

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013189.D
 Acq On : 20 Sep 2019 18:26
 Operator : SY/VA
 Sample : K4669-04RE
 Misc : 5.45G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-091719RE

Quant Time: Sep 21 05:14:38 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

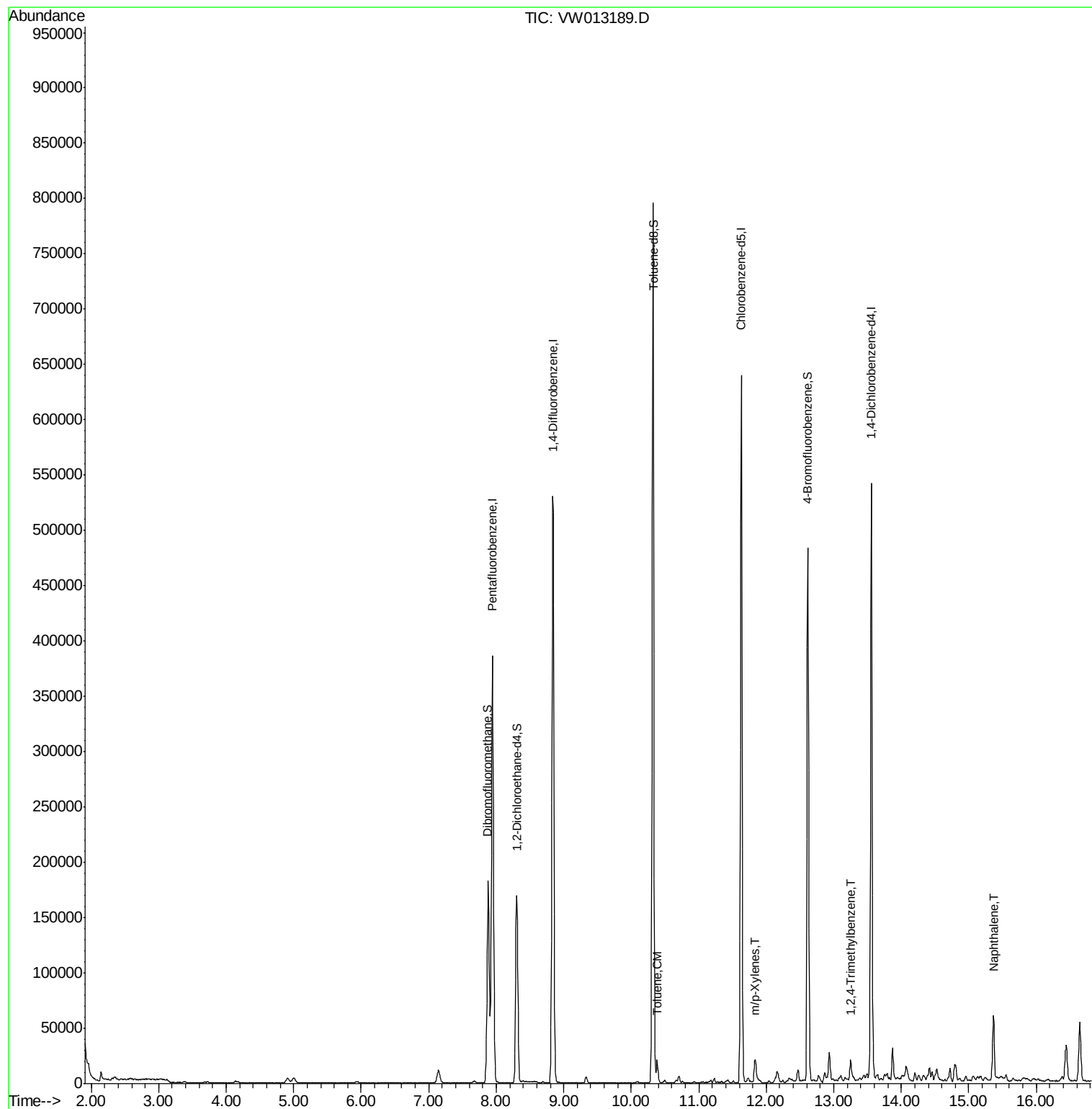
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	313795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	376447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148144	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136481	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
35) Dibromofluoromethane	7.88	113	132624	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
50) Toluene-d8	10.32	98	533128	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	157947	42.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.78%	
Target Compounds						
52) Toluene	10.38	92	8407	1.037	ug/l	90
68) m/p-Xylenes	11.83	106	5985	1.103	ug/l	91
84) 1,2,4-Trimethylbenzene	13.25	105	10451	1.142	ug/l	96
95) Naphthalene	15.36	128	52477	10.370	ug/l	99

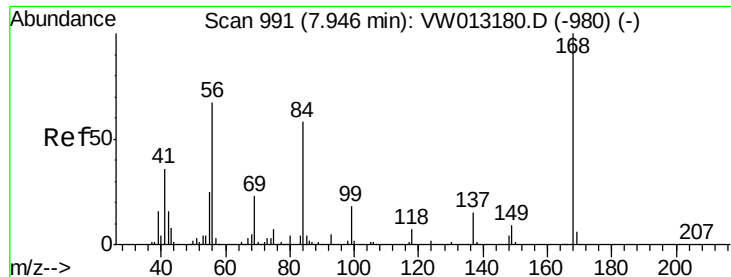
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013189.D

Acq: 20 Sep 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

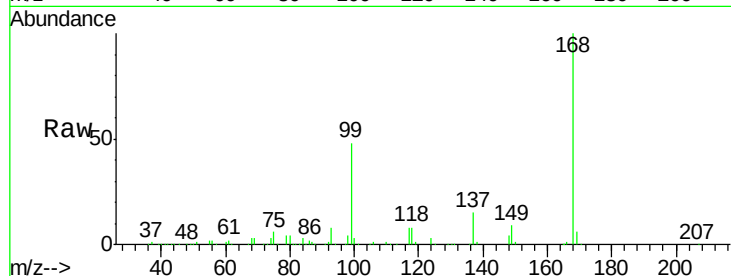
TR-04-091719RE

Tot Ion:168 Resp: 313795

Ion Ratio Lower Upper

168 100

99 47.8 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

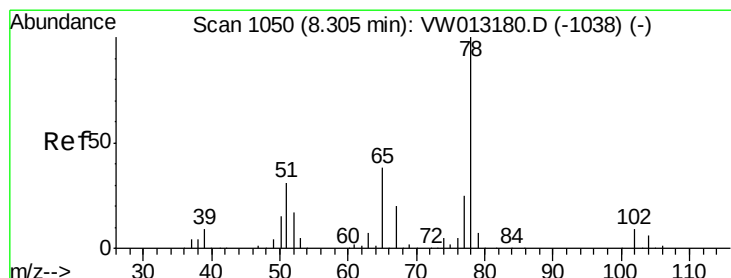
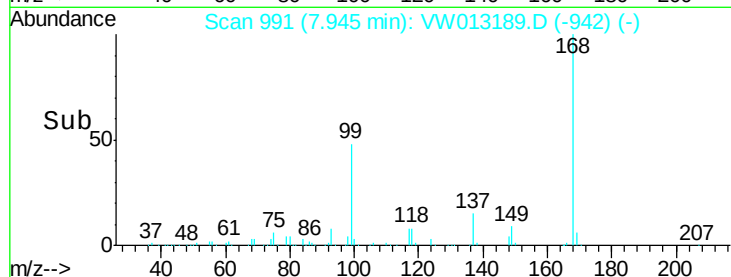
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#33

1,2-Dichloroethane-d4

Concen: 53.292 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013189.D

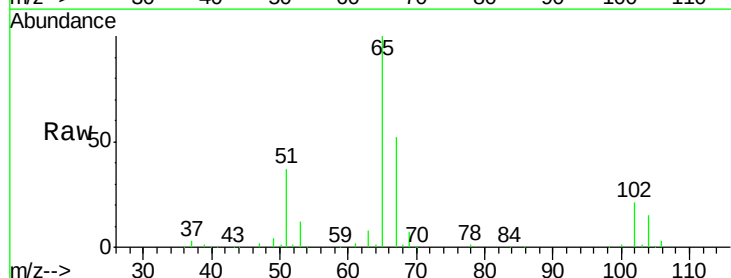
Acq: 20 Sep 2019 18:26

Tgt Ion: 65 Resp: 136481

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

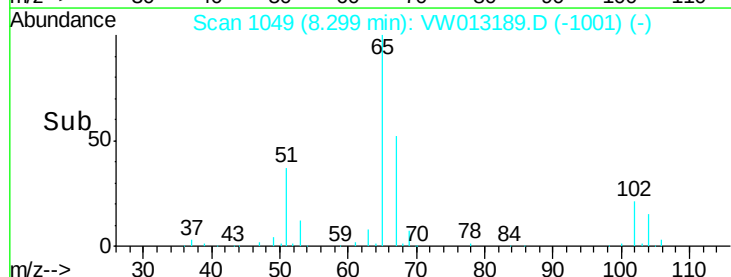
60000

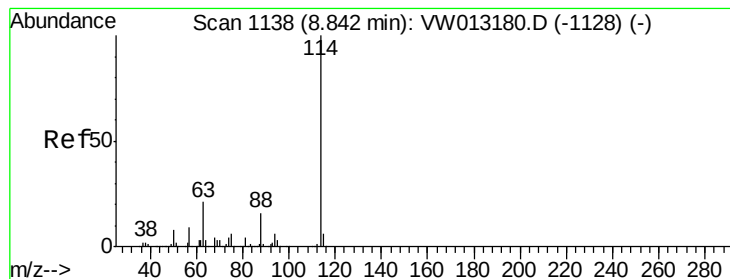
40000

20000

0

Time--> 8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013189.D

Acq: 20 Sep 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

TR-04-091719RE

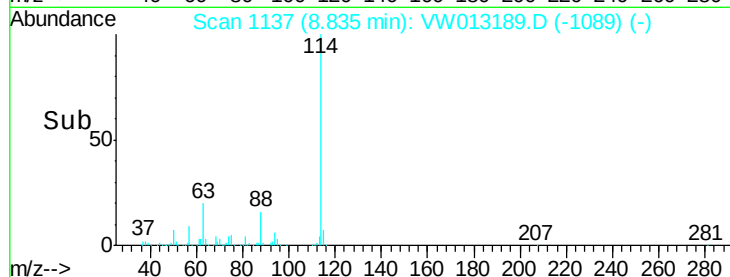
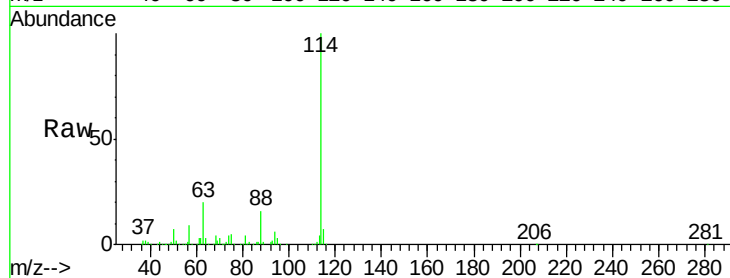
Tot Ion:114 Resp: 468346

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

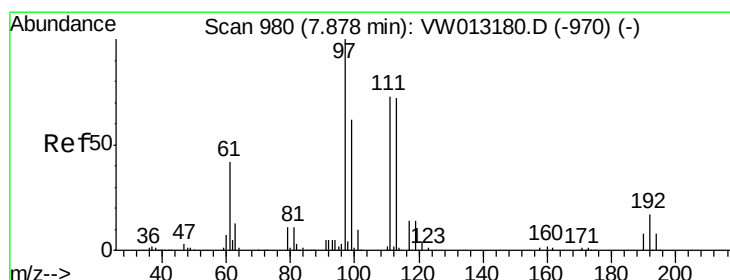
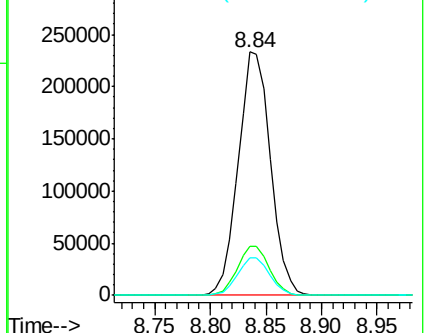
88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.486 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013189.D

Acq: 20 Sep 2019 18:26

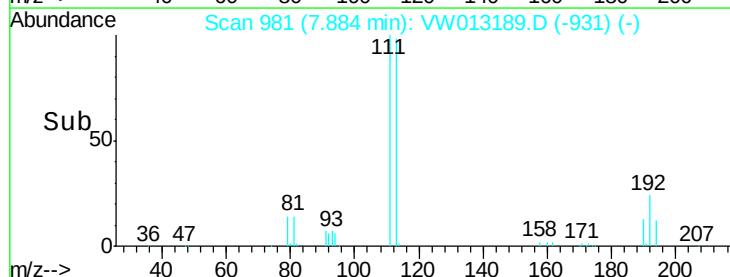
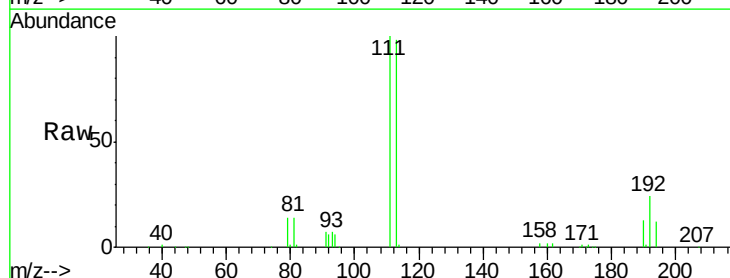
Tgt Ion:113 Resp: 132624

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

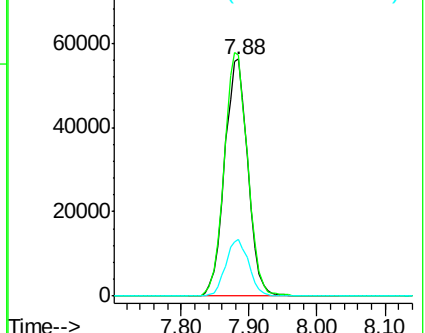
192 23.8 19.1 28.7

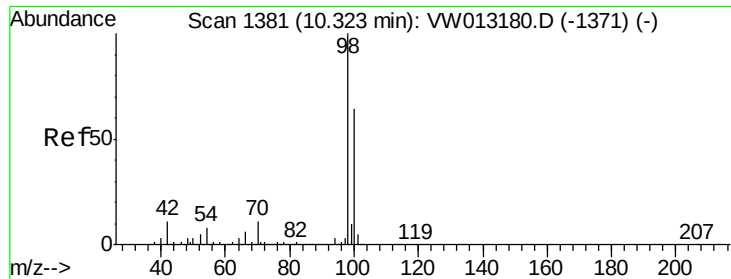


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

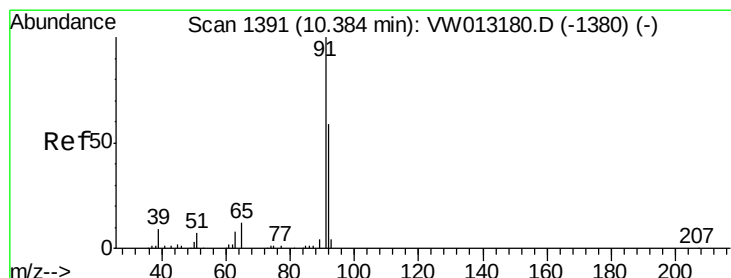
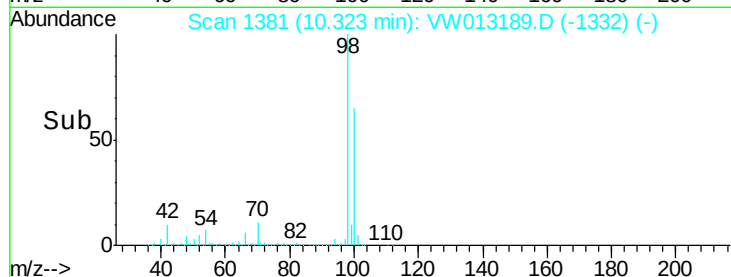
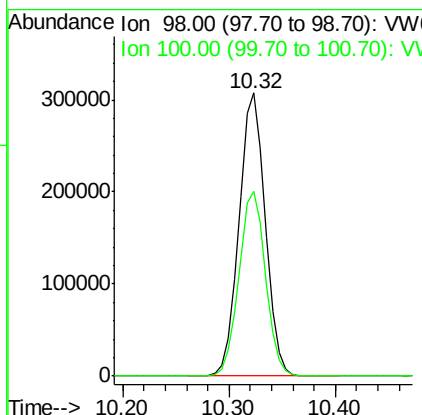
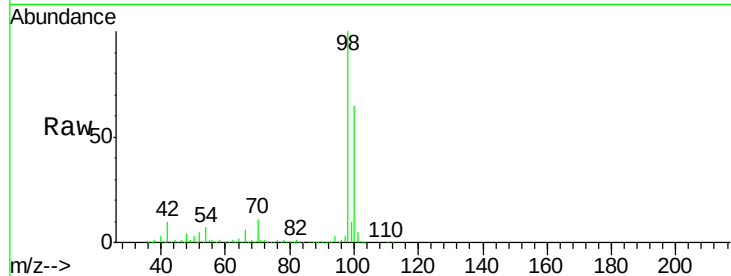




#50
Toluene-d8
Concen: 49.453 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013189.D
Acq: 20 Sep 2019 18:26

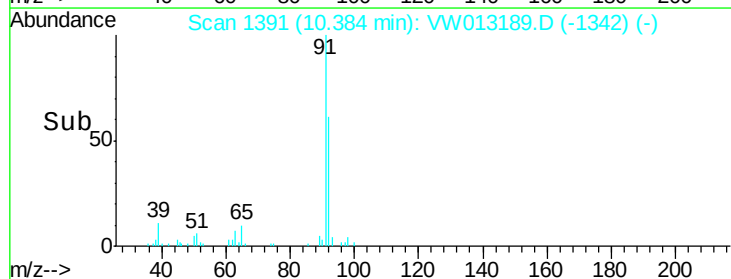
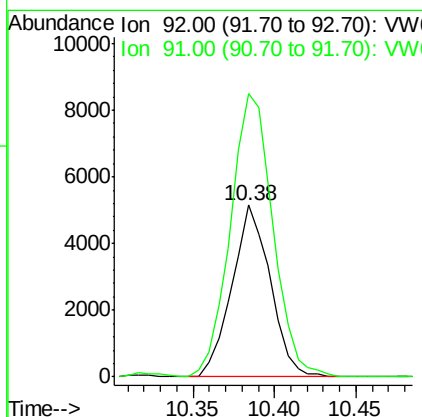
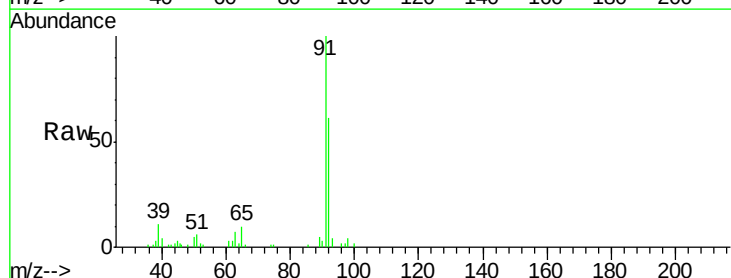
Instrument :
MSVOA_W
ClientSampleId :
TR-04-091719RE

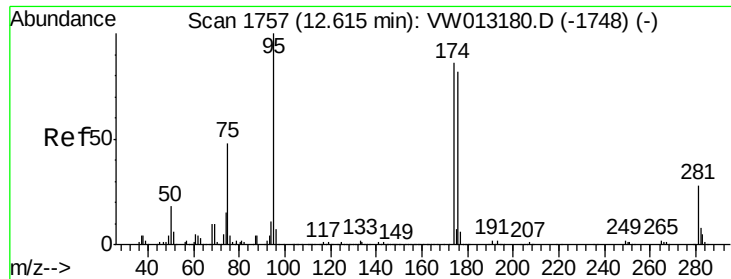
Tot Ion: 98 Resp: 533128
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



#52
Toluene
Concen: 1.037 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013189.D
Acq: 20 Sep 2019 18:26

Tgt Ion: 92 Resp: 8407
Ion Ratio Lower Upper
92 100
91 182.7 135.7 203.5





#62

4-Bromofluorobenzene

Concen: 42.891 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013189.D

Acq: 20 Sep 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

TR-04-091719RE

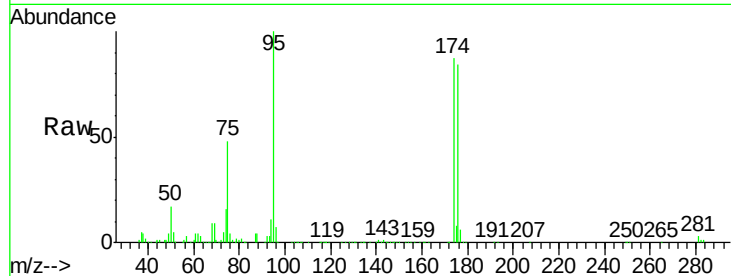
Tot Ion: 95 Resp: 157947

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.4

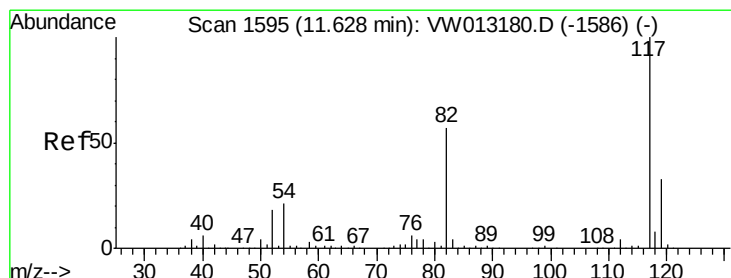
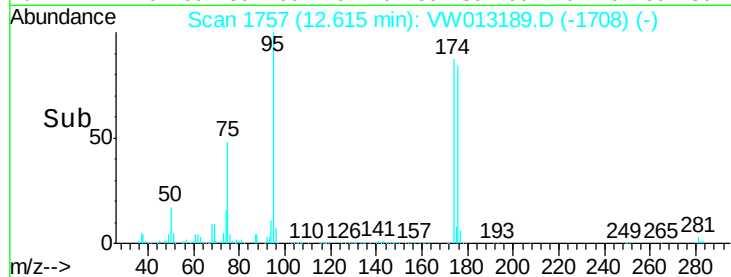
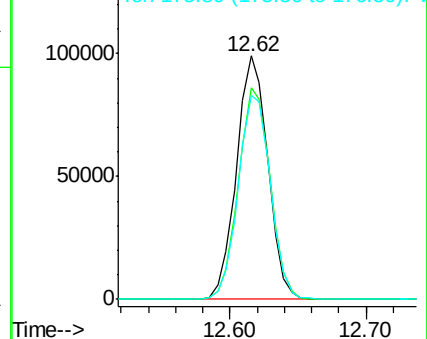
176 86.4 0.0 172.2



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: VW013189.D

Acq: 20 Sep 2019 18:26

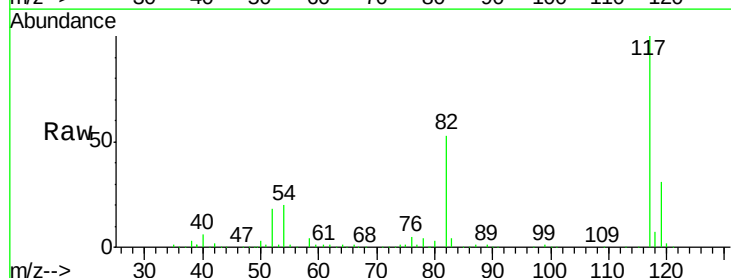
Tgt Ion: 117 Resp: 376447

Ion Ratio Lower Upper

117 100

82 52.9 45.9 68.9

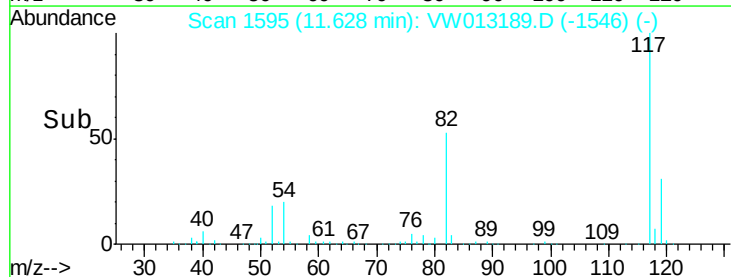
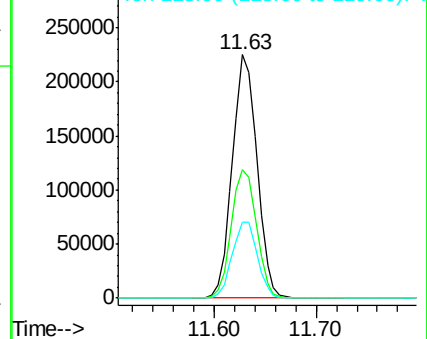
119 31.0 26.2 39.2

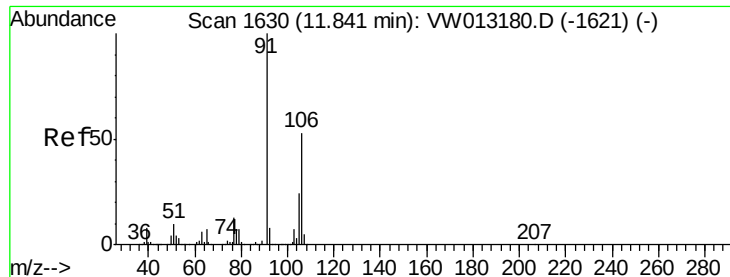


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#68

m/p-Xvlenes

Concen: 1.103 ug/l

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW013189.D

Acq: 20 Sep 2019 18:26

Instrument :

MSVOA_W

ClientSampleId :

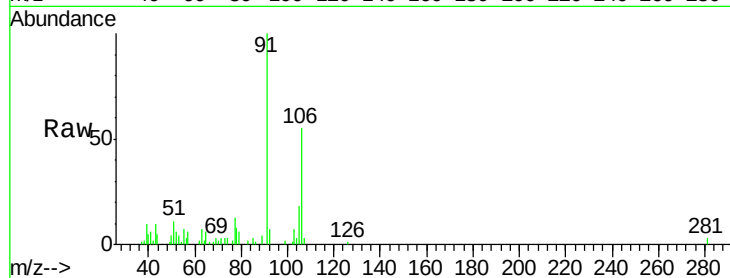
TR-04-091719RE

Tot Ion:106 Resp: 5985

Ion Ratio Lower Upper

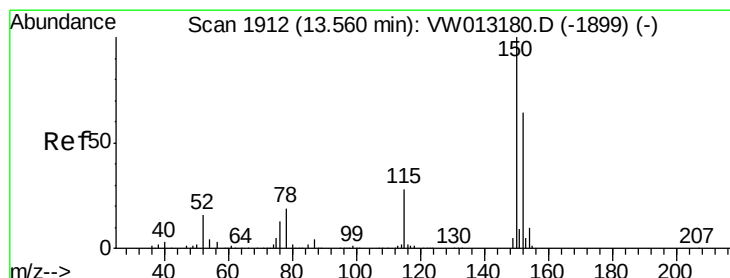
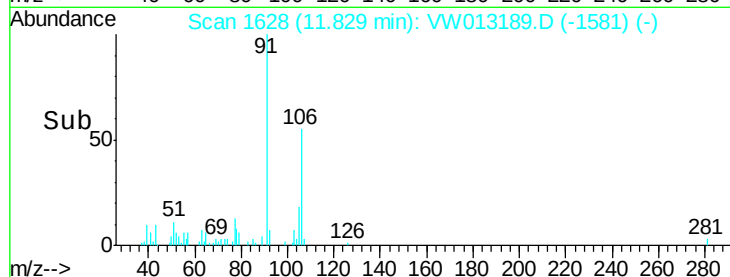
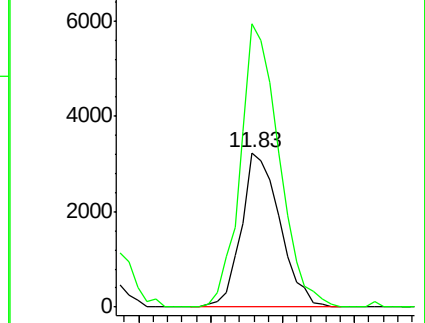
106 100

91 184.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VW013189.D

Acq: 20 Sep 2019 18:26

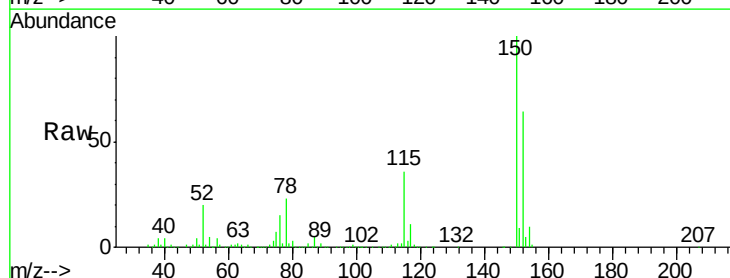
Tgt Ion:152 Resp: 148144

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

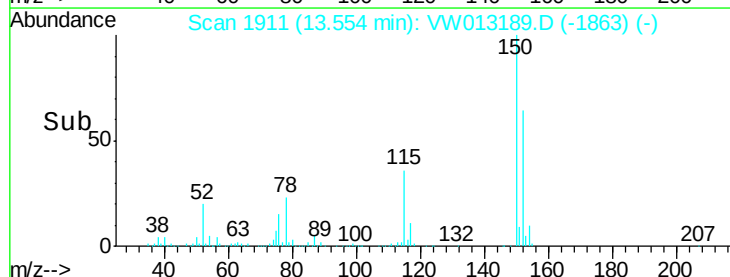
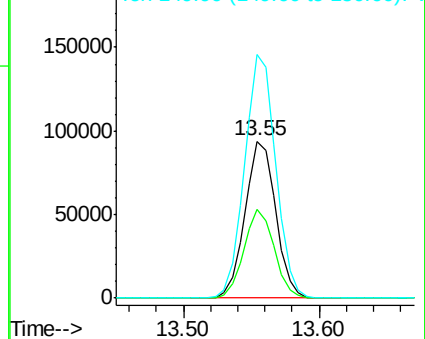
150 157.4 0.0 349.0

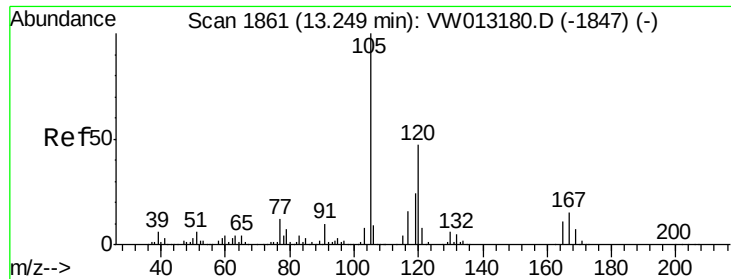


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

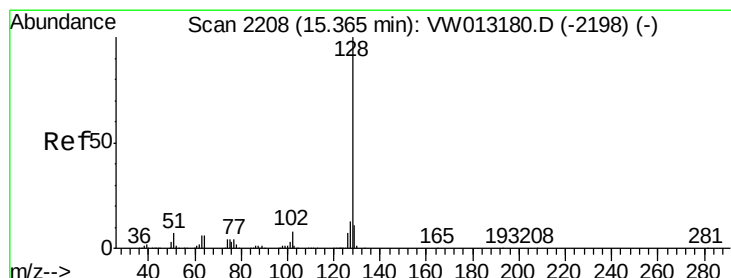
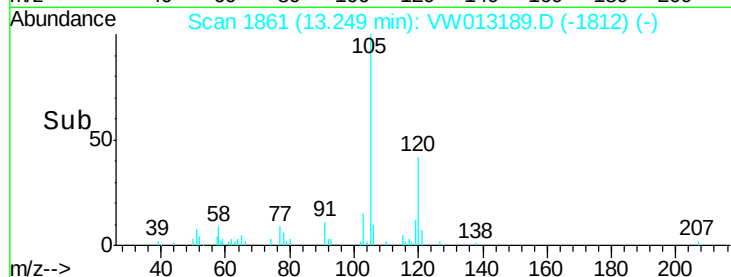
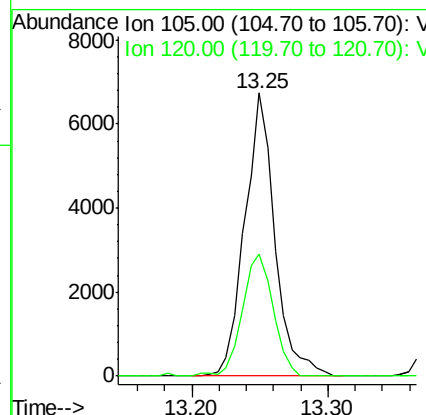
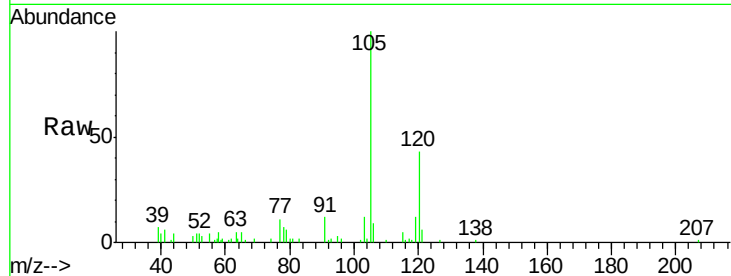




#84
 1,2,4-Trimethylbenzene
 Concen: 1.142 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013189.D
 Acq: 20 Sep 2019 18:26

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-091719RE

Tot Ion:105 Resp: 10451
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.4 70.3



#95
 Naphthalene
 Concen: 10.370 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013189.D
 Acq: 20 Sep 2019 18:26

Tgt Ion:128 Resp: 52477
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.6 15.8
 129 11.0 8.7 13.1

