

Data File : VW008339.D
Acq On : 17 Jan 2019 20:12
Operator : SY/VA
Sample : K1189-01
Misc : 7.15G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR200034

Quant Time: Jan 18 01:10:40 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	91808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56205	58.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.70%	
35) Dibromofluoromethane	7.88	113	52465	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.32	98	202718	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.62	95	67754	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	

Target Compounds

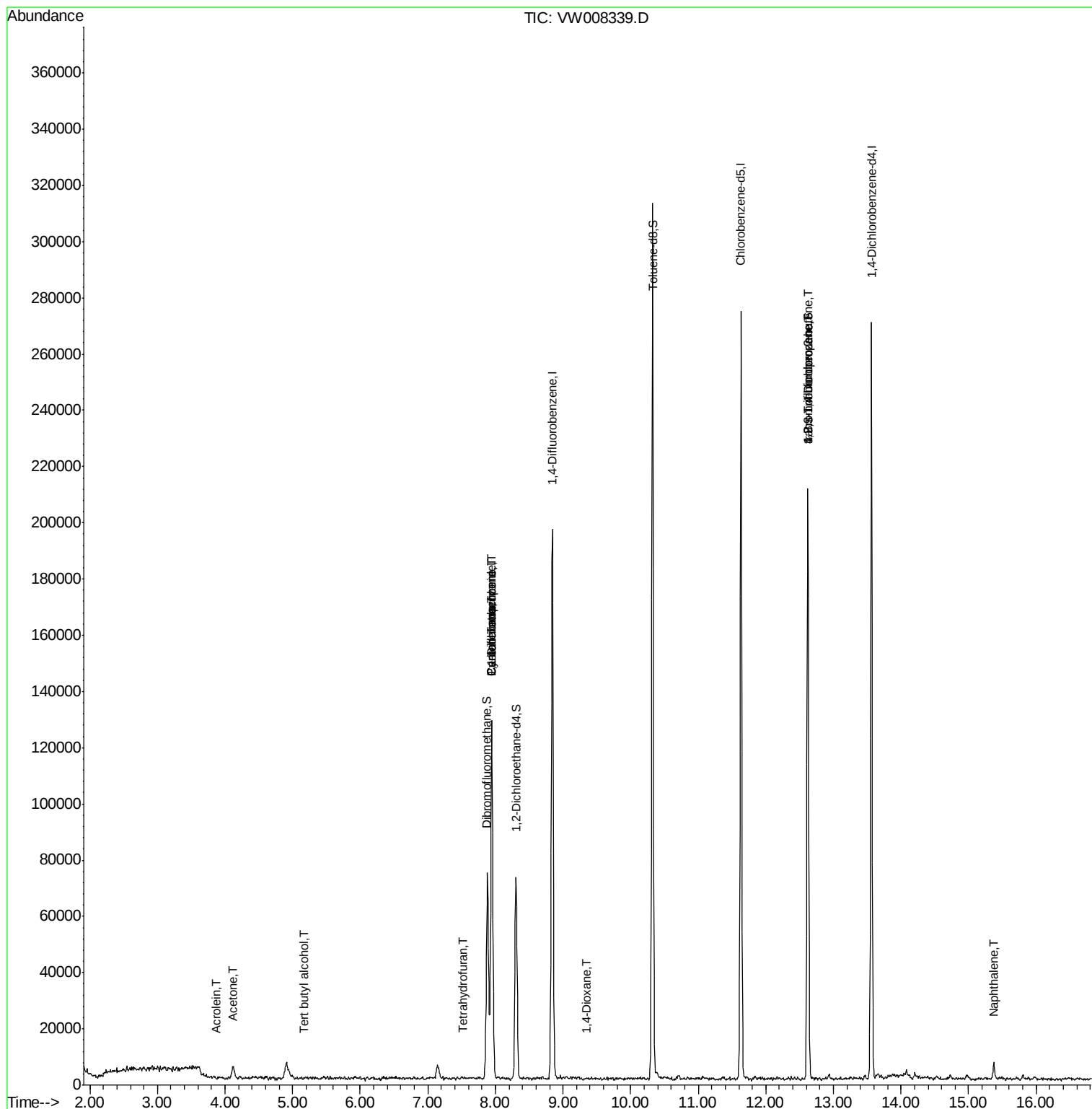
						Qvalue
11) Tert butyl alcohol	5.17	59	239	3.717	ug/l #	82
13) Acrolein	3.88	56	66	8.730	ug/l #	1
16) Acetone	4.12	43	7944	35.818	ug/l	98
29) Tetrahydrofuran	7.51	42	249	1.406	ug/l #	55
31) Cyclohexane	7.94	56	2530	1.418	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	7409	4.477	ug/l #	52
38) Carbon Tetrachloride	7.94	117	9760	5.973	ug/l #	17
49) 1,4-Dioxane	9.34	88	26	2.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	33989	53.281	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33989	127.150	ug/l #	12
95) Naphthalene	15.37	128	4062	3.770	ug/l #	92

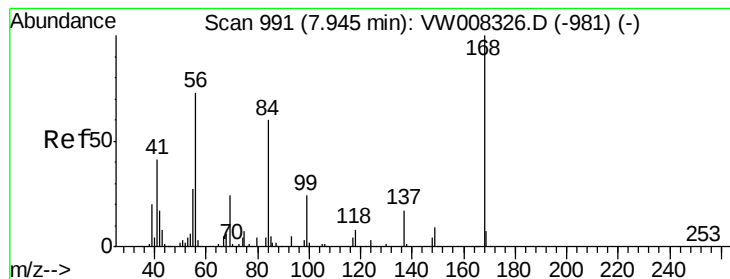
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 18 00:57:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampleId :

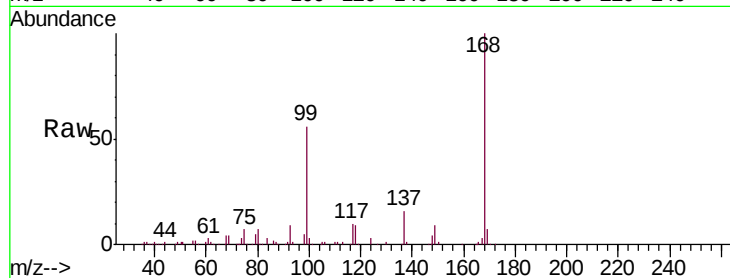
RBR200034

Tgt Ion:168 Resp: 91808

Ion Ratio Lower Upper

168 100

99 56.1 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

40000

30000

20000

10000

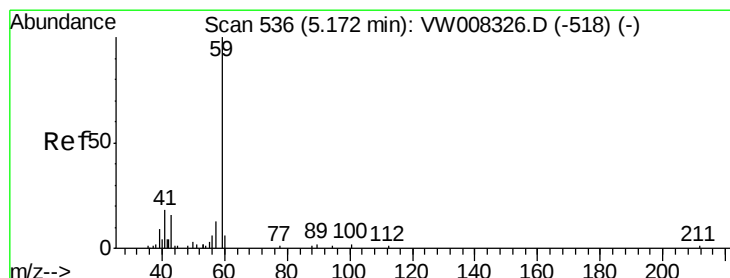
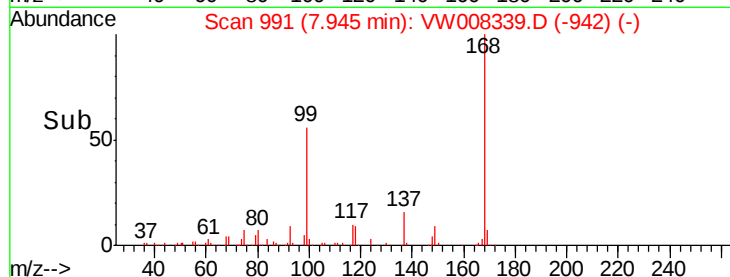
0

Time-->

7.80

7.90

8.00



#11

Tert butyl alcohol

Concen: 3.717 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008339.D

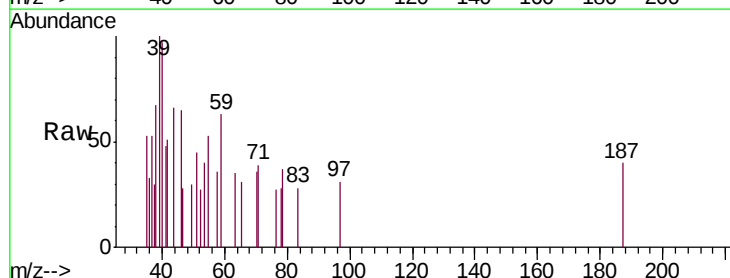
Acq: 17 Jan 2019 20:12

Tgt Ion: 59 Resp: 239

Ion Ratio Lower Upper

59 100

57 18.8 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

100

50

0

Time-->

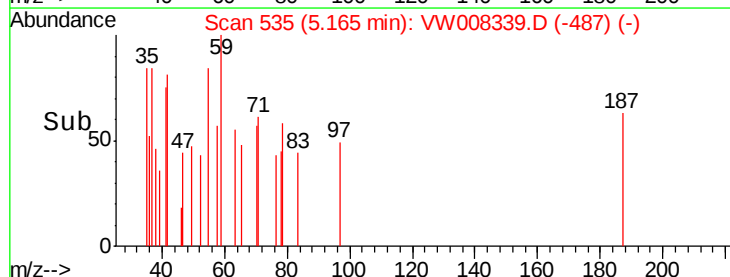
5.12

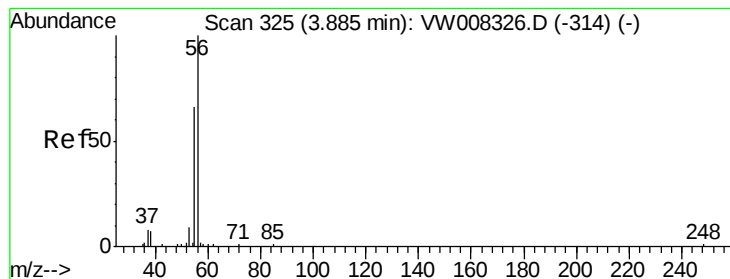
5.14

5.16

5.18

5.20





#13

Acrolein

Concen: 8.730 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampleId :

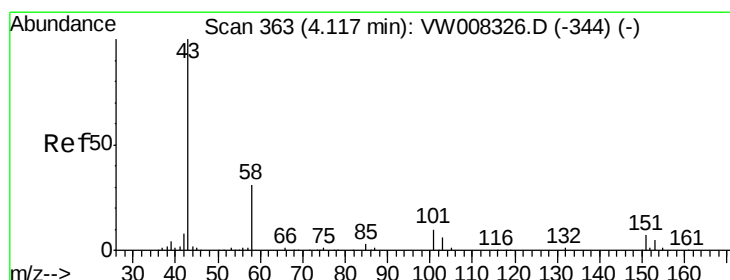
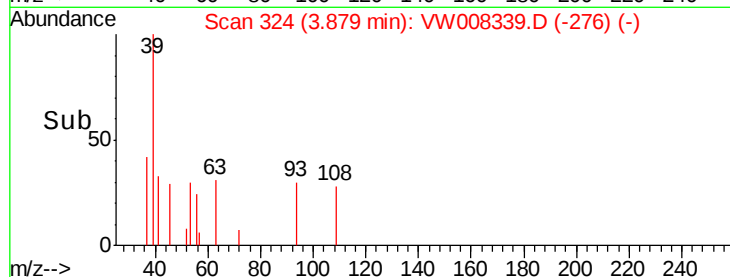
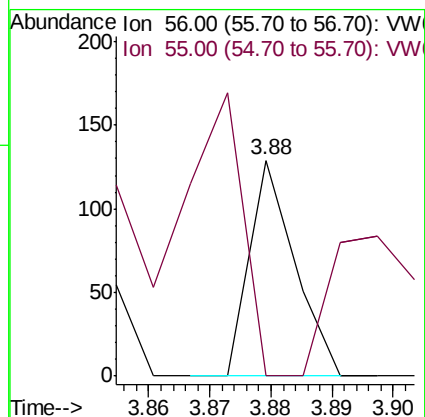
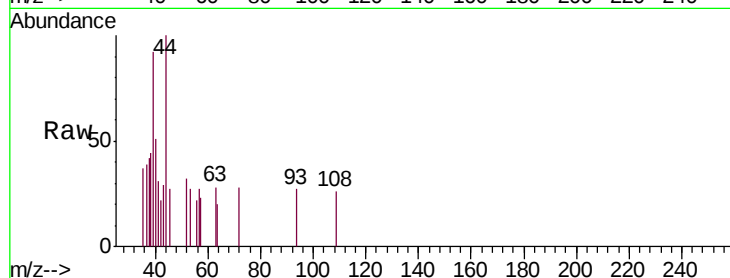
RBR200034

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 157.6 52.9 79.3#



#16

Acetone

Concen: 35.818 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008339.D

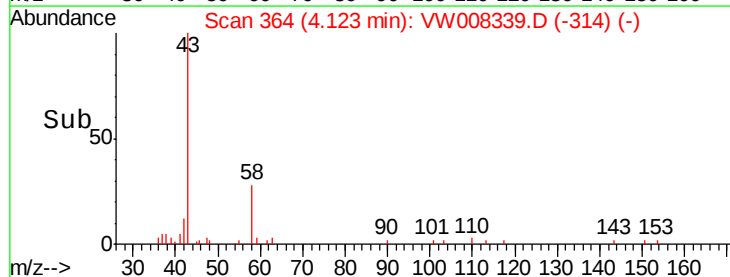
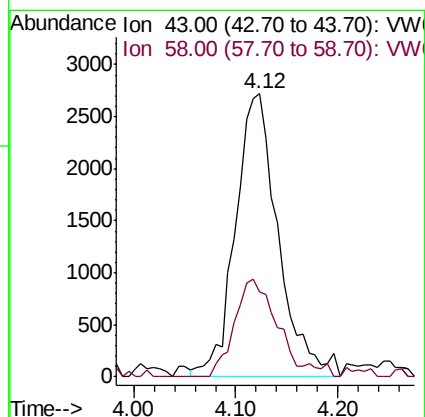
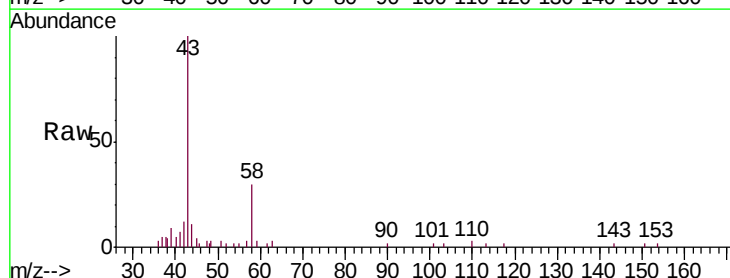
Acq: 17 Jan 2019 20:12

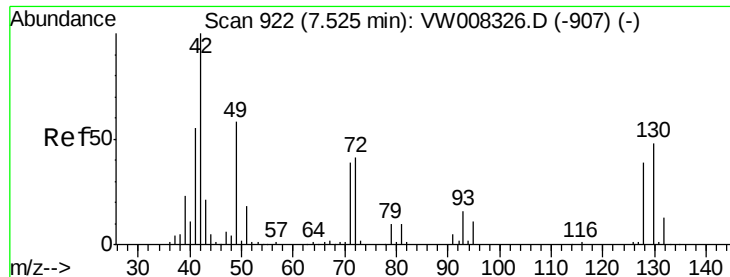
Tgt Ion: 43 Resp: 7944

Ion Ratio Lower Upper

43 100

58 29.9 24.7 37.1





#29

Tetrahydrofuran

Concen: 1.406 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampled :

RBR200034

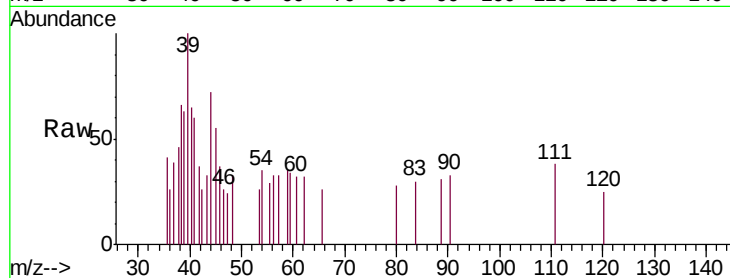
Tgt Ion: 42 Resp: 249

Ion Ratio Lower Upper

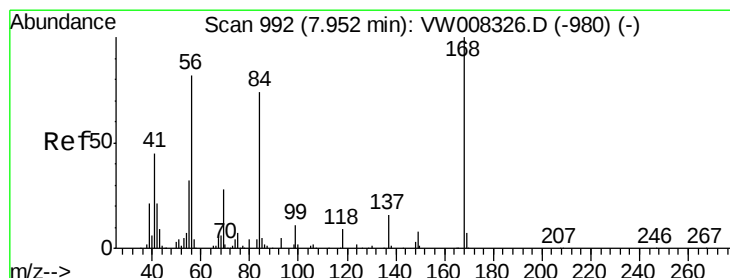
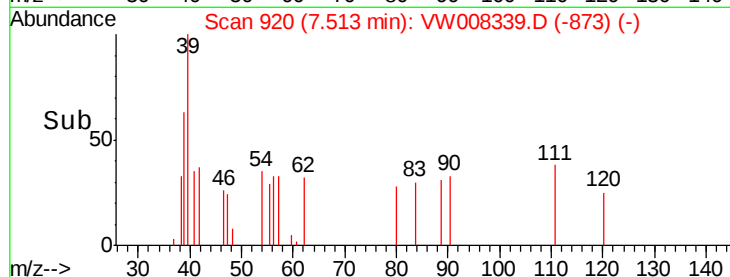
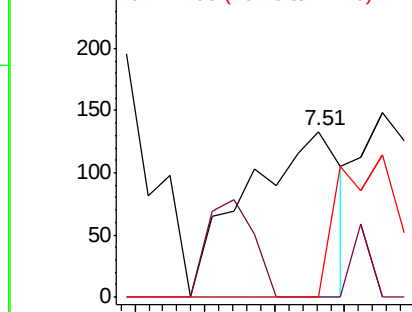
42 100

72 8.8 34.0 51.0#

71 62.7 32.0 48.0#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.418 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

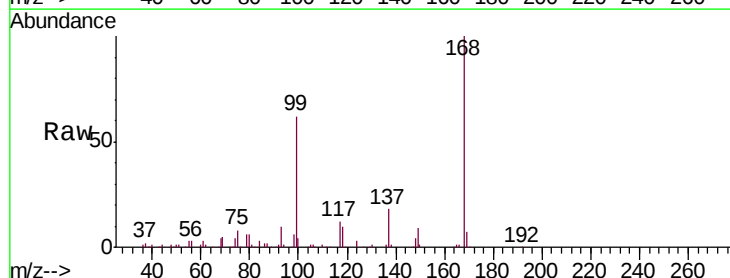
Tgt Ion: 56 Resp: 2530

Ion Ratio Lower Upper

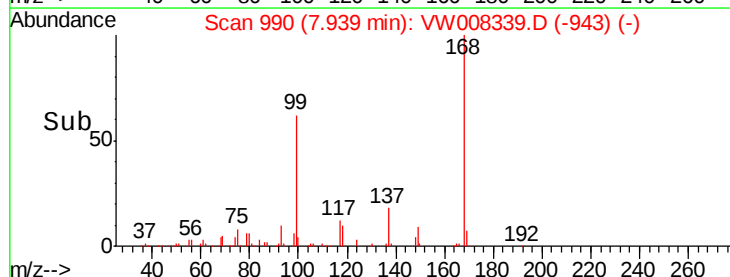
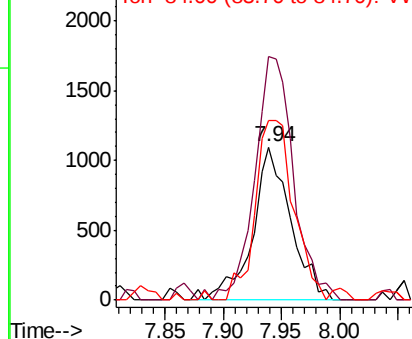
56 100

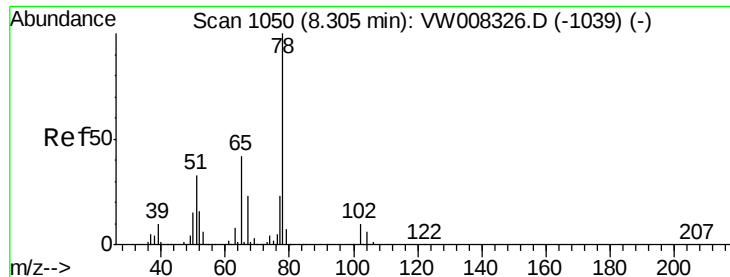
69 158.8 27.0 40.6#

84 117.2 72.5 108.7#



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

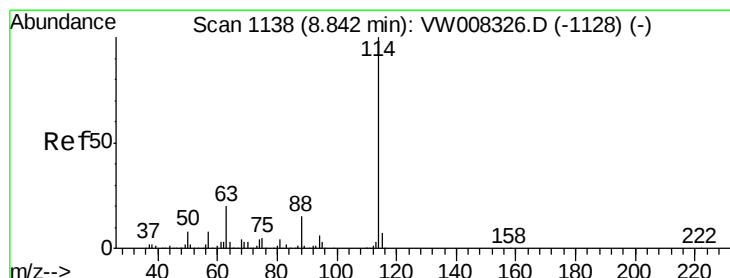
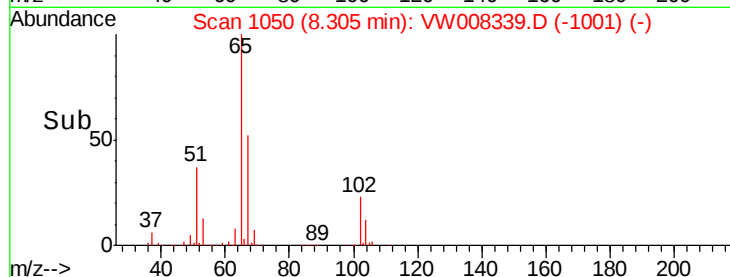
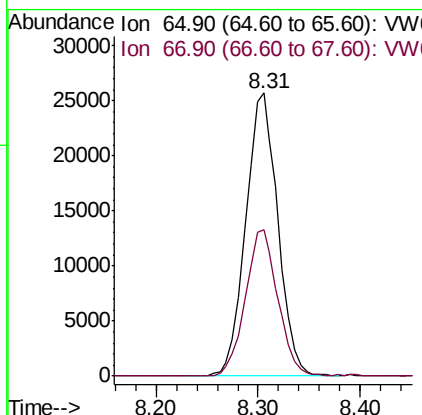
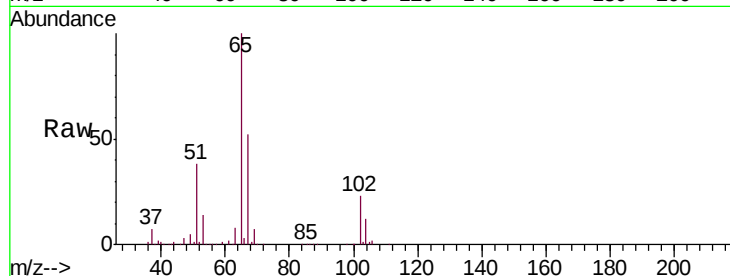




#33
 1,2-Dichloroethane-d4
 Concen: 58.853 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008339.D
 Acq: 17 Jan 2019 20:12

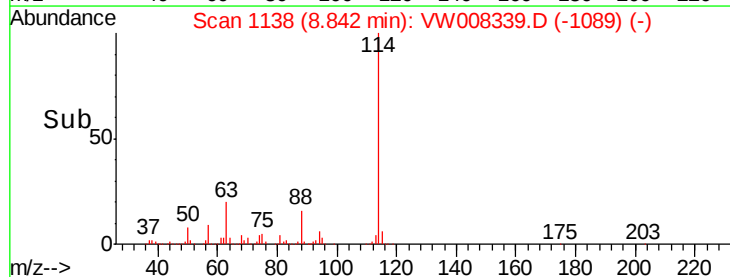
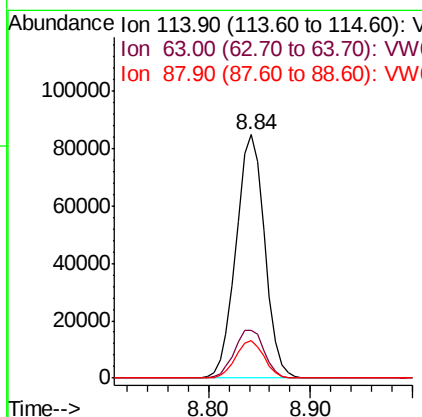
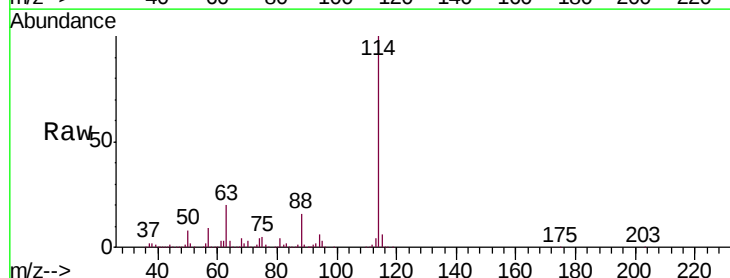
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200034

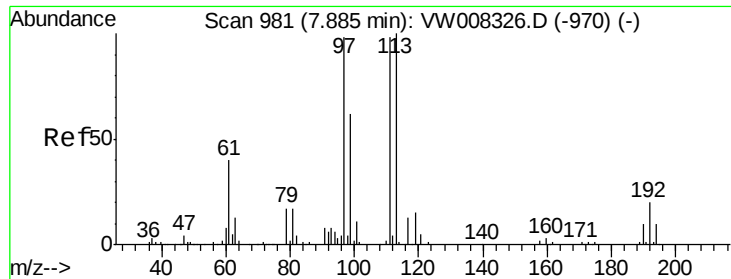
Tgt Ion: 65 Resp: 56205
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008339.D
 Acq: 17 Jan 2019 20:12

Tgt Ion: 114 Resp: 164485
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 15.6 0.0 30.4

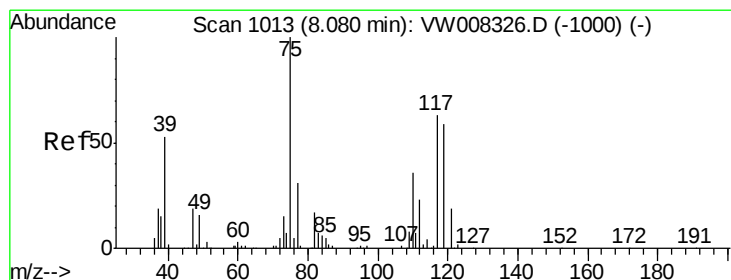
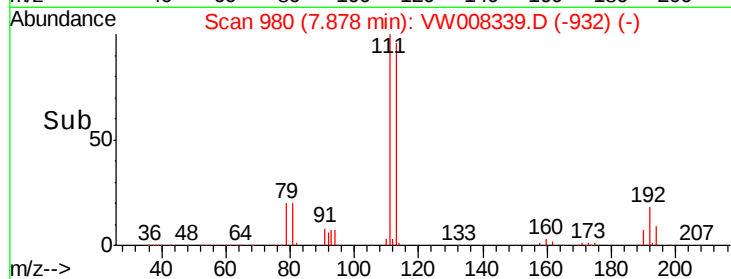
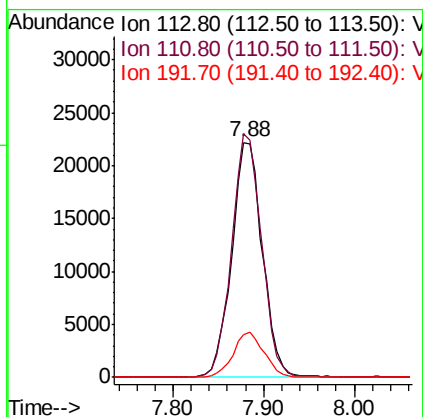
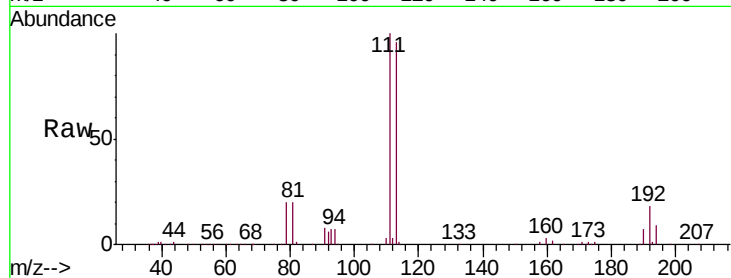




#35
 Dibromofluoromethane
 Concen: 49.968 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008339.D
 Acq: 17 Jan 2019 20:12

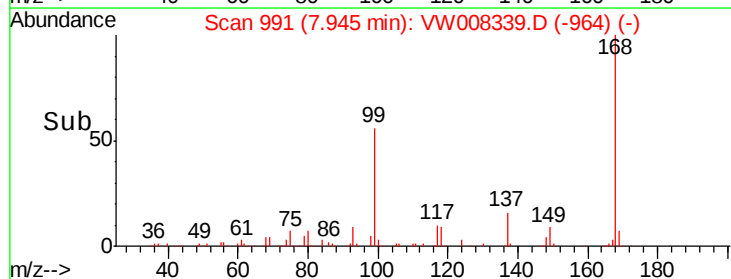
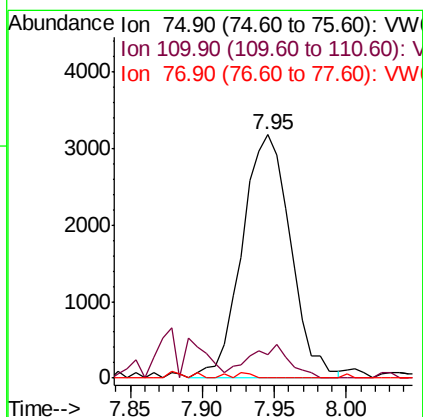
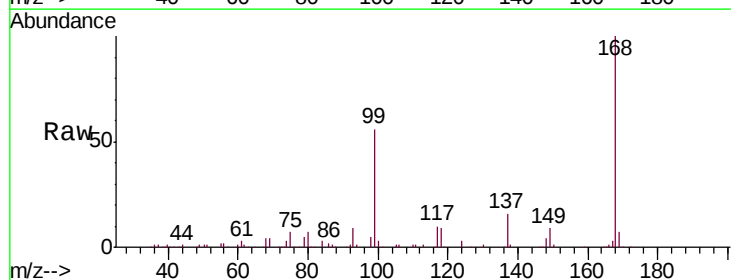
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR200034

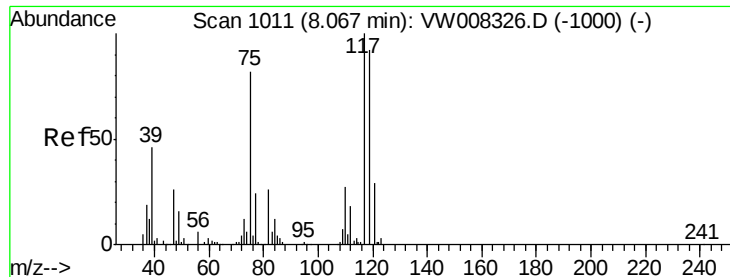
Tgt Ion: 113 Resp: 52465
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.8 122.8
 192 19.2 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008339.D
 Acq: 17 Jan 2019 20:12

Tgt Ion: 75 Resp: 7409
 Ion Ratio Lower Upper
 75 100
 110 11.4 17.5 52.6#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampleId :

RBR200034

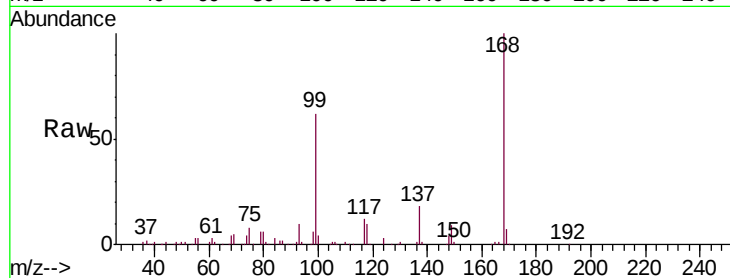
Tgt Ion: 117 Resp: 9760

Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.6#

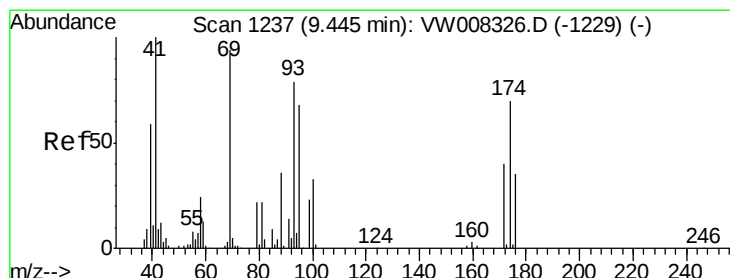
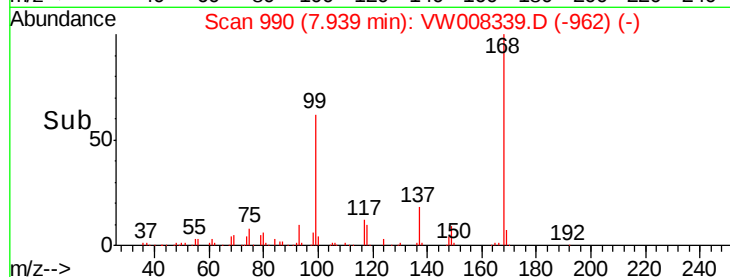
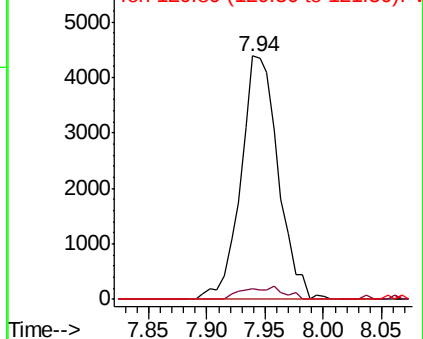
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: 2.661 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.10 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

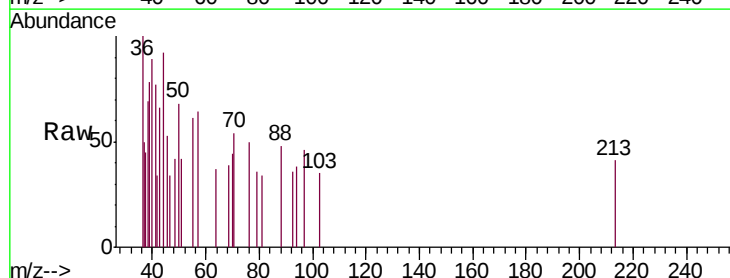
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 588.5 27.1 40.7#

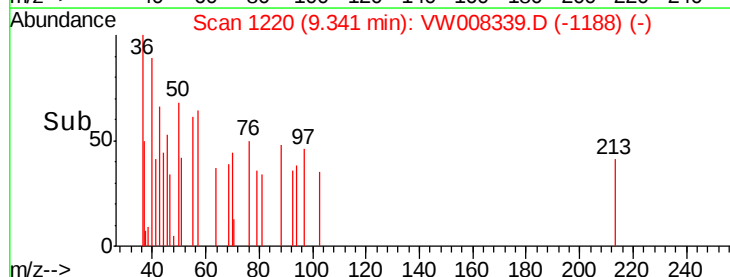
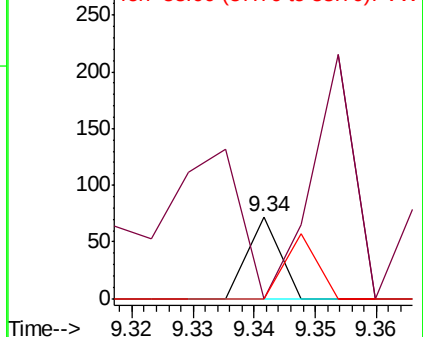
58 80.8 57.9 86.9

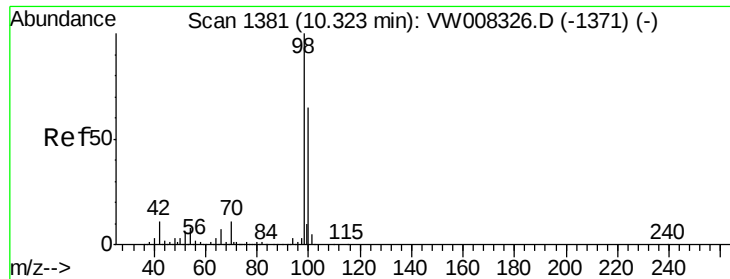


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.146 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampleId :

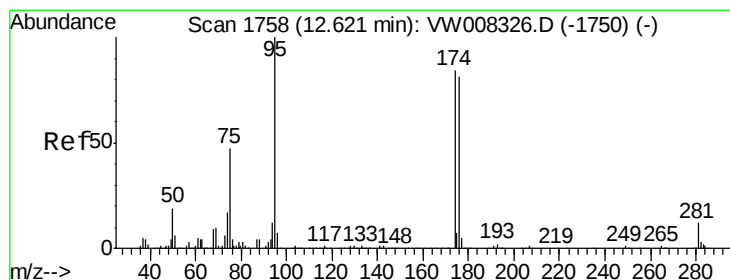
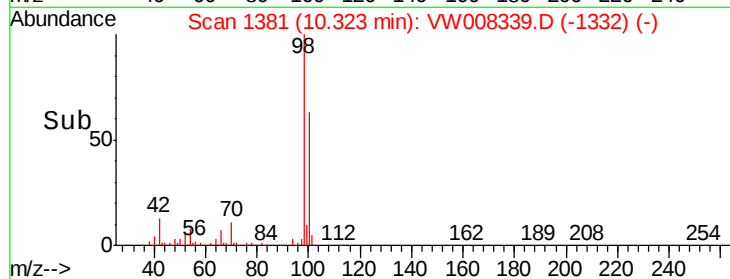
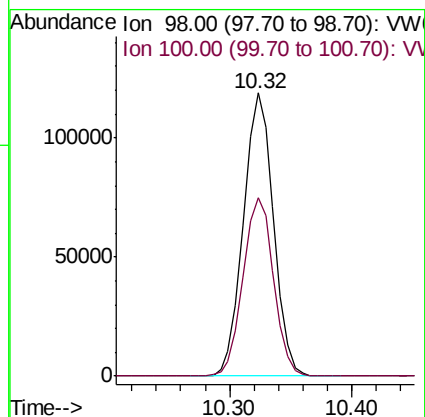
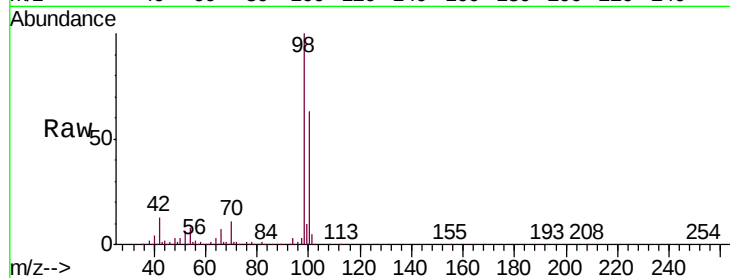
RBR200034

Tgt Ion: 98 Resp: 202718

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 45.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

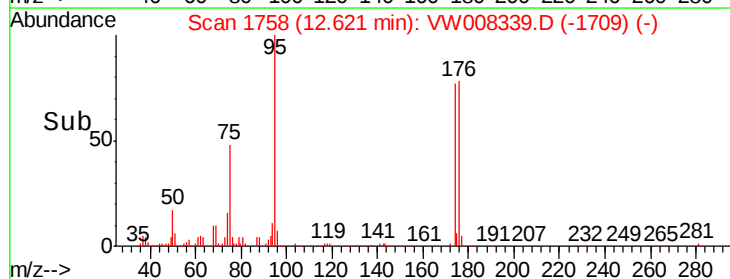
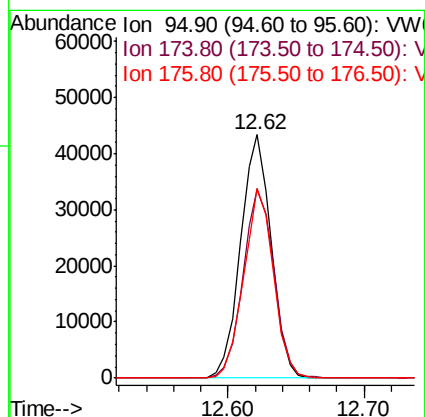
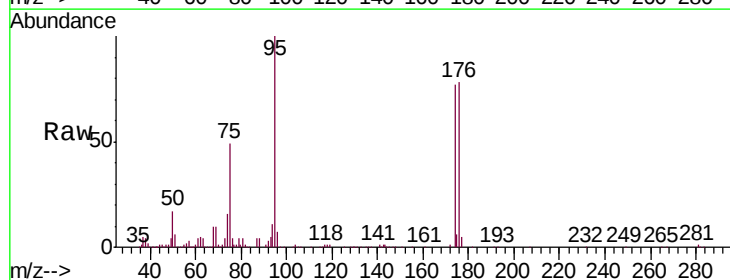
Tgt Ion: 95 Resp: 67754

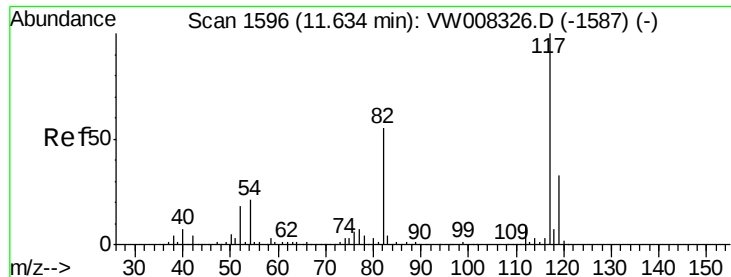
Ion Ratio Lower Upper

95 100

174 79.1 0.0 166.0

176 76.2 0.0 160.0

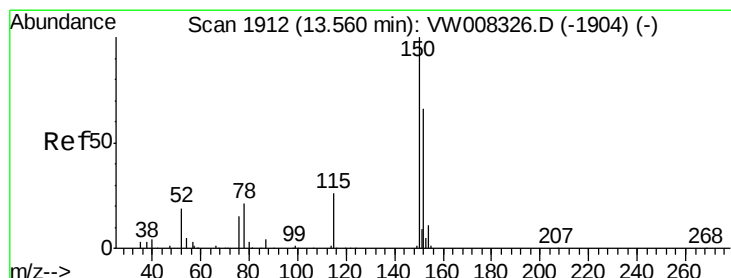
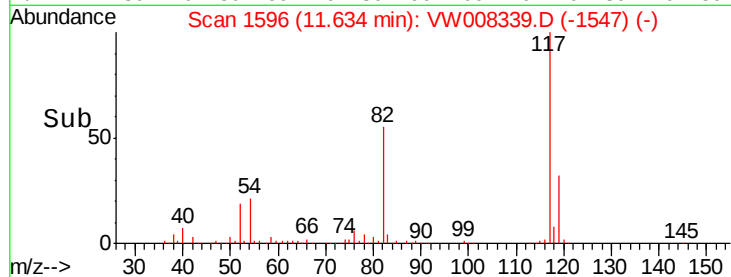
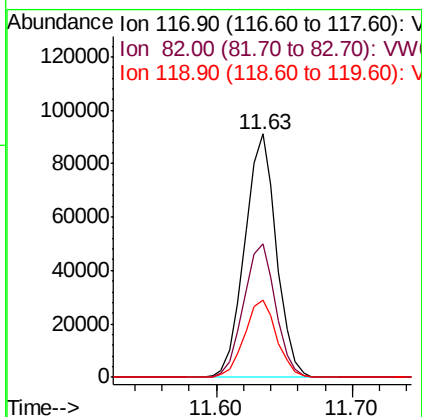
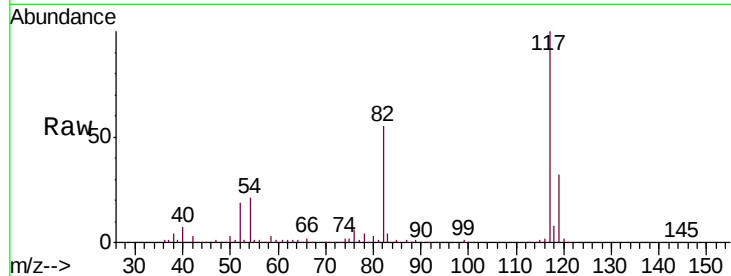




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008339.D
Acq: 17 Jan 2019 20:12

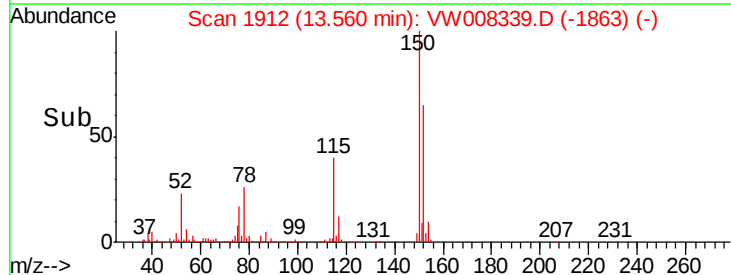
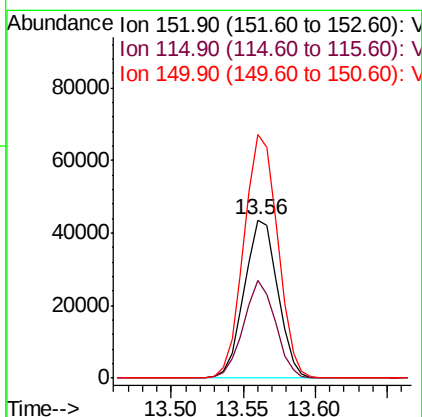
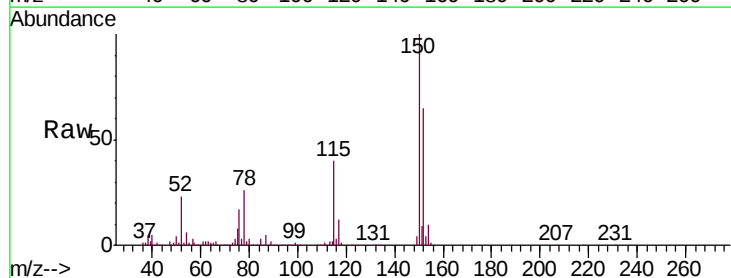
Instrument :
MSVOA_W
ClientSampleId :
RBR200034

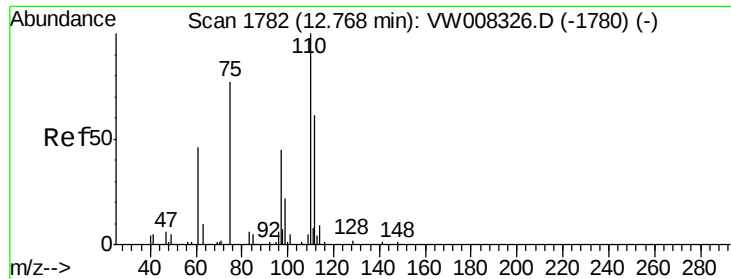
Tgt Ion:117 Resp: 148061
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008339.D
Acq: 17 Jan 2019 20:12

Tgt Ion:152 Resp: 70051
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.4
150 155.4 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 53.281 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

Instrument :

MSVOA_W

ClientSampleId :

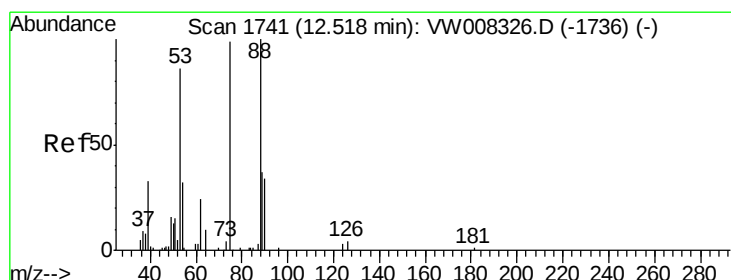
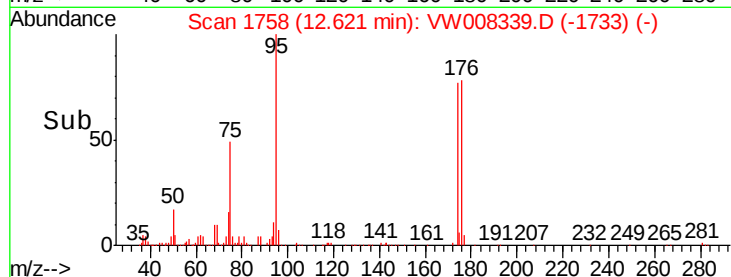
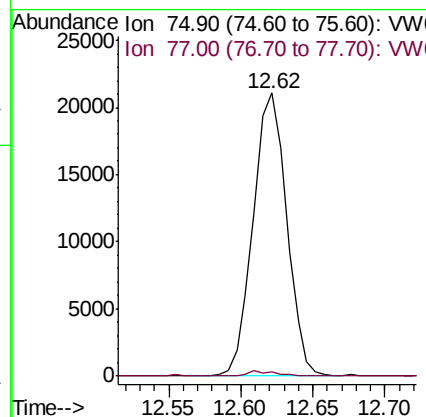
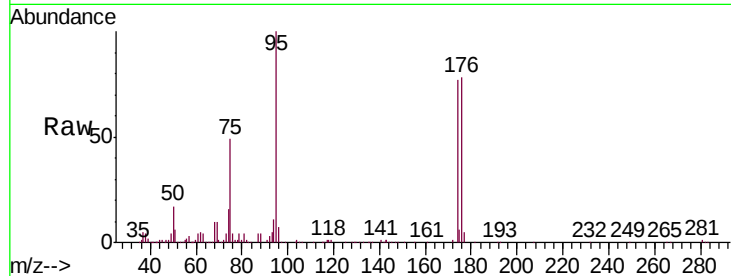
RBR200034

Tgt Ion: 75 Resp: 33989

Ion Ratio Lower Upper

75 100

77 1.5 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.150 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008339.D

Acq: 17 Jan 2019 20:12

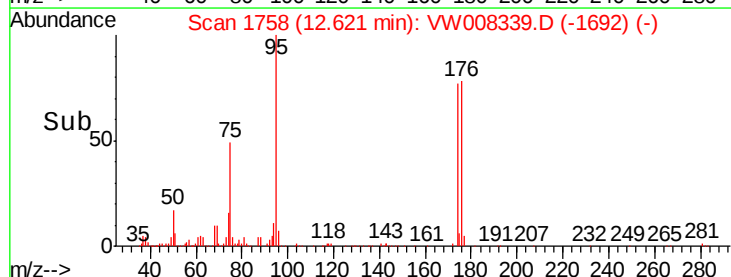
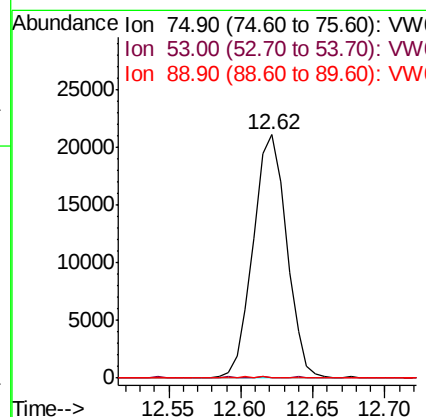
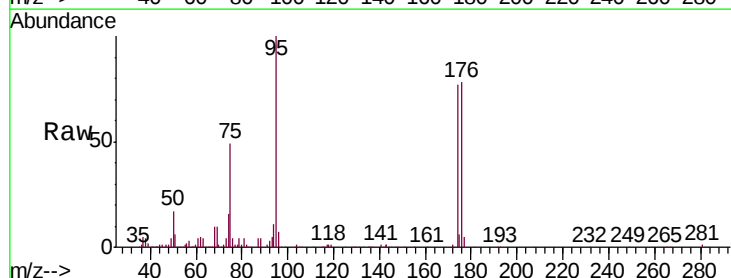
Tgt Ion: 75 Resp: 33989

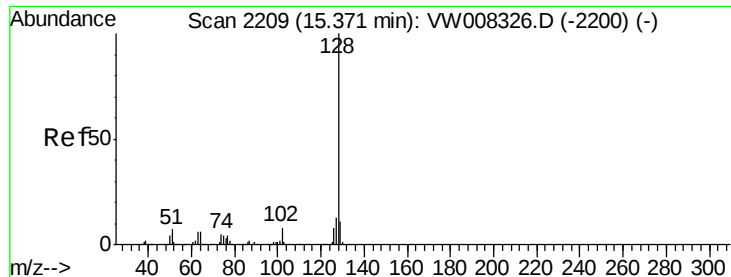
Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.4#

89 0.4 36.7 55.1#





#95
Naphthalene
Concen: 3.770 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008339.D
Acq: 17 Jan 2019 20:12

Instrument :
MSVOA_W
ClientSampleId :
RBR200034

Tgt Ion:128 Resp: 4062
Ion Ratio Lower Upper
128 100
127 18.5 10.5 15.7#
129 11.5 8.8 13.2

