

Data File : VW008781.D
Acq On : 21 Feb 2019 20:24
Operator : SY/VA
Sample : K1546-10RE
Misc : 5.13G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RBR-200034

Quant Time: Feb 22 00:50:18 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	223984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	296359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	83813	39.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.80%	
35) Dibromofluoromethane	7.88	113	81109	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
50) Toluene-d8	10.32	98	361841	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.62	95	108575	40.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.74%	

Target Compounds

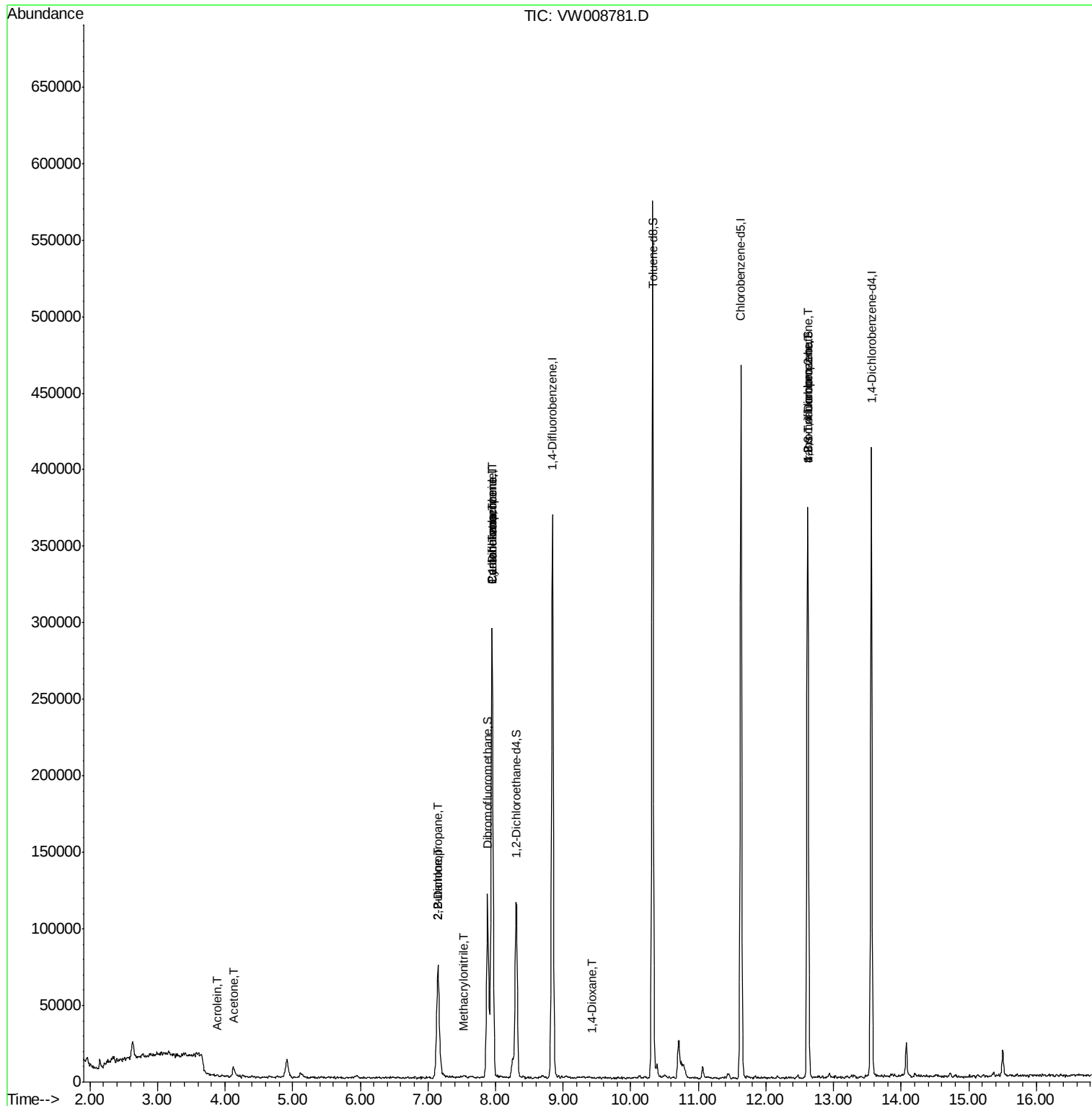
						Qvalue
13) Acrolein	3.89	56	152	20.489	ug/l #	1
16) Acetone	4.13	43	10005	20.547	ug/l #	84
20) Methylene Chloride	4.91	84	7706	Below Cal	#	85
25) 2-Butanone	7.15	43	4291	6.303	ug/l #	70
26) 2,2-Dichloropropane	7.15	77	5558	1.565	ug/l #	54
31) Cyclohexane	7.95	56	5768	1.456	ug/l #	61
36) 1,1-Dichloropropene	7.95	75	18109	6.277	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21458	7.053	ug/l #	17
41) Methacrylonitrile	7.52	41	835	1.059	ug/l #	36
49) 1,4-Dioxane	9.43	88	20	1.154	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56212	63.553	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56212	154.502	ug/l #	6

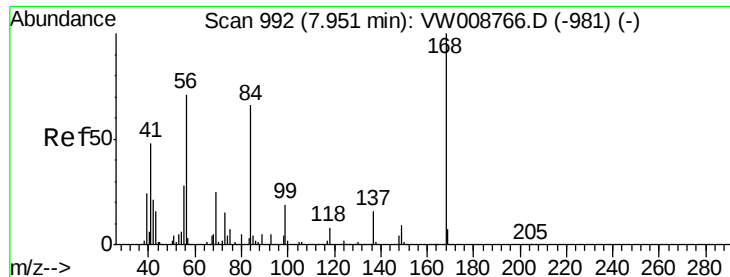
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampled :

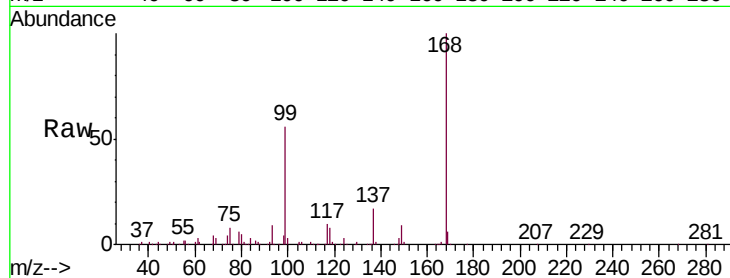
RBR-200034

Tgt Ion:168 Resp: 223984

Ion Ratio Lower Upper

168 100

99 56.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

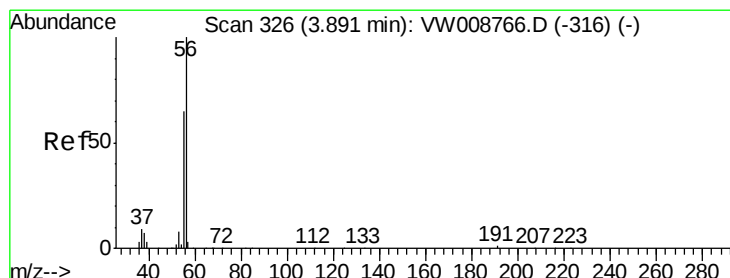
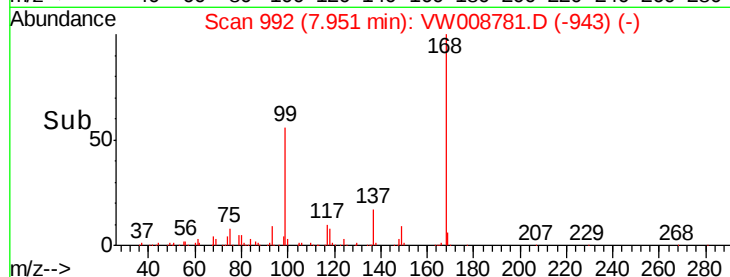
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 20.489 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008781.D

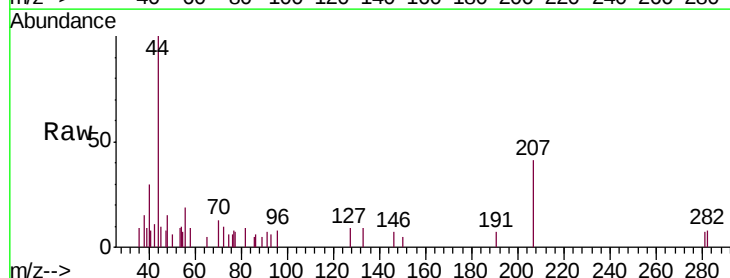
Acq: 21 Feb 2019 20:24

Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 192.1 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

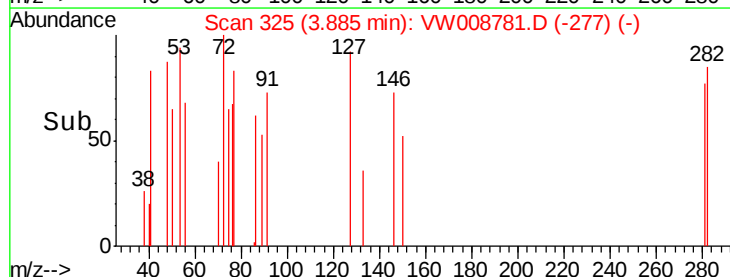
300

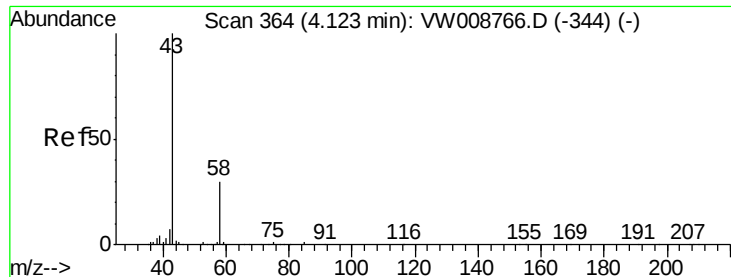
200

100

0

Time-->





#16

Acetone

Concen: 20.547 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

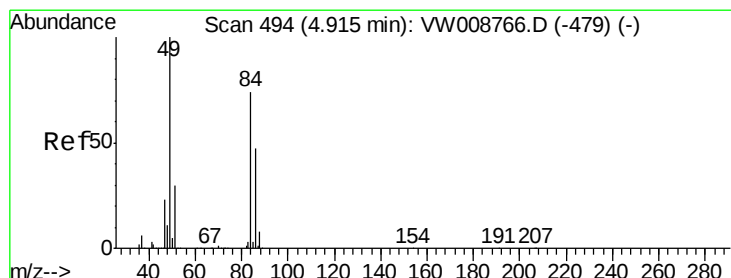
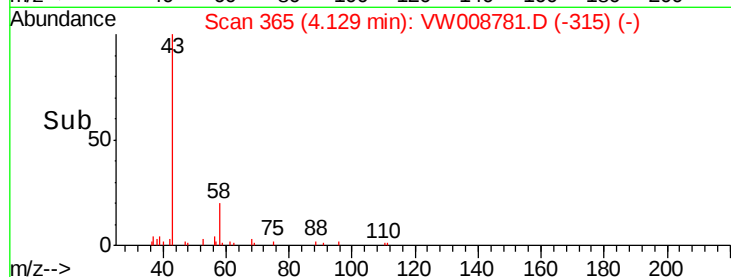
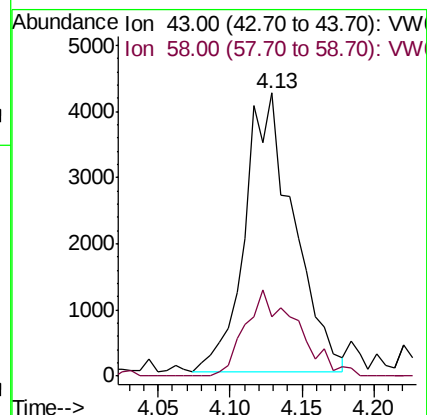
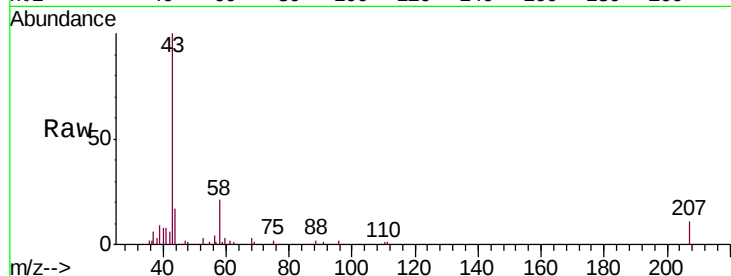
RBR-200034

Tgt Ion: 43 Resp: 10005

Ion Ratio Lower Upper

43 100

58 21.3 23.8 35.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Tgt Ion: 84 Resp: 7706

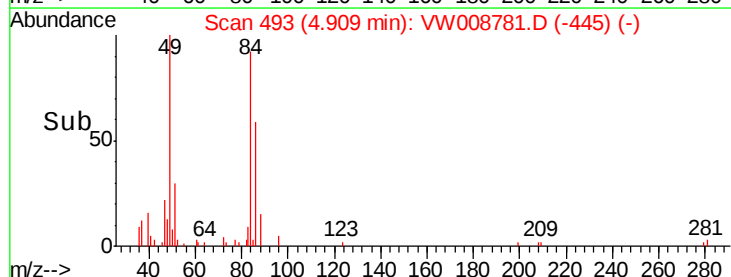
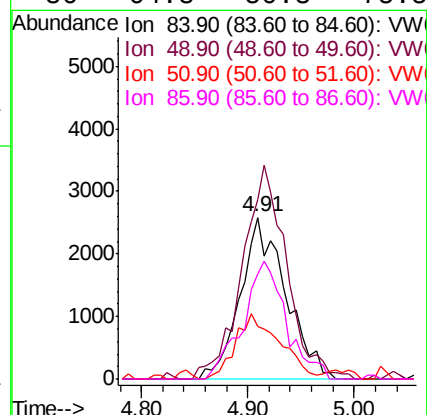
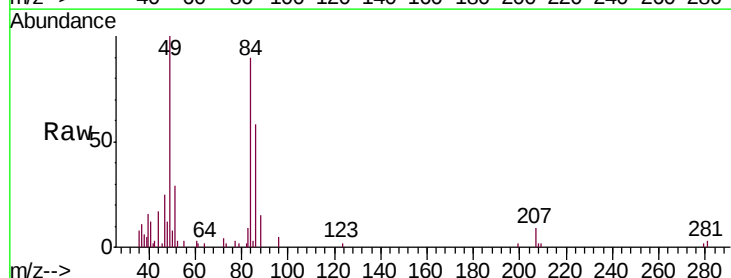
Ion Ratio Lower Upper

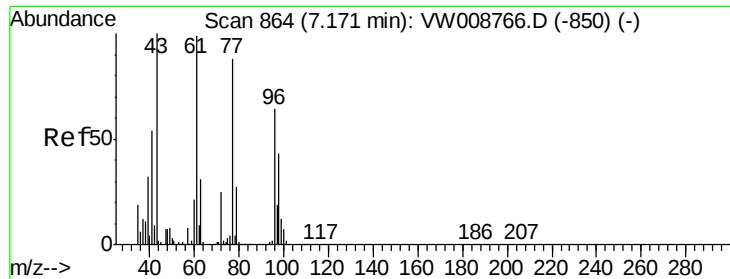
84 100

49 111.2 108.2 162.2

51 30.1 32.7 49.1#

86 64.8 50.3 75.5





#25

2-Butanone

Concen: 6.303 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

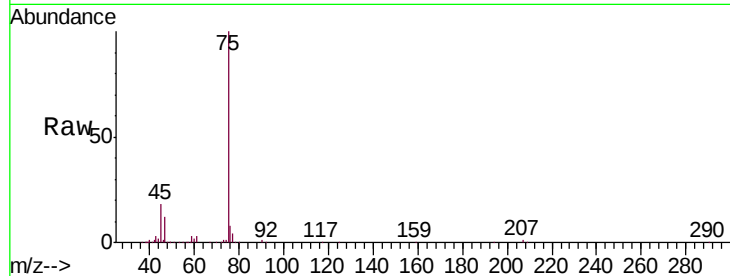
RBR-200034

Tgt Ion: 43 Resp: 4291

Ion Ratio Lower Upper

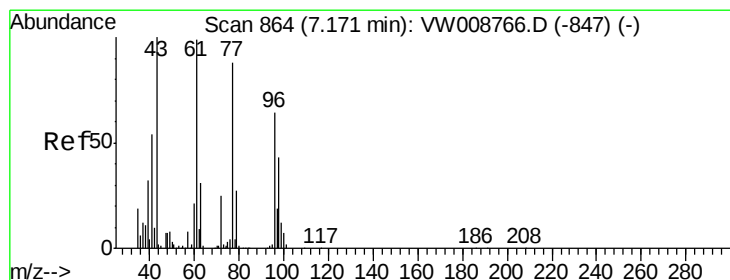
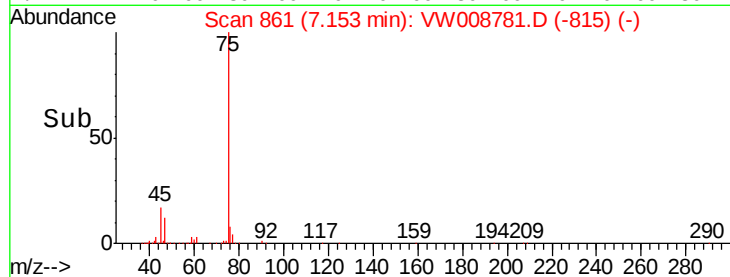
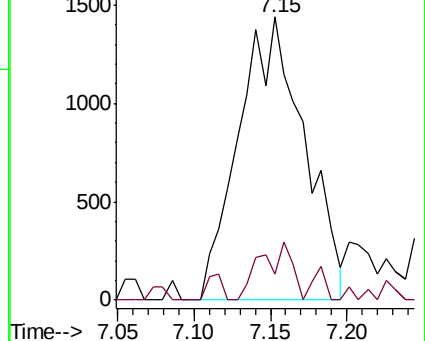
43 100

72 9.5 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.565 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW008781.D

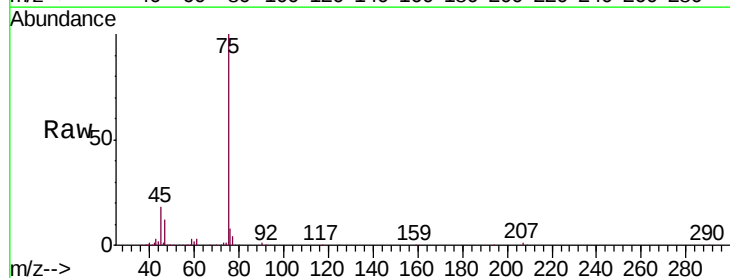
Acq: 21 Feb 2019 20:24

Tgt Ion: 77 Resp: 5558

Ion Ratio Lower Upper

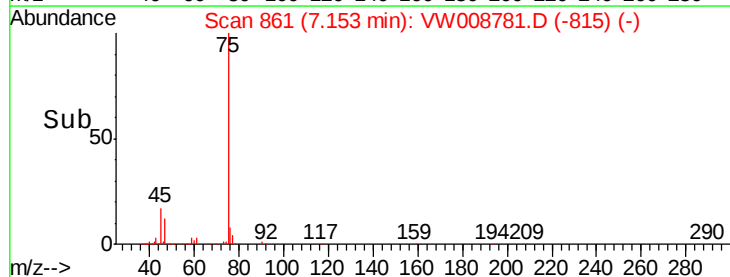
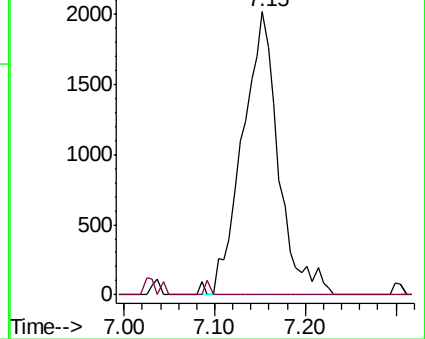
77 100

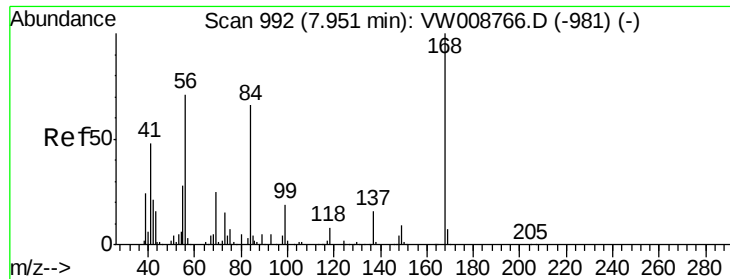
97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

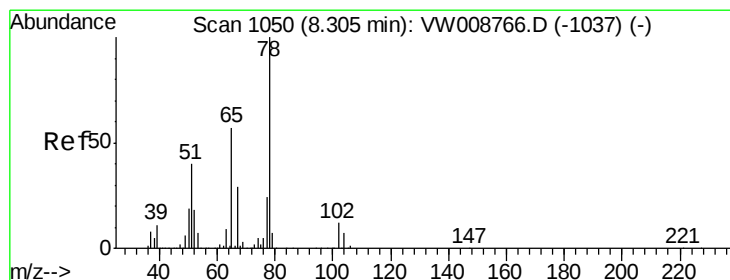
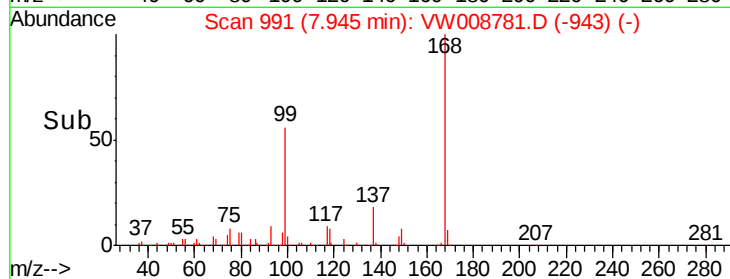
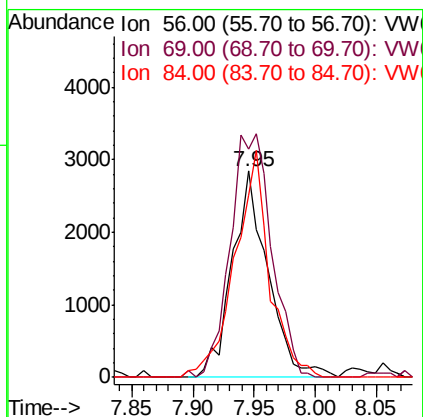
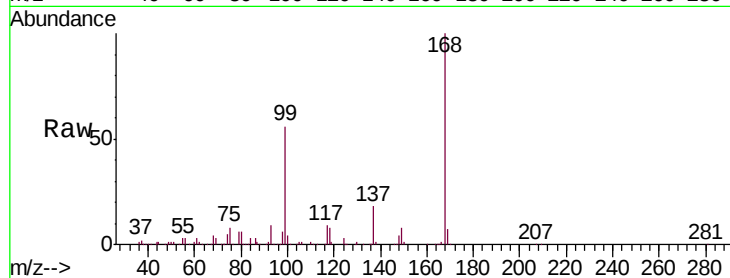




#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008781.D
Acq: 21 Feb 2019 20:24

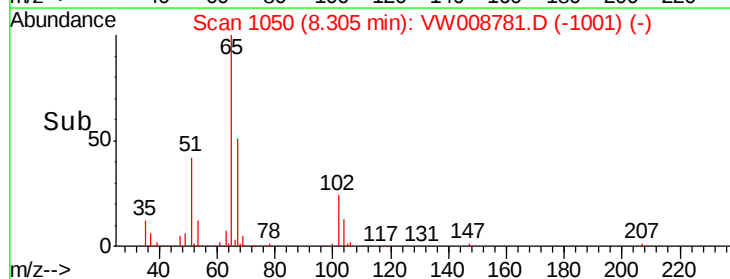
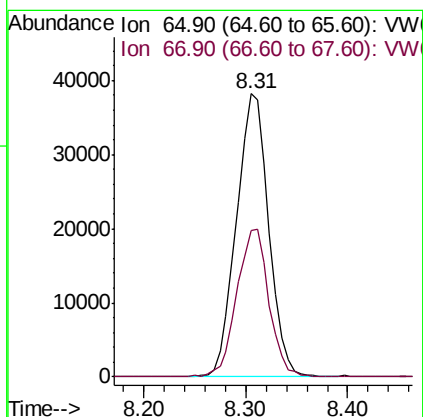
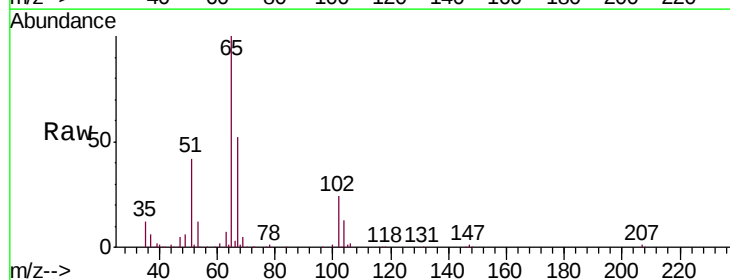
Instrument :
MSVOA_W
ClientSampleId :
RBR-200034

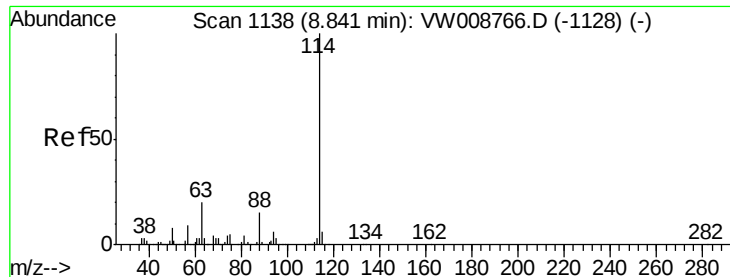
Tgt Ion: 56 Resp: 5768
Ion Ratio Lower Upper
56 100
69 111.0 28.2 42.4#
84 88.5 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 39.896 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008781.D
Acq: 21 Feb 2019 20:24

Tgt Ion: 65 Resp: 83813
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4

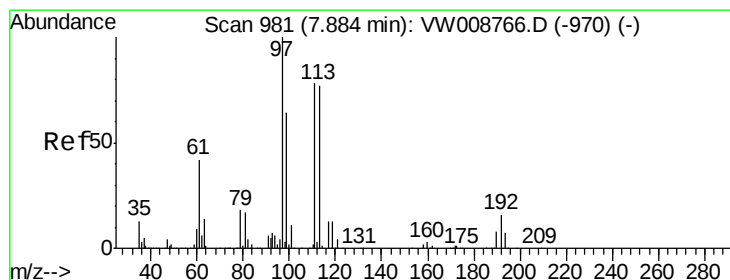
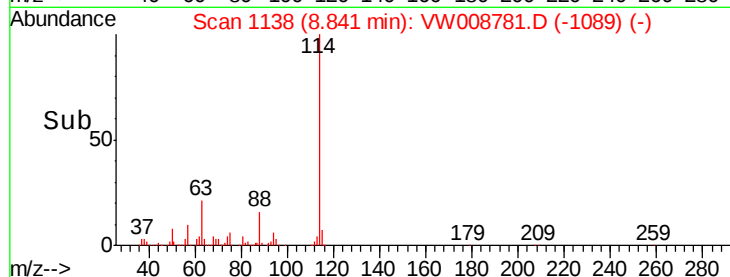
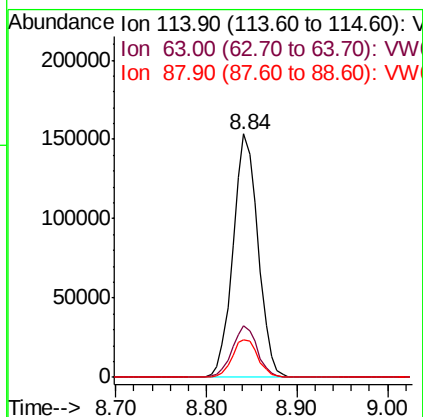
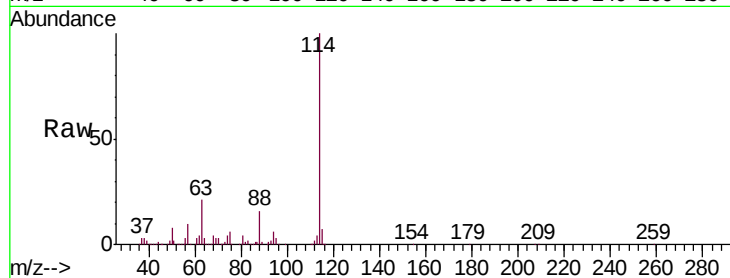




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008781.D
 Acq: 21 Feb 2019 20:24

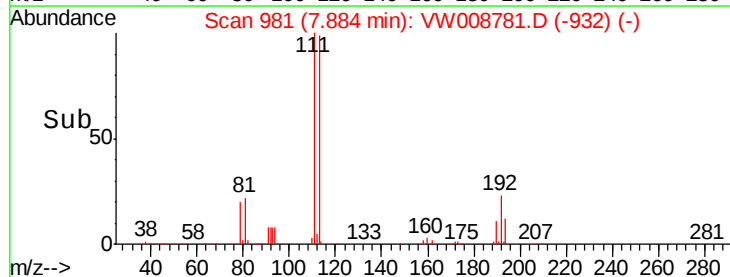
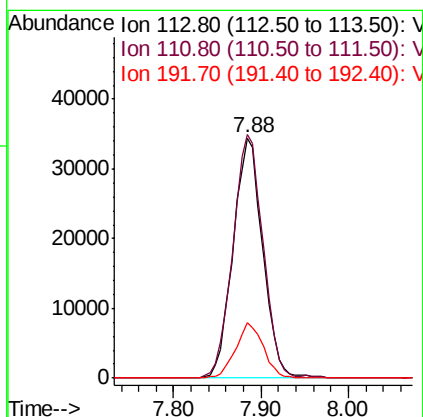
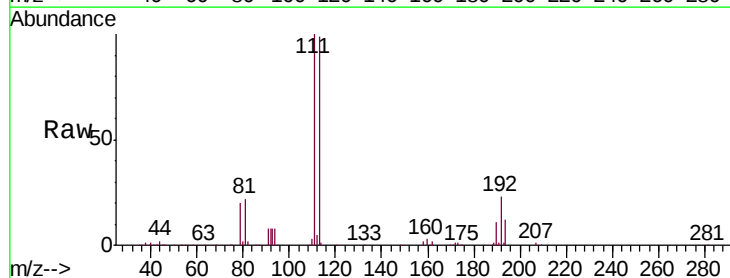
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-200034

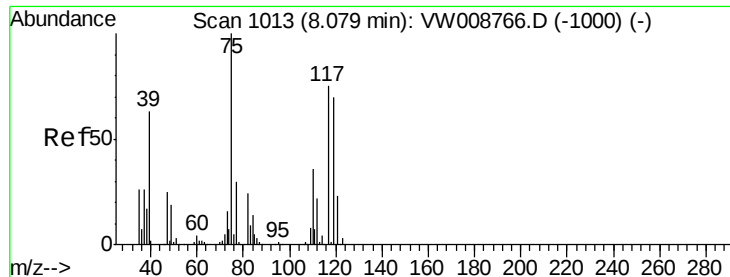
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.6	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 45.583 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008781.D
 Acq: 21 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	21.3	17.1	25.7





#36

1,1-Dichloropropene

Concen: 6.277 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

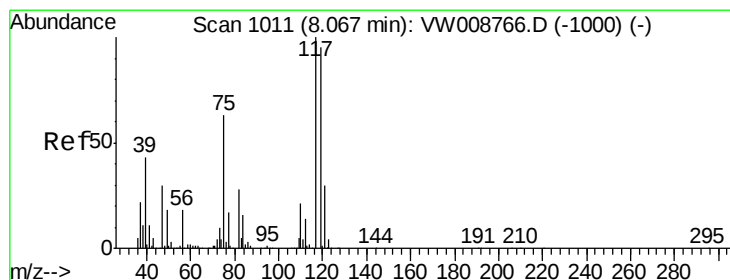
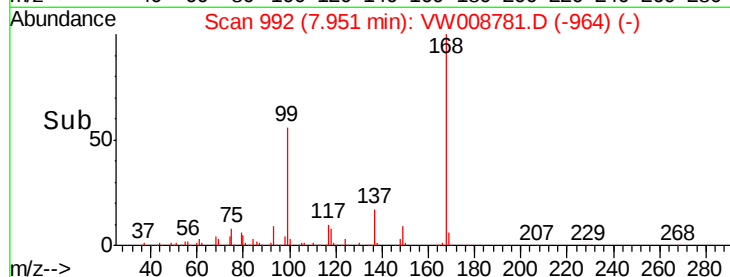
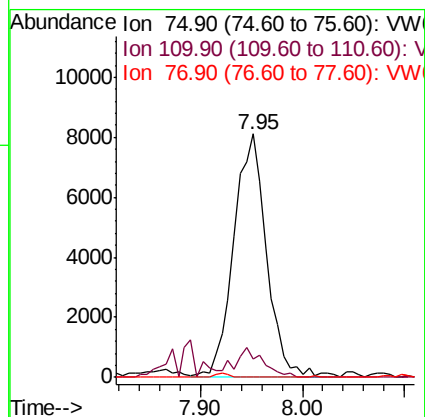
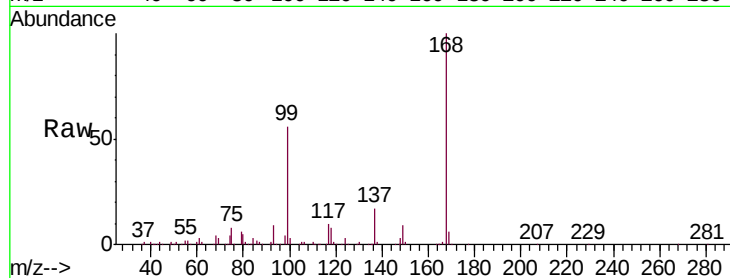
Tgt Ion: 75 Resp: 18109

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.053 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

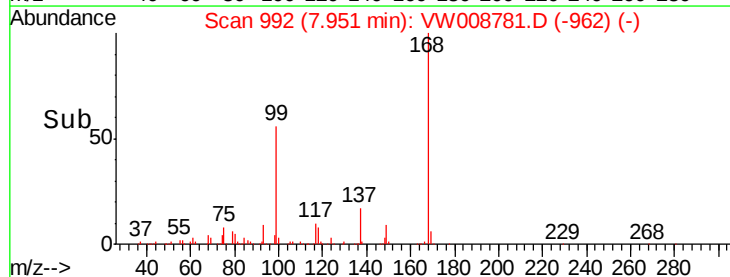
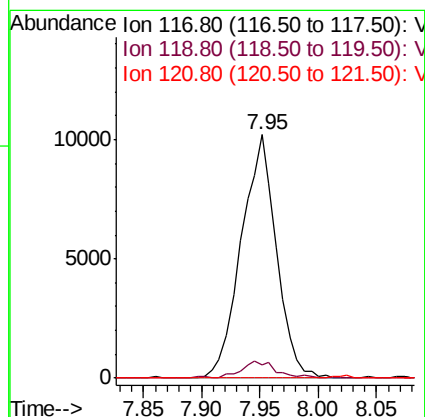
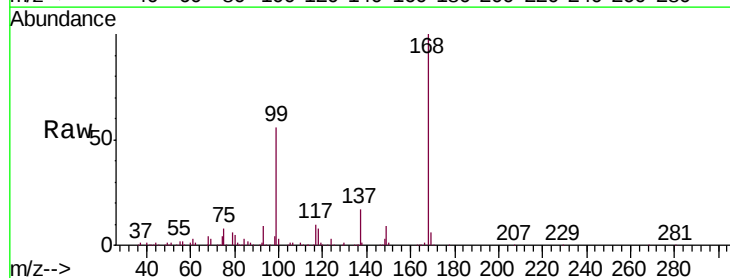
Tgt Ion: 117 Resp: 21458

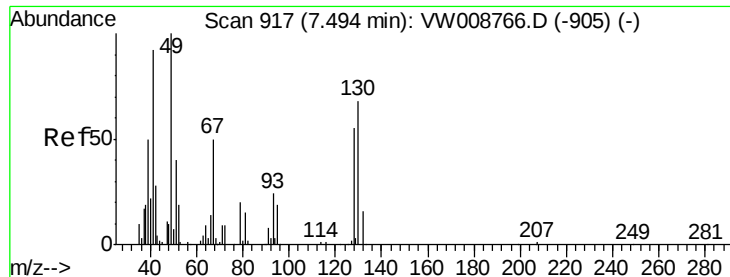
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.0 36.0#

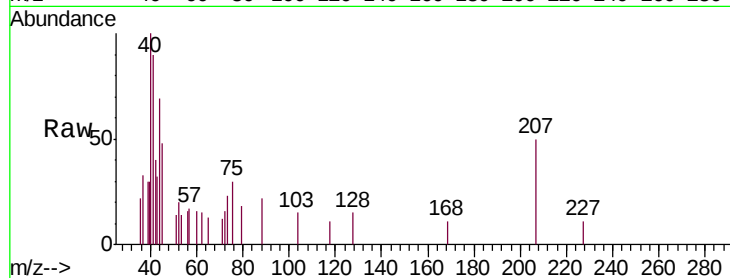




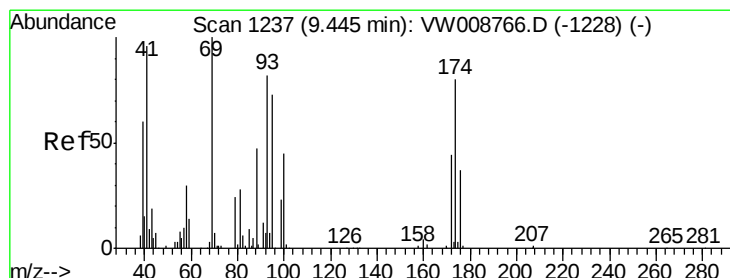
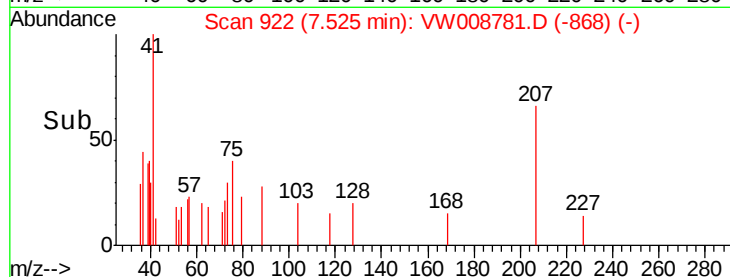
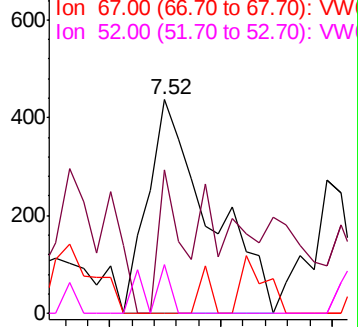
#41
Methacrylonitrile
Concen: 1.059 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.03 min
Lab File: VW008781.D
Acq: 21 Feb 2019 20:24

Instrument :
MSVOA_W
ClientSampled :
RBR-200034

Tgt Ion: 41 Resp: 835
Ion Ratio Lower Upper
41 100
39 24.1 52.5 78.7#
67 0.0 55.0 82.6#
52 8.3 26.9 40.3#

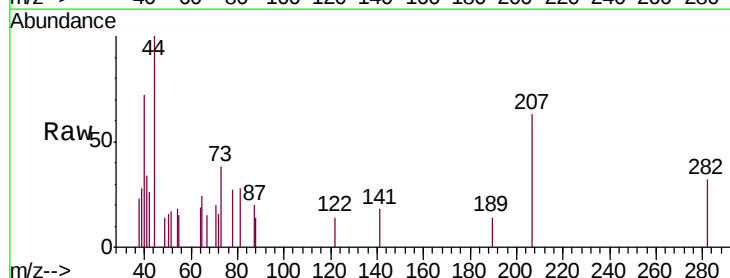


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

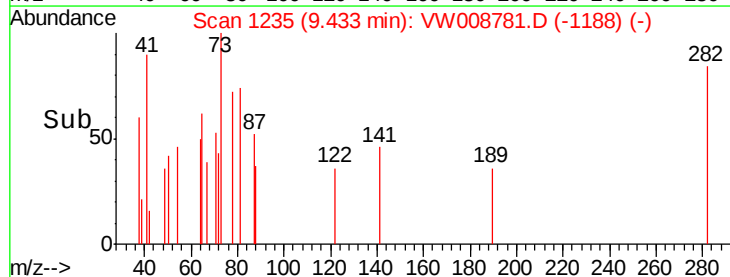
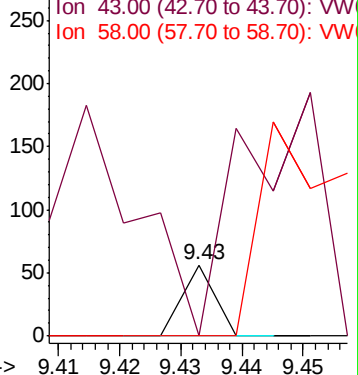


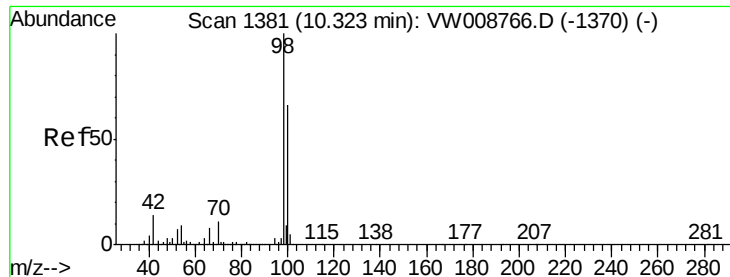
#49
1,4-Dioxane
Concen: 1.154 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008781.D
Acq: 21 Feb 2019 20:24

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 865.0 29.0 43.4#
58 765.0 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: 52.678 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

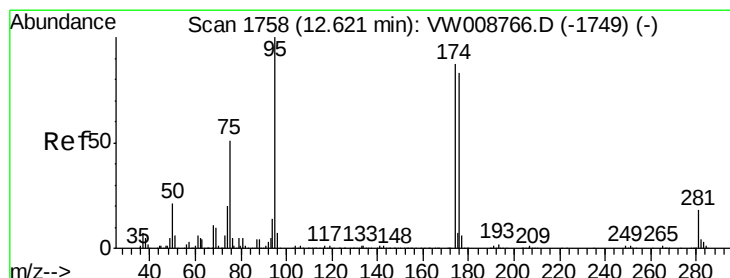
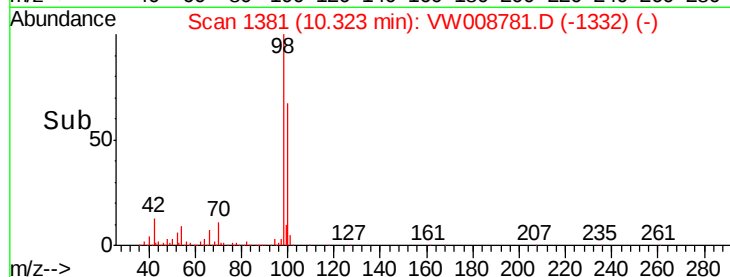
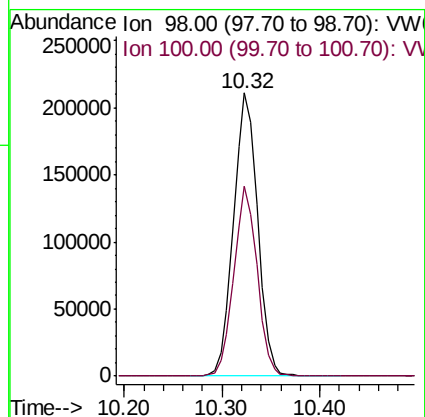
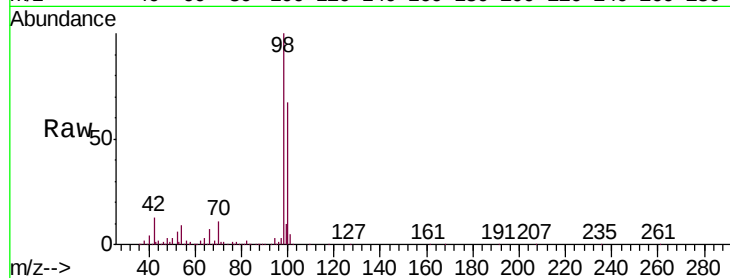
RBR-200034

Tgt Ion: 98 Resp: 361841

Ion Ratio Lower Upper

98 100

100 64.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 40.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

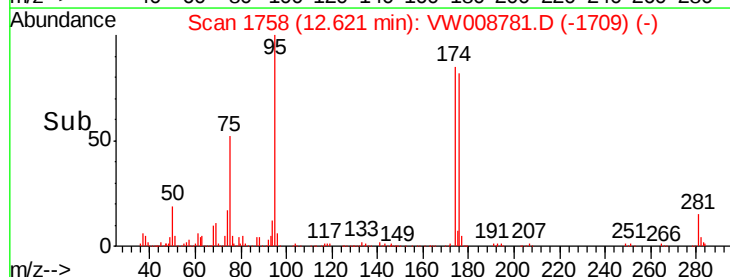
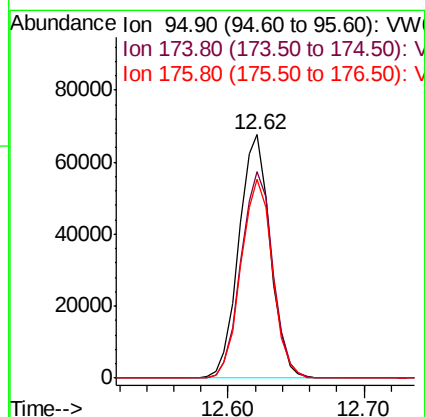
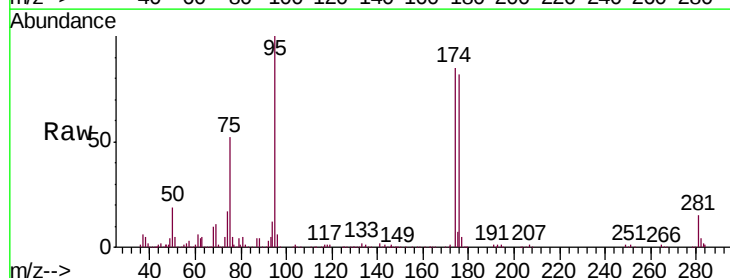
Tgt Ion: 95 Resp: 108575

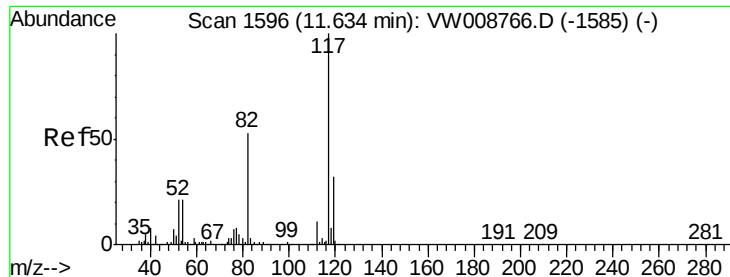
Ion Ratio Lower Upper

95 100

174 86.5 0.0 169.2

176 82.1 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: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-200034

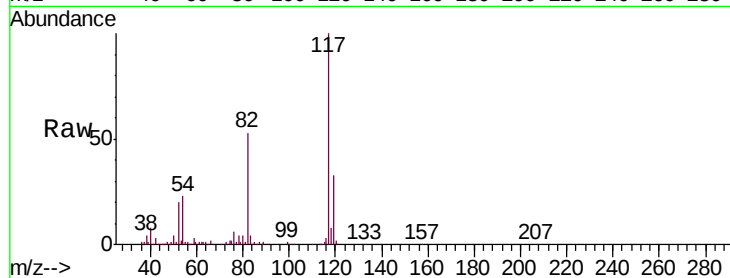
Tgt Ion:117 Resp: 250021

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

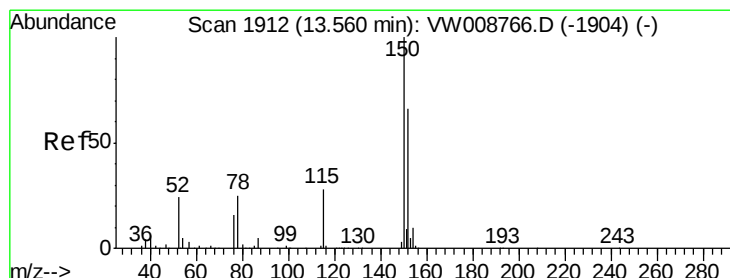
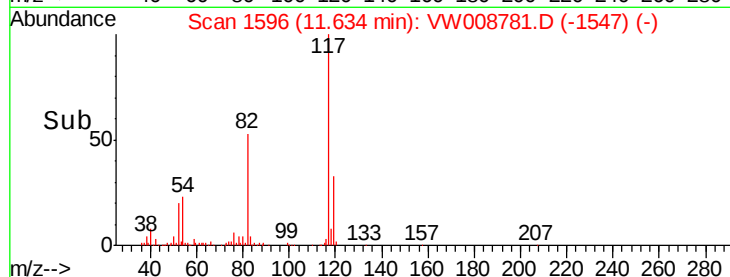
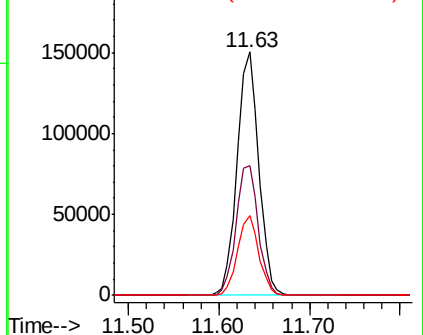
119 32.5 25.9 38.9



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: VW008781.D

Acq: 21 Feb 2019 20:24

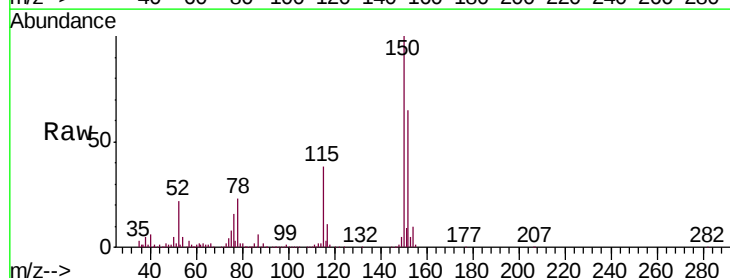
Tgt Ion:152 Resp: 107129

Ion Ratio Lower Upper

152 100

115 58.6 28.6 85.8

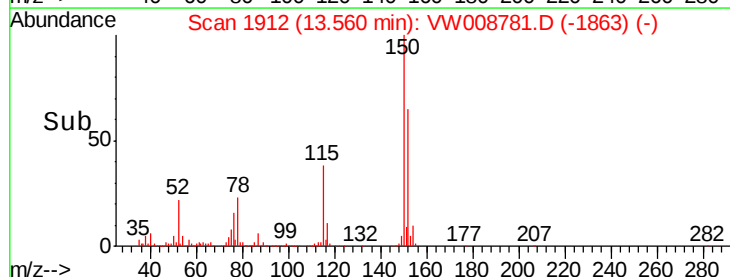
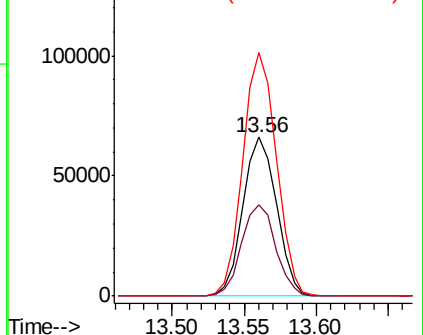
150 152.5 0.0 348.0

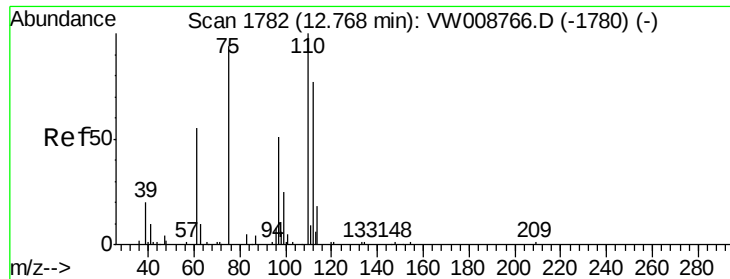


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 63.553 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

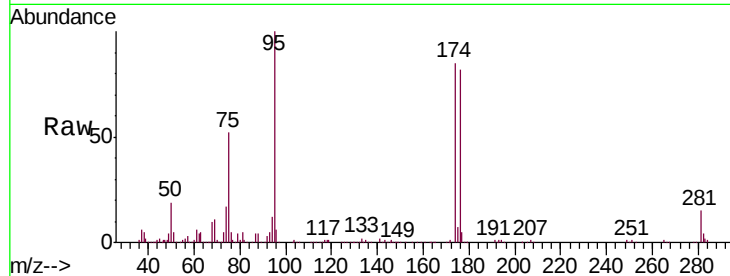
RBR-200034

Tgt Ion: 75 Resp: 56212

Ion Ratio Lower Upper

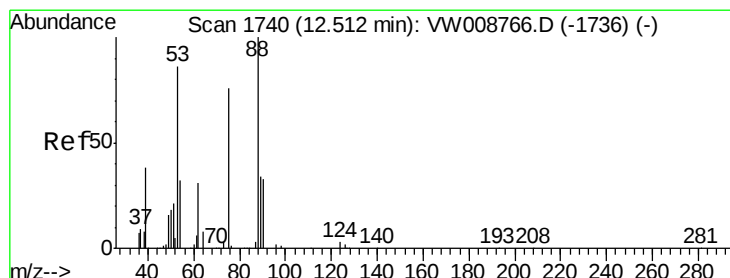
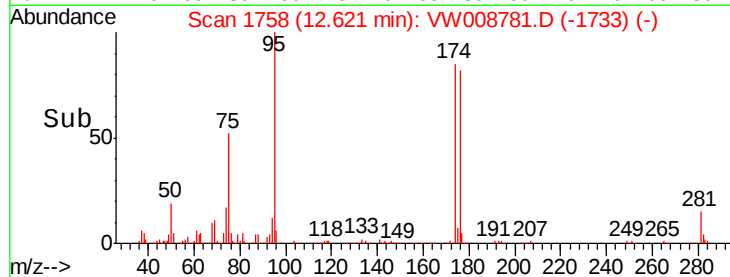
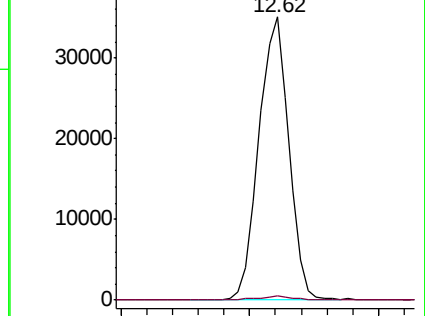
75 100

77 1.5 0.0 0.0#



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: 154.502 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008781.D

Acq: 21 Feb 2019 20:24

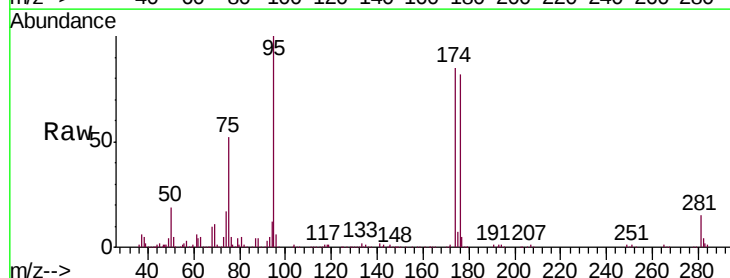
Tgt Ion: 75 Resp: 56212

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.4 39.5 59.3#



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

