

Data File : VW008345.D
Acq On : 17 Jan 2019 22:53
Operator : SY/VA
Sample : K1173-03
Misc : 3.64G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

Quant Time: Jan 18 01:13:01 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	63851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	117214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	39467	59.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.84%	
35) Dibromofluoromethane	7.88	113	37978	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.32	98	154471	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.62	95	50003	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

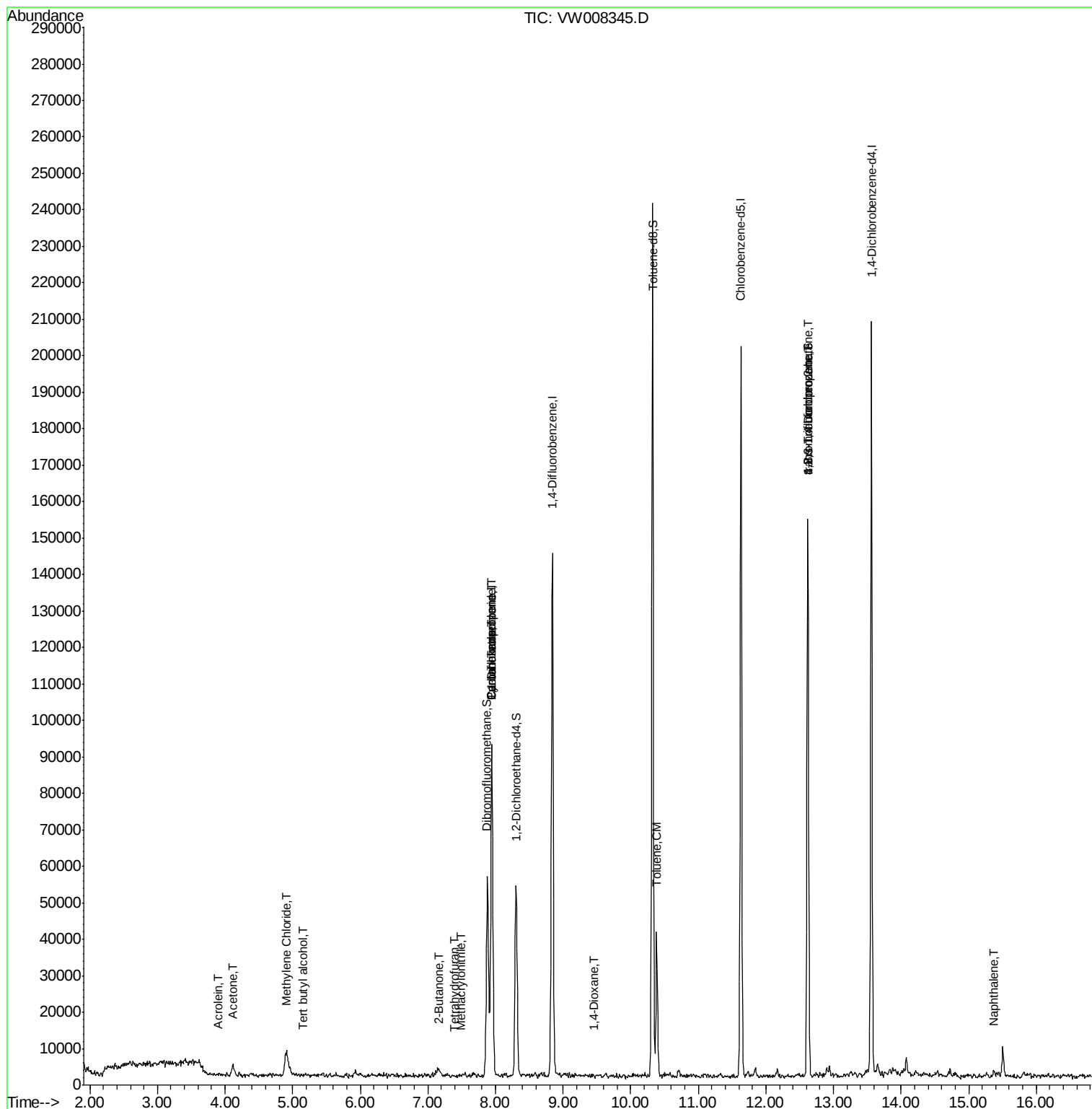
						Qvalue
11) Tert butyl alcohol	5.16	59	308	6.887	ug/l #	69
13) Acrolein	3.89	56	60	9.025	ug/l #	17
16) Acetone	4.12	43	5208	33.763	ug/l #	88
20) Methylene Chloride	4.91	84	6125	5.392	ug/l	94
25) 2-Butanone	7.16	43	293	1.483	ug/l	93
29) Tetrahydrofuran	7.40	42	218	1.770	ug/l	96
31) Cyclohexane	7.94	56	1915	1.544	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	5626	4.771	ug/l #	53
38) Carbon Tetrachloride	7.95	117	6960	5.977	ug/l #	18
41) Methacrylonitrile	7.49	41	382	1.349	ug/l #	65
49) 1,4-Dioxane	9.45	88	142	20.397	ug/l #	7
52) Toluene	10.38	92	16644	7.873	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	24961	55.239	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	24961	131.823	ug/l #	11
95) Naphthalene	15.37	128	1364	3.012	ug/l #	89

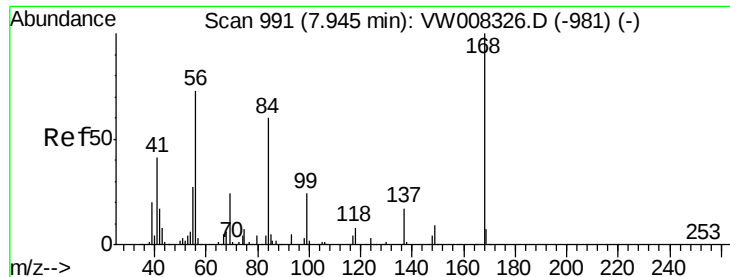
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

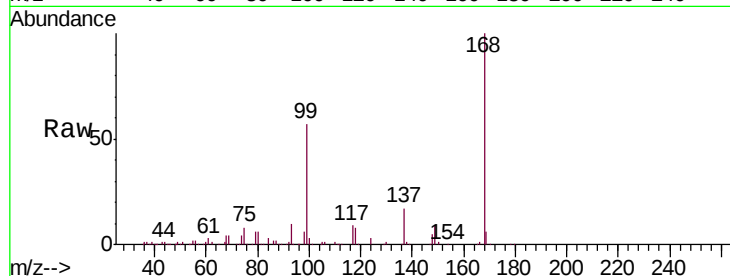
RBR-200050

Tgt Ion:168 Resp: 63851

Ion Ratio Lower Upper

168 100

99 56.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

20000

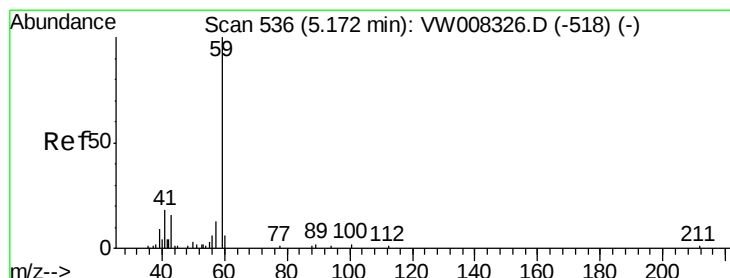
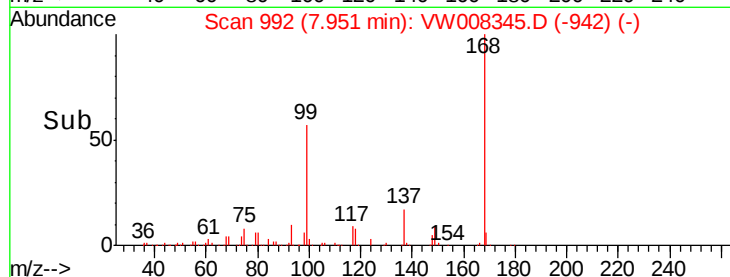
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 6.887 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW008345.D

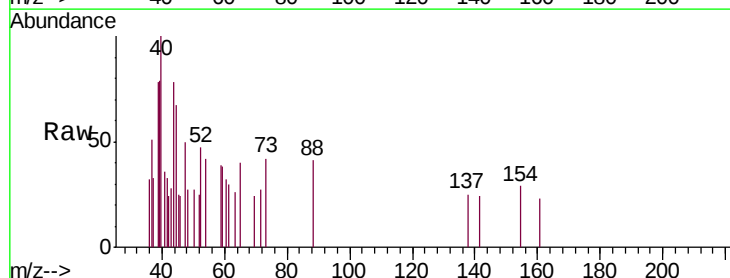
Acq: 17 Jan 2019 22:53

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

150

100

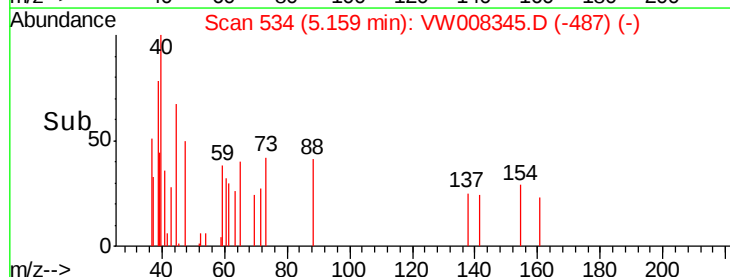
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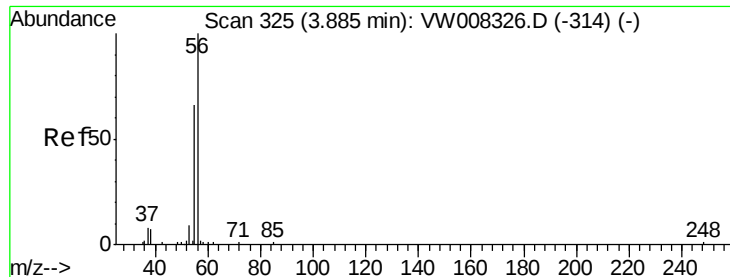
0

5.15

5.20

Time-->





#13

Acrolein

Concen: 9.025 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

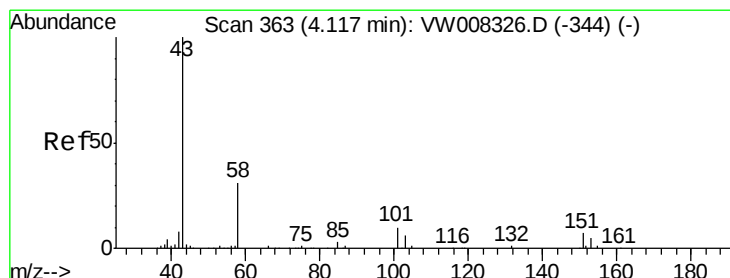
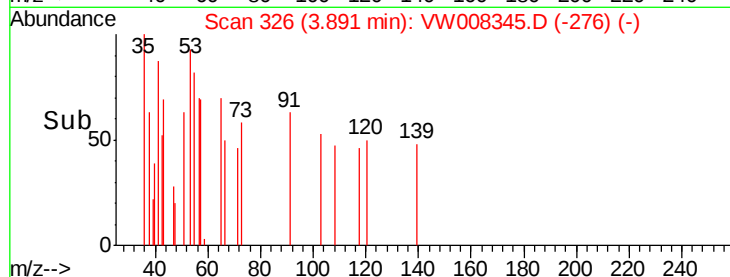
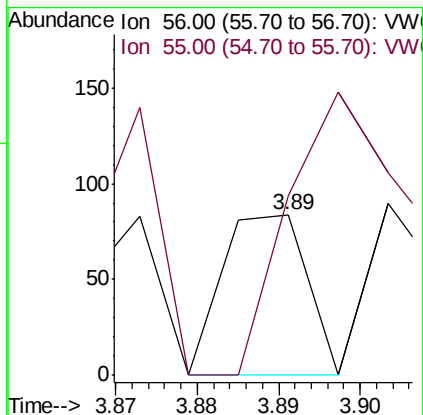
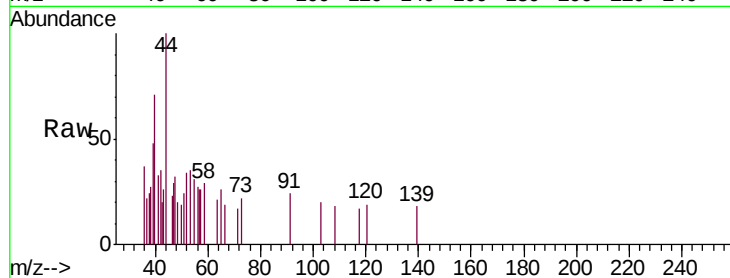
RBR-200050

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

55 0.0 52.9 79.3#



#16

Acetone

Concen: 33.763 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008345.D

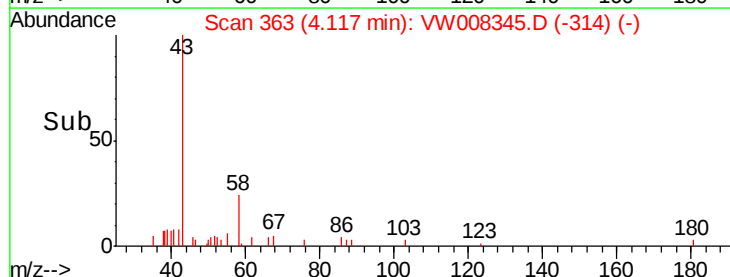
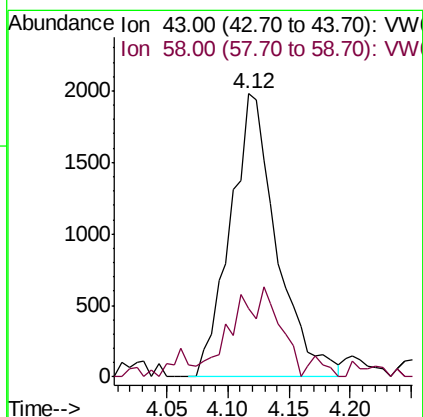
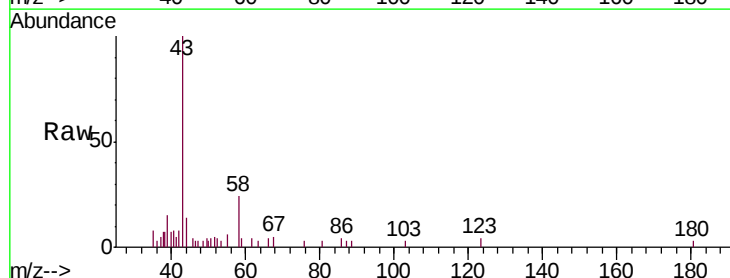
Acq: 17 Jan 2019 22:53

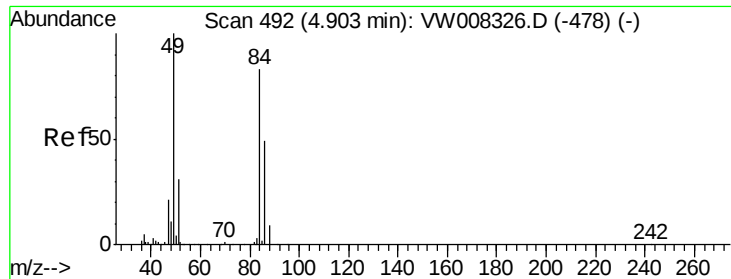
Tgt Ion: 43 Resp: 5208

Ion Ratio Lower Upper

43 100

58 24.3 24.7 37.1#

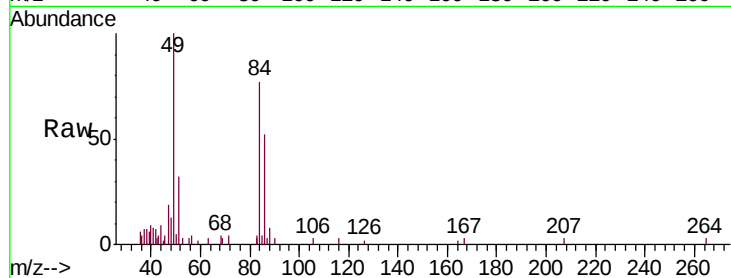




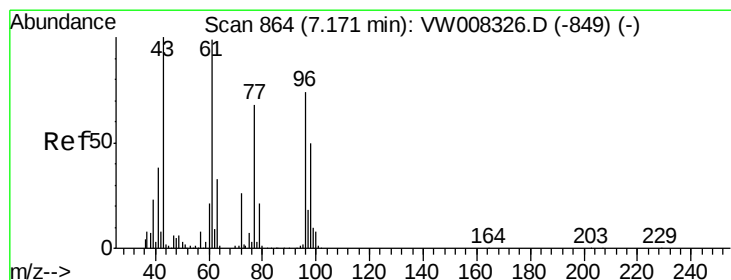
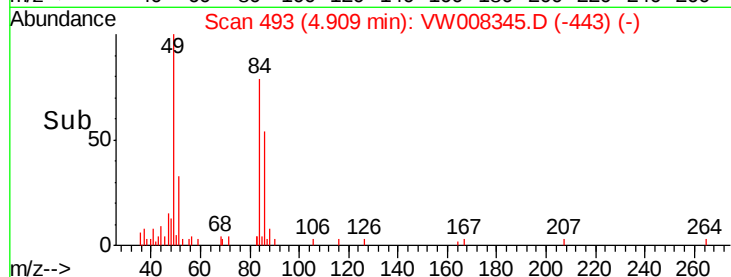
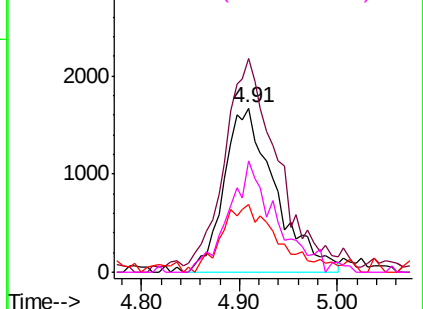
#20
Methylene Chloride
Concen: 5.392 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

Tgt Ion:	84	Resp:	6125
Ion	Ratio	Lower	Upper
84	100		
49	124.0	95.9	143.9
51	38.0	29.3	43.9
86	68.1	47.4	71.2

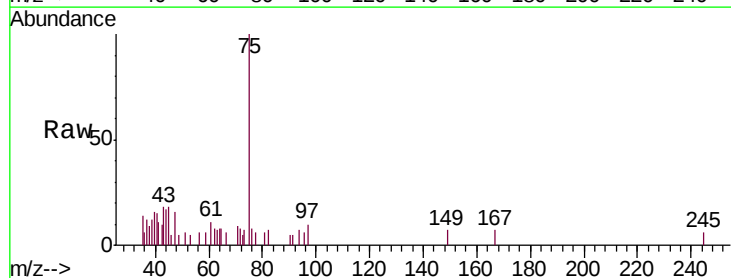


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

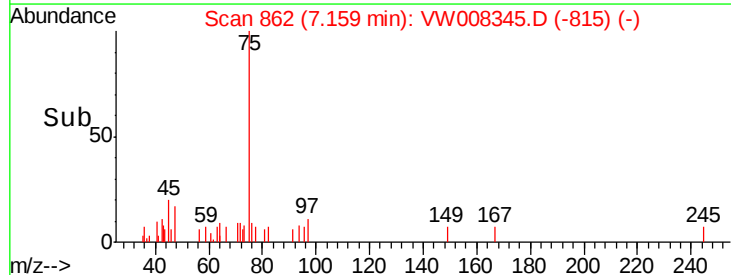
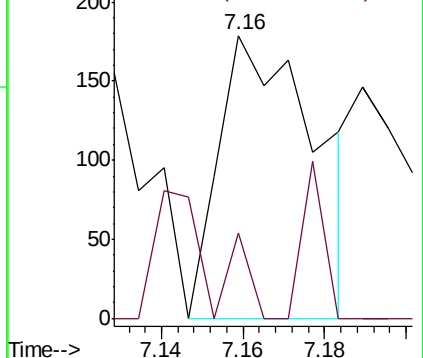


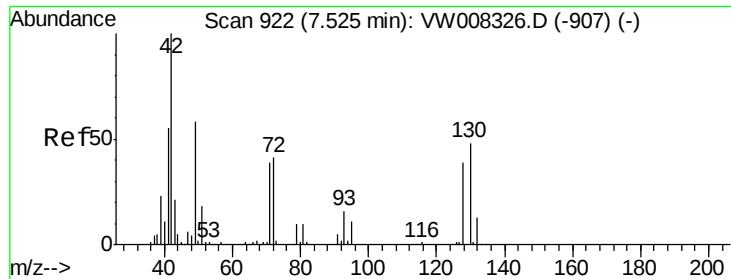
#25
2-Butanone
Concen: 1.483 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Tgt Ion:	43	Resp:	293
Ion	Ratio	Lower	Upper
43	100		
72	30.2	21.2	31.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

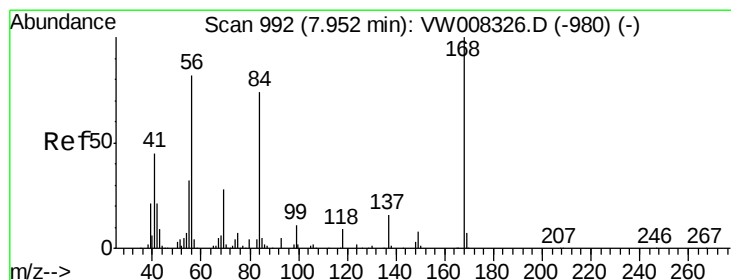
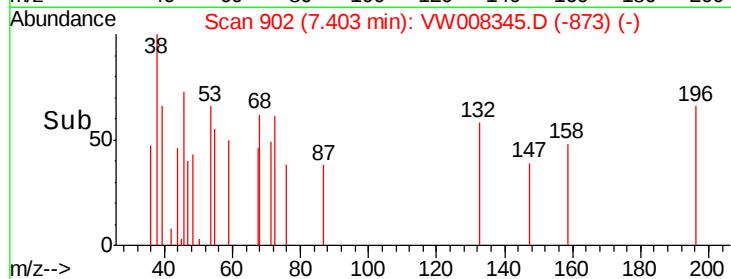
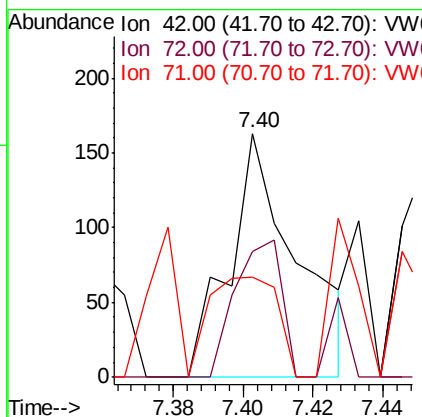
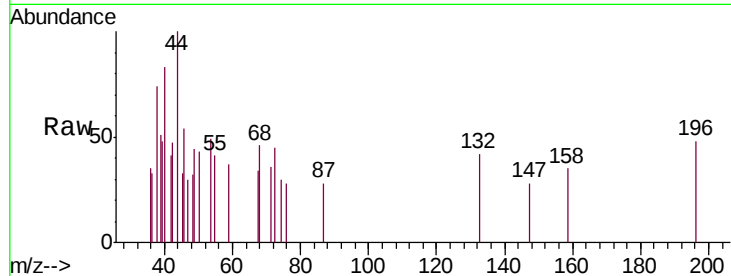




#29
Tetrahydrofuran
Concen: 1.770 ug/l
RT: 7.40 min Scan# 902
Delta R.T. -0.12 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

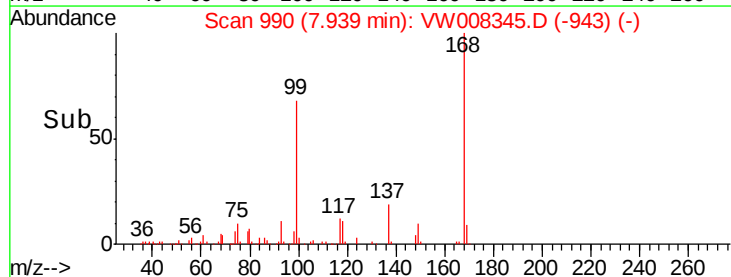
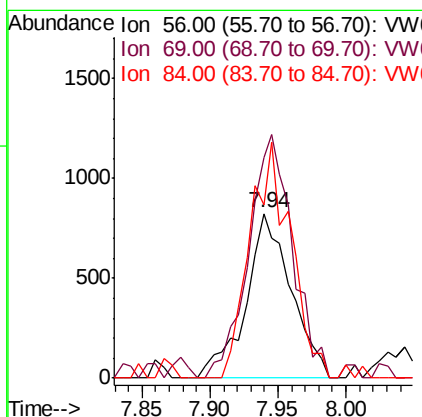
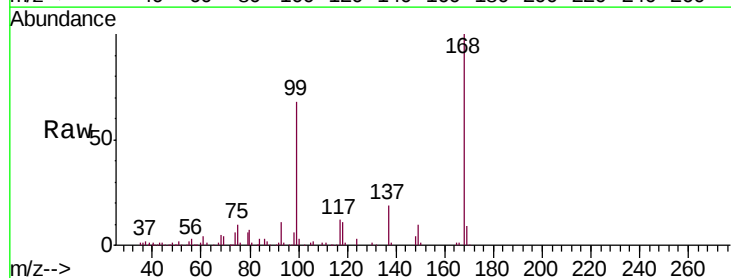
Instrument :
MSVOA_W
ClientSampled :
RBR-200050

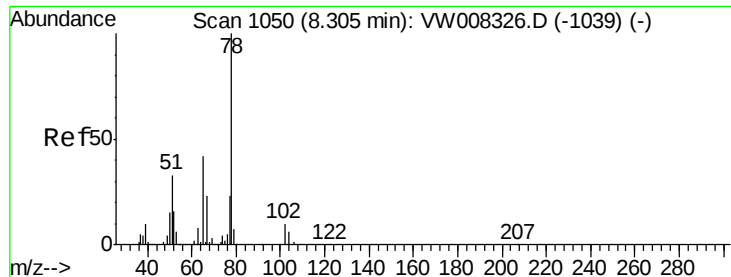
Tgt Ion: 42 Resp: 218
Ion Ratio Lower Upper
42 100
72 39.0 34.0 51.0
71 41.7 32.0 48.0



#31
Cyclohexane
Concen: 1.544 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Tgt Ion: 56 Resp: 1915
Ion Ratio Lower Upper
56 100
69 133.9 27.0 40.6#
84 105.1 72.5 108.7





#33

1,2-Dichloroethane-d4

Concen: 59.421 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

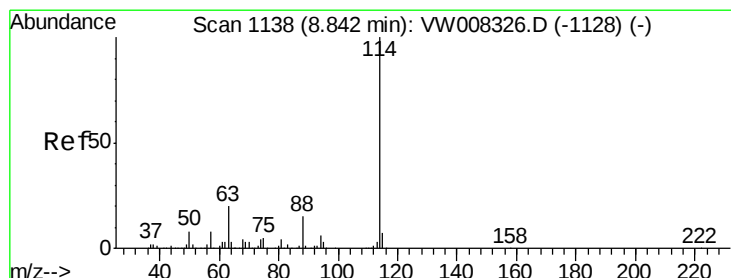
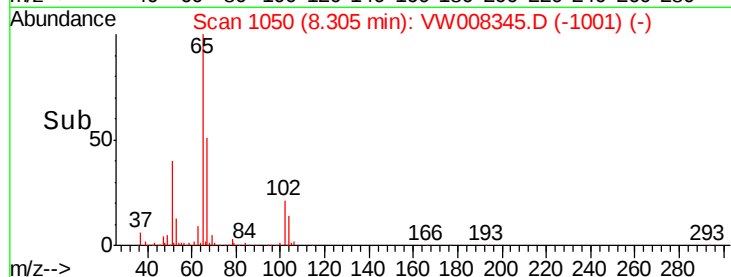
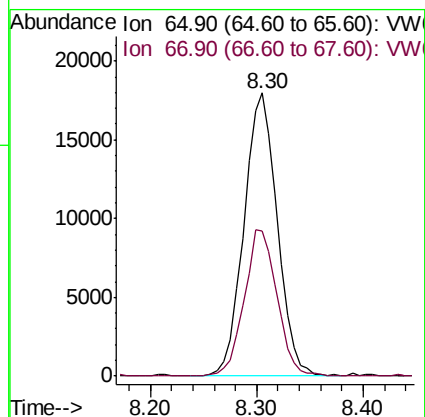
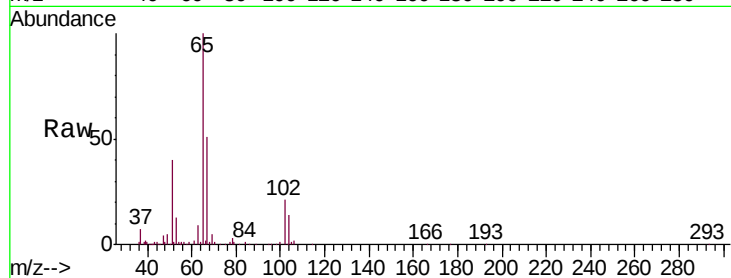
RBR-200050

Tgt Ion: 65 Resp: 39467

Ion Ratio Lower Upper

65 100

67 50.9 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: VW008345.D

Acq: 17 Jan 2019 22:53

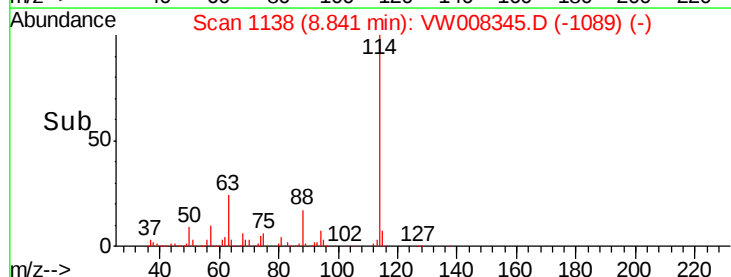
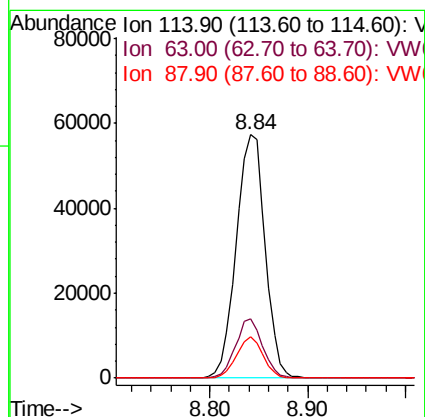
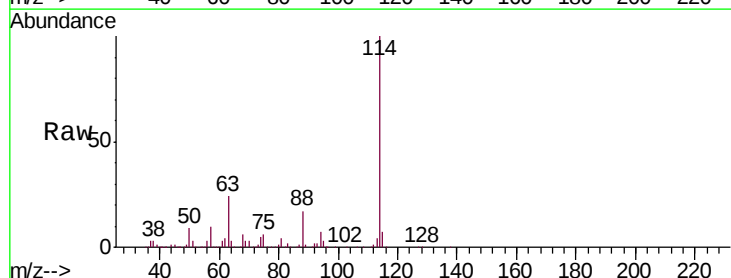
Tgt Ion: 114 Resp: 117214

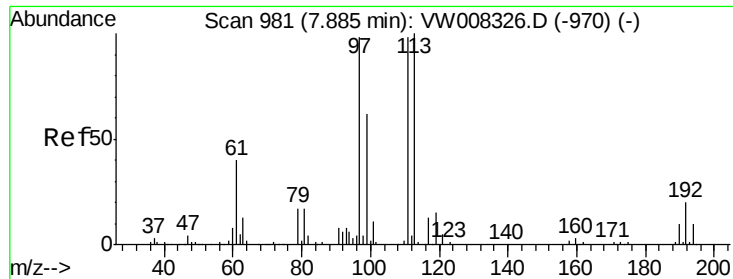
Ion Ratio Lower Upper

114 100

63 24.4 0.0 40.8

88 17.0 0.0 30.4

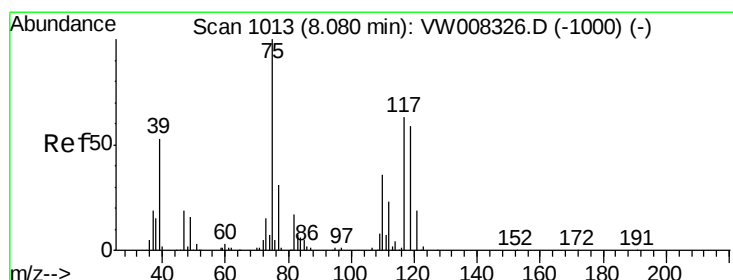
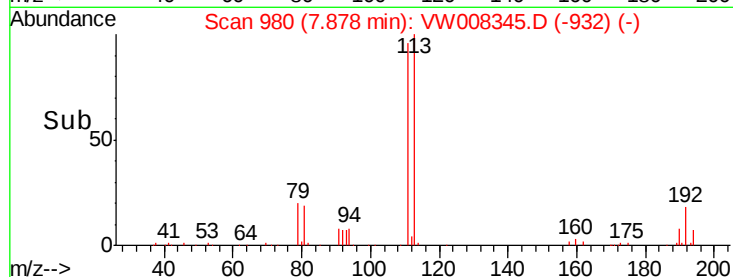
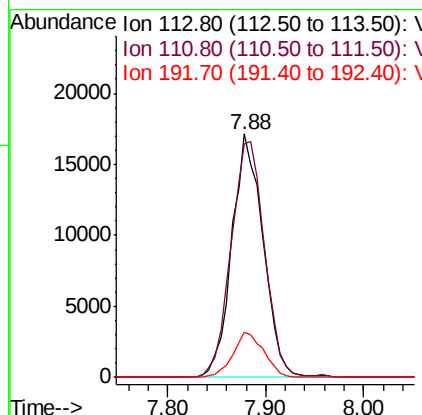
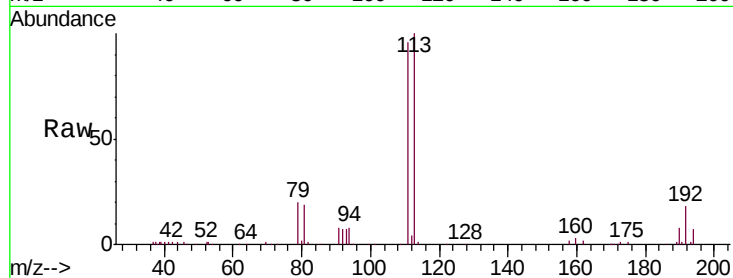




#35
 Dibromofluoromethane
 Concen: 50.758 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008345.D
 Acq: 17 Jan 2019 22:53

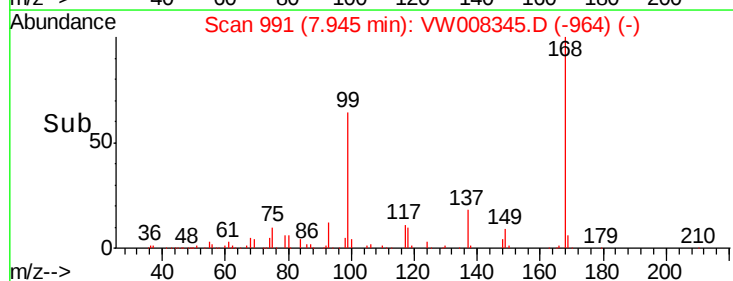
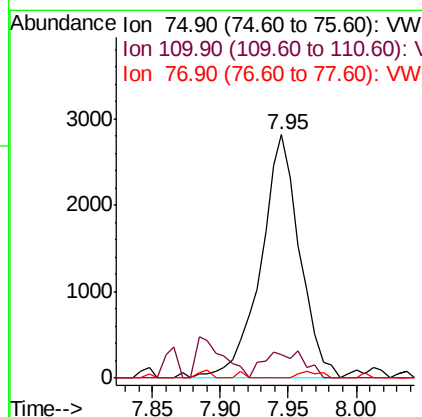
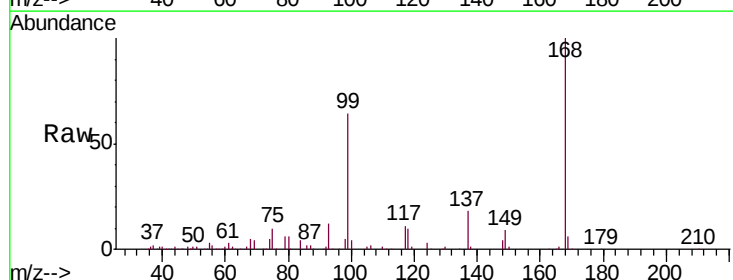
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200050

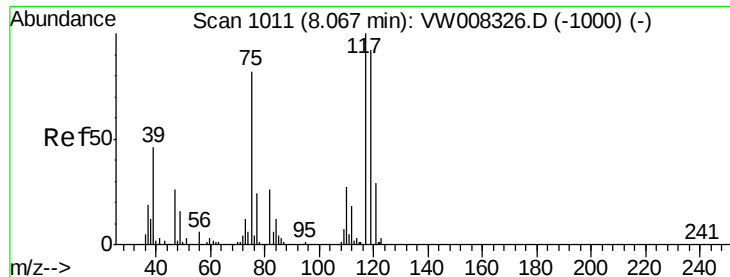
Tgt Ion:113 Resp: 37978
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.8 122.8
 192 18.2 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008345.D
 Acq: 17 Jan 2019 22:53

Tgt Ion: 75 Resp: 5626
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.5 52.6#
 77 1.7 25.0 37.6#

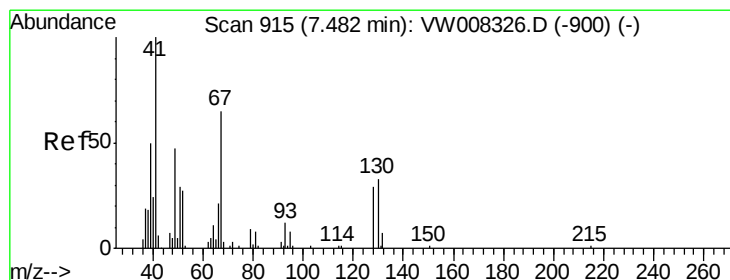
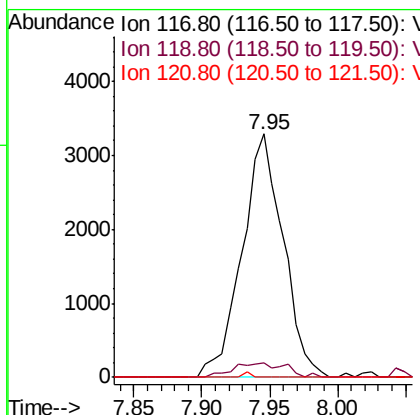
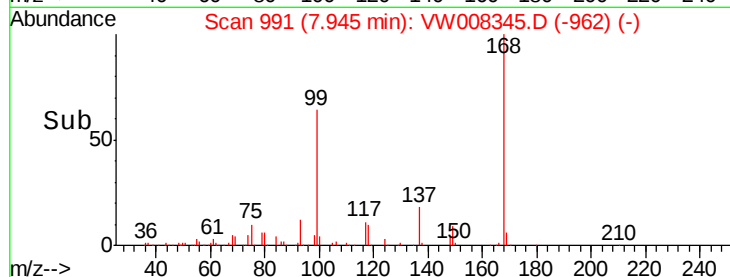
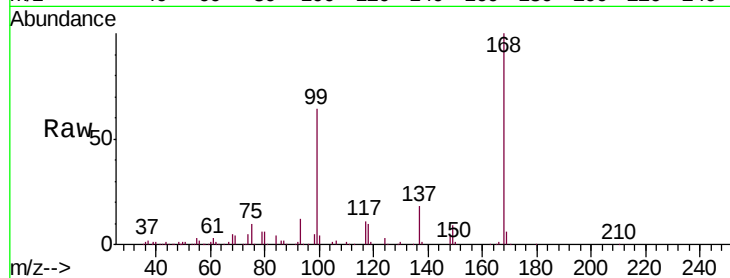




#38
Carbon Tetrachloride
Concen: 5.977 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

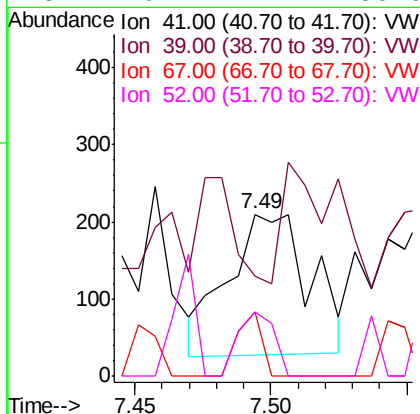
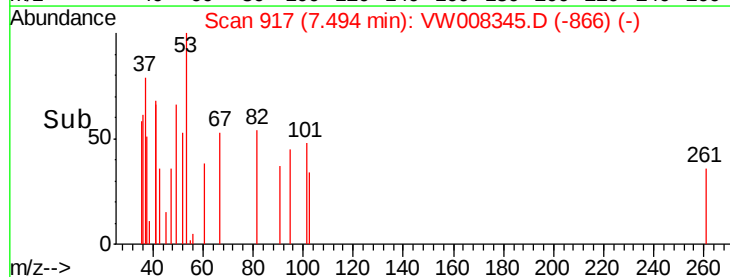
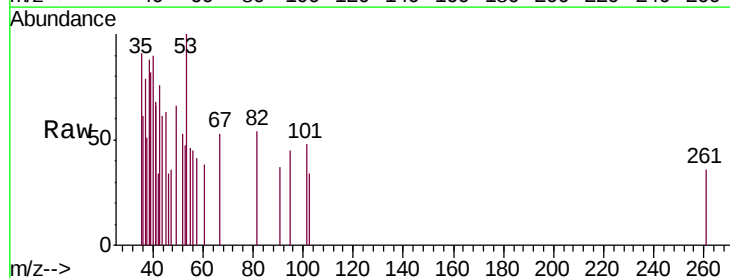
Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

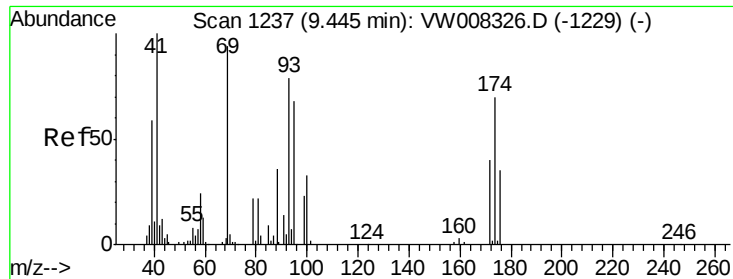
Tgt Ion: 117 Resp: 6960
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 23.4 35.0#



#41
Methacrylonitrile
Concen: 1.349 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Tgt Ion: 41 Resp: 382
Ion Ratio Lower Upper
41 100
39 55.8 44.9 67.3
67 13.6 56.9 85.3#
52 20.2 24.4 36.6#

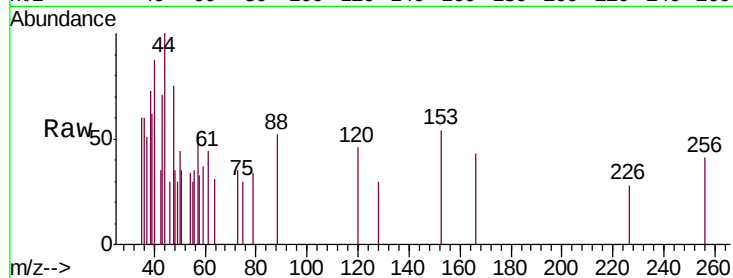




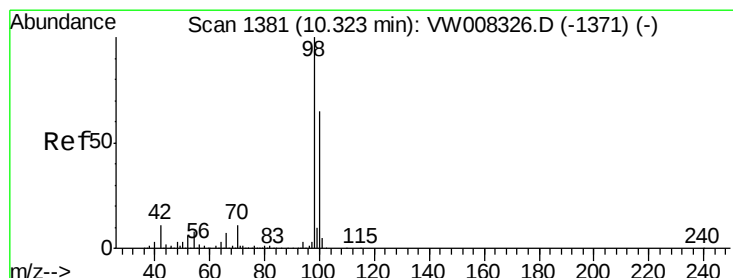
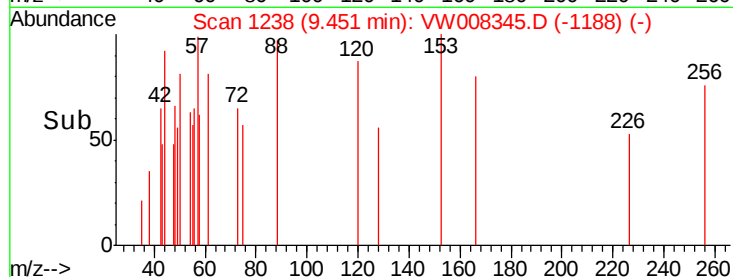
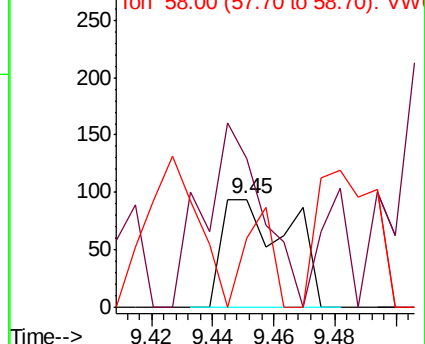
#49
1,4-Dioxane
Concen: 20.397 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 150.7 27.1 40.7#
58 38.0 57.9 86.9#

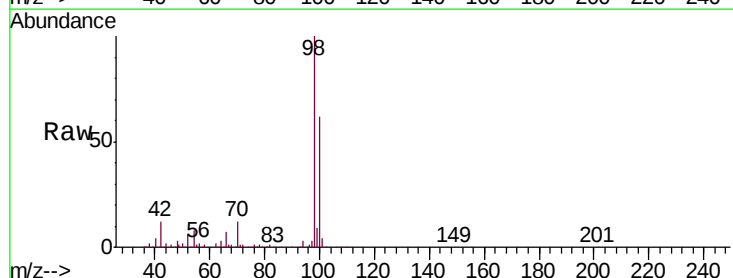


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

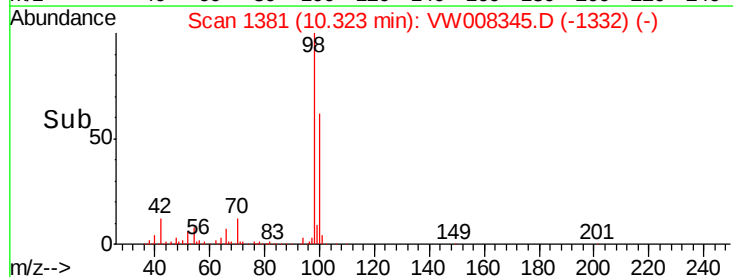
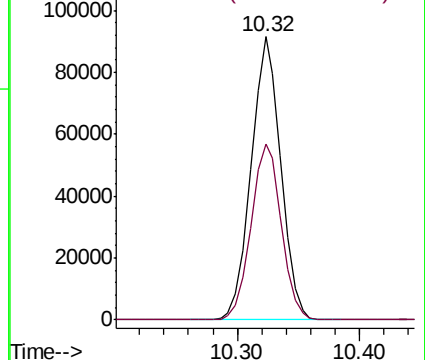


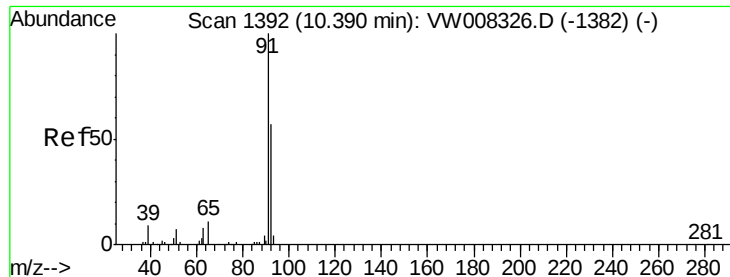
#50
Toluene-d8
Concen: 52.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Tgt Ion: 98 Resp: 154471
Ion Ratio Lower Upper
98 100
100 63.4 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: 7.873 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

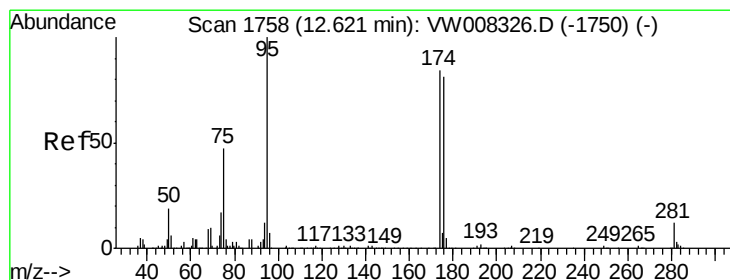
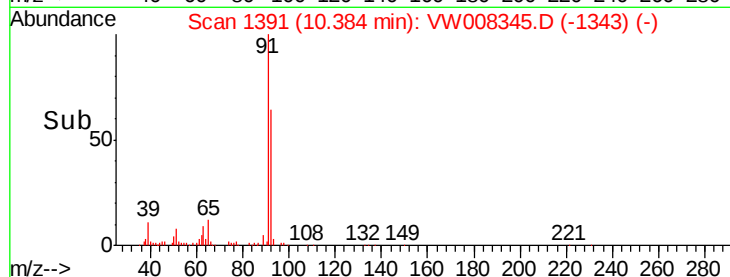
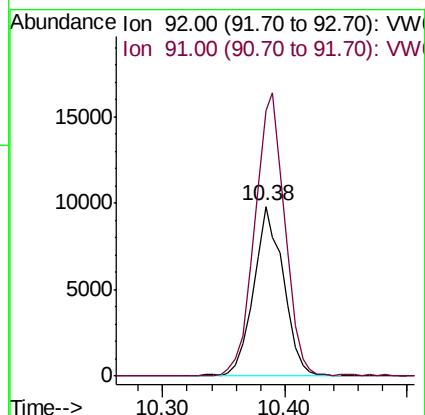
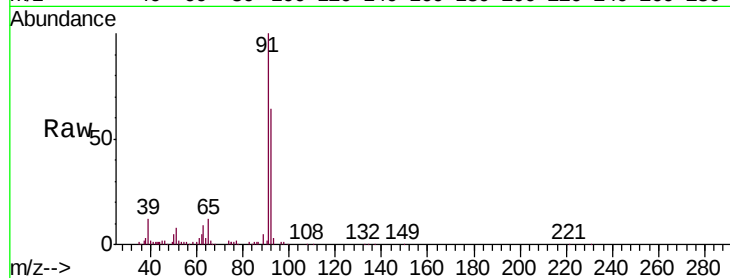
RBR-200050

Tgt Ion: 92 Resp: 16644

Ion Ratio Lower Upper

92 100

91 168.7 140.2 210.2



#62

4-Bromofluorobenzene

Concen: 47.431 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

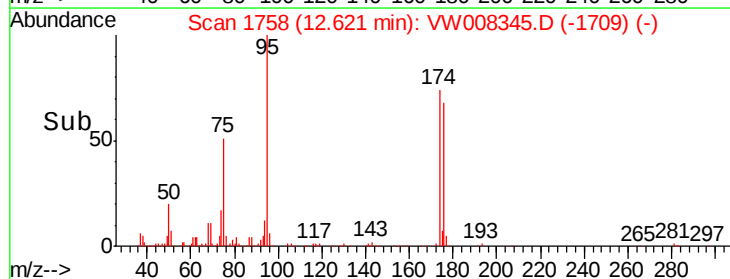
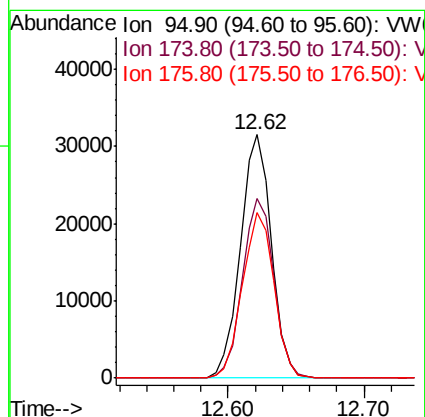
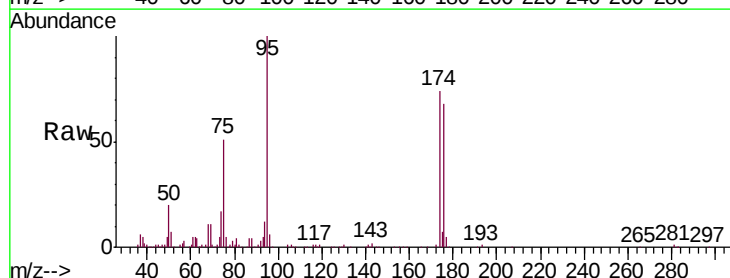
Tgt Ion: 95 Resp: 50003

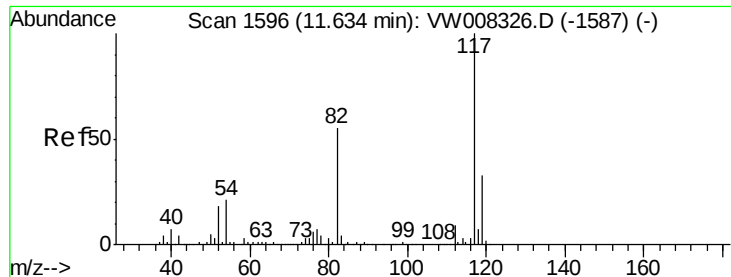
Ion Ratio Lower Upper

95 100

174 75.1 0.0 166.0

176 69.8 0.0 160.0

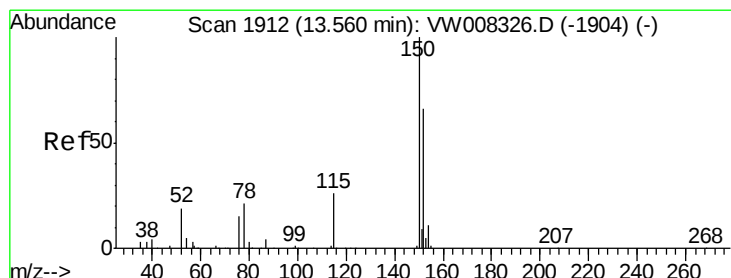
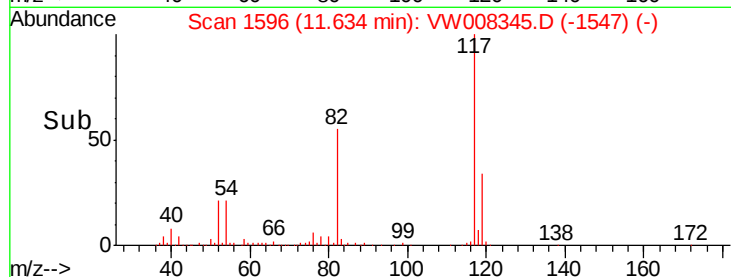
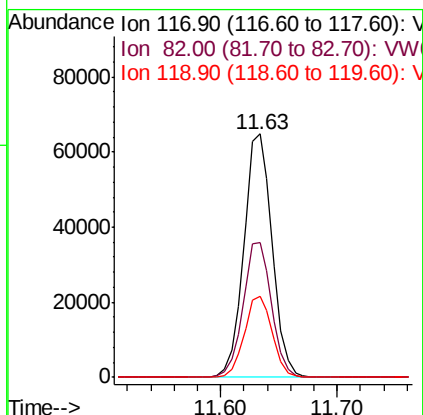
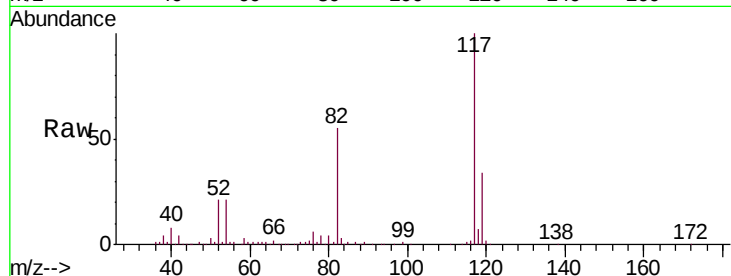




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

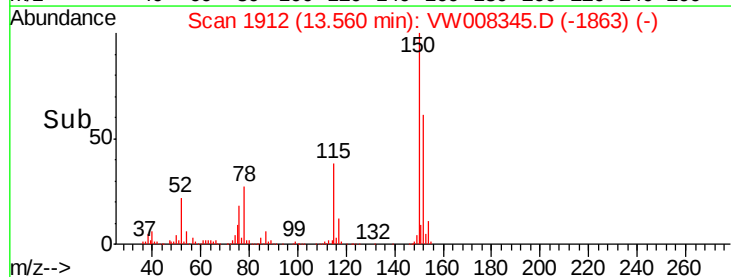
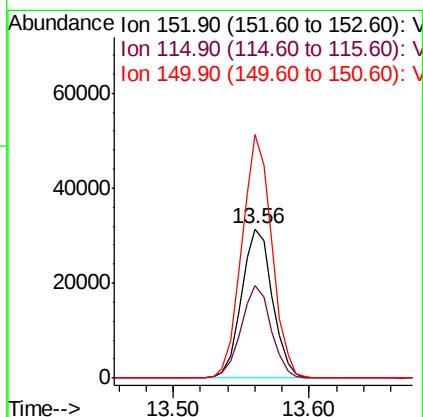
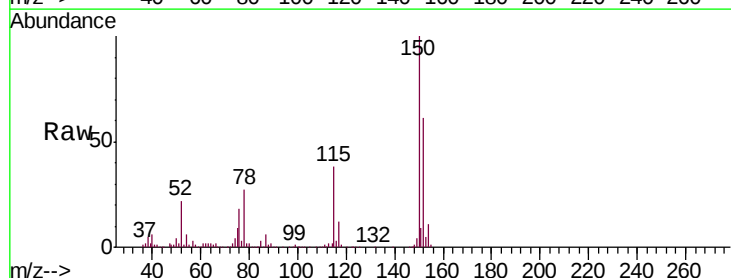
Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

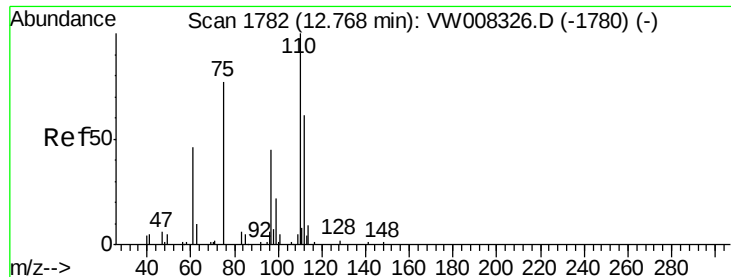
Tgt Ion:117 Resp: 109454
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 33.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Tgt Ion:152 Resp: 49621
Ion Ratio Lower Upper
152 100
115 60.7 28.8 86.4
150 158.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 55.239 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

Instrument :

MSVOA_W

ClientSampleId :

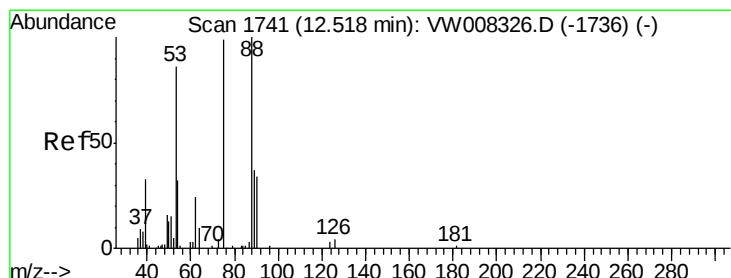
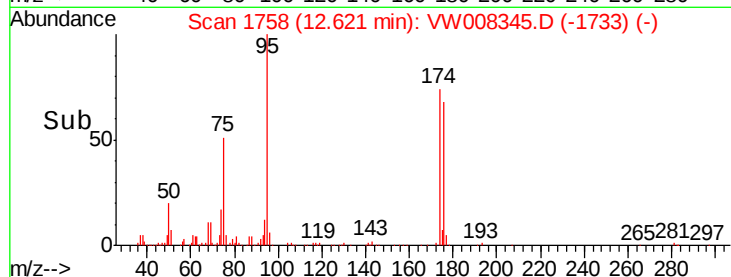
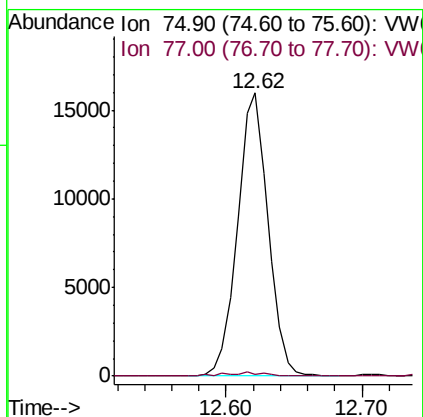
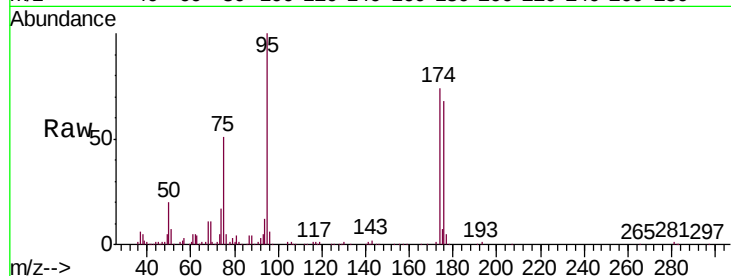
RBR-200050

Tgt Ion: 75 Resp: 24961

Ion Ratio Lower Upper

75 100

77 1.6 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.823 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008345.D

Acq: 17 Jan 2019 22:53

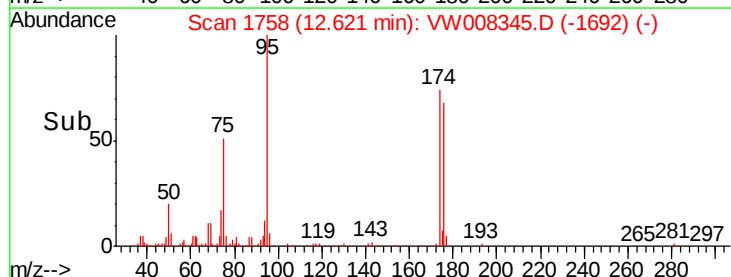
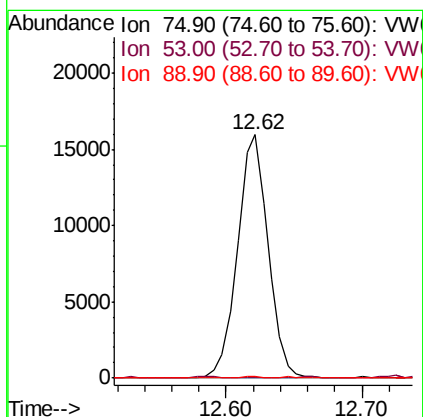
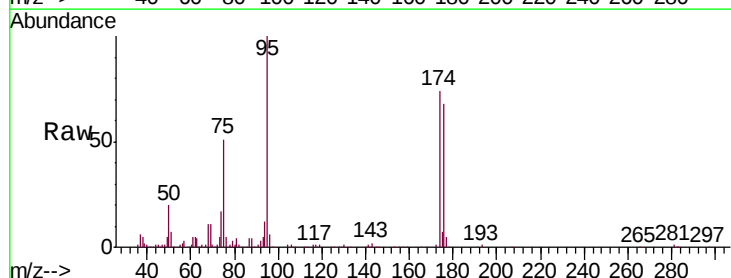
Tgt Ion: 75 Resp: 24961

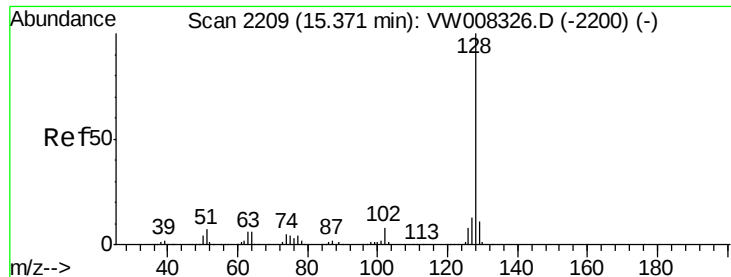
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.4 36.7 55.1#

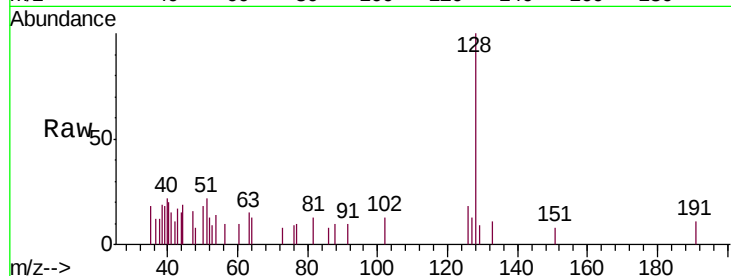




#95
Naphthalene
Concen: 3.012 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008345.D
Acq: 17 Jan 2019 22:53

Instrument :
MSVOA_W
ClientSampleId :
RBR-200050

Tgt Ion:128 Resp: 1364
Ion Ratio Lower Upper
128 100
127 6.5 10.5 15.7#
129 9.7 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

