

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010463.D
 Acq On : 20 May 2019 22:46
 Operator : SY/VA
 Sample : K2944-04
 Misc : 6.82G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-4(5-5.5)

Quant Time: May 21 06:50:10 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	110489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	208716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83105	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	71679	62.85	ug/l	0.00
Spiked Amount			Recovery	=	125.70%	
35) Dibromofluoromethane	7.88	113	66189	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
50) Toluene-d8	10.32	98	256064	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.62	95	96576	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

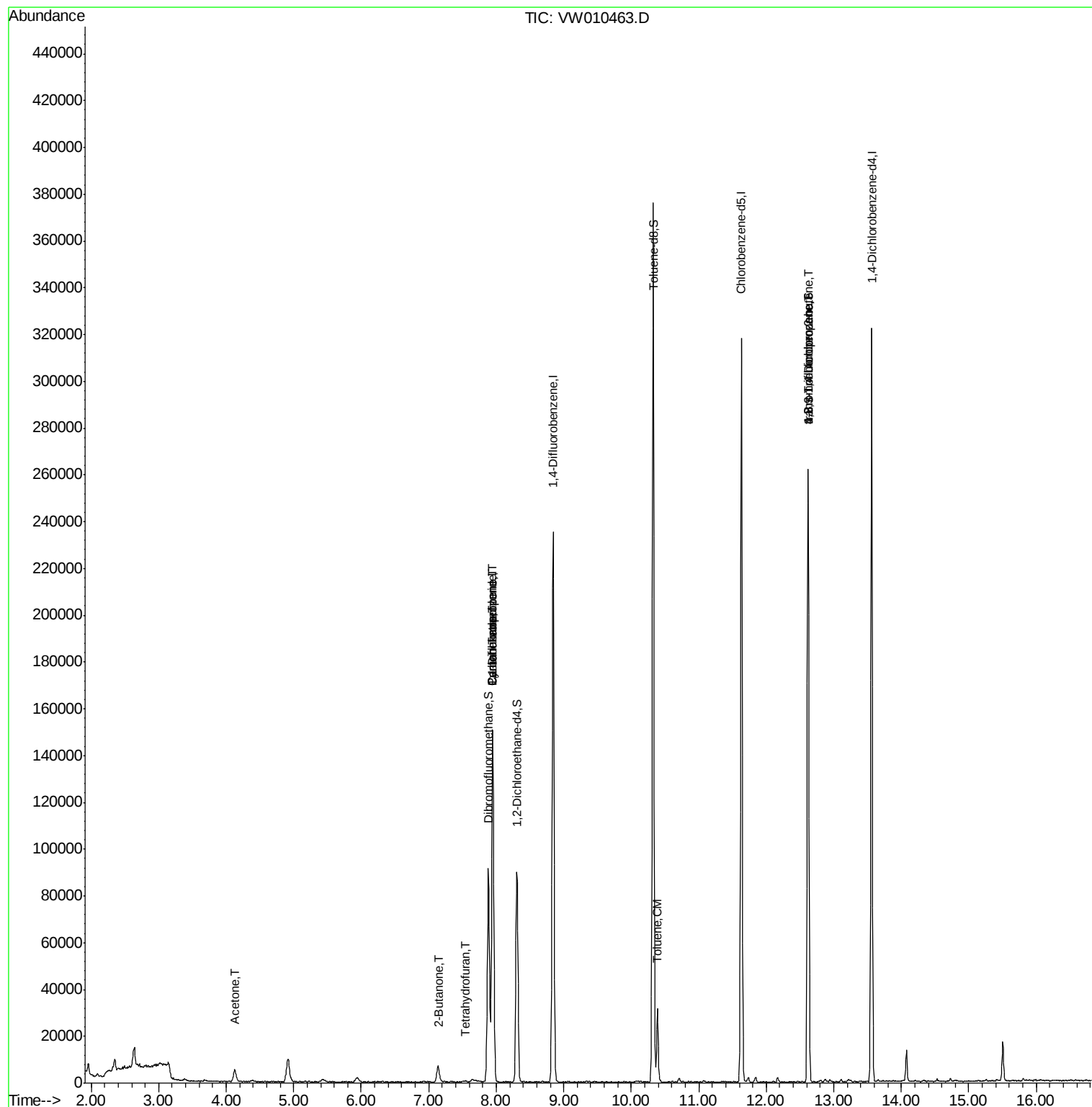
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.87	56	25	Below Cal	#	13
16) Acetone	4.12	43	9304	39.968	ug/l	100
25) 2-Butanone	7.16	43	522	1.567	ug/l #	45
29) Tetrahydrofuran	7.54	42	359	1.593	ug/l #	42
31) Cyclohexane	7.95	56	2428	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9004	4.631	ug/l #	47
38) Carbon Tetrachloride	7.95	117	11948	5.697	ug/l #	16
52) Toluene	10.39	92	14101	3.885	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	46057	54.598	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46057	113.947	ug/l #	14

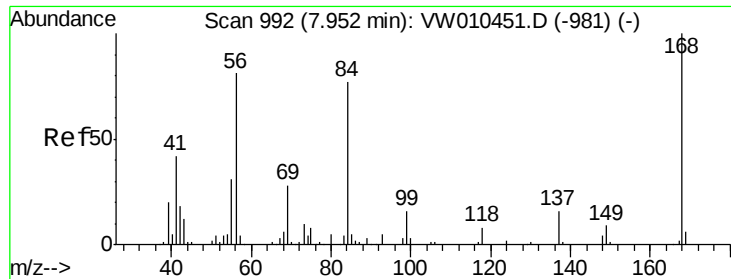
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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FESB-4(5-5.5)

Quant Time: May 21 06:50:10 2019
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
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: VW010463.D

Acq: 20 May 2019 22:46

Instrument :

MSVOA_W

ClientSampleId :

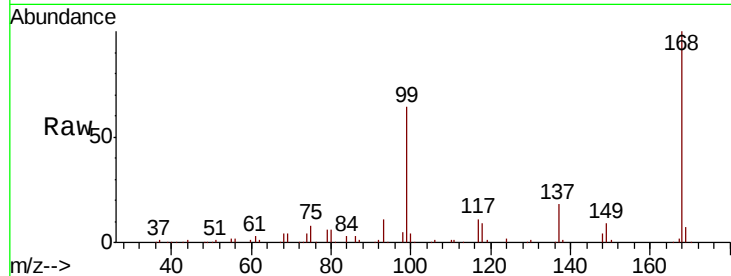
FESB-4(5-5.5)

Tot Ion:168 Resp: 110489

Ion Ratio Lower Upper

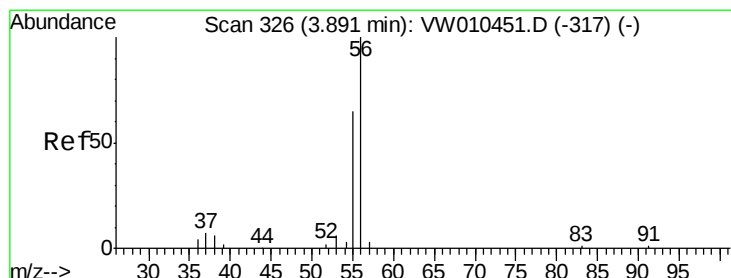
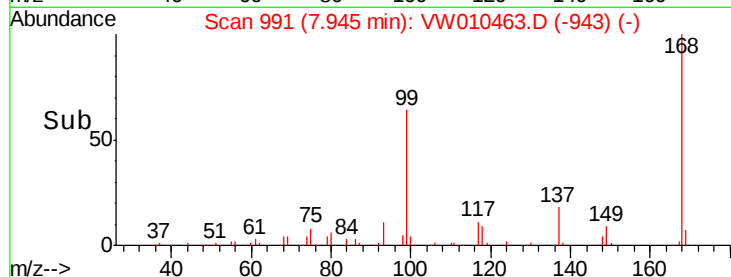
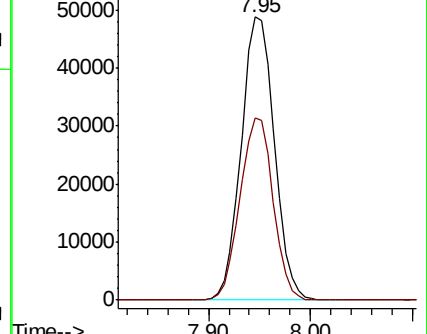
168 100

99 64.4 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: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW010463.D

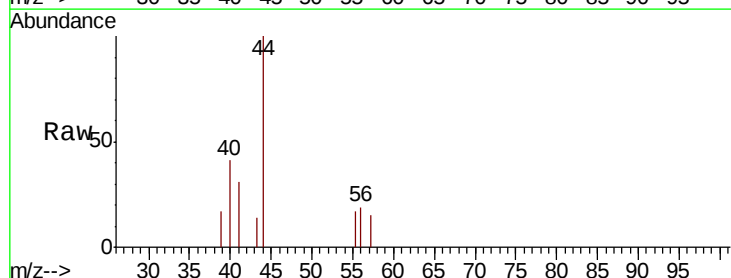
Acq: 20 May 2019 22:46

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

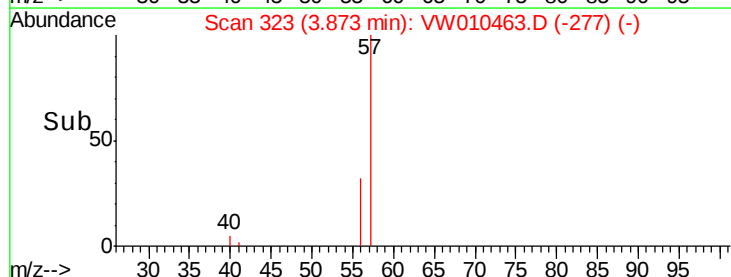
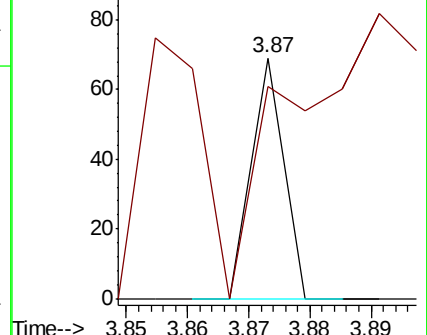
56 100

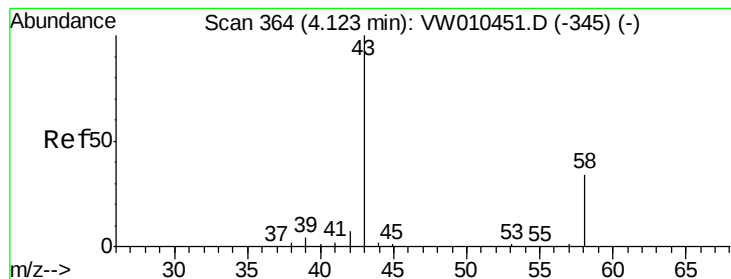
55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 39.968 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

Instrument :

MSVOA_W

ClientSampleId :

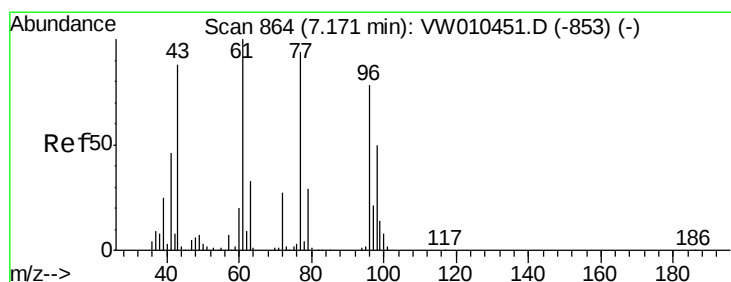
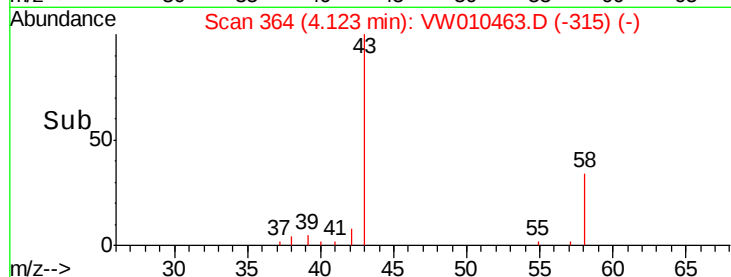
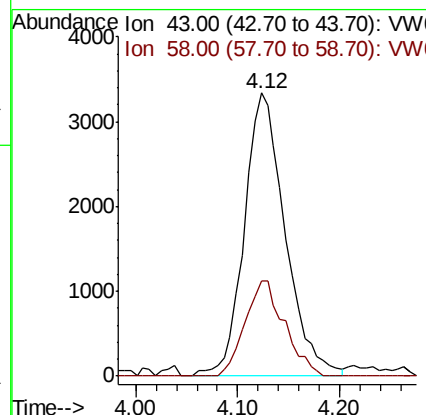
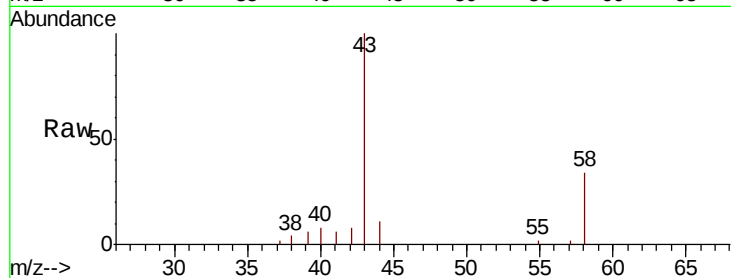
FESB-4(5-5.5)

Tot Ion: 43 Resp: 9304

Ion Ratio Lower Upper

43 100

58 33.5 27.0 40.4



#25

2-Butanone

Concen: 1.567 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010463.D

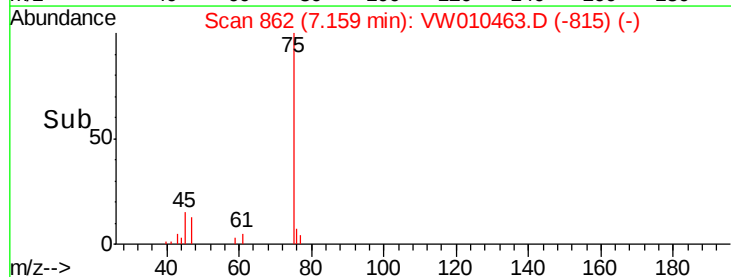
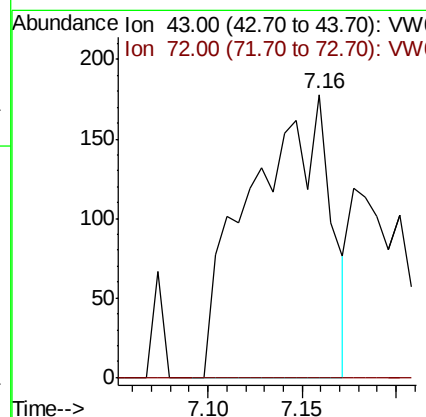
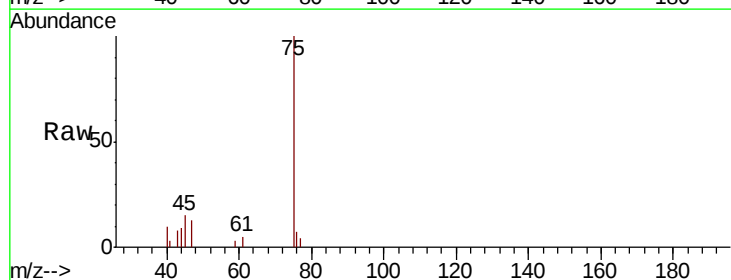
Acq: 20 May 2019 22:46

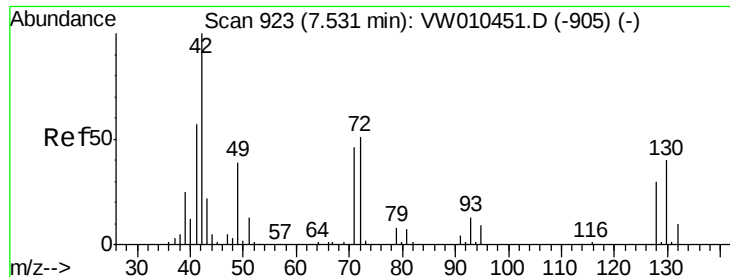
Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#

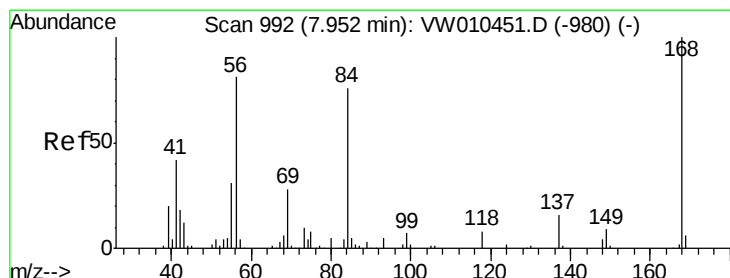
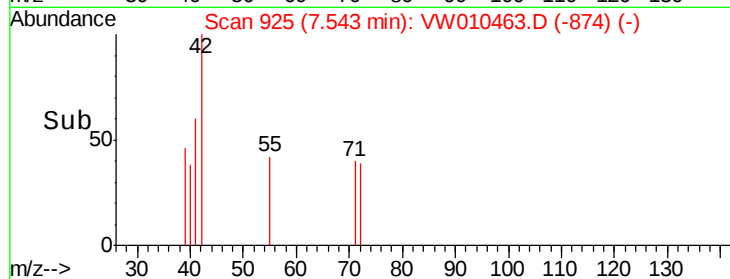
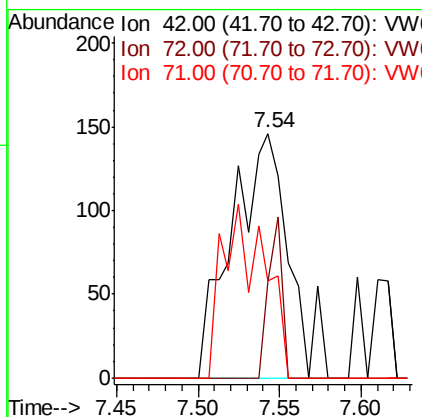
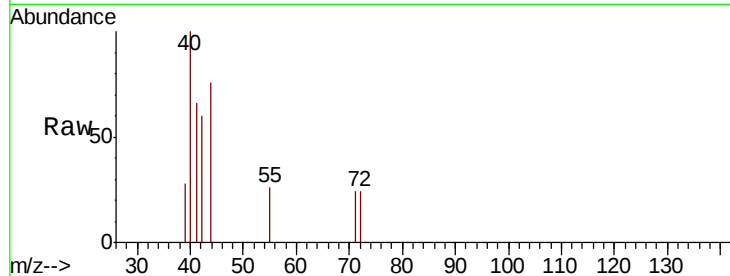




#29
Tetrahydrofuran
Concen: 1.593 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

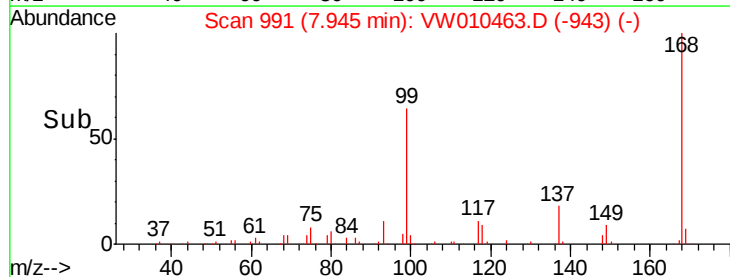
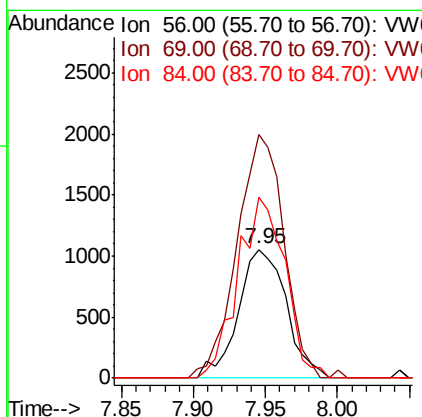
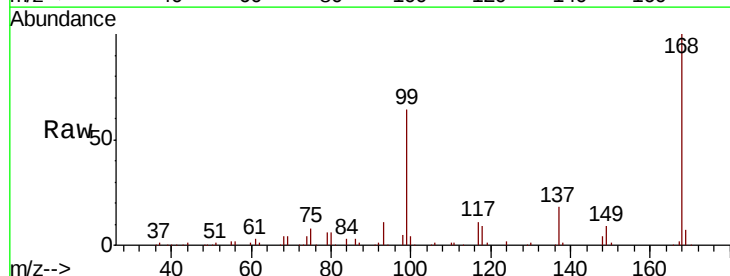
Instrument :
MSVOA_W
ClientSampleId :
FESB-4(5-5.5)

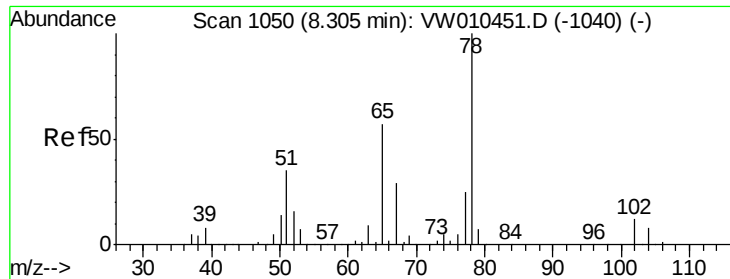
Tot Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 15.6 38.5 57.7#
71 0.0 36.5 54.7#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 188.7 28.2 42.2#
84 140.1 75.8 113.8#

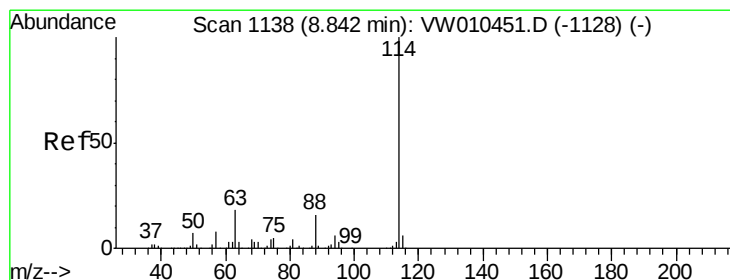
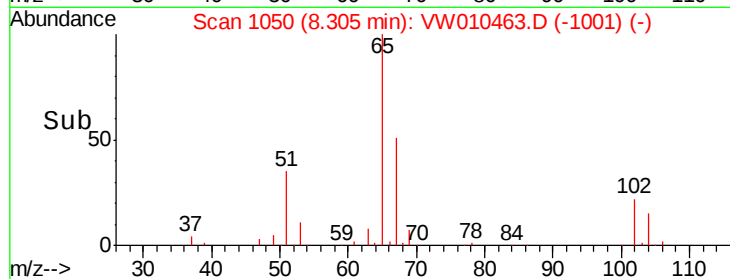
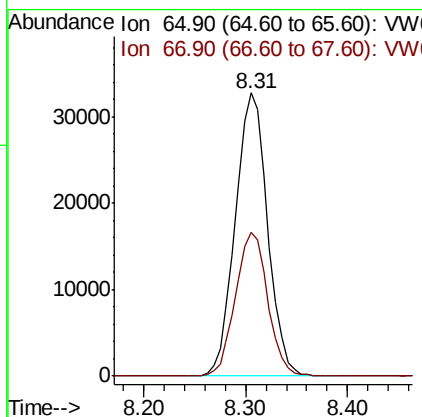
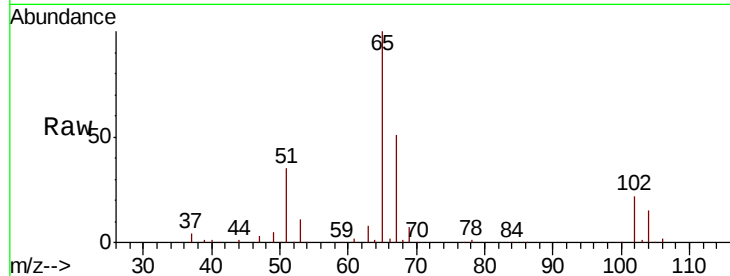




#33
 1,2-Dichloroethane-d4
 Concen: 62.852 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010463.D
 Acq: 20 May 2019 22:46

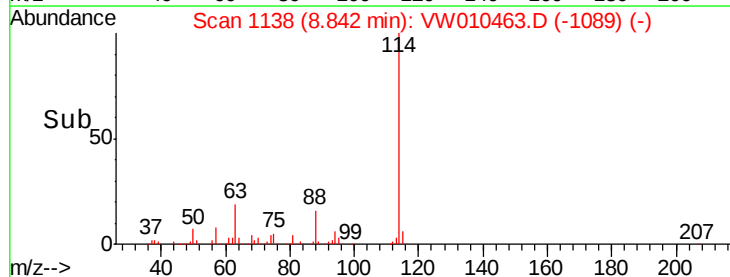
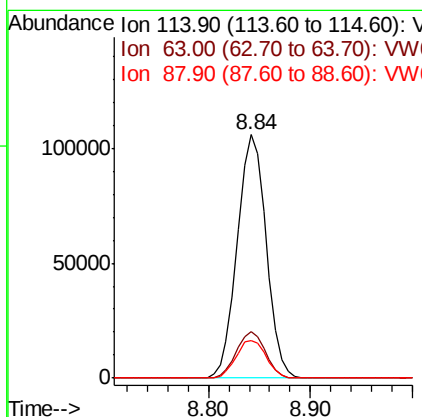
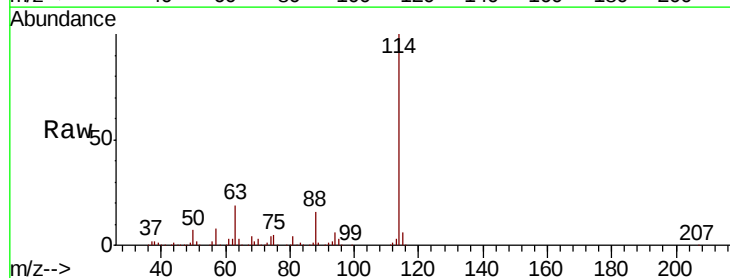
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-4(5-5.5)

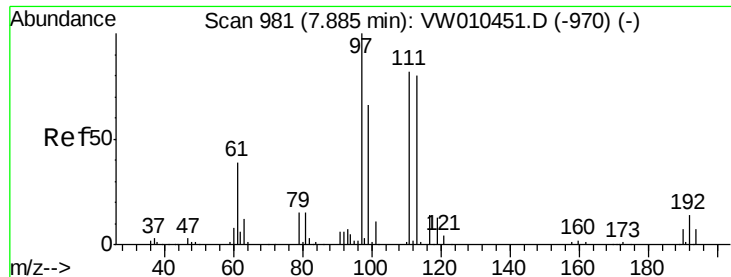
Tot Ion: 65 Resp: 71679
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010463.D
 Acq: 20 May 2019 22:46

Tgt Ion: 114 Resp: 208716
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.264 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

Instrument :

MSVOA_W

ClientSampleId :

FESB-4(5-5.5)

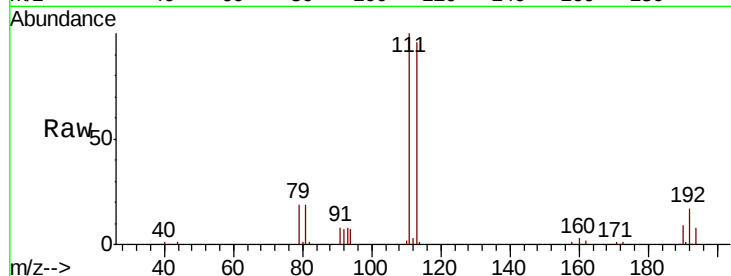
Tot Ion:113 Resp: 66189

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

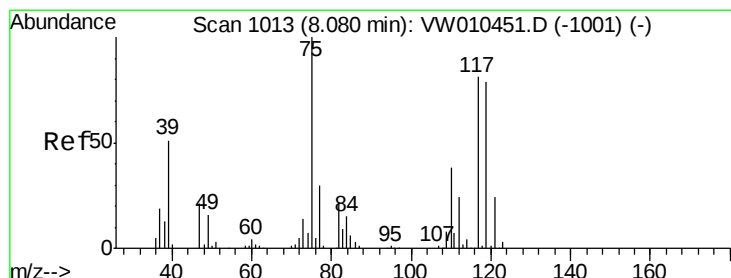
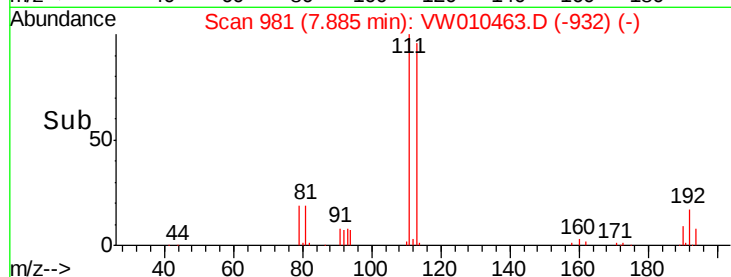
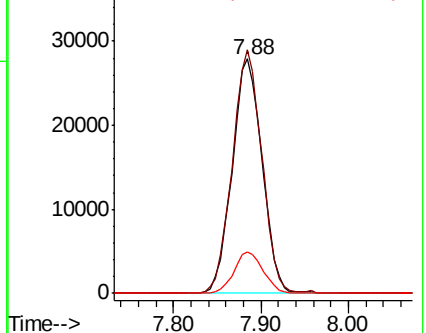
192 17.2 14.3 21.5



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: 4.631 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

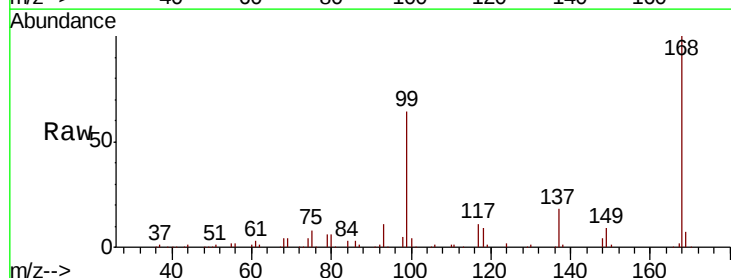
Tgt Ion: 75 Resp: 9004

Ion Ratio Lower Upper

75 100

110 8.6 19.2 57.6#

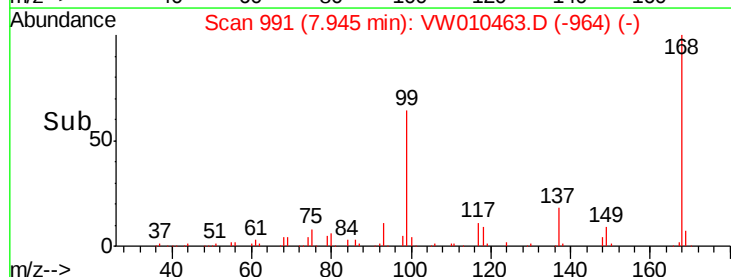
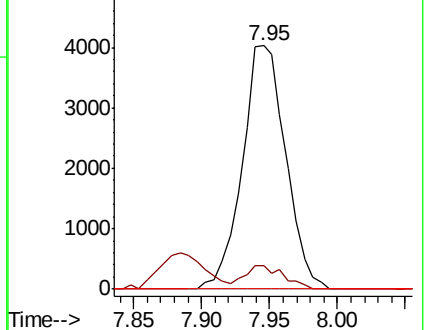
77 0.0 25.2 37.8#

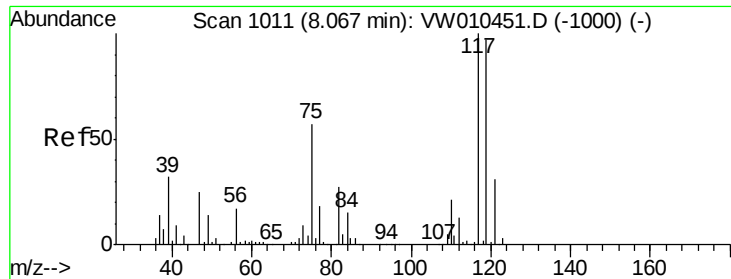


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

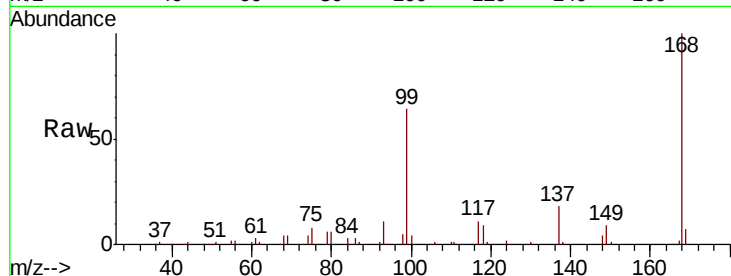




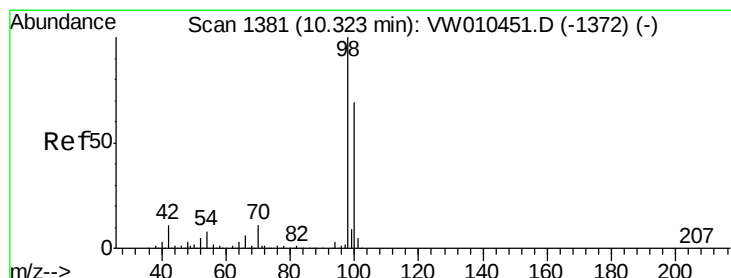
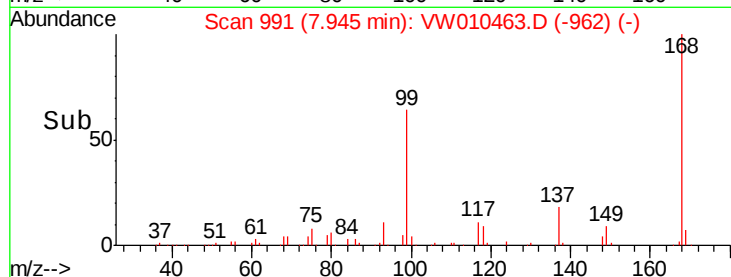
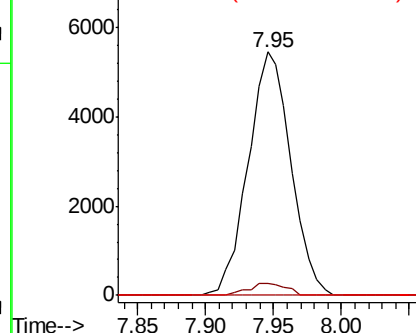
#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

Instrument :
MSVOA_W
ClientSampleId :
FESB-4(5-5.5)

Tot Ion:117 Resp: 11948
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 25.0 37.6#

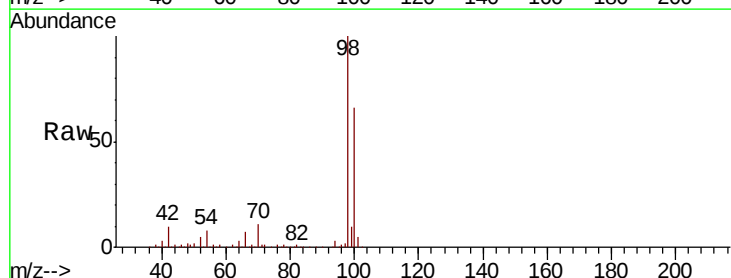


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

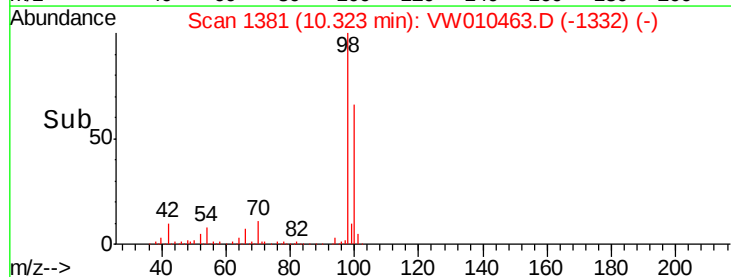
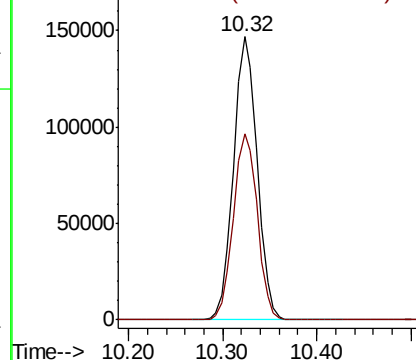


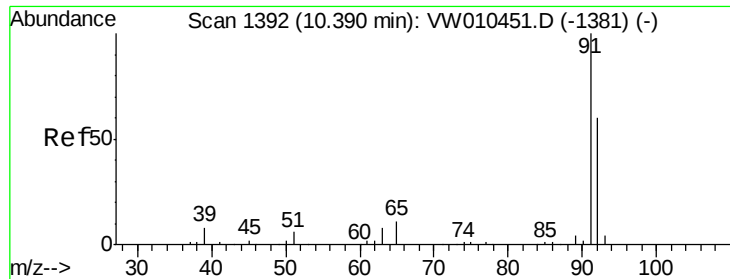
#50
Toluene-d8
Concen: 52.926 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

Tgt Ion: 98 Resp: 256064
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.885 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

Instrument :

MSVOA_W

ClientSampleId :

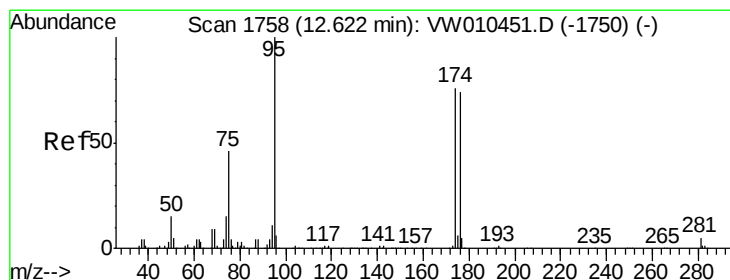
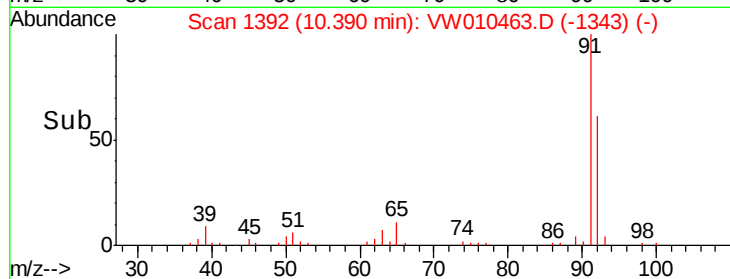
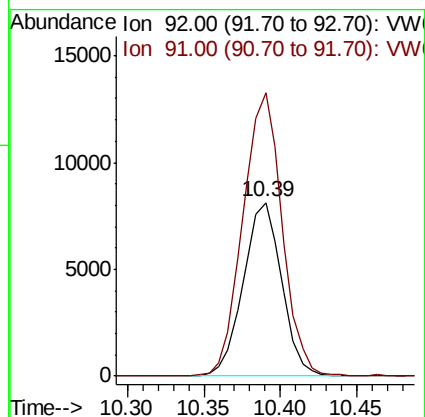
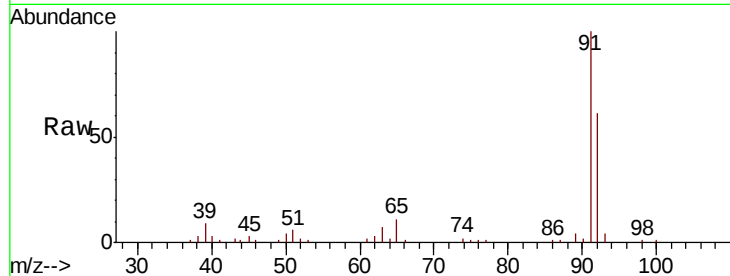
FESB-4(5-5.5)

Tot Ion: 92 Resp: 14101

Ion Ratio Lower Upper

92 100

91 167.3 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 50.115 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

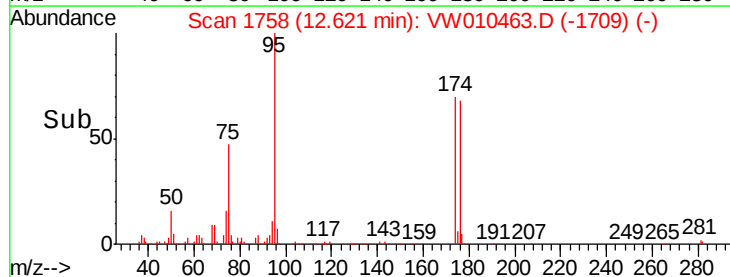
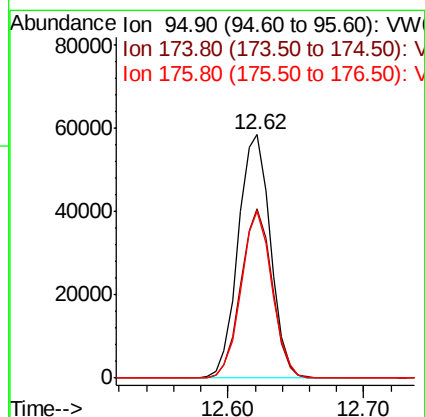
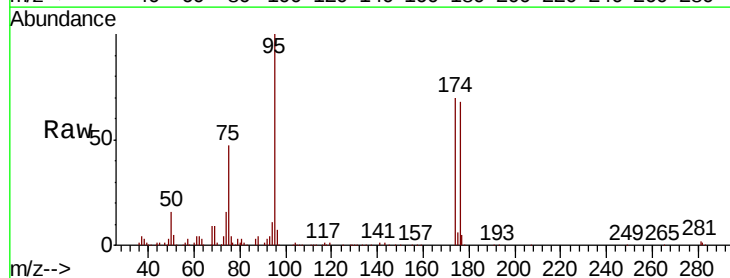
Tgt Ion: 95 Resp: 96576

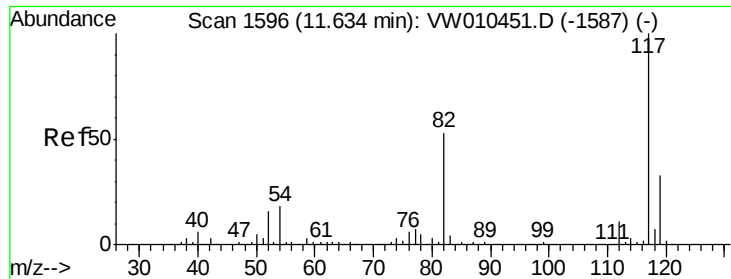
Ion Ratio Lower Upper

95 100

174 67.6 0.0 148.6

176 65.4 0.0 144.2

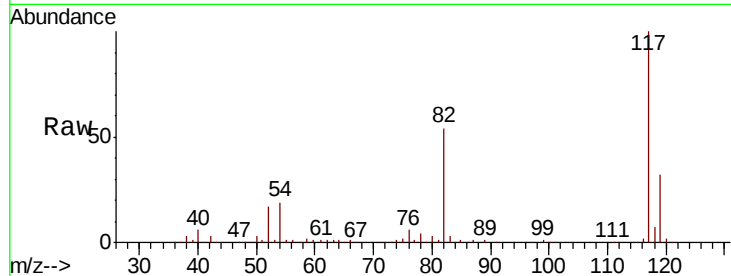




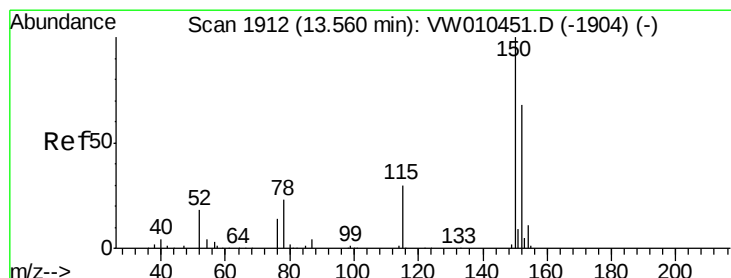
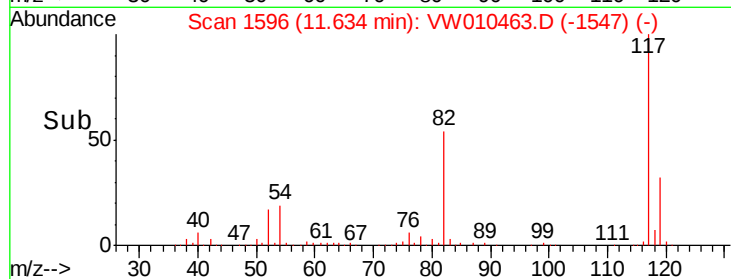
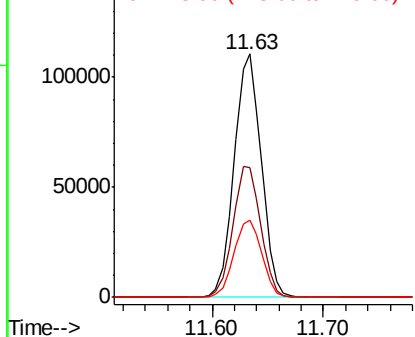
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

Instrument :
MSVOA_W
ClientSampleId :
FESB-4(5-5.5)

Tot Ion:117 Resp: 186218
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.7 26.3 39.5

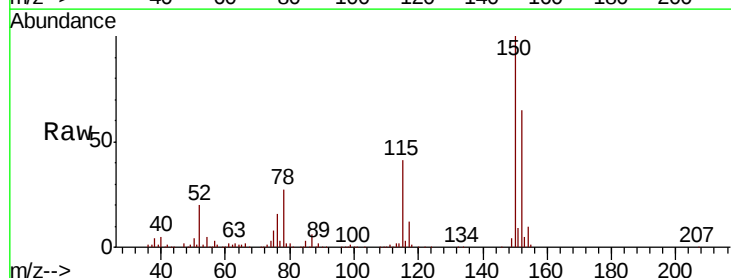


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

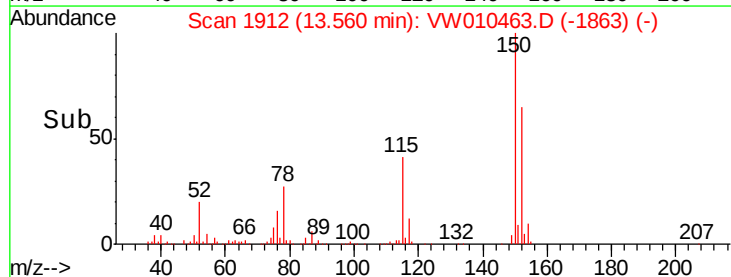
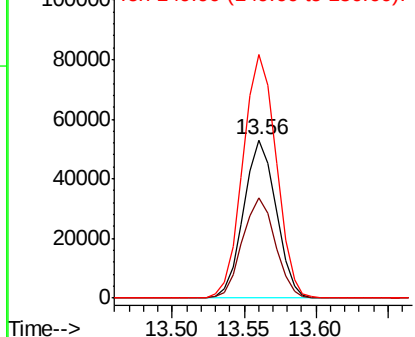


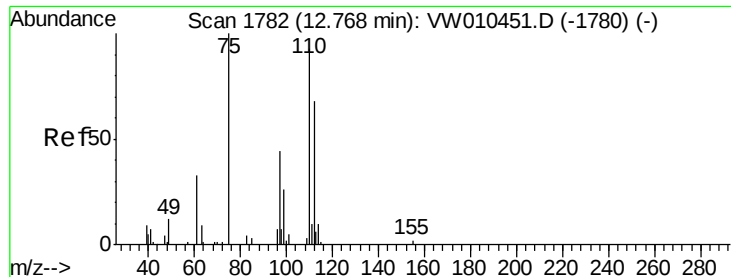
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010463.D
Acq: 20 May 2019 22:46

Tgt Ion:152 Resp: 83105
Ion Ratio Lower Upper
152 100
115 63.9 30.3 91.0
150 158.0 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: 54.598 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

Instrument :

MSVOA_W

ClientSampleId :

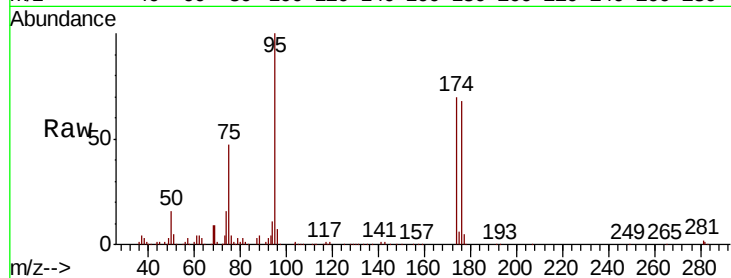
FESB-4(5-5.5)

Tot Ion: 75 Resp: 46057

Ion Ratio Lower Upper

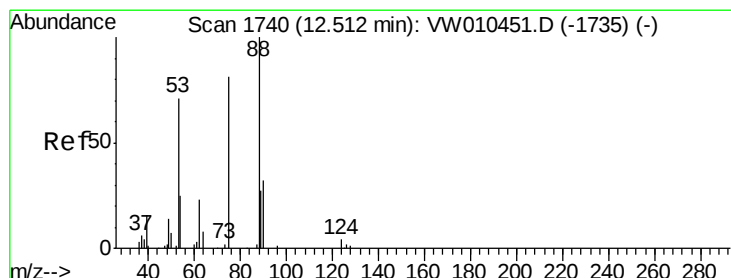
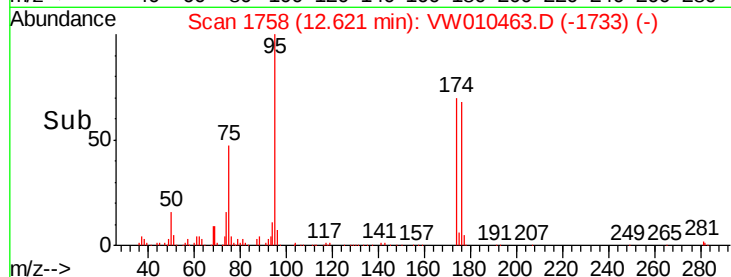
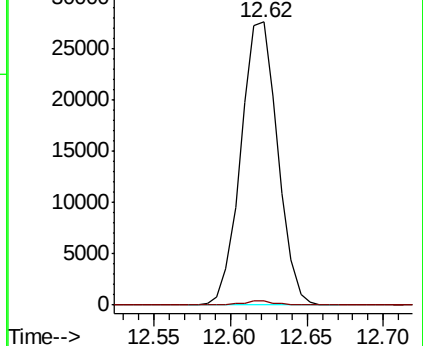
75 100

77 1.3 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 113.947 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010463.D

Acq: 20 May 2019 22:46

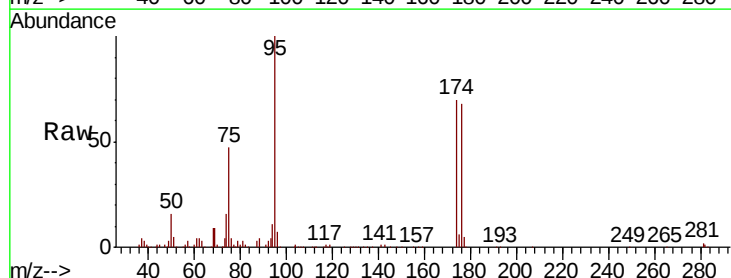
Tgt Ion: 75 Resp: 46057

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

