

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010460.D
 Acq On : 20 May 2019 21:26
 Operator : SY/VA
 Sample : K2944-01
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-1(14.5-15)

Quant Time: May 21 06:49:45 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	123190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84633	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	73306	57.65	ug/l	0.00
Spiked Amount			Recovery	=	115.30%	
35) Dibromofluoromethane	7.88	113	72123	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.32	98	286723	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.62	95	102846	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	

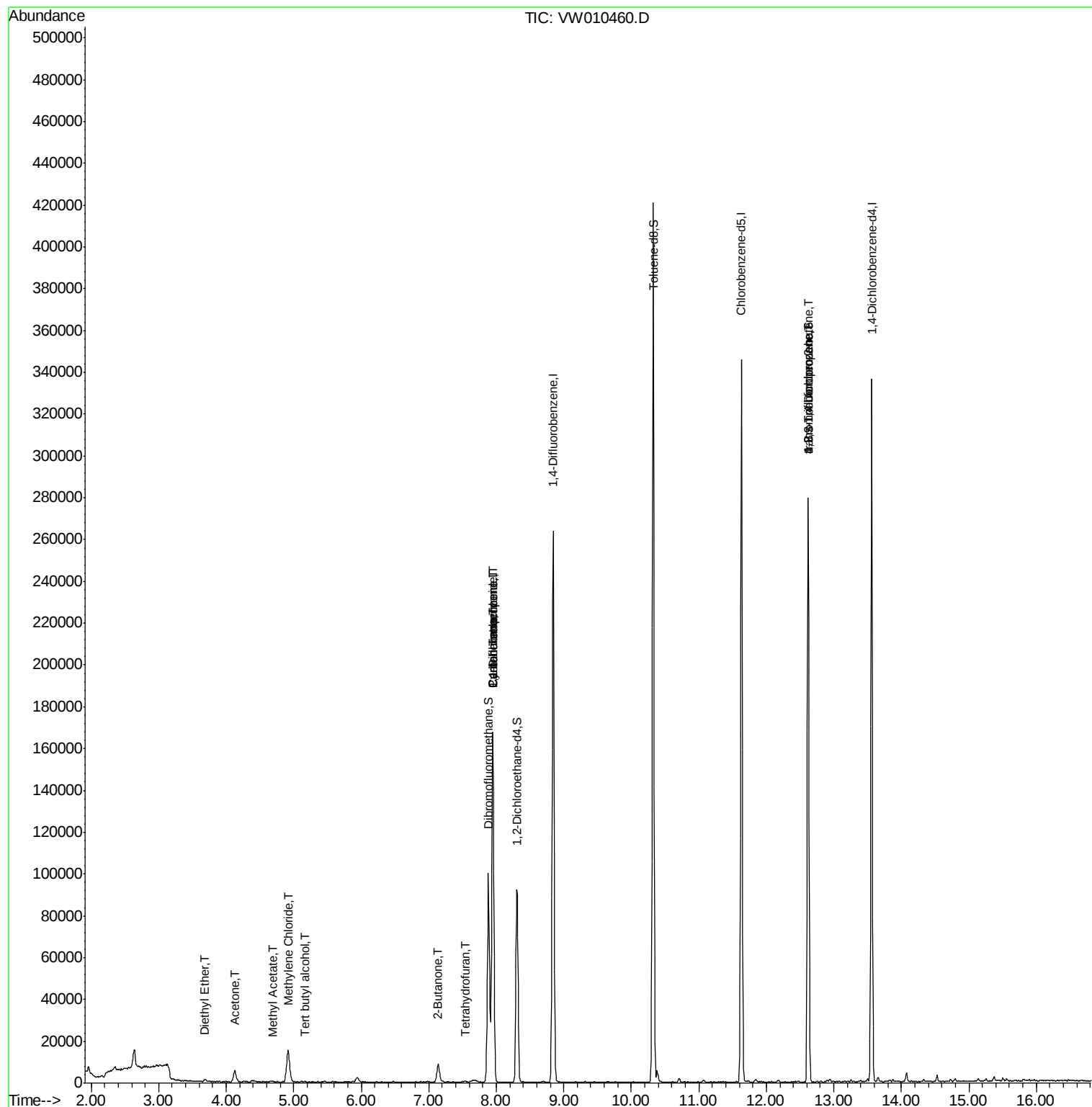
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	740	1.055	ug/l	95
11) Tert butyl alcohol	5.17	59	196	1.714	ug/l #	51
13) Acrolein	3.88	56	19	Below Cal	#	1
16) Acetone	4.12	43	10331	39.804	ug/l	91
18) Methyl Acetate	4.68	43	923	1.454	ug/l #	57
20) Methylene Chloride	4.92	84	12550	3.527	ug/l	96
25) 2-Butanone	7.15	43	784	2.111	ug/l #	45
29) Tetrahydrofuran	7.54	42	372	1.480	ug/l #	65
31) Cyclohexane	7.95	56	2652	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9981	4.591	ug/l #	47
38) Carbon Tetrachloride	7.95	117	12901	5.501	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	48075	55.961	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48075	116.792	ug/l #	14

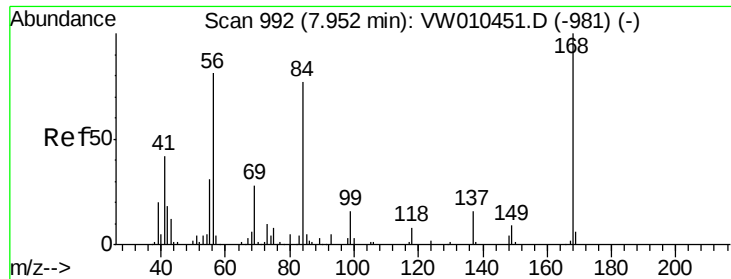
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
Data File : VW010460.D
Acq On : 20 May 2019 21:26
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FESB-1(14.5-15)

Quant Time: May 21 06:49:45 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: VW010460.D

Acq: 20 May 2019 21:26

Instrument :

MSVOA_W

ClientSampleId :

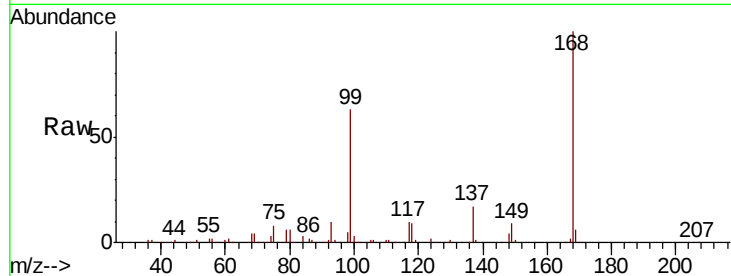
FESB-1(14.5-15)

Tot Ion:168 Resp: 123190

Ion Ratio Lower Upper

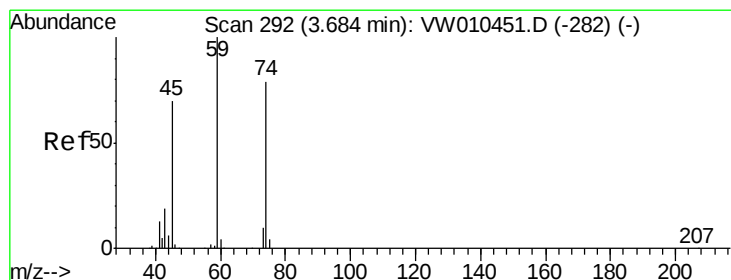
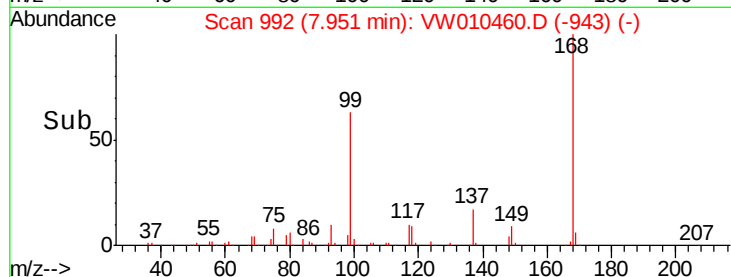
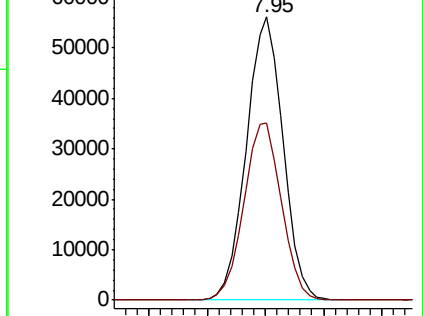
168 100

99 62.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.055 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW010460.D

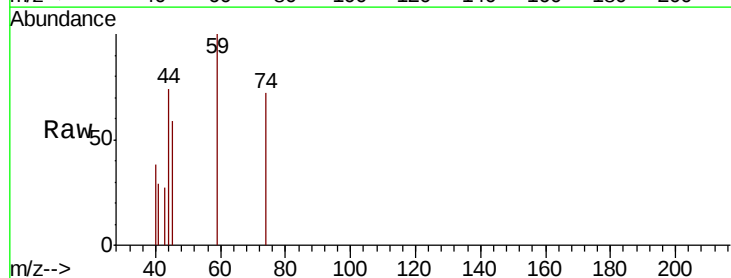
Acq: 20 May 2019 21:26

Tgt Ion: 74 Resp: 740

Ion Ratio Lower Upper

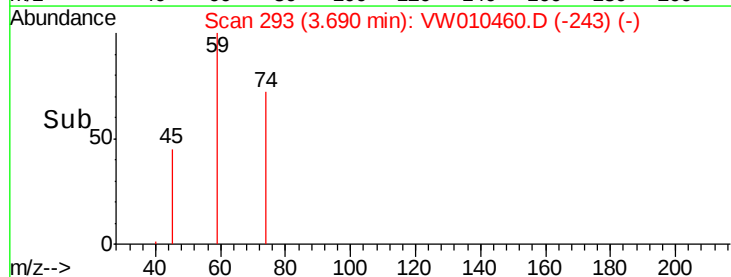
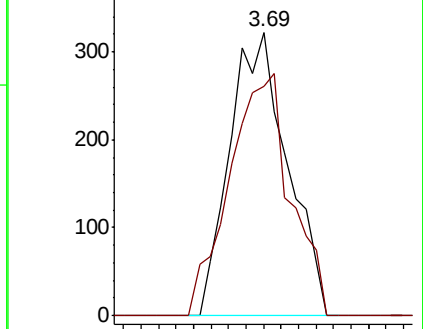
74 100

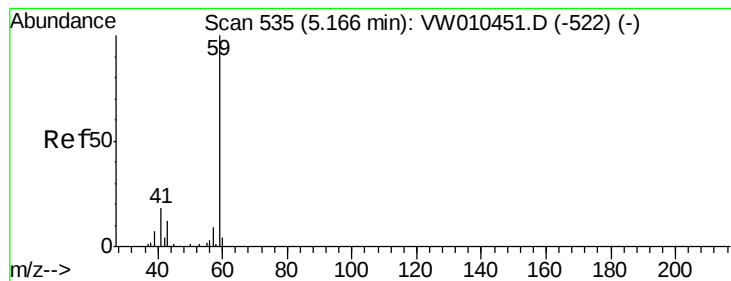
45 90.5 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



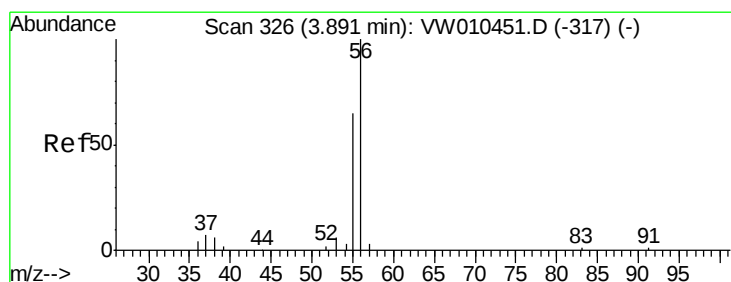
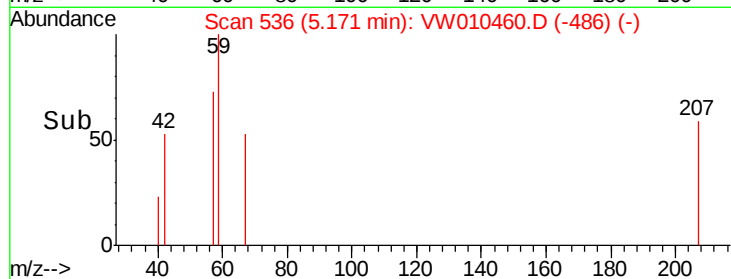
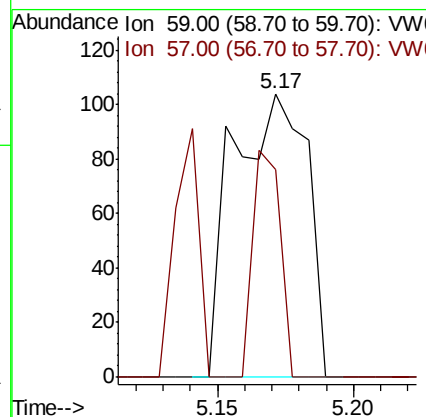
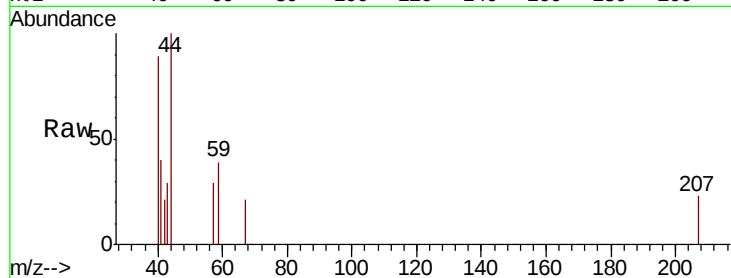


#11

Tert butyl alcohol
 Concen: 1.714 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010460.D
 Acq: 20 May 2019 21:26

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-1(14.5-15)

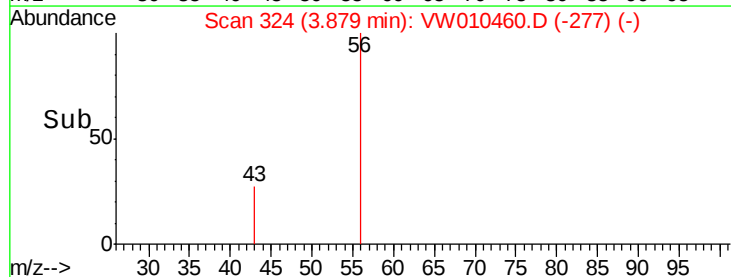
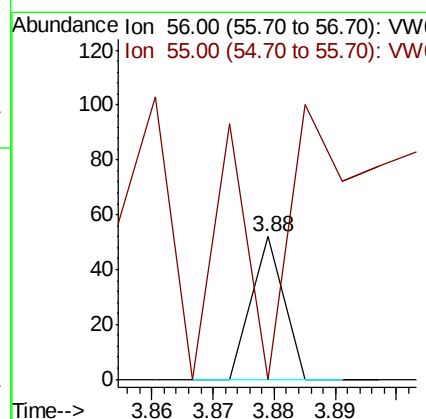
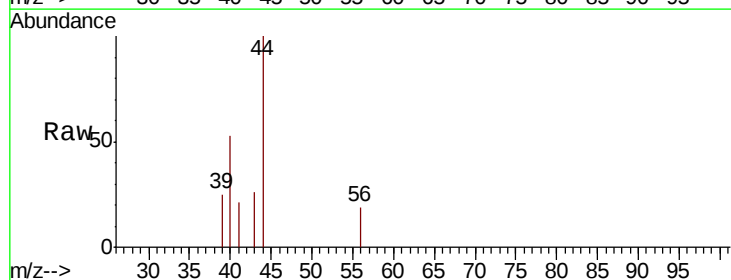
Tot Ion: 59 Resp: 196
 Ion Ratio Lower Upper
 59 100
 57 29.6 8.8 13.2#

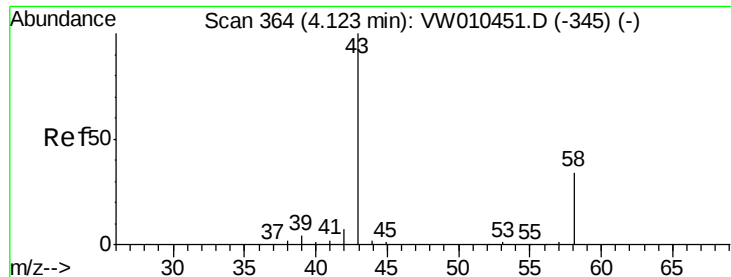


#13

Acrolein
 Concen: Below Cal
 RT: 3.88 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VW010460.D
 Acq: 20 May 2019 21:26

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 642.1 57.9 86.9#

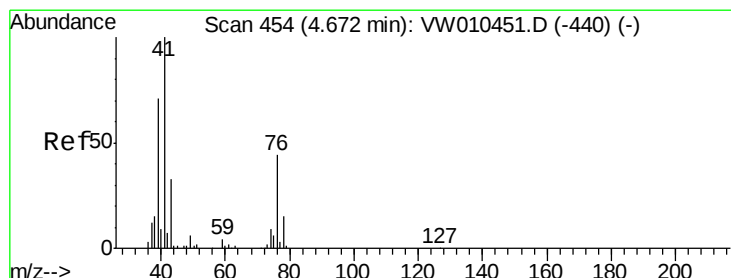
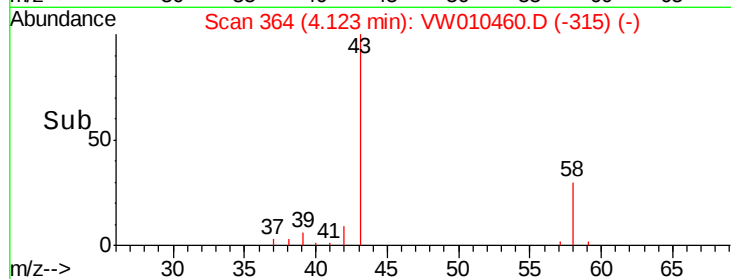
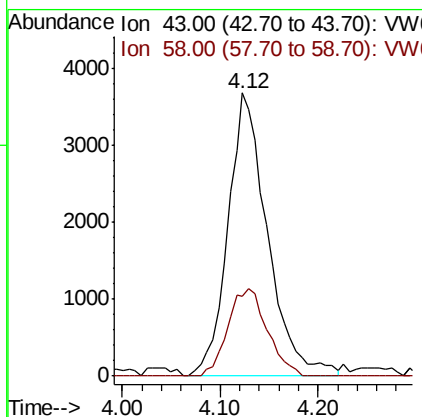
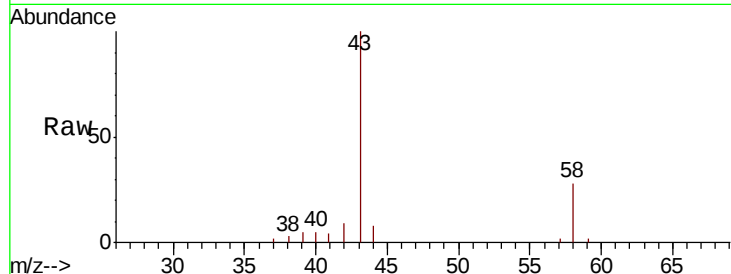




#16
Acetone
Concen: 39.804 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

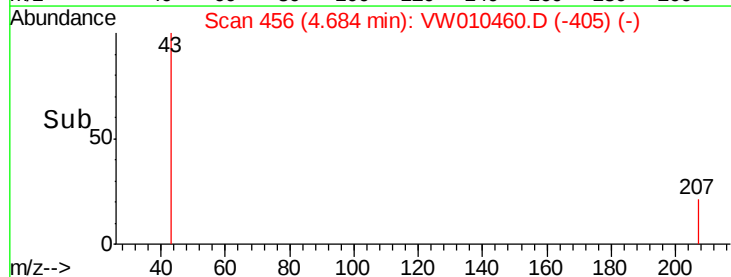
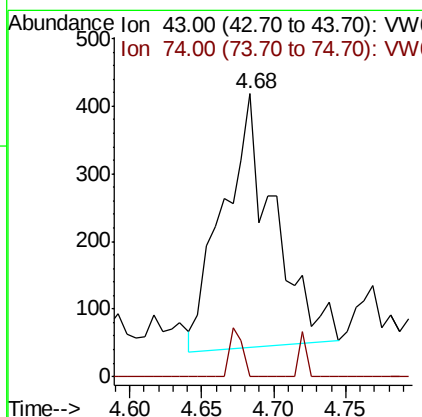
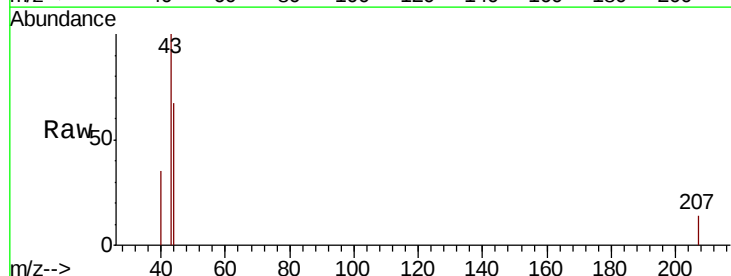
Instrument :
MSVOA_W
ClientSampleId :
FESB-1(14.5-15)

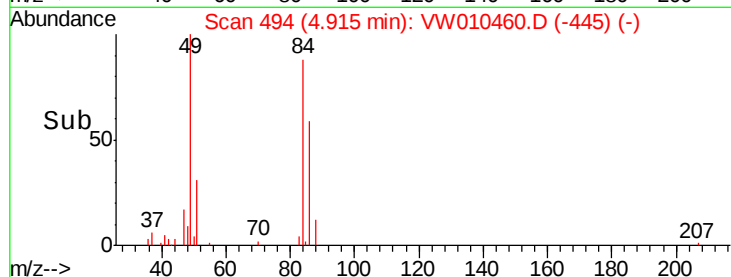
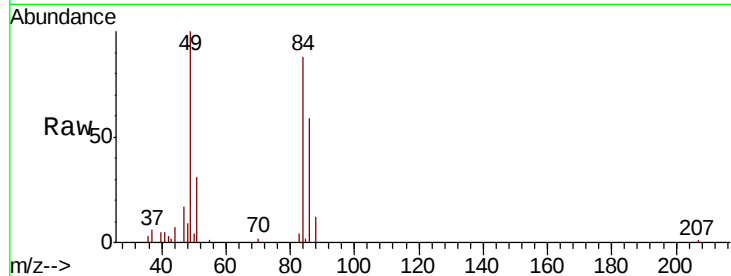
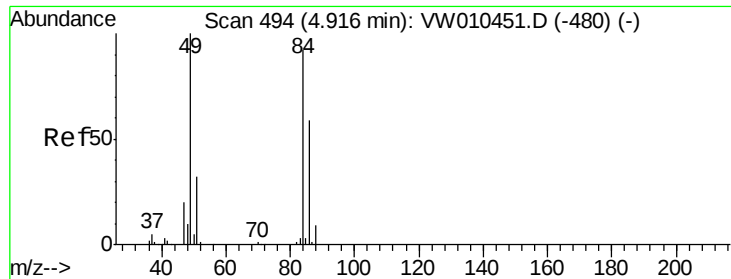
Tot Ion: 43 Resp: 10331
Ion Ratio Lower Upper
43 100
58 28.4 27.0 40.4



#18
Methyl Acetate
Concen: 1.454 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
74 5.0 21.6 32.4#

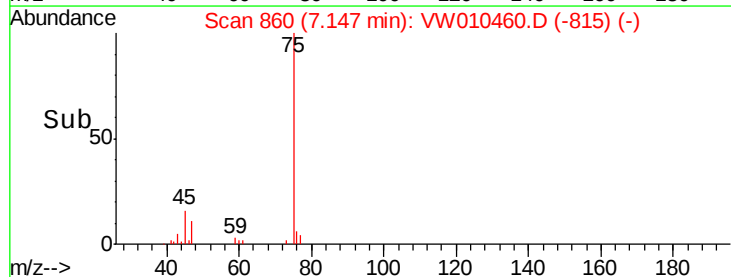
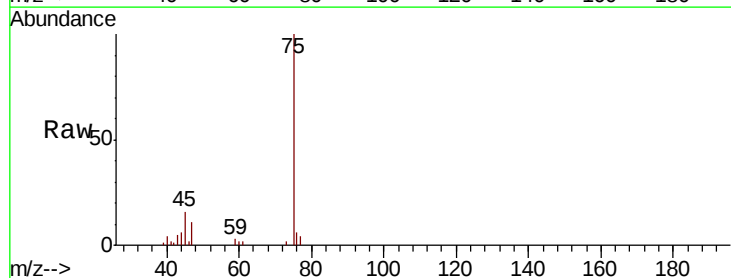
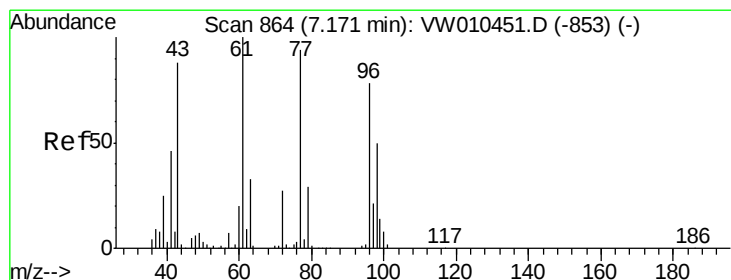
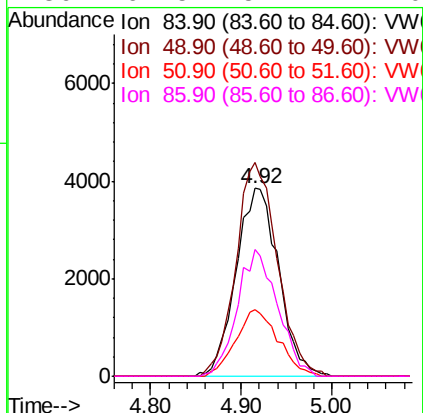




#20
Methvlene Chloride
Concen: 3.527 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

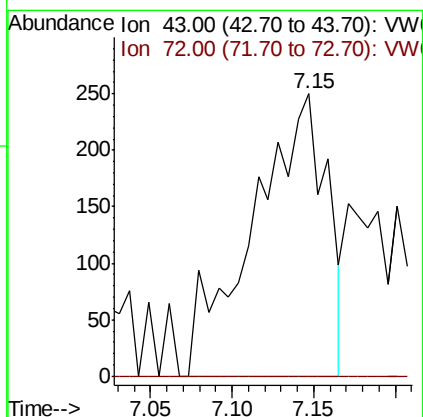
Instrument :
MSVOA_W
ClientSampleId :
FESB-1(14.5-15)

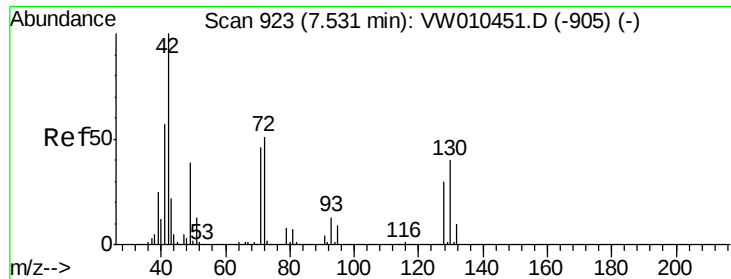
Tot Ion: 84 Resp: 12550
Ion Ratio Lower Upper
84 100
49 113.6 87.2 130.8
51 35.1 27.7 41.5
86 67.5 51.4 77.0



#25
2-Butanone
Concen: 2.111 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#

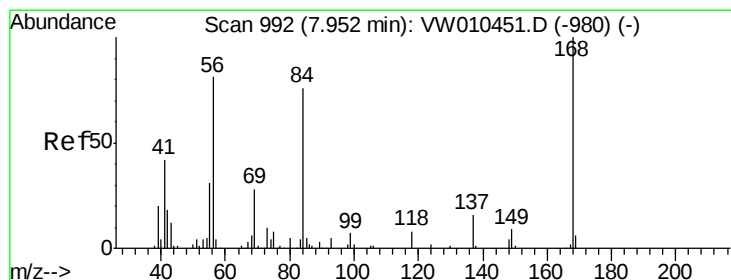
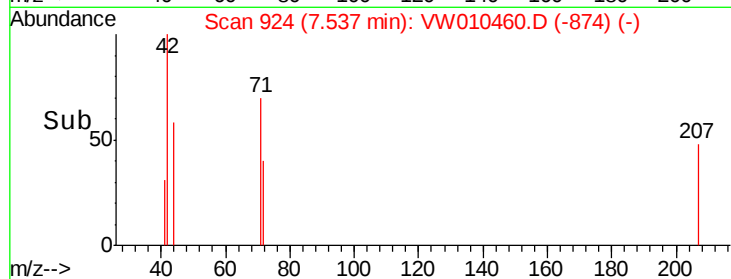
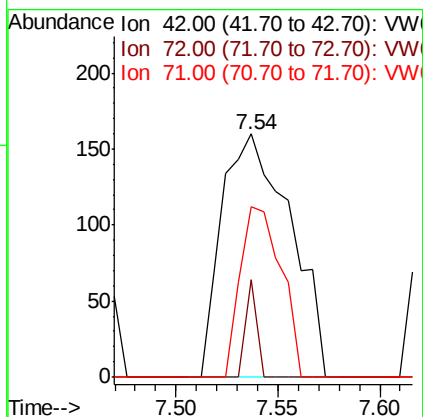
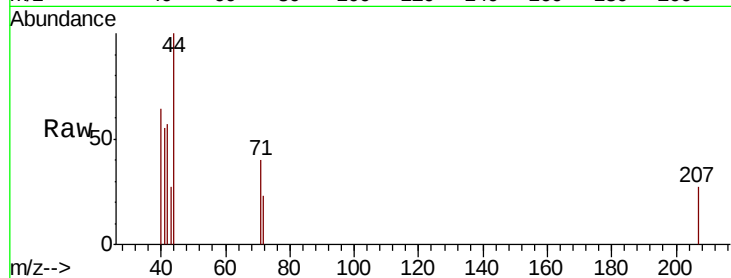




#29
Tetrahydrofuran
Concen: 1.480 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

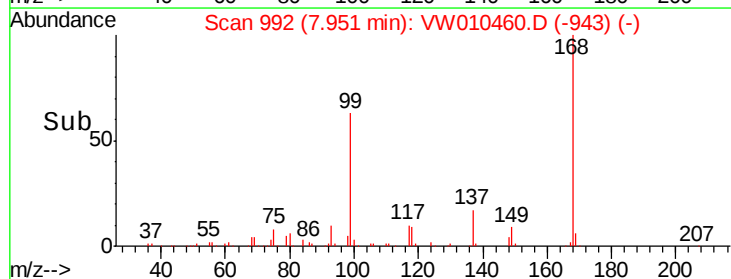
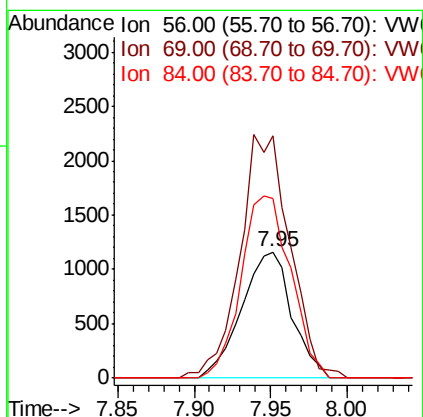
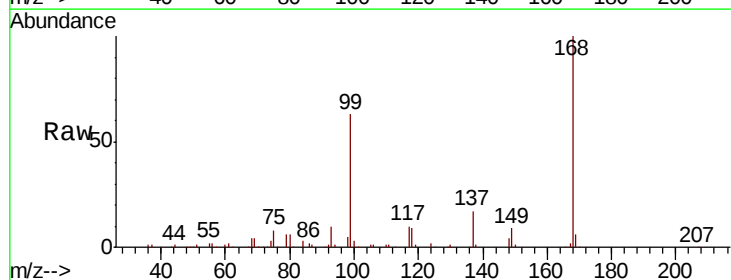
Instrument :
MSVOA_W
ClientSampleId :
FESB-1(14.5-15)

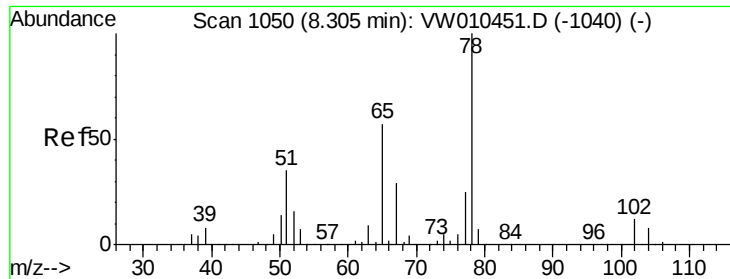
Tot Ion: 42 Resp: 372
Ion Ratio Lower Upper
42 100
72 6.2 38.5 57.7#
71 41.7 36.5 54.7



#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Tgt Ion: 56 Resp: 2652
Ion Ratio Lower Upper
56 100
69 187.4 28.2 42.2#
84 142.6 75.8 113.8#

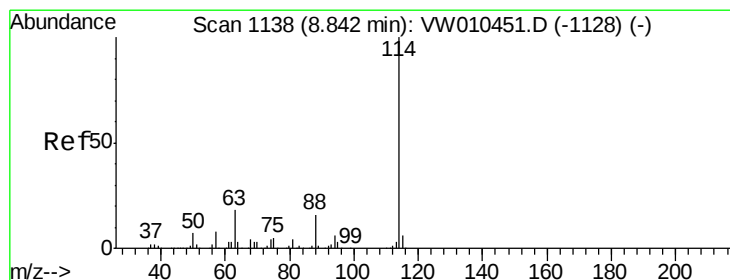
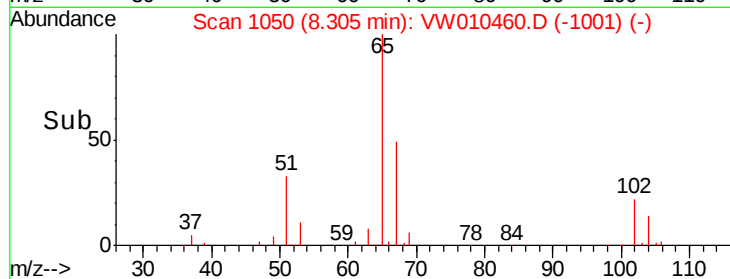
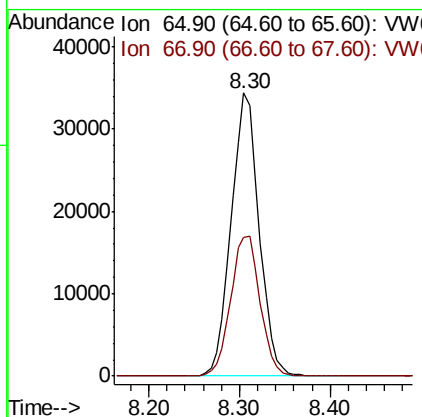
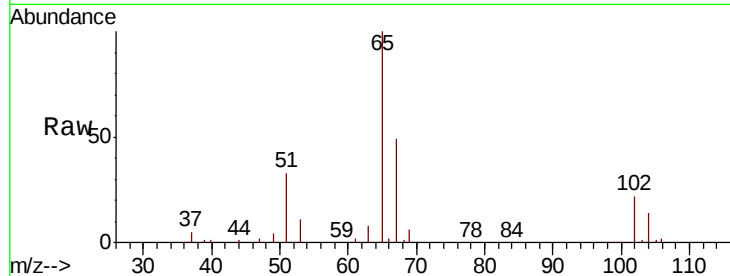




#33
 1,2-Dichloroethane-d4
 Concen: 57.652 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010460.D
 Acq: 20 May 2019 21:26

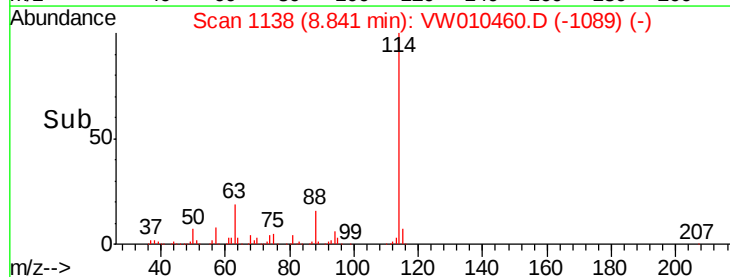
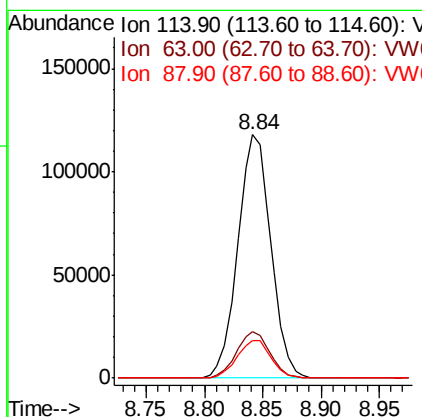
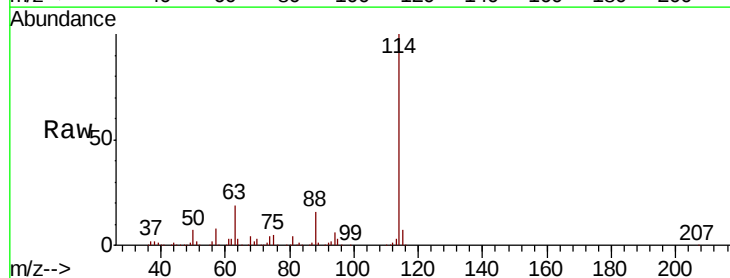
Instrument :
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 FESB-1(14.5-15)

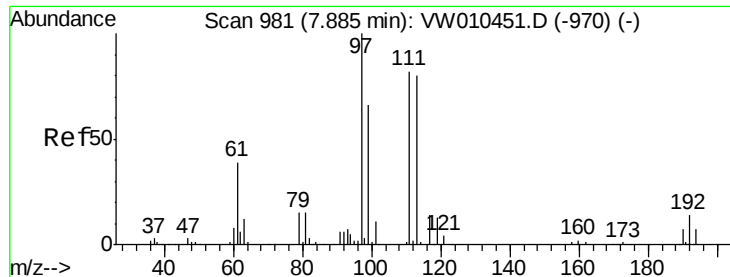
Tot Ion: 65 Resp: 73306
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010460.D
 Acq: 20 May 2019 21:26

Tgt Ion: 114 Resp: 233359
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.935 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010460.D

Acq: 20 May 2019 21:26

Instrument :

MSVOA_W

ClientSampleId :

FESB-1(14.5-15)

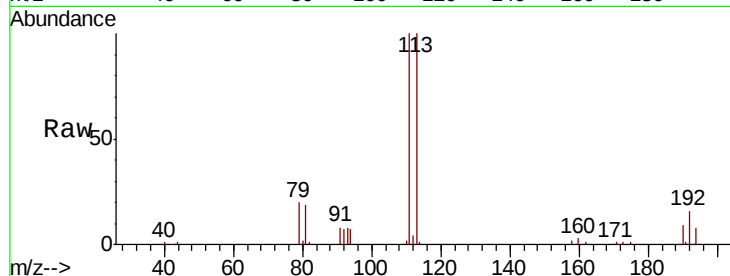
Tot Ion:113 Resp: 72123

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

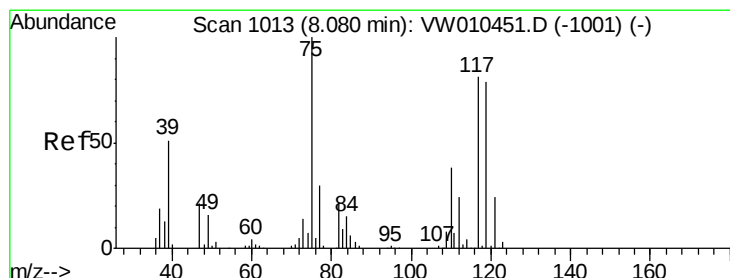
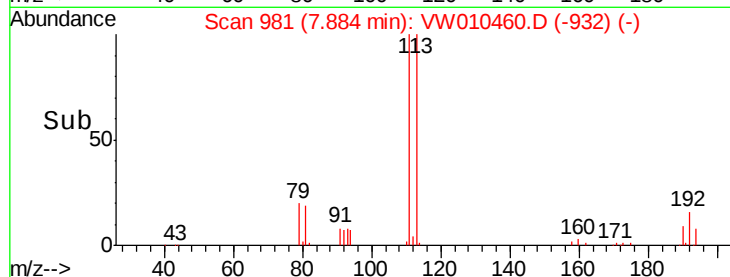
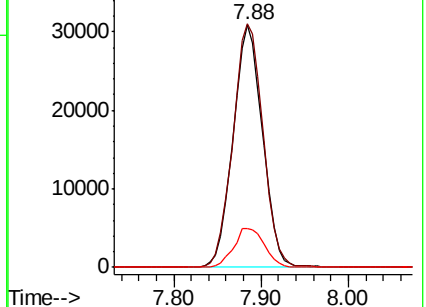
192 16.8 14.3 21.5



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: 4.591 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010460.D

Acq: 20 May 2019 21:26

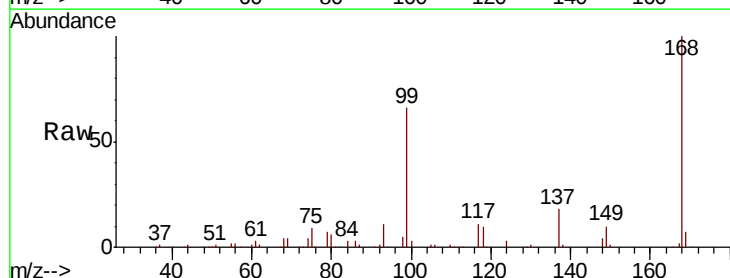
Tgt Ion: 75 Resp: 9981

Ion Ratio Lower Upper

75 100

110 8.7 19.2 57.6#

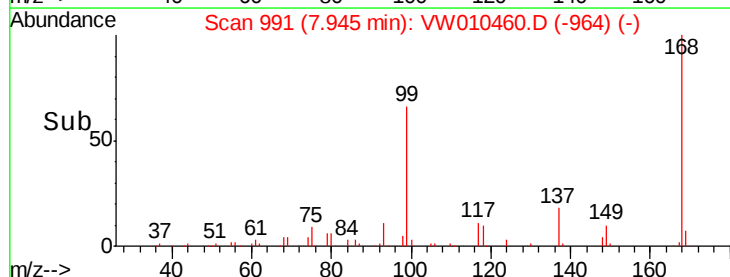
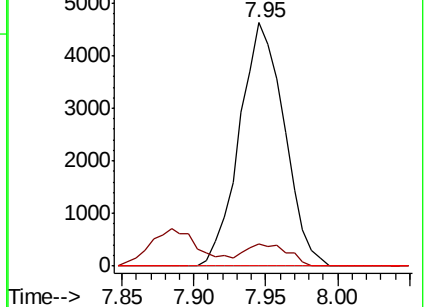
77 0.0 25.2 37.8#

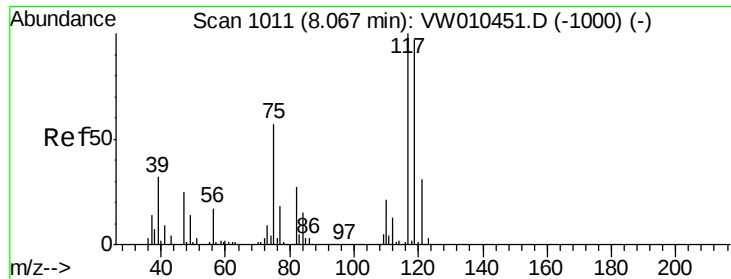


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

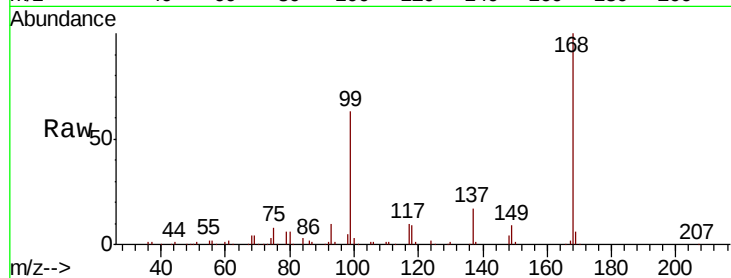




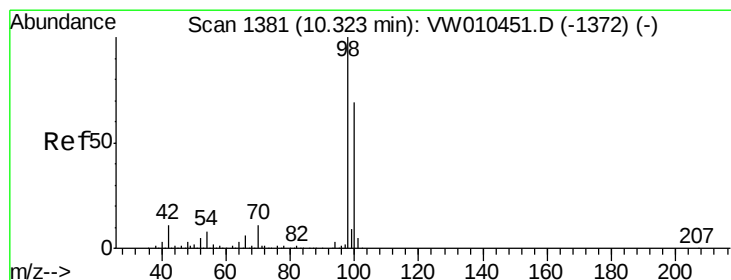
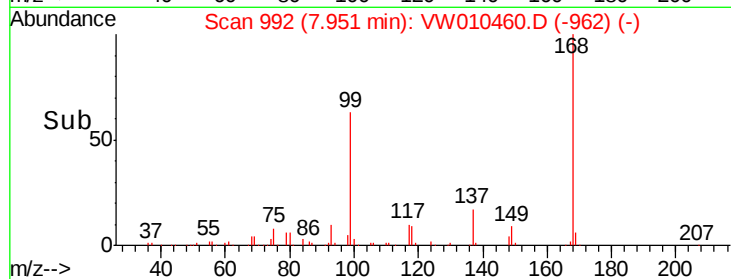
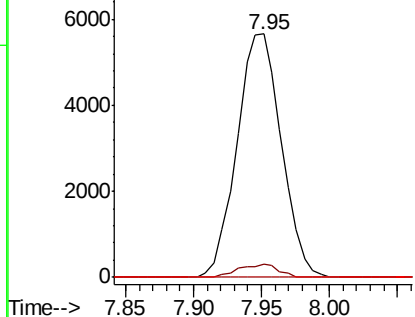
#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Instrument :
MSVOA_W
ClientSampleId :
FESB-1(14.5-15)

Tot Ion:117 Resp: 12901
Ion Ratio Lower Upper
117 100
119 5.3 77.4 116.0#
121 0.0 25.0 37.6#

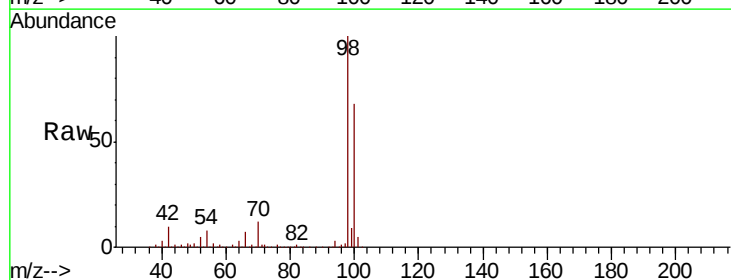


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

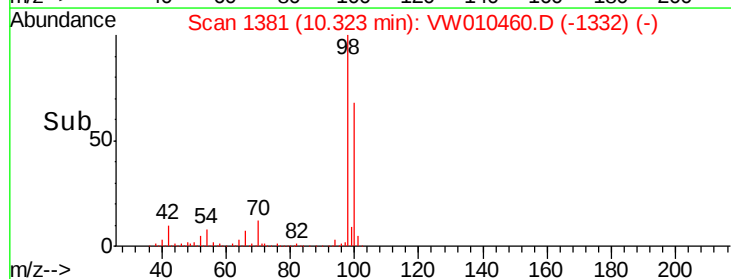
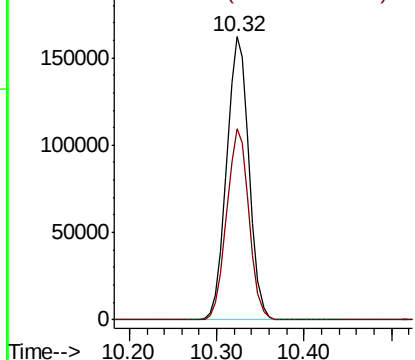


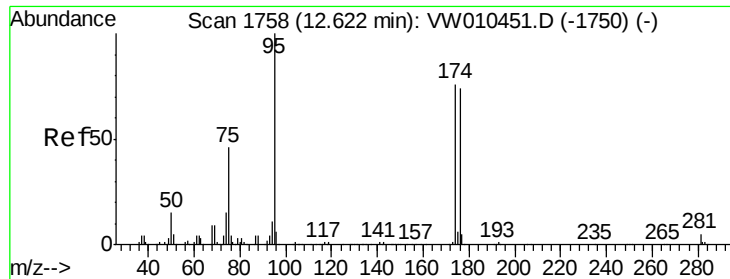
#50
Toluene-d8
Concen: 53.005 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Tgt Ion: 98 Resp: 286723
Ion Ratio Lower Upper
98 100
100 67.2 53.7 80.5



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

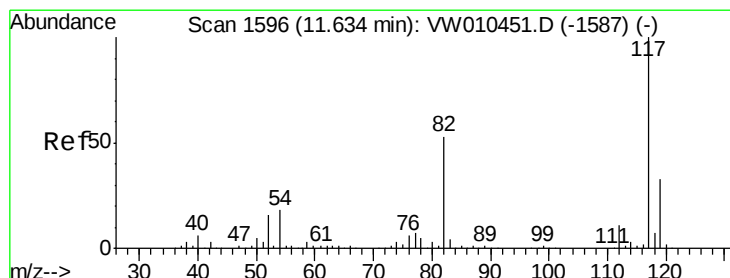
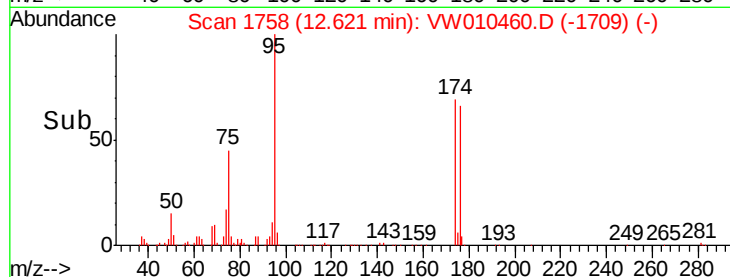
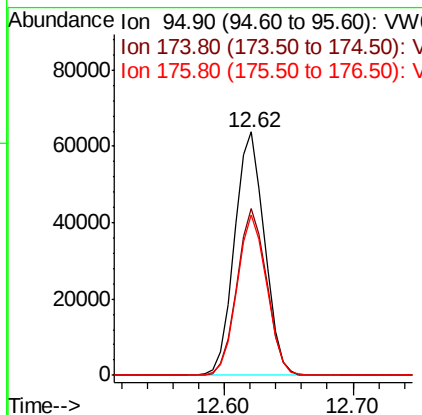
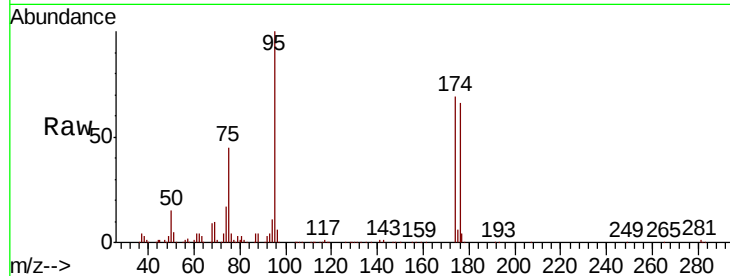




#62
4-Bromofluorobenzene
Concen: 47.733 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

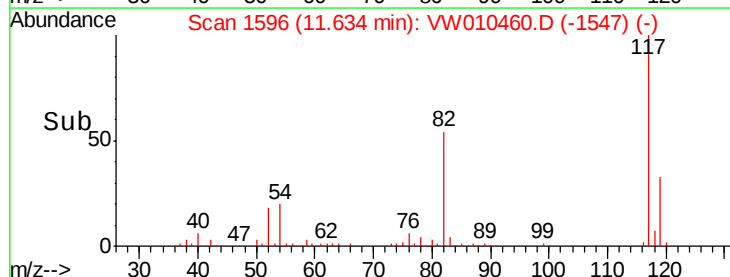
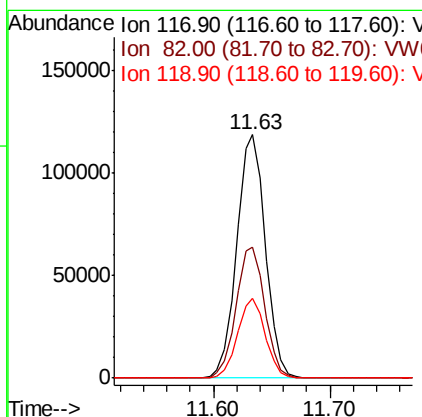
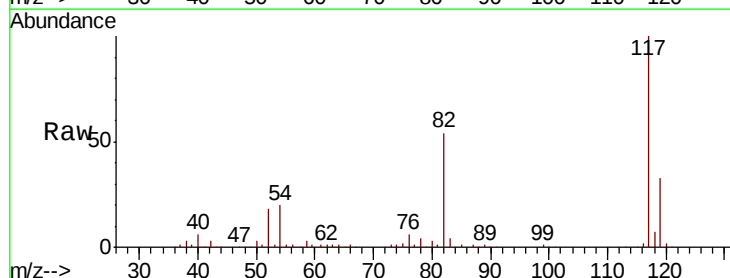
Instrument :
MSVOA_W
ClientSampleId :
FESB-1(14.5-15)

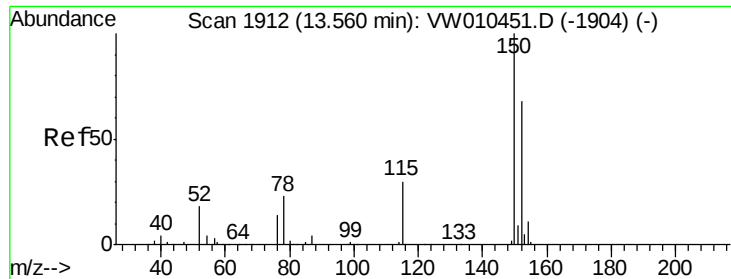
Tot Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	148.6
176	65.2	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010460.D
Acq: 20 May 2019 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.8	64.2
119	32.7	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: VW010460.D

Acq: 20 May 2019 21:26

Instrument :

MSVOA_W

ClientSampleId :

FESB-1(14.5-15)

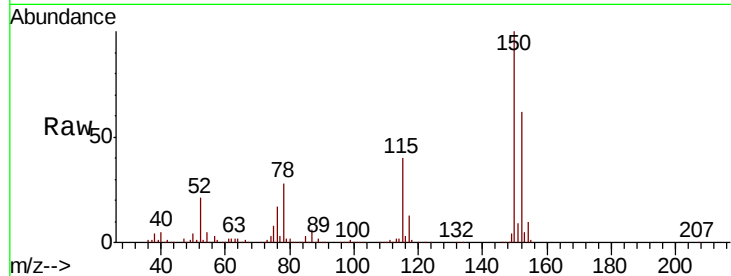
Tot Ion:152 Resp: 84633

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

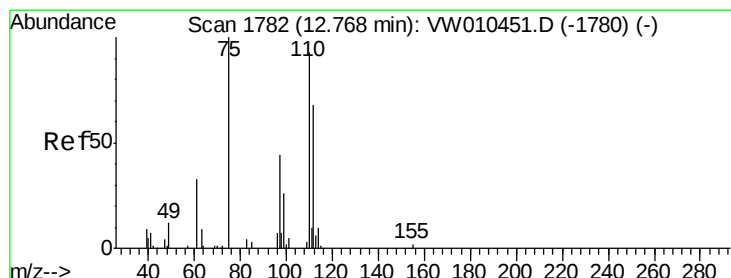
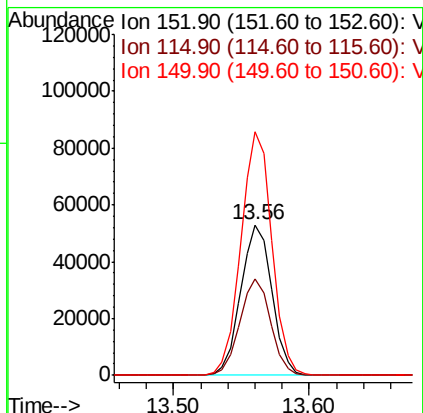
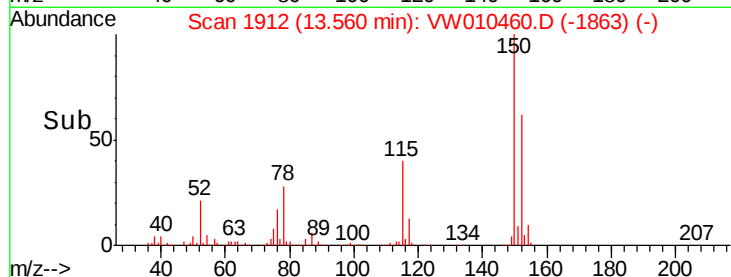
150 160.2 0.0 349.8



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: 55.961 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010460.D

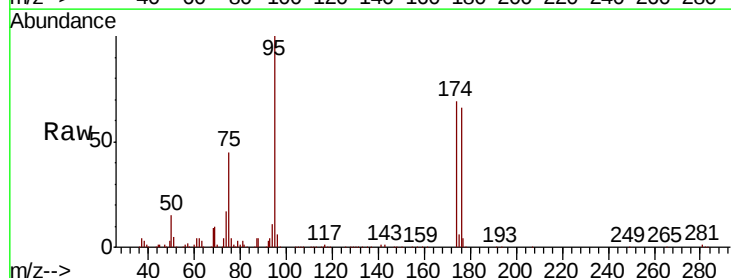
Acq: 20 May 2019 21:26

Tgt Ion: 75 Resp: 48075

Ion Ratio Lower Upper

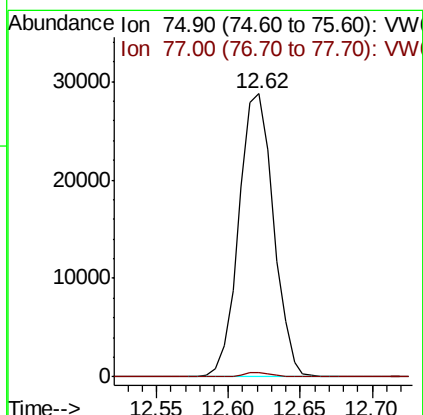
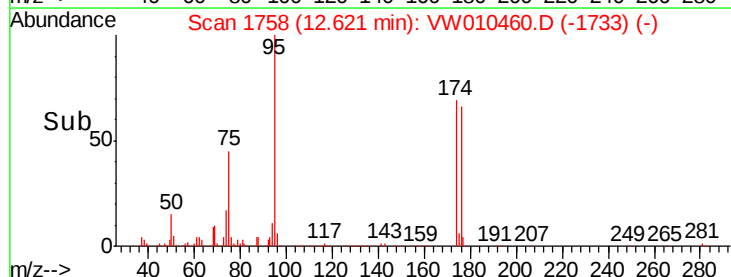
75 100

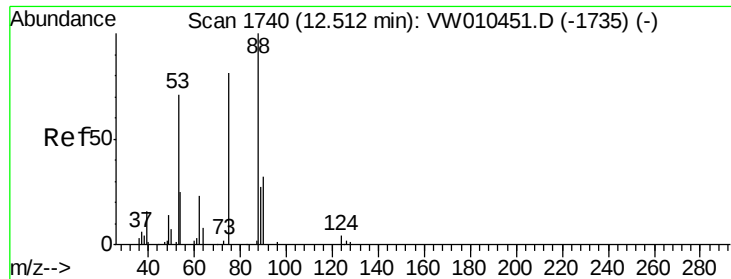
77 1.2 170.0 510.1#



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: 116.792 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010460.D

Acq: 20 May 2019 21:26

Instrument :

MSVOA_W

ClientSampleId :

FESB-1(14.5-15)

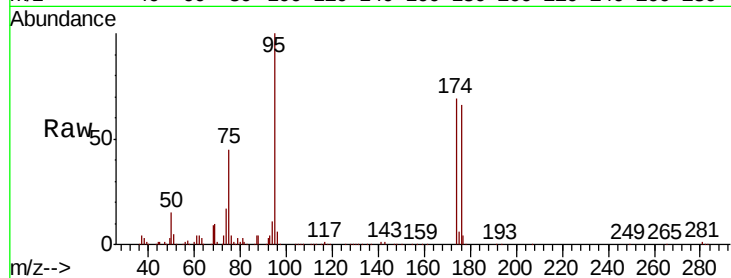
Tot Ion: 75 Resp: 48075

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 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

