

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010431.D
 Acq On : 18 May 2019 01:25
 Operator : SY/VA
 Sample : K2845-01
 Misc : 5.15G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FEBH-01

Quant Time: May 18 01:47:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	638542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1185537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1028779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	433757	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	390883	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	
35) Dibromofluoromethane	7.88	113	370545	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.32	98	1452636	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	527813	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	

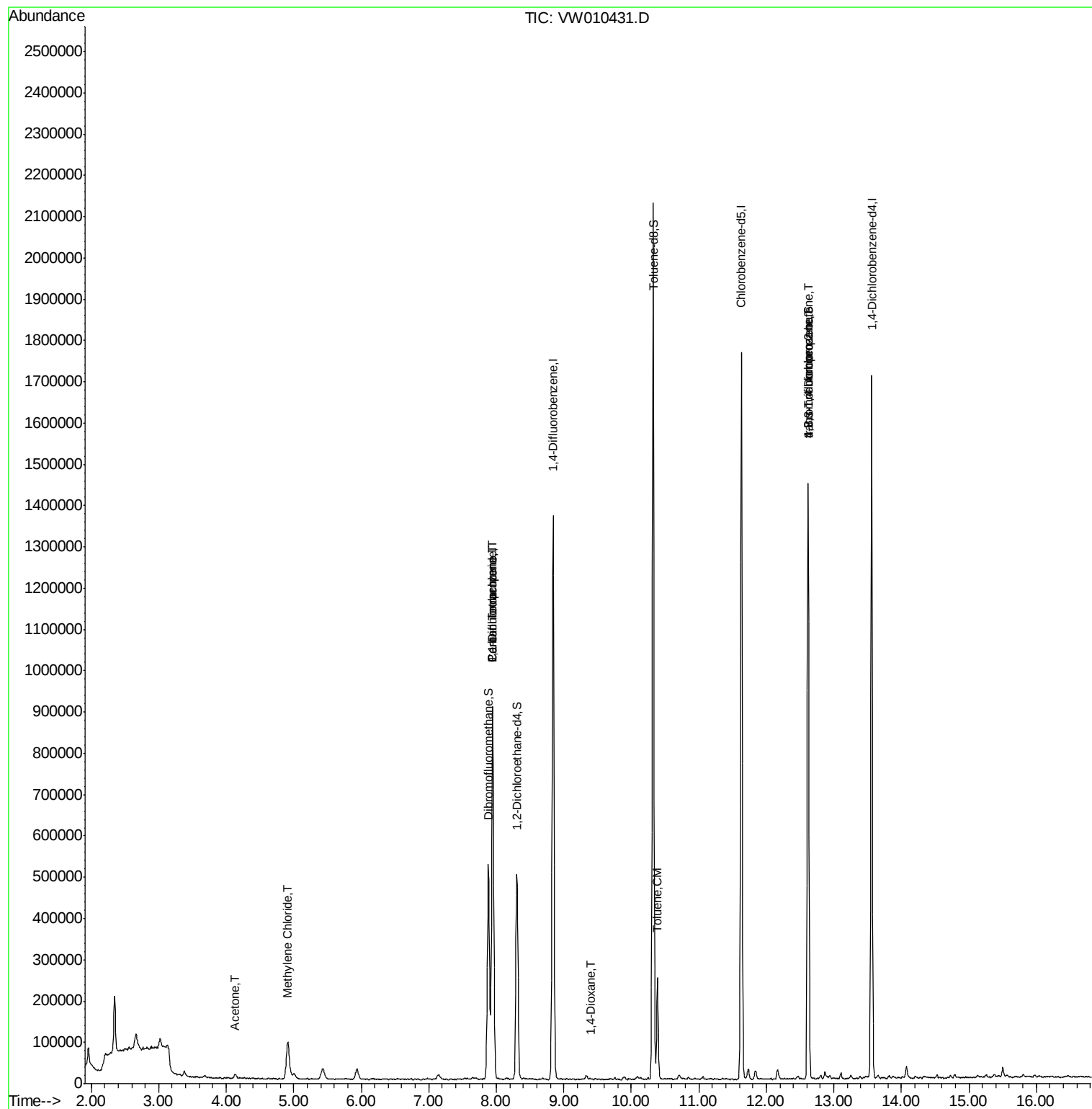
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	469	Below Cal	#	42
3) Chloromethane	2.20	50	1674	Below Cal	#	88
5) Bromomethane	2.77	94	1461	Below Cal	#	30
13) Acrolein	3.90	56	142	Below Cal	#	1
16) Acetone	4.13	43	17586	14.256	ug/l	94
20) Methylene Chloride	4.91	84	72051	7.911	ug/l	94
31) Cyclohexane	7.95	56	16251	Below Cal	#	21
36) 1,1-Dichloropropene	7.95	75	51482	4.905	ug/l #	49
38) Carbon Tetrachloride	7.95	117	69590	6.144	ug/l #	15
49) 1,4-Dioxane	9.41	88	68	1.061	ug/l #	1
52) Toluene	10.39	92	107496	5.403	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	257799	55.503	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	257799	109.526	ug/l #	14

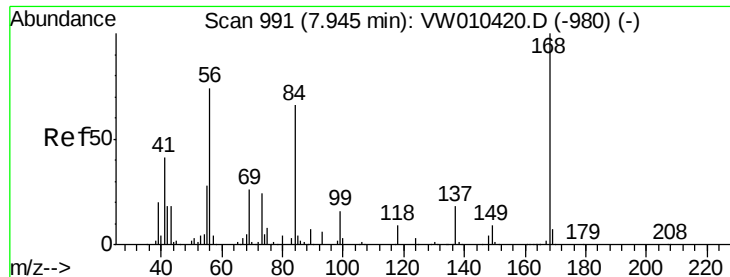
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

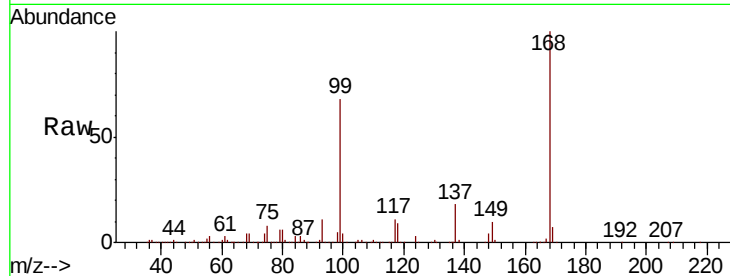
FEBH-01

Tgt Ion:168 Resp: 638542

Ion Ratio Lower Upper

168 100

99 68.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

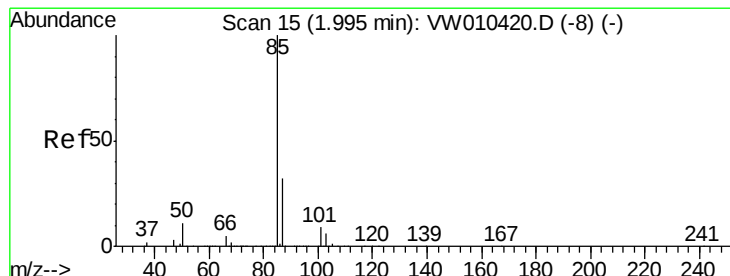
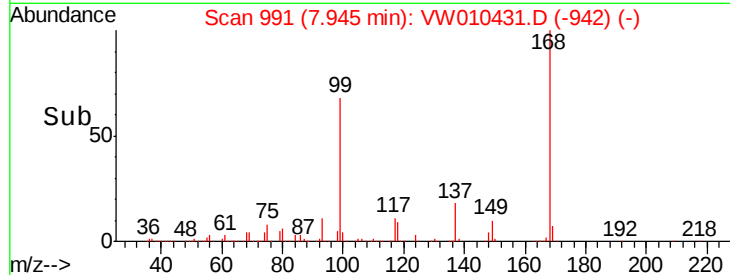
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010431.D

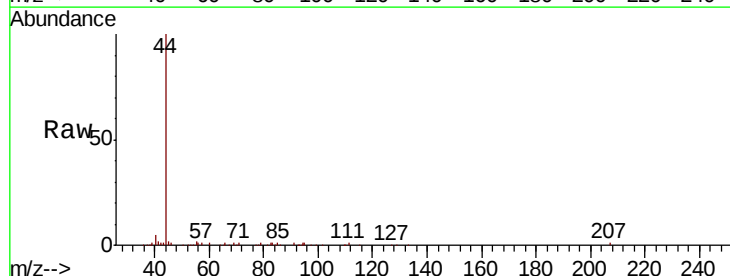
Acq: 18 May 2019 01:25

Tgt Ion: 85 Resp: 469

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

500

400

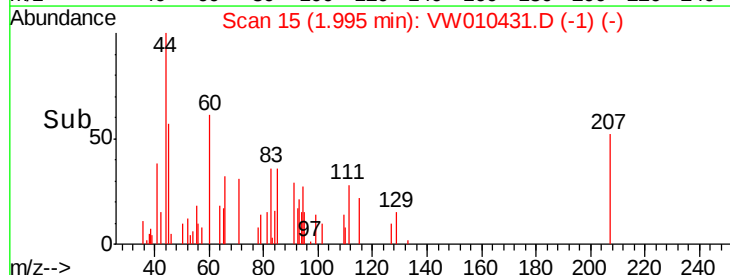
300

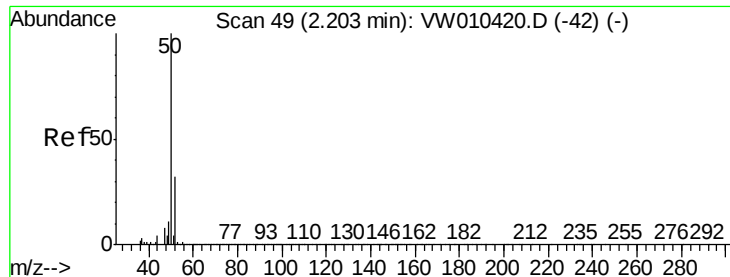
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. 0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

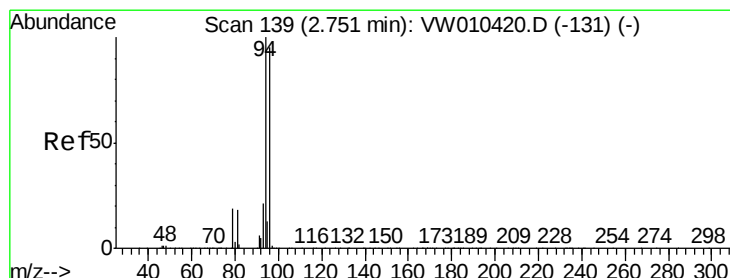
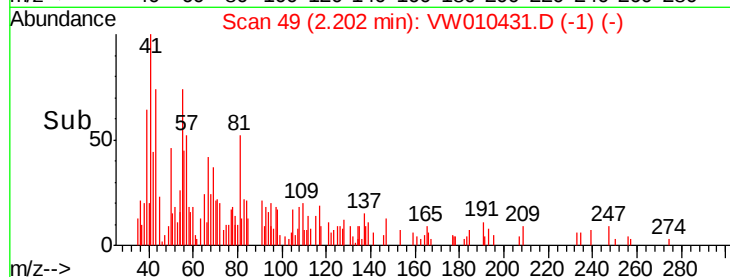
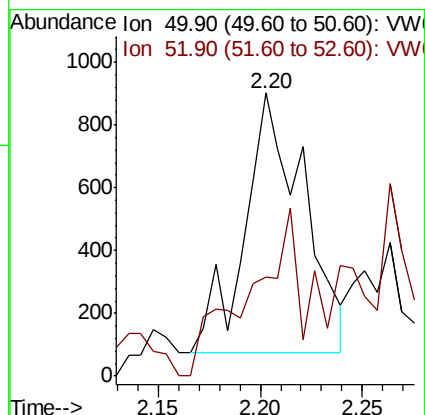
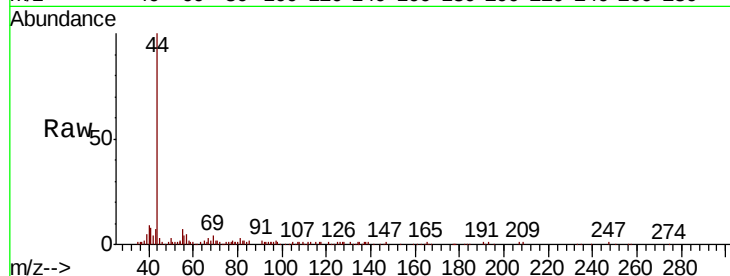
FEBH-01

Tgt Ion: 50 Resp: 1674

Ion Ratio Lower Upper

50 100

52 38.4 25.4 38.0#



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.02 min

Lab File: VW010431.D

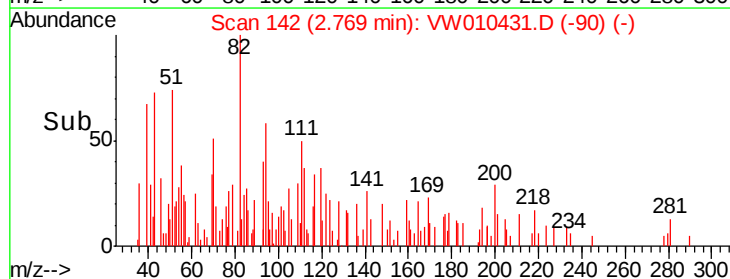
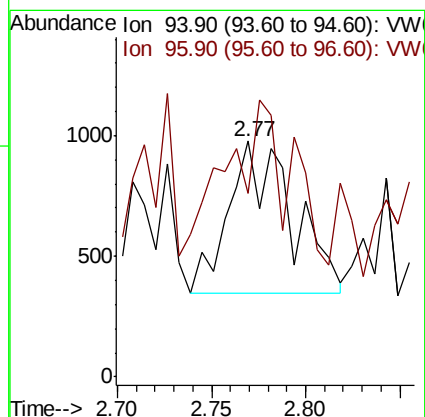
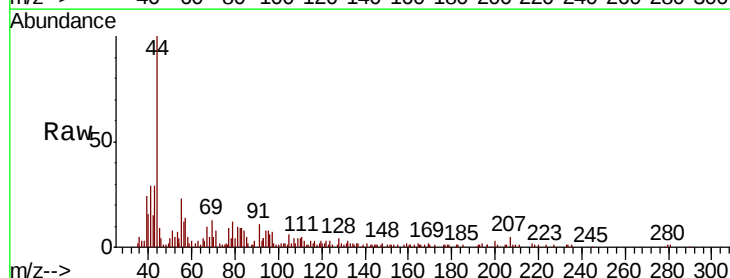
Acq: 18 May 2019 01:25

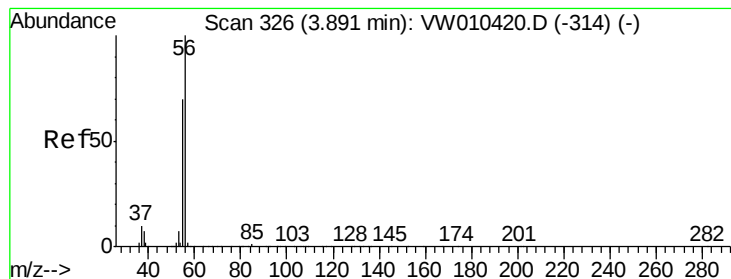
Tgt Ion: 94 Resp: 1461

Ion Ratio Lower Upper

94 100

96 26.9 75.8 113.6#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampled :

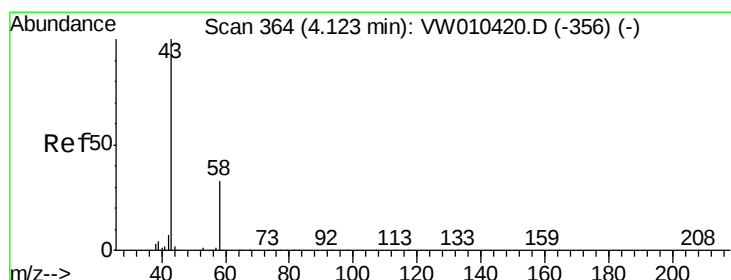
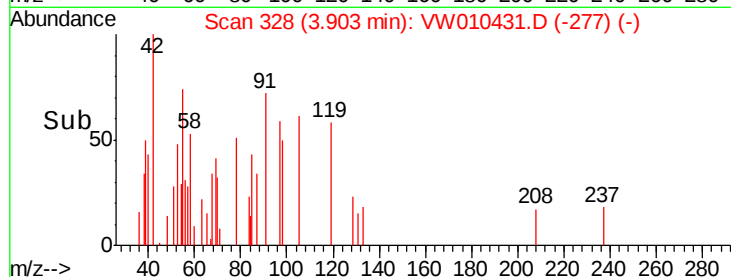
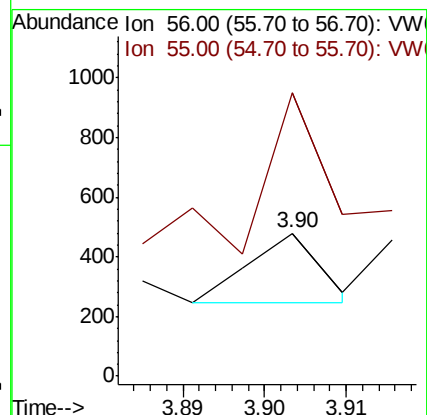
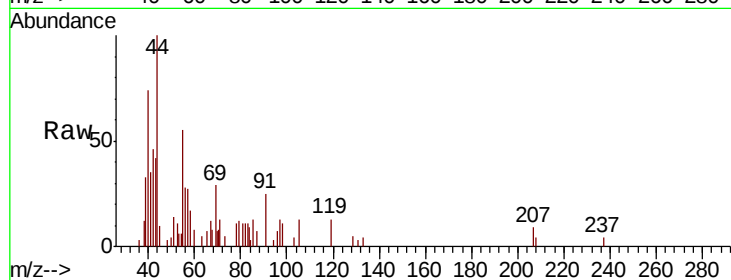
FEBH-01

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 261.3 57.6 86.4#



#16

Acetone

Concen: 14.256 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010431.D

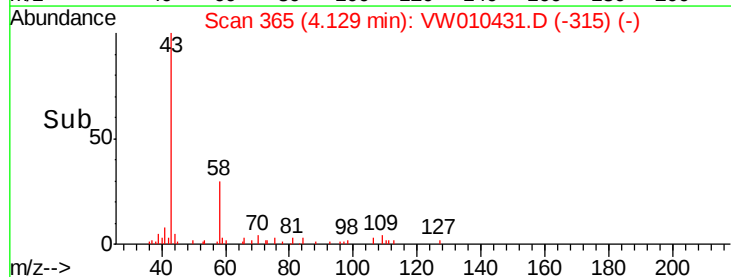
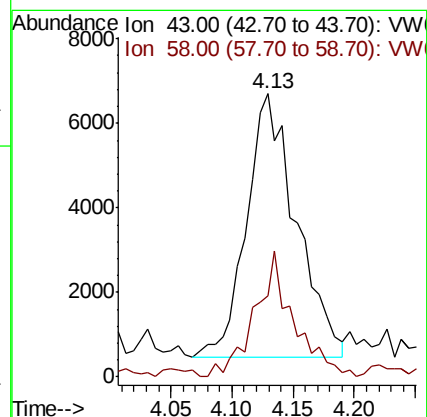
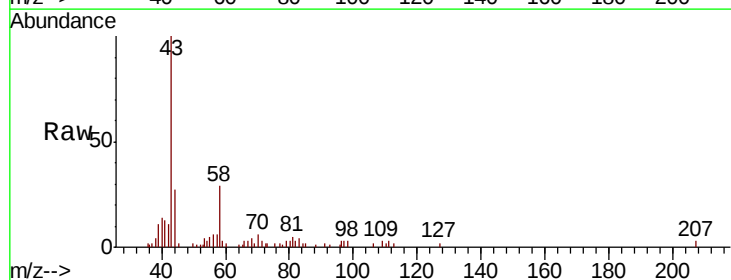
Acq: 18 May 2019 01:25

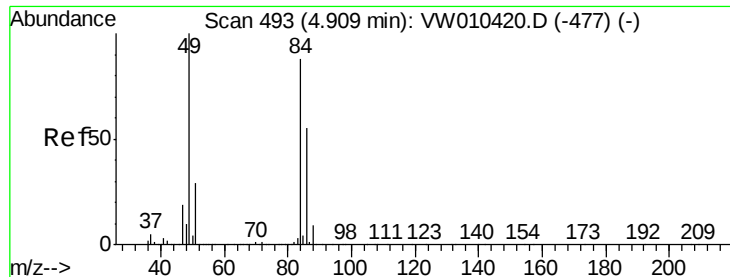
Tgt Ion: 43 Resp: 17586

Ion Ratio Lower Upper

43 100

58 29.0 26.0 39.0

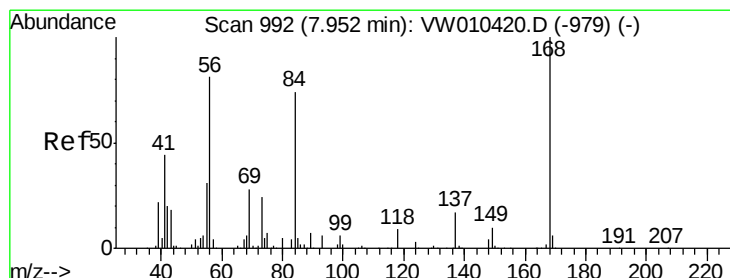
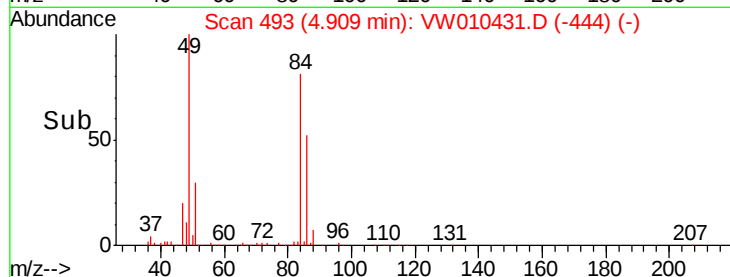
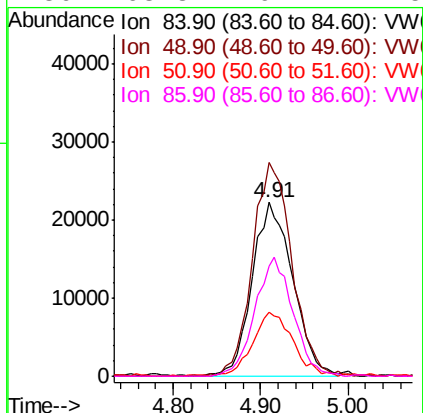
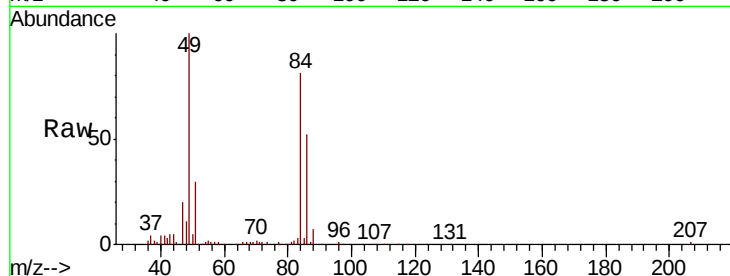




#20
Methylene Chloride
Concen: 7.911 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010431.D
Acq: 18 May 2019 01:25

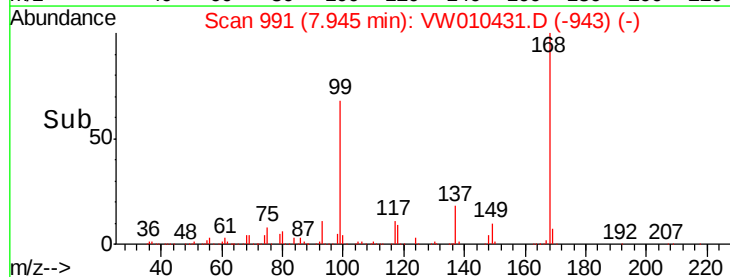
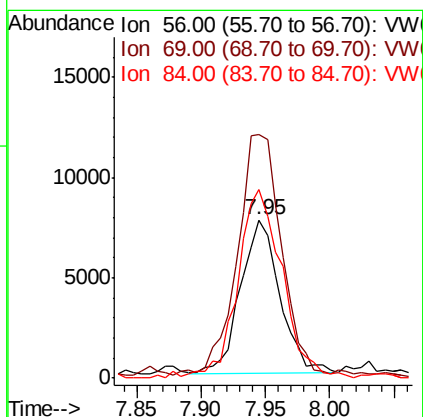
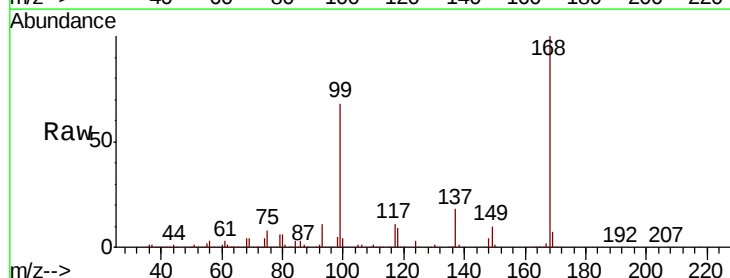
Instrument :
MSVOA_W
ClientSampleId :
FEBH-01

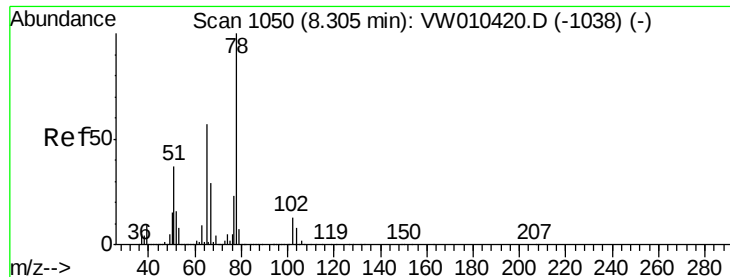
Tgt Ion:	84	Resp:	72051
Ion	Ratio	Lower	Upper
84	100		
49	122.9	90.6	135.8
51	36.9	26.6	40.0
86	63.3	49.7	74.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010431.D
Acq: 18 May 2019 01:25

Tgt Ion:	56	Resp:	16251
Ion	Ratio	Lower	Upper
56	100		
69	153.9	27.6	41.4#
84	120.4	72.9	109.3#





#33

1,2-Dichloroethane-d4

Concen: 55.816 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

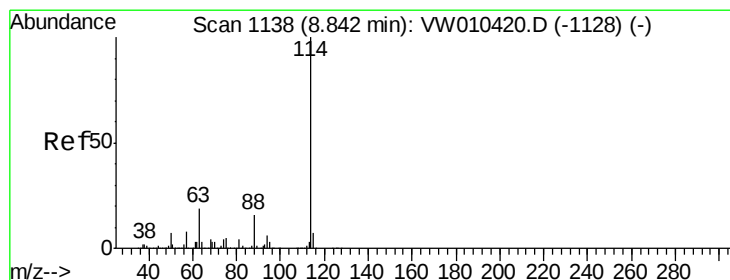
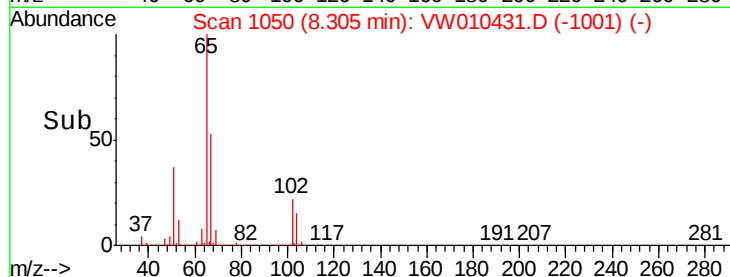
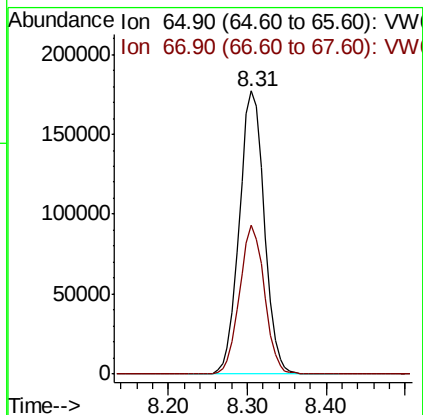
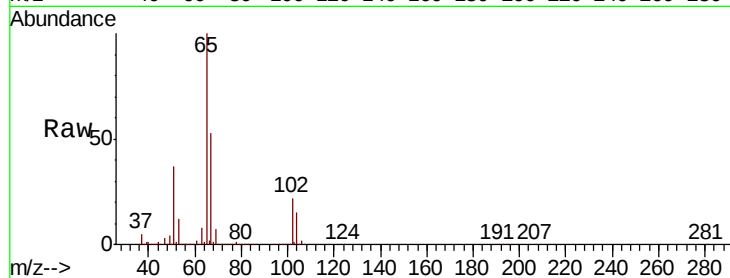
FEBH-01

Tgt Ion: 65 Resp: 390883

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

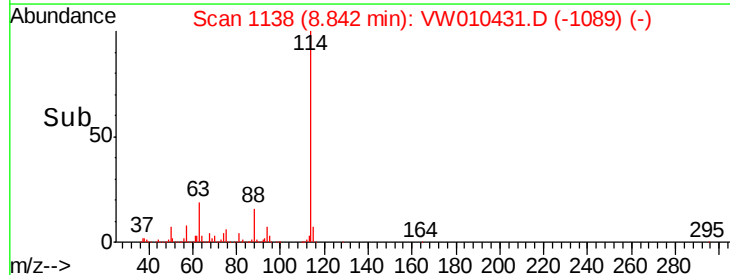
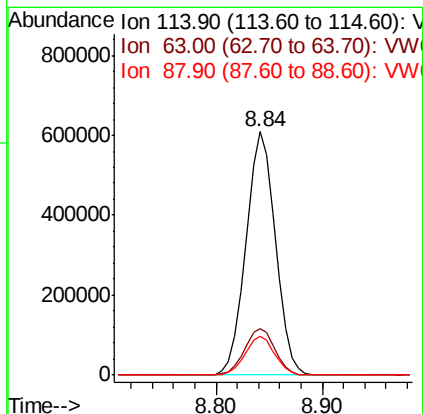
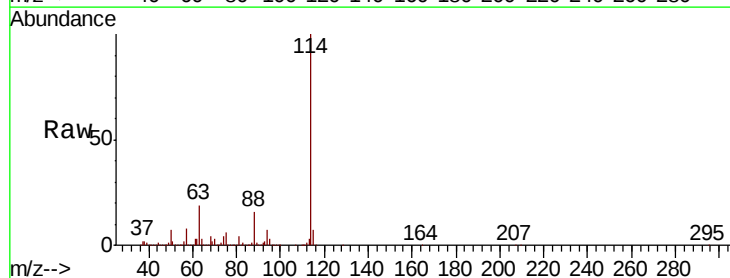
Tgt Ion: 114 Resp: 1185537

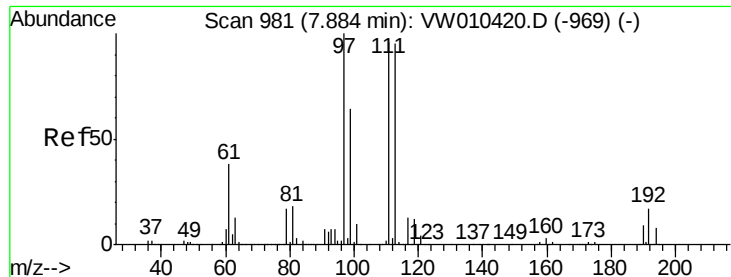
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.606 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

FEBH-01

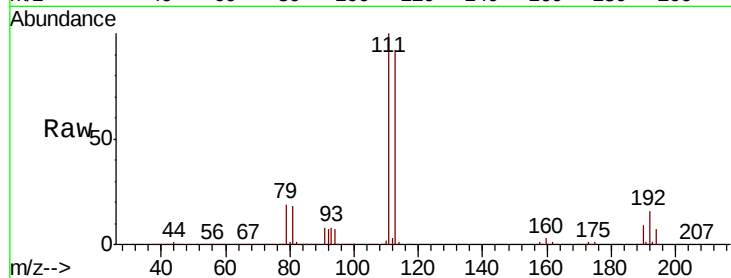
Tgt Ion:113 Resp: 370545

Ion Ratio Lower Upper

113 100

111 105.7 82.5 123.7

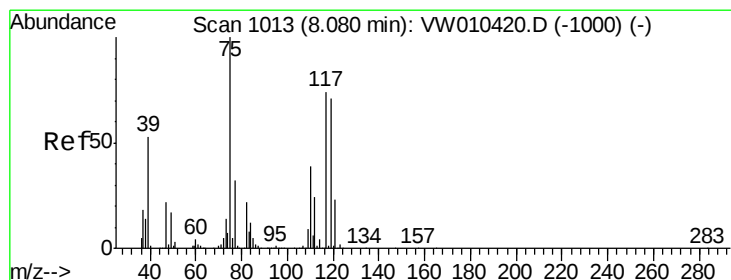
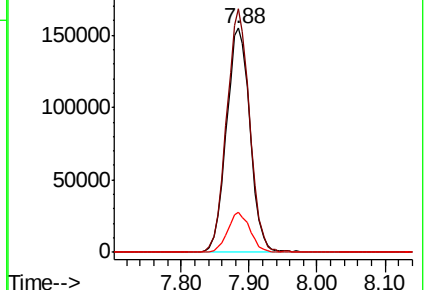
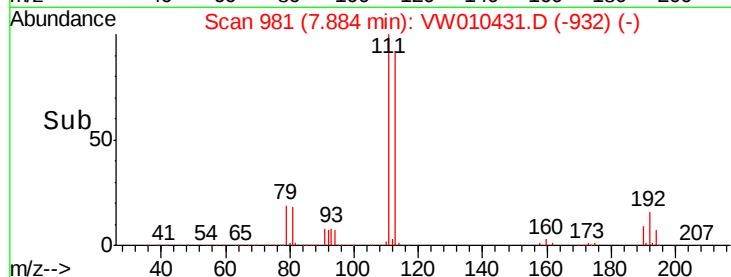
192 17.1 14.2 21.4



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: 4.905 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

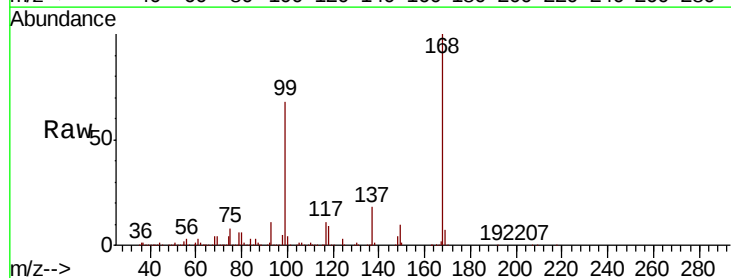
Tgt Ion: 75 Resp: 51482

Ion Ratio Lower Upper

75 100

110 9.5 19.4 58.1#

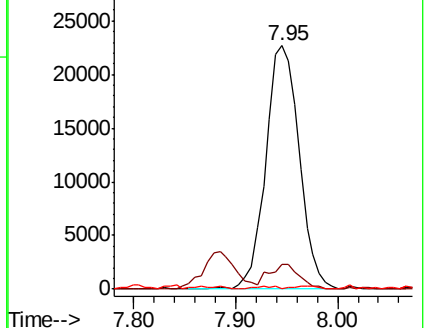
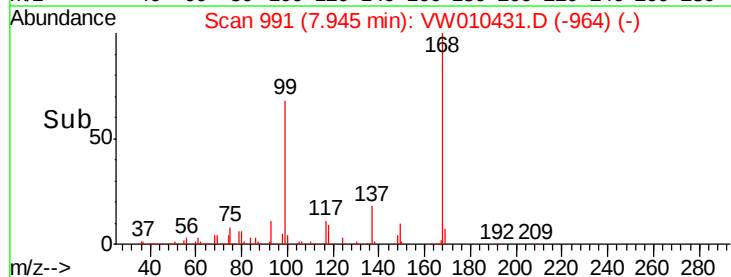
77 0.7 24.7 37.1#

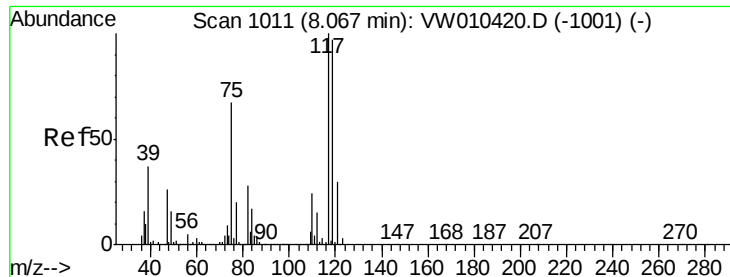


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.144 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

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FEBH-01

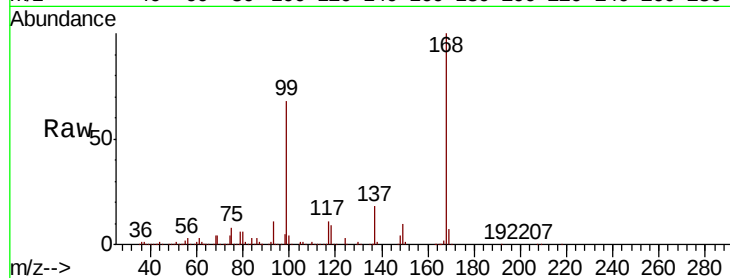
Tgt Ion:117 Resp: 69590

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.6#

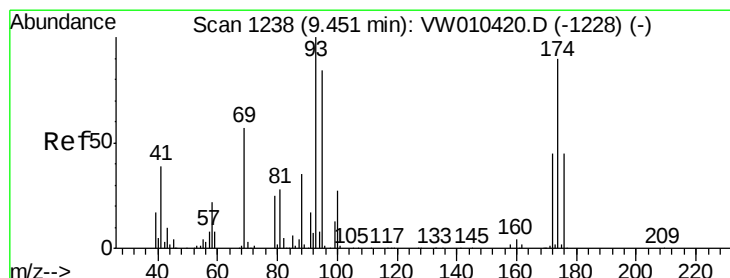
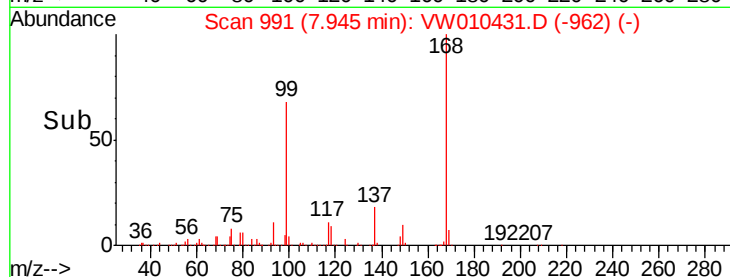
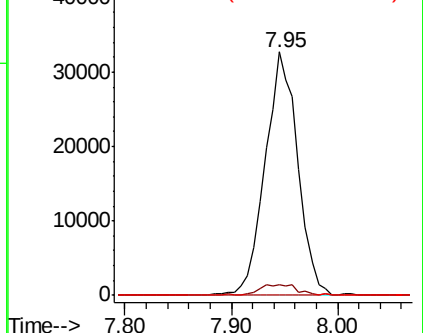
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.061 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.04 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

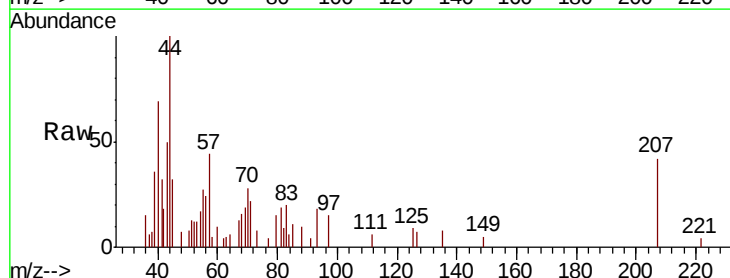
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 24.9 37.3#

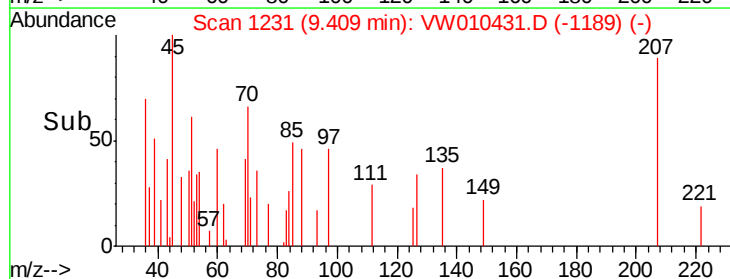
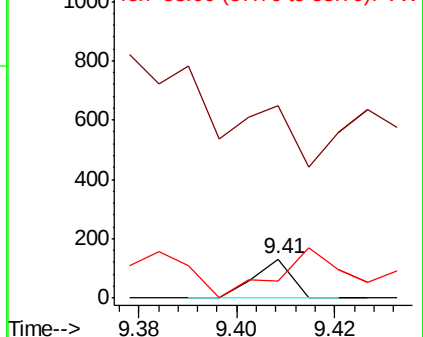
58 235.3 55.0 82.6#

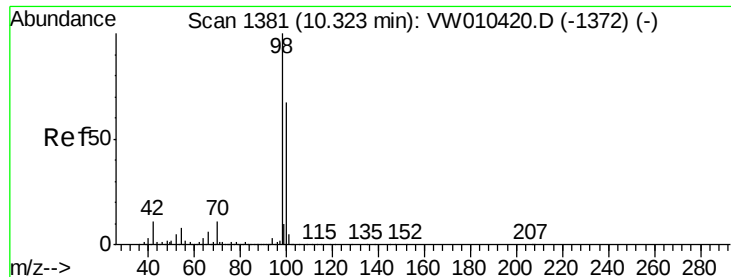


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.200 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

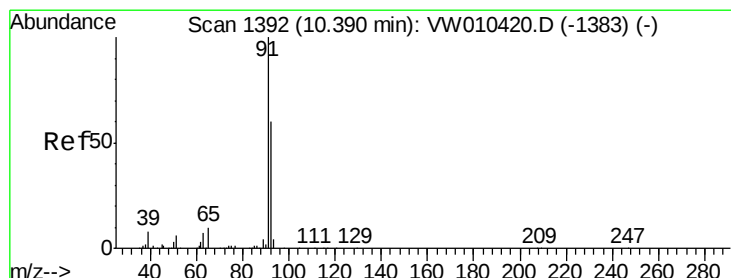
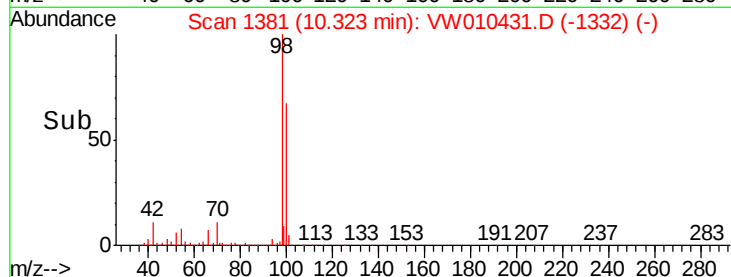
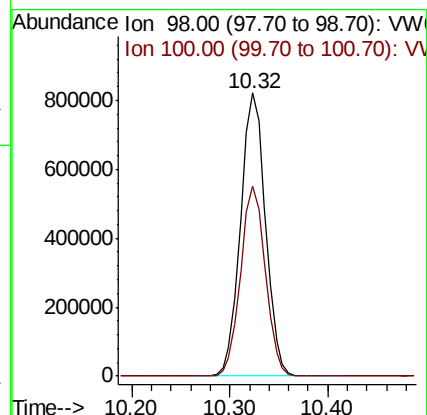
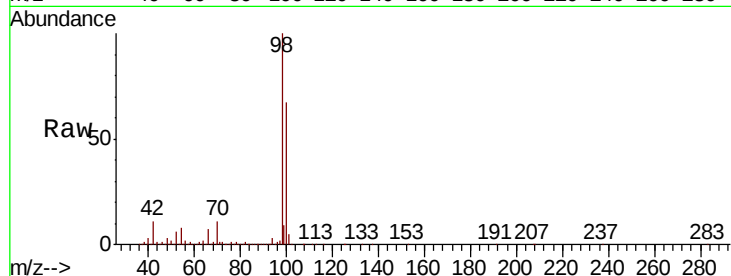
FEBH-01

Tgt Ion: 98 Resp: 1452636

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9



#52

Toluene

Concen: 5.403 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010431.D

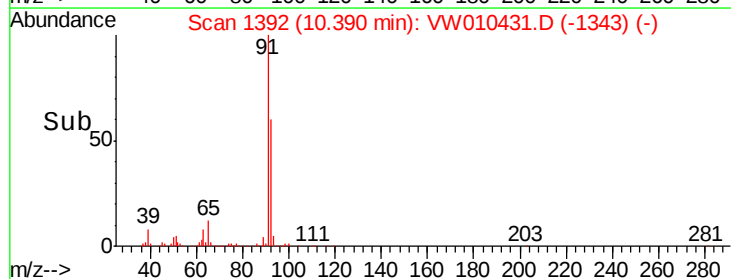
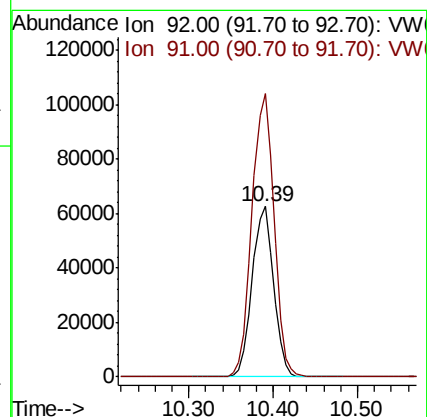
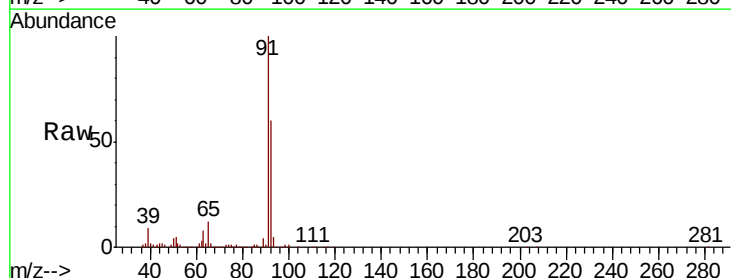
Acq: 18 May 2019 01:25

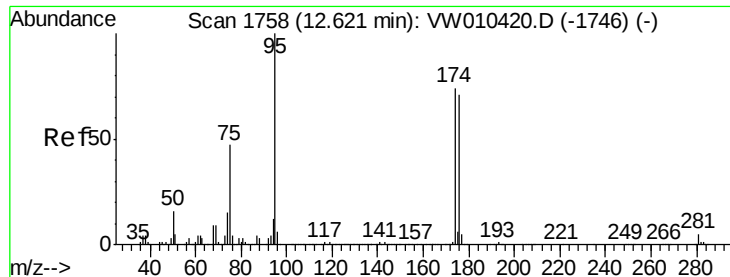
Tgt Ion: 92 Resp: 107496

Ion Ratio Lower Upper

92 100

91 170.4 135.4 203.0

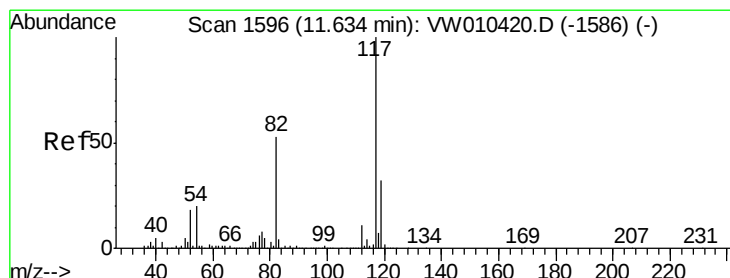
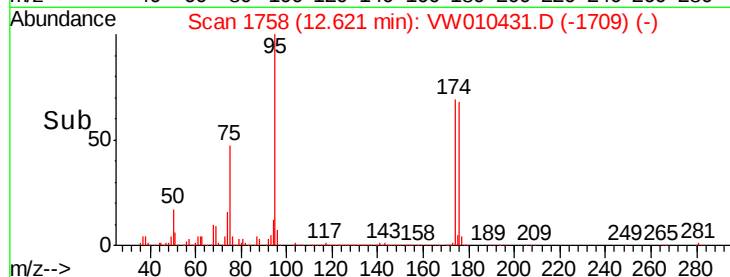
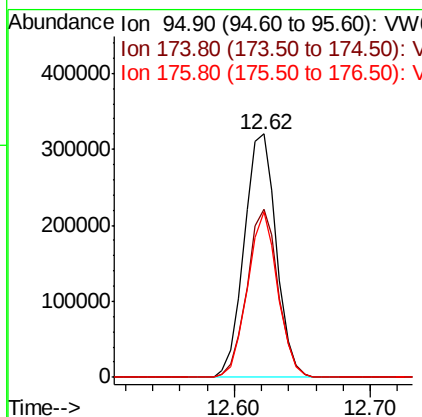
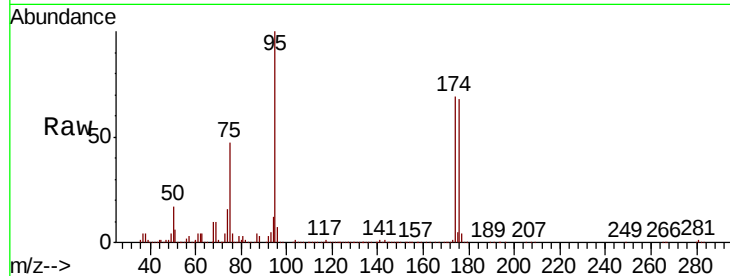




#62
4-Bromofluorobenzene
Concen: 49.235 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010431.D
Acq: 18 May 2019 01:25

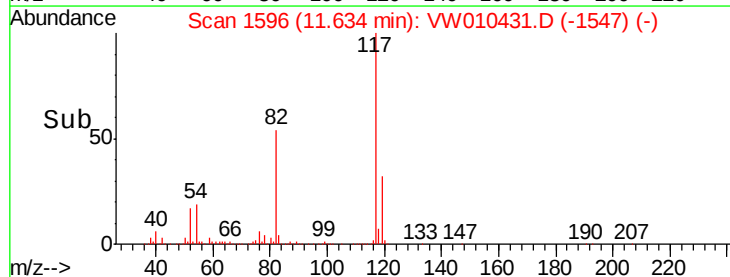
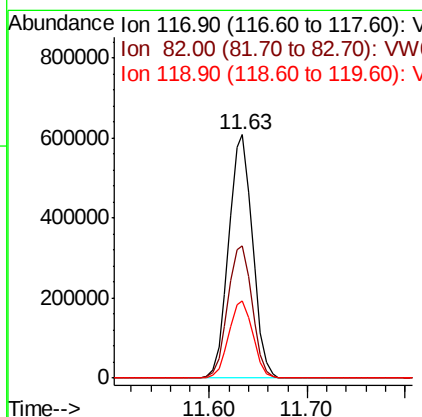
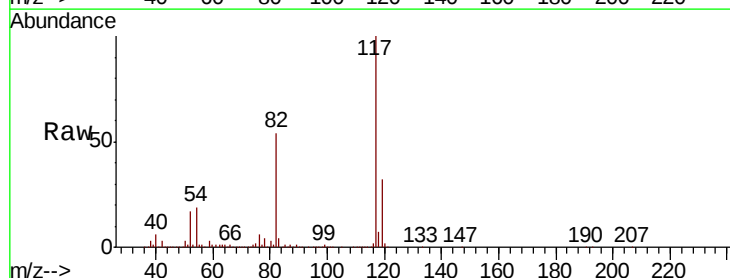
Instrument :
MSVOA_W
ClientSampleId :
FEBH-01

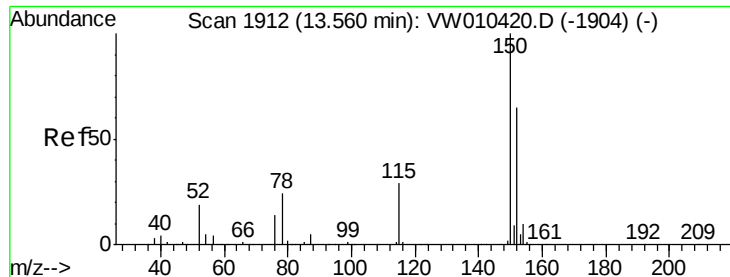
Tgt Ion: 95 Resp: 527813
Ion Ratio Lower Upper
95 100
174 67.4 0.0 146.6
176 64.2 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010431.D
Acq: 18 May 2019 01:25

Tgt Ion: 117 Resp: 1028779
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampled :

FEBH-01

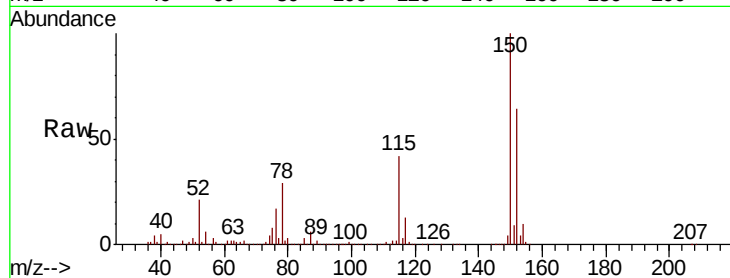
Tgt Ion:152 Resp: 433757

Ion Ratio Lower Upper

152 100

115 64.9 30.0 90.1

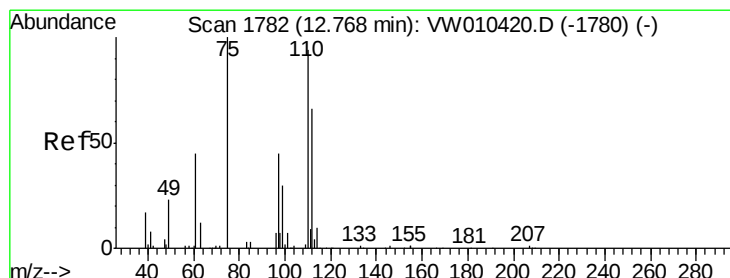
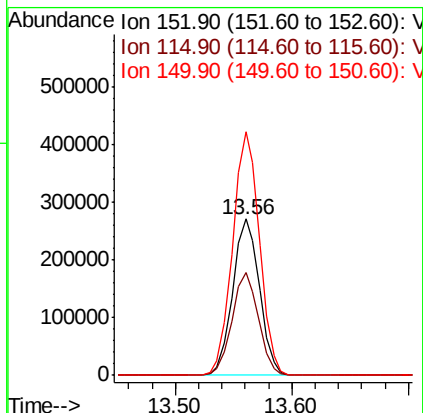
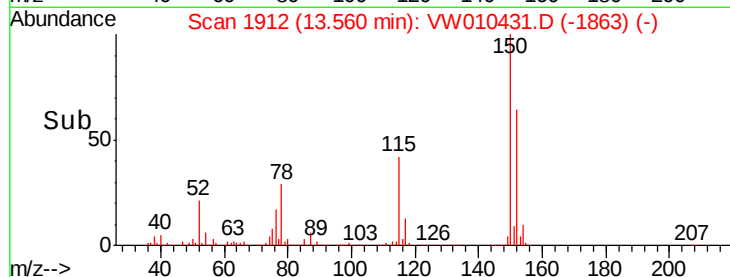
150 155.7 0.0 350.2



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: 55.503 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010431.D

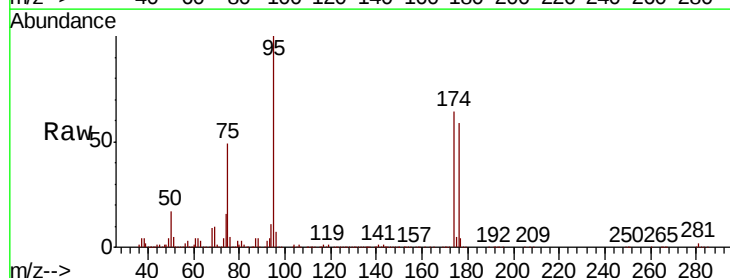
Acq: 18 May 2019 01:25

Tgt Ion: 75 Resp: 257799

Ion Ratio Lower Upper

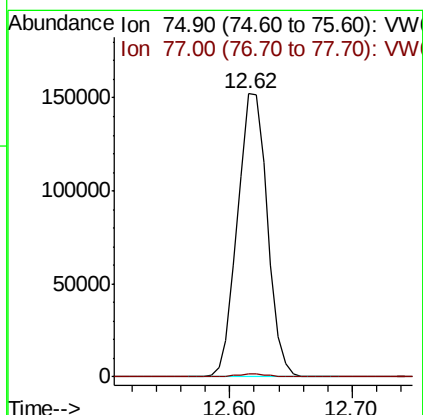
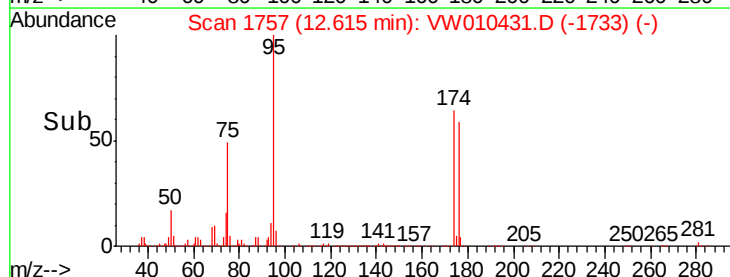
75 100

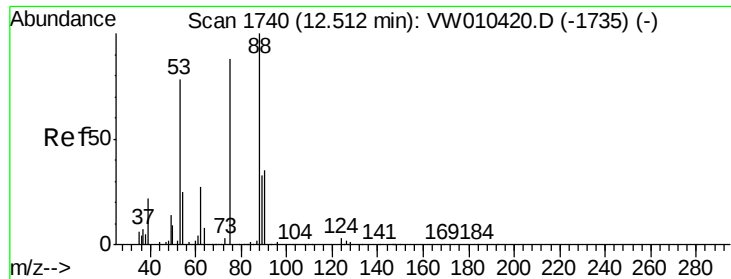
77 1.1 0.0 0.0#



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: 109.526 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010431.D

Acq: 18 May 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

FEBH-01

Tgt Ion: 75 Resp: 257799

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

89 0.0 38.6 58.0#

