

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001217.D
 Acq On : 15 Jan 2020 14:55
 Operator : SY/MD
 Sample : L1125-03
 Misc : 5.91G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FESB-34-(4.5-5)

Quant Time: Jan 16 04:50:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	170871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	306986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	273296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	122359	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	93157	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	7.73	113	89064	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.18	98	359416	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.48	95	129004	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

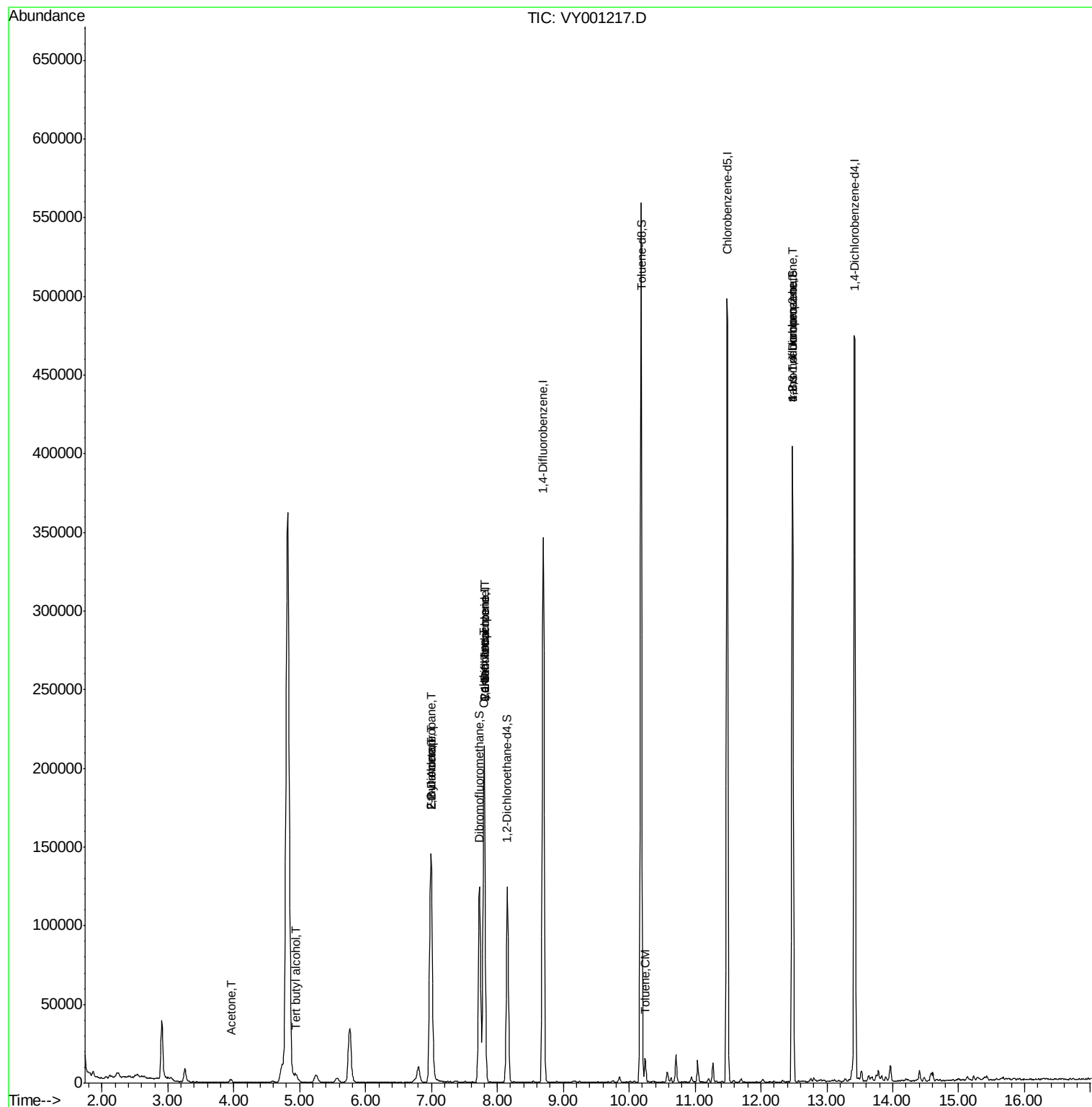
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	6174	34.002	ug/l #	82
16) Acetone	3.97	43	1977	4.717	ug/l #	76
20) Methylene Chloride	4.72	84	6669	Below Cal	#	87
25) 2-Butanone	6.99	43	7371	11.300	ug/l #	75
26) 2,2-Dichloropropane	6.99	77	10385	3.426	ug/l #	52
31) Cyclohexane	7.79	56	3946	1.131	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	13418	4.796	ug/l #	48
37) Ethyl Acetate	6.99	43	7371	4.489	ug/l #	1
38) Carbon Tetrachloride	7.80	117	16262	6.342	ug/l #	15
52) Toluene	10.24	92	5711	1.096	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	61670	47.081	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	61670	79.839	ug/l #	6

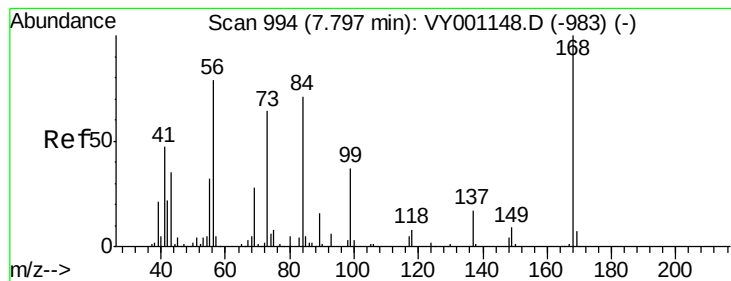
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

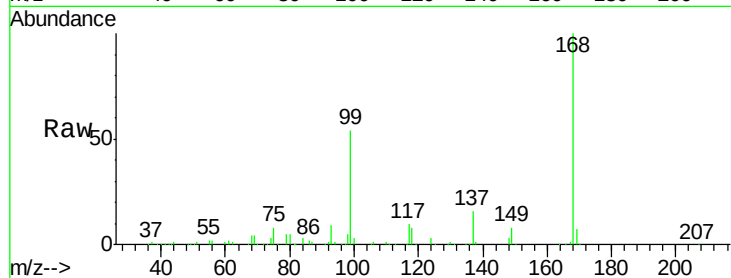
FESB-34-(4.5-5)

Tgt Ion:168 Resp: 170871

Ion Ratio Lower Upper

168 100

99 53.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

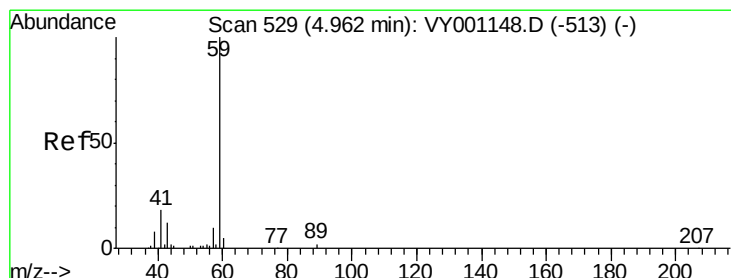
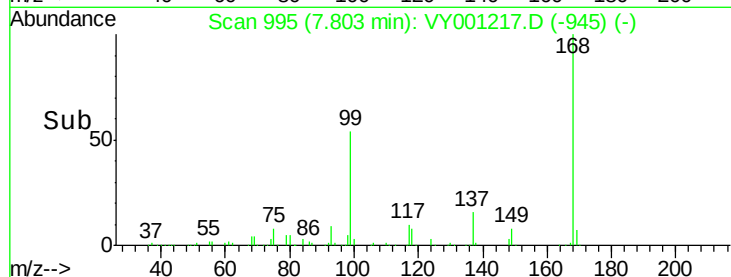
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 34.002 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY001217.D

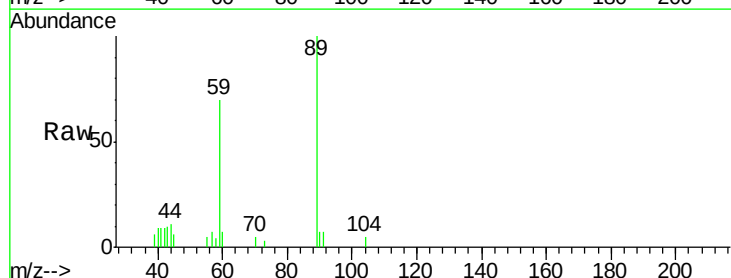
Acq: 15 Jan 2020 14:55

Tgt Ion: 59 Resp: 6174

Ion Ratio Lower Upper

59 100

57 3.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)

4.95

1500

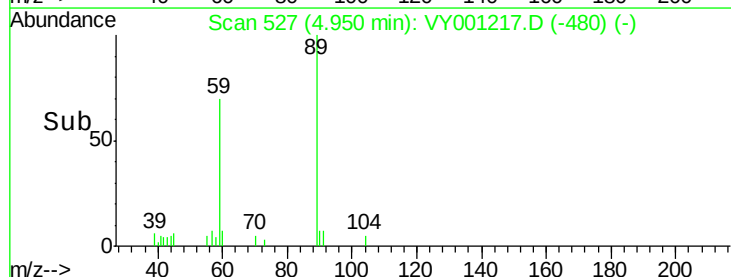
1000

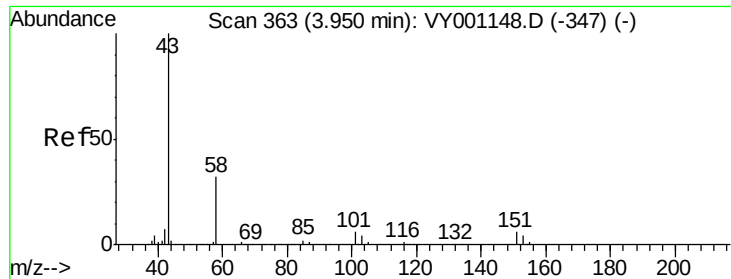
500

0

4.80 4.90 5.00 5.10

Time-->





#16

Acetone

Concen: 4.717 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

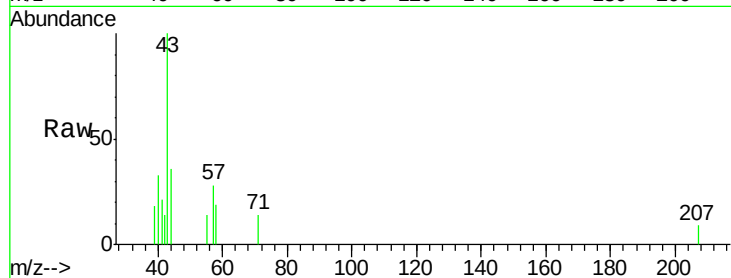
FESB-34-(4.5-5)

Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

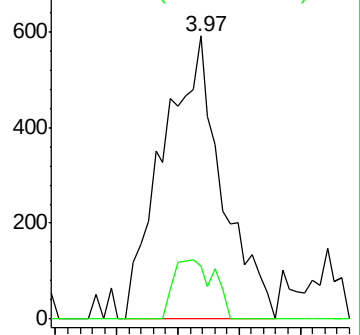
43 100

58 18.8 25.8 38.6#

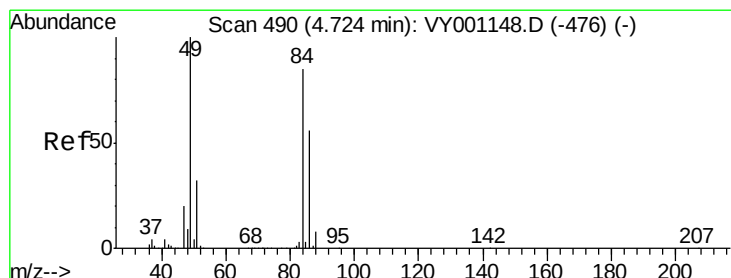
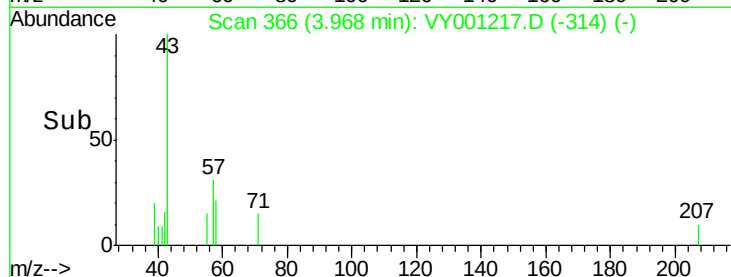


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Tgt Ion: 84 Resp: 6669

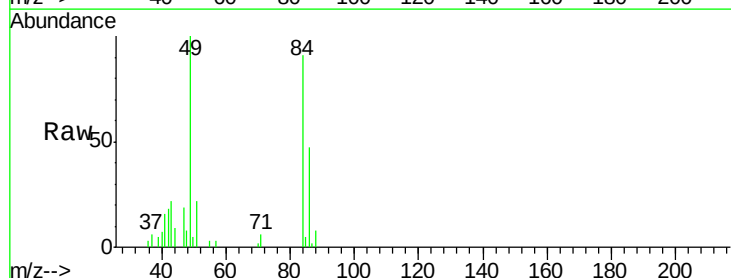
Ion Ratio Lower Upper

84 100

49 109.6 93.8 140.6

51 23.8 29.9 44.9#

86 51.3 52.6 78.8#

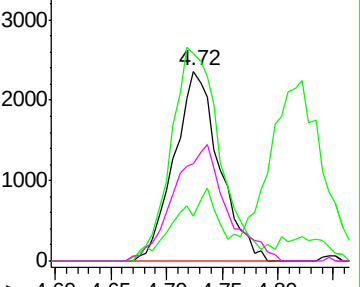


Abundance Ion 83.90 (83.60 to 84.60): VY0

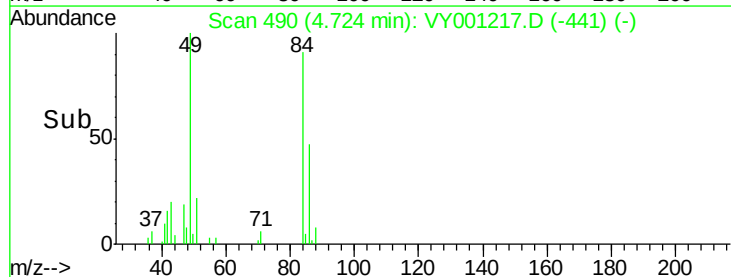
Ion 48.90 (48.60 to 49.60): VY0

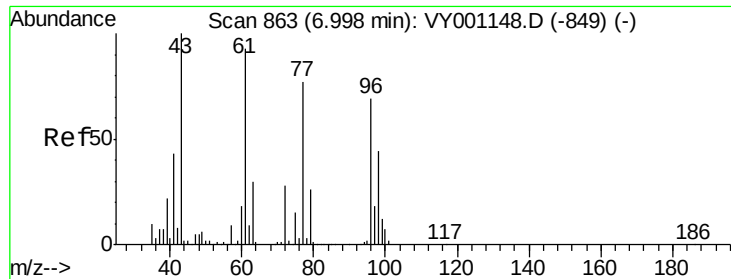
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#25

2-Butanone

Concen: 11.300 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

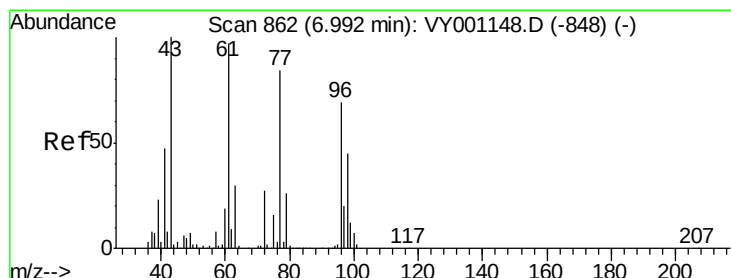
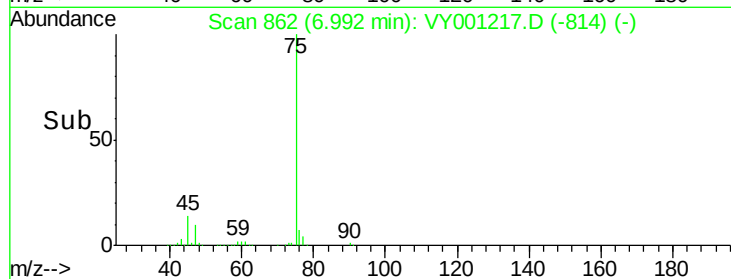
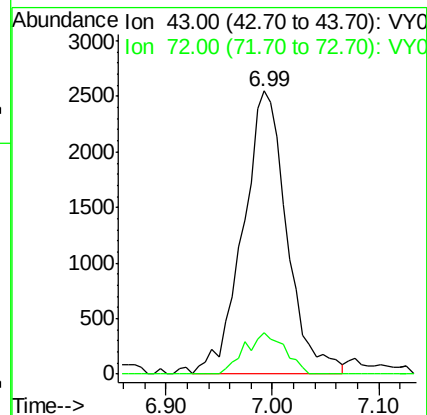
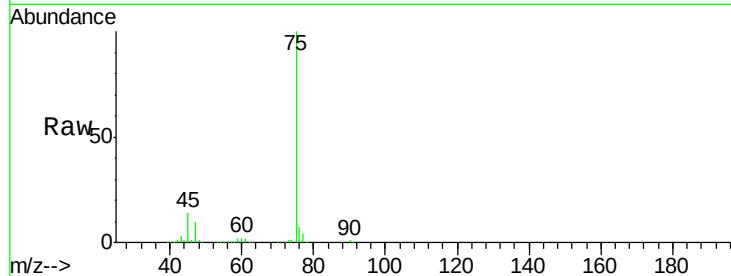
FESB-34-(4.5-5)

Tgt Ion: 43 Resp: 7371

Ion Ratio Lower Upper

43 100

72 14.5 22.2 33.2#



#26

2,2-Dichloropropane

Concen: 3.426 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001217.D

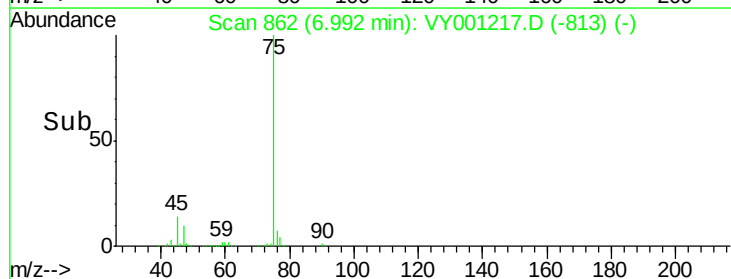
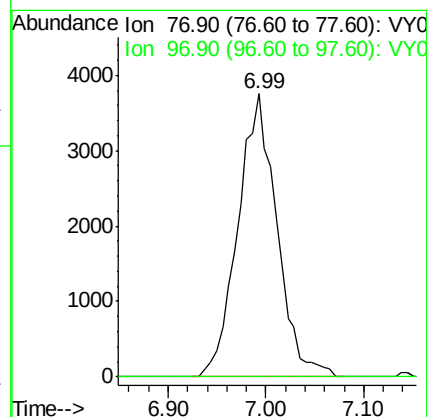
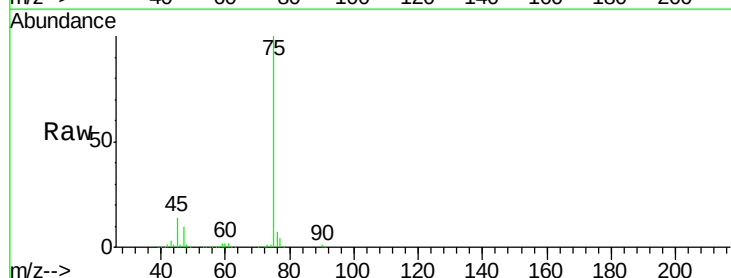
Acq: 15 Jan 2020 14:55

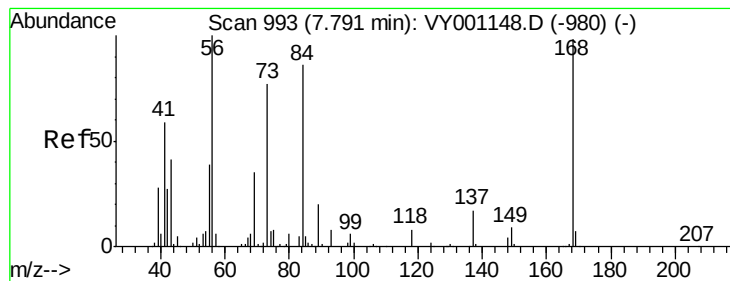
Tgt Ion: 77 Resp: 10385

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

FESB-34-(4.5-5)

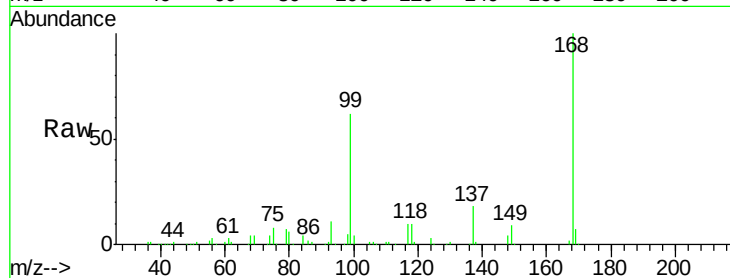
Tgt Ion: 56 Resp: 3946

Ion Ratio Lower Upper

56 100

69 135.4 27.8 41.8#

84 121.3 68.9 103.3#

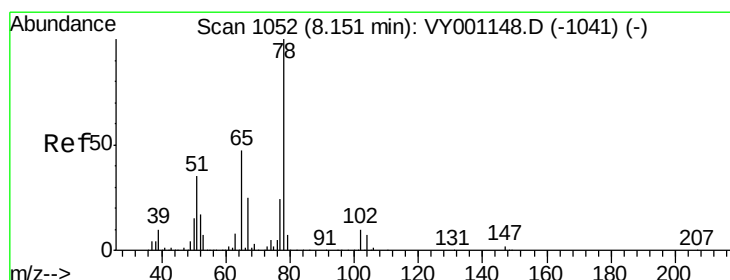
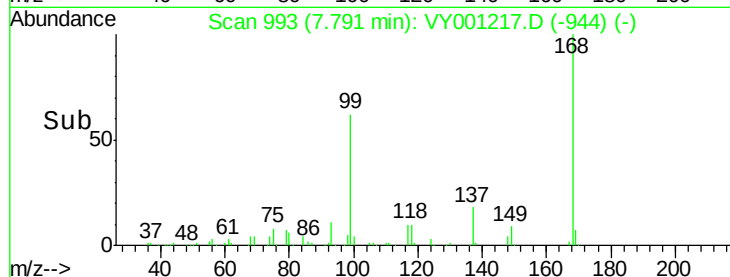
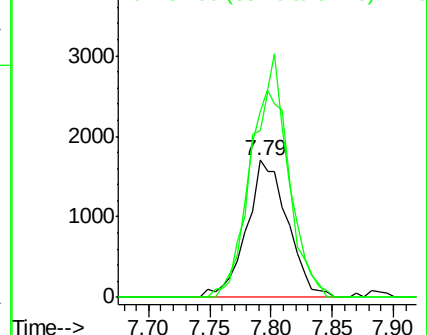


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 51.619 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001217.D

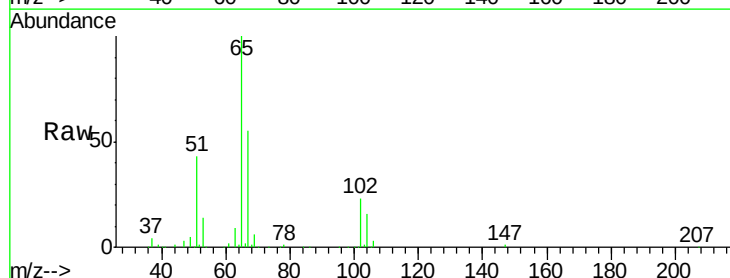
Acq: 15 Jan 2020 14:55

Tgt Ion: 65 Resp: 93157

Ion Ratio Lower Upper

65 100

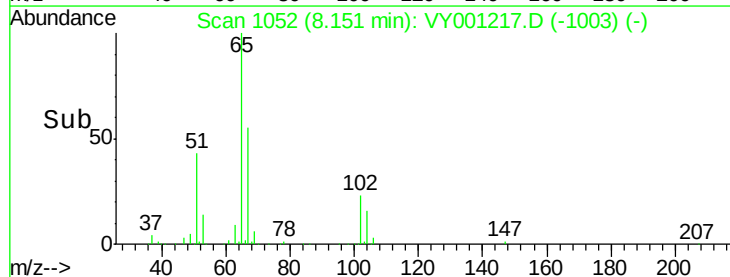
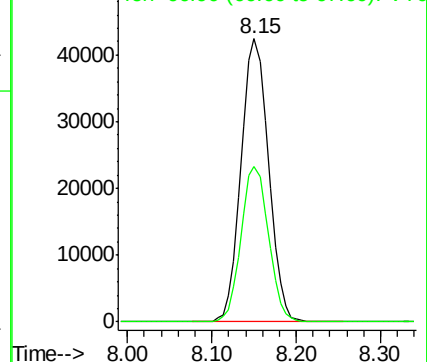
67 54.7 0.0 105.2

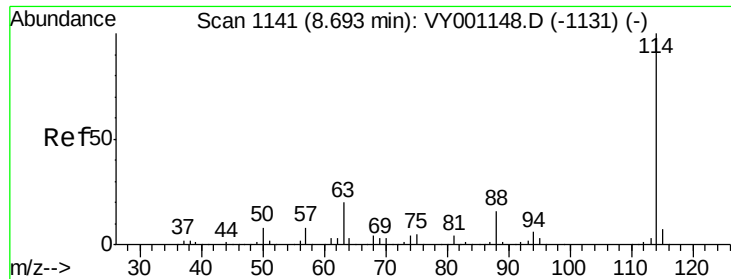


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

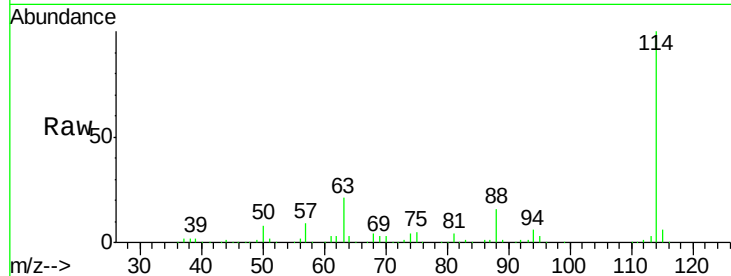




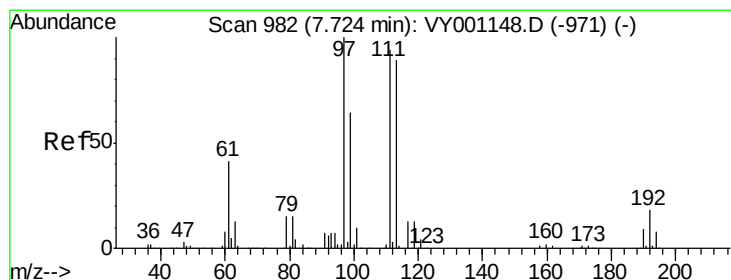
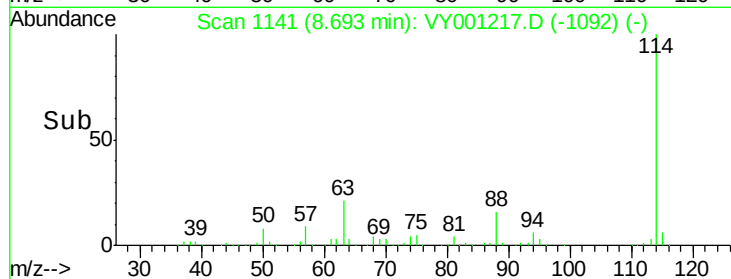
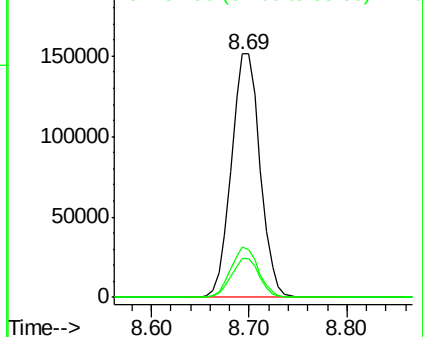
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001217.D
 Acq: 15 Jan 2020 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 FESB-34-(4.5-5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.8	0.0	32.4

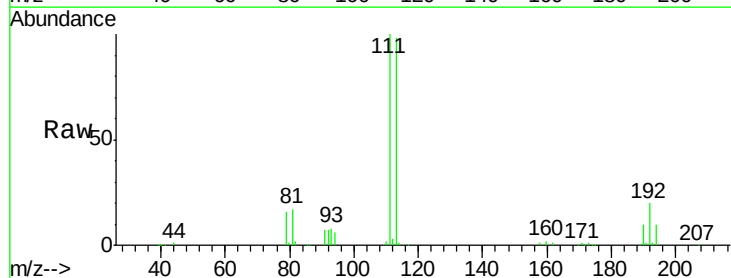


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

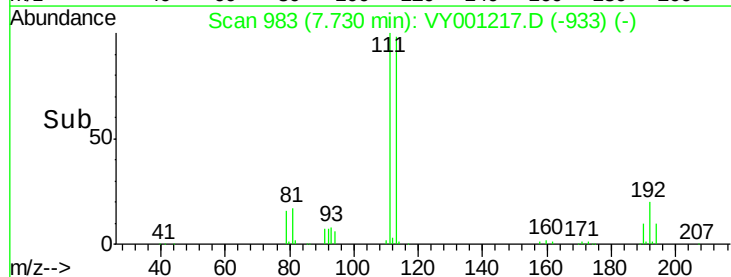
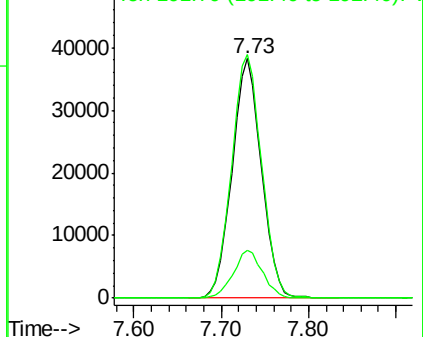


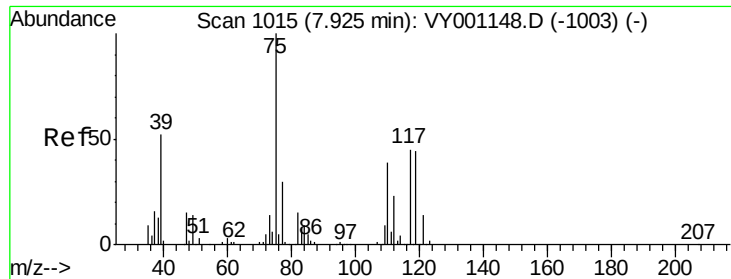
#35
 Dibromofluoromethane
 Concen: 49.552 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001217.D
 Acq: 15 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.9	124.3
192	19.8	15.4	23.2



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

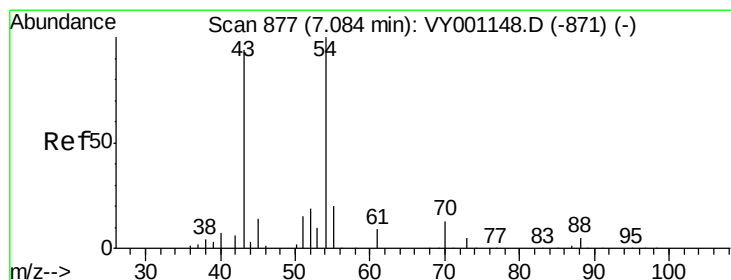
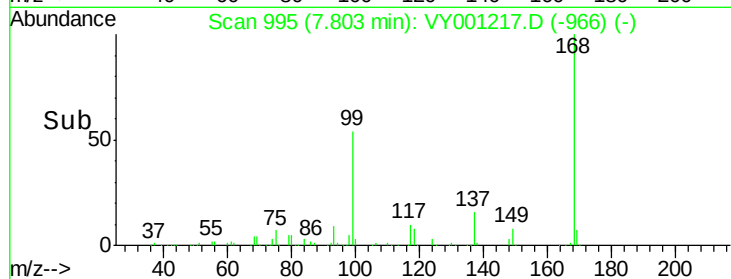
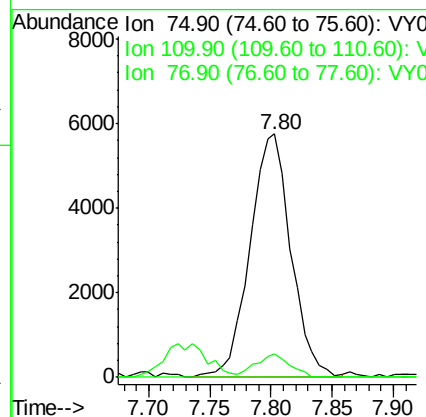
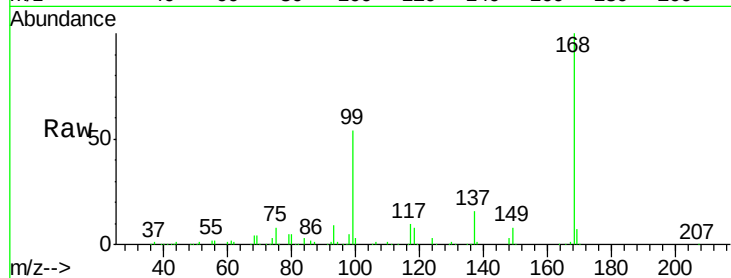




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001217.D
 Acq: 15 Jan 2020 14:55

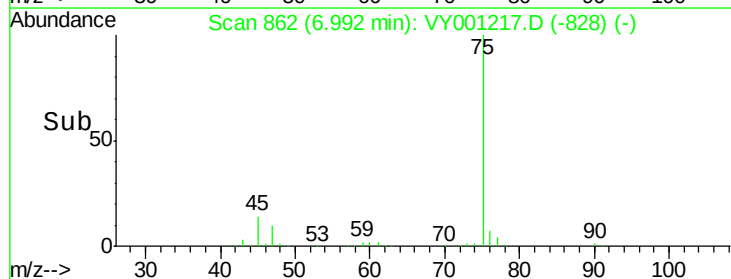
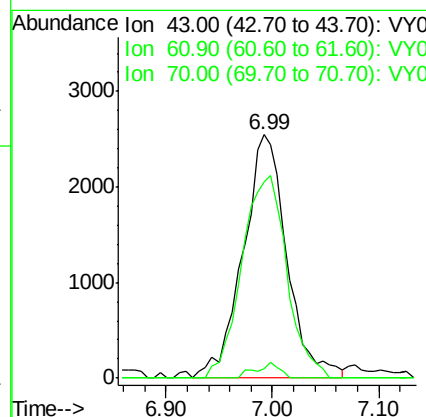
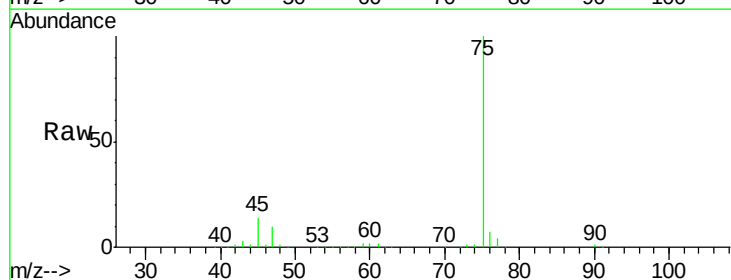
Instrument :
 MSVOA_Y
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 FESB-34-(4.5-5)

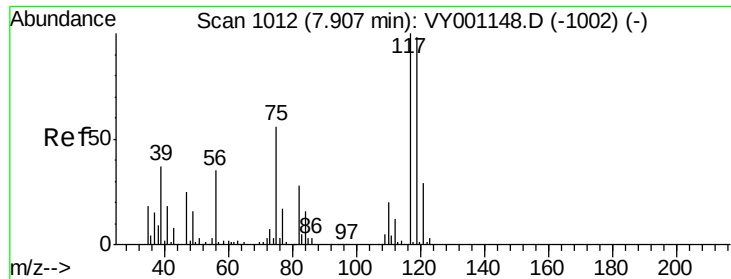
Tgt Ion: 75 Resp: 13418
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.3 54.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 4.489 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VY001217.D
 Acq: 15 Jan 2020 14:55

Tgt Ion: 43 Resp: 7371
 Ion Ratio Lower Upper
 43 100
 61 85.0 11.1 16.7#
 70 3.5 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 6.342 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

FESB-34-(4.5-5)

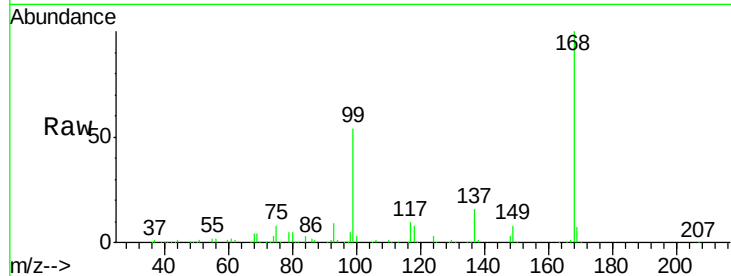
Tgt Ion:117 Resp: 16262

Ion Ratio Lower Upper

117 100

119 4.6 78.3 117.5#

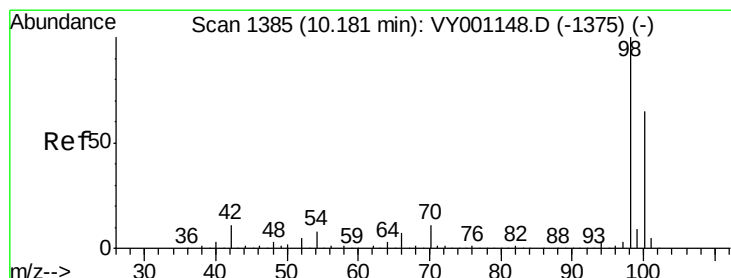
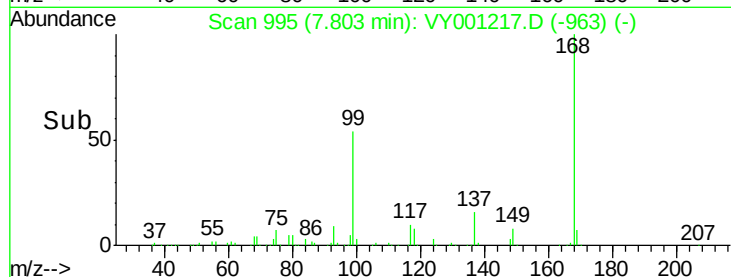
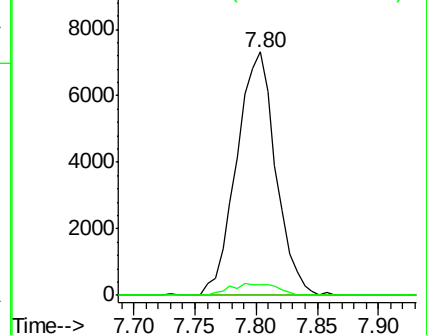
121 0.0 23.5 35.3#



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: 51.896 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001217.D

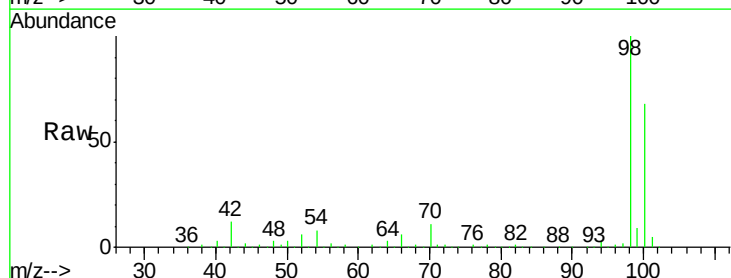
Acq: 15 Jan 2020 14:55

Tgt Ion: 98 Resp: 359416

Ion Ratio Lower Upper

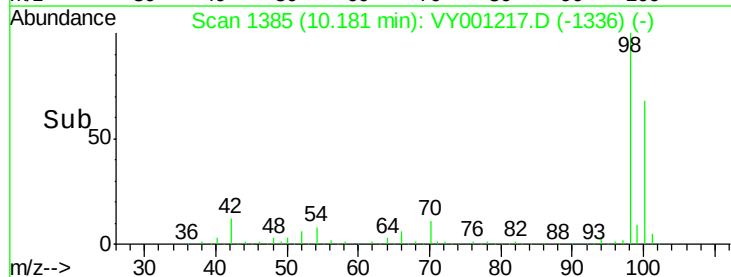
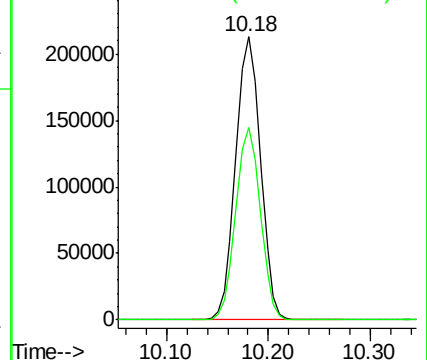
98 100

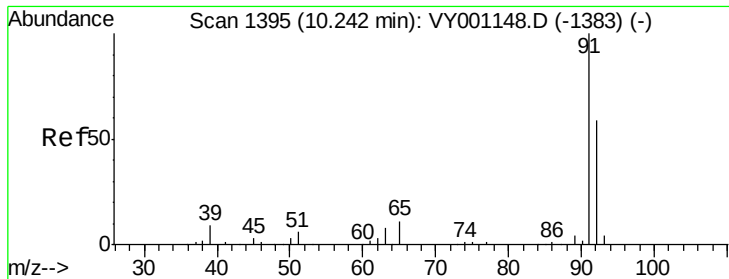
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.096 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

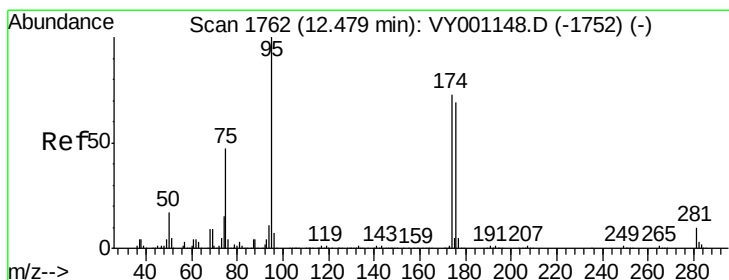
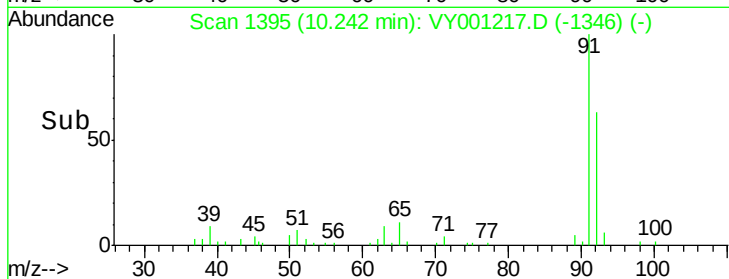
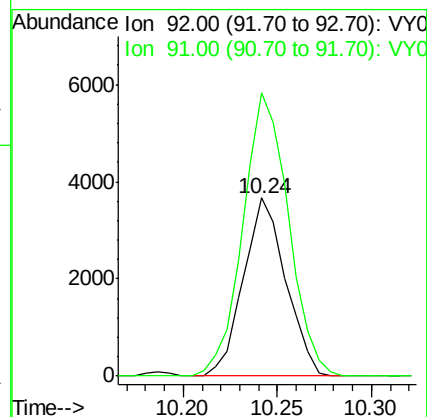
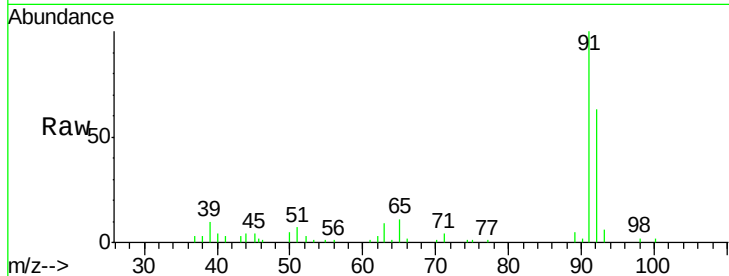
FESB-34-(4.5-5)

Tgt Ion: 92 Resp: 5711

Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 45.562 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

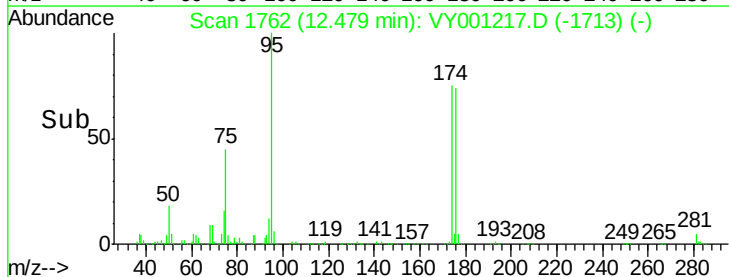
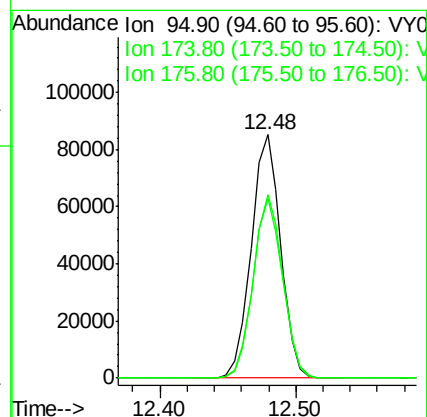
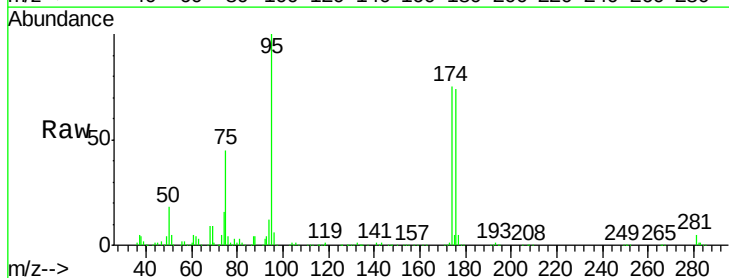
Tgt Ion: 95 Resp: 129004

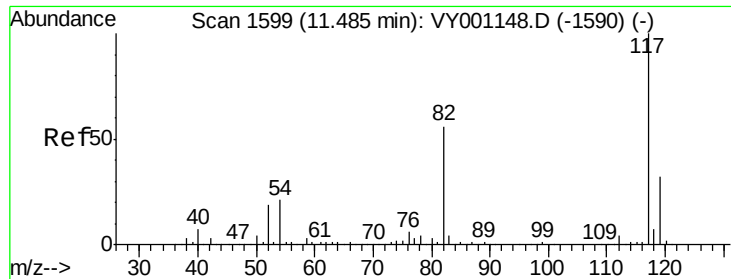
Ion Ratio Lower Upper

95 100

174 75.7 0.0 143.2

176 74.1 0.0 136.0

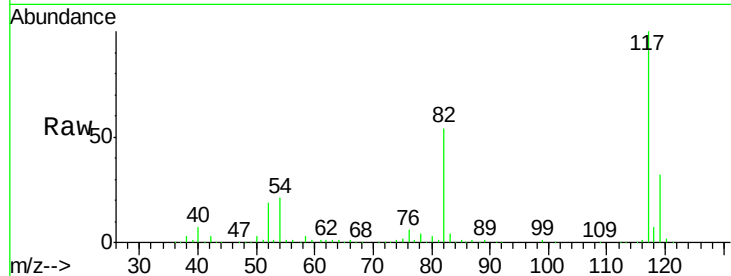




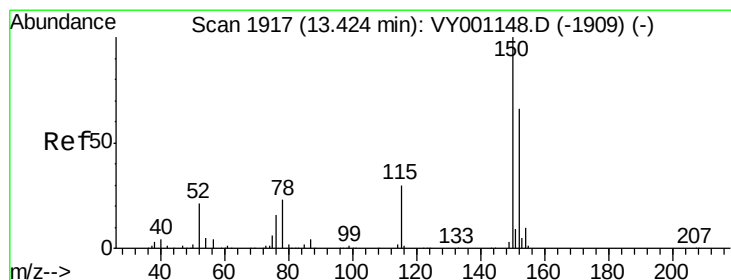
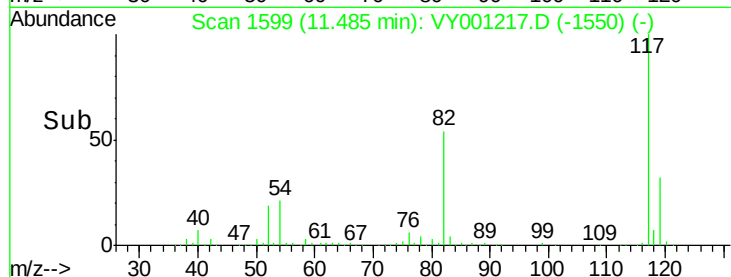
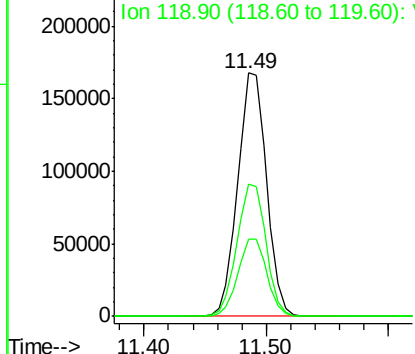
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001217.D
Acq: 15 Jan 2020 14:55

Instrument :
MSVOA_Y
ClientSampleId :
FESB-34-(4.5-5)

Tgt Ion:117 Resp: 273296
Ion Ratio Lower Upper
117 100
82 54.1 44.9 67.3
119 31.9 25.7 38.5

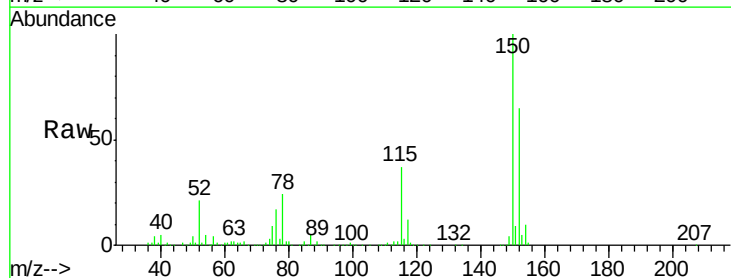


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

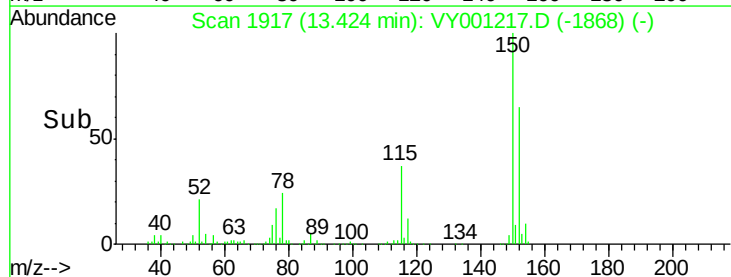
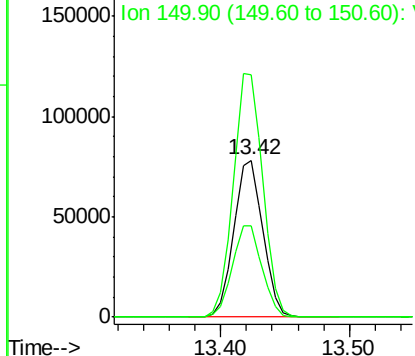


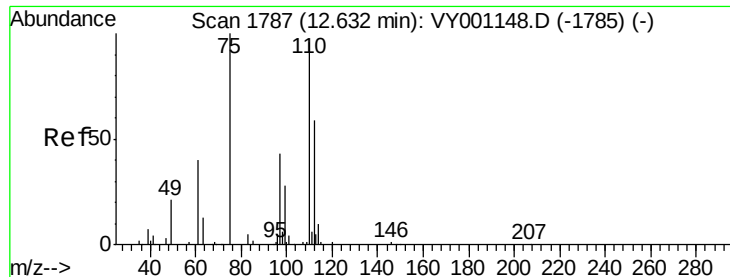
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001217.D
Acq: 15 Jan 2020 14:55

Tgt Ion:152 Resp: 122359
Ion Ratio Lower Upper
152 100
115 59.3 30.9 92.5
150 157.7 0.0 346.8



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: 47.081 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

Instrument :

MSVOA_Y

ClientSampleId :

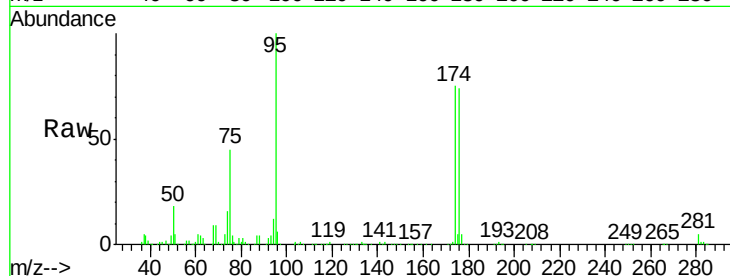
FESB-34-(4.5-5)

Tgt Ion: 75 Resp: 61670

Ion Ratio Lower Upper

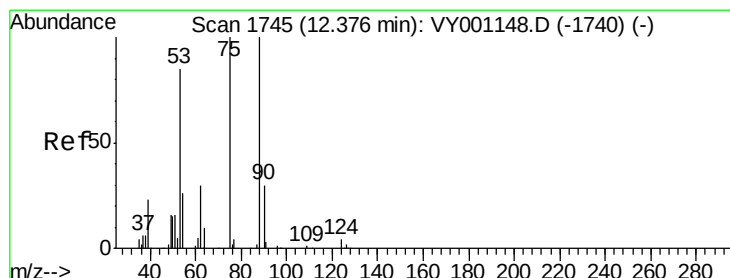
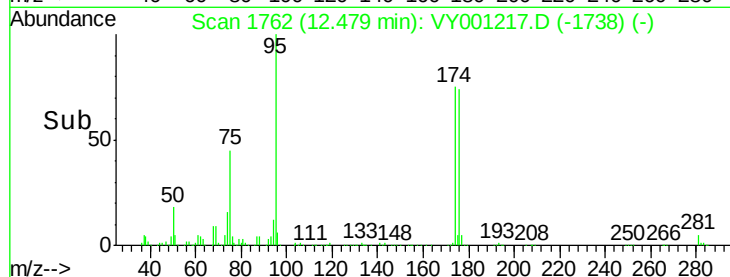
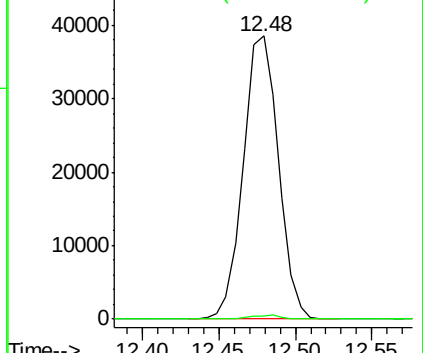
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 79.839 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001217.D

Acq: 15 Jan 2020 14:55

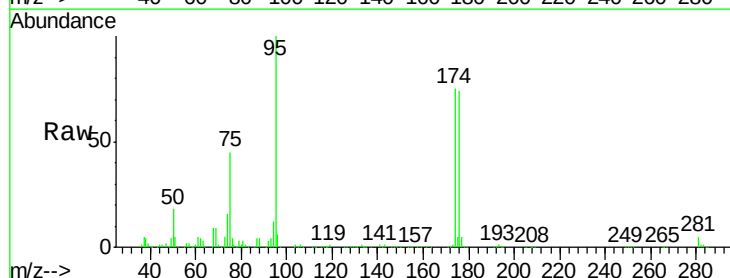
Tgt Ion: 75 Resp: 61670

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

