

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010434.D
 Acq On : 18 May 2019 02:46
 Operator : SY/VA
 Sample : K2873-01
 Misc : 5.58G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FEBH-09(39-39.5)

Quant Time: May 18 05:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 18 01:59:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	647209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1216062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1054024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	451740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	399013	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
35) Dibromofluoromethane	7.88	113	388485	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.32	98	1475238	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	558523	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	

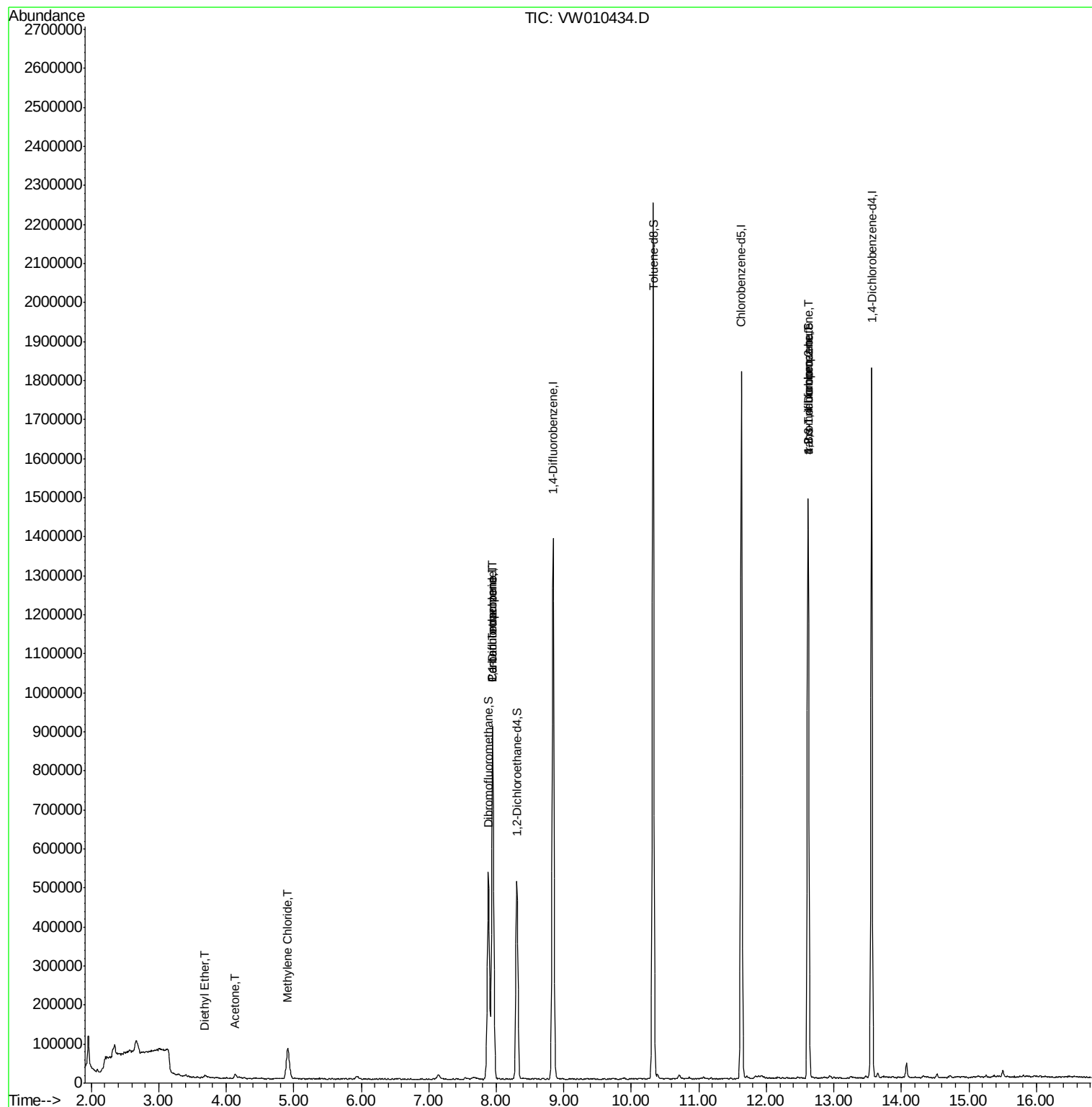
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	711	Below Cal	#	42
3) Chloromethane	2.21	50	2056	Below Cal	#	76
5) Bromomethane	2.74	94	721	Below Cal	#	52
8) Diethyl Ether	3.68	74	3911	1.022	ug/l	85
13) Acrolein	3.89	56	449	Below Cal	#	81
16) Acetone	4.14	43	18569	14.851	ug/l	90
20) Methylene Chloride	4.92	84	64435	6.492	ug/l	96
31) Cyclohexane	7.94	56	14534	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	53387	4.959	ug/l #	48
38) Carbon Tetrachloride	7.95	117	68355	5.883	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	268731	55.553	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	268731	109.626	ug/l #	14

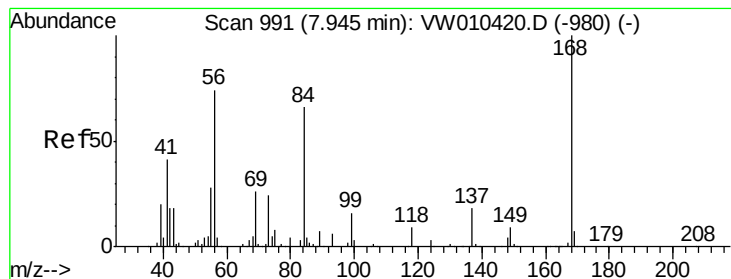
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

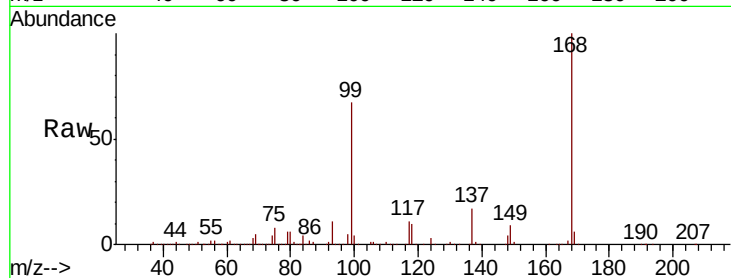
FEBH-09(39-39.5)

Tgt Ion:168 Resp: 647209

Ion Ratio Lower Upper

168 100

99 67.0 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

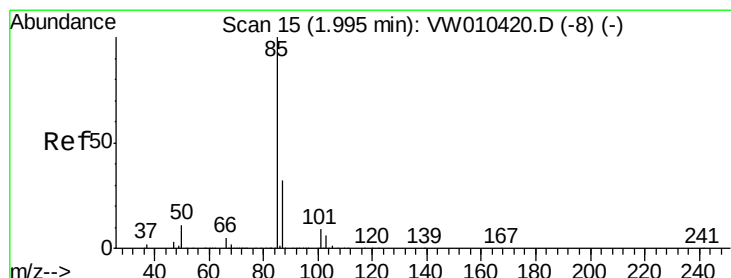
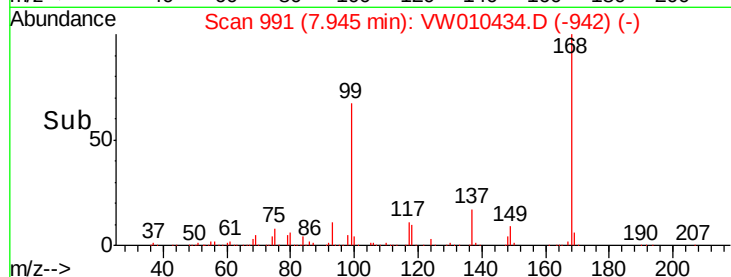
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010434.D

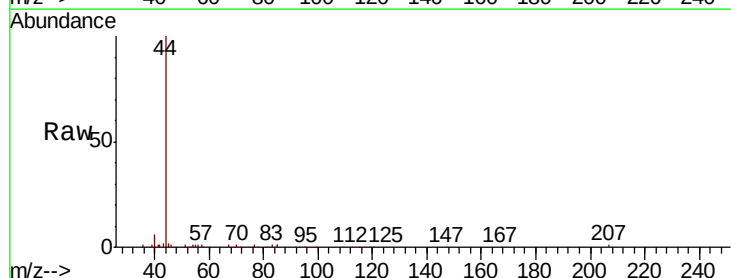
Acq: 18 May 2019 02:46

Tgt Ion: 85 Resp: 711

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

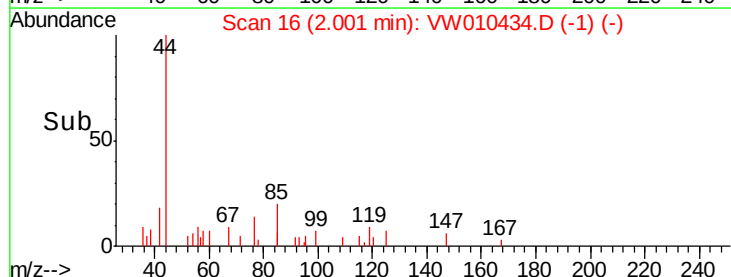
600

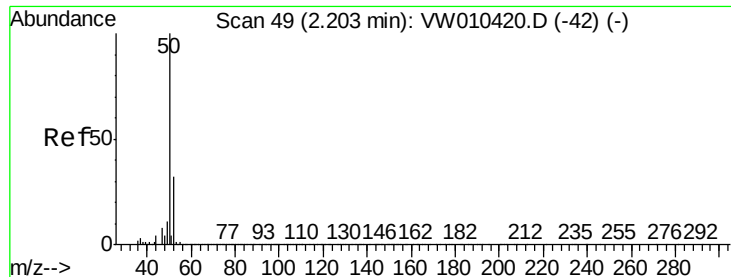
400

200

0

Time--> 1.95 2.00





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

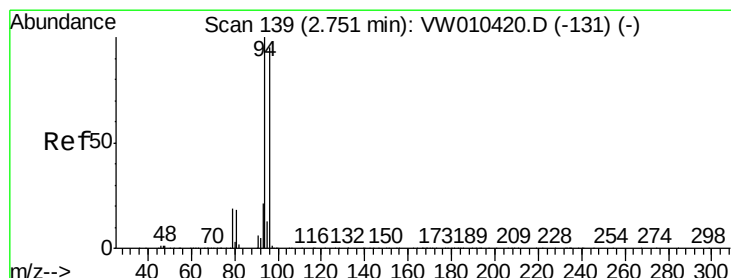
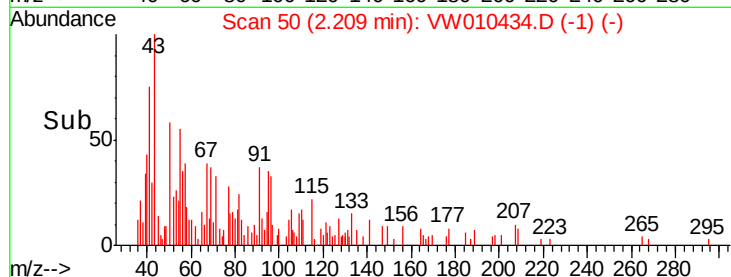
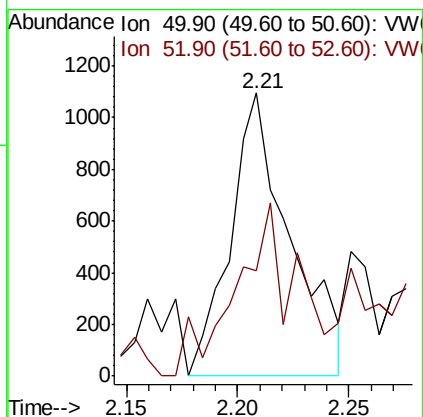
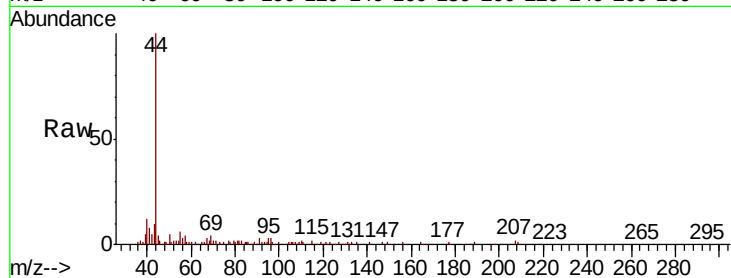
FEBH-09(39-39.5)

Tgt Ion: 50 Resp: 2056

Ion Ratio Lower Upper

50 100

52 18.4 25.4 38.0#



#5

Bromomethane

Concen: Below Cal

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010434.D

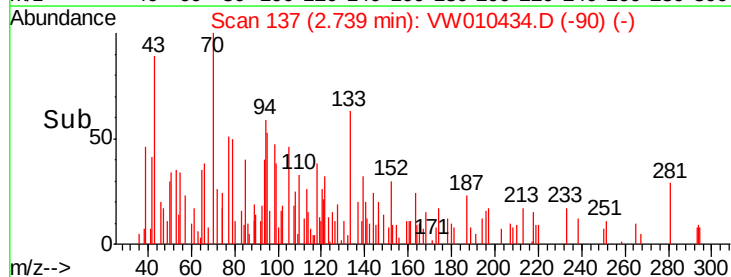
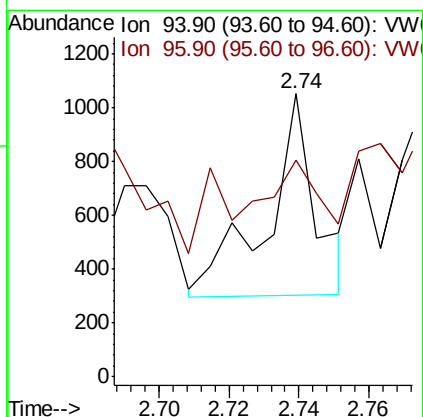
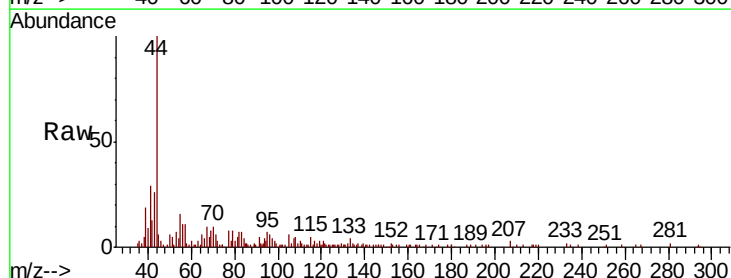
Acq: 18 May 2019 02:46

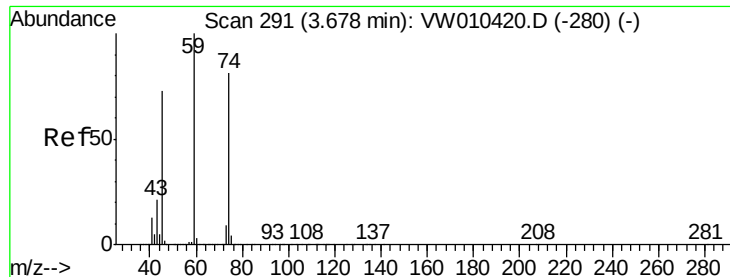
Tgt Ion: 94 Resp: 721

Ion Ratio Lower Upper

94 100

96 47.8 75.8 113.6#





#8

Diethyl Ether

Concen: 1.022 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

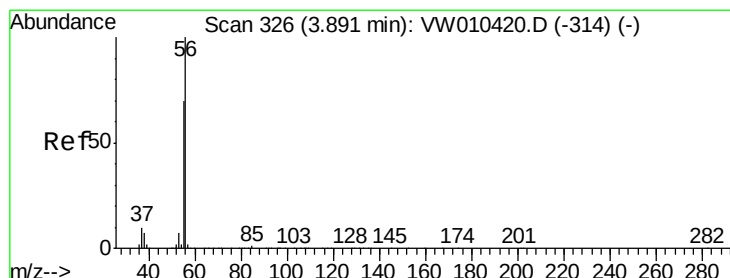
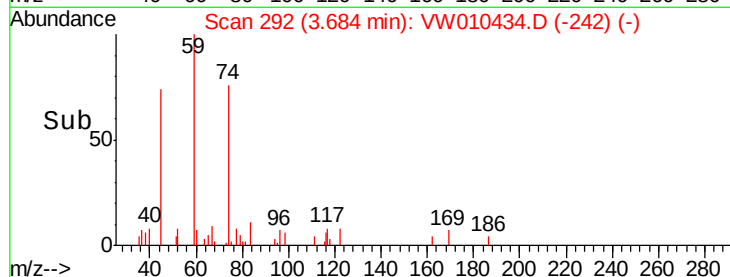
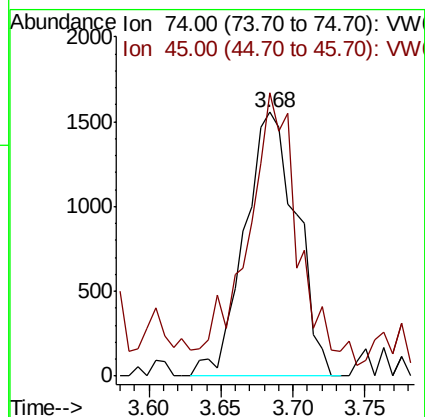
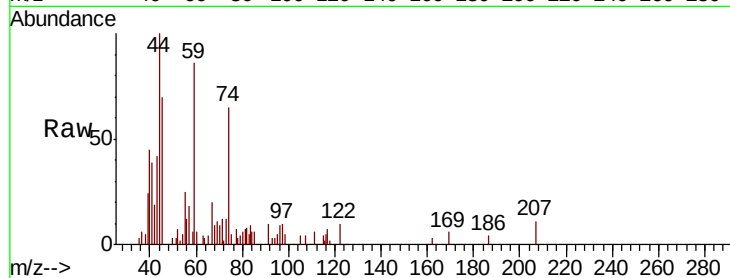
FEBH-09(39-39.5)

Tgt Ion: 74 Resp: 3911

Ion Ratio Lower Upper

74 100

45 100.6 43.4 130.2



#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010434.D

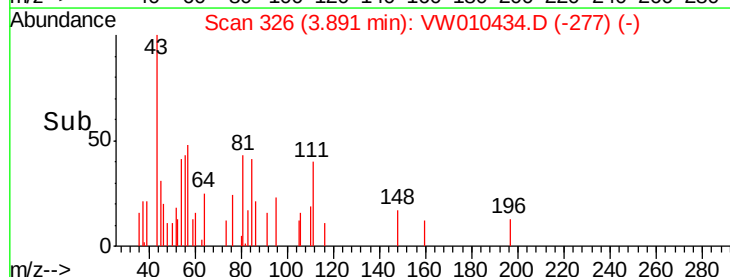
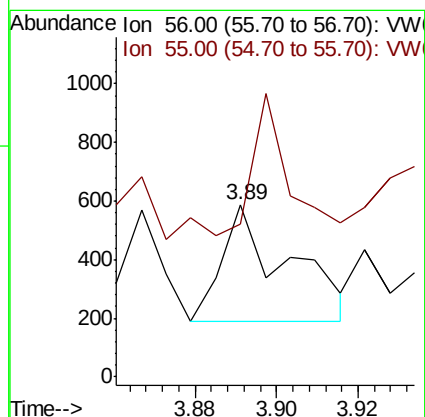
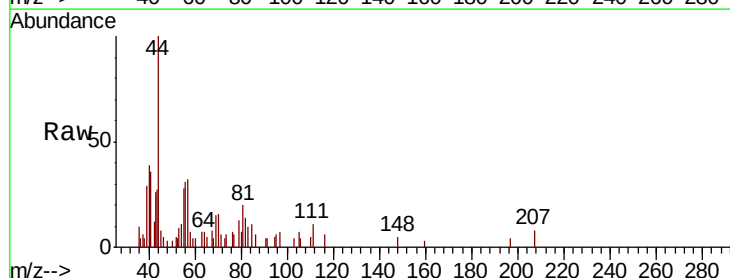
Acq: 18 May 2019 02:46

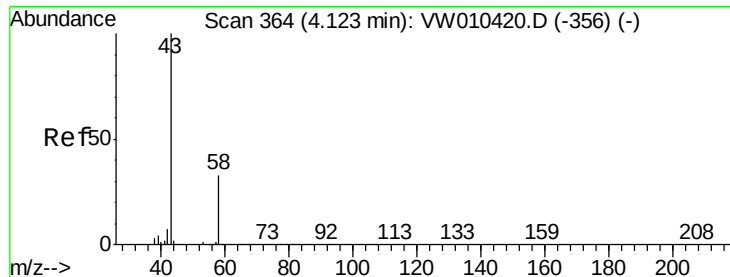
Tgt Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 88.0 57.6 86.4#

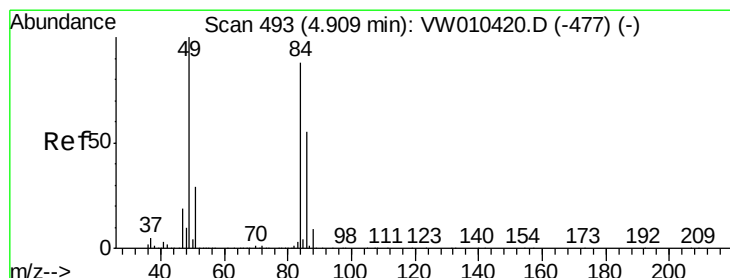
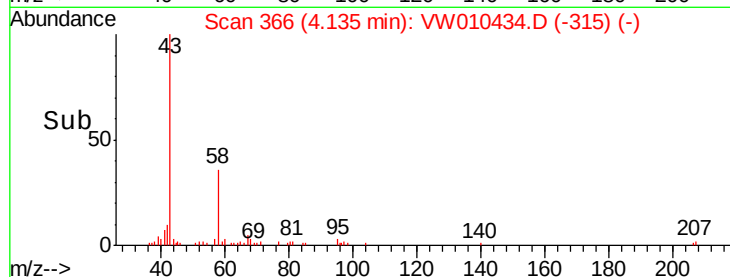
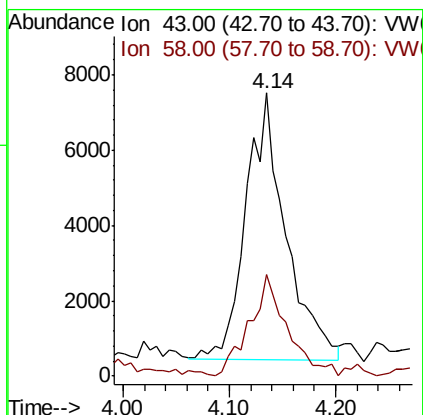
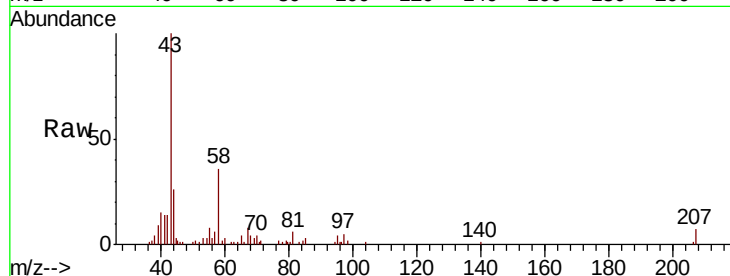




#16
Acetone
Concen: 14.851 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW010434.D
Acq: 18 May 2019 02:46

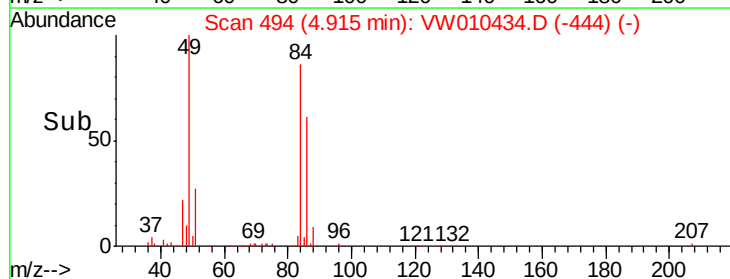
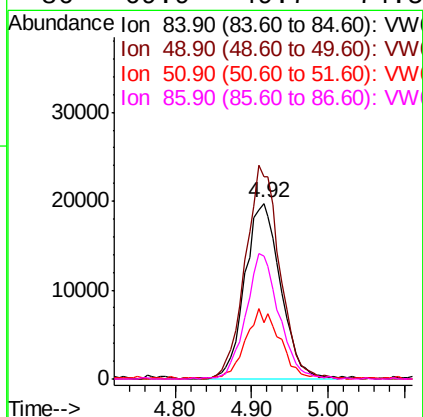
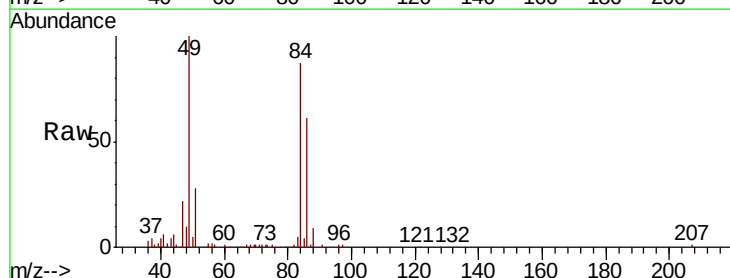
Instrument :
MSVOA_W
ClientSampleId :
FEBH-09(39-39.5)

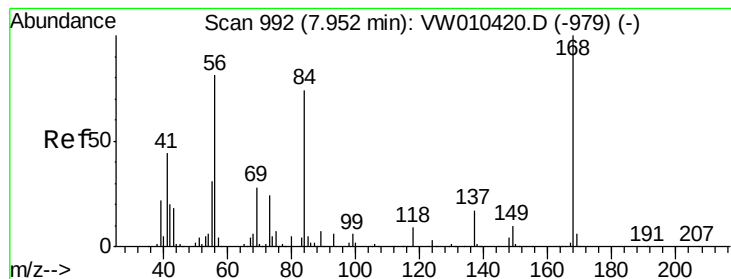
Tgt Ion: 43 Resp: 18569
Ion Ratio Lower Upper
43 100
58 38.1 26.0 39.0



#20
Methylene Chloride
Concen: 6.492 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010434.D
Acq: 18 May 2019 02:46

Tgt Ion: 84 Resp: 64435
Ion Ratio Lower Upper
84 100
49 114.9 90.6 135.8
51 31.9 26.6 40.0
86 69.9 49.7 74.5





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

FEBH-09(39-39.5)

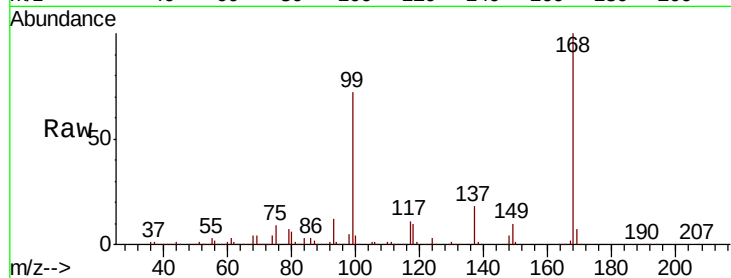
Tgt Ion: 56 Resp: 14534

Ion Ratio Lower Upper

56 100

69 174.0 27.6 41.4#

84 140.3 72.9 109.3#

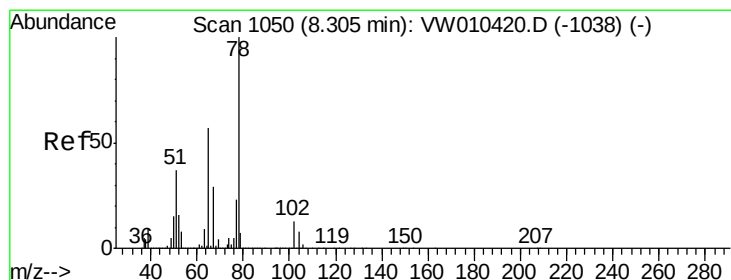
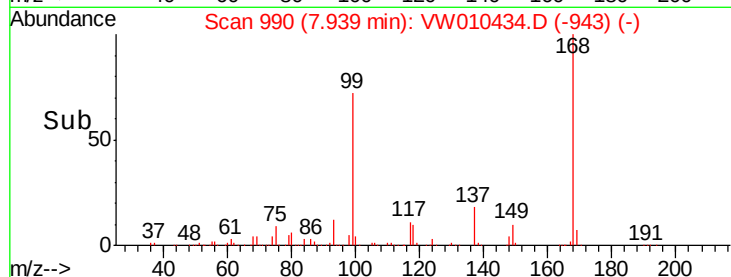
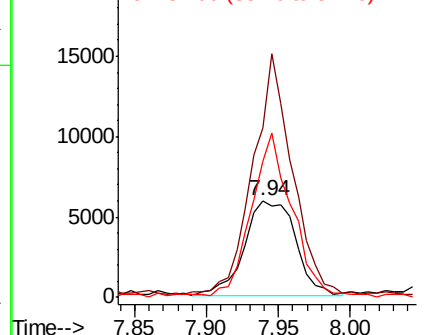


Abundance

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: 56.214 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010434.D

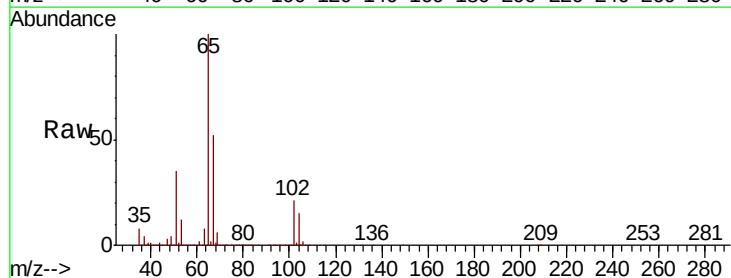
Acq: 18 May 2019 02:46

Tgt Ion: 65 Resp: 399013

Ion Ratio Lower Upper

65 100

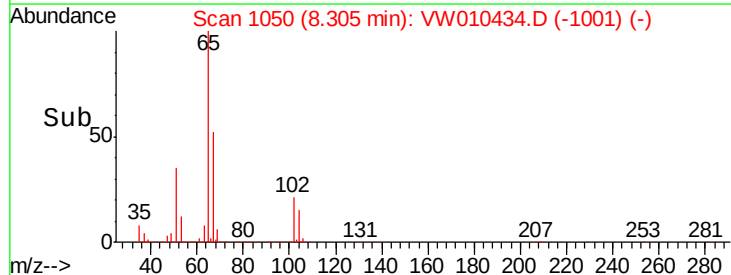
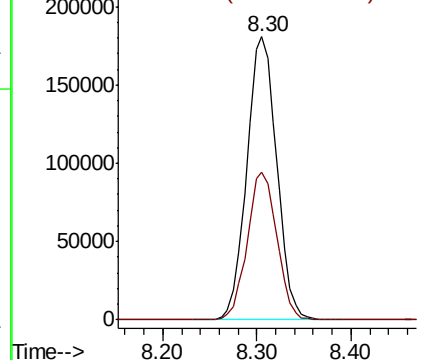
67 51.9 0.0 104.2

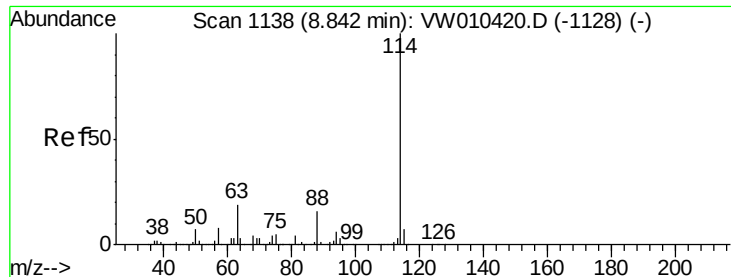


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

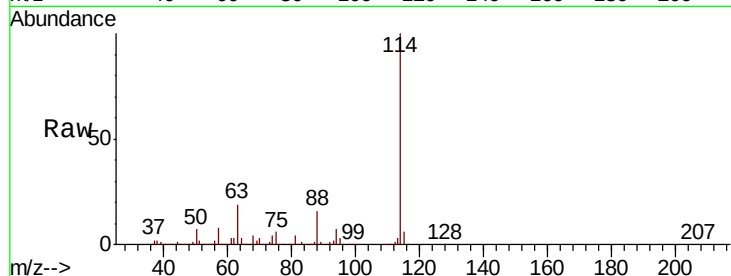




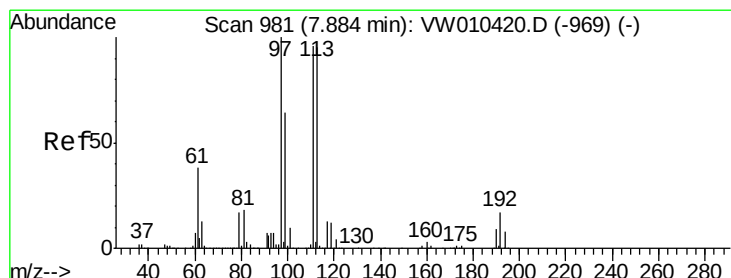
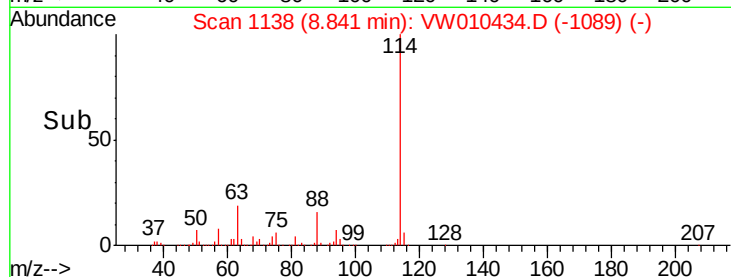
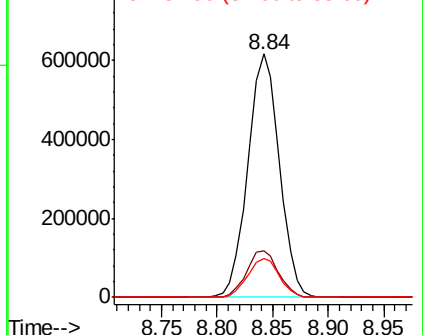
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010434.D
 Acq: 18 May 2019 02:46

Instrument :
 MSVOA_W
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 FEBH-09(39-39.5)

Tgt Ion:114 Resp: 1216062
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 16.0 0.0 31.6

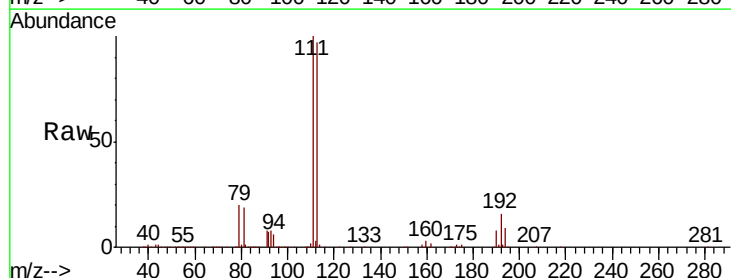


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

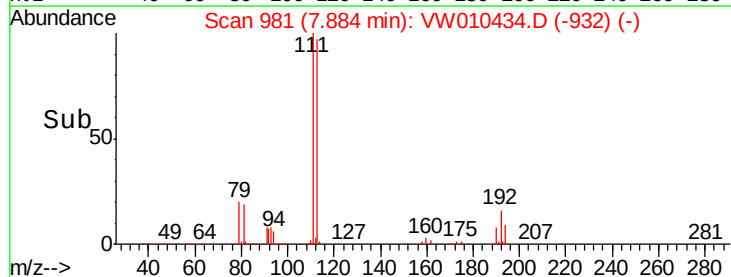
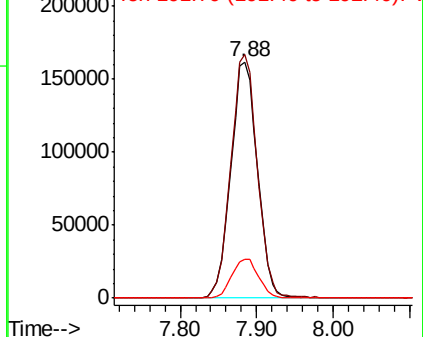


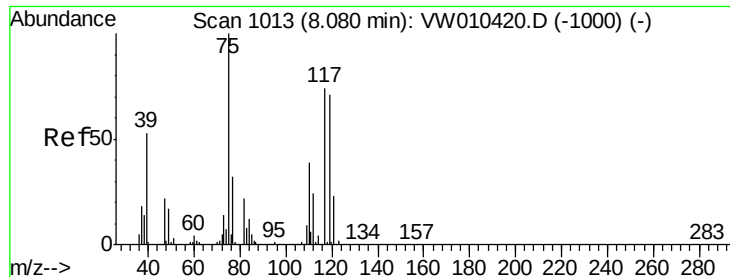
#35
 Dibromofluoromethane
 Concen: 51.724 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010434.D
 Acq: 18 May 2019 02:46

Tgt Ion:113 Resp: 388485
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.5 123.7
 192 16.7 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

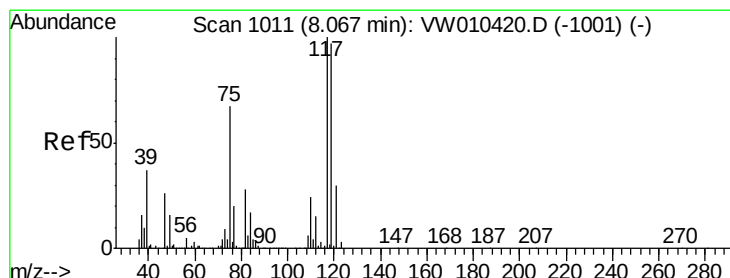
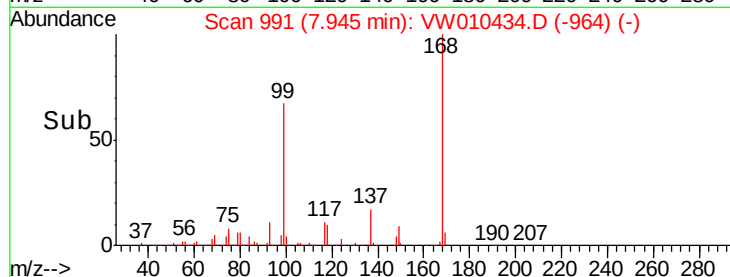
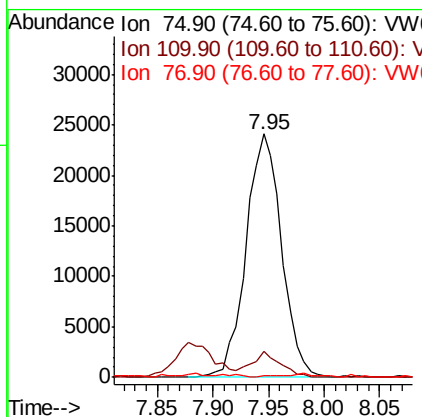
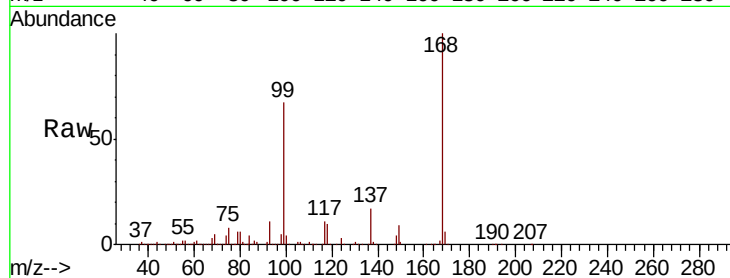




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010434.D
 Acq: 18 May 2019 02:46

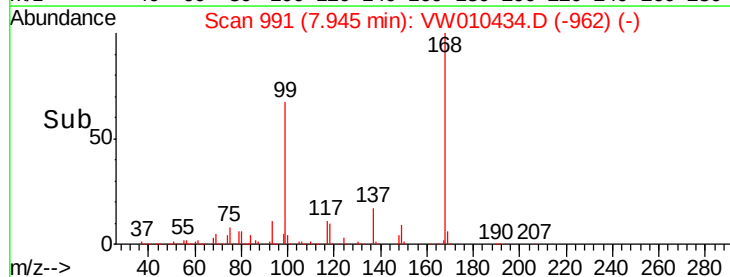
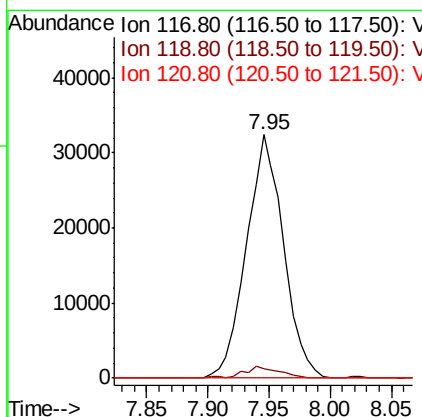
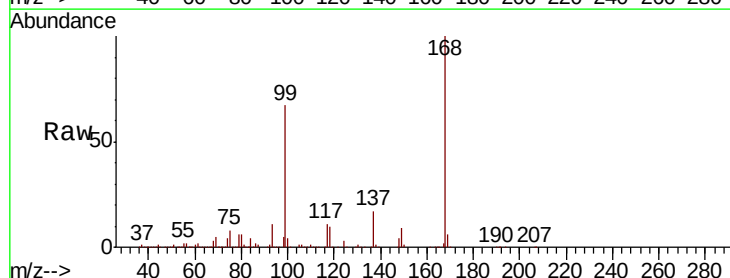
Instrument :
 MSVOA_W
 ClientSampleId :
 FEBH-09(39-39.5)

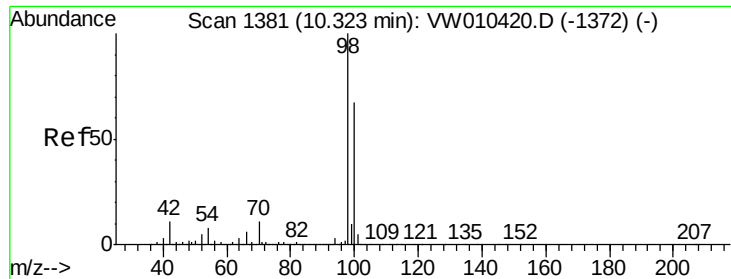
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.4	58.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.883 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010434.D
 Acq: 18 May 2019 02:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.8	116.6#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 52.671 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

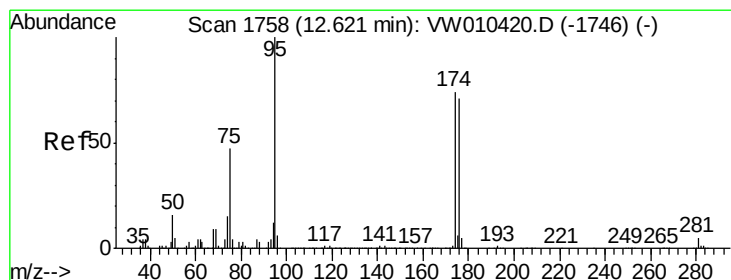
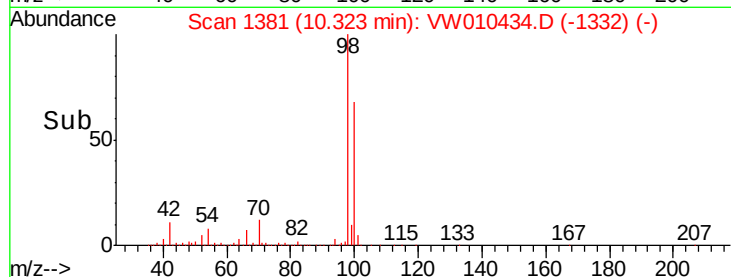
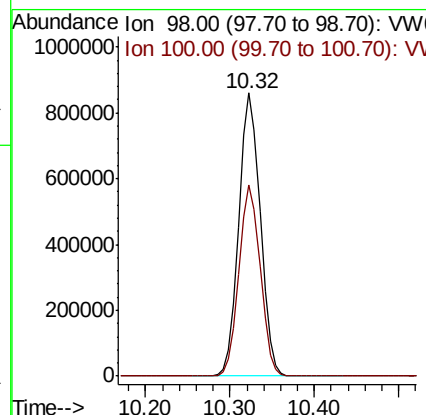
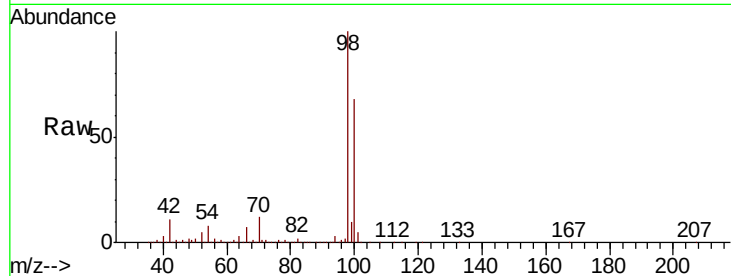
FEBH-09(39-39.5)

Tgt Ion: 98 Resp: 1475238

Ion Ratio Lower Upper

98 100

100 67.0 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 50.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

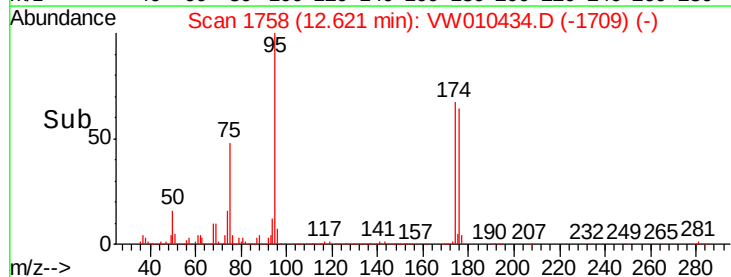
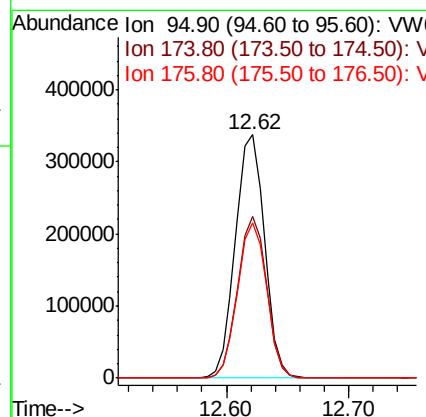
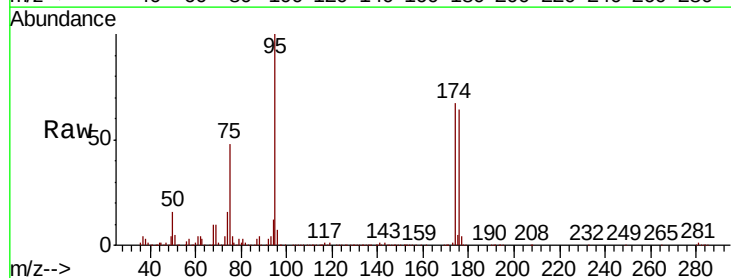
Tgt Ion: 95 Resp: 558523

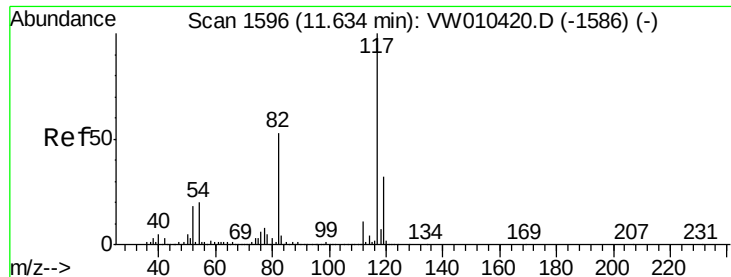
Ion Ratio Lower Upper

95 100

174 65.5 0.0 146.6

176 63.7 0.0 141.4

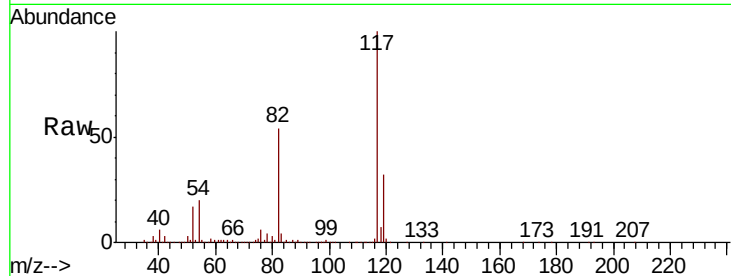




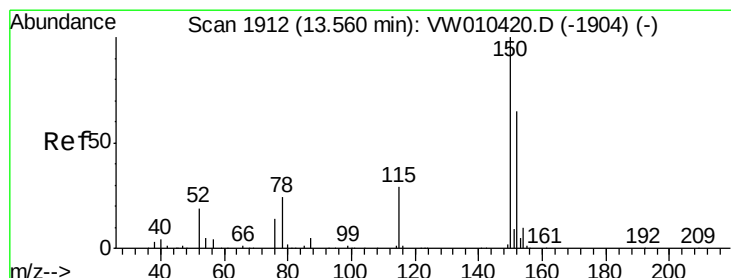
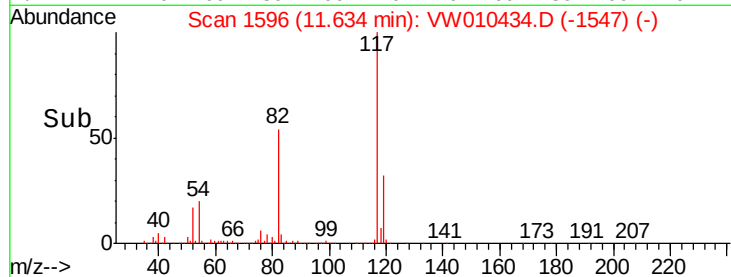
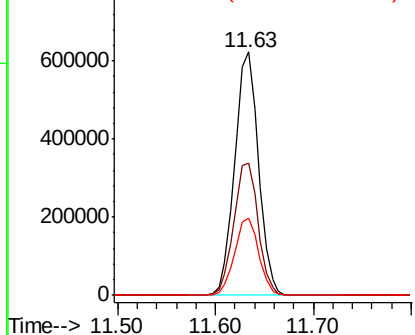
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010434.D
Acq: 18 May 2019 02:46

Instrument :
MSVOA_W
ClientSampleId :
FEBH-09(39-39.5)

Tgt Ion:117 Resp: 1054024
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 31.8 25.6 38.4

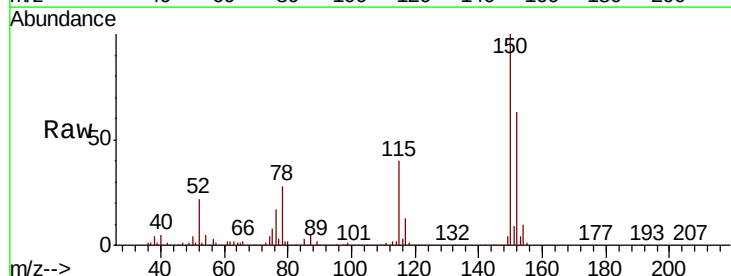


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

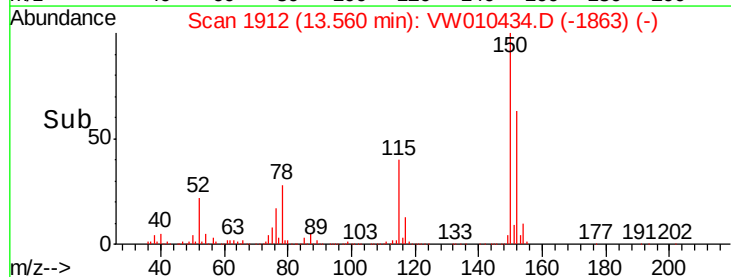
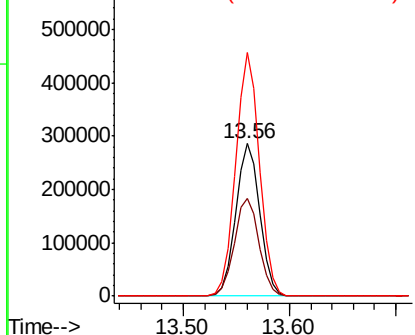


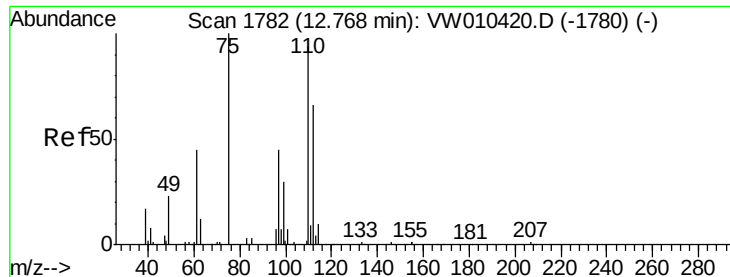
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010434.D
Acq: 18 May 2019 02:46

Tgt Ion:152 Resp: 451740
Ion Ratio Lower Upper
152 100
115 65.6 30.0 90.1
150 158.2 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: 55.553 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Instrument :

MSVOA_W

ClientSampleId :

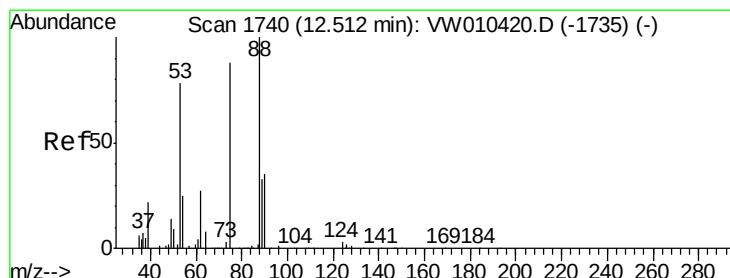
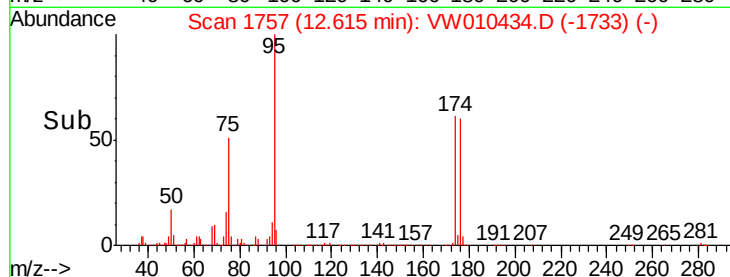
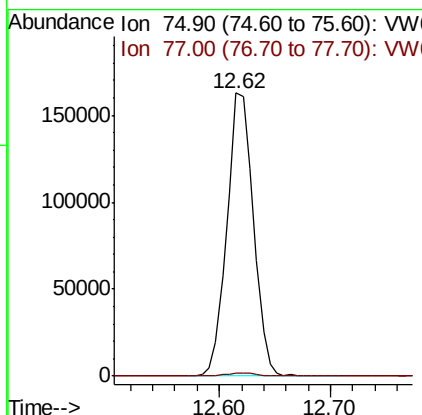
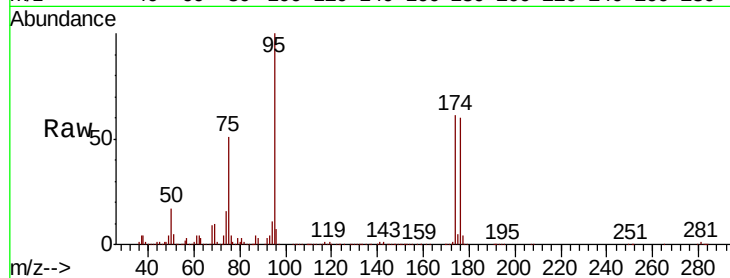
FEBH-09(39-39.5)

Tgt Ion: 75 Resp: 268731

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.626 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010434.D

Acq: 18 May 2019 02:46

Tgt Ion: 75 Resp: 268731

Ion Ratio Lower Upper

75 100

53 0.1 70.7 106.1#

89 0.1 38.6 58.0#

