

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006118.D
 Acq On : 17 Oct 2018 10:23
 Operator : VA/AP
 Sample : J5200-11
 Misc : 6.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-101618-B

Quant Time: Oct 17 12:02:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	475161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159093	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136316	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.89	113	131495	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.33	98	460676	43.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.26%	
62) 4-Bromofluorobenzene	12.62	95	148341	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	

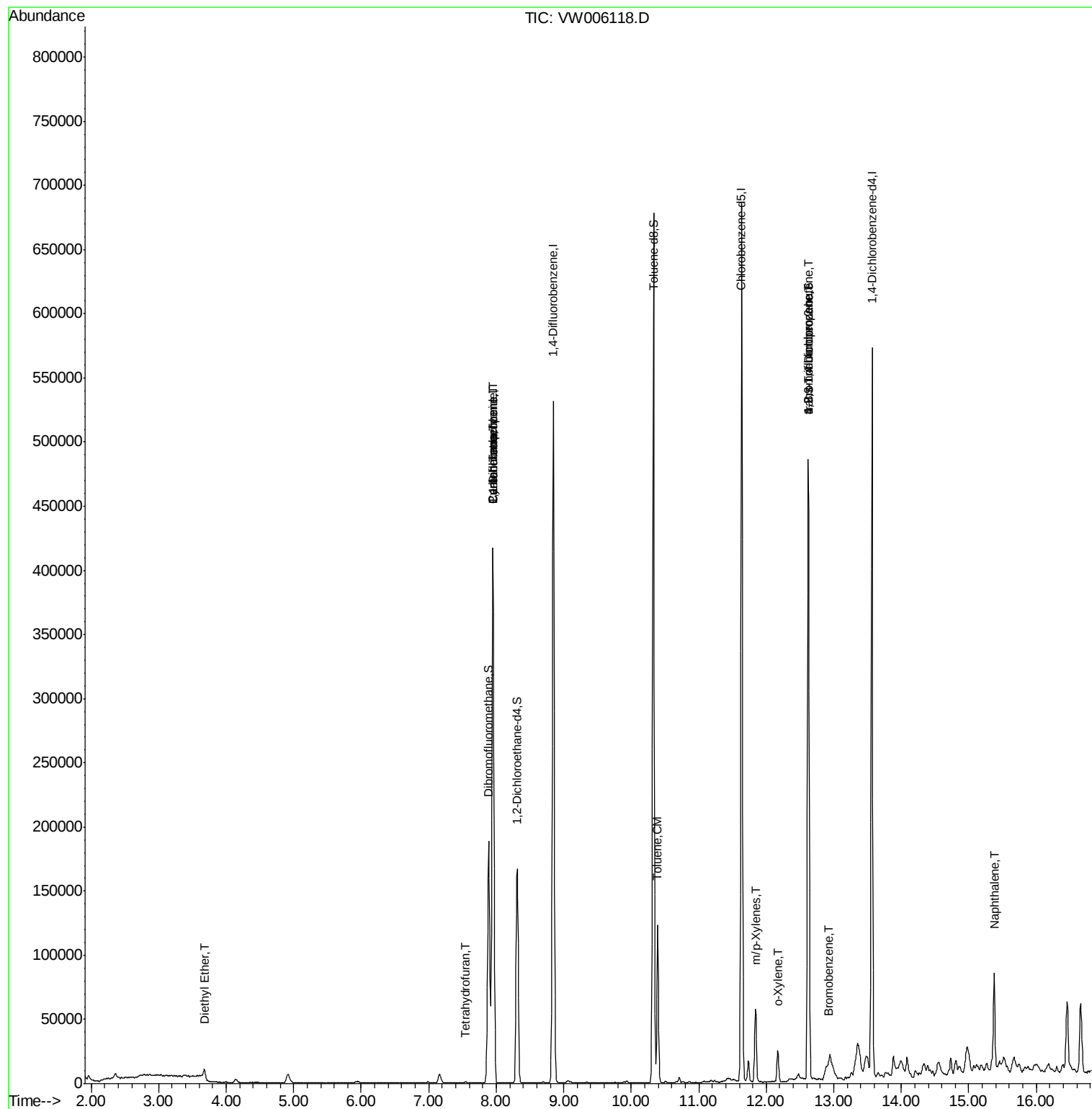
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3032	2.03	ug/l	78
16) Acetone	4.14	43	5400	Below	Cal	97
29) Tetrahydrofuran	7.54	42	626	1.37	ug/l #	61
31) Cyclohexane	7.95	56	6307	1.25	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	21452	4.90	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28797	6.00	ug/l #	16
52) Toluene	10.39	92	52786	6.55	ug/l	97
68) m/p-Xylenes	11.84	106	18136	3.14	ug/l	100
69) o-Xylene	12.17	106	6522	1.18	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	76118	62.64	ug/l #	100
77) Bromobenzene	12.92	156	22303	8.10	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	76118	149.74	ug/l #	10
95) Naphthalene	15.38	128	68587	10.96	ug/l	99

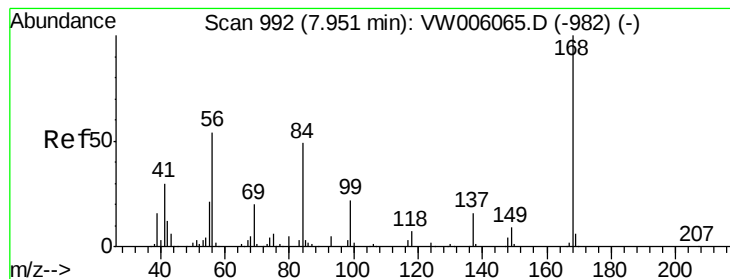
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

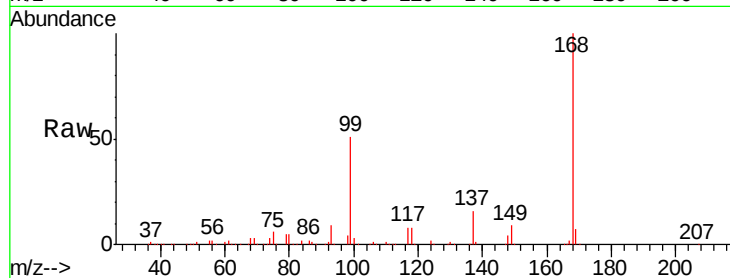
OR-01-101618-B

Tgt Ion:168 Resp: 331748

Ion Ratio Lower Upper

168 100

99 50.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

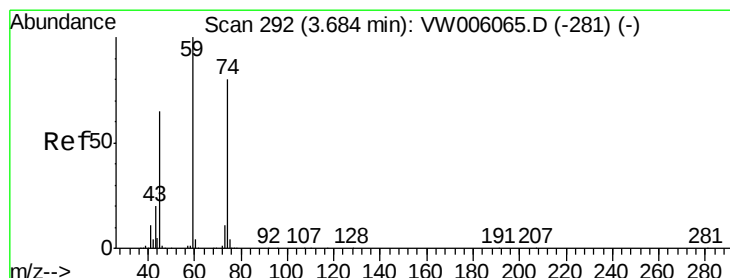
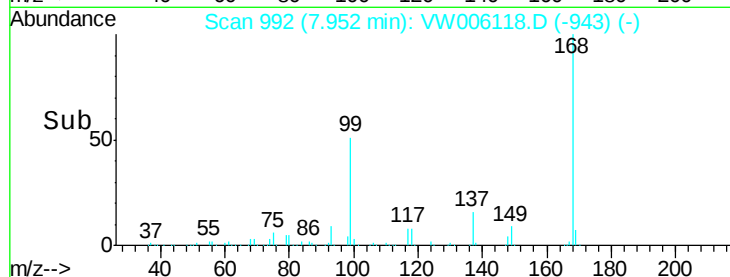
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.03 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006118.D

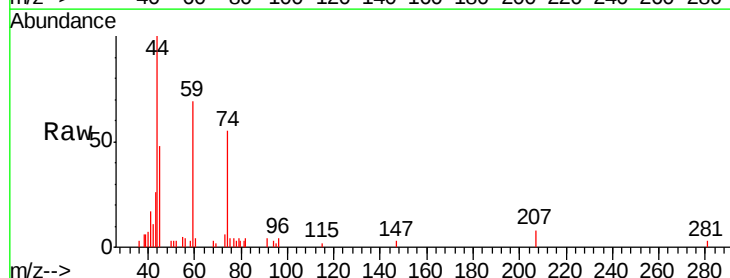
Acq: 17 Oct 2018 10:23

Tgt Ion: 74 Resp: 3032

Ion Ratio Lower Upper

74 100

45 105.7 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

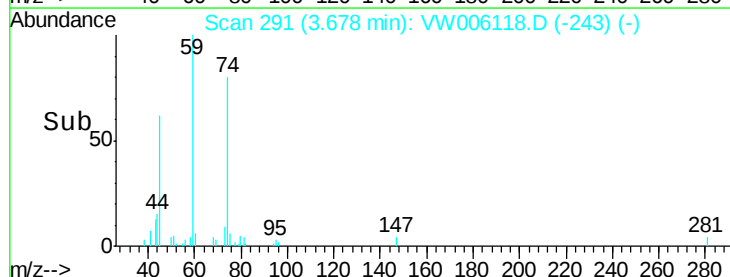
1500

1000

500

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

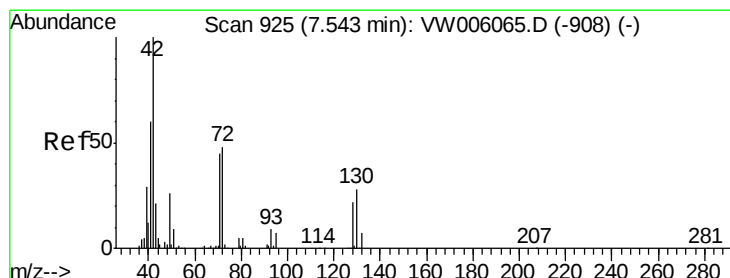
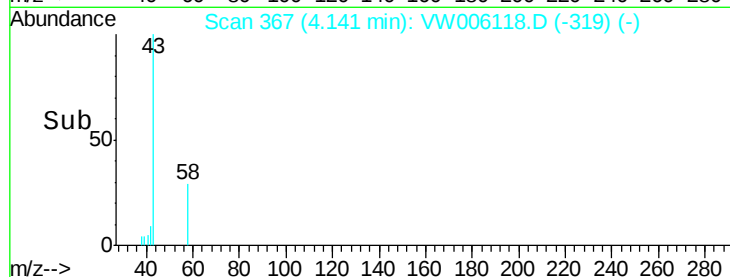
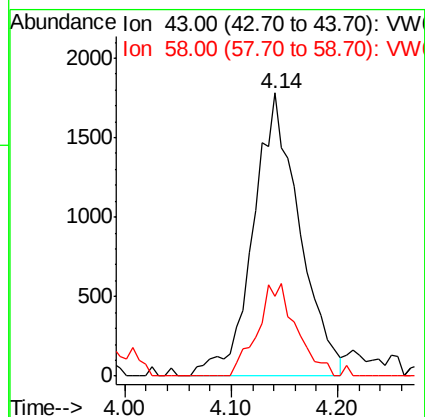
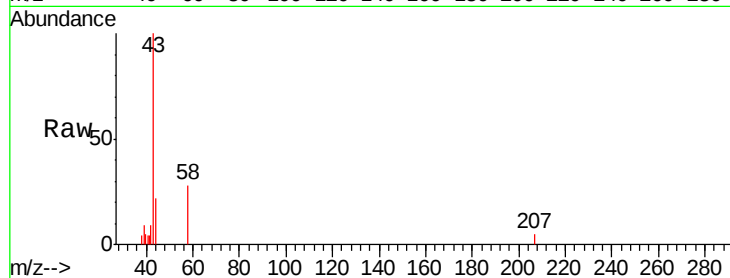
OR-01-101618-B

Tgt Ion: 43 Resp: 5400

Ion Ratio Lower Upper

43 100

58 28.3 24.0 36.0



#29

Tetrahydrofuran

Concen: 1.37 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

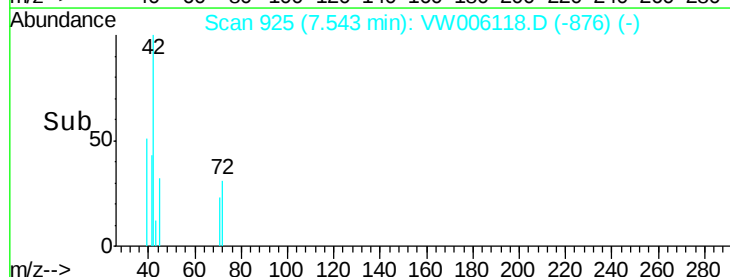
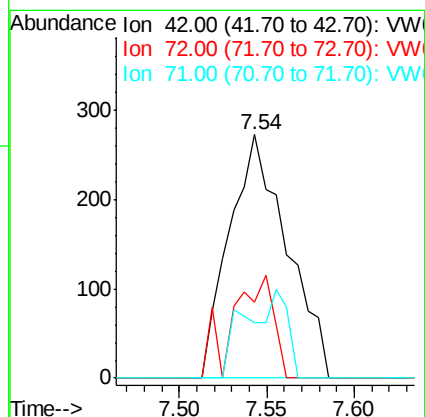
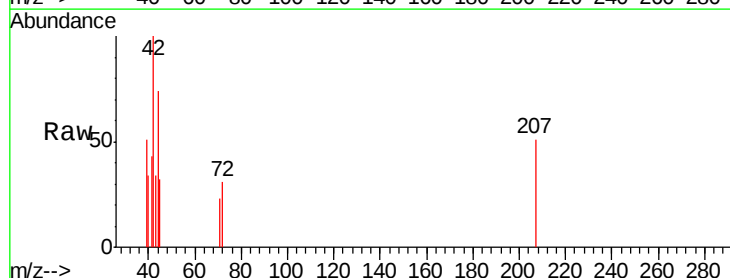
Tgt Ion: 42 Resp: 626

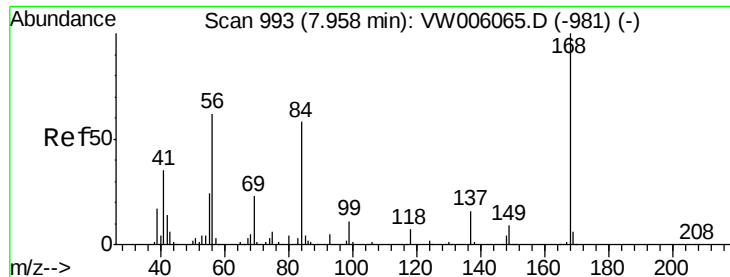
Ion Ratio Lower Upper

42 100

72 30.0 38.0 57.0#

71 10.4 35.3 52.9#

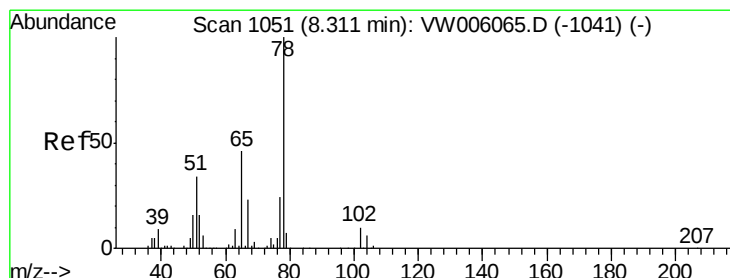
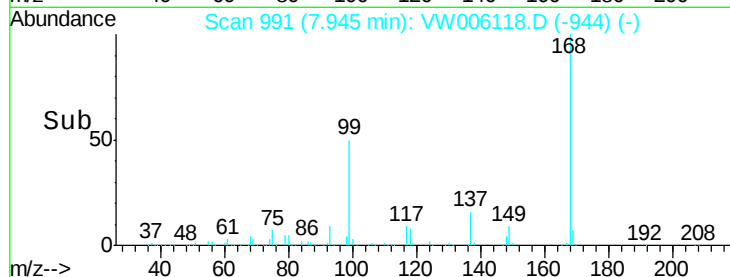
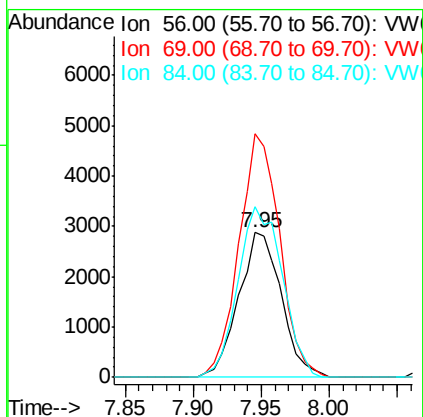
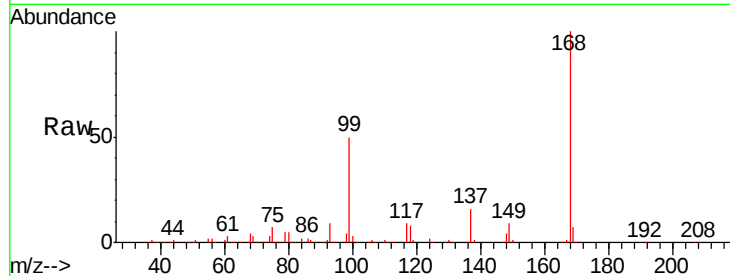




#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

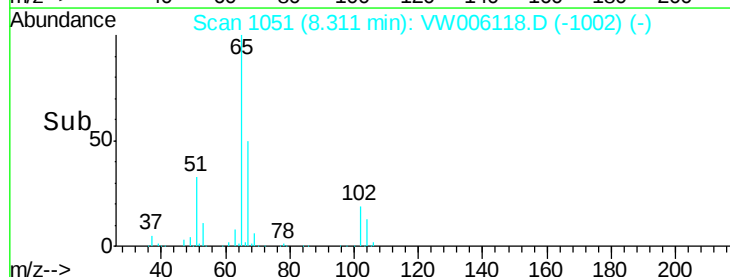
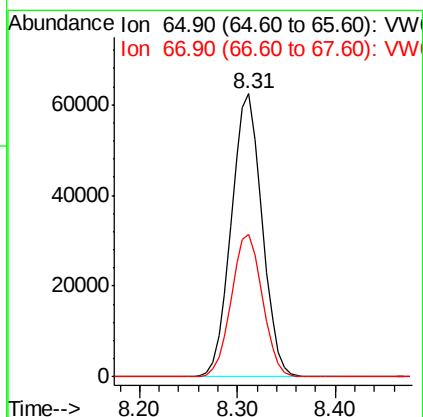
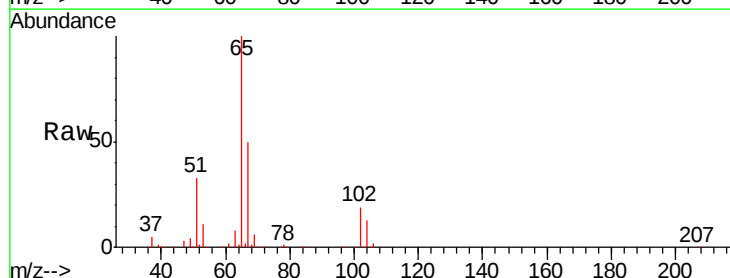
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OR-01-101618-B

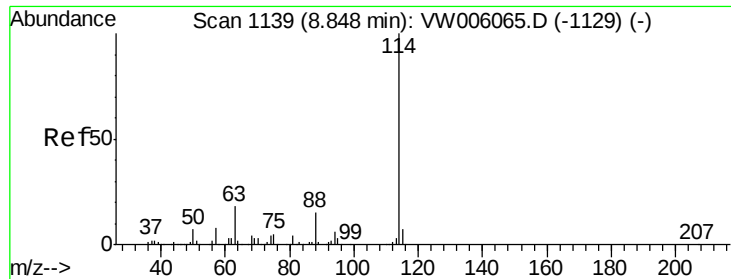
Tgt Ion: 56 Resp: 6307
Ion Ratio Lower Upper
56 100
69 168.5 29.4 44.0#
84 118.3 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 49.56 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

Tgt Ion: 65 Resp: 136316
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.0

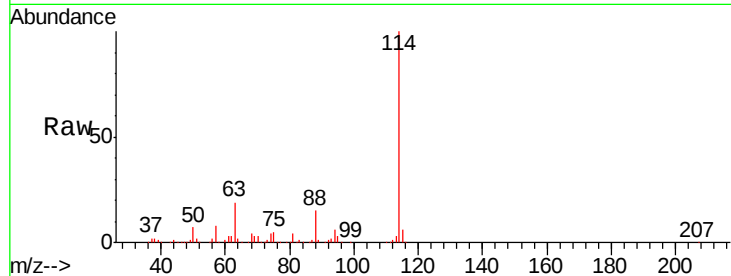




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006118.D
 Acq: 17 Oct 2018 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-01-101618-B

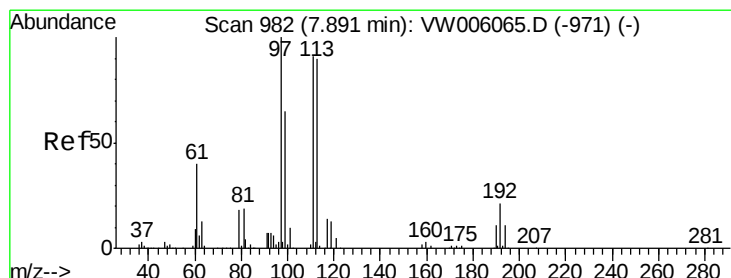
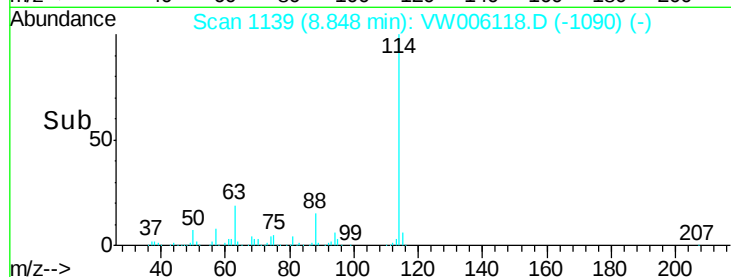
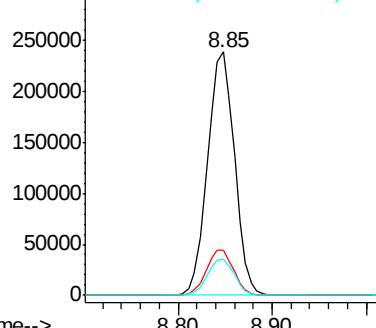
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.8
88	15.1	0.0	29.0



Abundance Ion 113.90 (113.60 to 114.60): V

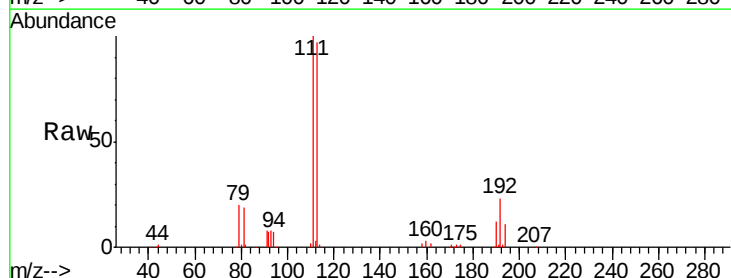
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 46.83 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006118.D
 Acq: 17 Oct 2018 10:23

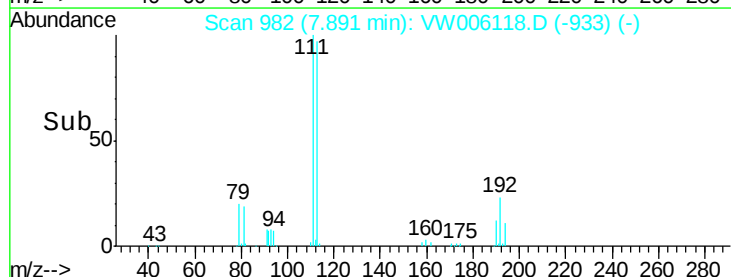
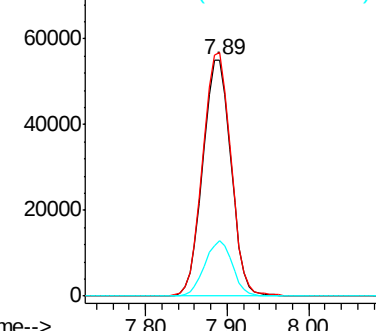
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	23.0	18.7	28.1

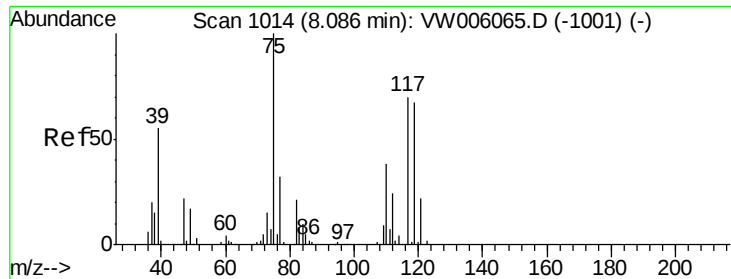


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

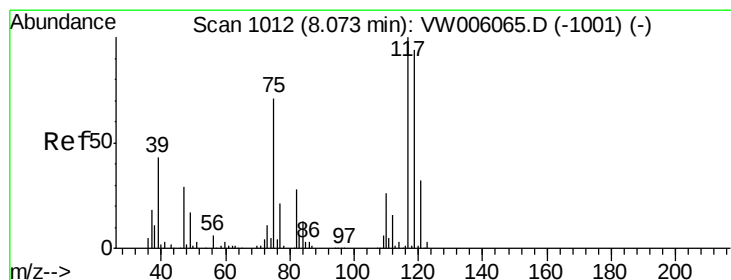
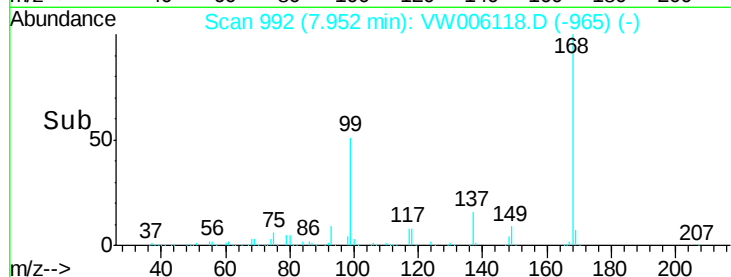
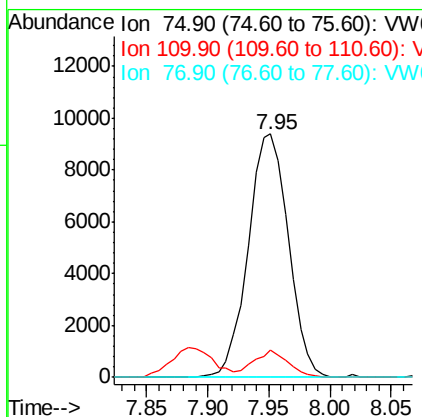
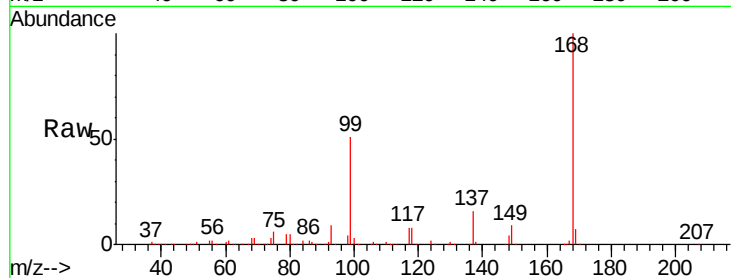




#36
 1,1-Dichloropropene
 Concen: 4.90 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006118.D
 Acq: 17 Oct 2018 10:23

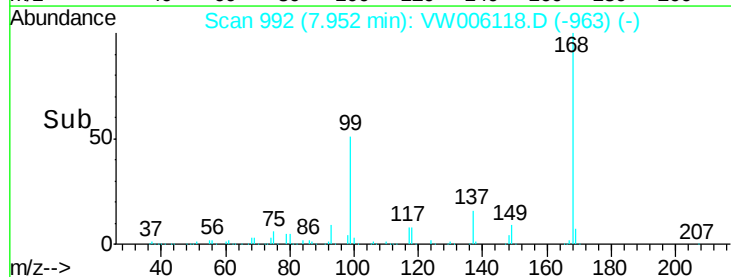
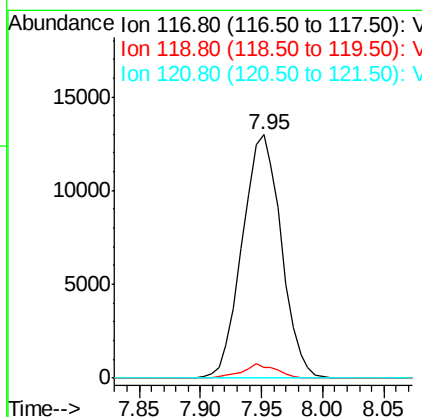
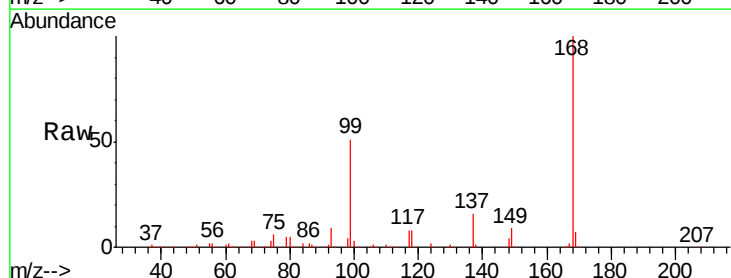
Instrument :
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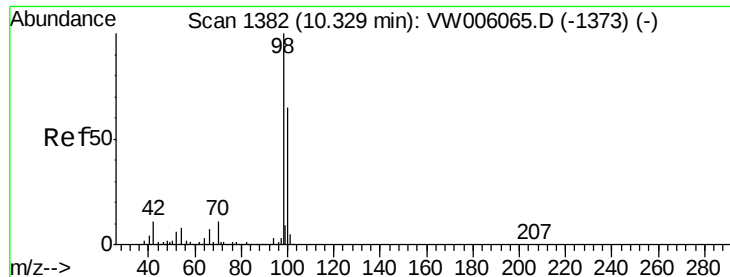
Tgt Ion: 75 Resp: 21452
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.00 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006118.D
 Acq: 17 Oct 2018 10:23

Tgt Ion: 117 Resp: 28797
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.2 112.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 43.13 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

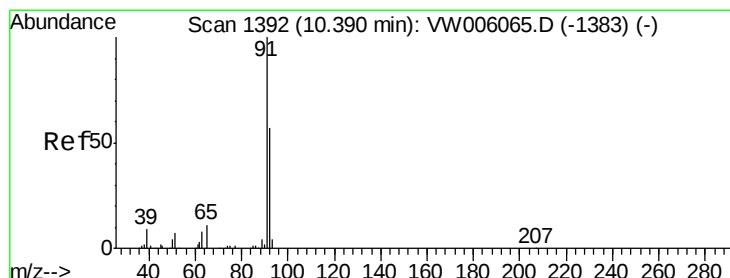
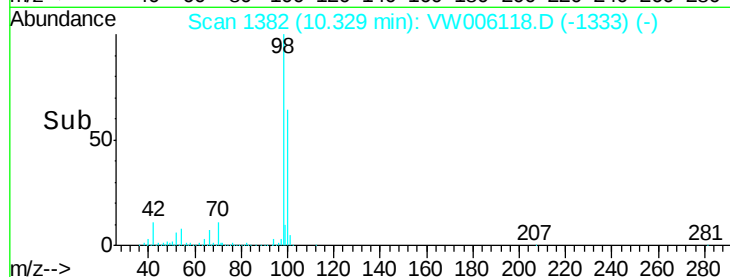
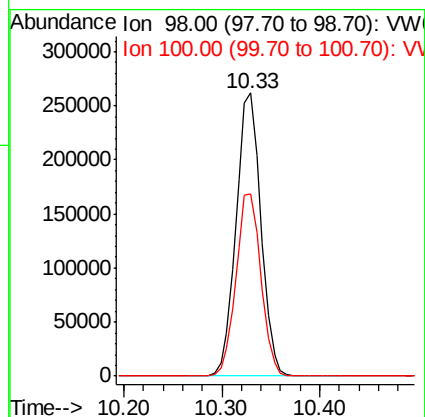
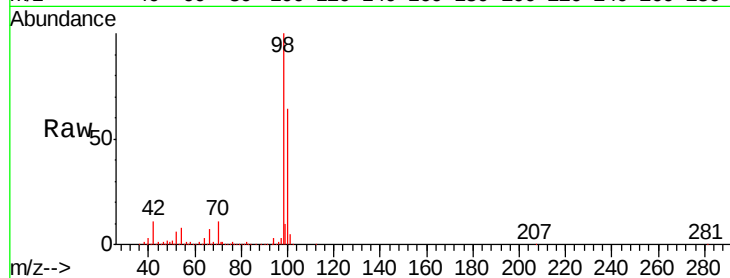
OR-01-101618-B

Tgt Ion: 98 Resp: 460676

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#52

Toluene

Concen: 6.55 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006118.D

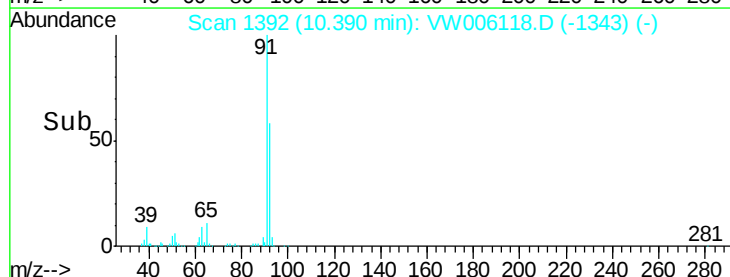
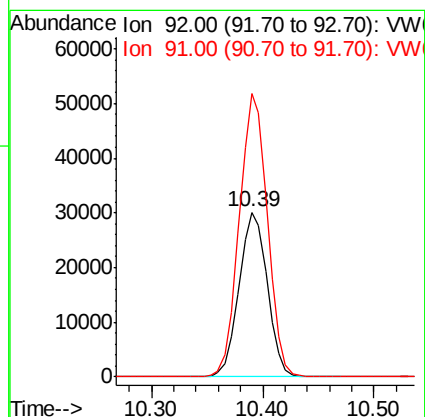
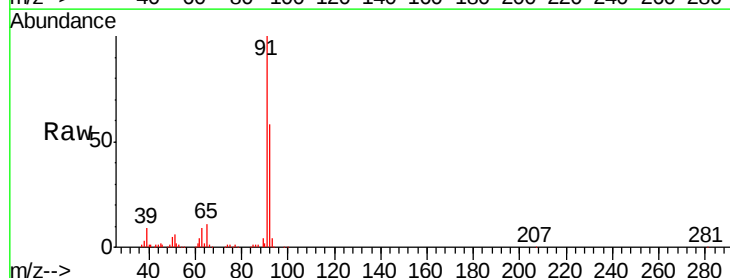
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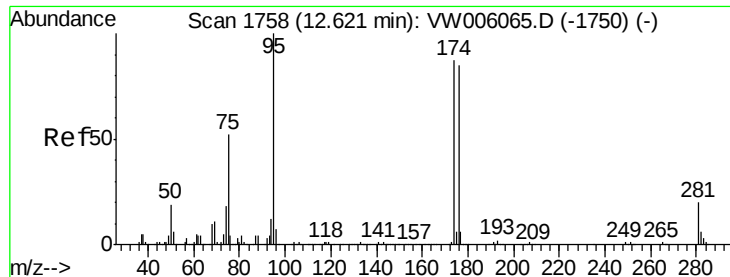
Tgt Ion: 92 Resp: 52786

Ion Ratio Lower Upper

92 100

91 171.4 140.0 210.0

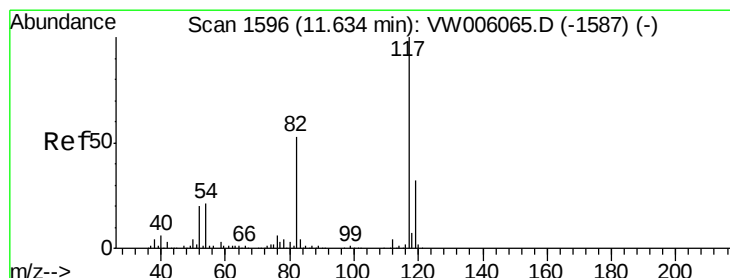
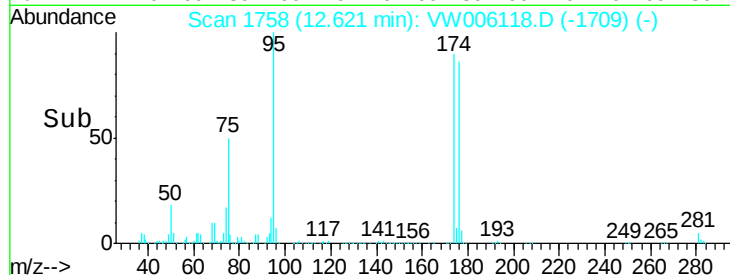
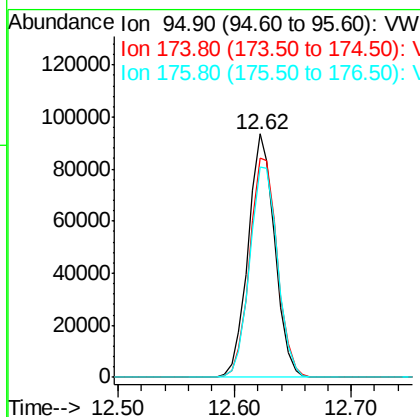
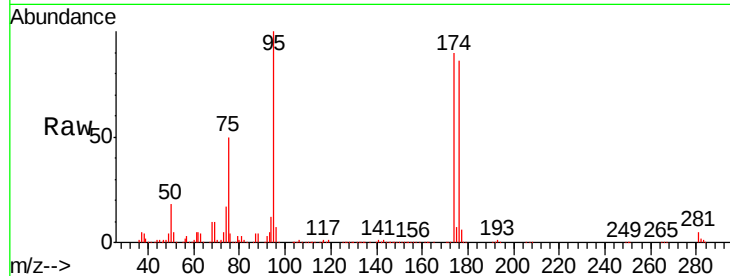




#62
4-Bromofluorobenzene
Concen: 36.97 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

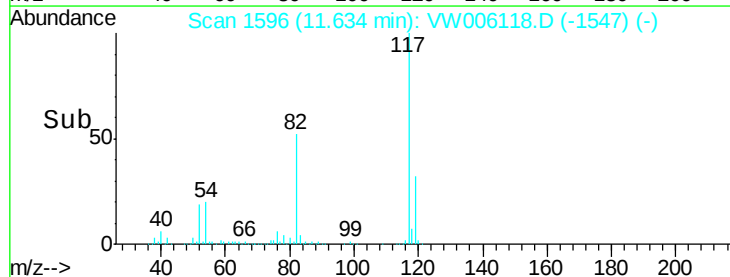
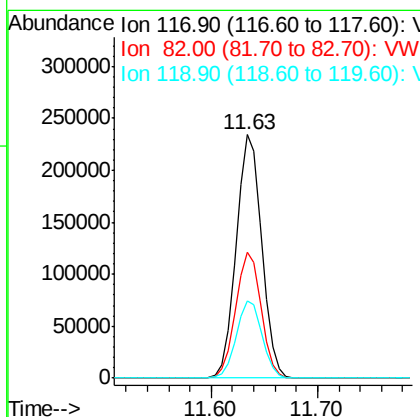
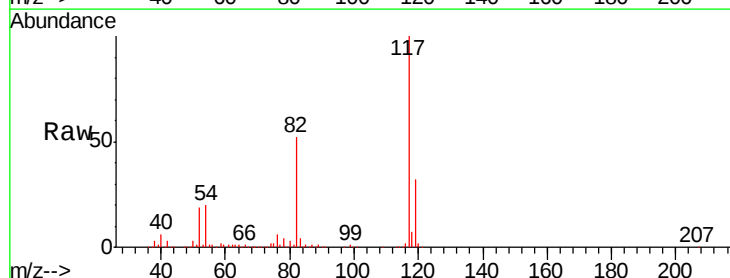
Instrument :
MSVOA_W
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OR-01-101618-B

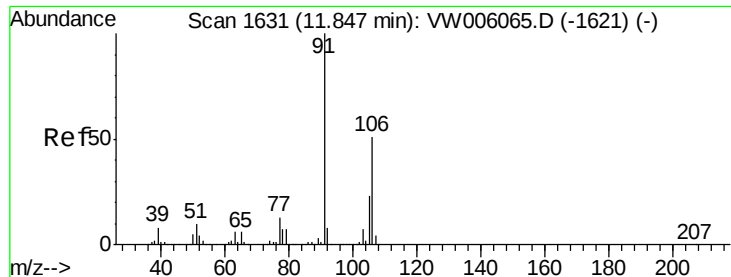
Tgt Ion: 95 Resp: 148341
Ion Ratio Lower Upper
95 100
174 93.8 0.0 186.0
176 90.9 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

Tgt Ion: 117 Resp: 394254
Ion Ratio Lower Upper
117 100
82 51.9 42.1 63.1
119 31.7 25.8 38.6

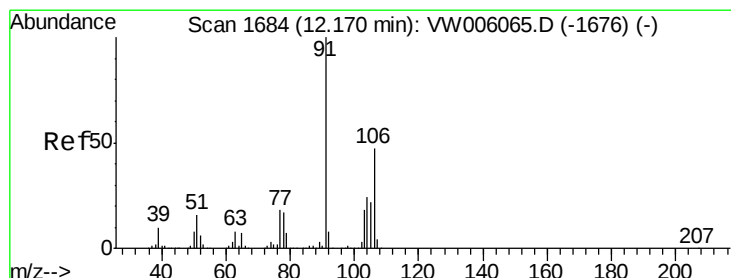
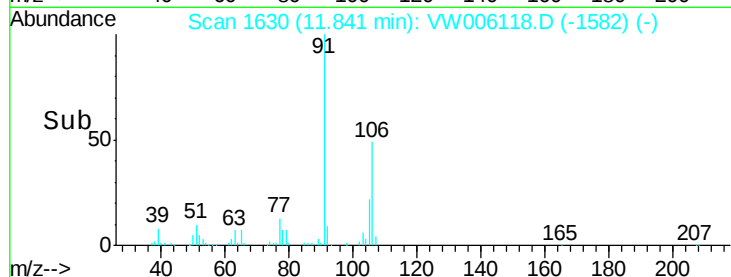
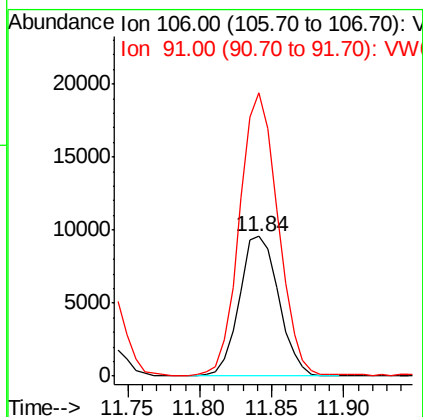
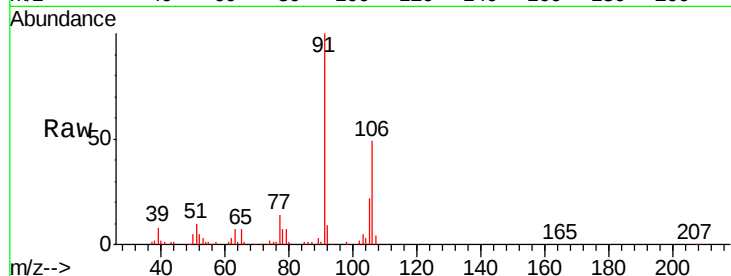




#68
m/p-Xylenes
Concen: 3.14 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

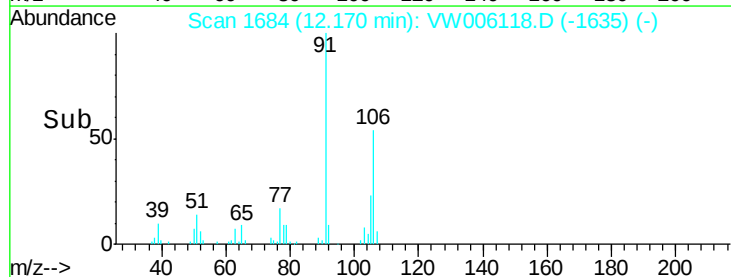
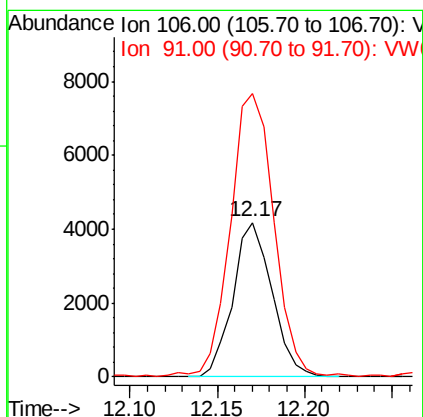
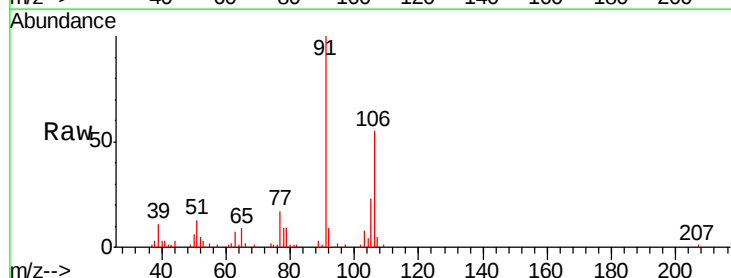
Instrument :
MSVOA_W
ClientSampleId :
OR-01-101618-B

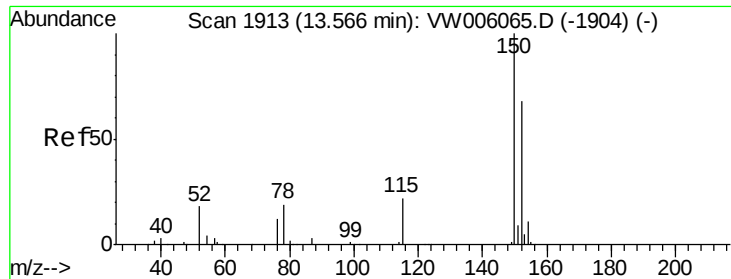
Tgt Ion:106 Resp: 18136
Ion Ratio Lower Upper
106 100
91 198.5 159.1 238.7



#69
o-Xylene
Concen: 1.18 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006118.D
Acq: 17 Oct 2018 10:23

Tgt Ion:106 Resp: 6522
Ion Ratio Lower Upper
106 100
91 204.6 105.4 316.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

OR-01-101618-B

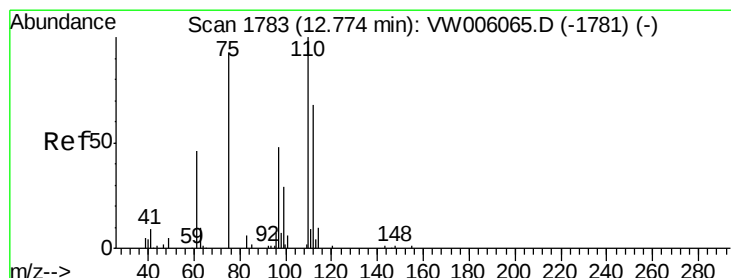
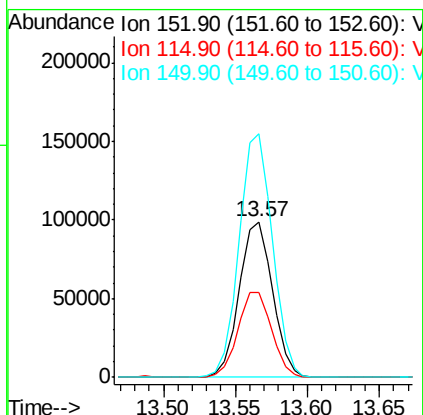
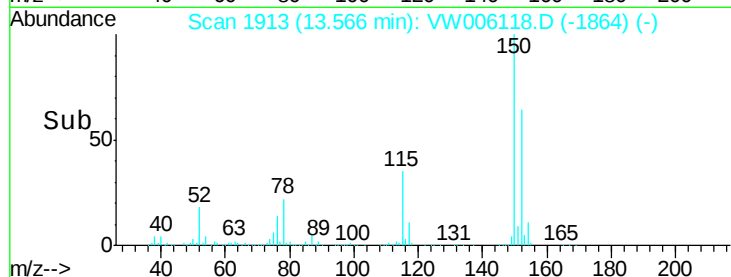
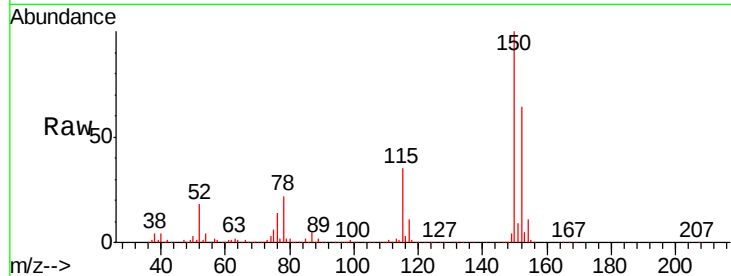
Tgt Ion:152 Resp: 159093

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.3

150 156.4 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 62.64 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006118.D

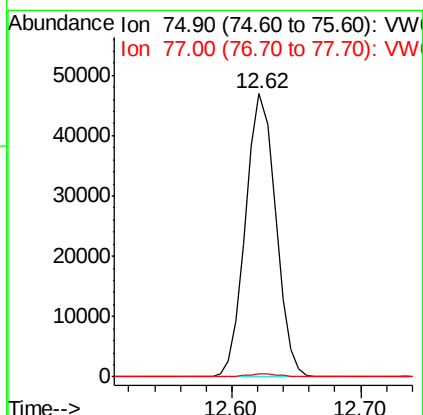
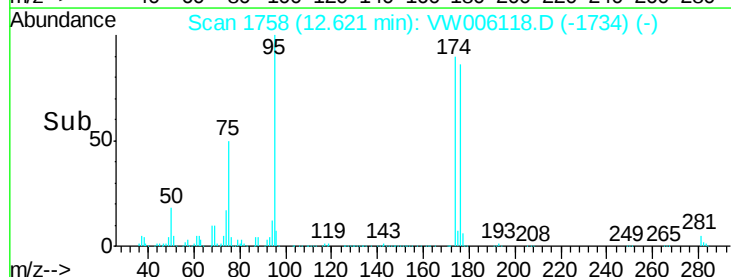
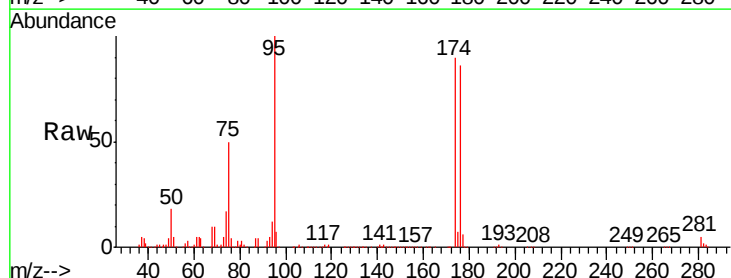
Acq: 17 Oct 2018 10:23

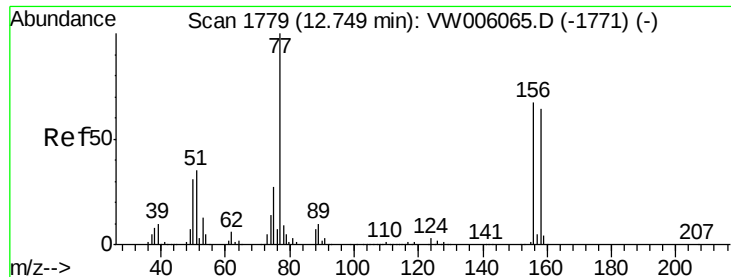
Tgt Ion: 75 Resp: 76118

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#77

Bromobenzene

Concen: 8.10 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

OR-01-101618-B

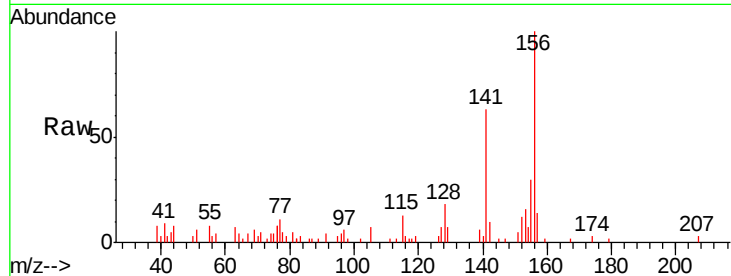
Tgt Ion:156 Resp: 22303

Ion Ratio Lower Upper

156 100

77 0.0 79.1 237.4#

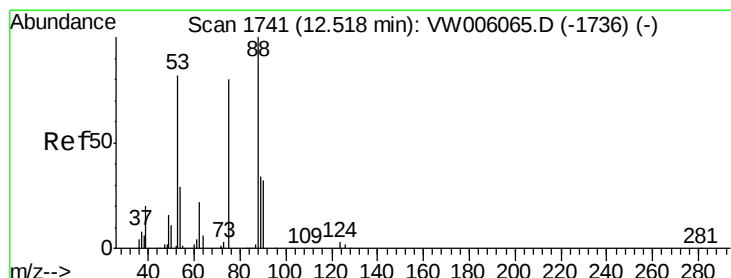
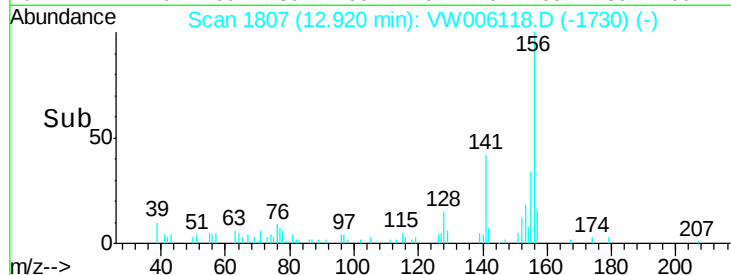
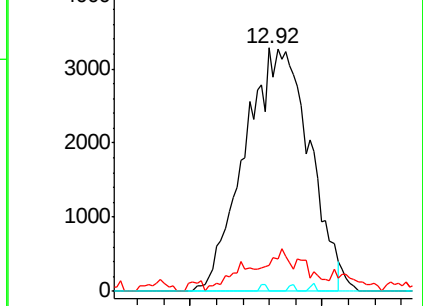
158 0.3 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 149.74 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

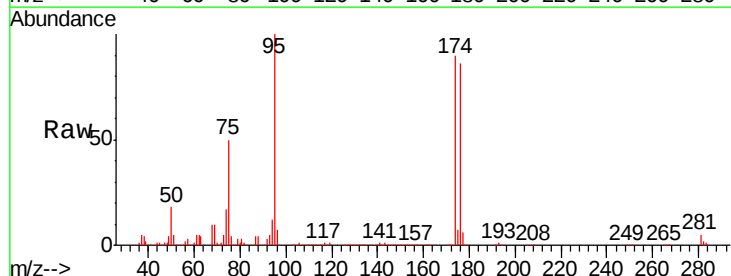
Tgt Ion: 75 Resp: 76118

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

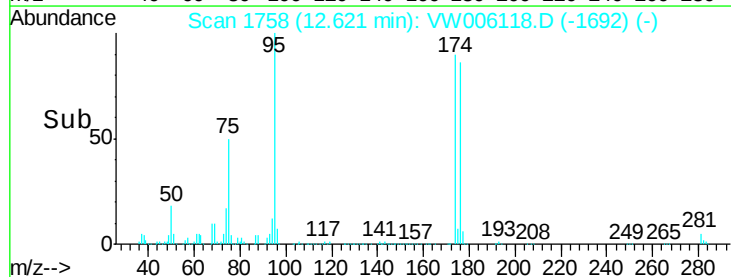
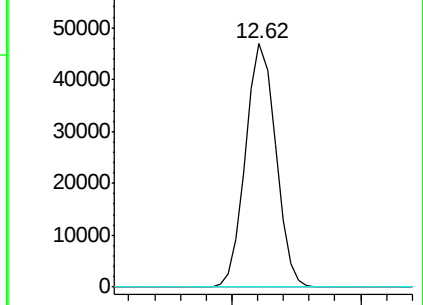
89 0.0 37.5 56.3#

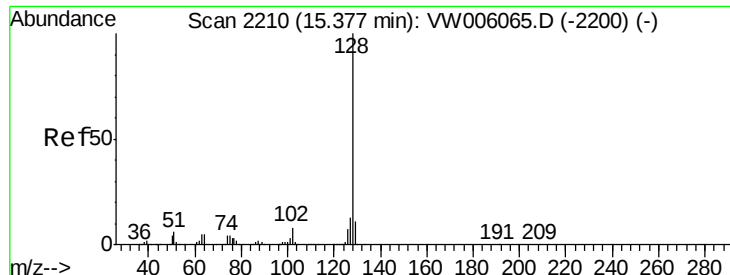


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 10.96 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006118.D

Acq: 17 Oct 2018 10:23

Instrument :

MSVOA_W

ClientSampleId :

OR-01-101618-B

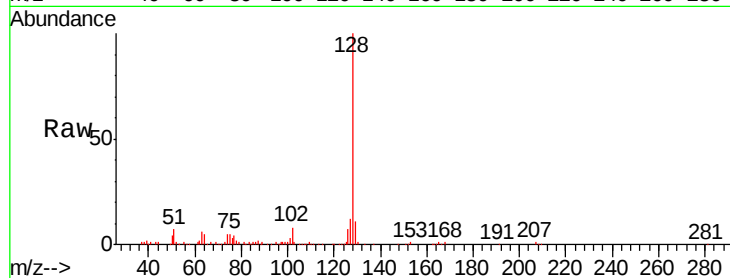
Tgt Ion:128 Resp: 68587

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.3 8.7 13.1



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

