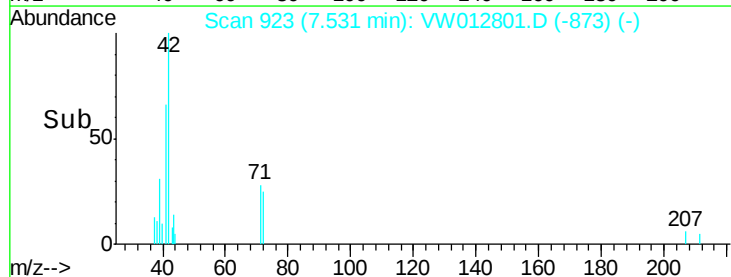
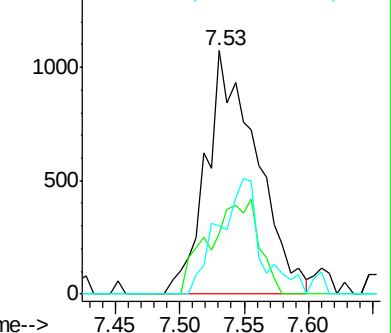
71 0.0 27.1 40.7#

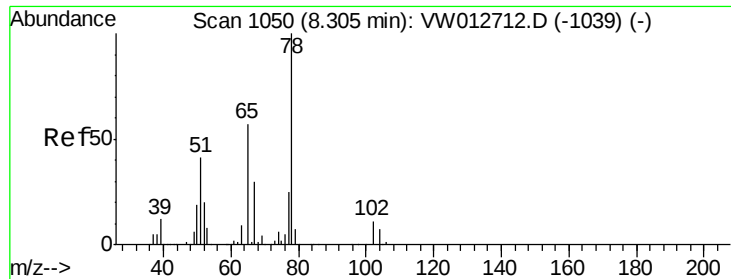


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

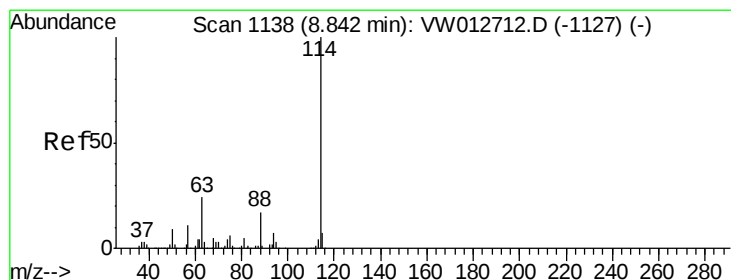
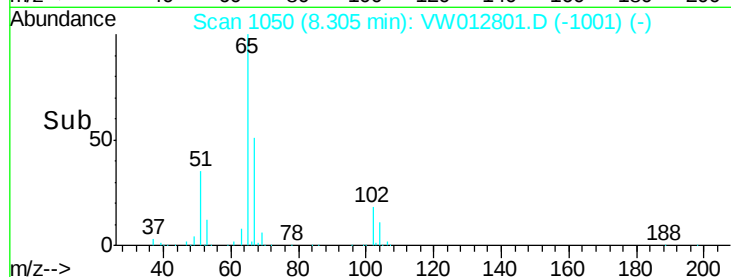
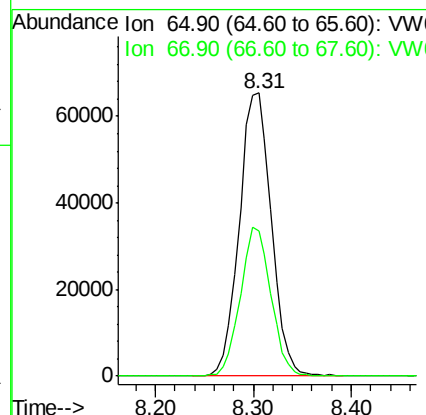
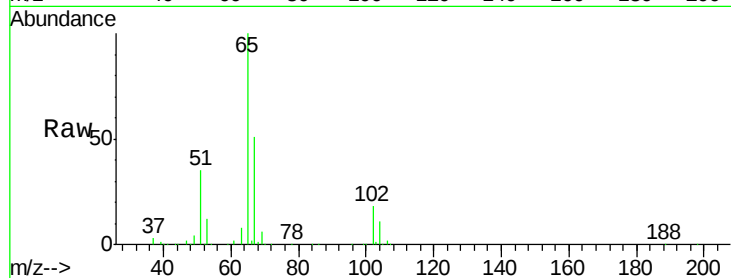




#33
 1,2-Dichloroethane-d4
 Concen: 52.675 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

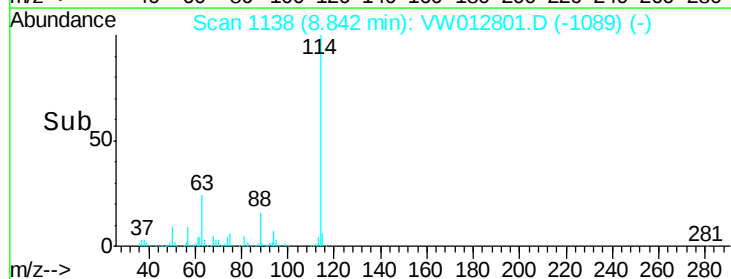
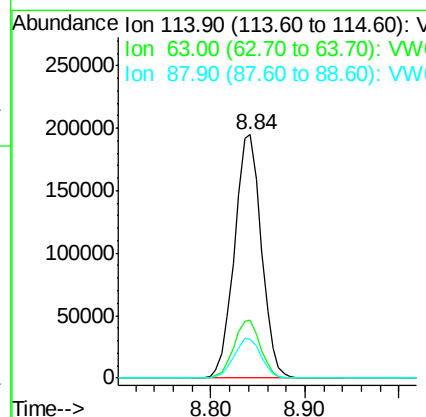
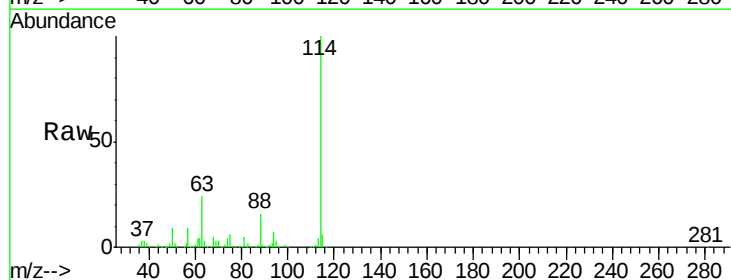
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(4)

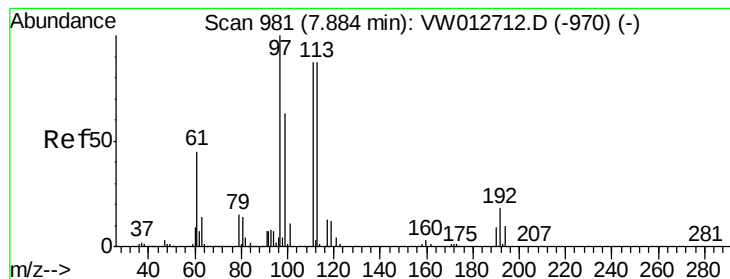
Tot Ion: 65 Resp: 148713
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

Tgt Ion: 114 Resp: 386862
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 47.2
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.112 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

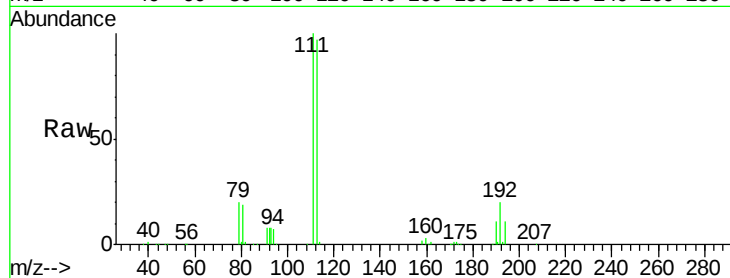
Tot Ion:113 Resp: 115258

Ion Ratio Lower Upper

113 100

111 103.3 80.2 120.4

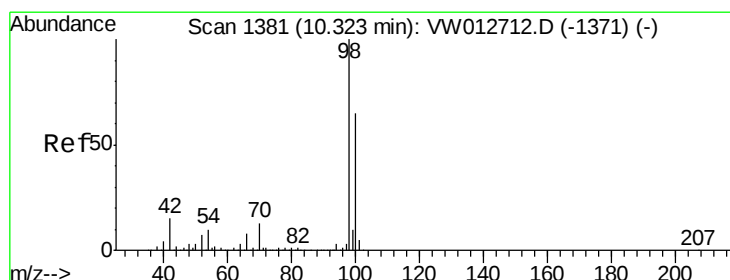
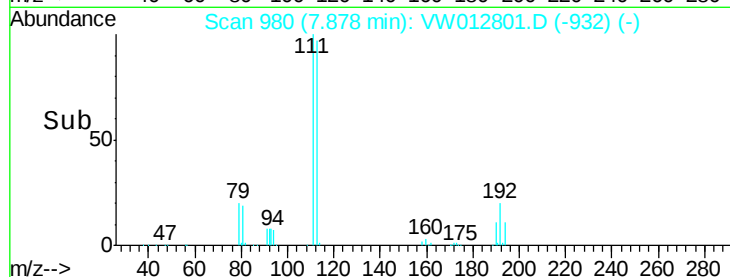
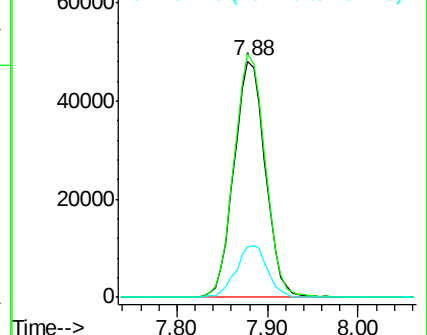
192 22.0 17.3 25.9



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: 50.892 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012801.D

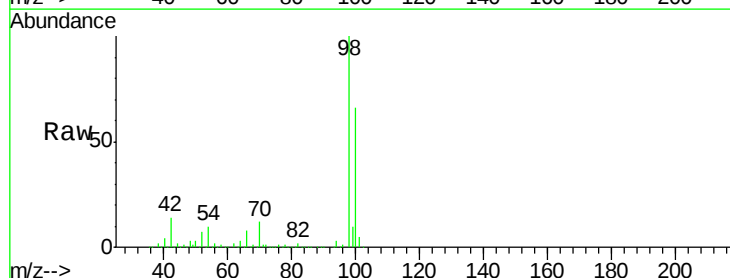
Acq: 09 Sep 2019 05:33

Tgt Ion: 98 Resp: 458579

Ion Ratio Lower Upper

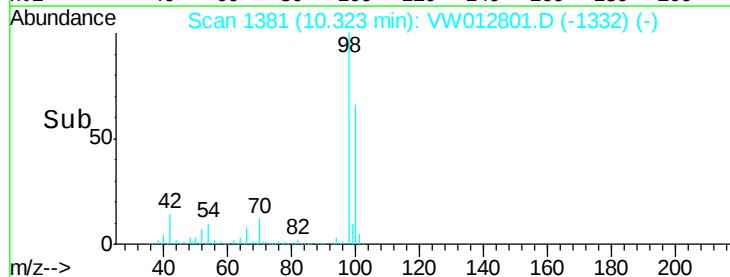
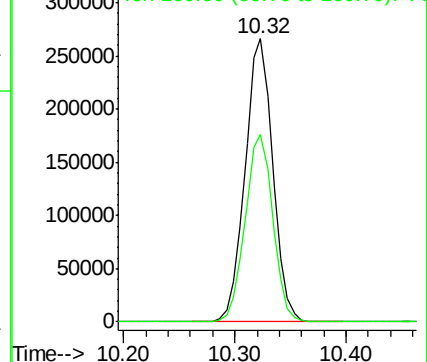
98 100

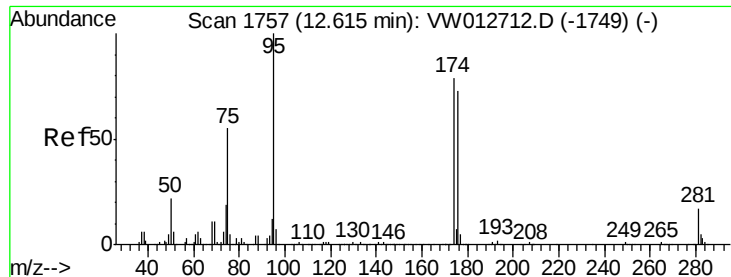
100 66.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.356 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

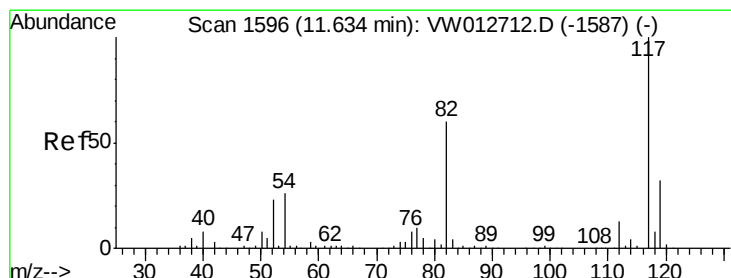
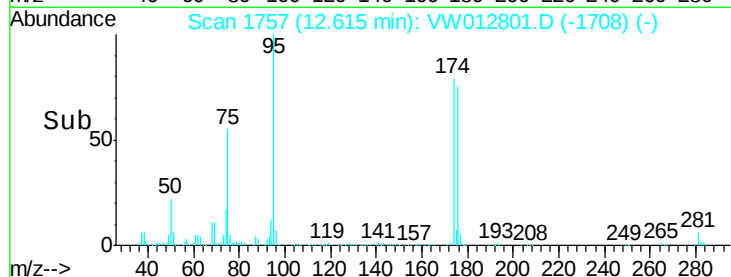
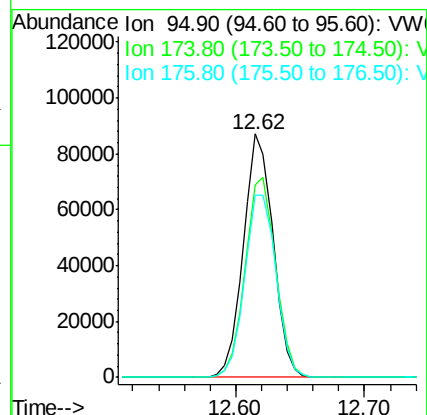
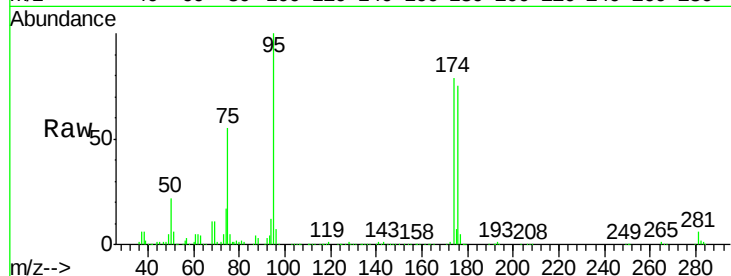
Tot Ion: 95 Resp: 138555

Ion Ratio Lower Upper

95 100

174 84.1 0.0 161.0

176 79.2 0.0 156.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

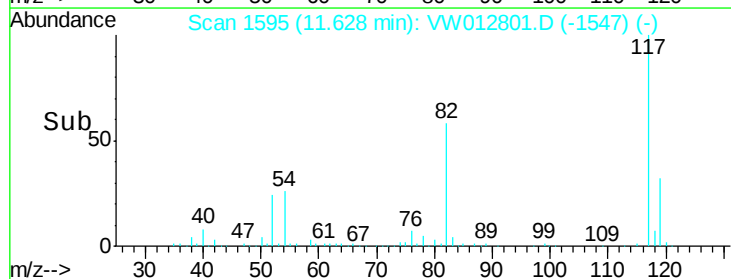
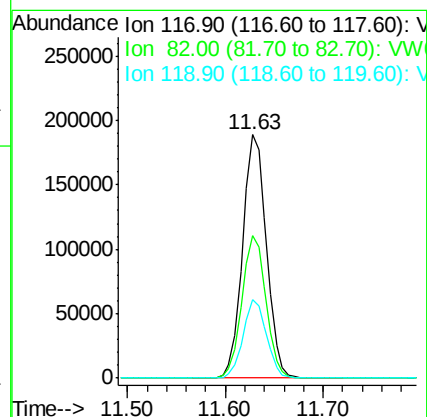
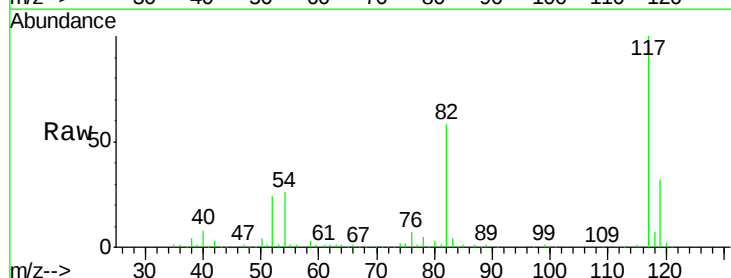
Tgt Ion: 117 Resp: 319013

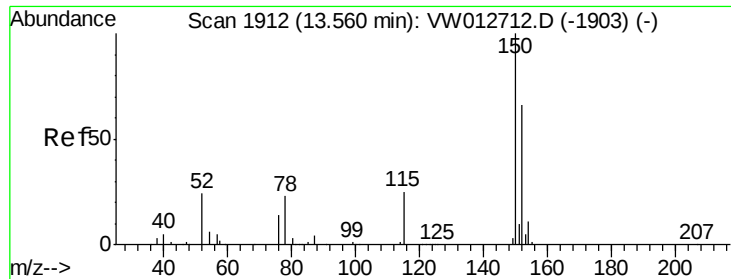
Ion Ratio Lower Upper

117 100

82 58.5 48.2 72.4

119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

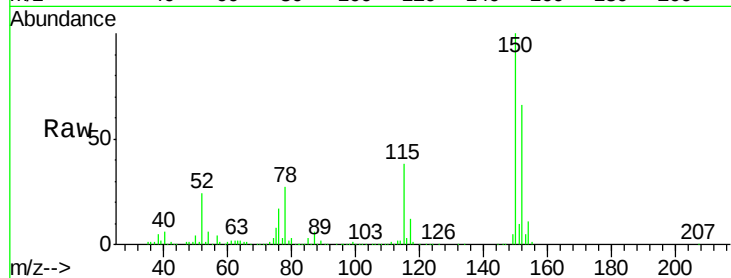
Tot Ion:152 Resp: 117706

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.1

150 155.8 0.0 349.0



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

