

Data File : VW008256.D
Acq On : 14 Jan 2019 19:18
Operator : SY/VA
Sample : K1128-03RE
Misc : 4.67G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

Quant Time: Jan 14 21:17:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	92393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53896	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.88	113	51705	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	10.32	98	201058	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	65492	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

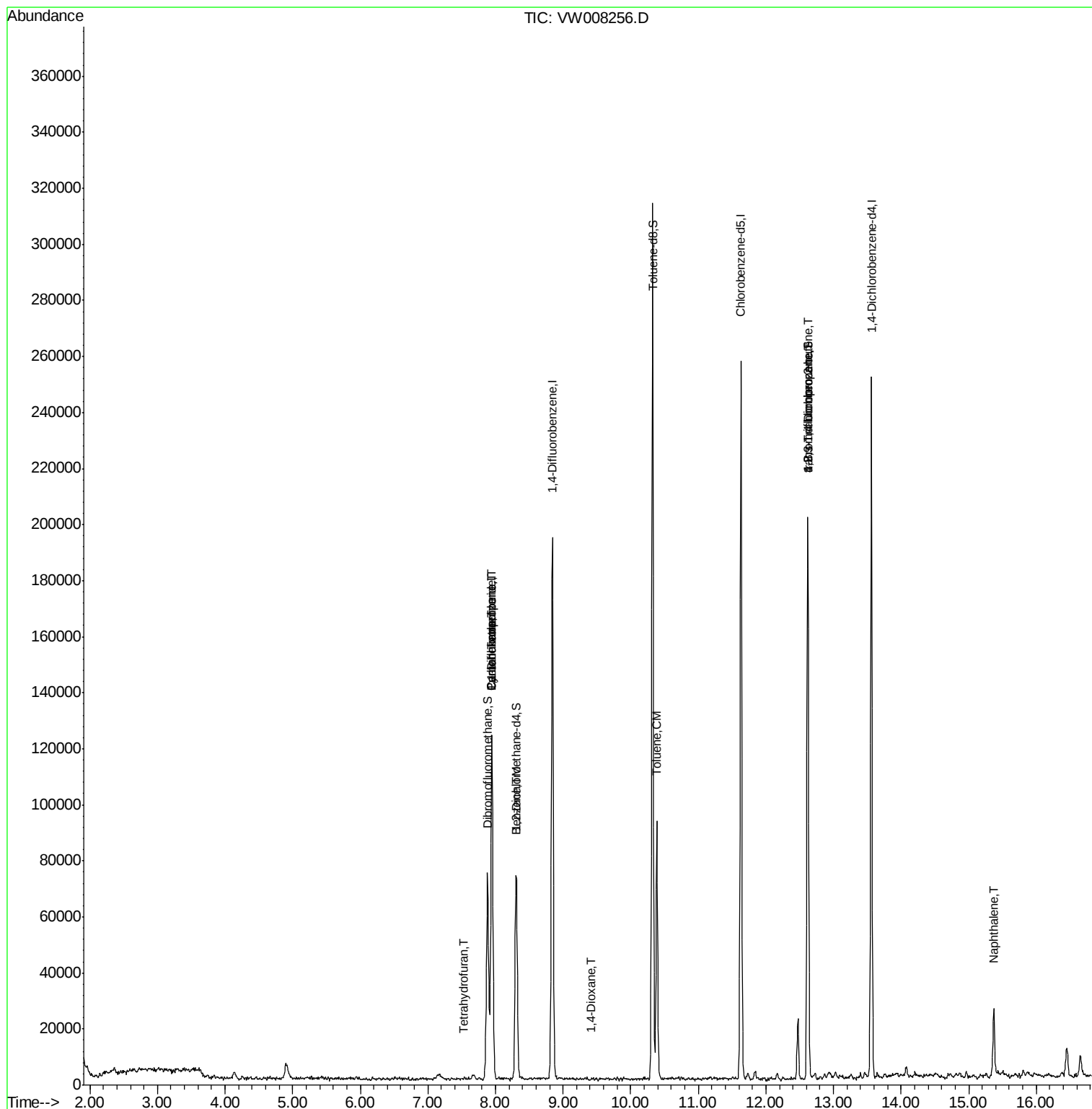
						Qvalue
11) Tert butyl alcohol	5.22	59	262	Below Cal	#	100
20) Methylene Chloride	4.90	84	4507	Below Cal		86
29) Tetrahydrofuran	7.52	42	277	1.435	ug/l #	41
31) Cyclohexane	7.95	56	2452	1.122	ug/l #	17
36) 1,1-Dichloropropene	7.94	75	7400	4.375	ug/l #	47
38) Carbon Tetrachloride	7.95	117	9690	6.259	ug/l #	16
40) Benzene	8.32	78	6981	1.522	ug/l	99
49) 1,4-Dioxane	9.42	88	64	7.123	ug/l #	99
52) Toluene	10.38	92	39242	13.393	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	32309	57.156	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32309	133.098	ug/l #	11
95) Naphthalene	15.37	128	20839	9.166	ug/l	97

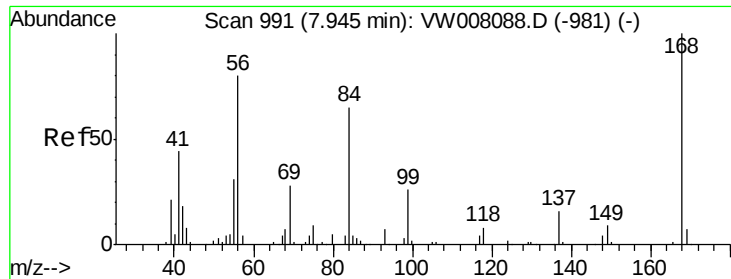
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

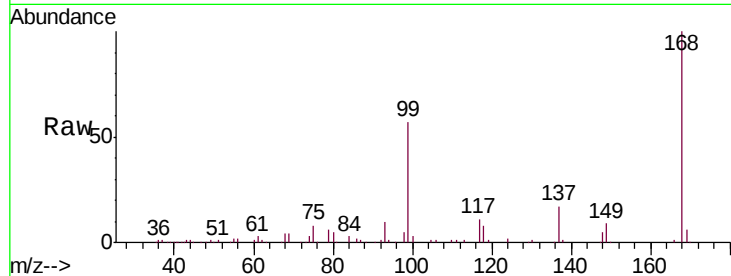
RBR-200036

Tgt Ion:168 Resp: 92393

Ion Ratio Lower Upper

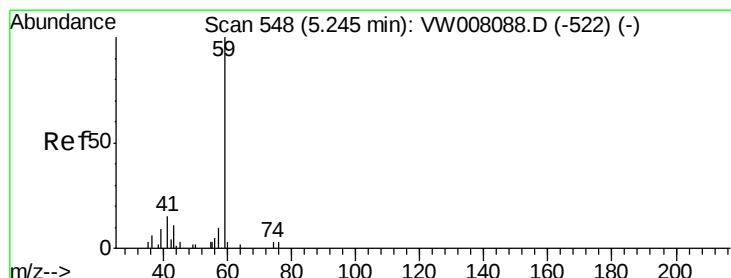
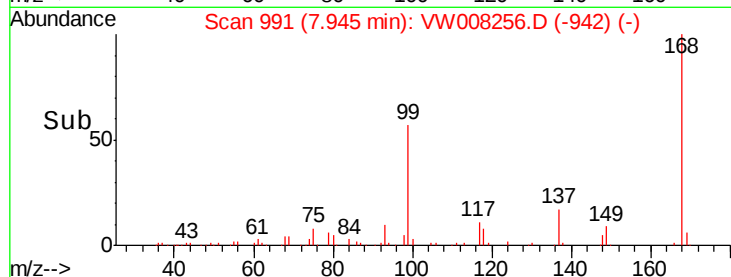
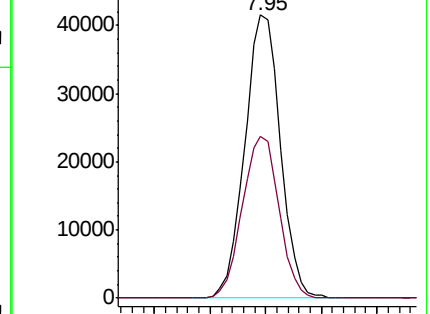
168 100

99 57.0 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. -0.02 min

Lab File: VW008256.D

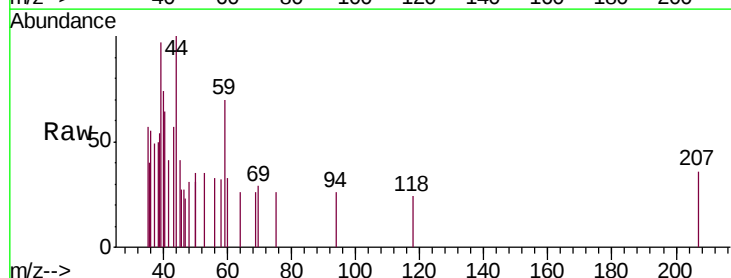
Acq: 14 Jan 2019 19:18

Tgt Ion: 59 Resp: 262

Ion Ratio Lower Upper

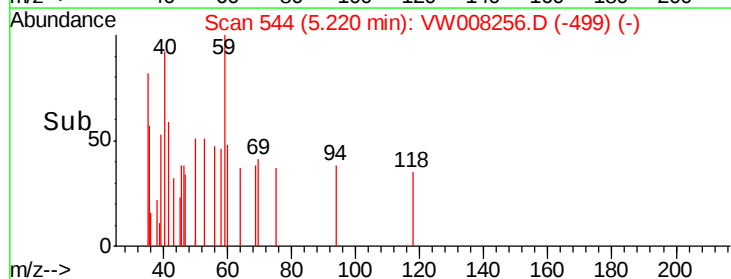
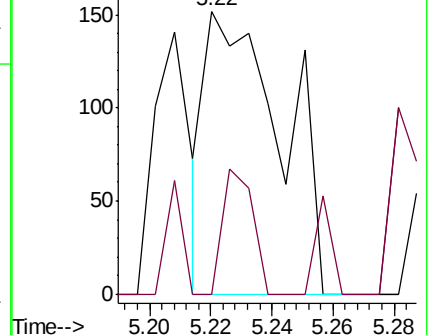
59 100

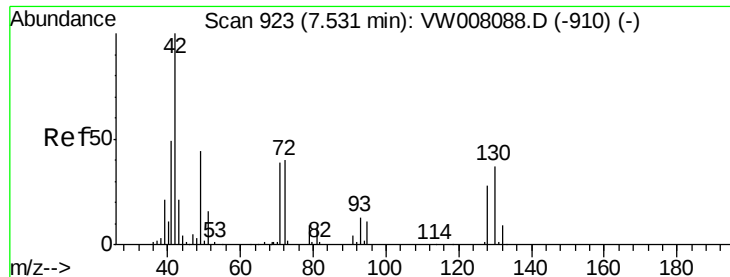
57 17.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

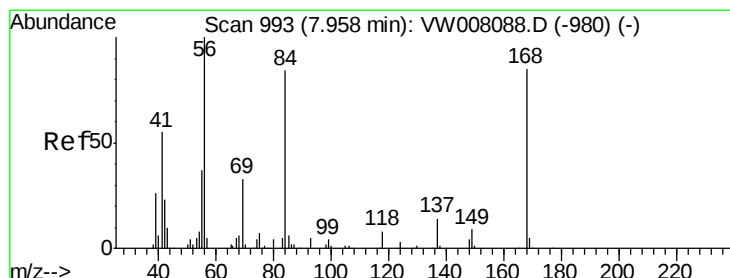
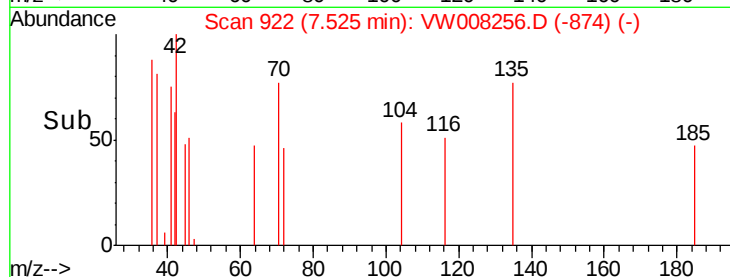
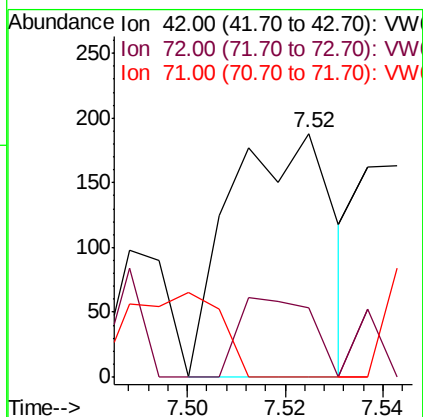
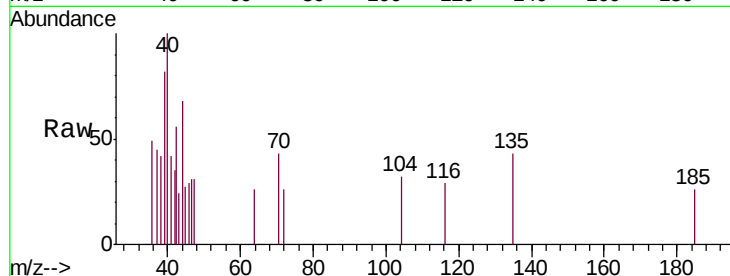




#29
Tetrahydrofuran
Concen: 1.435 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

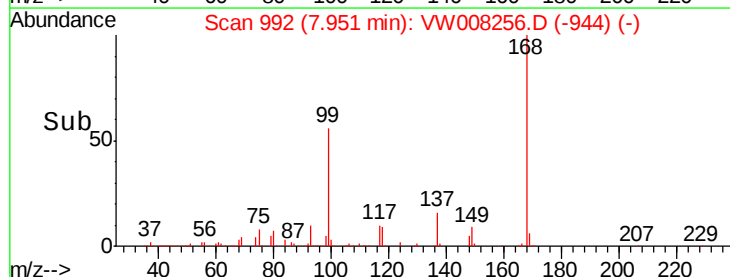
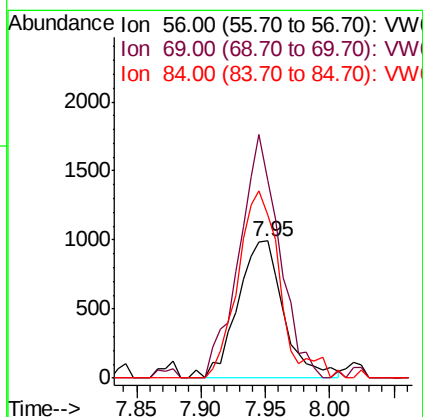
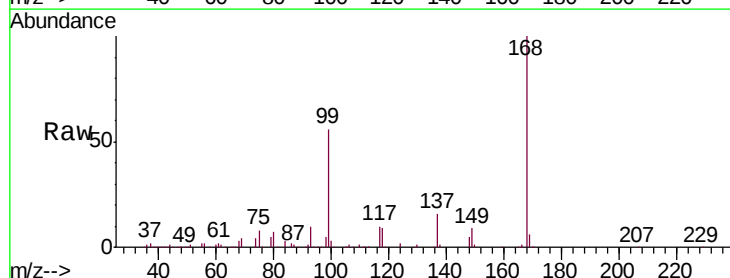
Instrument :
MSVOA_W
ClientSampled :
RBR-200036

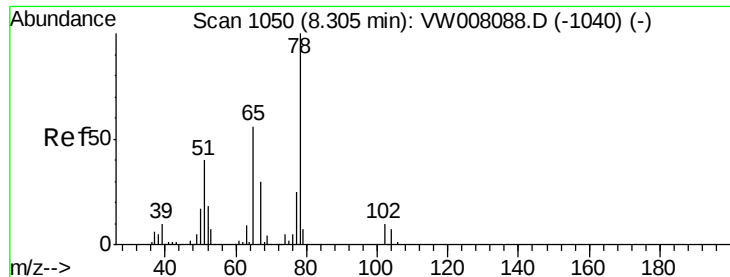
Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 6.9 32.4 48.6#
71 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

Tgt Ion: 56 Resp: 2452
Ion Ratio Lower Upper
56 100
69 144.0 26.2 39.4#
84 119.0 67.4 101.2#

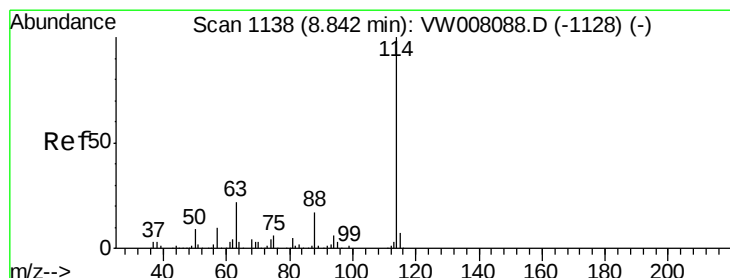
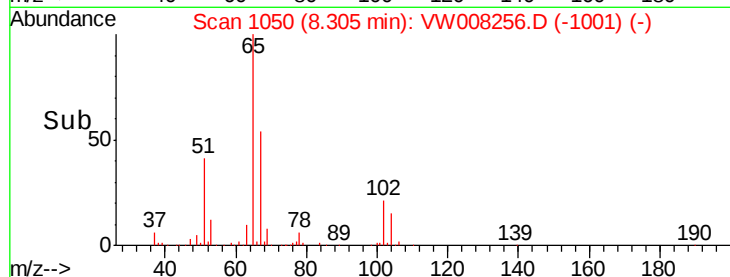
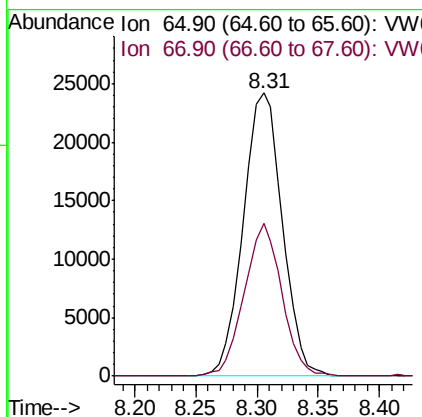
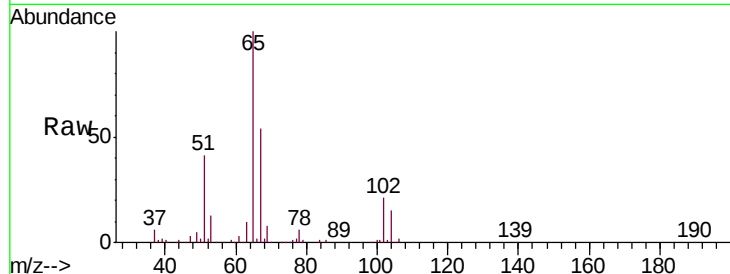




#33
 1,2-Dichloroethane-d4
 Concen: 51.902 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008256.D
 Acq: 14 Jan 2019 19:18

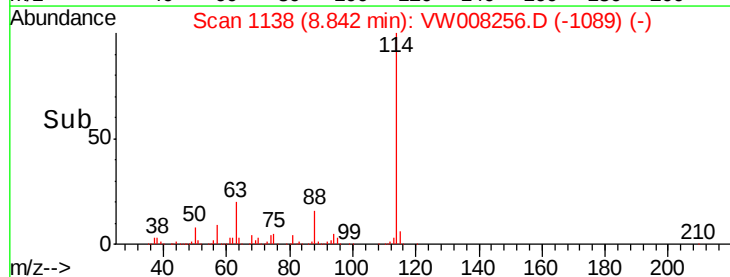
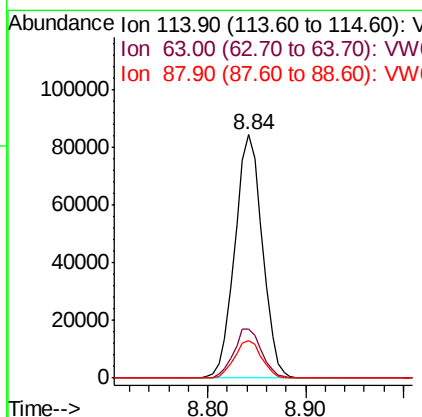
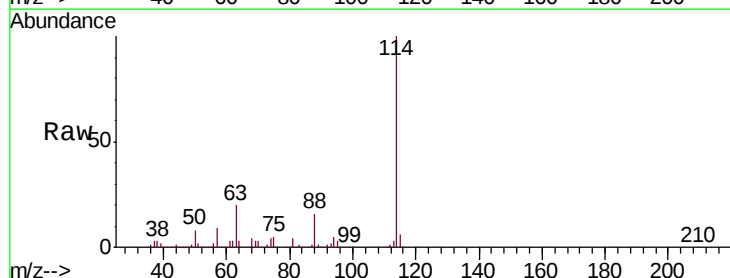
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200036

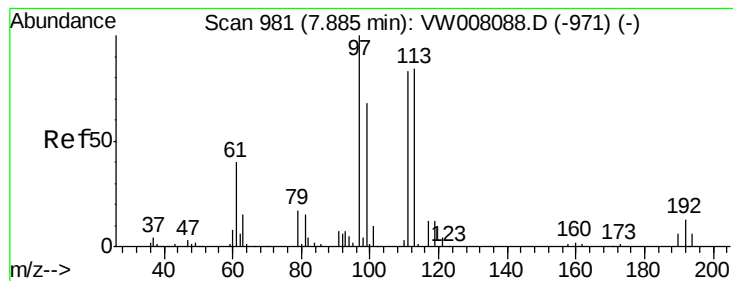
Tgt Ion: 65 Resp: 53896
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008256.D
 Acq: 14 Jan 2019 19:18

Tgt Ion: 114 Resp: 164208
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.4
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.987 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

RBR-200036

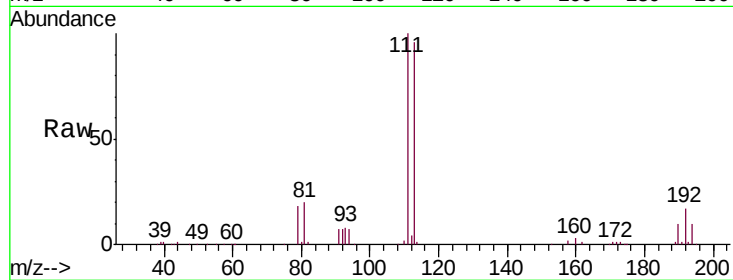
Tgt Ion:113 Resp: 51705

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

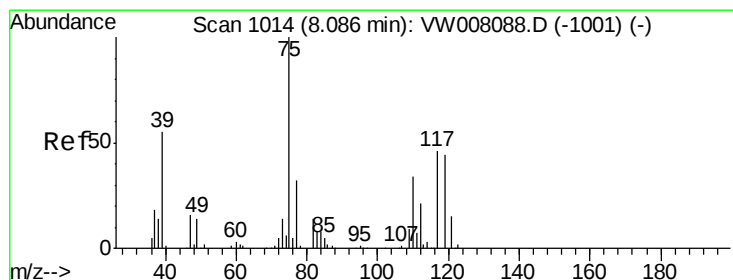
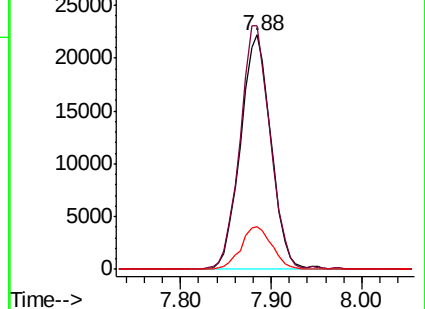
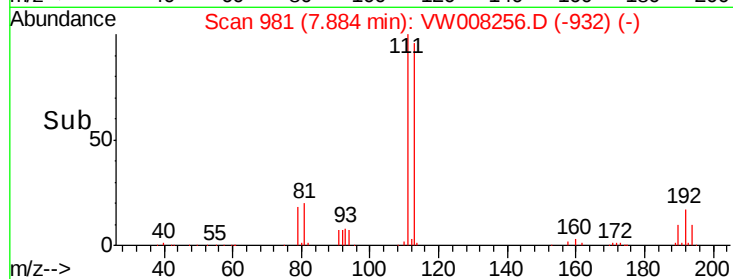
192 18.6 12.8 19.2



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



#36

1,1-Dichloropropene

Concen: 4.375 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.15 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

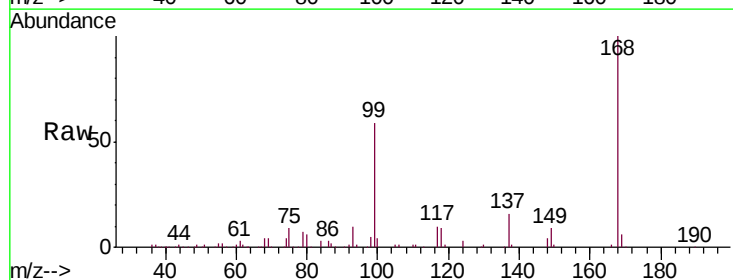
Tgt Ion: 75 Resp: 7400

Ion Ratio Lower Upper

75 100

110 6.5 17.1 51.3#

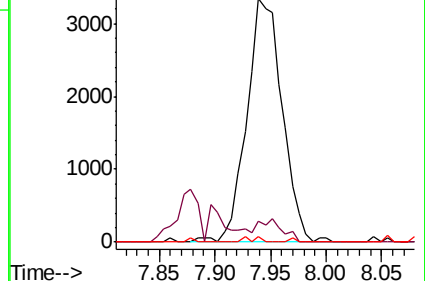
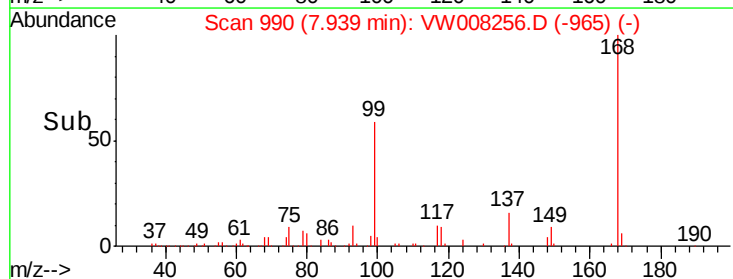
77 0.0 25.5 38.3#

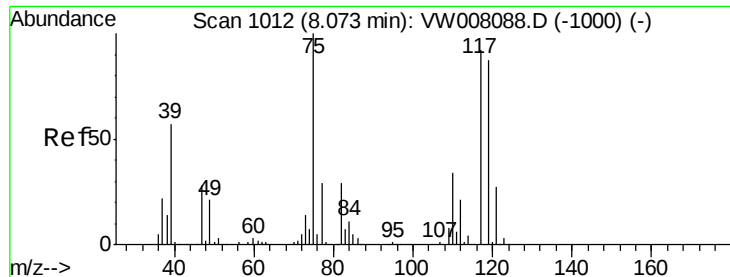


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

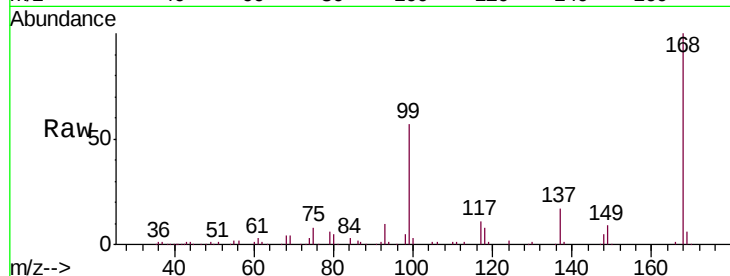




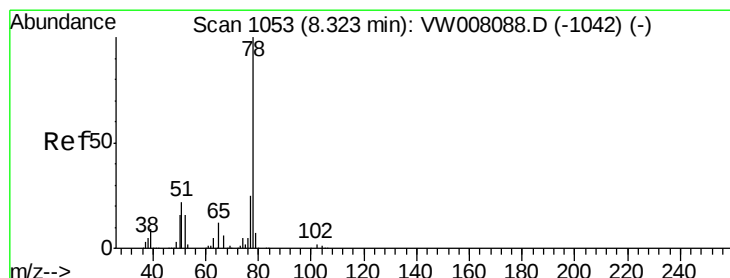
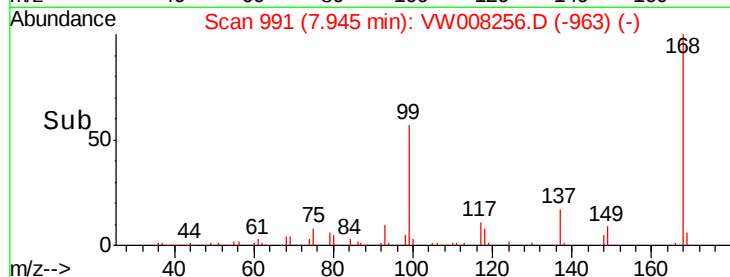
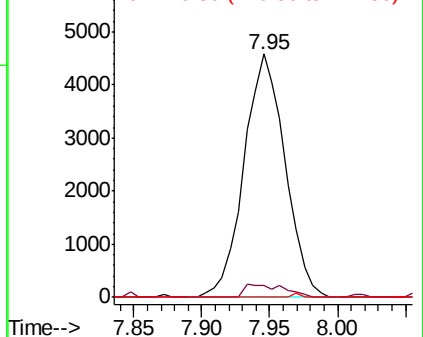
#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

Tgt Ion:117 Resp: 9690
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 23.7 35.5#

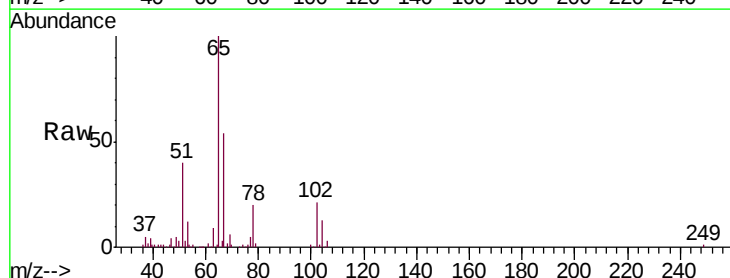


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

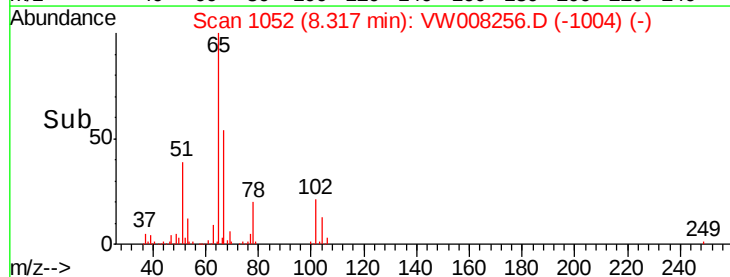
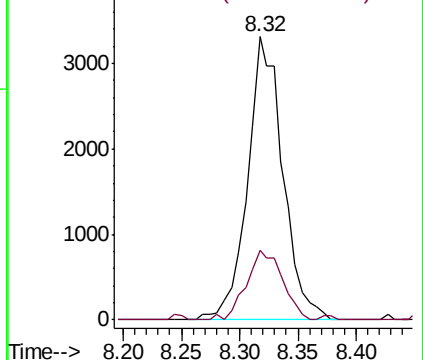


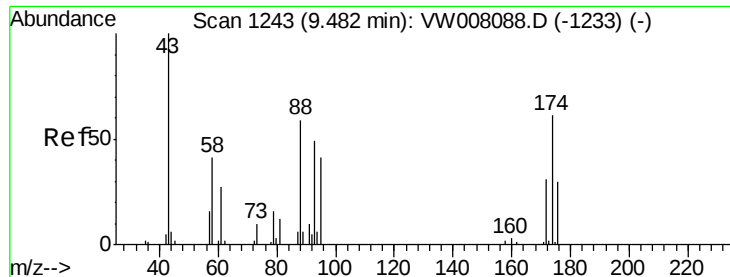
#40
Benzene
Concen: 1.522 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

Tgt Ion: 78 Resp: 6981
Ion Ratio Lower Upper
78 100
77 24.7 20.2 30.4



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#49

1,4-Dioxane

Concen: 7.123 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.06 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampled :

RBR-200036

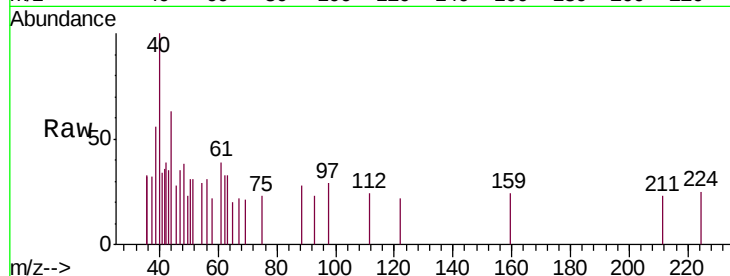
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 264.1 0.0 0.0#

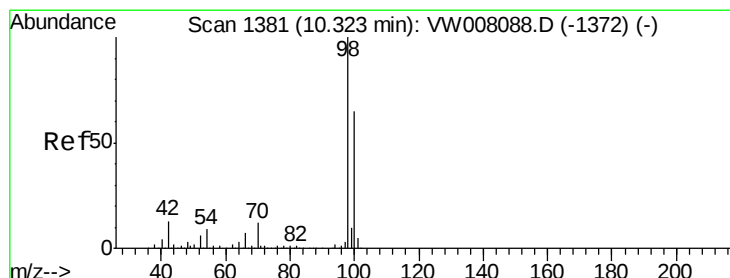
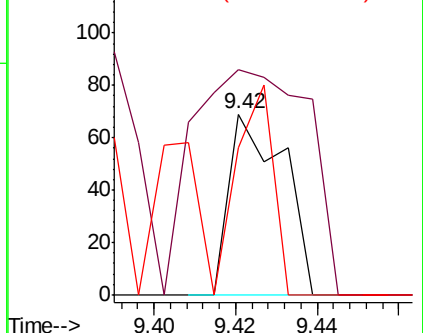
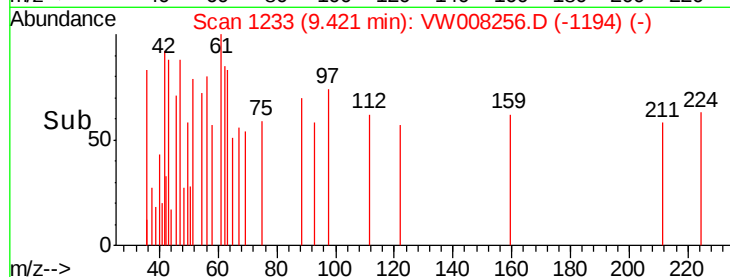
58 78.1 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.027 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008256.D

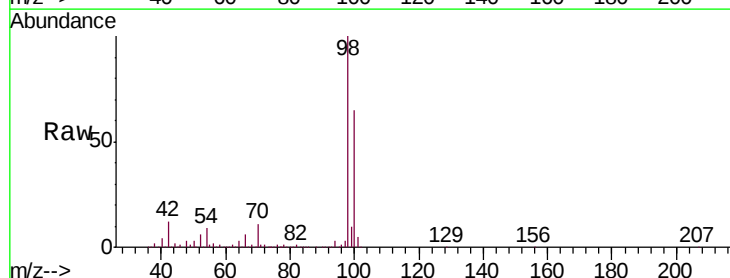
Acq: 14 Jan 2019 19:18

Tgt Ion: 98 Resp: 201058

Ion Ratio Lower Upper

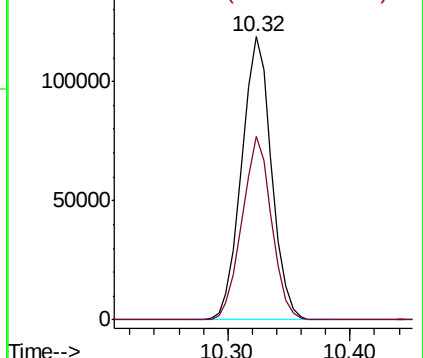
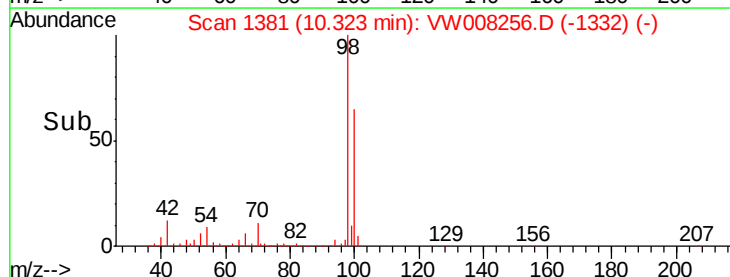
98 100

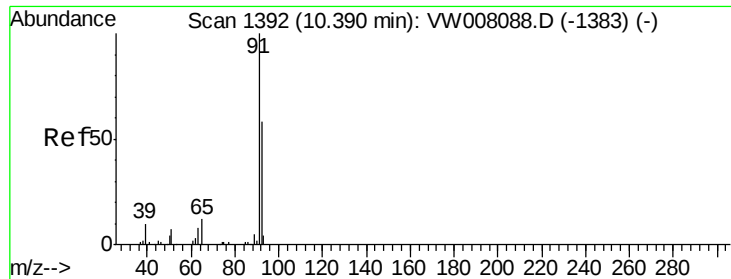
100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 13.393 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

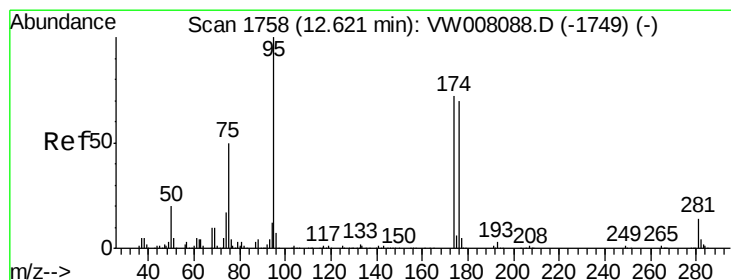
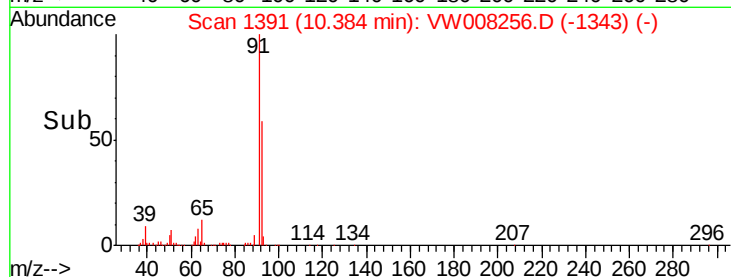
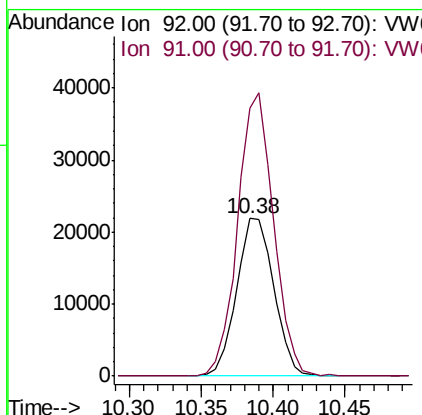
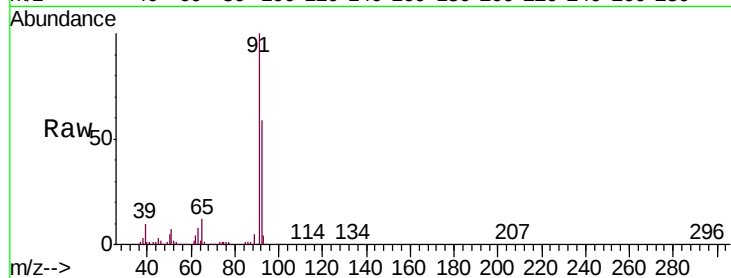
RBR-200036

Tgt Ion: 92 Resp: 39242

Ion Ratio Lower Upper

92 100

91 173.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 45.455 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

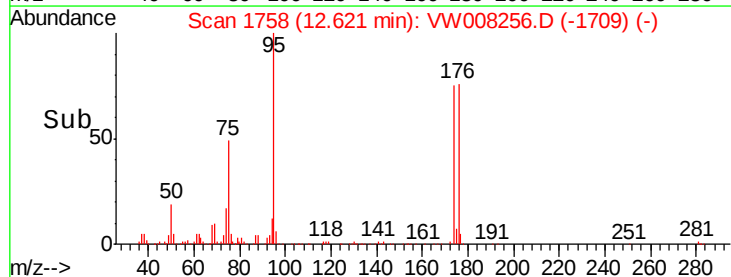
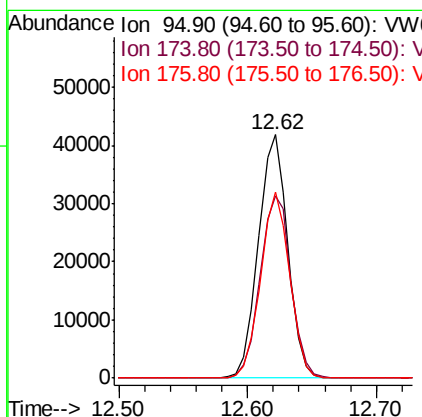
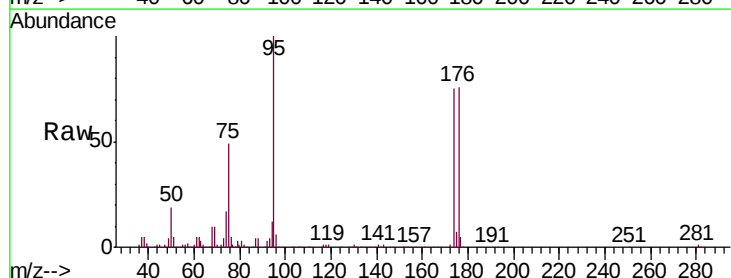
Tgt Ion: 95 Resp: 65492

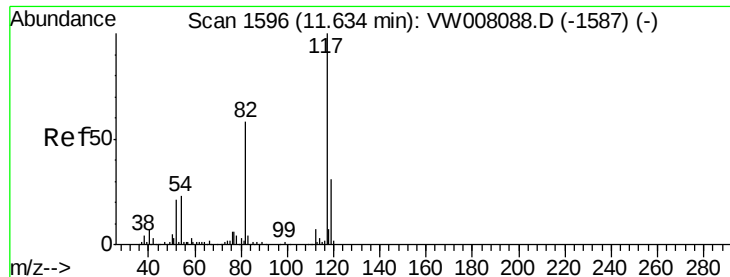
Ion Ratio Lower Upper

95 100

174 78.9 0.0 143.0

176 76.0 0.0 140.2

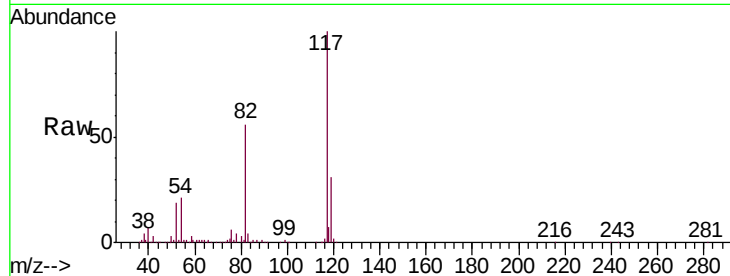




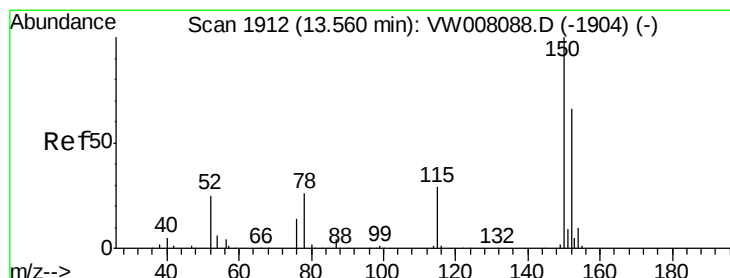
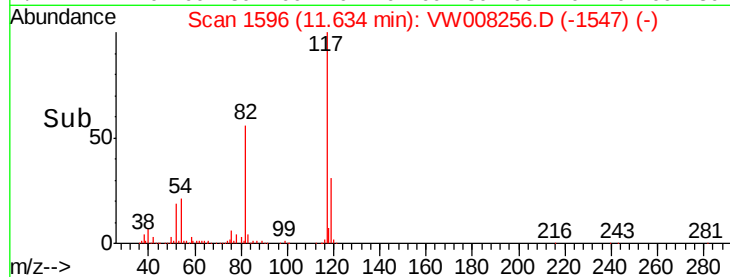
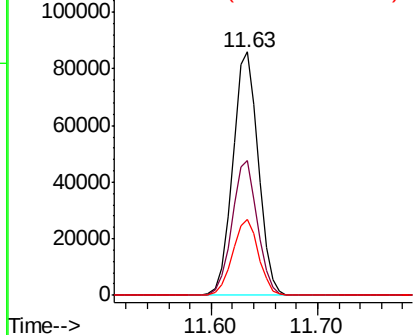
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

Tgt Ion:117 Resp: 144313
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 31.1 24.7 37.1

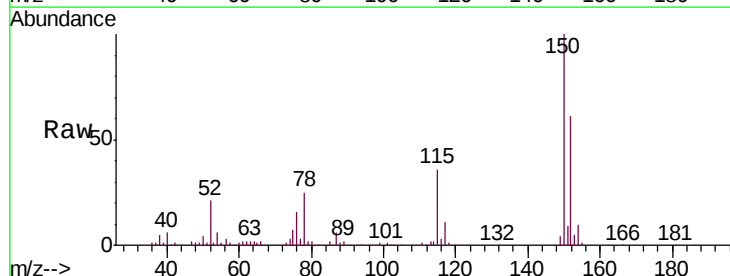


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

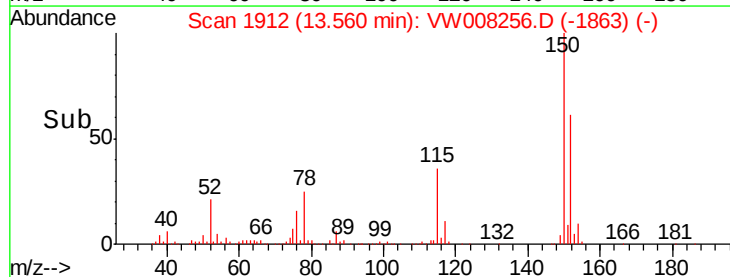
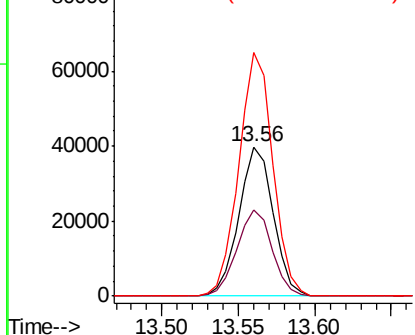


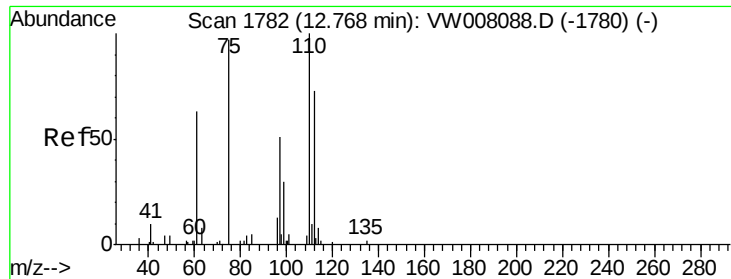
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008256.D
Acq: 14 Jan 2019 19:18

Tgt Ion:152 Resp: 62009
Ion Ratio Lower Upper
152 100
115 59.4 30.8 92.4
150 161.4 0.0 350.2



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





#76

1,2,3-Trichloropropane

Concen: 57.156 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

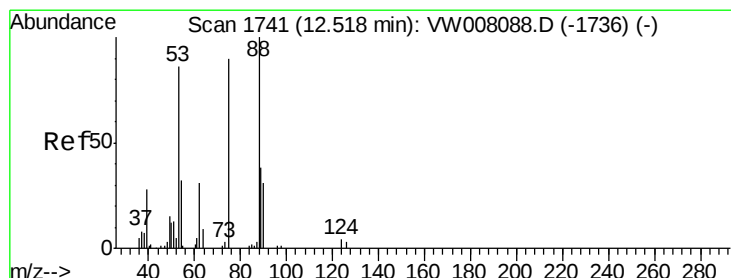
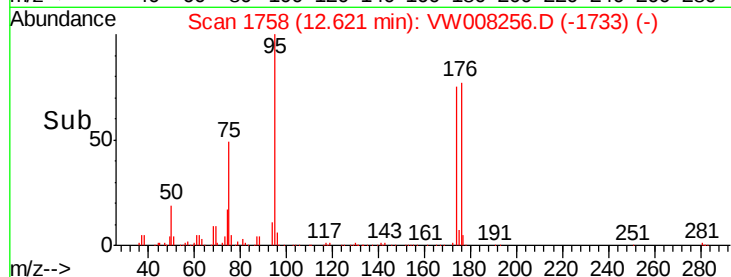
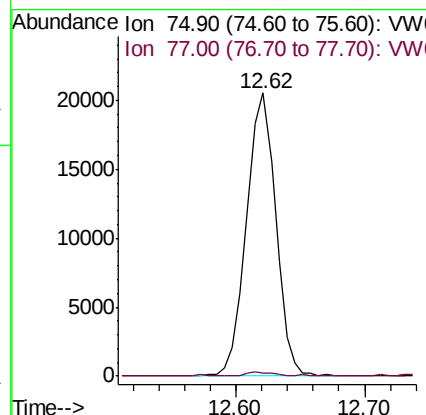
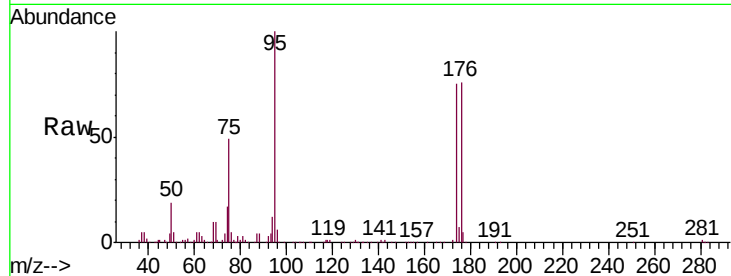
RBR-200036

Tgt Ion: 75 Resp: 32309

Ion Ratio Lower Upper

75 100

77 1.5 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

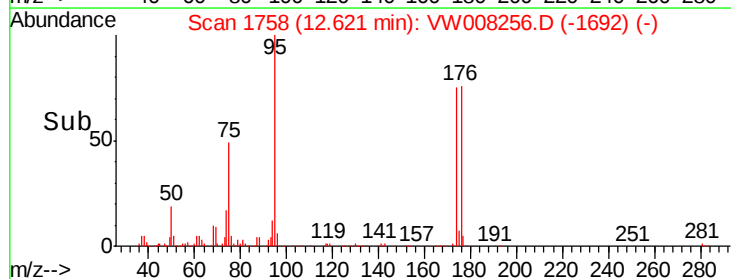
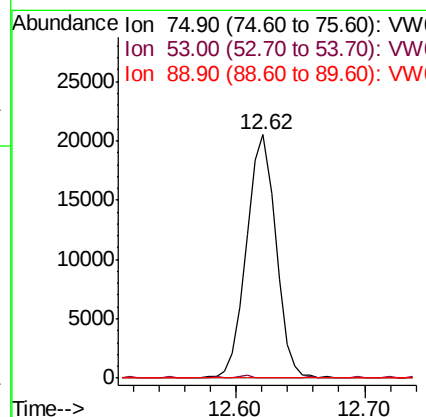
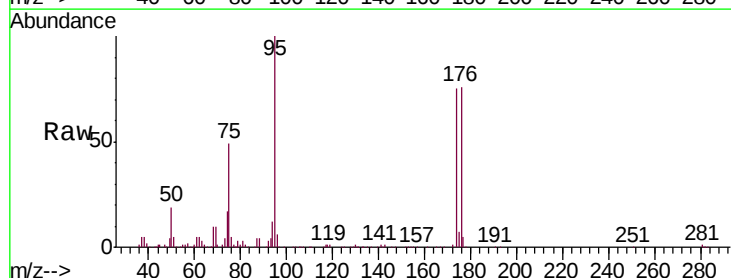
Tgt Ion: 75 Resp: 32309

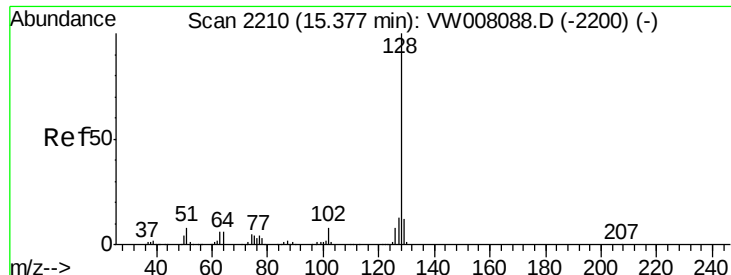
Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.0 35.4 53.2#





#95

Naphthalene

Concen: 9.166 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008256.D

Acq: 14 Jan 2019 19:18

Instrument :

MSVOA_W

ClientSampleId :

RBR-200036

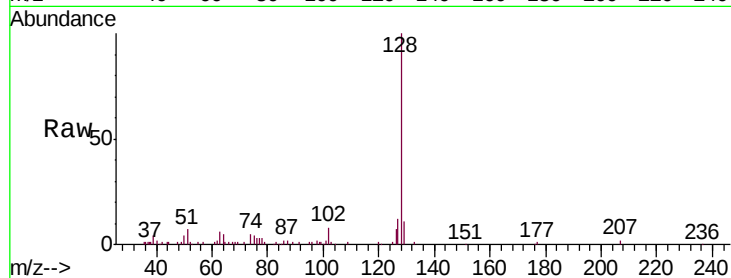
Tgt Ion:128 Resp: 20839

Ion Ratio Lower Upper

128 100

127 14.5 11.0 16.4

129 12.7 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

