

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010504.D
 Acq On : 22 May 2019 12:24
 Operator : SY/VA
 Sample : K2986-01
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-19(6.5-7)

Quant Time: May 23 06:56:15 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

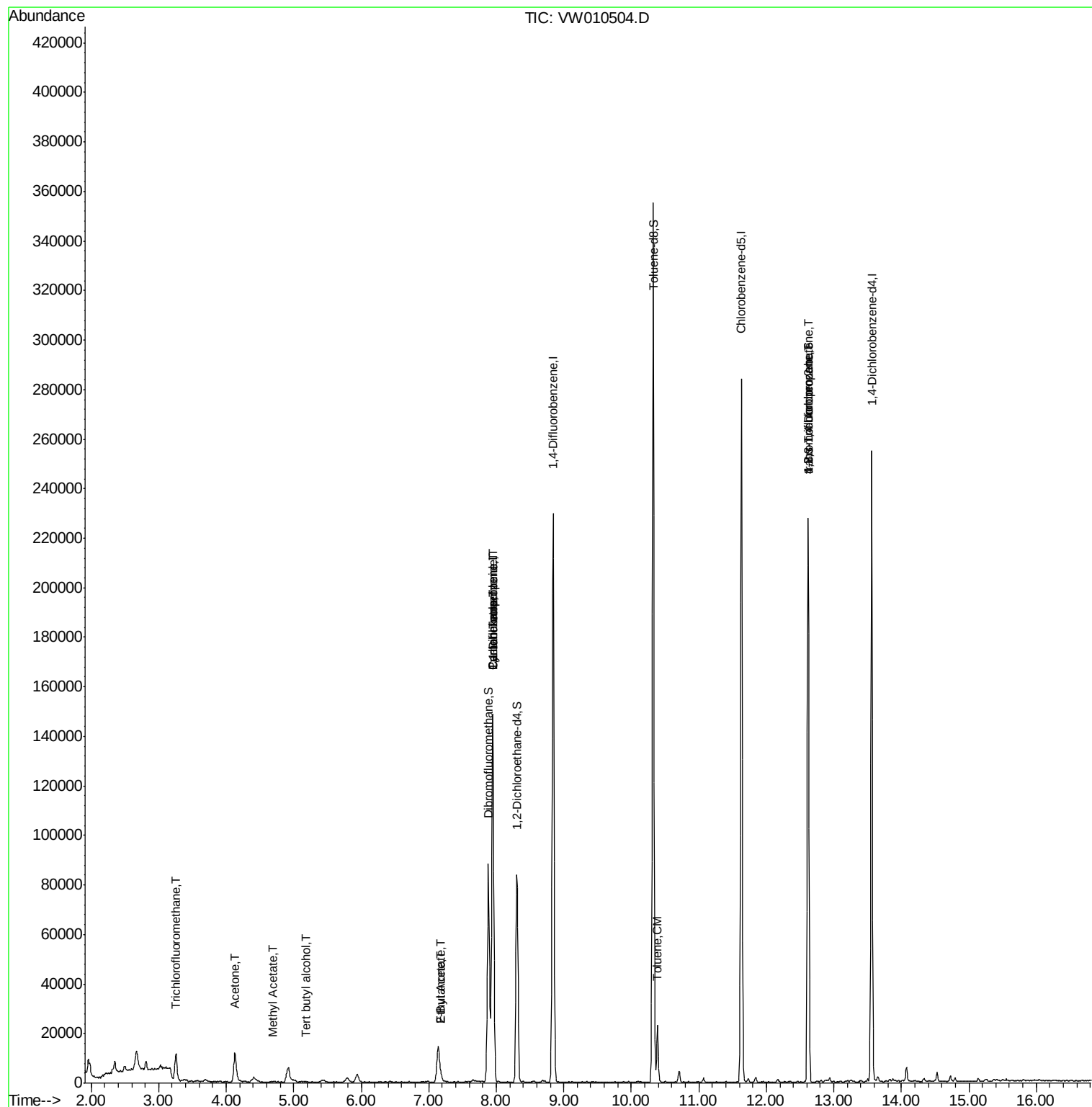
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	201981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	65919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	65556	57.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.16%	
35) Dibromofluoromethane	7.88	113	63764	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
50) Toluene-d8	10.32	98	243205	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.62	95	83579	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.64%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.26	101	10919	5.510	ug/l	96
11) Tert butyl alcohol	5.19	59	106	1.035	ug/l #	71
13) Acrolein	3.88	56	27	Below Cal	#	13
16) Acetone	4.13	43	20869	89.803	ug/l	96
18) Methyl Acetate	4.70	43	695	1.223	ug/l #	60
20) Methylene Chloride	4.92	84	4693	Below Cal		96
25) 2-Butanone	7.18	43	4803	14.442	ug/l	97
31) Cyclohexane	7.95	56	2425	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8537	4.537	ug/l #	48
37) Ethyl Acetate	7.18	43	4803	6.003	ug/l #	67
38) Carbon Tetrachloride	7.95	117	11468	5.650	ug/l #	15
52) Toluene	10.39	92	9794	2.789	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	38721	57.869	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38721	120.773	ug/l #	14

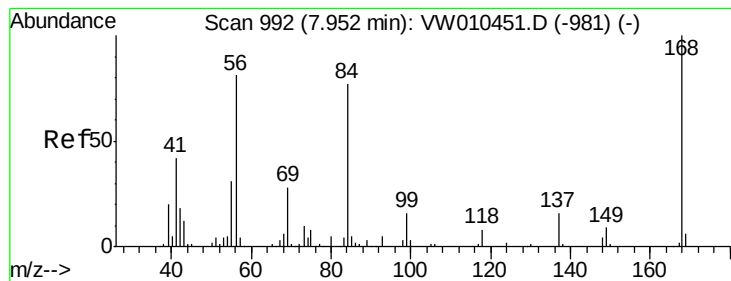
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010504.D
Acq On : 22 May 2019 12:24
Operator : SY/VA
Sample : K2986-01
Misc : 5.55G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FESB-19(6.5-7)

Quant Time: May 23 06:56:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
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# 992

Delta R.T. -0.00 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

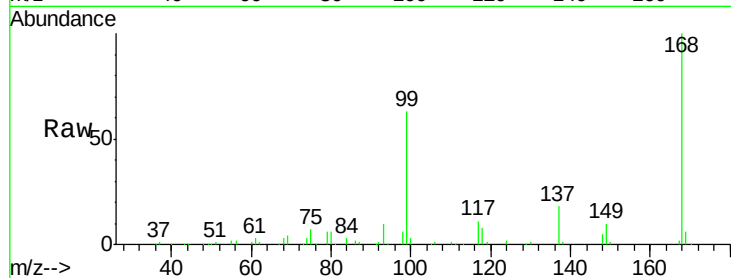
FESB-19(6.5-7)

Tot Ion:168 Resp: 110298

Ion Ratio Lower Upper

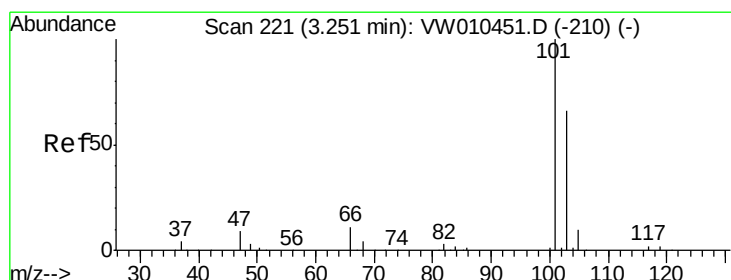
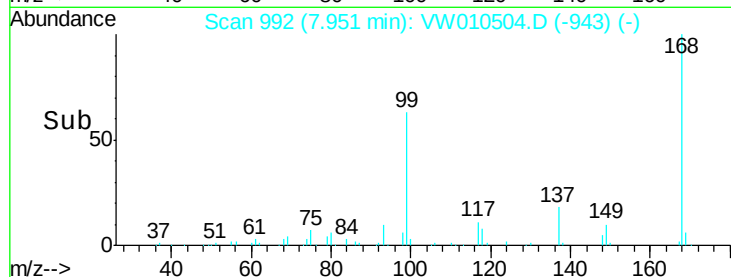
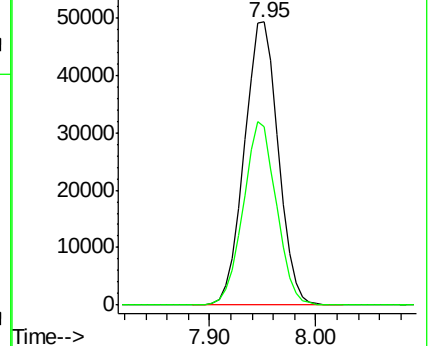
168 100

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



#7

Trichlorofluoromethane

Concen: 5.510 ug/l

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW010504.D

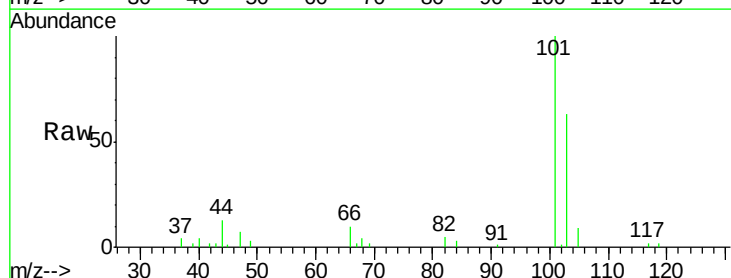
Acq: 22 May 2019 12:24

Tgt Ion:101 Resp: 10919

Ion Ratio Lower Upper

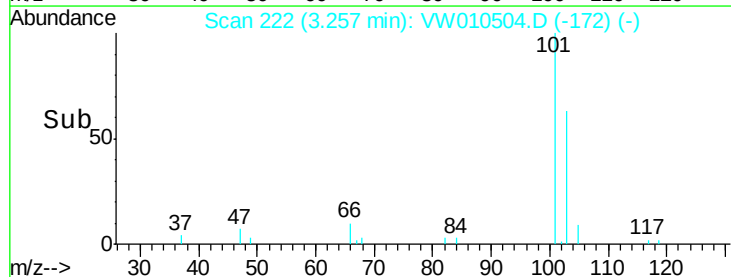
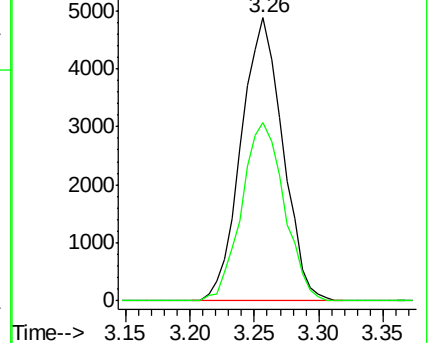
101 100

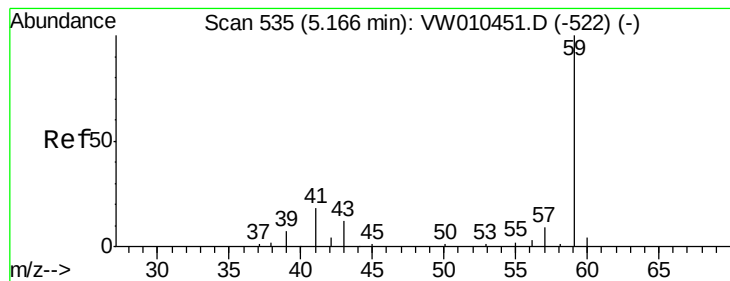
103 62.8 53.0 79.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



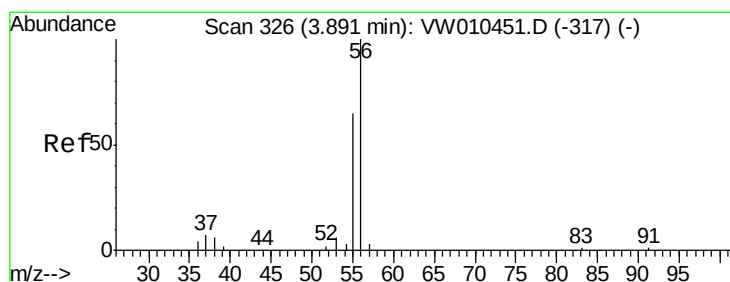
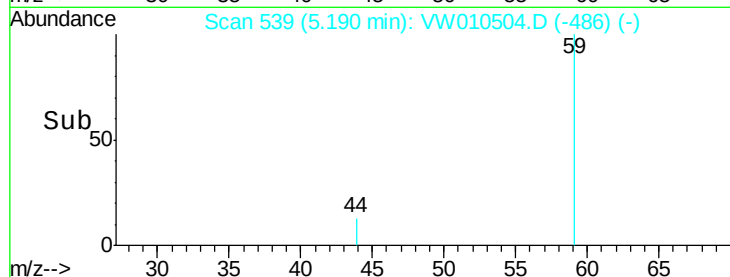
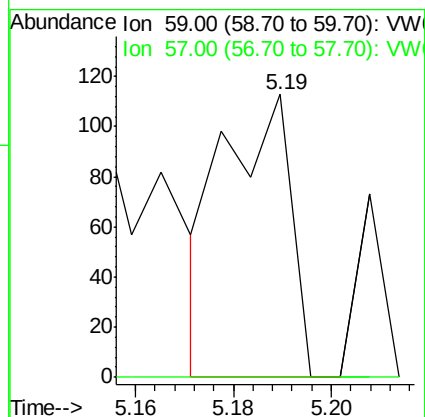
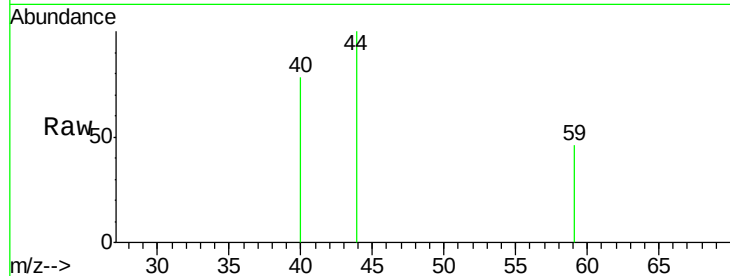


#11

Tert butyl alcohol
 Concen: 1.035 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010504.D
 Acq: 22 May 2019 12:24

Instrument :
 MSVOA_W
 ClientSampled :
 FESB-19(6.5-7)

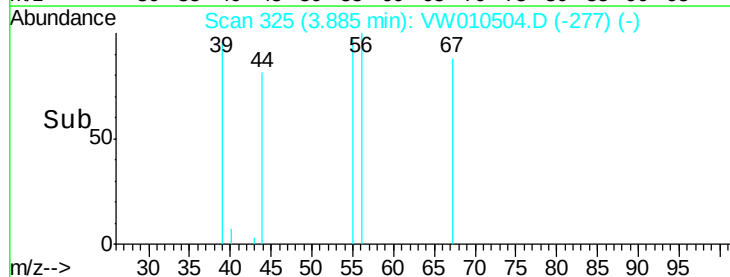
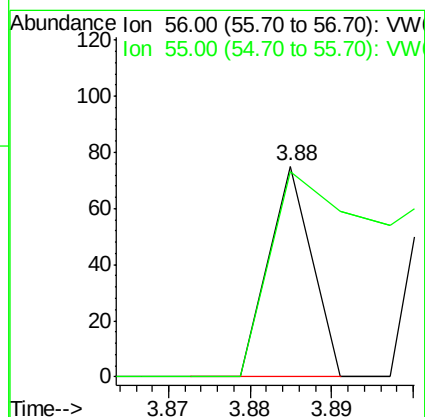
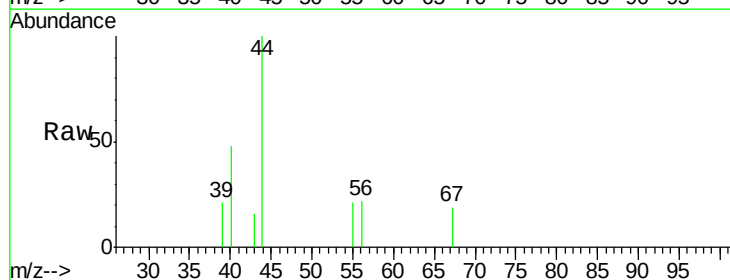
Tot Ion: 59 Resp: 106
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

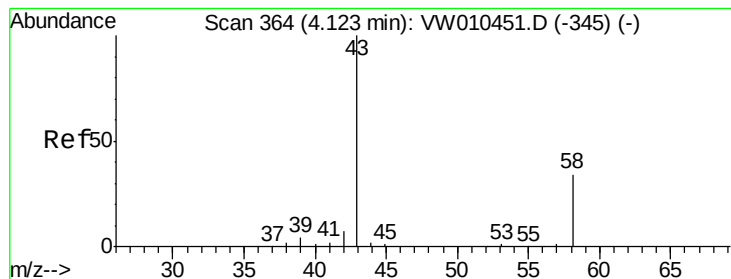


#13

Acrolein
 Concen: Below Cal
 RT: 3.88 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW010504.D
 Acq: 22 May 2019 12:24

Tgt Ion: 56 Resp: 27
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.9 86.9#





#16

Acetone

Concen: 89.803 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

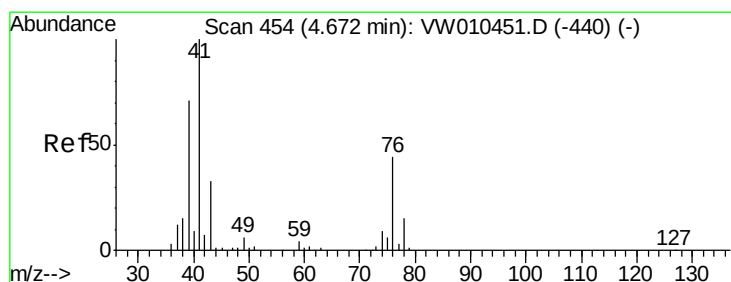
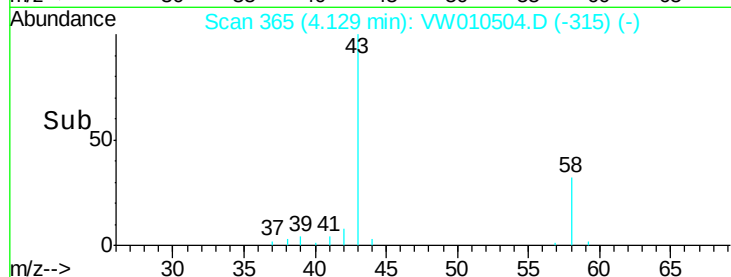
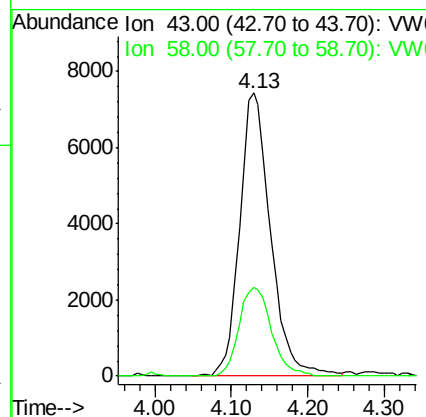
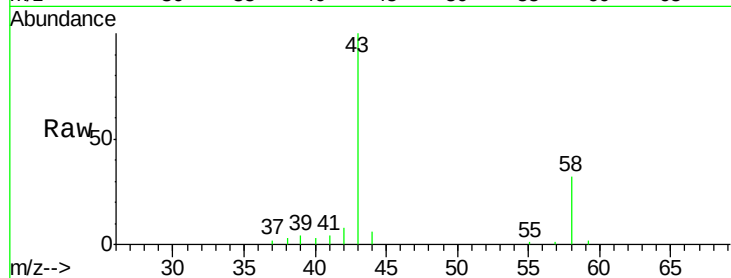
FESB-19(6.5-7)

Tot Ion: 43 Resp: 20869

Ion Ratio Lower Upper

43 100

58 31.5 27.0 40.4



#18

Methyl Acetate

Concen: 1.223 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.02 min

Lab File: VW010504.D

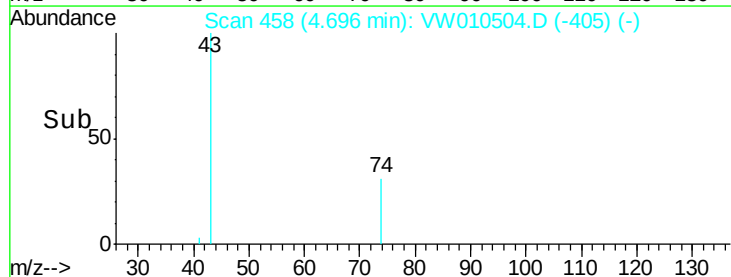
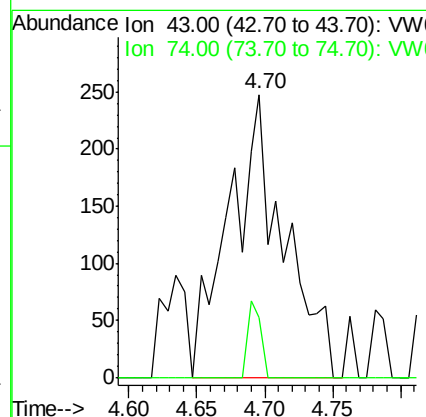
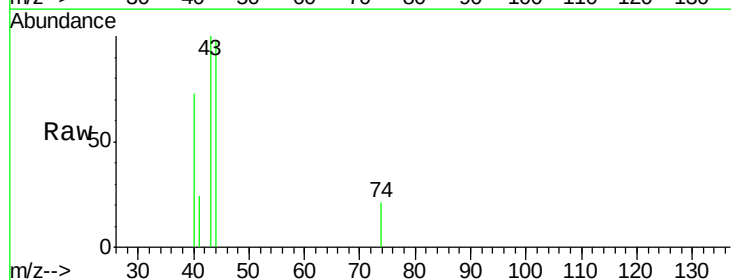
Acq: 22 May 2019 12:24

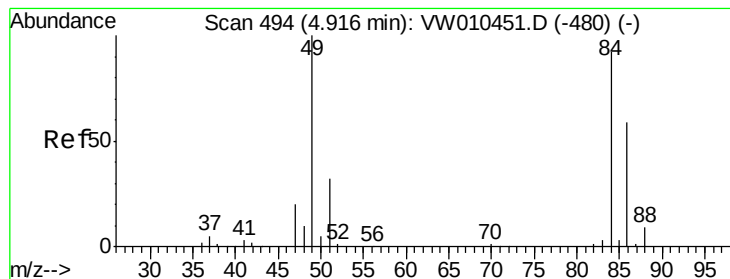
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

74 6.3 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

FESB-19(6.5-7)

Tot Ion: 84 Resp: 4693

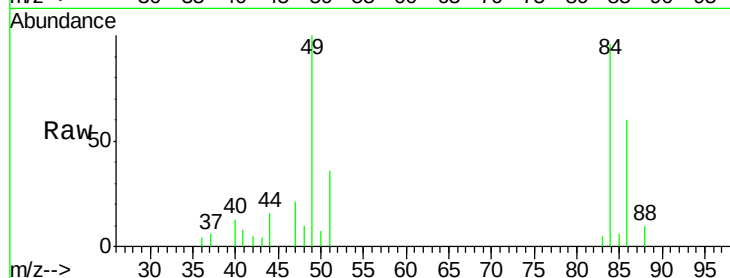
Ion Ratio Lower Upper

84 100

49 104.4 87.2 130.8

51 37.2 27.7 41.5

86 63.0 51.4 77.0

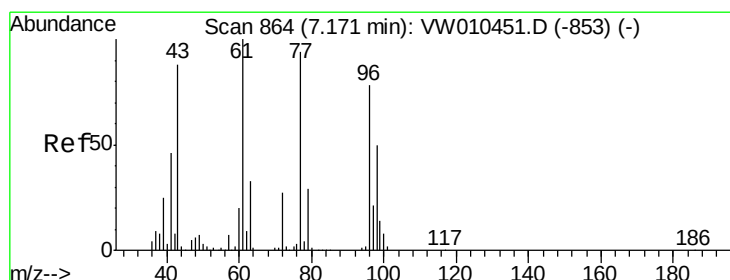
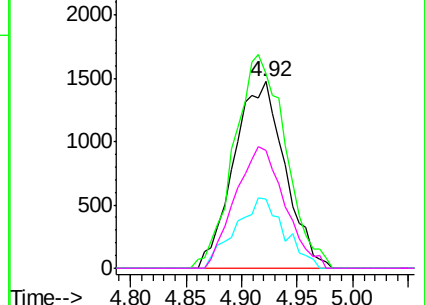
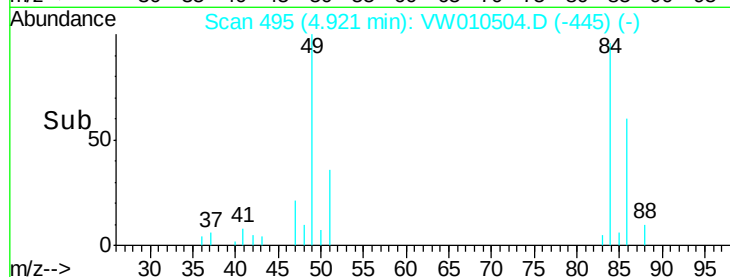


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 14.442 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010504.D

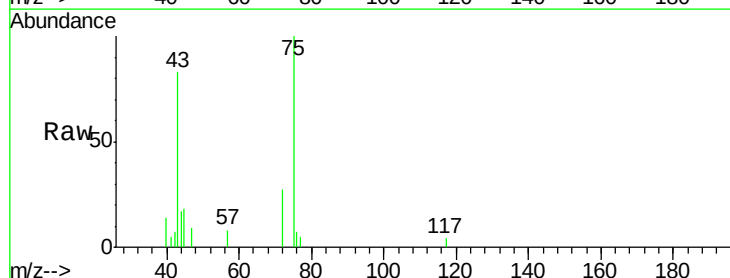
Acq: 22 May 2019 12:24

Tgt Ion: 43 Resp: 4803

Ion Ratio Lower Upper

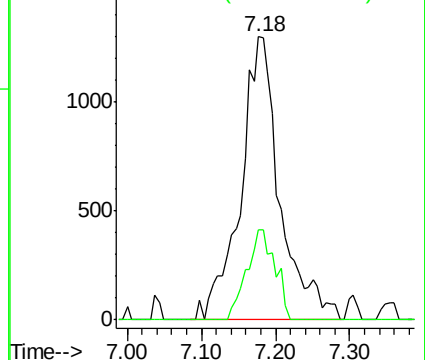
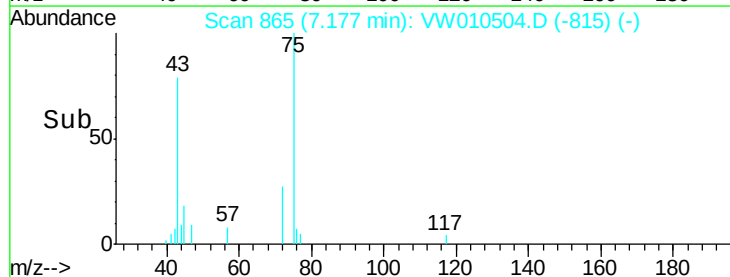
43 100

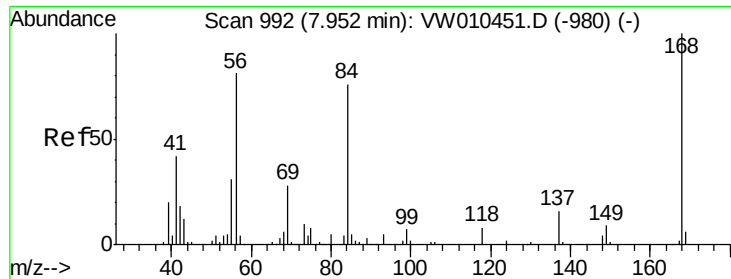
72 31.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

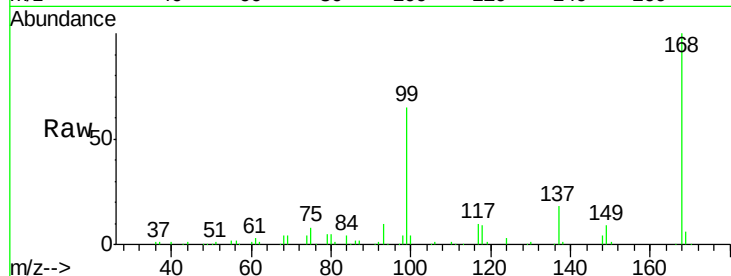




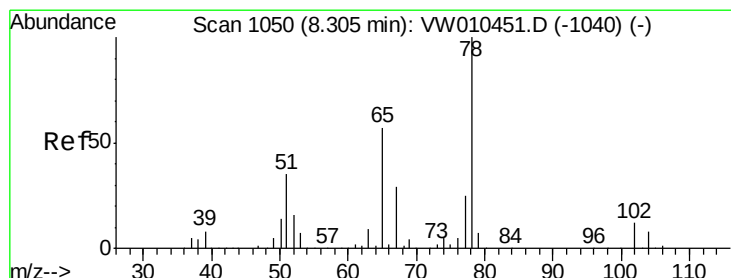
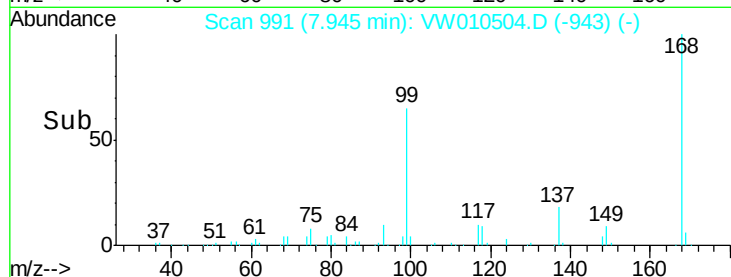
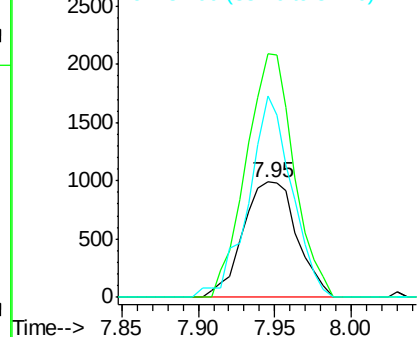
#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
FESB-19(6.5-7)

Tot Ion: 56 Resp: 2425
Ion Ratio Lower Upper
56 100
69 211.3 28.2 42.2#
84 182.2 75.8 113.8#

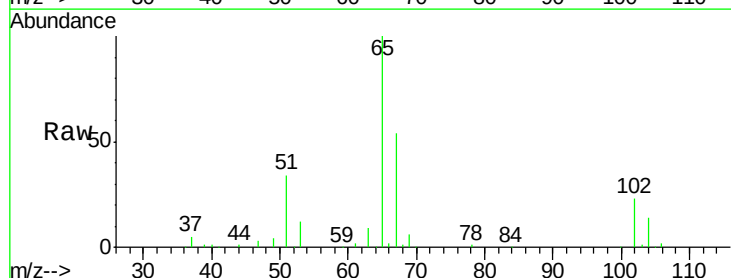


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

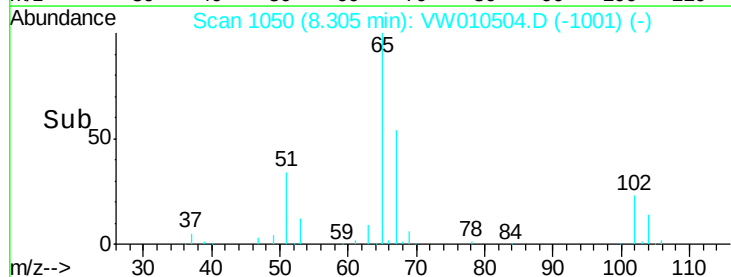
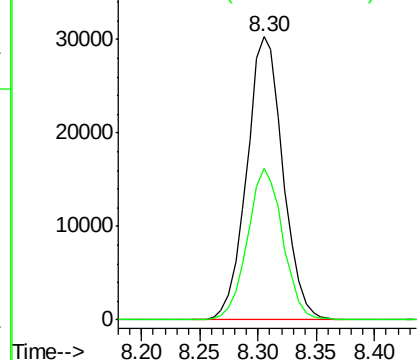


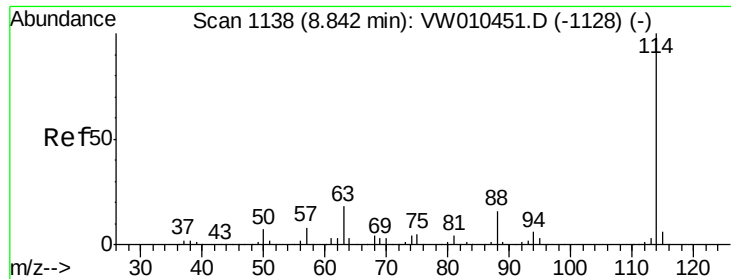
#33
1,2-Dichloroethane-d4
Concen: 57.583 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Tgt Ion: 65 Resp: 65556
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

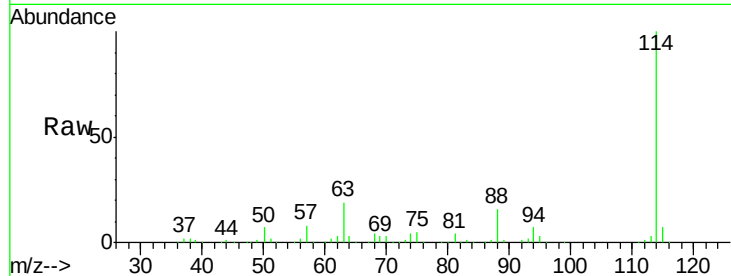




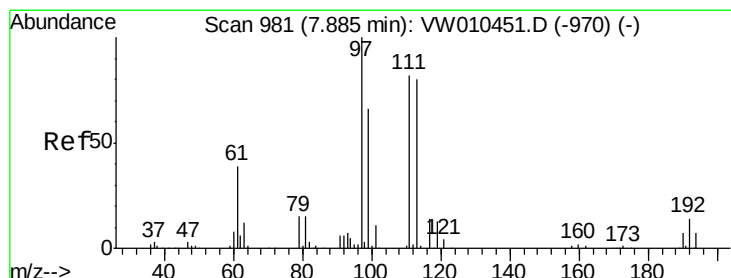
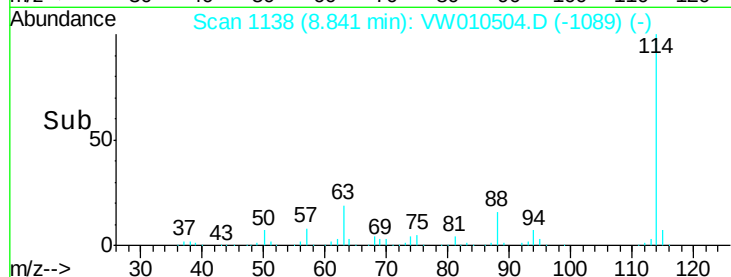
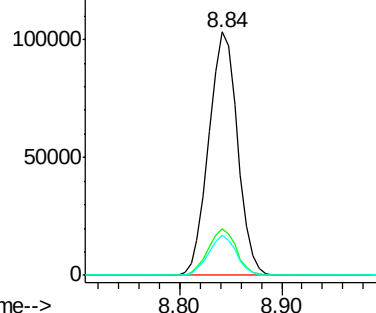
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
FESB-19(6.5-7)

Tot Ion:114 Resp: 201981
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.0
88 16.2 0.0 32.0

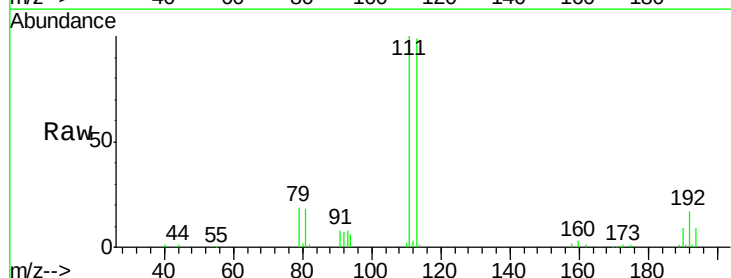


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

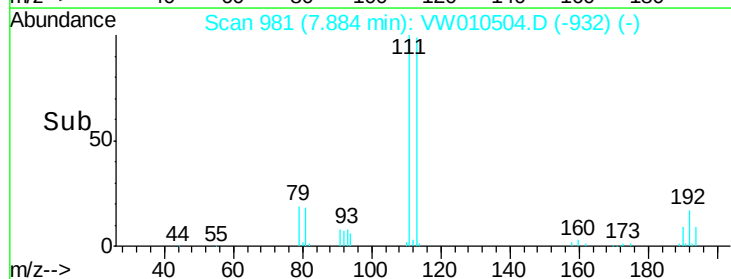
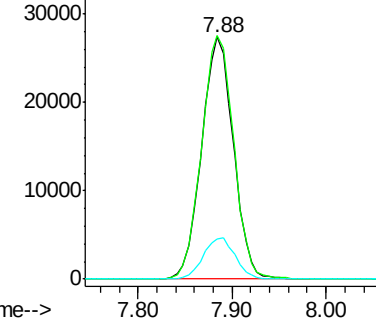


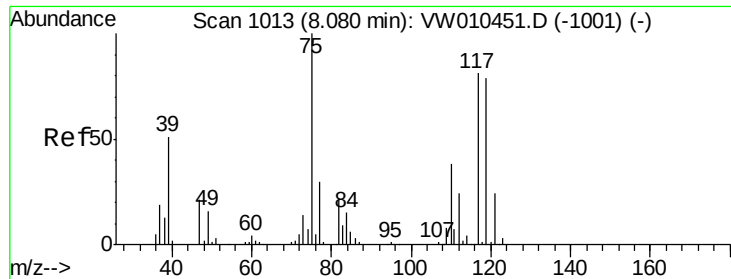
#35
Dibromofluoromethane
Concen: 52.028 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Tgt Ion:113 Resp: 63764
Ion Ratio Lower Upper
113 100
111 102.1 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: 4.537 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

FESB-19(6.5-7)

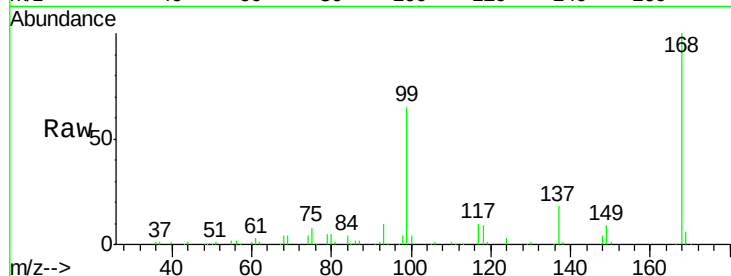
Tot Ion: 75 Resp: 8537

Ion Ratio Lower Upper

75 100

110 9.5 19.2 57.6#

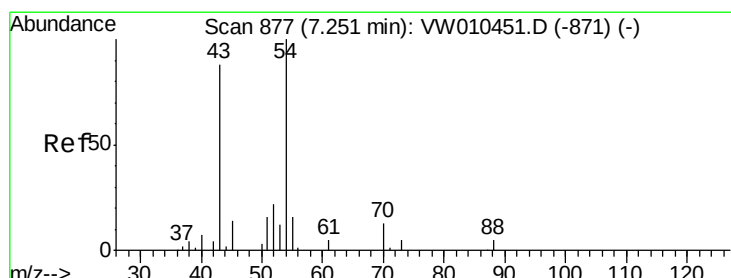
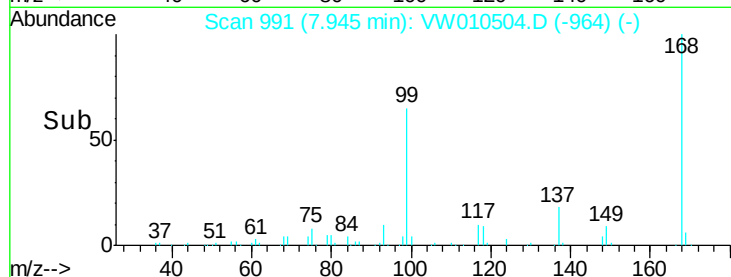
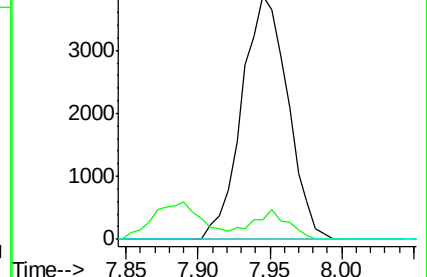
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 6.003 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

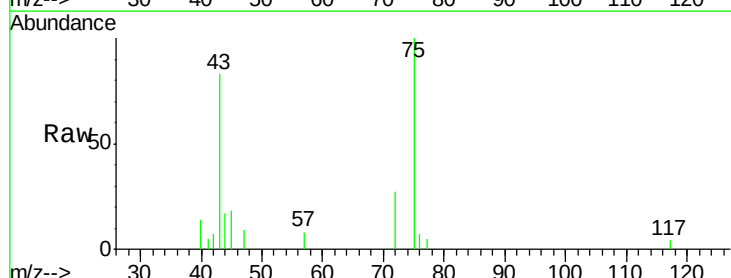
Tgt Ion: 43 Resp: 4803

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

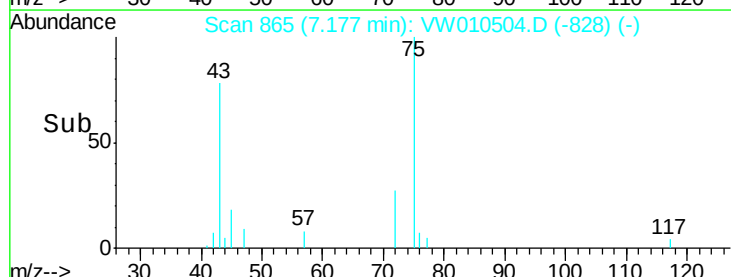
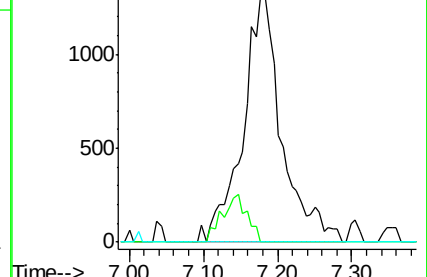
70 0.0 9.9 14.9#

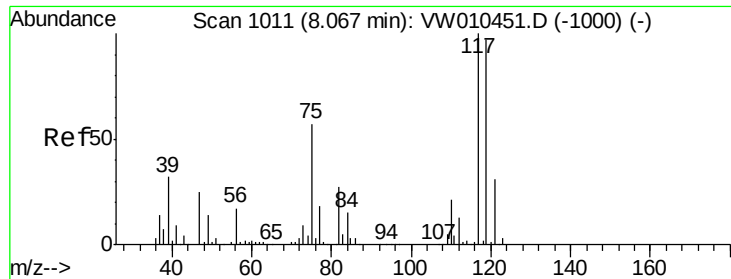


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 5.650 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

FESB-19(6.5-7)

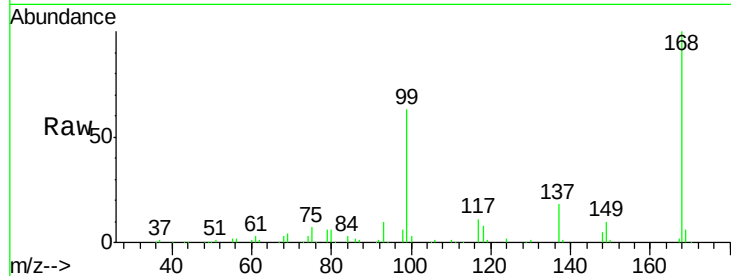
Tot Ion:117 Resp: 11468

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

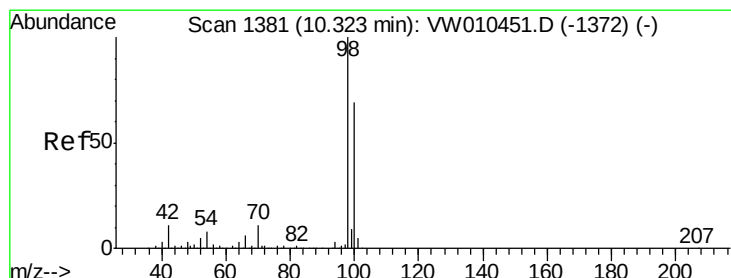
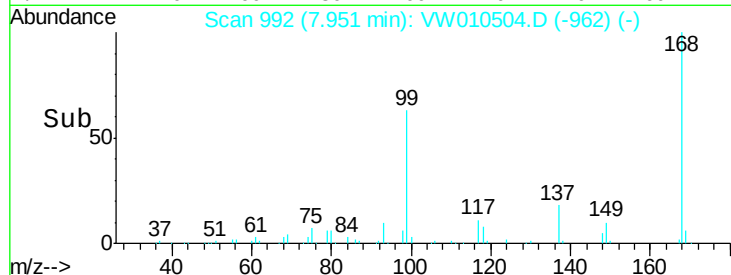
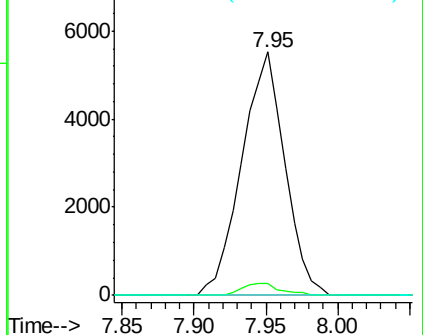
121 0.0 25.0 37.6#



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: 51.945 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010504.D

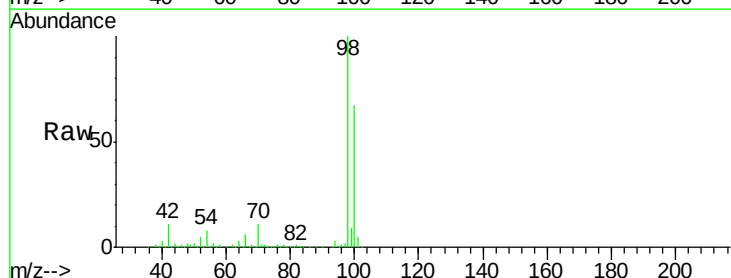
Acq: 22 May 2019 12:24

Tgt Ion: 98 Resp: 243205

Ion Ratio Lower Upper

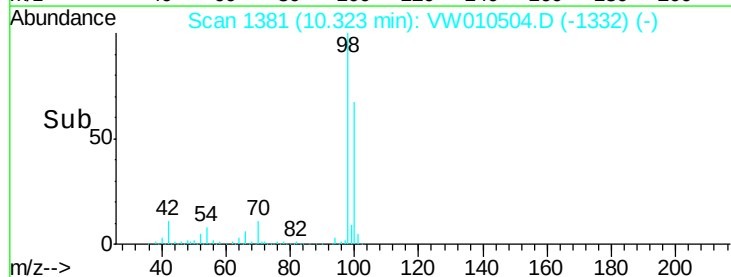
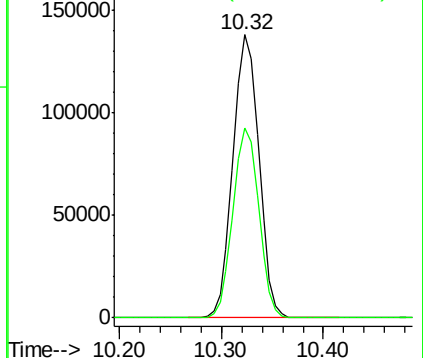
98 100

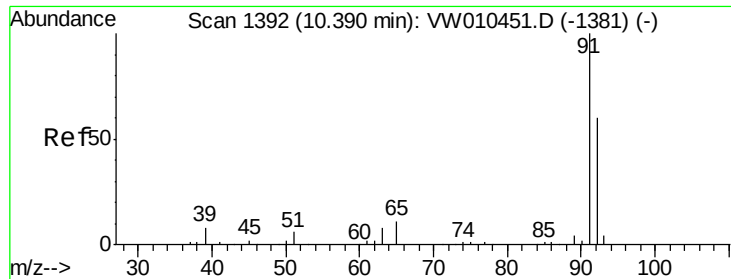
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.789 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

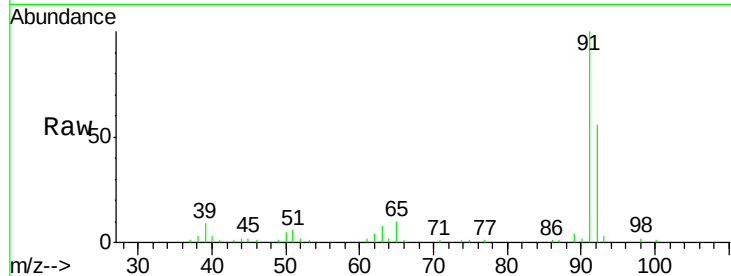
FESB-19(6.5-7)

Tot Ion: 92 Resp: 9794

Ion Ratio Lower Upper

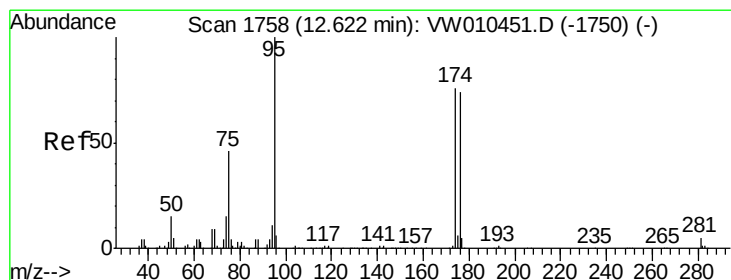
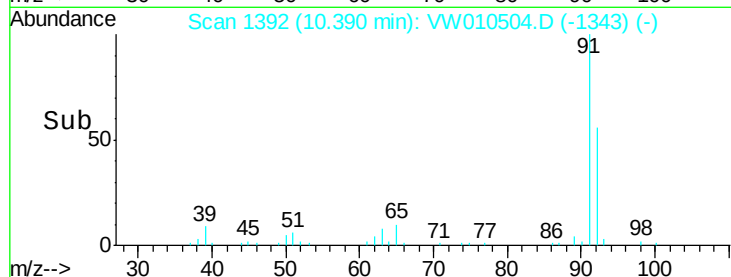
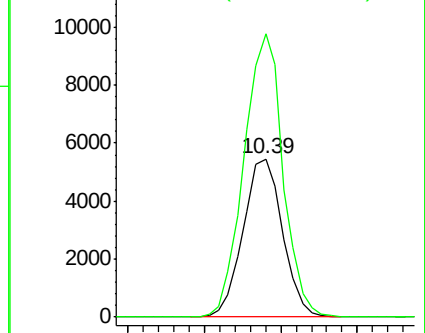
92 100

91 176.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 44.817 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

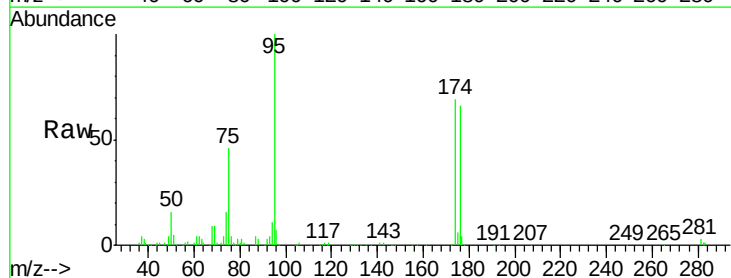
Tgt Ion: 95 Resp: 83579

Ion Ratio Lower Upper

95 100

174 68.6 0.0 148.6

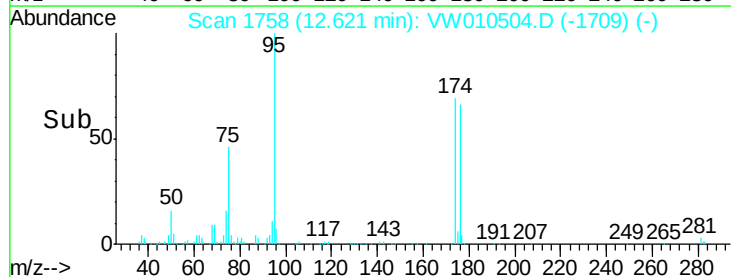
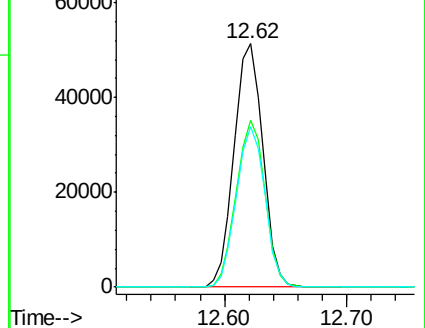
176 65.7 0.0 144.2

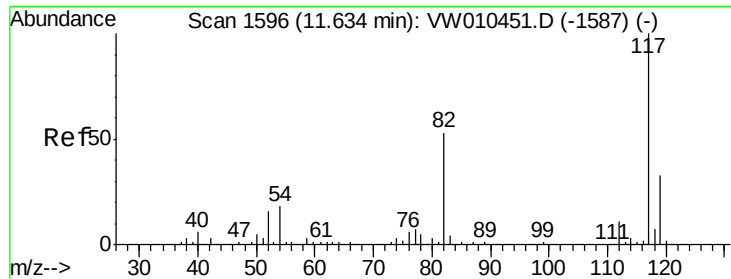


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

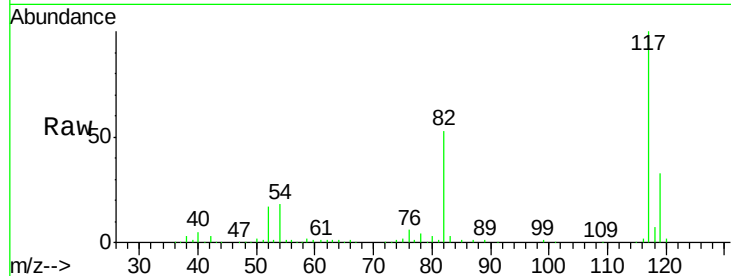




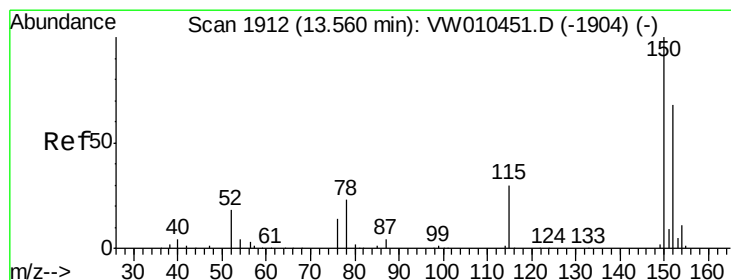
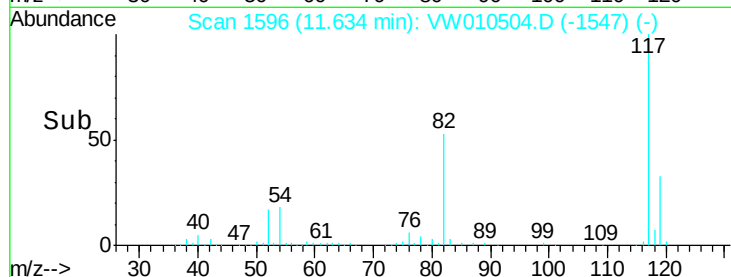
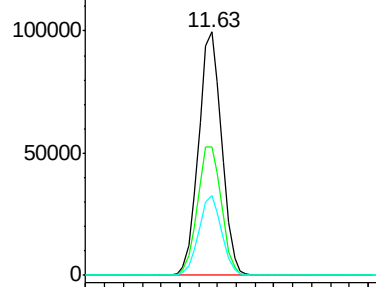
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
FESB-19(6.5-7)

Tot Ion:117 Resp: 169220
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.6 26.3 39.5

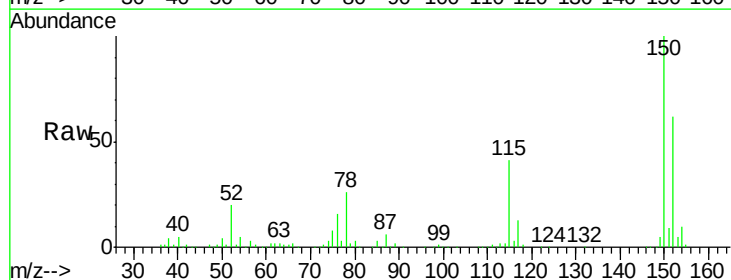


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

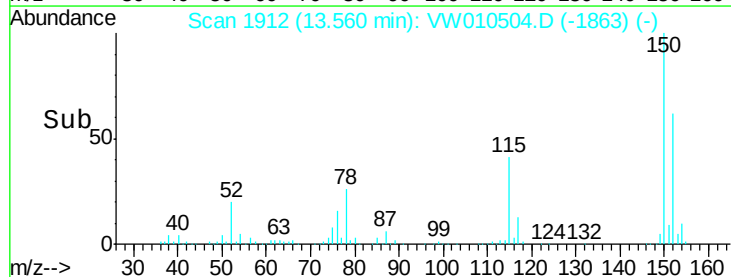
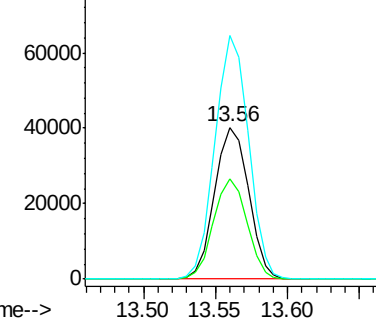


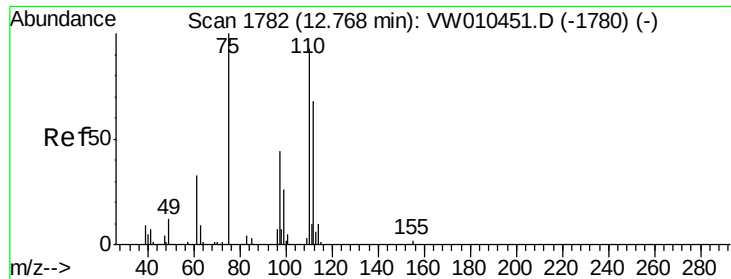
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010504.D
Acq: 22 May 2019 12:24

Tgt Ion:152 Resp: 65919
Ion Ratio Lower Upper
152 100
115 64.9 30.3 91.0
150 158.2 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: 57.869 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

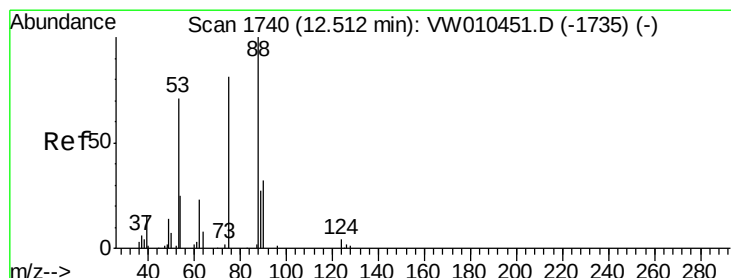
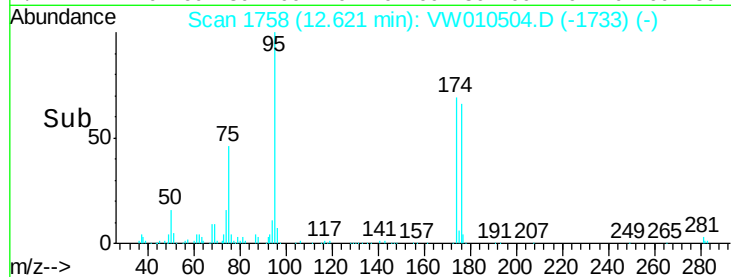
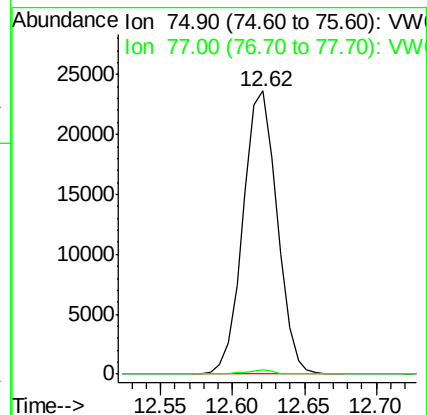
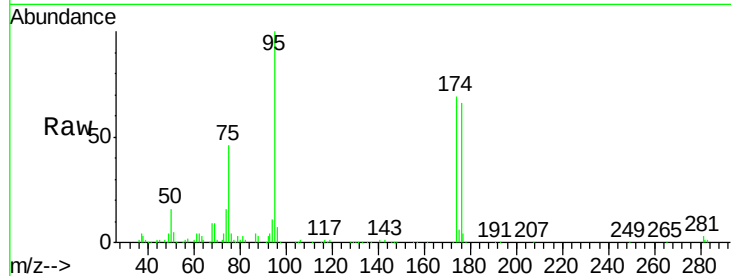
FESB-19(6.5-7)

Tot Ion: 75 Resp: 38721

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.773 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010504.D

Acq: 22 May 2019 12:24

Tgt Ion: 75 Resp: 38721

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

