

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090618\
 Data File : VW005171.D
 Acq On : 06 Sep 2018 18:24
 Operator : SY/AP
 Sample : J4687-03RE
 Misc : 2.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Sep 07 01:05:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	345930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	512732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	363329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	73184	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	259290	90.42	ug/l	0.00
Spiked Amount			Recovery	=	180.84%	
35) Dibromofluoromethane	7.89	113	236881	79.95	ug/l	0.00
Spiked Amount			Recovery	=	159.90%	
50) Toluene-d8	10.33	98	749056	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.63	95	115437	23.98	ug/l	0.00
Spiked Amount			Recovery	=	47.96%	

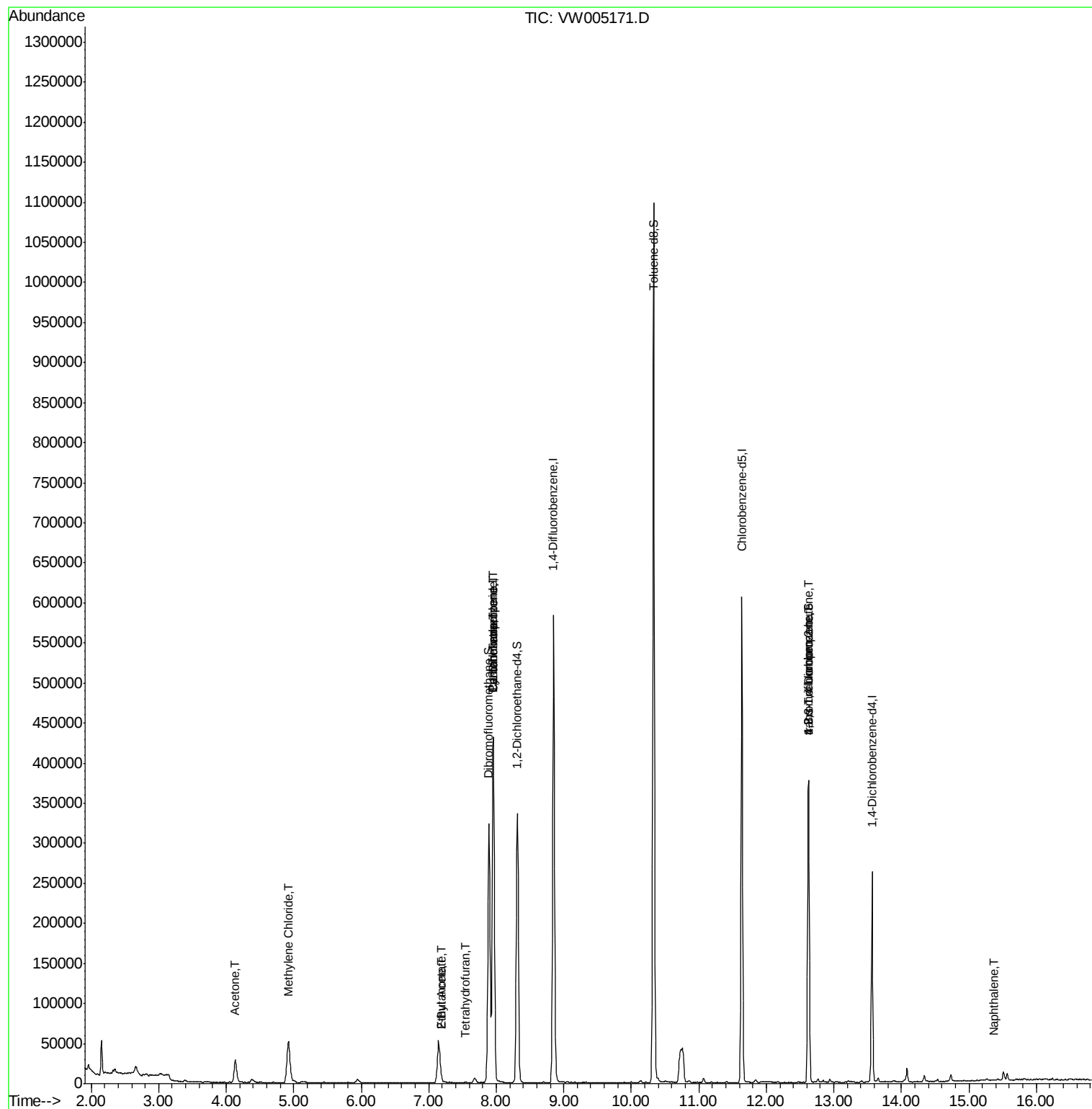
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	1055	Below Cal	#	57
11) Tert butyl alcohol	5.18	59	440	Below Cal	#	72
16) Acetone	4.13	43	48599	84.506	ug/l	100
20) Methylene Chloride	4.93	84	42769	7.717	ug/l	98
25) 2-Butanone	7.19	43	2047	2.052	ug/l #	81
29) Tetrahydrofuran	7.56	42	645	1.266	ug/l #	49
31) Cyclohexane	7.95	56	6323	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24556	5.029	ug/l #	48
37) Ethyl Acetate	7.19	43	2047	1.121	ug/l #	66
38) Carbon Tetrachloride	7.95	117	31526	6.790	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	53837	98.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	53837	235.884	ug/l #	14
95) Naphthalene	15.38	128	646	4.205	ug/l #	80

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

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Quant Time: Sep 07 01:05:18 2018
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Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

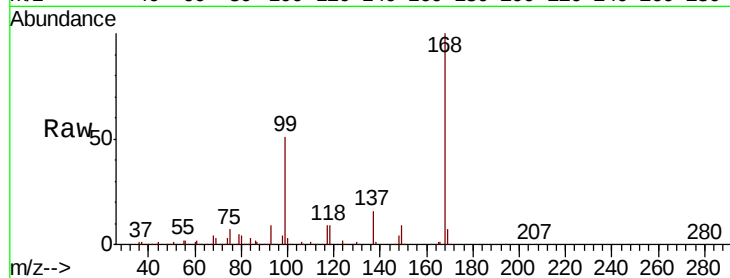
BFB

Tgt Ion:168 Resp: 345930

Ion Ratio Lower Upper

168 100

99 50.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

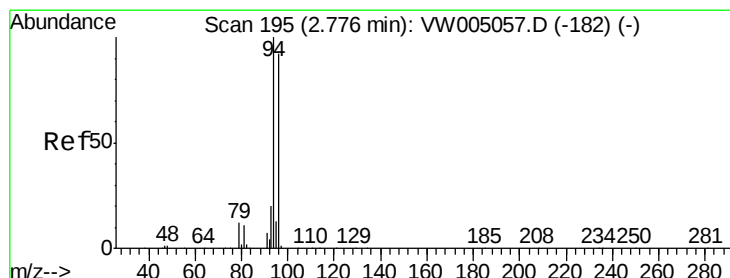
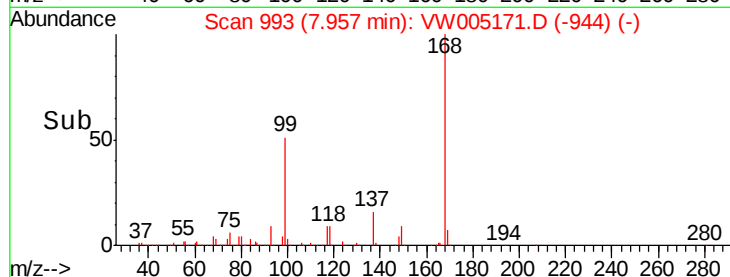
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005171.D

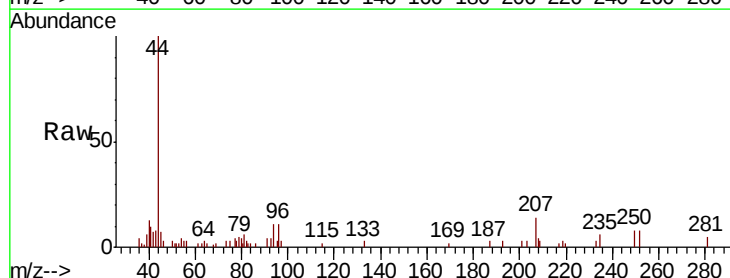
Acq: 06 Sep 2018 18:24

Tgt Ion: 94 Resp: 1055

Ion Ratio Lower Upper

94 100

96 50.8 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

500

400

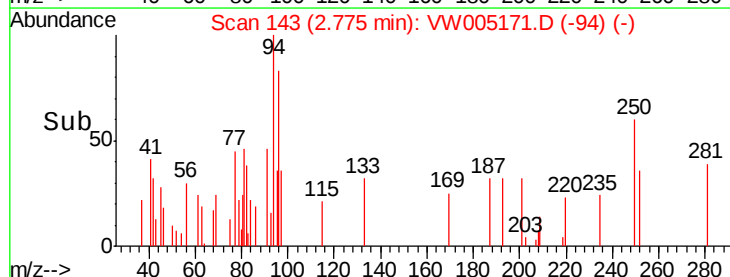
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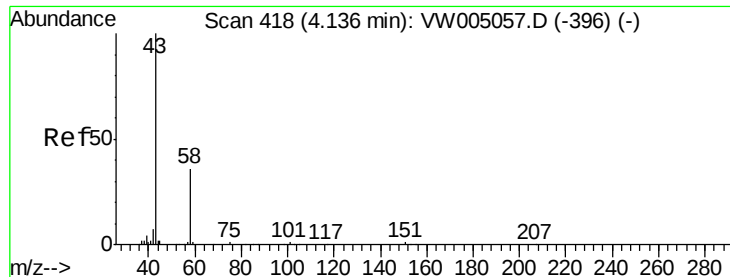
200

100

0

Time-->





#16

Acetone

Concen: 84.506 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

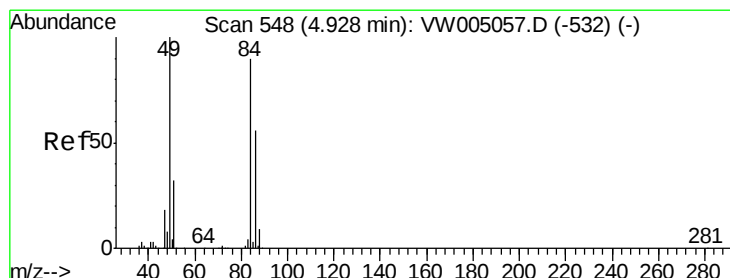
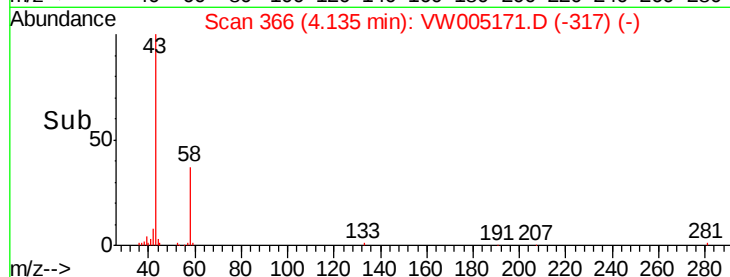
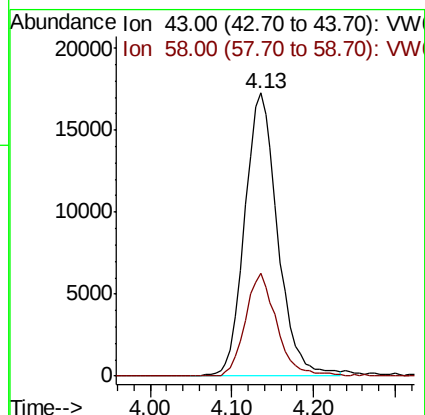
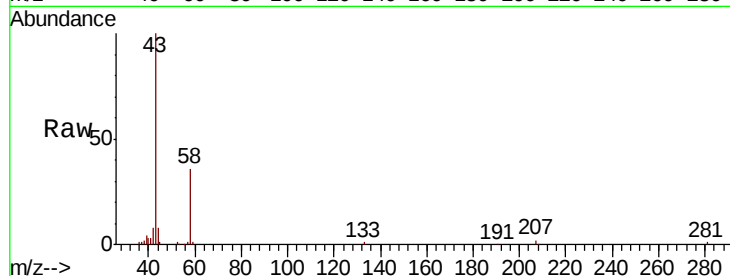
BFB

Tgt Ion: 43 Resp: 48599

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.6



#20

Methylene Chloride

Concen: 7.717 ug/l

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Tgt Ion: 84 Resp: 42769

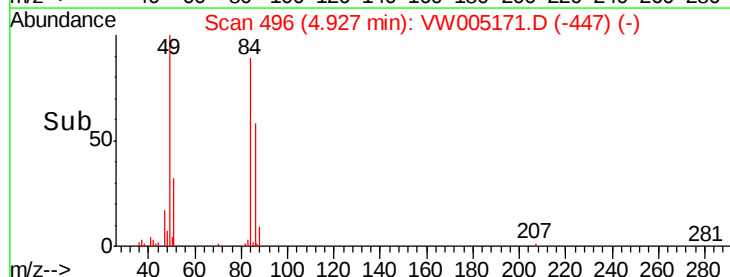
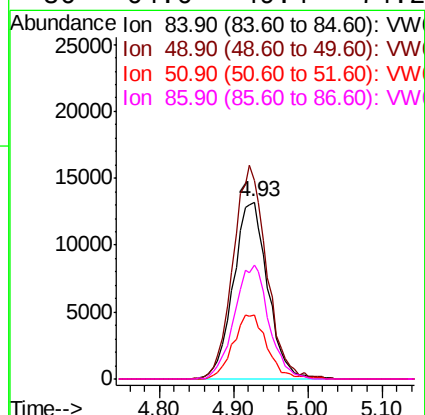
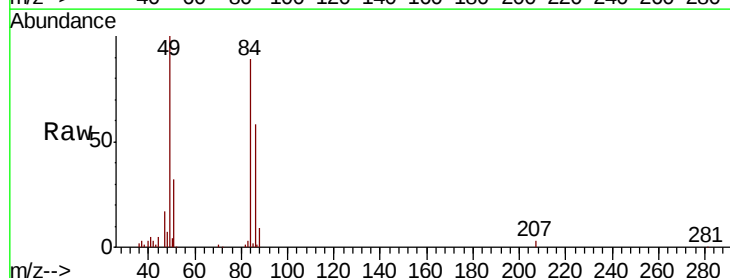
Ion Ratio Lower Upper

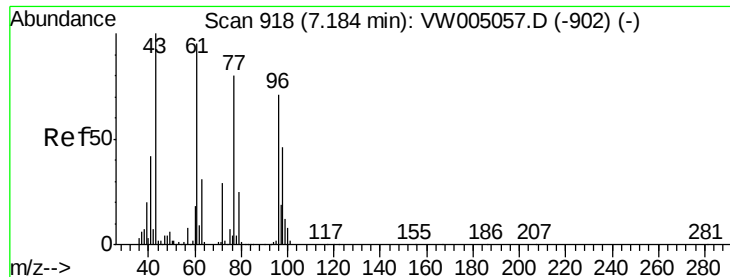
84 100

49 112.2 88.7 133.1

51 36.3 28.6 42.8

86 64.6 49.4 74.2

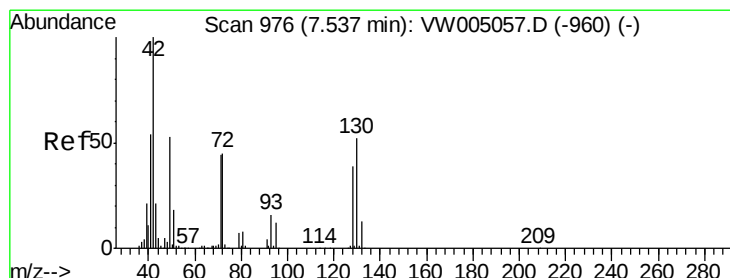
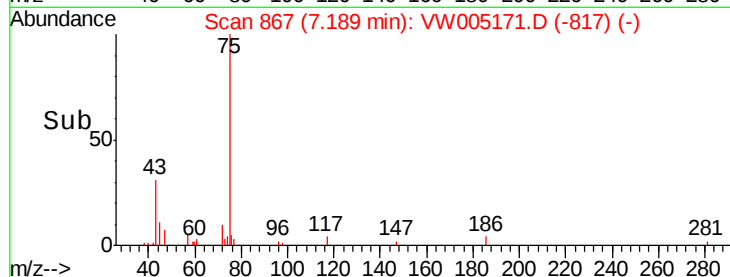
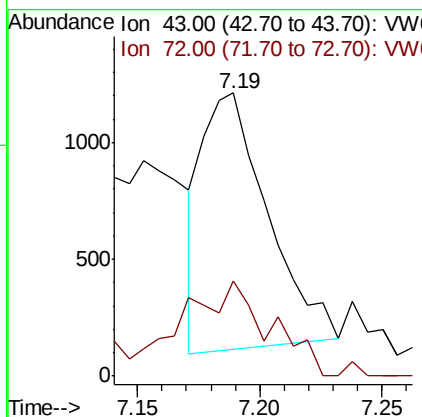
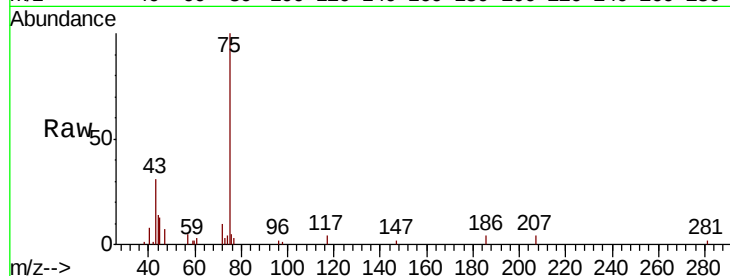




#25
2-Butanone
Concen: 2.052 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

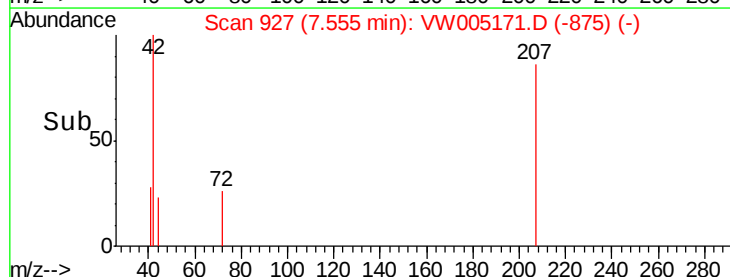
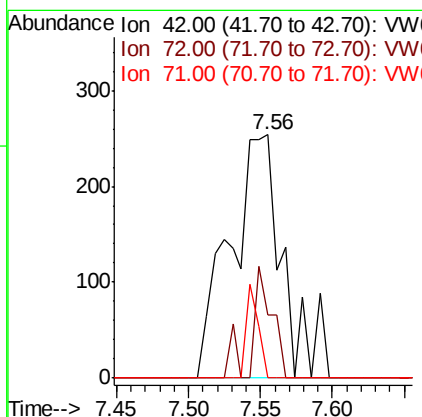
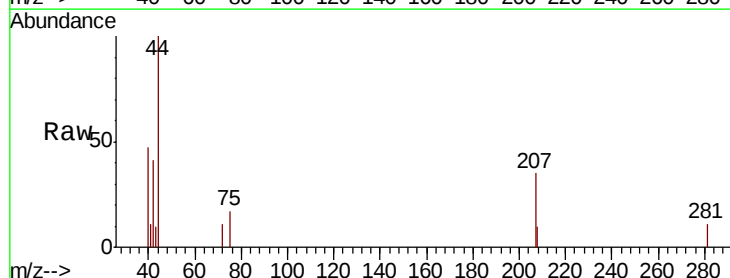
Instrument :
MSVOA_W
ClientSampled :
BFB

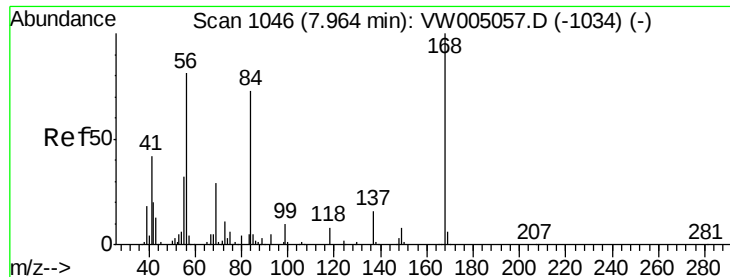
Tgt Ion: 43 Resp: 2047
Ion Ratio Lower Upper
43 100
72 38.9 23.1 34.7#



#29
Tetrahydrofuran
Concen: 1.266 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

Tgt Ion: 42 Resp: 645
Ion Ratio Lower Upper
42 100
72 14.0 37.0 55.4#
71 8.7 35.0 52.6#

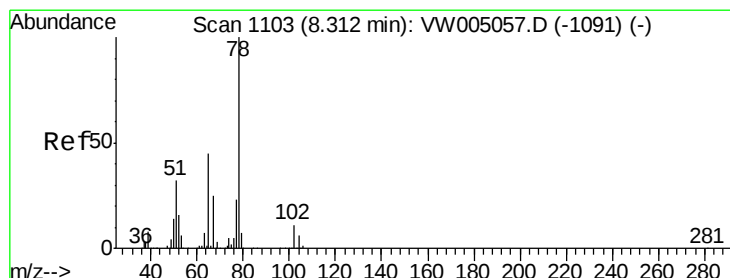
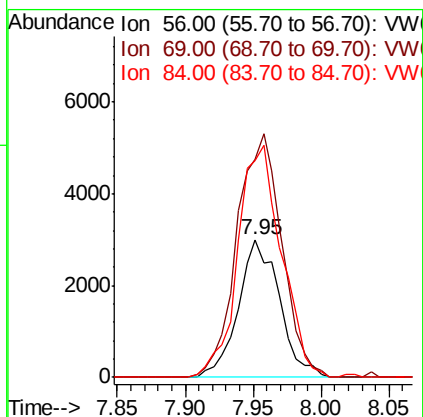
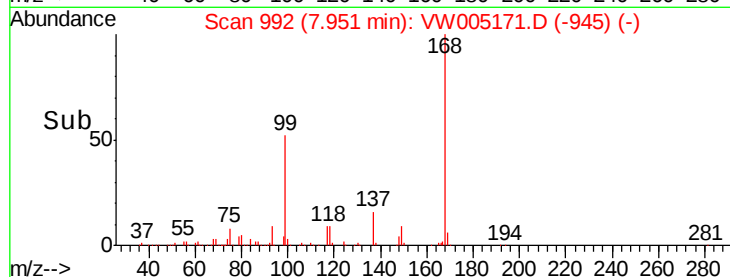
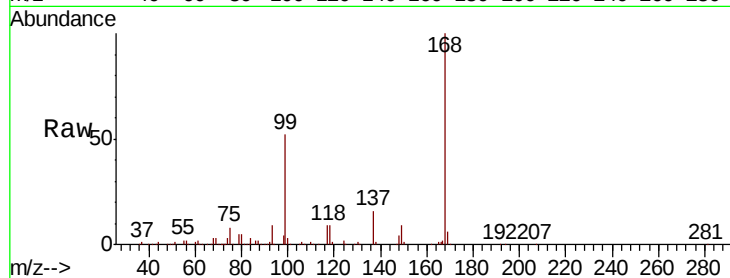




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

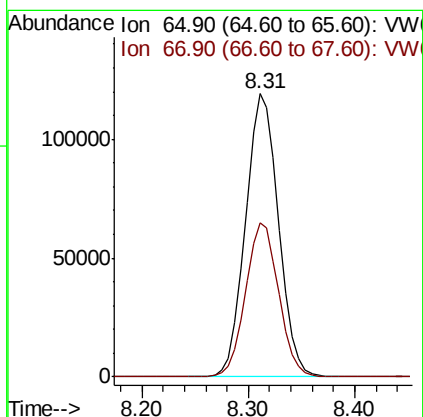
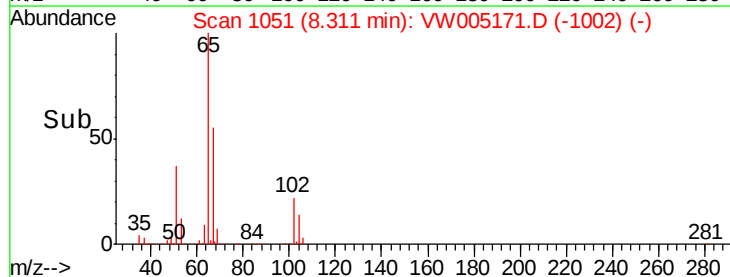
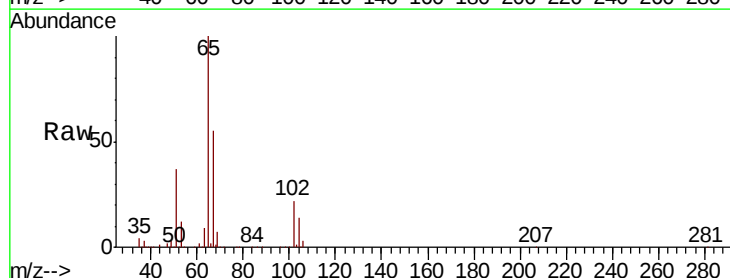
Instrument :
MSVOA_W
ClientSampled :
BFB

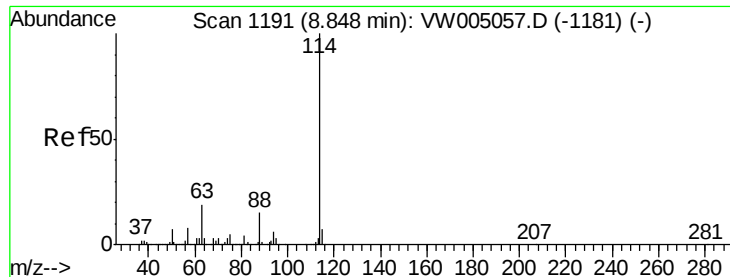
Tgt Ion: 56 Resp: 6323
Ion Ratio Lower Upper
56 100
69 159.0 28.2 42.2#
84 158.0 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 90.420 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

Tgt Ion: 65 Resp: 259290
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.4

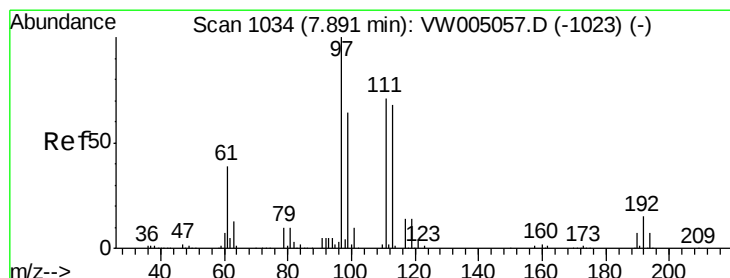
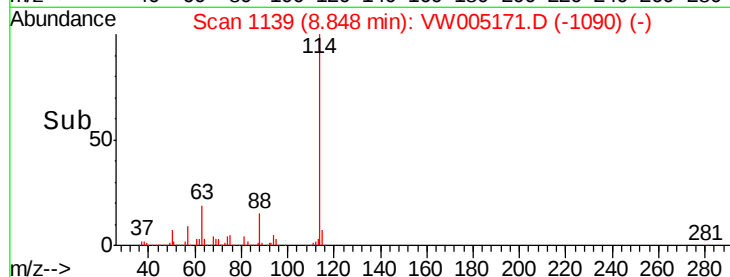
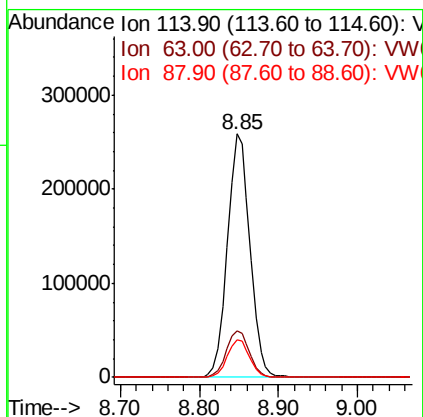
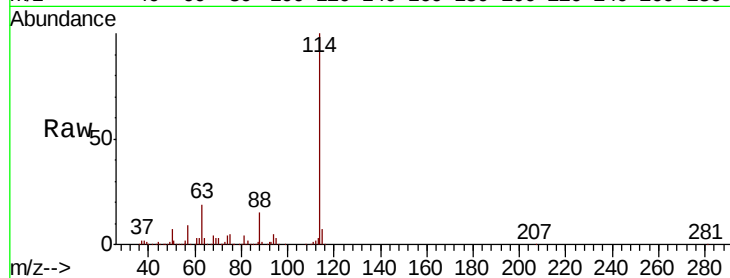




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005171.D
 Acq: 06 Sep 2018 18:24

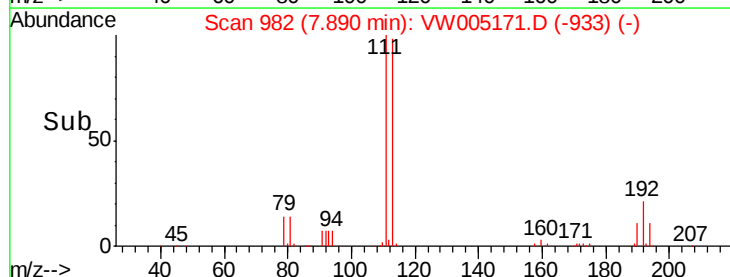
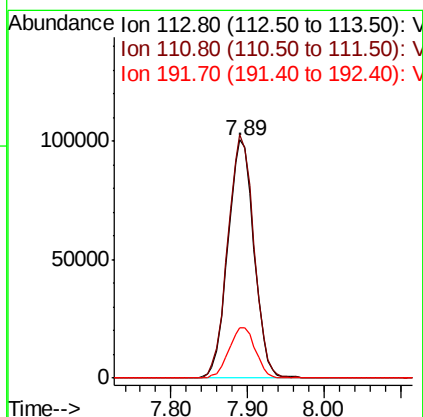
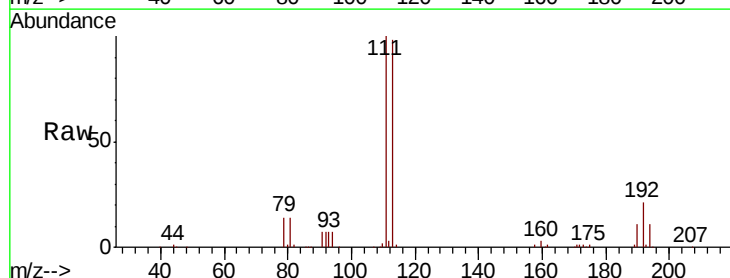
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

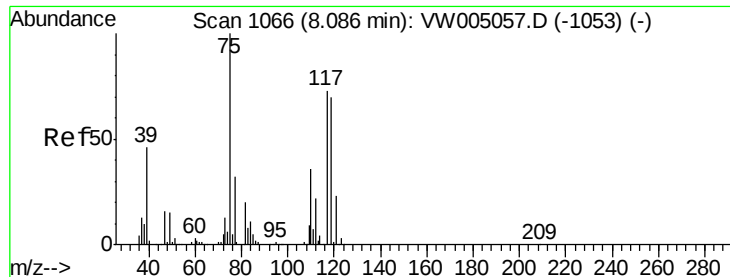
Tgt Ion:	114	Resp:	512732
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.0
88	15.4	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 79.946 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005171.D
 Acq: 06 Sep 2018 18:24

Tgt Ion:	113	Resp:	236881
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	21.8	18.1	27.1

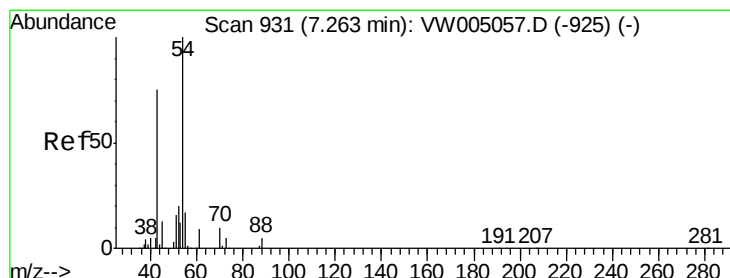
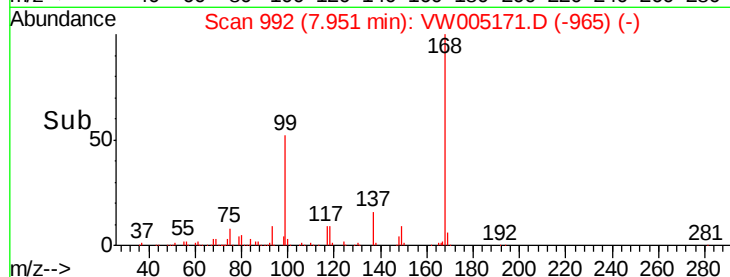
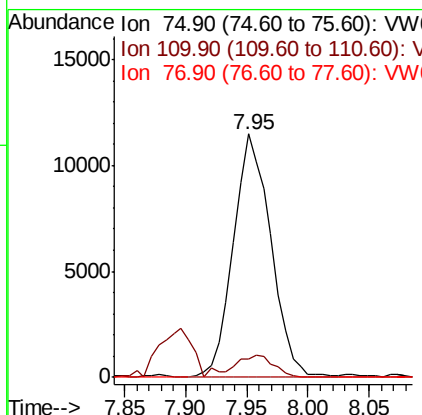
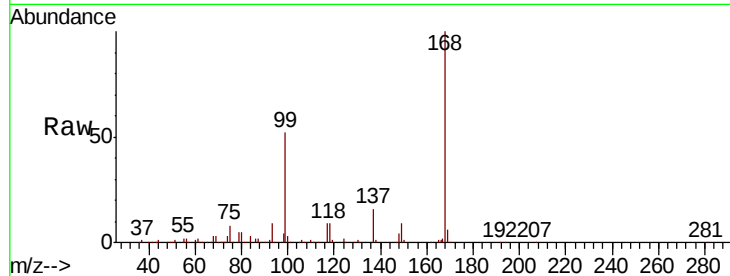




#36
 1,1-Dichloropropene
 Concen: 5.029 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005171.D
 Acq: 06 Sep 2018 18:24

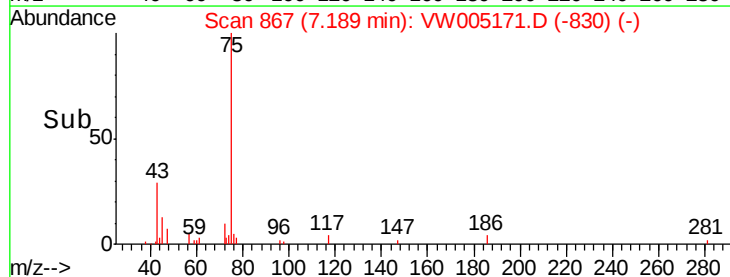
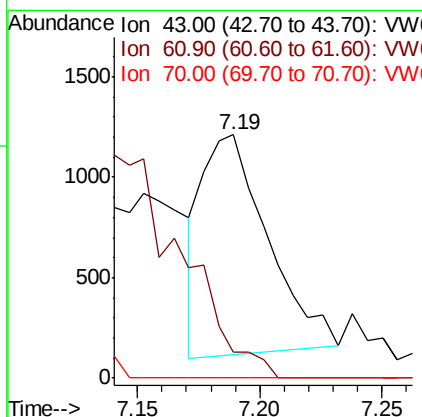
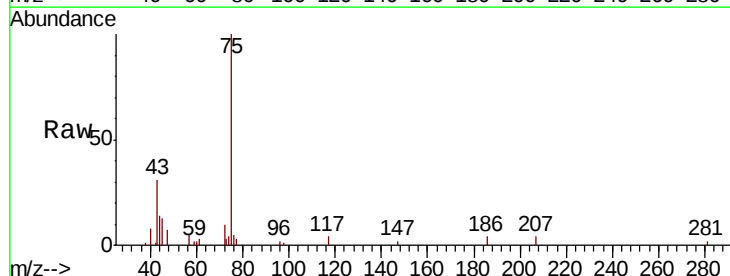
Instrument :
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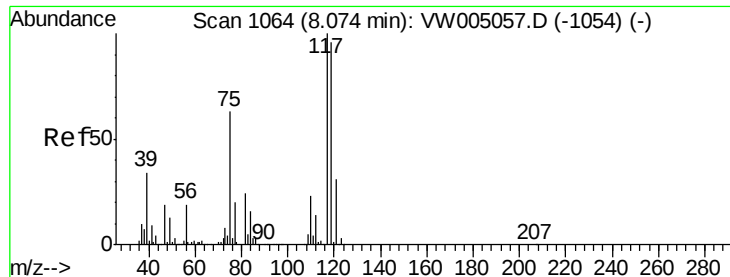
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.9	56.7#
77	0.0	25.5	38.3#



#37
 Ethyl Acetate
 Concen: 1.121 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005171.D
 Acq: 06 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.4	14.2#





#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Instrument :

MSVOA_W

ClientSampled :

BFB

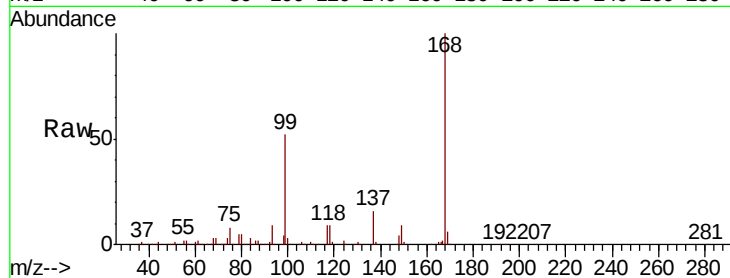
Tgt Ion:117 Resp: 31526

Ion Ratio Lower Upper

117 100

119 6.2 76.6 115.0#

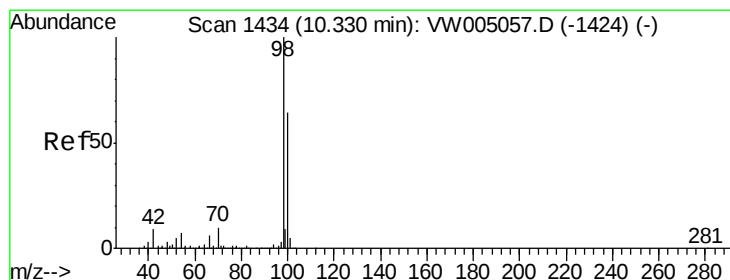
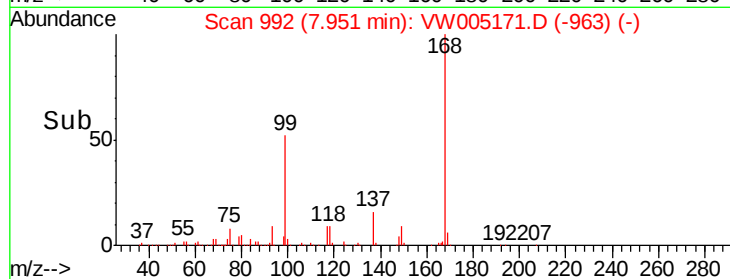
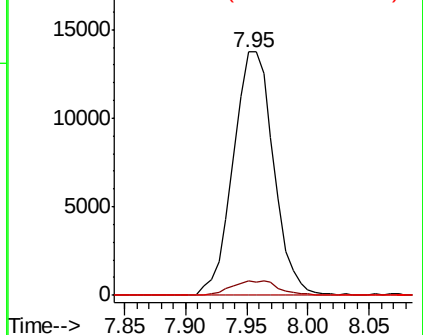
121 0.0 24.8 37.2#



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: 54.864 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005171.D

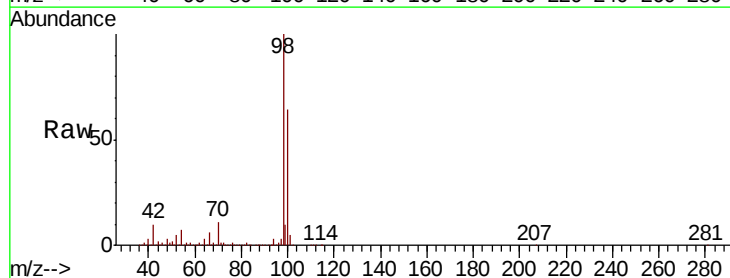
Acq: 06 Sep 2018 18:24

Tgt Ion: 98 Resp: 749056

Ion Ratio Lower Upper

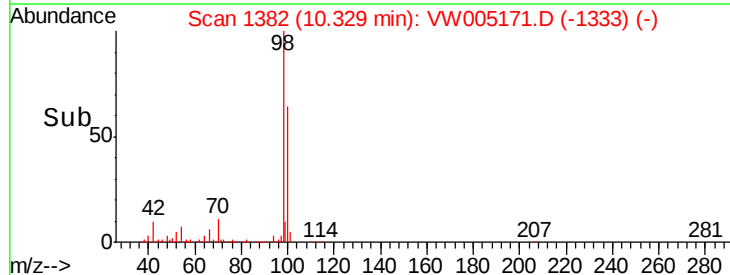
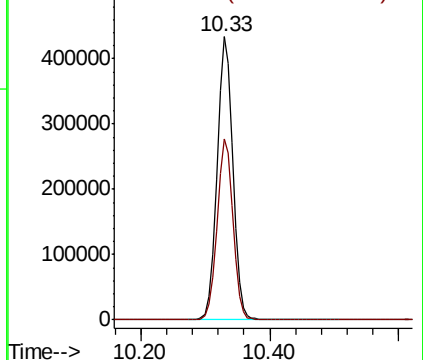
98 100

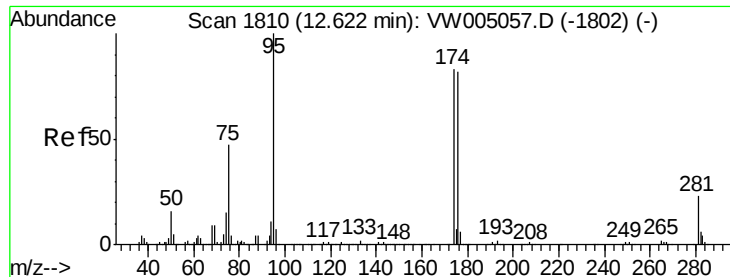
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

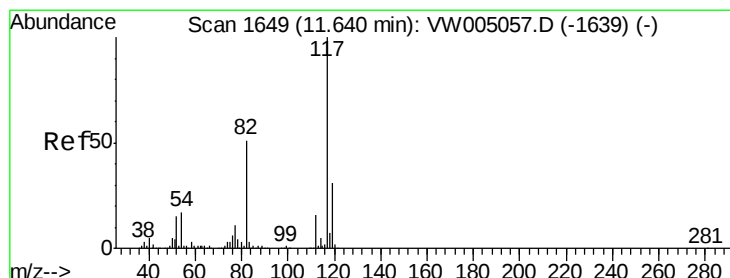
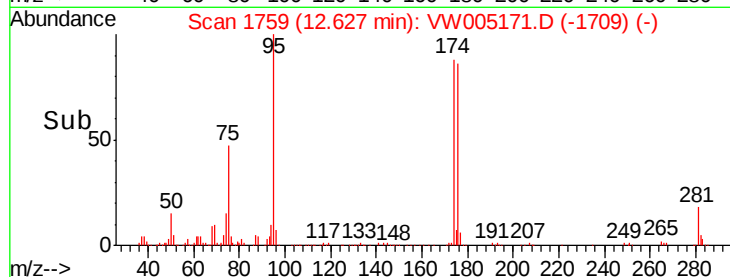
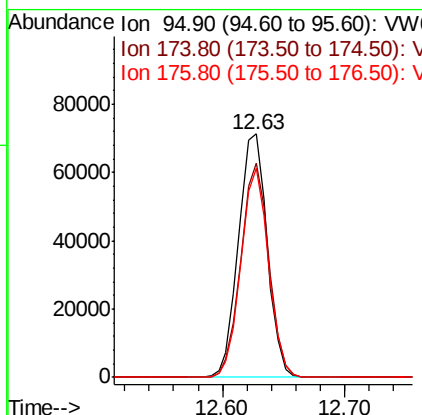
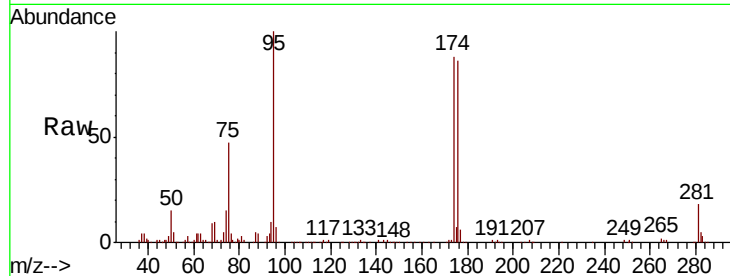




#62
4-Bromofluorobenzene
Concen: 23.979 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

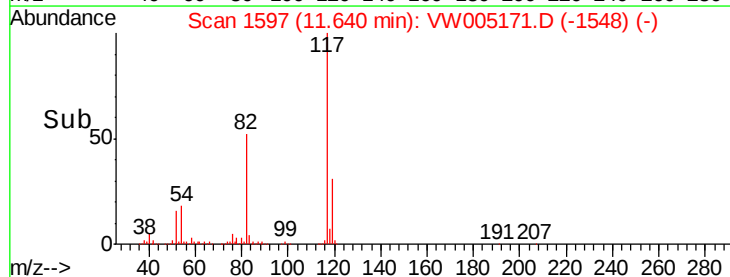
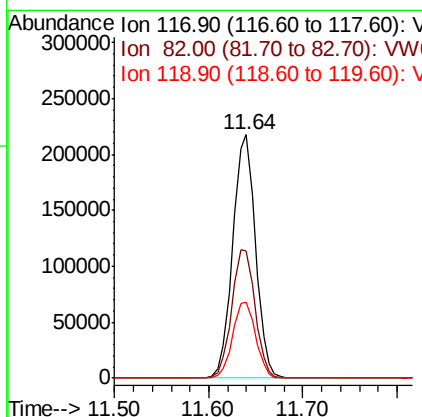
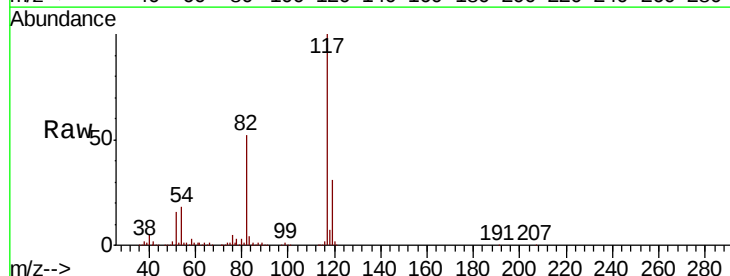
Instrument :
MSVOA_W
ClientSampleId :
BFB

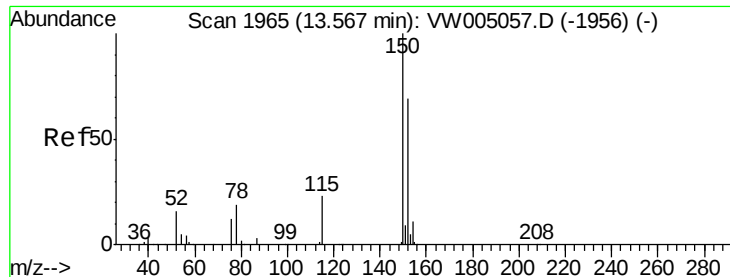
Tgt Ion: 95 Resp: 115437
Ion Ratio Lower Upper
95 100
174 86.4 0.0 173.4
176 83.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

Tgt Ion: 117 Resp: 363329
Ion Ratio Lower Upper
117 100
82 52.1 40.9 61.3
119 31.3 24.9 37.3



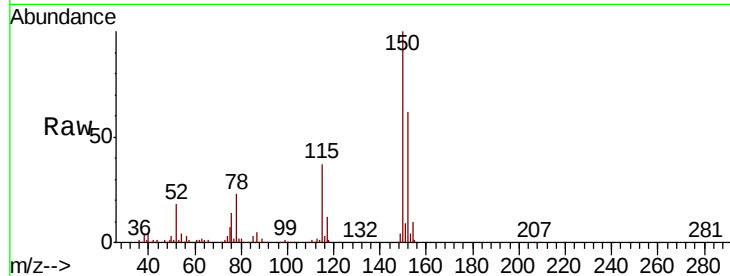


#72

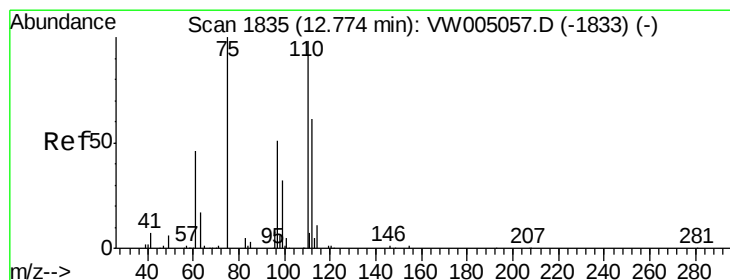
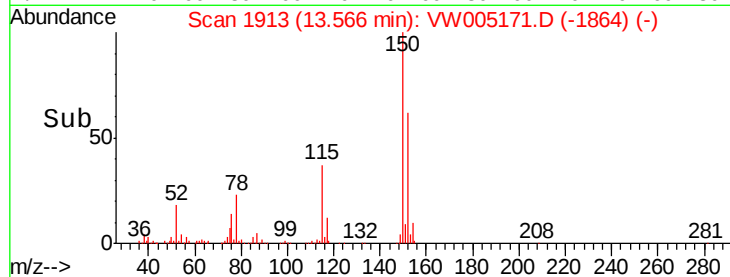
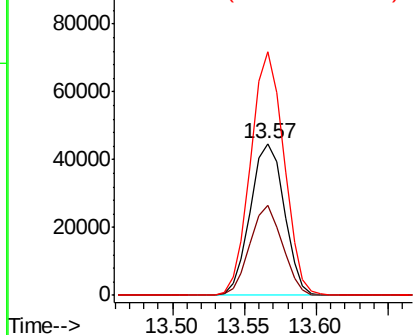
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:152 Resp: 73184
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.4
150 156.6 0.0 351.4



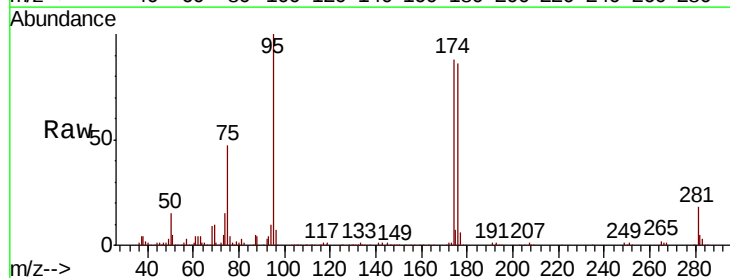
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



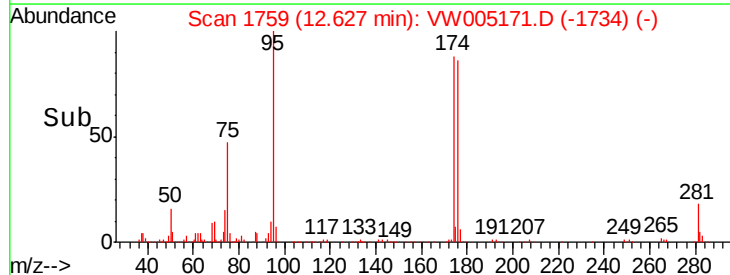
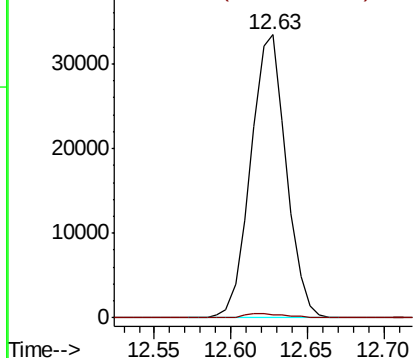
#76

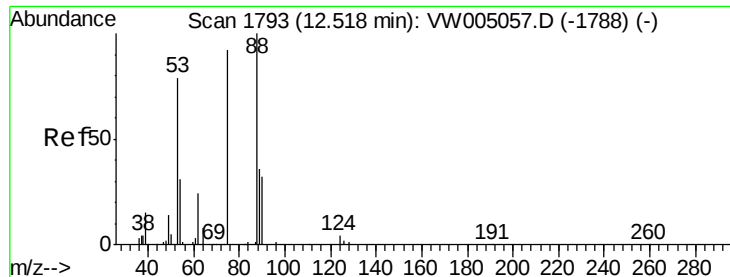
1,2,3-Trichloropropane
Concen: 98.004 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.15 min
Lab File: VW005171.D
Acq: 06 Sep 2018 18:24

Tgt Ion: 75 Resp: 53837
Ion Ratio Lower Upper
75 100
77 1.9 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: 235.884 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

BFB

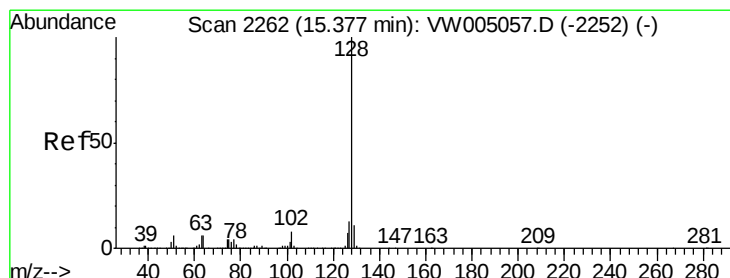
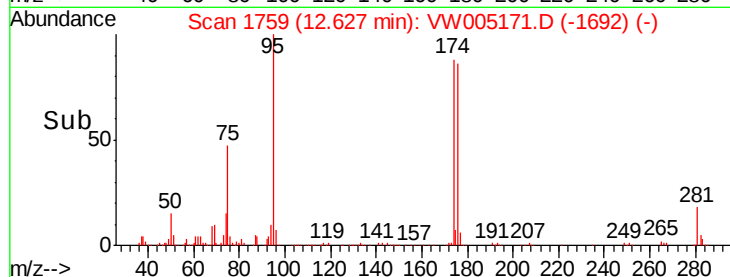
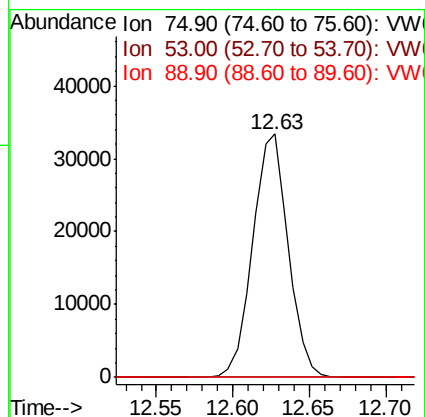
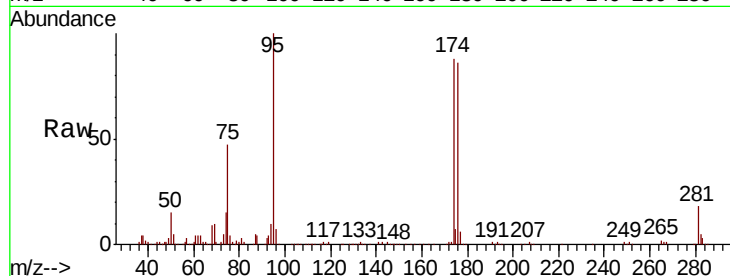
Tgt Ion: 75 Resp: 53837

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 36.0 54.0#



#95

Naphthalene

Concen: 4.205 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005171.D

Acq: 06 Sep 2018 18:24

Tgt Ion: 128 Resp: 646

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 9.1 8.7 13.1

