

Data File : VW008344.D
Acq On : 17 Jan 2019 22:26
Operator : SY/VA
Sample : K1173-01
Misc : 3.81G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200052

Quant Time: Jan 18 01:12:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	47270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	82998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	76363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	28888	58.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.50%	
35) Dibromofluoromethane	7.88	113	27585	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	106352	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	32942	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	

Target Compounds

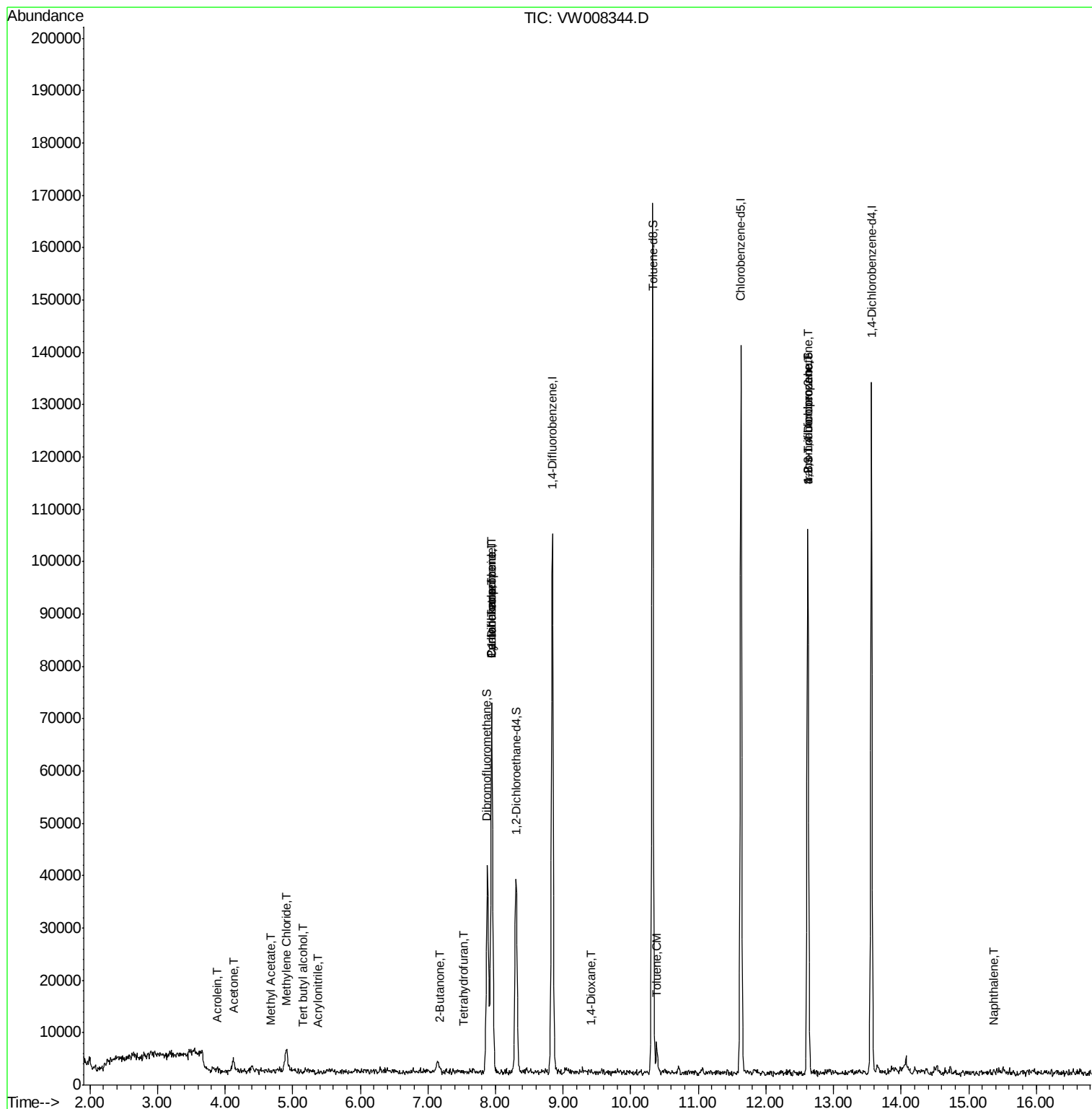
						Qvalue
11) Tert butyl alcohol	5.16	59	67	2.024	ug/l #	1
13) Acrolein	3.89	56	23	8.420	ug/l #	1
15) Acrylonitrile	5.37	53	160	1.466	ug/l #	31
16) Acetone	4.12	43	4234	37.077	ug/l #	86
18) Methyl Acetate	4.68	43	351	1.151	ug/l #	73
20) Methylene Chloride	4.90	84	3191	2.663	ug/l #	82
25) 2-Butanone	7.17	43	431	2.947	ug/l #	69
29) Tetrahydrofuran	7.53	42	158	1.733	ug/l #	34
31) Cyclohexane	7.95	56	1448	1.577	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	4248	5.087	ug/l #	51
38) Carbon Tetrachloride	7.95	117	4960	6.015	ug/l #	19
49) 1,4-Dioxane	9.41	88	21	4.260	ug/l #	22
52) Toluene	10.38	92	2003	1.338	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	15911	52.329	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	15911	124.879	ug/l #	12
95) Naphthalene	15.36	128	167	2.454	ug/l #	81

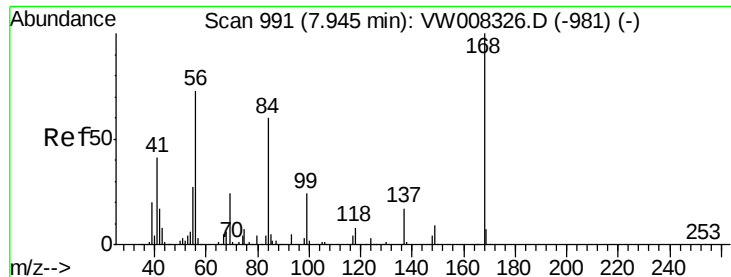
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

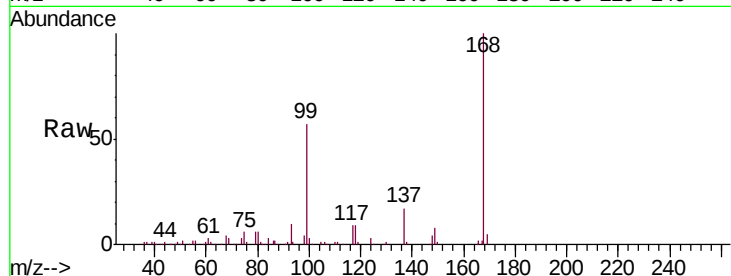
RBR-200052

Tgt Ion:168 Resp: 47270

Ion Ratio Lower Upper

168 100

99 56.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

10000

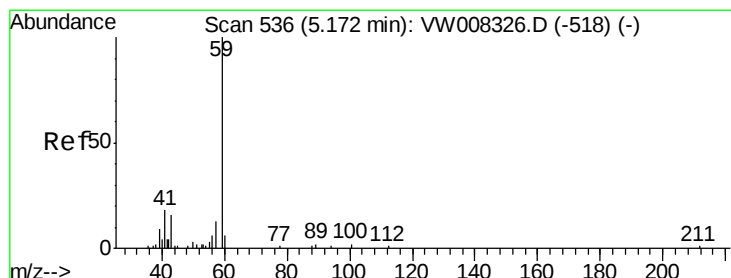
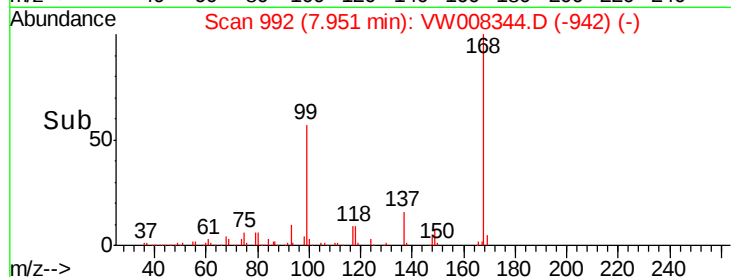
5000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.024 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW008344.D

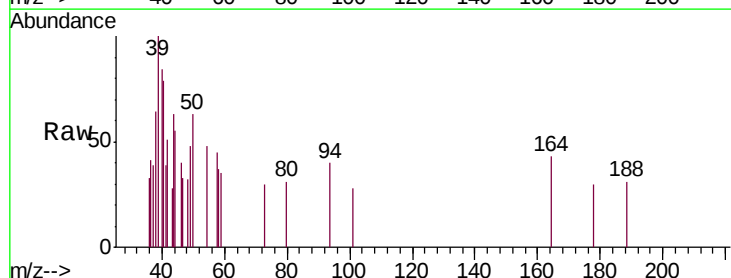
Acq: 17 Jan 2019 22:26

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 186.6 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

150

100

50

0

5.13

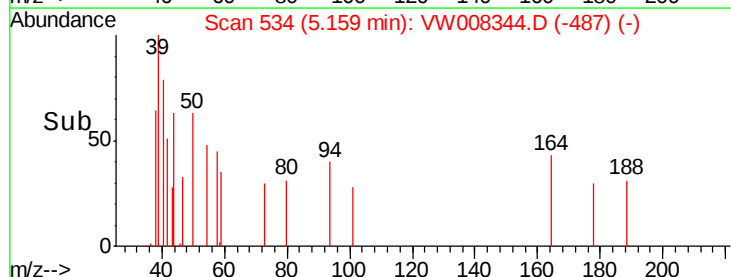
5.14

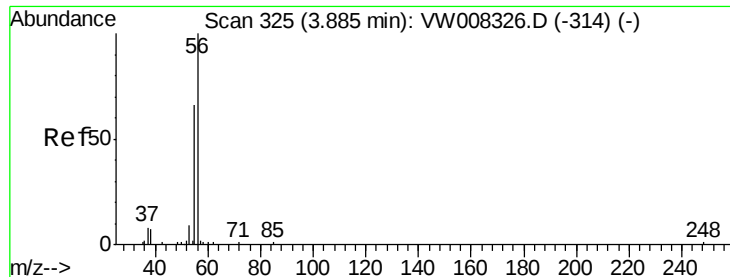
5.15

5.16

5.17

Time-->





#13

Acrolein

Concen: 8.420 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampled :

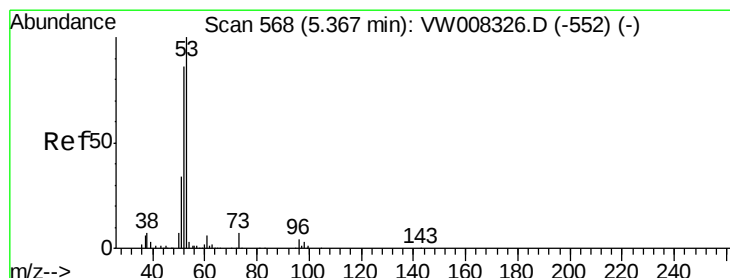
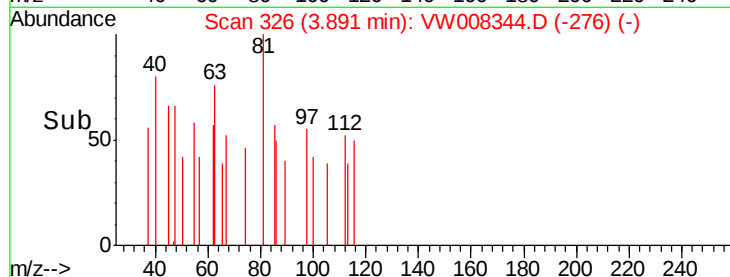
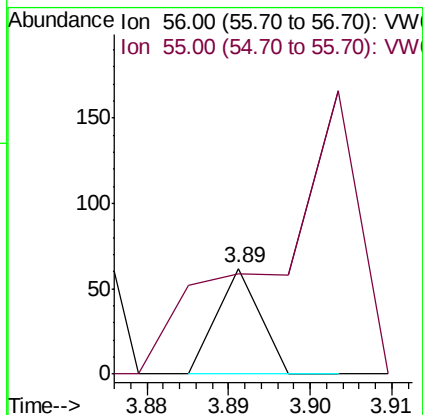
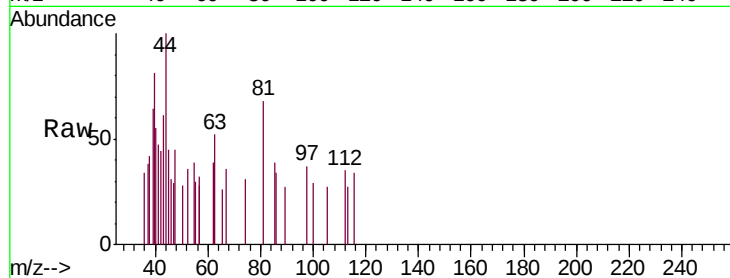
RBR-200052

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 530.4 52.9 79.3#



#15

Acrylonitrile

Concen: 1.466 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

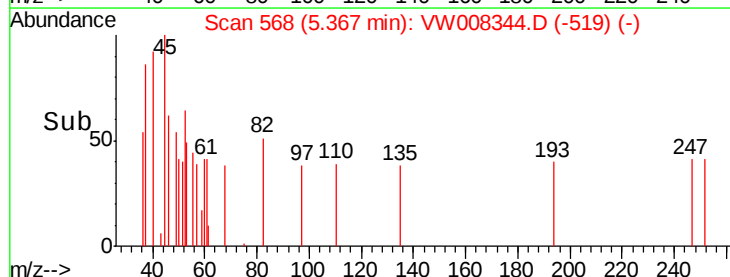
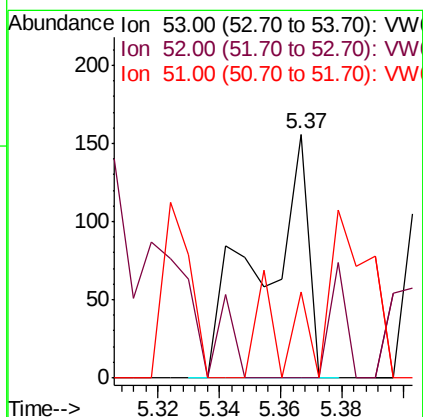
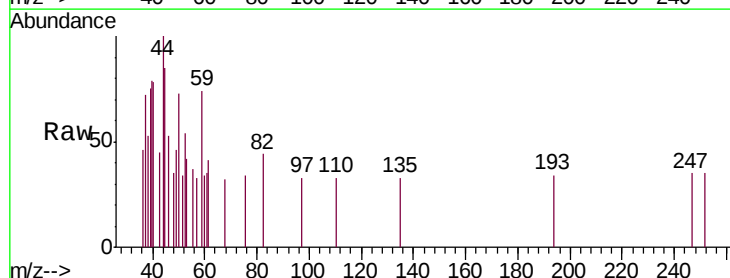
Tgt Ion: 53 Resp: 160

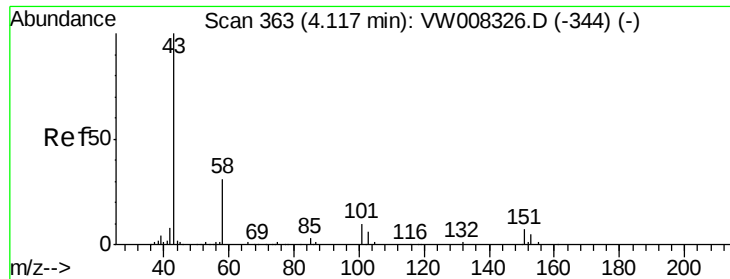
Ion Ratio Lower Upper

53 100

52 16.9 66.4 99.6#

51 71.3 29.6 44.4#





#16

Acetone

Concen: 37.077 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampled :

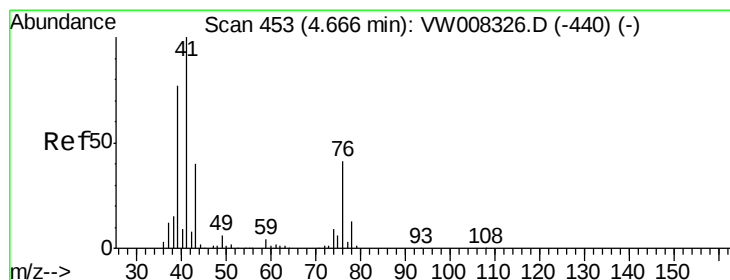
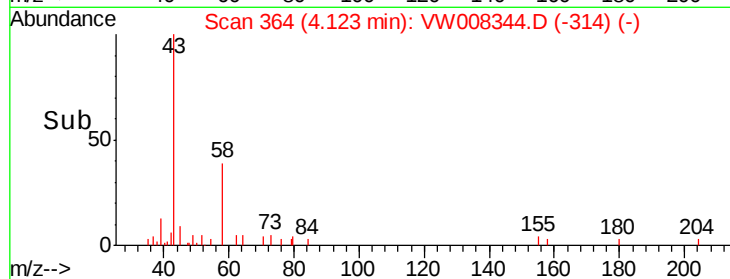
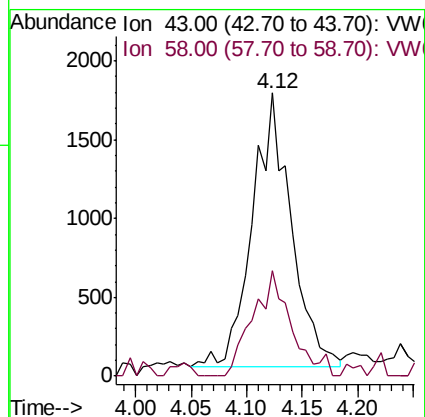
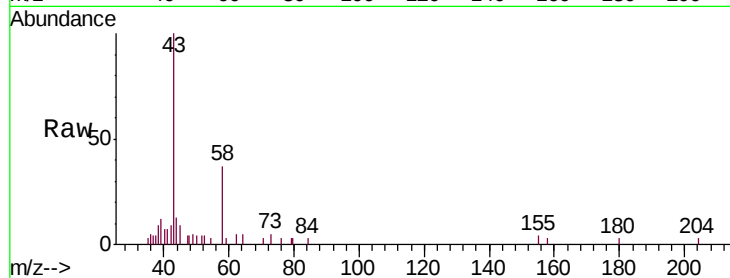
RBR-200052

Tgt Ion: 43 Resp: 4234

Ion Ratio Lower Upper

43 100

58 38.5 24.7 37.1#



#18

Methyl Acetate

Concen: 1.151 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008344.D

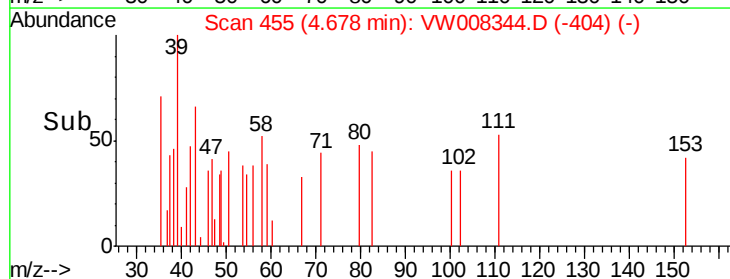
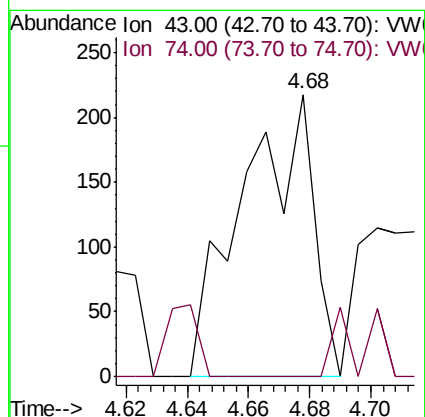
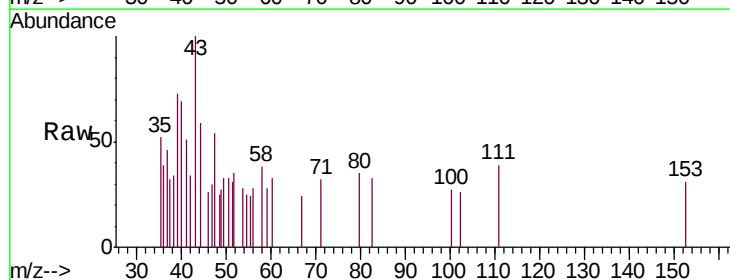
Acq: 17 Jan 2019 22:26

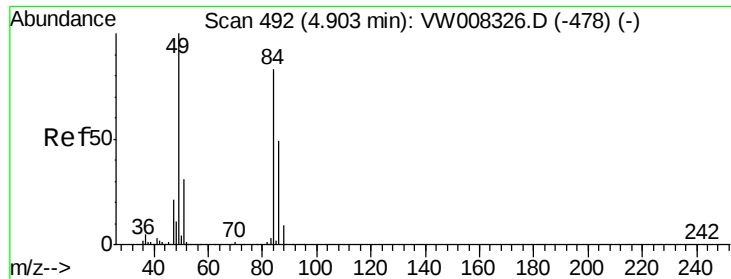
Tgt Ion: 43 Resp: 351

Ion Ratio Lower Upper

43 100

74 10.8 19.4 29.0#

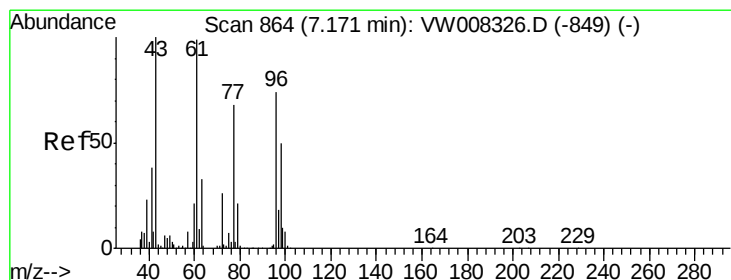
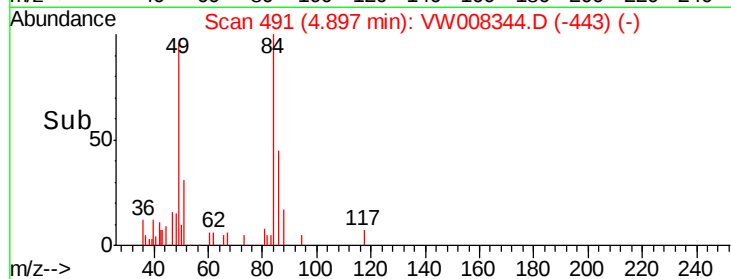
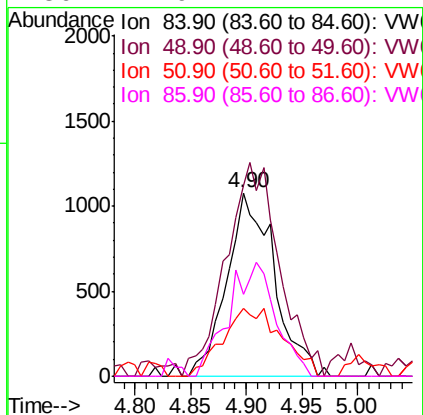
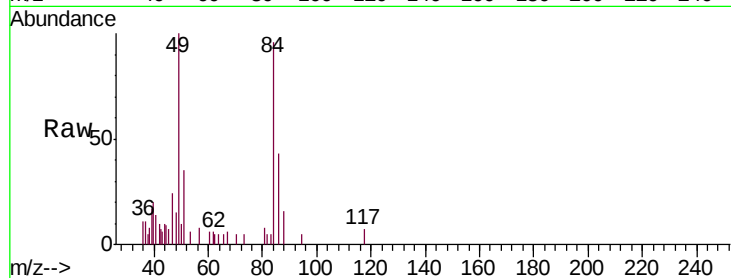




#20
Methylene Chloride
Concen: 2.663 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

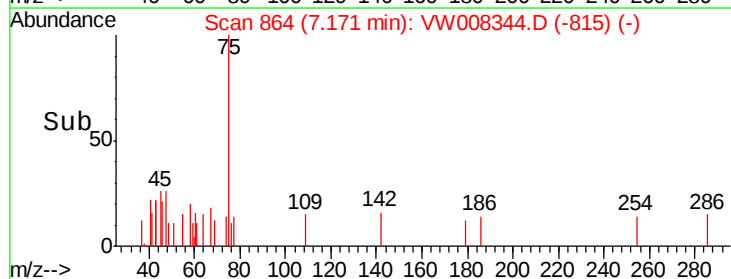
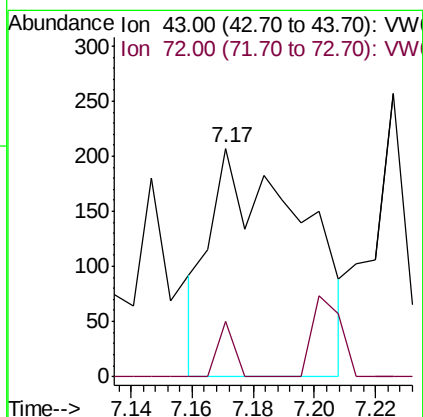
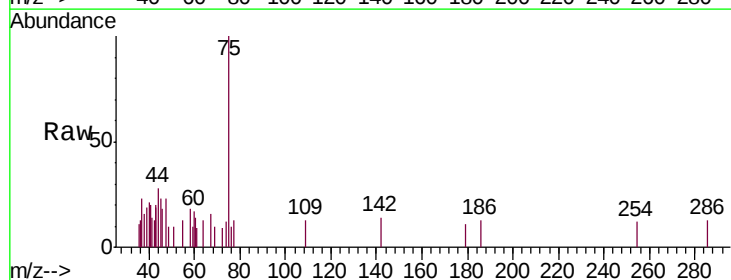
Instrument :
MSVOA_W
ClientSampleId :
RBR-200052

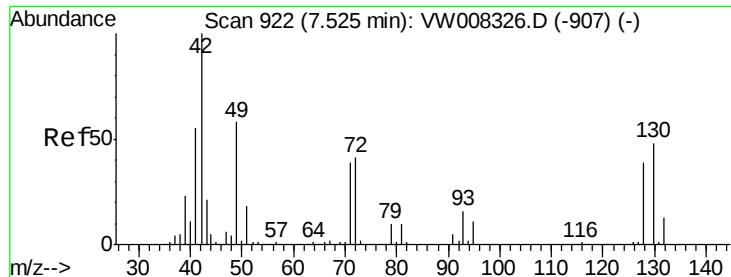
Tgt Ion:	84	Resp:	3191
Ion	Ratio	Lower	Upper
84	100		
49	94.8	95.9	143.9#
51	37.0	29.3	43.9
86	44.9	47.4	71.2#



#25
2-Butanone
Concen: 2.947 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

Tgt Ion:	43	Resp:	431
Ion	Ratio	Lower	Upper
43	100		
72	42.4	21.2	31.8#

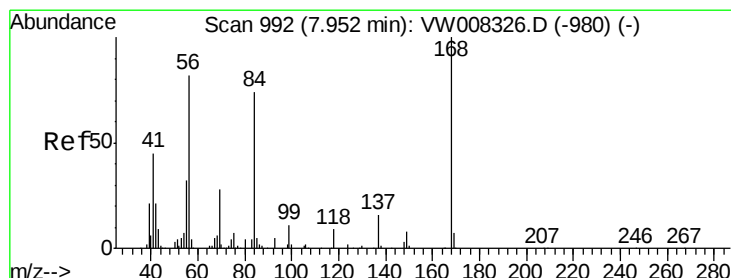
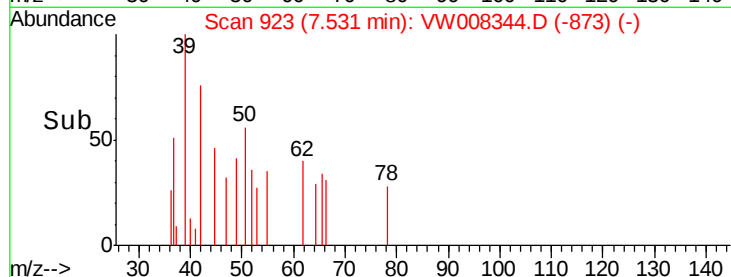
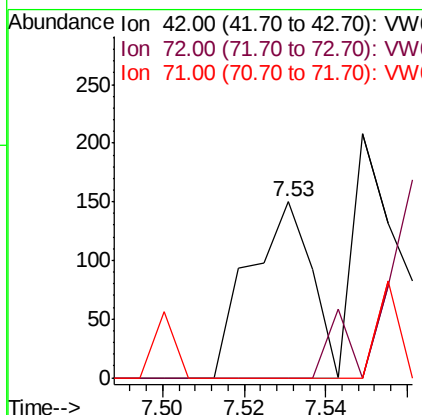
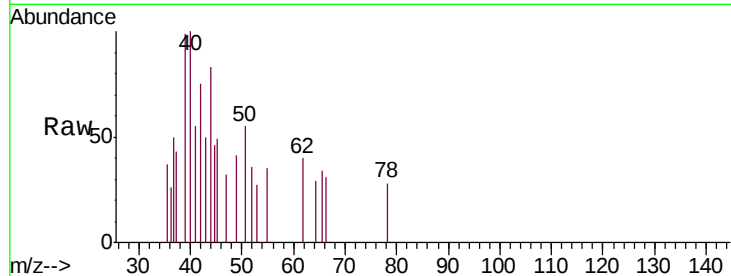




#29
Tetrahydrofuran
Concen: 1.733 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

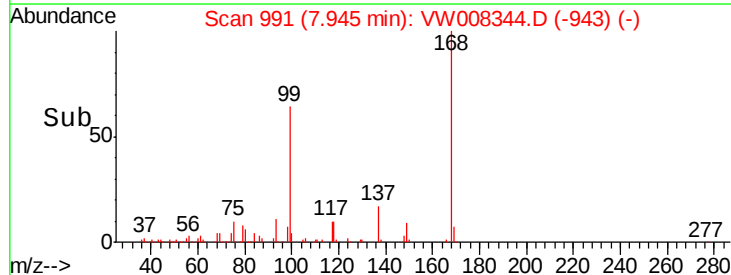
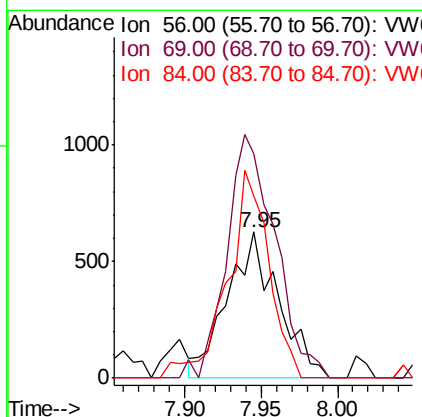
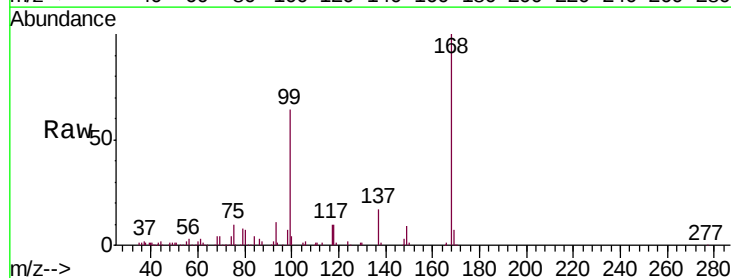
Instrument :
MSVOA_W
ClientSampled :
RBR-200052

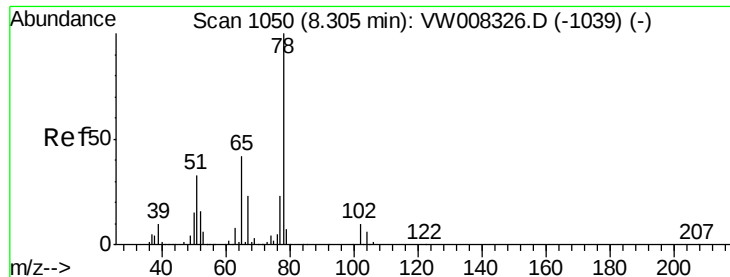
Tgt Ion: 42 Resp: 158
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 32.0 48.0#



#31
Cyclohexane
Concen: 1.577 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

Tgt Ion: 56 Resp: 1448
Ion Ratio Lower Upper
56 100
69 153.7 27.0 40.6#
84 124.7 72.5 108.7#

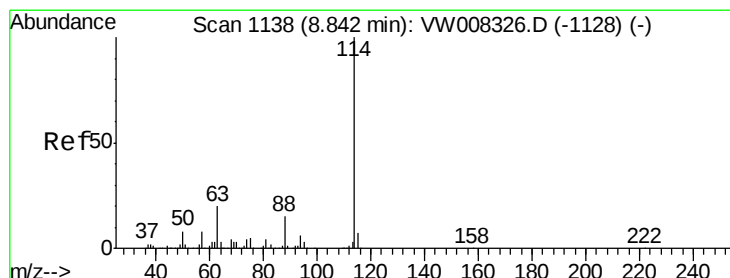
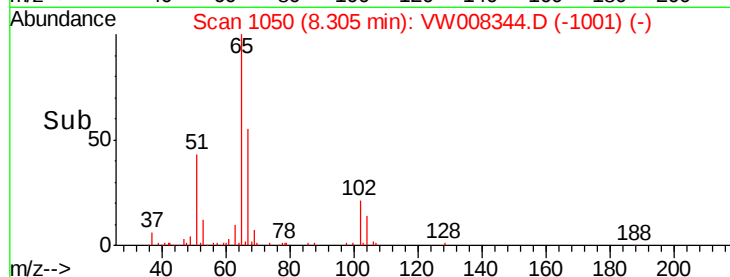
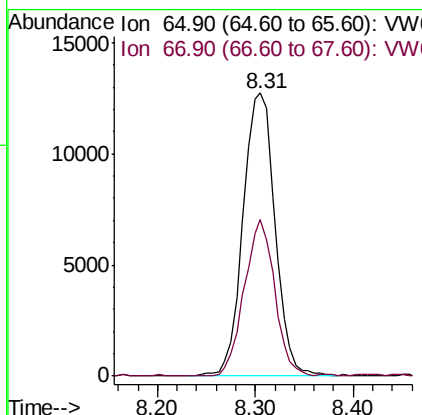
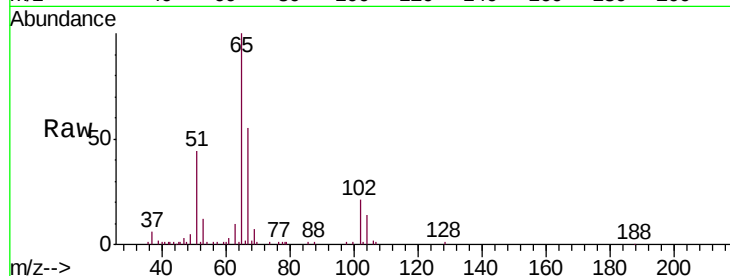




#33
 1,2-Dichloroethane-d4
 Concen: 58.749 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008344.D
 Acq: 17 Jan 2019 22:26

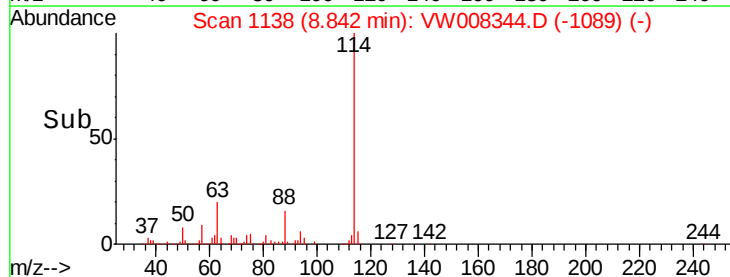
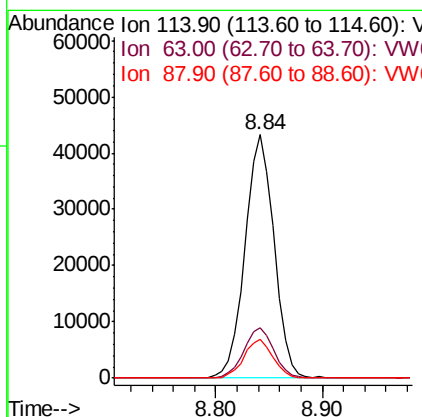
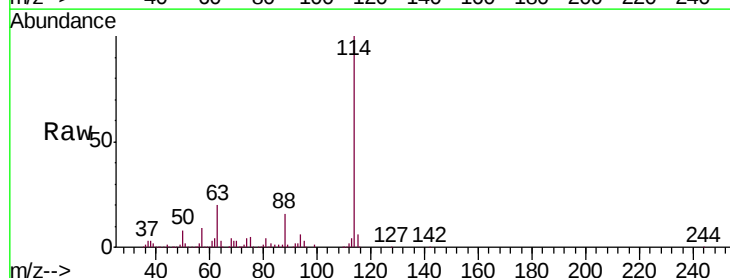
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200052

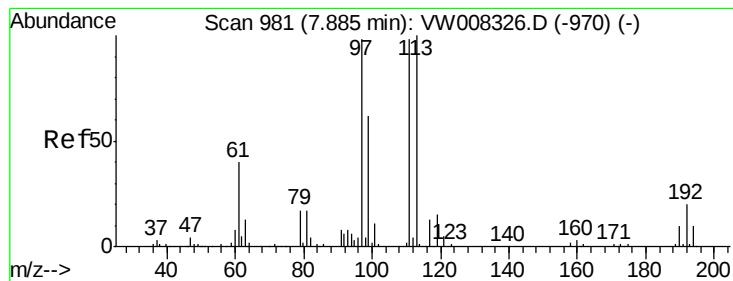
Tgt Ion: 65 Resp: 28888
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008344.D
 Acq: 17 Jan 2019 22:26

Tgt Ion: 114 Resp: 82998
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.066 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

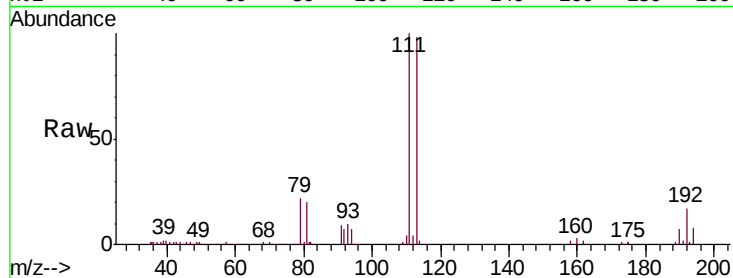
Tgt Ion:113 Resp: 27585

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

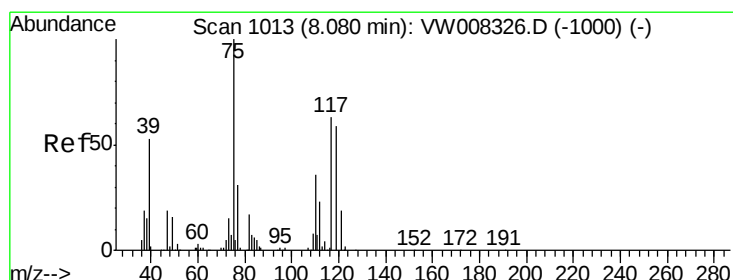
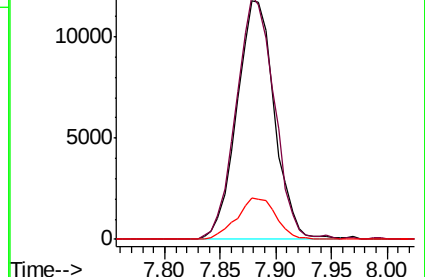
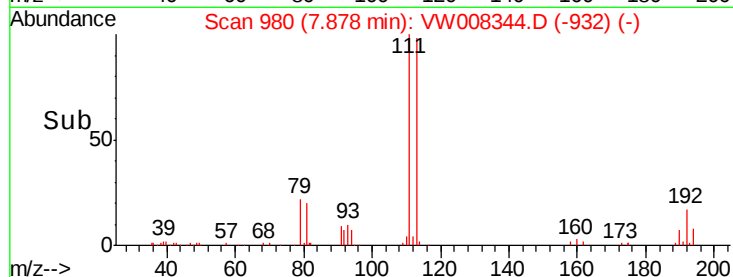
192 18.0 16.3 24.5



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: 5.087 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

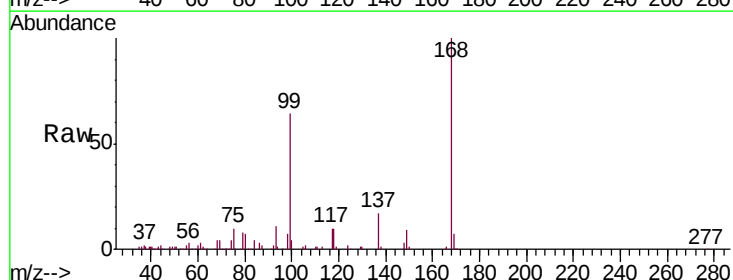
Tgt Ion: 75 Resp: 4248

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.6#

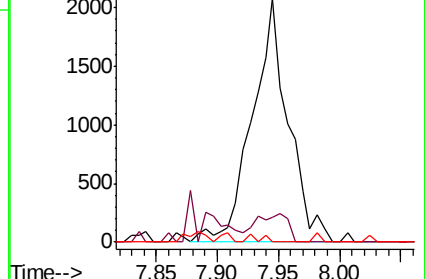
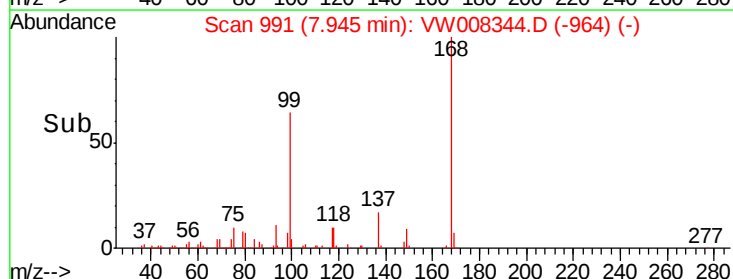
77 0.0 25.0 37.6#

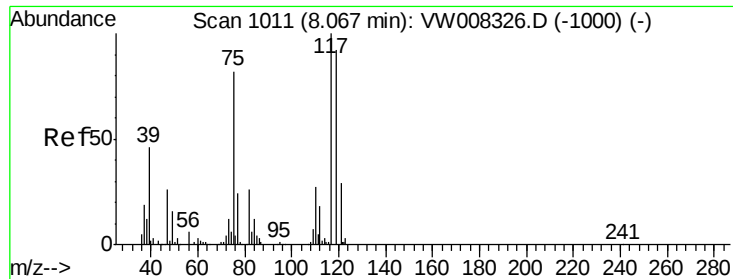


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

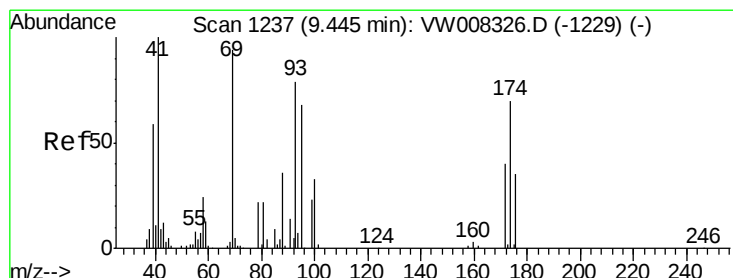
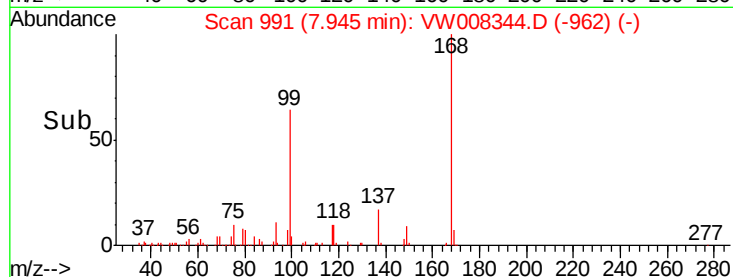
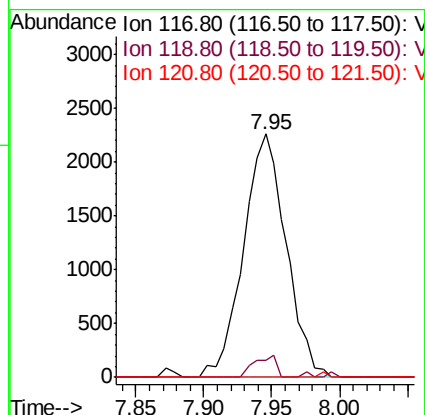
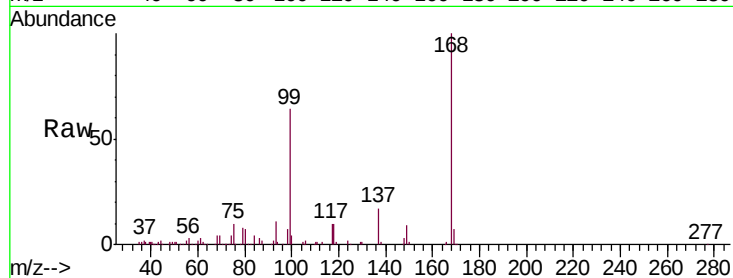




#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

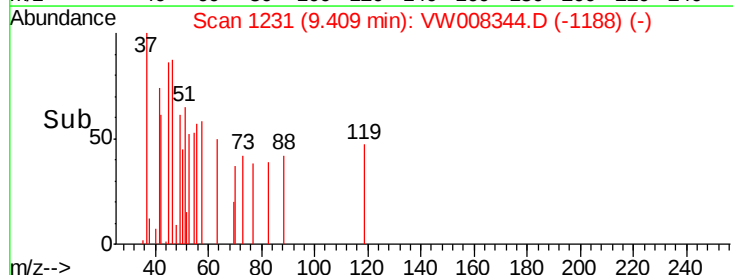
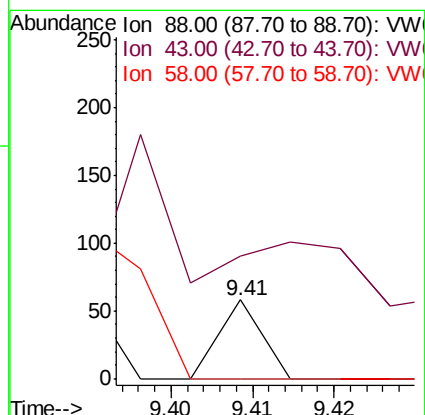
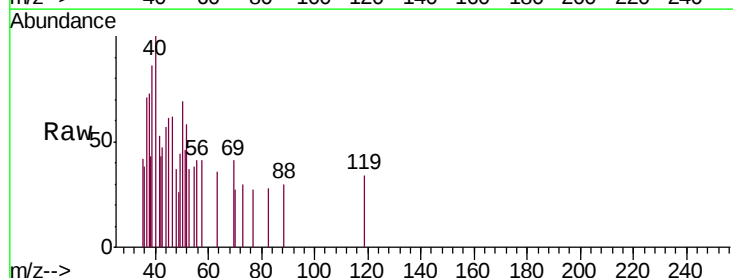
Instrument :
MSVOA_W
ClientSampled :
RBR-200052

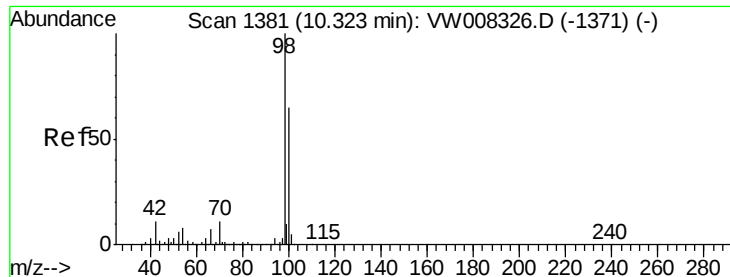
Tgt Ion:117 Resp: 4960
Ion Ratio Lower Upper
117 100
119 7.2 73.8 110.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 4.260 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.04 min
Lab File: VW008344.D
Acq: 17 Jan 2019 22:26

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 57.9 86.9#





#50

Toluene-d8

Concen: 51.097 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

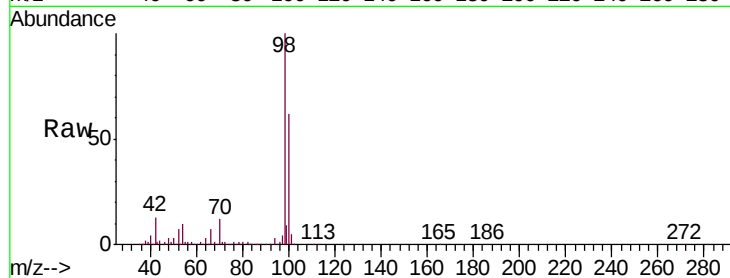
RBR-200052

Tgt Ion: 98 Resp: 106352

Ion Ratio Lower Upper

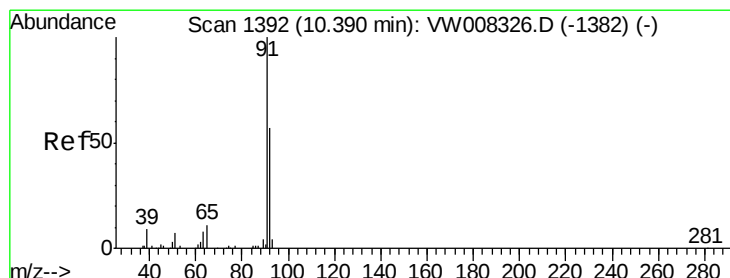
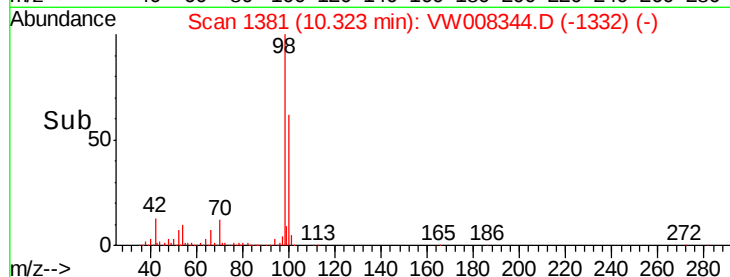
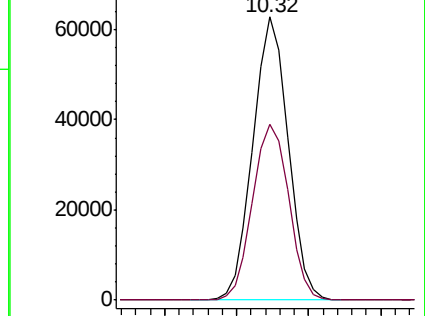
98 100

100 63.9 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: 1.338 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008344.D

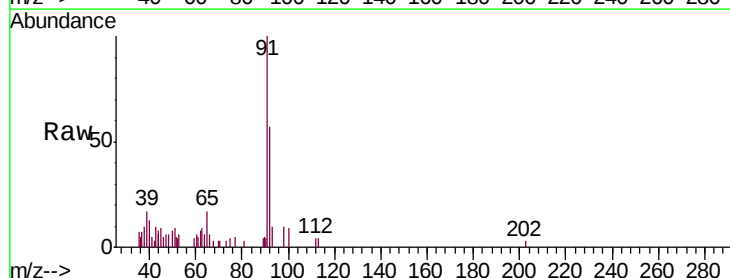
Acq: 17 Jan 2019 22:26

Tgt Ion: 92 Resp: 2003

Ion Ratio Lower Upper

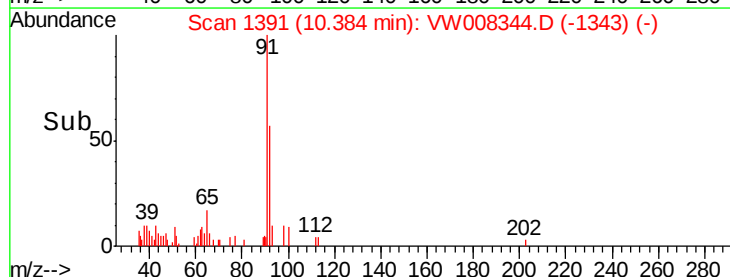
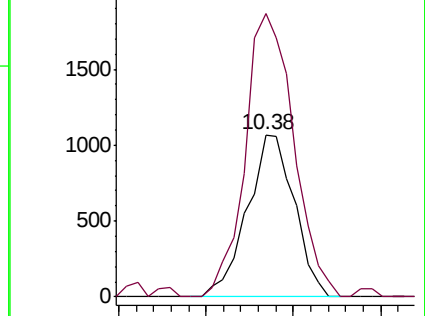
92 100

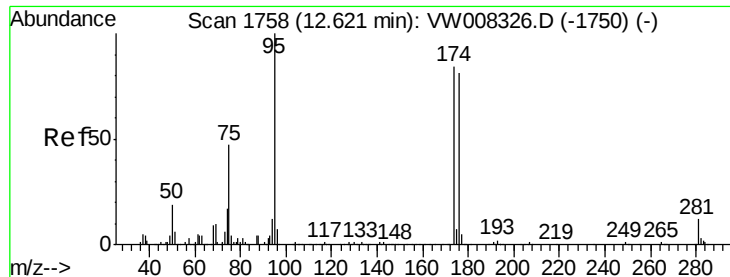
91 180.6 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 44.130 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

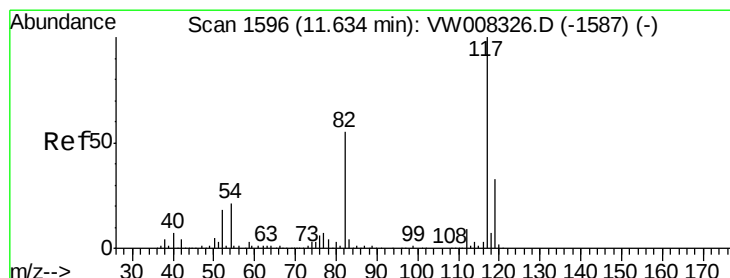
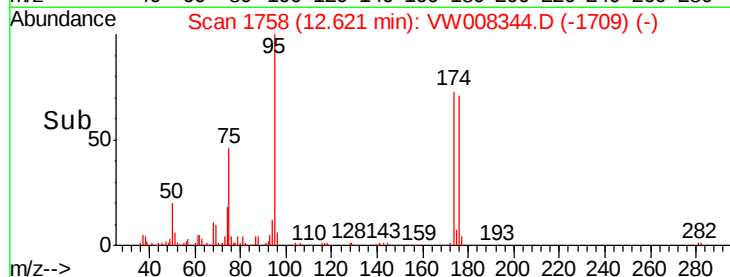
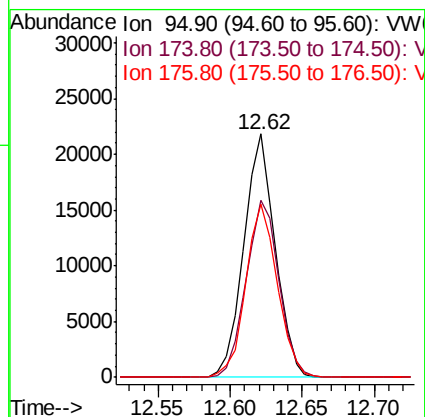
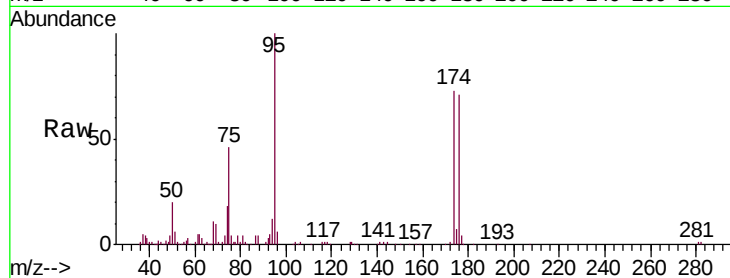
Tgt Ion: 95 Resp: 32942

Ion Ratio Lower Upper

95 100

174 75.9 0.0 166.0

176 71.2 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

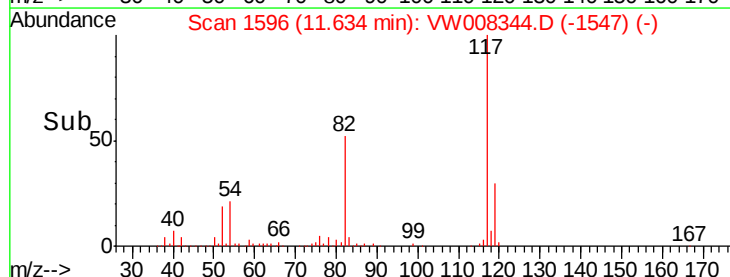
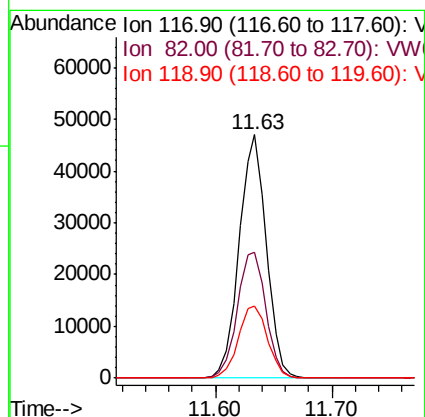
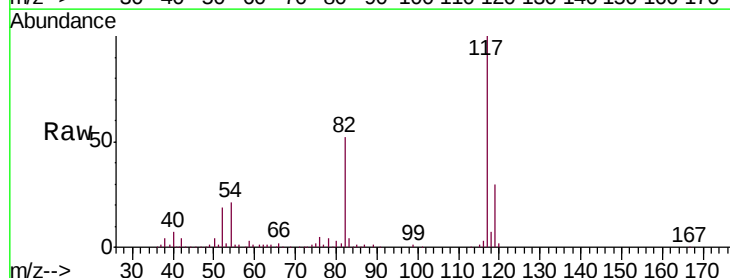
Tgt Ion: 117 Resp: 76363

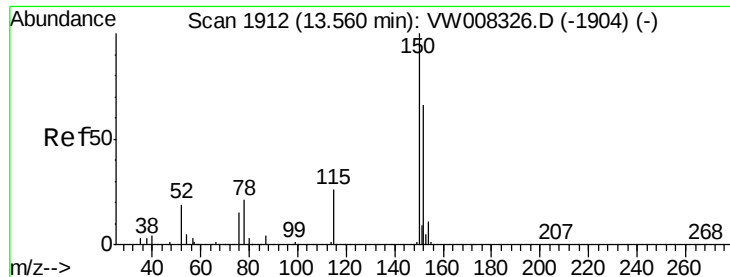
Ion Ratio Lower Upper

117 100

82 51.8 44.3 66.5

119 29.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

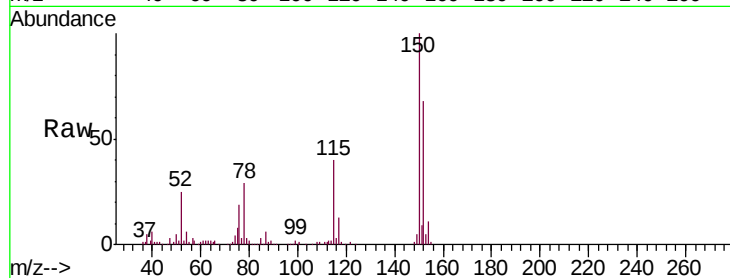
Tgt Ion:152 Resp: 33389

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.4

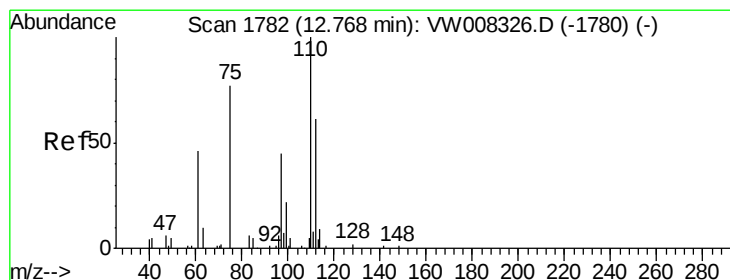
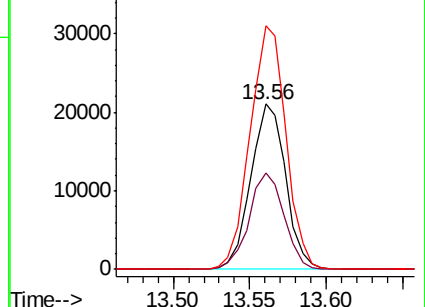
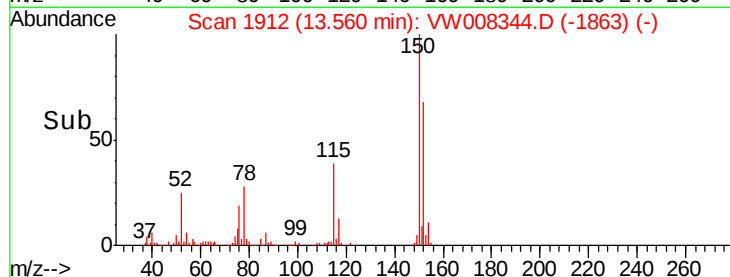
150 151.8 0.0 351.4



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: 52.329 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008344.D

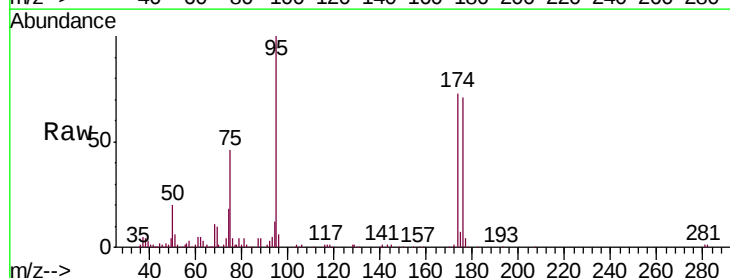
Acq: 17 Jan 2019 22:26

Tgt Ion: 75 Resp: 15911

Ion Ratio Lower Upper

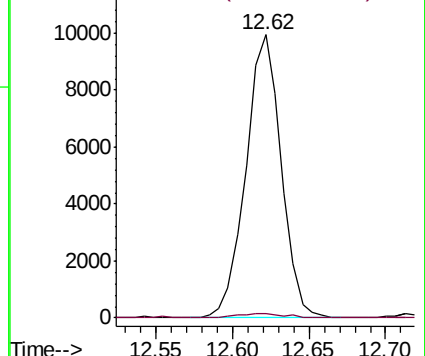
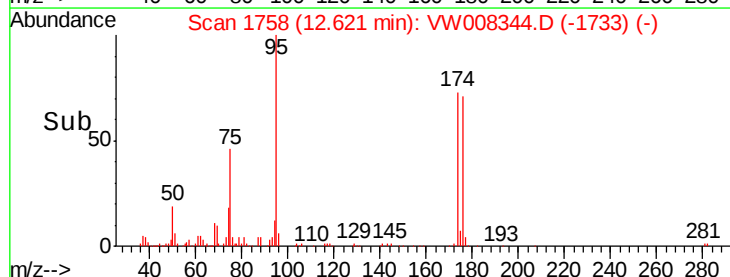
75 100

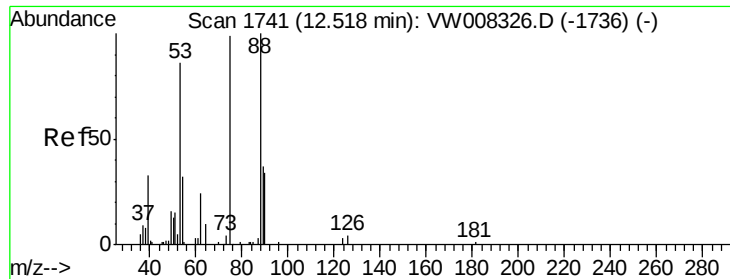
77 2.0 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 124.879 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

Instrument :

MSVOA_W

ClientSampleId :

RBR-200052

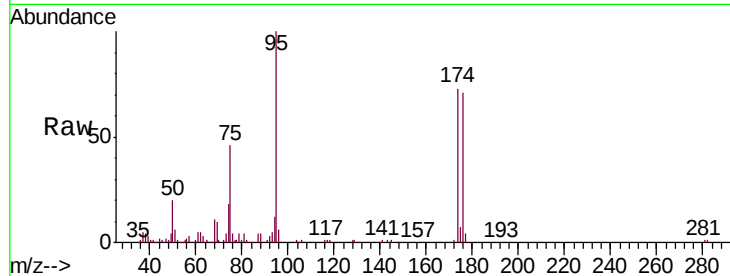
Tgt Ion: 75 Resp: 15911

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.4#

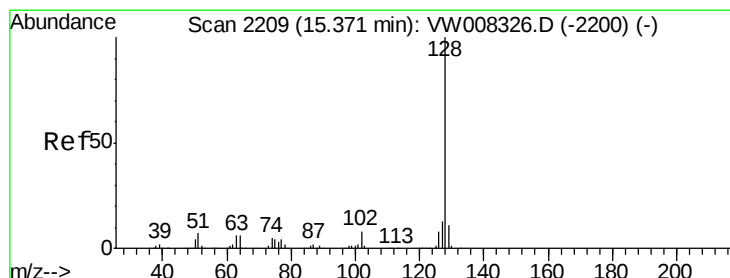
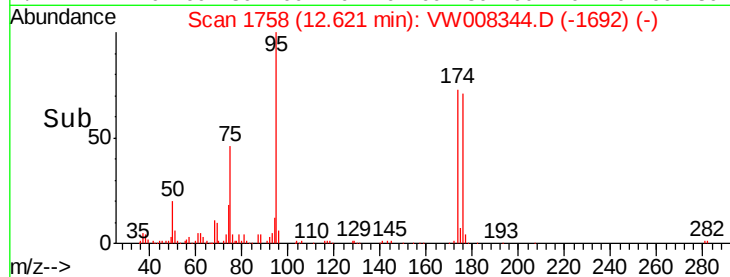
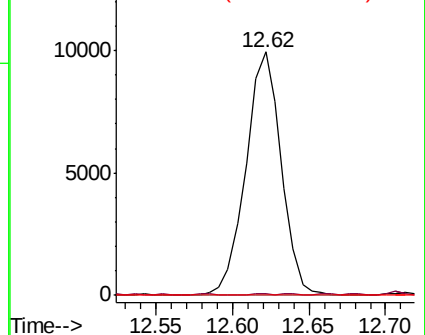
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.454 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW008344.D

Acq: 17 Jan 2019 22:26

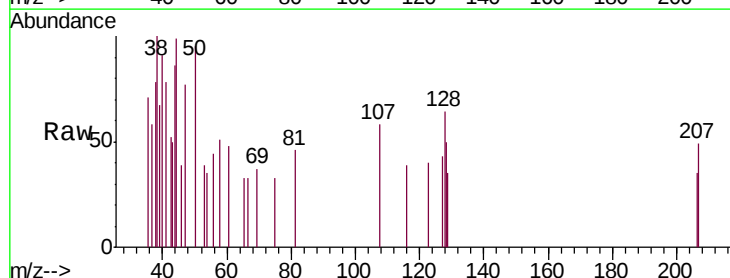
Tgt Ion: 128 Resp: 167

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

129 25.1 8.8 13.2#



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

