

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
 Data File : VW005659.D
 Acq On : 26 Sep 2018 18:07
 Operator : VA/AP
 Sample : J5066-04
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Sep 27 06:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	354840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	148534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	156071	59.29	ug/l	0.00
Spiked Amount			Recovery	=	118.58%	
35) Dibromofluoromethane	7.89	113	121089	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
50) Toluene-d8	10.33	98	395595	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
62) 4-Bromofluorobenzene	12.62	95	147325	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	

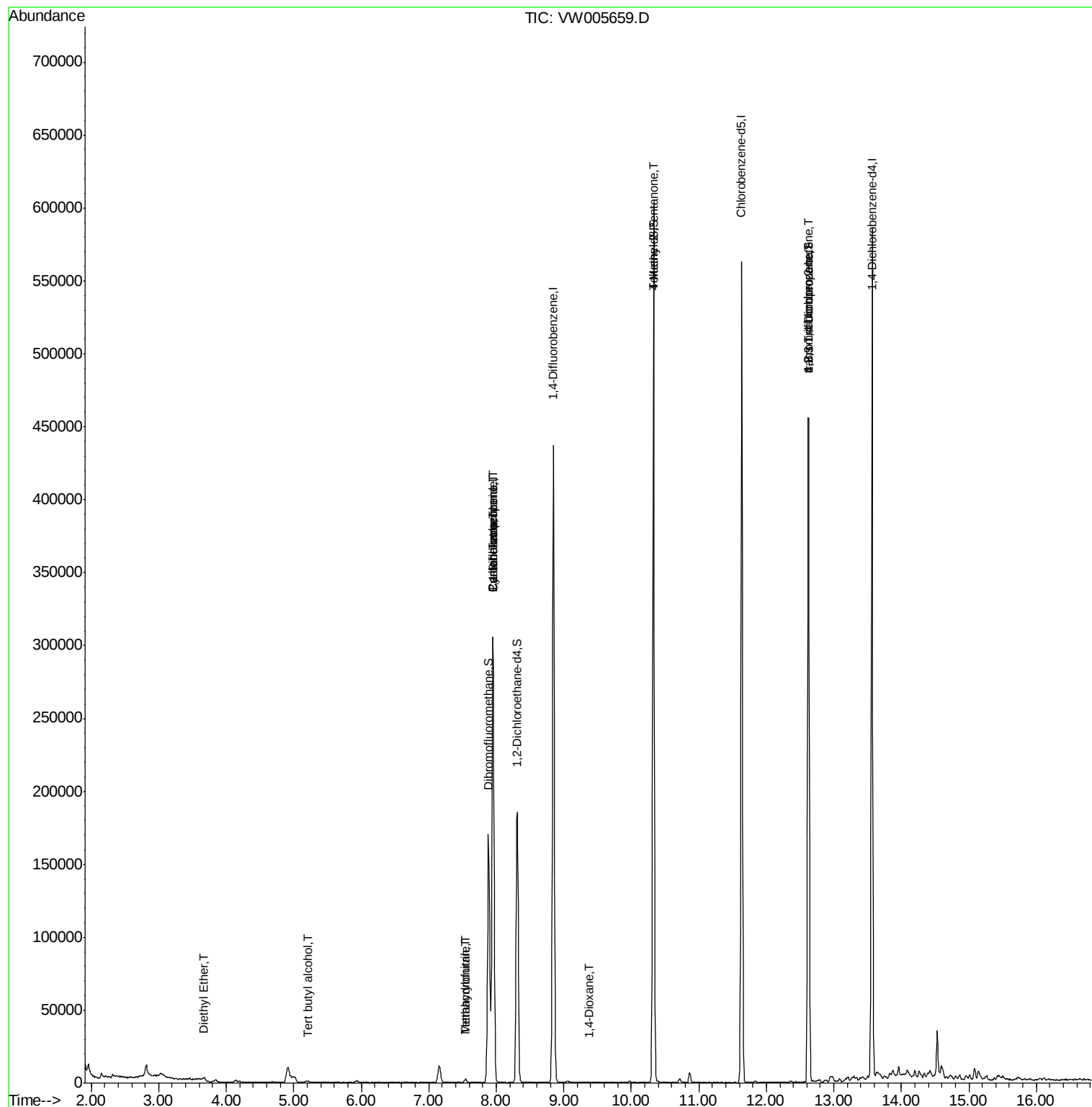
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1240	1.131	ug/l	75
11) Tert butyl alcohol	5.21	59	1851	11.356	ug/l #	72
16) Acetone	4.14	43	2706	Below Cal		91
29) Tetrahydrofuran	7.54	42	1531	3.833	ug/l	98
31) Cyclohexane	7.95	56	4966	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17069	4.779	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21798	5.695	ug/l #	16
41) Methacrylonitrile	7.54	41	1108	1.295	ug/l #	48
49) 1,4-Dioxane	9.38	88	20	1.011	ug/l #	11
51) 4-Methyl-2-Pentanone	10.33	43	1953	1.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	77375	61.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77375	137.639	ug/l #	7

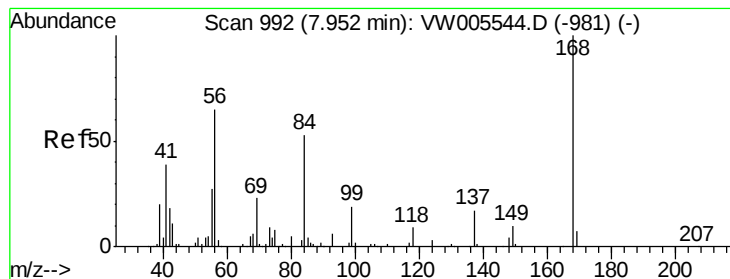
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092618\
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Quant Title : SW846 8260
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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: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

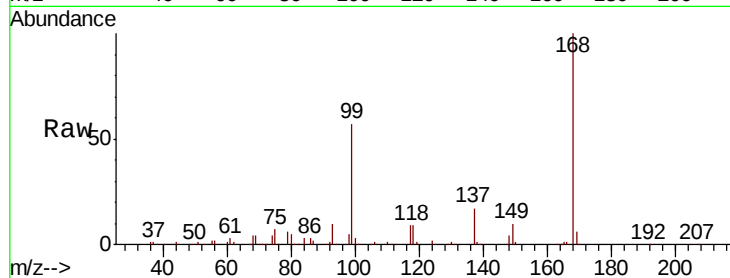
BFB

Tgt Ion:168 Resp: 223427

Ion Ratio Lower Upper

168 100

99 57.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

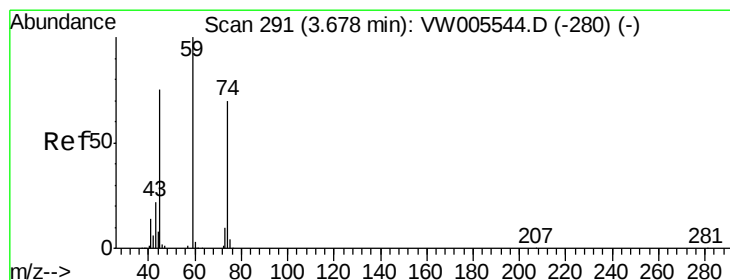
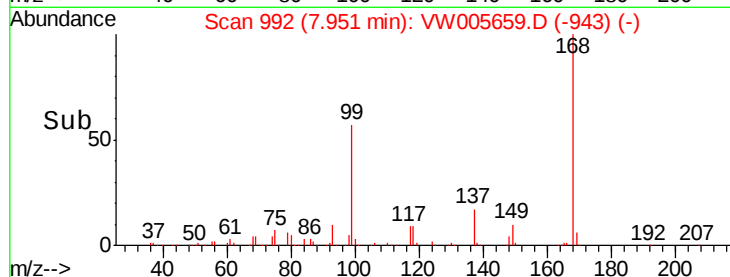
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.131 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW005659.D

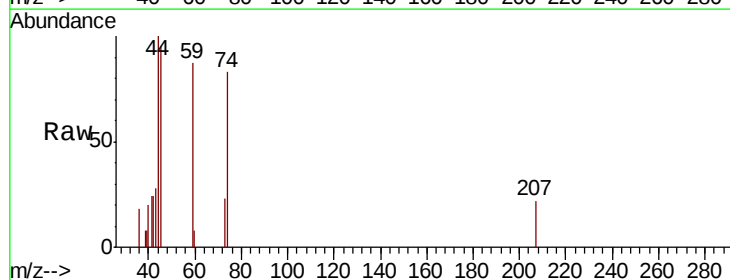
Acq: 26 Sep 2018 18:07

Tgt Ion: 74 Resp: 1240

Ion Ratio Lower Upper

74 100

45 128.7 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

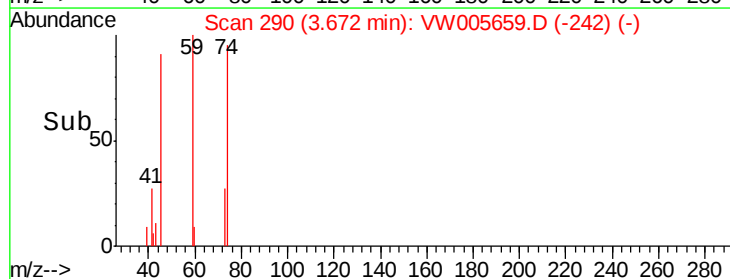
600

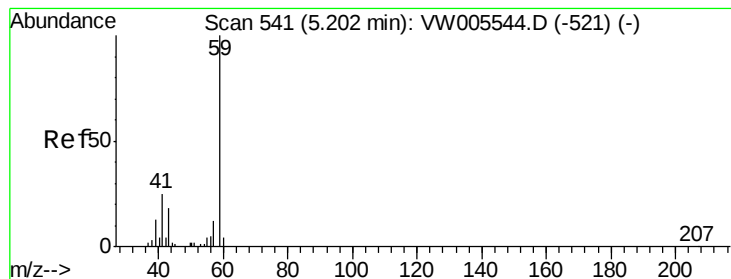
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 11.356 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.01 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

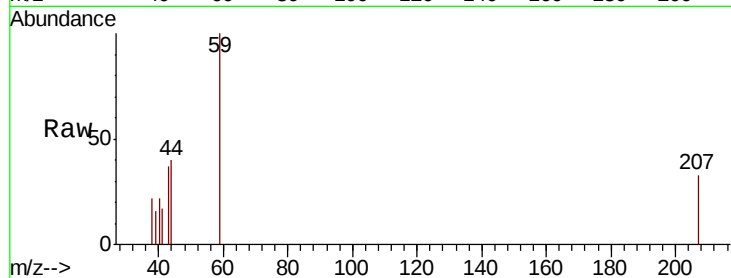
BFB

Tgt Ion: 59 Resp: 1851

Ion Ratio Lower Upper

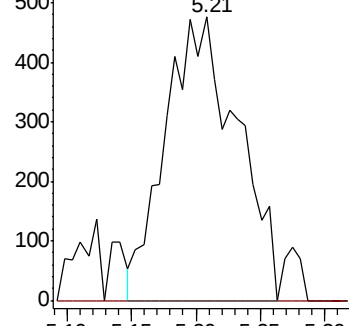
59 100

57 0.0 8.3 12.5#

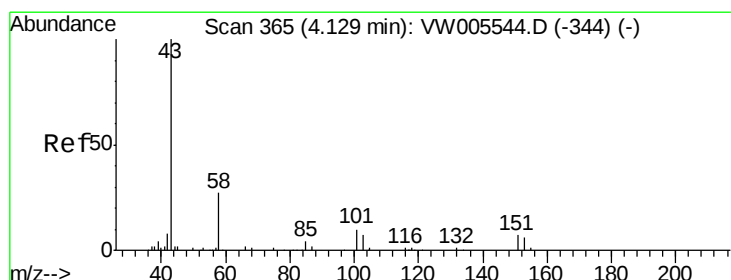
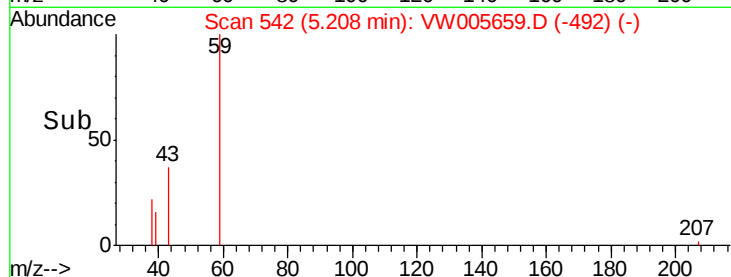


Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005659.D

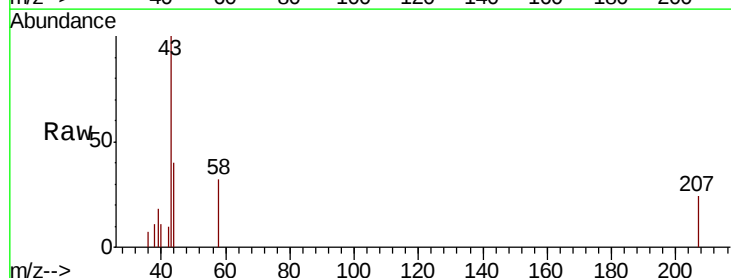
Acq: 26 Sep 2018 18:07

Tgt Ion: 43 Resp: 2706

Ion Ratio Lower Upper

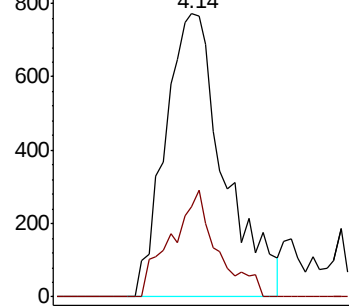
43 100

58 31.9 21.8 32.8

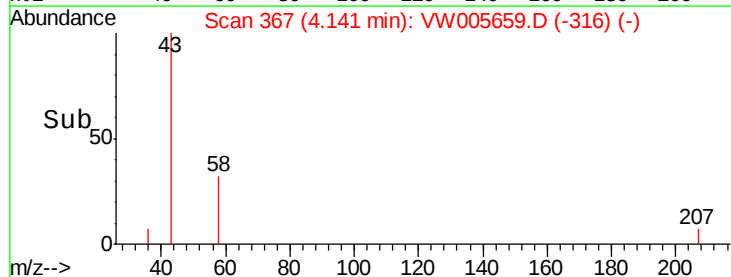


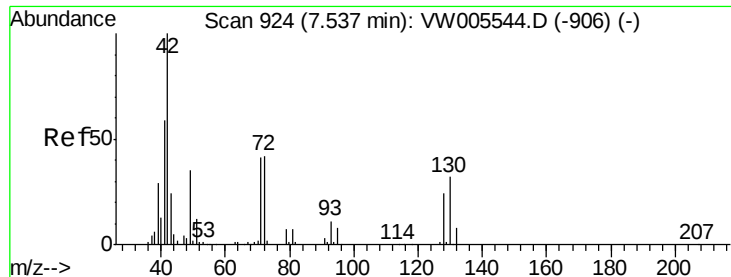
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

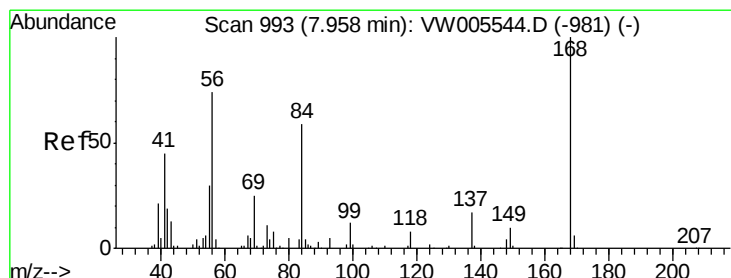
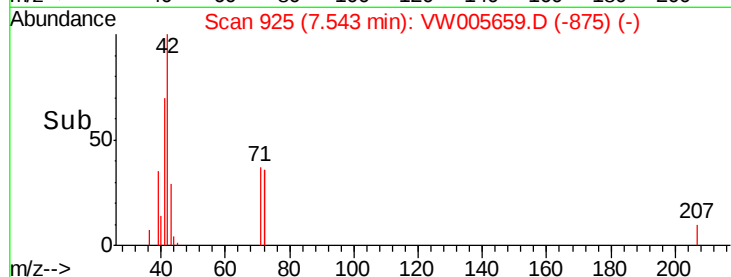
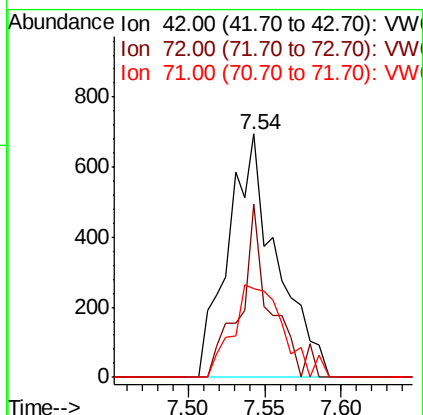
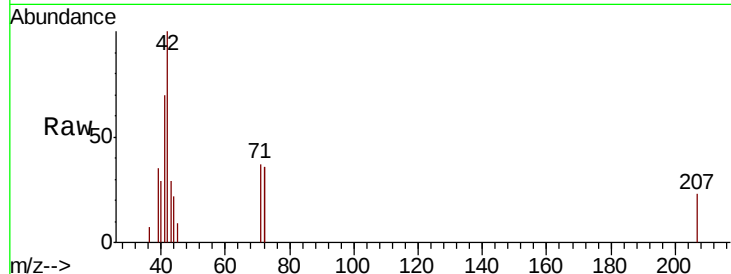




#29
Tetrahydrofuran
Concen: 3.833 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

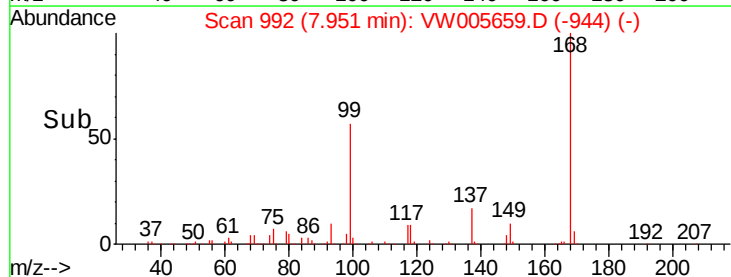
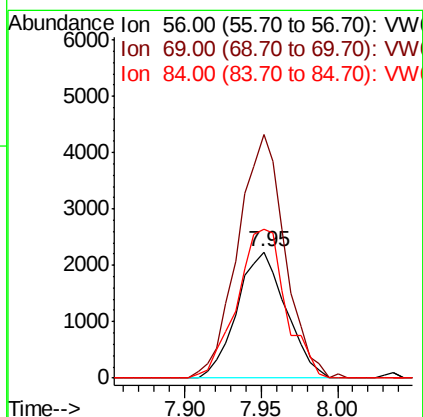
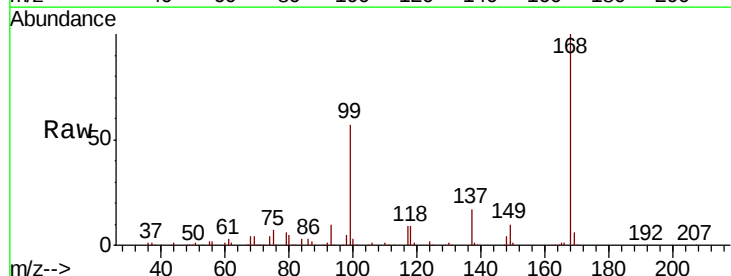
Instrument :
MSVOA_W
ClientSampled :
BFB

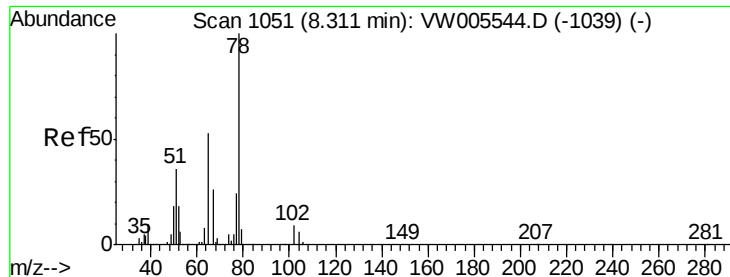
Tgt Ion: 42 Resp: 1531
Ion Ratio Lower Upper
42 100
72 44.2 33.6 50.4
71 39.6 31.8 47.6



#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

Tgt Ion: 56 Resp: 4966
Ion Ratio Lower Upper
56 100
69 192.8 27.0 40.4#
84 118.1 64.2 96.4#

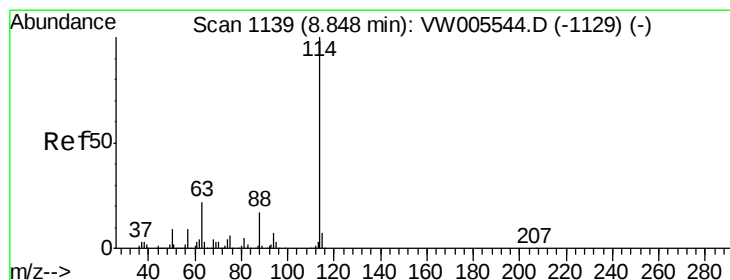
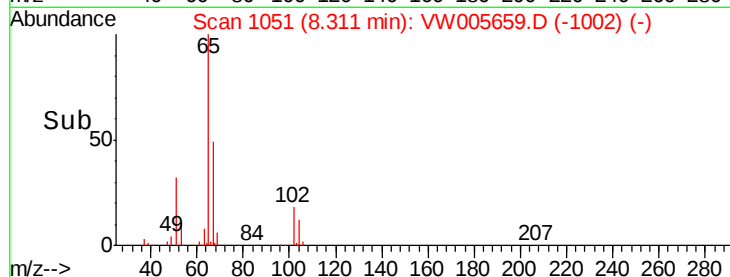
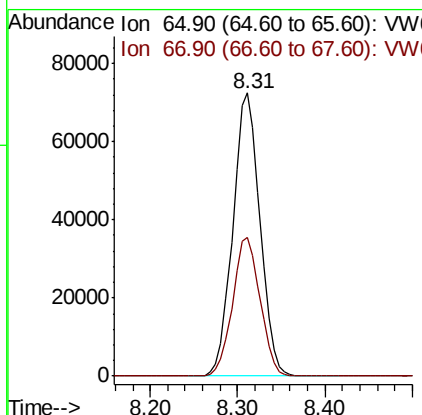
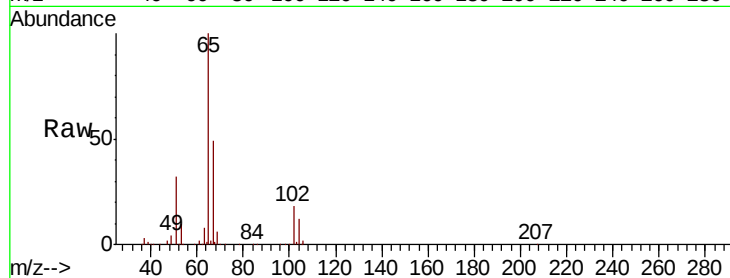




#33
 1,2-Dichloroethane-d4
 Concen: 59.295 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005659.D
 Acq: 26 Sep 2018 18:07

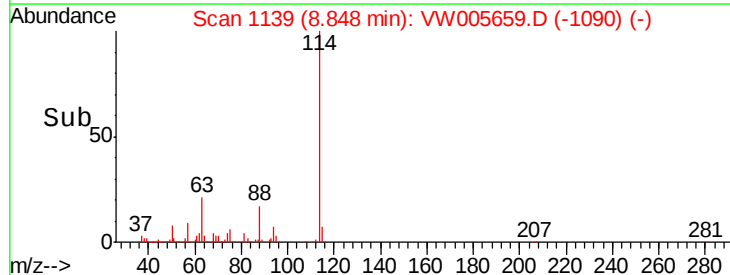
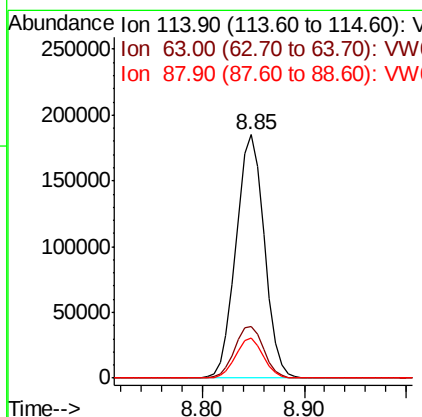
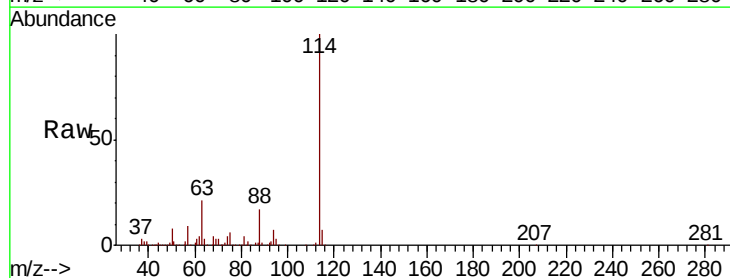
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

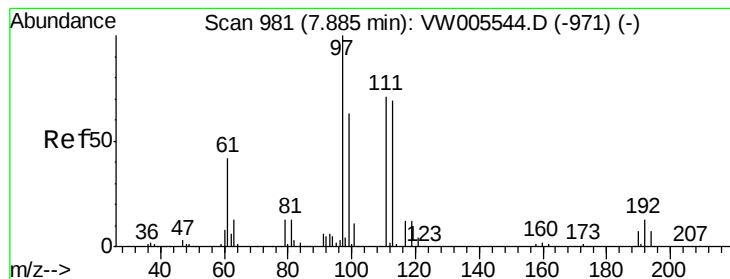
Tgt Ion: 65 Resp: 156071
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005659.D
 Acq: 26 Sep 2018 18:07

Tgt Ion: 114 Resp: 354840
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.0
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.265 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

BFB

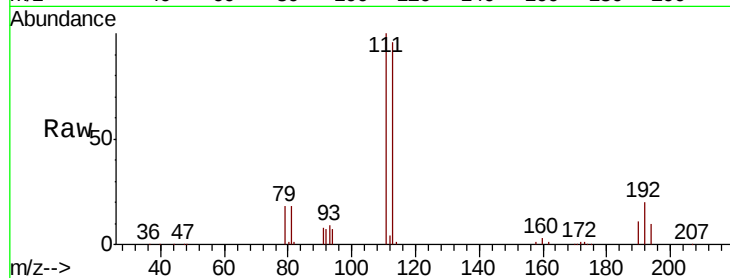
Tgt Ion:113 Resp: 121089

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

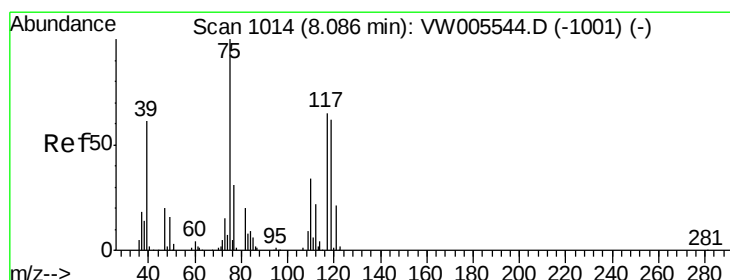
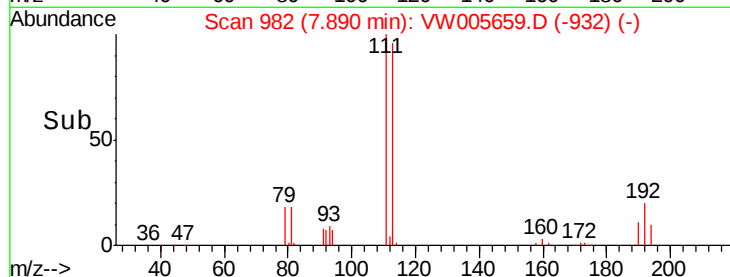
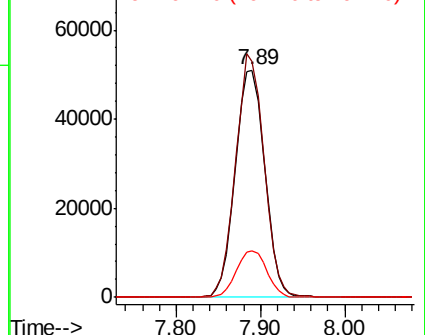
192 21.2 17.0 25.4



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: 4.779 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

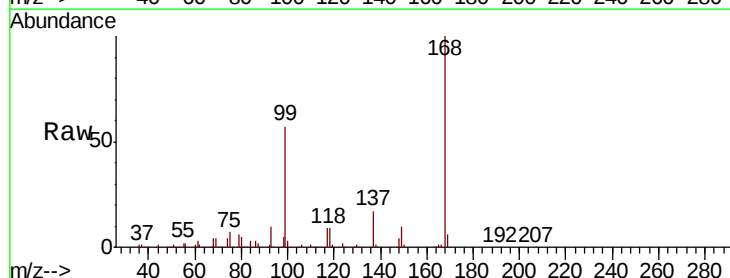
Tgt Ion: 75 Resp: 17069

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

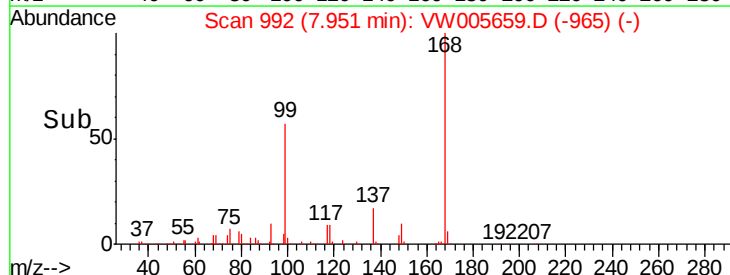
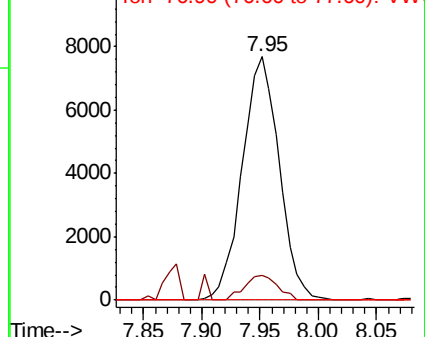
77 0.0 24.8 37.2#

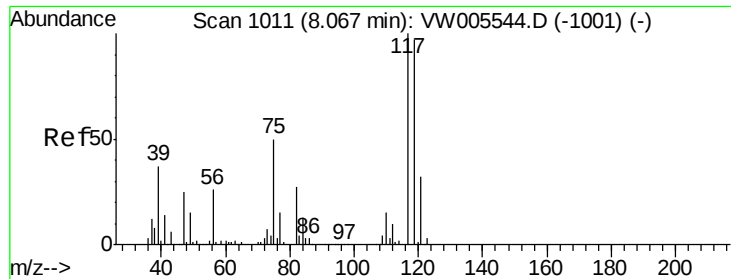


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

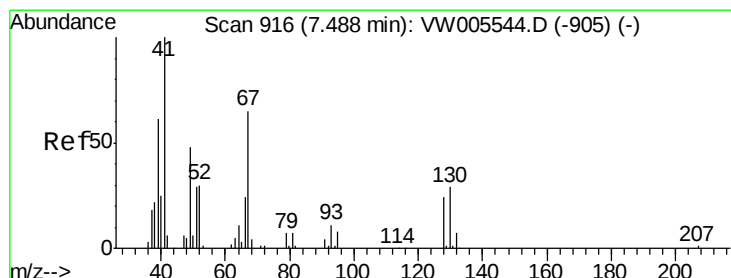
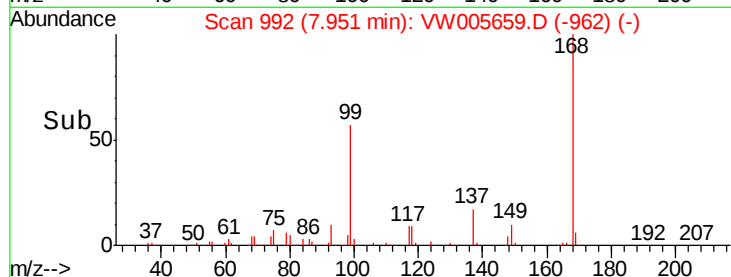
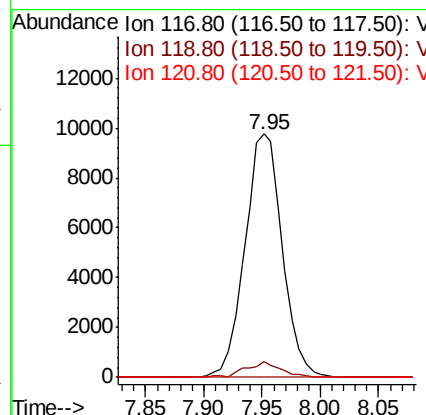
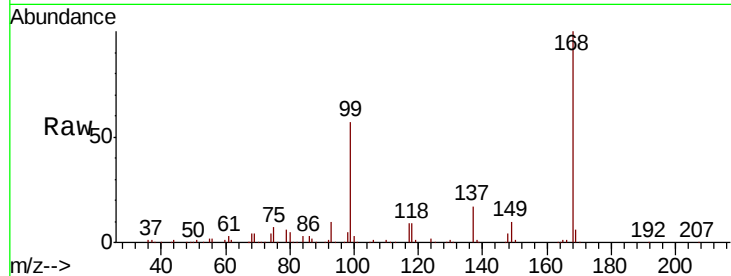




#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

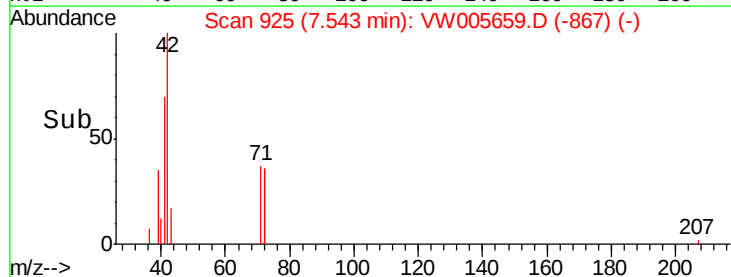
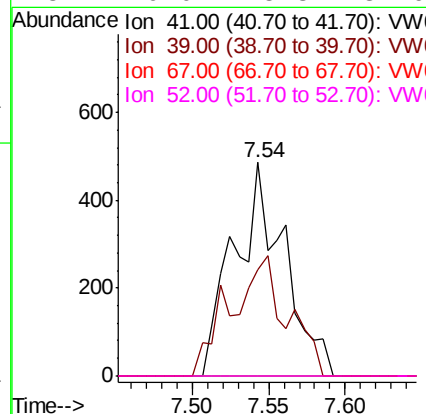
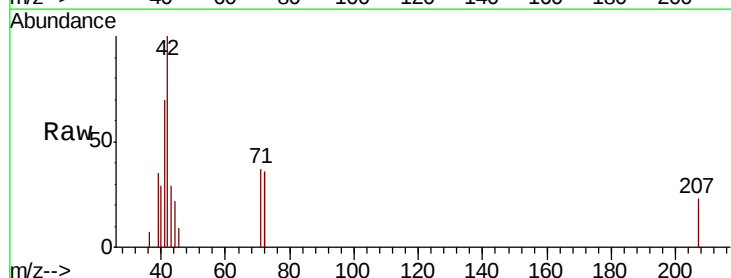
Instrument :
MSVOA_W
ClientSampled :
BFB

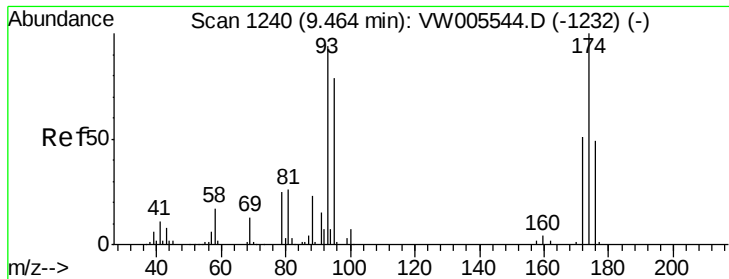
Tgt Ion: 117 Resp: 21798
Ion Ratio Lower Upper
117 100
119 6.2 77.6 116.4#
121 0.0 25.7 38.5#



#41
Methacrylonitrile
Concen: 1.295 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.05 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

Tgt Ion: 41 Resp: 1108
Ion Ratio Lower Upper
41 100
39 63.4 45.4 68.2
67 0.0 55.2 82.8#
52 0.0 25.3 37.9#





#49

1,4-Dioxane

Concen: 1.011 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.08 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampleId :

BFB

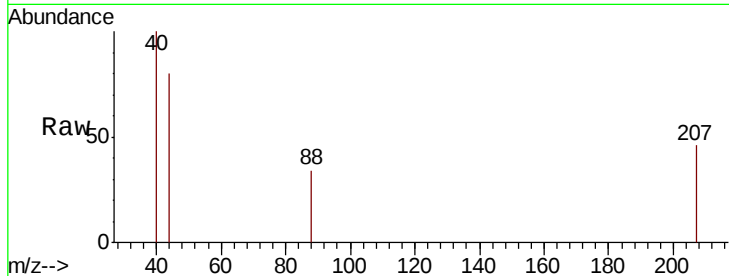
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

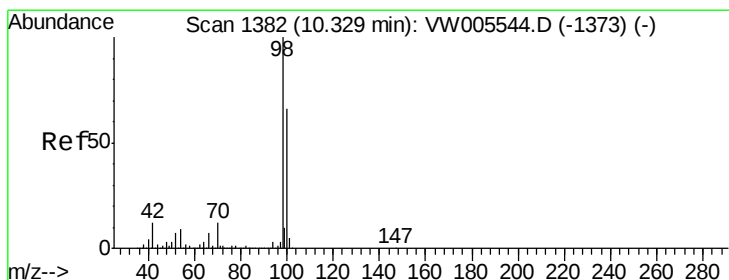
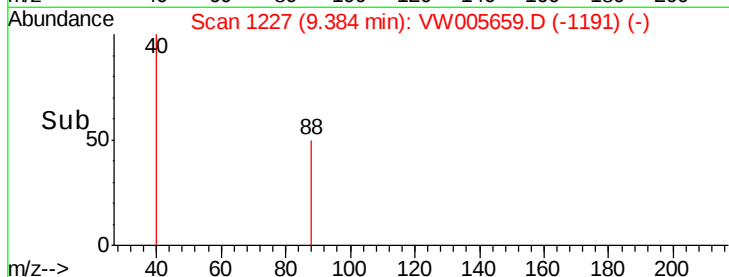
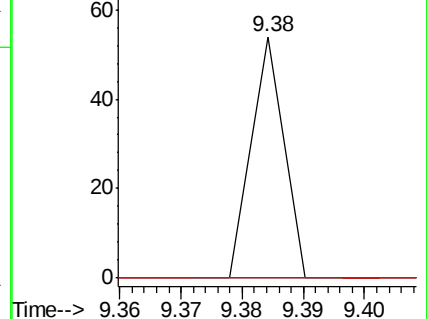
58 0.0 61.2 91.8#



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: 43.539 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005659.D

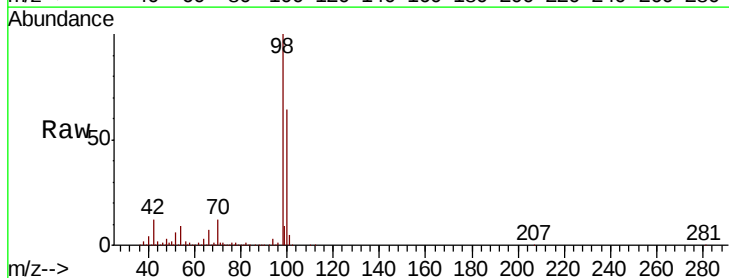
Acq: 26 Sep 2018 18:07

Tgt Ion: 98 Resp: 395595

Ion Ratio Lower Upper

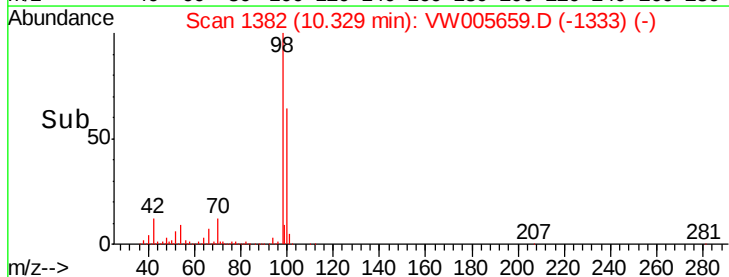
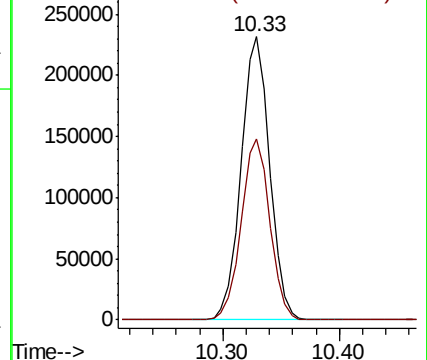
98 100

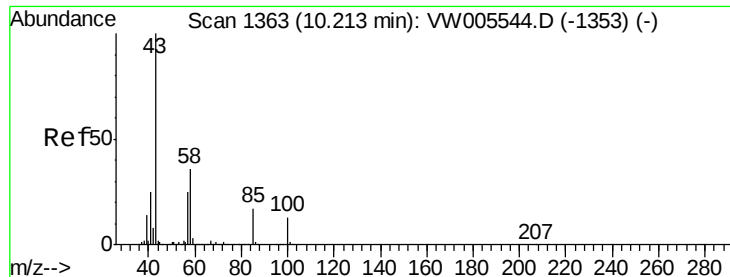
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.312 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

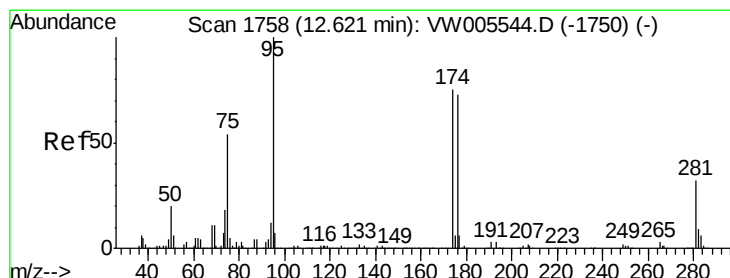
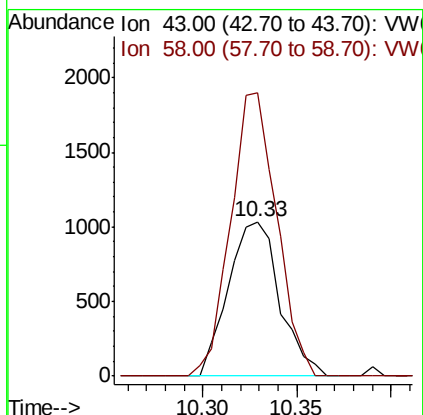
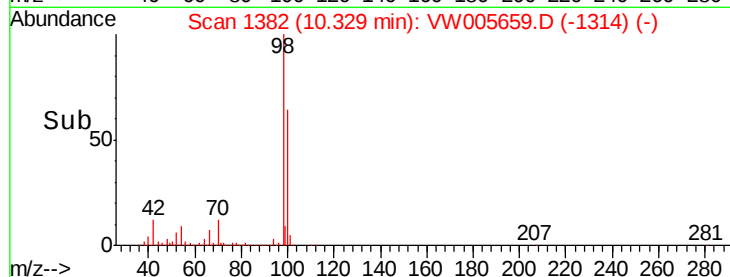
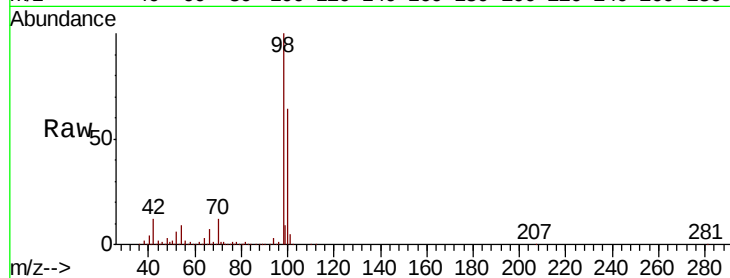
BFB

Tgt Ion: 43 Resp: 1953

Ion Ratio Lower Upper

43 100

58 164.6 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 43.820 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

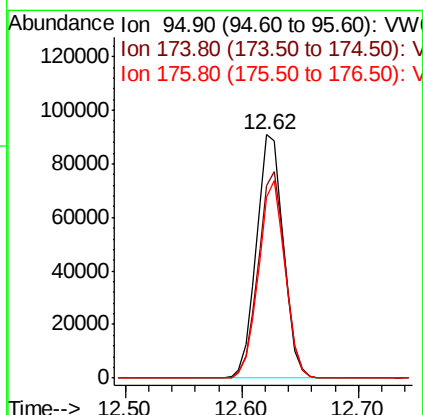
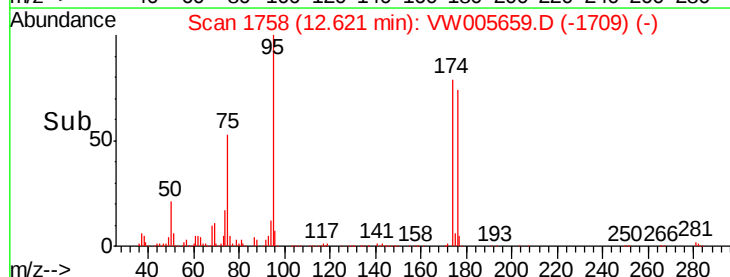
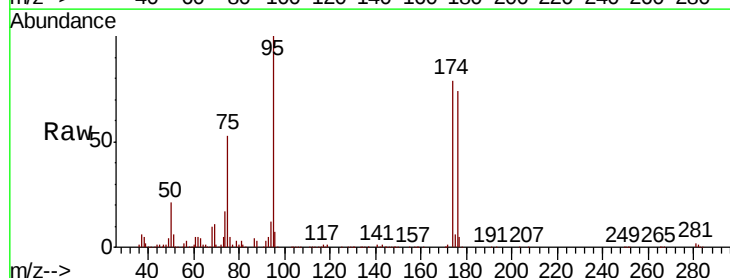
Tgt Ion: 95 Resp: 147325

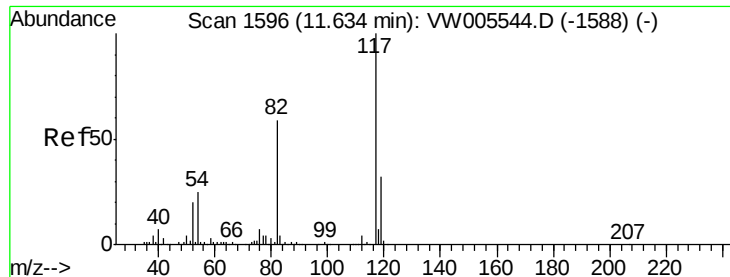
Ion Ratio Lower Upper

95 100

174 84.6 0.0 163.8

176 79.7 0.0 158.0

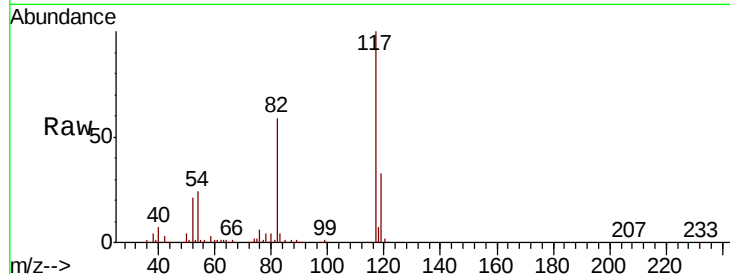




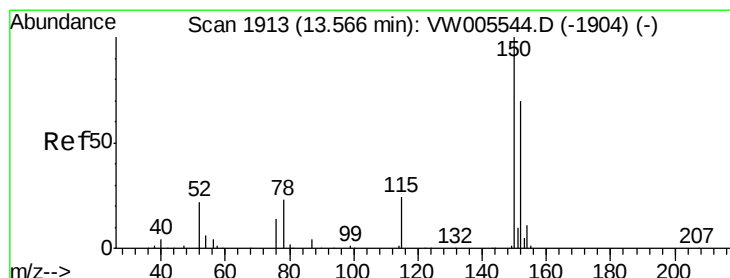
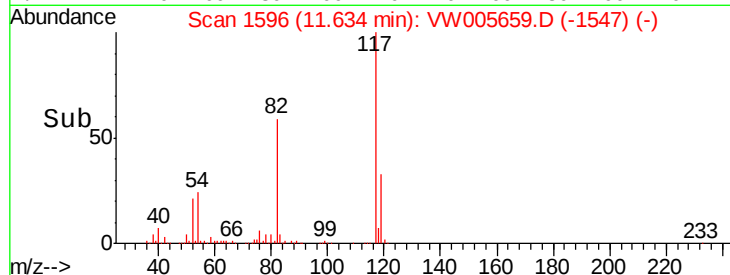
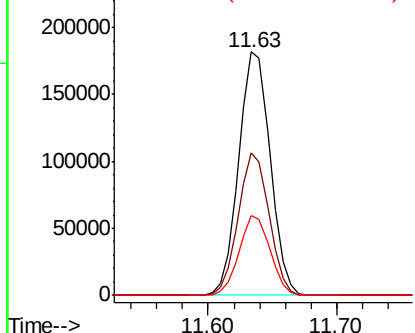
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:117 Resp: 308339
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 32.7 25.7 38.5

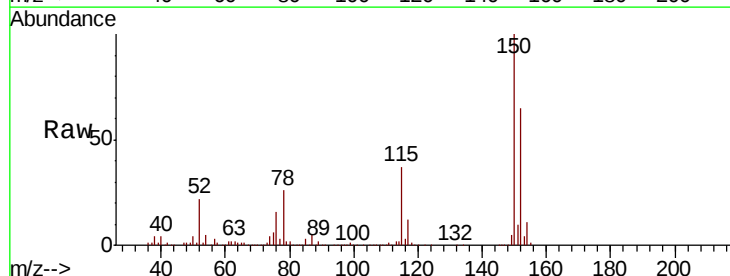


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

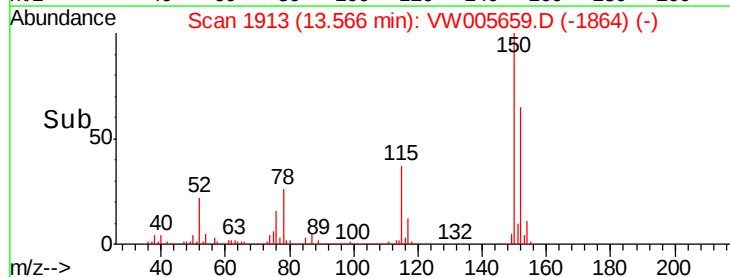
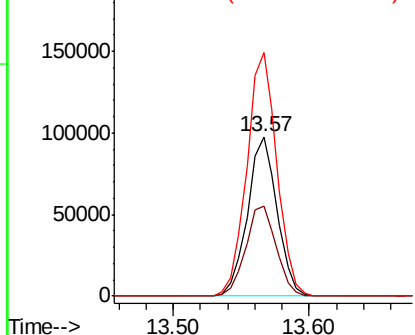


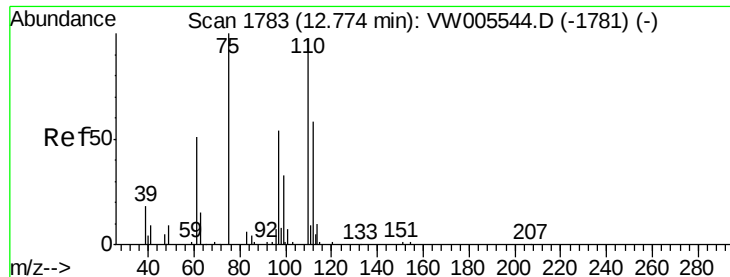
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005659.D
Acq: 26 Sep 2018 18:07

Tgt Ion:152 Resp: 148534
Ion Ratio Lower Upper
152 100
115 58.8 30.0 90.0
150 155.0 0.0 348.6



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: 61.110 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Instrument :

MSVOA_W

ClientSampled :

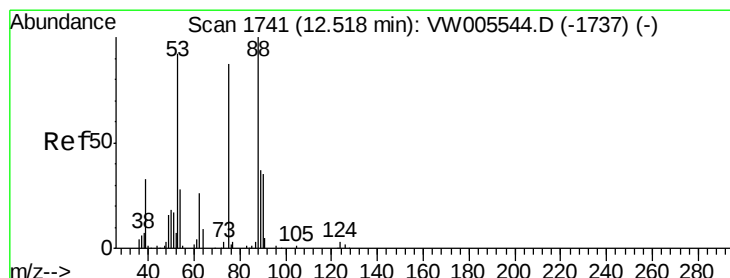
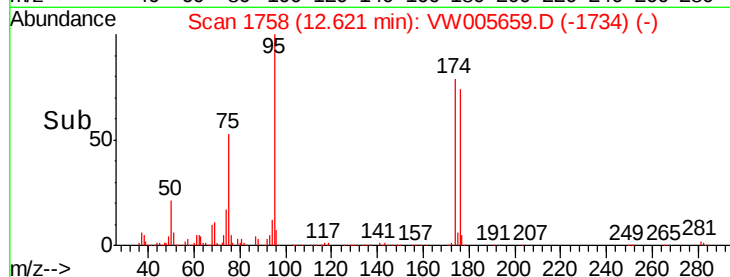
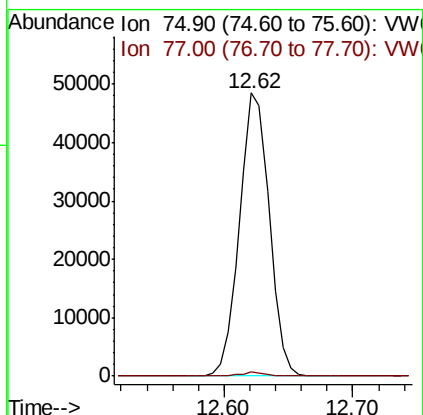
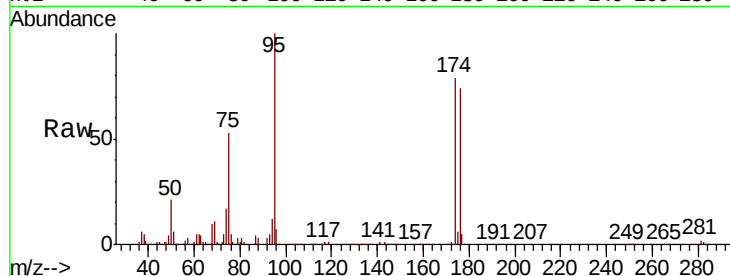
BFB

Tgt Ion: 75 Resp: 77375

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.639 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005659.D

Acq: 26 Sep 2018 18:07

Tgt Ion: 75 Resp: 77375

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

89 0.0 37.3 55.9#

