

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005160.D
 Acq On : 06 Sep 2018 13:43
 Operator : SY/AP
 Sample : J4761-04RE
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200031RE

Quant Time: Sep 06 14:22:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	432585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	709257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	663979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	282046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	257576	71.83	ug/l	0.00
Spiked Amount						
			Recovery	=	143.66%	
35) Dibromofluoromethane	7.89	113	234675	57.26	ug/l	0.00
Spiked Amount						
			Recovery	=	114.52%	
50) Toluene-d8	10.33	98	986457	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.63	95	313675	47.10	ug/l	0.00
Spiked Amount						
			Recovery	=	94.20%	

Target Compounds

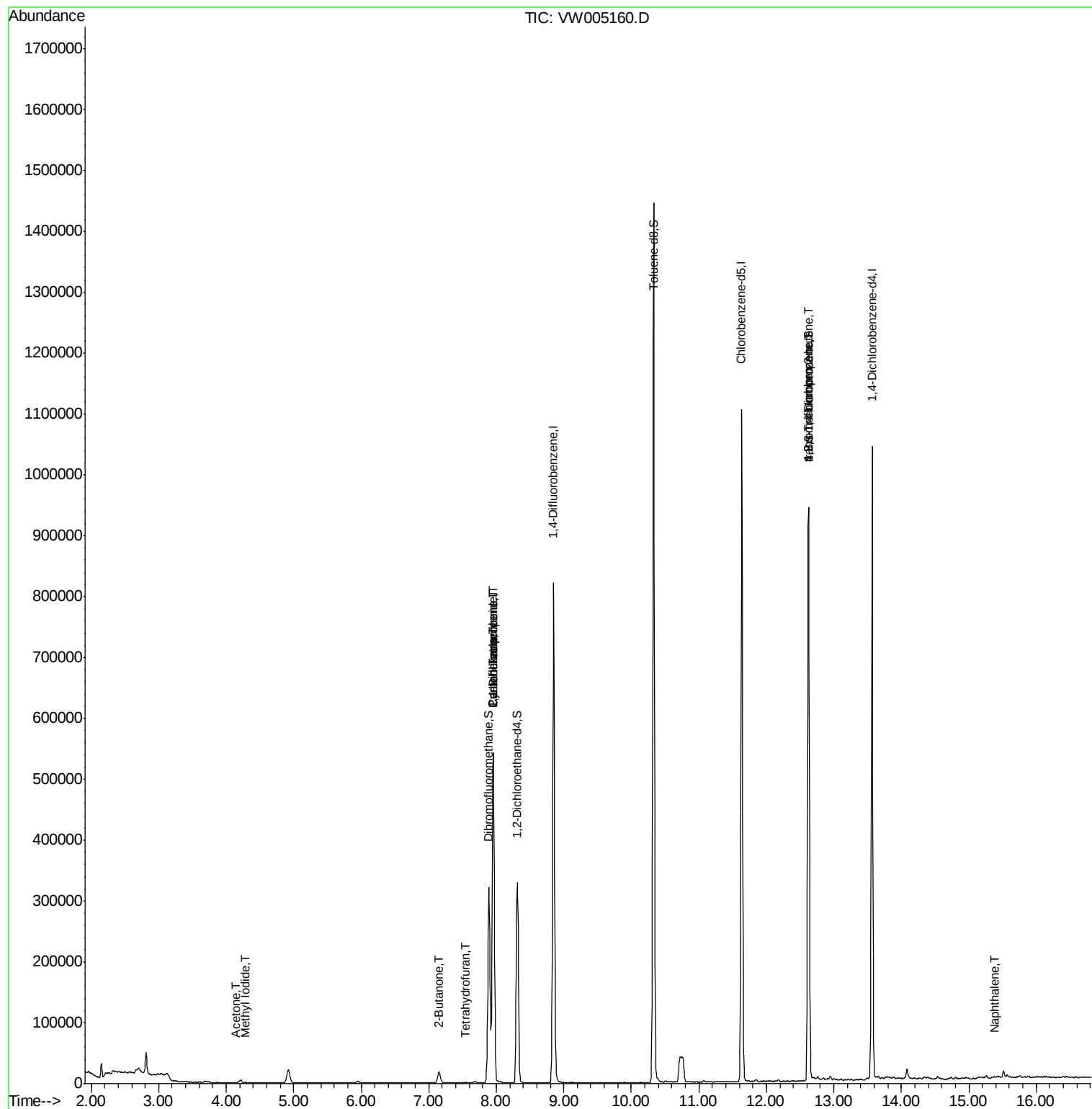
					Qvalue	
5) Bromomethane	2.76	94	1373	Below Cal	#	75
10) Methyl Iodide	4.28	142	552	3.908	ug/l #	67
11) Tert butyl alcohol	5.20	59	217	Below Cal	#	73
16) Acetone	4.15	43	1107	1.539	ug/l #	87
20) Methylene Chloride	4.92	84	18494	Below Cal		98
25) 2-Butanone	7.16	43	1457	1.168	ug/l #	79
29) Tetrahydrofuran	7.55	42	1005	1.577	ug/l #	79
31) Cyclohexane	7.95	56	7530	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	30243	4.477	ug/l #	48
38) Carbon Tetrachloride	7.96	117	40156	6.252	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	146360	69.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146360	166.394	ug/l #	15
95) Naphthalene	15.39	128	1980	4.159	ug/l #	86

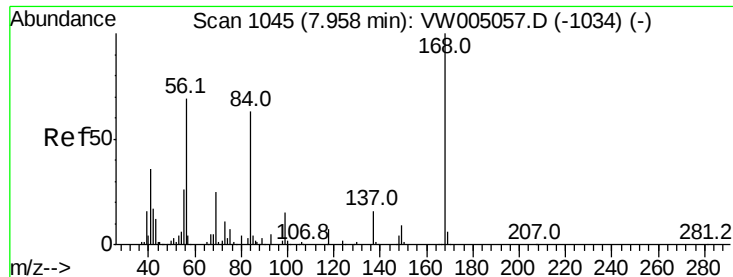
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

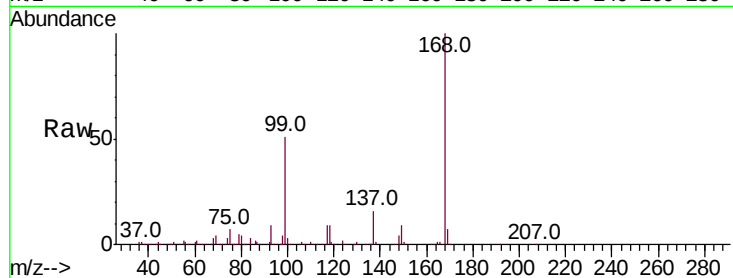
RBR-200031RE

Tot Ion:168 Resp: 432585

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

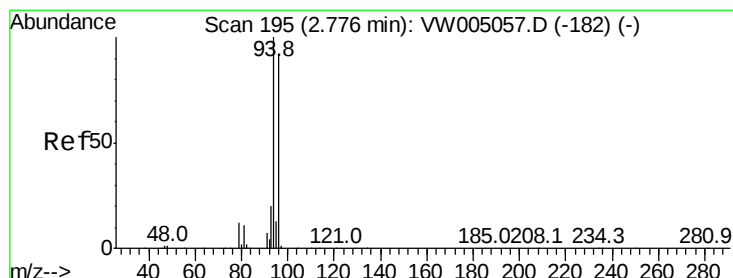
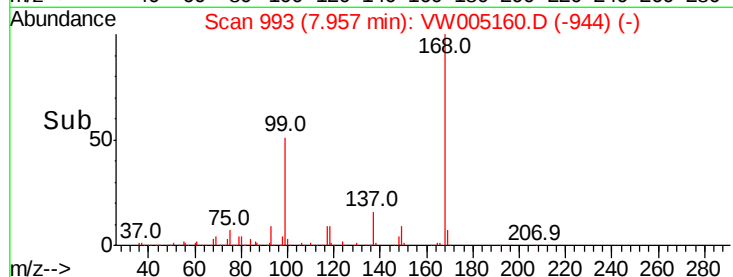
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW005160.D

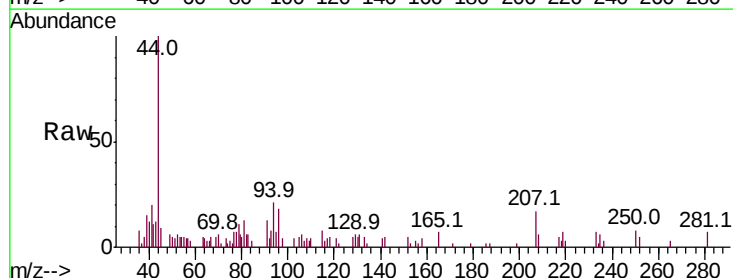
Acq: 06 Sep 2018 13:43

Tgt Ion: 94 Resp: 1373

Ion Ratio Lower Upper

94 100

96 67.7 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

800

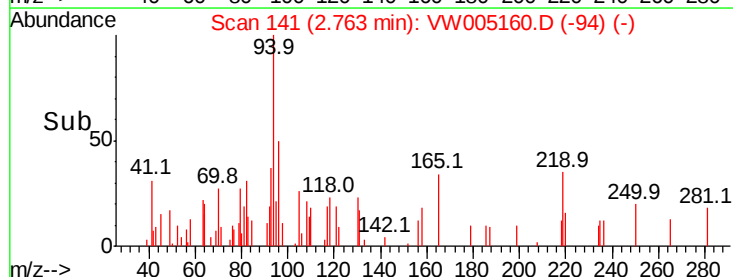
600

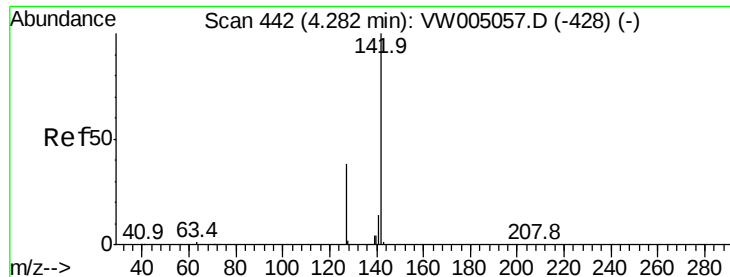
400

200

0

Time-->

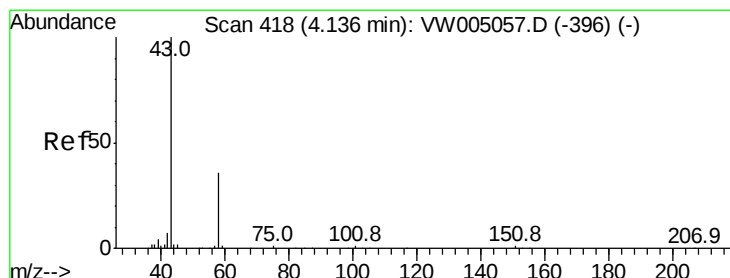
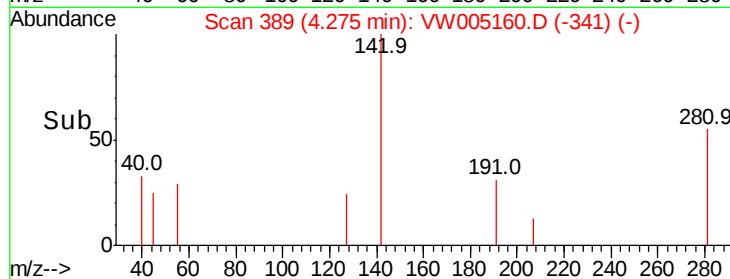
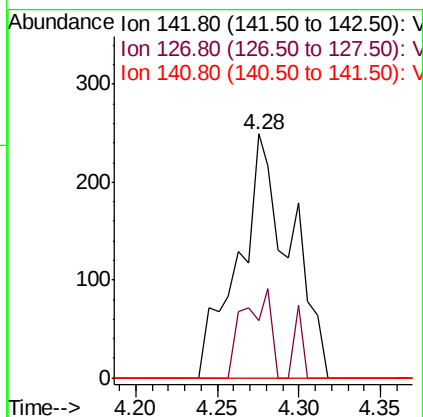
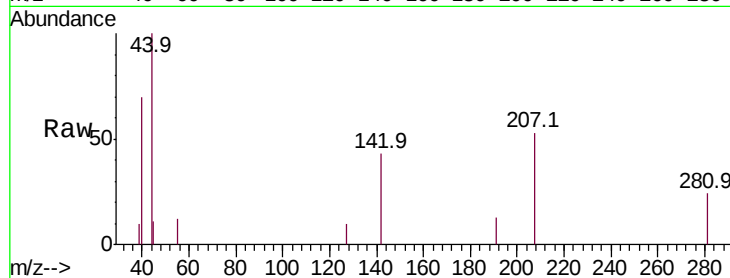




#10
Methvl Iodide
Concen: 3.908 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

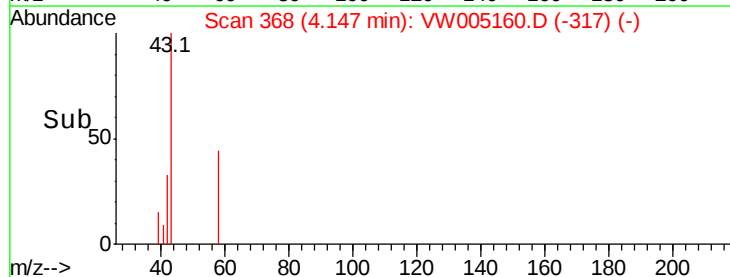
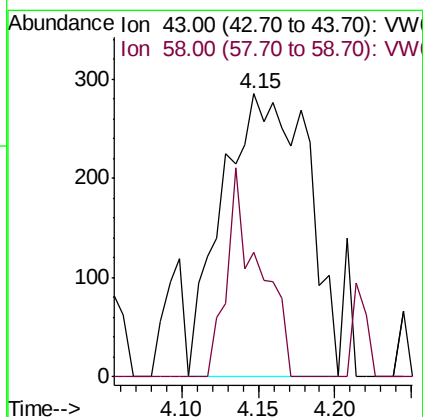
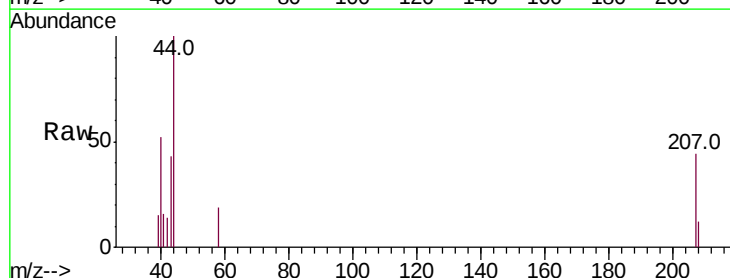
Instrument :
MSVOA_W
ClientSampleId :
RBR-200031RE

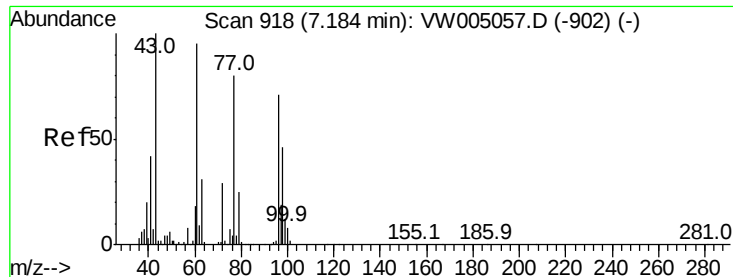
Tot Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 19.0 30.8 46.2#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 1.539 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

Tgt Ion: 43 Resp: 1107
Ion Ratio Lower Upper
43 100
58 43.9 29.0 43.6#





#25

2-Butanone

Concen: 1.168 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.03 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

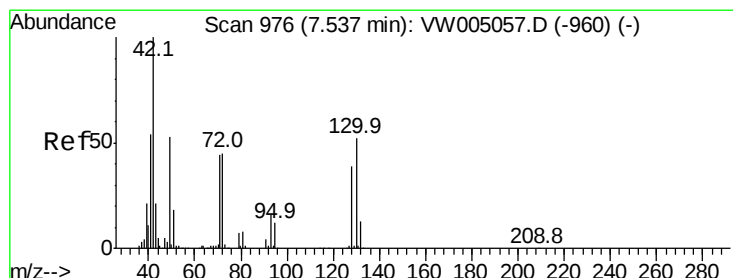
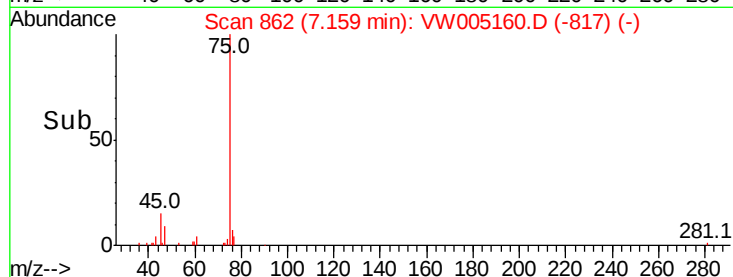
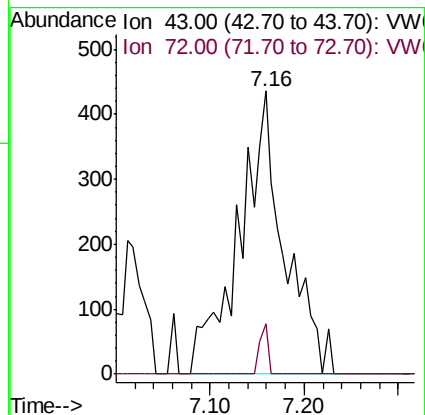
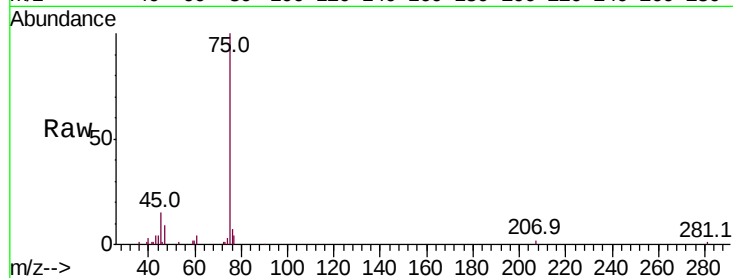
RBR-200031RE

Tot Ion: 43 Resp: 1457

Ion Ratio Lower Upper

43 100

72 17.7 23.1 34.7#



#29

Tetrahydrofuran

Concen: 1.577 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

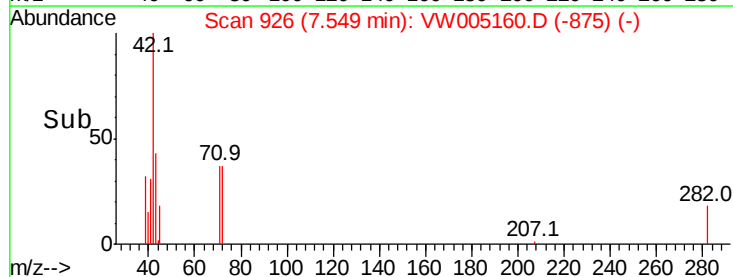
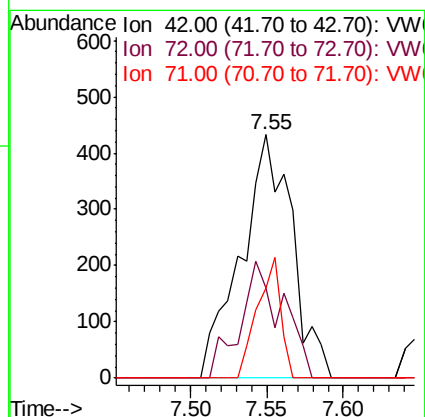
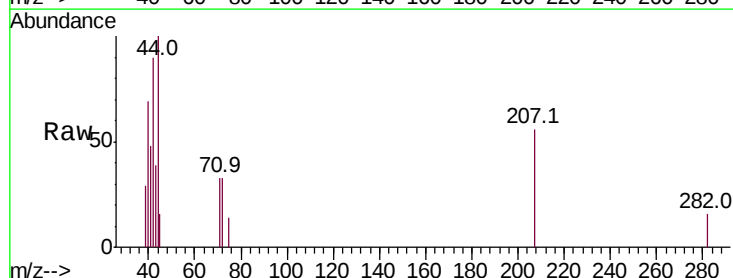
Tgt Ion: 42 Resp: 1005

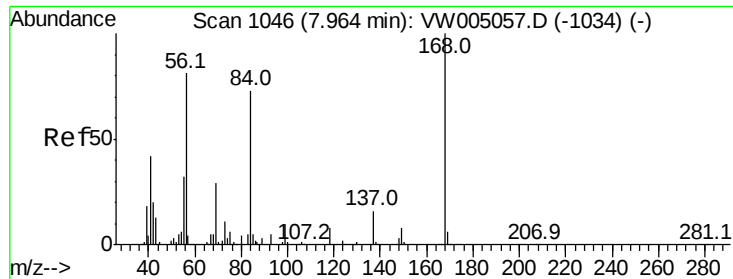
Ion Ratio Lower Upper

42 100

72 40.0 37.0 55.4

71 22.8 35.0 52.6#

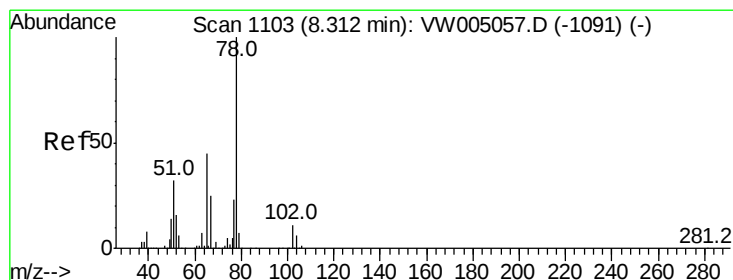
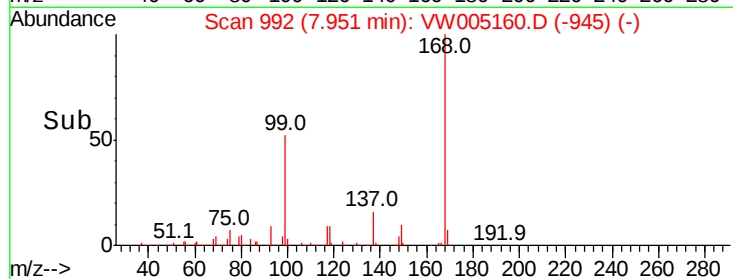
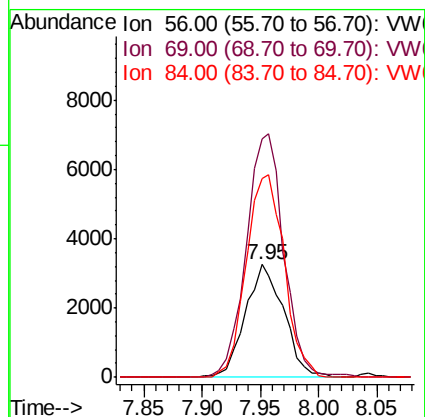
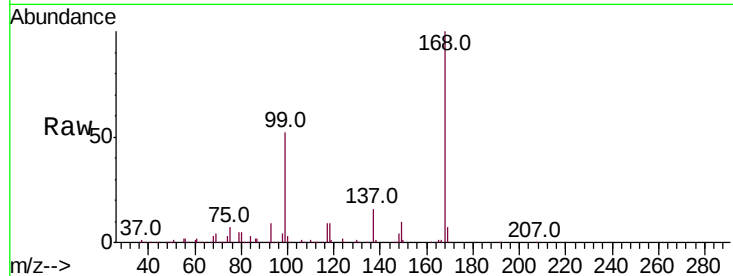




#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

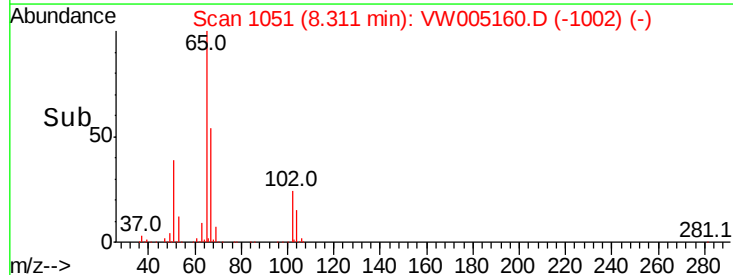
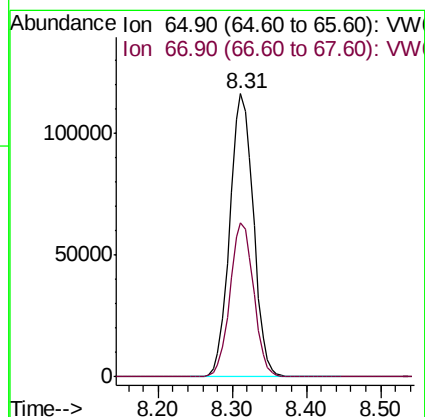
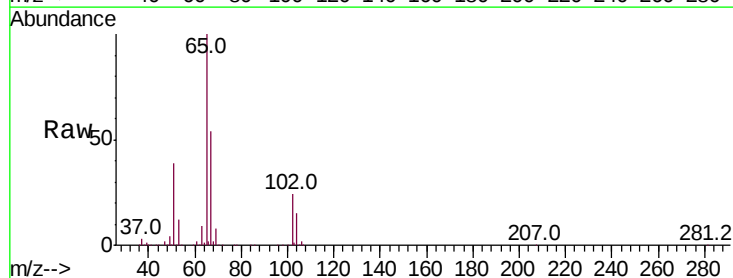
Instrument :
MSVOA_W
ClientSampleId :
RBR-200031RE

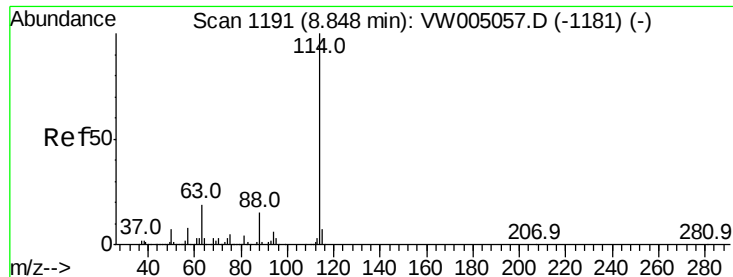
Tot Ion: 56 Resp: 7530
Ion Ratio Lower Upper
56 100
69 211.3 28.2 42.2#
84 176.3 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 71.829 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

Tgt Ion: 65 Resp: 257576
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.4

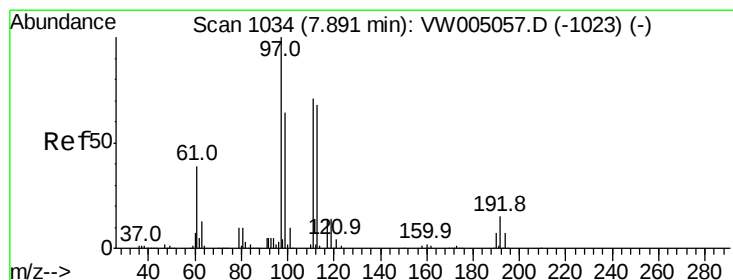
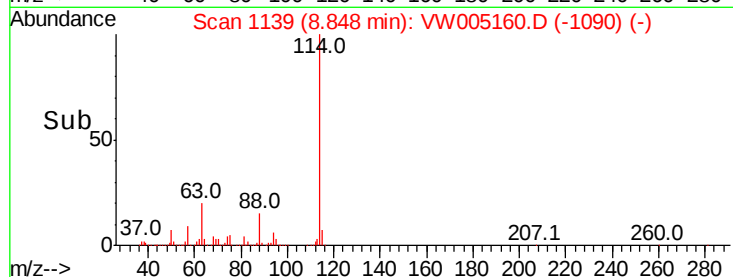
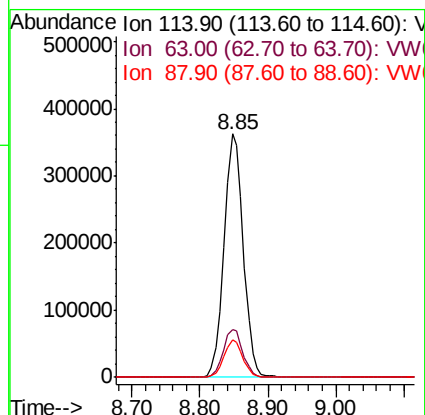
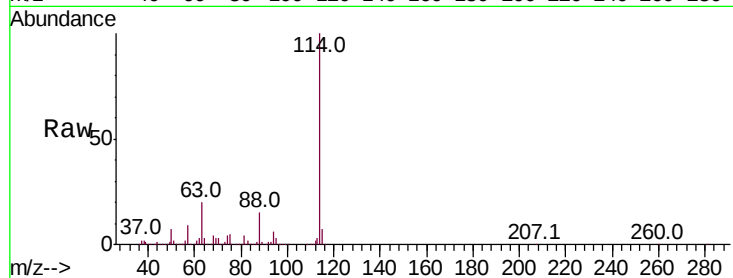




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005160.D
 Acq: 06 Sep 2018 13:43

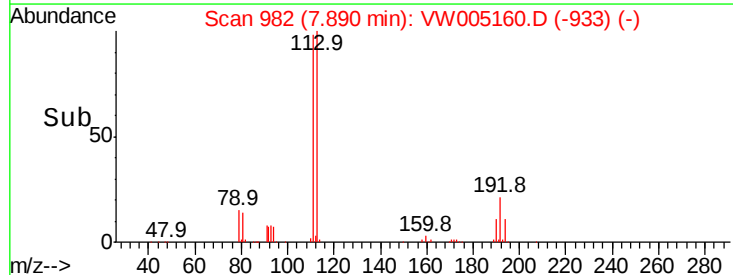
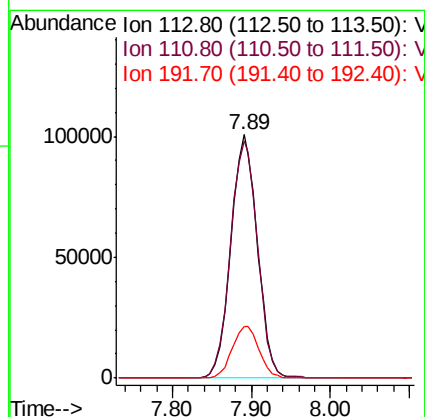
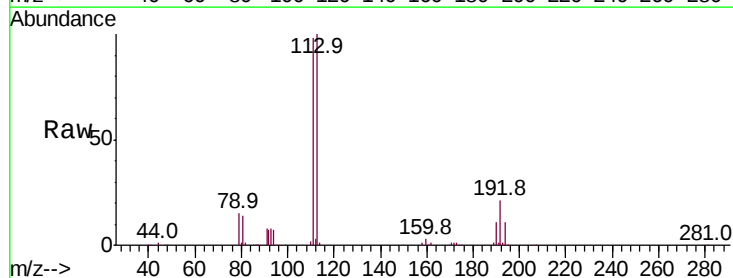
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200031RE

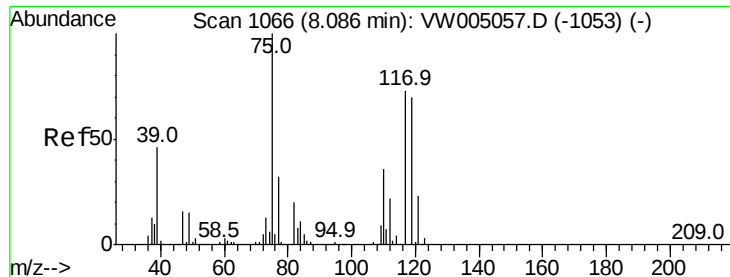
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.0
88	15.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 57.256 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005160.D
 Acq: 06 Sep 2018 13:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.2	123.2
192	21.6	18.1	27.1





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

RBR-200031RE

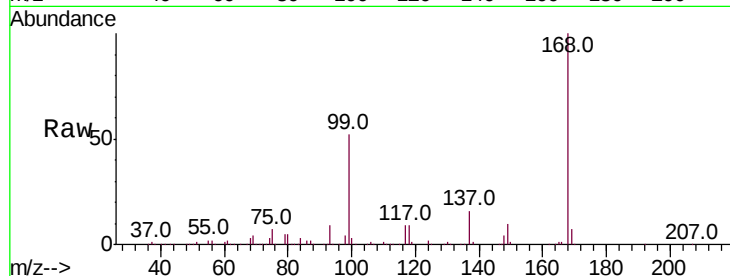
Tot Ion: 75 Resp: 30243

Ion Ratio Lower Upper

75 100

110 8.8 18.9 56.7#

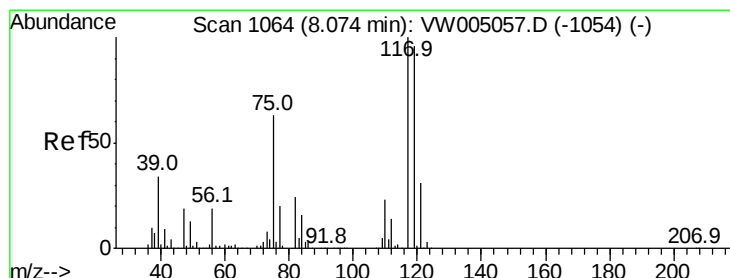
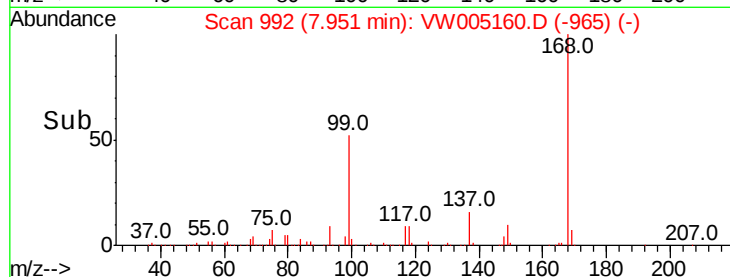
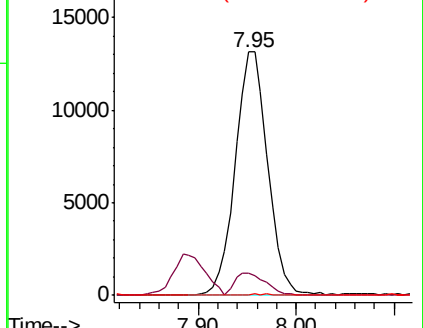
77 0.2 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.252 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

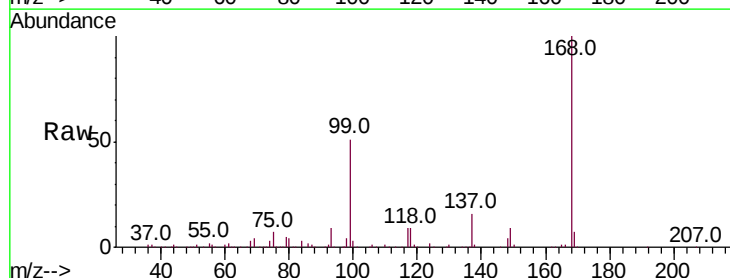
Tgt Ion: 117 Resp: 40156

Ion Ratio Lower Upper

117 100

119 6.2 76.6 115.0#

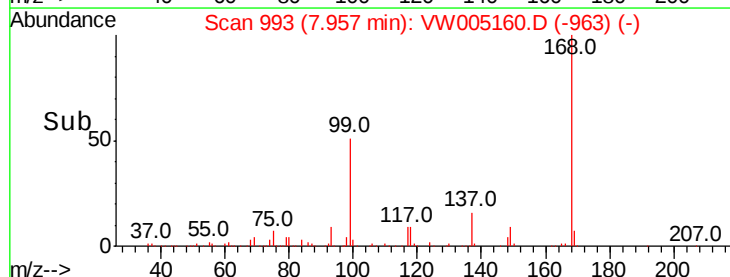
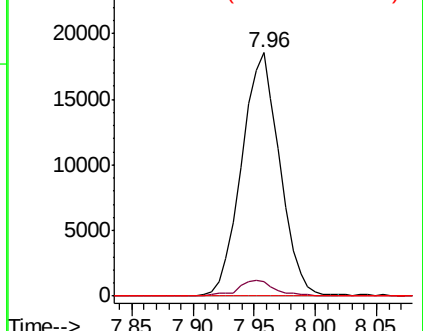
121 0.0 24.8 37.2#

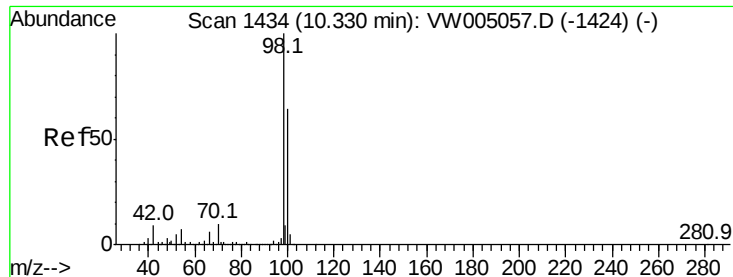


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.232 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

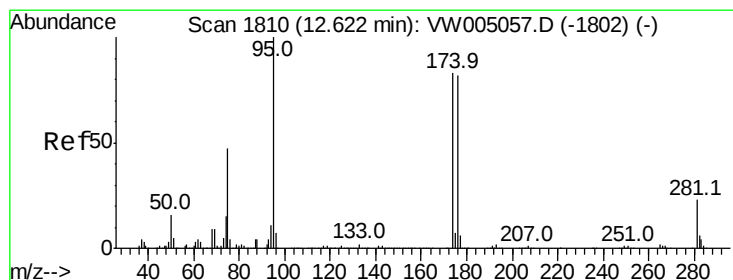
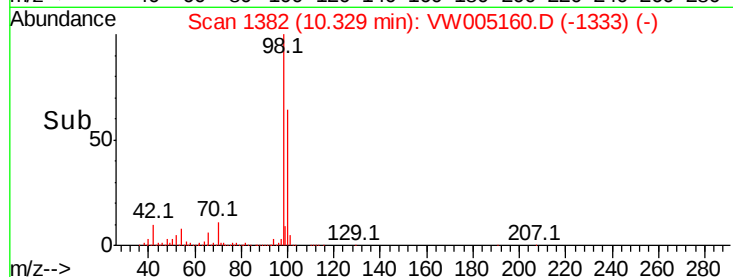
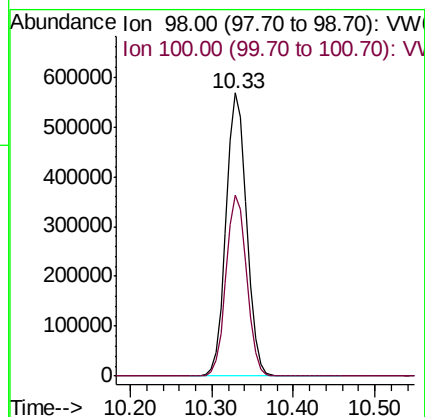
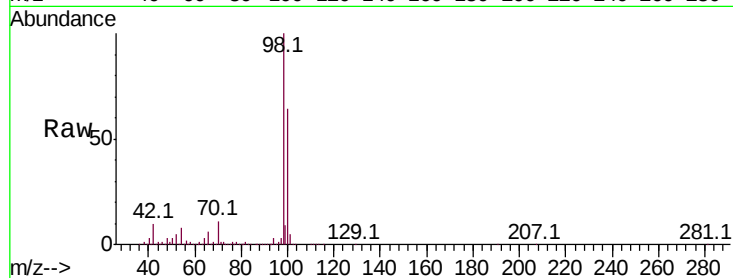
RBR-200031RE

Tot Ion: 98 Resp: 986457

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.103 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

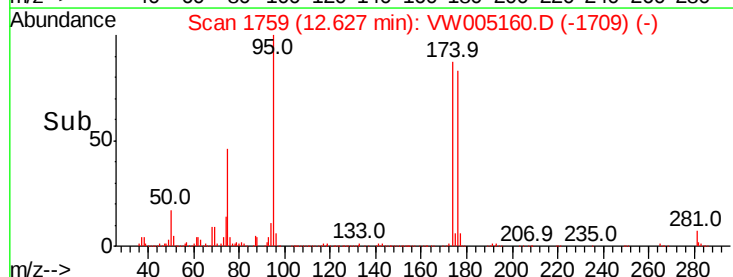
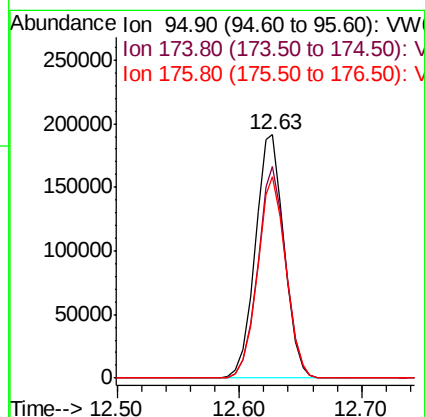
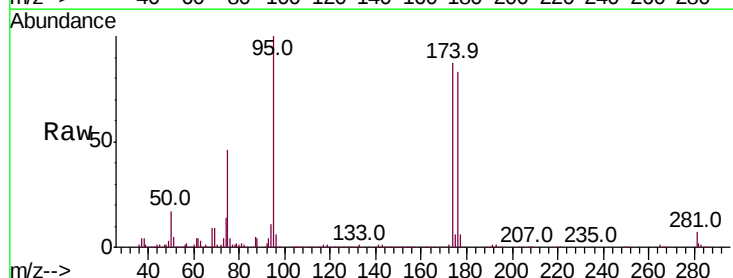
Tgt Ion: 95 Resp: 313675

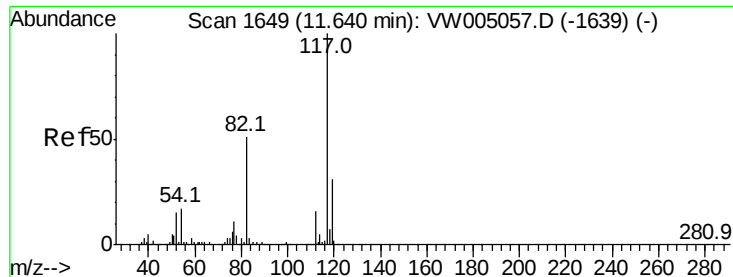
Ion Ratio Lower Upper

95 100

174 84.5 0.0 173.4

176 81.4 0.0 167.4

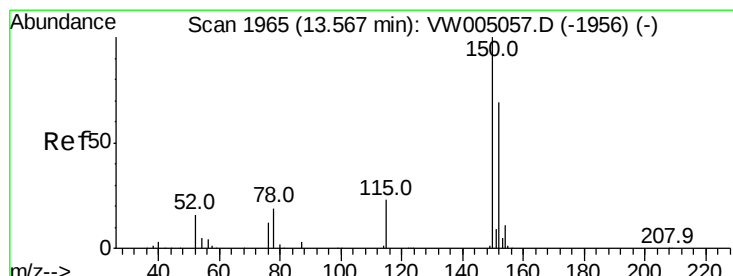
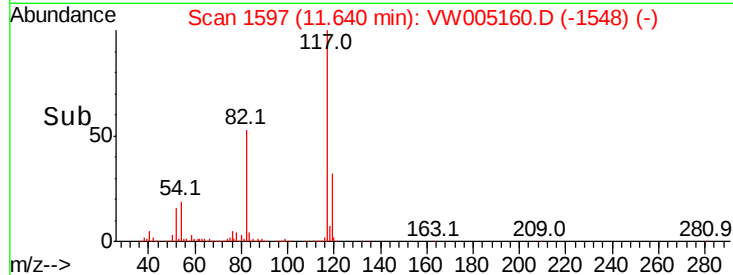
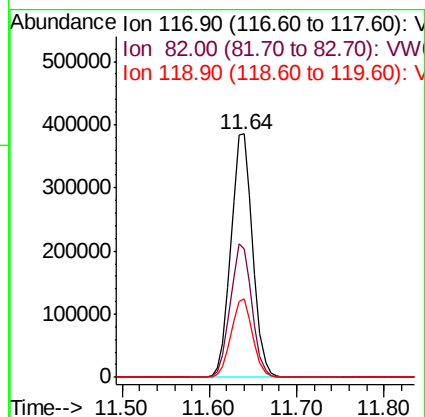
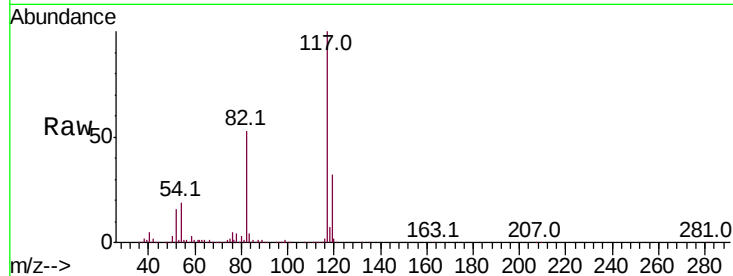




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

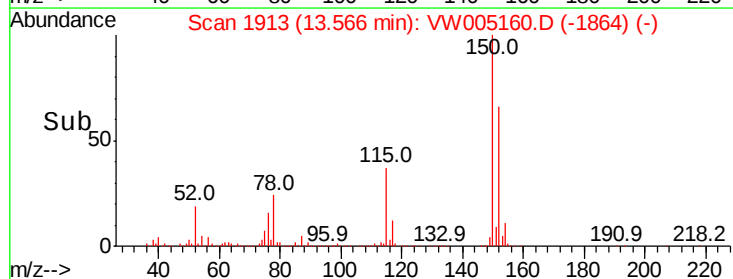
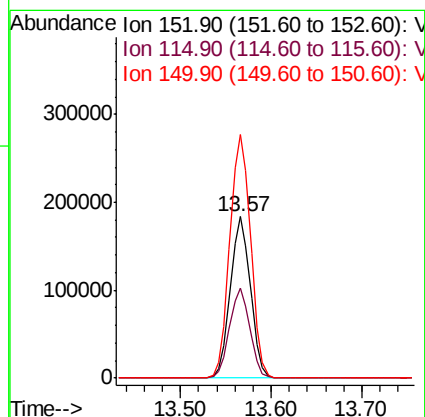
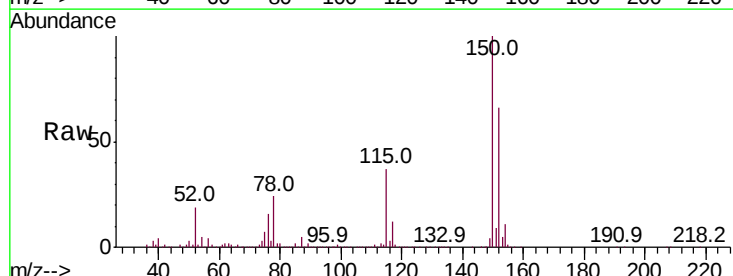
Instrument :
MSVOA_W
ClientSampleId :
RBR-200031RE

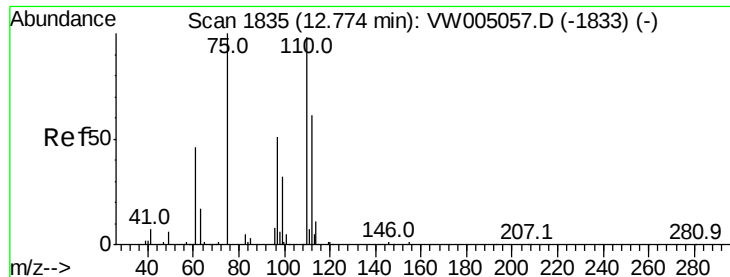
Tot Ion:117 Resp: 663979
Ion Ratio Lower Upper
117 100
82 53.0 40.9 61.3
119 32.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005160.D
Acq: 06 Sep 2018 13:43

Tgt Ion:152 Resp: 282046
Ion Ratio Lower Upper
152 100
115 56.1 27.8 83.4
150 156.0 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 69.132 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

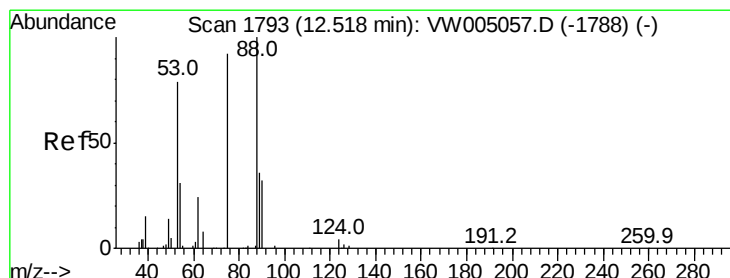
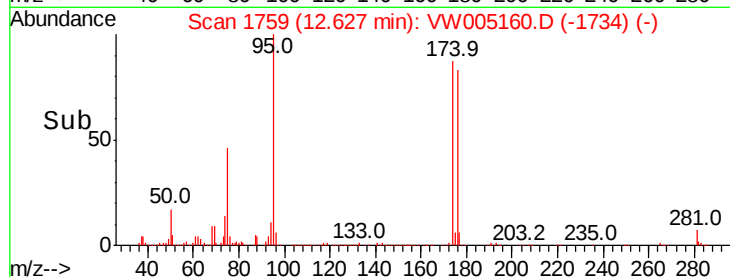
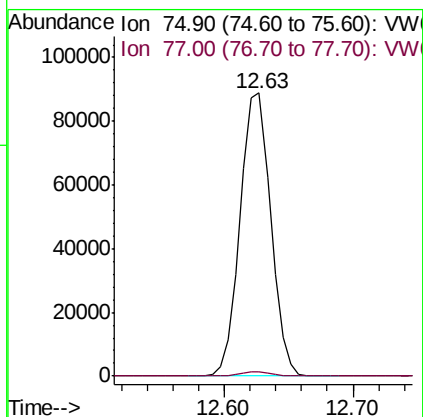
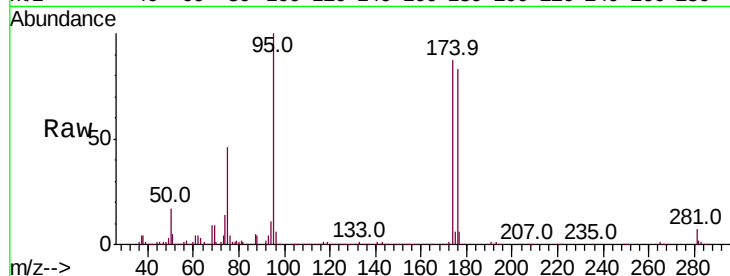
RBR-200031RE

Tot Ion: 75 Resp: 146360

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 166.394 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

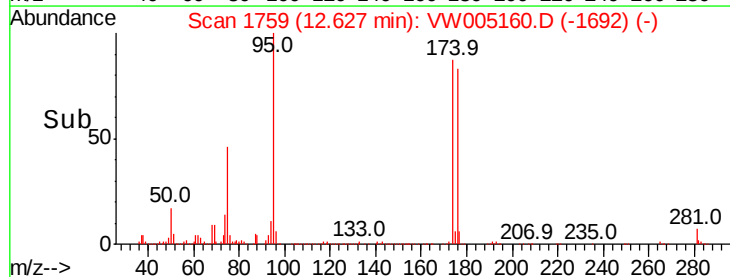
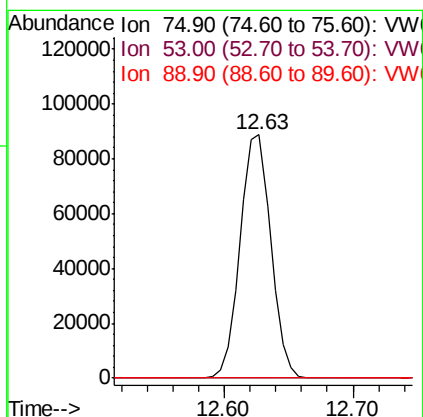
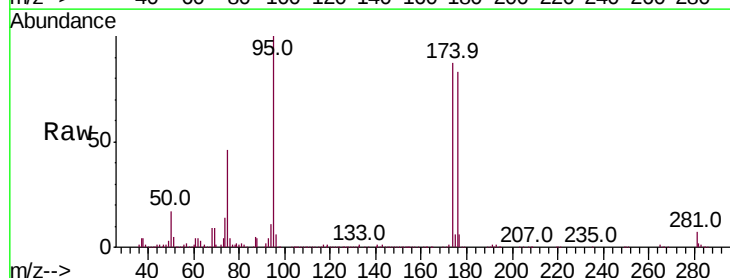
Tgt Ion: 75 Resp: 146360

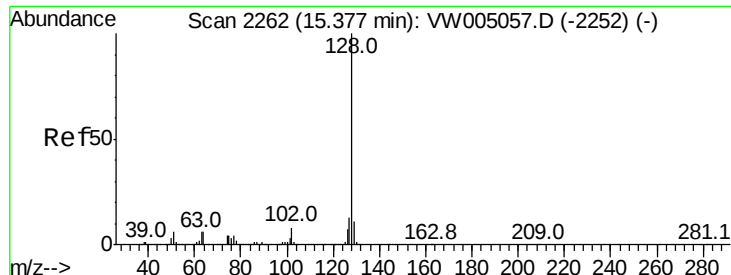
Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

89 0.1 36.0 54.0#





#95

Naphthalene

Concen: 4.159 ug/l

RT: 15.39 min Scan# 2212

Delta R.T. 0.01 min

Lab File: VW005160.D

Acq: 06 Sep 2018 13:43

Instrument :

MSVOA_W

ClientSampleId :

RBR-200031RE

Tot Ion:128 Resp: 1980

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 0.0 8.7 13.1#

