

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010464.D
 Acq On : 20 May 2019 23:13
 Operator : SY/VA
 Sample : K2944-05
 Misc : 5.98G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-5(4.5-5)

Quant Time: May 21 06:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	100980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	191451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	162505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66124	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	65314	62.66	ug/l	0.00
Spiked Amount			Recovery	=	125.32%	
35) Dibromofluoromethane	7.88	113	59503	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	10.32	98	232451	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.62	95	81972	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

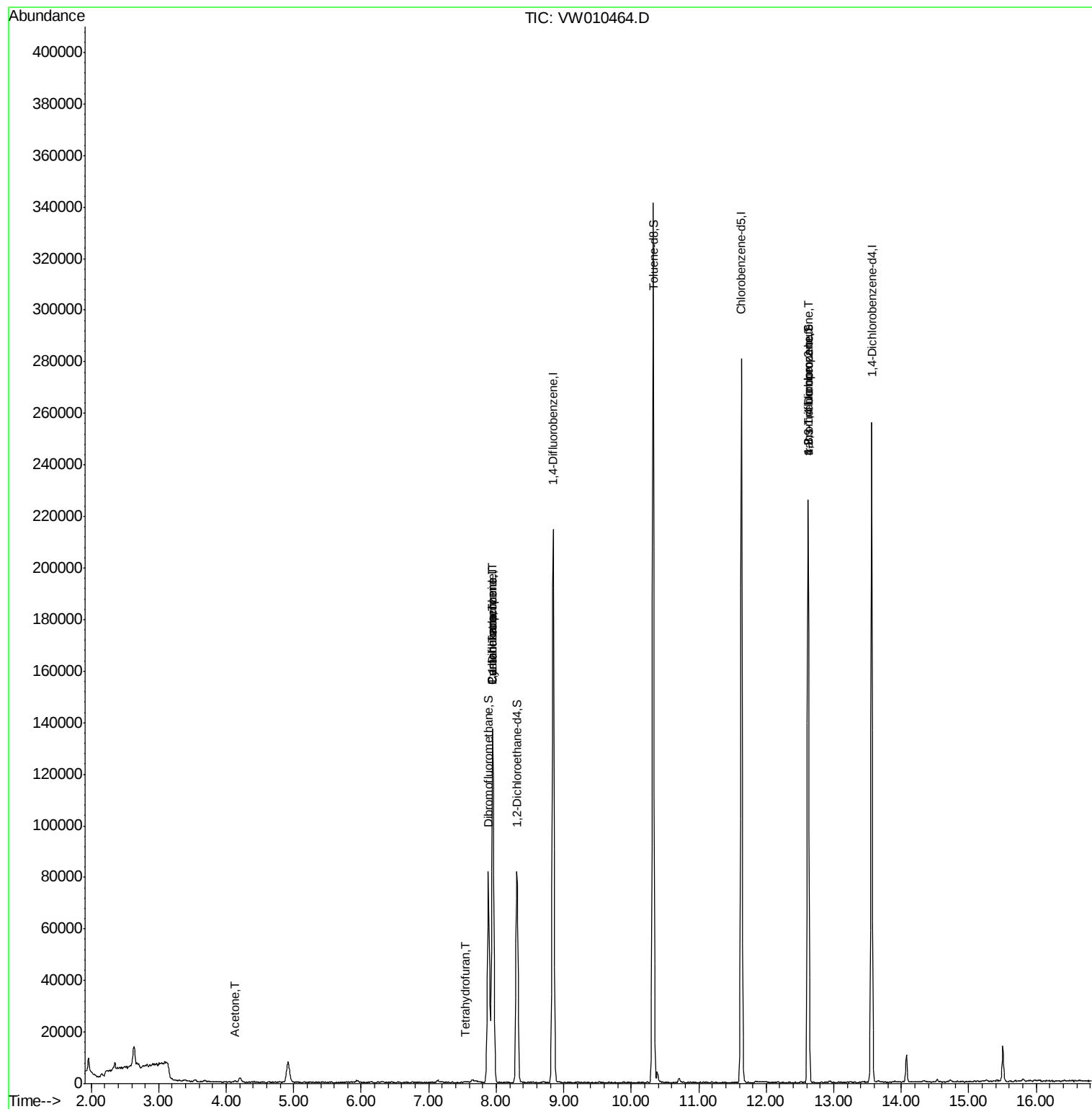
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	109	Below Cal	#	42
13) Acrolein	3.73	56	55	Below Cal	#	19
16) Acetone	4.13	43	722	3.394	ug/l	96
29) Tetrahydrofuran	7.54	42	282	1.369	ug/l #	42
31) Cyclohexane	7.95	56	2139	1.081	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	7981	4.475	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10797	5.612	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	39162	58.346	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	39162	121.770	ug/l #	14

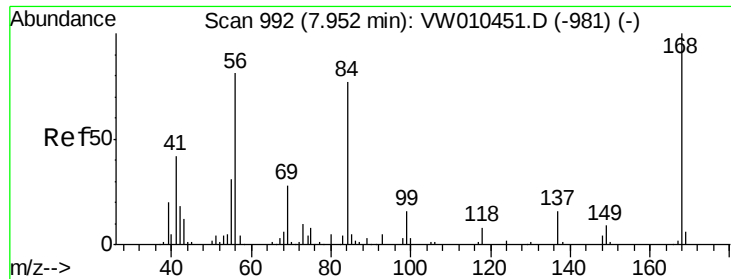
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampleId :

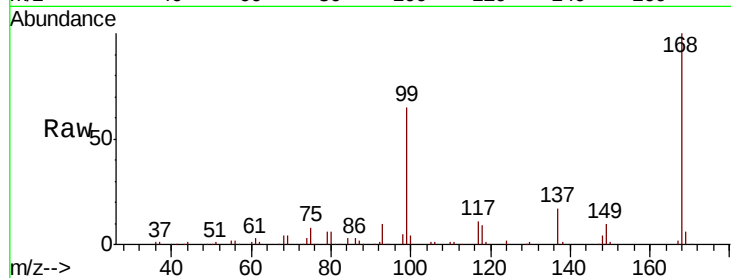
FESB-5(4.5-5)

Tot Ion:168 Resp: 100980

Ion Ratio Lower Upper

168 100

99 65.4 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

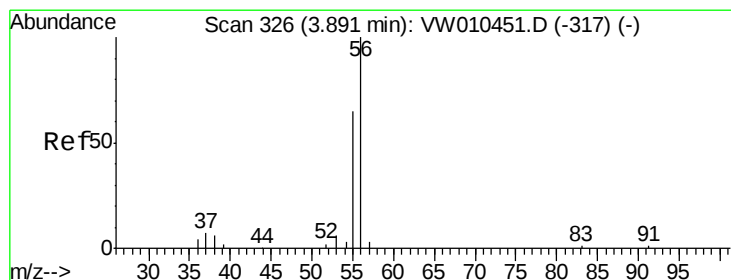
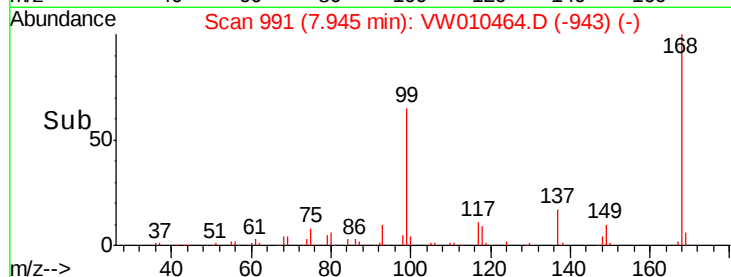
20000

10000

0

Time-->

7.90 8.00 8.10



#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 299

Delta R.T. -0.16 min

Lab File: VW010464.D

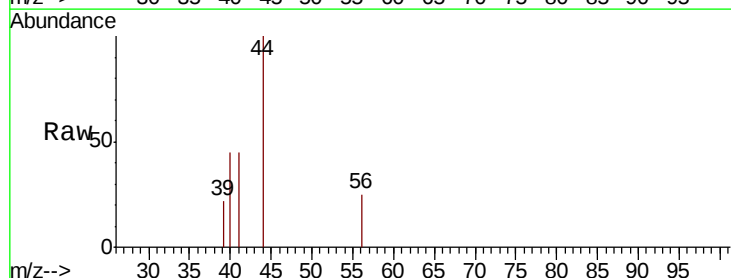
Acq: 20 May 2019 23:13

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 140.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.73

100

80

60

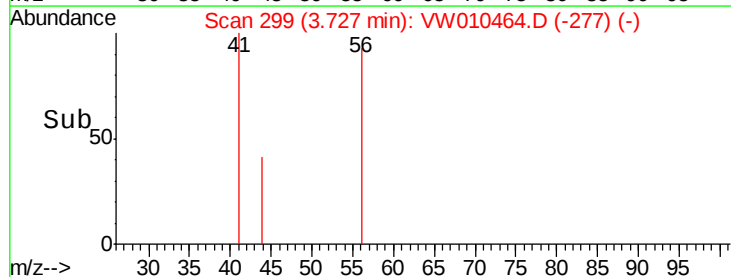
40

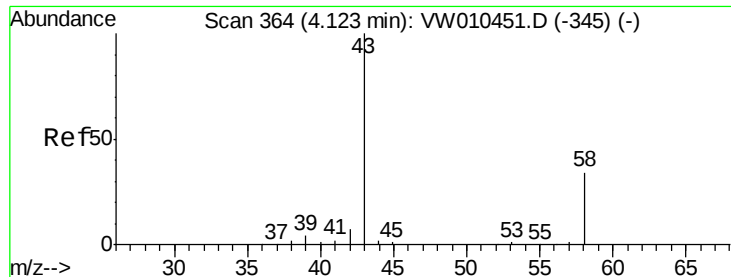
20

0

Time-->

3.70 3.72 3.74





#16

Acetone

Concen: 3.394 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampleId :

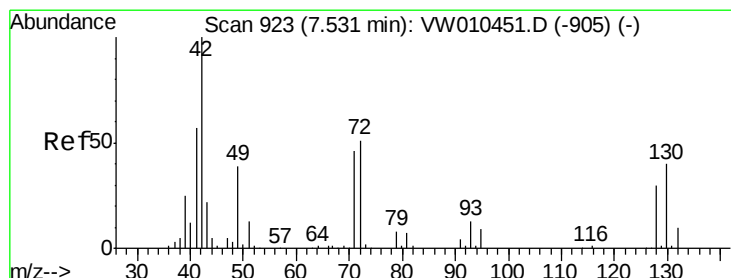
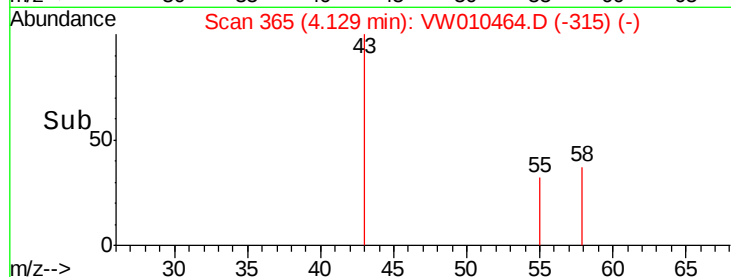
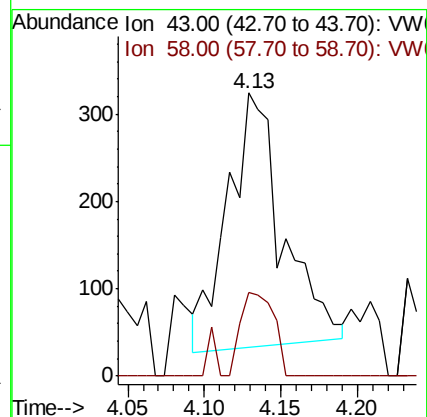
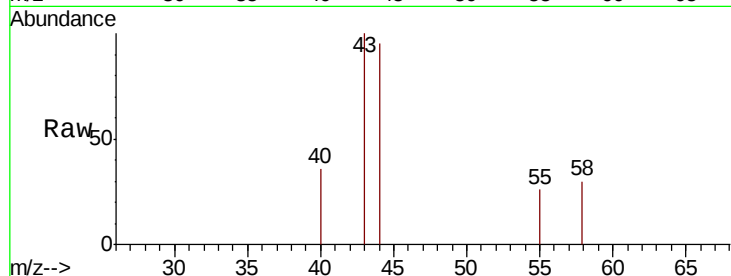
FESB-5(4.5-5)

Tot Ion: 43 Resp: 722

Ion Ratio Lower Upper

43 100

58 36.2 27.0 40.4



#29

Tetrahydrofuran

Concen: 1.369 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

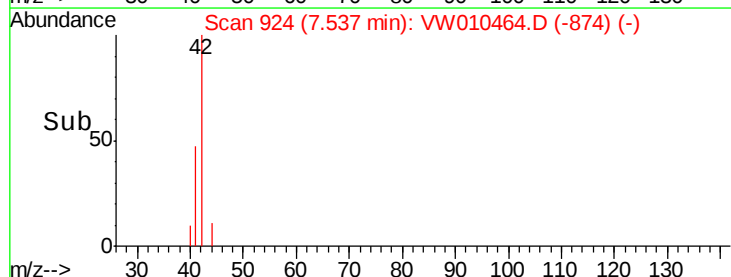
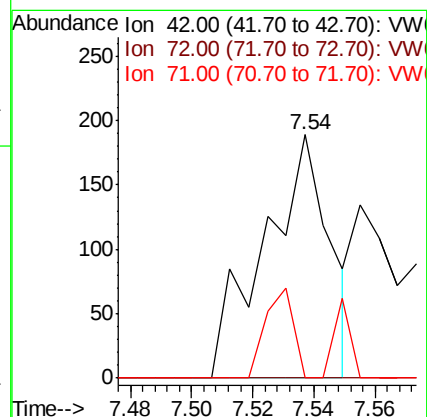
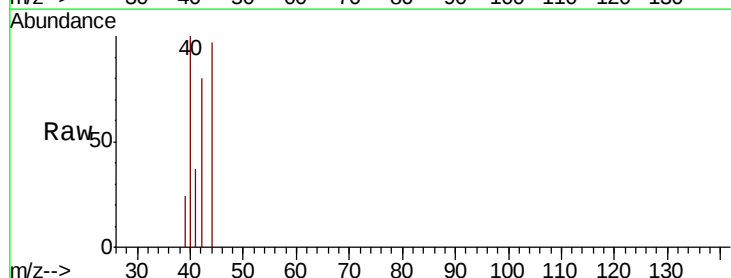
Tgt Ion: 42 Resp: 282

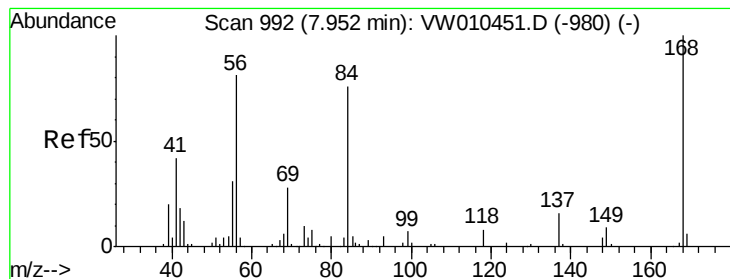
Ion Ratio Lower Upper

42 100

72 0.0 38.5 57.7#

71 16.0 36.5 54.7#





#31

Cyclohexane

Concen: 1.081 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampleId :

FESB-5(4.5-5)

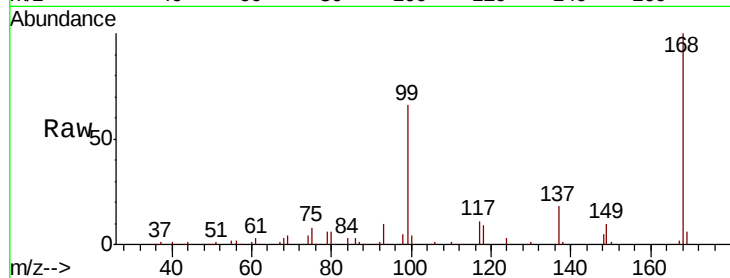
Tot Ion: 56 Resp: 2139

Ion Ratio Lower Upper

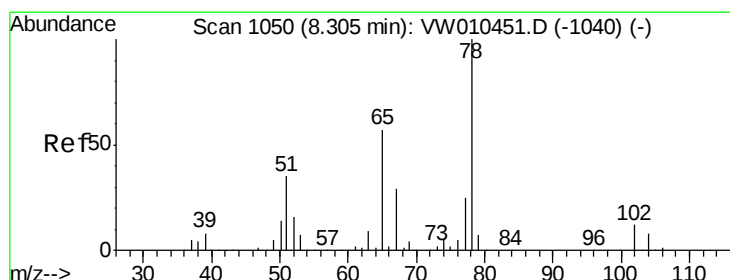
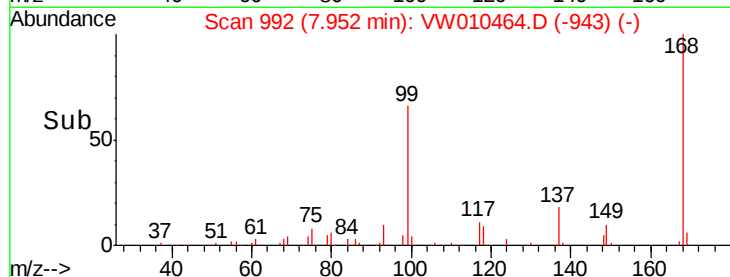
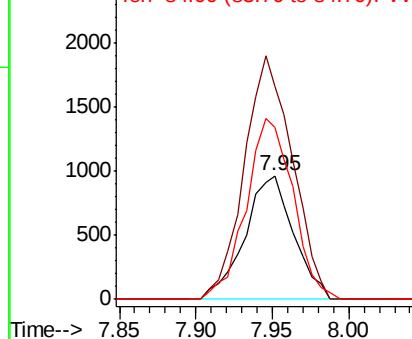
56 100

69 172.1 28.2 42.2#

84 138.8 75.8 113.8#



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: 62.664 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010464.D

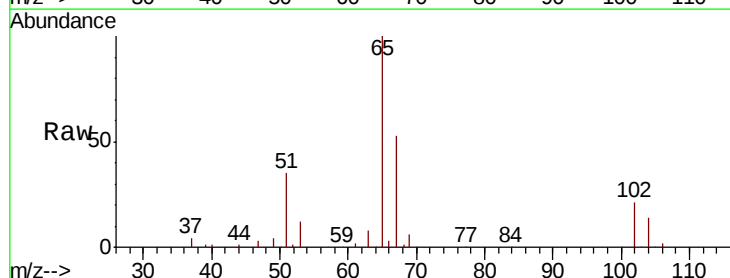
Acq: 20 May 2019 23:13

Tgt Ion: 65 Resp: 65314

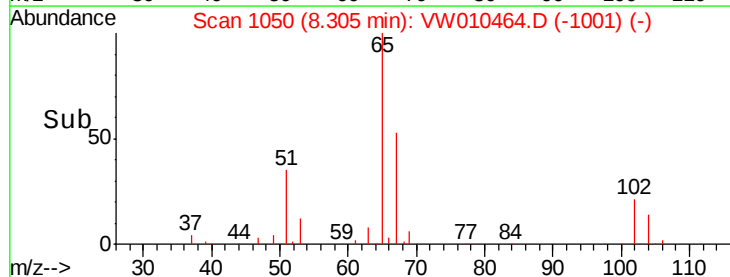
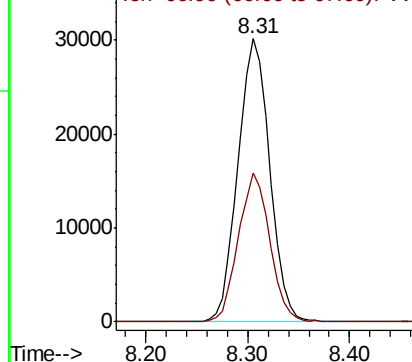
Ion Ratio Lower Upper

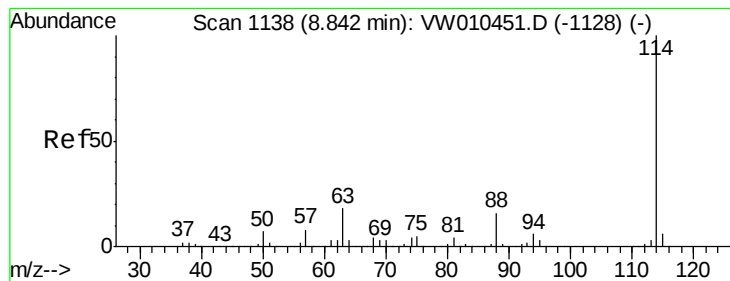
65 100

67 52.0 0.0 103.6



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: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampleId :

FESB-5(4.5-5)

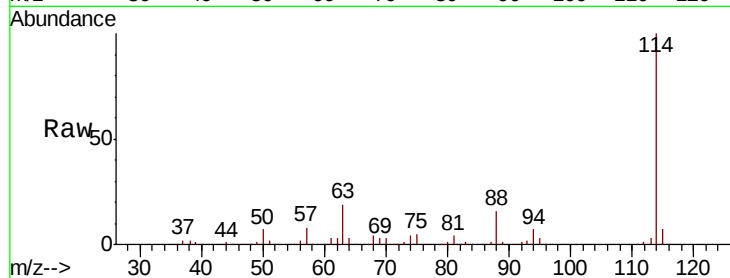
Tot Ion:114 Resp: 191451

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

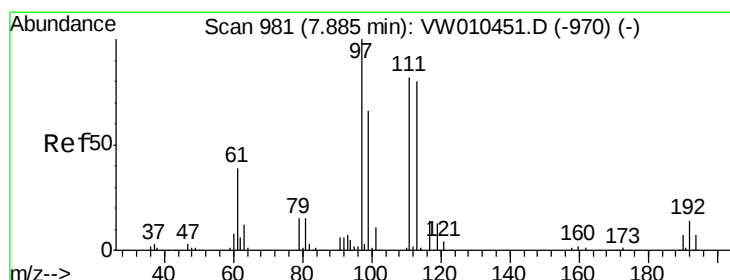
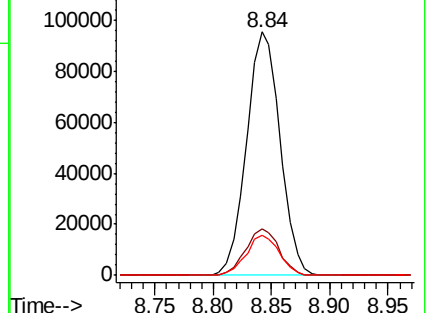
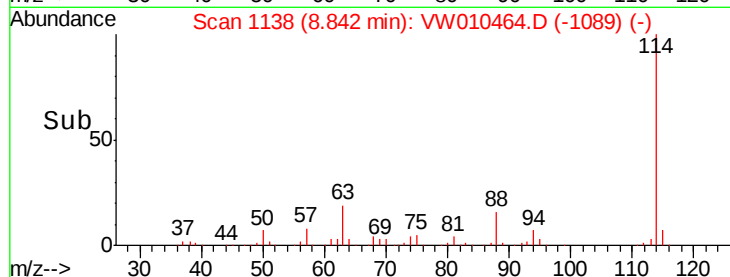
88 16.4 0.0 32.0



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: 51.221 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

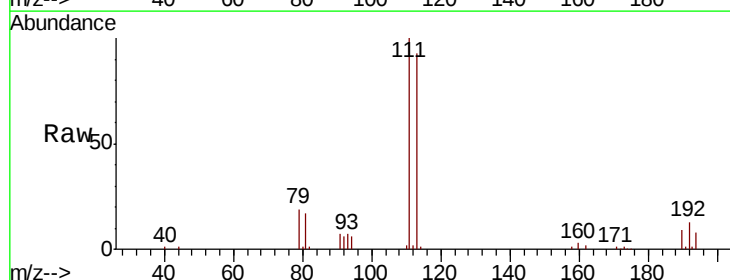
Tgt Ion:113 Resp: 59503

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

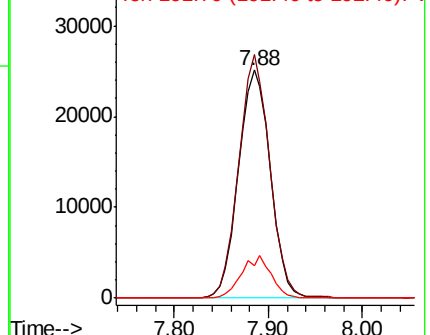
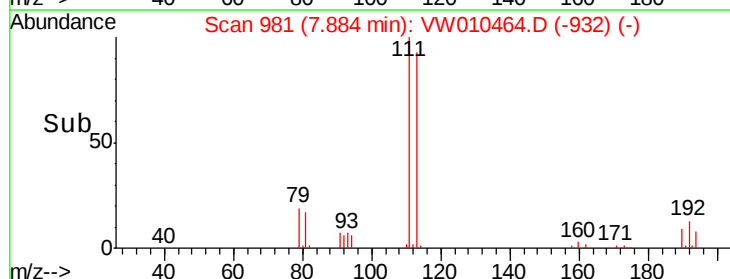
192 17.1 14.3 21.5

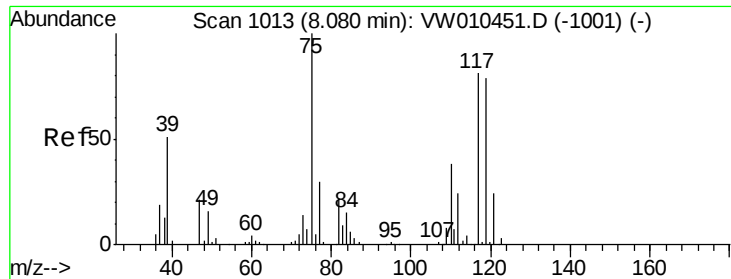


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

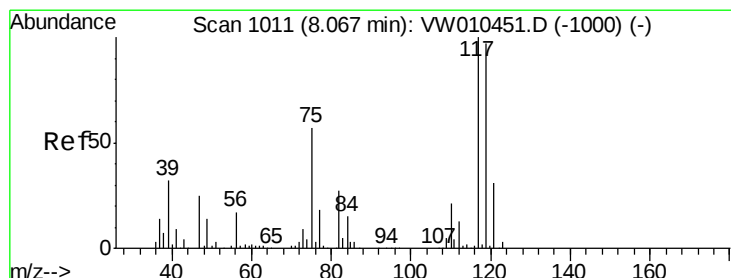
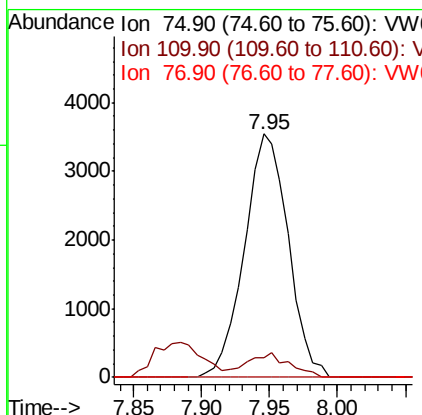
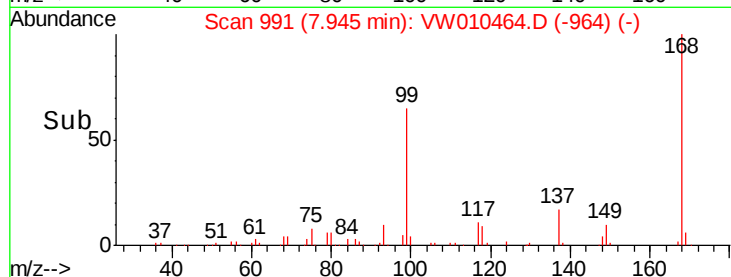
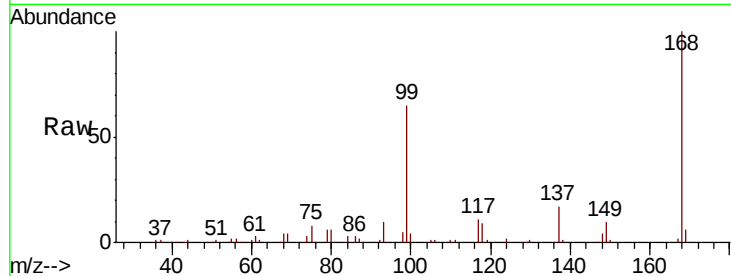




#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010464.D
 Acq: 20 May 2019 23:13

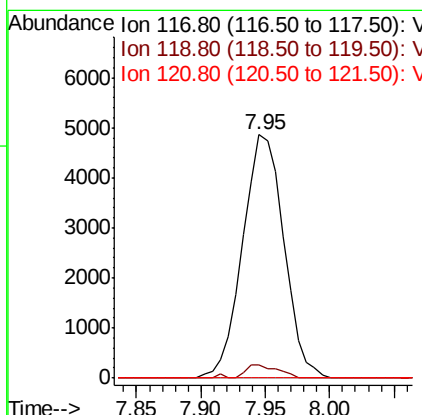
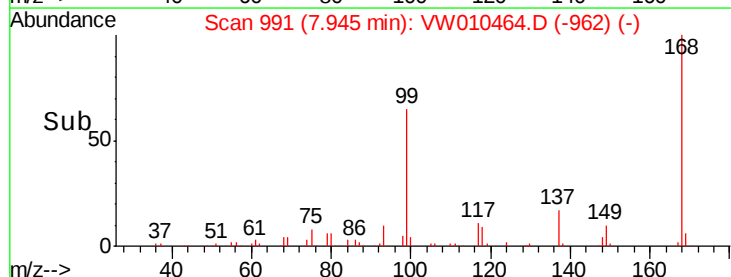
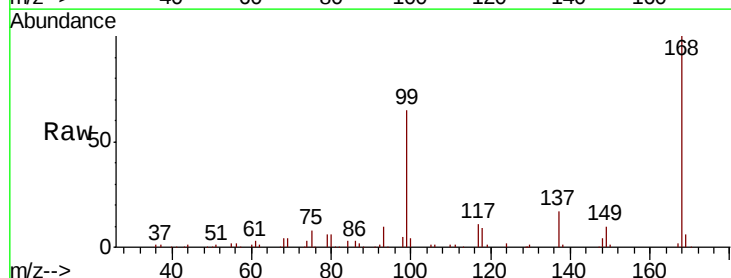
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-5(4.5-5)

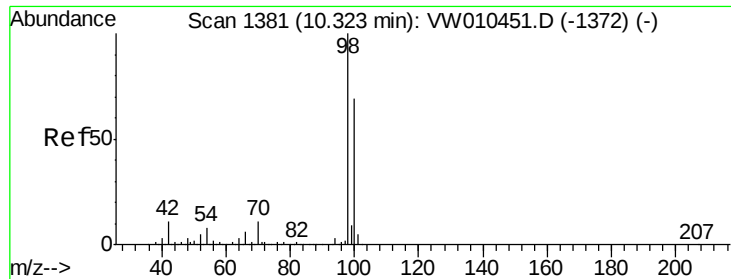
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.2	57.6#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.612 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010464.D
 Acq: 20 May 2019 23:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.4	116.0#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 52.378 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampleId :

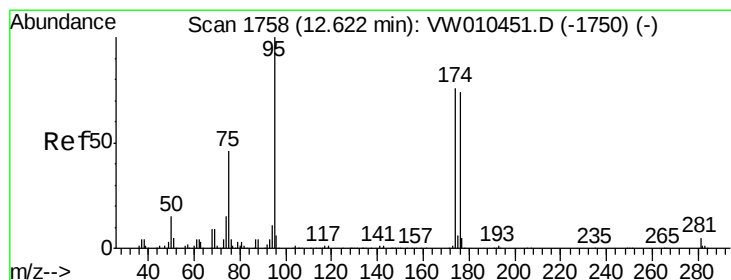
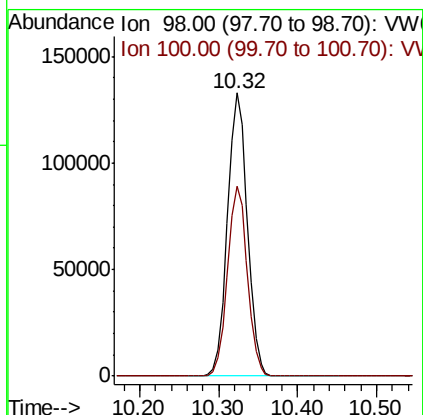
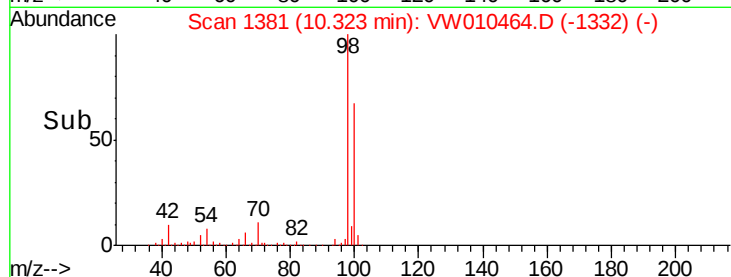
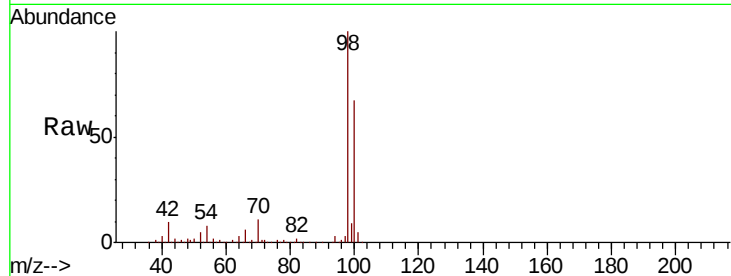
FESB-5(4.5-5)

Tot Ion: 98 Resp: 232451

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 46.372 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

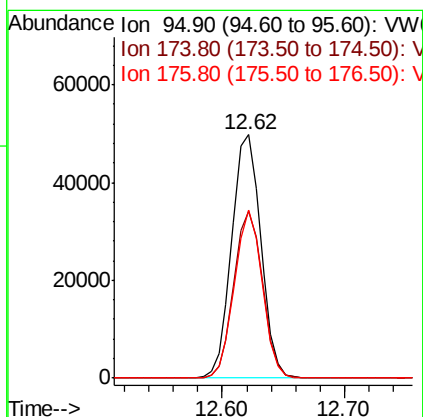
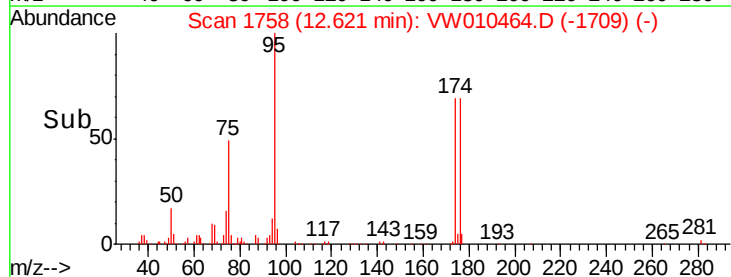
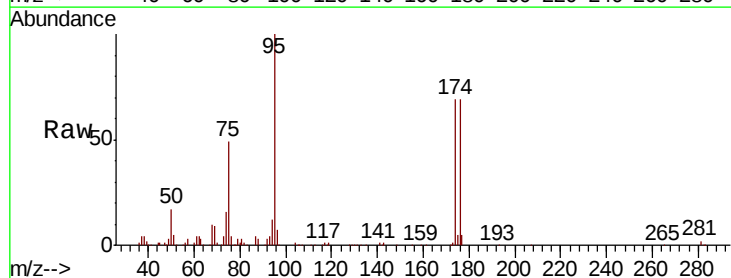
Tgt Ion: 95 Resp: 81972

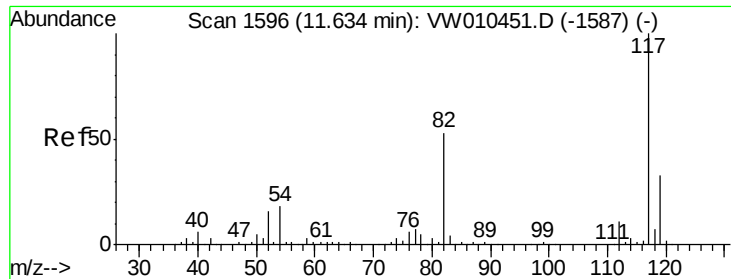
Ion Ratio Lower Upper

95 100

174 67.6 0.0 148.6

176 65.7 0.0 144.2

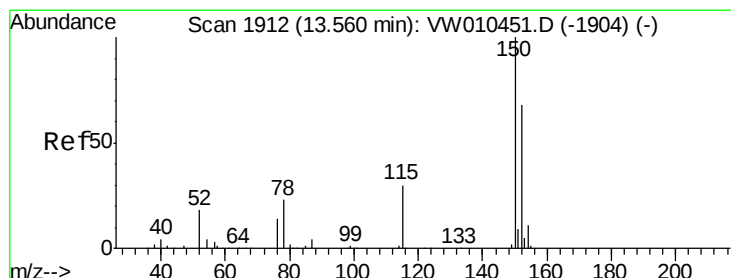
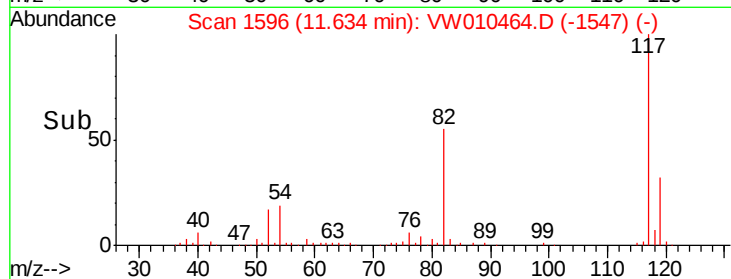
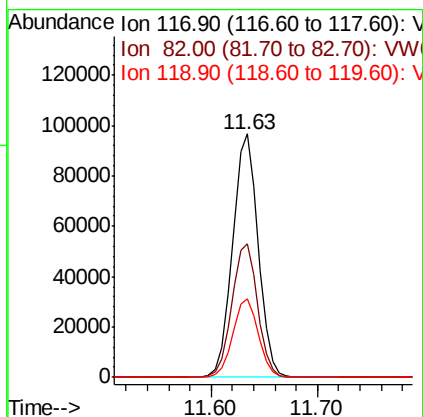
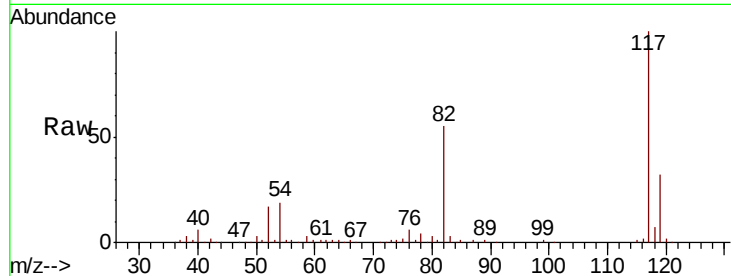




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010464.D
Acq: 20 May 2019 23:13

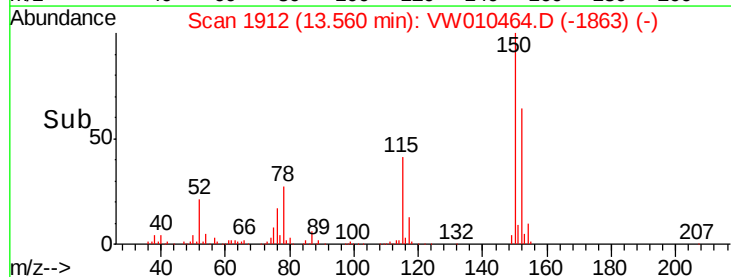
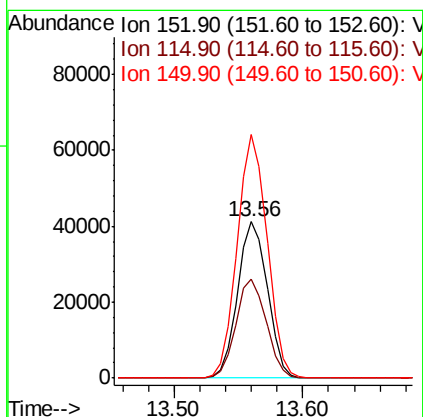
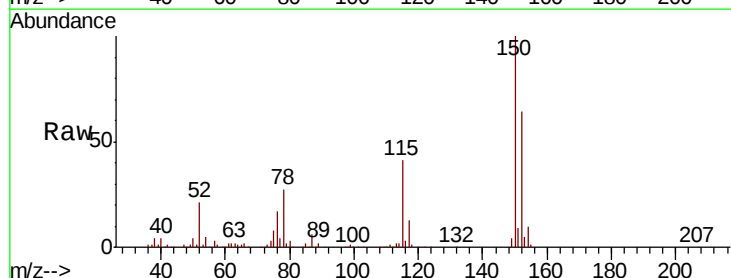
Instrument :
MSVOA_W
ClientSampleId :
FESB-5(4.5-5)

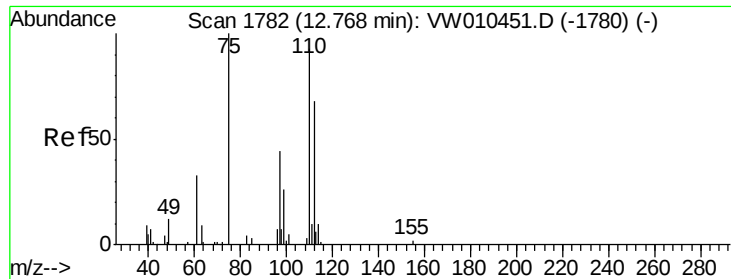
Tot Ion:117 Resp: 162505
Ion Ratio Lower Upper
117 100
82 54.8 42.8 64.2
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010464.D
Acq: 20 May 2019 23:13

Tgt Ion:152 Resp: 66124
Ion Ratio Lower Upper
152 100
115 64.4 30.3 91.0
150 156.1 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 58.346 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Instrument :

MSVOA_W

ClientSampled :

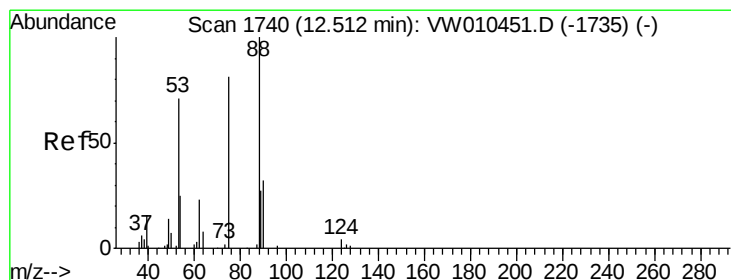
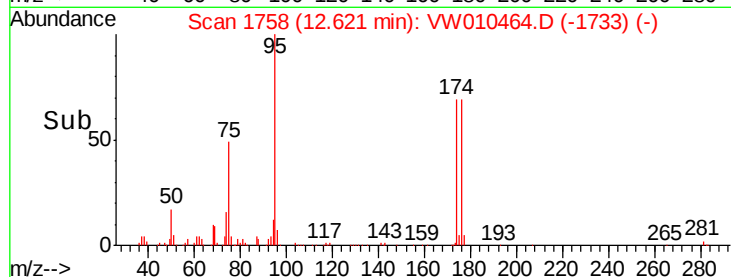
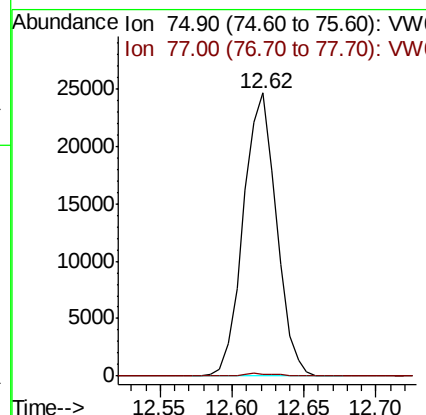
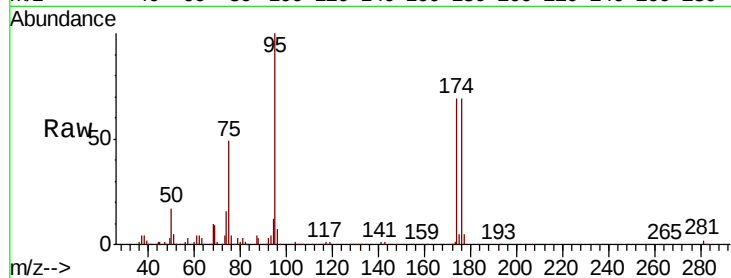
FESB-5(4.5-5)

Tot Ion: 75 Resp: 39162

Ion Ratio Lower Upper

75 100

77 1.1 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.770 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010464.D

Acq: 20 May 2019 23:13

Tgt Ion: 75 Resp: 39162

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 39.5 59.3#

