

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000979.D
 Acq On : 25 Jan 2018 04:55
 Operator : JC/SY
 Sample : J1289-09
 Misc : 5.05G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Jan 25 06:51:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	334267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	288940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	121288	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	124382	59.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.70%	
35) Dibromofluoromethane	7.88	113	112609	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.98%	
50) Toluene-d8	10.34	98	381217	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.63	95	117882	40.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.20%	

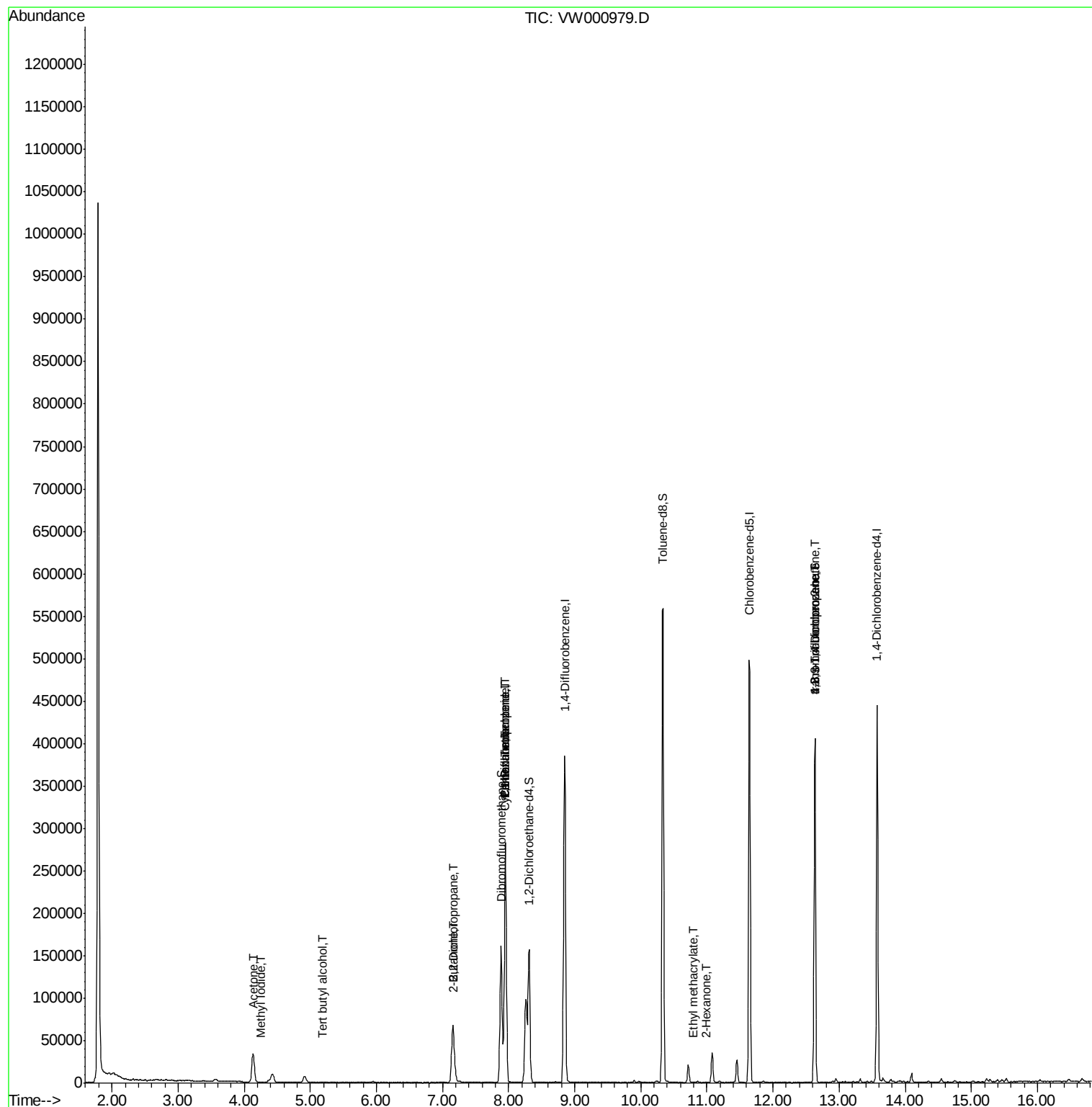
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.25	142	556	5.09	ug/l #	70
11) Tert butyl alcohol	5.20	59	935	4.15	ug/l #	76
16) Acetone	4.14	43	56734	76.51	ug/l	100
20) Methylene Chloride	4.92	84	5587	Below Cal		97
25) 2-Butanone	7.18	43	16144	17.56	ug/l	92
26) 2,2-Dichloropropane	7.16	77	4876	1.47	ug/l #	52
31) Cyclohexane	7.94	56	4286	1.27	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	15331	4.81	ug/l #	50
38) Carbon Tetrachloride	7.95	117	21435	6.09	ug/l #	15
56) Ethyl methacrylate	10.79	69	29	3.26	ug/l #	1
59) 2-Hexanone	10.98	43	155	14.77	ug/l	88
76) 1,2,3-Trichloropropane	12.63	75	58047	41.36	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	58047	98.88	ug/l #	11

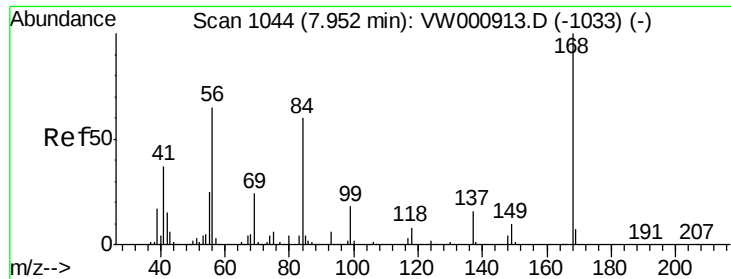
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

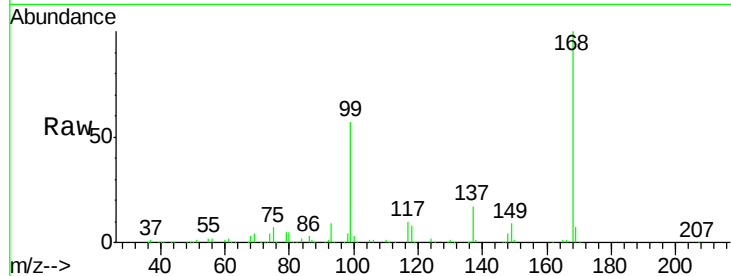
Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:168 Resp: 216826

Ion Ratio Lower Upper

168 100

99 56.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

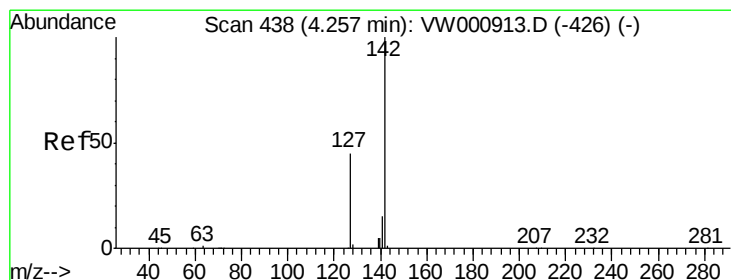
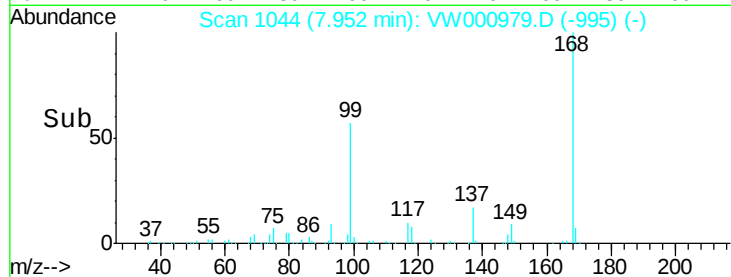
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 5.09 ug/l

RT: 4.25 min Scan# 437

Delta R.T. -0.01 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

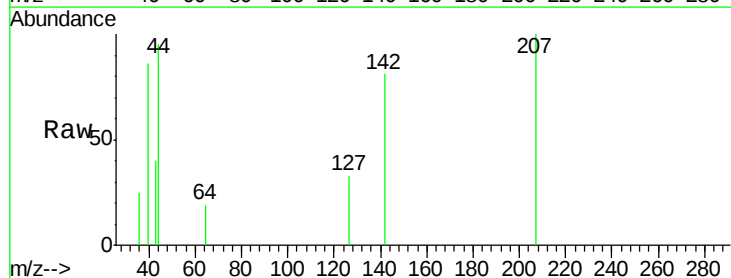
Tgt Ion:142 Resp: 556

Ion Ratio Lower Upper

142 100

127 26.3 35.5 53.3#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.25

300

250

200

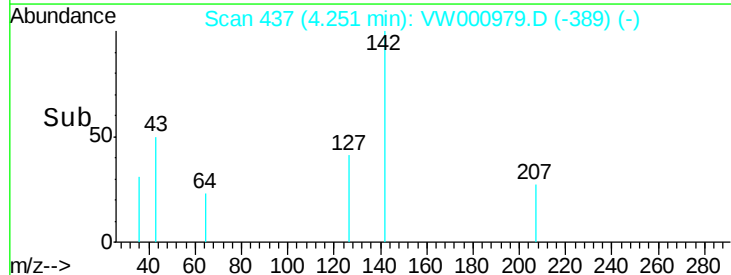
150

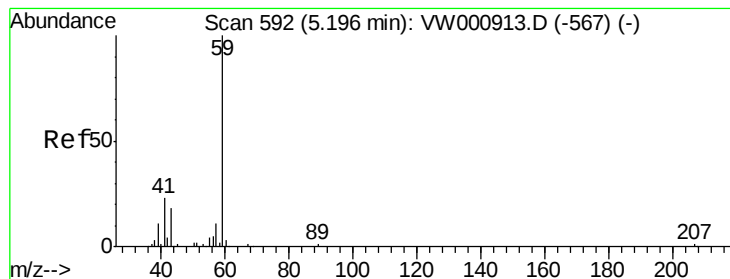
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 4.15 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.00 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

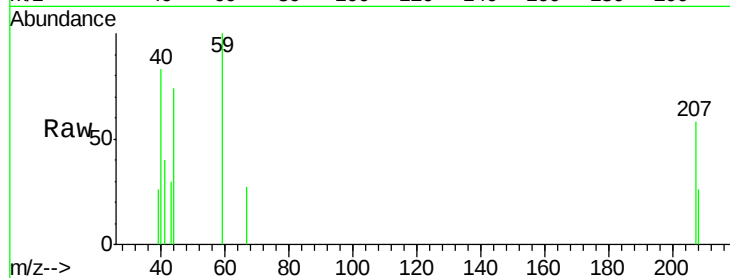
BFB

Tgt Ion: 59 Resp: 935

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

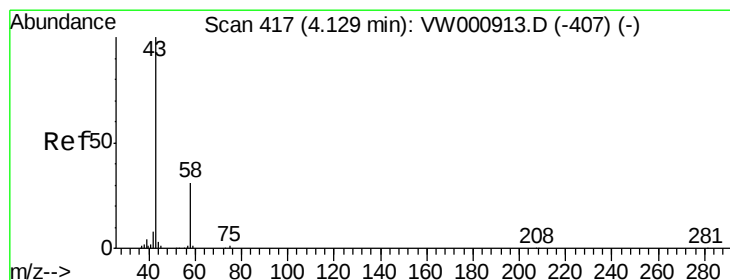
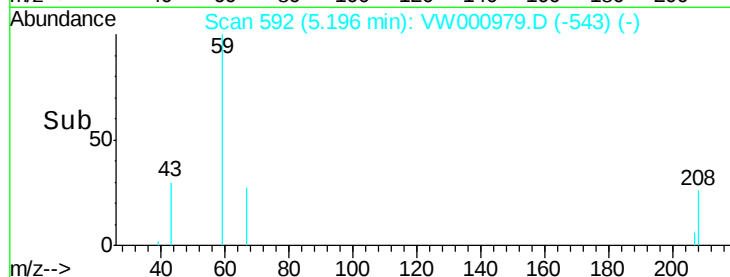
150

100

50

0

Time-->



#16

Acetone

Concen: 76.51 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW000979.D

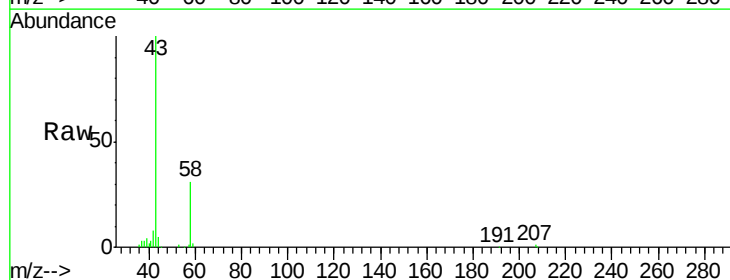
Acq: 25 Jan 2018 04:55

Tgt Ion: 43 Resp: 56734

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

25000

20000

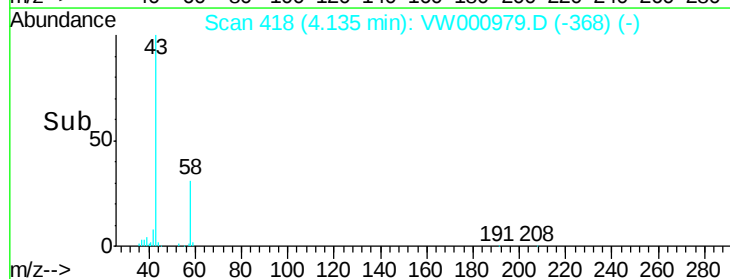
15000

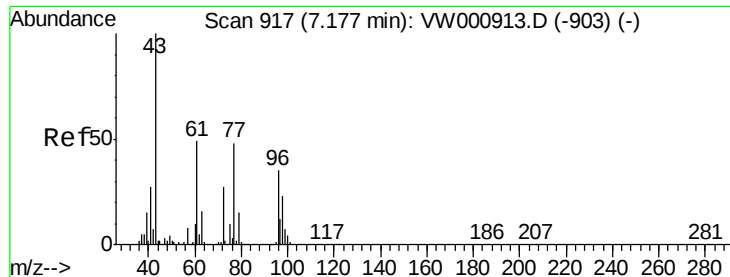
10000

5000

0

Time-->





#25

2-Butanone

Concen: 17.56 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

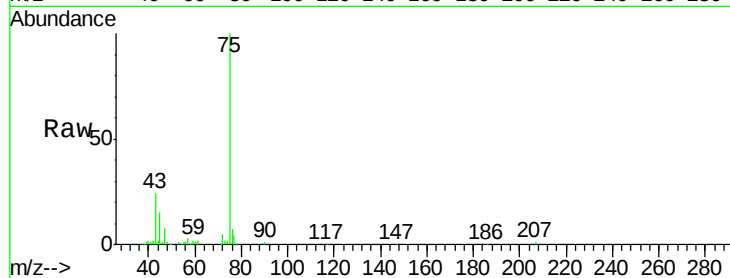
BFB

Tgt Ion: 43 Resp: 16144

Ion Ratio Lower Upper

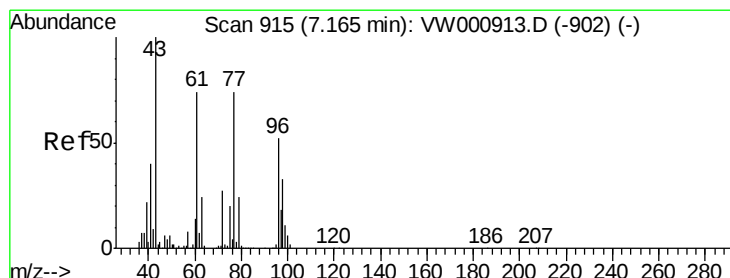
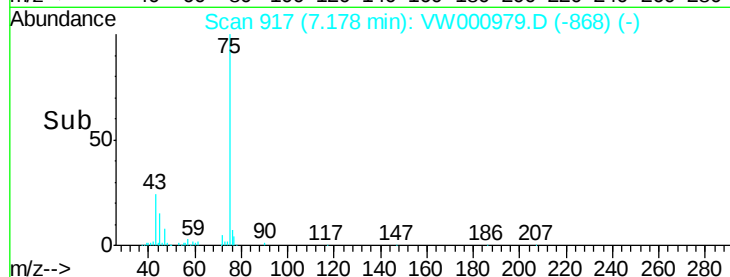
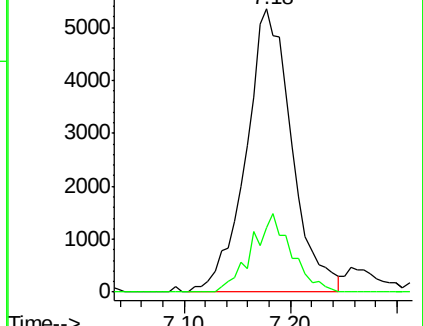
43 100

72 22.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.47 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW000979.D

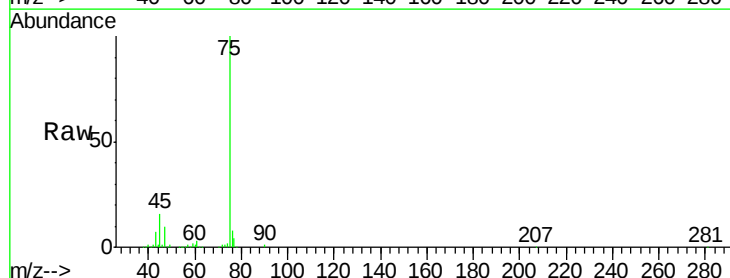
Acq: 25 Jan 2018 04:55

Tgt Ion: 77 Resp: 4876

Ion Ratio Lower Upper

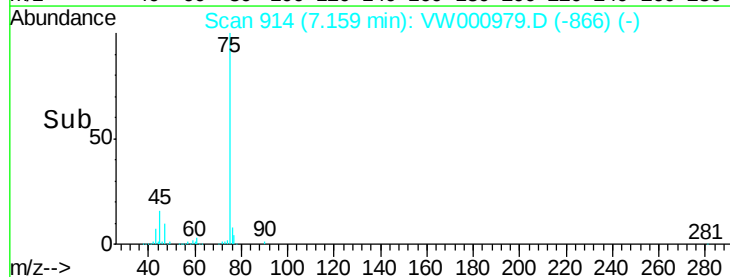
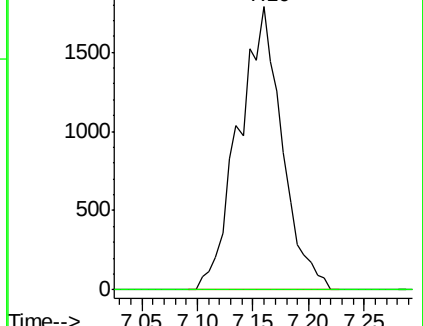
77 100

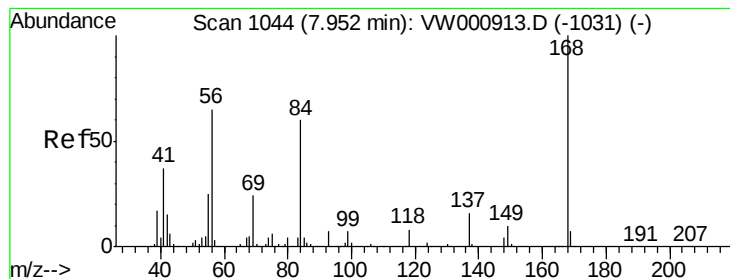
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

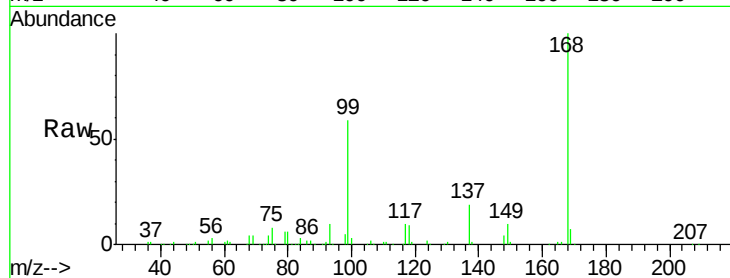




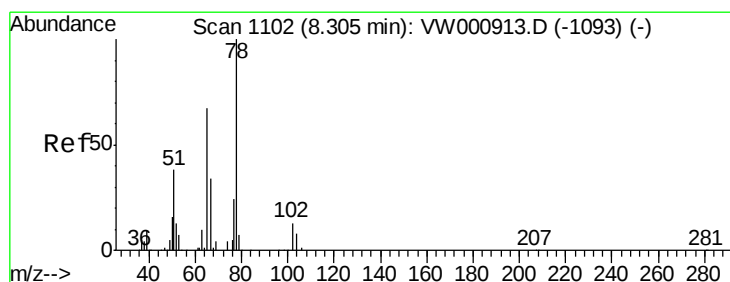
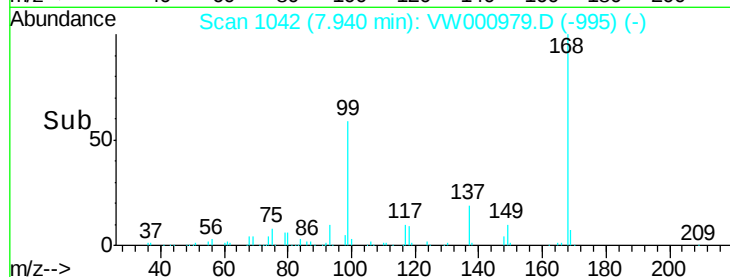
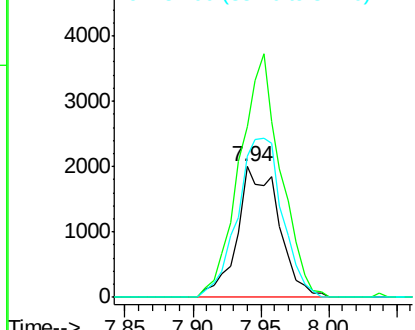
#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 56 Resp: 4286
Ion Ratio Lower Upper
56 100
69 131.1 29.2 43.8#
84 108.2 73.6 110.4

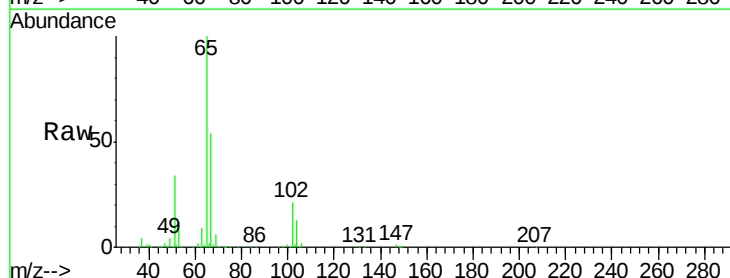


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

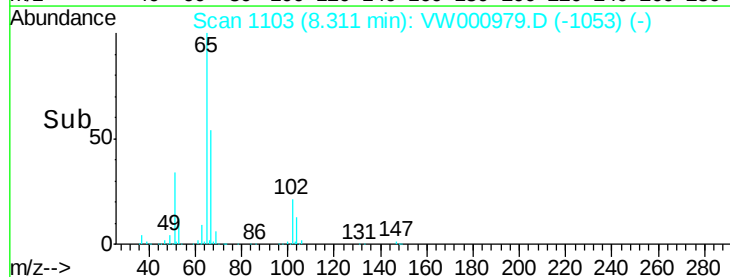
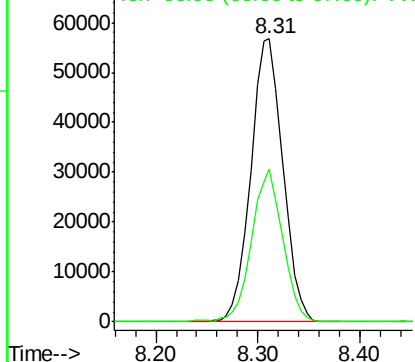


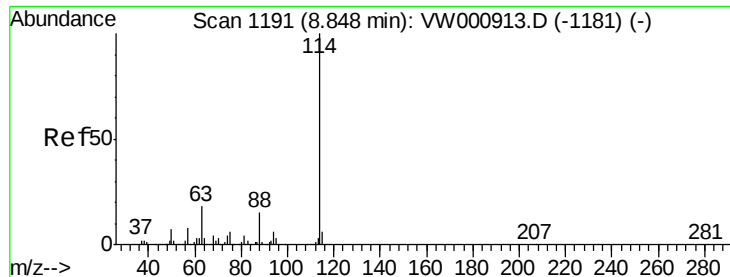
#33
1,2-Dichloroethane-d4
Concen: 59.85 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

Tgt Ion: 65 Resp: 124382
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

BFB

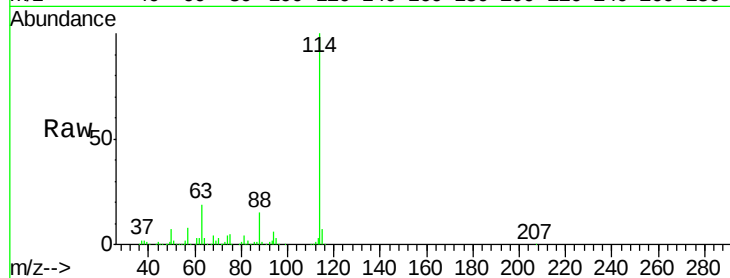
Tgt Ion:114 Resp: 334267

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

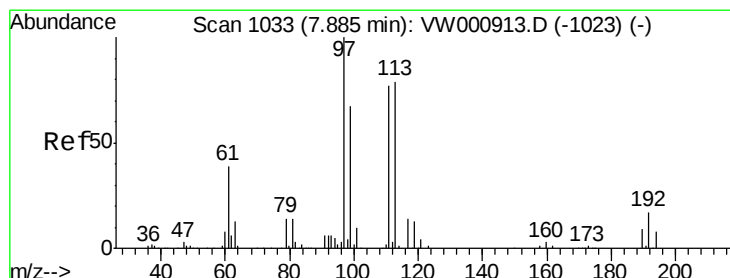
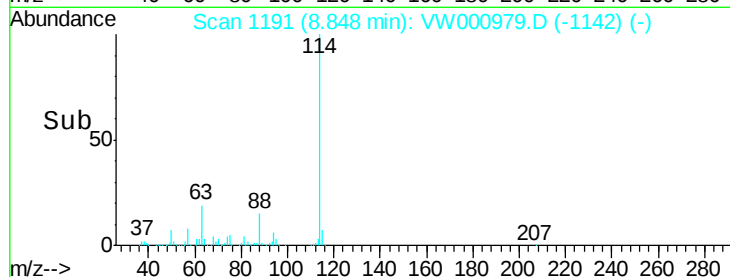
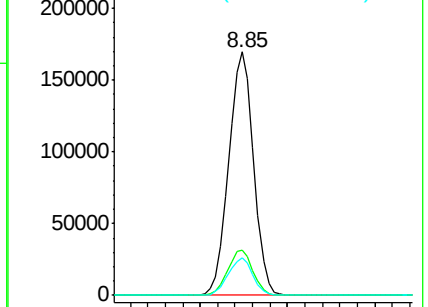
88 15.2 0.0 29.8



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: 54.99 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

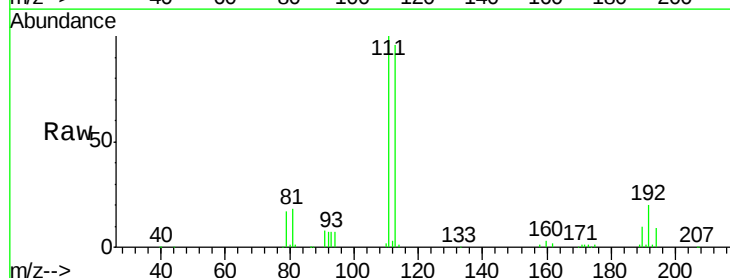
Tgt Ion:113 Resp: 112609

Ion Ratio Lower Upper

113 100

111 101.4 80.4 120.6

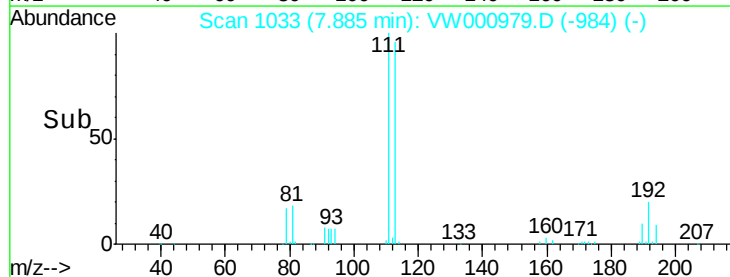
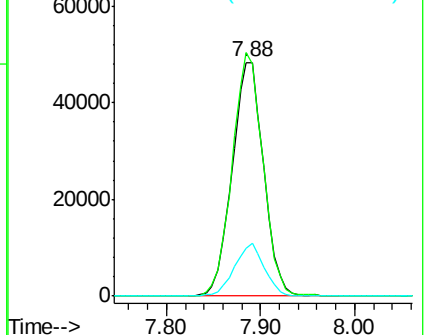
192 21.4 17.0 25.4

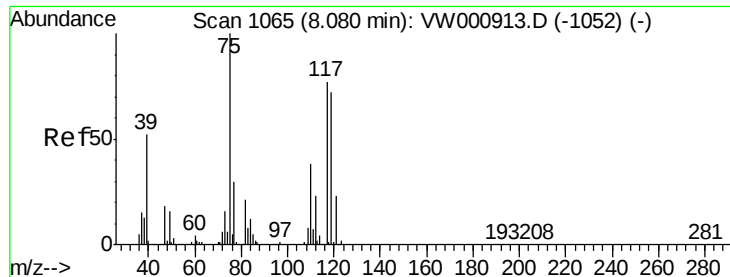


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

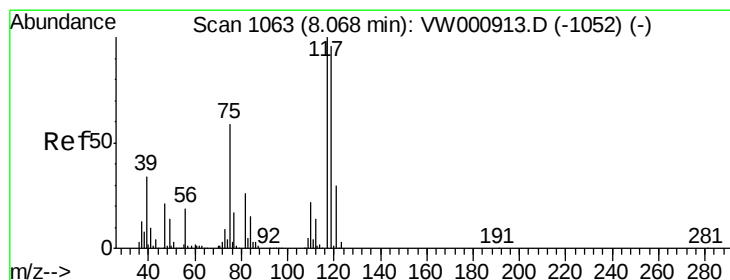
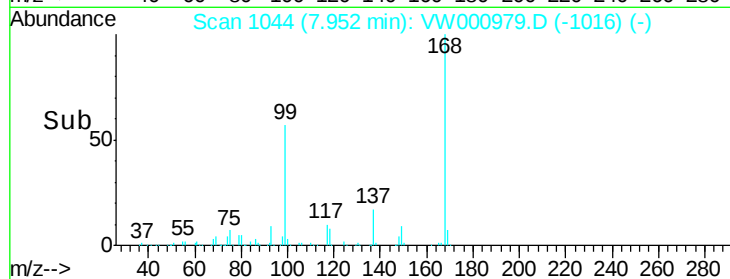
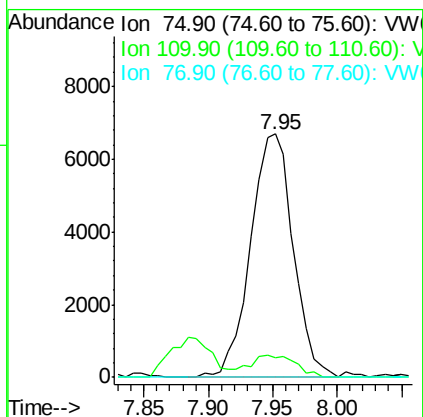
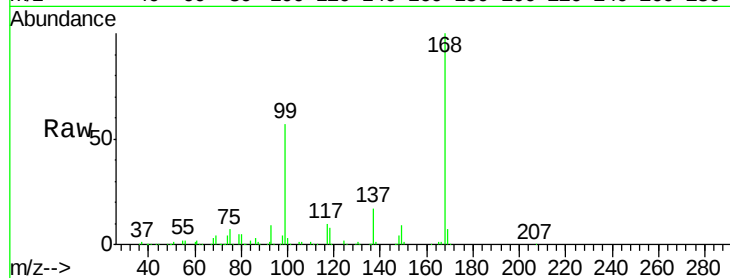




#36
 1,1-Dichloropropene
 Concen: 4.81 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW000979.D
 Acq: 25 Jan 2018 04:55

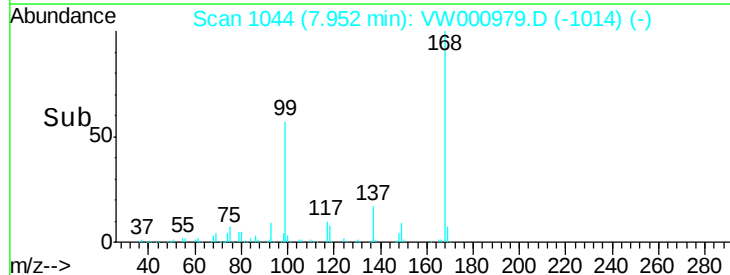
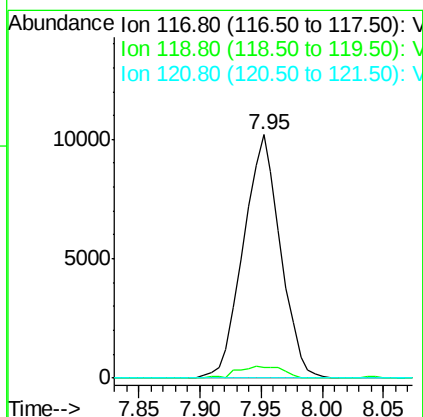
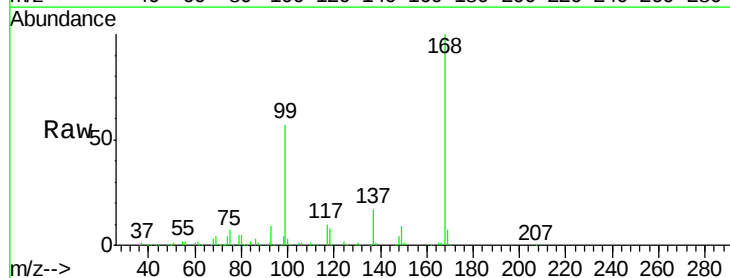
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

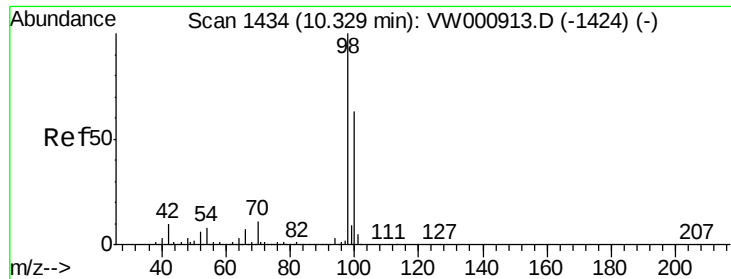
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.6	56.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.09 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW000979.D
 Acq: 25 Jan 2018 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.5	114.7#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 47.22 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

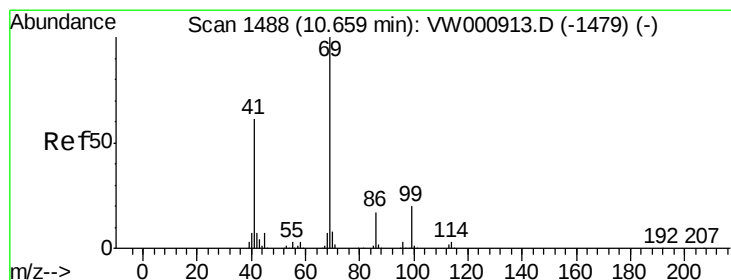
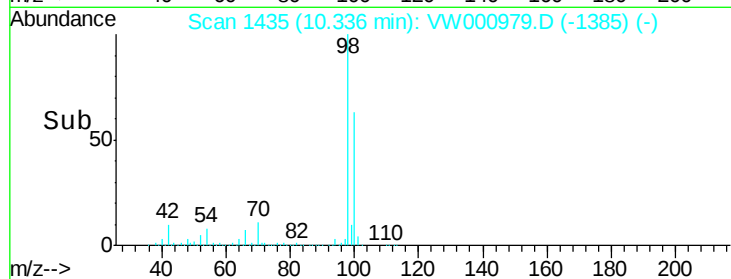
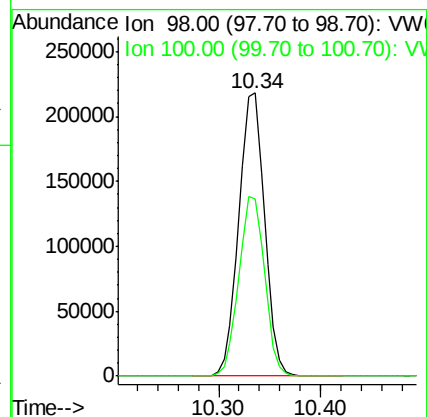
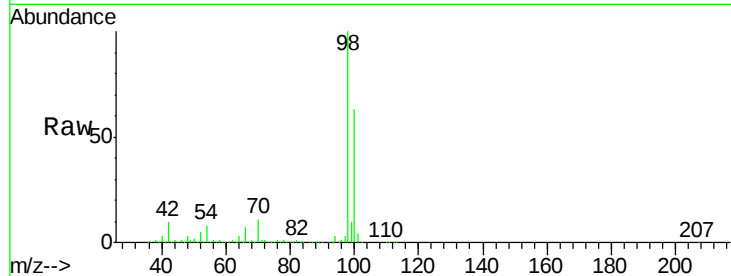
BFB

Tgt Ion: 98 Resp: 381217

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.26 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.13 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

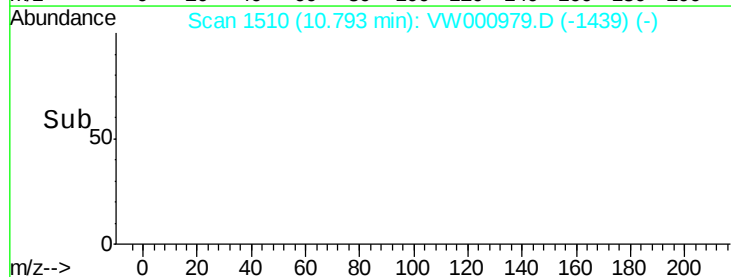
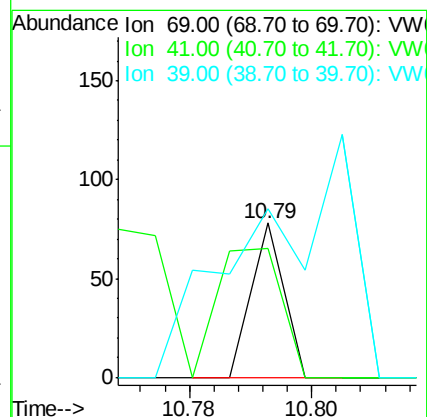
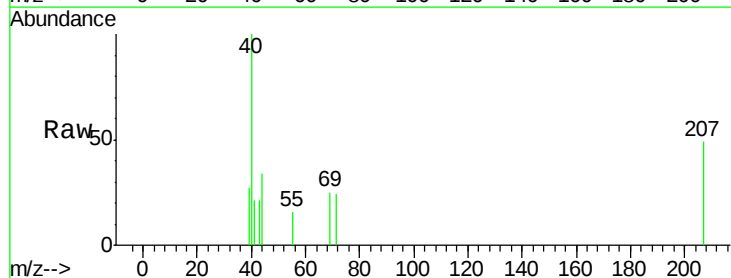
Tgt Ion: 69 Resp: 29

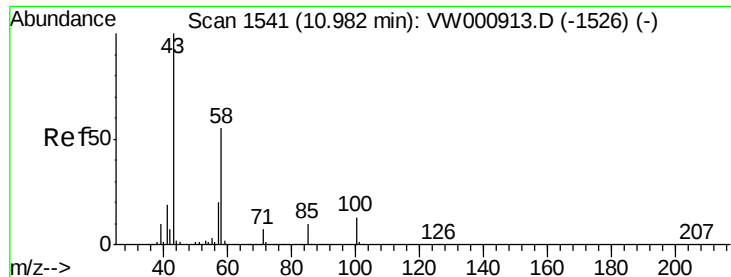
Ion Ratio Lower Upper

69 100

41 162.1 50.3 75.5#

39 465.5 28.6 42.8#

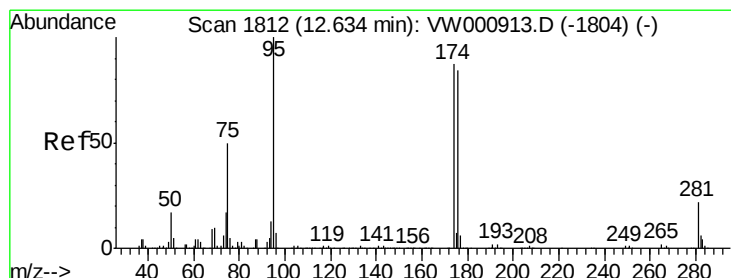
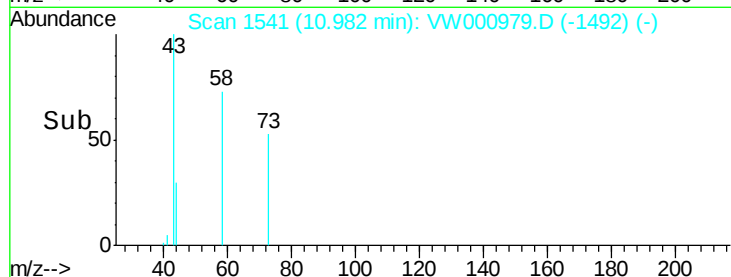
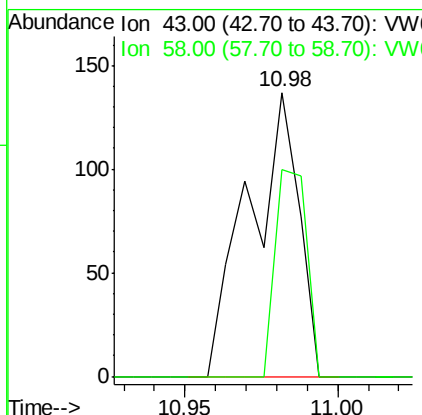
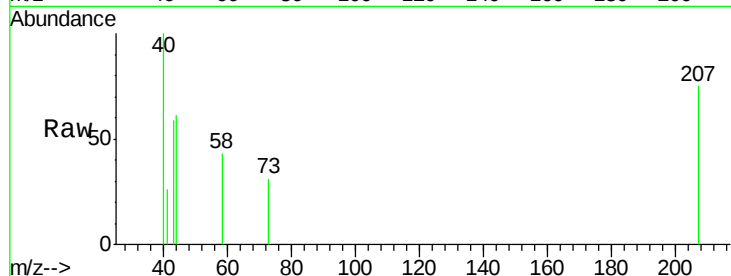




#59
2-Hexanone
Concen: 14.77 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

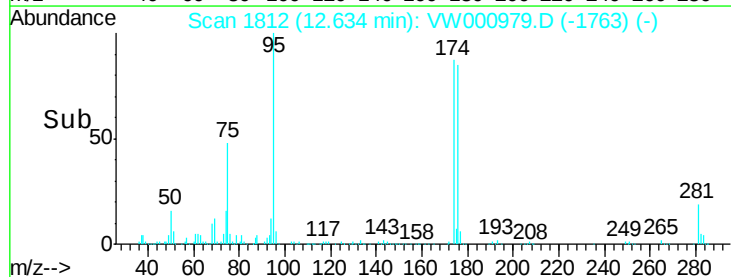
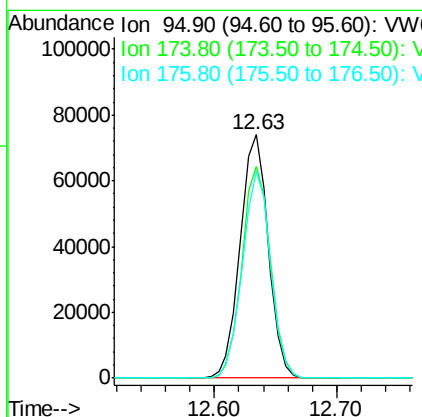
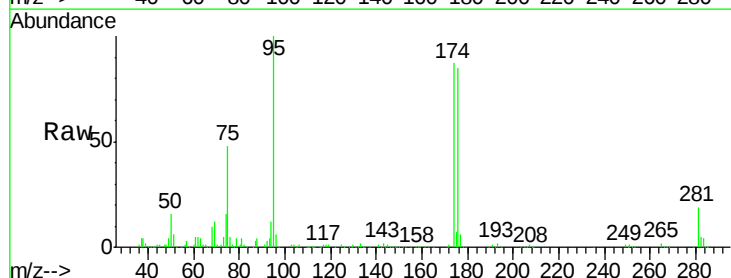
Instrument :
MSVOA_W
ClientSampled :
BFB

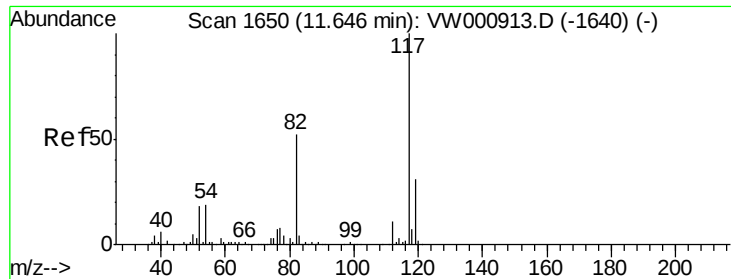
Tgt Ion: 43 Resp: 155
Ion Ratio Lower Upper
43 100
58 46.5 27.4 82.2



#62
4-Bromofluorobenzene
Concen: 40.10 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

Tgt Ion: 95 Resp: 117882
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.8
176 84.8 0.0 171.8

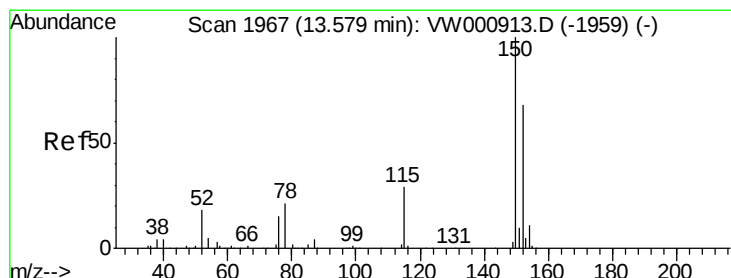
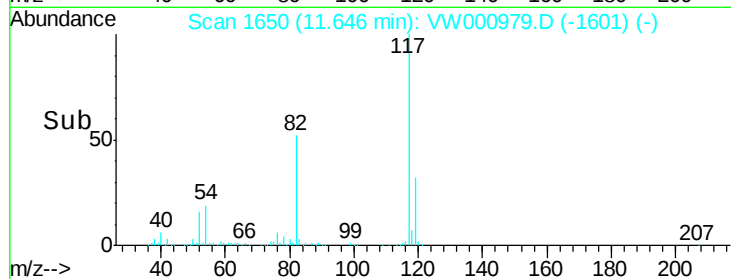
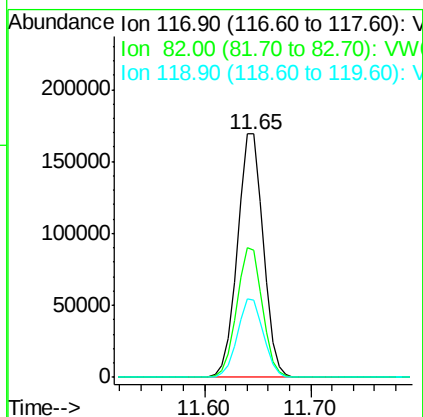
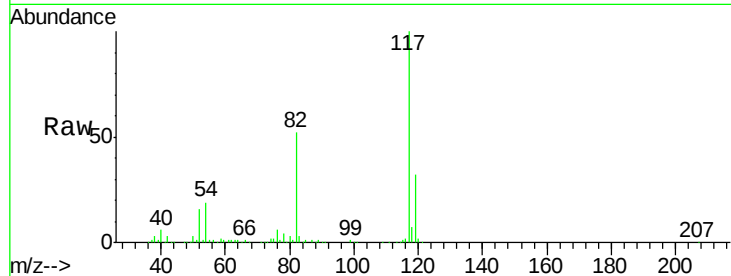




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

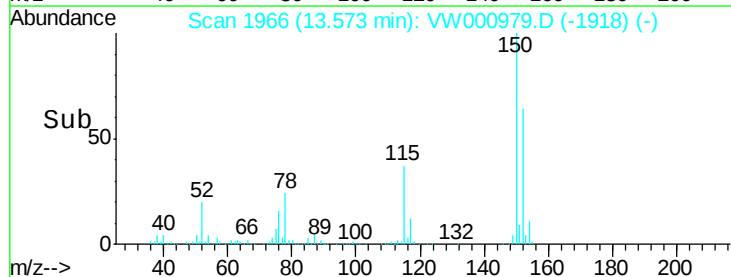
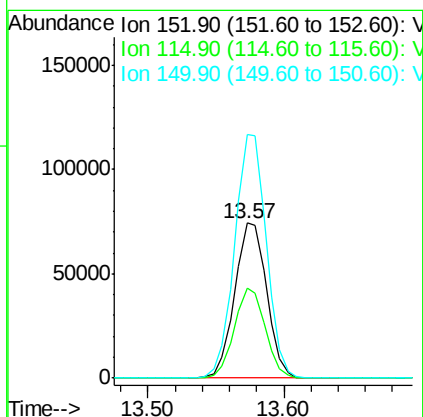
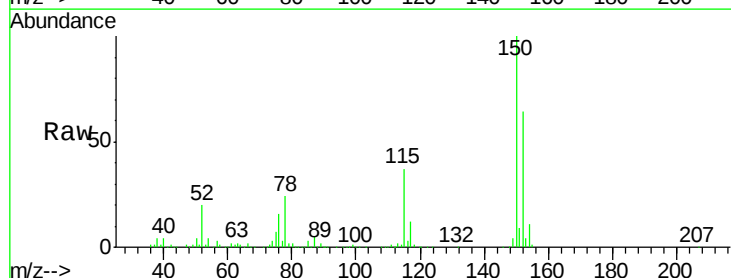
Instrument :
MSVOA_W
ClientSampleId :
BFB

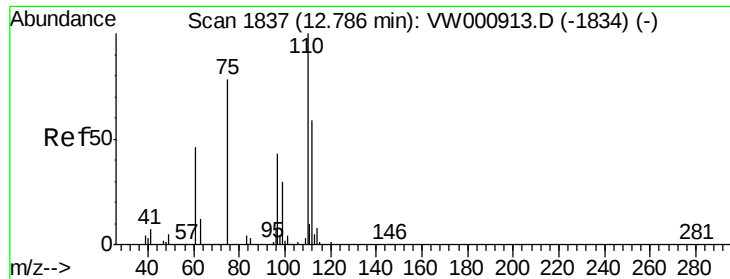
Tgt Ion:117 Resp: 288940
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.6
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000979.D
Acq: 25 Jan 2018 04:55

Tgt Ion:152 Resp: 121288
Ion Ratio Lower Upper
152 100
115 56.3 28.5 85.5
150 155.7 0.0 342.0





#76

1,2,3-Trichloropropane

Concen: 41.36 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.15 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

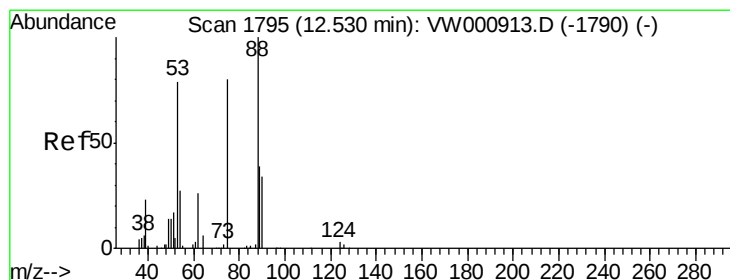
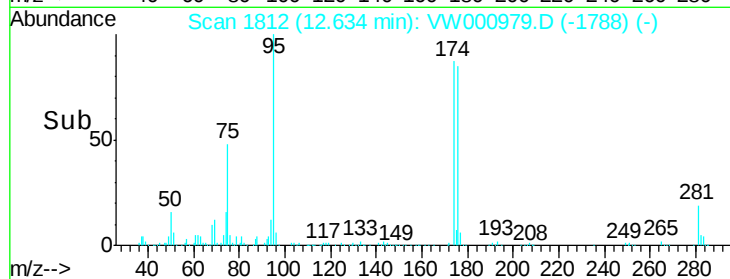
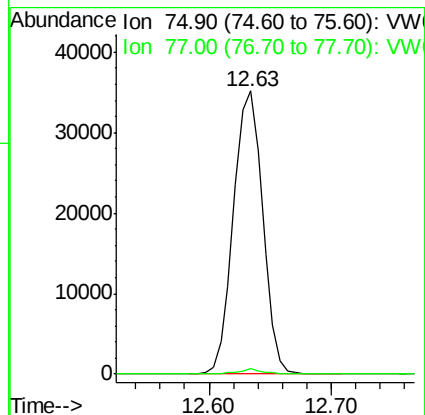
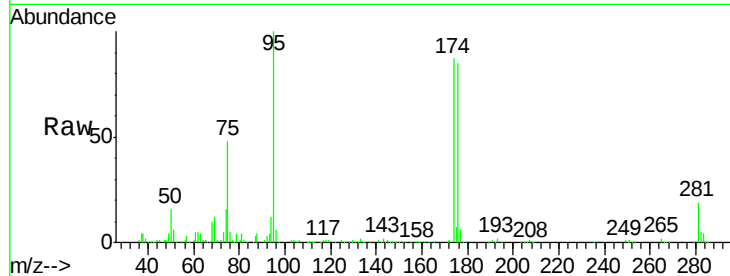
BFB

Tgt Ion: 75 Resp: 58047

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.88 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000979.D

Acq: 25 Jan 2018 04:55

Tgt Ion: 75 Resp: 58047

Ion Ratio Lower Upper

75 100

53 0.2 77.5 116.3#

89 0.0 38.2 57.4#

