

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007552.D
 Acq On : 15 Dec 2018 00:38
 Operator : SY/AP
 Sample : J6391-11
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFB

Quant Time: Dec 15 03:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 15 03:35:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	35688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	60003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15772	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	21014	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	7.88	113	18132	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.32	98	59355	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	
62) 4-Bromofluorobenzene	12.62	95	18053	36.05	ug/l	0.00
Spiked Amount			Recovery	=	72.10%	

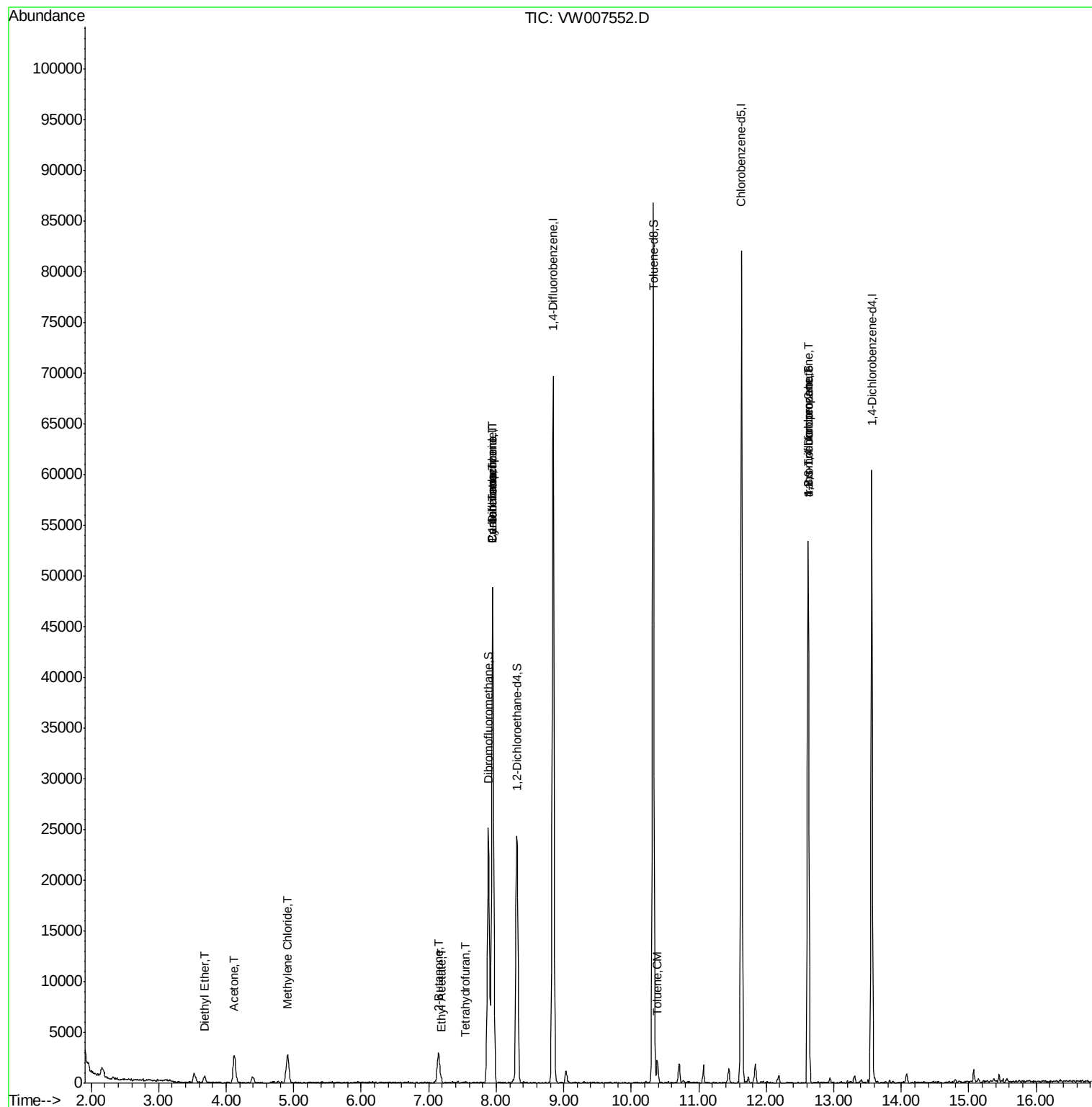
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	363	2.105	ug/l	91
16) Acetone	4.12	43	5194	75.104	ug/l	94
20) Methylene Chloride	4.91	84	2133	1.869	ug/l	93
25) 2-Butanone	7.16	43	216	2.392	ug/l #	45
29) Tetrahydrofuran	7.54	42	58	1.015	ug/l #	30
31) Cyclohexane	7.94	56	694	1.128	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	2781	5.081	ug/l #	47
37) Ethyl Acetate	7.19	43	256	1.257	ug/l #	66
38) Carbon Tetrachloride	7.95	117	3877	6.510	ug/l #	16
52) Toluene	10.39	92	1142	1.162	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	8952	68.838	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	8952	152.063	ug/l #	7

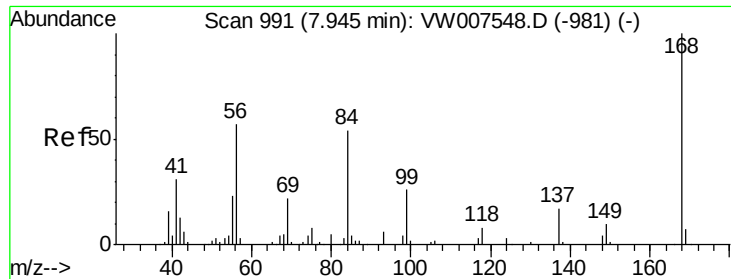
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Instrument :

BNA_G

ClientSampleId :

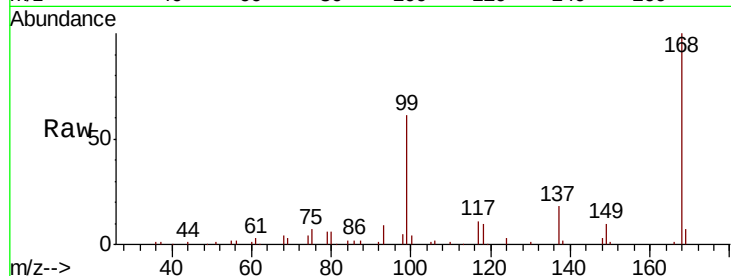
BFB

Tgt Ion: 168 Resp: 35688

Ion Ratio Lower Upper

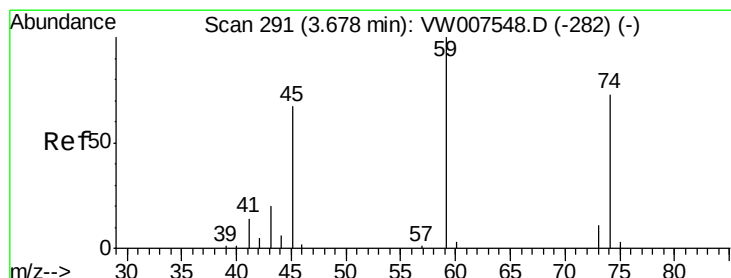
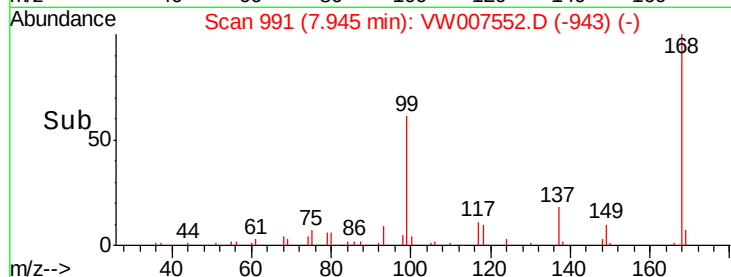
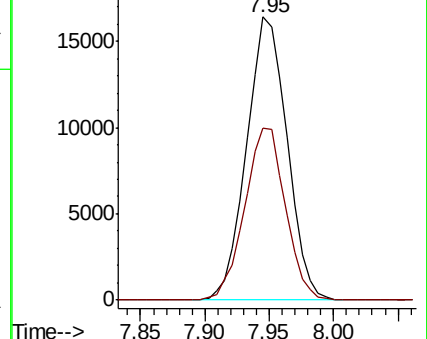
168 100

99 60.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.105 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW007552.D

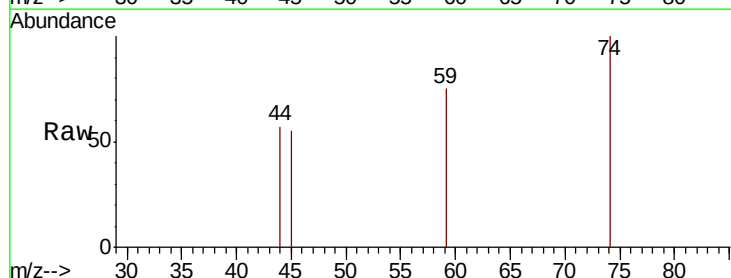
Acq: 15 Dec 2018 00:38

Tgt Ion: 74 Resp: 363

Ion Ratio Lower Upper

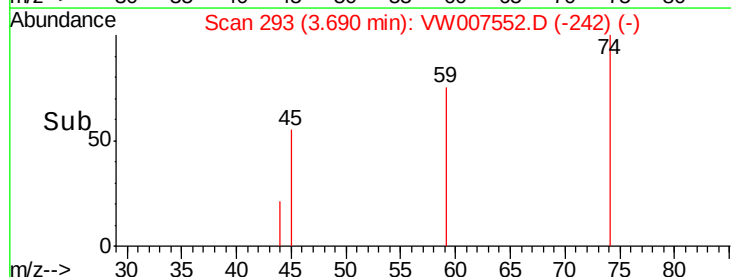
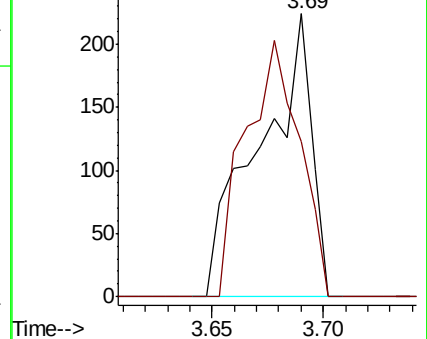
74 100

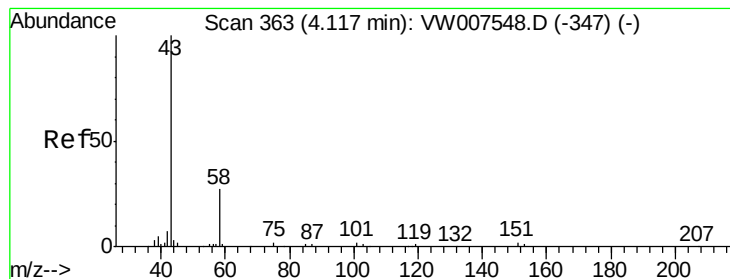
45 94.5 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 75.104 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Instrument :

BNA_G

ClientSampleId :

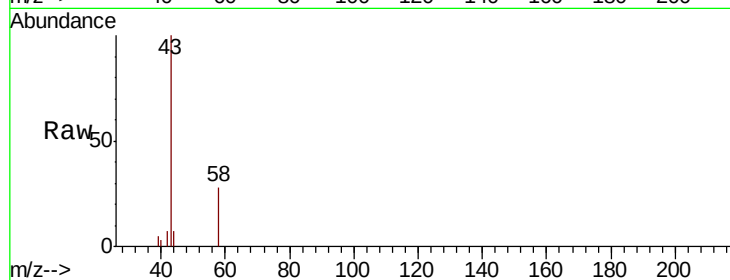
BFB

Tgt Ion: 43 Resp: 5194

Ion Ratio Lower Upper

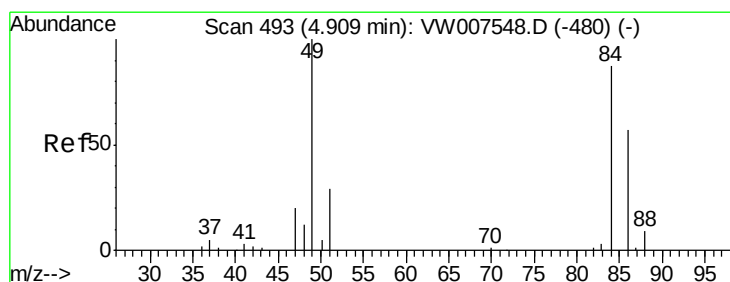
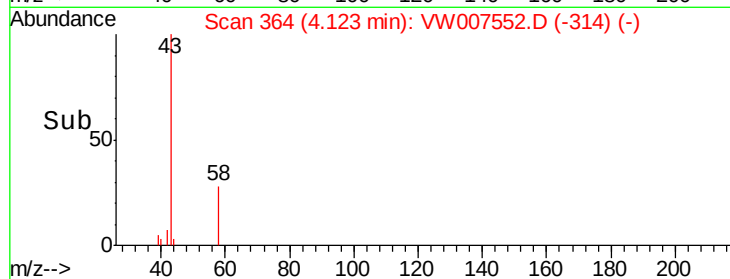
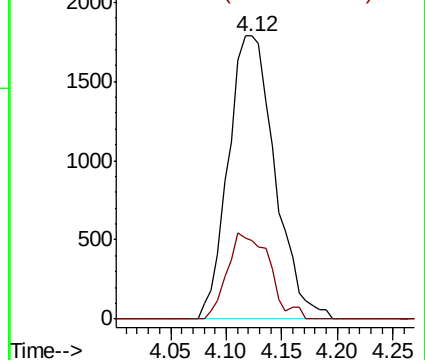
43 100

58 27.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 1.869 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Tgt Ion: 84 Resp: 2133

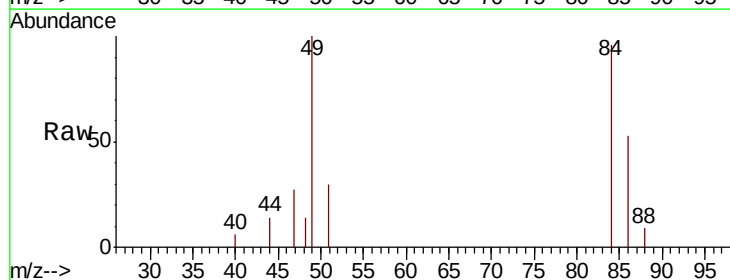
Ion Ratio Lower Upper

84 100

49 103.7 87.1 130.7

51 31.0 28.2 42.2

86 54.9 50.8 76.2

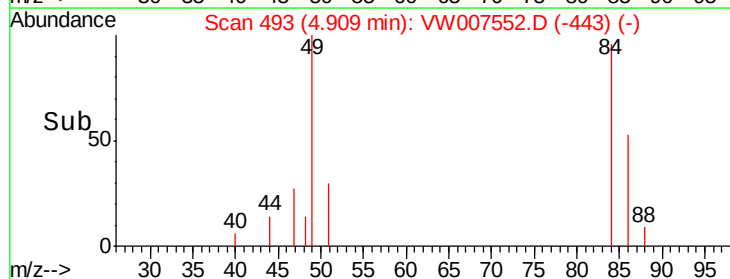
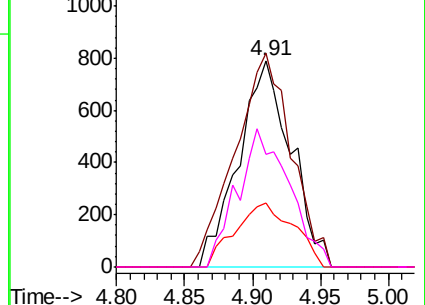


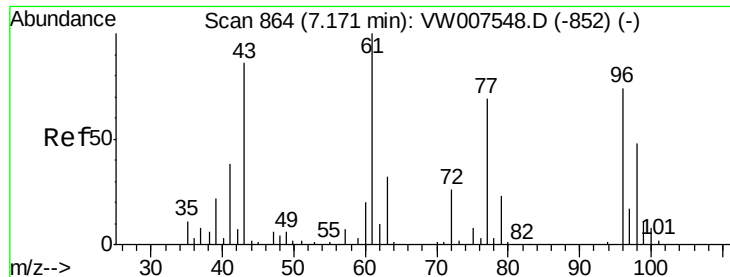
Abundance Ion 83.90 (83.60 to 84.60): VW

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

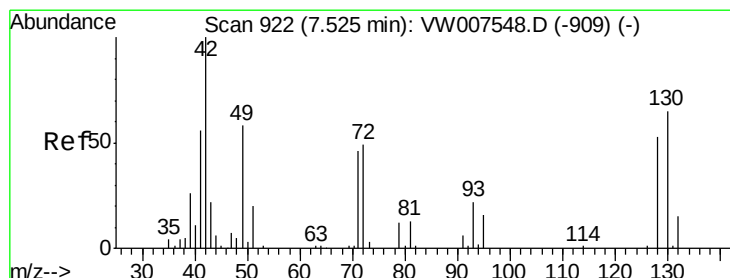
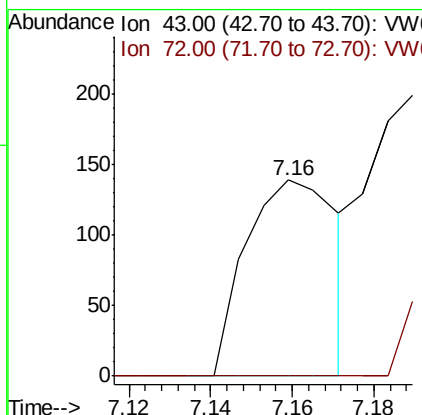
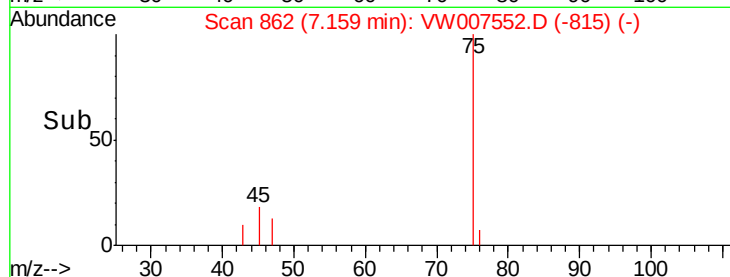
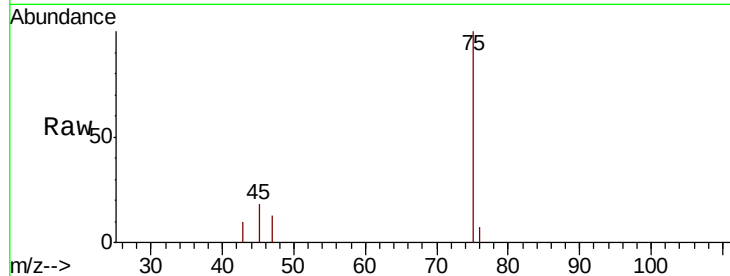




#25
 2-Butanone
 Concen: 2.392 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW007552.D
 Acq: 15 Dec 2018 00:38

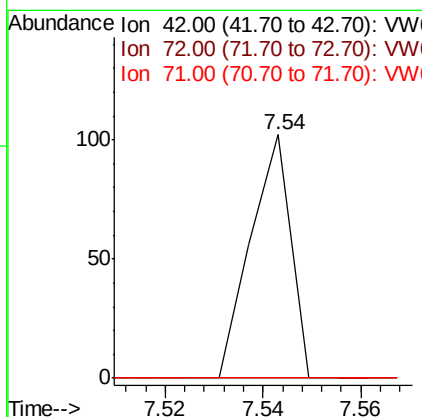
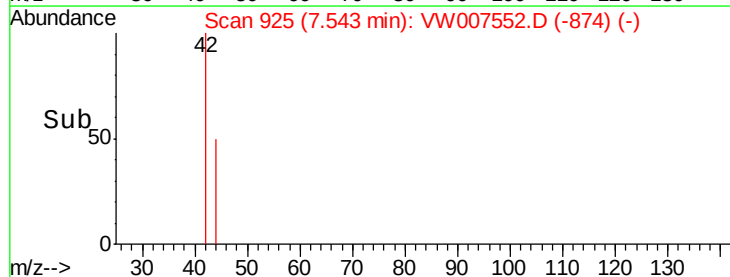
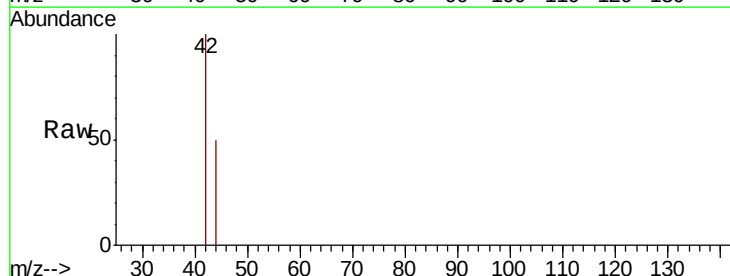
Instrument :
 BNA_G
 ClientSampled :
 BFB

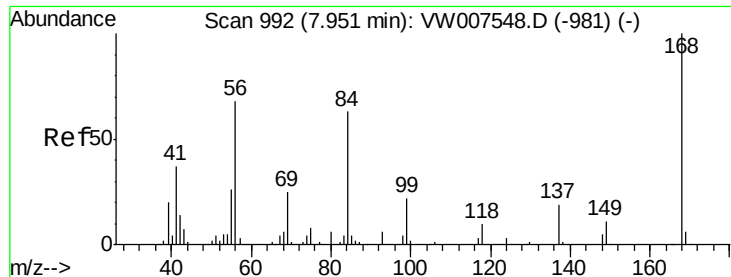
Tgt Ion: 43 Resp: 216
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.4 35.2#



#29
 Tetrahydrofuran
 Concen: 1.015 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW007552.D
 Acq: 15 Dec 2018 00:38

Tgt Ion: 42 Resp: 58
 Ion Ratio Lower Upper
 42 100
 72 0.0 38.2 57.4#
 71 0.0 35.5 53.3#

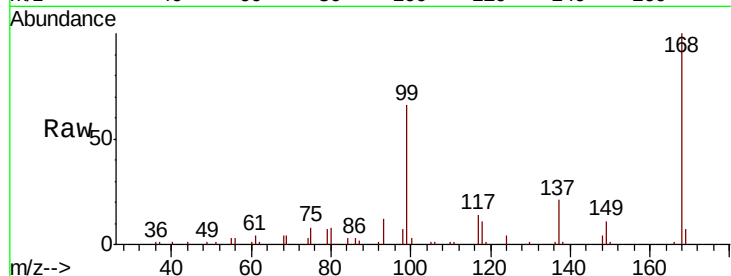




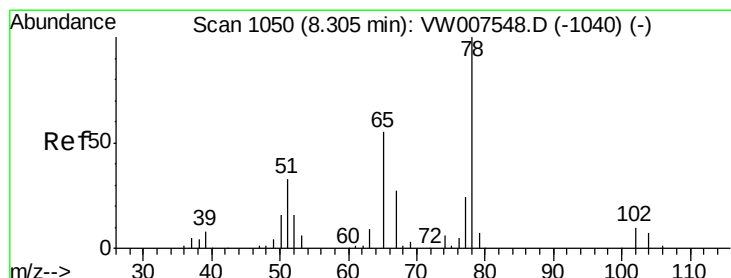
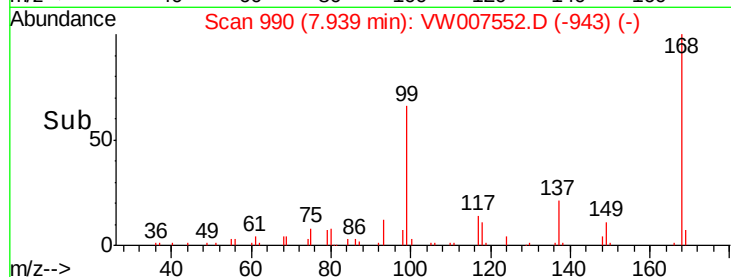
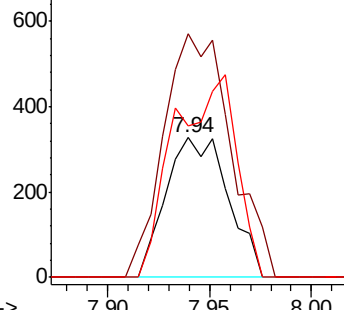
#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Instrument :
BNA_G
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 694
Ion Ratio Lower Upper
56 100
69 174.1 28.9 43.3#
84 107.9 71.8 107.6#

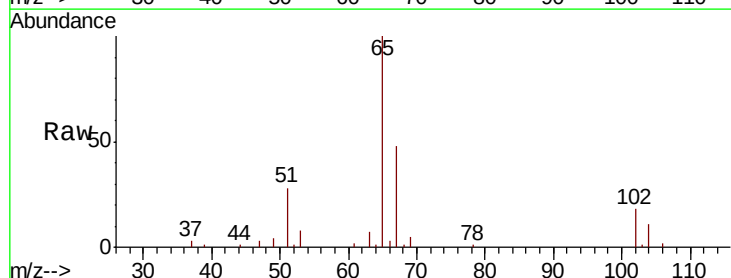


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

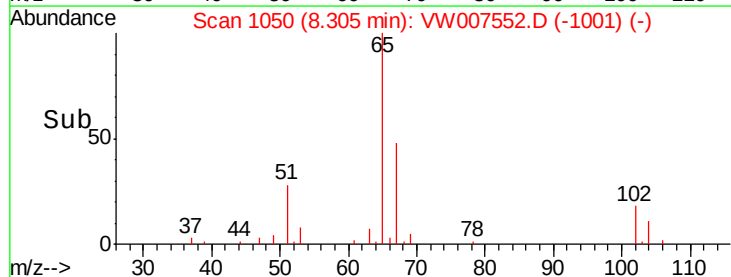
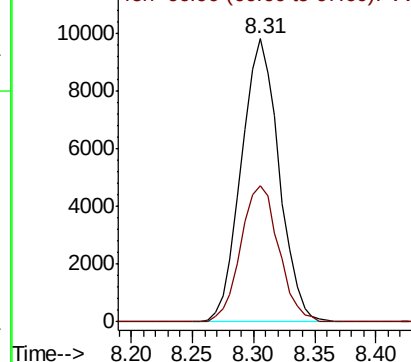


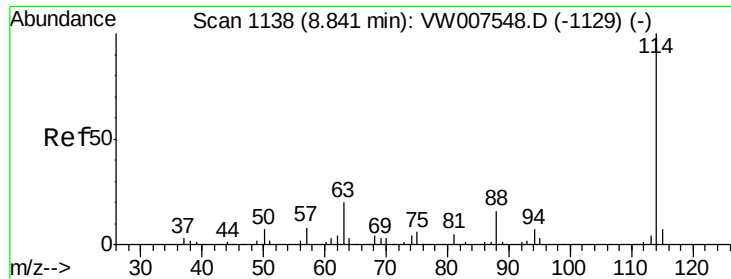
#33
1,2-Dichloroethane-d4
Concen: 53.075 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Tgt Ion: 65 Resp: 21014
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

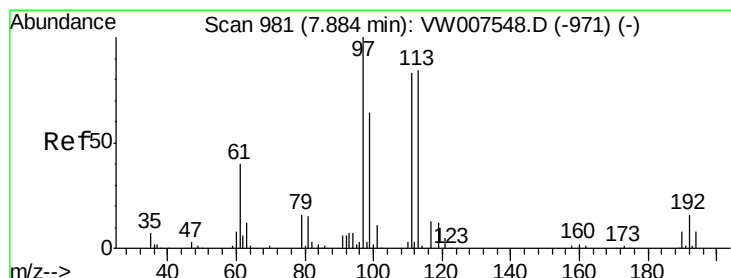
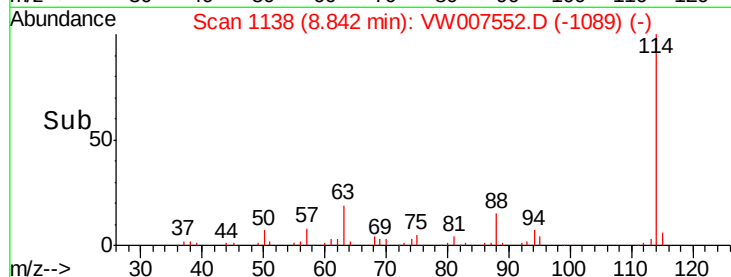
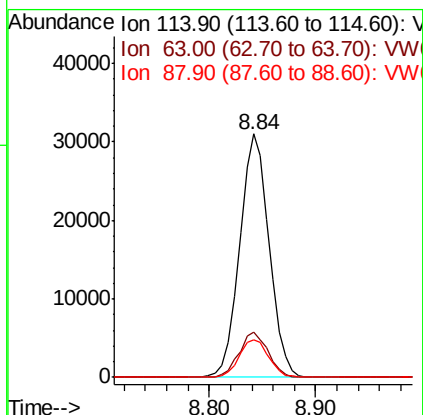
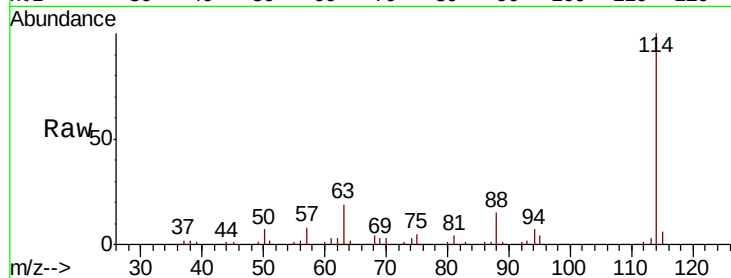




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007552.D
 Acq: 15 Dec 2018 00:38

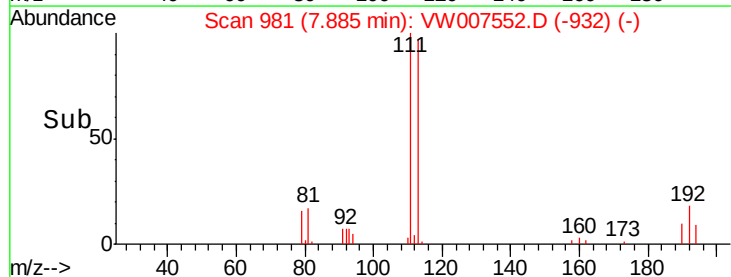
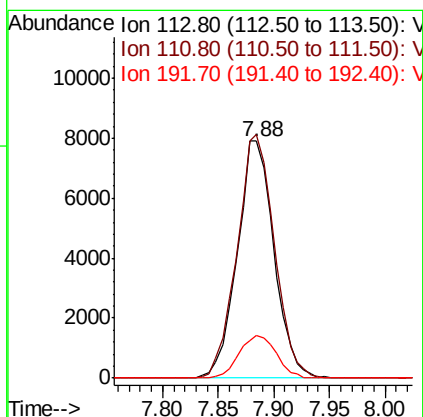
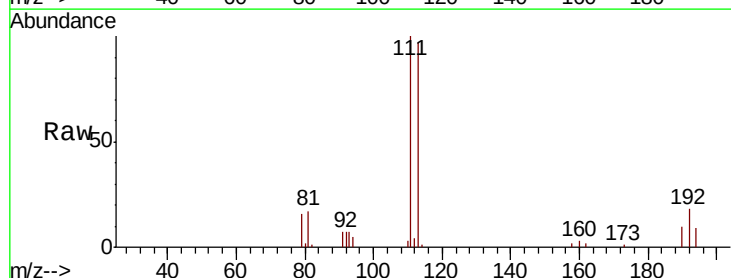
Instrument :
 BNA_G
 ClientSampleId :
 BFB

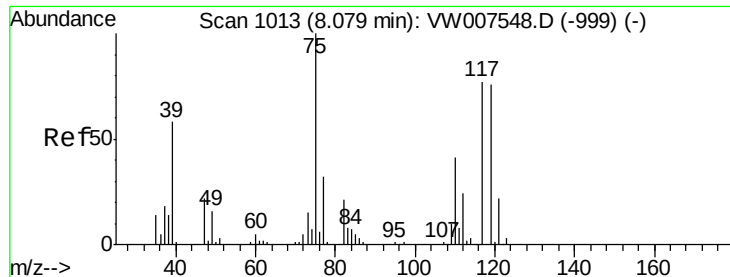
Tgt Ion:114 Resp: 60003
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 15.4 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 49.920 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007552.D
 Acq: 15 Dec 2018 00:38

Tgt Ion:113 Resp: 18132
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.1 121.7
 192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Instrument :

BNA_G

ClientSampleId :

BFB

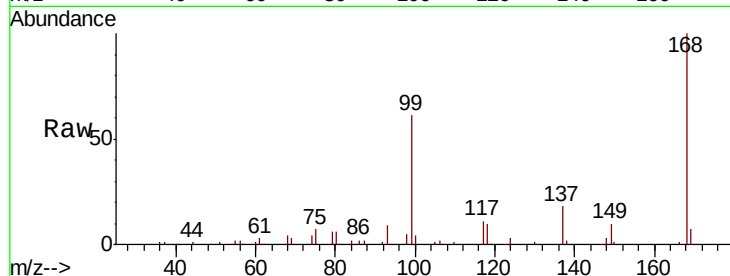
Tgt Ion: 75 Resp: 2781

Ion Ratio Lower Upper

75 100

110 8.1 18.5 55.5#

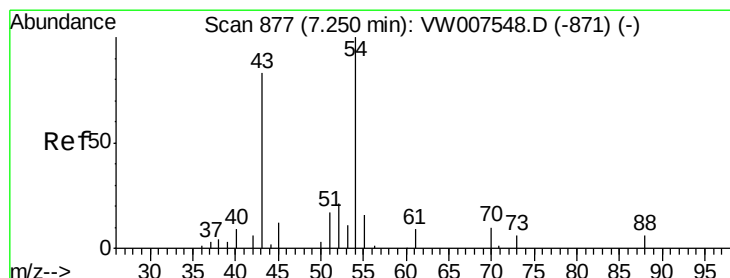
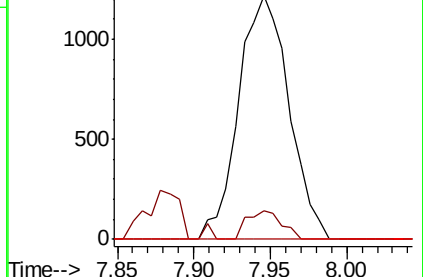
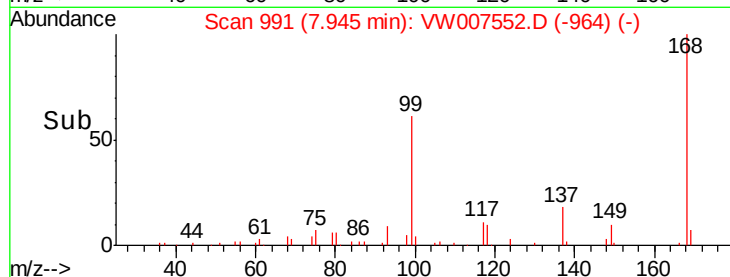
77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.257 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.06 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

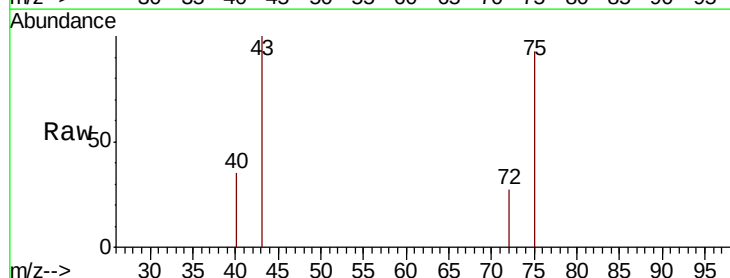
Tgt Ion: 43 Resp: 256

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

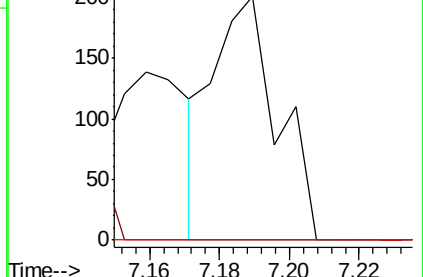
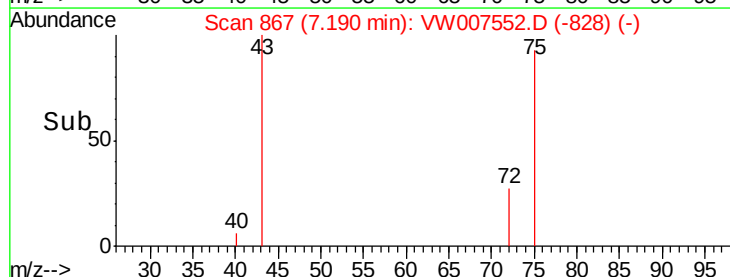
70 0.0 10.0 15.0#

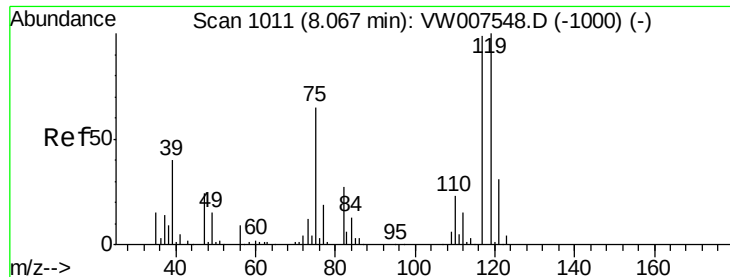


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

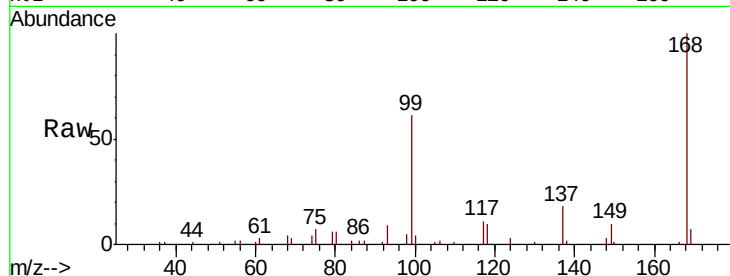




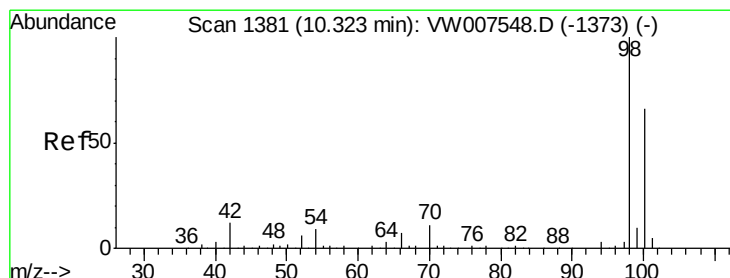
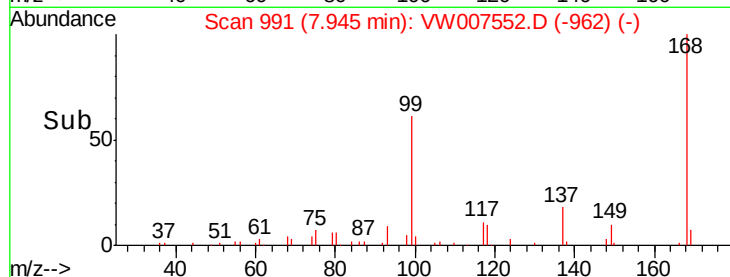
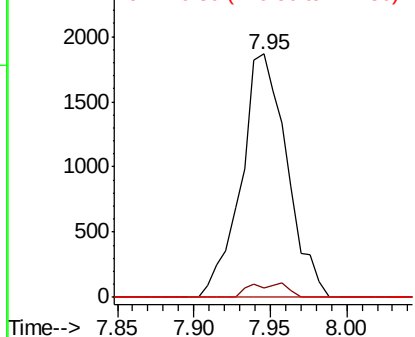
#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Instrument :
BNA_G
ClientSampleId :
BFB

Tgt Ion: 117 Resp: 3877
Ion Ratio Lower Upper
117 100
119 4.0 74.3 111.5#
121 0.0 24.3 36.5#

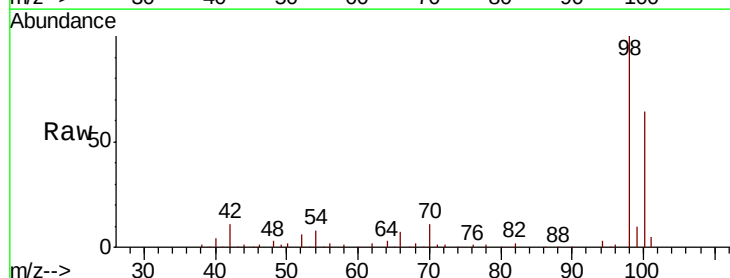


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

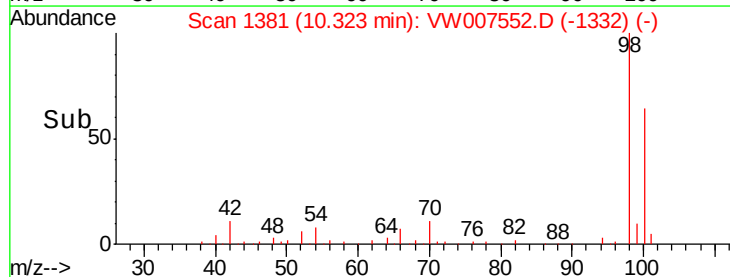
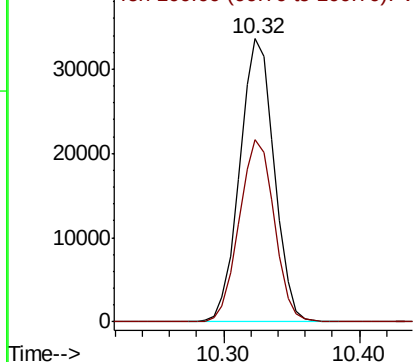


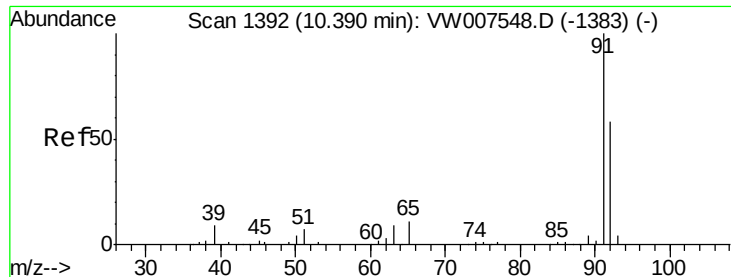
#50
Toluene-d8
Concen: 43.583 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Tgt Ion: 98 Resp: 59355
Ion Ratio Lower Upper
98 100
100 65.4 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: 1.162 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Instrument :

BNA_G

ClientSampleId :

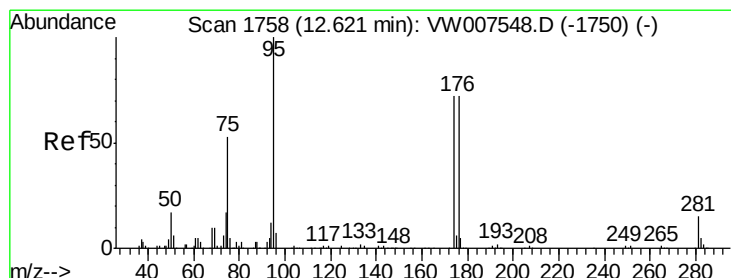
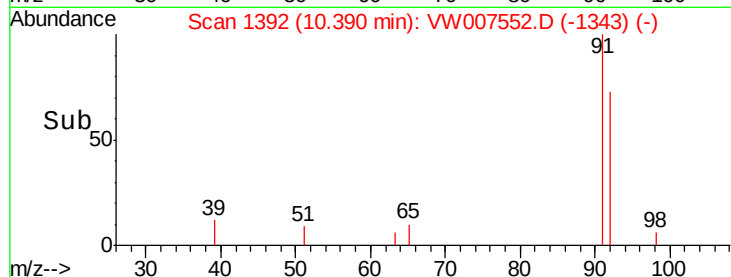
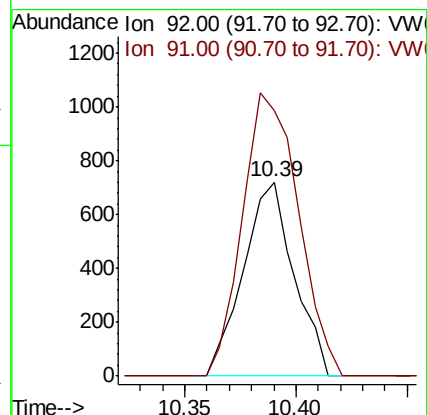
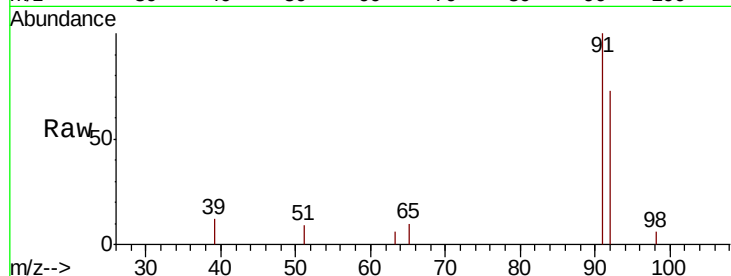
BFB

Tgt Ion: 92 Resp: 1142

Ion Ratio Lower Upper

92 100

91 161.1 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 36.053 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

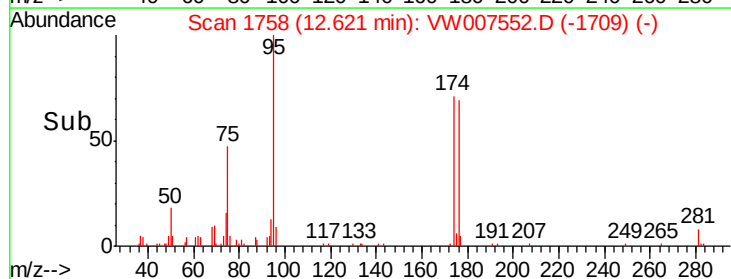
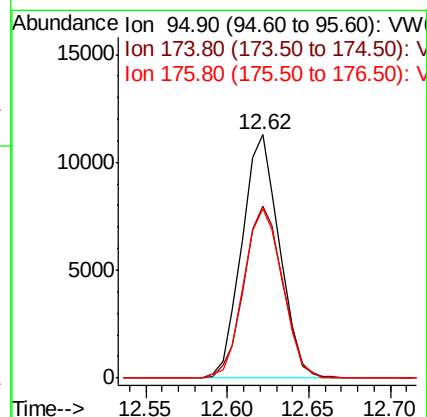
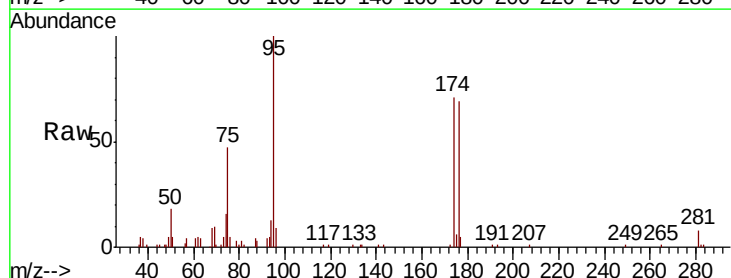
Tgt Ion: 95 Resp: 18053

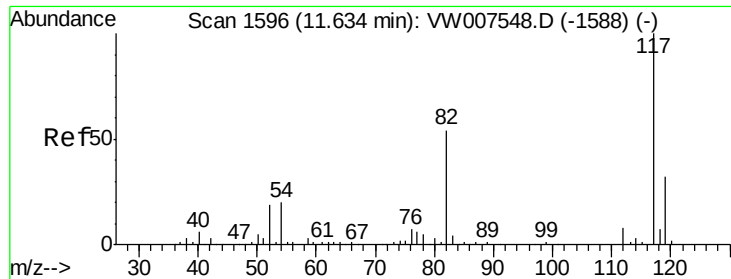
Ion Ratio Lower Upper

95 100

174 73.0 0.0 147.2

176 71.7 0.0 138.8

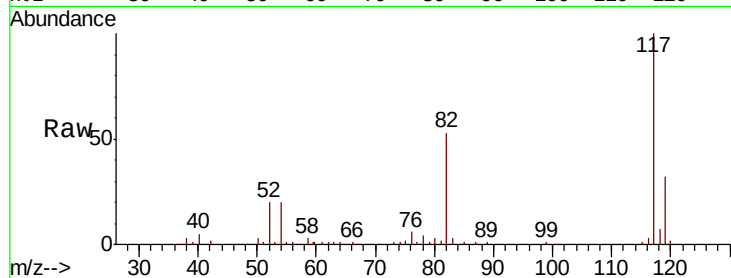




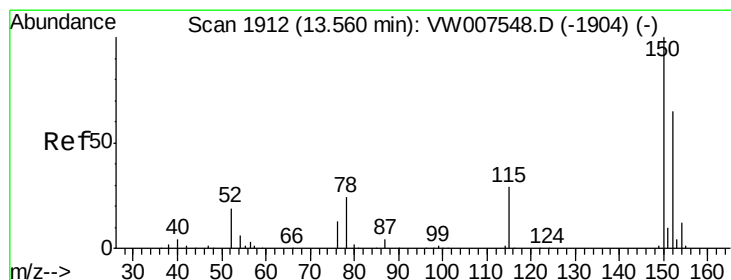
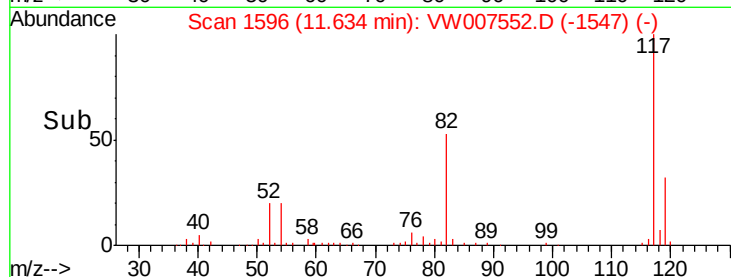
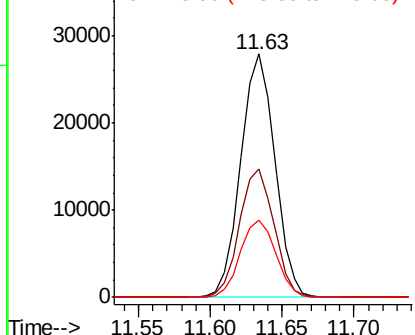
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Instrument :
BNA_G
ClientSampled :
BFB

Tgt Ion:117 Resp: 45951
Ion Ratio Lower Upper
117 100
82 53.0 42.3 63.5
119 31.8 23.0 34.6

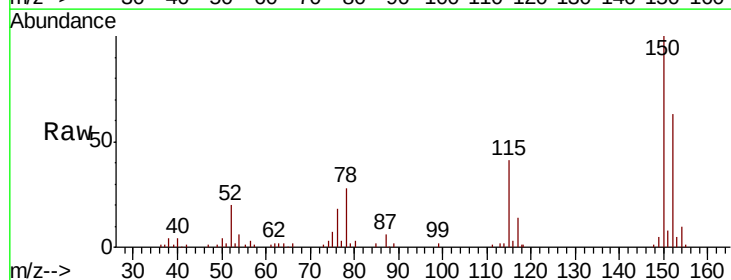


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

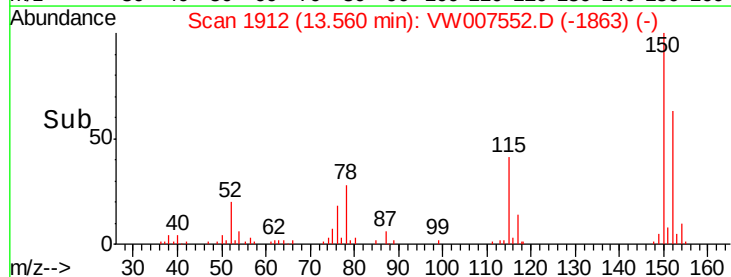
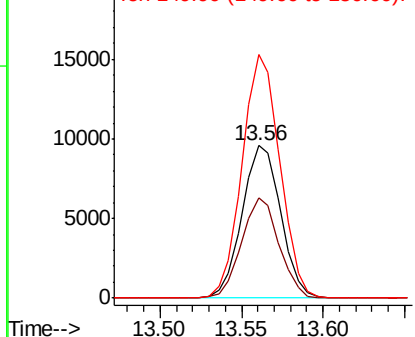


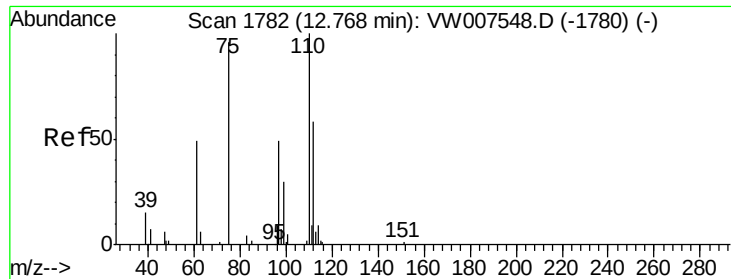
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007552.D
Acq: 15 Dec 2018 00:38

Tgt Ion:152 Resp: 15772
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.2
150 156.6 0.0 358.4



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: 68.838 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Instrument :

BNA_G

ClientSampleId :

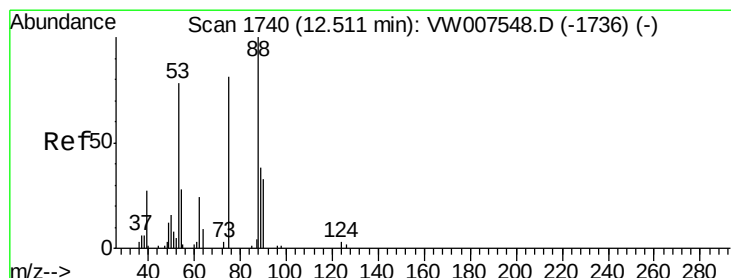
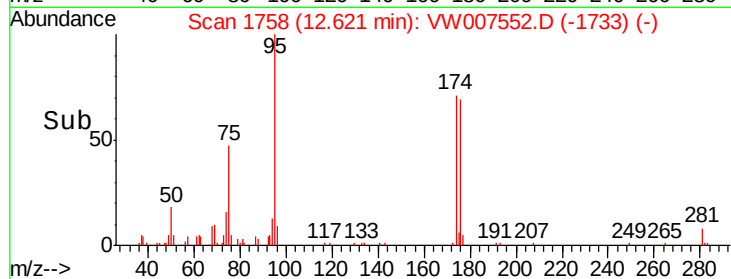
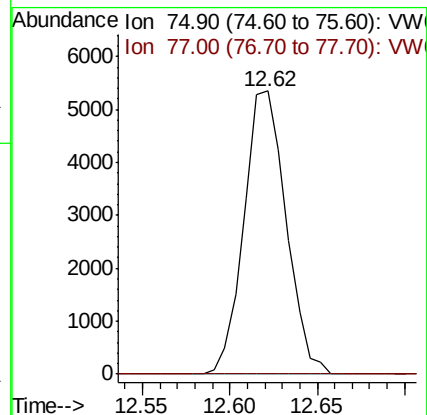
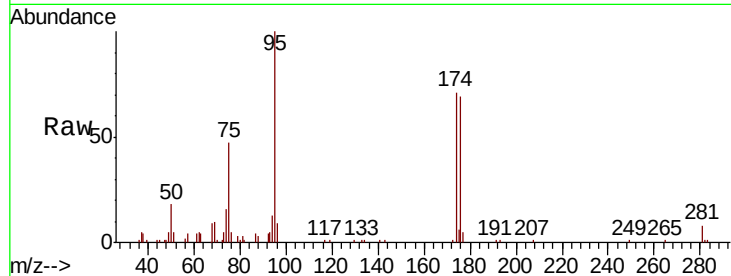
BFB

Tgt Ion: 75 Resp: 8952

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.063 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007552.D

Acq: 15 Dec 2018 00:38

Tgt Ion: 75 Resp: 8952

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

