

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010528.D
 Acq On : 23 May 2019 14:26
 Operator : SY/VA
 Sample : K3010-01
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-20(2.5-3)

Quant Time: May 24 08:41:42 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

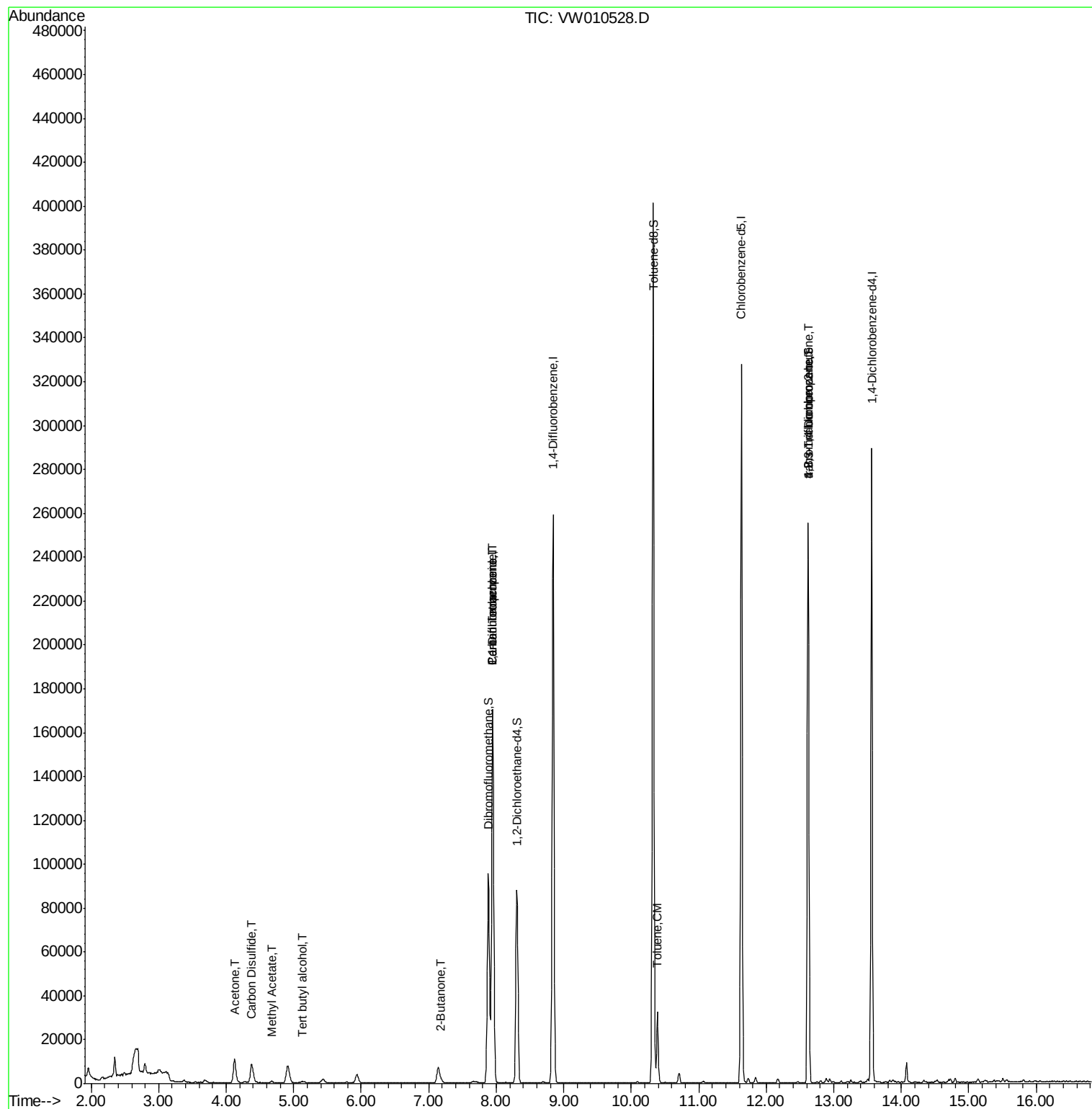
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	229361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73562	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	69819	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.88	113	69111	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.32	98	274372	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	93060	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.14	59	647	5.387	ug/l #	71
13) Acrolein	3.92	56	22	Below Cal	#	51
16) Acetone	4.12	43	19468	71.434	ug/l	99
17) Carbon Disulfide	4.37	76	15576	3.822	ug/l	98
18) Methyl Acetate	4.68	43	1820	2.731	ug/l #	83
20) Methylene Chloride	4.92	84	6773	Below Cal		96
25) 2-Butanone	7.18	43	2767	7.095	ug/l #	89
36) 1,1-Dichloropropene	7.95	75	9740	4.559	ug/l #	47
38) Carbon Tetrachloride	7.95	117	13642	5.919	ug/l #	15
52) Toluene	10.39	92	14749	3.698	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	43934	58.837	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	43934	122.795	ug/l #	14

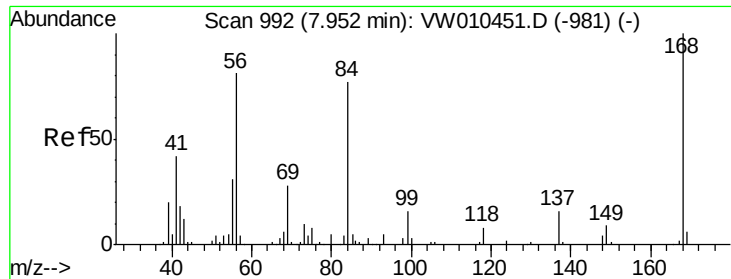
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010528.D

Acq: 23 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

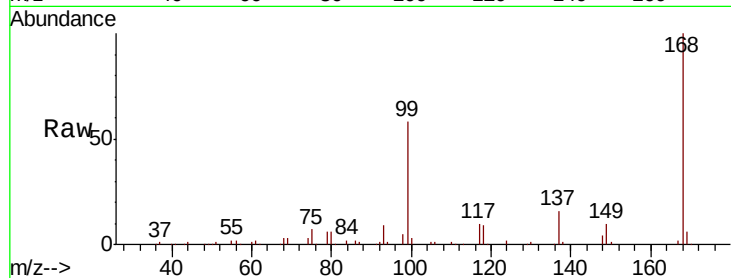
FESB-20(2.5-3)

Tot Ion:168 Resp: 129352

Ion Ratio Lower Upper

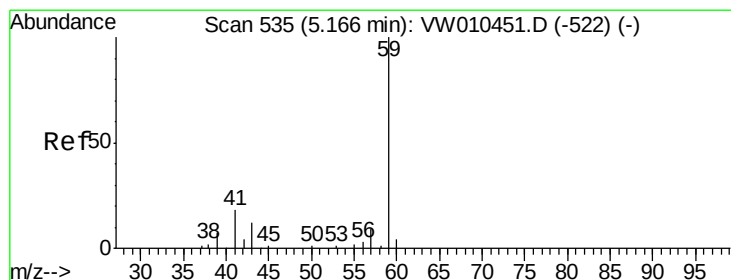
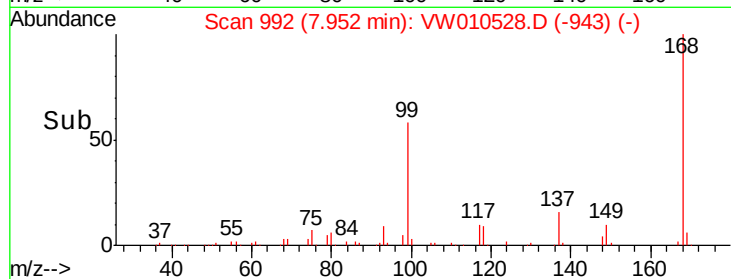
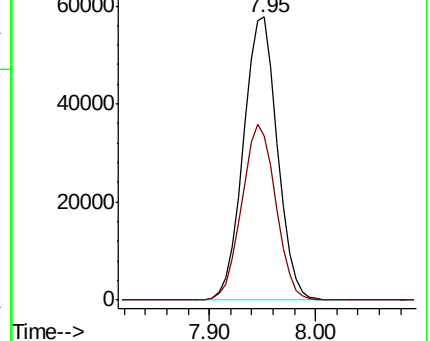
168 100

99 58.0 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.387 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW010528.D

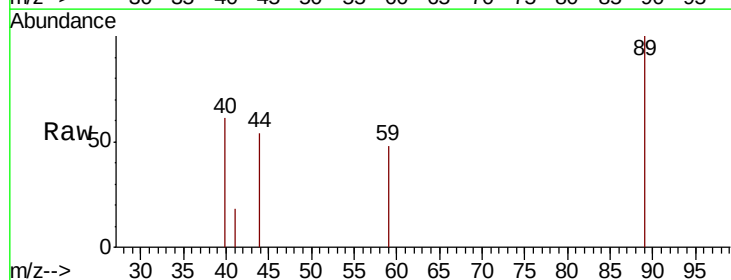
Acq: 23 May 2019 14:26

Tgt Ion: 59 Resp: 647

Ion Ratio Lower Upper

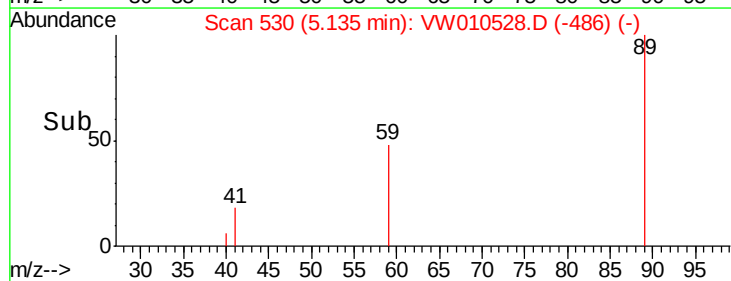
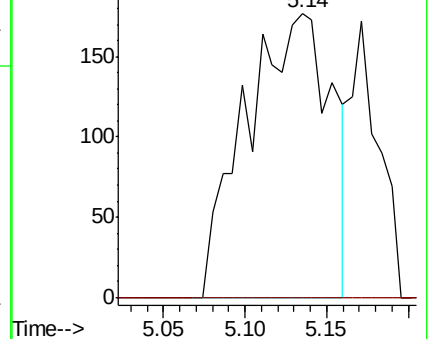
59 100

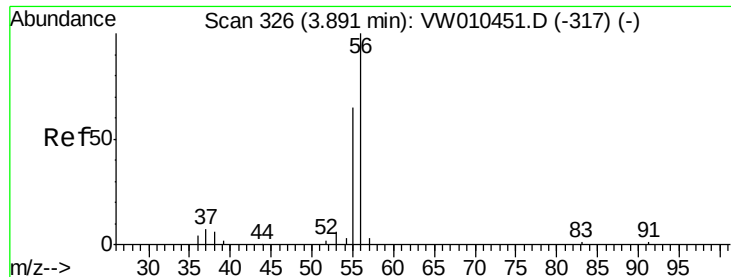
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 331

Delta R.T. 0.03 min

Lab File: VW010528.D

Acq: 23 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

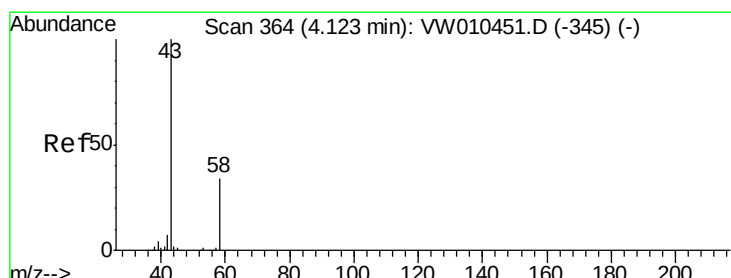
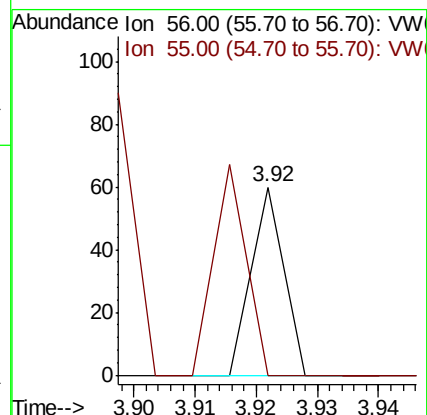
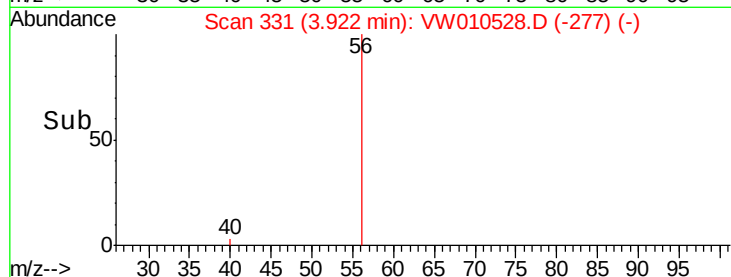
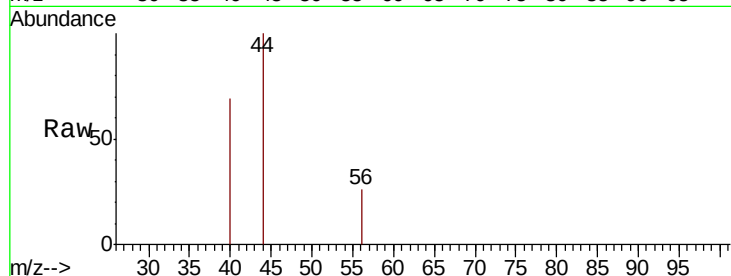
FESB-20(2.5-3)

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 113.6 57.9 86.9#



#16

Acetone

Concen: 71.434 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010528.D

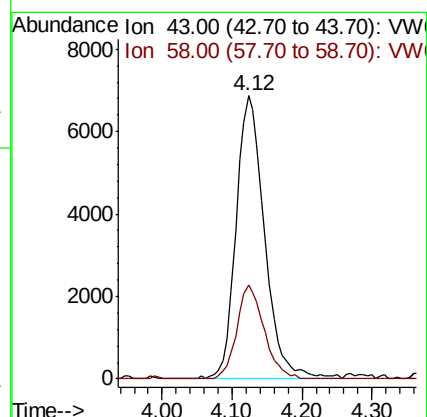
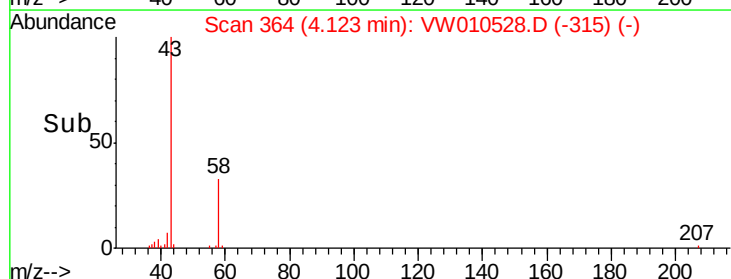
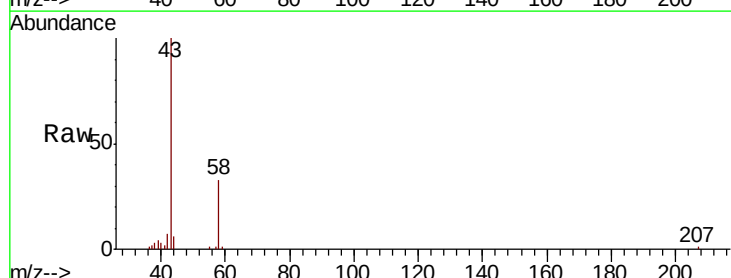
Acq: 23 May 2019 14:26

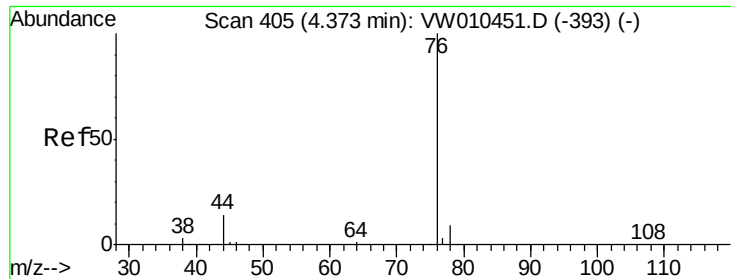
Tgt Ion: 43 Resp: 19468

Ion Ratio Lower Upper

43 100

58 33.3 27.0 40.4





#17

Carbon Disulfide

Concen: 3.822 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010528.D

Acq: 23 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

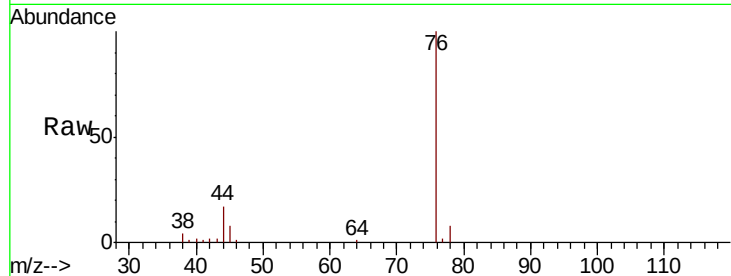
FESB-20(2.5-3)

Tot Ion: 76 Resp: 15576

Ion Ratio Lower Upper

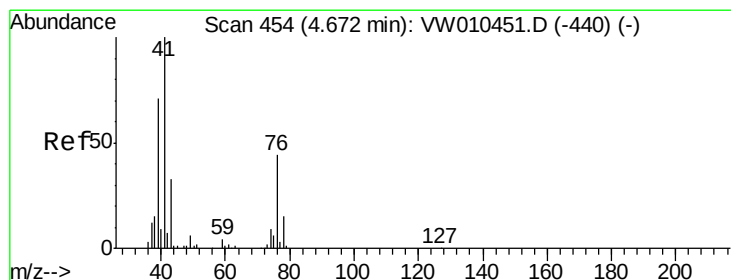
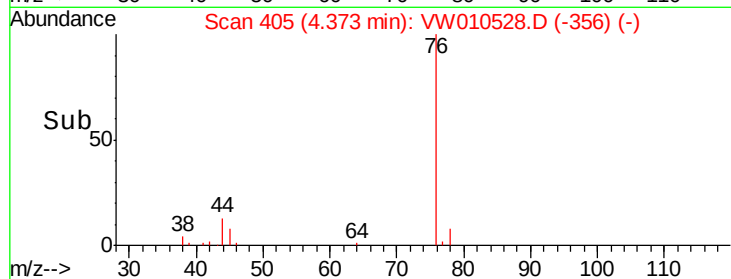
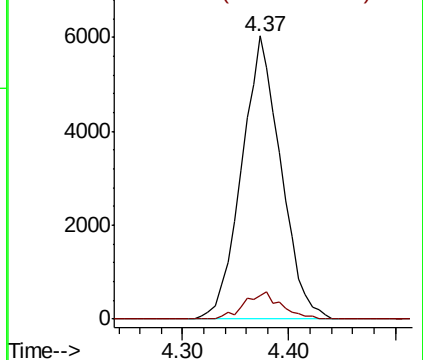
76 100

78 8.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 2.731 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010528.D

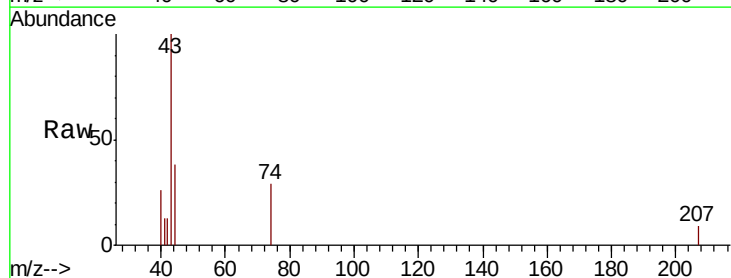
Acq: 23 May 2019 14:26

Tgt Ion: 43 Resp: 1820

Ion Ratio Lower Upper

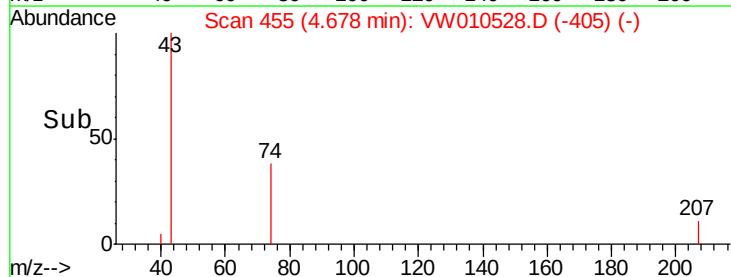
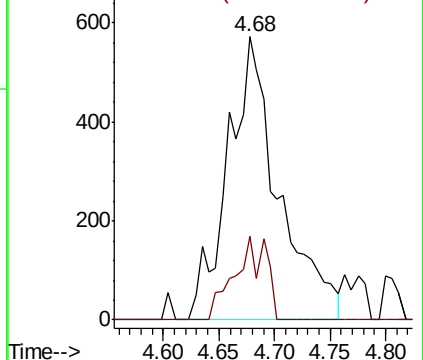
43 100

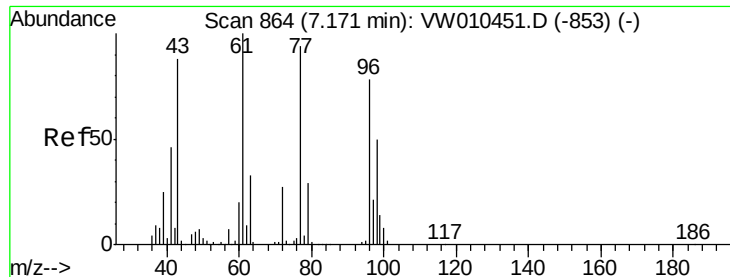
74 18.3 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 7.095 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010528.D

Acq: 23 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

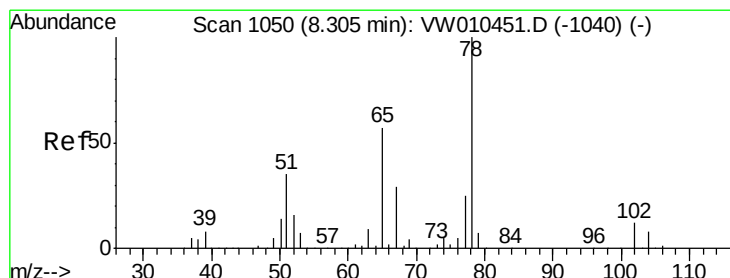
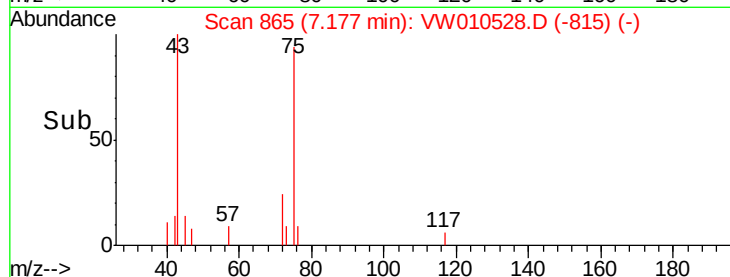
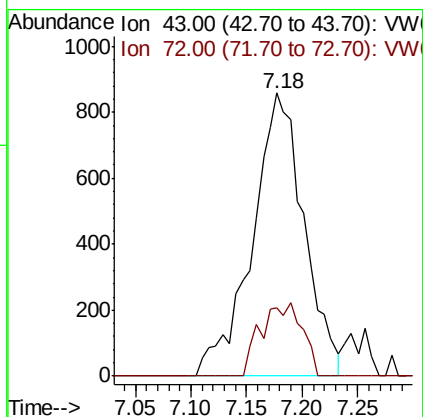
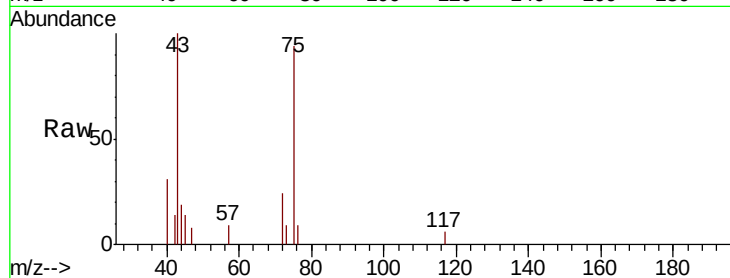
FESB-20(2.5-3)

Tot Ion: 43 Resp: 2767

Ion Ratio Lower Upper

43 100

72 24.0 24.1 36.1#



#33

1,2-Dichloroethane-d4

Concen: 52.294 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010528.D

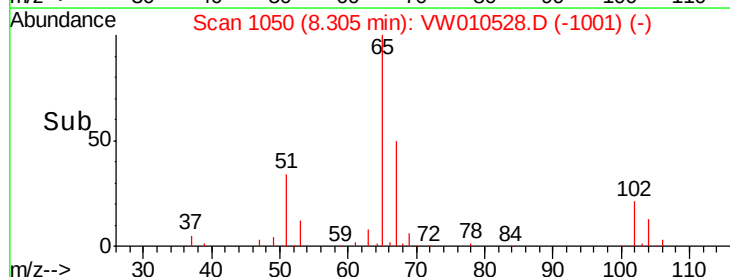
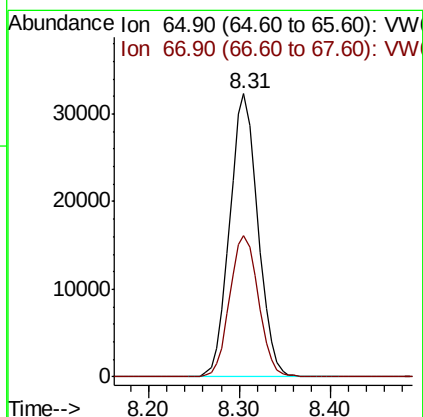
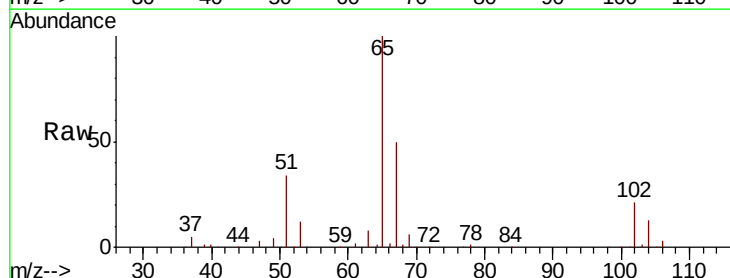
Acq: 23 May 2019 14:26

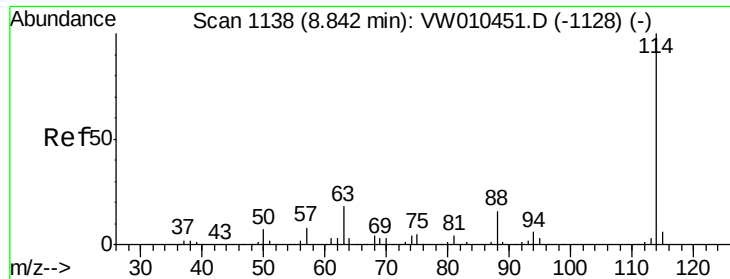
Tgt Ion: 65 Resp: 69819

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.6

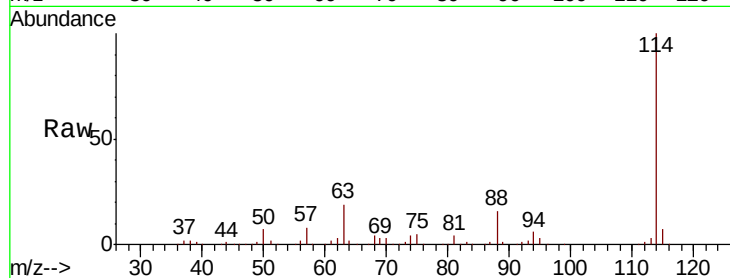




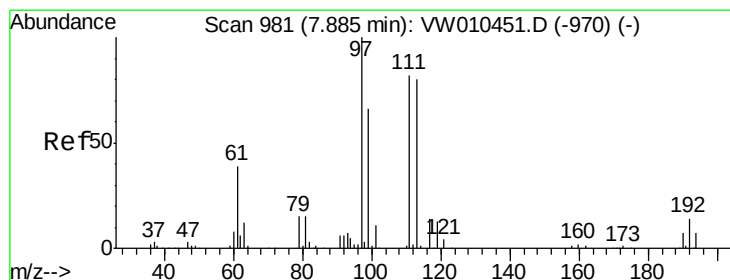
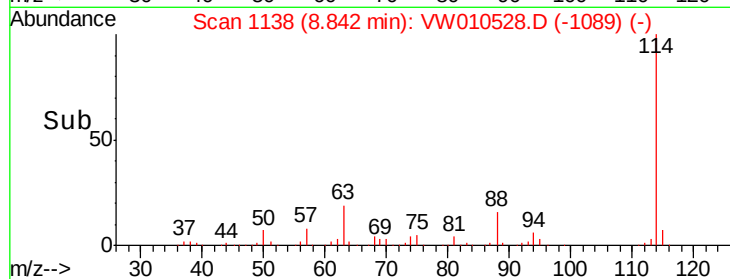
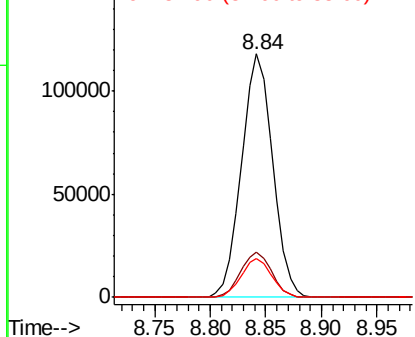
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
FESB-20(2.5-3)

Tot Ion:114 Resp: 229361
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.0
88 15.7 0.0 32.0

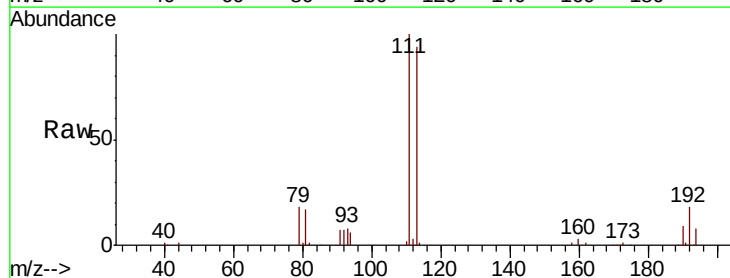


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

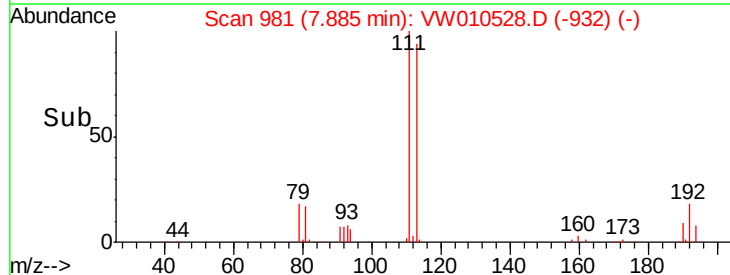
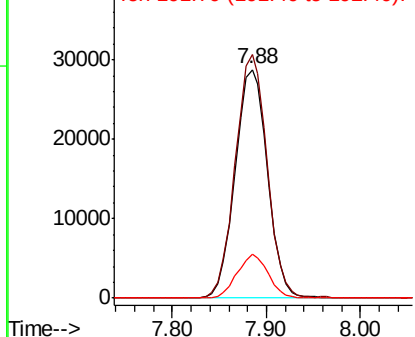


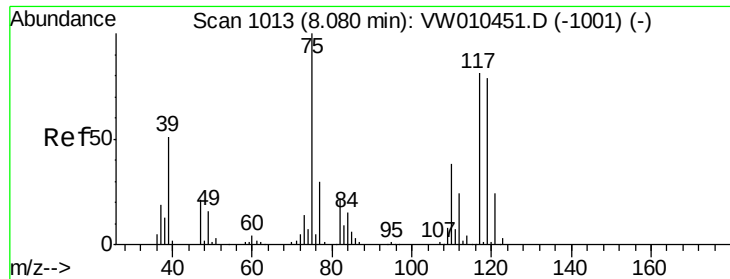
#35
Dibromofluoromethane
Concen: 49.659 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Tgt Ion:113 Resp: 69111
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.4
192 18.2 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

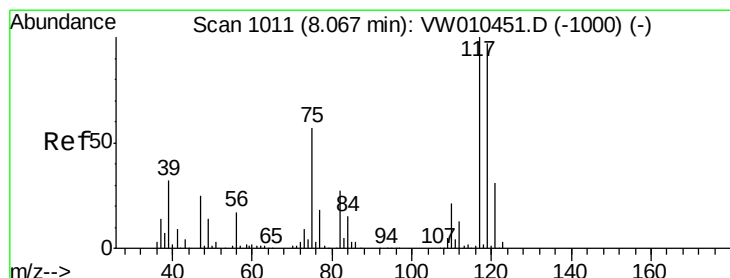
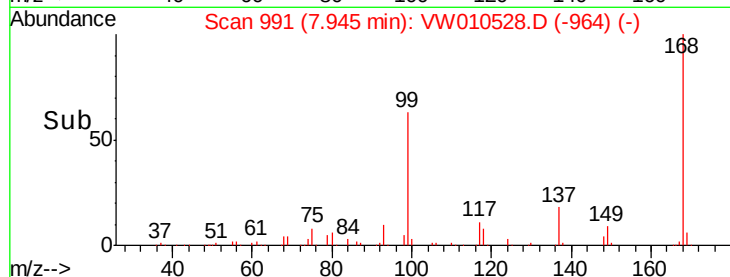
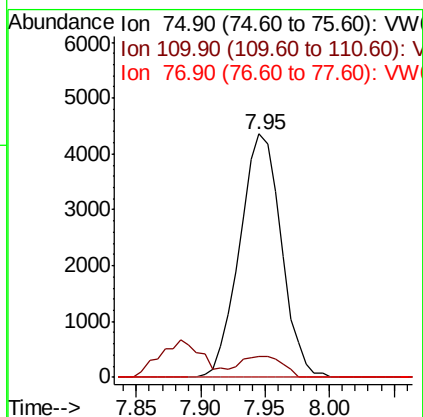
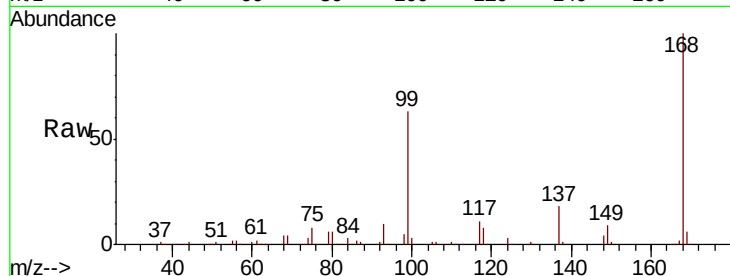




#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010528.D
 Acq: 23 May 2019 14:26

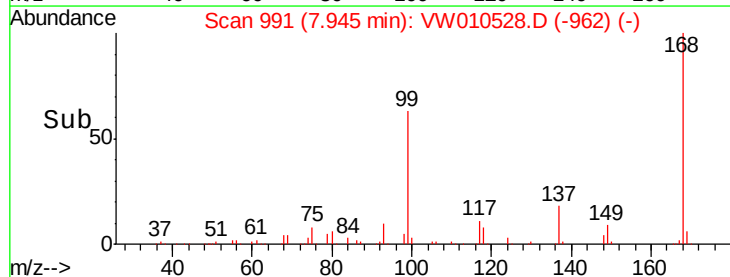
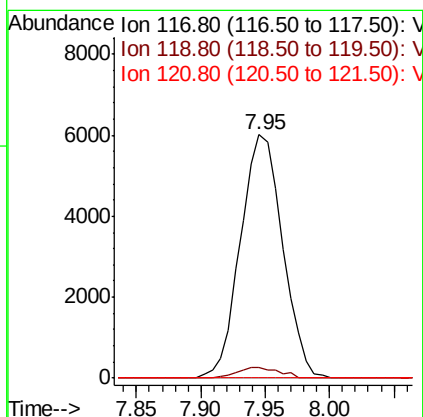
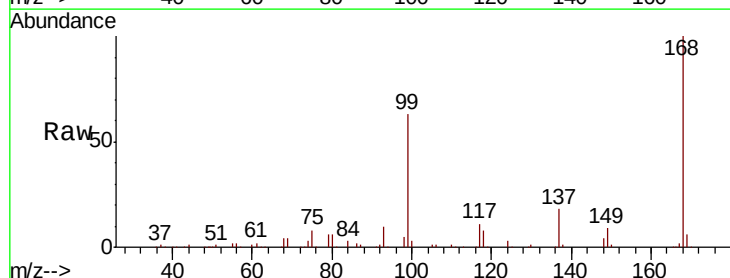
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-20(2.5-3)

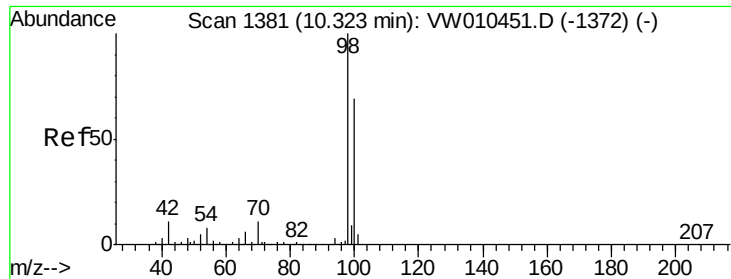
Tot Ion: 75 Resp: 9740
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.919 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010528.D
 Acq: 23 May 2019 14:26

Tgt Ion: 117 Resp: 13642
 Ion Ratio Lower Upper
 117 100
 119 4.5 77.4 116.0#
 121 0.0 25.0 37.6#

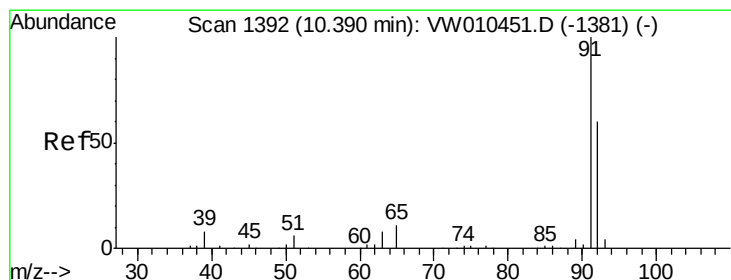
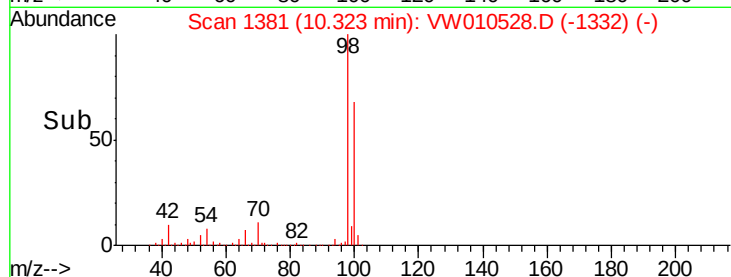
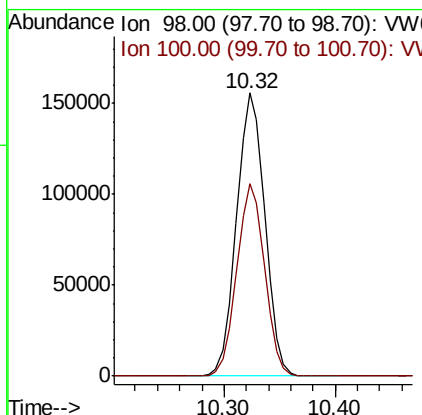
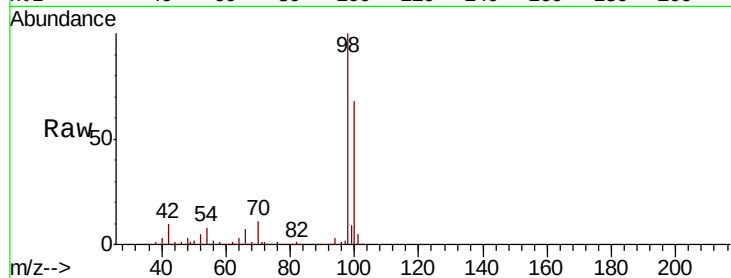




#50
Toluene-d8
Concen: 51.606 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

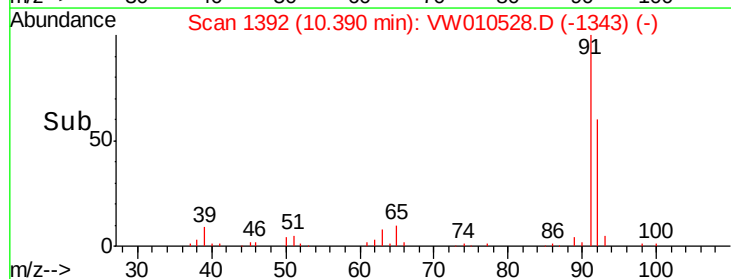
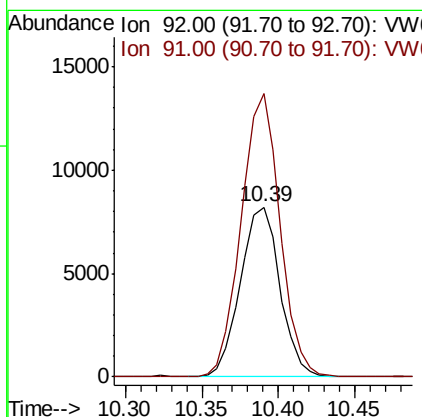
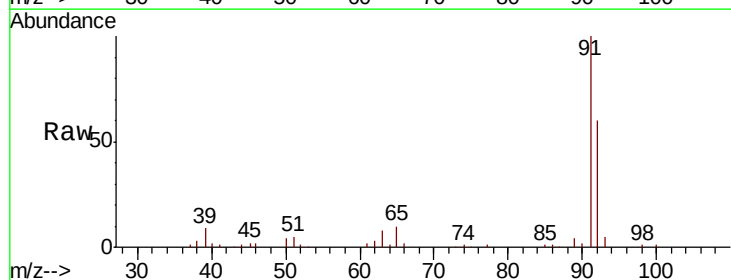
Instrument :
MSVOA_W
ClientSampleId :
FESB-20(2.5-3)

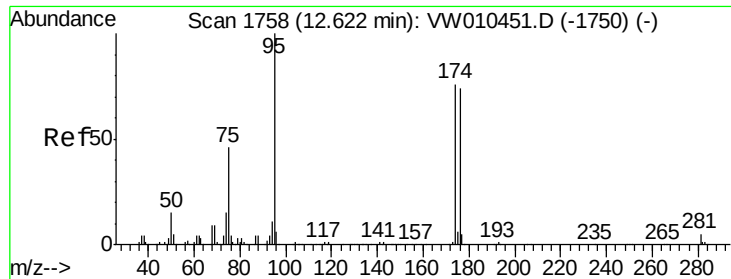
Tot Ion: 98 Resp: 274372
Ion Ratio Lower Upper
98 100
100 66.8 53.7 80.5



#52
Toluene
Concen: 3.698 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Tgt Ion: 92 Resp: 14749
Ion Ratio Lower Upper
92 100
91 163.7 135.4 203.0

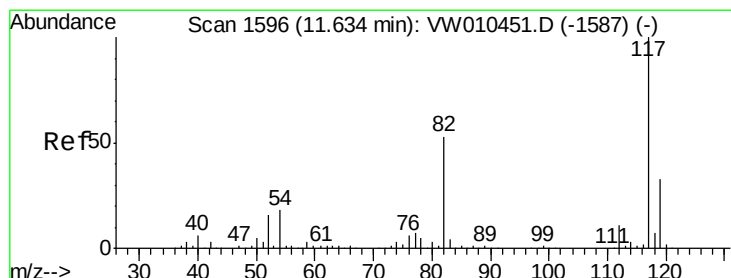
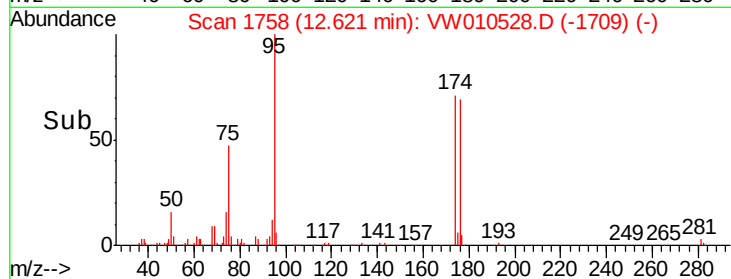
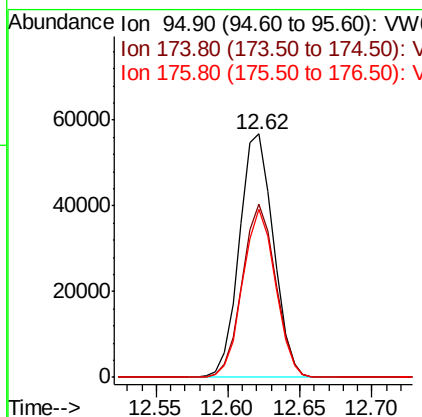
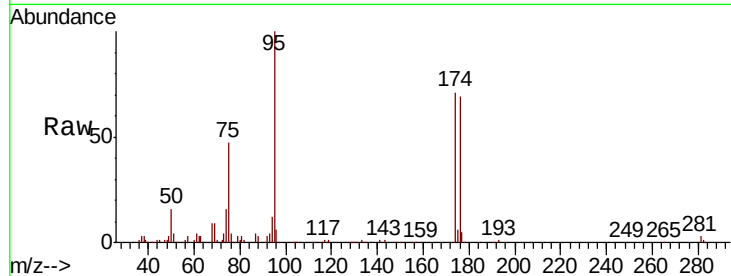




#62
4-Bromofluorobenzene
Concen: 43.944 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

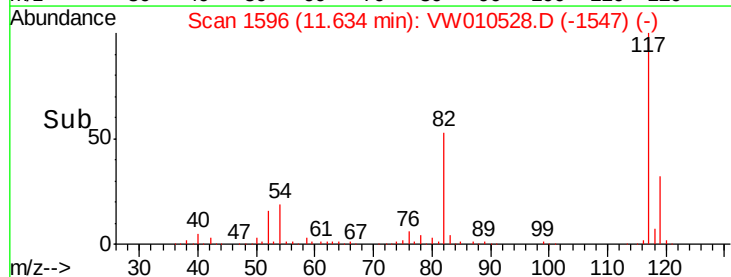
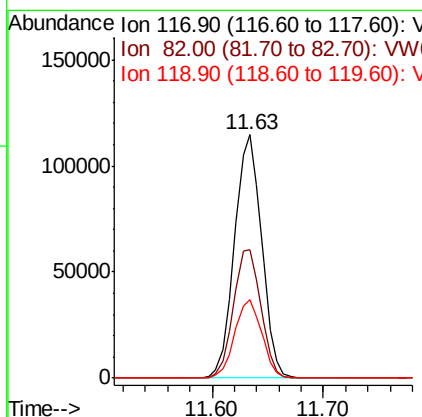
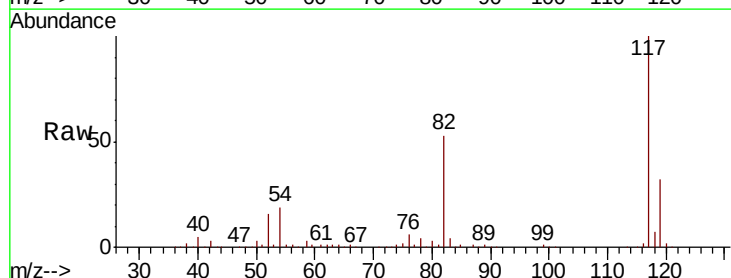
Instrument :
MSVOA_W
ClientSampleId :
FESB-20(2.5-3)

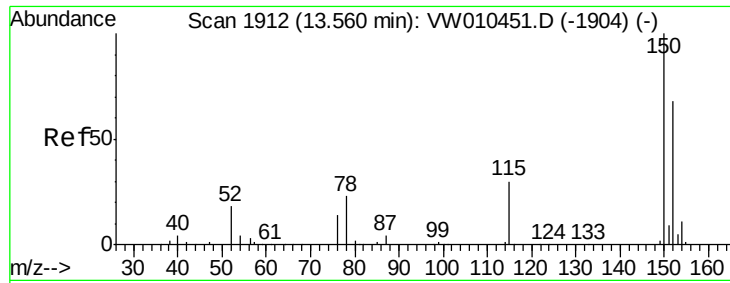
Tot Ion	95	Resp	93060
Ion Ratio	Lower	Upper	
95	100		
174	69.9	0.0	148.6
176	66.7	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Tgt Ion	117	Resp	193311
Ion Ratio	Lower	Upper	
117	100		
82	52.7	42.8	64.2
119	32.3	26.3	39.5



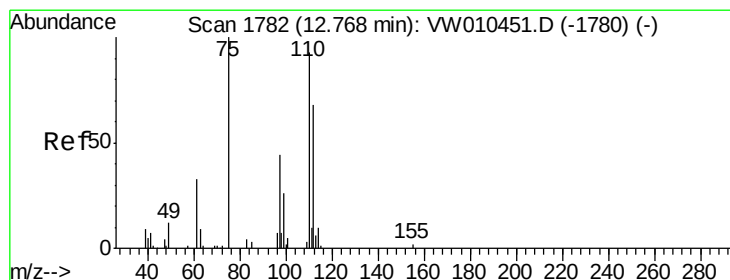
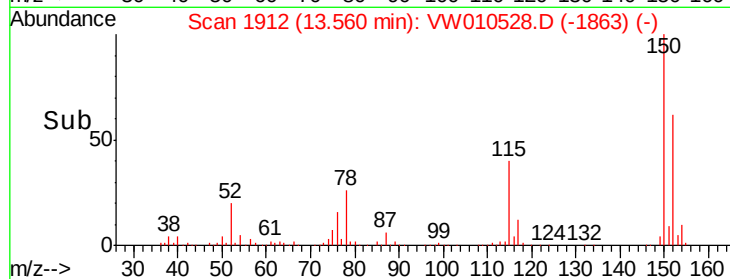
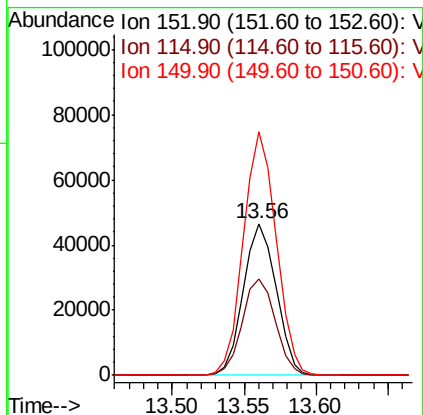
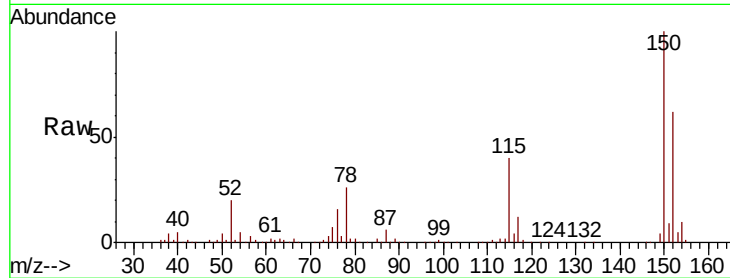


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
FESB-20(2.5-3)

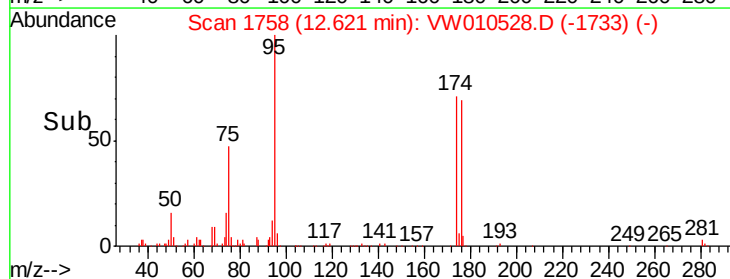
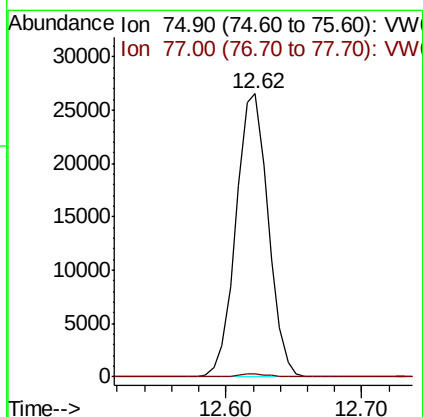
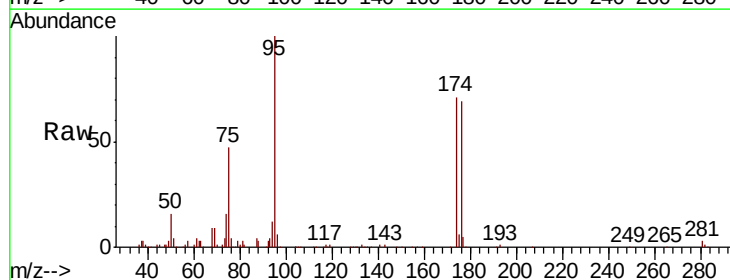
Tot Ion:152 Resp: 73562
Ion Ratio Lower Upper
152 100
115 63.7 30.3 91.0
150 160.0 0.0 349.8

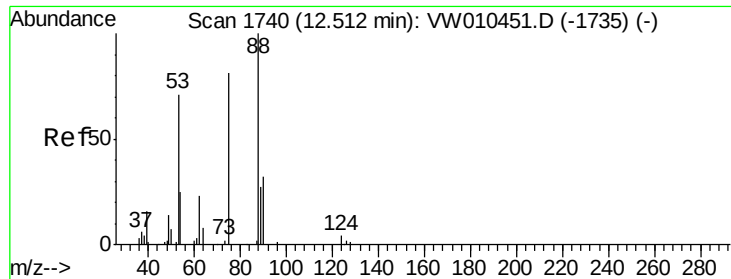


#76

1,2,3-Trichloropropane
Concen: 58.837 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010528.D
Acq: 23 May 2019 14:26

Tgt Ion: 75 Resp: 43934
Ion Ratio Lower Upper
75 100
77 1.1 170.0 510.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 122.795 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010528.D

Acq: 23 May 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

FESB-20(2.5-3)

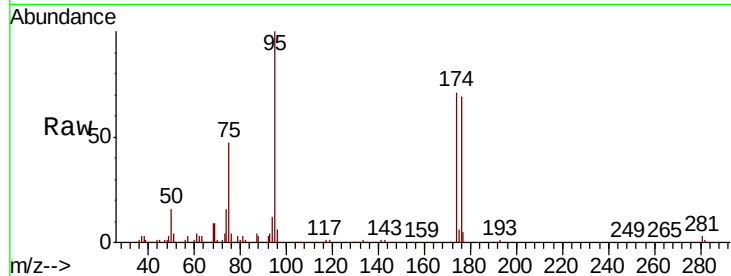
Tot Ion: 75 Resp: 43934

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

