

Data File : VW008778.D
Acq On : 21 Feb 2019 19:04
Operator : SY/VA
Sample : K1546-01RE
Misc : 6.60G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

Quant Time: Feb 22 00:49:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	571272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	200961	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
35) Dibromofluoromethane	7.88	113	172766	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.32	98	673864	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.62	95	232516	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	

Target Compounds

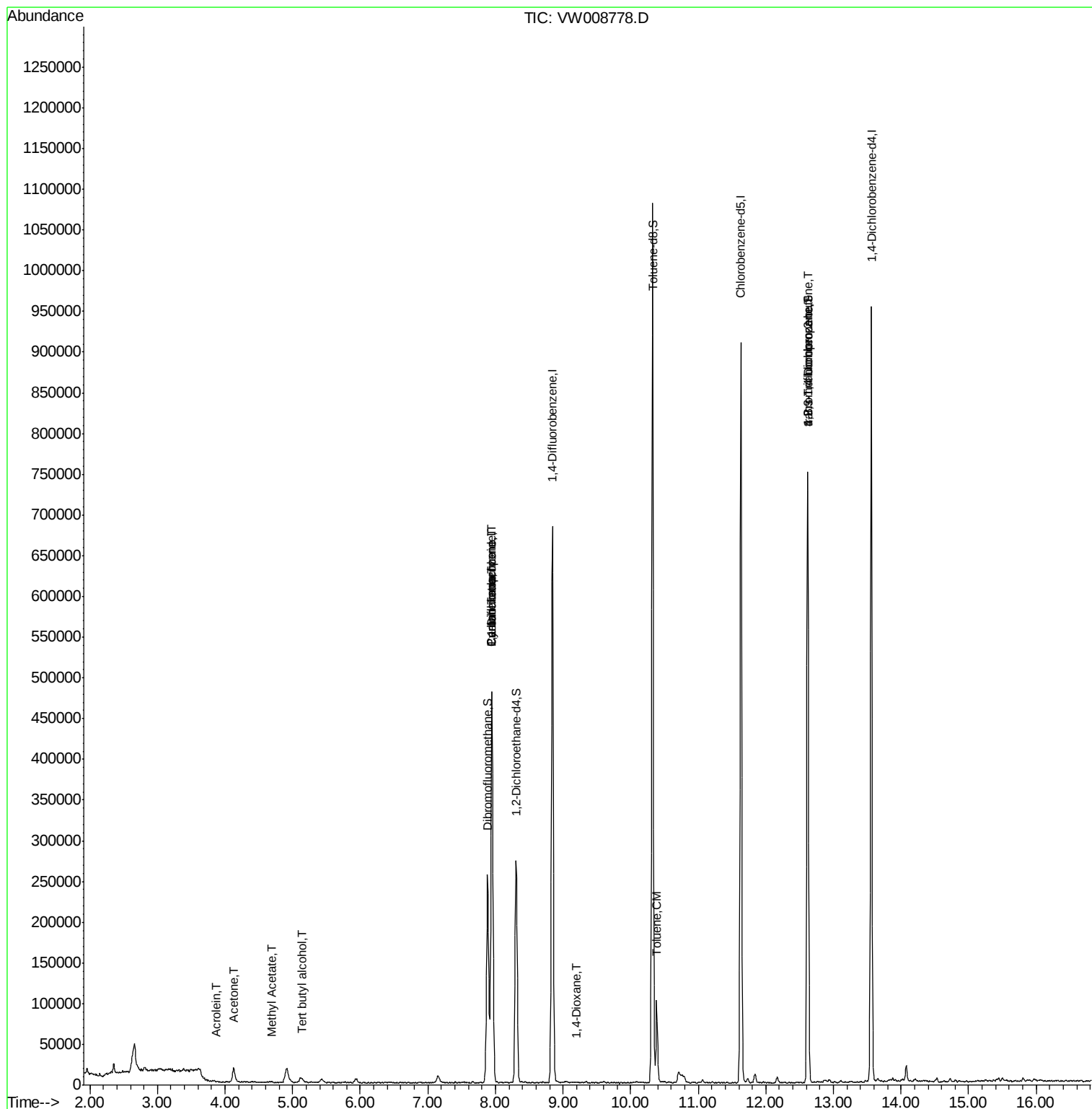
						Qvalue
11) Tert butyl alcohol	5.14	59	6460	20.844	ug/l #	77
13) Acrolein	3.87	56	127	20.138	ug/l #	44
16) Acetone	4.13	43	30452	37.738	ug/l	100
18) Methyl Acetate	4.68	43	2498	1.305	ug/l #	69
20) Methylene Chloride	4.91	84	14083	Below Cal	#	80
31) Cyclohexane	7.95	56	8504	1.296	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	27472	4.940	ug/l #	50
38) Carbon Tetrachloride	7.95	117	35464	6.047	ug/l #	16
49) 1,4-Dioxane	9.20	88	54	1.616	ug/l #	1
52) Toluene	10.39	92	41233	4.001	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	122356	61.832	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122356	150.319	ug/l #	6

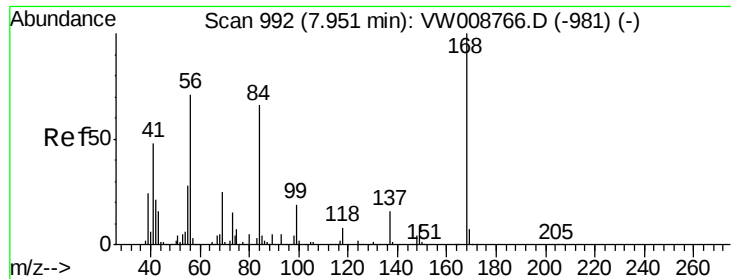
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

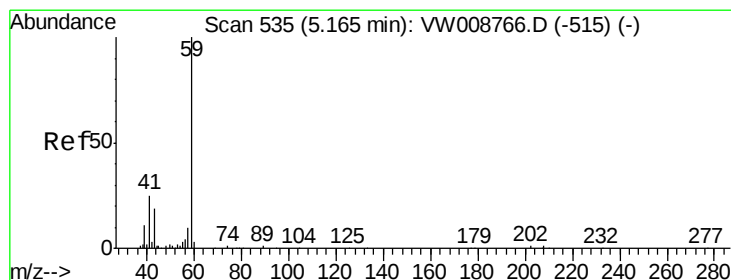
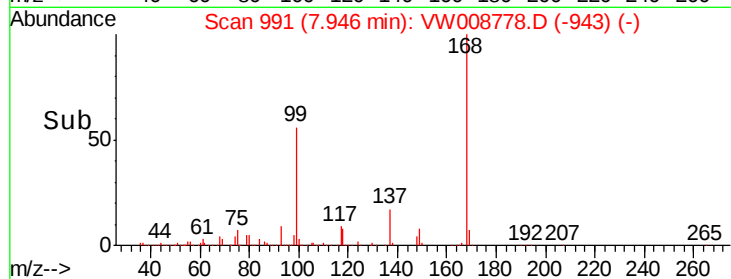
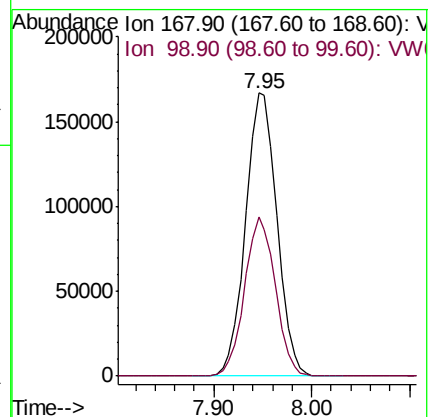
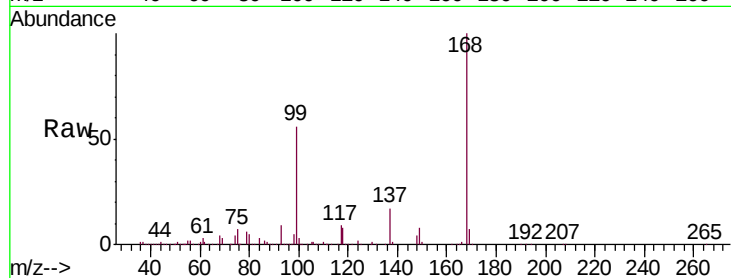
RBR-200036

Tgt Ion:168 Resp: 371173

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.2



#11

Tert butyl alcohol

Concen: 20.844 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW008778.D

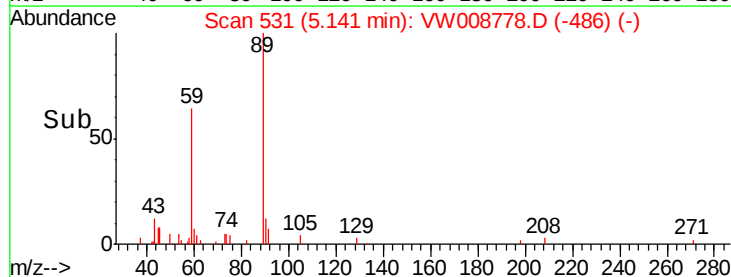
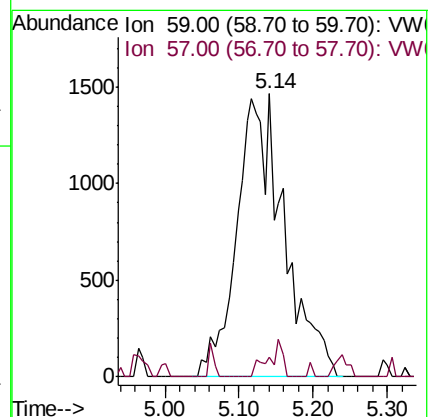
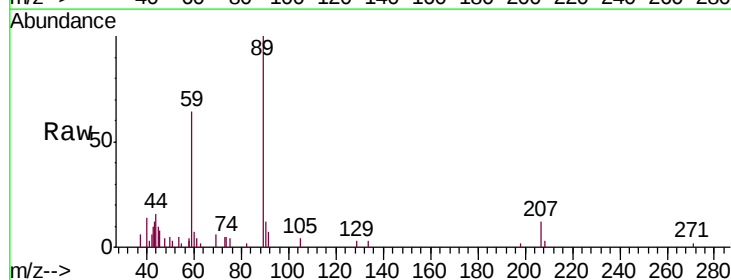
Acq: 21 Feb 2019 19:04

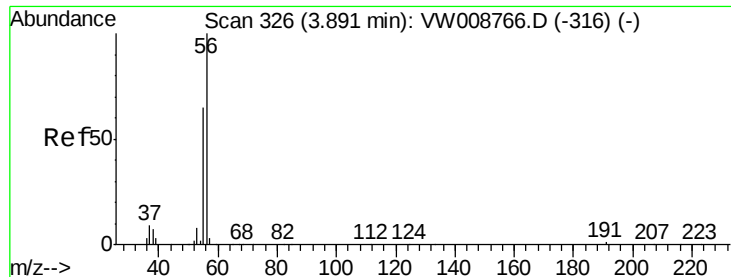
Tgt Ion: 59 Resp: 6460

Ion Ratio Lower Upper

59 100

57 2.6 9.3 13.9#





#13

Acrolein

Concen: 20.138 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008778.D

Acq: 21 Feb 2019 19:04

Instrument :

MSVOA_W

ClientSampled :

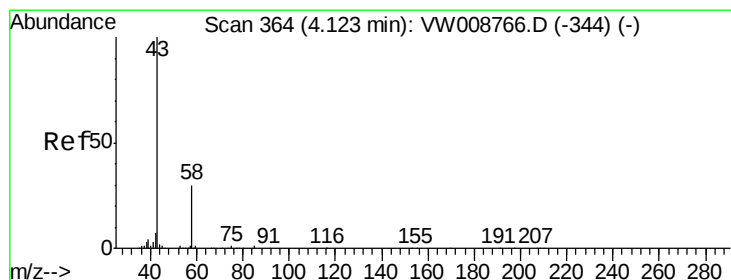
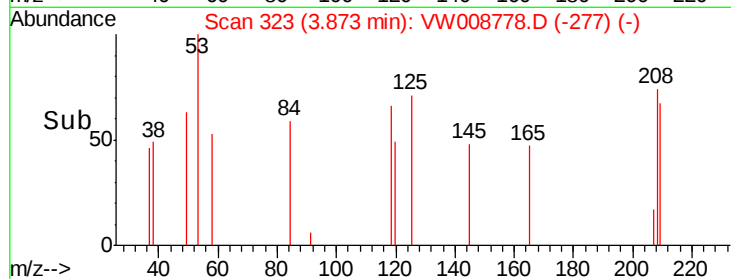
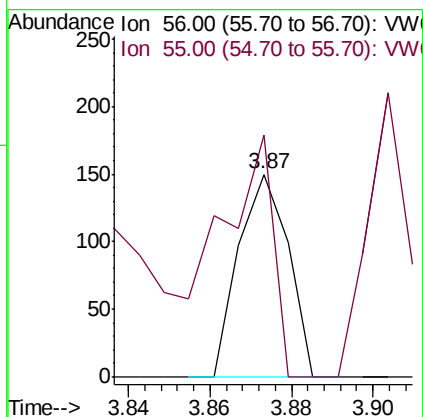
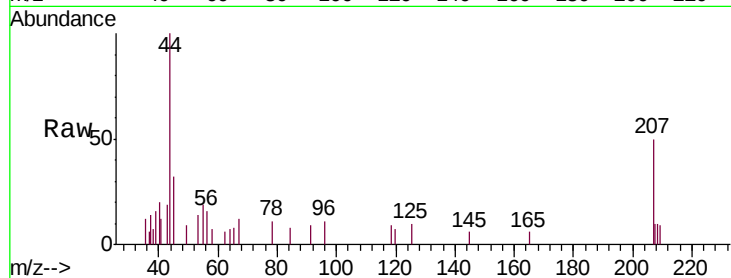
RBR-200036

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 117.3 56.9 85.3#



#16

Acetone

Concen: 37.738 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008778.D

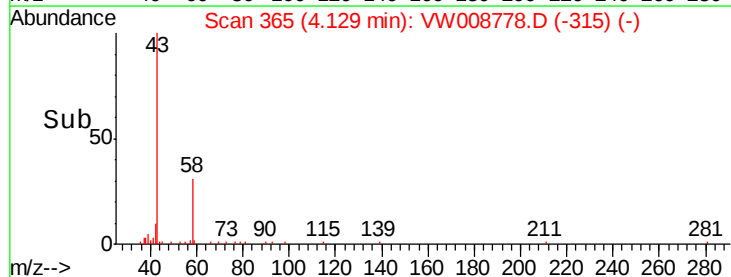
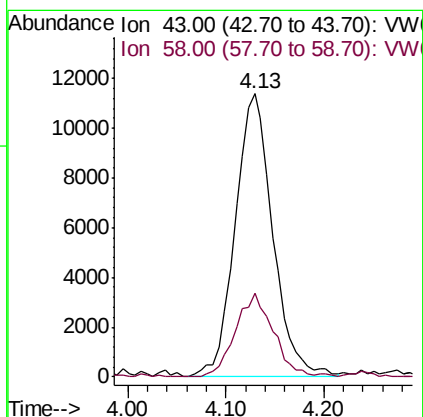
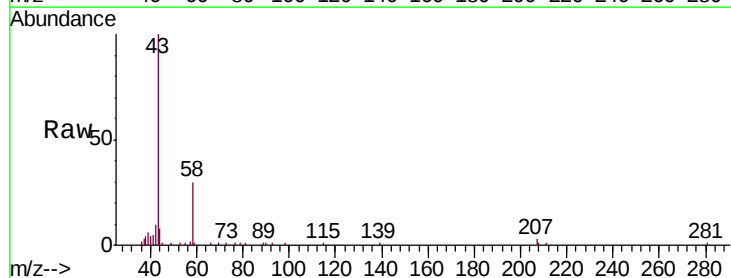
Acq: 21 Feb 2019 19:04

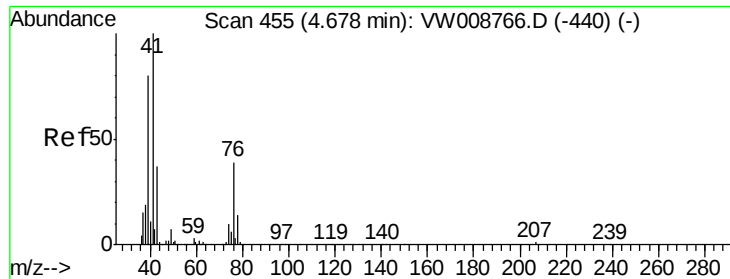
Tgt Ion: 43 Resp: 30452

Ion Ratio Lower Upper

43 100

58 29.7 23.8 35.6

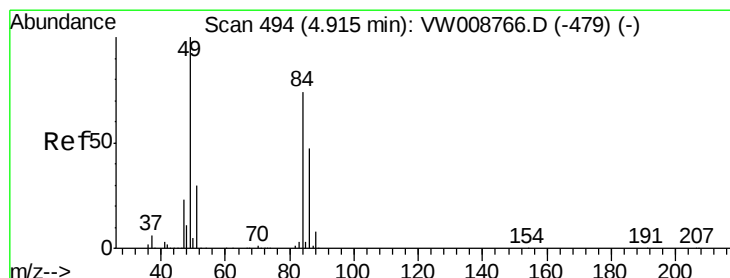
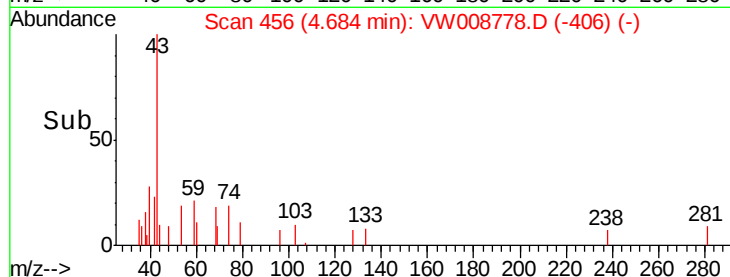
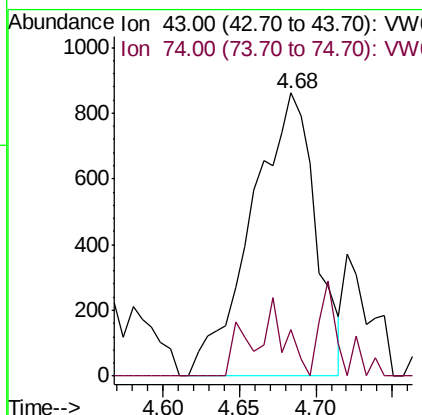
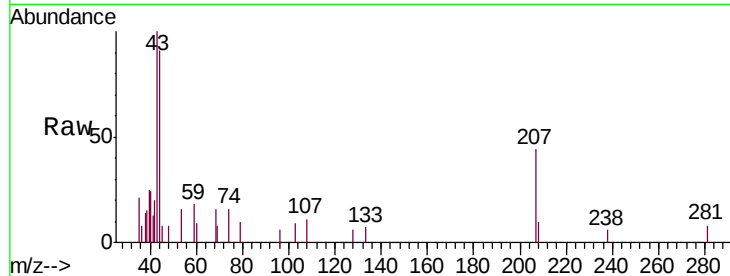




#18
Methyl Acetate
Concen: 1.305 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

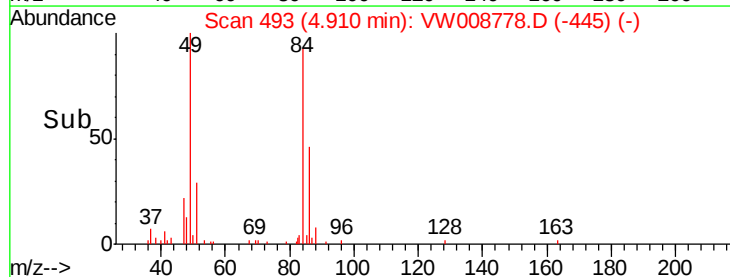
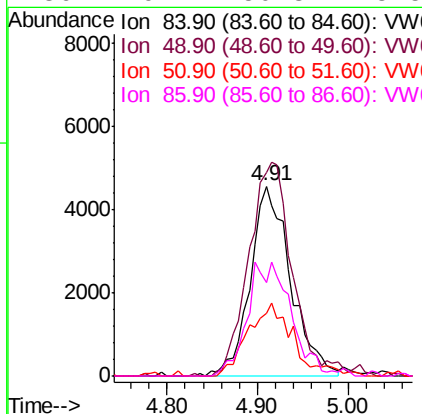
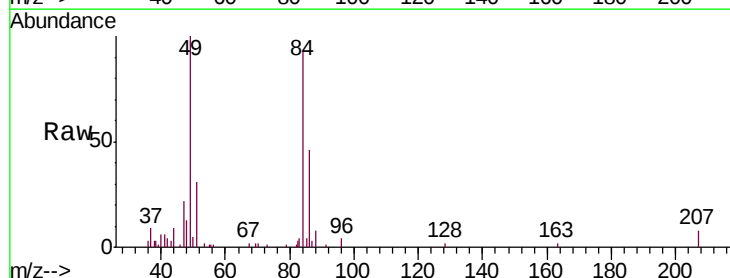
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

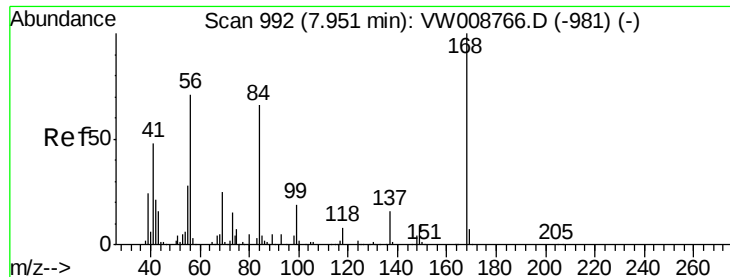
Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
74 8.7 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

Tgt Ion: 84 Resp: 14083
Ion Ratio Lower Upper
84 100
49 107.2 108.2 162.2#
51 32.8 32.7 49.1
86 49.4 50.3 75.5#

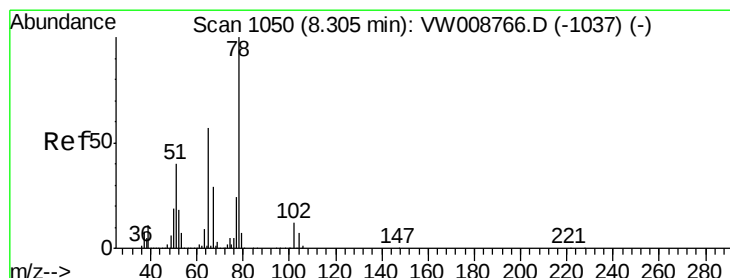
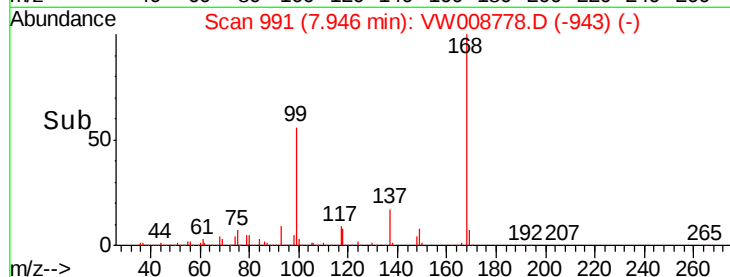
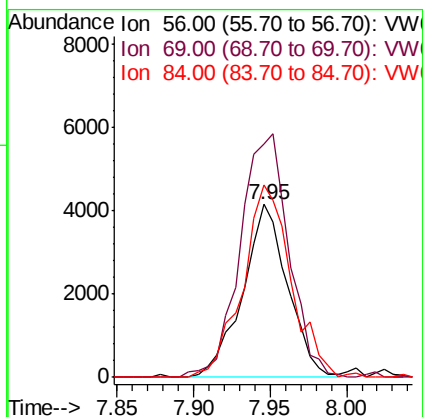
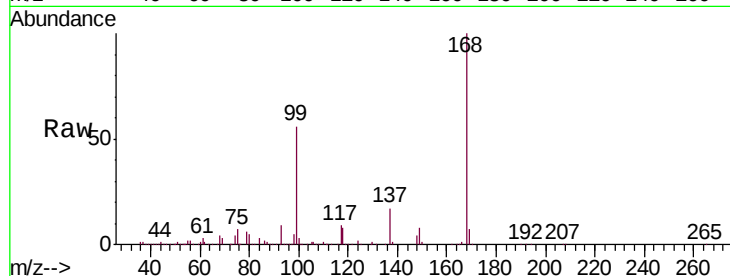




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

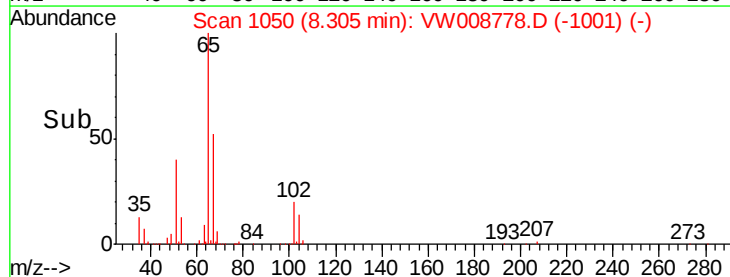
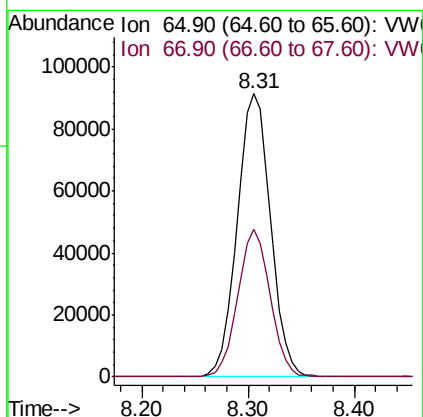
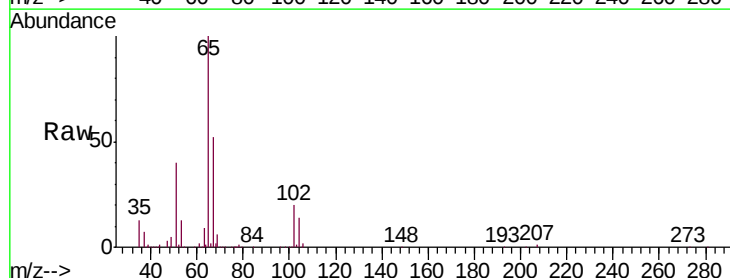
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

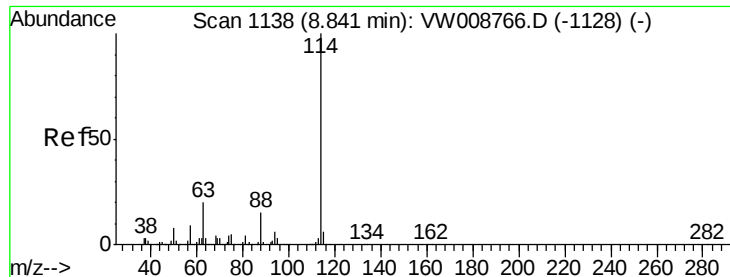
Tgt Ion: 56 Resp: 8504
Ion Ratio Lower Upper
56 100
69 135.4 28.2 42.4#
84 112.7 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 57.726 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

Tgt Ion: 65 Resp: 200961
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.4

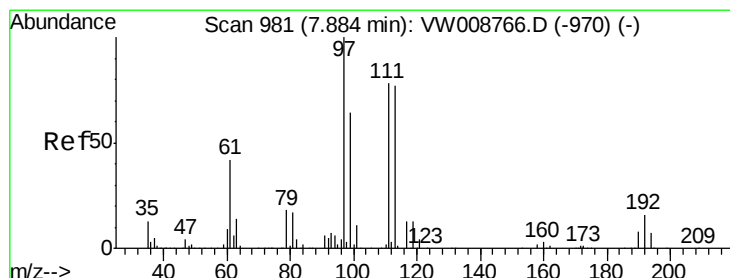
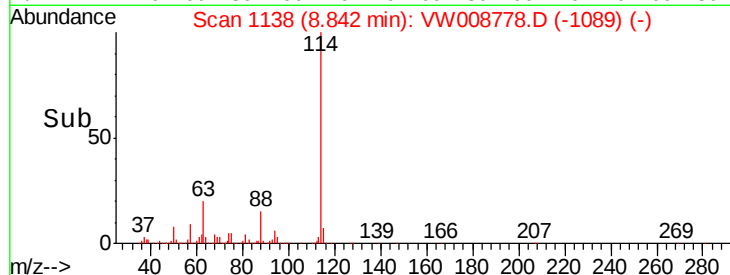
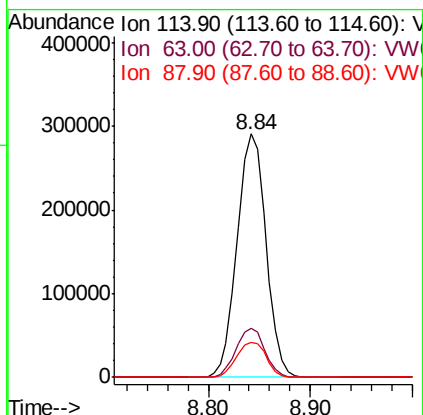
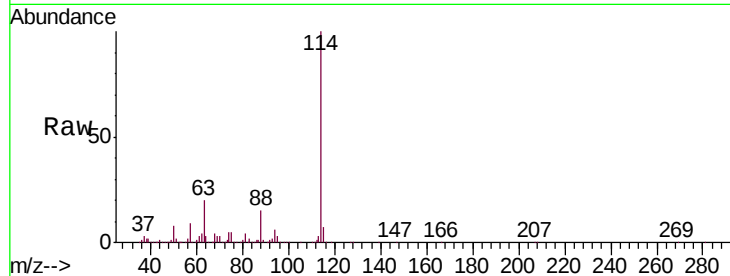




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008778.D
 Acq: 21 Feb 2019 19:04

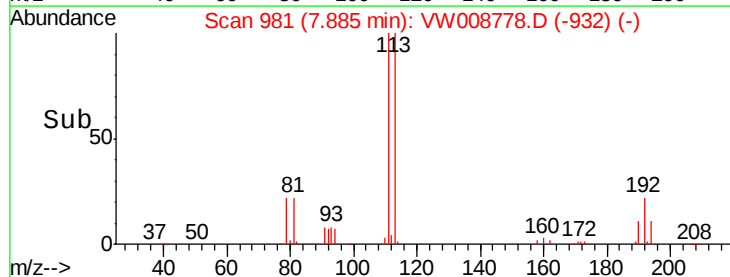
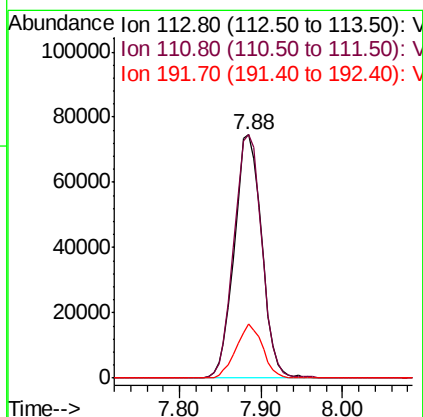
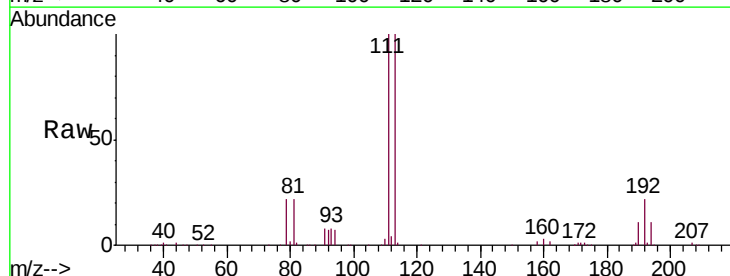
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200036

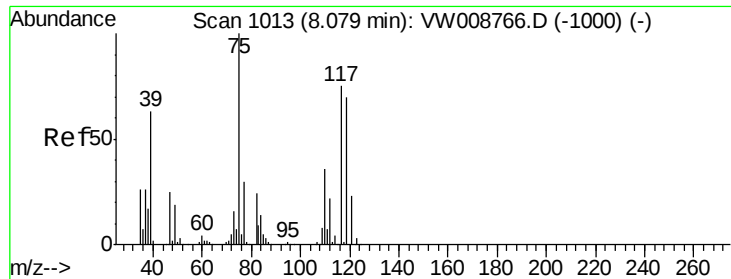
Tgt Ion:114 Resp: 571272
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 14.6 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 50.369 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008778.D
 Acq: 21 Feb 2019 19:04

Tgt Ion:113 Resp: 172766
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.9 122.9
 192 21.6 17.1 25.7

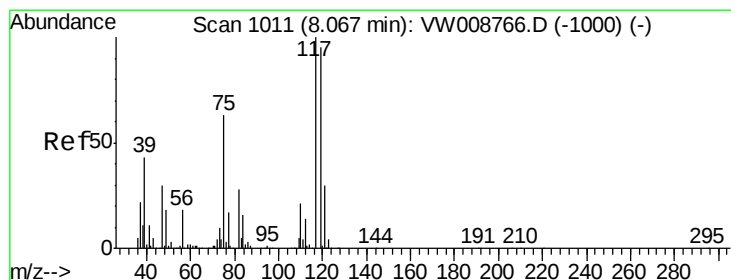
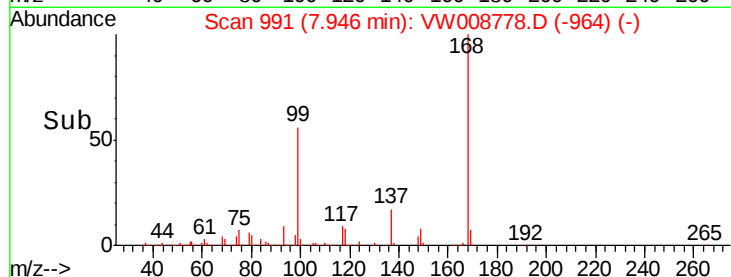
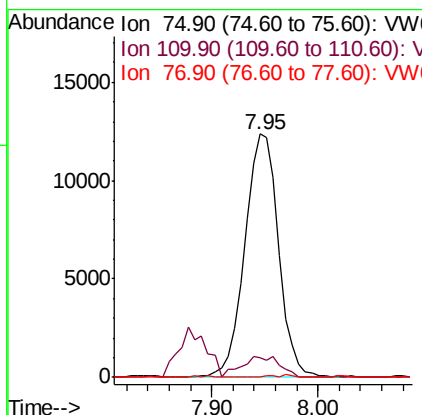
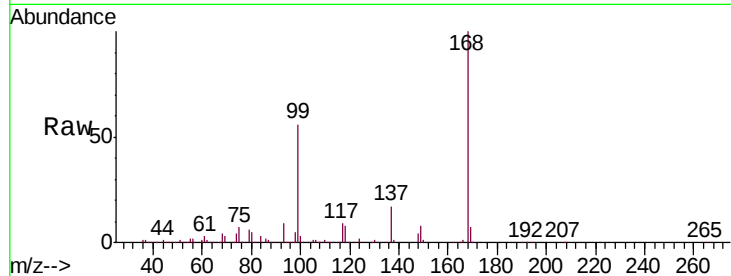




#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008778.D
 Acq: 21 Feb 2019 19:04

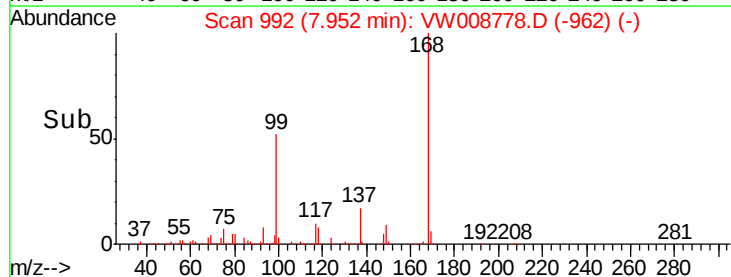
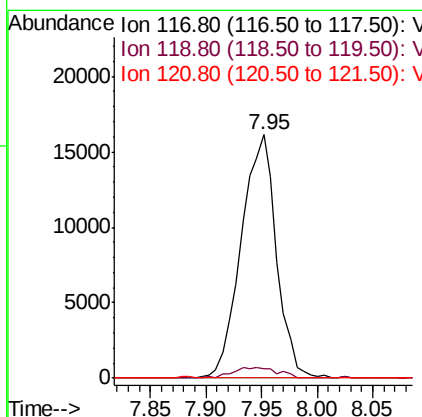
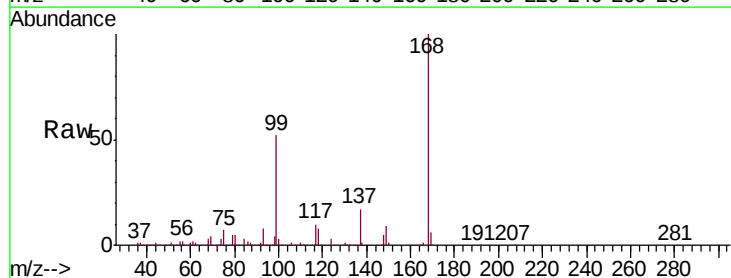
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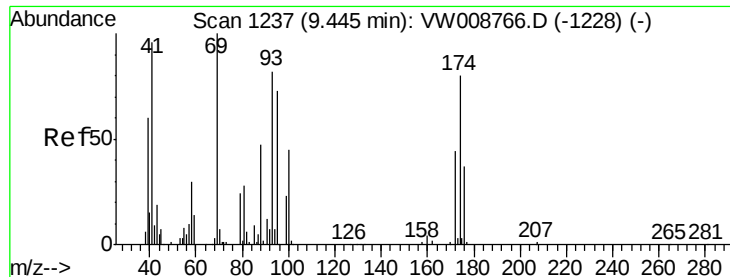
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.5	52.6#
77	0.2	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.047 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008778.D
 Acq: 21 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.1	114.1#
121	0.0	24.0	36.0#

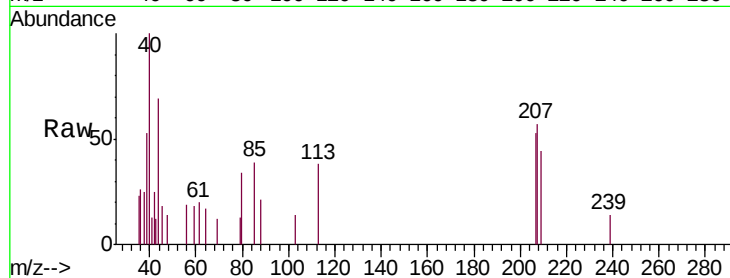




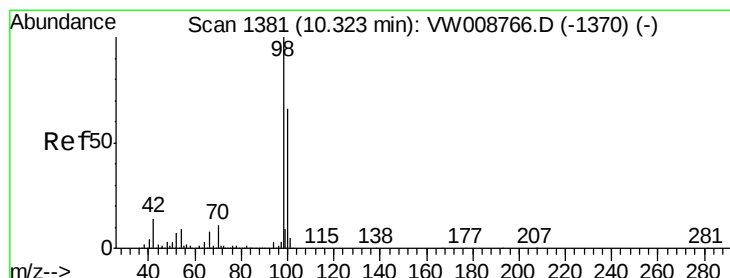
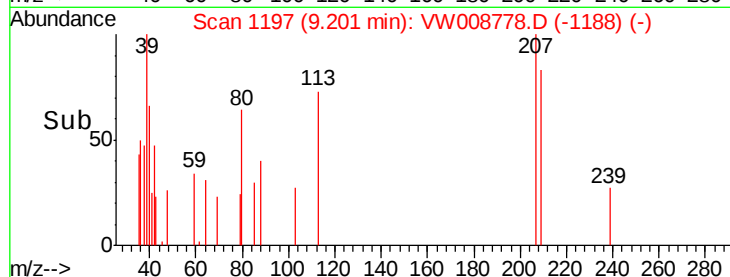
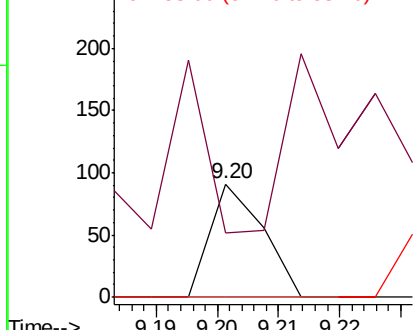
#49
1,4-Dioxane
Concen: 1.616 ug/l
RT: 9.20 min Scan# 1197
Delta R.T. -0.24 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 259.3 29.0 43.4#
58 0.0 52.0 78.0#

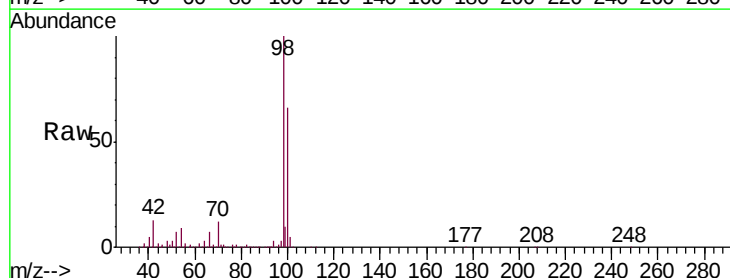


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

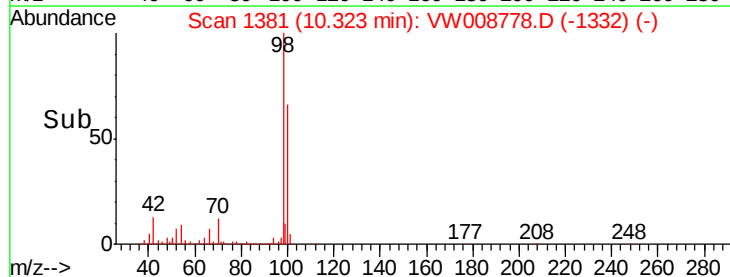
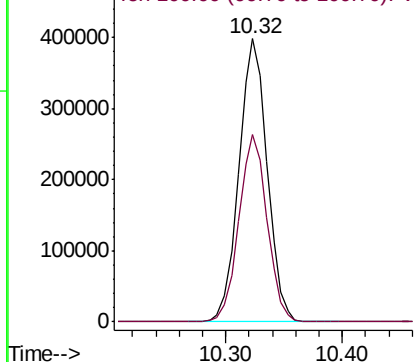


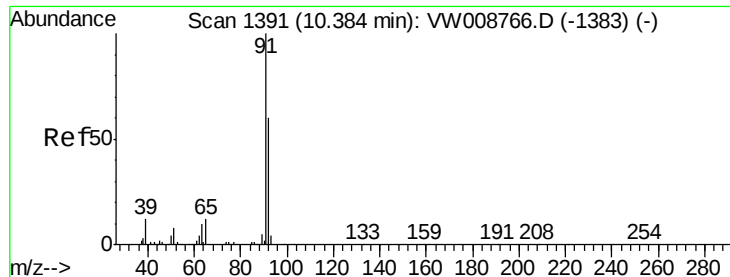
#50
Toluene-d8
Concen: 50.893 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

Tgt Ion: 98 Resp: 673864
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 4.001 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008778.D

Acq: 21 Feb 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

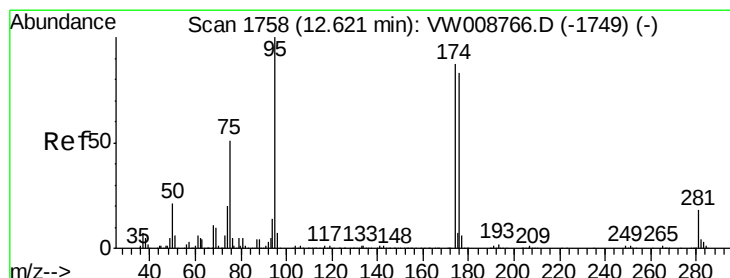
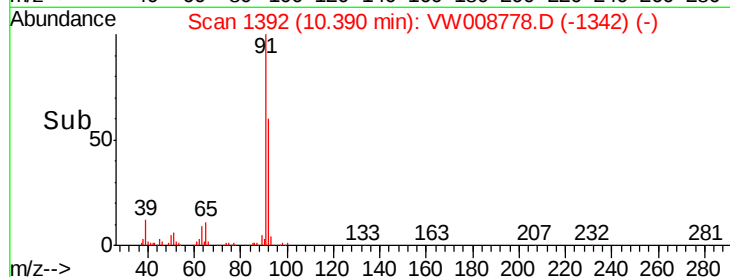
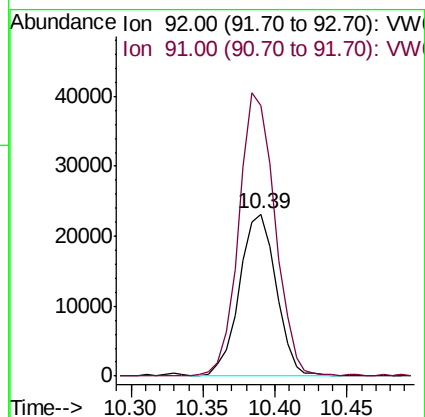
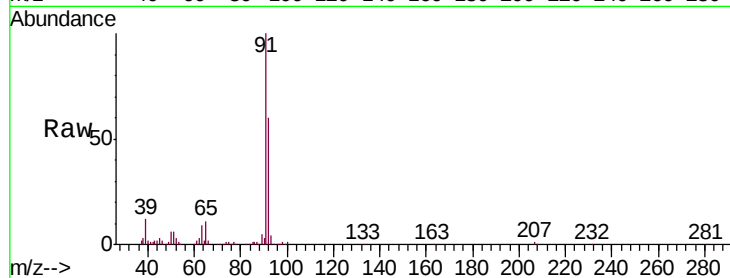
RBR-200036

Tgt Ion: 92 Resp: 41233

Ion Ratio Lower Upper

92 100

91 170.4 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 44.850 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008778.D

Acq: 21 Feb 2019 19:04

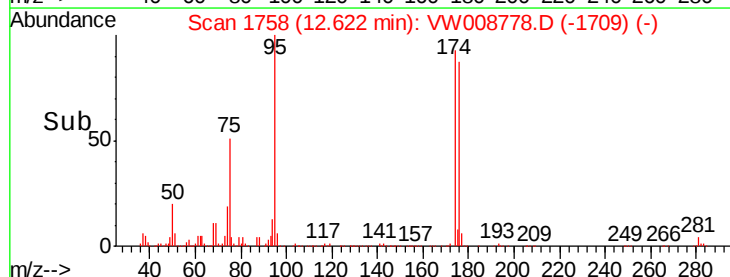
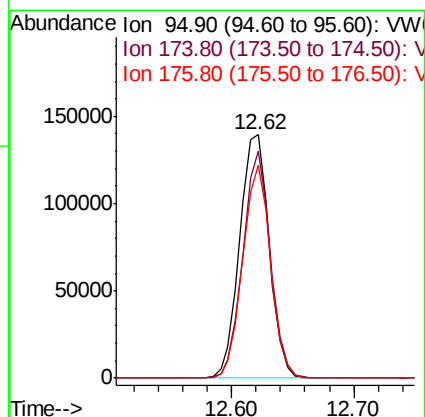
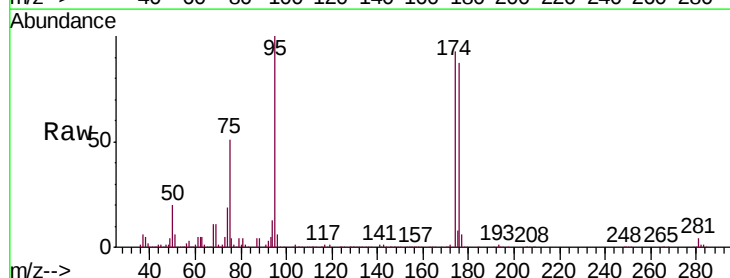
Tgt Ion: 95 Resp: 232516

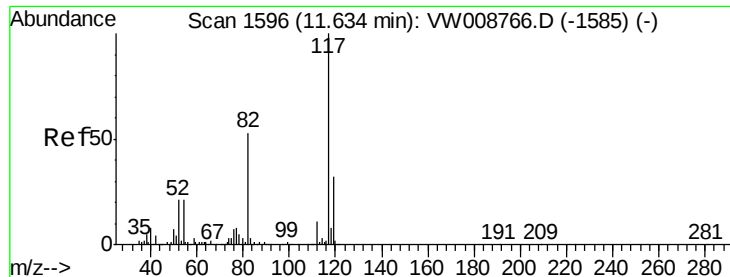
Ion Ratio Lower Upper

95 100

174 86.8 0.0 169.2

176 82.7 0.0 163.6

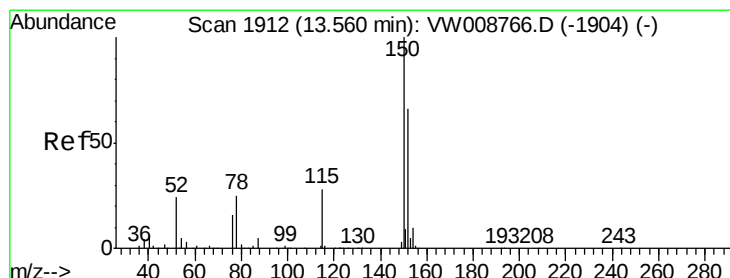
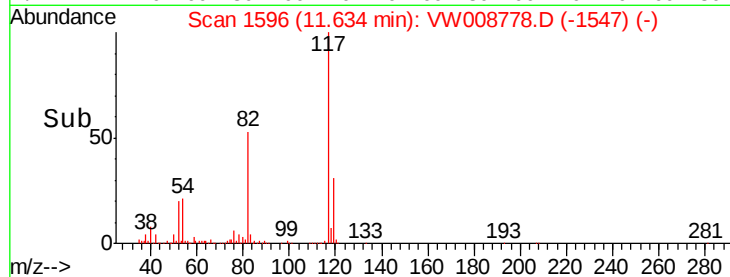
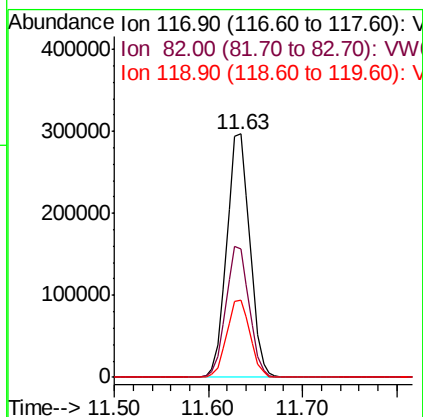
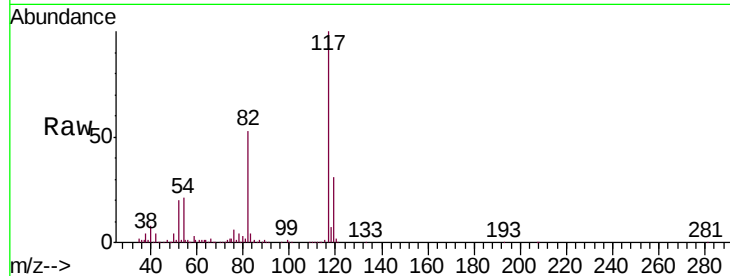




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

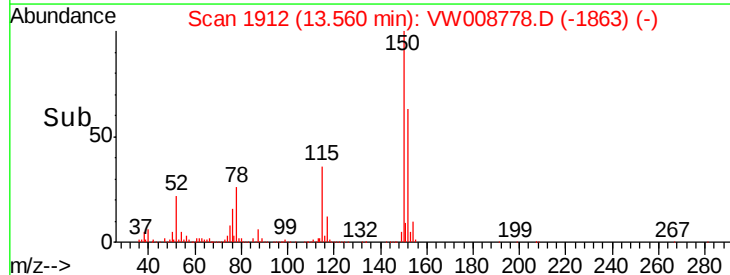
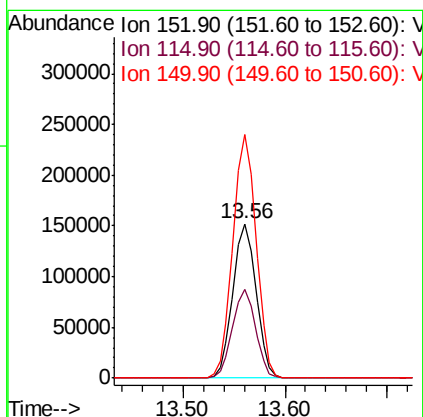
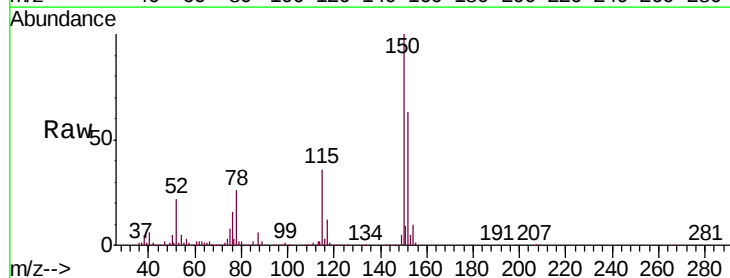
Instrument :
MSVOA_W
ClientSampleId :
RBR-200036

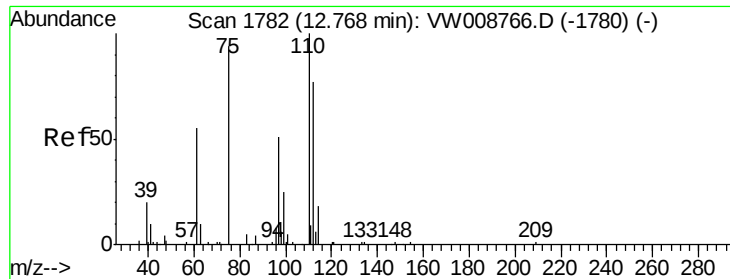
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	31.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008778.D
Acq: 21 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.6	85.8
150	157.7	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 61.832 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008778.D

Acq: 21 Feb 2019 19:04

Instrument :

MSVOA_W

ClientSampleId :

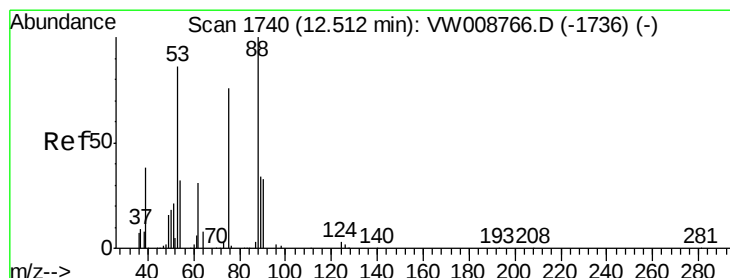
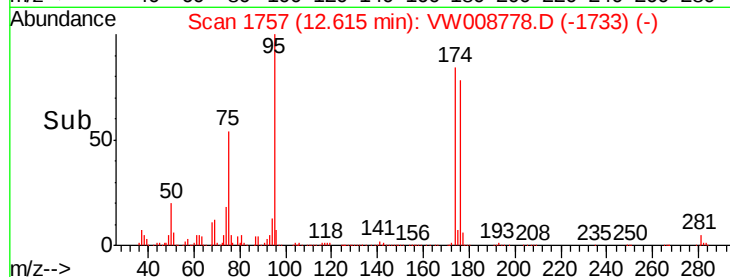
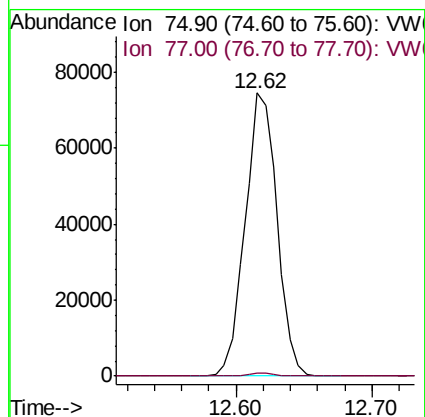
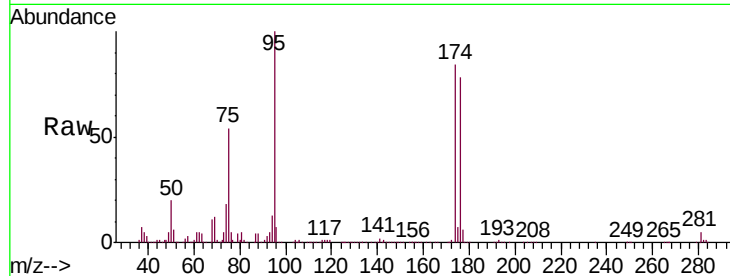
RBR-200036

Tgt Ion: 75 Resp: 122356

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008778.D

Acq: 21 Feb 2019 19:04

Tgt Ion: 75 Resp: 122356

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.1 39.5 59.3#

