

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013252.D
 Acq On : 24 Sep 2019 02:29
 Operator : SY/VA
 Sample : K4962-06
 Misc : 5.73G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TH-4

Quant Time: Sep 24 08:20:36 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

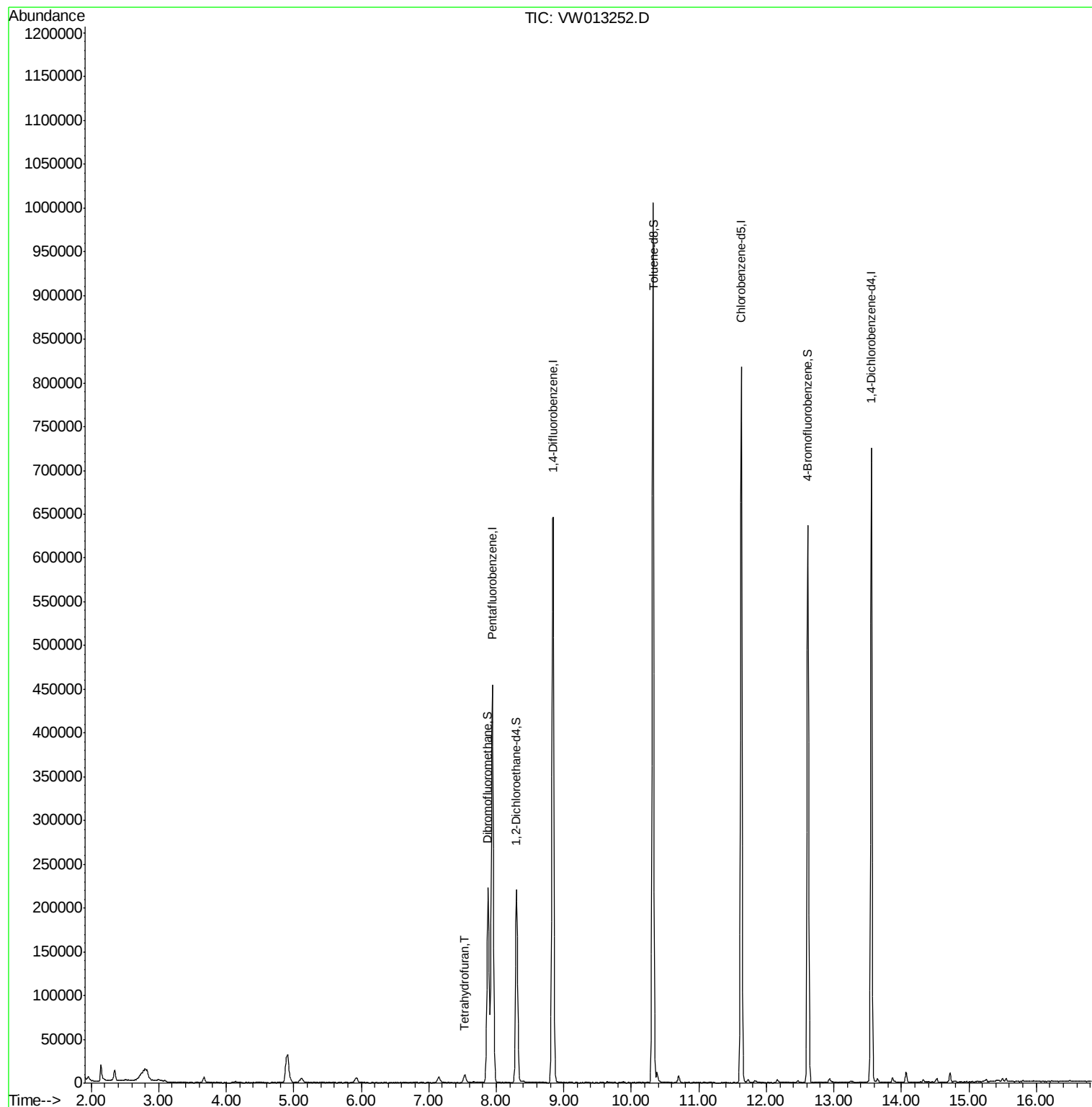
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	389623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	584741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	488244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207745	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	168721	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.88	113	164253	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	675070	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	205282	44.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.30%	
Target Compounds						
29) Tetrahydrofuran	7.53	42	7636	11.567	ug/l	Qvalue 95

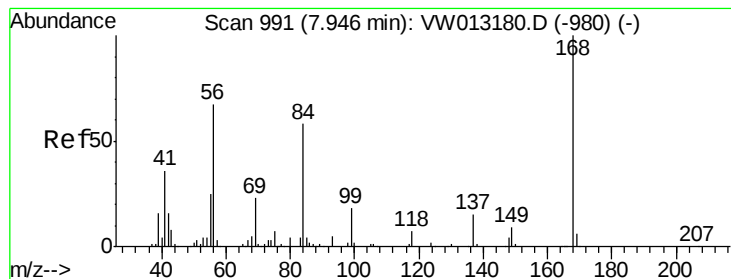
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
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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: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

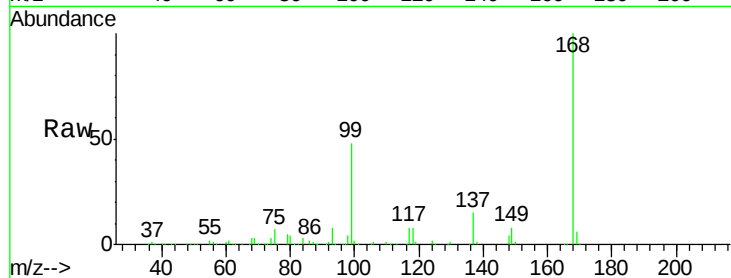
TH-4

Tot Ion:168 Resp: 389623

Ion Ratio Lower Upper

168 100

99 47.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

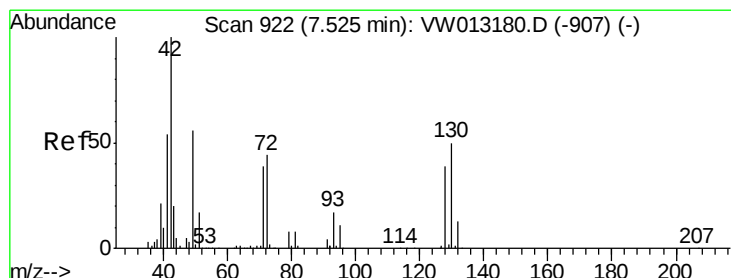
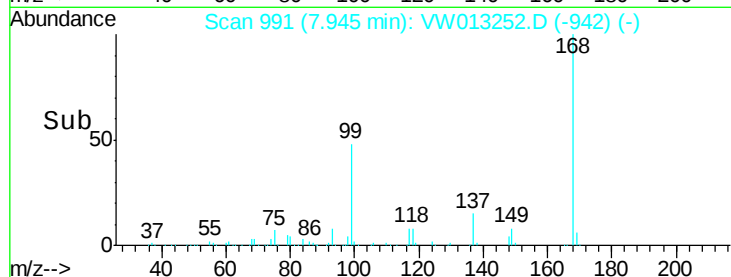
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#29

Tetrahydrofuran

Concen: 11.567 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

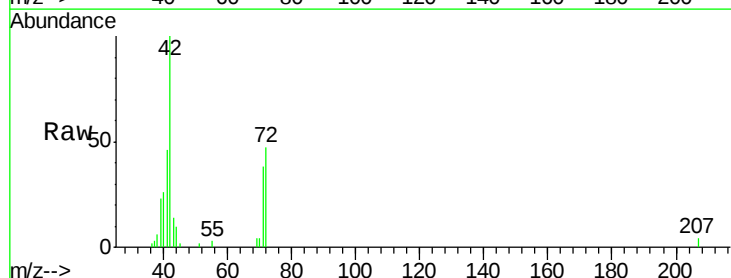
Tgt Ion: 42 Resp: 7636

Ion Ratio Lower Upper

42 100

72 46.5 33.9 50.9

71 38.2 31.9 47.9



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

7.53

4000

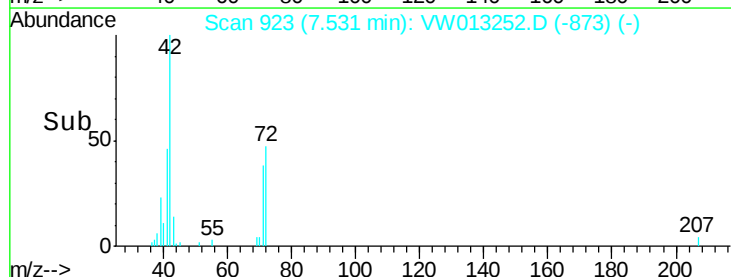
3000

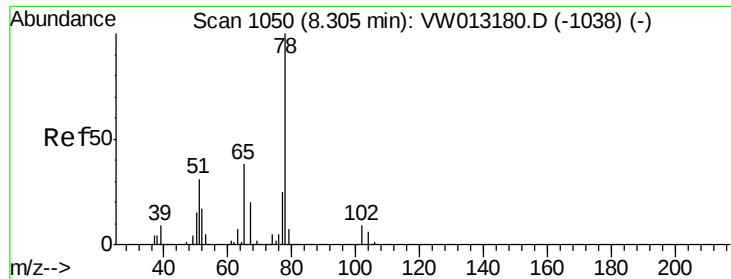
2000

1000

0

Time--> 7.45 7.50 7.55 7.60





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

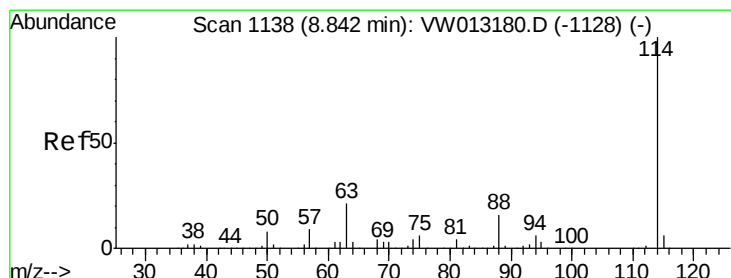
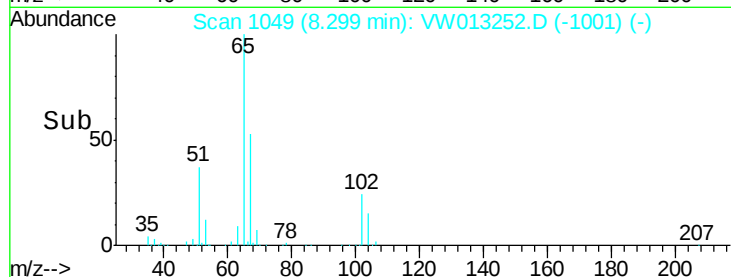
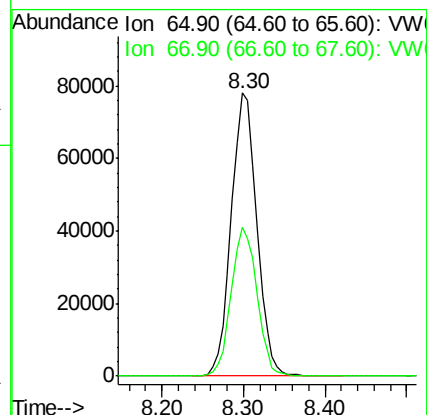
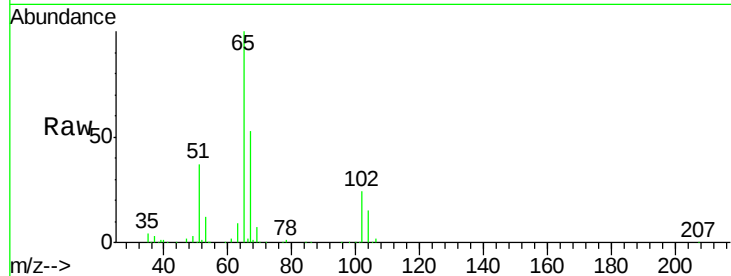
TH-4

Tot Ion: 65 Resp: 168721

Ion Ratio Lower Upper

65 100

67 52.9 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: VW013252.D

Acq: 24 Sep 2019 02:29

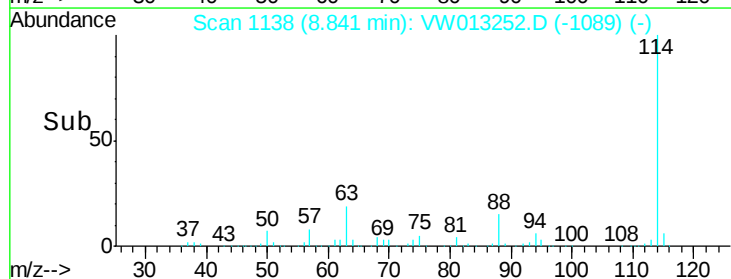
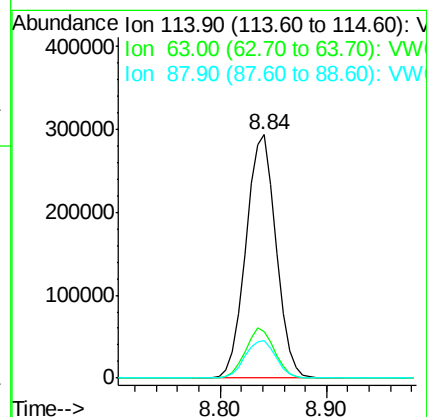
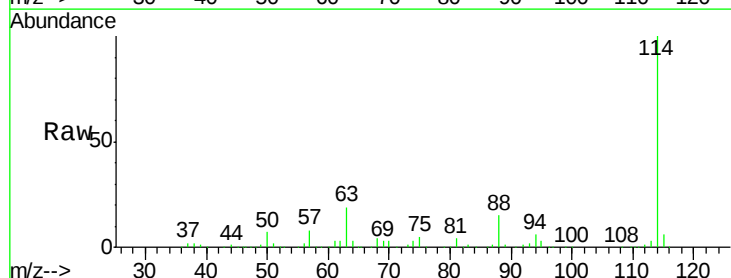
Tgt Ion: 114 Resp: 584741

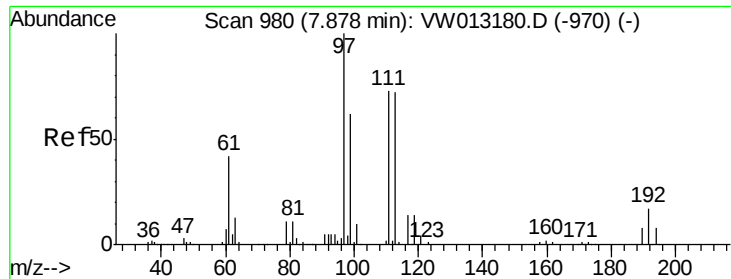
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

88 15.3 0.0 32.0

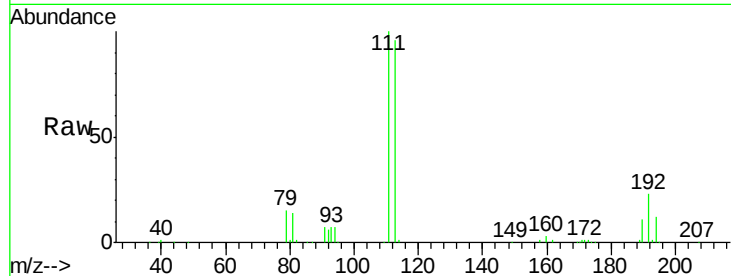




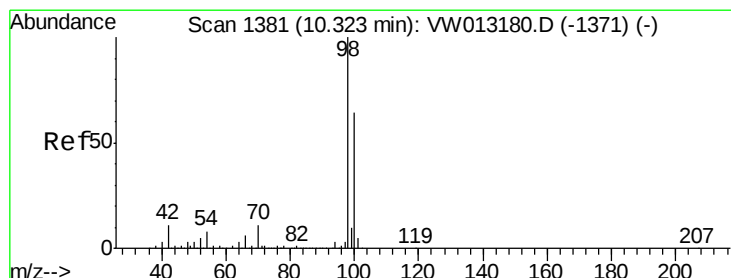
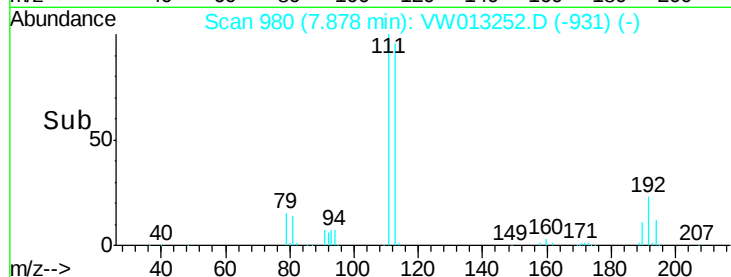
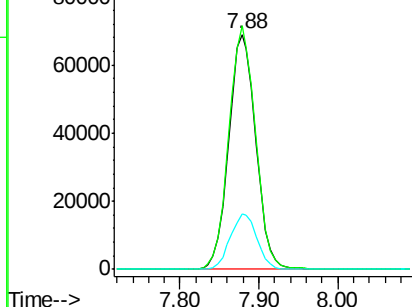
#35
 Dibromofluoromethane
 Concen: 51.072 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013252.D
 Acq: 24 Sep 2019 02:29

Instrument :
 MSVOA_W
 ClientSampleId :
 TH-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	23.4	19.1	28.7

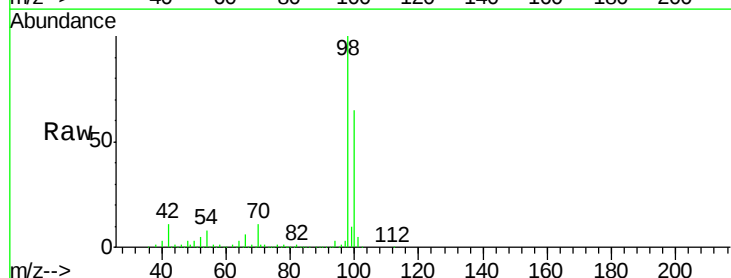


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

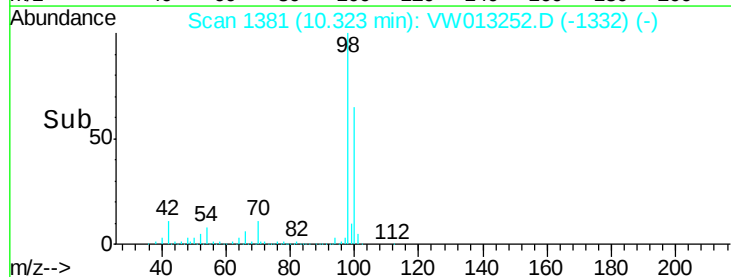
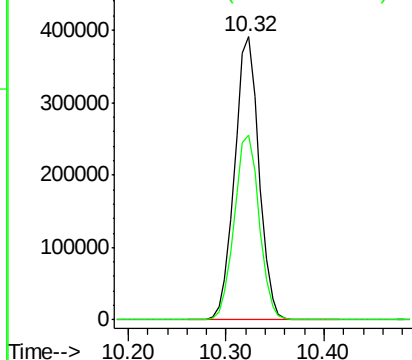


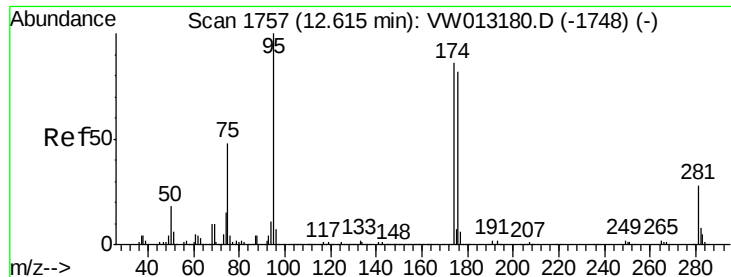
#50
 Toluene-d8
 Concen: 50.155 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013252.D
 Acq: 24 Sep 2019 02:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	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: 44.649 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

TH-4

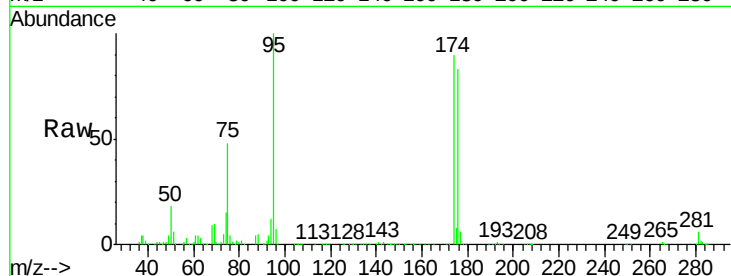
Tot Ion: 95 Resp: 205282

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.4

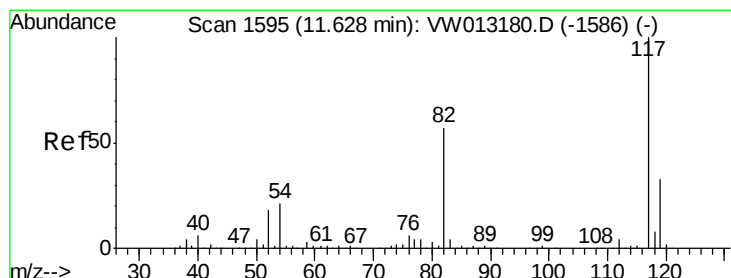
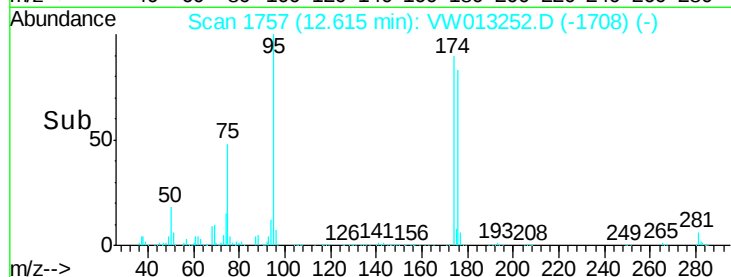
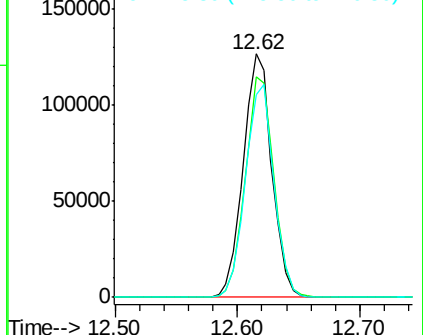
176 87.7 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013252.D

Acq: 24 Sep 2019 02:29

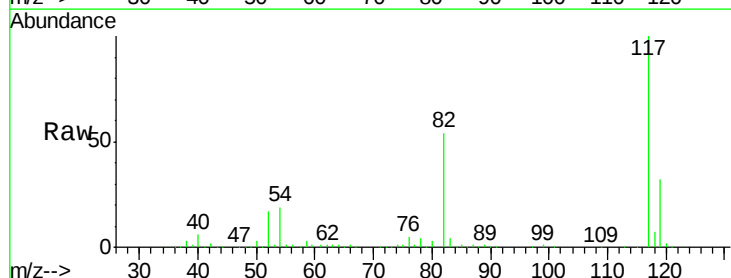
Tgt Ion: 117 Resp: 488244

Ion Ratio Lower Upper

117 100

82 54.2 45.9 68.9

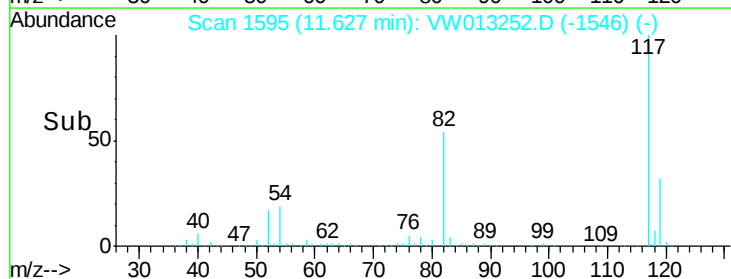
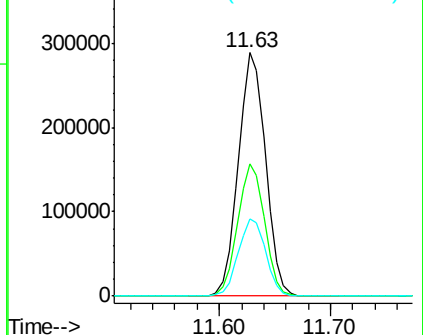
119 31.8 26.2 39.2

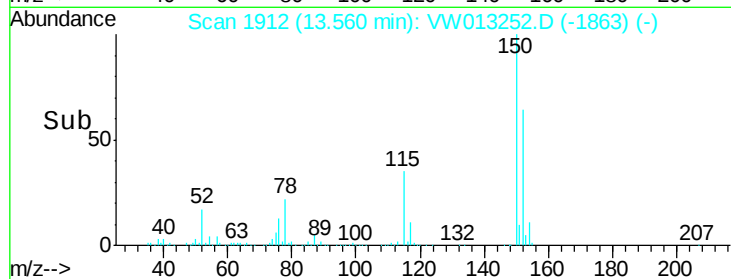
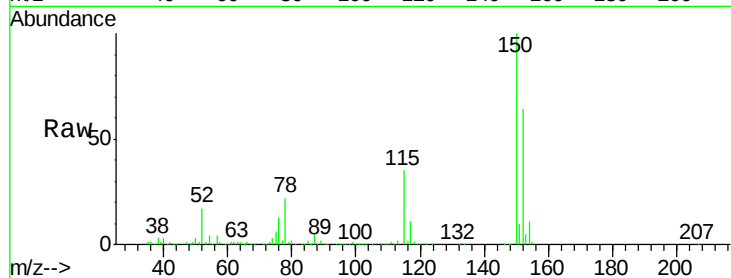
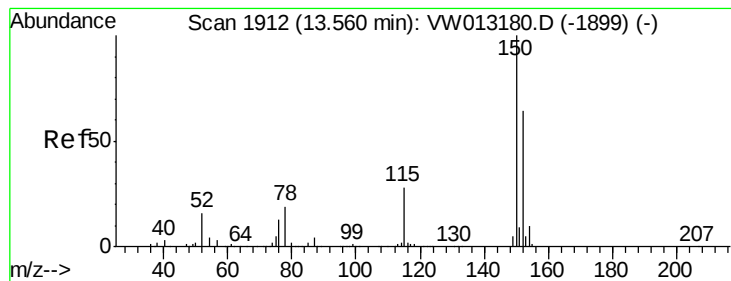


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW013252.D

Acq: 24 Sep 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

TH-4

Tot Ion:152 Resp: 207745

Ion Ratio Lower Upper

152 100

115 55.0 27.3 81.9

150 157.5 0.0 349.0

