

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010435.D
 Acq On : 18 May 2019 03:13
 Operator : SY/VA
 Sample : K2873-02
 Misc : 6.26G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FEBH-10

Quant Time: May 18 05:07:41 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	637305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1204711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1051521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	458915	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	394732	56.48	ug/l	0.00
Spiked Amount			Recovery	=	112.96%	
35) Dibromofluoromethane	7.88	113	381948	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.32	98	1483587	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.62	95	558218	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

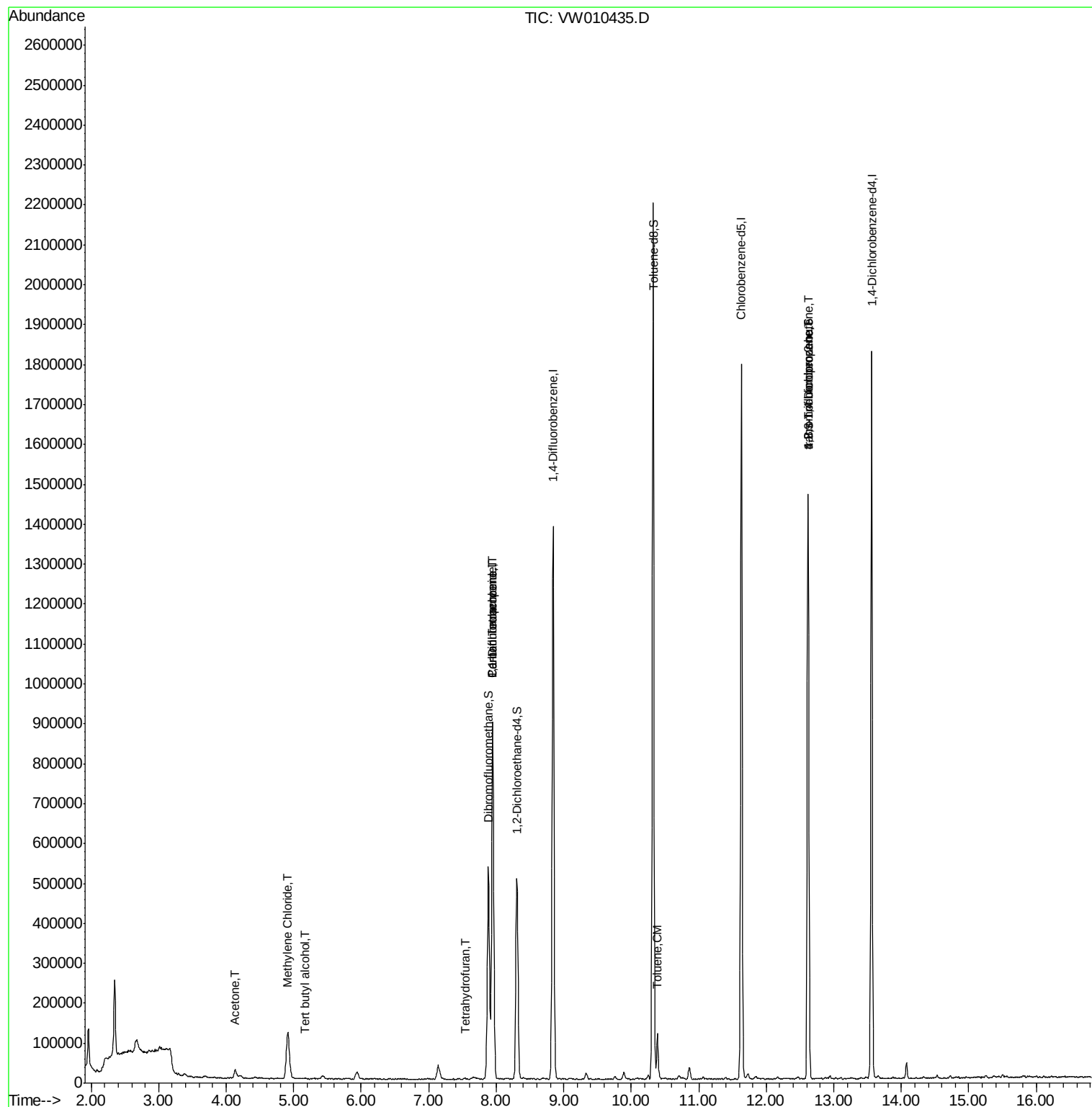
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	396	Below Cal	#	42
3) Chloromethane	2.21	50	1084	Below Cal	#	88
5) Bromomethane	2.74	94	624	Below Cal	#	17
11) Tert butyl alcohol	5.17	59	674	1.063	ug/l #	40
13) Acrolein	3.89	56	453	Below Cal	#	37
16) Acetone	4.14	43	39099	31.757	ug/l #	87
20) Methylene Chloride	4.91	84	95566	11.876	ug/l	96
29) Tetrahydrofuran	7.53	42	1653	1.164	ug/l #	88
31) Cyclohexane	7.95	56	17455	Below Cal	#	12
36) 1,1-Dichloropropene	7.95	75	54617	5.121	ug/l #	42
38) Carbon Tetrachloride	7.95	117	69632	6.050	ug/l #	15
52) Toluene	10.38	92	50837	2.515	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	268928	54.725	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	268928	107.991	ug/l #	14

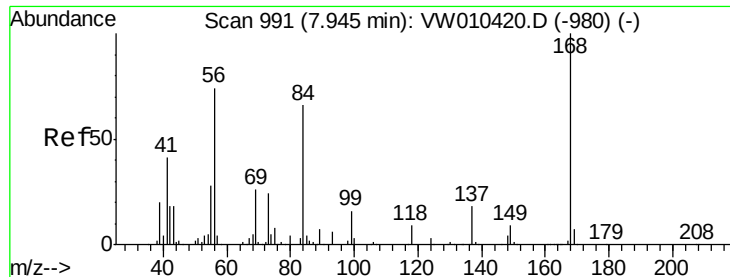
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

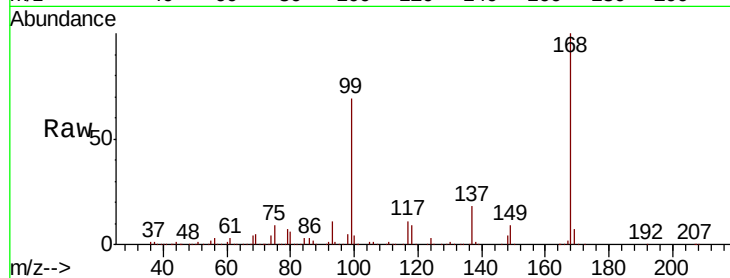
FEBH-10

Tgt Ion:168 Resp: 637305

Ion Ratio Lower Upper

168 100

99 68.8 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

250000

200000

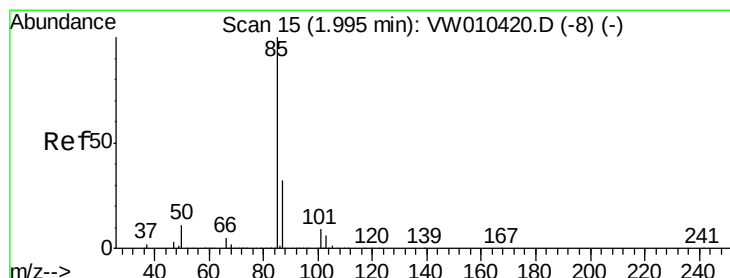
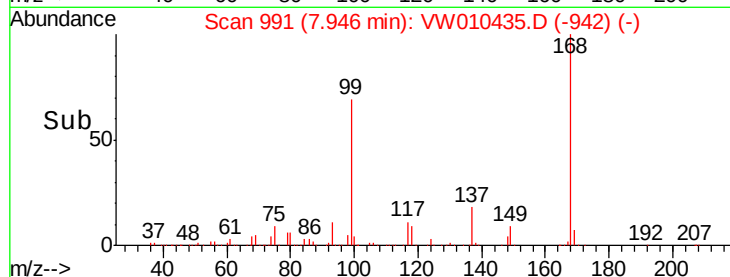
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010435.D

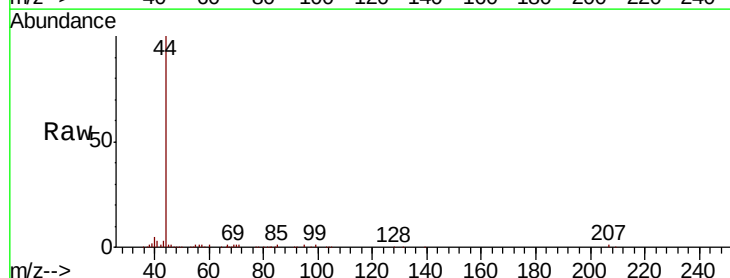
Acq: 18 May 2019 03:13

Tgt Ion: 85 Resp: 396

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

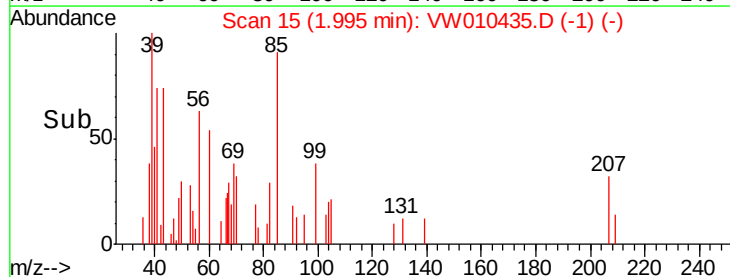
300

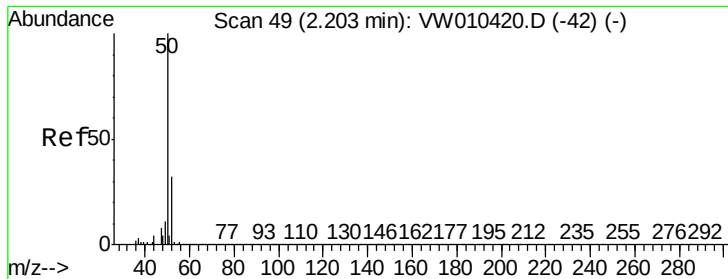
200

100

0

Time--> 1.96 1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

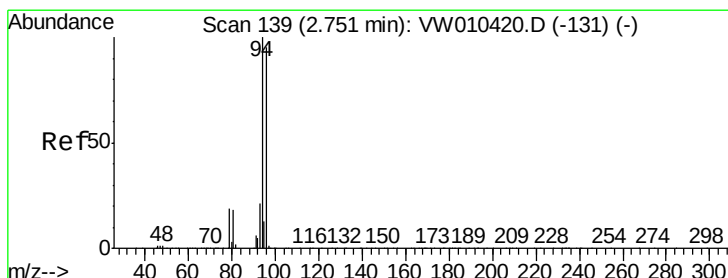
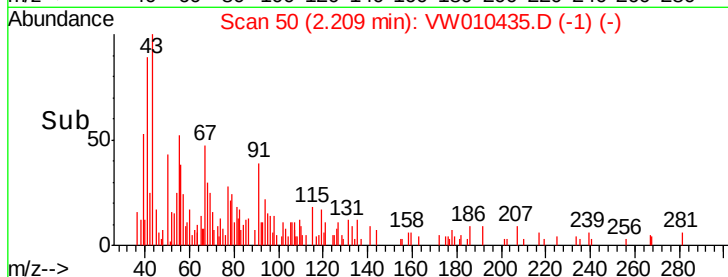
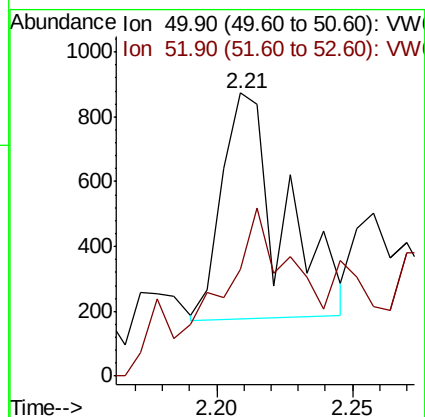
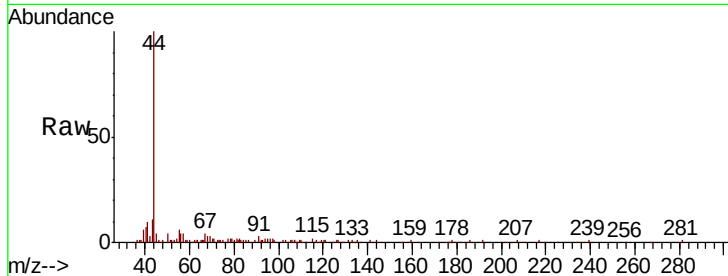
FEBH-10

Tgt Ion: 50 Resp: 1084

Ion Ratio Lower Upper

50 100

52 24.9 25.4 38.0#



#5

Bromomethane

Concen: Below Cal

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010435.D

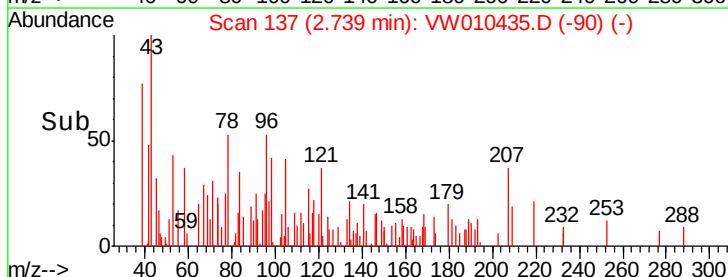
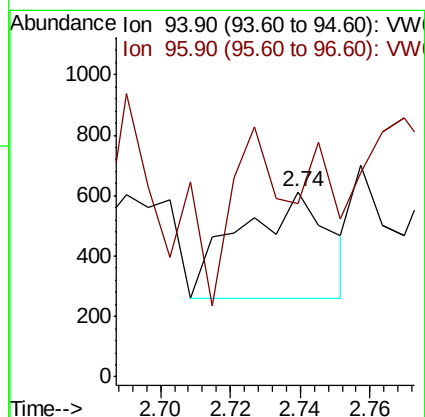
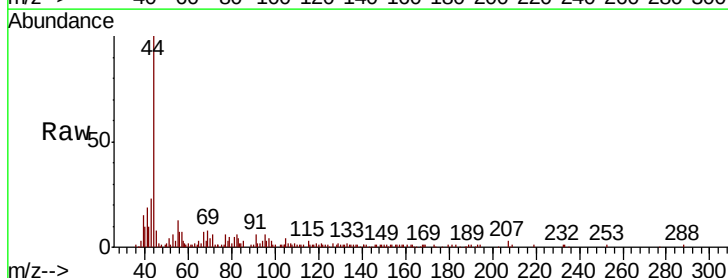
Acq: 18 May 2019 03:13

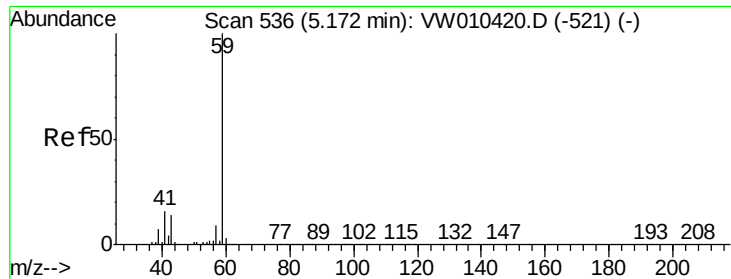
Tgt Ion: 94 Resp: 624

Ion Ratio Lower Upper

94 100

96 13.8 75.8 113.6#

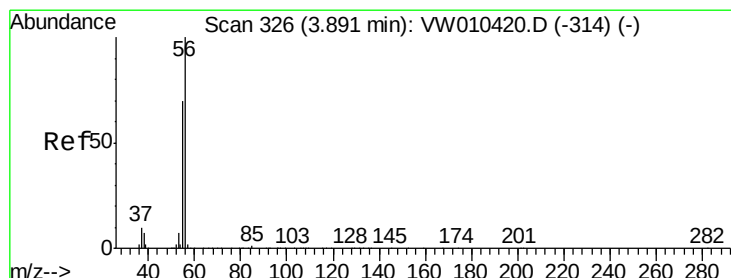
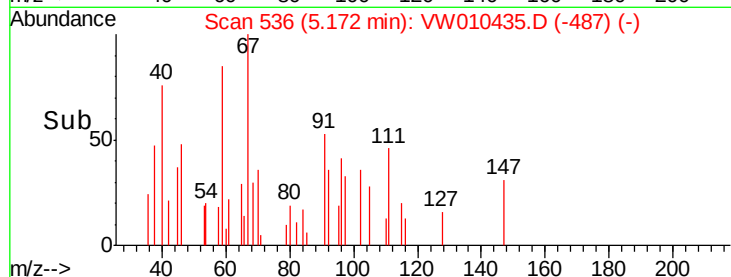
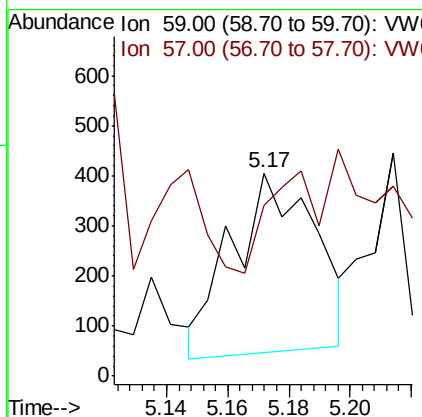
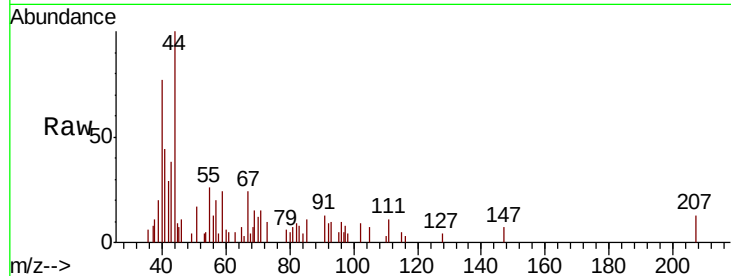




#11
Tert butyl alcohol
Concen: 1.063 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010435.D
Acq: 18 May 2019 03:13

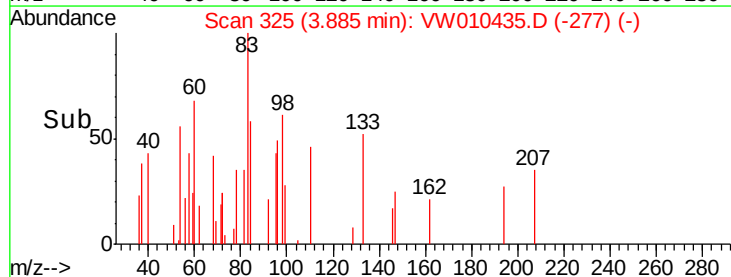
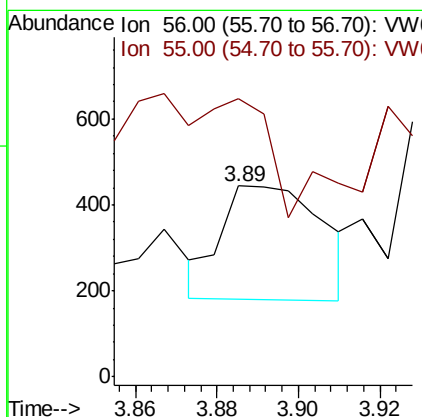
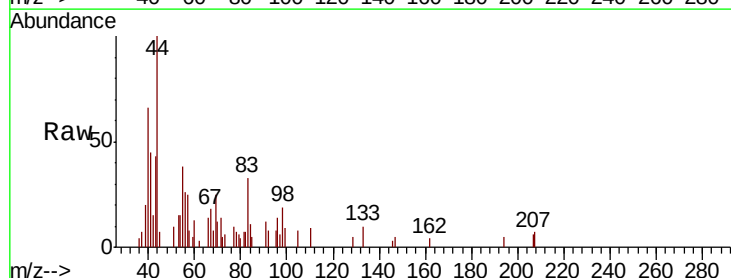
Instrument :
MSVOA_W
ClientSampled :
FEBH-10

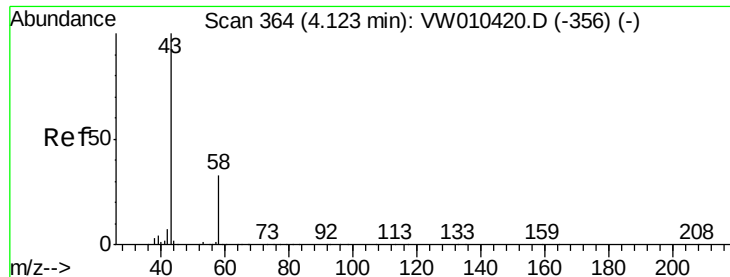
Tgt Ion: 59 Resp: 674
Ion Ratio Lower Upper
59 100
57 32.9 8.4 12.6#



#13
Acrolein
Concen: Below Cal
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW010435.D
Acq: 18 May 2019 03:13

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 19.4 57.6 86.4#





#16

Acetone

Concen: 31.757 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

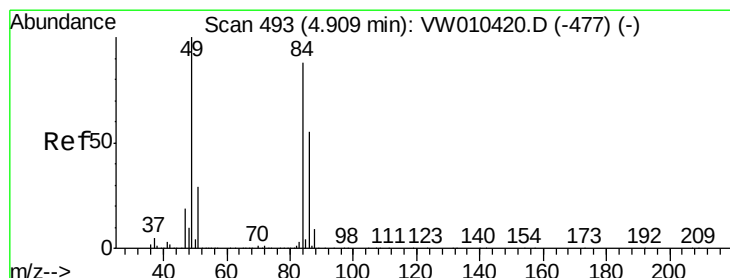
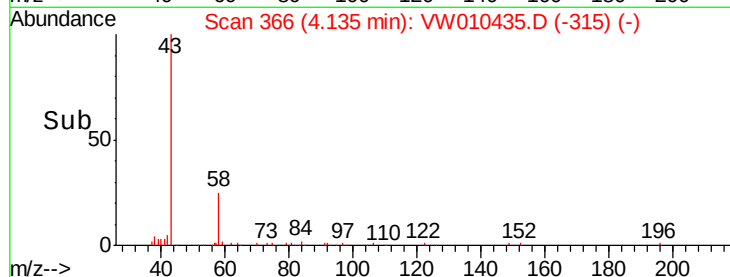
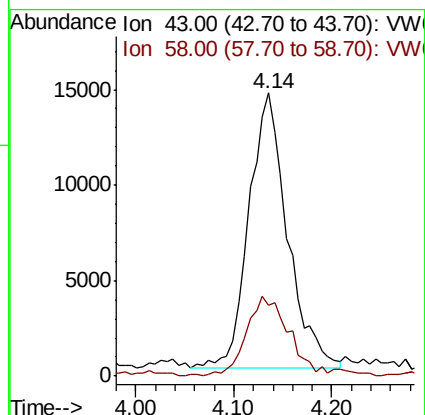
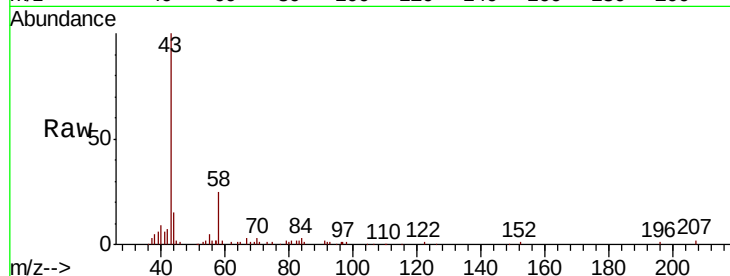
FEBH-10

Tgt Ion: 43 Resp: 39099

Ion Ratio Lower Upper

43 100

58 25.4 26.0 39.0#



#20

Methylene Chloride

Concen: 11.876 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Tgt Ion: 84 Resp: 95566

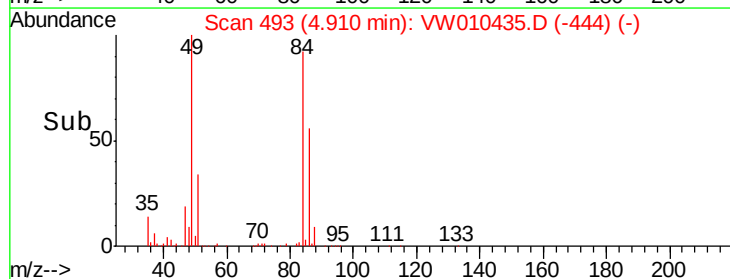
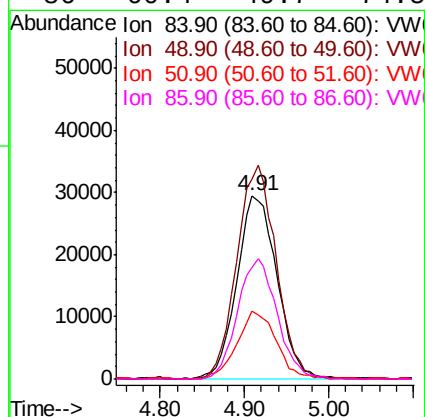
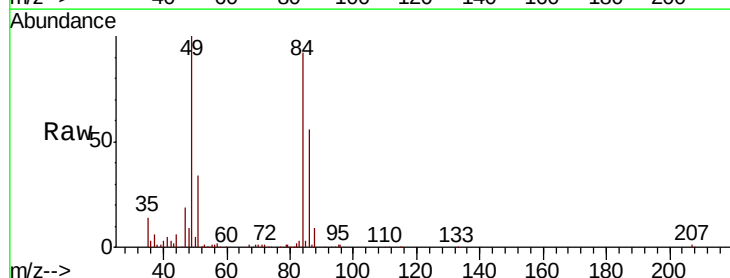
Ion Ratio Lower Upper

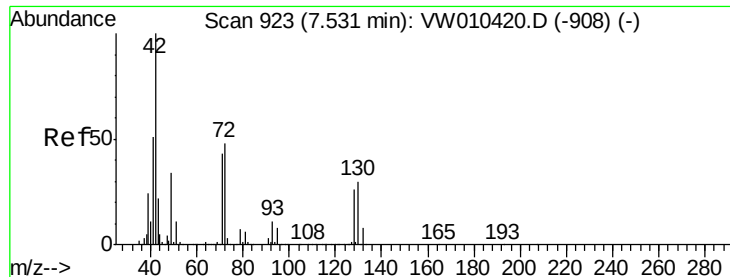
84 100

49 108.8 90.6 135.8

51 36.9 26.6 40.0

86 60.4 49.7 74.5





#29

Tetrahydrofuran

Concen: 1.164 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

FEBH-10

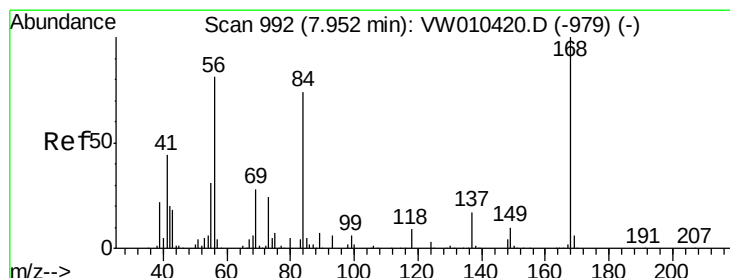
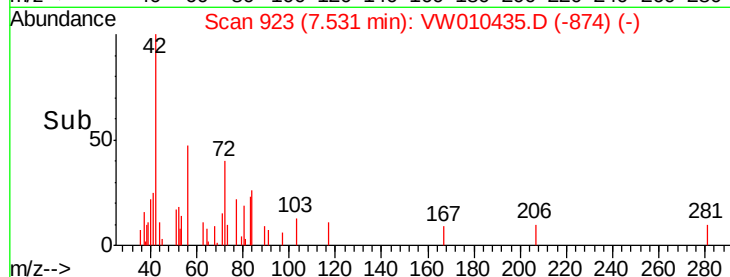
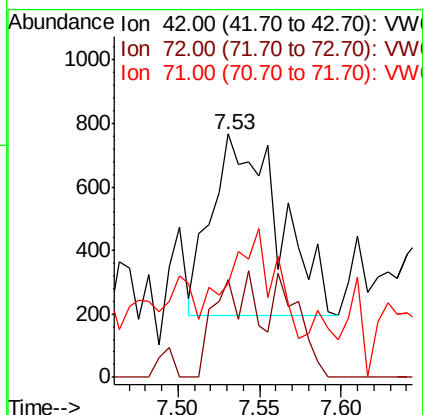
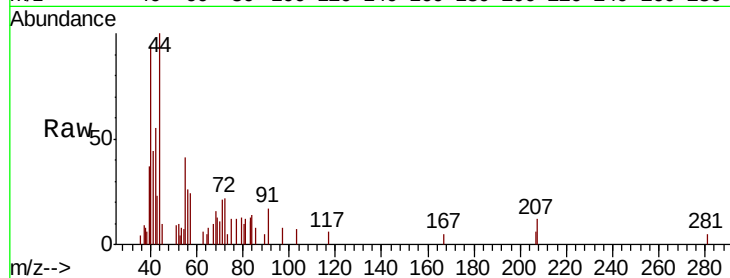
Tgt Ion: 42 Resp: 1653

Ion Ratio Lower Upper

42 100

72 35.1 38.2 57.2#

71 41.9 36.0 54.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

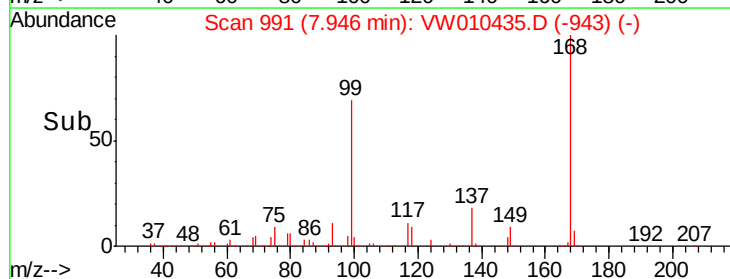
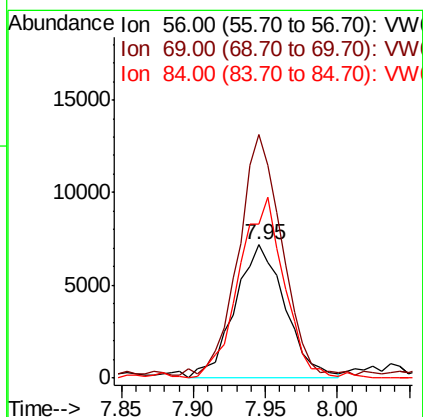
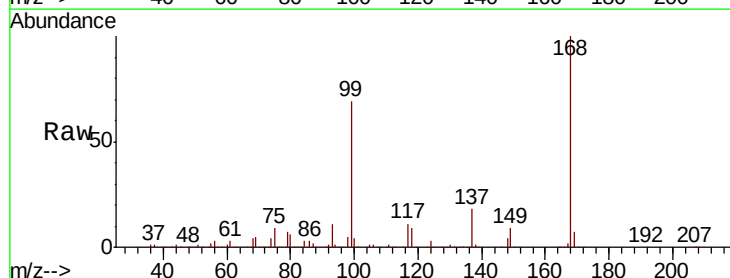
Tgt Ion: 56 Resp: 17455

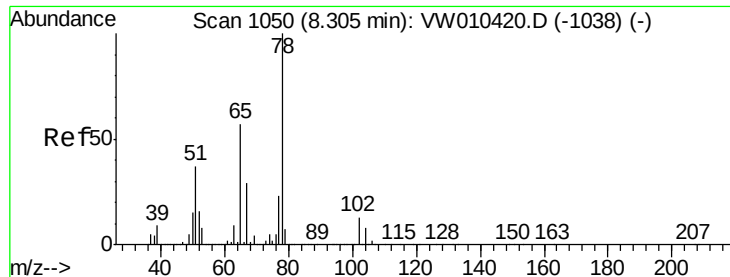
Ion Ratio Lower Upper

56 100

69 178.6 27.6 41.4#

84 115.8 72.9 109.3#

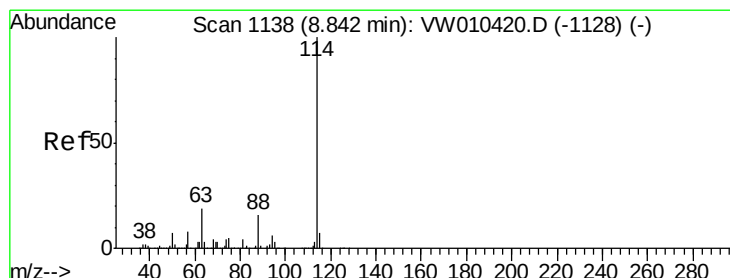
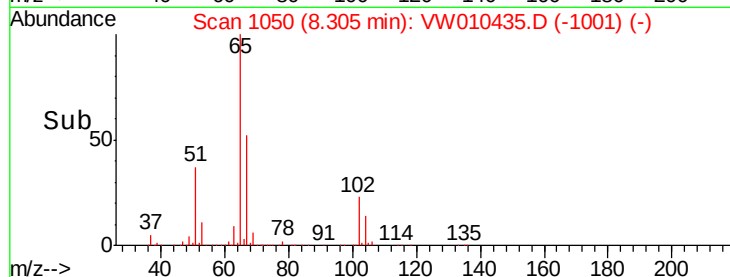
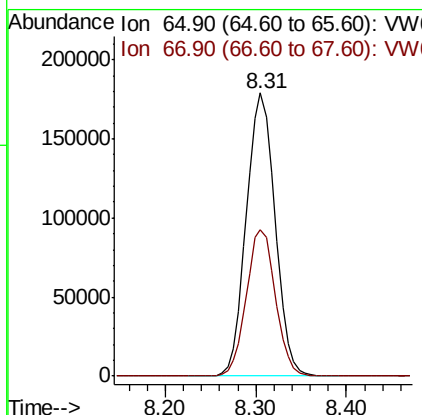
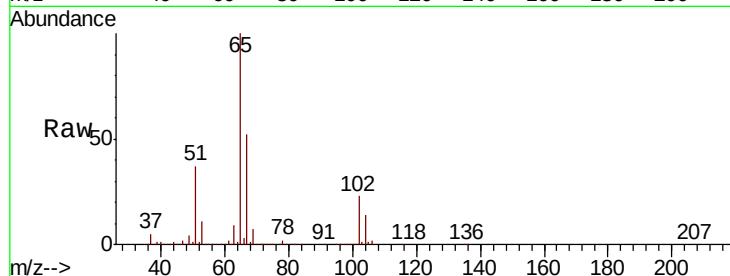




#33
 1,2-Dichloroethane-d4
 Concen: 56.475 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010435.D
 Acq: 18 May 2019 03:13

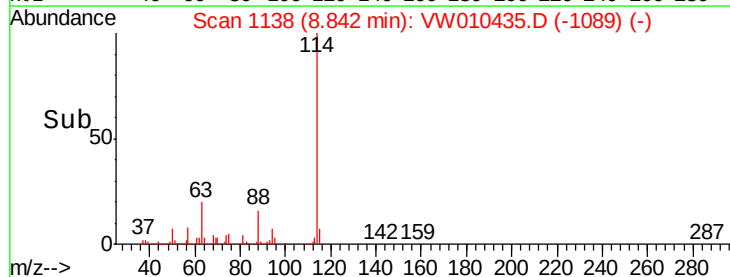
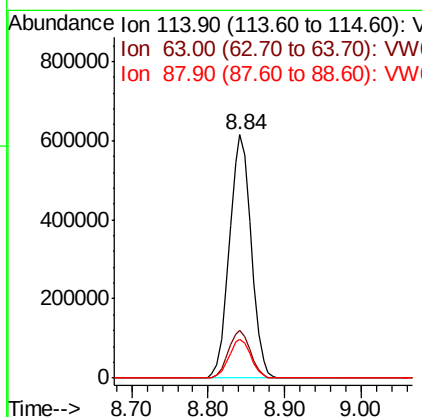
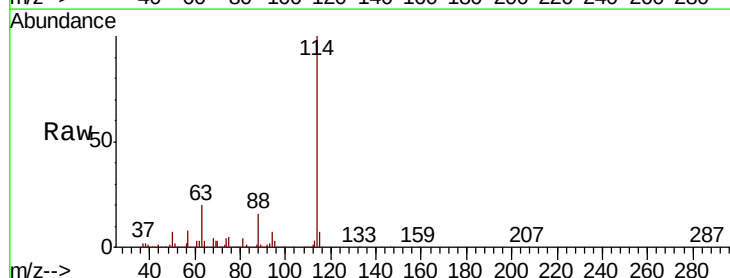
Instrument :
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 FEBH-10

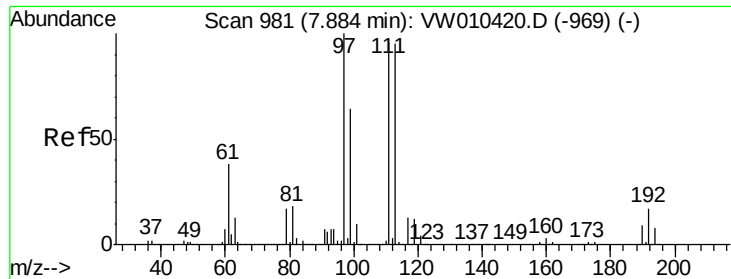
Tgt Ion: 65 Resp: 394732
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010435.D
 Acq: 18 May 2019 03:13

Tgt Ion: 114 Resp: 1204711
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.8
 88 16.2 0.0 31.6

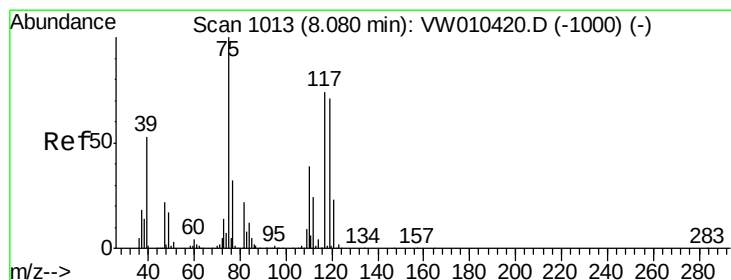
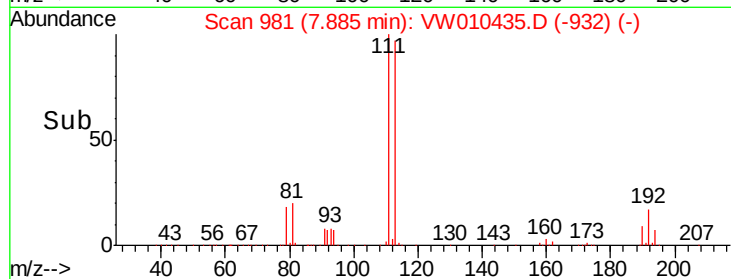
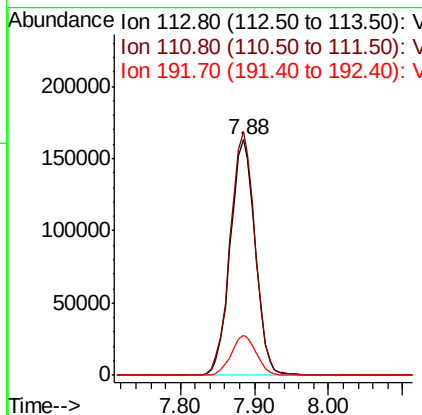
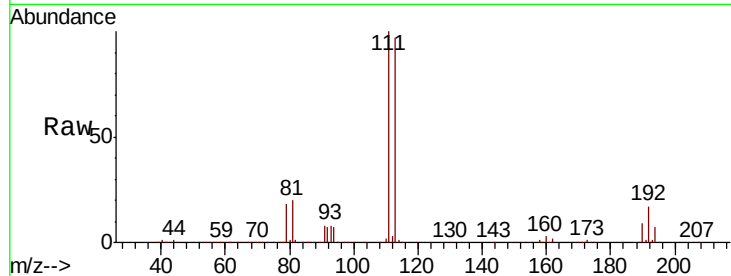




#35
 Dibromofluoromethane
 Concen: 51.333 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010435.D
 Acq: 18 May 2019 03:13

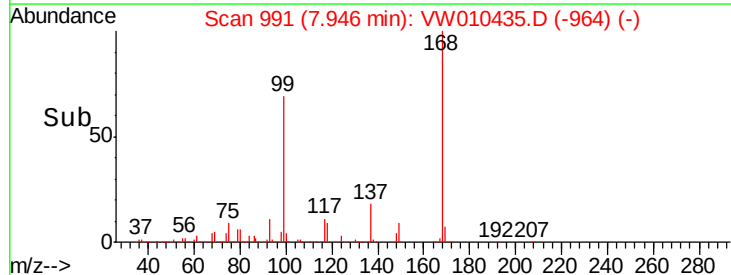
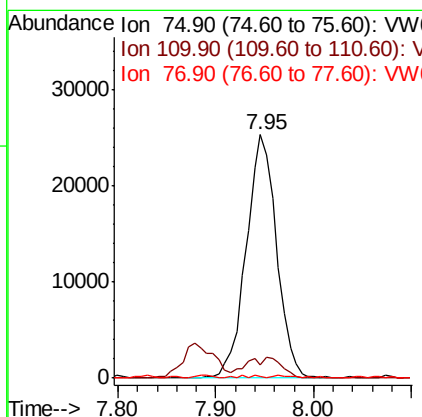
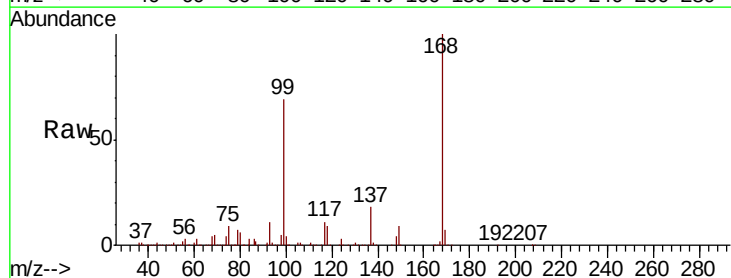
Instrument :
 MSVOA_W
 ClientSampleId :
 FEBH-10

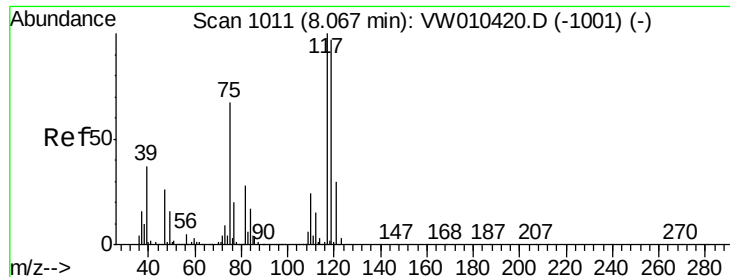
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.5	123.7
192	17.0	14.2	21.4



#36
 1,1-Dichloropropene
 Concen: 5.121 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010435.D
 Acq: 18 May 2019 03:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.7	19.4	58.1#
77	0.4	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.050 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

FEBH-10

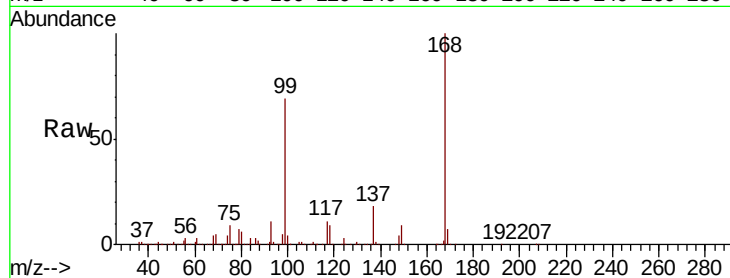
Tgt Ion:117 Resp: 69632

Ion Ratio Lower Upper

117 100

119 3.9 77.8 116.6#

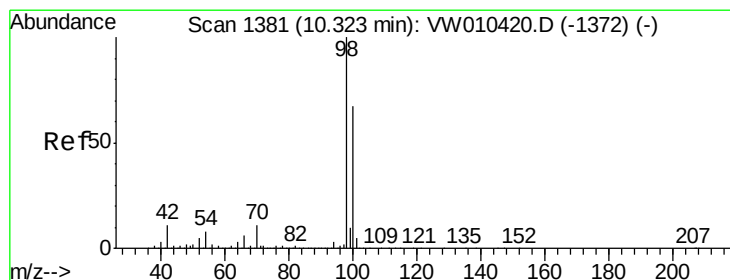
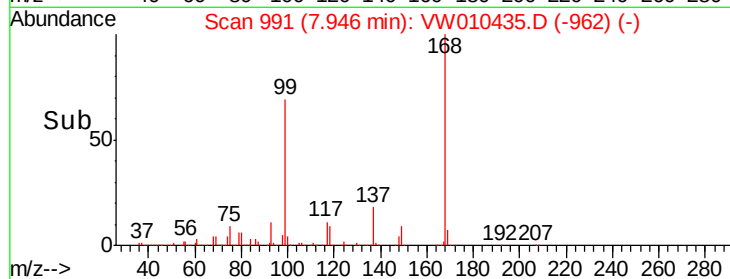
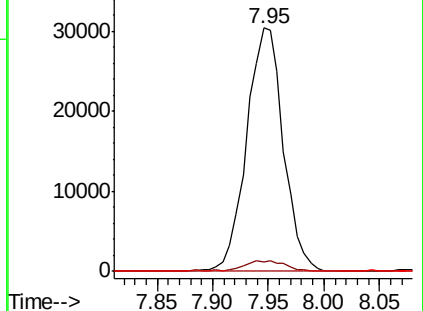
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 53.468 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010435.D

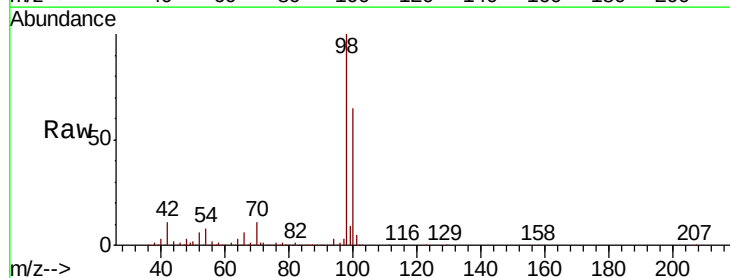
Acq: 18 May 2019 03:13

Tgt Ion: 98 Resp: 1483587

Ion Ratio Lower Upper

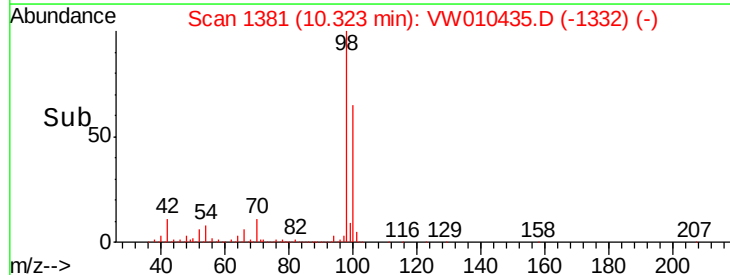
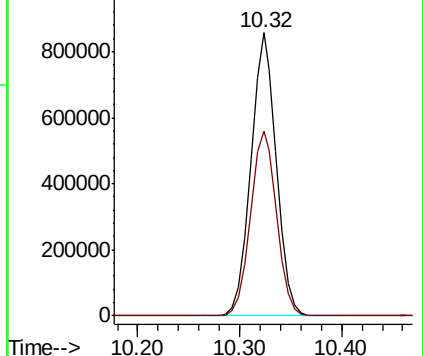
98 100

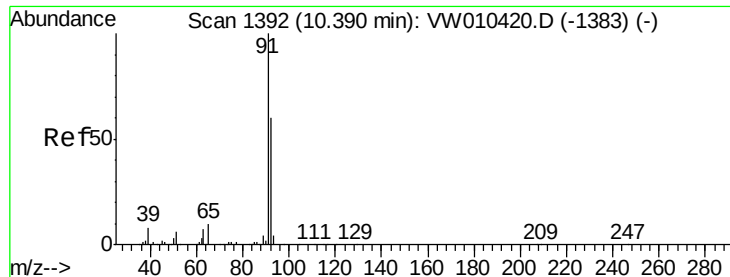
100 67.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.515 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

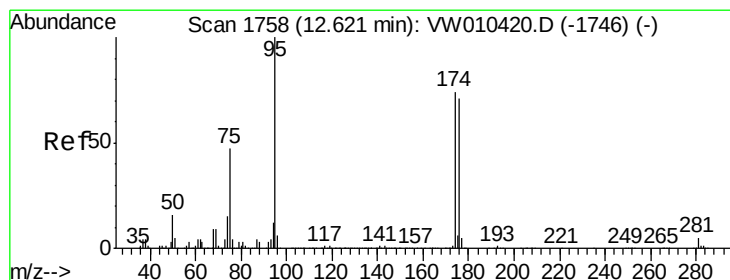
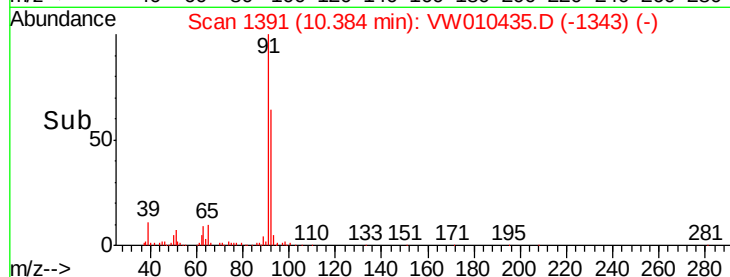
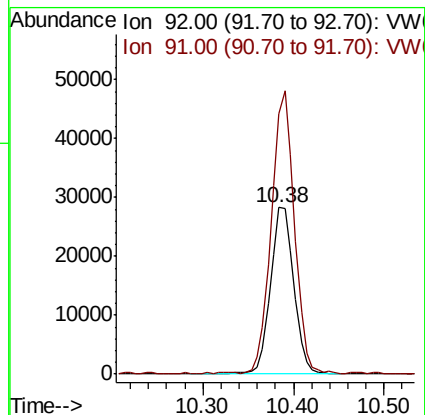
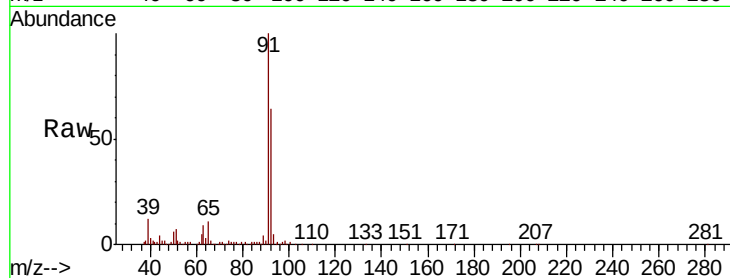
FEBH-10

Tgt Ion: 92 Resp: 50837

Ion Ratio Lower Upper

92 100

91 165.1 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 51.242 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

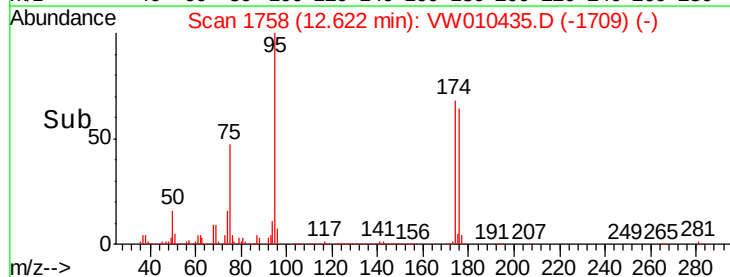
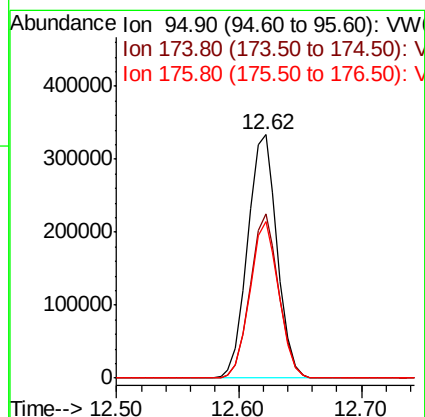
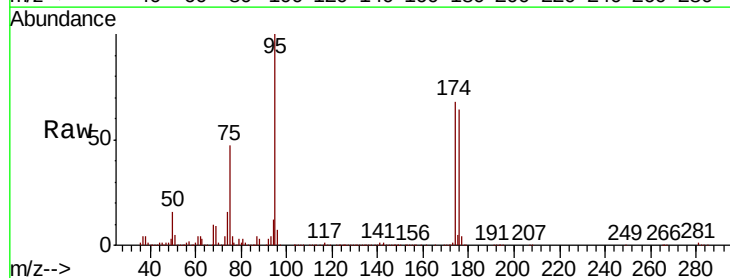
Tgt Ion: 95 Resp: 558218

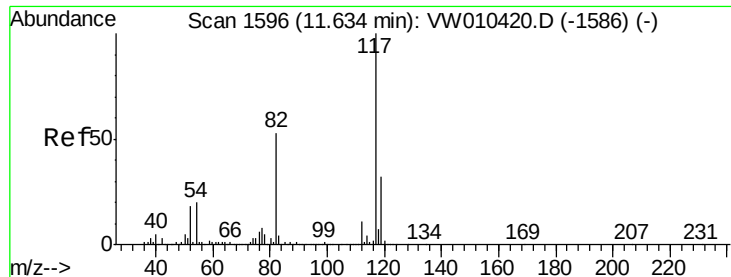
Ion Ratio Lower Upper

95 100

174 65.5 0.0 146.6

176 63.0 0.0 141.4

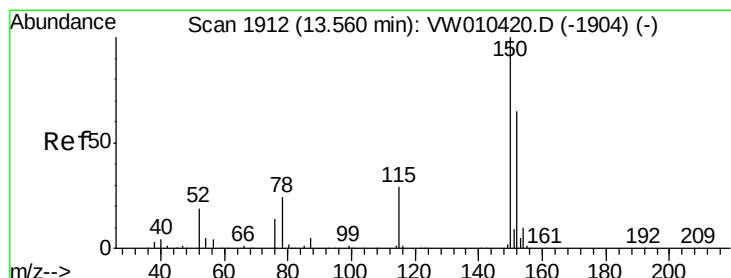
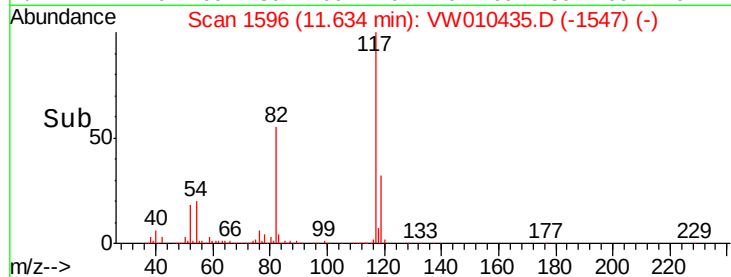
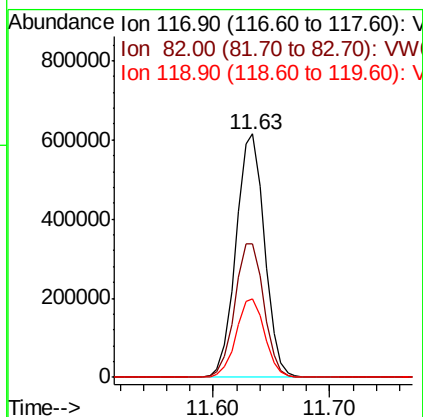
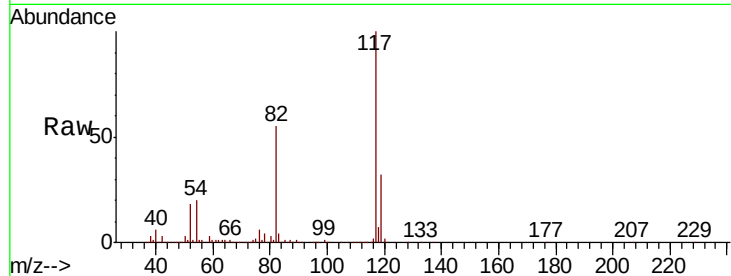




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010435.D
Acq: 18 May 2019 03:13

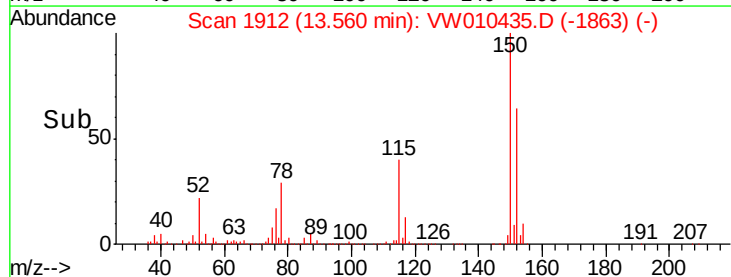
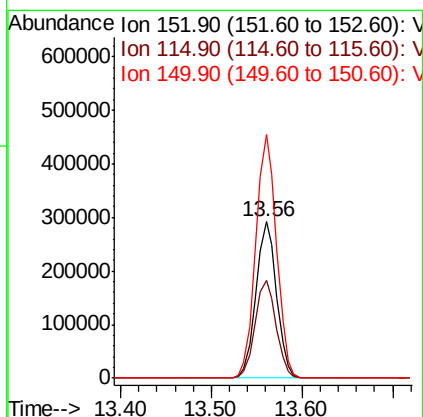
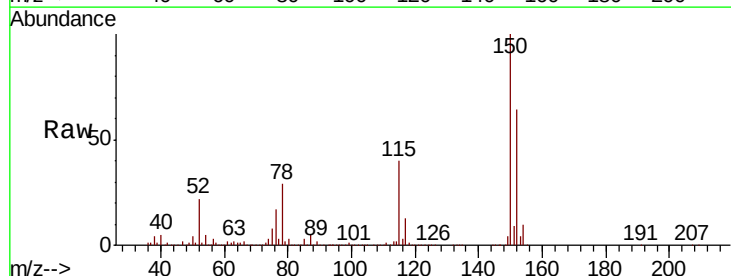
Instrument :
MSVOA_W
ClientSampled :
FEBH-10

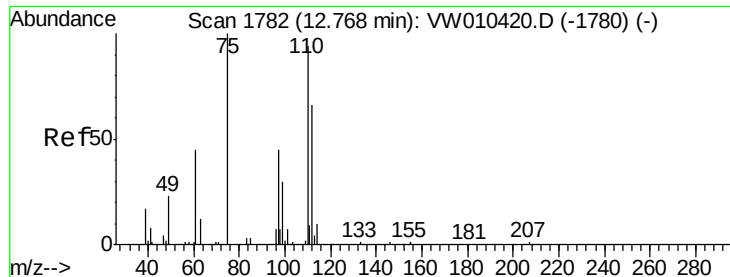
Tgt Ion:117 Resp: 1051521
Ion Ratio Lower Upper
117 100
82 54.8 42.1 63.1
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010435.D
Acq: 18 May 2019 03:13

Tgt Ion:152 Resp: 458915
Ion Ratio Lower Upper
152 100
115 63.9 30.0 90.1
150 156.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 54.725 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Instrument :

MSVOA_W

ClientSampleId :

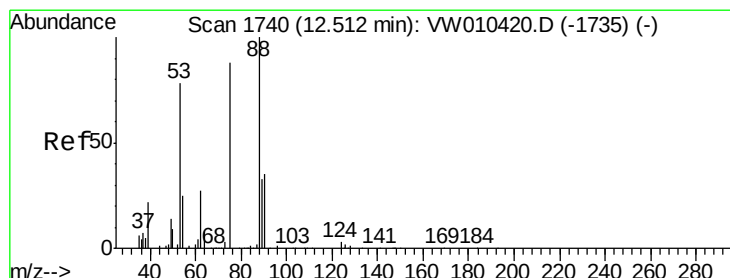
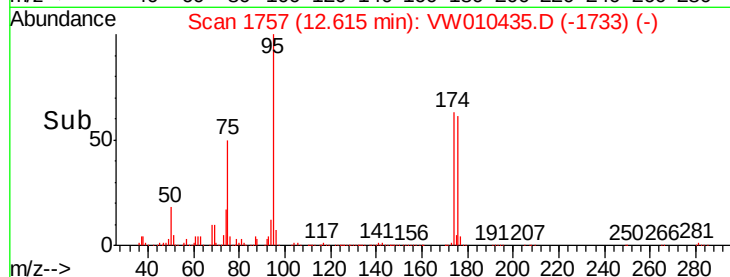
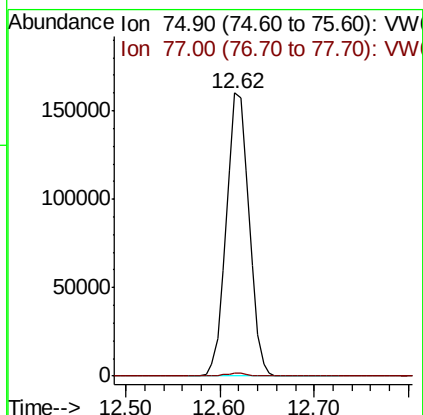
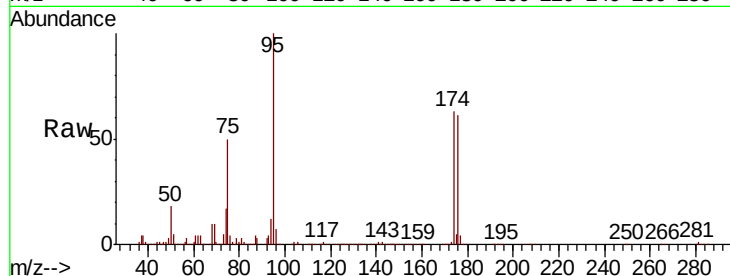
FEBH-10

Tgt Ion: 75 Resp: 268928

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.991 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010435.D

Acq: 18 May 2019 03:13

Tgt Ion: 75 Resp: 268928

Ion Ratio Lower Upper

75 100

53 0.1 70.7 106.1#

89 0.0 38.6 58.0#

