

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010505.D
 Acq On : 22 May 2019 12:52
 Operator : SY/VA
 Sample : K2986-02
 Misc : 6.69G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-21(4.5-5)

Quant Time: May 23 06:56:29 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	111092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	204697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	182958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	68249	59.52	ug/l	0.00
Spiked Amount			Recovery	=	119.04%	
35) Dibromofluoromethane	7.88	113	61978	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.32	98	253506	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	92837	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

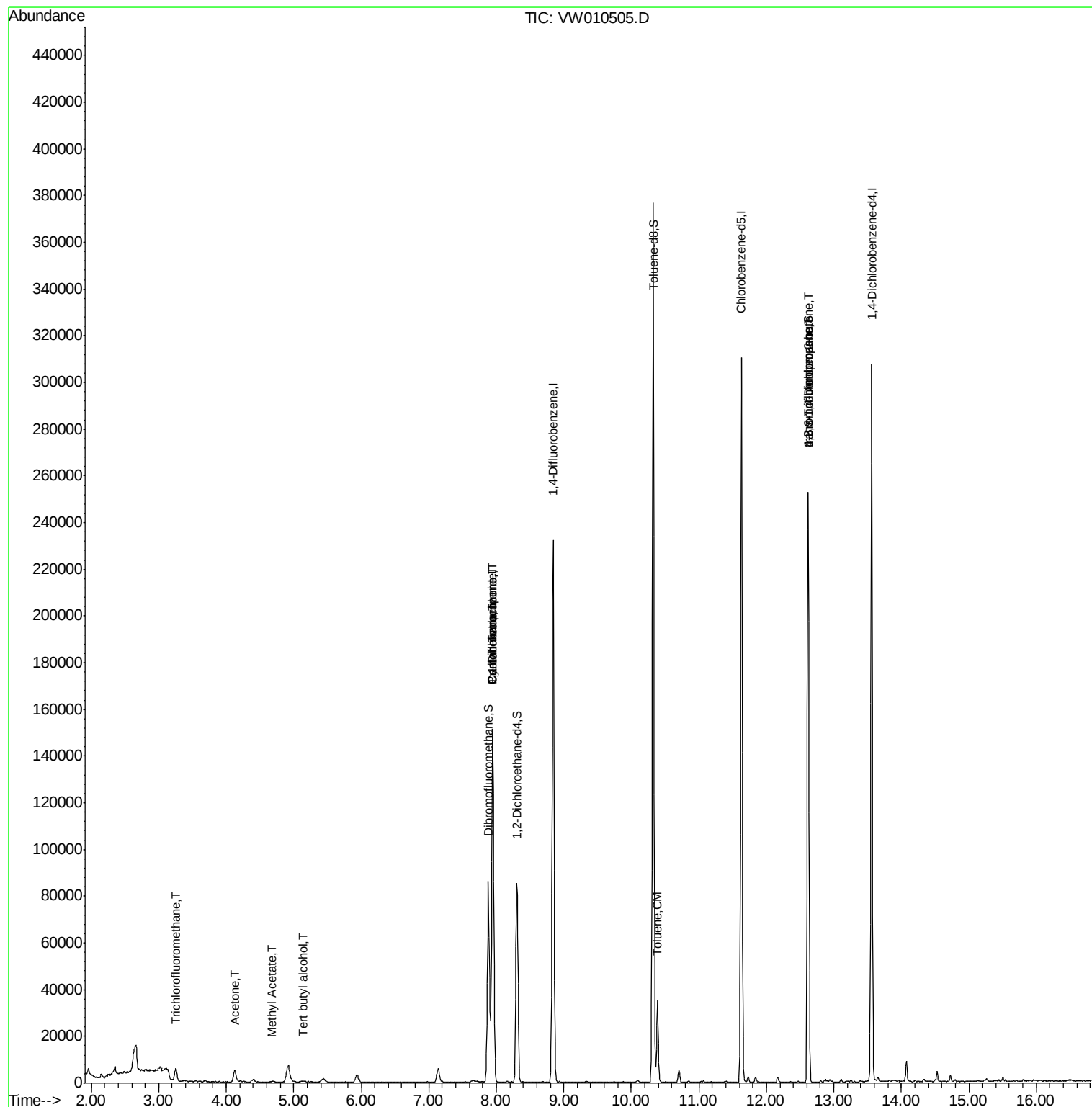
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	27	Below Cal	#	42
7) Trichlorofluoromethane	3.25	101	5769	2.890	ug/l	94
11) Tert butyl alcohol	5.13	59	518	5.022	ug/l #	82
13) Acrolein	3.81	56	24	Below Cal	#	1
16) Acetone	4.12	43	9400	40.161	ug/l	93
18) Methyl Acetate	4.67	43	977	1.707	ug/l #	52
20) Methylene Chloride	4.92	84	6324	Below Cal		91
31) Cyclohexane	7.94	56	2323	1.067	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	8415	4.413	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11850	5.761	ug/l #	15
52) Toluene	10.39	92	15677	4.404	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	44559	55.005	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	44559	114.797	ug/l #	14

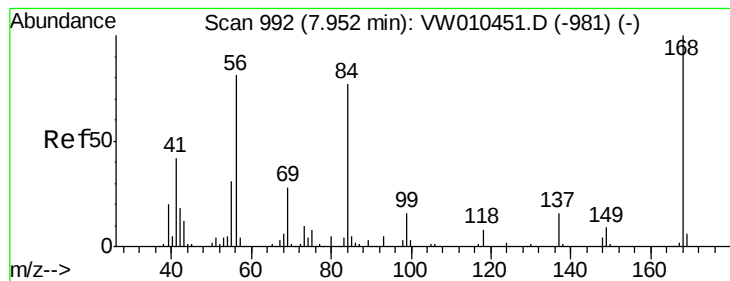
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

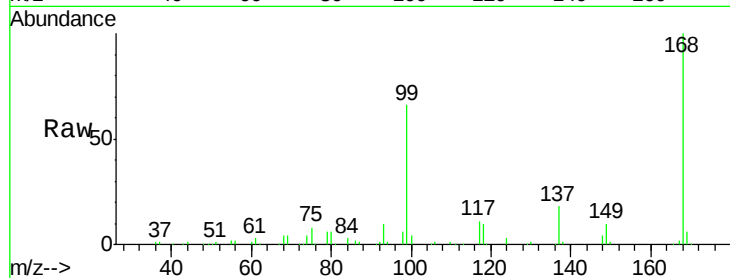
FESB-21(4.5-5)

Tot Ion:168 Resp: 111092

Ion Ratio Lower Upper

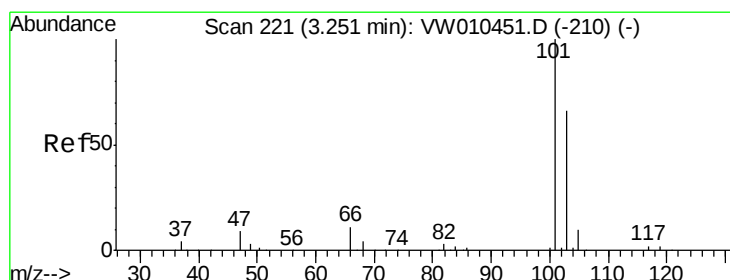
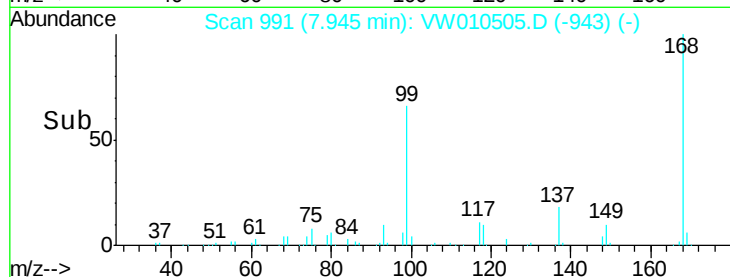
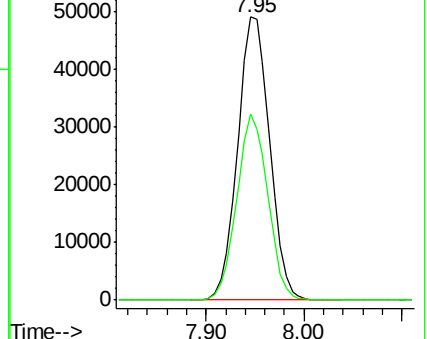
168 100

99 65.9 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: 2.890 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

Lab File: VW010505.D

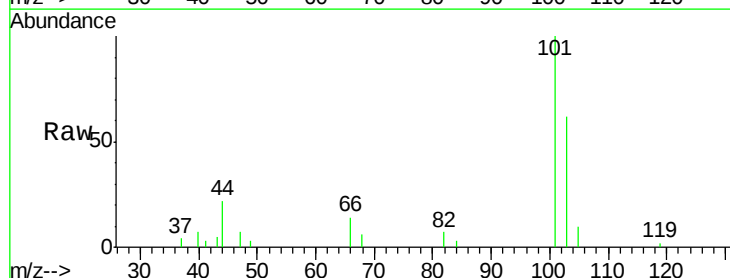
Acq: 22 May 2019 12:52

Tgt Ion:101 Resp: 5769

Ion Ratio Lower Upper

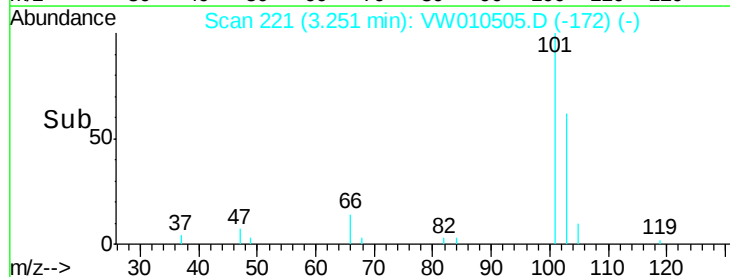
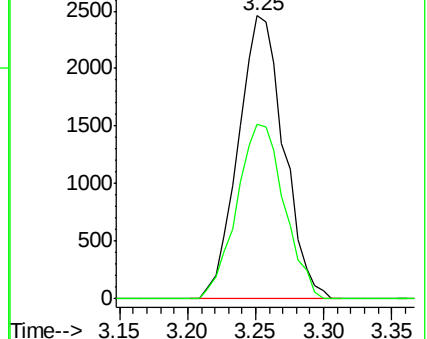
101 100

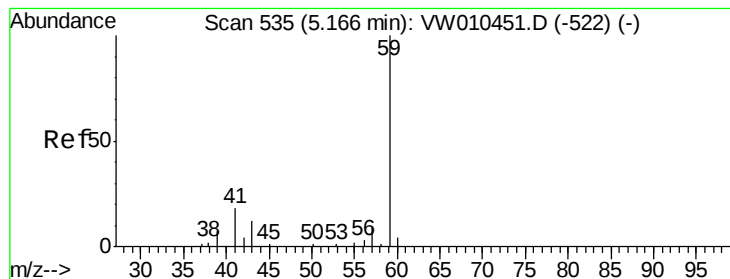
103 61.7 53.0 79.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



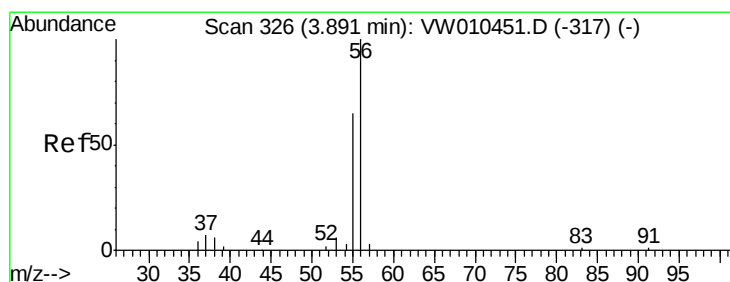
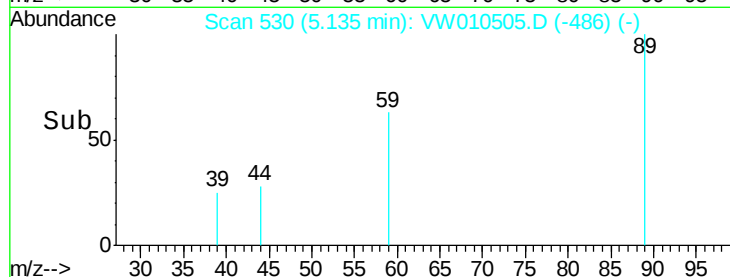
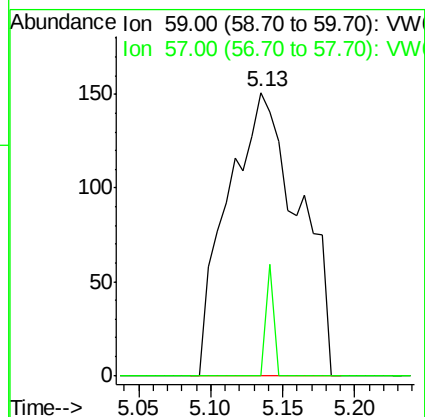
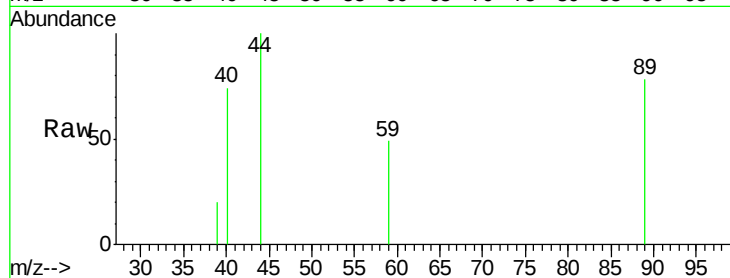


#11

Tert butyl alcohol
 Concen: 5.022 ug/l
 RT: 5.13 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VW010505.D
 Acq: 22 May 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-21(4.5-5)

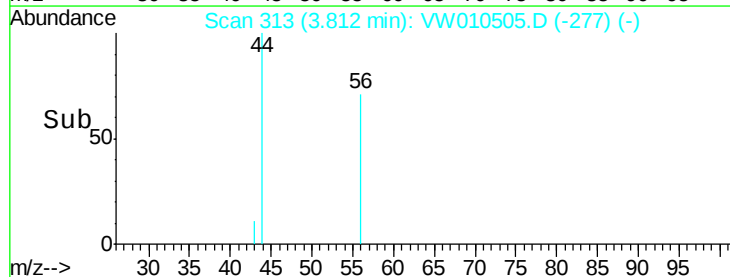
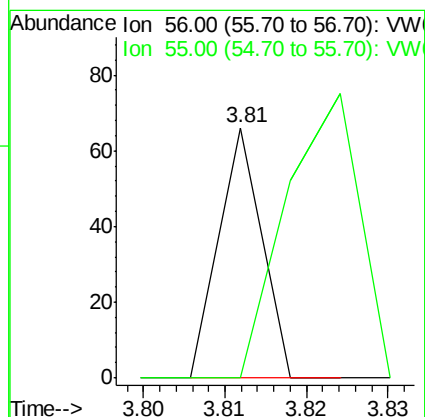
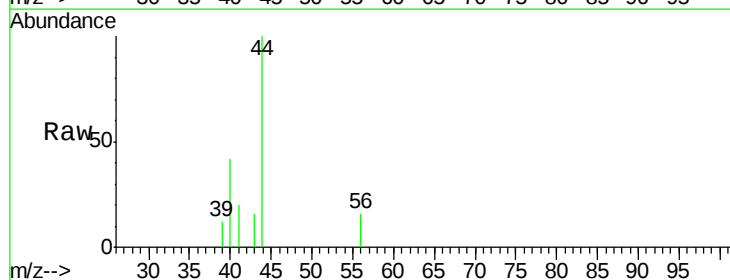
Tot Ion: 59 Resp: 518
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.8 13.2#

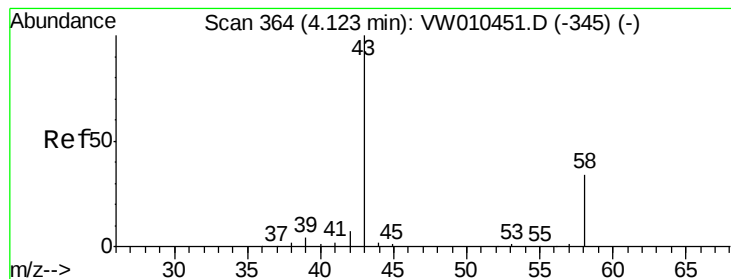


#13

Acrolein
 Concen: Below Cal
 RT: 3.81 min Scan# 313
 Delta R.T. -0.08 min
 Lab File: VW010505.D
 Acq: 22 May 2019 12:52

Tgt Ion: 56 Resp: 24
 Ion Ratio Lower Upper
 56 100
 55 270.8 57.9 86.9#





#16

Acetone

Concen: 40.161 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

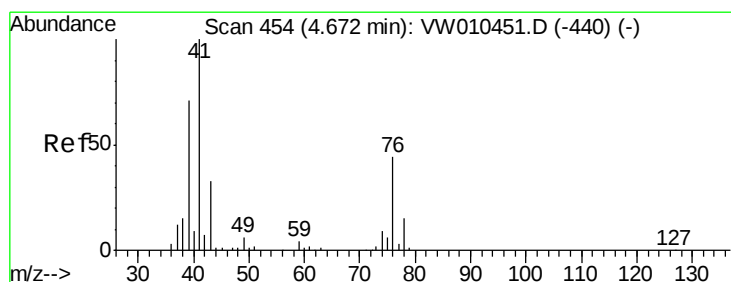
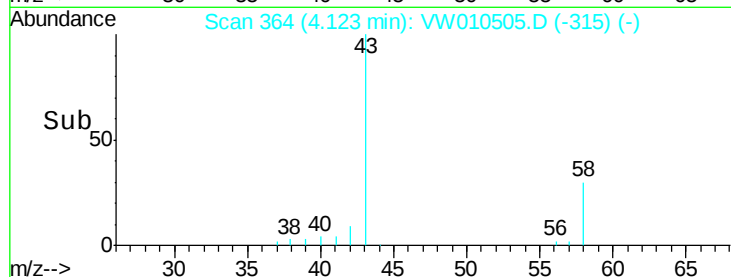
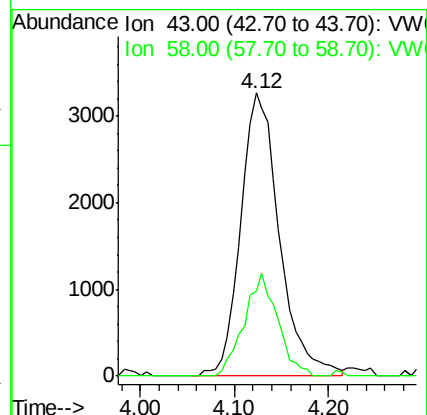
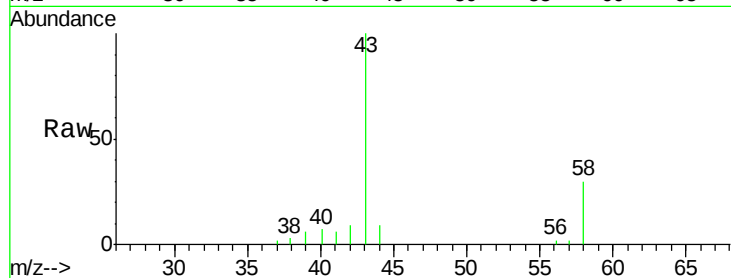
FESB-21(4.5-5)

Tot Ion: 43 Resp: 9400

Ion Ratio Lower Upper

43 100

58 30.0 27.0 40.4



#18

Methyl Acetate

Concen: 1.707 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010505.D

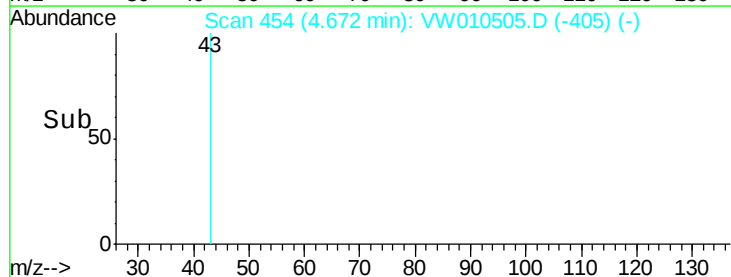
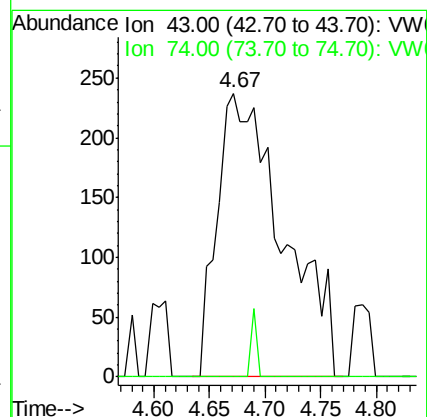
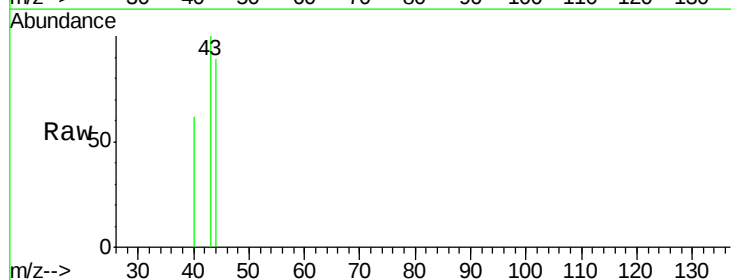
Acq: 22 May 2019 12:52

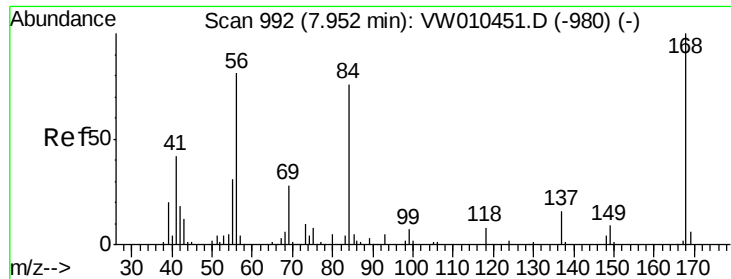
Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

43 100

74 2.1 21.6 32.4#

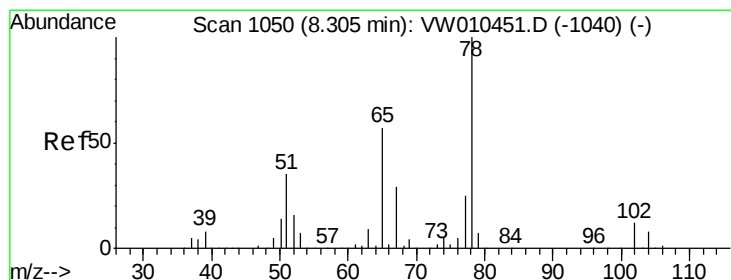
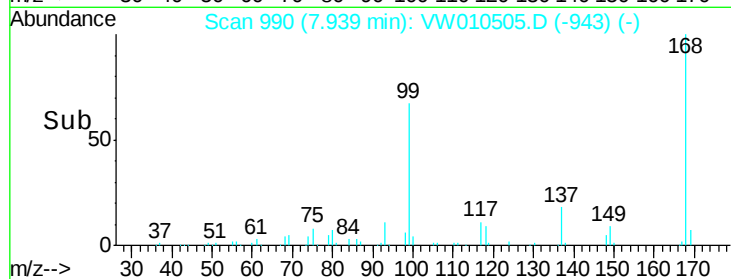
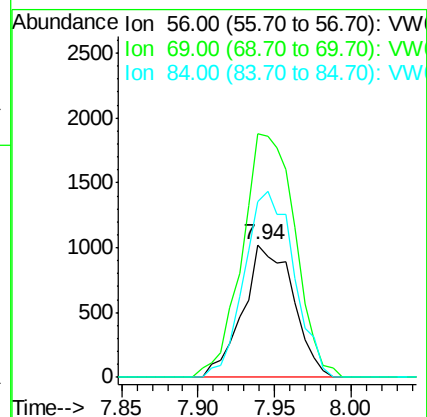
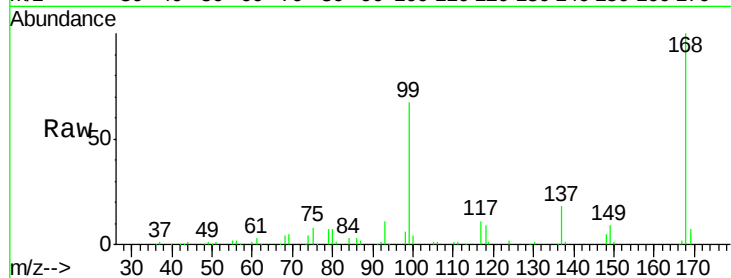




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010505.D
Acq: 22 May 2019 12:52

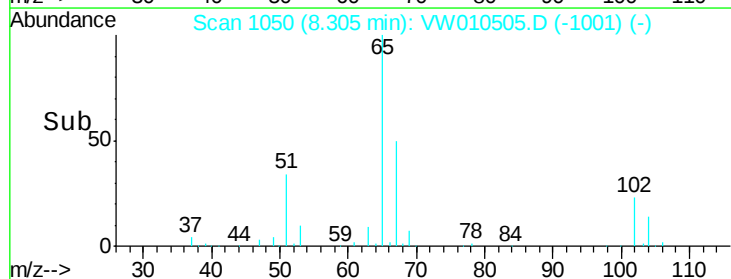
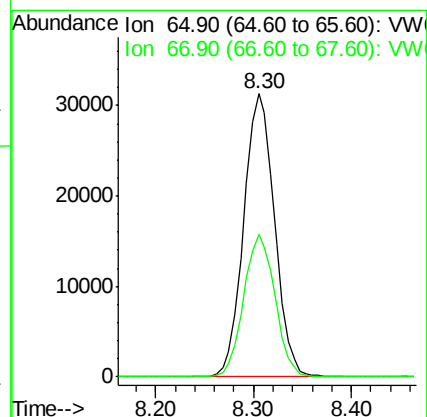
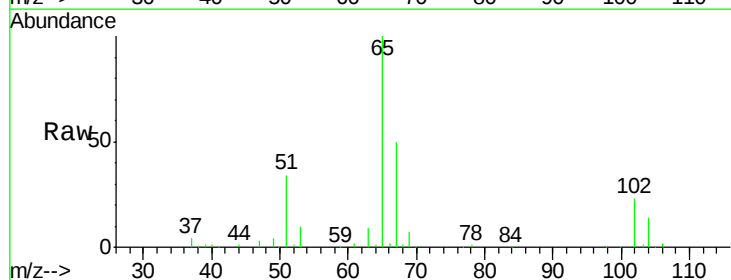
Instrument :
MSVOA_W
ClientSampleId :
FESB-21(4.5-5)

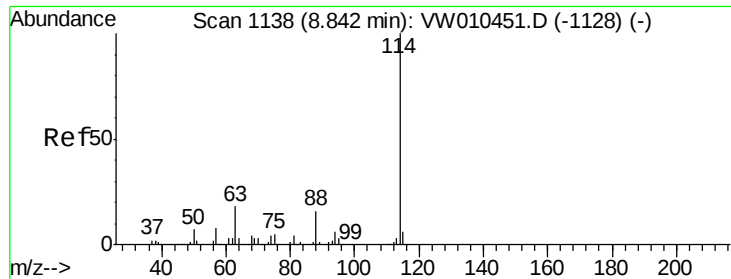
Tot Ion: 56 Resp: 2323
Ion Ratio Lower Upper
56 100
69 183.4 28.2 42.2#
84 132.3 75.8 113.8#



#33
1,2-Dichloroethane-d4
Concen: 59.520 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010505.D
Acq: 22 May 2019 12:52

Tgt Ion: 65 Resp: 68249
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.6

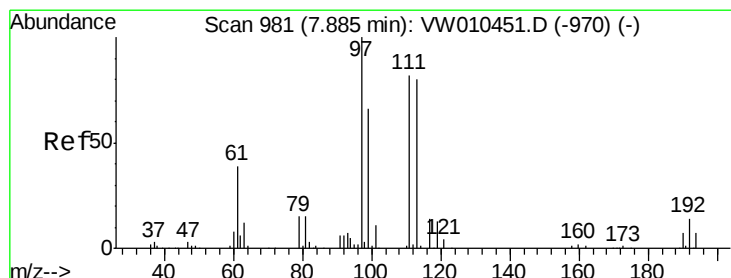
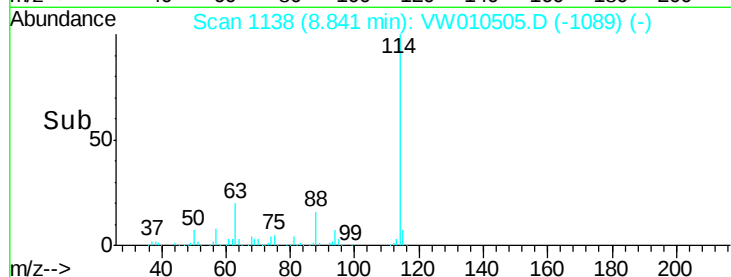
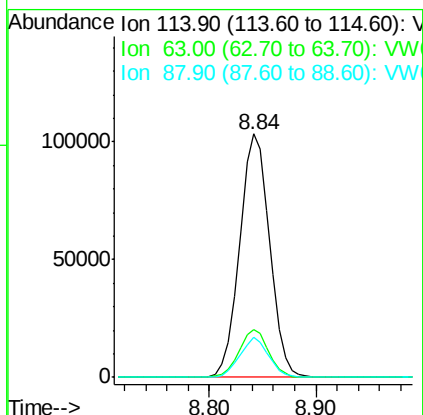
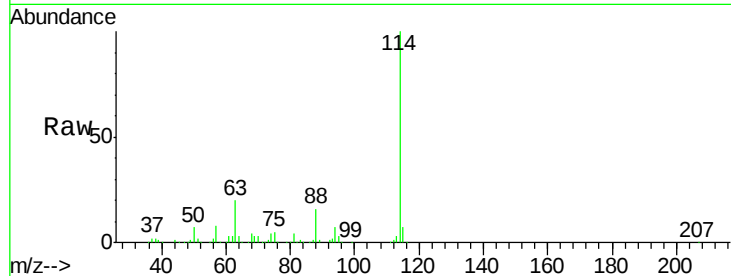




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010505.D
 Acq: 22 May 2019 12:52

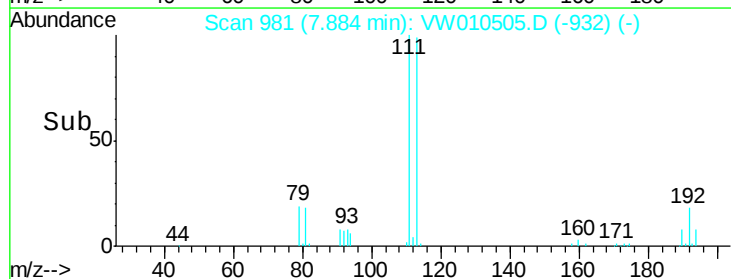
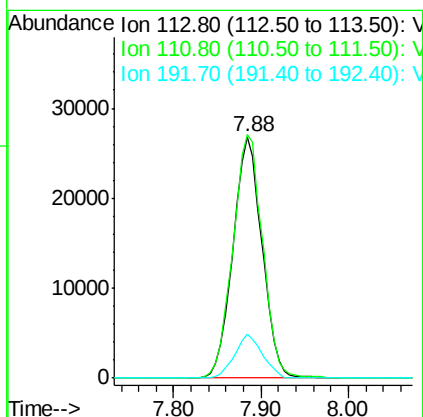
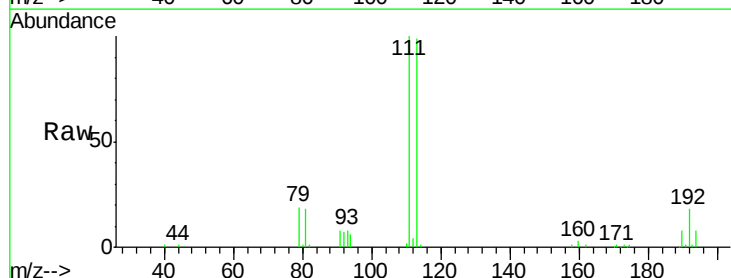
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-21(4.5-5)

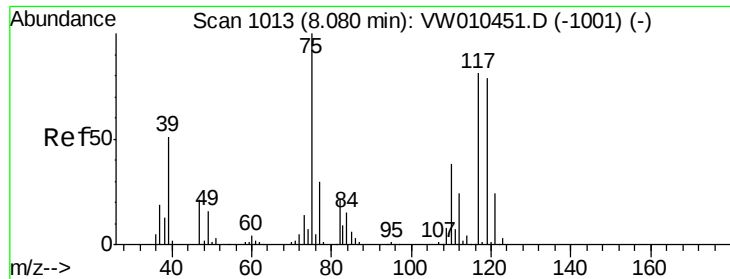
Tot Ion:114	Resp:	204697
Ion	Ratio	Lower Upper
114	100	
63	19.6	0.0 36.0
88	16.3	0.0 32.0



#35
 Dibromofluoromethane
 Concen: 49.899 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010505.D
 Acq: 22 May 2019 12:52

Tgt Ion:113	Resp:	61978
Ion	Ratio	Lower Upper
113	100	
111	103.2	82.2 123.4
192	17.4	14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.413 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

FESB-21(4.5-5)

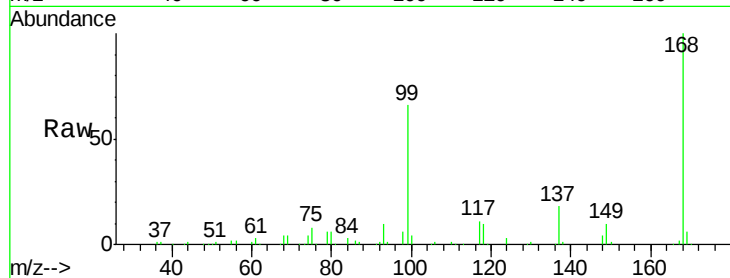
Tot Ion: 75 Resp: 8415

Ion Ratio Lower Upper

75 100

110 11.4 19.2 57.6#

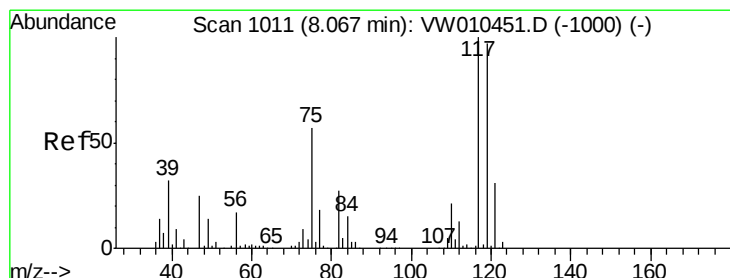
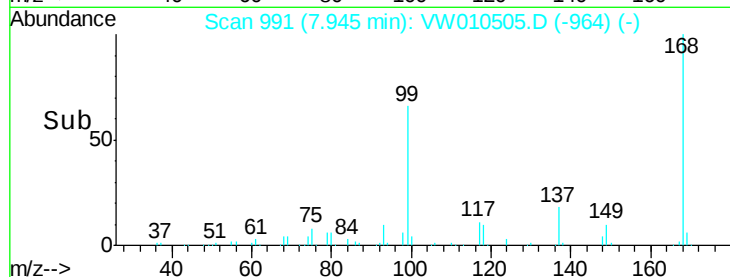
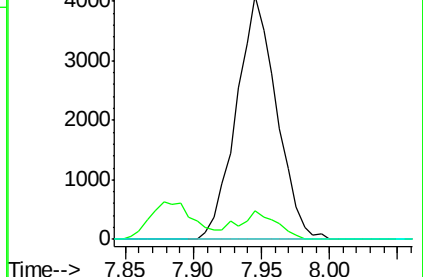
77 0.0 25.2 37.8#



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: 5.761 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

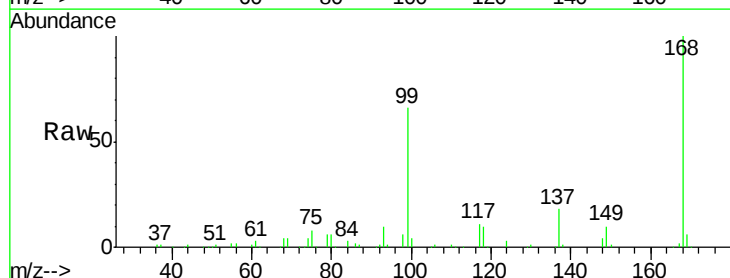
Tgt Ion: 117 Resp: 11850

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

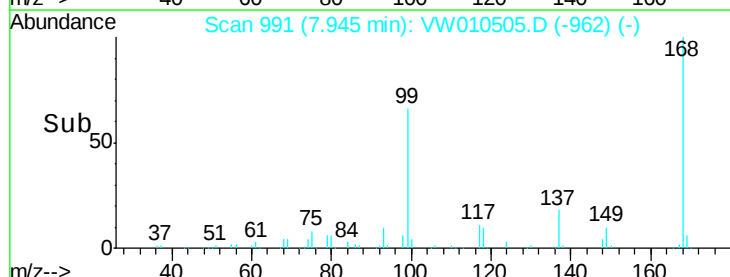
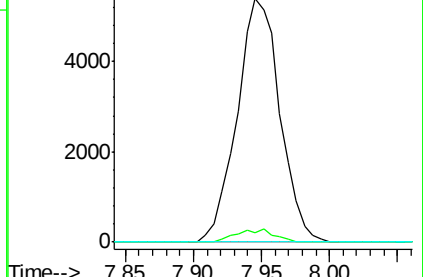
121 0.0 25.0 37.6#

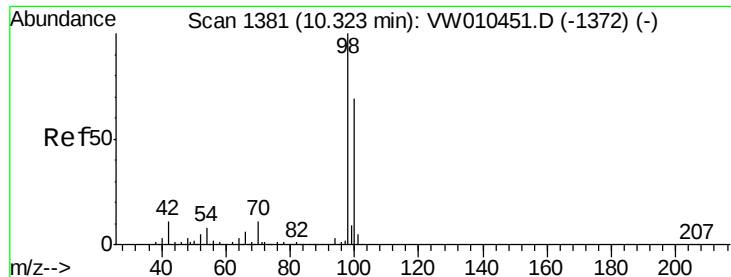


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

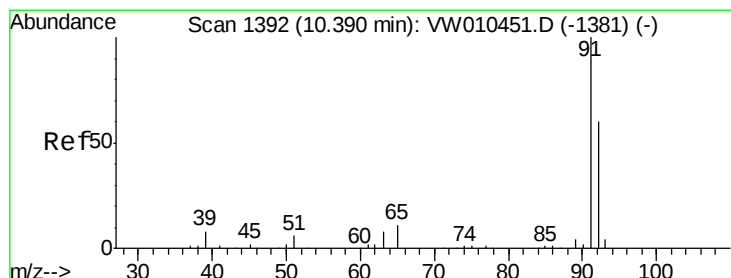
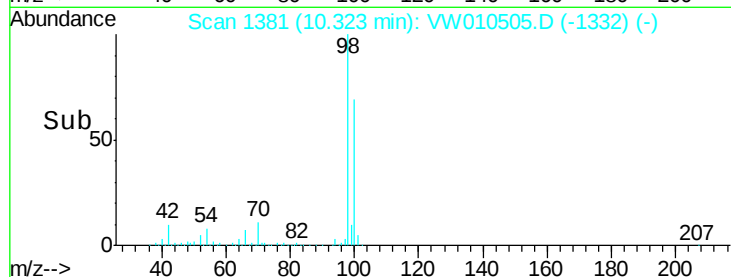
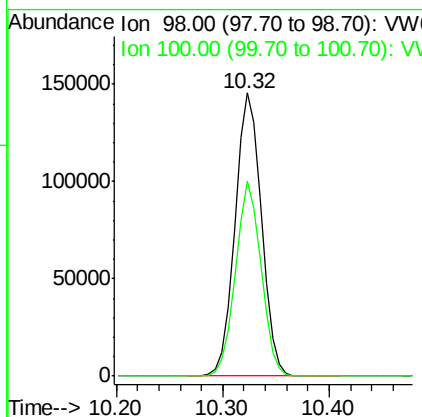
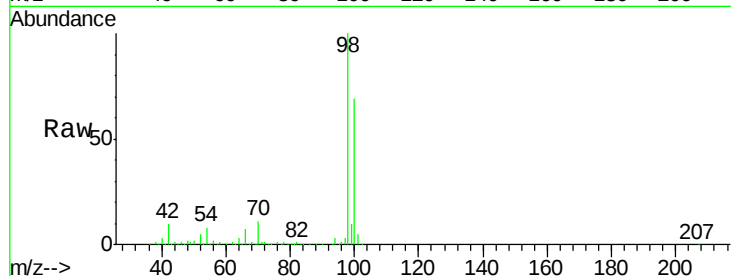




#50
Toluene-d8
Concen: 53.426 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010505.D
Acq: 22 May 2019 12:52

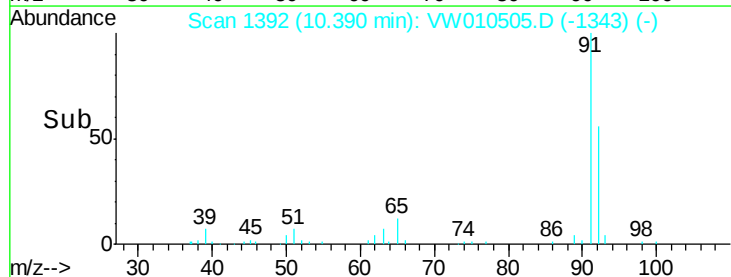
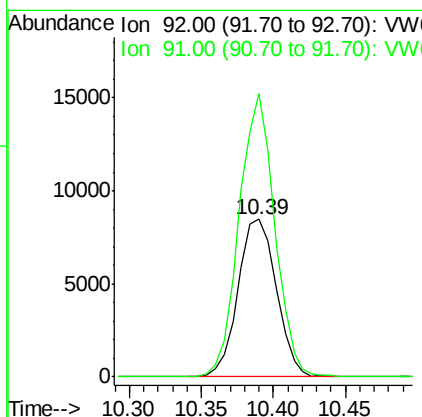
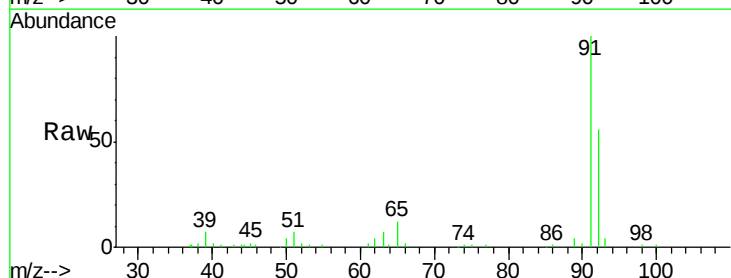
Instrument :
MSVOA_W
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FESB-21(4.5-5)

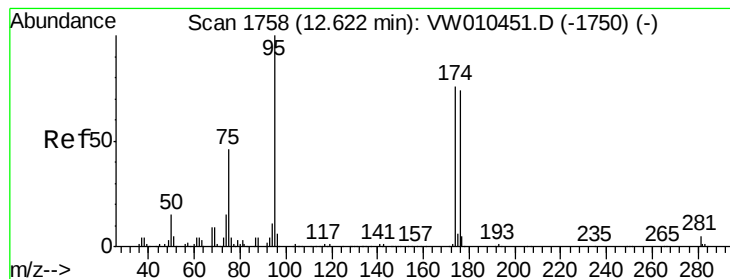
Tot Ion: 98 Resp: 253506
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



#52
Toluene
Concen: 4.404 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010505.D
Acq: 22 May 2019 12:52

Tgt Ion: 92 Resp: 15677
Ion Ratio Lower Upper
92 100
91 166.1 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 49.120 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

FESB-21(4.5-5)

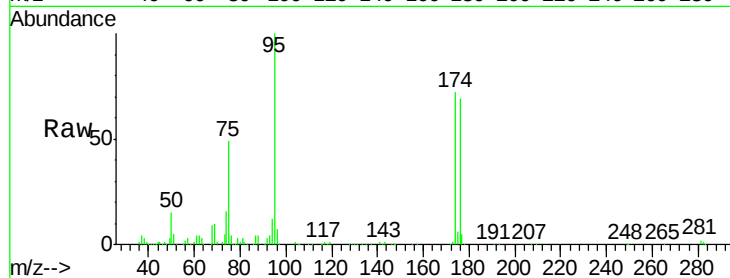
Tot Ion: 95 Resp: 92837

Ion Ratio Lower Upper

95 100

174 69.1 0.0 148.6

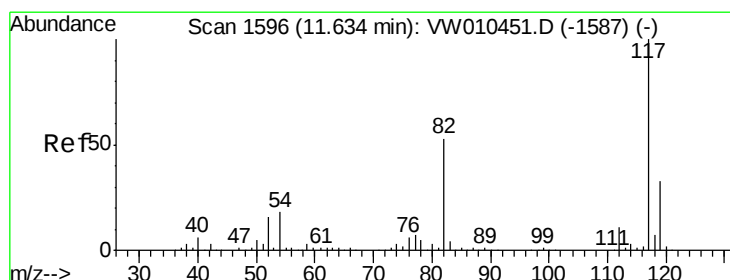
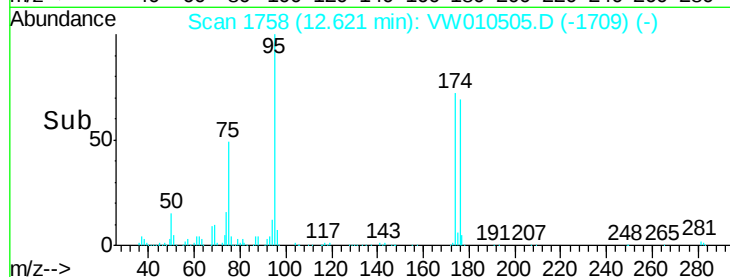
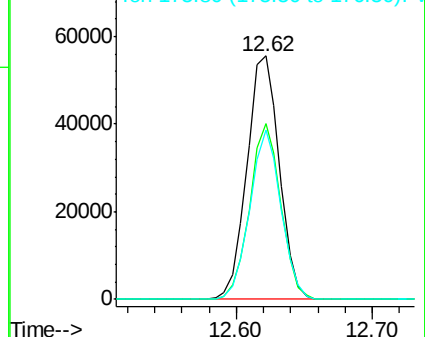
176 66.8 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

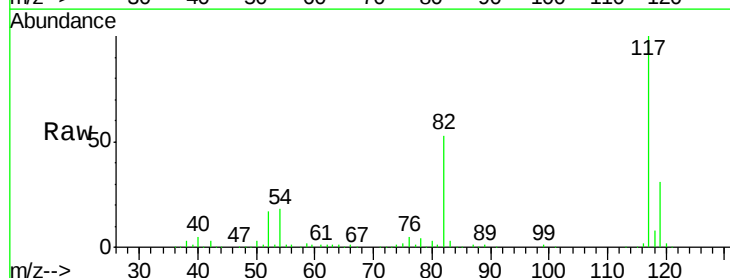
Tgt Ion: 117 Resp: 182958

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

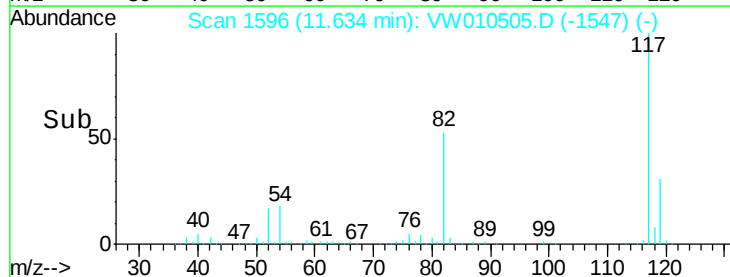
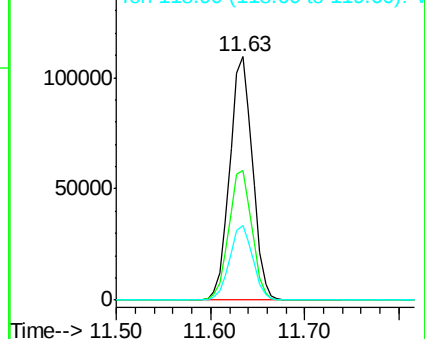
119 30.5 26.3 39.5

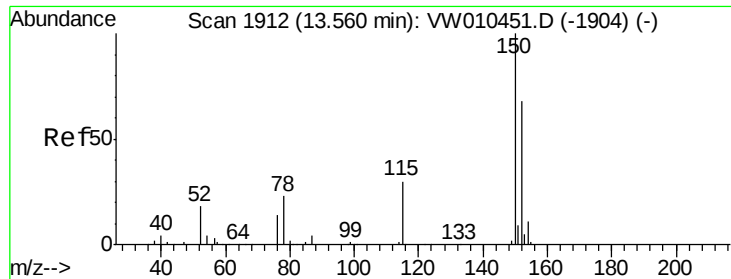


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

FESB-21(4.5-5)

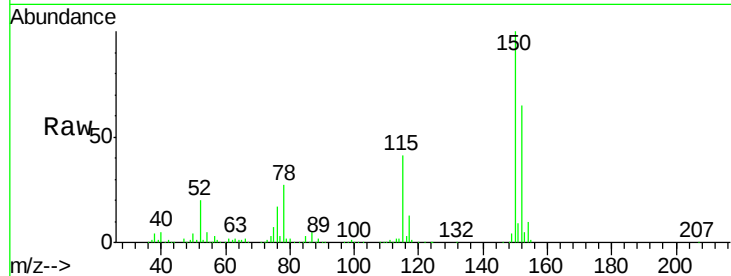
Tot Ion:152 Resp: 79807

Ion Ratio Lower Upper

152 100

115 63.6 30.3 91.0

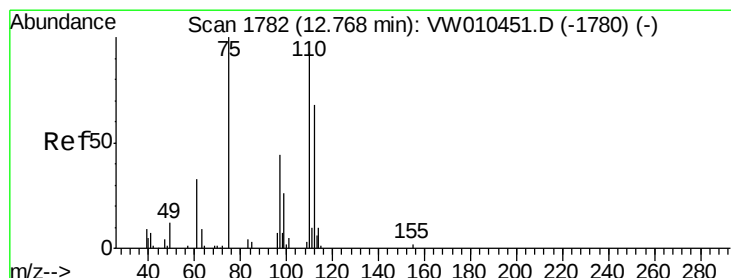
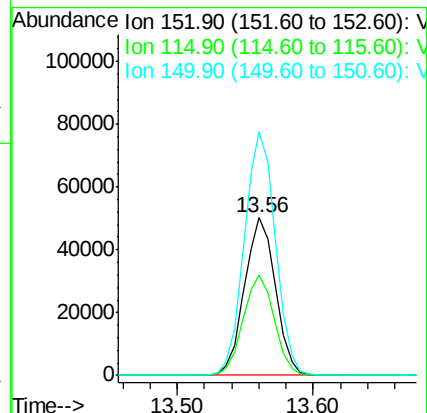
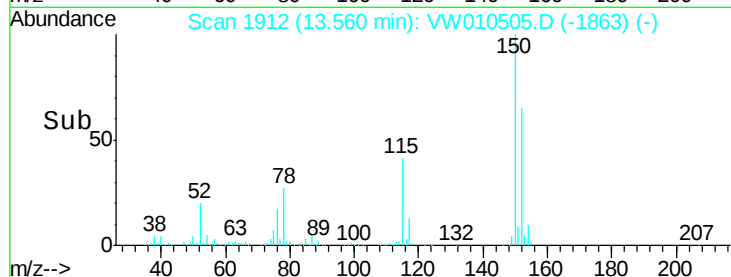
150 155.0 0.0 349.8



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: 55.005 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010505.D

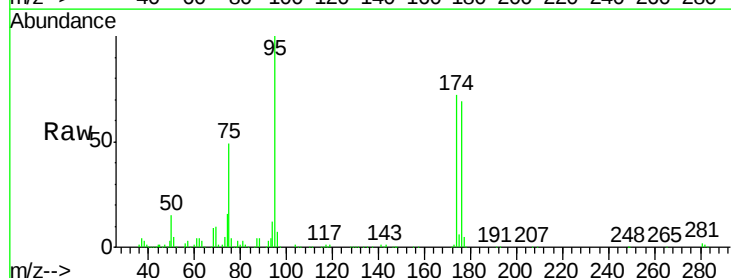
Acq: 22 May 2019 12:52

Tgt Ion: 75 Resp: 44559

Ion Ratio Lower Upper

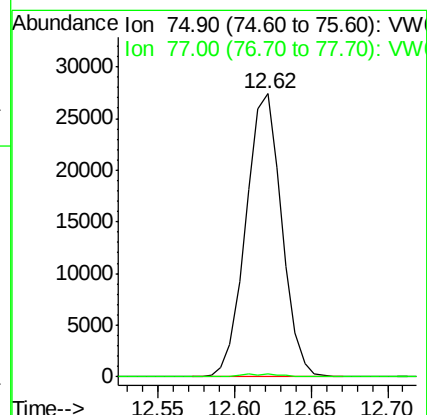
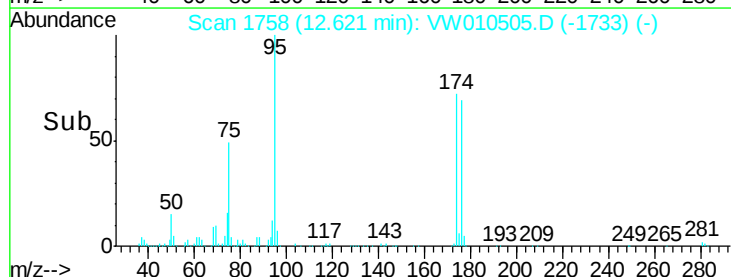
75 100

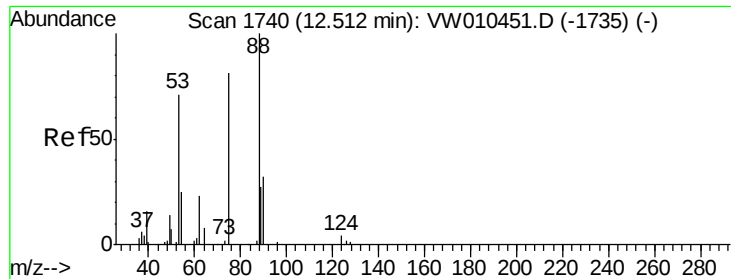
77 1.1 170.0 510.1#



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: 114.797 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010505.D

Acq: 22 May 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

FESB-21(4.5-5)

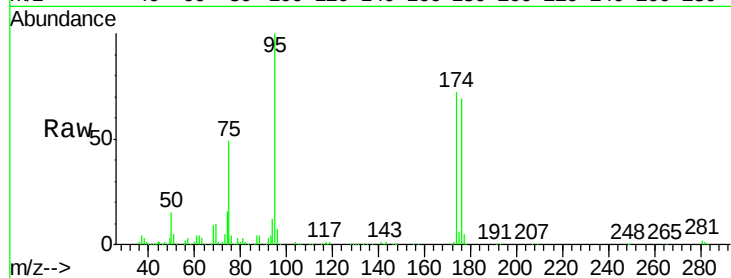
Tot Ion: 75 Resp: 44559

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

