

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012856.D
 Acq On : 10 Sep 2019 07:05
 Operator : SY/VA
 Sample : K4644-16
 Misc : 6.07G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E4-(4)

Quant Time: Sep 10 08:25:29 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

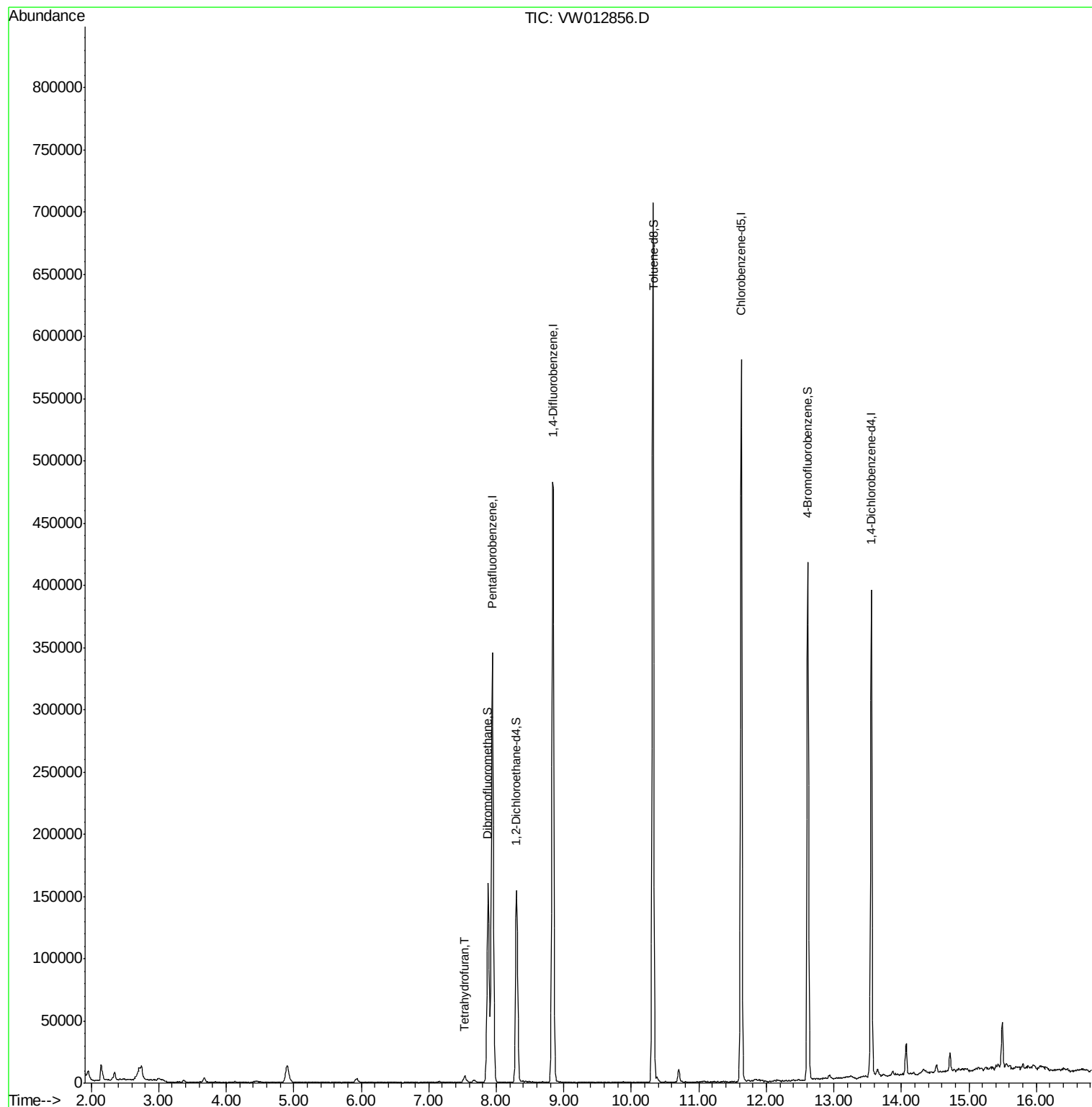
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	103173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	126266	42.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.08%	
35) Dibromofluoromethane	7.88	113	112699	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
50) Toluene-d8	10.32	98	465199	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	128519	37.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.72%	
Target Compounds						
29) Tetrahydrofuran	7.53	42	4838	7.317	ug/l	Qvalue 100

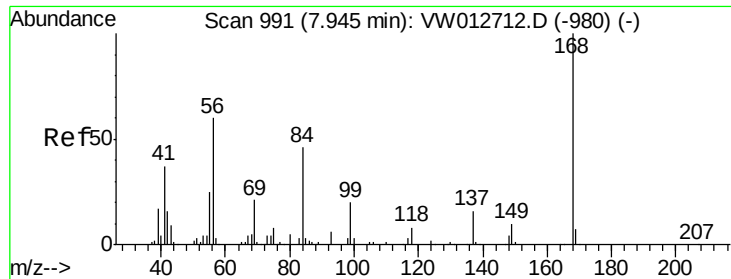
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

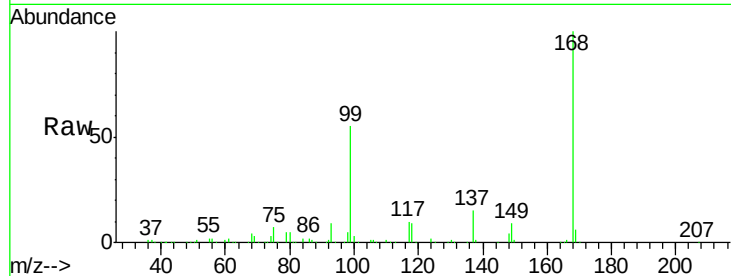
T11-E4-(4)

Tot Ion:168 Resp: 268813

Ion Ratio Lower Upper

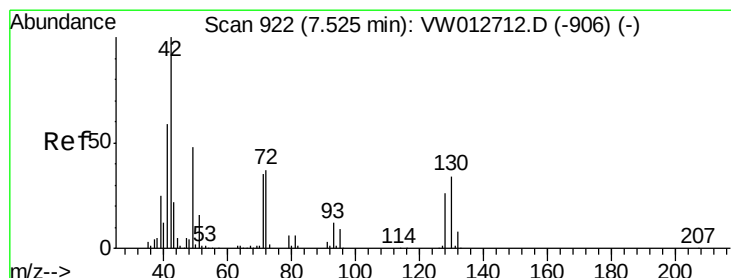
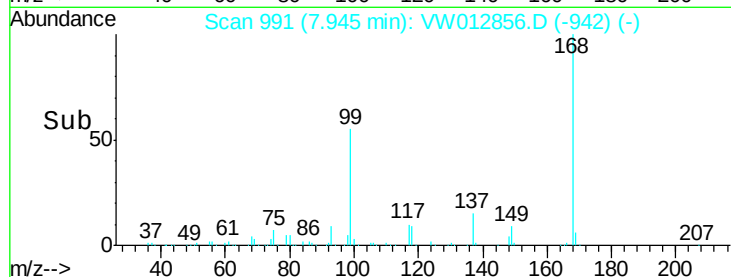
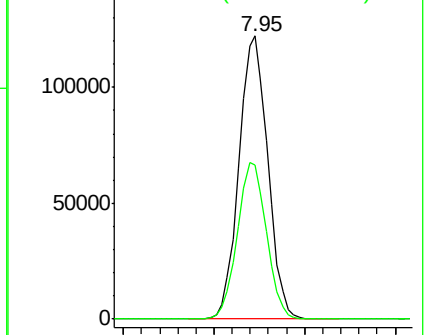
168 100

99 54.5 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: 7.317 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

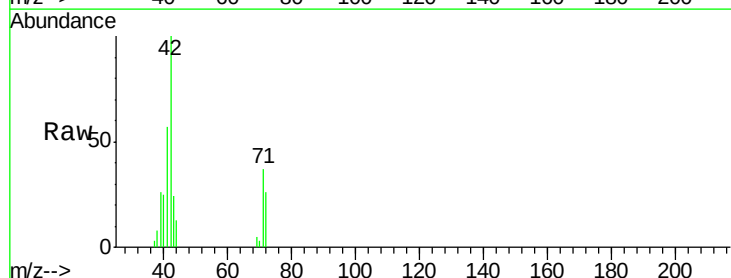
Tgt Ion: 42 Resp: 4838

Ion Ratio Lower Upper

42 100

72 35.7 28.4 42.6

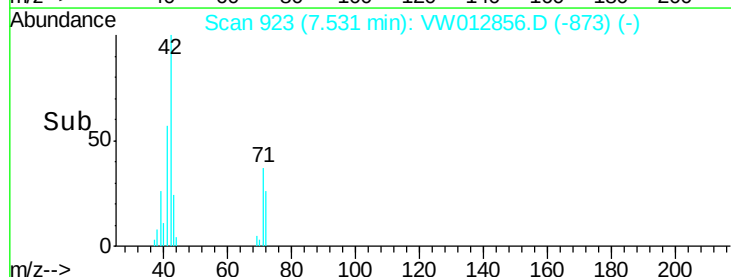
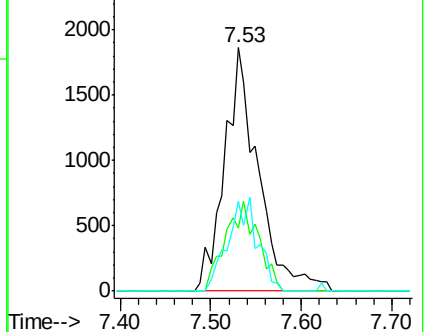
71 33.6 27.1 40.7

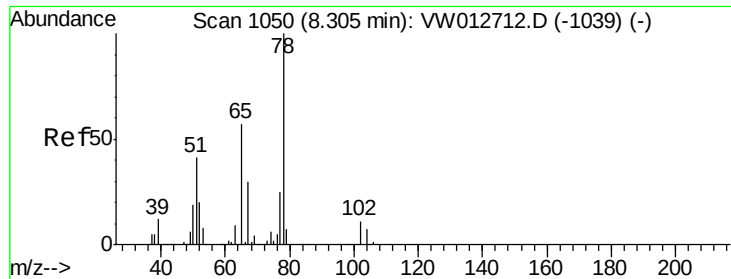


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

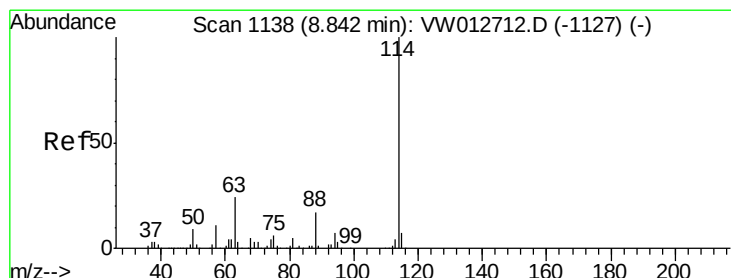
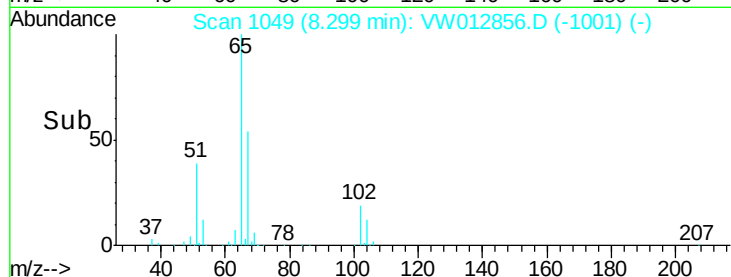
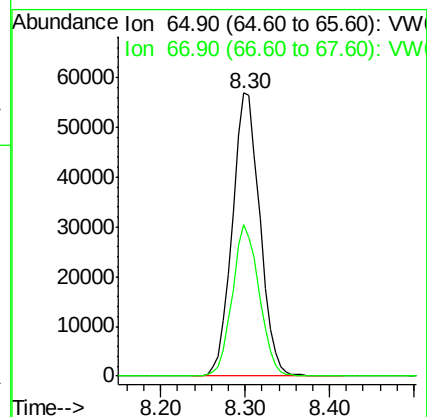
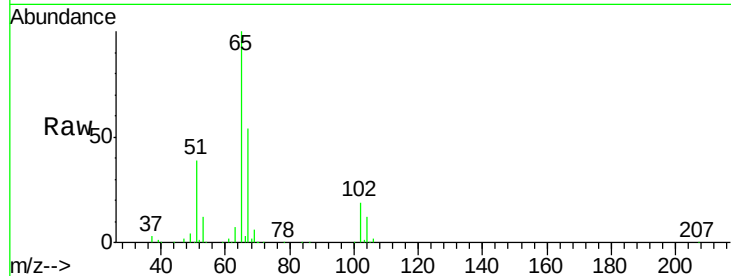




#33
 1,2-Dichloroethane-d4
 Concen: 42.039 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

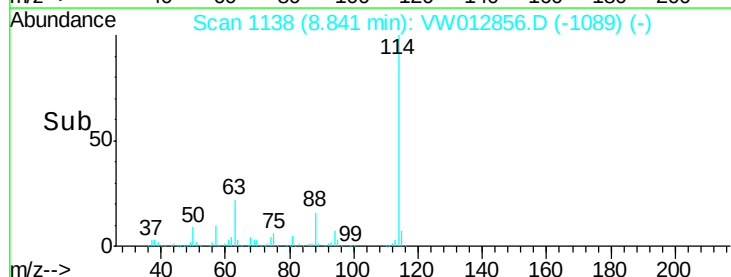
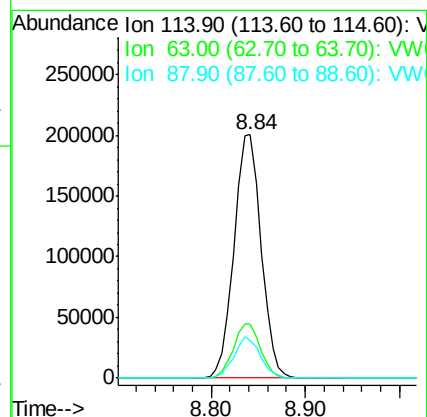
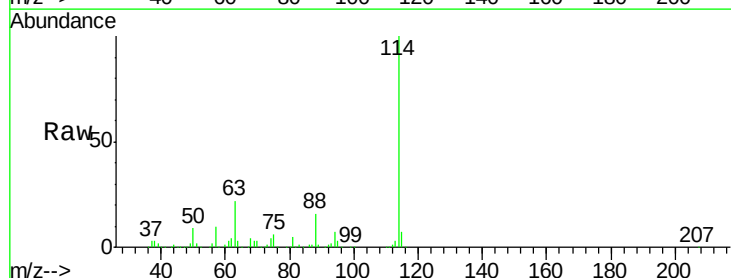
Instrument :
 MSVOA_W
 ClientSampleId :
 T11-E4-(4)

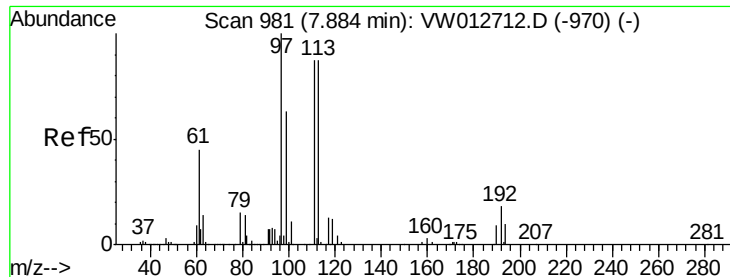
Tot Ion: 65 Resp: 126266
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012856.D
 Acq: 10 Sep 2019 07:05

Tgt Ion: 114 Resp: 401454
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 15.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.218 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)

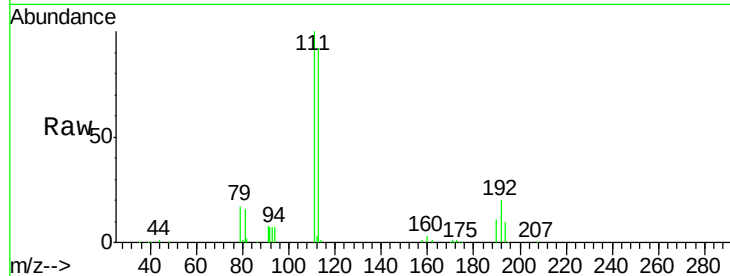
Tot Ion:113 Resp: 112699

Ion Ratio Lower Upper

113 100

111 104.0 80.2 120.4

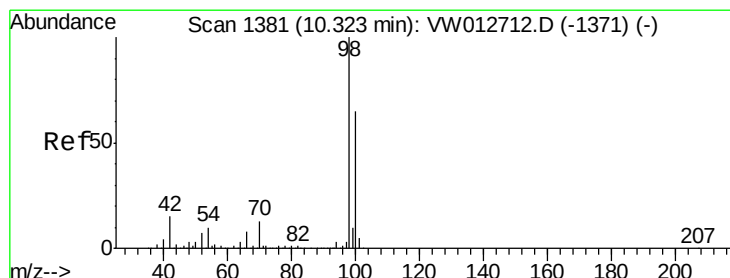
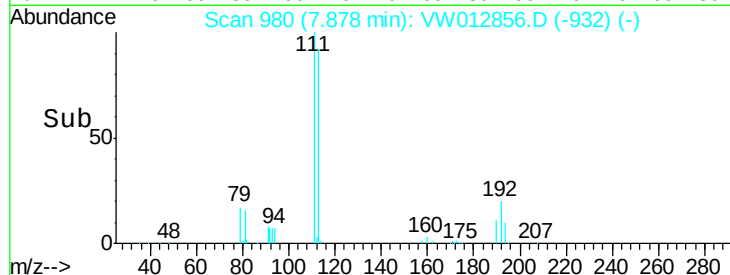
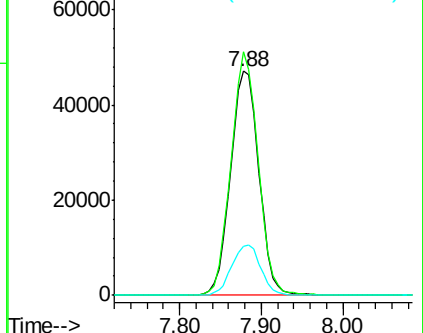
192 22.9 17.3 25.9



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: 49.750 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012856.D

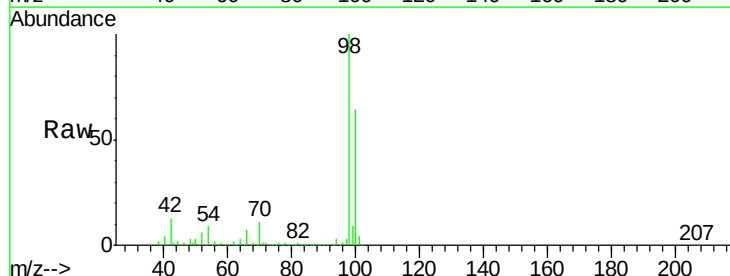
Acq: 10 Sep 2019 07:05

Tgt Ion: 98 Resp: 465199

Ion Ratio Lower Upper

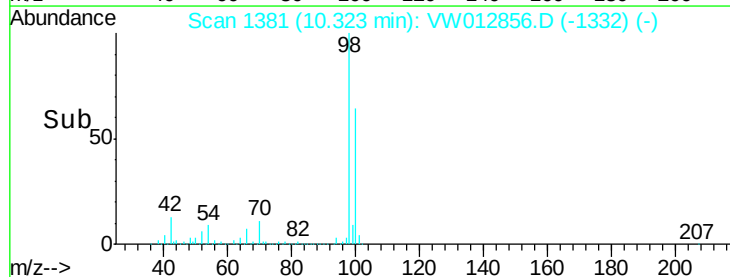
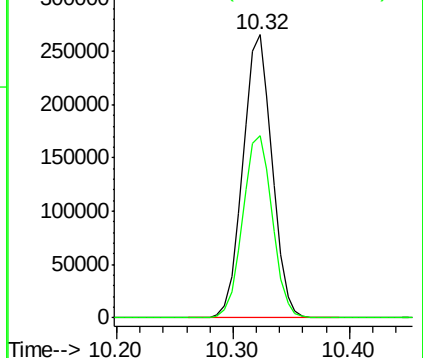
98 100

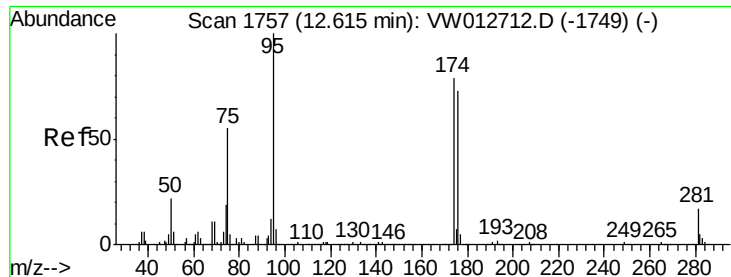
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 37.860 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)

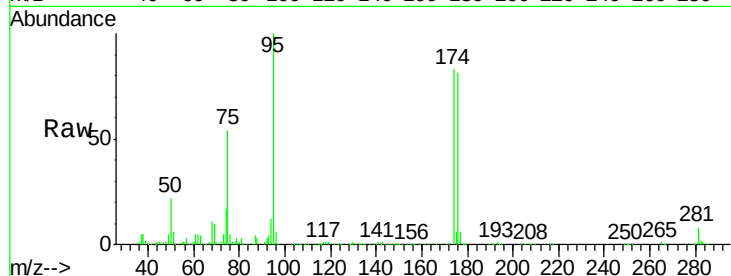
Tot Ion: 95 Resp: 128519

Ion Ratio Lower Upper

95 100

174 84.7 0.0 161.0

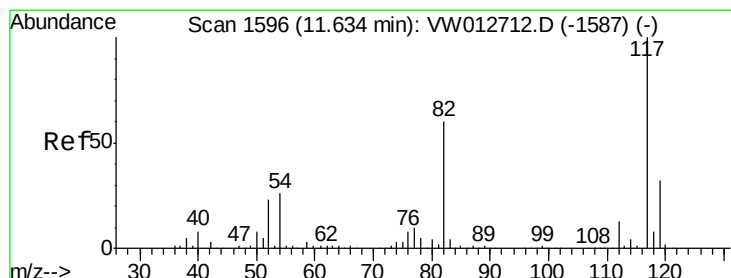
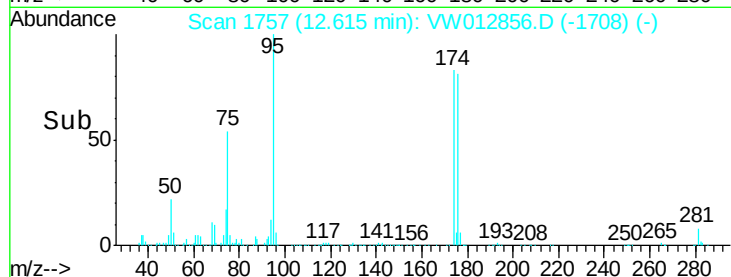
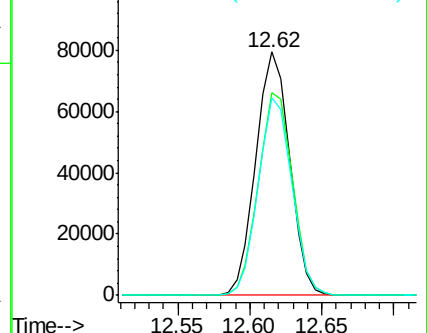
176 81.2 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

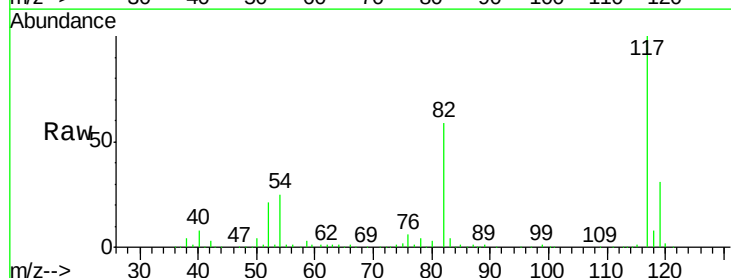
Tgt Ion: 117 Resp: 311003

Ion Ratio Lower Upper

117 100

82 58.5 48.2 72.4

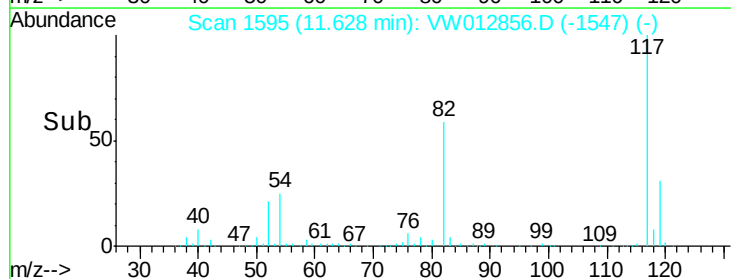
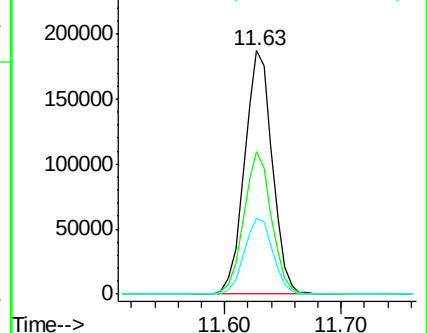
119 31.4 25.8 38.6

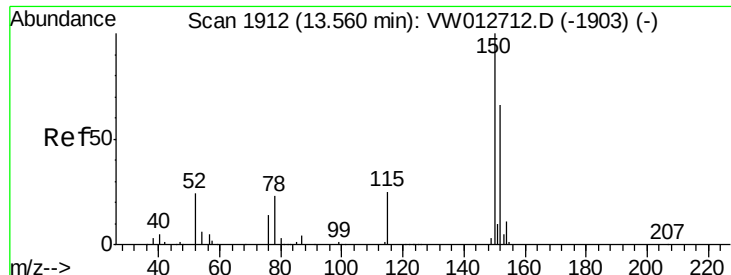


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012856.D

Acq: 10 Sep 2019 07:05

Instrument :

MSVOA_W

ClientSampleId :

T11-E4-(4)

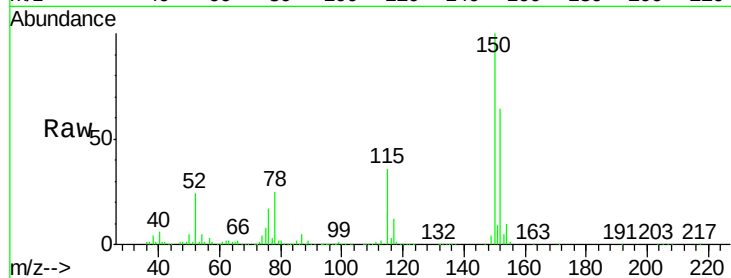
Tot Ion:152 Resp: 103173

Ion Ratio Lower Upper

152 100

115 57.4 30.0 90.1

150 155.6 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

