

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
 Data File : VW005484.D
 Acq On : 18 Sep 2018 17:31
 Operator : SY/AP
 Sample : J4949-01RE
 Misc : 4.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Sep 19 05:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	164958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	162726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	101354	59.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.38%	
35) Dibromofluoromethane	7.89	113	75701	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	10.33	98	180818	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
62) 4-Bromofluorobenzene	12.63	95	45214	16.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.24%	

Target Compounds

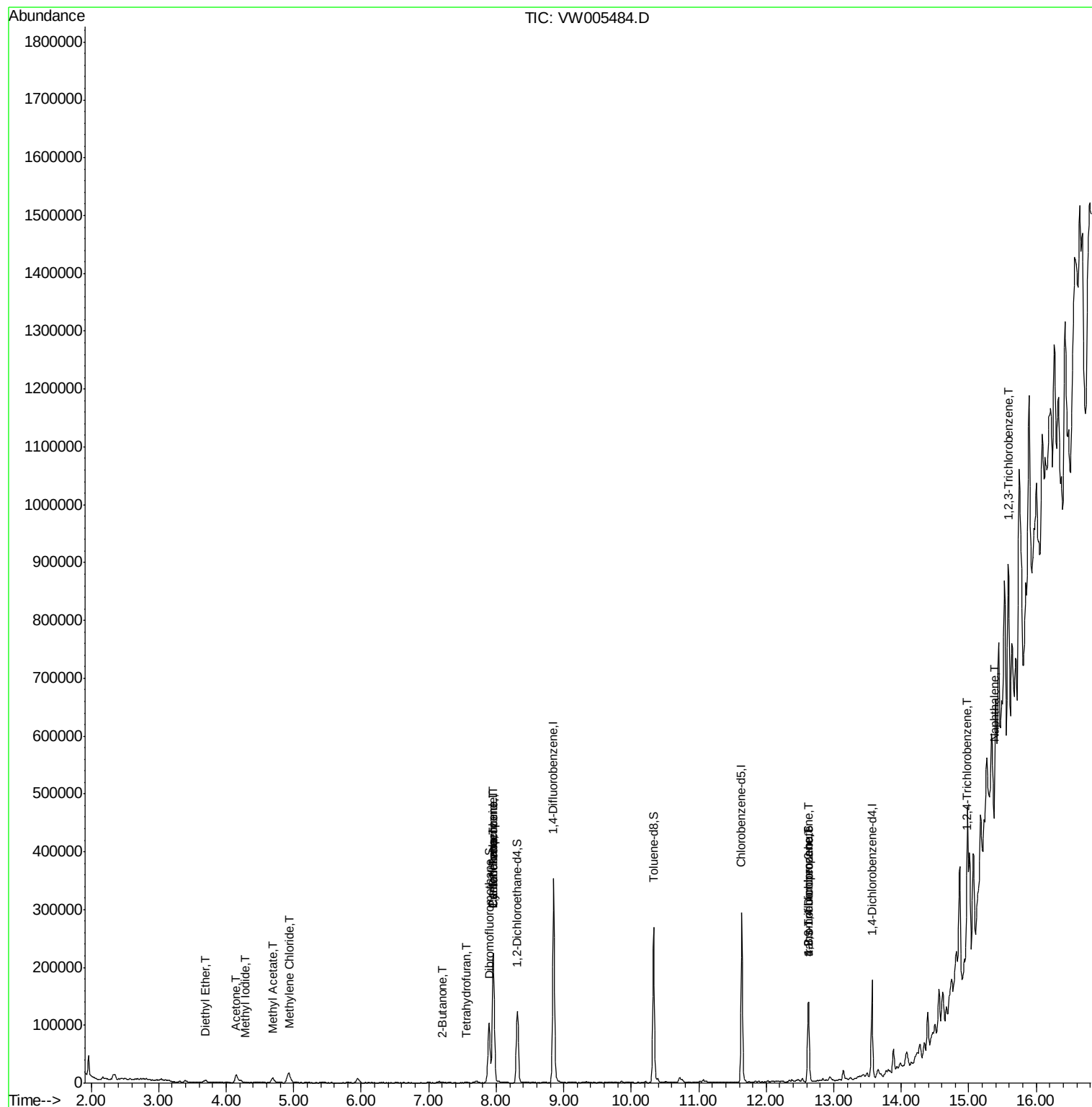
						Qvalue
2) Dichlorodifluoromethane	2.00	85	320	Below Cal	#	68
5) Bromomethane	2.78	94	371	Below Cal		86
8) Diethyl Ether	3.68	74	1632	2.272 ug/l	#	1
10) Methyl Iodide	4.28	142	79	4.092 ug/l	#	38
11) Tert butyl alcohol	5.23	59	312	Below Cal	#	71
16) Acetone	4.15	43	25681	92.978 ug/l		97
18) Methyl Acetate	4.69	43	17442	21.198 ug/l		96
20) Methylene Chloride	4.93	84	13044	2.190 ug/l		94
25) 2-Butanone	7.20	43	1949	4.732 ug/l		97
29) Tetrahydrofuran	7.56	42	624	2.378 ug/l	#	65
31) Cyclohexane	7.95	56	4375	1.601 ug/l	#	1
36) 1,1-Dichloropropene	7.96	75	13398	4.900 ug/l	#	51
38) Carbon Tetrachloride	7.96	117	16309	5.724 ug/l	#	16
76) 1,2,3-Trichloropropane	12.63	75	22293	62.612 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	22293	162.419 ug/l	#	8
93) 1,2,4-Trichlorobenzene	14.96	180	1176	1.385 ug/l		87
95) Naphthalene	15.38	128	1785	1.262 ug/l	#	75
96) 1,2,3-Trichlorobenzene	15.59	180	28479	38.429 ug/l	#	14

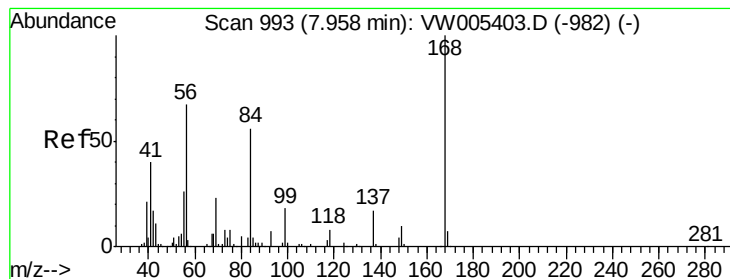
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091818\
Data File : VW005484.D
Acq On : 18 Sep 2018 17:31
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MSVOA_W
ClientSampleId :
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Quant Time: Sep 19 05:59:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:32:34 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: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

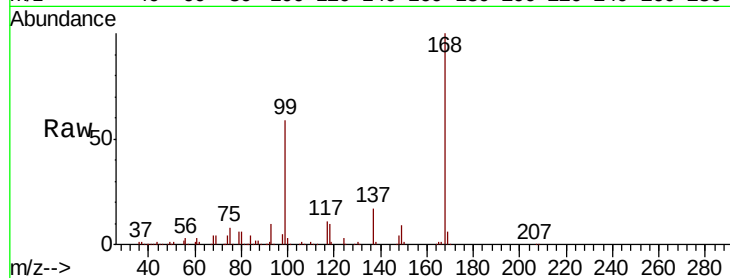
BFB

Tgt Ion:168 Resp: 164958

Ion Ratio Lower Upper

168 100

99 59.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

80000

60000

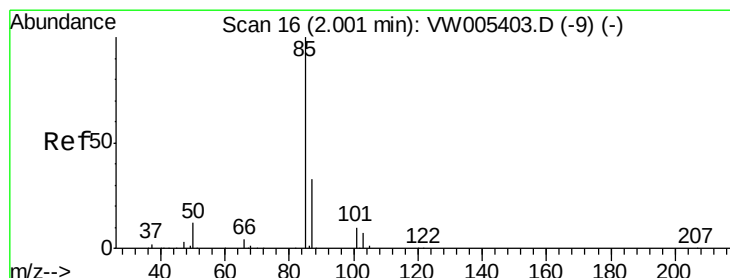
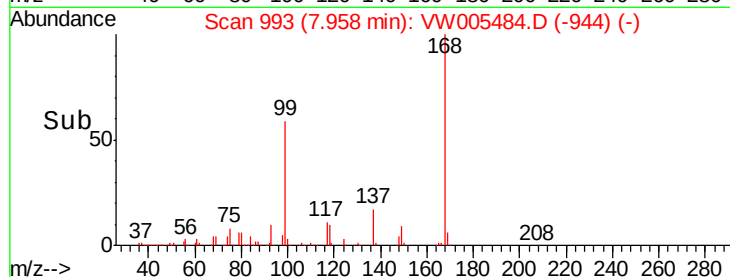
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005484.D

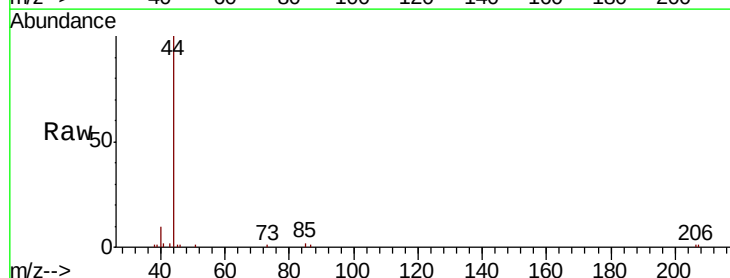
Acq: 18 Sep 2018 17:31

Tgt Ion: 85 Resp: 320

Ion Ratio Lower Upper

85 100

87 50.5 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200

150

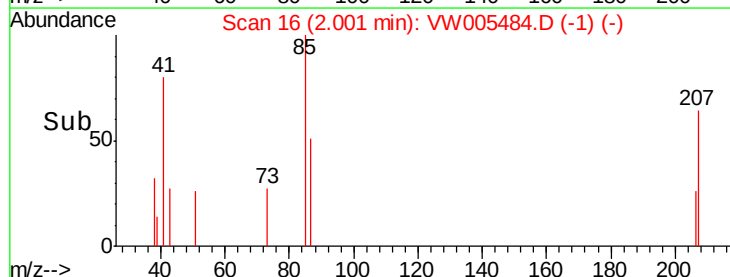
100

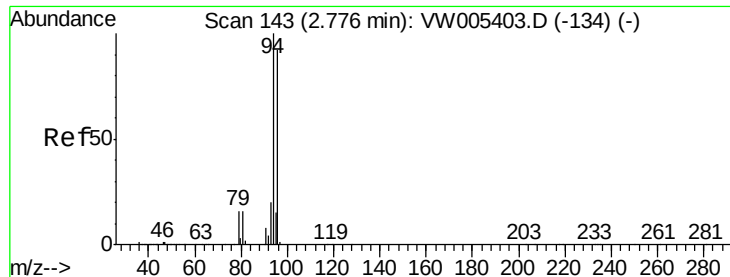
50

0

Time-->

1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

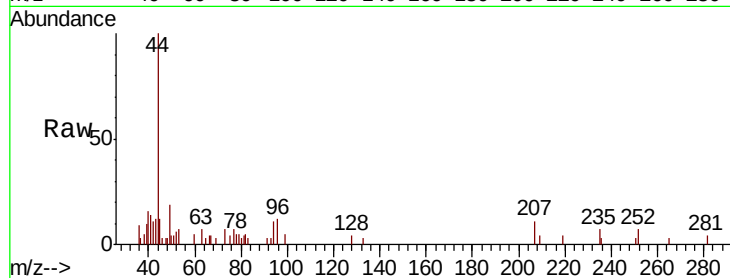
BFB

Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

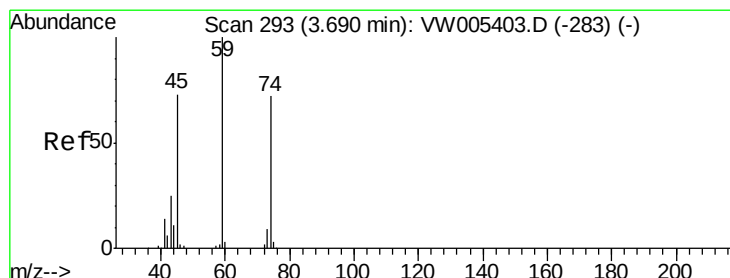
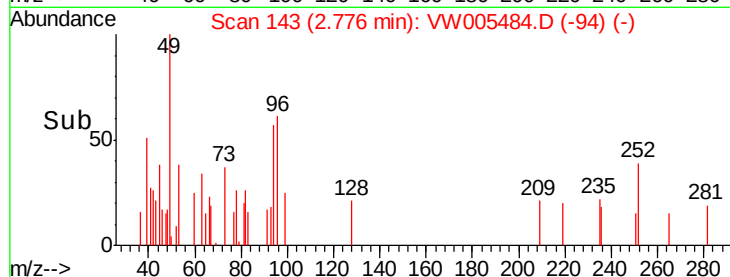
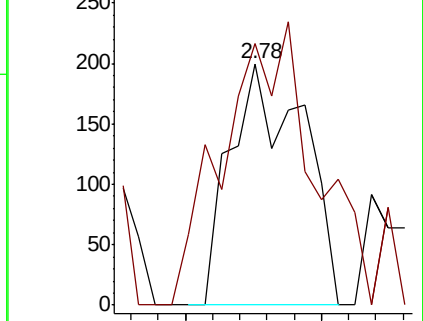
94 100

96 78.5 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 2.272 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW005484.D

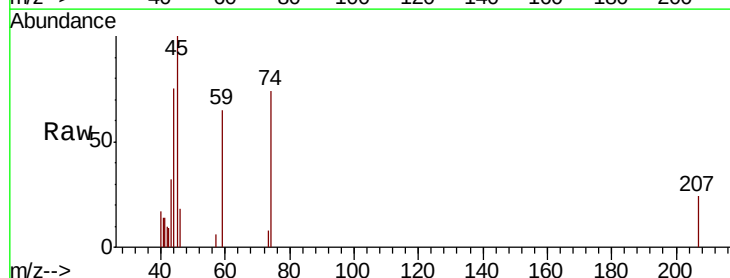
Acq: 18 Sep 2018 17:31

Tgt Ion: 74 Resp: 1632

Ion Ratio Lower Upper

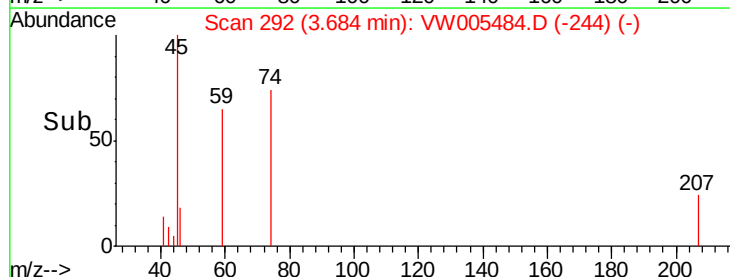
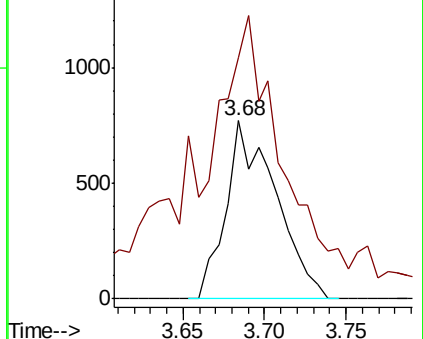
74 100

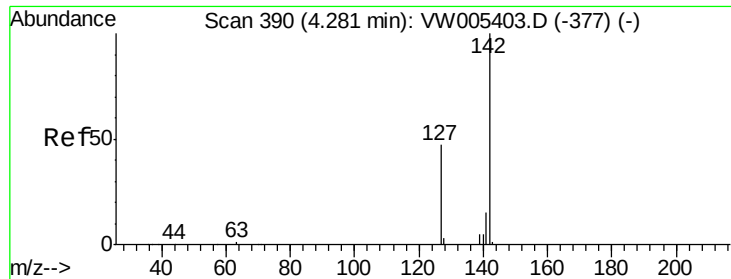
45 229.4 53.1 159.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

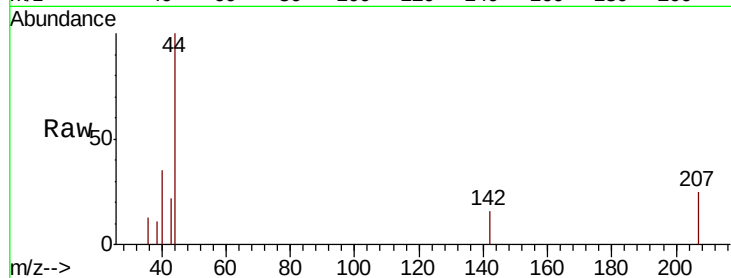




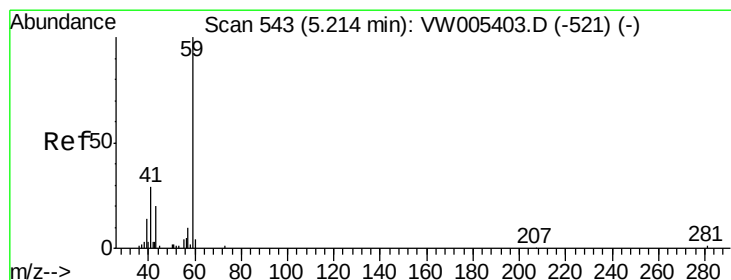
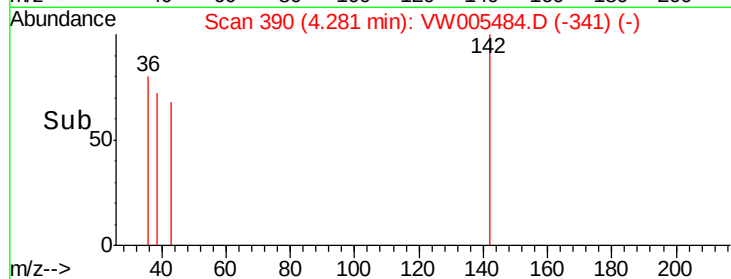
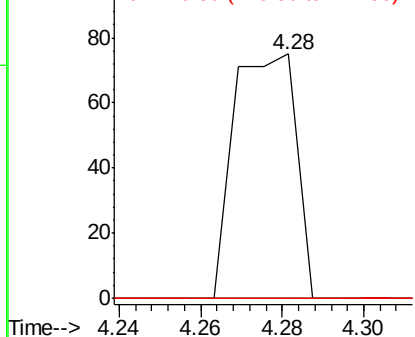
#10
Methyl Iodide
Concen: 4.092 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.00 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion: 142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.4 18.6#

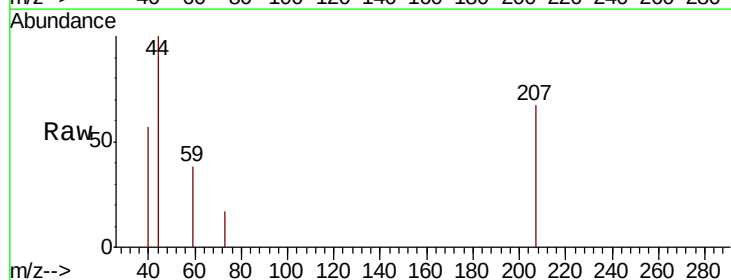


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

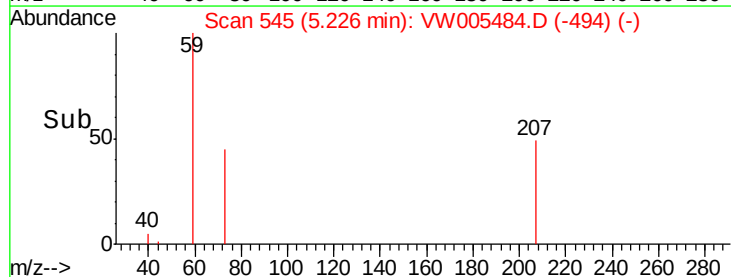
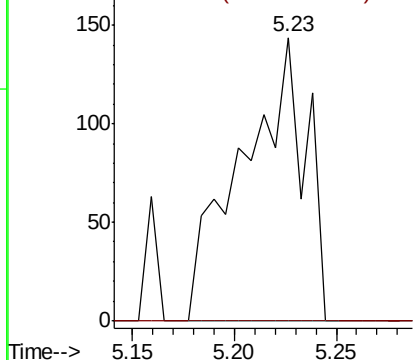


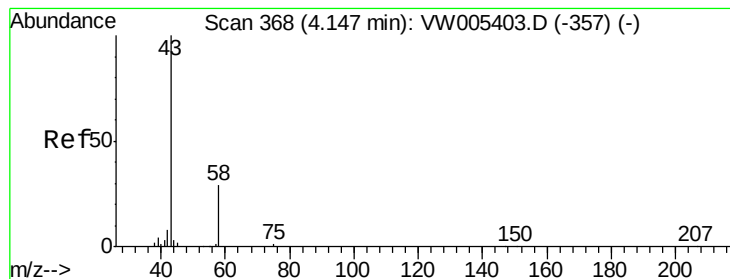
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 92.978 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

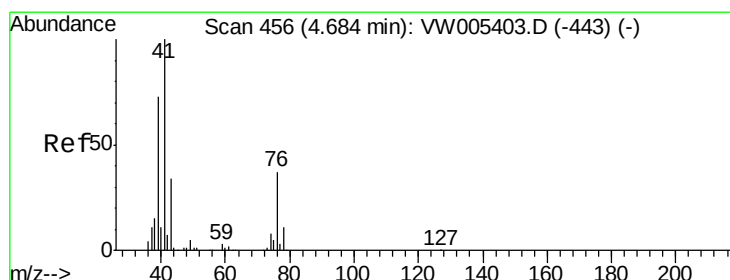
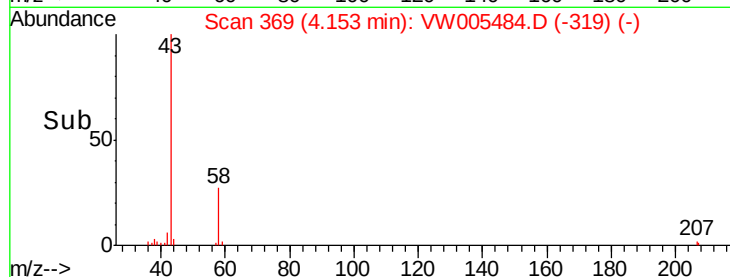
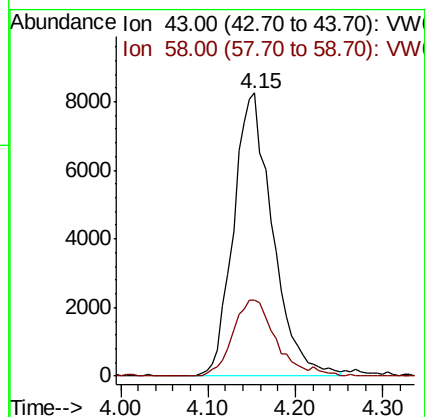
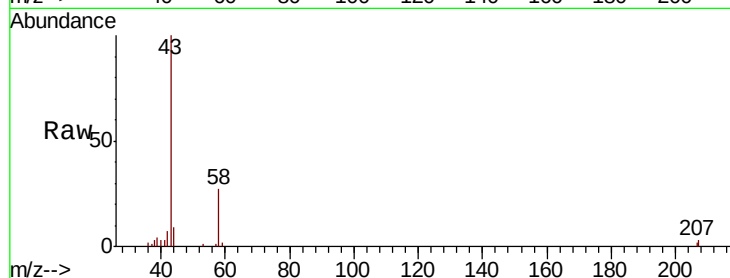
BFB

Tgt Ion: 43 Resp: 25681

Ion Ratio Lower Upper

43 100

58 27.0 22.8 34.2



#18

Methyl Acetate

Concen: 21.198 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005484.D

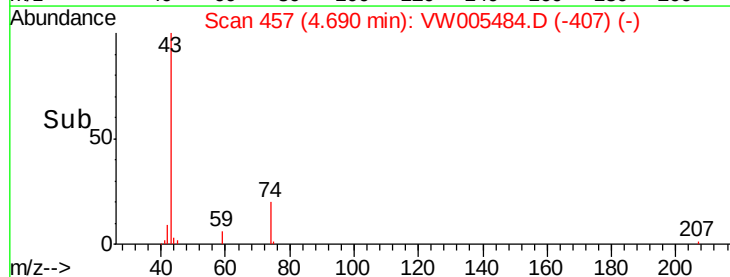
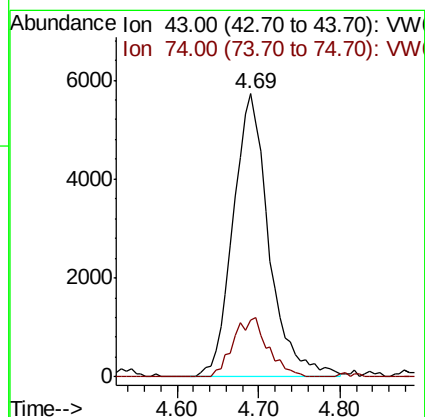
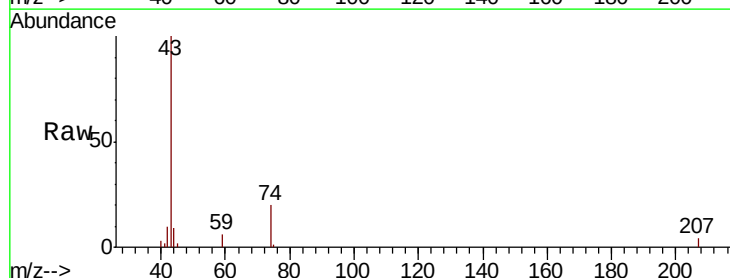
Acq: 18 Sep 2018 17:31

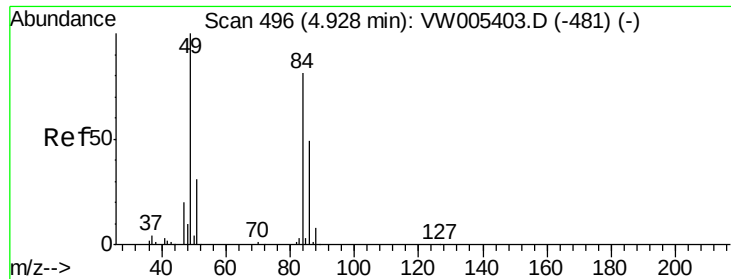
Tgt Ion: 43 Resp: 17442

Ion Ratio Lower Upper

43 100

74 20.0 17.7 26.5

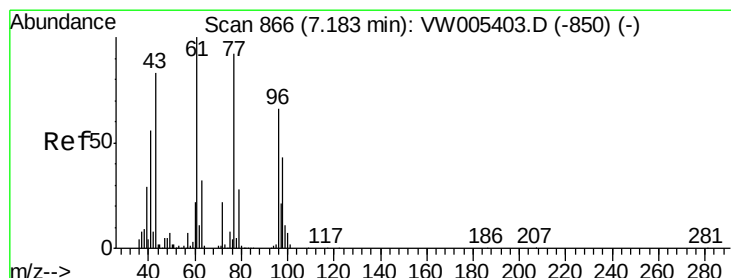
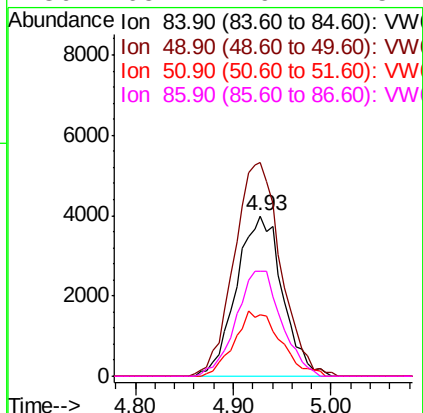
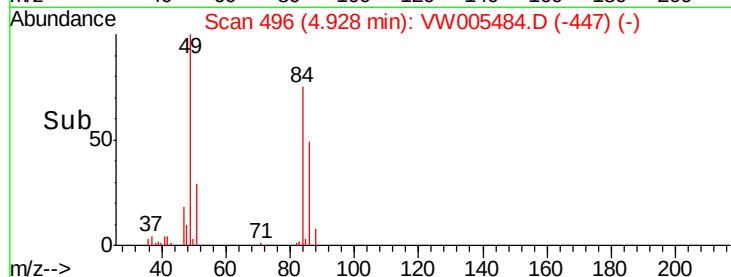
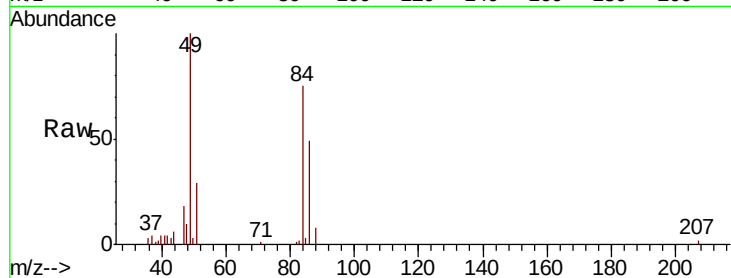




#20
Methylene Chloride
Concen: 2.190 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

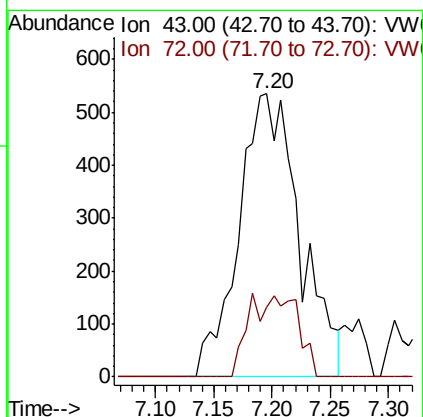
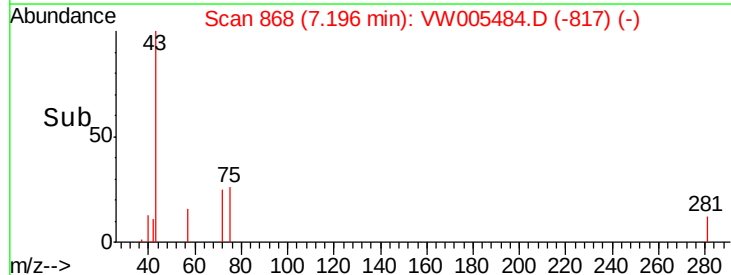
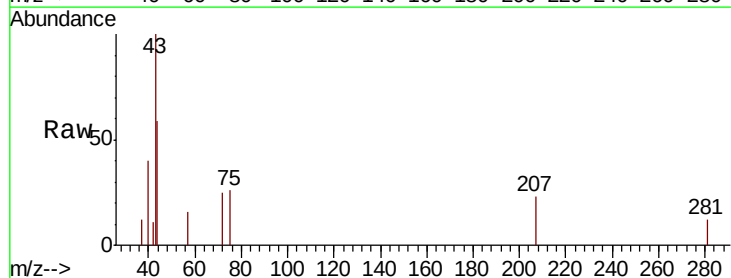
Instrument :
MSVOA_W
ClientSampled :
BFB

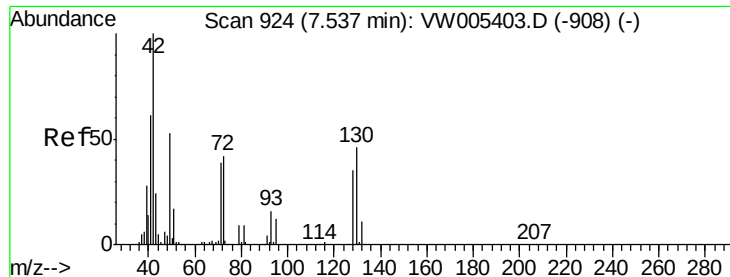
Tgt Ion: 84 Resp: 13044
Ion Ratio Lower Upper
84 100
49 132.9 99.3 148.9
51 38.0 31.1 46.7
86 65.2 49.1 73.7



#25
2-Butanone
Concen: 4.732 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
72 24.7 21.1 31.7





#29

Tetrahydrofuran

Concen: 2.378 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

BFB

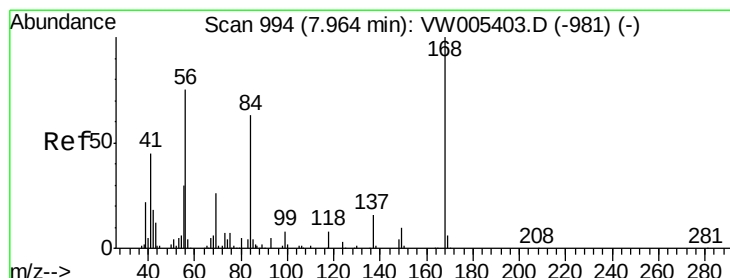
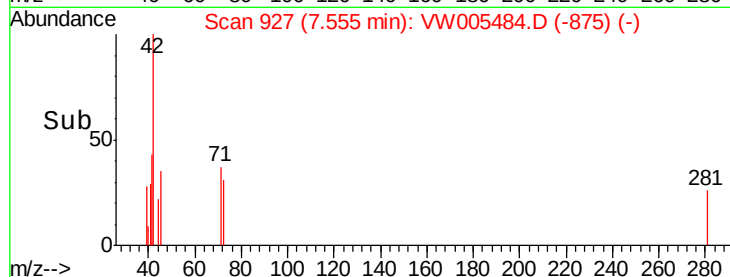
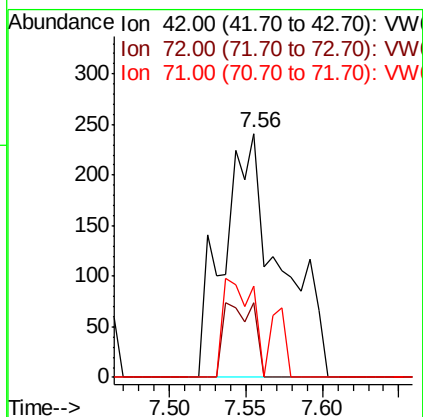
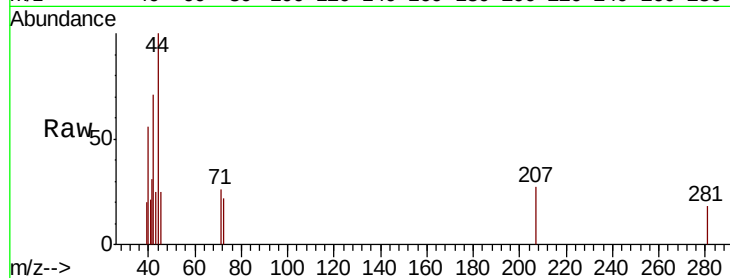
Tgt Ion: 42 Resp: 624

Ion Ratio Lower Upper

42 100

72 16.0 33.2 49.8#

71 20.5 31.0 46.6#



#31

Cyclohexane

Concen: 1.601 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

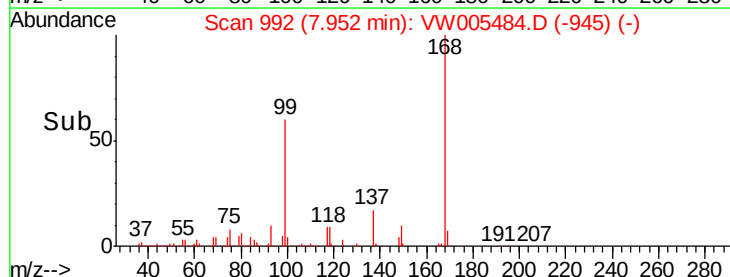
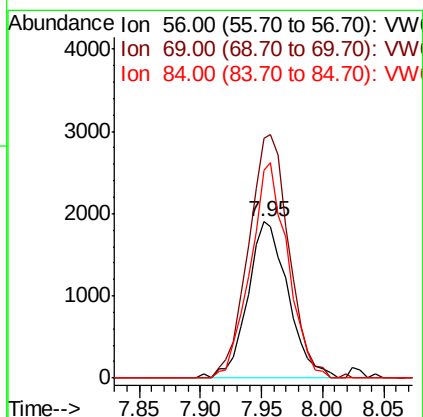
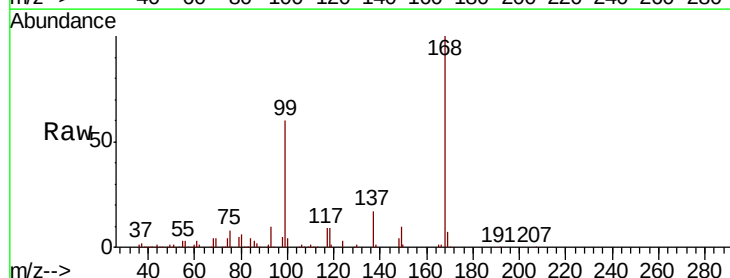
Tgt Ion: 56 Resp: 4375

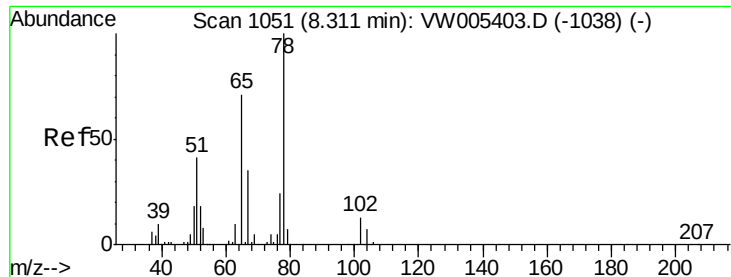
Ion Ratio Lower Upper

56 100

69 152.8 27.2 40.8#

84 132.7 66.7 100.1#

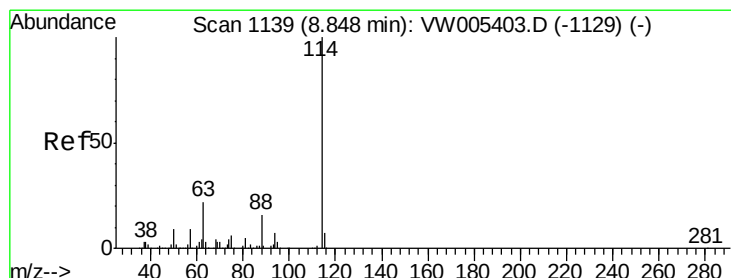
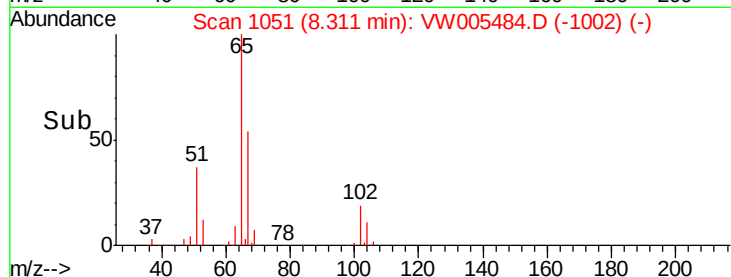
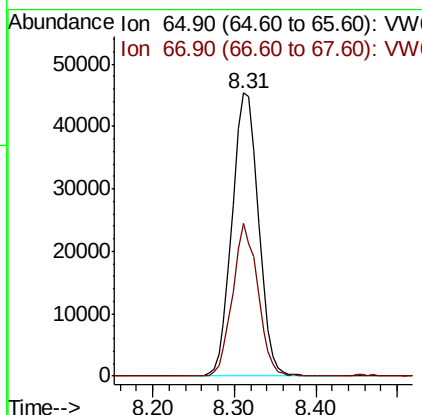
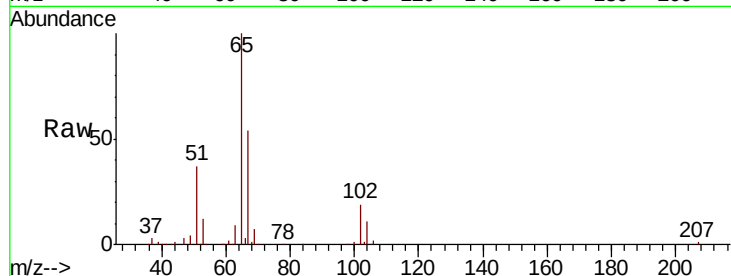




#33
 1,2-Dichloroethane-d4
 Concen: 59.193 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005484.D
 Acq: 18 Sep 2018 17:31

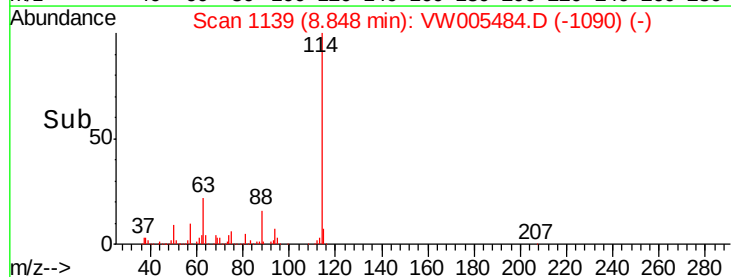
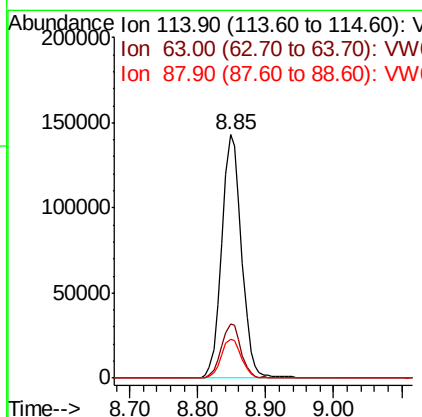
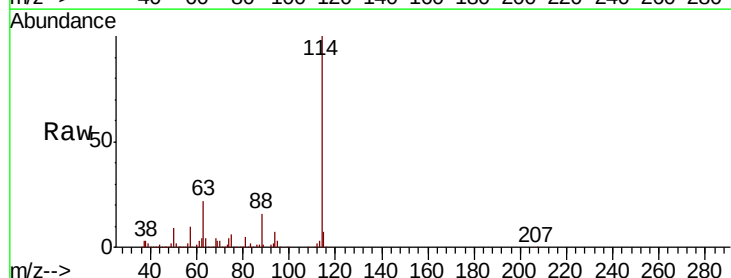
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

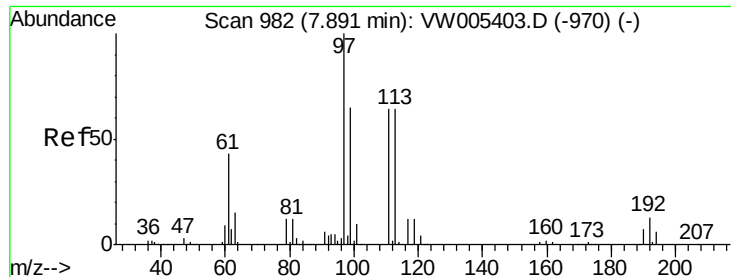
Tgt Ion: 65 Resp: 101354
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005484.D
 Acq: 18 Sep 2018 17:31

Tgt Ion: 114 Resp: 288921
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 16.1 0.0 31.8

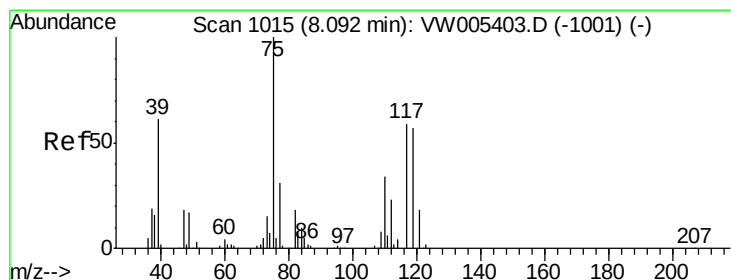
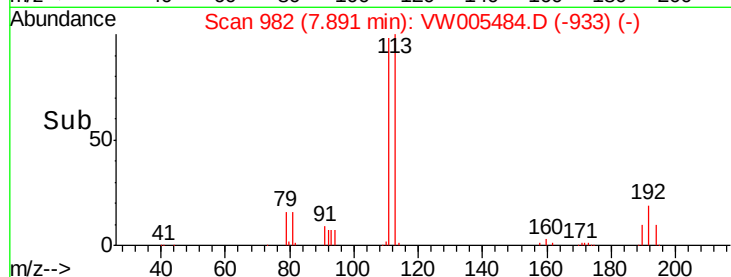
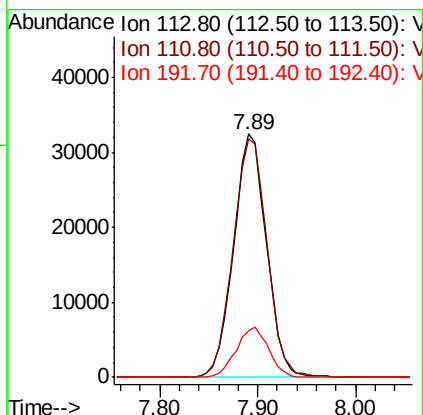
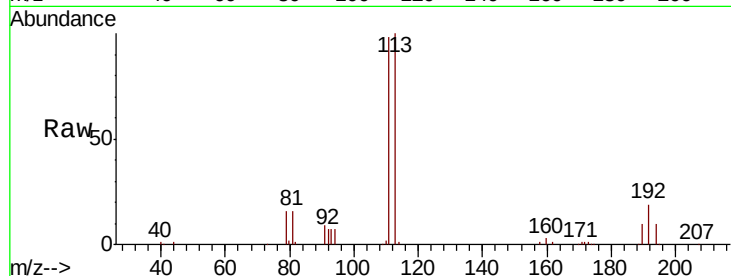




#35
 Dibromofluoromethane
 Concen: 46.731 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005484.D
 Acq: 18 Sep 2018 17:31

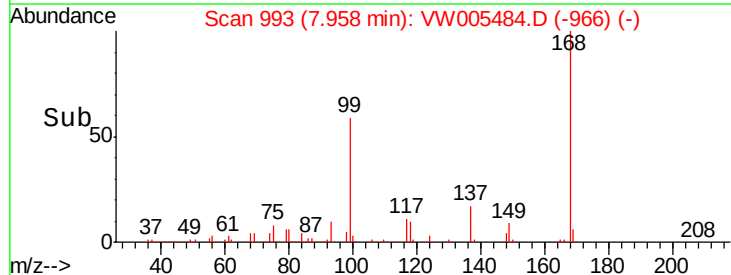
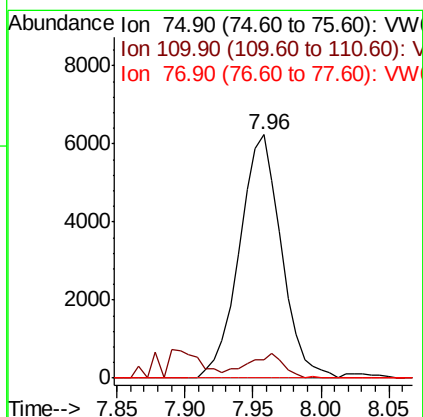
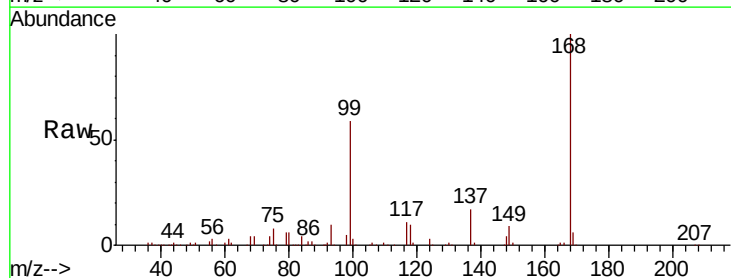
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

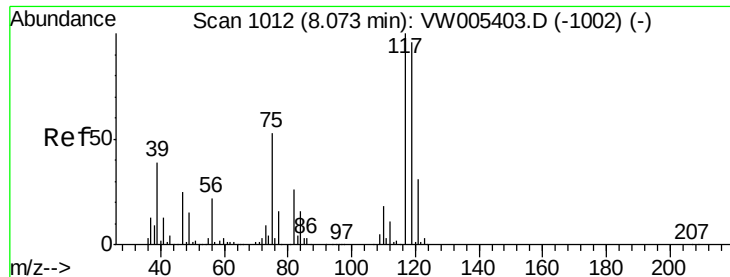
Tgt Ion: 113 Resp: 75701
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.3 123.5
 192 20.3 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.900 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005484.D
 Acq: 18 Sep 2018 17:31

Tgt Ion: 75 Resp: 13398
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.8 50.4#
 77 0.0 24.2 36.4#

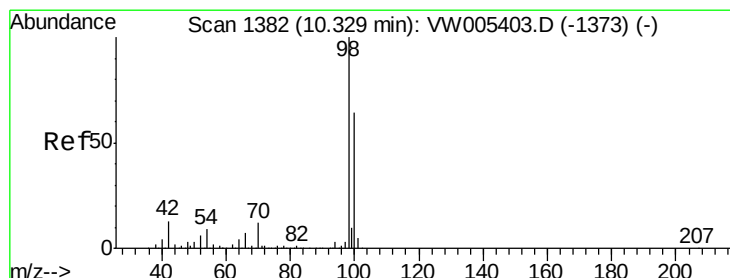
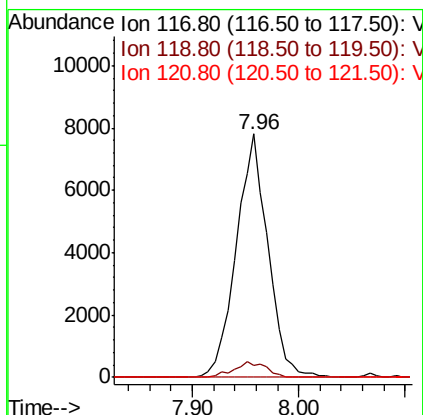
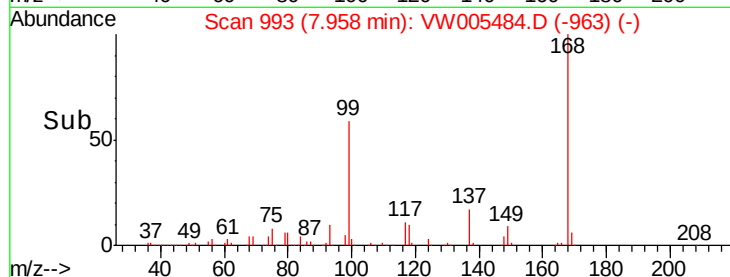
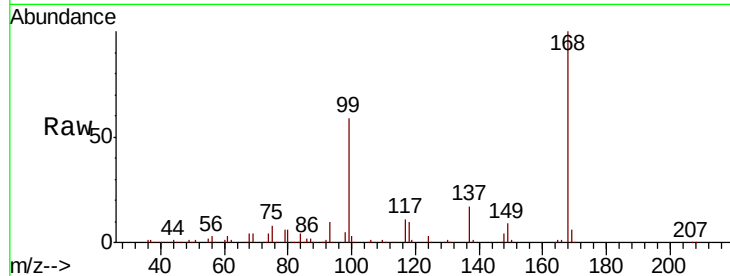




#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

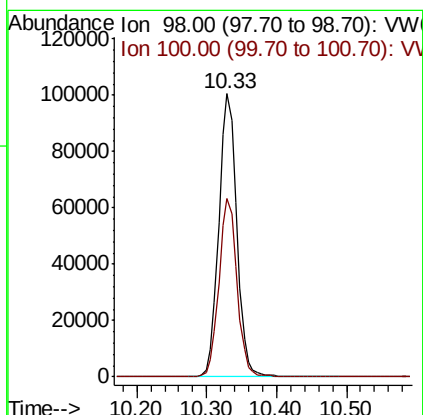
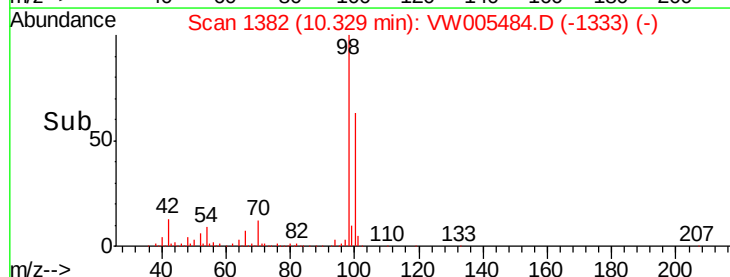
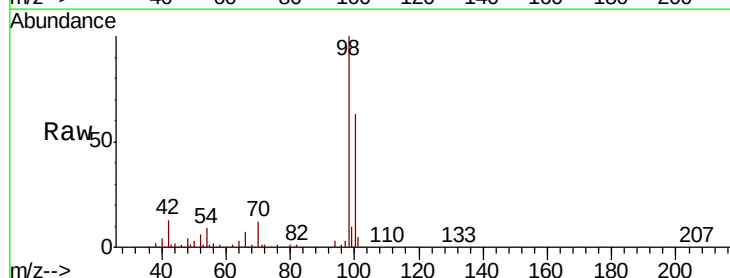
Instrument :
MSVOA_W
ClientSampleId :
BFB

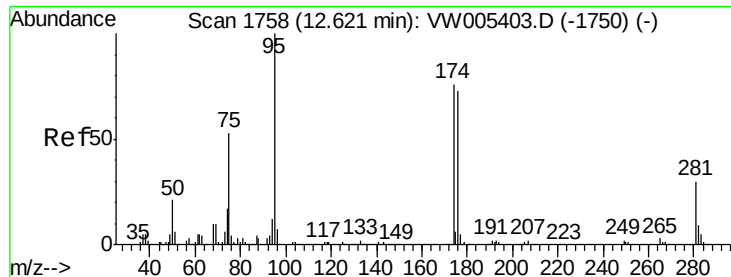
Tgt Ion:117 Resp: 16309
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 24.374 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Tgt Ion: 98 Resp: 180818
Ion Ratio Lower Upper
98 100
100 63.0 51.4 77.0

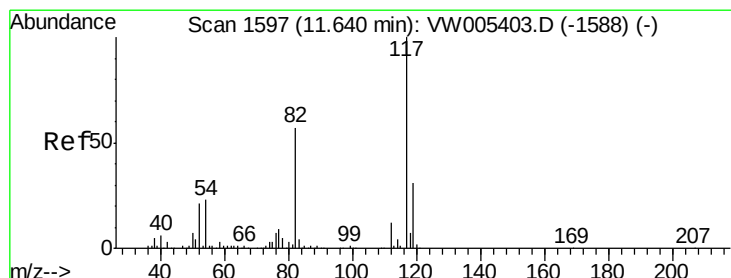
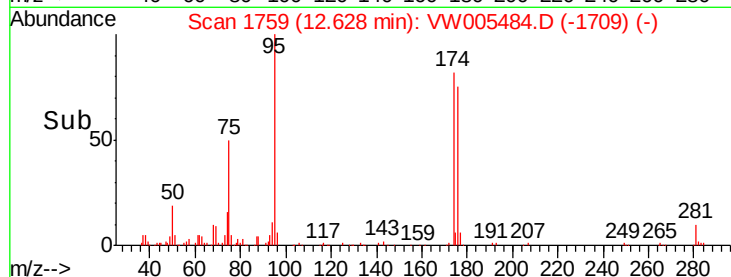
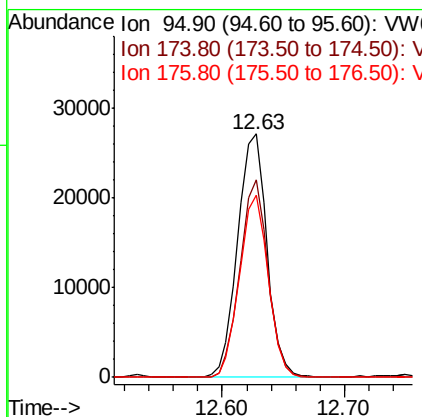
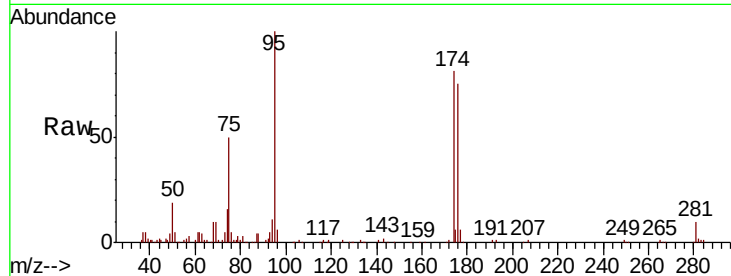




#62
4-Bromofluorobenzene
Concen: 16.622 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

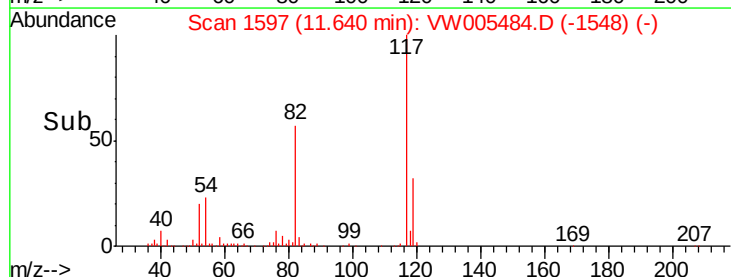
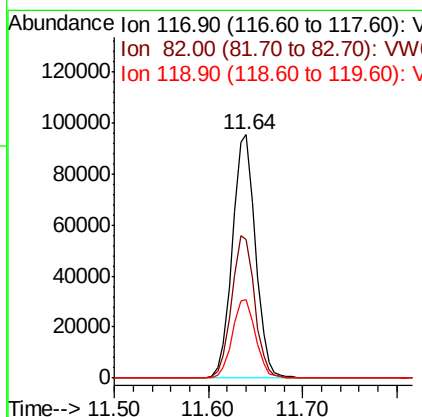
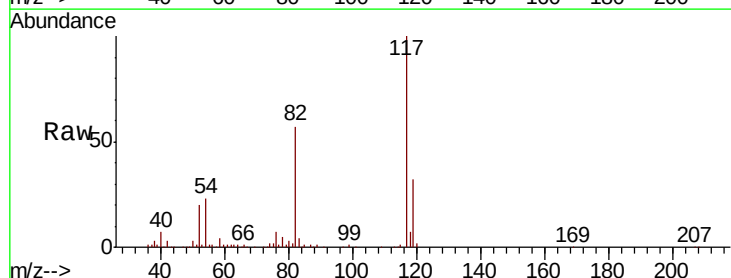
Instrument :
MSVOA_W
ClientSampleId :
BFB

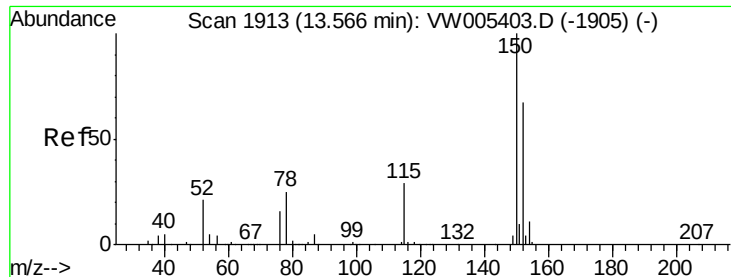
Tgt Ion: 95 Resp: 45214
Ion Ratio Lower Upper
95 100
174 77.5 0.0 161.2
176 73.3 0.0 156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Tgt Ion: 117 Resp: 162726
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 32.3 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

BFB

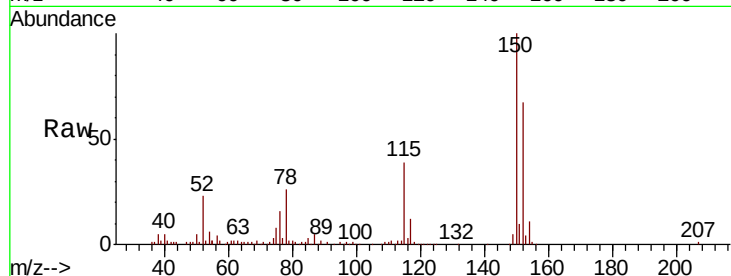
Tgt Ion:152 Resp: 43290

Ion Ratio Lower Upper

152 100

115 59.8 29.5 88.5

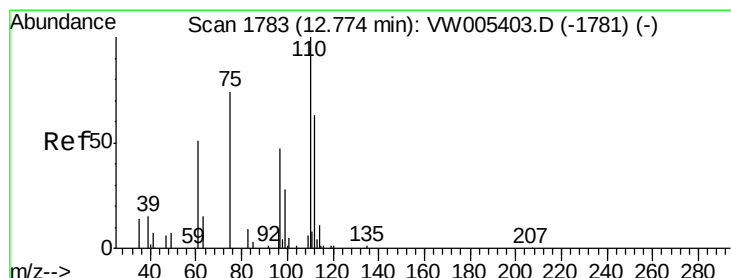
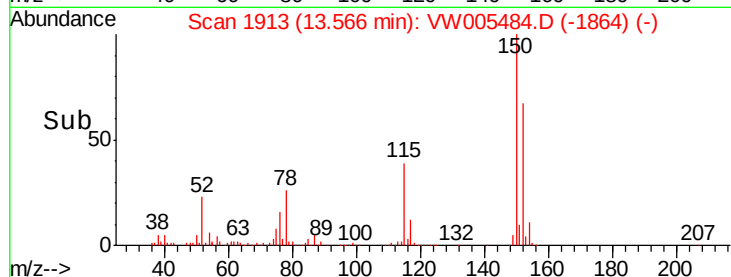
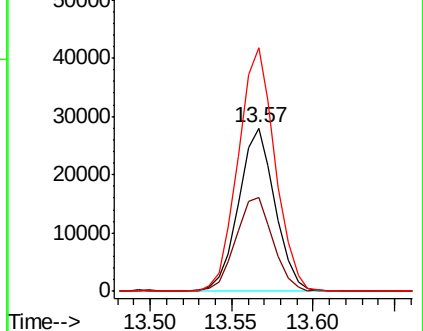
150 152.3 0.0 345.6



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: 62.612 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005484.D

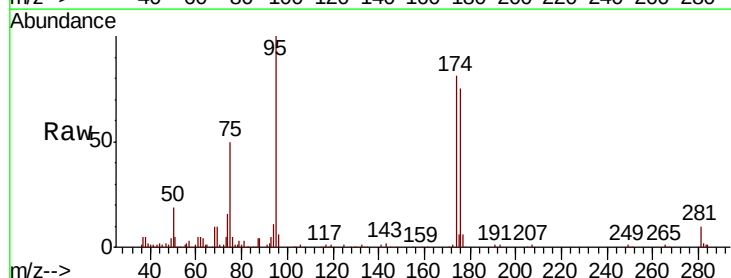
Acq: 18 Sep 2018 17:31

Tgt Ion: 75 Resp: 22293

Ion Ratio Lower Upper

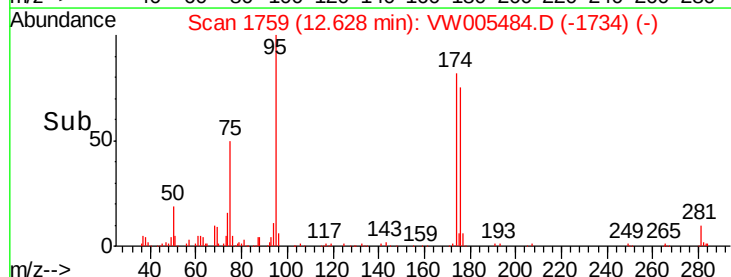
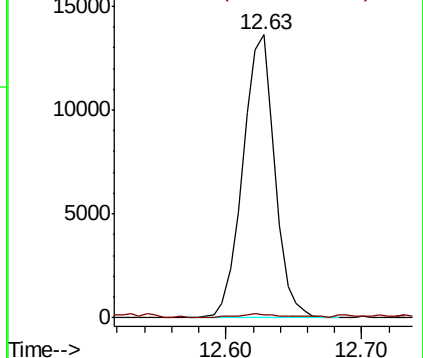
75 100

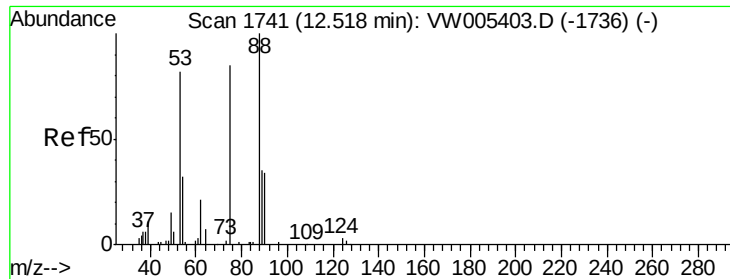
77 1.9 0.0 0.0#



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: 162.419 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

BFB

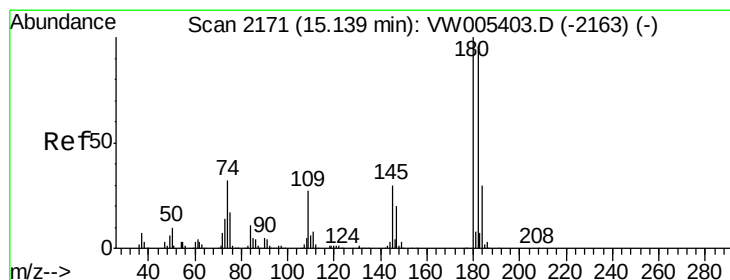
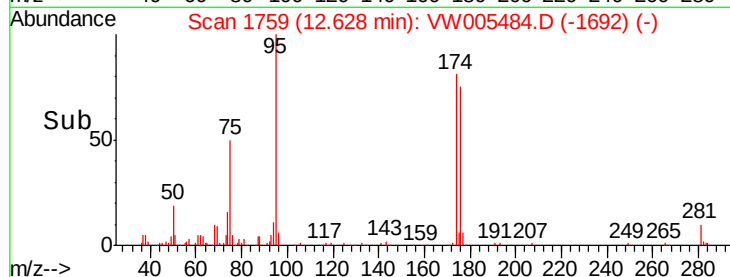
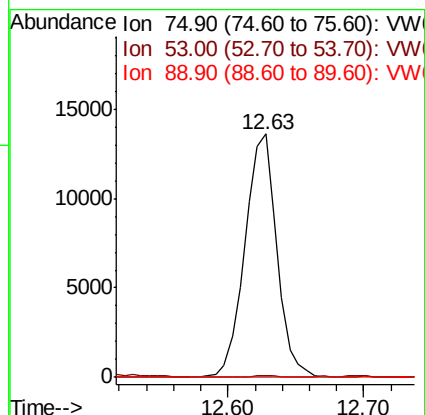
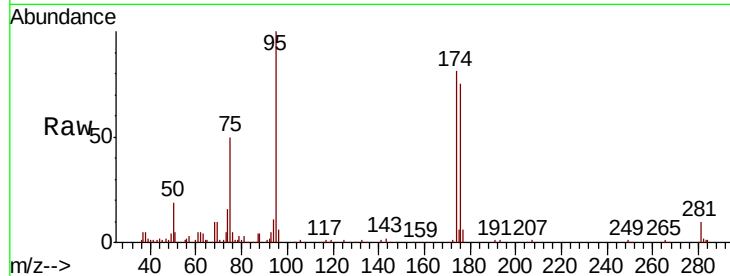
Tgt Ion: 75 Resp: 22293

Ion Ratio Lower Upper

75 100

53 0.4 83.2 124.8#

89 0.0 36.6 54.8#



#93

1,2,4-Trichlorobenzene

Concen: 1.385 ug/l

RT: 14.96 min Scan# 2142

Delta R.T. -0.18 min

Lab File: VW005484.D

Acq: 18 Sep 2018 17:31

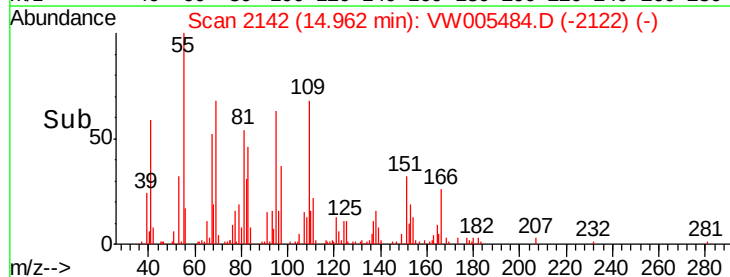
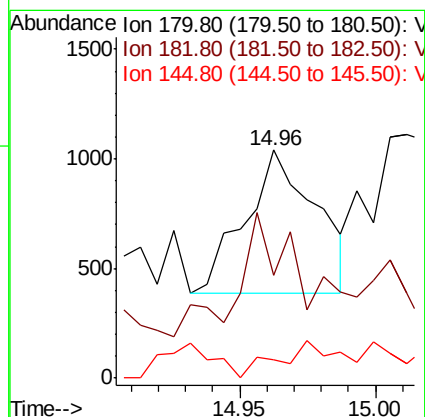
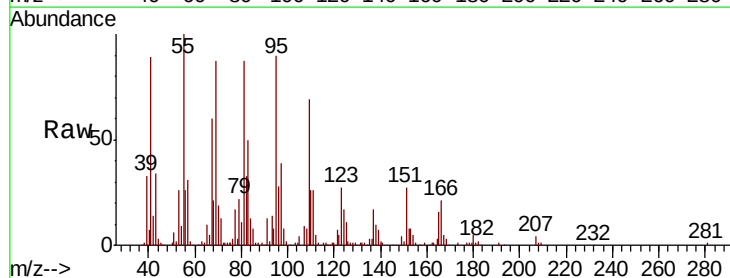
Tgt Ion: 180 Resp: 1176

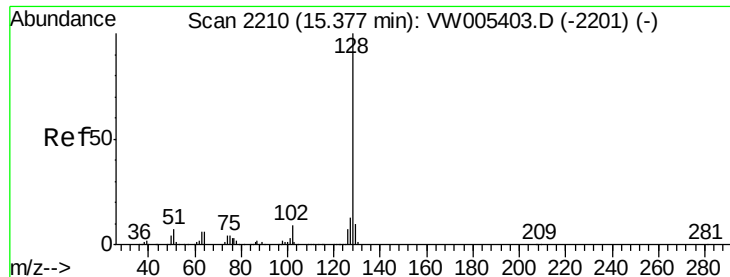
Ion Ratio Lower Upper

180 100

182 82.7 47.3 141.9

145 22.4 14.8 44.3

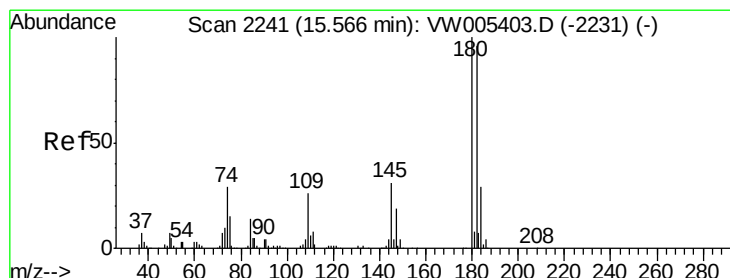
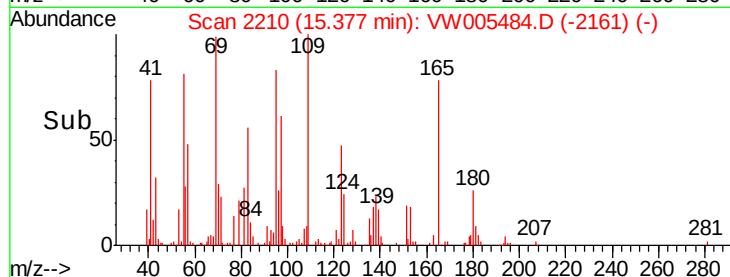
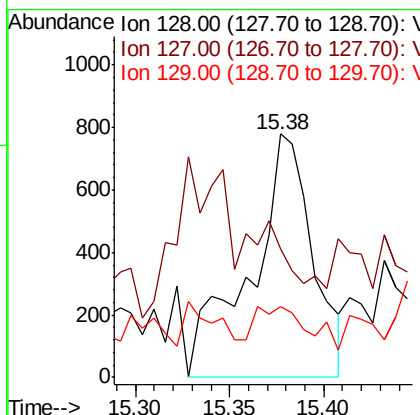
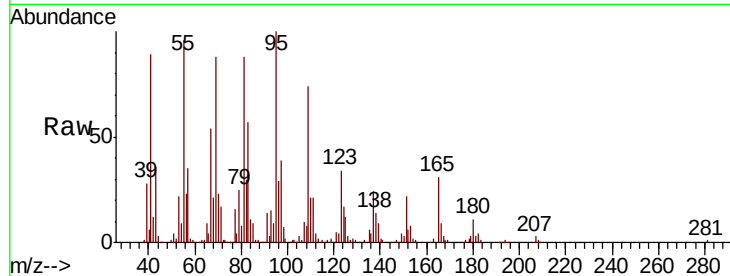




#95
Naphthalene
Concen: 1.262 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 1785
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 16.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 38.429 ug/l
RT: 15.59 min Scan# 2245
Delta R.T. 0.02 min
Lab File: VW005484.D
Acq: 18 Sep 2018 17:31

Tgt Ion:180 Resp: 28479
Ion Ratio Lower Upper
180 100
182 3.4 48.1 144.4#
145 0.0 15.9 47.7#

