

Data File : VW006004.D
Acq On : 10 Oct 2018 23:50
Operator : SY/AP
Sample : J5366-01RE
Misc : 6.93G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200035RE

Quant Time: Oct 11 05:40:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	104864	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	102028	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.33	98	367787	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.62	95	137257	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	

Target Compounds

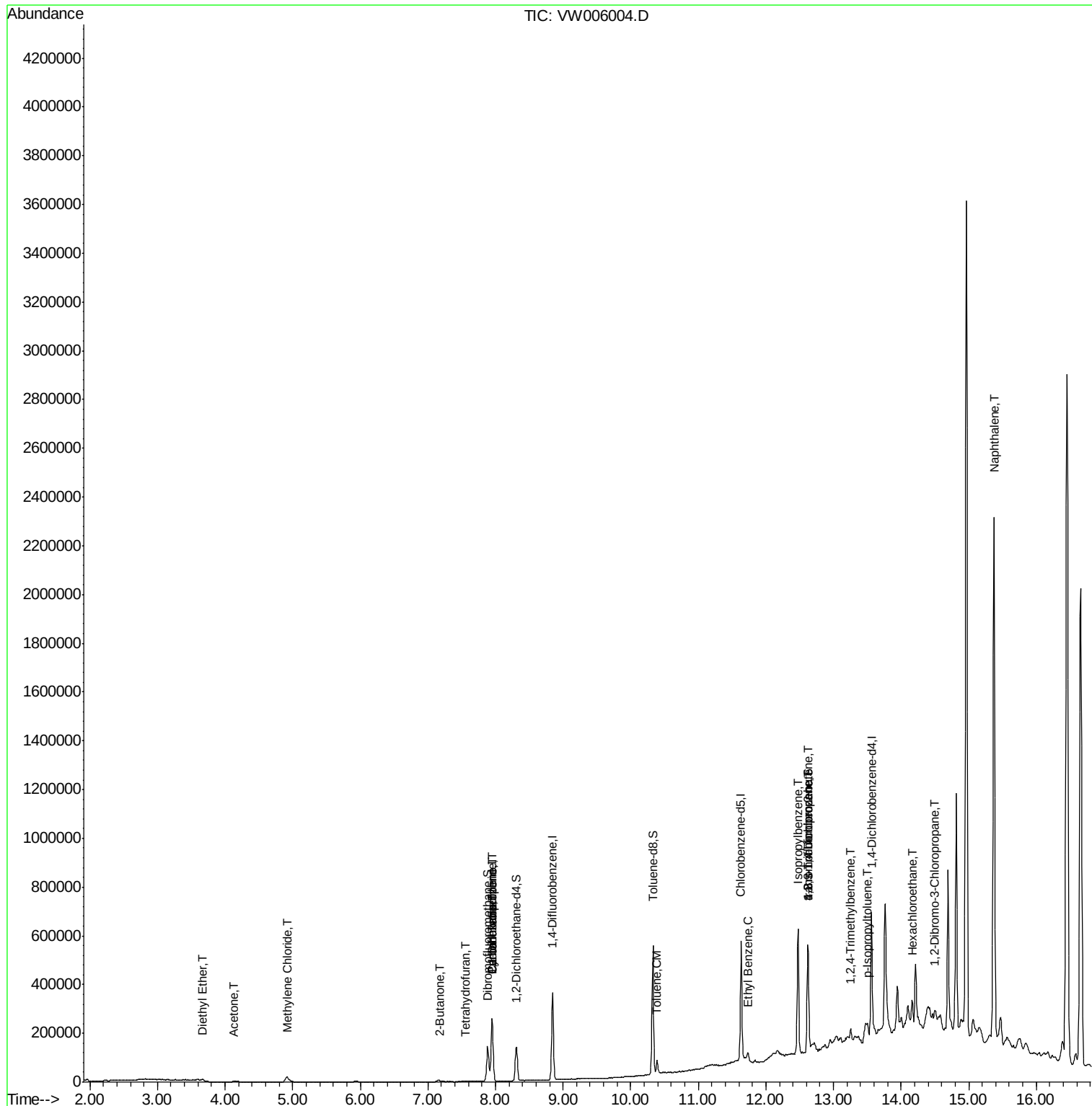
						Qvalue
8) Diethyl Ether	3.67	74	2098	2.289	ug/l	63
16) Acetone	4.14	43	6221	15.649	ug/l #	86
20) Methylene Chloride	4.92	84	19732	9.907	ug/l	95
25) 2-Butanone	7.18	43	678	1.199	ug/l #	82
29) Tetrahydrofuran	7.57	42	753	2.107	ug/l #	34
31) Cyclohexane	7.95	56	4039	1.159	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	14179	4.722	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19052	5.905	ug/l #	15
52) Toluene	10.39	92	23577	4.366	ug/l	100
67) Ethyl Benzene	11.73	91	19500	1.865	ug/l	100
73) Isopropylbenzene	12.48	105	28079	2.809	ug/l #	64
76) 1,2,3-Trichloropropane	12.62	75	68936	56.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68936	119.016	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	21054	2.473	ug/l	99
86) p-Isopropyltoluene	13.51	119	28257	2.982	ug/l #	78
90) Hexachloroethane	14.16	117	51141	28.695	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1991	6.520	ug/l #	1
95) Naphthalene	15.38	128	1940829	347.604	ug/l	99

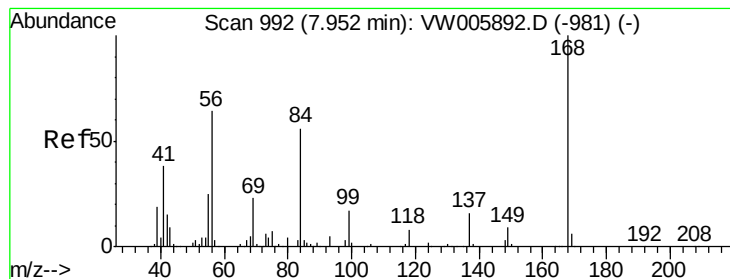
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

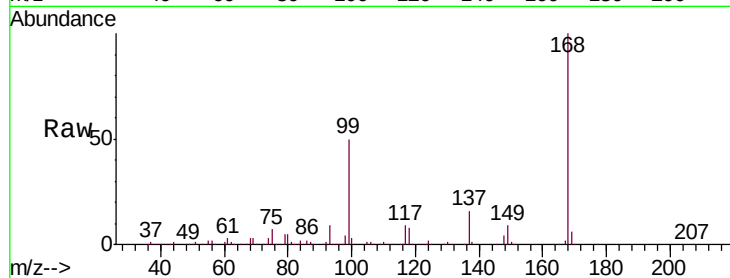
RBR200035RE

Tgt Ion:168 Resp: 205013

Ion Ratio Lower Upper

168 100

99 49.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

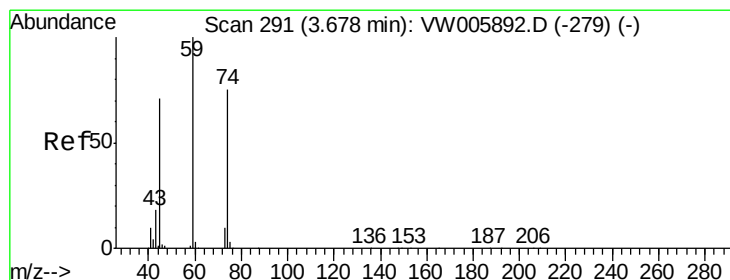
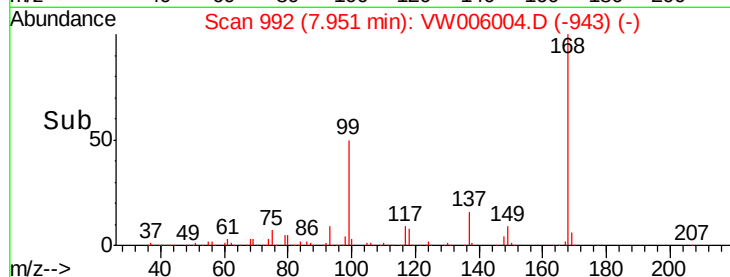
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.289 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006004.D

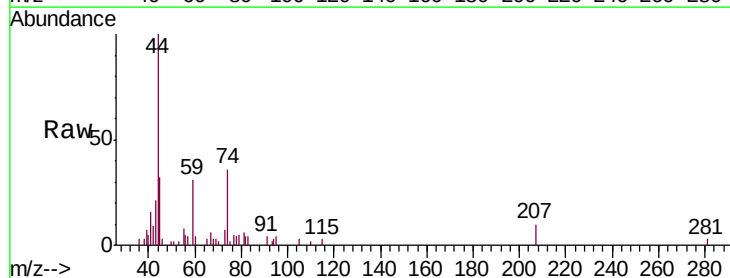
Acq: 10 Oct 2018 23:50

Tgt Ion: 74 Resp: 2098

Ion Ratio Lower Upper

74 100

45 129.4 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

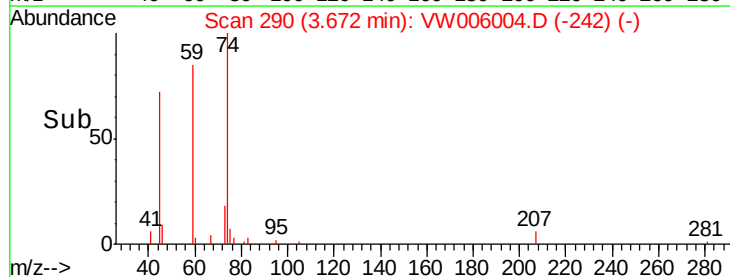
600

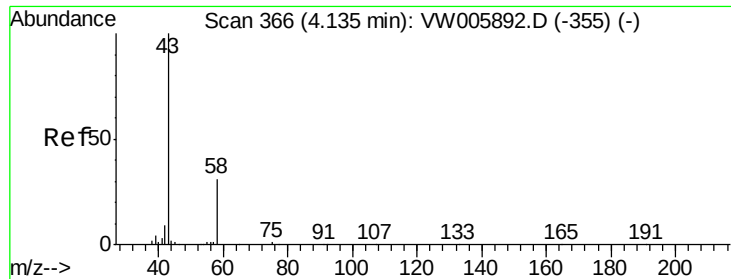
400

200

0

Time-->





#16

Acetone

Concen: 15.649 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

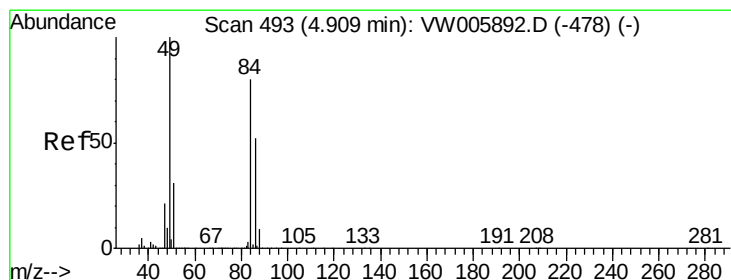
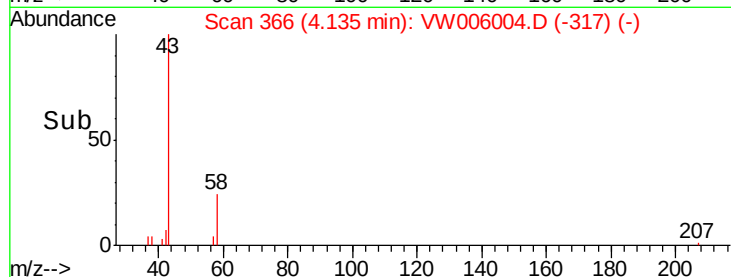
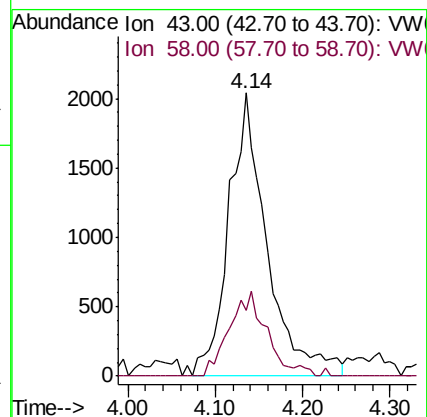
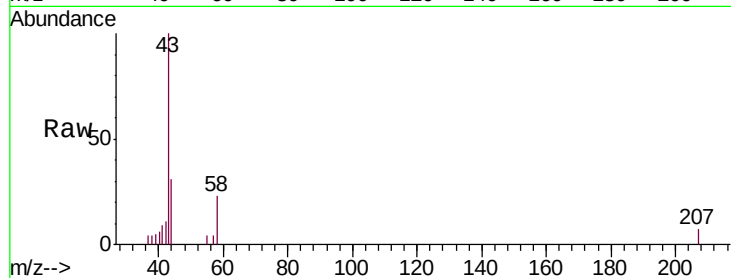
RBR200035RE

Tgt Ion: 43 Resp: 6221

Ion Ratio Lower Upper

43 100

58 23.1 24.7 37.1#



#20

Methylene Chloride

Concen: 9.907 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Tgt Ion: 84 Resp: 19732

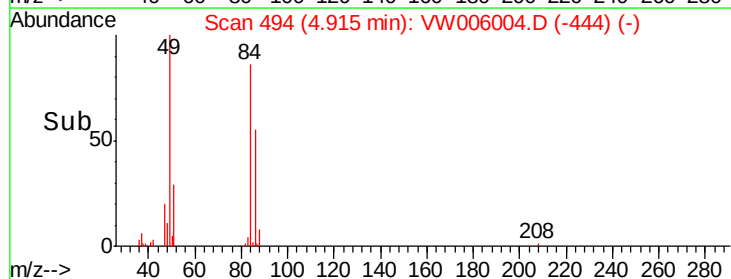
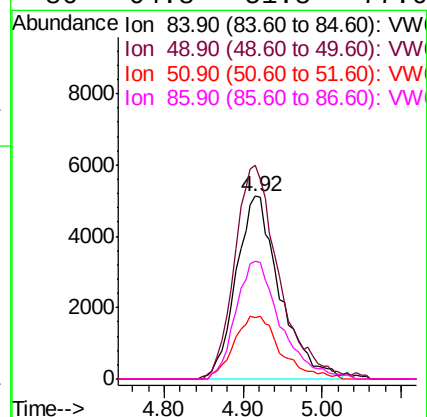
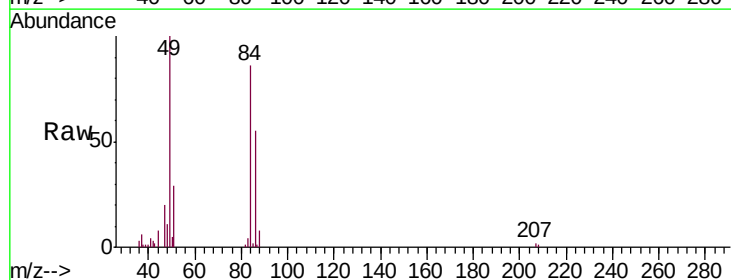
Ion Ratio Lower Upper

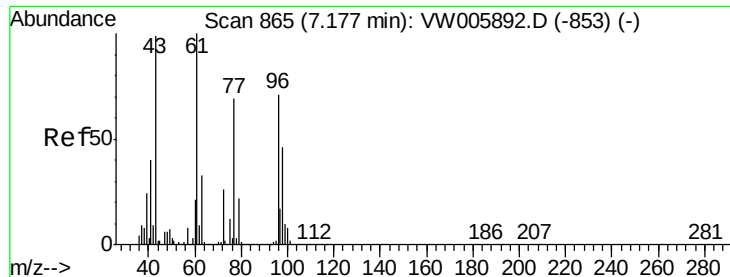
84 100

49 116.9 99.9 149.9

51 33.3 31.1 46.7

86 64.8 51.8 77.6





#25

2-Butanone

Concen: 1.199 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampled :

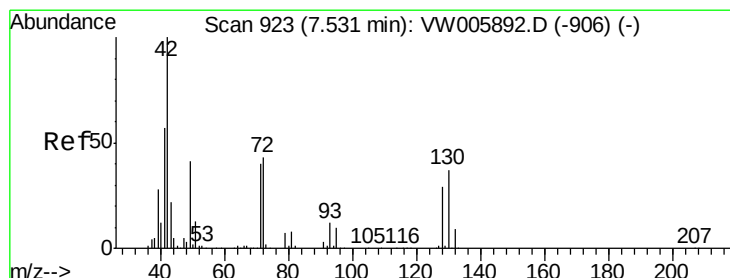
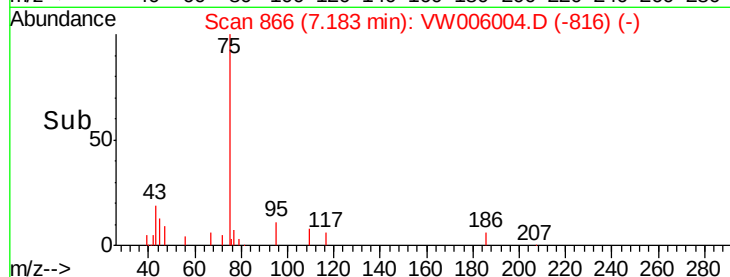
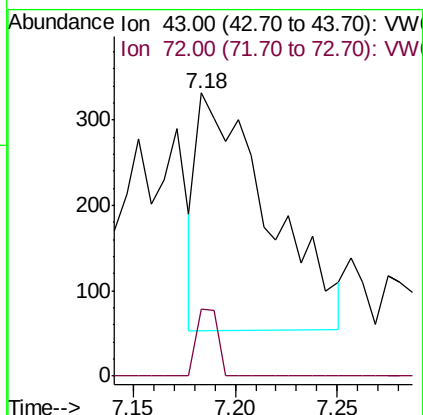
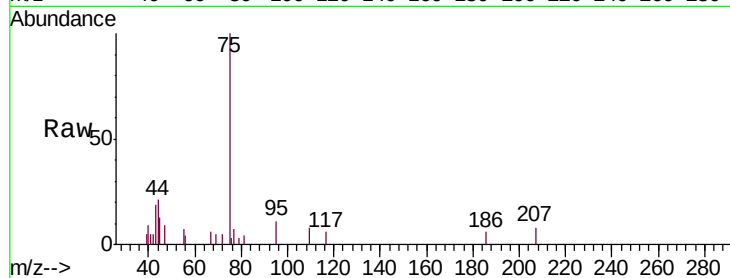
RBR200035RE

Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

72 35.6 21.0 31.4#



#29

Tetrahydrofuran

Concen: 2.107 ug/l

RT: 7.57 min Scan# 929

Delta R.T. 0.04 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

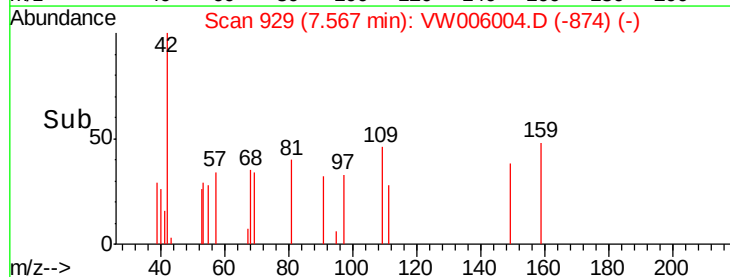
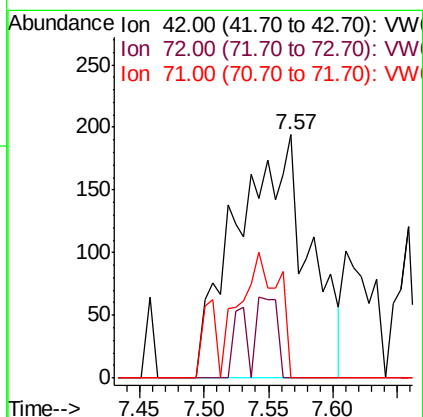
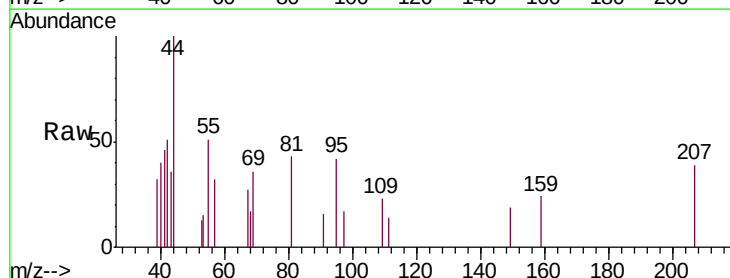
Tgt Ion: 42 Resp: 753

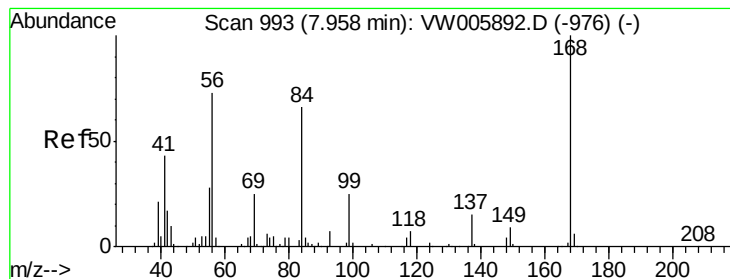
Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.6 49.0#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

RBR200035RE

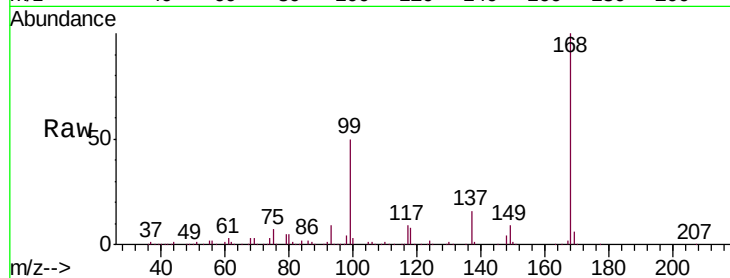
Tgt Ion: 56 Resp: 4039

Ion Ratio Lower Upper

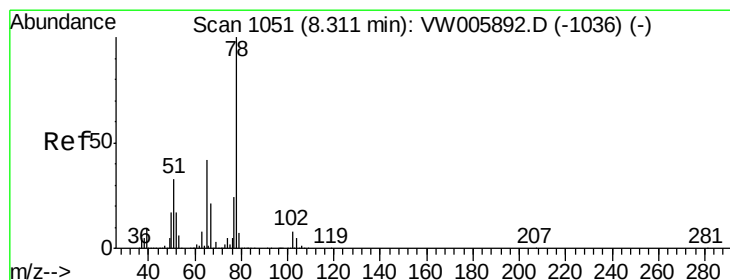
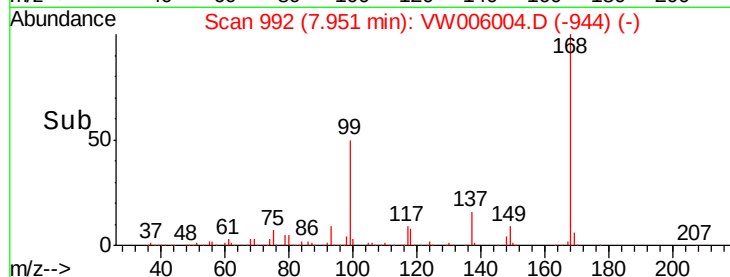
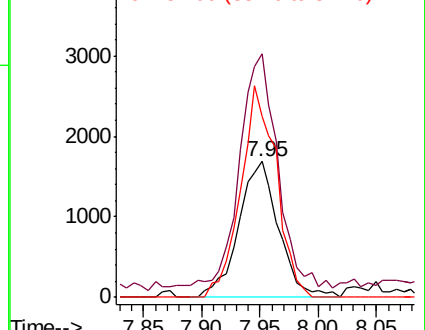
56 100

69 171.0 27.9 41.9#

84 133.3 72.3 108.5#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 52.690 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006004.D

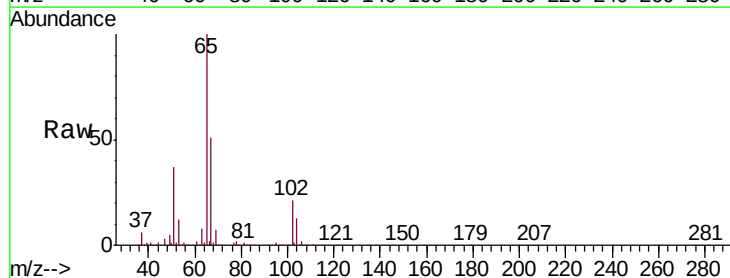
Acq: 10 Oct 2018 23:50

Tgt Ion: 65 Resp: 104864

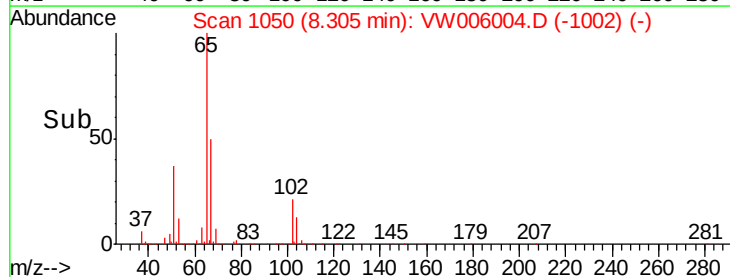
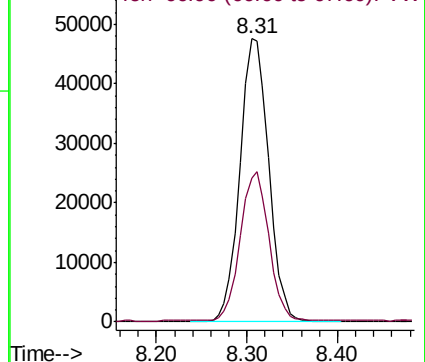
Ion Ratio Lower Upper

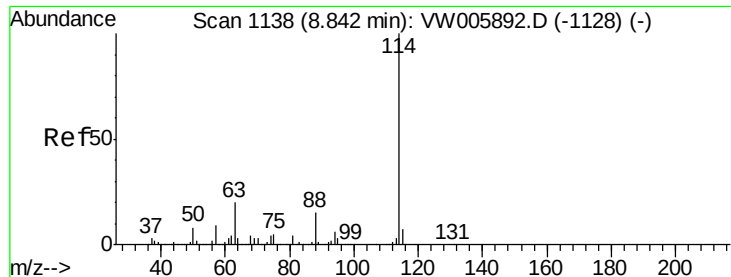
65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

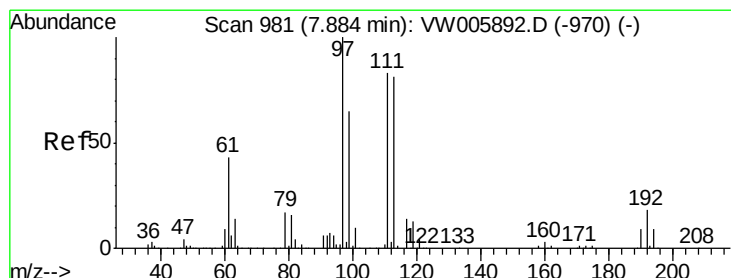
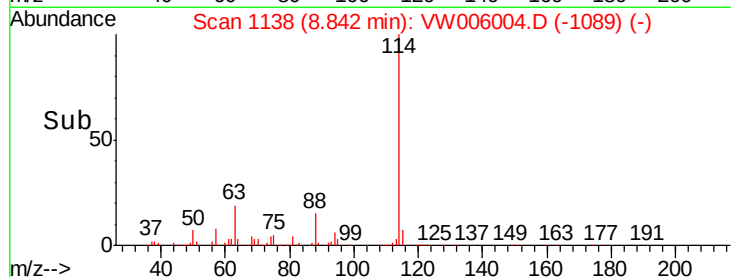
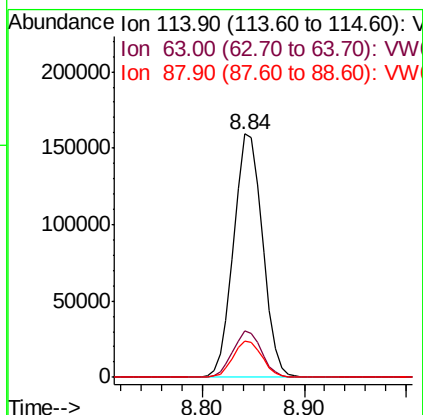
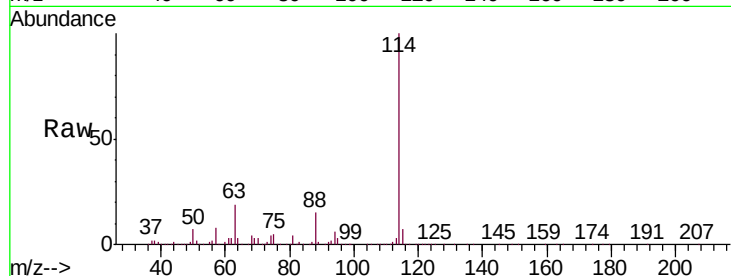




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

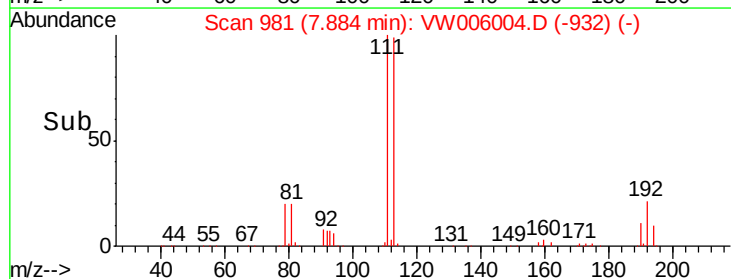
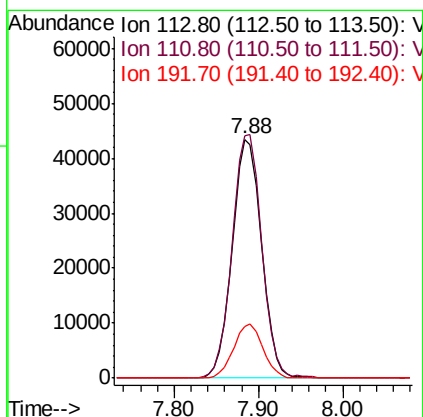
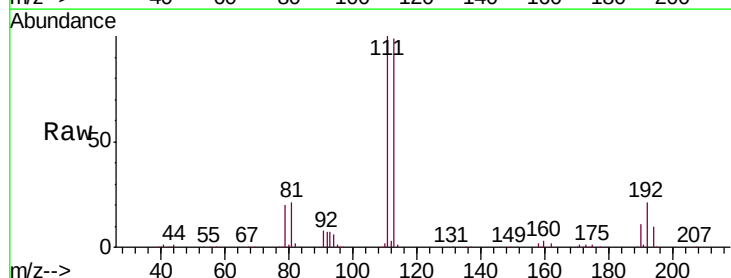
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200035RE

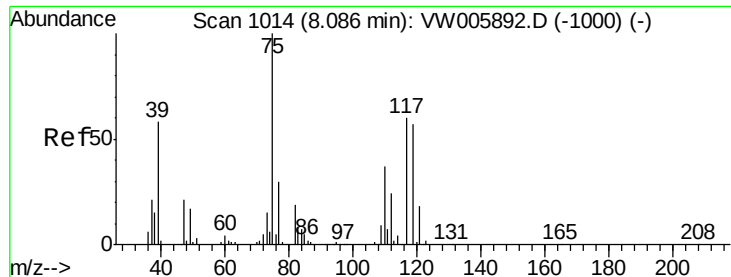
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	15.1	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.989 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	22.4	18.3	27.5

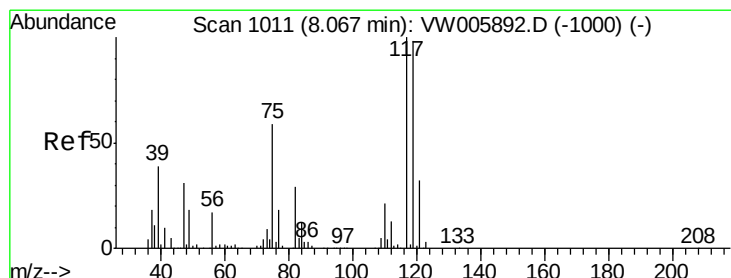
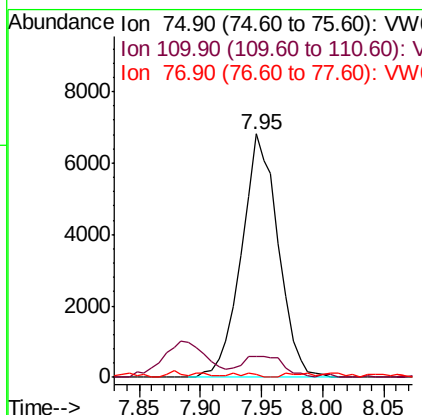
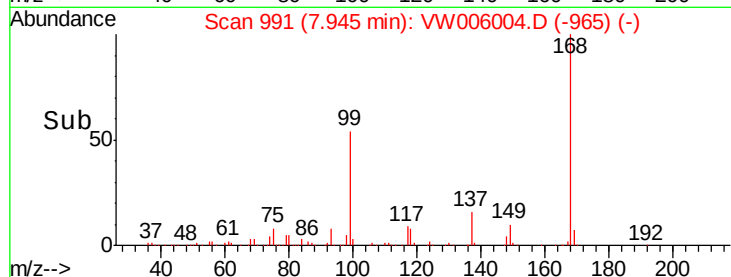
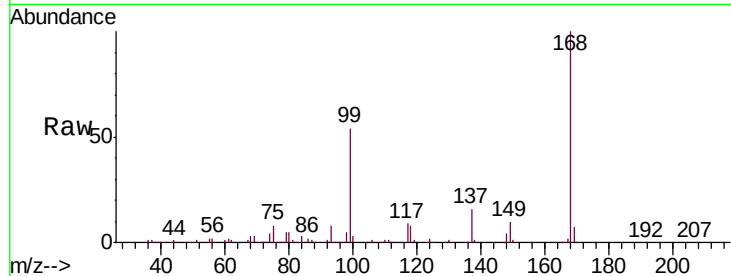




#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

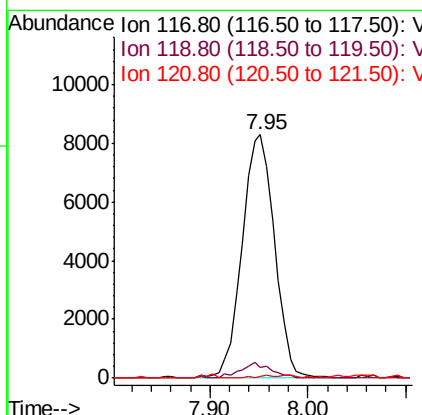
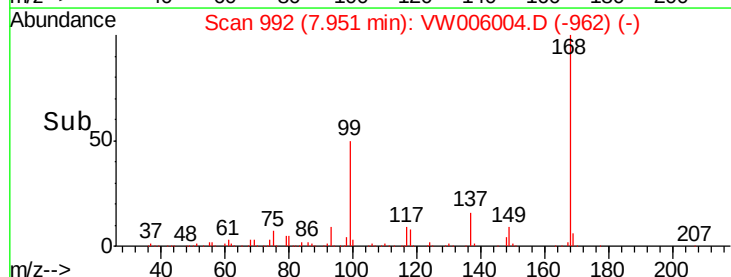
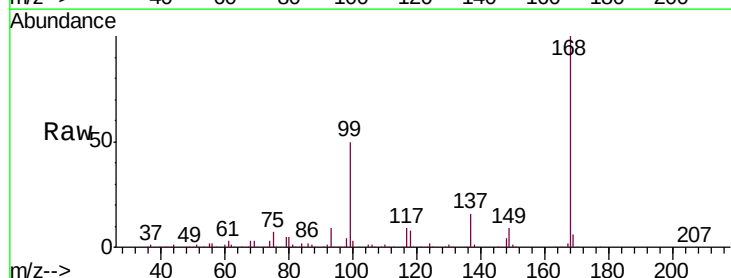
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200035RE

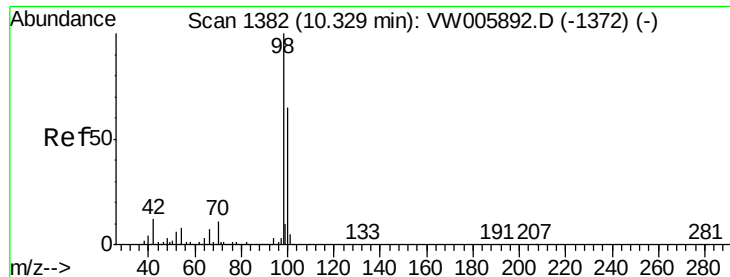
Tgt Ion: 75 Resp: 14179
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.6 56.0#
 77 1.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.905 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

Tgt Ion: 117 Resp: 19052
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.6 117.8#
 121 0.8 25.3 37.9#





#50

Toluene-d8

Concen: 47.773 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

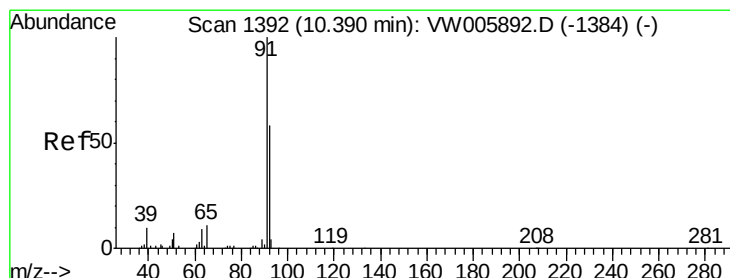
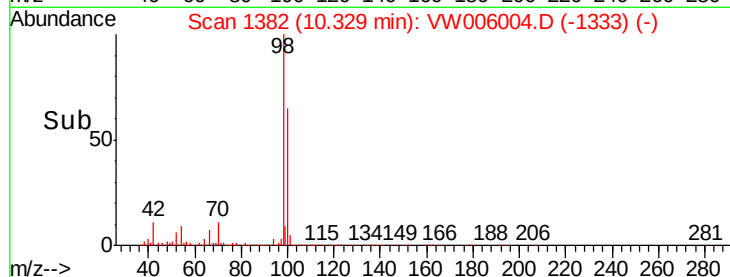
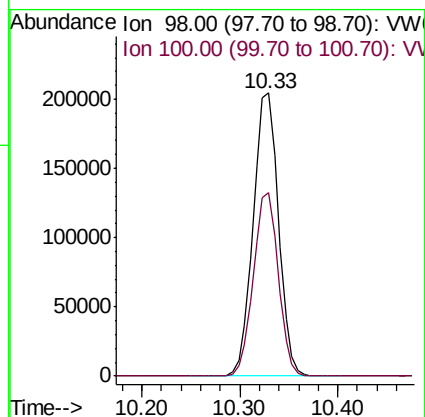
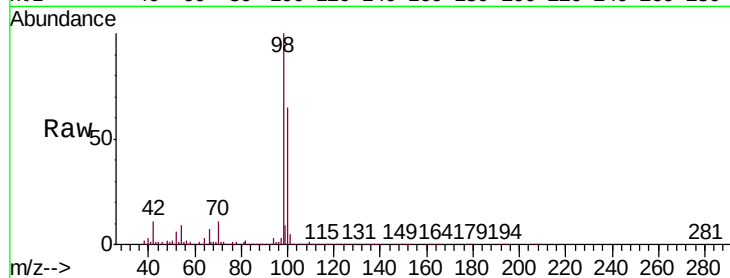
RBR200035RE

Tgt Ion: 98 Resp: 367787

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9



#52

Toluene

Concen: 4.366 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006004.D

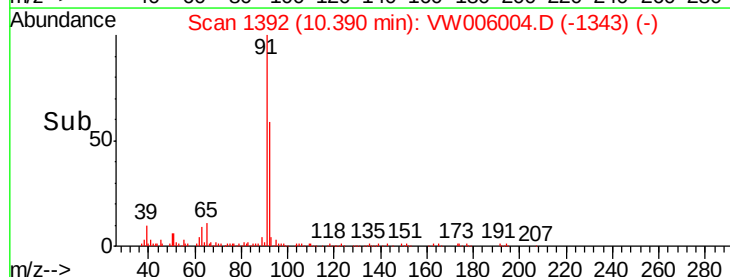
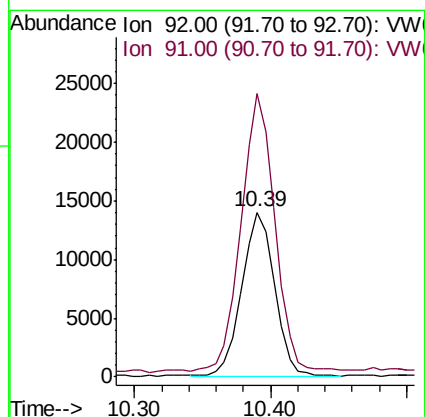
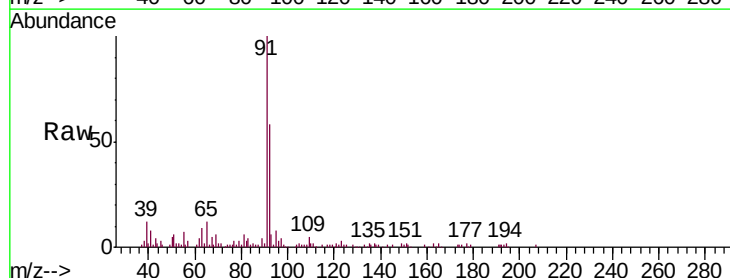
Acq: 10 Oct 2018 23:50

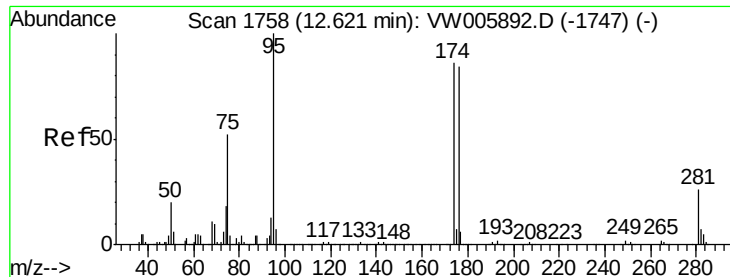
Tgt Ion: 92 Resp: 23577

Ion Ratio Lower Upper

92 100

91 172.7 138.2 207.4

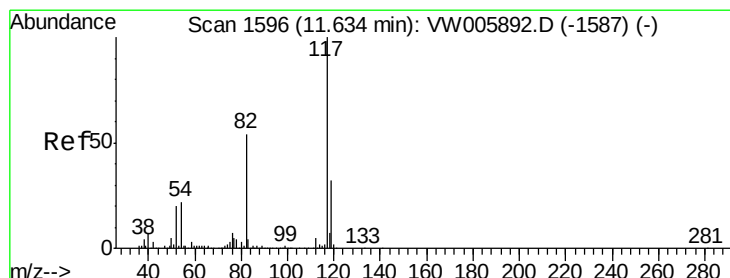
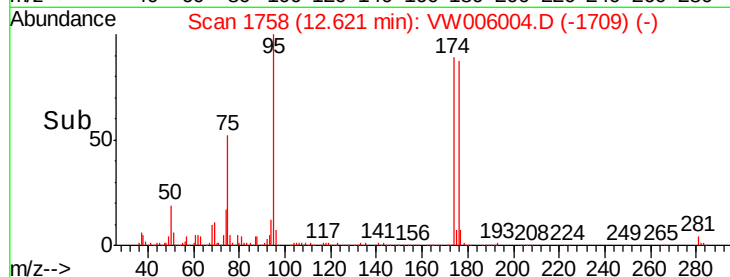
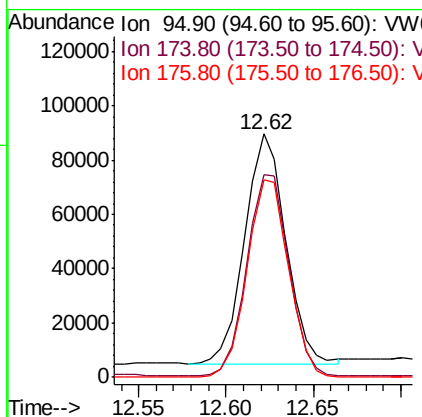
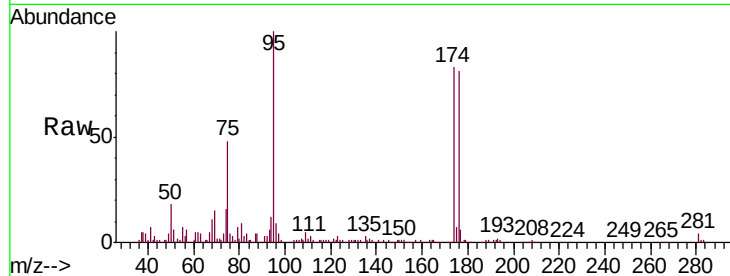




#62
4-Bromofluorobenzene
Concen: 46.861 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006004.D
Acq: 10 Oct 2018 23:50

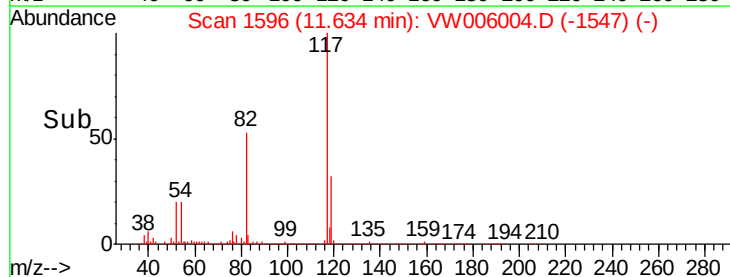
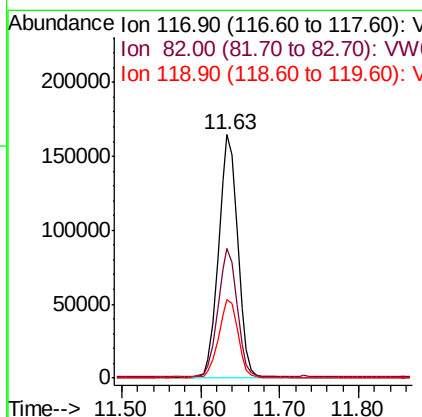
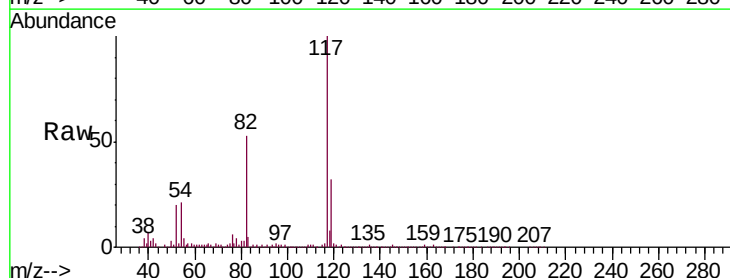
Instrument :
MSVOA_W
ClientSampleId :
RBR200035RE

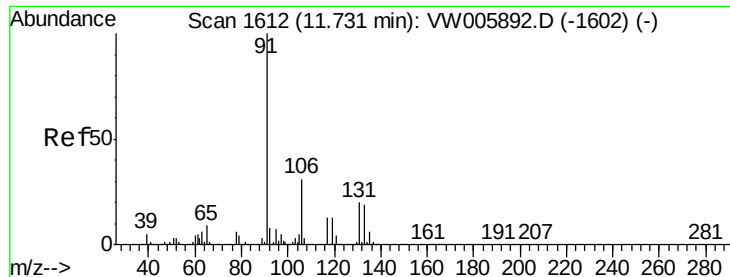
Tgt Ion: 95 Resp: 137257
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.4
176 87.4 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006004.D
Acq: 10 Oct 2018 23:50

Tgt Ion: 117 Resp: 276327
Ion Ratio Lower Upper
117 100
82 52.6 43.5 65.3
119 32.2 25.4 38.2





#67

Ethyl Benzene

Concen: 1.865 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

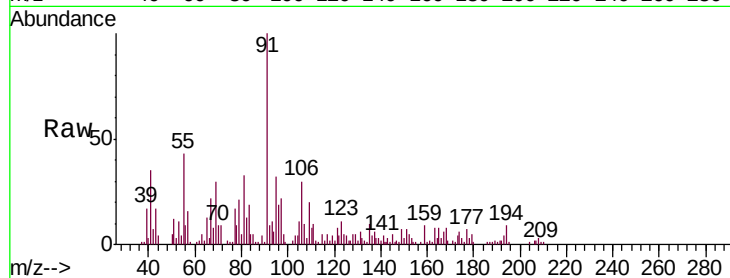
RBR200035RE

Tgt Ion: 91 Resp: 19500

Ion Ratio Lower Upper

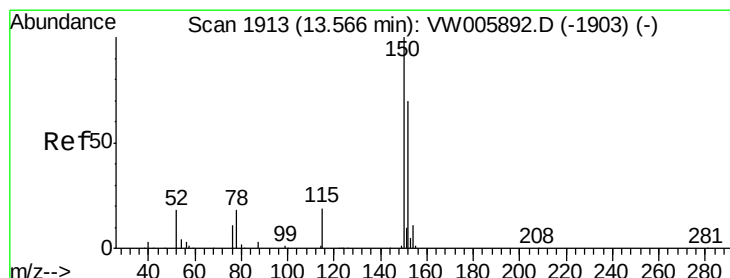
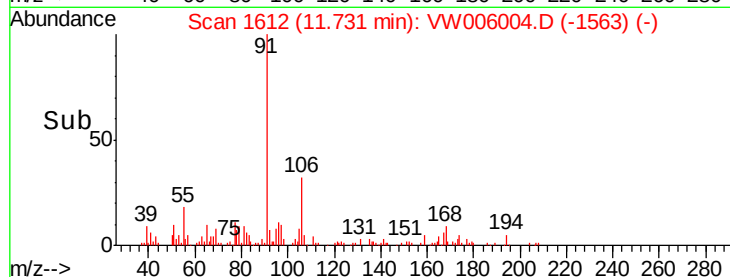
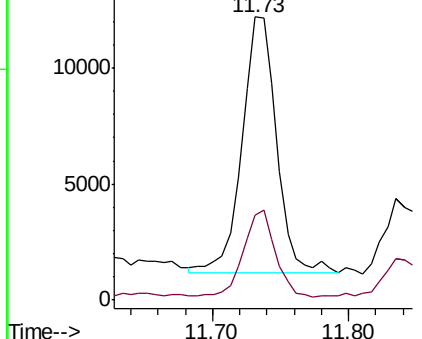
91 100

106 31.6 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

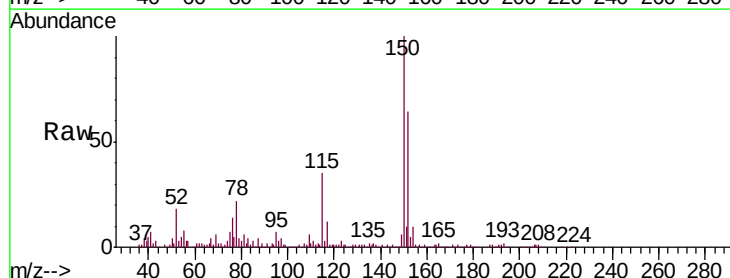
Tgt Ion: 152 Resp: 136888

Ion Ratio Lower Upper

152 100

115 55.5 28.3 85.0

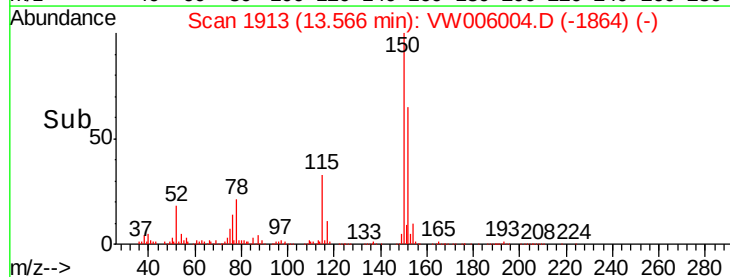
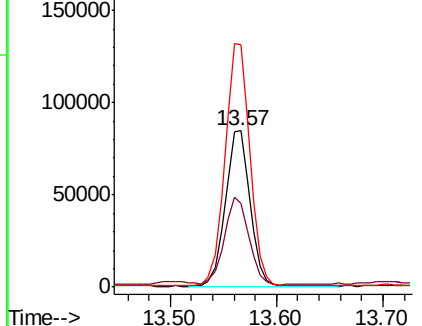
150 155.4 0.0 349.2

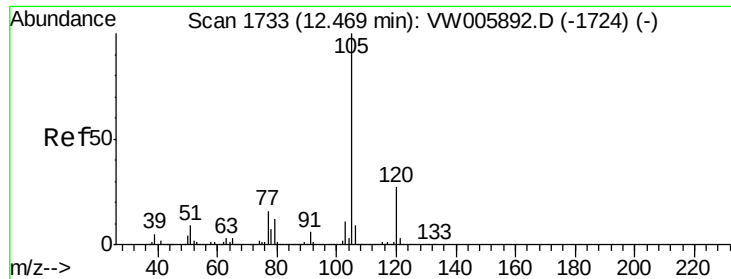


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.809 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

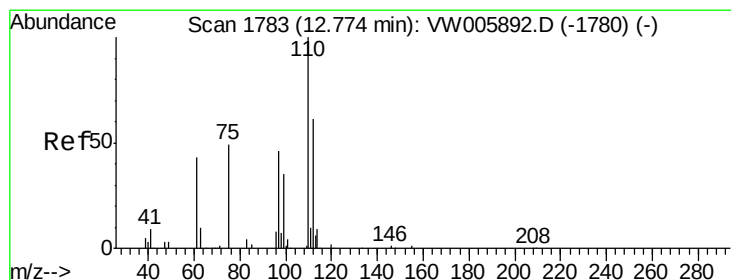
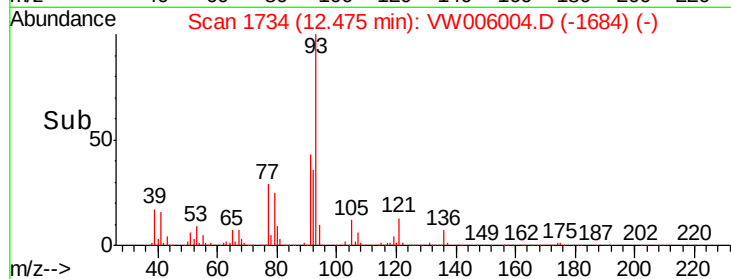
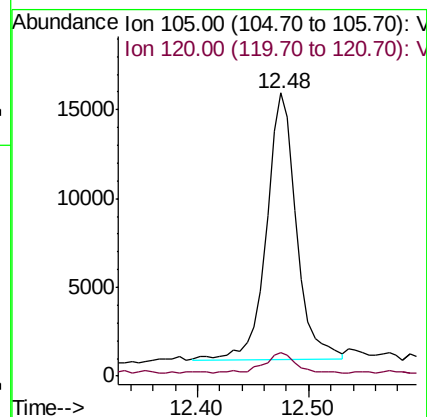
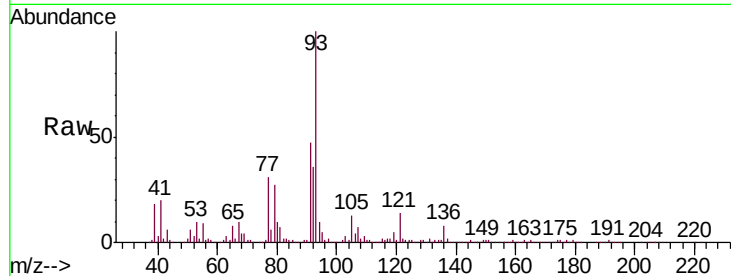
RBR200035RE

Tgt Ion:105 Resp: 28079

Ion Ratio Lower Upper

105 100

120 8.4 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 56.376 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006004.D

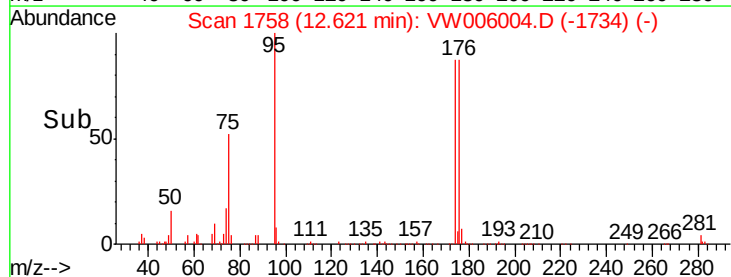
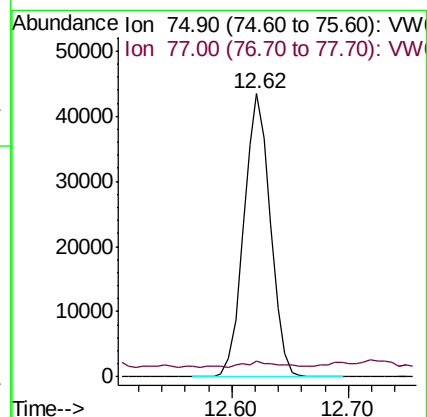
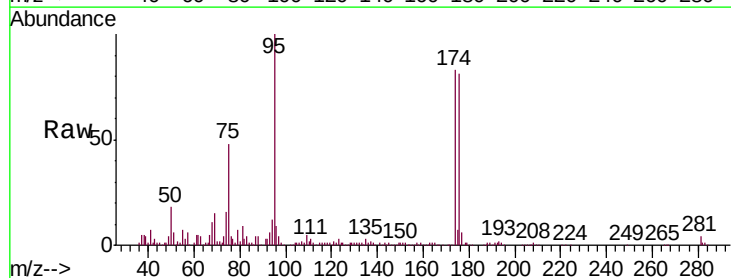
Acq: 10 Oct 2018 23:50

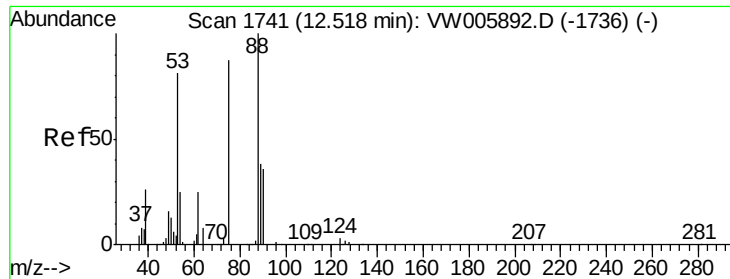
Tgt Ion: 75 Resp: 68936

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.016 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006004.D

Acq: 10 Oct 2018 23:50

Instrument :

MSVOA_W

ClientSampleId :

RBR200035RE

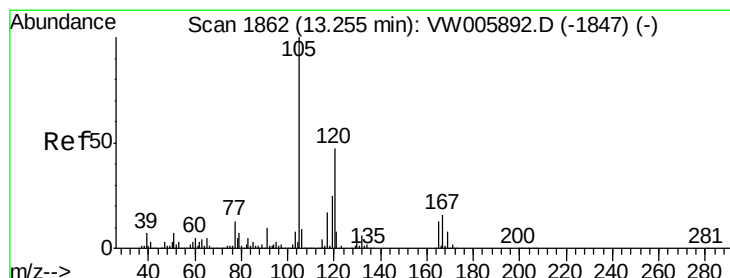
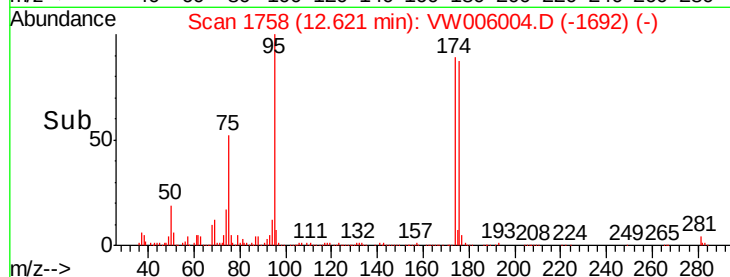
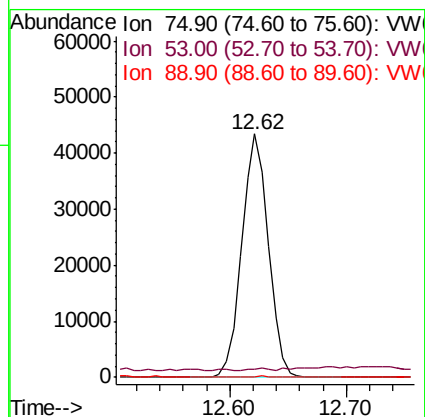
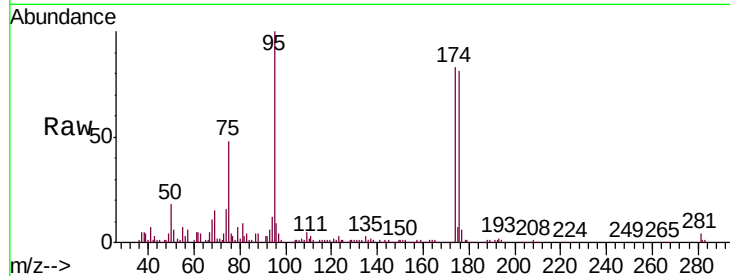
Tgt Ion: 75 Resp: 68936

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.4 37.6 56.4#



#84

1,2,4-Trimethylbenzene

Concen: 2.473 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006004.D

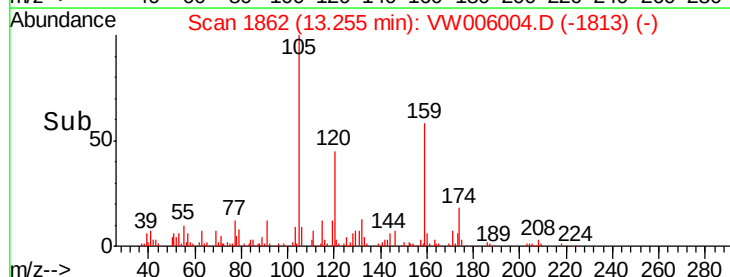
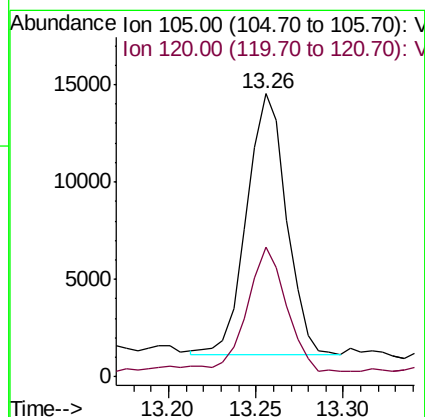
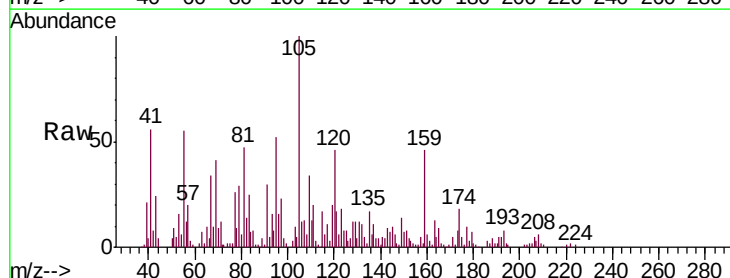
Acq: 10 Oct 2018 23:50

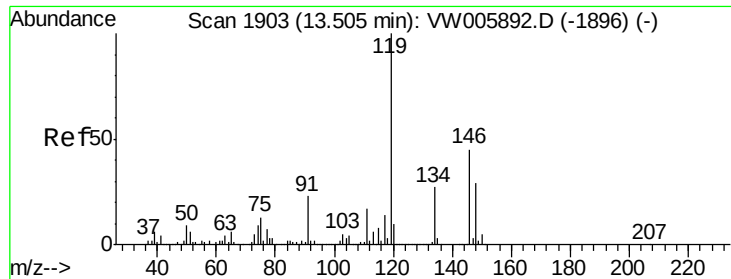
Tgt Ion: 105 Resp: 21054

Ion Ratio Lower Upper

105 100

120 46.1 22.8 68.3

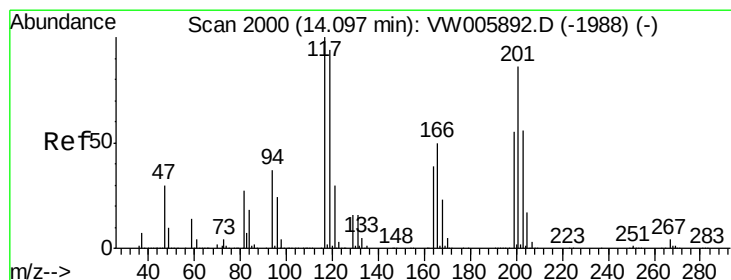
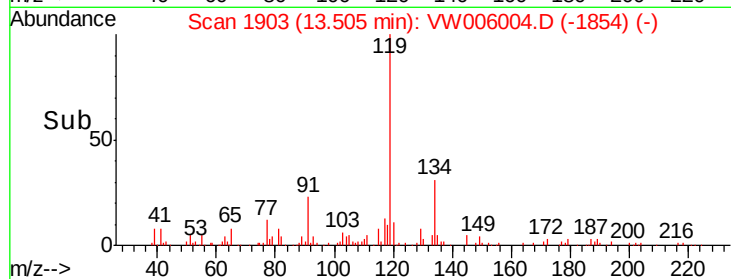
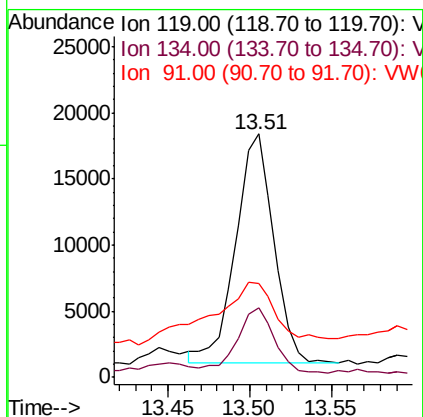
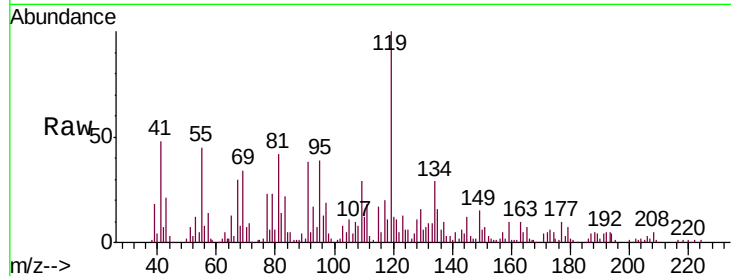




#86
 p-Isopropyltoluene
 Concen: 2.982 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

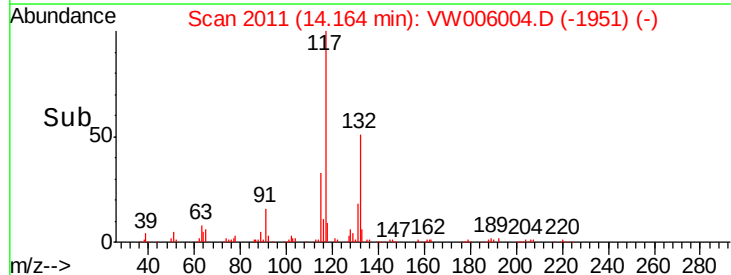
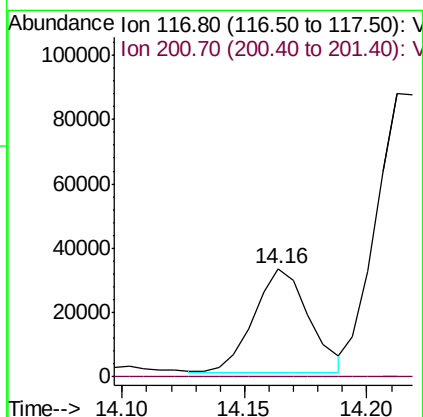
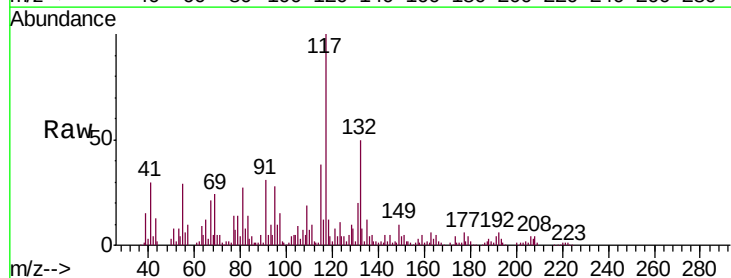
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200035RE

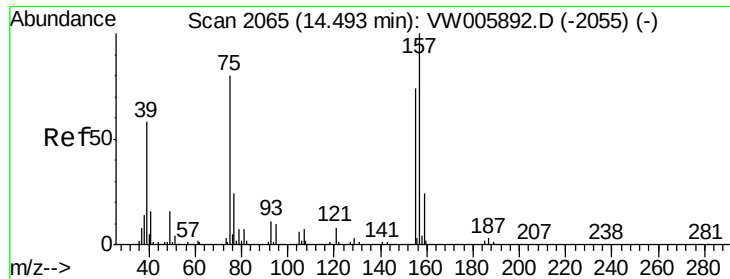
Tgt Ion:119 Resp: 28257
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.5 40.5
 91 44.6 11.9 35.5#



#90
 Hexachloroethane
 Concen: 28.695 ug/l
 RT: 14.16 min Scan# 2011
 Delta R.T. 0.07 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

Tgt Ion:117 Resp: 51141
 Ion Ratio Lower Upper
 117 100
 201 0.5 44.5 133.5#

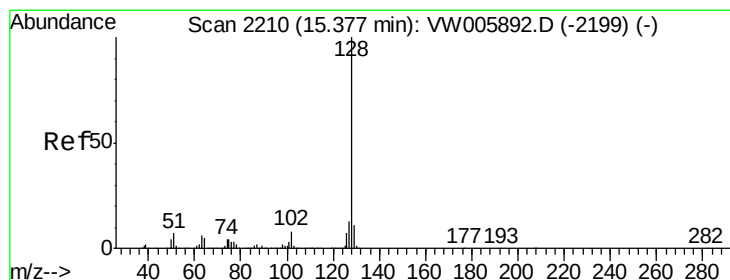
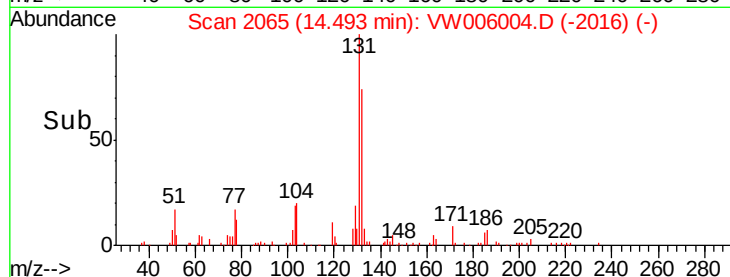
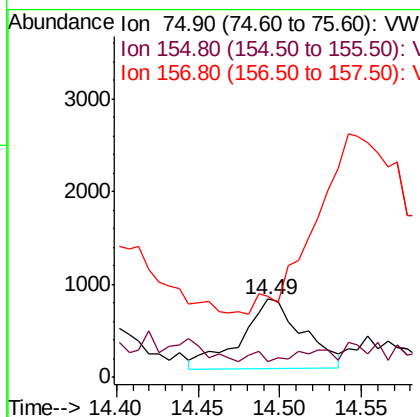
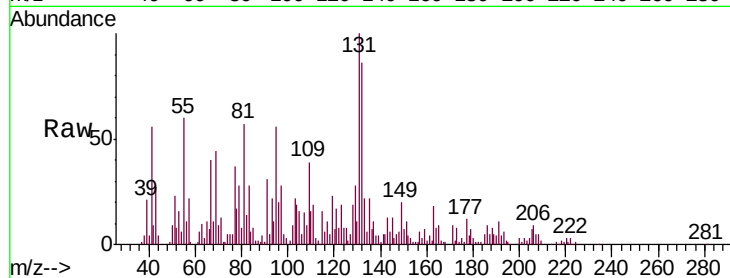




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.520 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200035RE

Tgt Ion: 75 Resp: 1991
 Ion Ratio Lower Upper
 75 100
 155 3.4 44.8 134.3#
 157 0.0 58.9 176.6#



#95
 Naphthalene
 Concen: 347.604 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW006004.D
 Acq: 10 Oct 2018 23:50

Tgt Ion: 128 Resp: 1940829
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.5 15.7
 129 11.7 8.9 13.3

