

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001219.D
 Acq On : 15 Jan 2020 15:39
 Operator : SY/MD
 Sample : L1125-05
 Misc : 7.37G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FESB-33-(3.5-4)

Quant Time: Jan 16 04:50:57 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

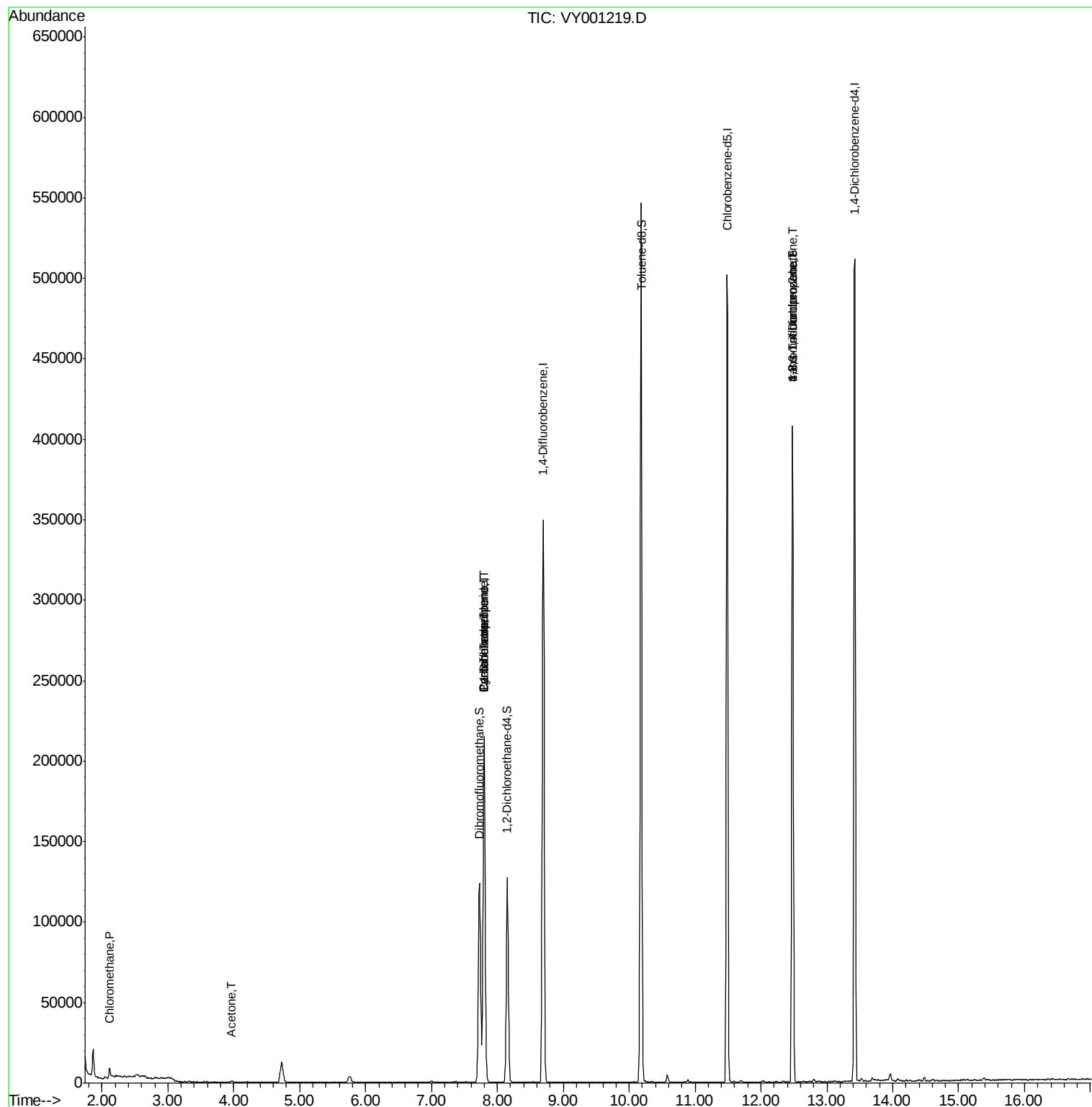
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	169360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	305097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	275492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	131457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	93778	52.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.86%	
35) Dibromofluoromethane	7.73	113	89751	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	10.18	98	357909	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.48	95	134148	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
Target Compounds						
3) Chloromethane	2.12	50	5220	2.784	ug/l	95
16) Acetone	3.96	43	1583	3.811	ug/l	89
20) Methylene Chloride	4.72	84	9364	Below Cal		89
31) Cyclohexane	7.80	56	3467	1.002	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	13055	4.695	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16017	6.285	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	63800	45.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	63800	76.881	ug/l #	6

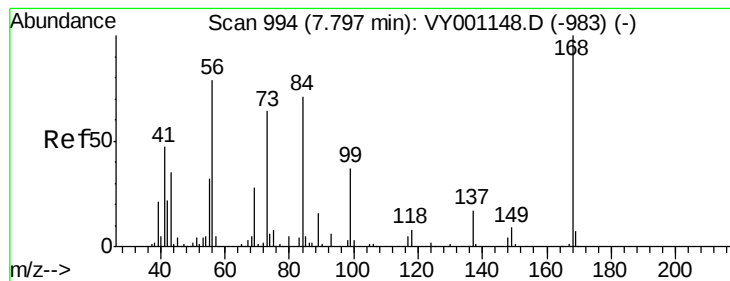
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FESB-33-(3.5-4)

Quant Time: Jan 16 04:50:57 2020
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QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

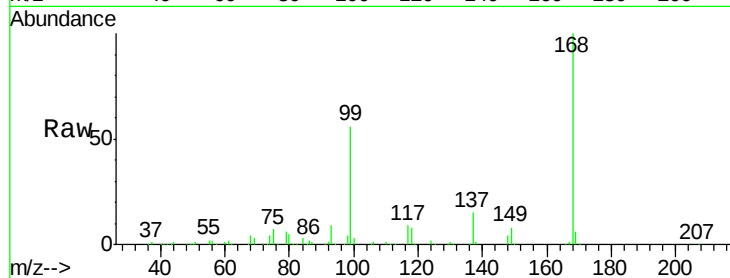
FESB-33-(3.5-4)

Tgt Ion:168 Resp: 169360

Ion Ratio Lower Upper

168 100

99 55.7 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

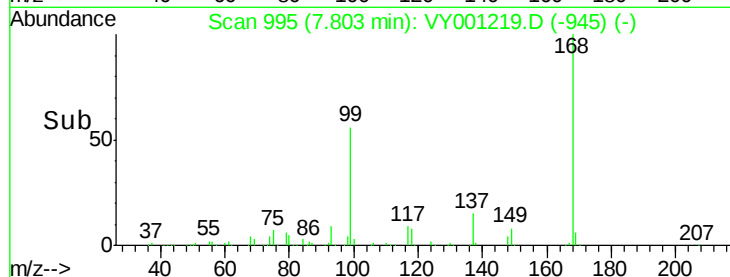
20000

0

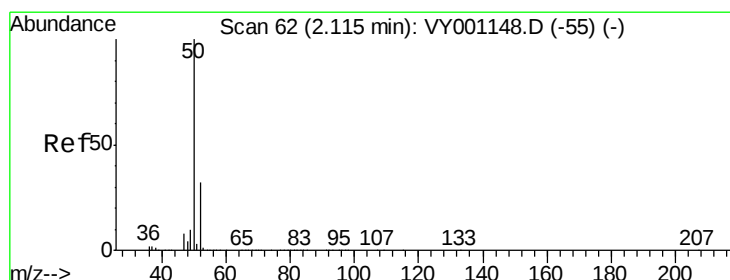
7.70

7.80

7.90



Time-->



#3

Chloromethane

Concen: 2.784 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001219.D

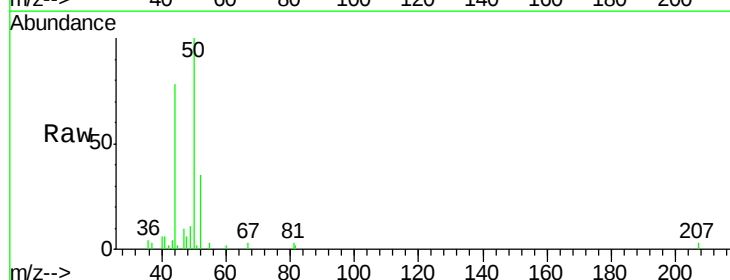
Acq: 15 Jan 2020 15:39

Tgt Ion: 50 Resp: 5220

Ion Ratio Lower Upper

50 100

52 35.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001148.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001148.D (-55) (-)

2.12

3000

2000

1000

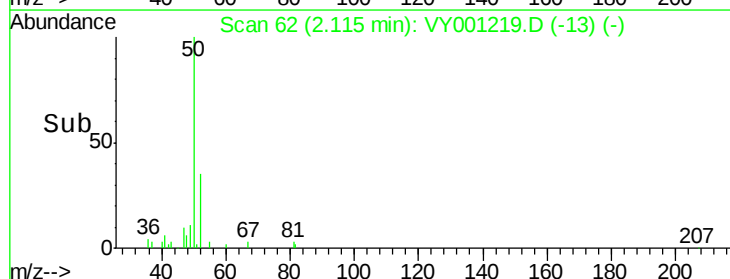
0

2.05

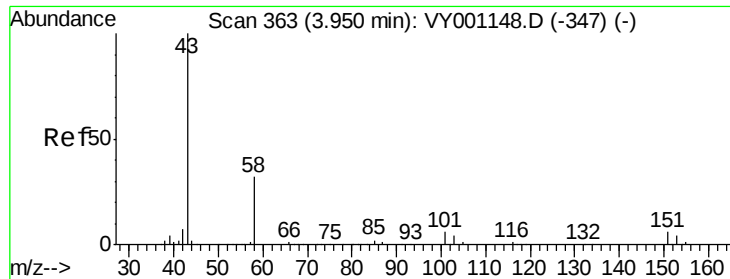
2.10

2.15

2.20



Time-->



#16

Acetone

Concen: 3.811 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

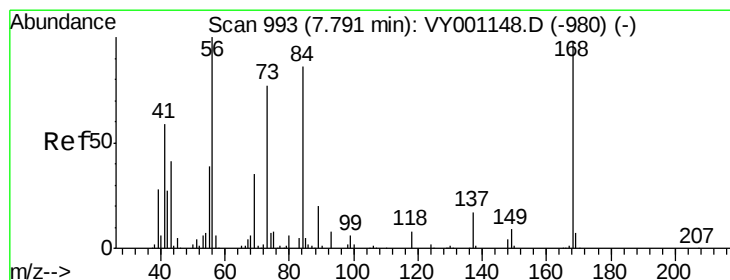
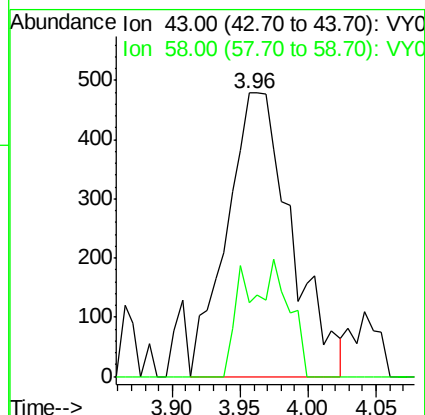
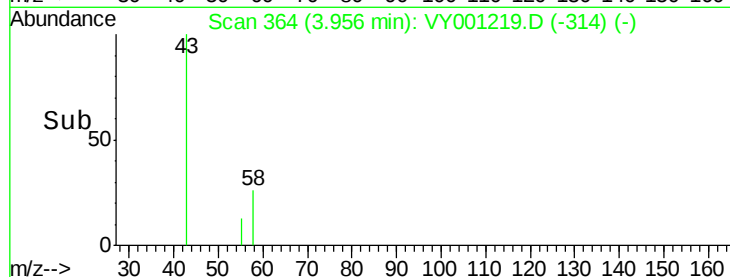
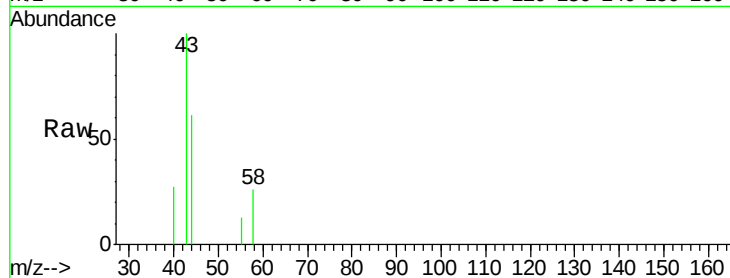
FESB-33-(3.5-4)

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

58 26.2 25.8 38.6



#31

Cyclohexane

Concen: 1.002 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

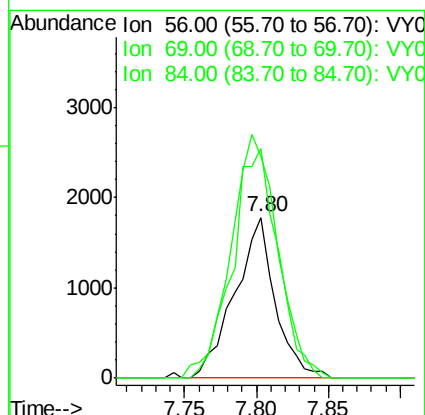
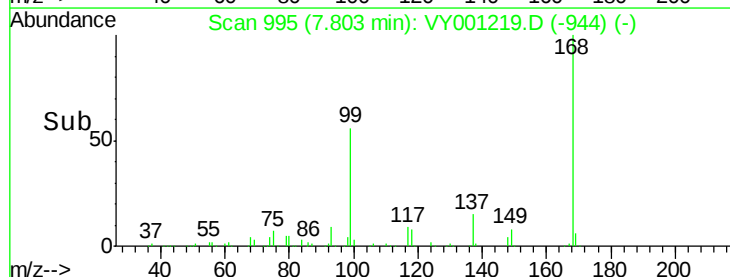
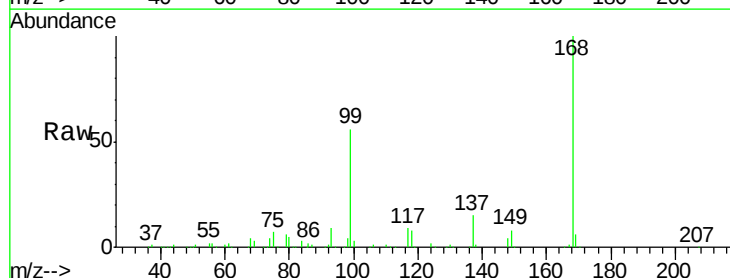
Tgt Ion: 56 Resp: 3467

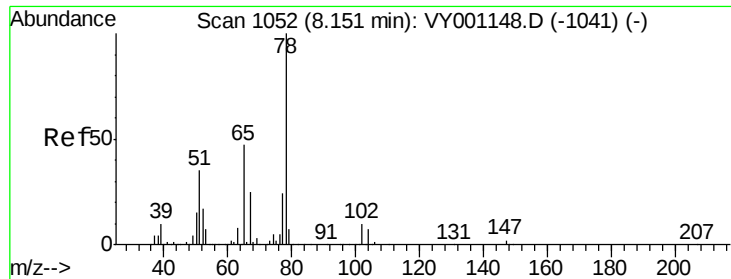
Ion Ratio Lower Upper

56 100

69 137.6 27.8 41.8#

84 142.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 52.427 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

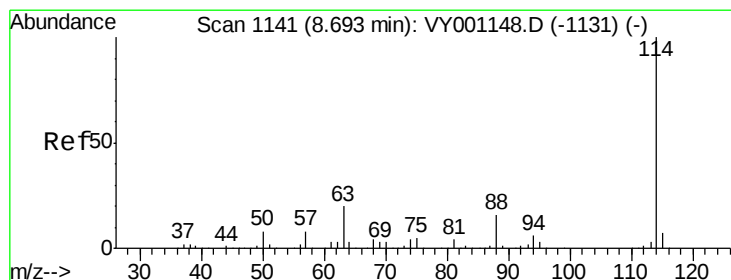
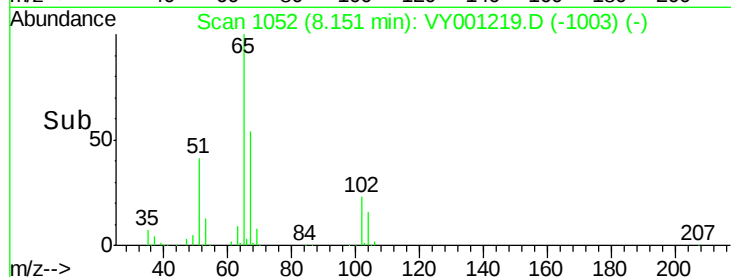
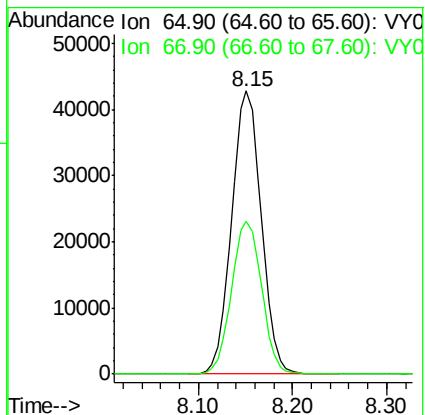
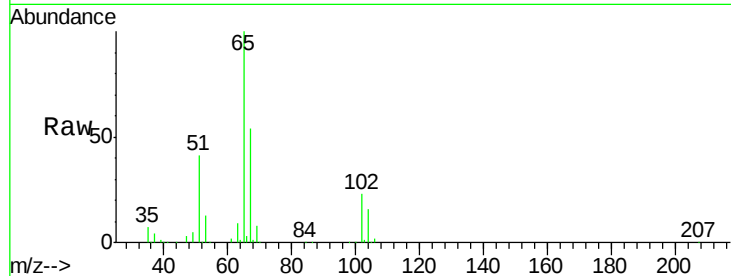
FESB-33-(3.5-4)

Tgt Ion: 65 Resp: 93778

Ion Ratio Lower Upper

65 100

67 54.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

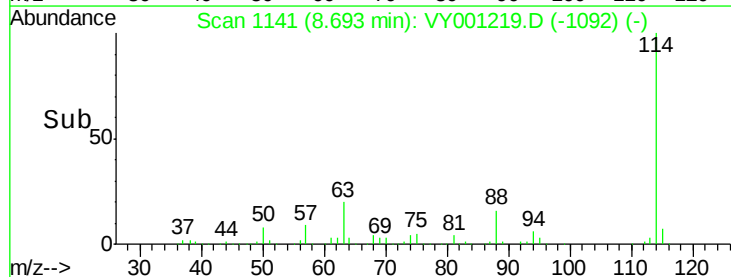
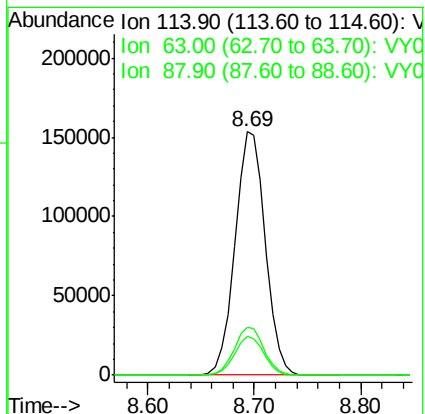
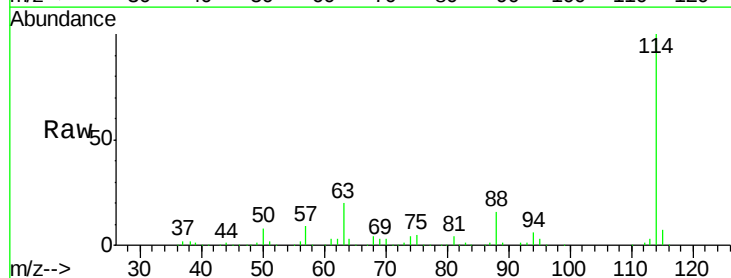
Tgt Ion: 114 Resp: 305097

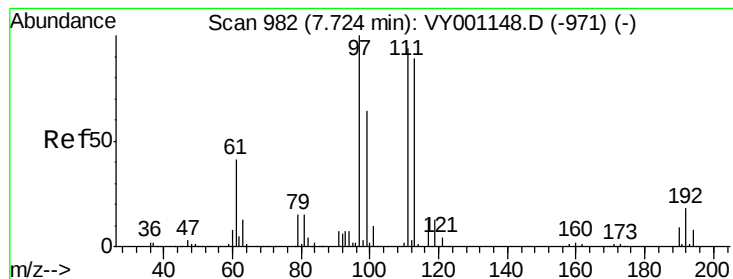
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.243 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

FESB-33-(3.5-4)

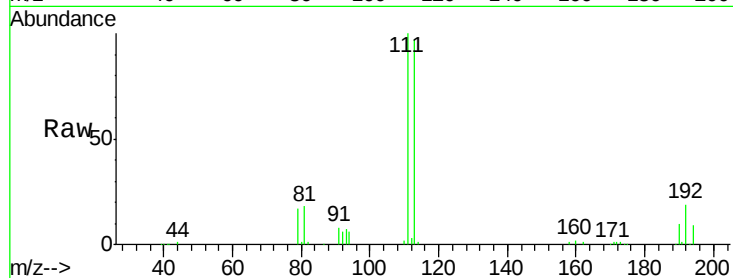
Tgt Ion:113 Resp: 89751

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

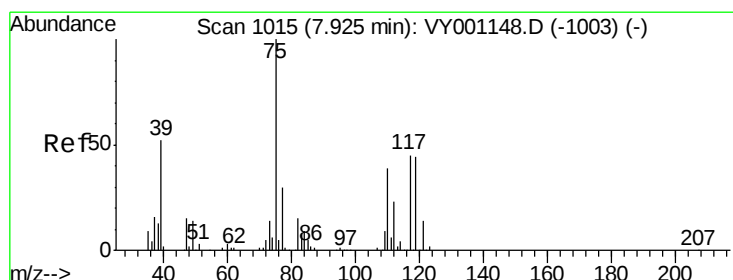
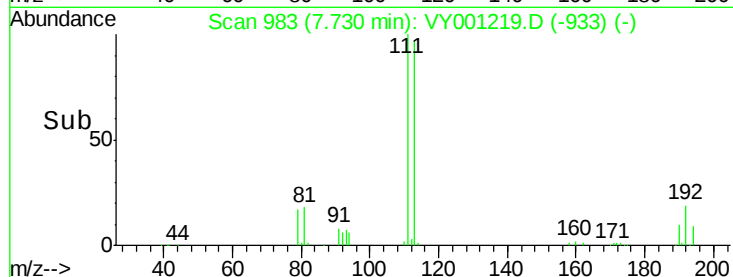
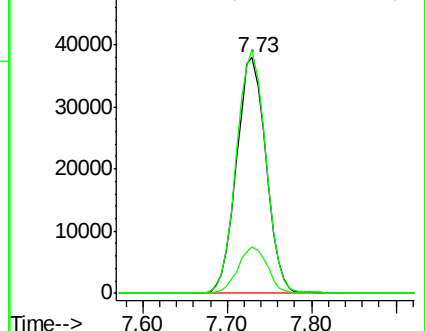
192 19.6 15.4 23.2



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: 4.695 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

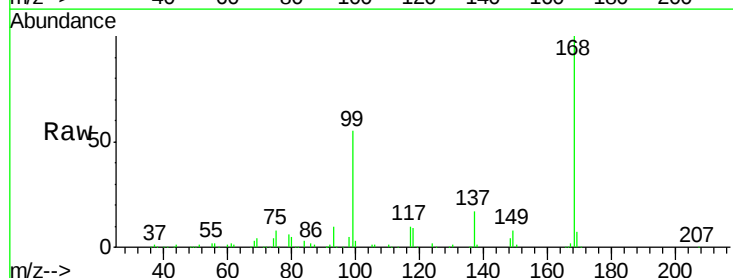
Tgt Ion: 75 Resp: 13055

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

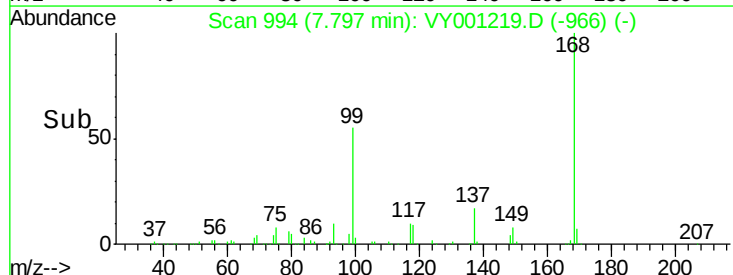
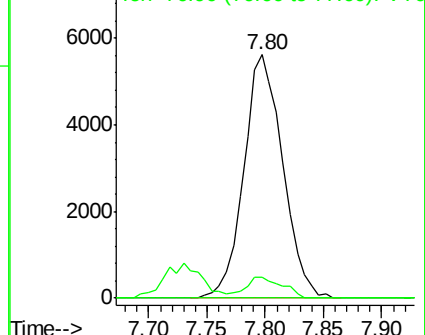
77 0.0 25.1 37.7#

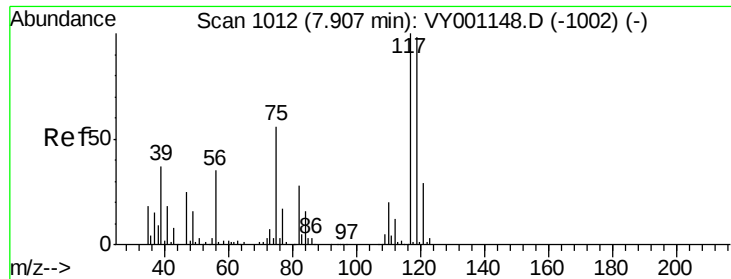


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

FESB-33-(3.5-4)

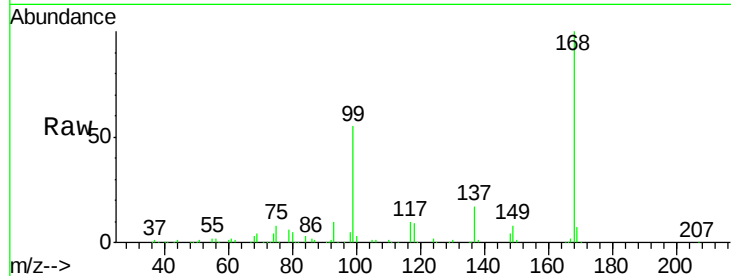
Tgt Ion:117 Resp: 16017

Ion Ratio Lower Upper

117 100

119 4.2 78.3 117.5#

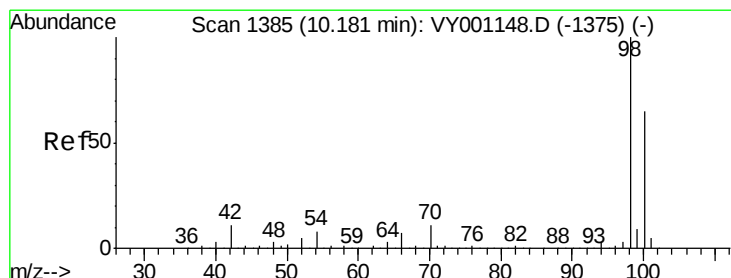
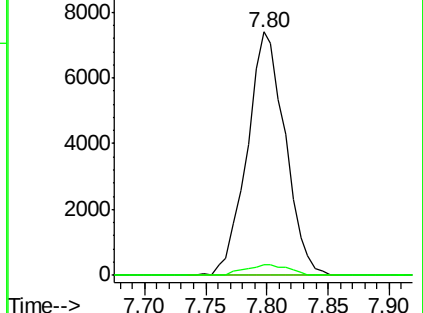
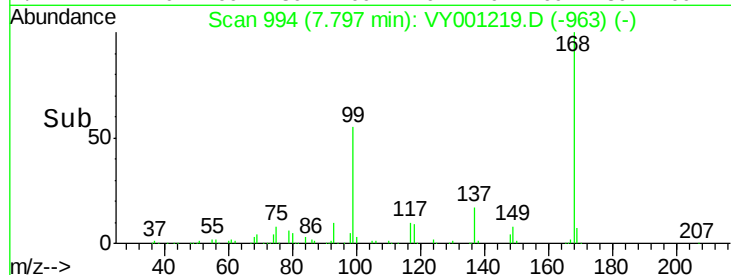
121 0.0 23.5 35.3#



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: 51.999 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001219.D

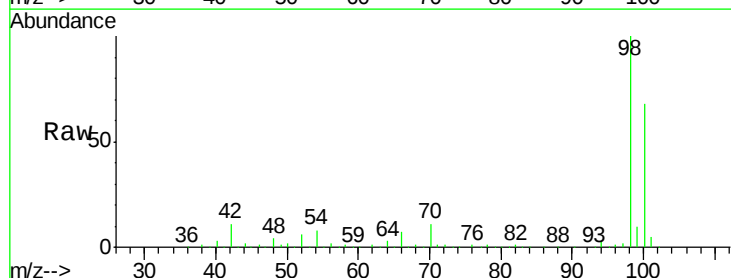
Acq: 15 Jan 2020 15:39

Tgt Ion: 98 Resp: 357909

Ion Ratio Lower Upper

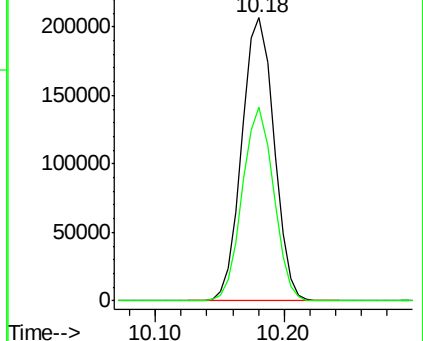
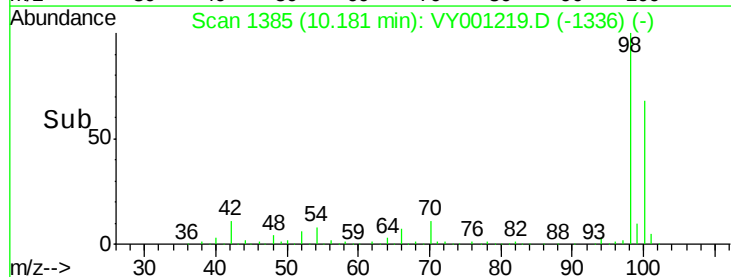
98 100

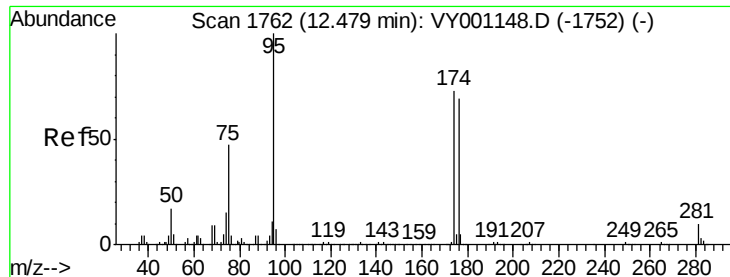
100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

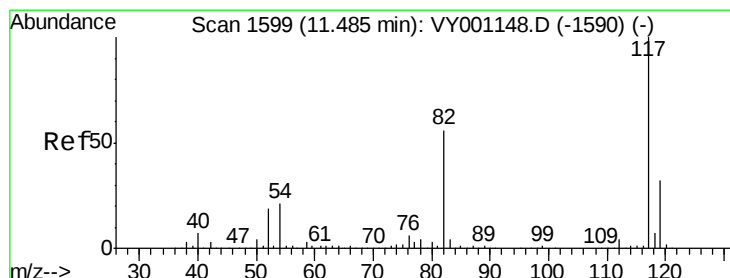
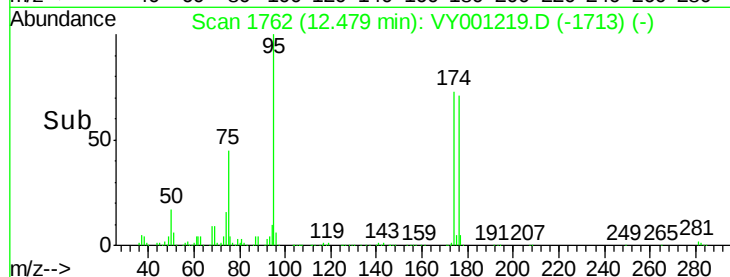
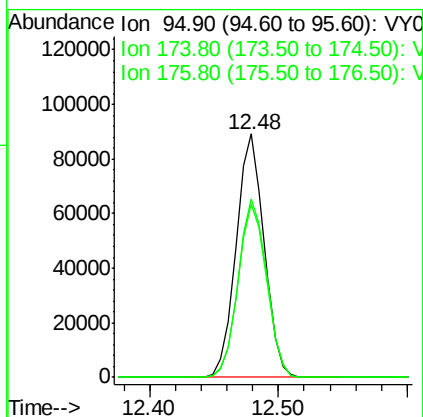
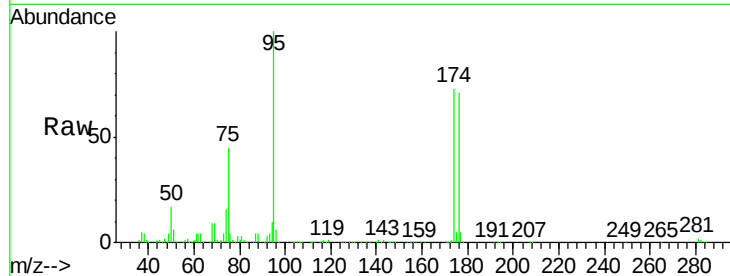




#62
4-Bromofluorobenzene
Concen: 47.672 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001219.D
Acq: 15 Jan 2020 15:39

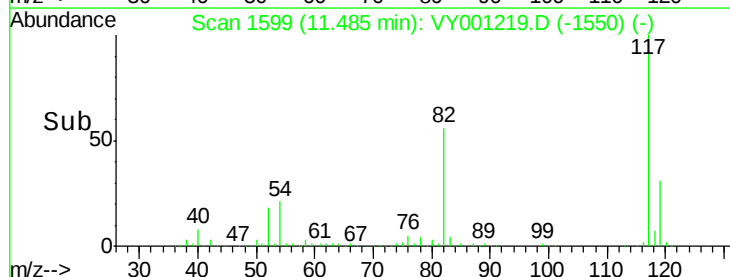
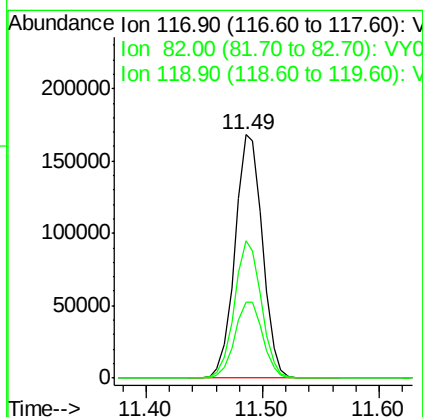
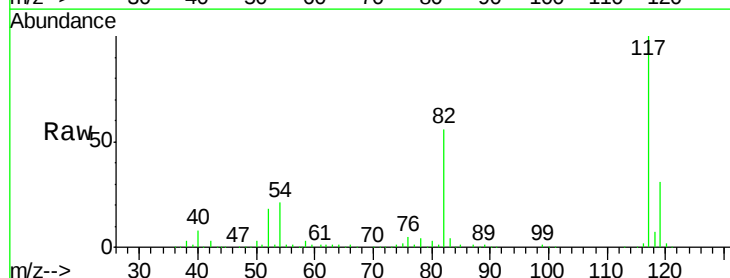
Instrument :
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FESB-33-(3.5-4)

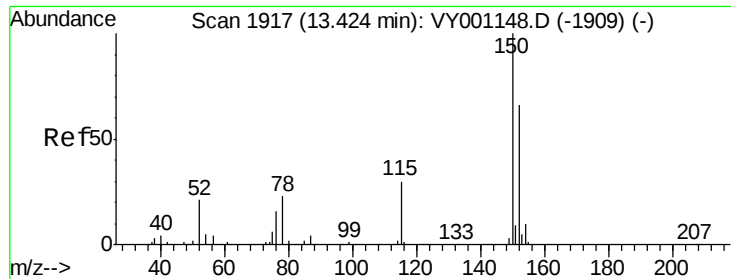
Tgt Ion: 95 Resp: 134148
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.2
176 72.3 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001219.D
Acq: 15 Jan 2020 15:39

Tgt Ion: 117 Resp: 275492
Ion Ratio Lower Upper
117 100
82 56.3 44.9 67.3
119 31.4 25.7 38.5



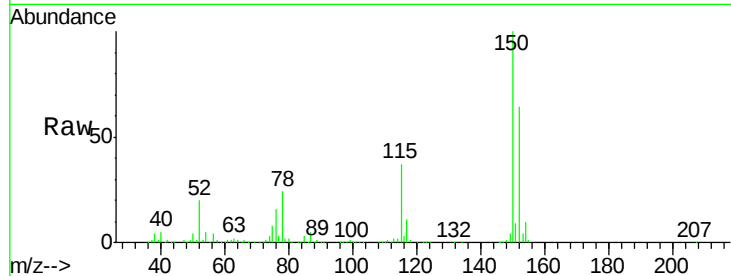


#72

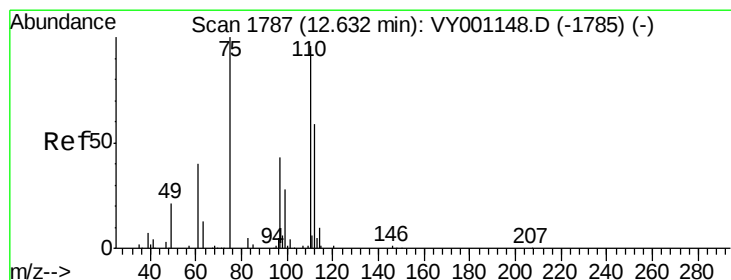
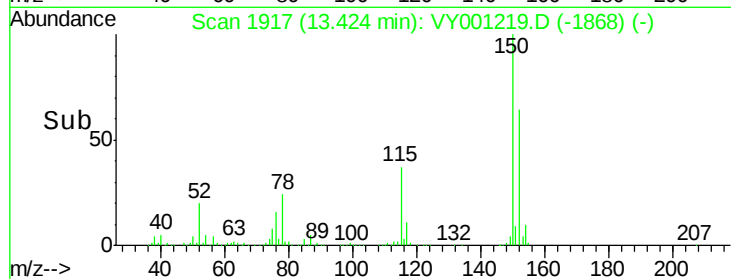
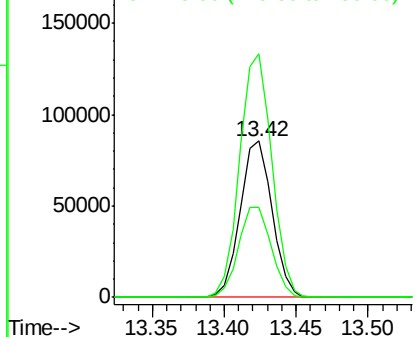
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001219.D
Acq: 15 Jan 2020 15:39

Instrument :
MSVOA_Y
ClientSampleId :
FESB-33-(3.5-4)

Tgt Ion:152 Resp: 131457
Ion Ratio Lower Upper
152 100
115 59.3 30.9 92.5
150 157.1 0.0 346.8



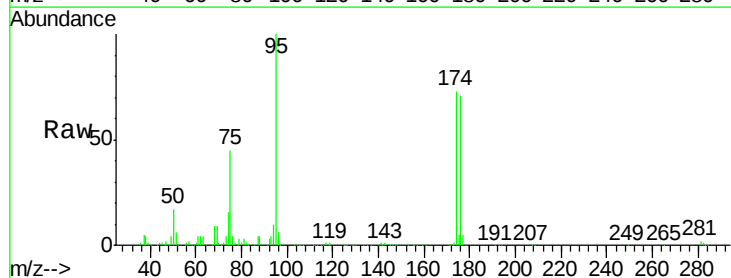
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



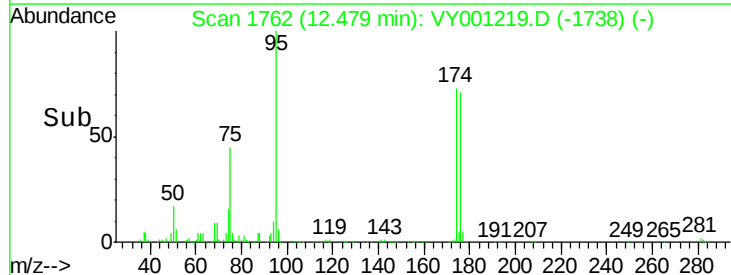
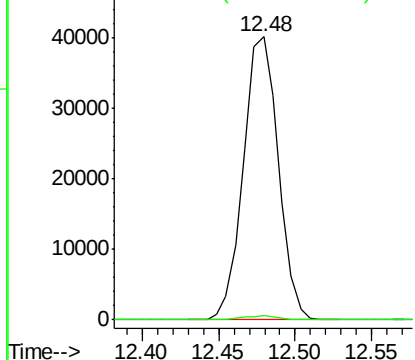
#76

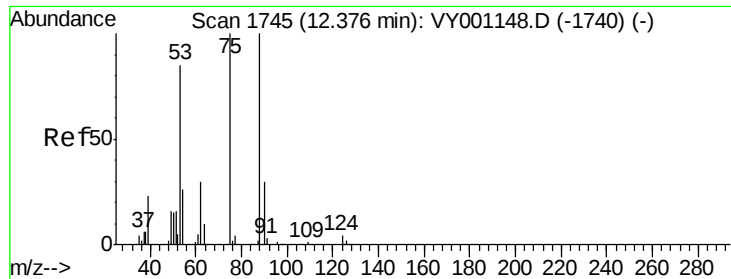
1,2,3-Trichloropropane
Concen: 45.336 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001219.D
Acq: 15 Jan 2020 15:39

Tgt Ion: 75 Resp: 63800
Ion Ratio Lower Upper
75 100
77 1.5 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: 76.881 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001219.D

Acq: 15 Jan 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

FESB-33-(3.5-4)

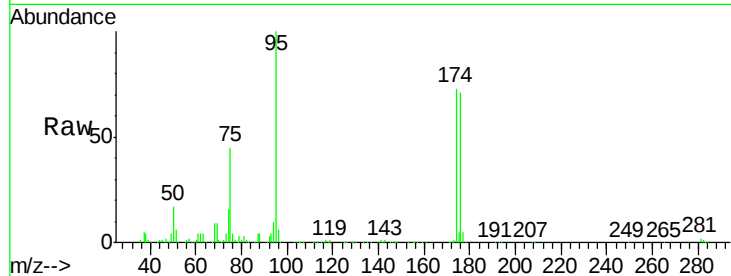
Tgt Ion: 75 Resp: 63800

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 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

