

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010439.D
 Acq On : 18 May 2019 05:01
 Operator : SY/VA
 Sample : K2906-04
 Misc : 7.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-10(8-8.5)

Quant Time: May 18 05:27:30 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	665658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1260301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1120226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	481410	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	439824	60.25	ug/l	0.00
Spiked Amount			Recovery	=	120.50%	
35) Dibromofluoromethane	7.88	113	408921	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	10.32	98	1559480	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.62	95	587357	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

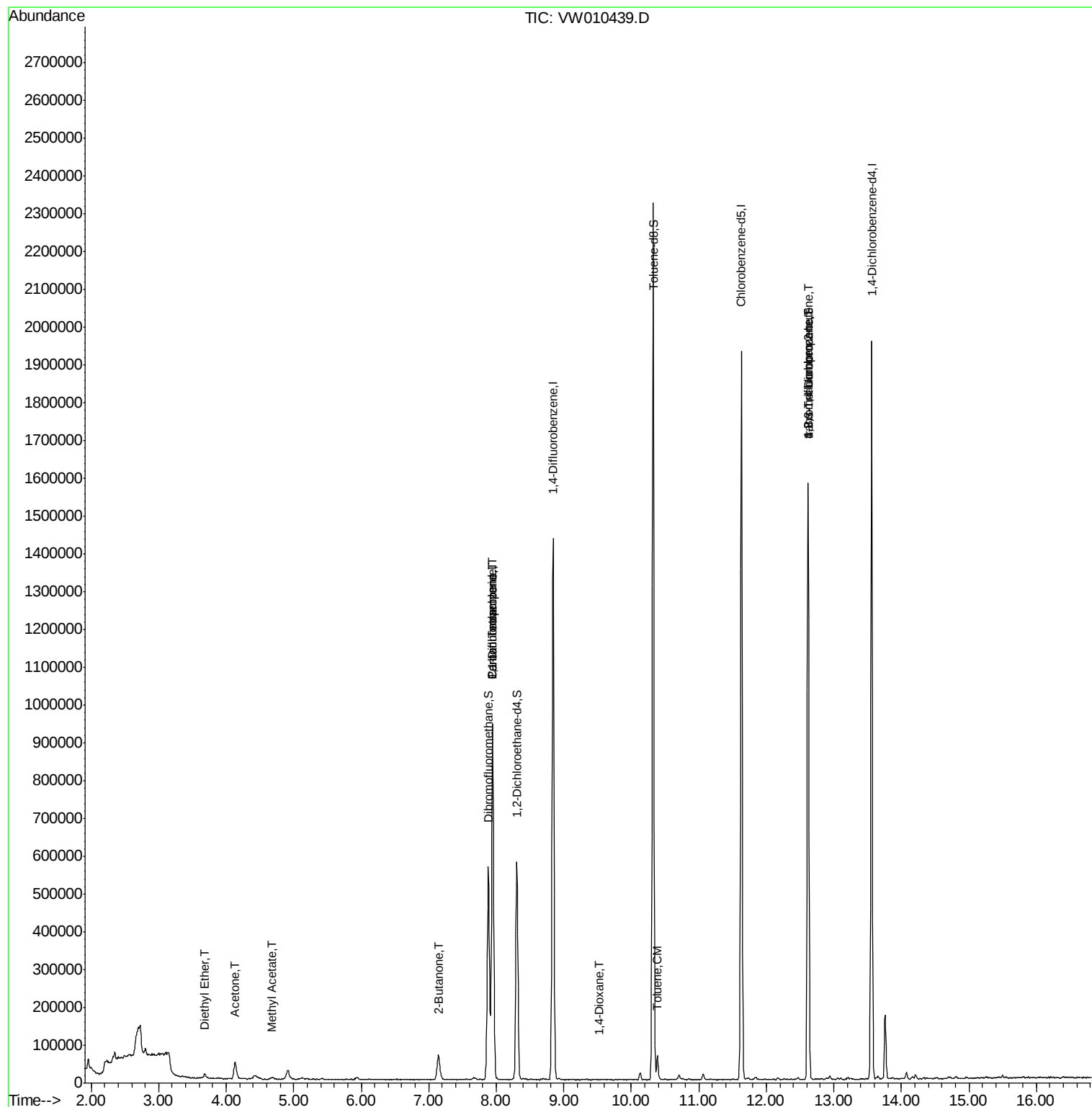
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	568	Below Cal	#	69
3) Chloromethane	2.21	50	1925	Below Cal		99
5) Bromomethane	2.76	94	3227	Below Cal	#	33
8) Diethyl Ether	3.68	74	7037	1.789	ug/l	95
13) Acrolein	3.89	56	323	Below Cal	#	37
16) Acetone	4.13	43	82986	64.532	ug/l	94
18) Methyl Acetate	4.68	43	9427	2.346	ug/l #	86
20) Methylene Chloride	4.90	84	18968	Below Cal		89
25) 2-Butanone	7.16	43	4544	2.073	ug/l #	64
31) Cyclohexane	7.95	56	14031	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	55268	4.954	ug/l #	50
38) Carbon Tetrachloride	7.95	117	71695	5.954	ug/l #	15
49) 1,4-Dioxane	9.52	88	75	1.101	ug/l #	1
52) Toluene	10.39	92	27468	1.299	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	284222	55.135	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	284222	108.799	ug/l #	14

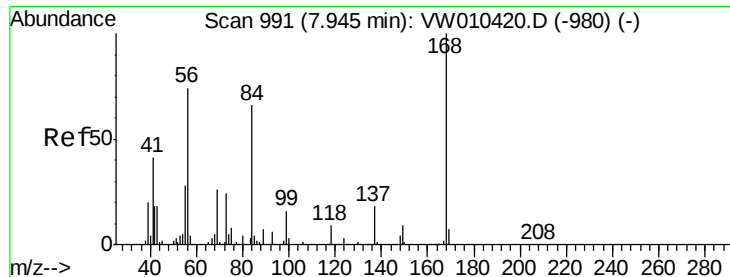
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

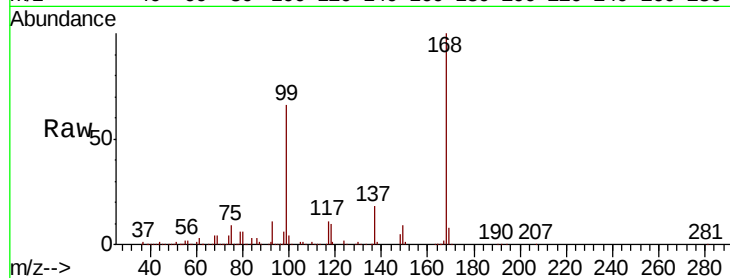
FESB-10(8-8.5)

Tgt Ion:168 Resp: 665658

Ion Ratio Lower Upper

168 100

99 65.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

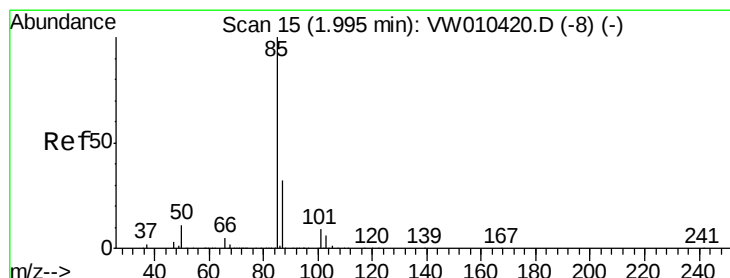
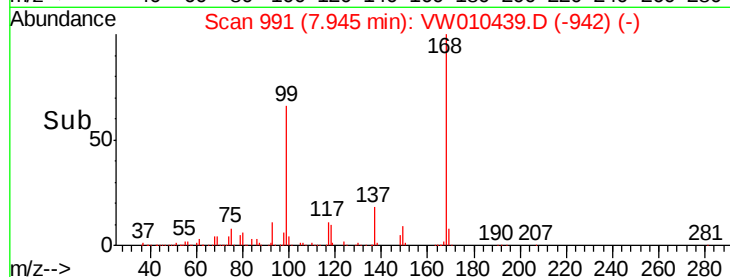
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010439.D

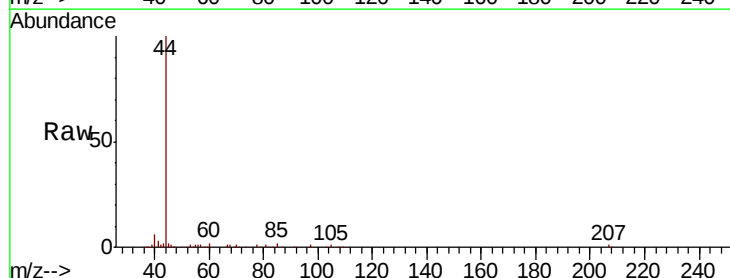
Acq: 18 May 2019 05:01

Tgt Ion: 85 Resp: 568

Ion Ratio Lower Upper

85 100

87 14.9 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

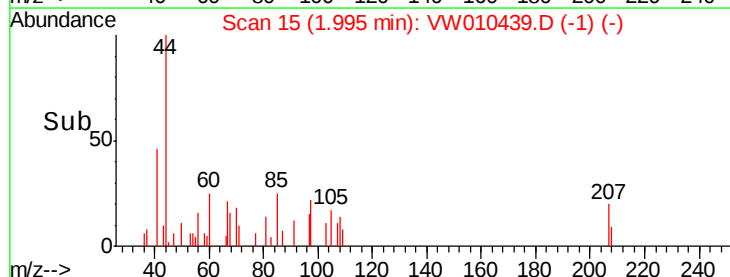
300

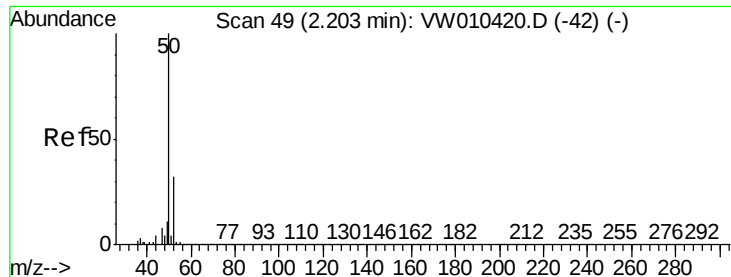
200

100

0

Time-->

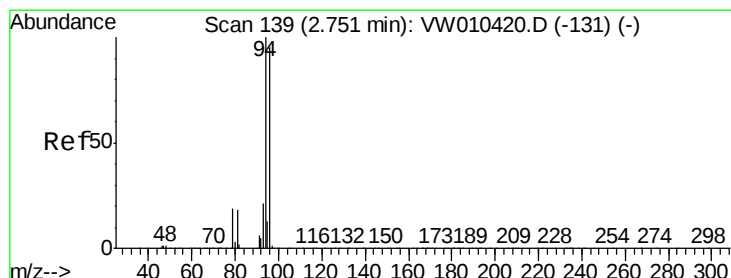
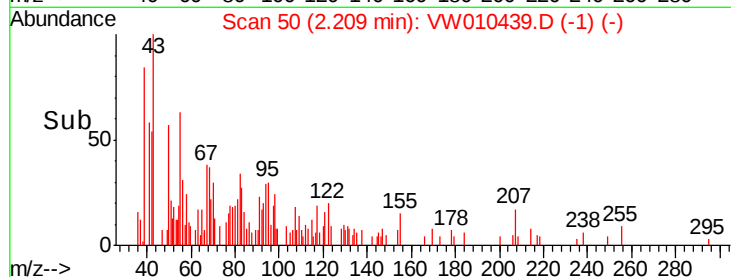
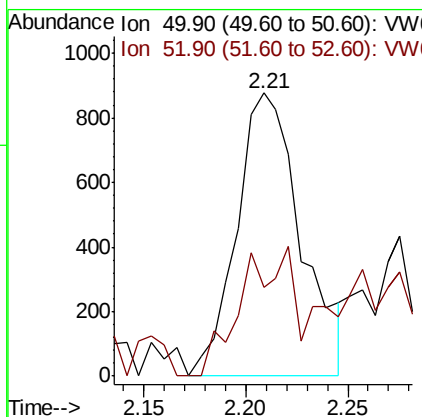
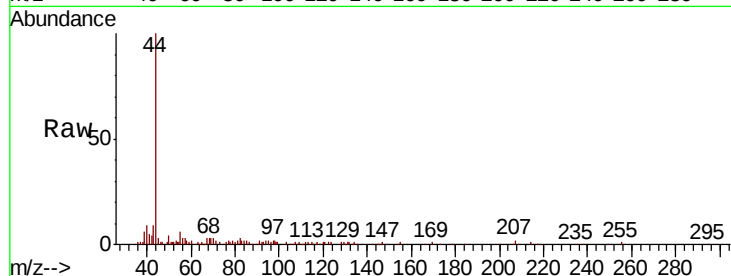




#3
Chloromethane
Concen: Below Cal
RT: 2.21 min Scan# 50
Delta R.T. 0.01 min
Lab File: VW010439.D
Acq: 18 May 2019 05:01

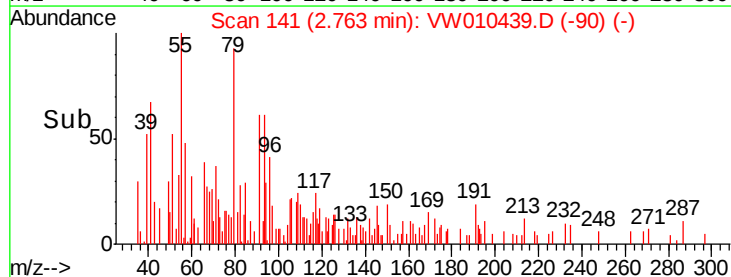
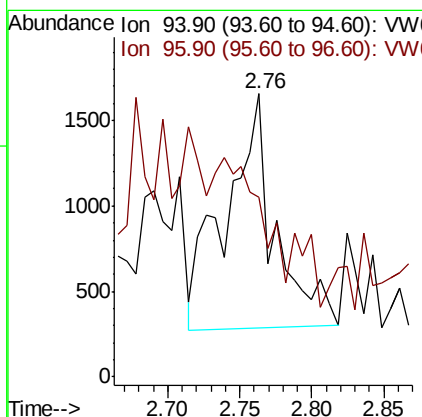
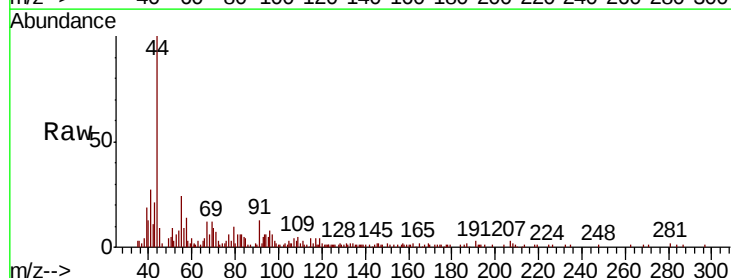
Instrument :
MSVOA_W
ClientSampleId :
FESB-10(8-8.5)

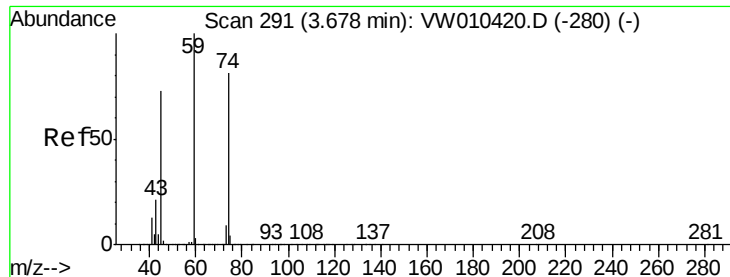
Tgt Ion: 50 Resp: 1925
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.0



#5
Bromomethane
Concen: Below Cal
RT: 2.76 min Scan# 141
Delta R.T. 0.01 min
Lab File: VW010439.D
Acq: 18 May 2019 05:01

Tgt Ion: 94 Resp: 3227
Ion Ratio Lower Upper
94 100
96 30.2 75.8 113.6#





#8

Diethyl Ether

Concen: 1.789 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

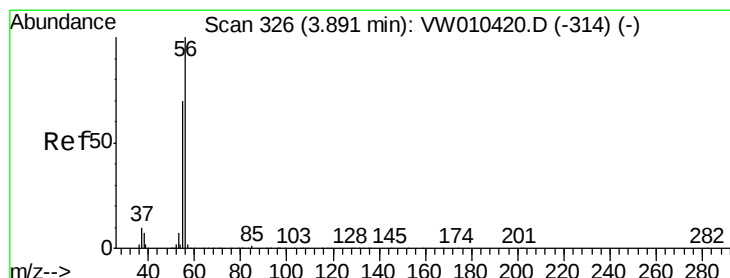
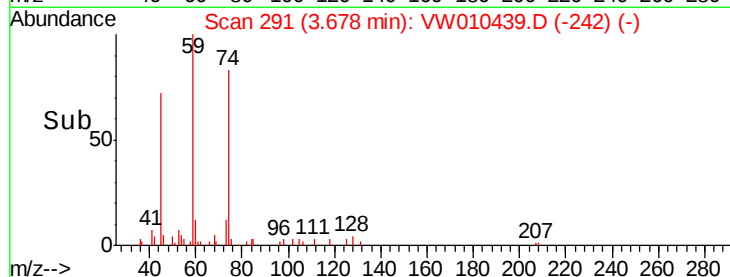
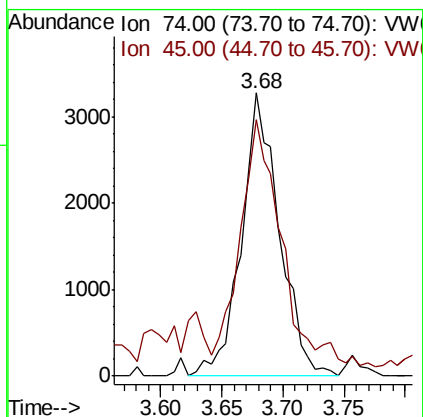
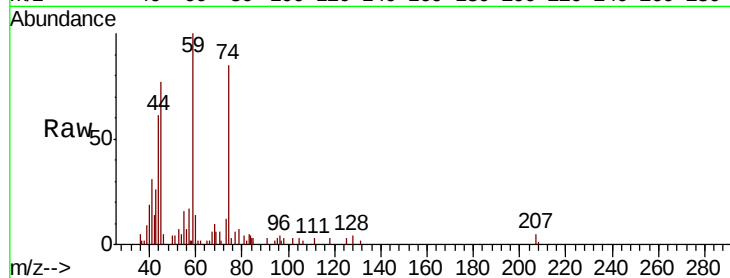
FESB-10(8-8.5)

Tgt Ion: 74 Resp: 7037

Ion Ratio Lower Upper

74 100

45 91.3 43.4 130.2



#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW010439.D

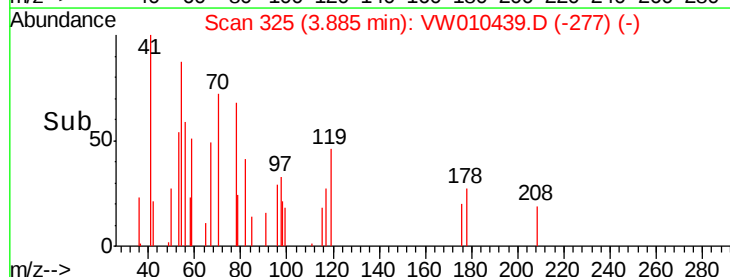
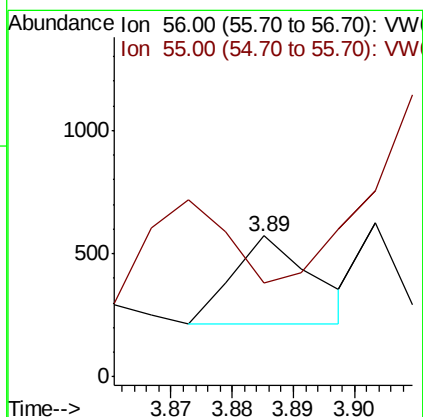
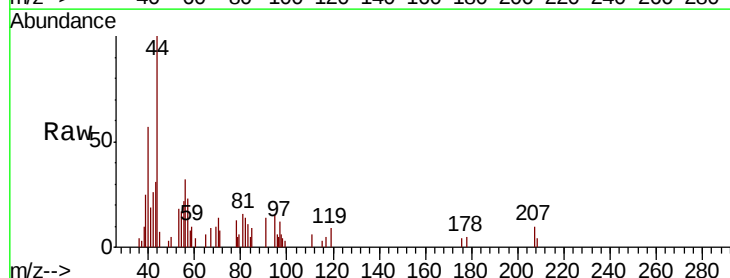
Acq: 18 May 2019 05:01

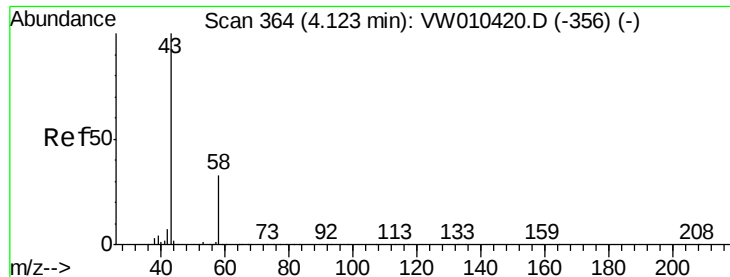
Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

55 124.1 57.6 86.4#





#16

Acetone

Concen: 64.532 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

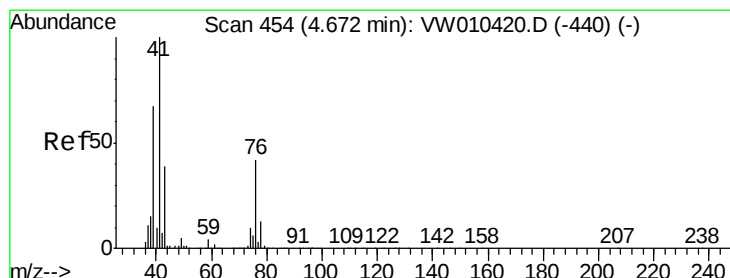
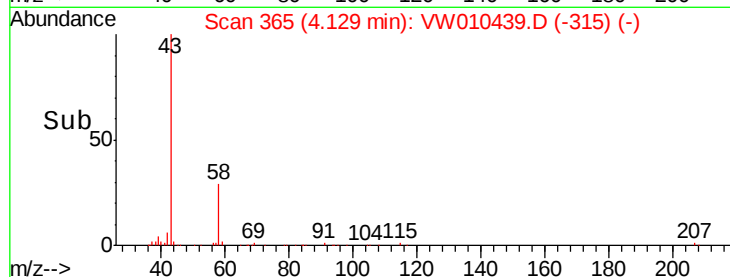
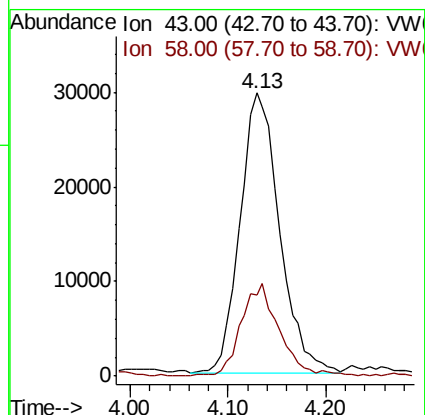
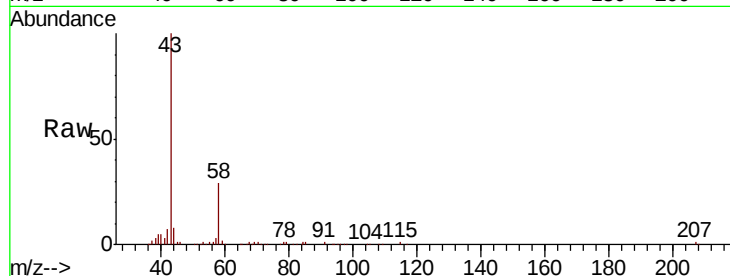
FESB-10(8-8.5)

Tgt Ion: 43 Resp: 82986

Ion Ratio Lower Upper

43 100

58 29.1 26.0 39.0



#18

Methyl Acetate

Concen: 2.346 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010439.D

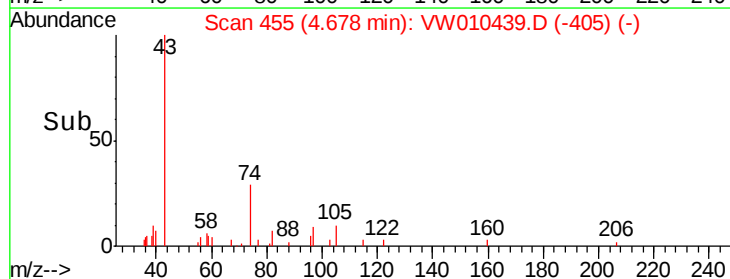
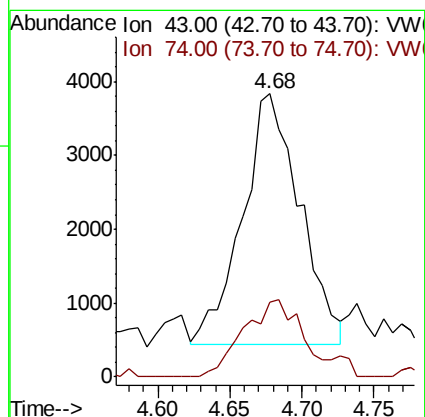
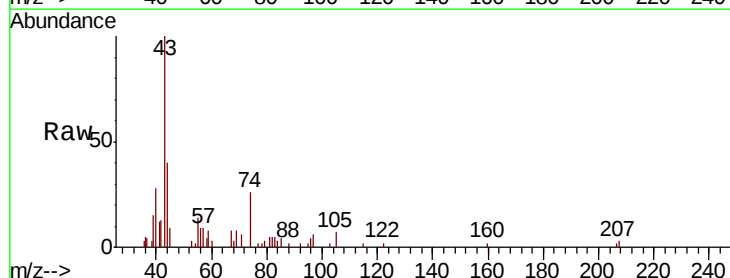
Acq: 18 May 2019 05:01

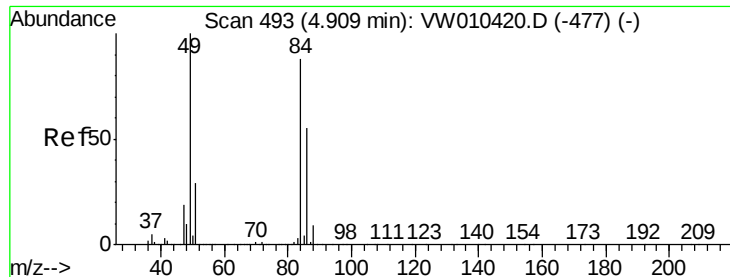
Tgt Ion: 43 Resp: 9427

Ion Ratio Lower Upper

43 100

74 33.7 21.2 31.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

FESB-10(8-8.5)

Tgt Ion: 84 Resp: 18968

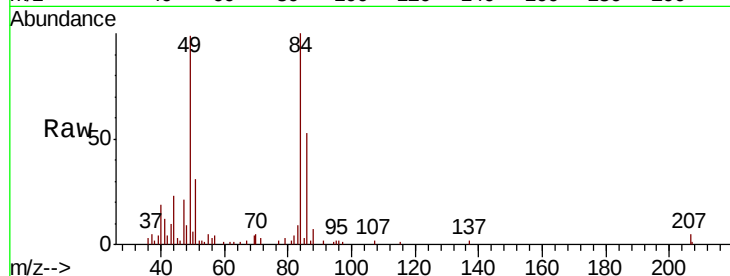
Ion Ratio Lower Upper

84 100

49 99.8 90.6 135.8

51 30.3 26.6 40.0

86 53.8 49.7 74.5

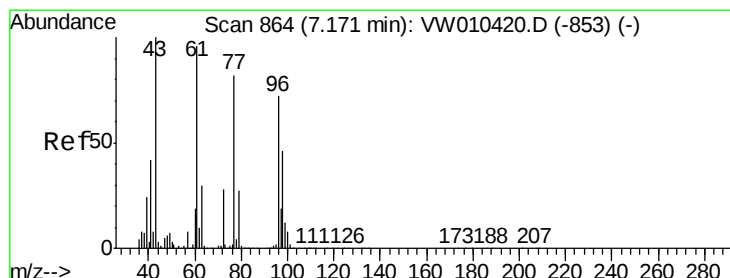
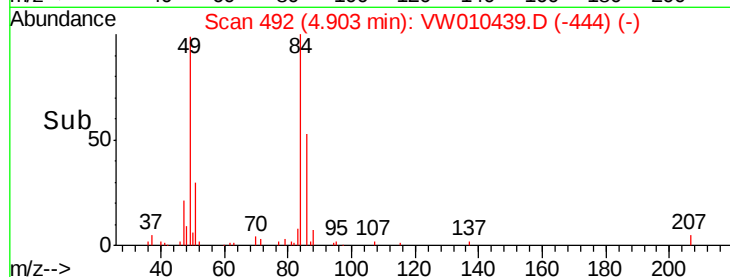
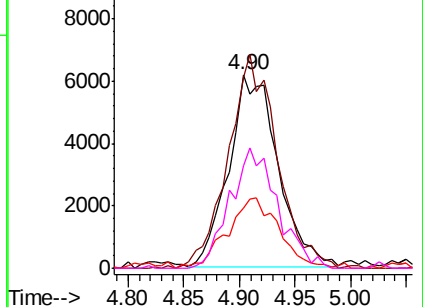


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 2.073 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010439.D

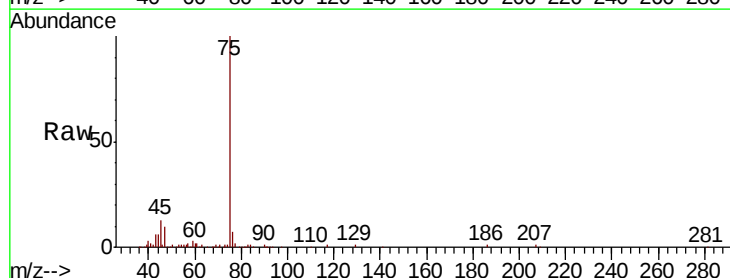
Acq: 18 May 2019 05:01

Tgt Ion: 43 Resp: 4544

Ion Ratio Lower Upper

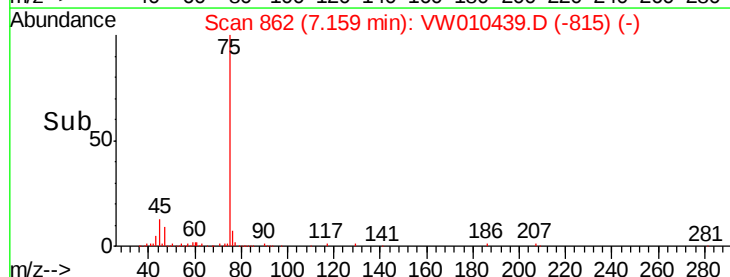
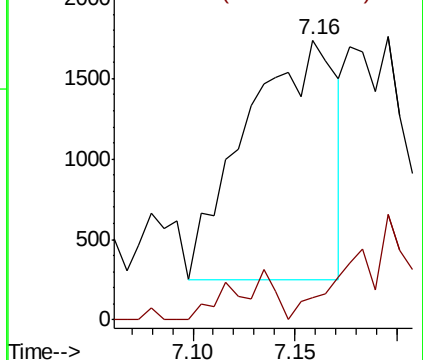
43 100

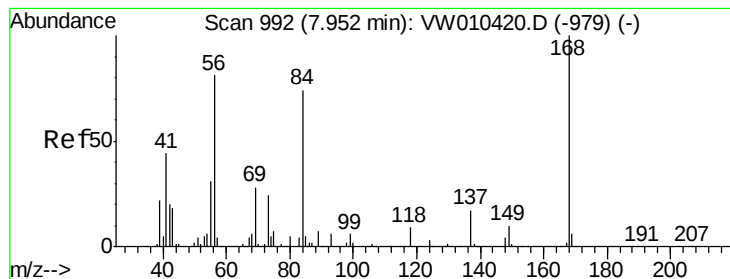
72 9.2 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

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MSVOA_W

ClientSampleId :

FESB-10(8-8.5)

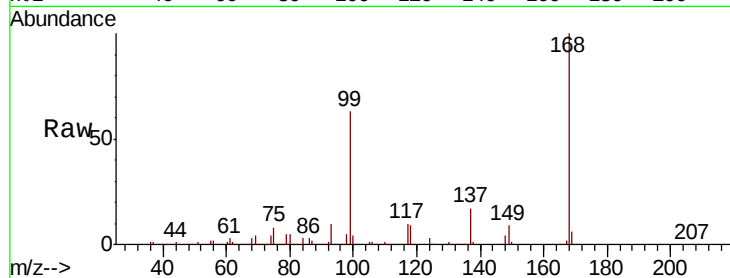
Tgt Ion: 56 Resp: 14031

Ion Ratio Lower Upper

56 100

69 203.1 27.6 41.4#

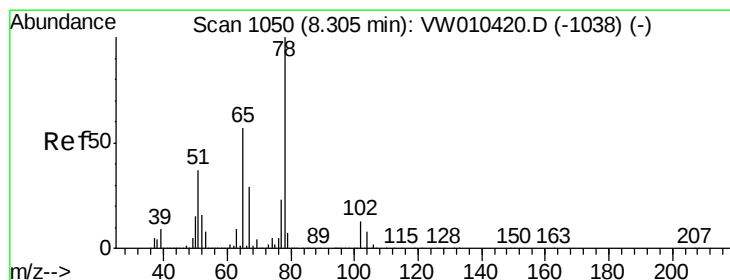
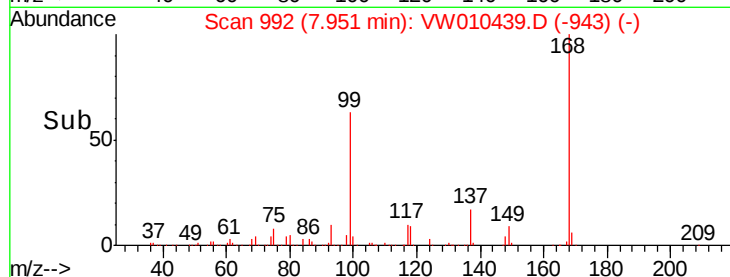
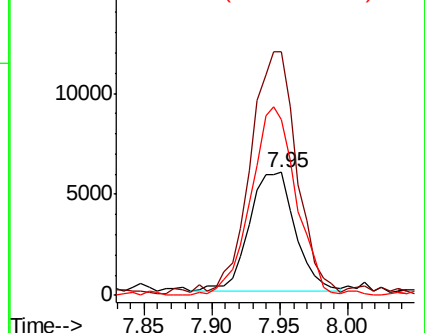
84 148.2 72.9 109.3#



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: 60.246 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010439.D

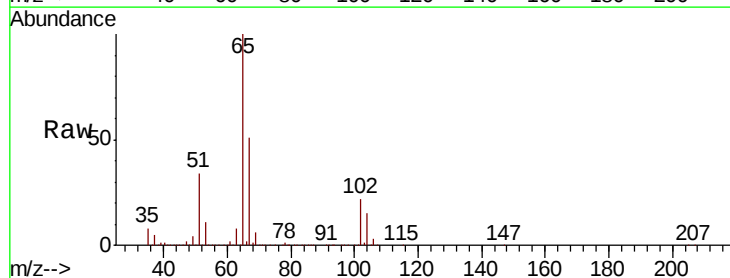
Acq: 18 May 2019 05:01

Tgt Ion: 65 Resp: 439824

Ion Ratio Lower Upper

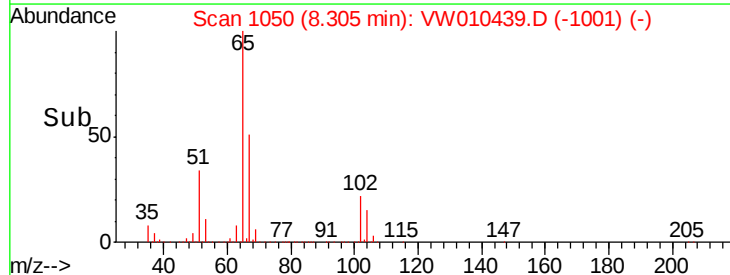
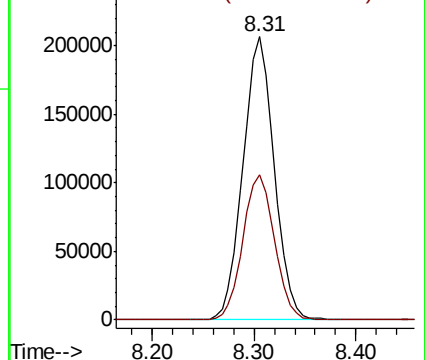
65 100

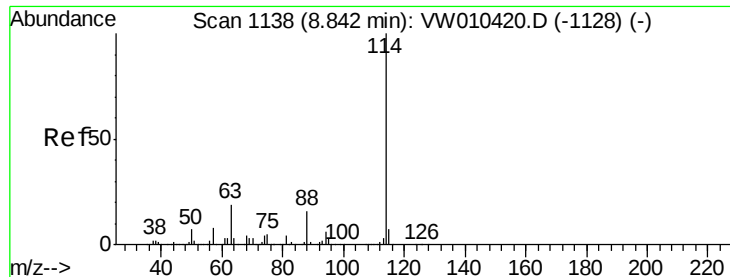
67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

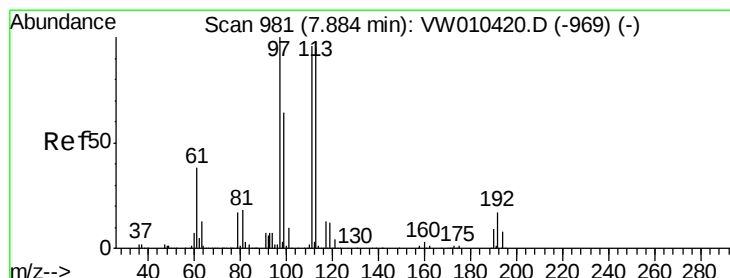
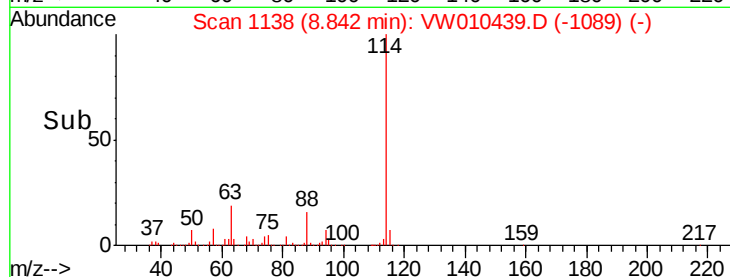
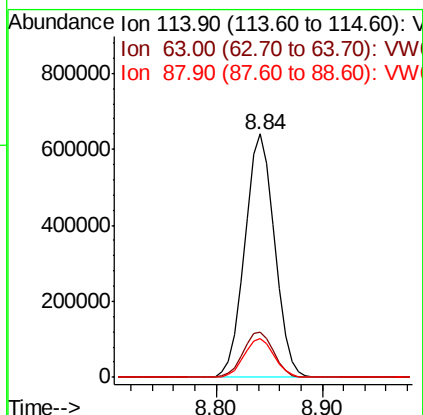
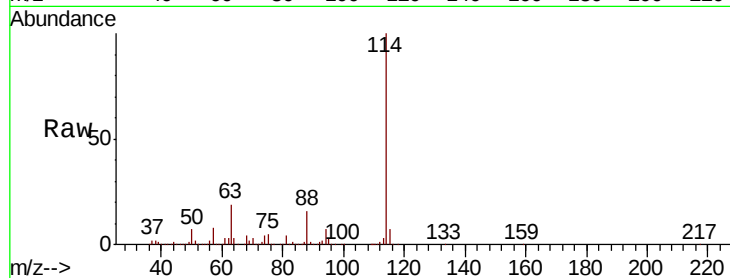




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010439.D
 Acq: 18 May 2019 05:01

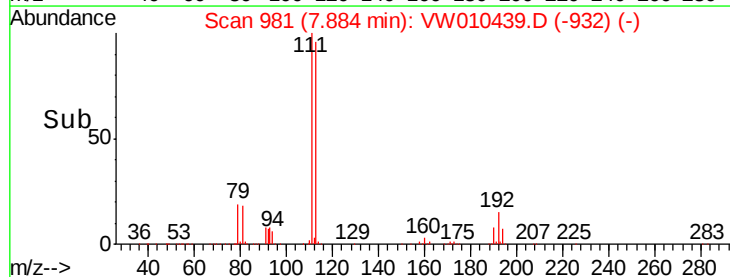
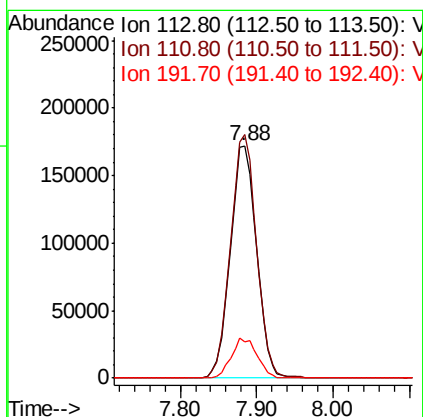
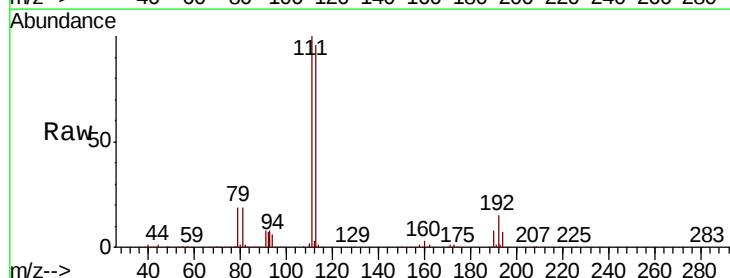
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-10(8-8.5)

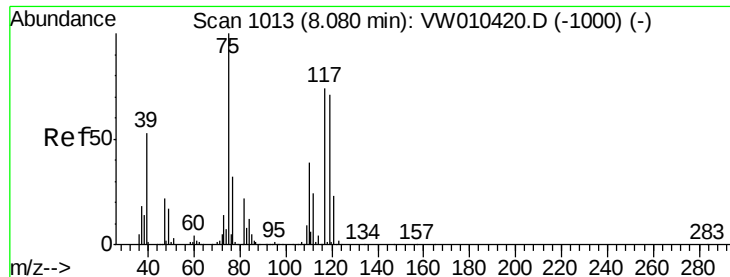
Tgt Ion:114 Resp: 1260301
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.8
 88 15.8 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 52.534 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010439.D
 Acq: 18 May 2019 05:01

Tgt Ion:113 Resp: 408921
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.5 123.7
 192 17.2 14.2 21.4

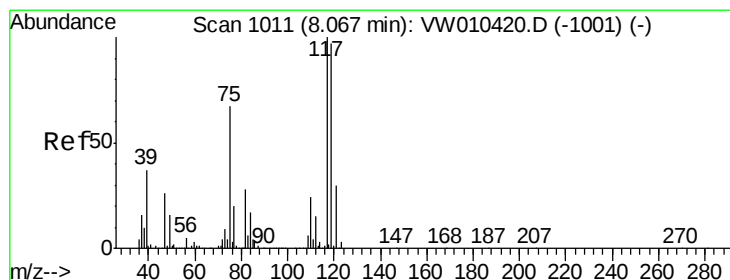
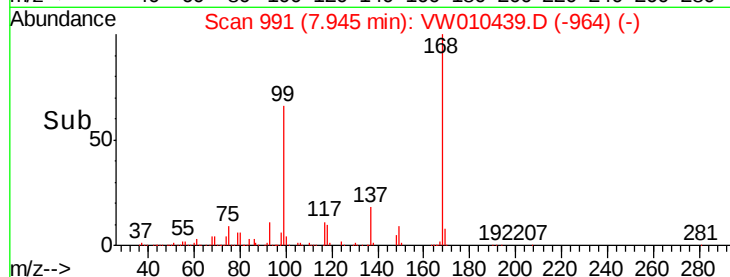
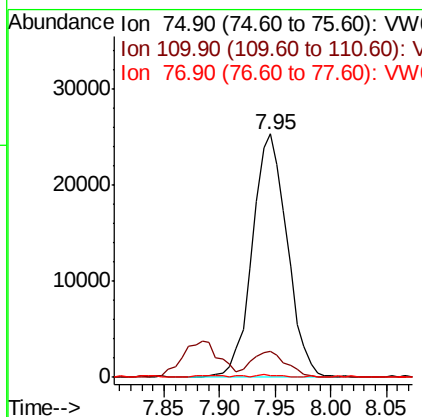
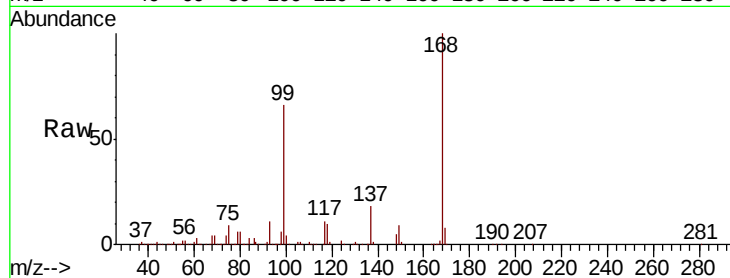




#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010439.D
 Acq: 18 May 2019 05:01

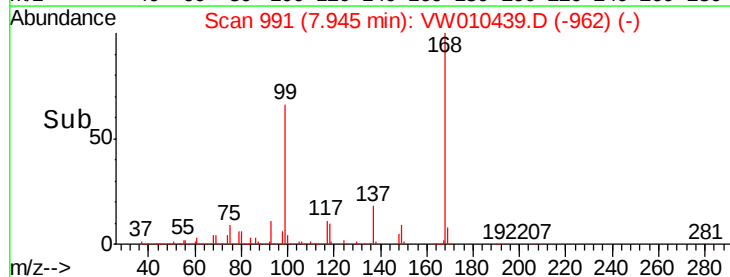
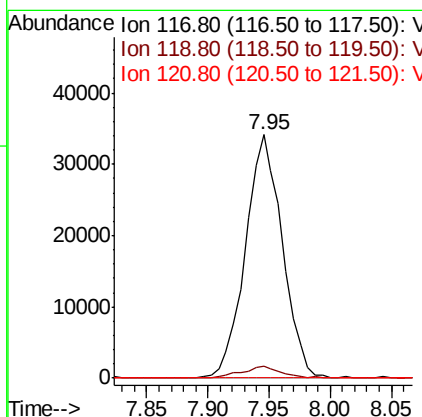
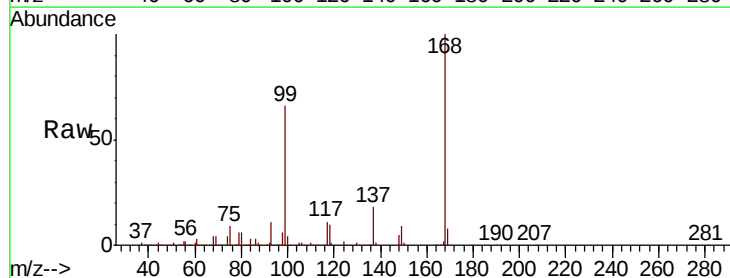
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-10(8-8.5)

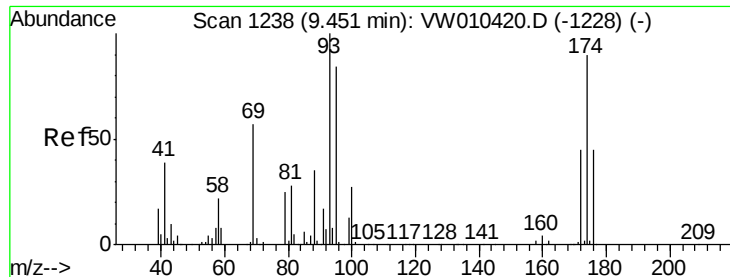
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.4	58.1#
77	0.7	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.954 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010439.D
 Acq: 18 May 2019 05:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.8	116.6#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 1.101 ug/l

RT: 9.52 min Scan# 1250

Delta R.T. 0.07 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

FESB-10(8-8.5)

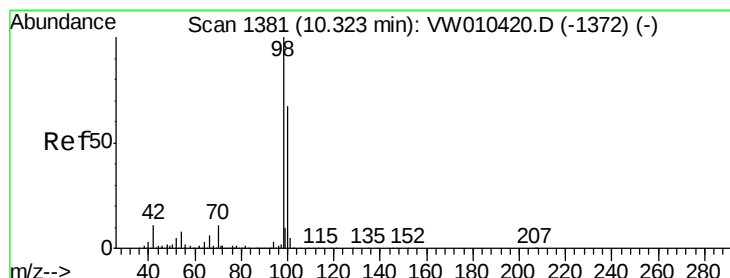
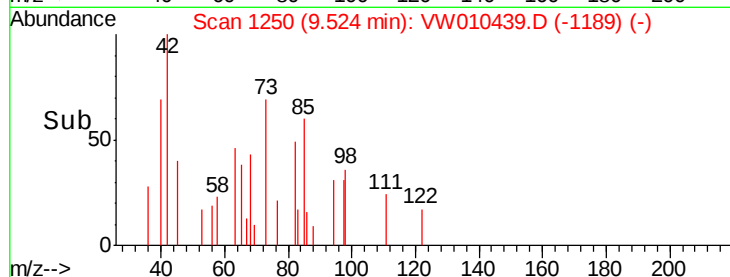
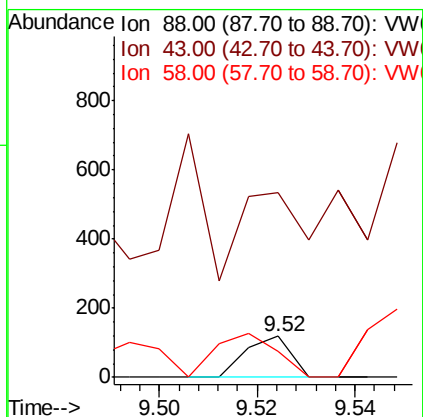
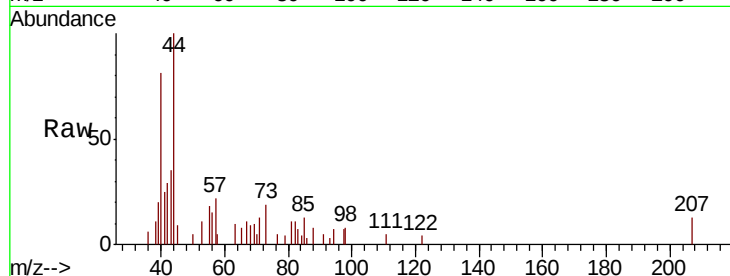
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 142.7 24.9 37.3#

58 145.3 55.0 82.6#



#50

Toluene-d8

Concen: 53.725 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010439.D

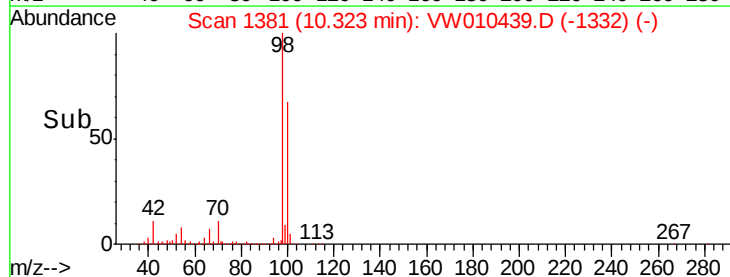
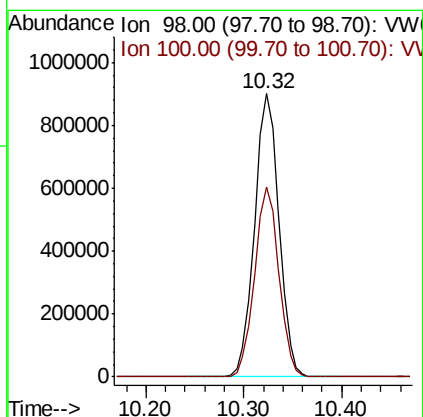
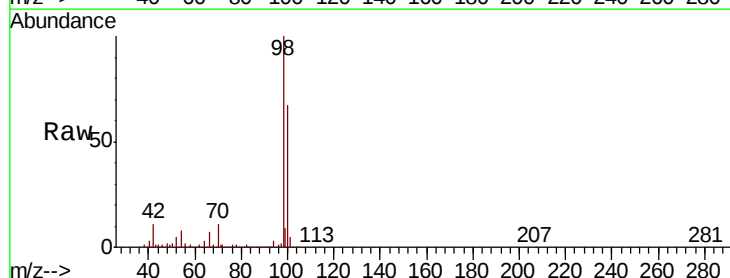
Acq: 18 May 2019 05:01

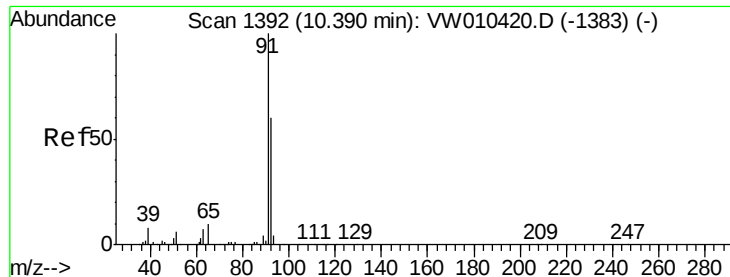
Tgt Ion: 98 Resp: 1559480

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9





#52

Toluene

Concen: 1.299 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

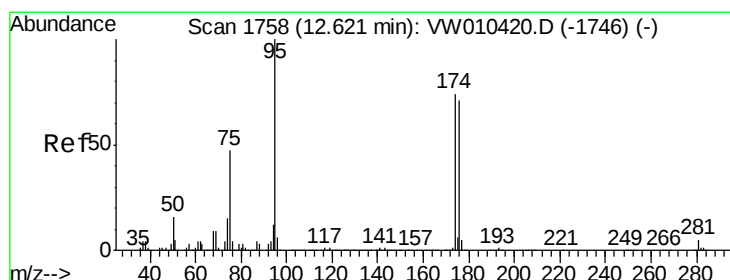
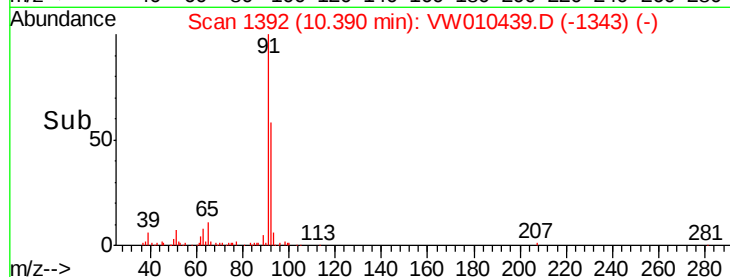
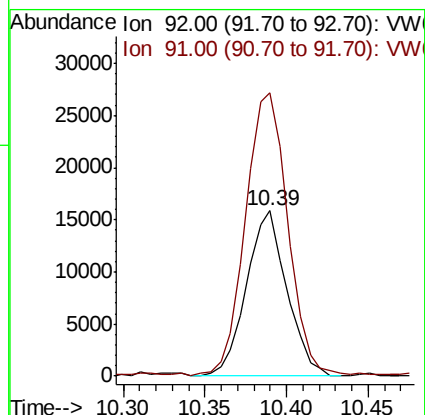
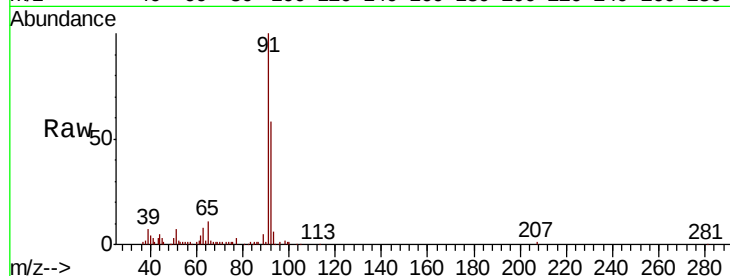
FESB-10(8-8.5)

Tgt Ion: 92 Resp: 27468

Ion Ratio Lower Upper

92 100

91 179.1 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 51.539 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

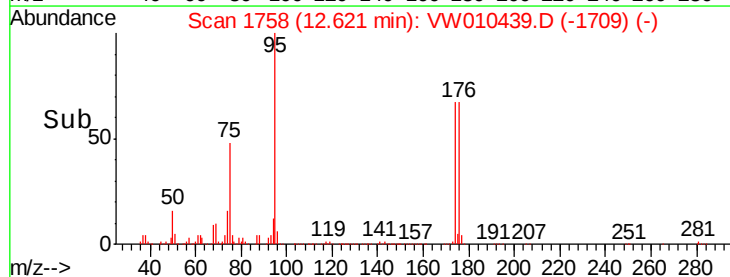
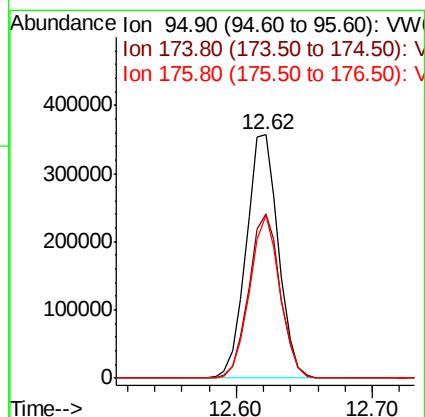
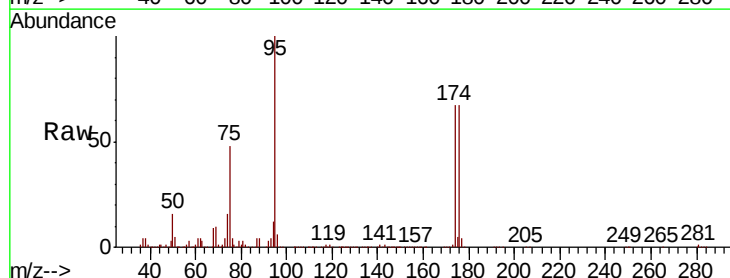
Tgt Ion: 95 Resp: 587357

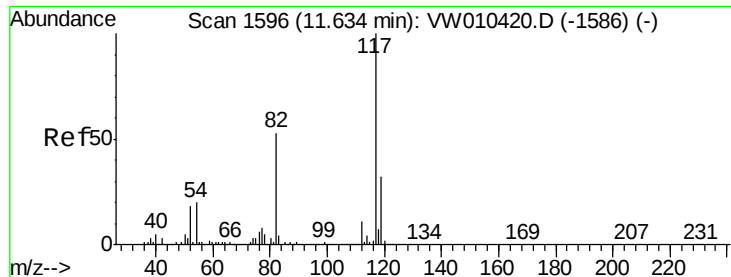
Ion Ratio Lower Upper

95 100

174 66.3 0.0 146.6

176 63.9 0.0 141.4

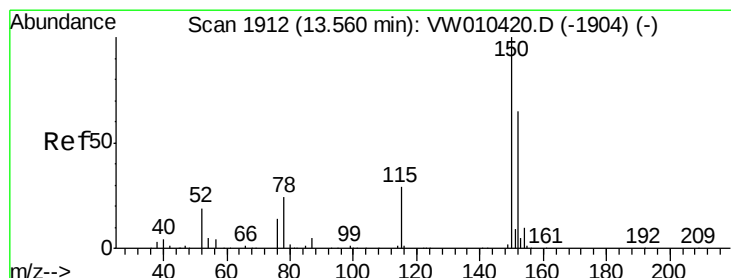
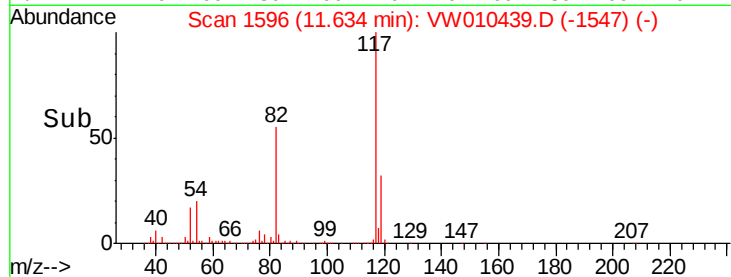
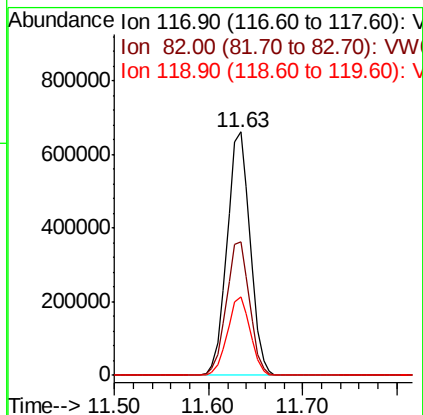
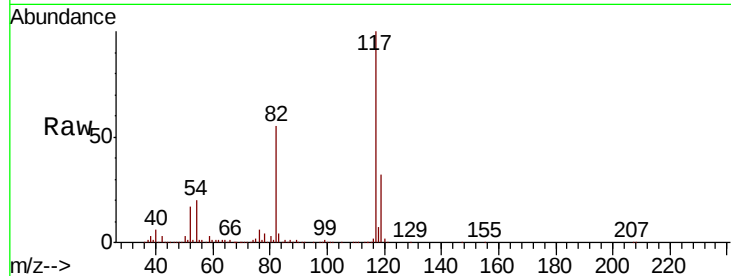




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010439.D
Acq: 18 May 2019 05:01

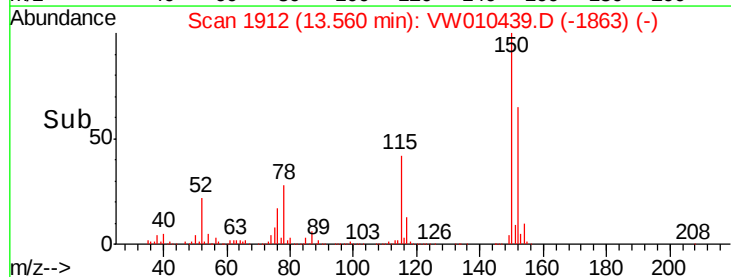
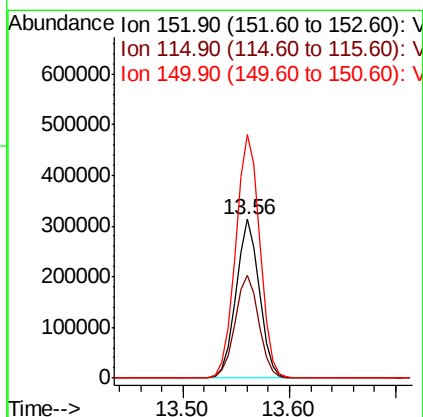
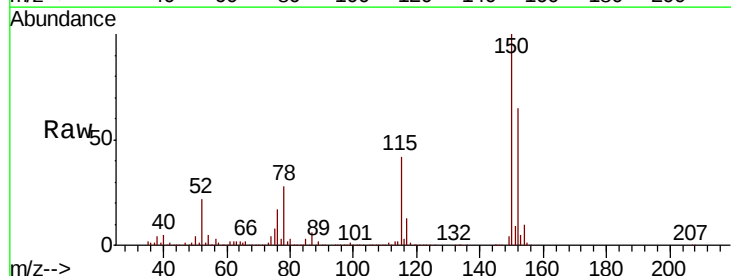
Instrument :
MSVOA_W
ClientSampleId :
FESB-10(8-8.5)

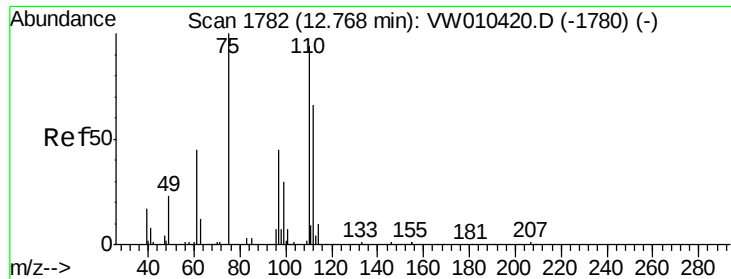
Tgt Ion:117 Resp: 1120226
Ion Ratio Lower Upper
117 100
82 54.8 42.1 63.1
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010439.D
Acq: 18 May 2019 05:01

Tgt Ion:152 Resp: 481410
Ion Ratio Lower Upper
152 100
115 66.0 30.0 90.1
150 158.5 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 55.135 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

Instrument :

MSVOA_W

ClientSampleId :

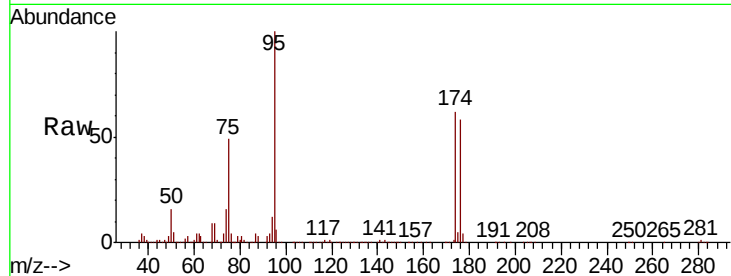
FESB-10(8-8.5)

Tgt Ion: 75 Resp: 284222

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

200000

150000

100000

50000

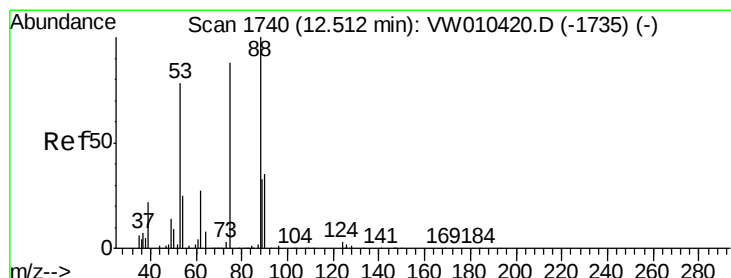
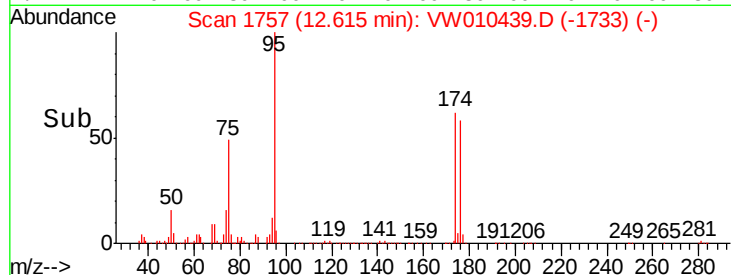
0

12.62

12.60

12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.799 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010439.D

Acq: 18 May 2019 05:01

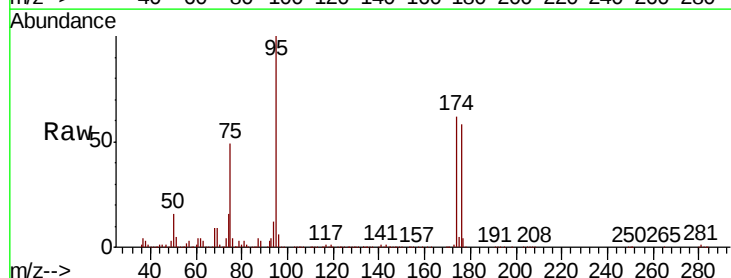
Tgt Ion: 75 Resp: 284222

Ion Ratio Lower Upper

75 100

53 0.1 70.7 106.1#

89 0.0 38.6 58.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

200000

150000

100000

50000

0

12.62

12.60

12.70

Time-->

