

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007635.D
 Acq On : 17 Dec 2018 16:50
 Operator : SY/AP
 Sample : J6378-17RE
 Misc : 4.68G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0612-01RE

Quant Time: Dec 18 07:43:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

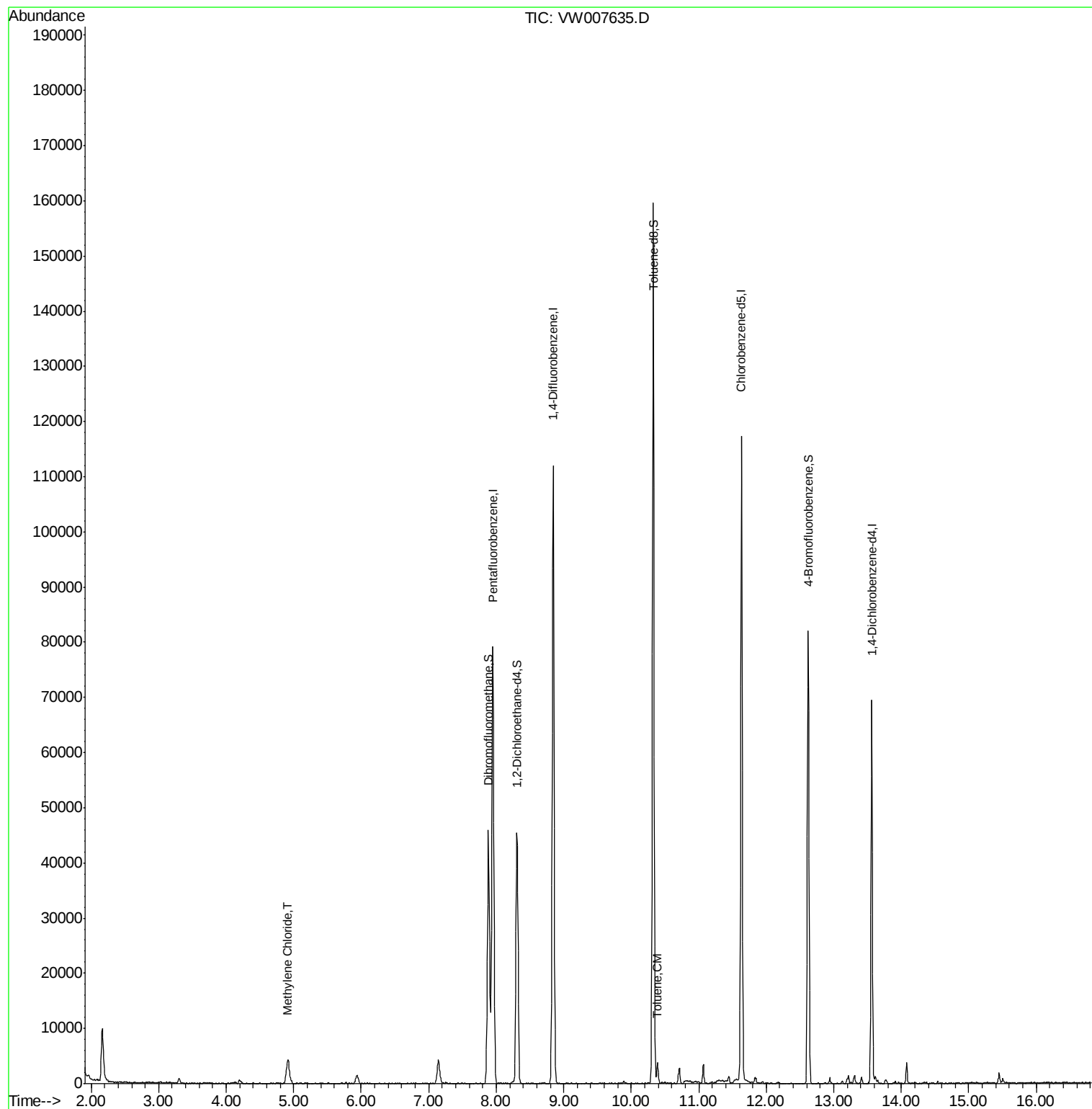
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	57950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	94086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	66421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	37273	57.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.96%	
35) Dibromofluoromethane	7.88	113	33429	58.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.38%	
50) Toluene-d8	10.32	98	105891	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.62	95	26249	33.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.86%	
Target Compounds						
20) Methylene Chloride	4.91	84	3739	2.355	ug/l #	87
52) Toluene	10.39	92	1679	1.089	ug/l	92

(#) = 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# 992

Delta R.T. 0.00 min

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MSVOA_W

ClientSampleId :

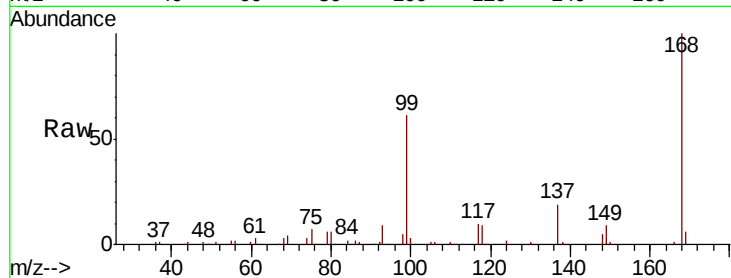
P001-SS001-0612-01RE

Tot Ion:168 Resp: 57950

Ion Ratio Lower Upper

168 100

99 60.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

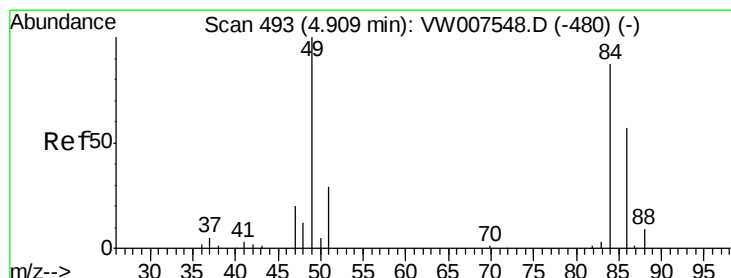
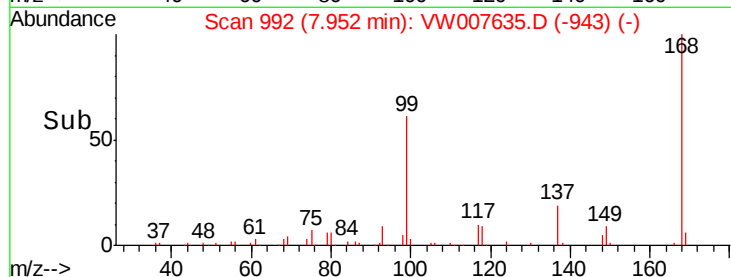
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#20

Methylene Chloride

Concen: 2.355 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007635.D

Acq: 17 Dec 2018 16:50

Tgt Ion: 84 Resp: 3739

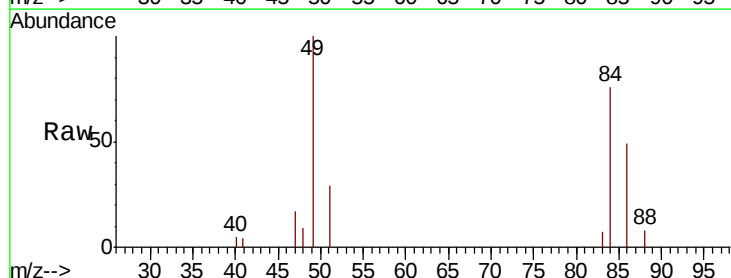
Ion Ratio Lower Upper

84 100

49 131.9 87.1 130.7#

51 38.7 28.2 42.2

86 65.1 50.8 76.2



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

2000

1500

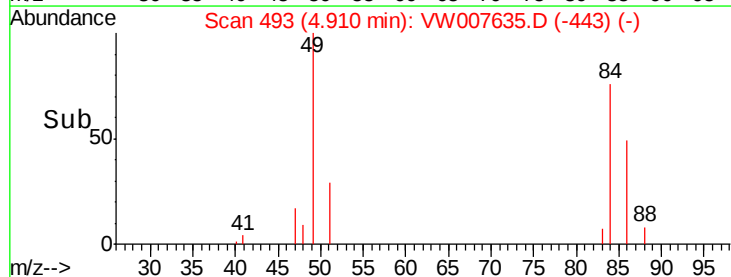
1000

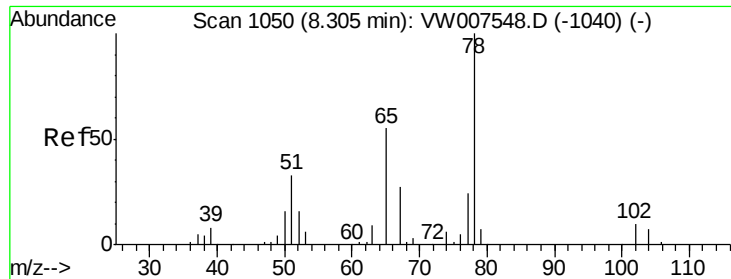
500

0

Time-->

4.80 4.85 4.90 4.95 5.00

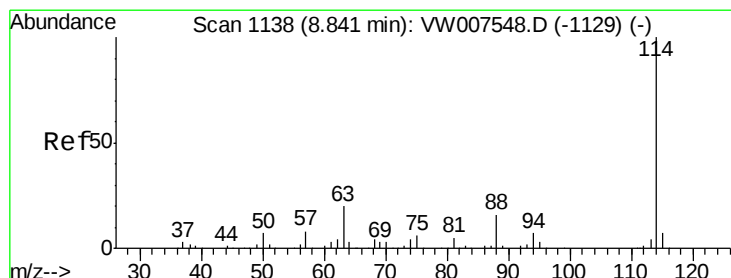
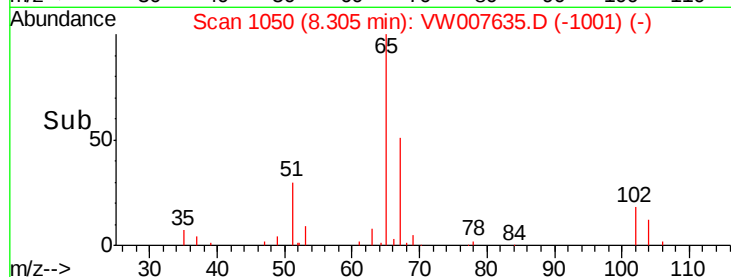
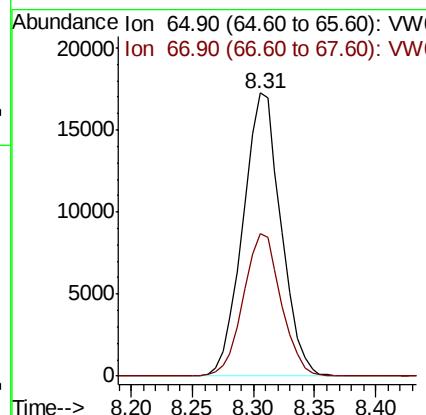
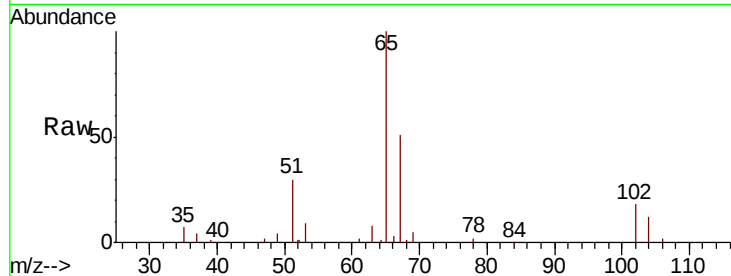




#33
 1,2-Dichloroethane-d4
 Concen: 57.976 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007635.D
 Acq: 17 Dec 2018 16:50

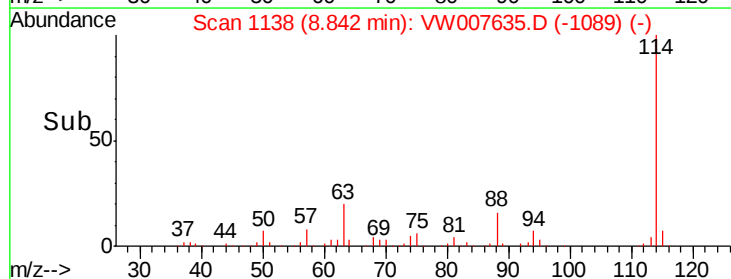
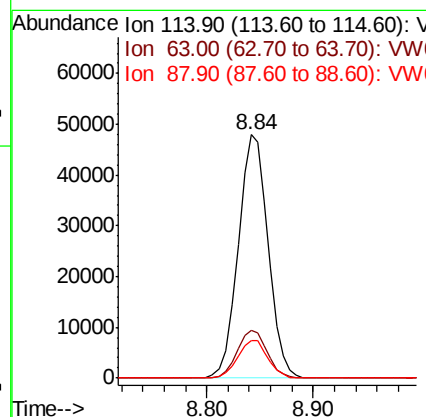
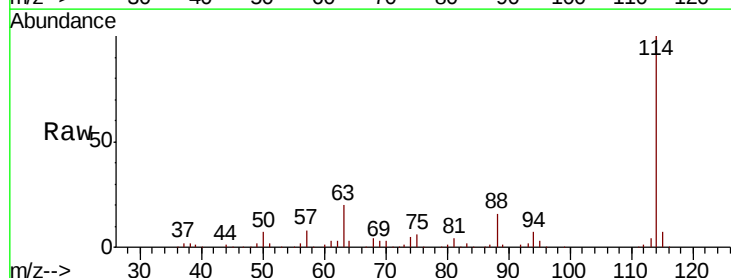
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0612-01RE

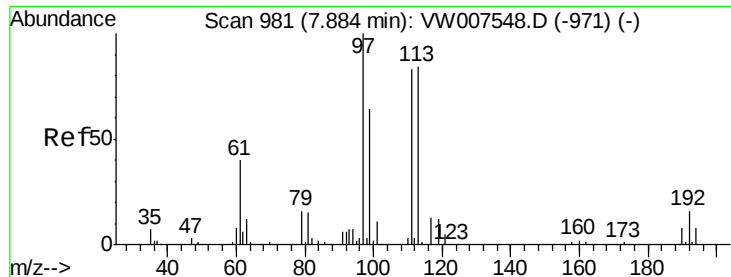
Tot Ion: 65 Resp: 37273
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007635.D
 Acq: 17 Dec 2018 16:50

Tgt Ion: 114 Resp: 94086
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 58.695 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007635.D

Acq: 17 Dec 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0612-01RE

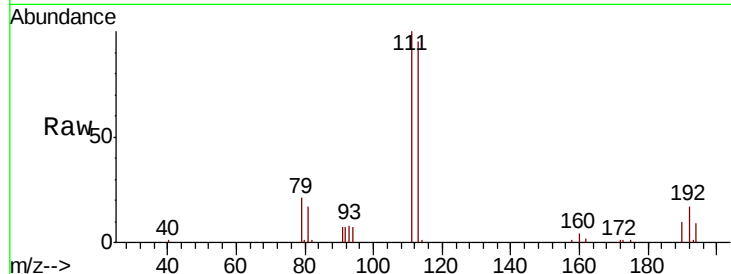
Tot Ion:113 Resp: 33429

Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

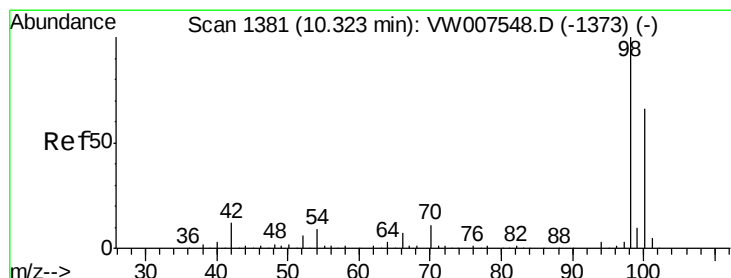
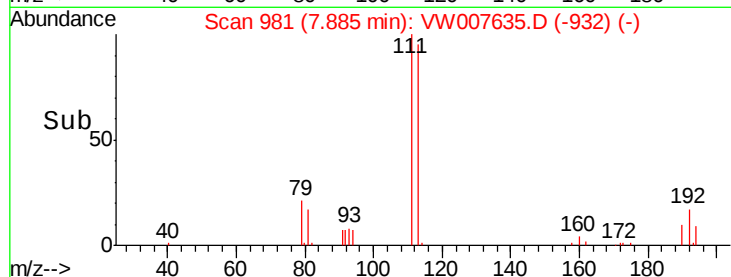
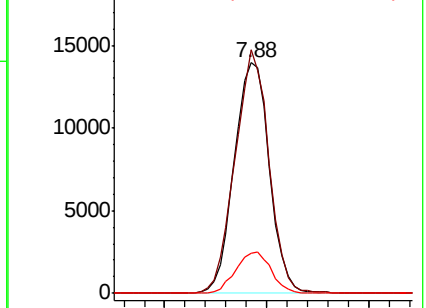
192 17.9 14.6 21.8



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: 49.587 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007635.D

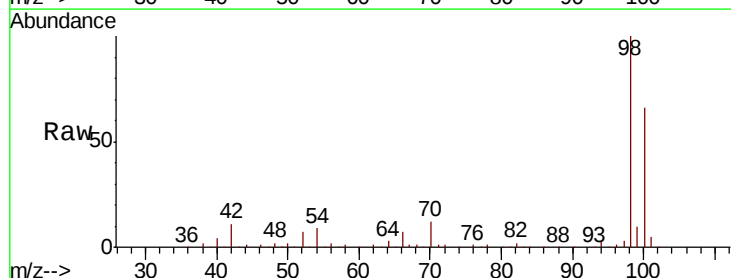
Acq: 17 Dec 2018 16:50

Tgt Ion: 98 Resp: 105891

Ion Ratio Lower Upper

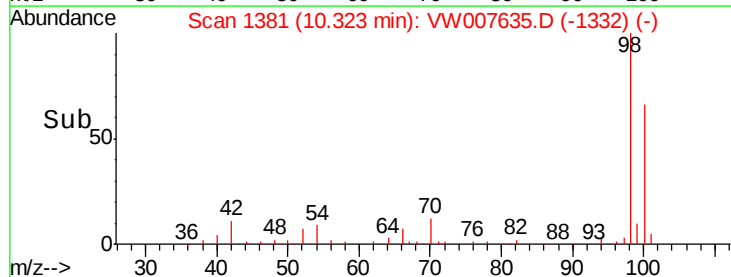
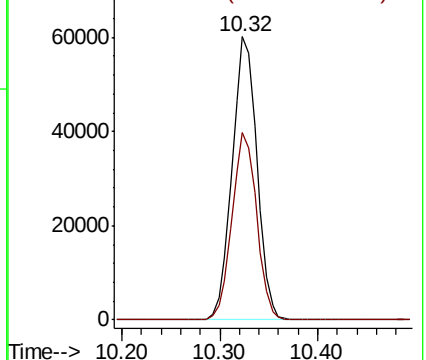
98 100

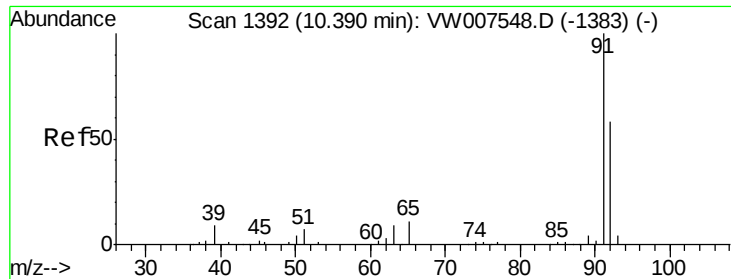
100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.089 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007635.D

Acq: 17 Dec 2018 16:50

Instrument :

MSVOA_W

ClientSampleId :

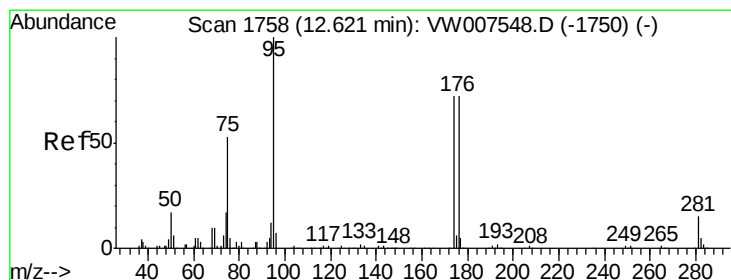
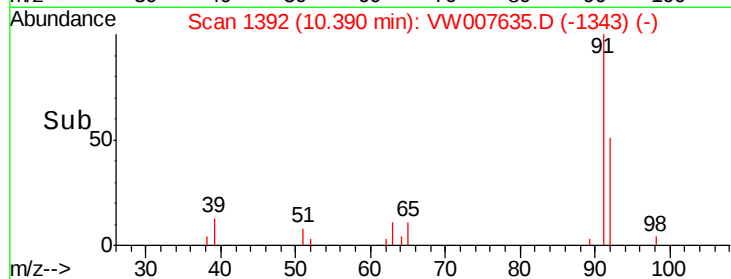
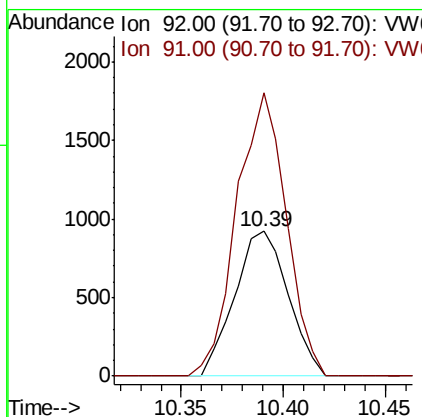
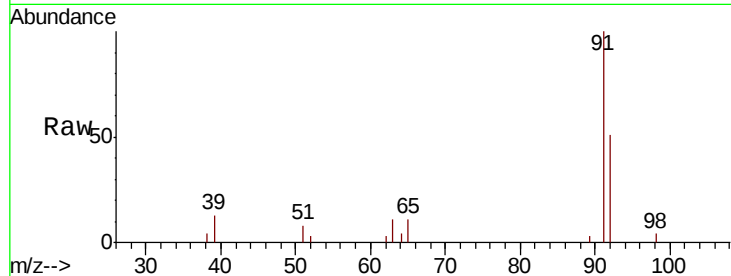
P001-SS001-0612-01RE

Tot Ion: 92 Resp: 1679

Ion Ratio Lower Upper

92 100

91 181.2 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 33.432 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007635.D

Acq: 17 Dec 2018 16:50

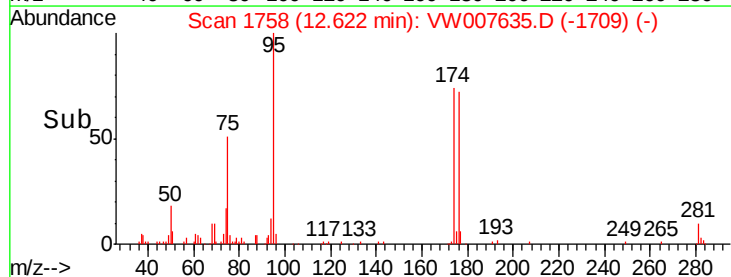
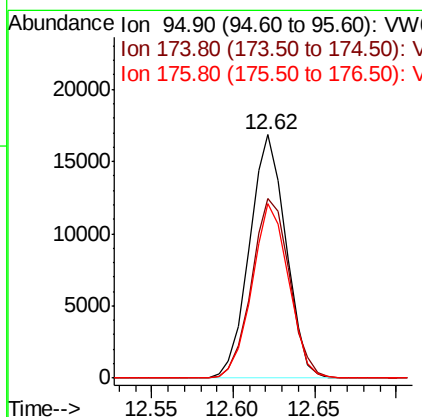
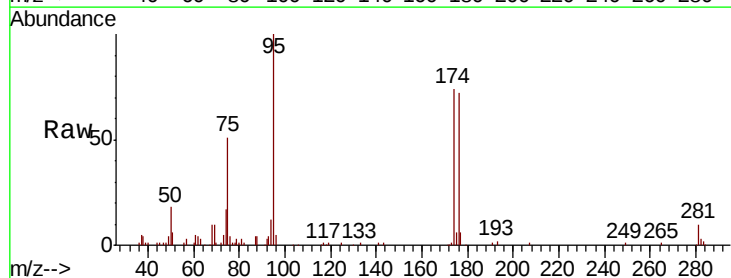
Tgt Ion: 95 Resp: 26249

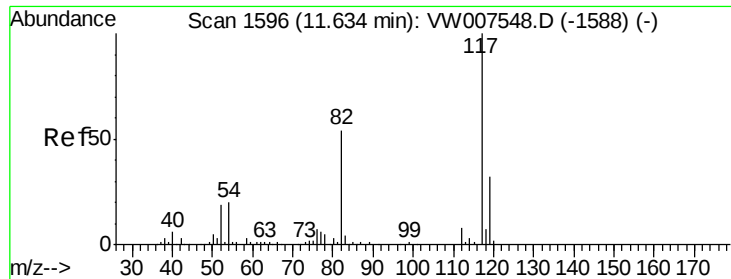
Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.2

176 72.2 0.0 138.8

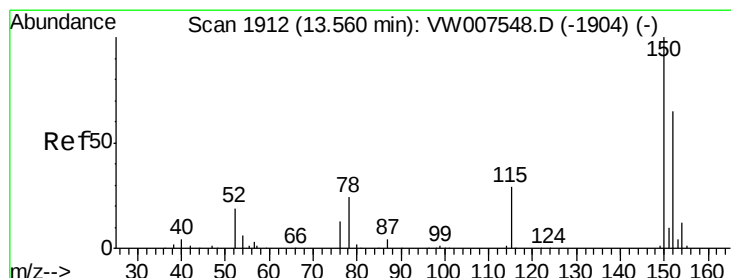
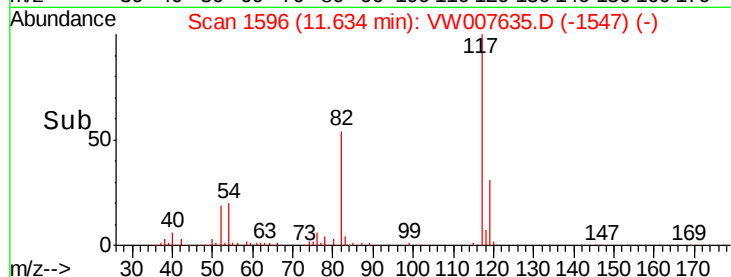
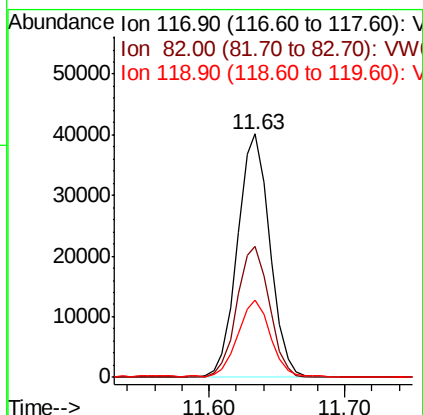
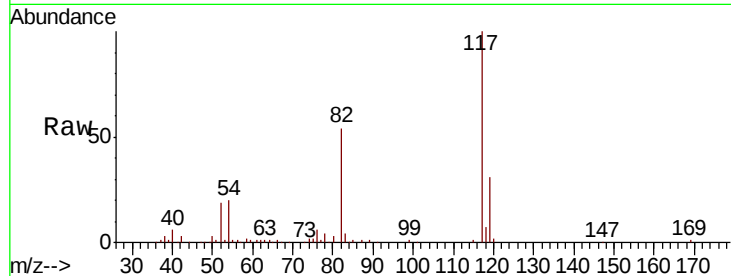




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007635.D
Acq: 17 Dec 2018 16:50

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0612-01RE

Tot Ion:117 Resp: 66421
Ion Ratio Lower Upper
117 100
82 54.0 42.3 63.5
119 31.1 23.0 34.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007635.D
Acq: 17 Dec 2018 16:50

Tgt Ion:152 Resp: 18165
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.2
150 156.0 0.0 358.4

