

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010577.D
 Acq On : 28 May 2019 19:46
 Operator : SY/VA
 Sample : K3076-01
 Misc : 4.91G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-07(5-5.5)

Quant Time: May 29 07:03:53 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	128618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	228364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75773	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	70027	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	7.88	113	69138	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.32	98	277214	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.62	95	94209	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	

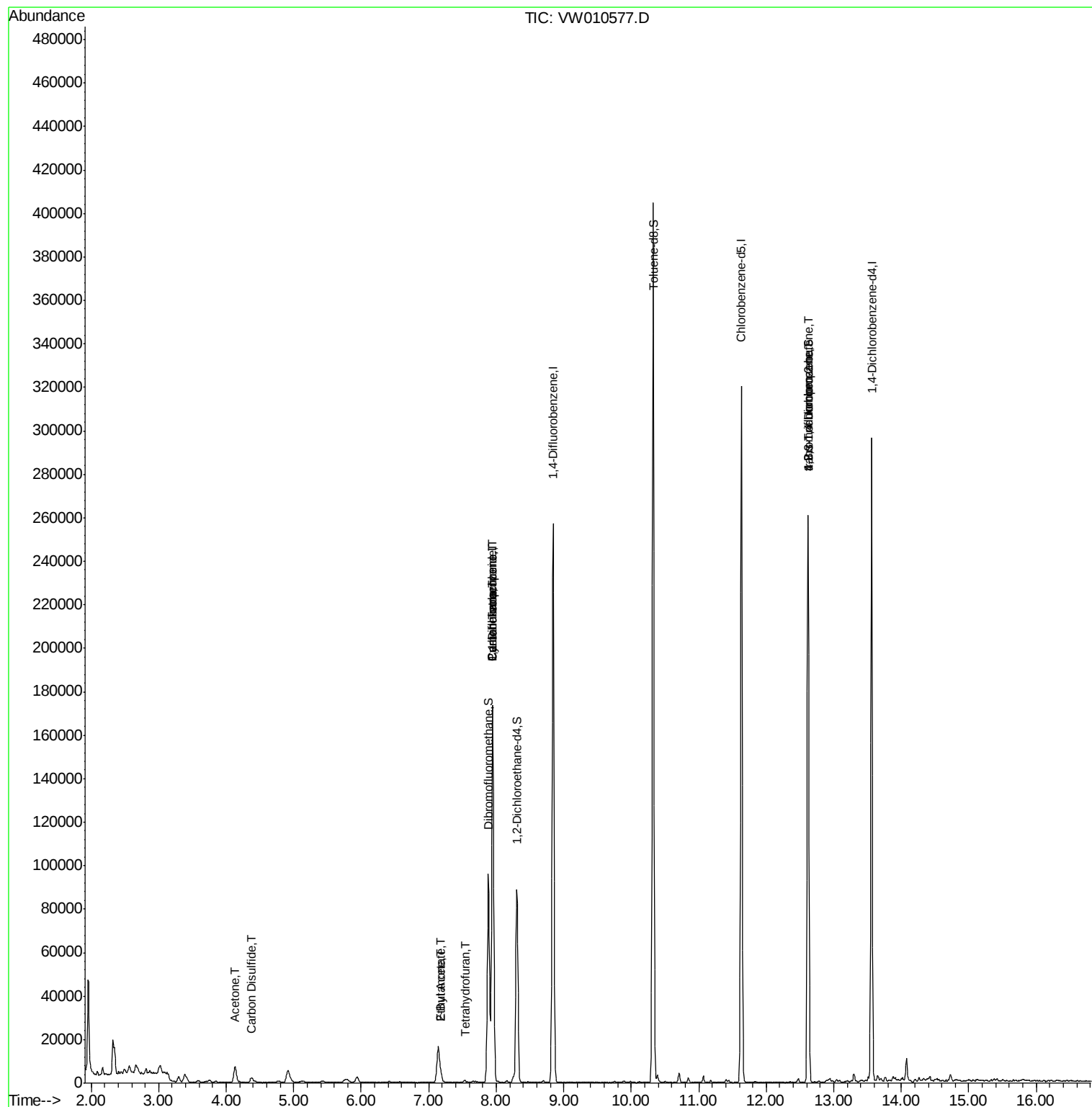
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.91	56	50	Below Cal	#	41
16) Acetone	4.14	43	13665	50.427	ug/l	98
17) Carbon Disulfide	4.38	76	4582	1.131	ug/l #	94
20) Methylene Chloride	4.91	84	4573	Below Cal		86
25) 2-Butanone	7.18	43	6420	16.555	ug/l	96
29) Tetrahydrofuran	7.54	42	661	2.519	ug/l #	71
31) Cyclohexane	7.94	56	2545	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9620	4.522	ug/l #	49
37) Ethyl Acetate	7.18	43	6420	7.097	ug/l #	67
38) Carbon Tetrachloride	7.95	117	13275	5.785	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	44005	57.213	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44005	119.405	ug/l #	14

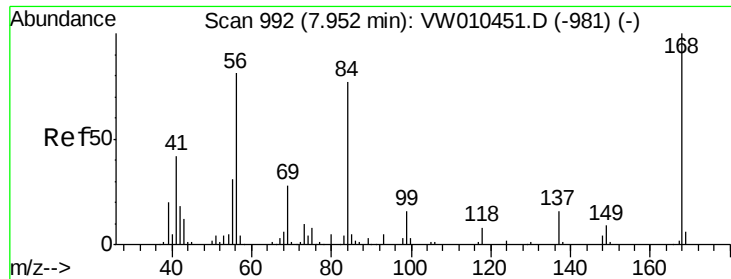
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

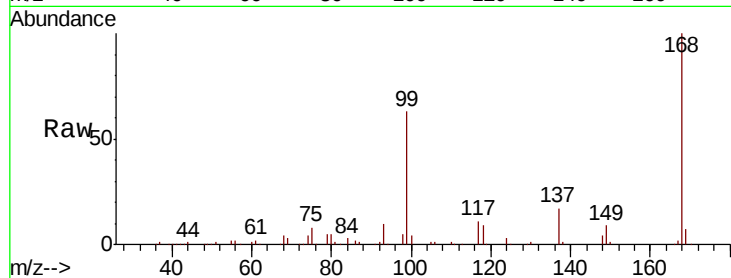
FESB-07(5-5.5)

Tot Ion:168 Resp: 128618

Ion Ratio Lower Upper

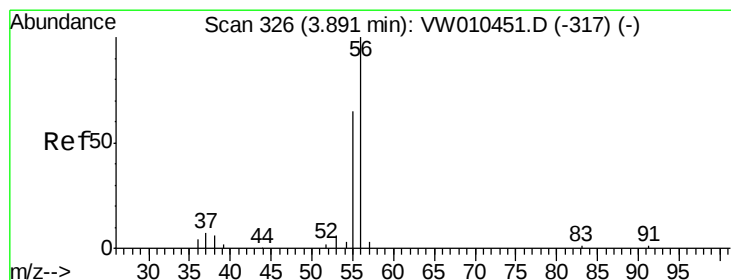
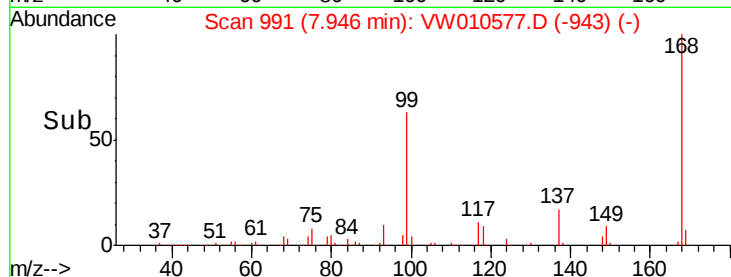
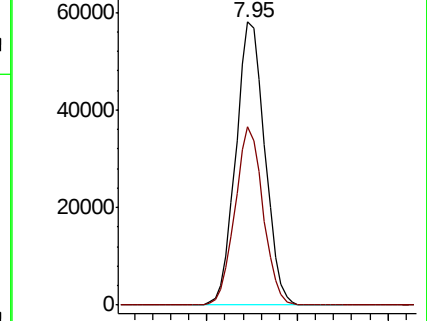
168 100

99 63.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW010577.D

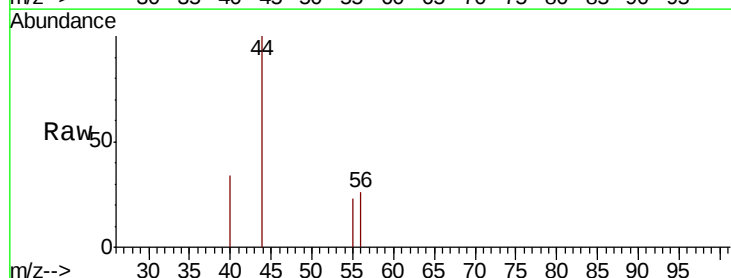
Acq: 28 May 2019 19:46

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

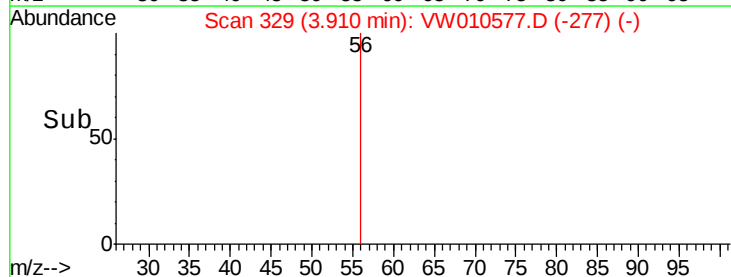
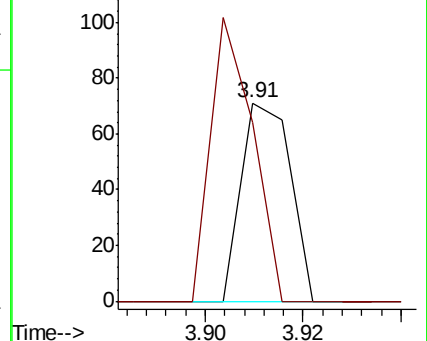
56 100

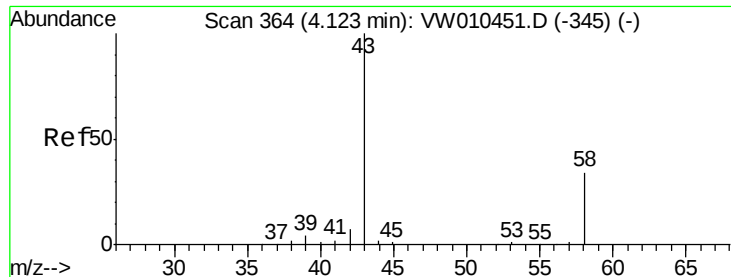
55 122.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 50.427 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

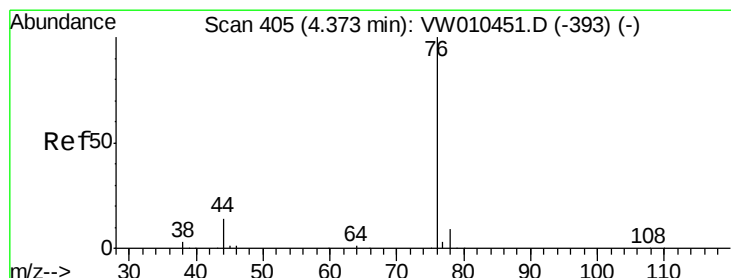
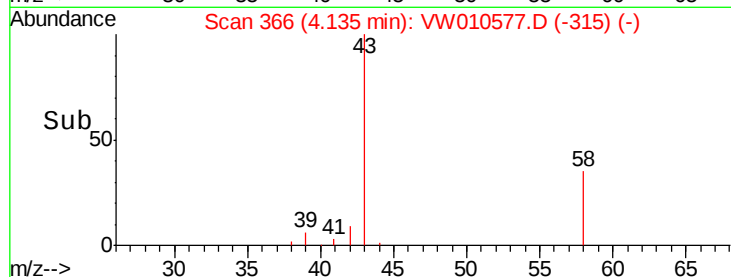
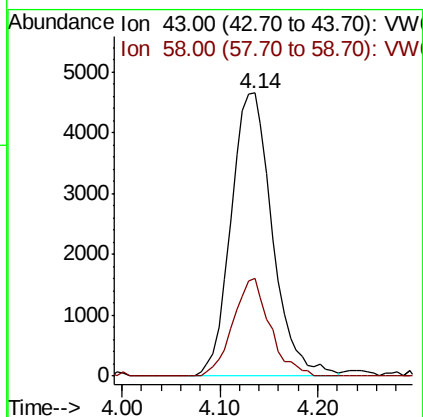
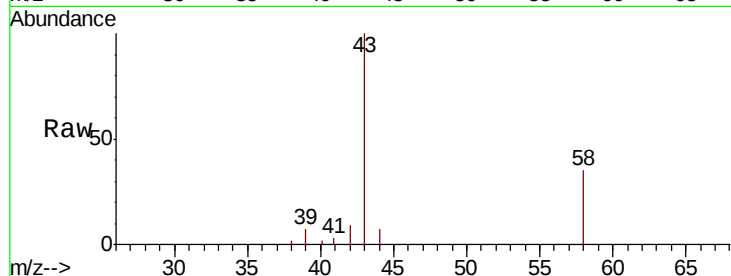
FESB-07(5-5.5)

Tot Ion: 43 Resp: 13665

Ion Ratio Lower Upper

43 100

58 34.7 27.0 40.4



#17

Carbon Disulfide

Concen: 1.131 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010577.D

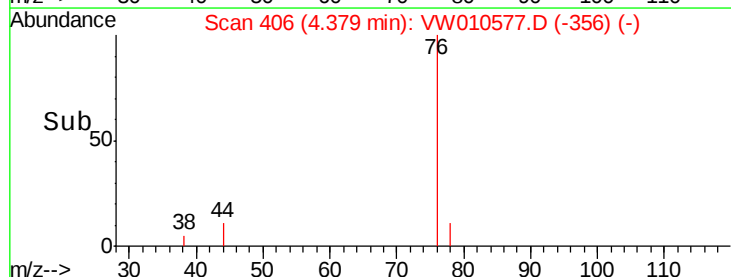
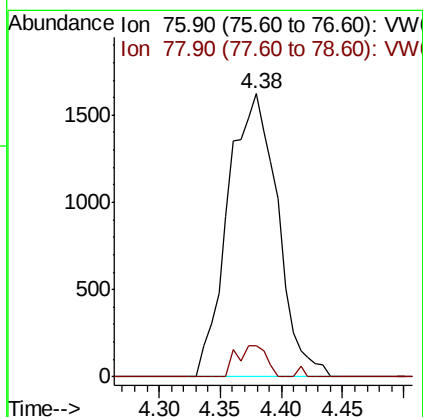
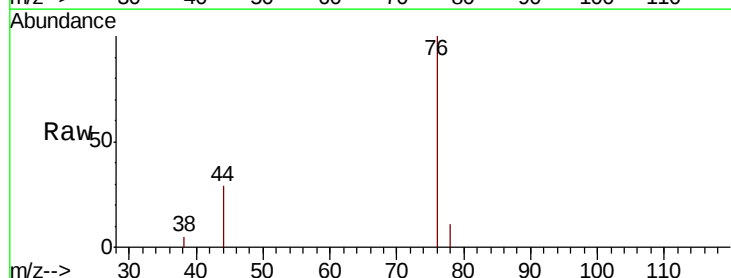
Acq: 28 May 2019 19:46

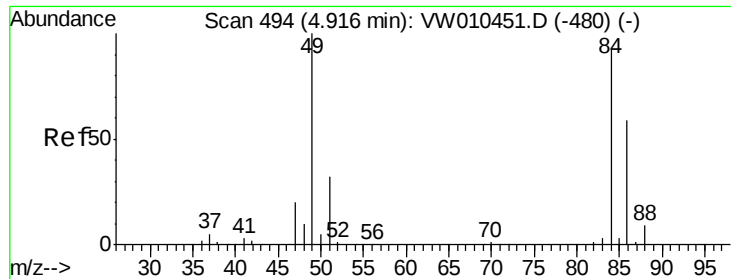
Tgt Ion: 76 Resp: 4582

Ion Ratio Lower Upper

76 100

78 11.0 7.1 10.7#

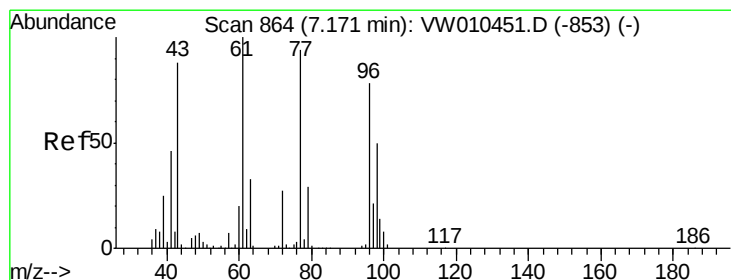
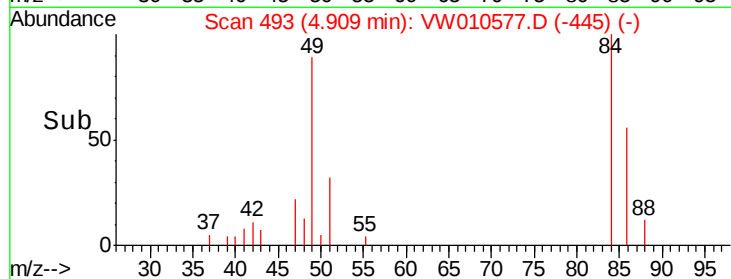
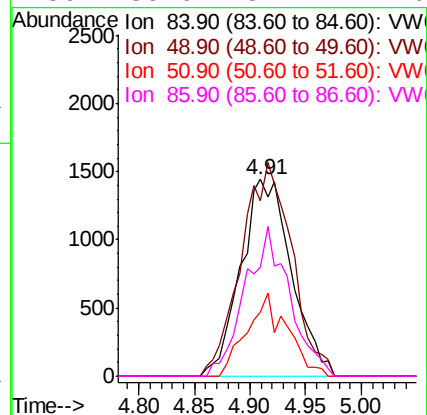
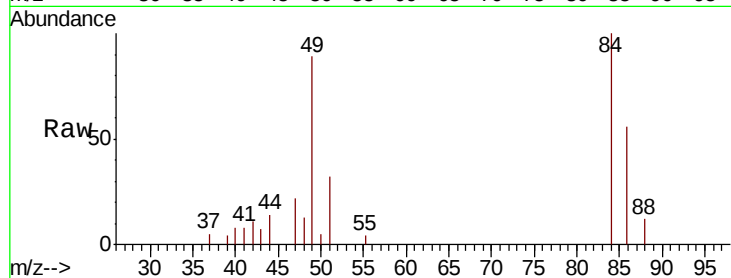




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

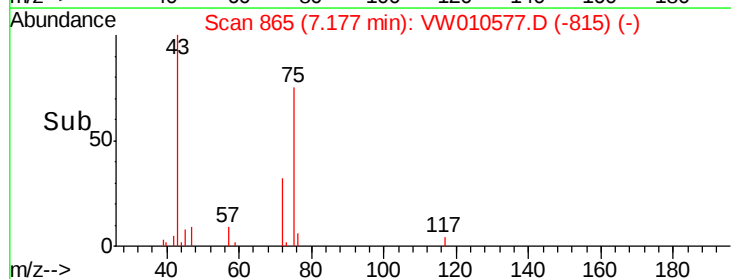
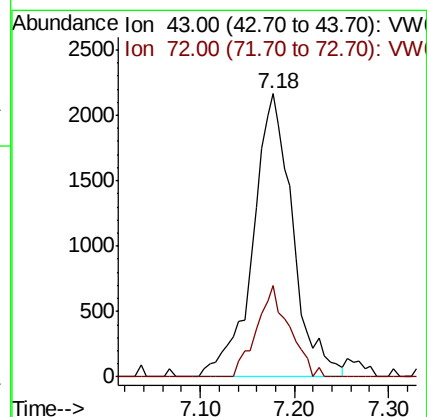
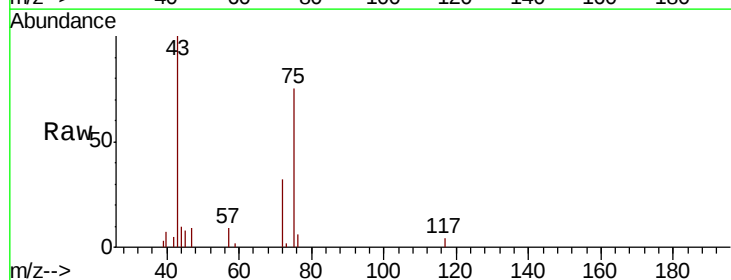
Instrument :
MSVOA_W
ClientSampleId :
FESB-07(5-5.5)

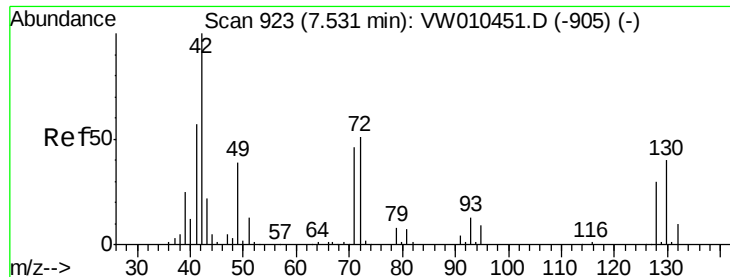
Tot Ion: 84 Resp: 4573
Ion Ratio Lower Upper
84 100
49 89.5 87.2 130.8
51 32.2 27.7 41.5
86 55.6 51.4 77.0



#25
2-Butanone
Concen: 16.555 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Tgt Ion: 43 Resp: 6420
Ion Ratio Lower Upper
43 100
72 32.5 24.1 36.1

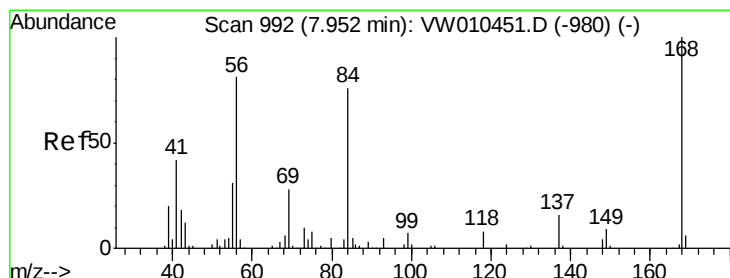
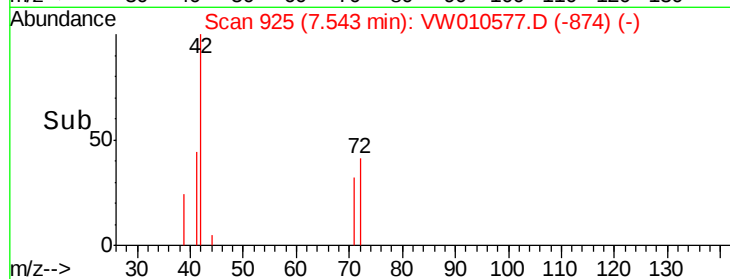
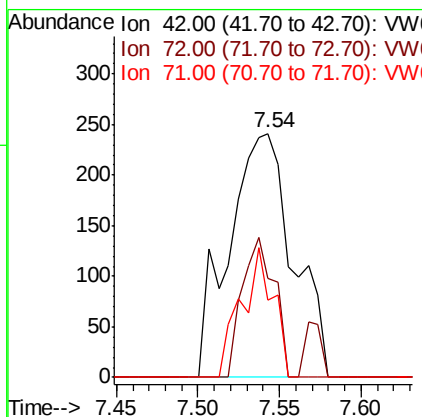
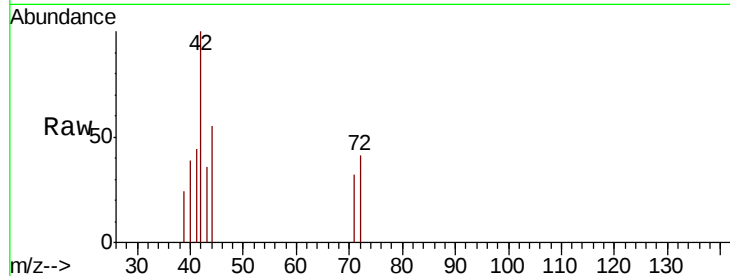




#29
Tetrahydrofuran
Concen: 2.519 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

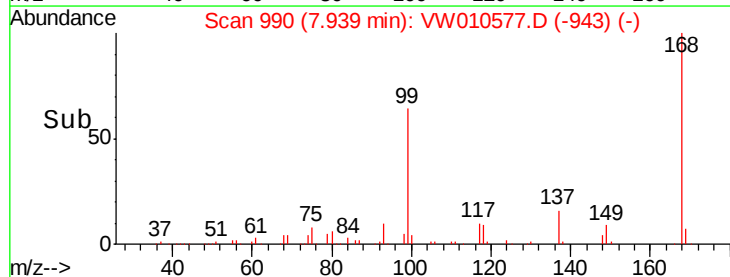
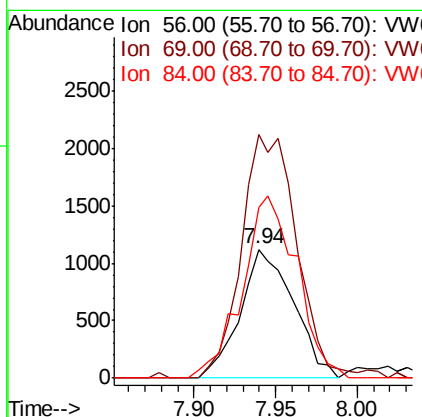
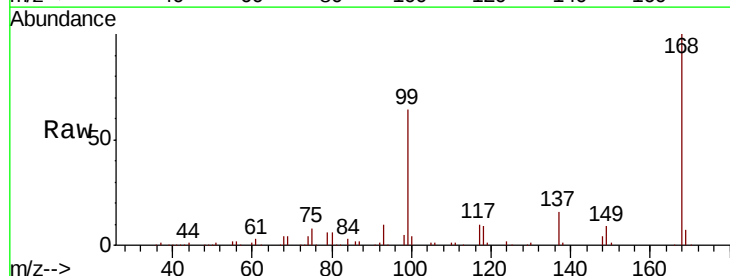
Instrument :
MSVOA_W
ClientSampleId :
FESB-07(5-5.5)

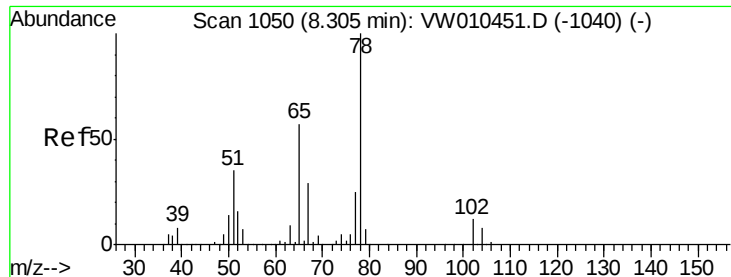
Tot Ion: 42 Resp: 661
Ion Ratio Lower Upper
42 100
72 28.6 38.5 57.7#
71 26.6 36.5 54.7#



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Tgt Ion: 56 Resp: 2545
Ion Ratio Lower Upper
56 100
69 189.0 28.2 42.2#
84 132.6 75.8 113.8#





#33

1,2-Dichloroethane-d4

Concen: 52.749 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

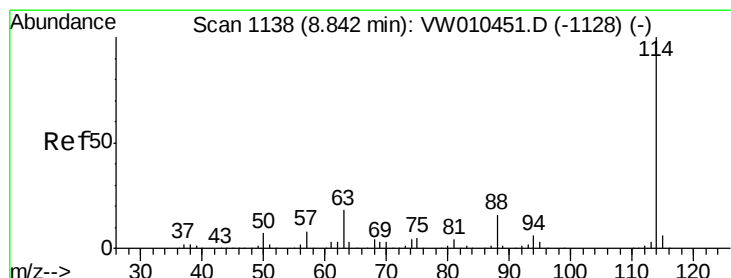
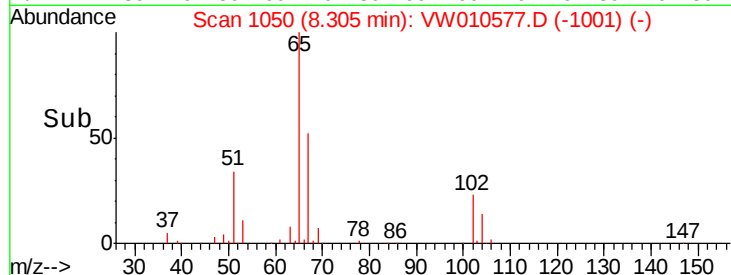
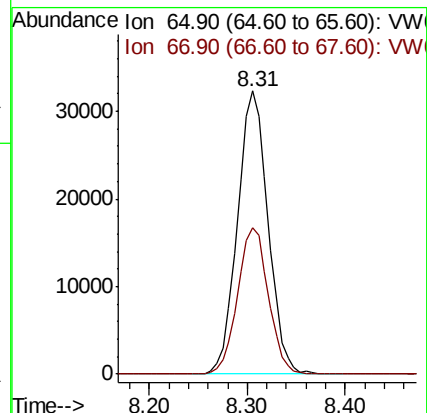
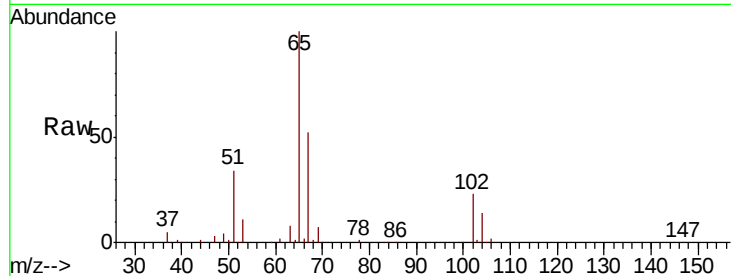
FESB-07(5-5.5)

Tot Ion: 65 Resp: 70027

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

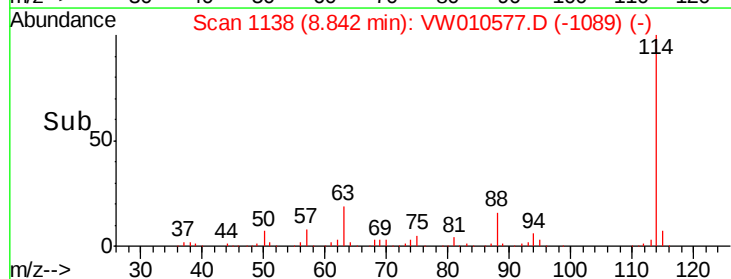
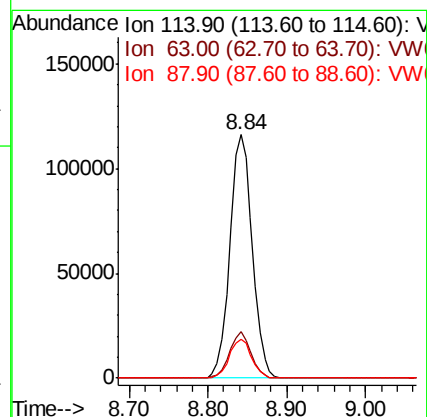
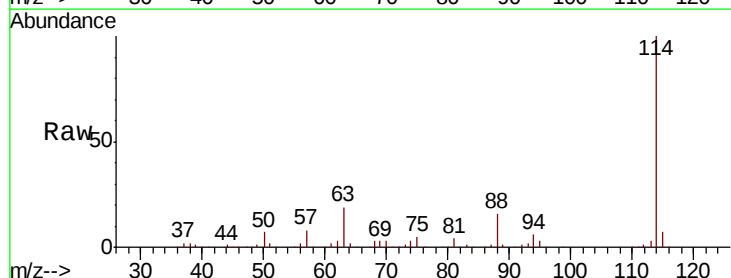
Tgt Ion: 114 Resp: 228364

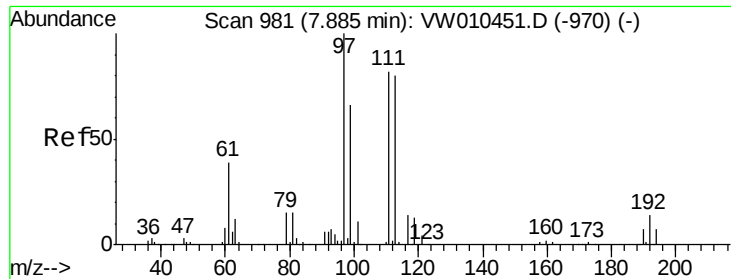
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.895 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

FESB-07(5-5.5)

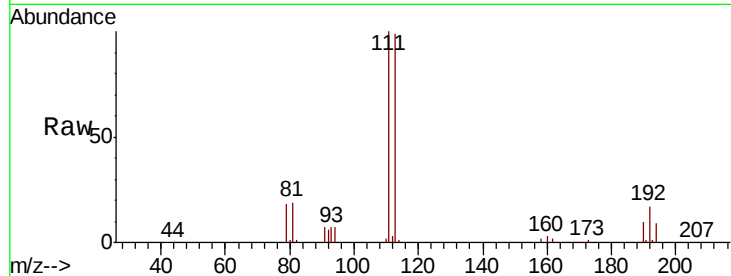
Tot Ion:113 Resp: 69138

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

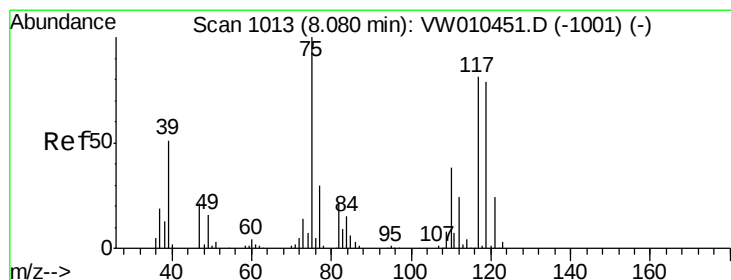
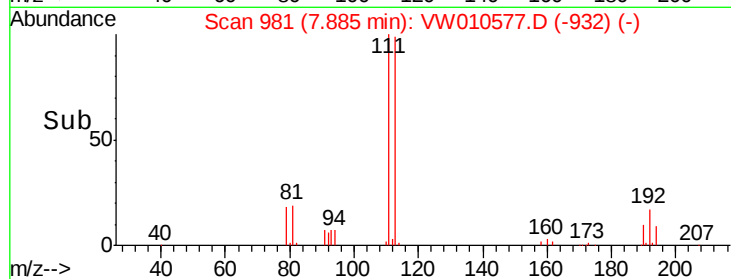
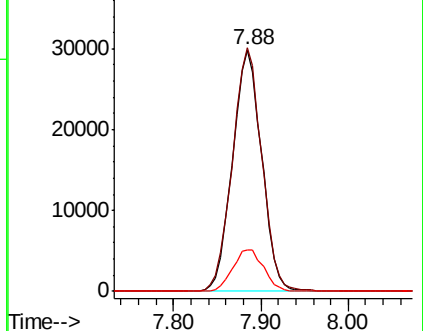
192 18.1 14.3 21.5



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: 4.522 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

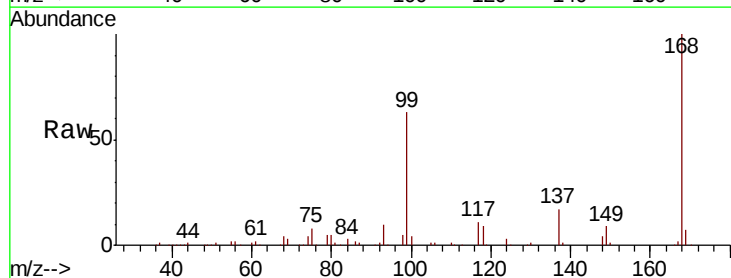
Tgt Ion: 75 Resp: 9620

Ion Ratio Lower Upper

75 100

110 10.1 19.2 57.6#

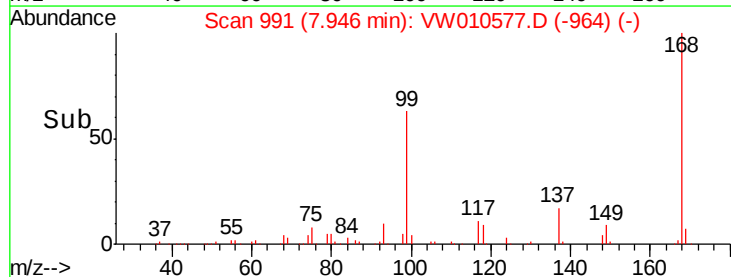
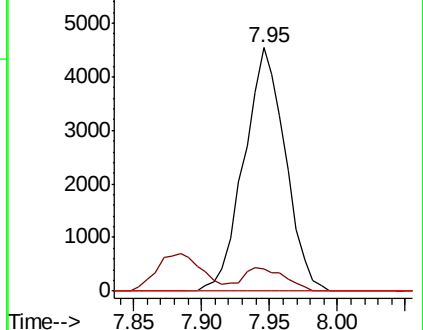
77 0.0 25.2 37.8#

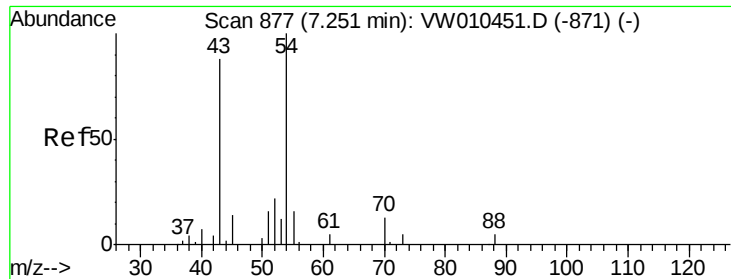


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

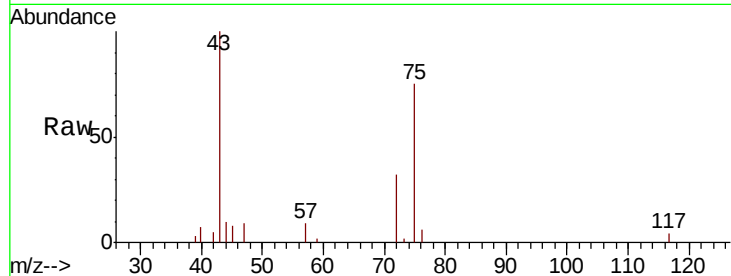




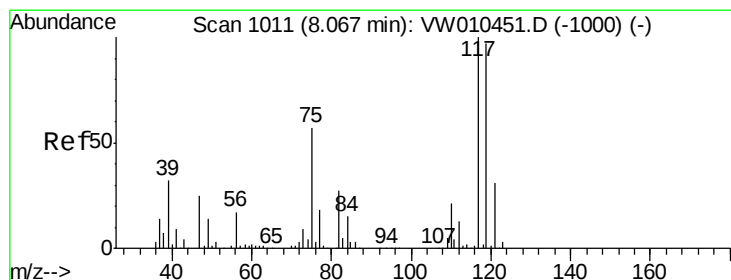
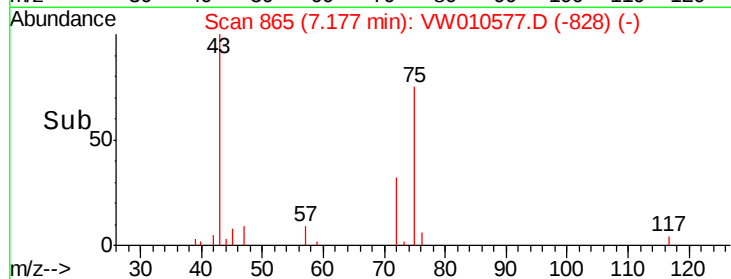
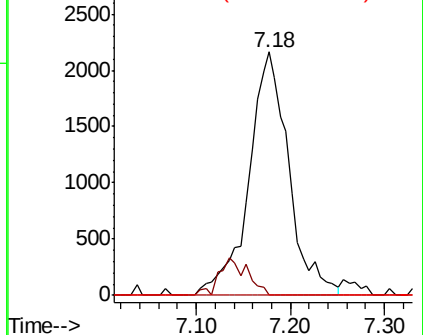
#37
Ethyl Acetate
Concen: 7.097 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Instrument :
MSVOA_W
ClientSampleId :
FESB-07(5-5.5)

Tot Ion: 43 Resp: 6420
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 9.9 14.9#

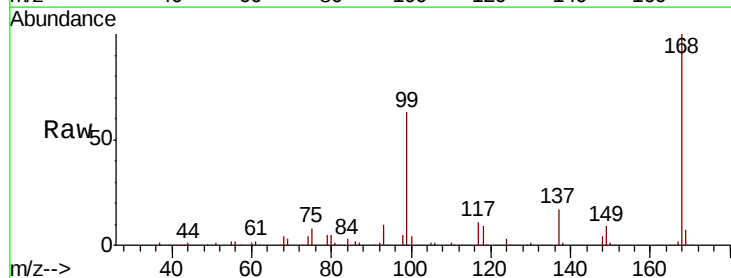


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

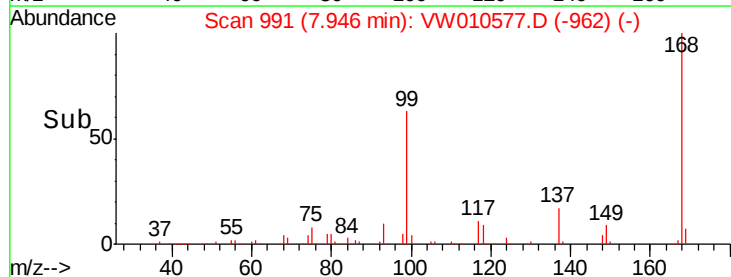
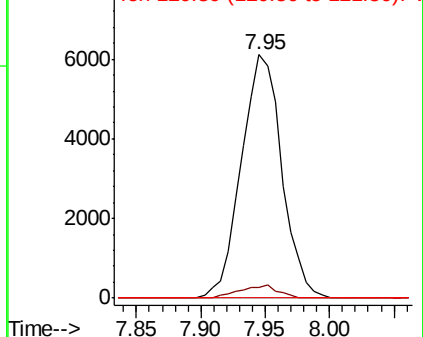


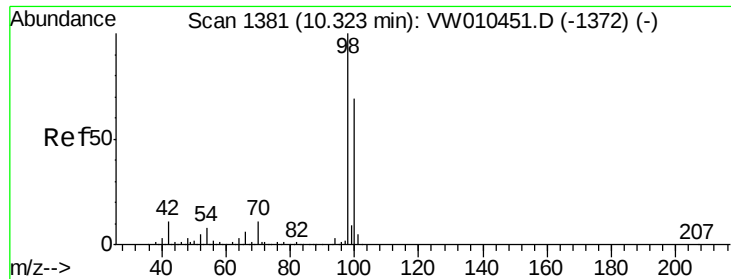
#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Tgt Ion: 117 Resp: 13275
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 25.0 37.6#



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: 52.368 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

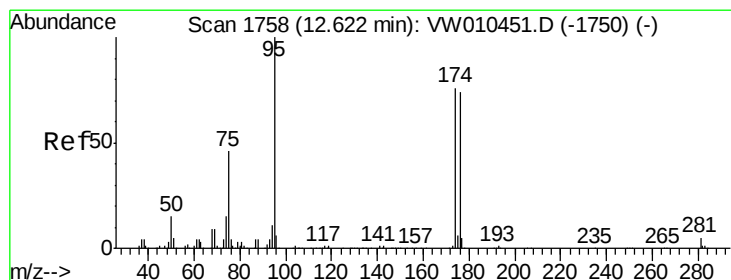
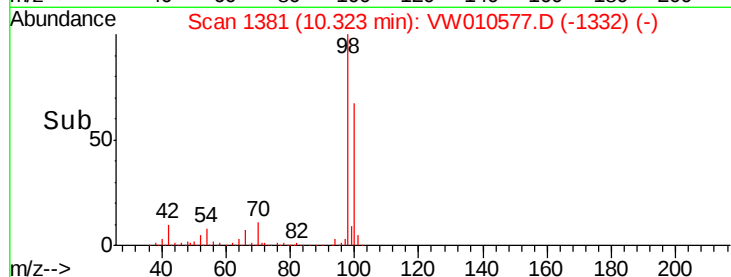
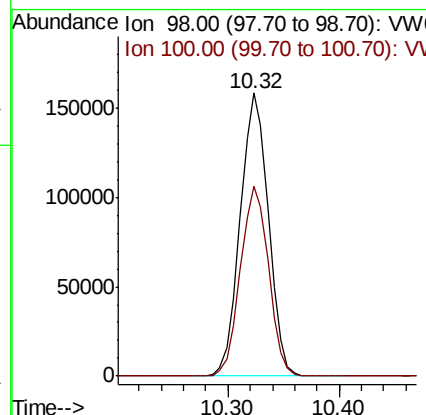
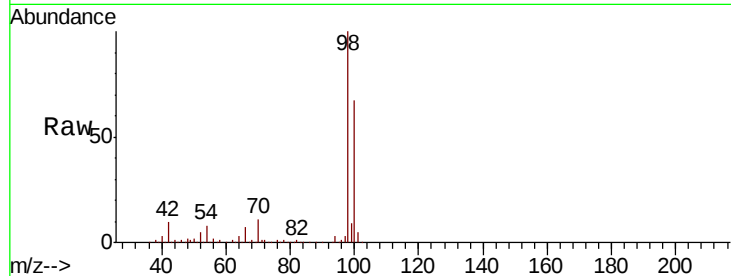
FESB-07(5-5.5)

Tot Ion: 98 Resp: 277214

Ion Ratio Lower Upper

98 100

100 67.0 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 44.680 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

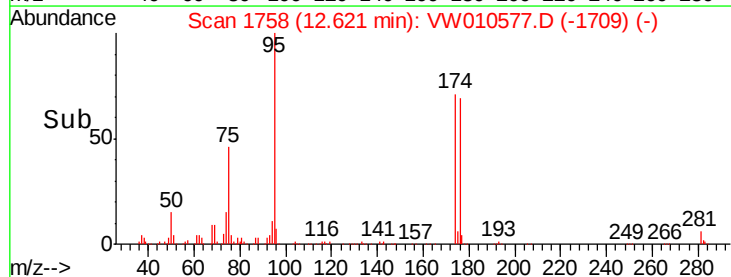
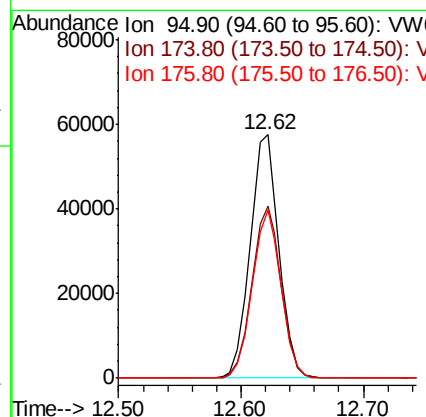
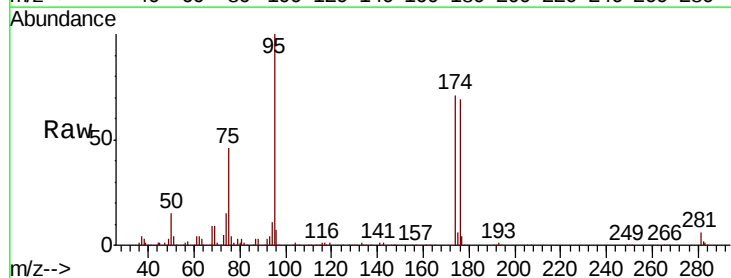
Tgt Ion: 95 Resp: 94209

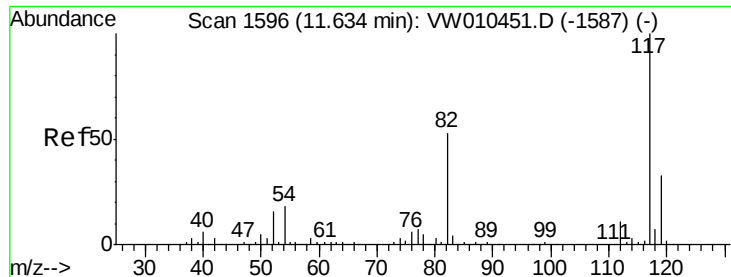
Ion Ratio Lower Upper

95 100

174 71.3 0.0 148.6

176 68.7 0.0 144.2

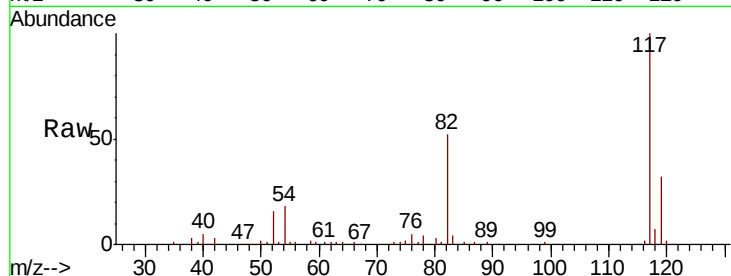




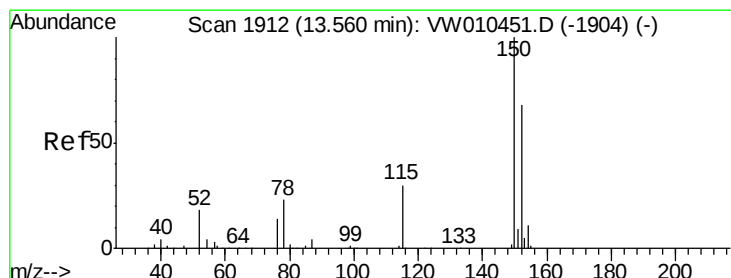
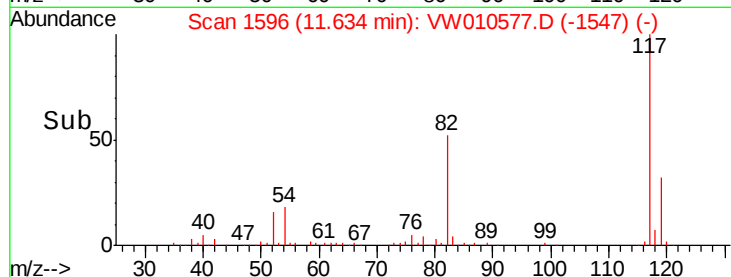
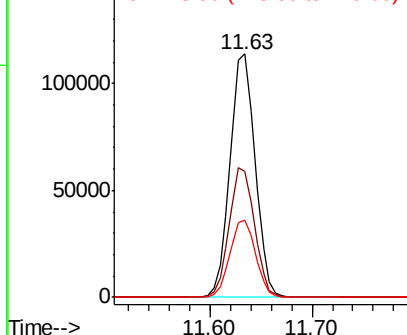
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Instrument :
MSVOA_W
ClientSampleId :
FESB-07(5-5.5)

Tot Ion:117 Resp: 193589
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 31.8 26.3 39.5

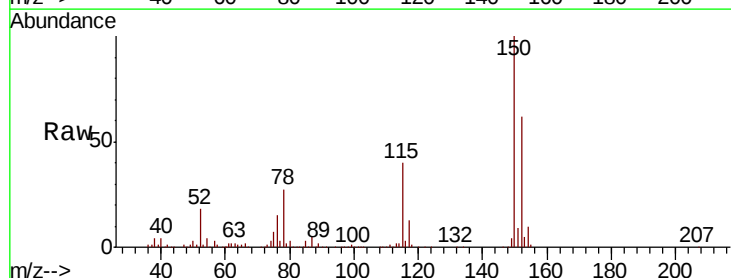


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

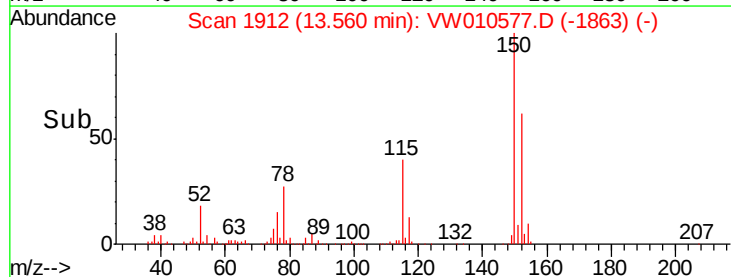
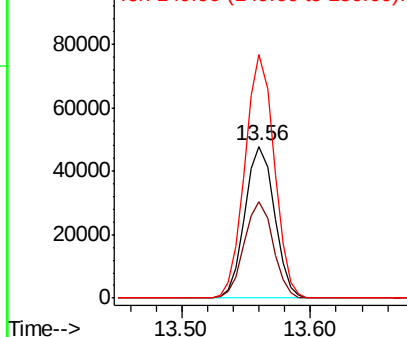


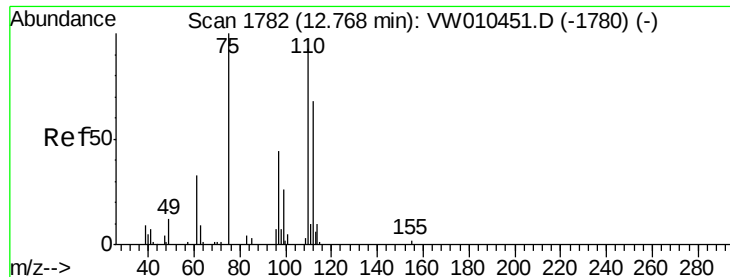
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010577.D
Acq: 28 May 2019 19:46

Tgt Ion:152 Resp: 75773
Ion Ratio Lower Upper
152 100
115 62.3 30.3 91.0
150 159.1 0.0 349.8



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: 57.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Instrument :

MSVOA_W

ClientSampleId :

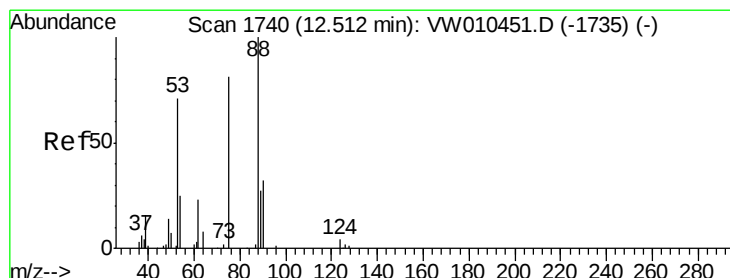
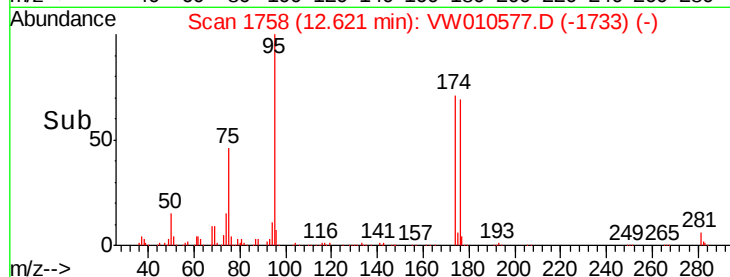
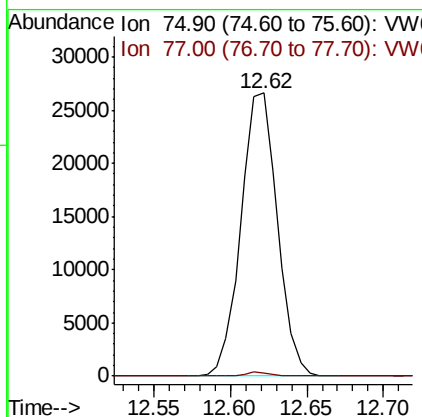
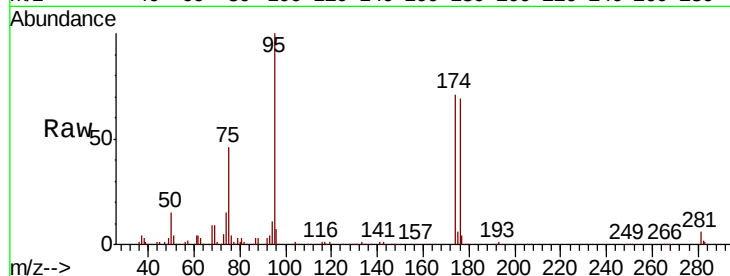
FESB-07(5-5.5)

Tot Ion: 75 Resp: 44005

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.405 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010577.D

Acq: 28 May 2019 19:46

Tgt Ion: 75 Resp: 44005

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

