

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010565.D
 Acq On : 28 May 2019 14:18
 Operator : SY/VA
 Sample : K3066-02
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-25(5.5-6)

Quant Time: May 29 07:00:23 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	140675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	238928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72045	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	69977	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	7.88	113	71462	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	10.32	98	286619	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	90805	41.16	ug/l	0.00
Spiked Amount			Recovery	=	82.32%	

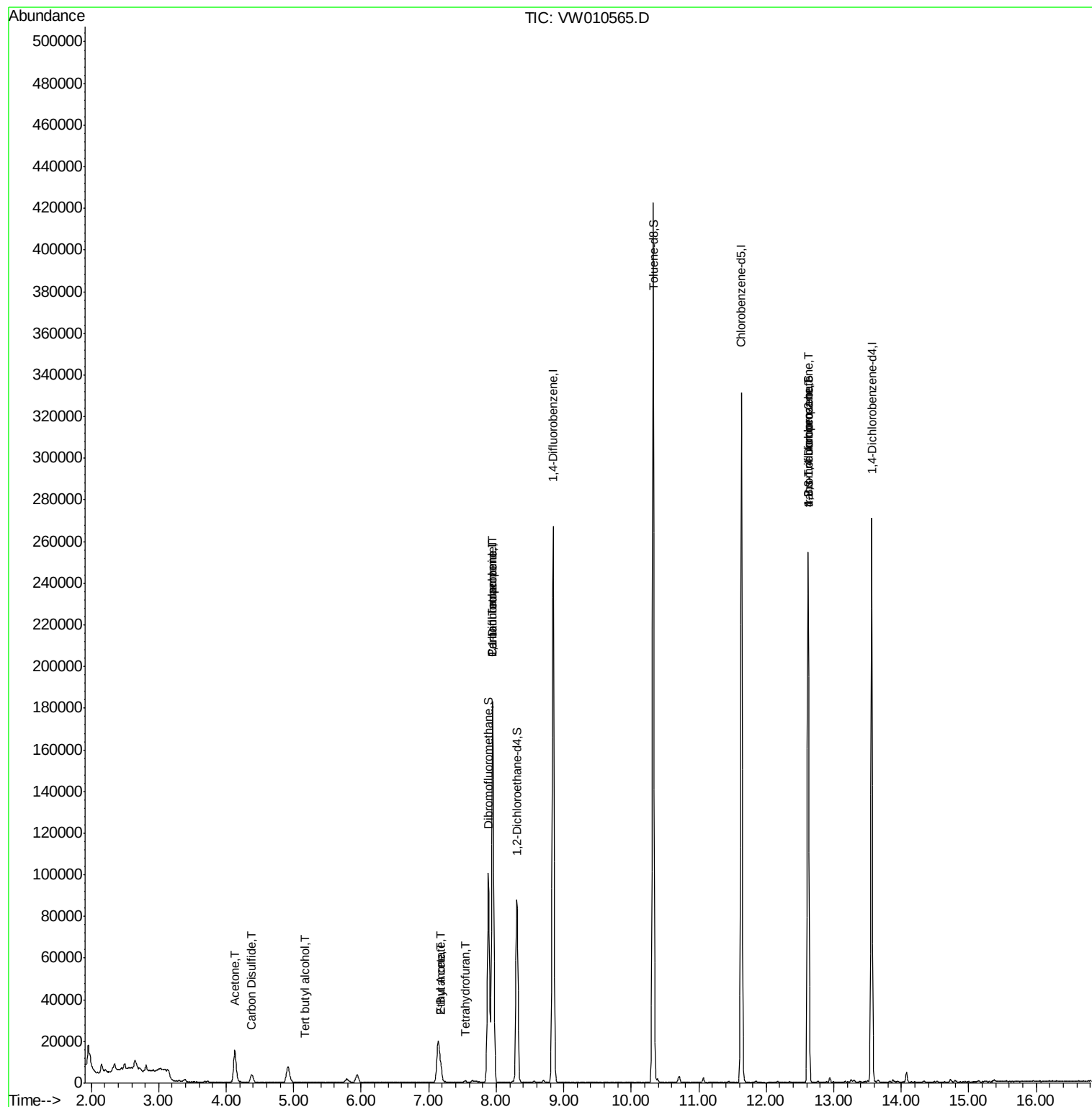
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	404	3.093	ug/l #	85
13) Acrolein	3.89	56	48	Below Cal	#	69
16) Acetone	4.13	43	27480	92.717	ug/l	95
17) Carbon Disulfide	4.37	76	8156	1.840	ug/l	100
20) Methylene Chloride	4.91	84	6627	Below Cal		90
25) 2-Butanone	7.18	43	12065	28.445	ug/l	98
29) Tetrahydrofuran	7.54	42	493	1.718	ug/l #	79
36) 1,1-Dichloropropene	7.95	75	10148	4.559	ug/l #	49
37) Ethyl Acetate	7.18	43	12065	12.747	ug/l #	67
38) Carbon Tetrachloride	7.95	117	13908	5.793	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	42009	57.444	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	42009	119.887	ug/l #	14

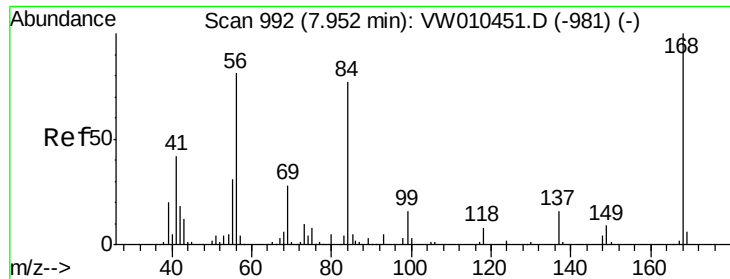
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
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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# 992

Delta R.T. -0.00 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

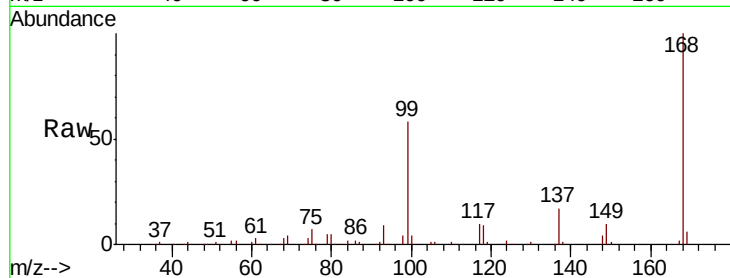
FESB-25(5.5-6)

Tot Ion:168 Resp: 140675

Ion Ratio Lower Upper

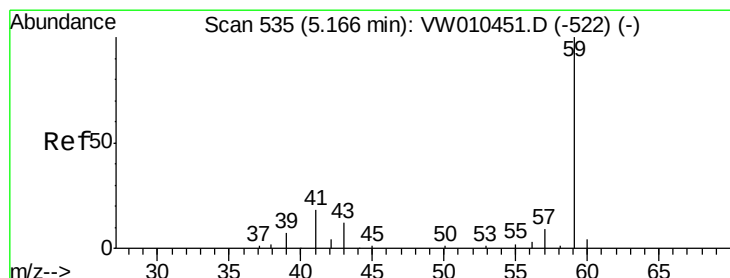
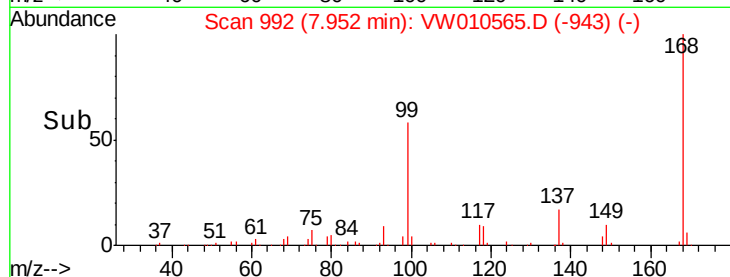
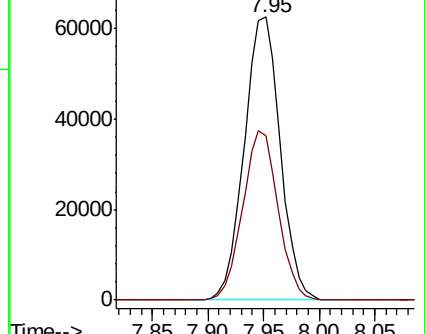
168 100

99 58.1 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.093 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW010565.D

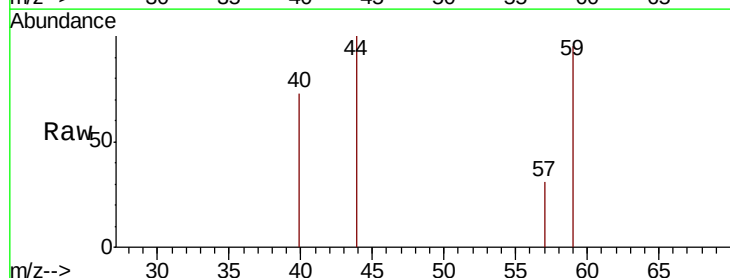
Acq: 28 May 2019 14:18

Tgt Ion: 59 Resp: 404

Ion Ratio Lower Upper

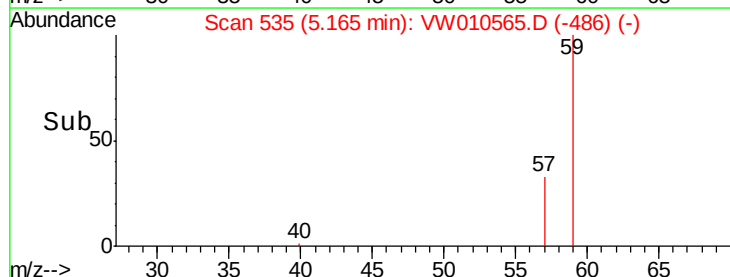
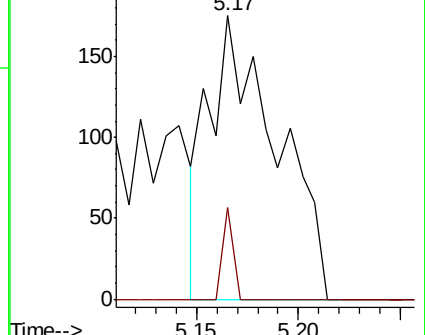
59 100

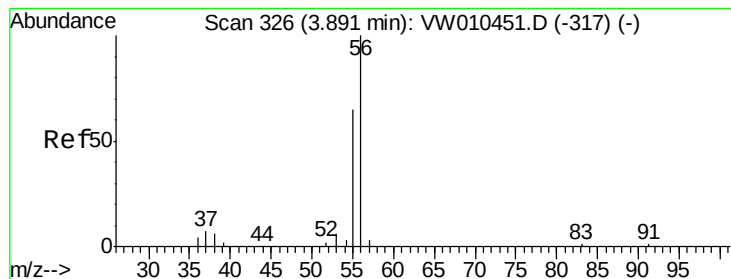
57 5.2 8.8 13.2#



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: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

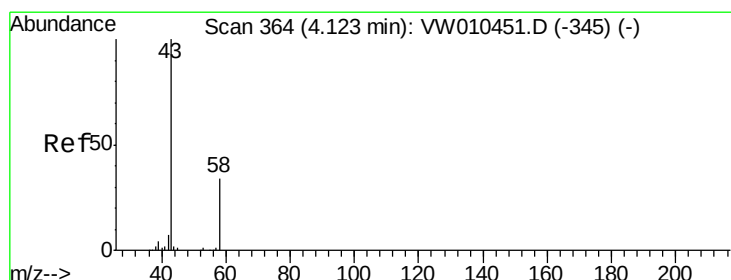
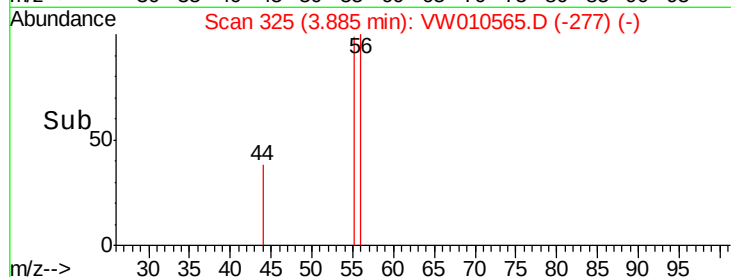
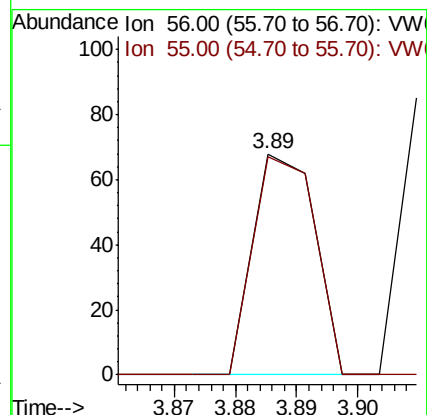
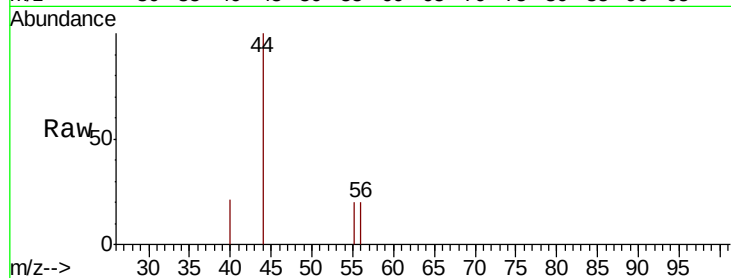
FESB-25(5.5-6)

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

56 100

55 97.9 57.9 86.9#



#16

Acetone

Concen: 92.717 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010565.D

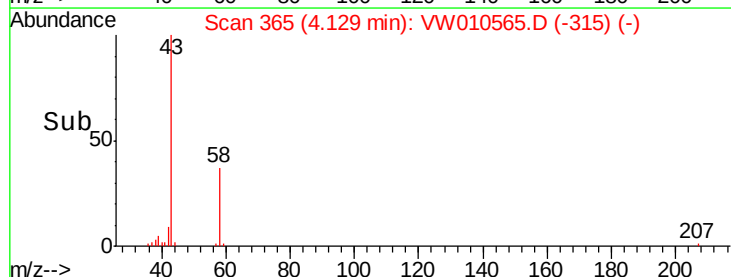
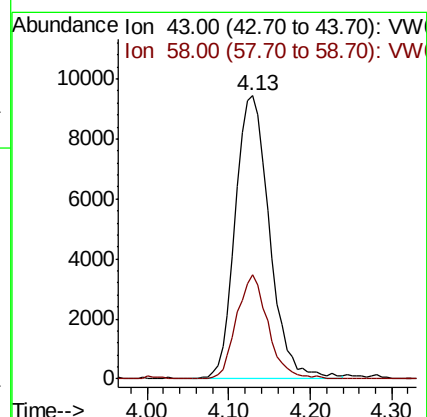
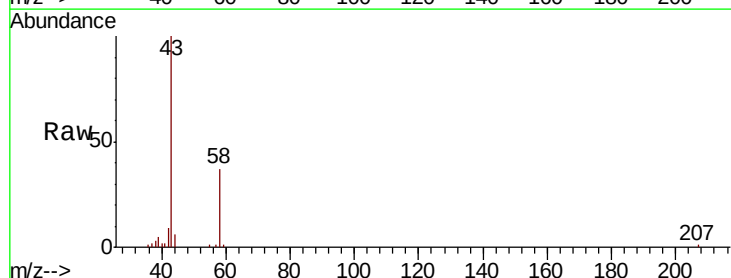
Acq: 28 May 2019 14:18

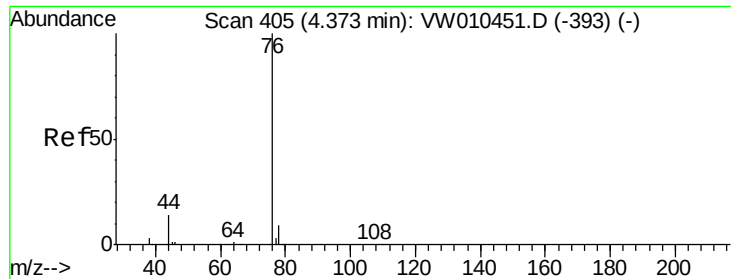
Tgt Ion: 43 Resp: 27480

Ion Ratio Lower Upper

43 100

58 36.8 27.0 40.4





#17

Carbon Disulfide

Concen: 1.840 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

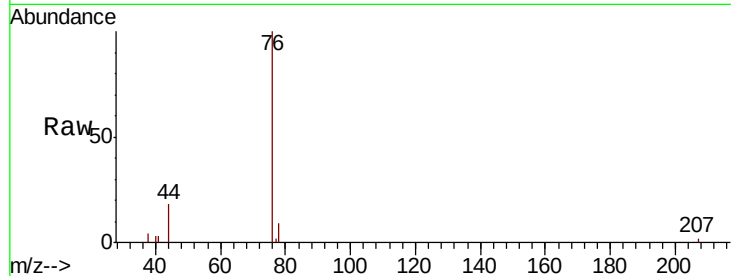
FESB-25(5.5-6)

Tot Ion: 76 Resp: 8156

Ion Ratio Lower Upper

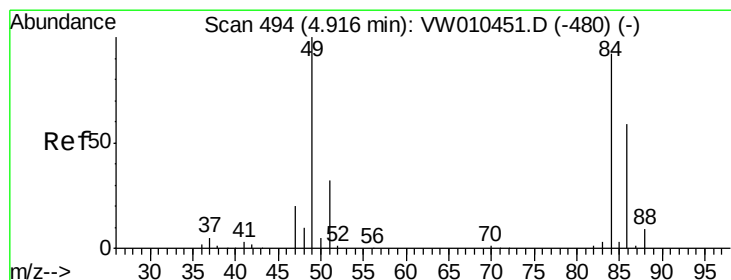
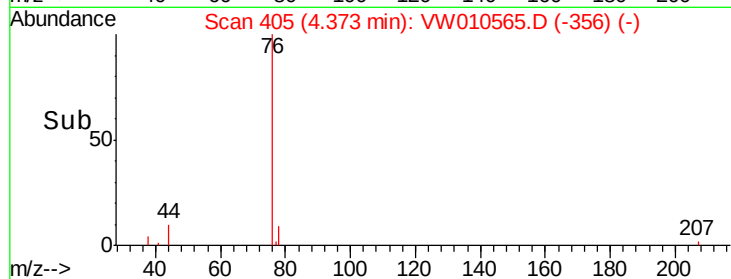
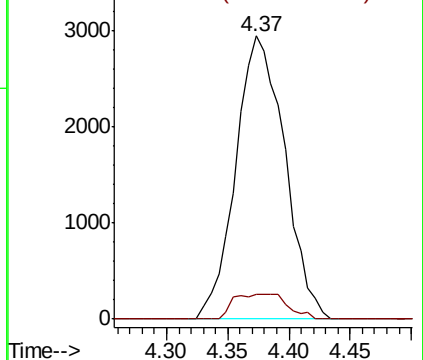
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Tgt Ion: 84 Resp: 6627

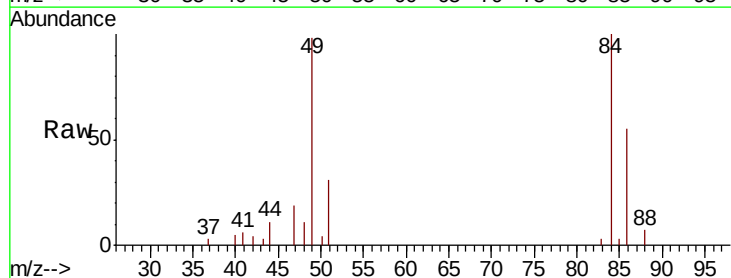
Ion Ratio Lower Upper

84 100

49 97.6 87.2 130.8

51 30.7 27.7 41.5

86 54.9 51.4 77.0

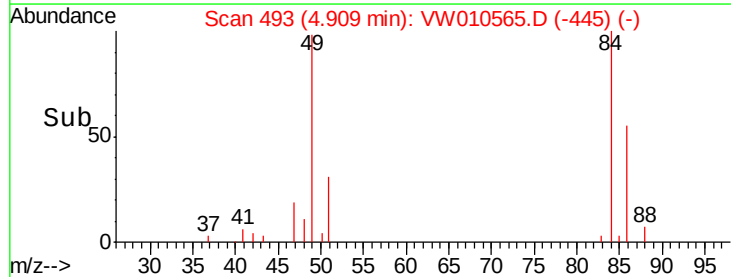
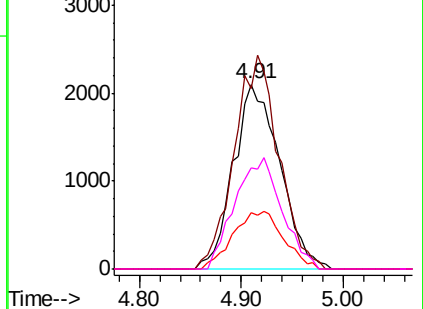


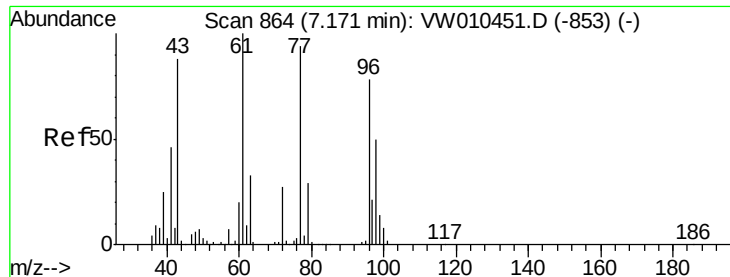
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 28.445 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampled :

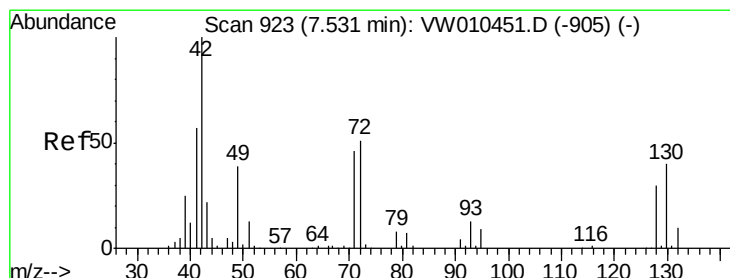
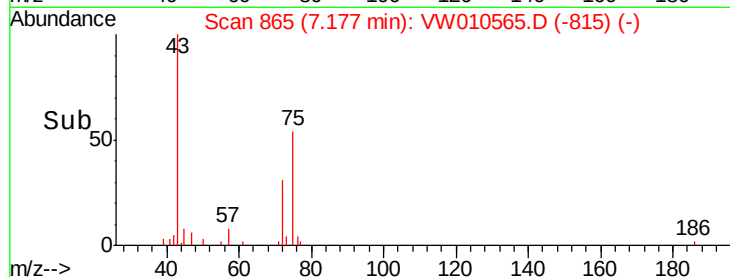
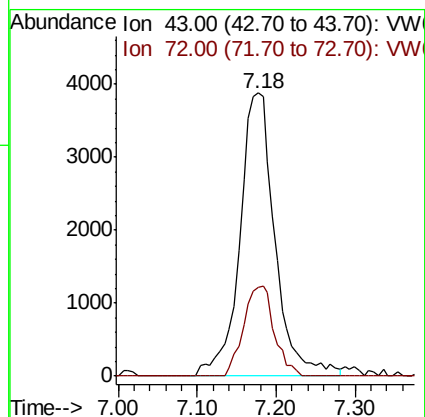
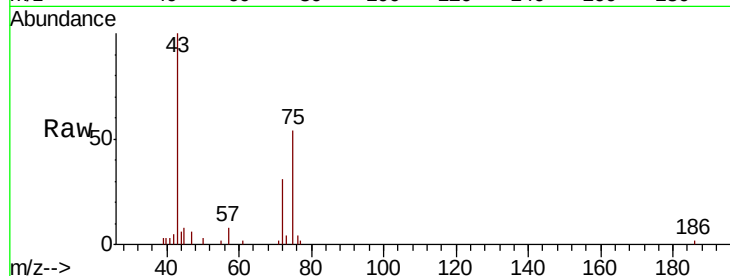
FESB-25(5.5-6)

Tot Ion: 43 Resp: 12065

Ion Ratio Lower Upper

43 100

72 31.4 24.1 36.1



#29

Tetrahydrofuran

Concen: 1.718 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

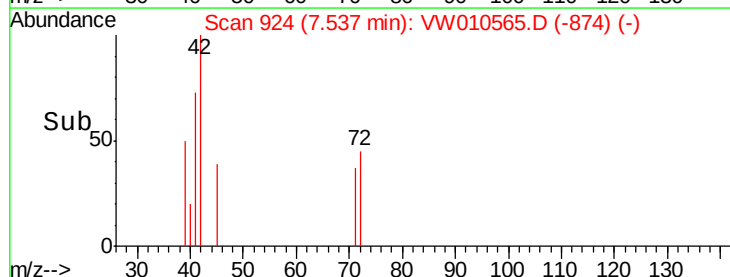
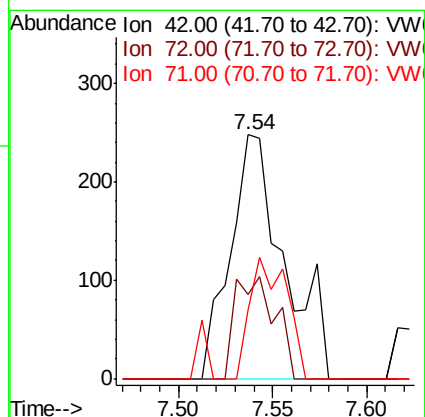
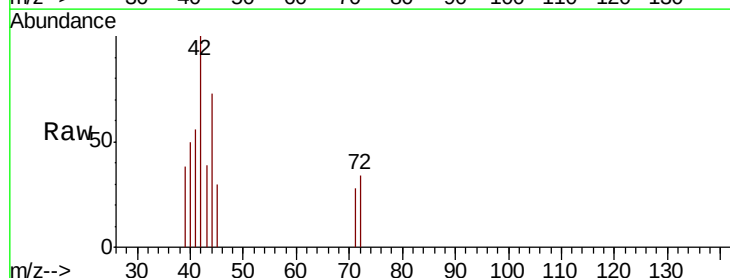
Tgt Ion: 42 Resp: 493

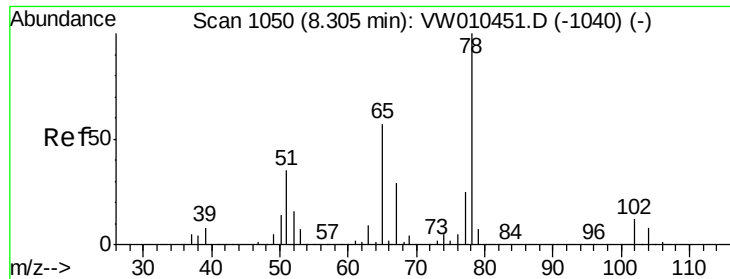
Ion Ratio Lower Upper

42 100

72 31.0 38.5 57.7#

71 34.1 36.5 54.7#

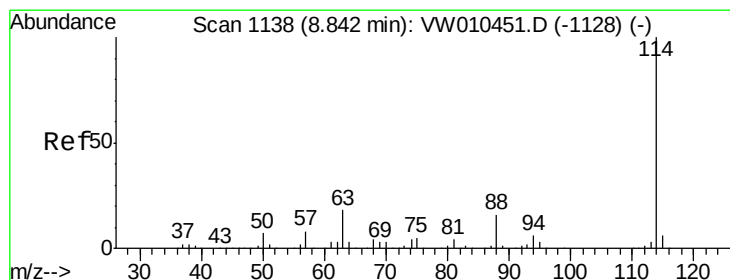
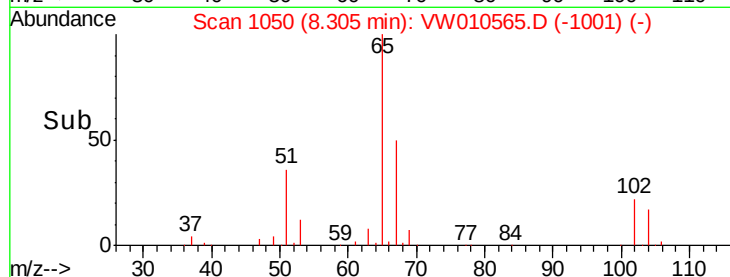
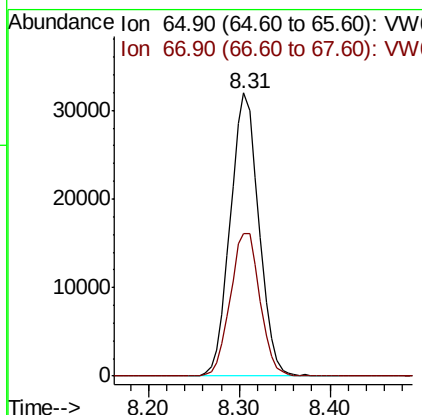
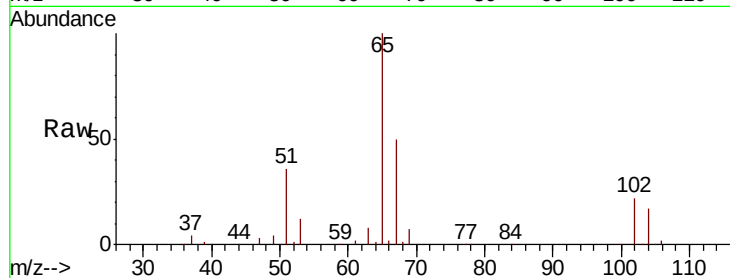




#33
 1,2-Dichloroethane-d4
 Concen: 48.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010565.D
 Acq: 28 May 2019 14:18

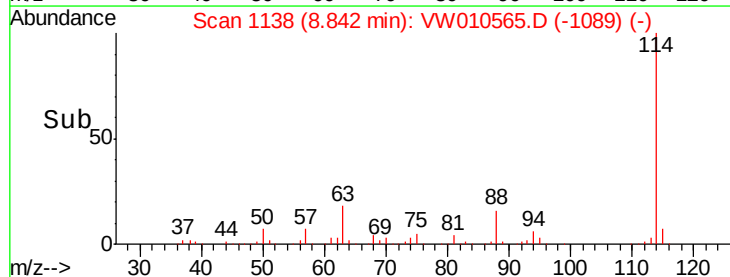
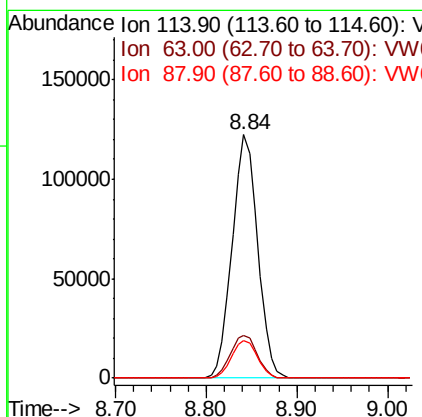
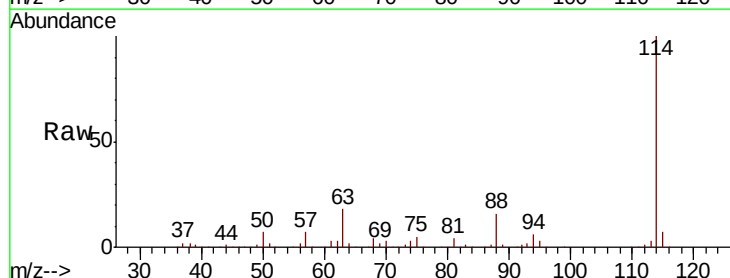
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-25(5.5-6)

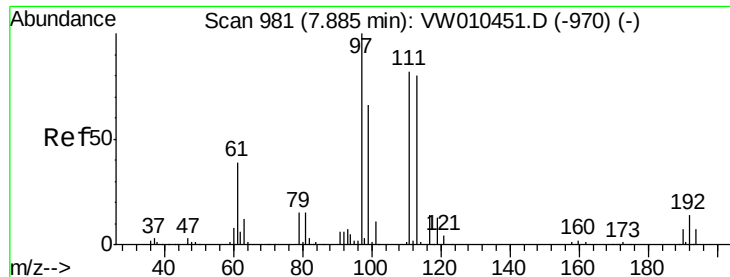
Tot Ion: 65 Resp: 69977
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010565.D
 Acq: 28 May 2019 14:18

Tgt Ion: 114 Resp: 238928
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 15.6 0.0 32.0

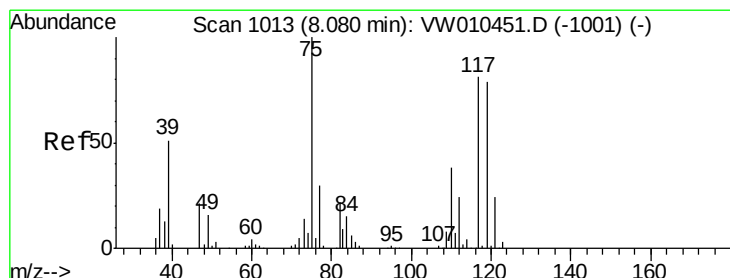
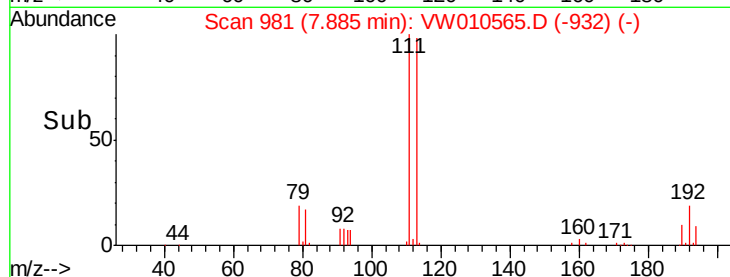
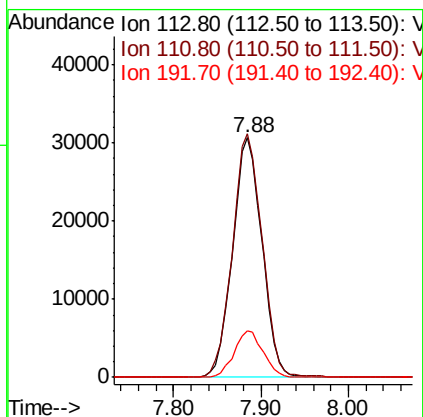
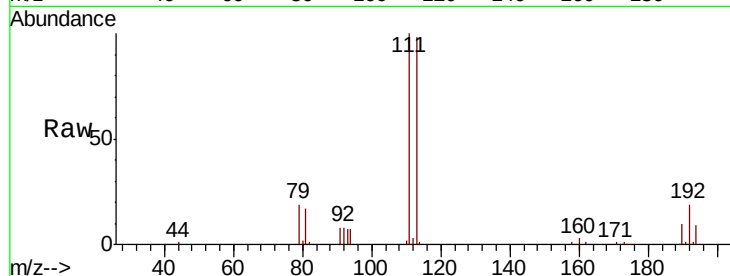




#35
 Dibromofluoromethane
 Concen: 49.292 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010565.D
 Acq: 28 May 2019 14:18

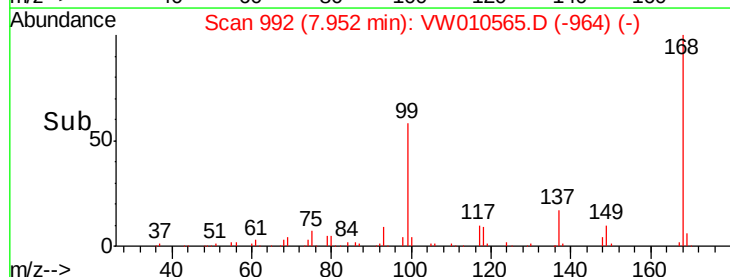
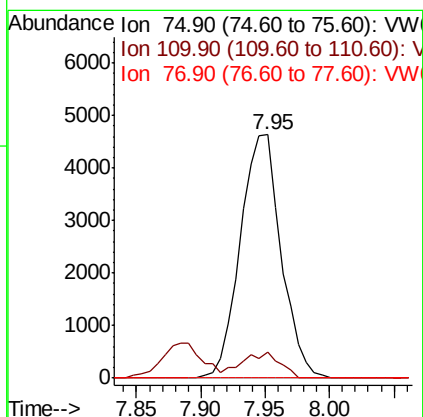
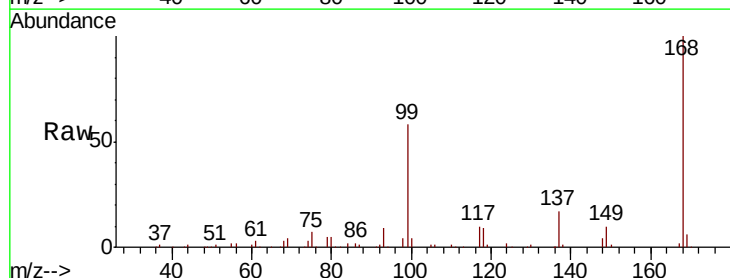
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-25(5.5-6)

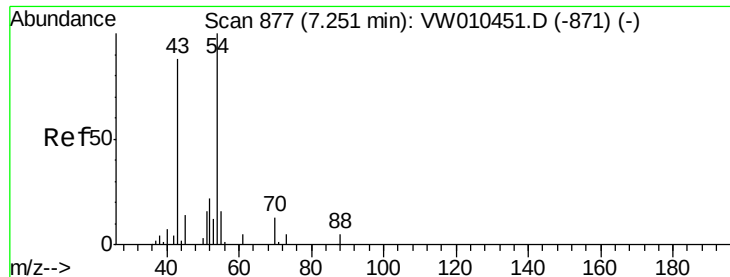
Tot Ion:113 Resp: 71462
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 19.2 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010565.D
 Acq: 28 May 2019 14:18

Tgt Ion: 75 Resp: 10148
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.2 57.6#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 12.747 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

FESB-25(5.5-6)

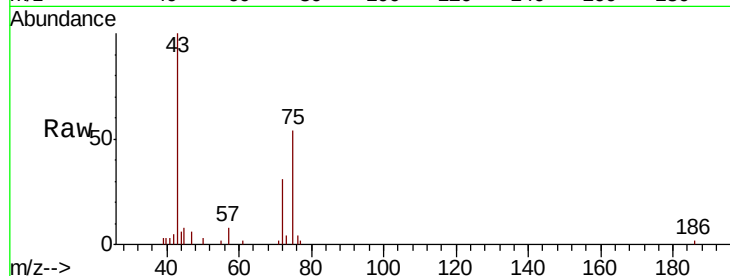
Tot Ion: 43 Resp: 12065

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

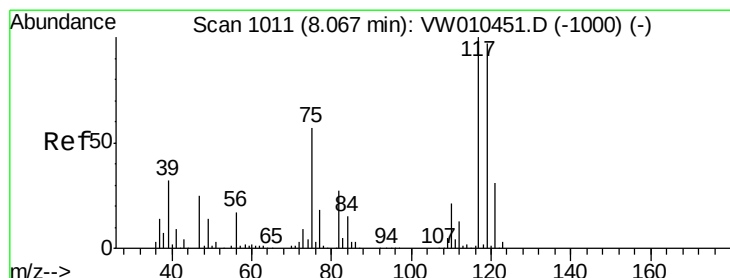
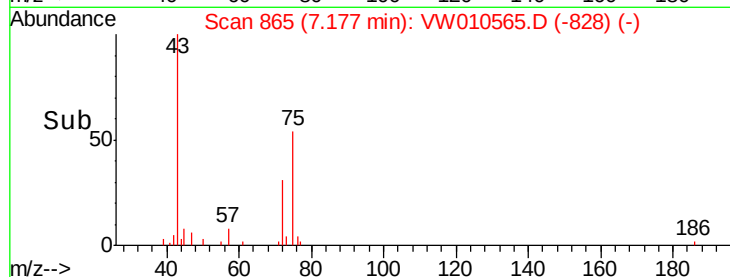
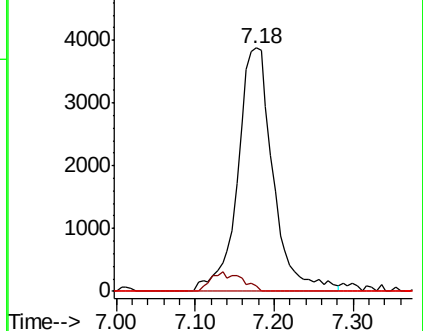
70 0.0 9.9 14.9#



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: 5.793 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

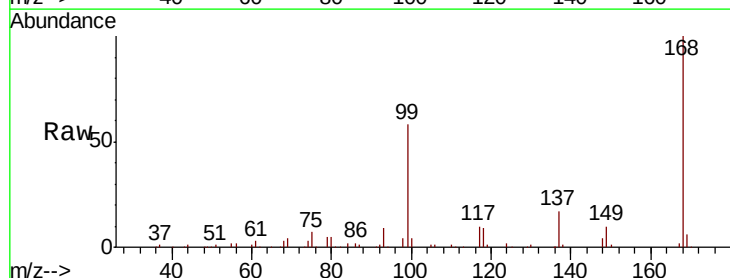
Tgt Ion: 117 Resp: 13908

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

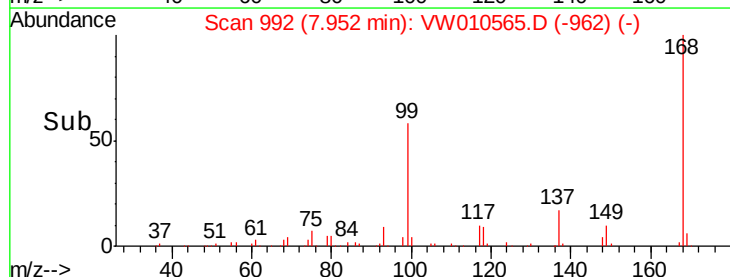
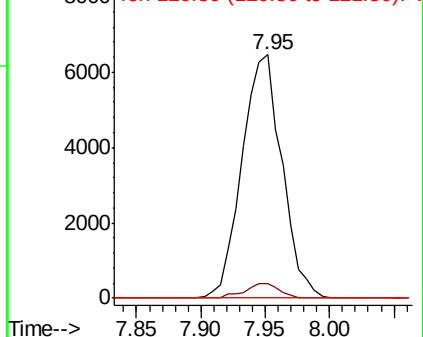
121 0.0 25.0 37.6#

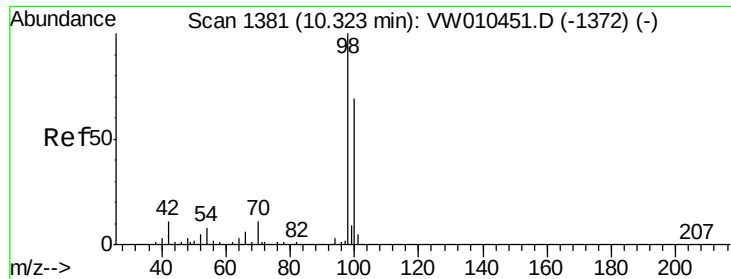


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

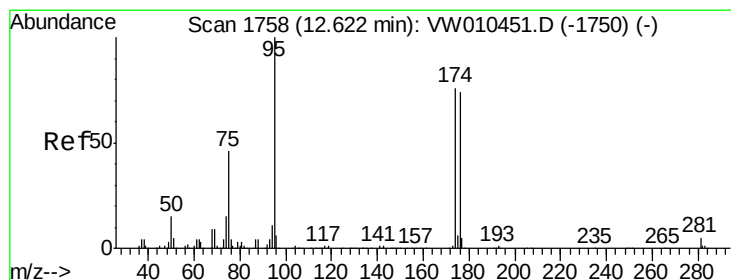
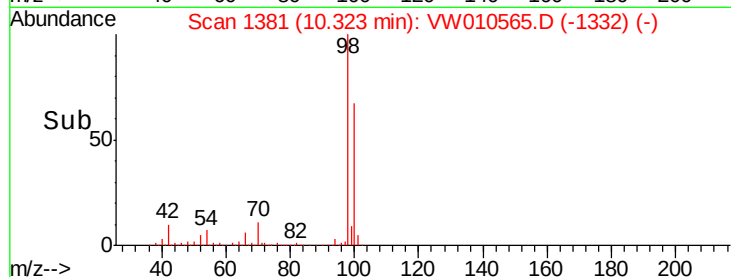
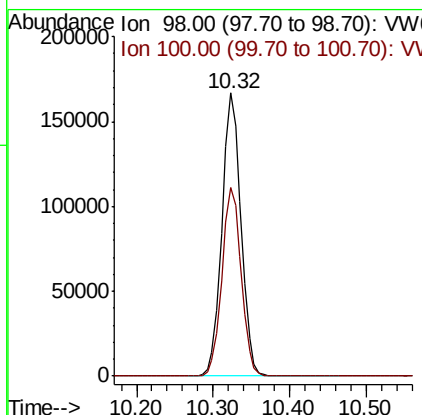
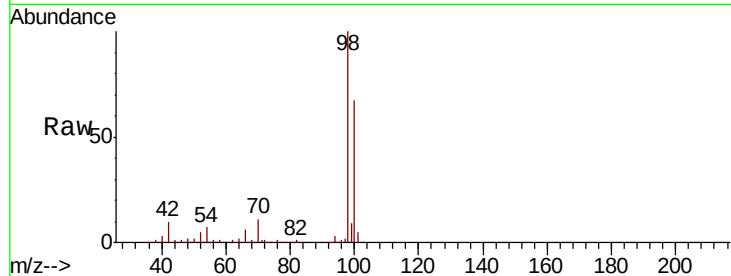




#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010565.D
Acq: 28 May 2019 14:18

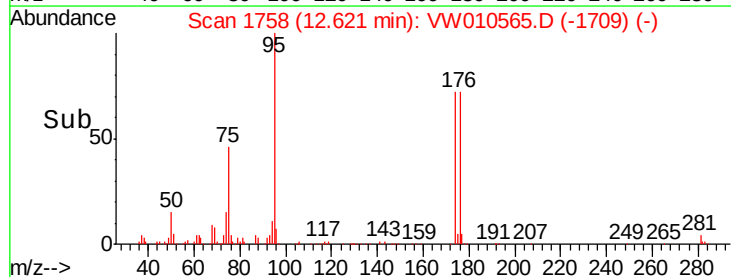
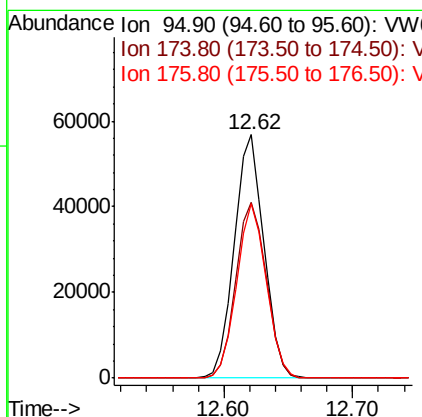
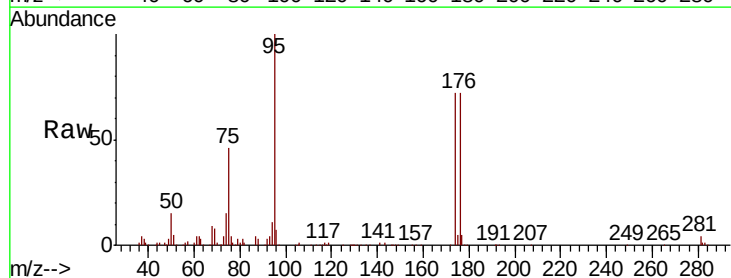
Instrument :
MSVOA_W
ClientSampleId :
FESB-25(5.5-6)

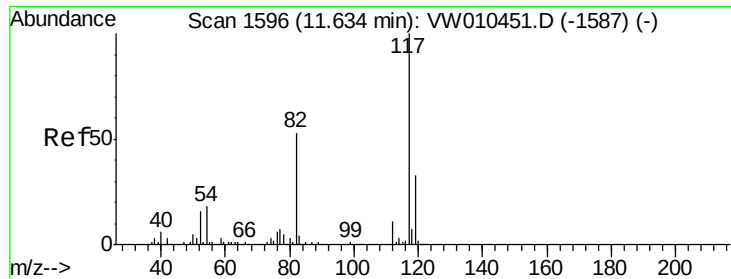
Tot Ion: 98 Resp: 286619
Ion Ratio Lower Upper
98 100
100 67.2 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 41.162 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010565.D
Acq: 28 May 2019 14:18

Tgt Ion: 95 Resp: 90805
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.6
176 71.5 0.0 144.2

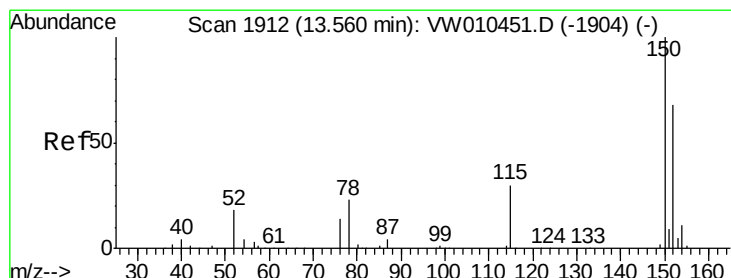
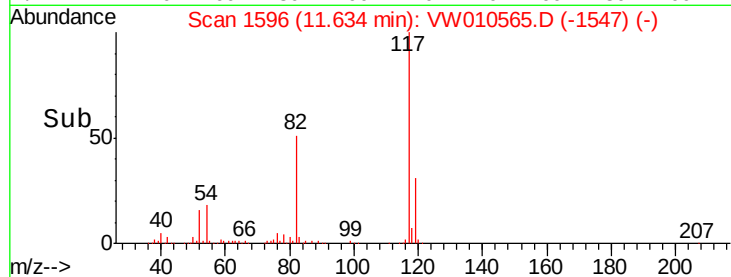
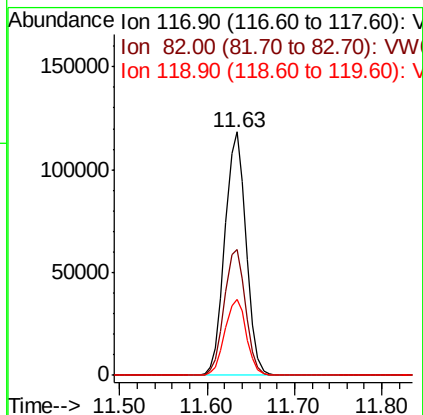
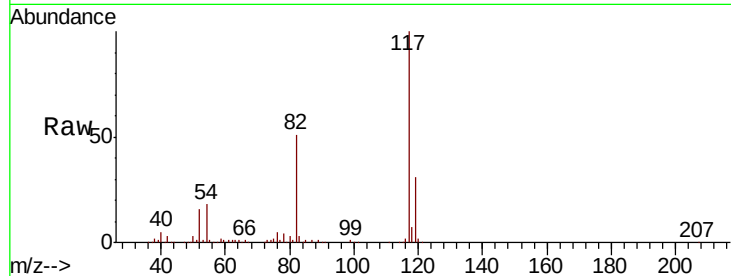




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010565.D
Acq: 28 May 2019 14:18

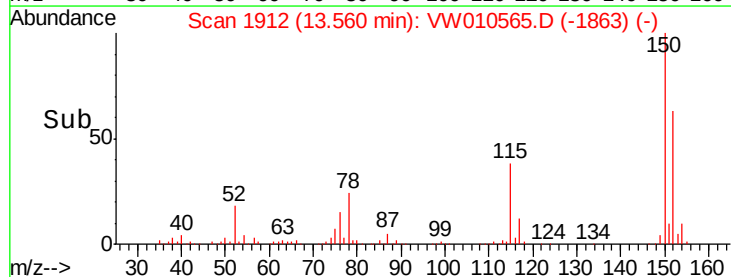
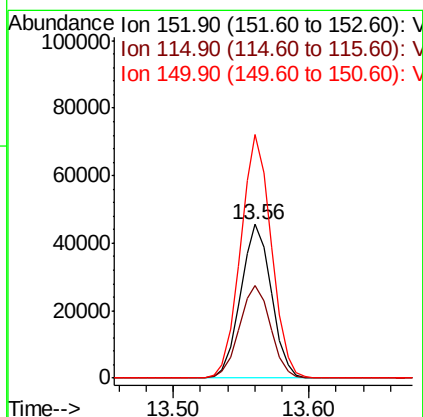
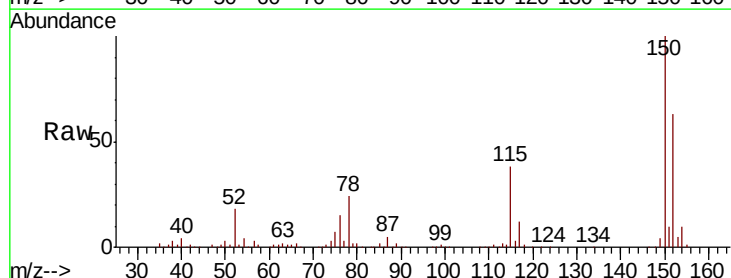
Instrument :
MSVOA_W
ClientSampleId :
FESB-25(5.5-6)

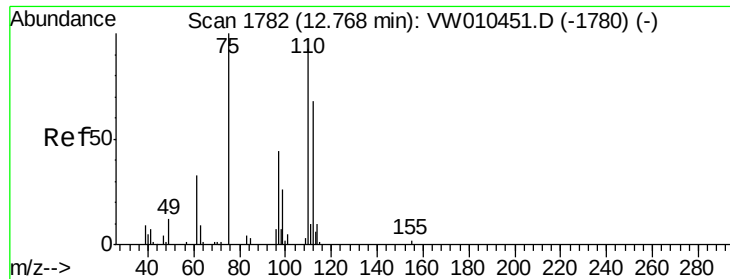
Tot Ion:117 Resp: 198578
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 31.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010565.D
Acq: 28 May 2019 14:18

Tgt Ion:152 Resp: 72045
Ion Ratio Lower Upper
152 100
115 61.0 30.3 91.0
150 157.9 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 57.444 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

Instrument :

MSVOA_W

ClientSampleId :

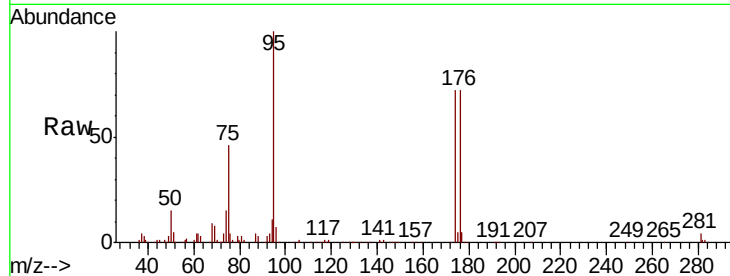
FESB-25(5.5-6)

Tot Ion: 75 Resp: 42009

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

12.62

25000

20000

15000

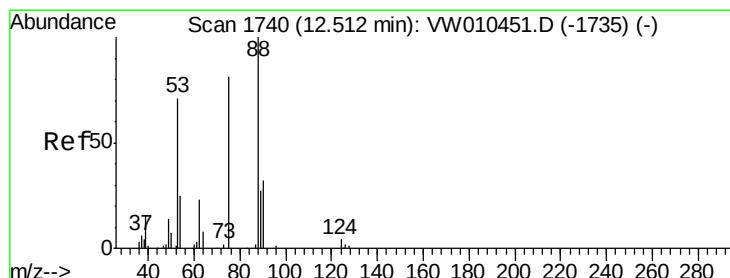
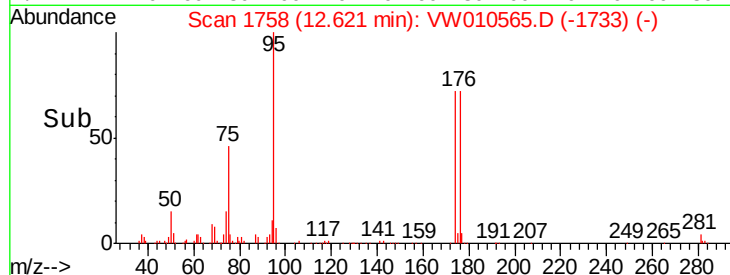
10000

5000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 119.887 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010565.D

Acq: 28 May 2019 14:18

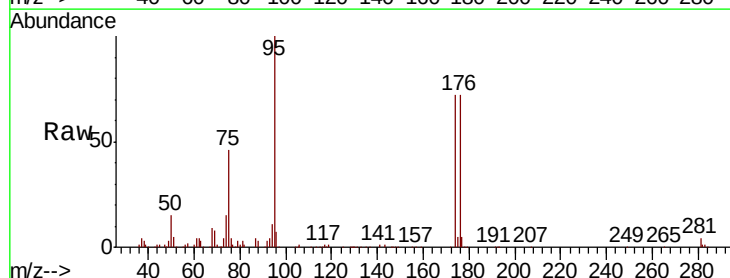
Tgt Ion: 75 Resp: 42009

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

12.62

30000

20000

10000

0

12.55 12.60 12.65 12.70

Time-->

