

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001094.D
 Acq On : 27 Dec 2019 13:53
 Operator : SY/MD
 Sample : K6439-16
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF013-01

Quant Time: Dec 30 01:00:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

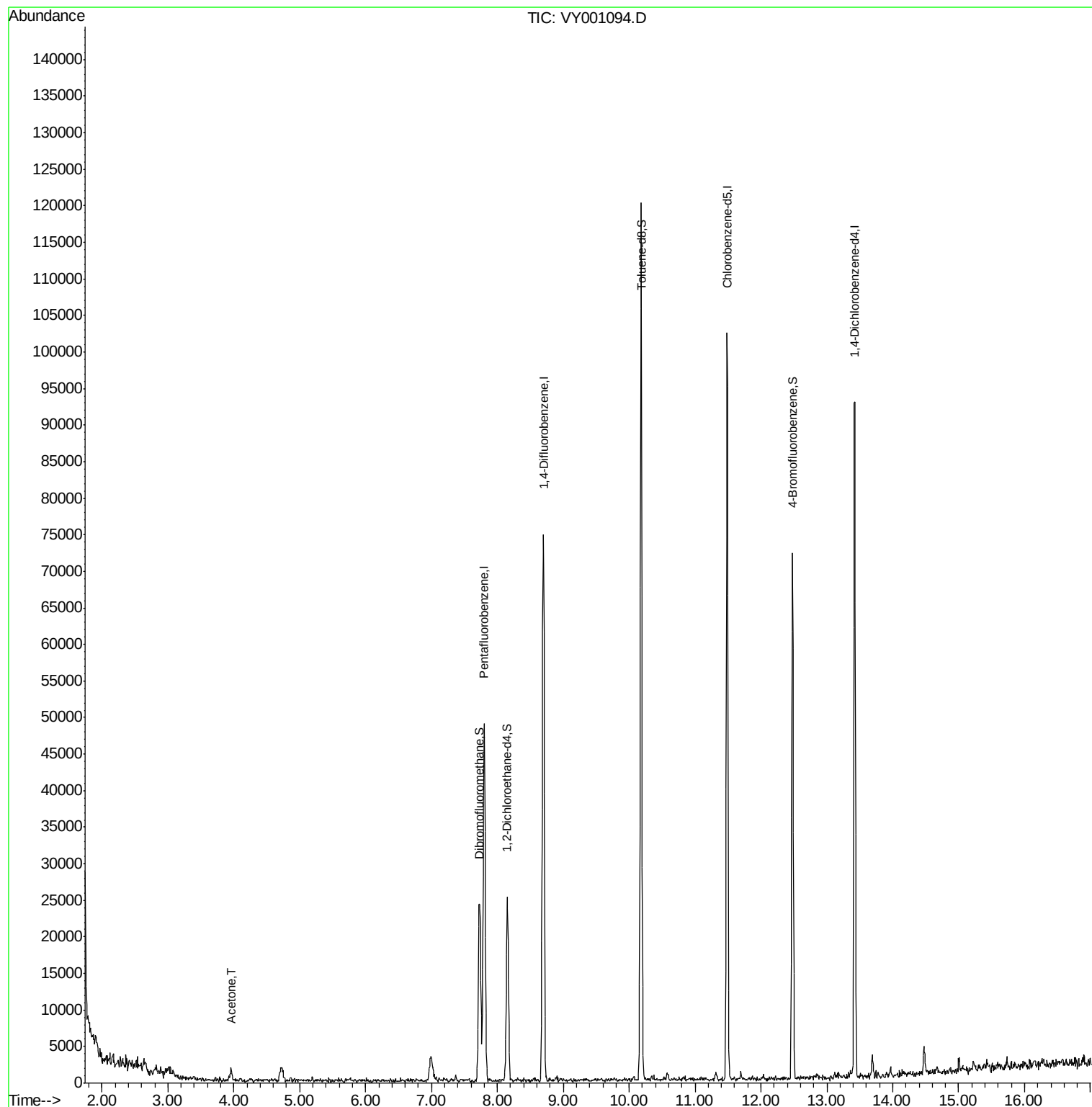
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	37211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	67833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	56458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	22602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	18760	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
35) Dibromofluoromethane	7.72	113	19731	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	10.18	98	76130	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.47	95	22881	40.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.18%	
Target Compounds						
16) Acetone	3.96	43	2376	28.102	ug/l #	78

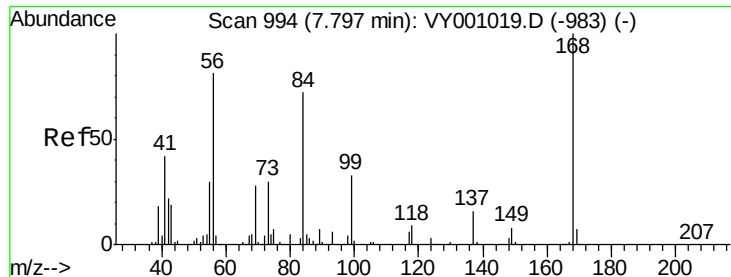
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001094.D

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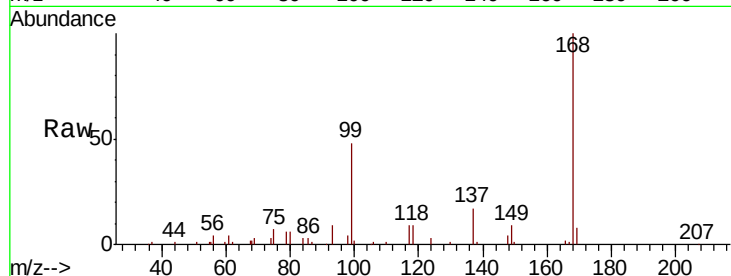
LIED-BF013-01

Tot Ion:168 Resp: 37211

Ion Ratio Lower Upper

168 100

99 48.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

15000

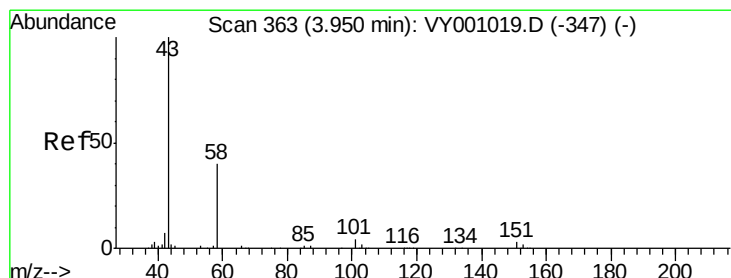
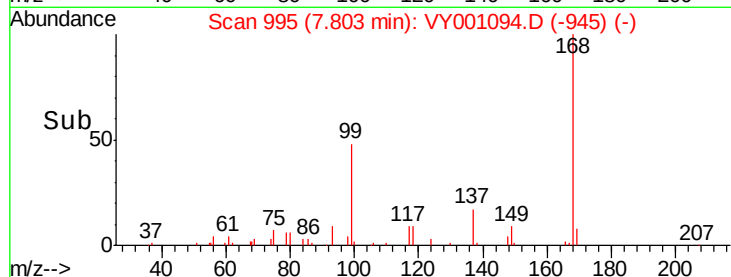
10000

5000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#16

Acetone

Concen: 28.102 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001094.D

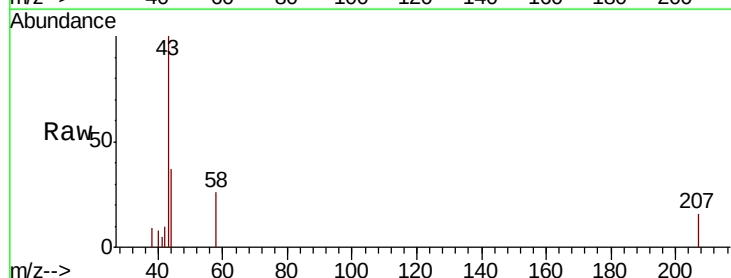
Acq: 27 Dec 2019 13:53

Tgt Ion: 43 Resp: 2376

Ion Ratio Lower Upper

43 100

58 26.5 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.96

1000

800

600

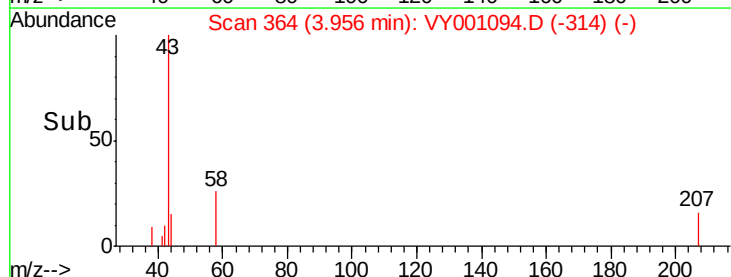
400

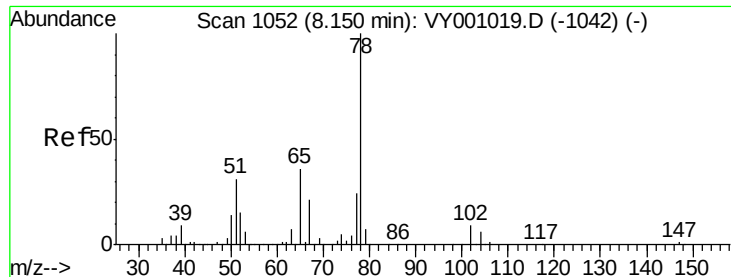
200

0

3.85 3.90 3.95 4.00 4.05

Time-->

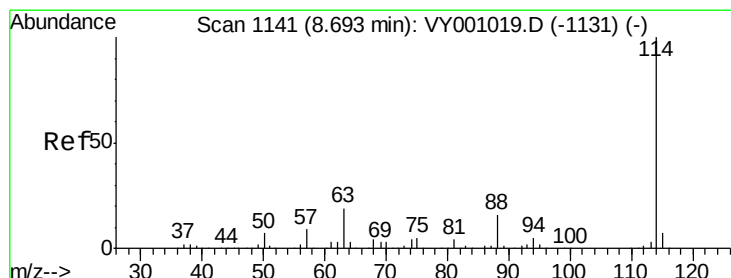
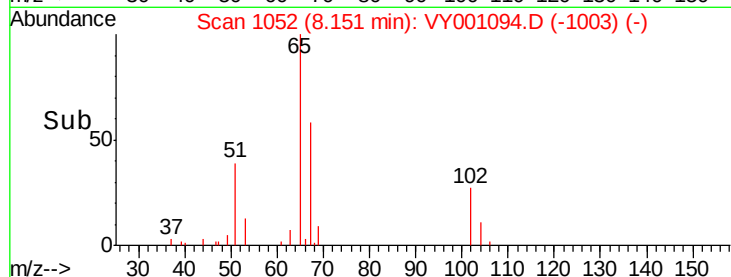
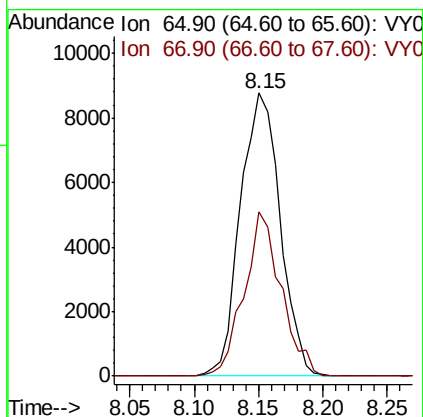
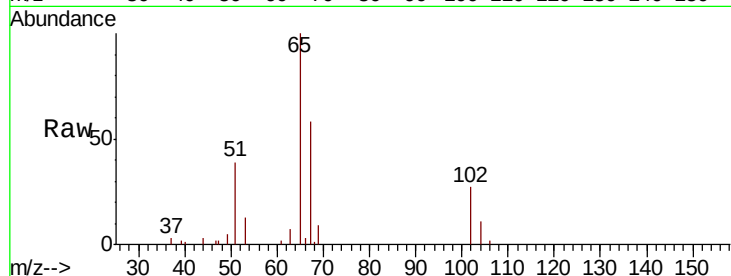




#33
 1,2-Dichloroethane-d4
 Concen: 51.117 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001094.D
 Acq: 27 Dec 2019 13:53

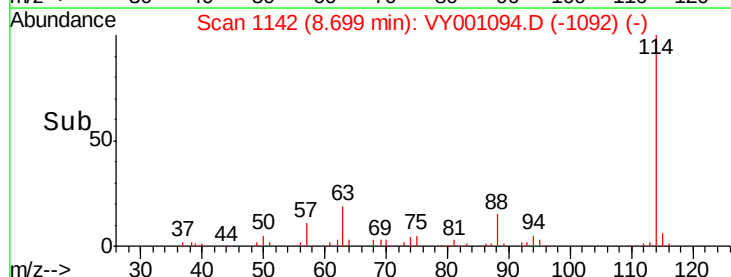
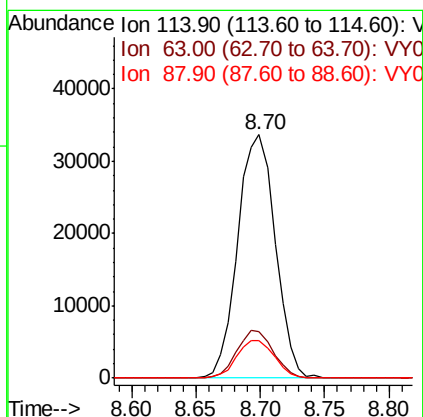
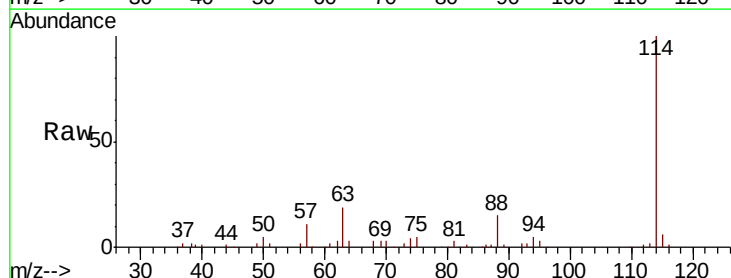
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF013-01

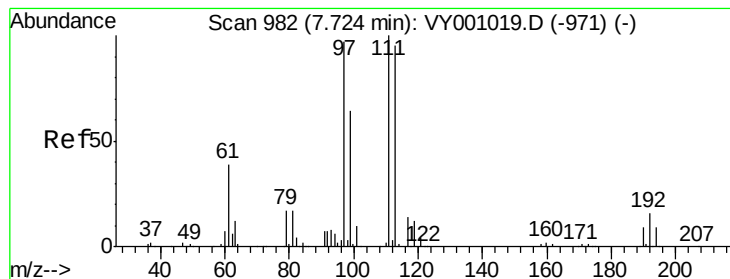
Tot Ion: 65 Resp: 18760
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001094.D
 Acq: 27 Dec 2019 13:53

Tgt Ion: 114 Resp: 67833
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.397 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001094.D

Acq: 27 Dec 2019 13:53

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF013-01

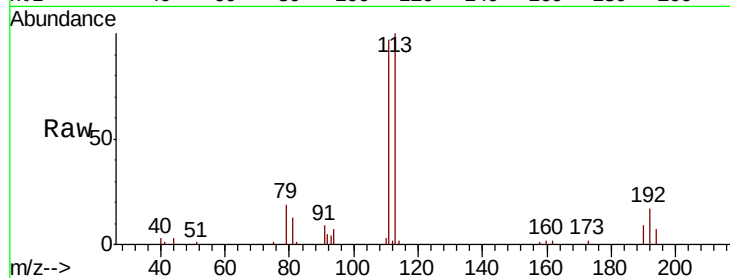
Tot Ion:113 Resp: 19731

Ion Ratio Lower Upper

113 100

111 100.5 83.0 124.4

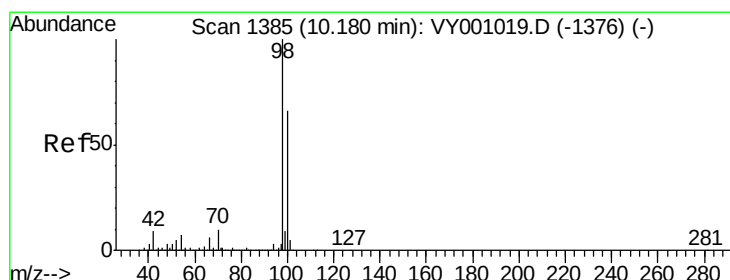
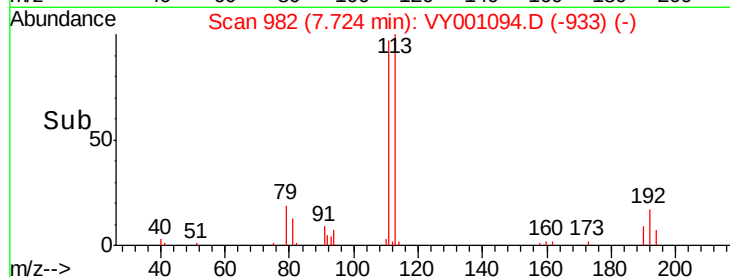
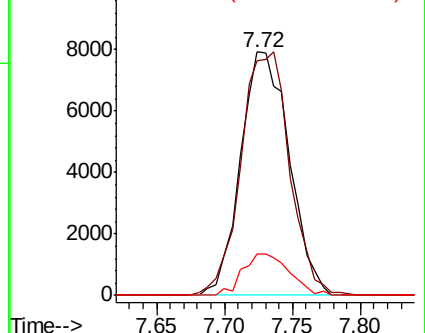
192 16.6 14.6 21.8



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



#50

Toluene-d8

Concen: 48.770 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001094.D

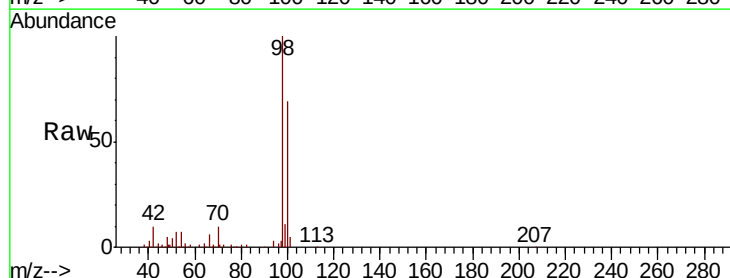
Acq: 27 Dec 2019 13:53

Tgt Ion: 98 Resp: 76130

Ion Ratio Lower Upper

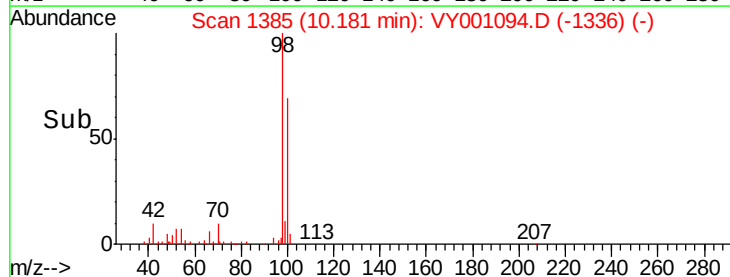
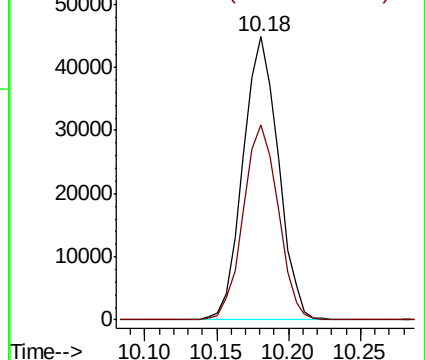
98 100

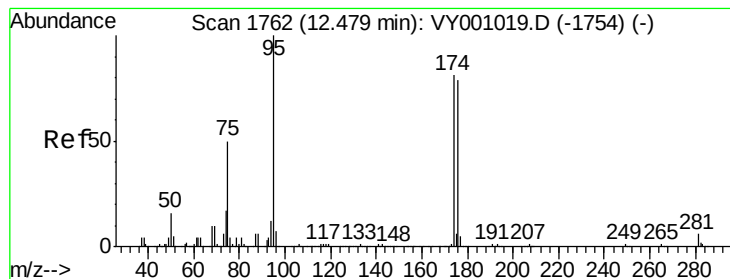
100 68.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 40.091 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY001094.D

Acq: 27 Dec 2019 13:53

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF013-01

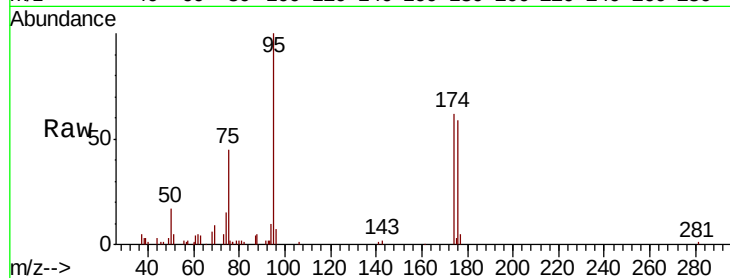
Tot Ion: 95 Resp: 22881

Ion Ratio Lower Upper

95 100

174 74.9 0.0 156.4

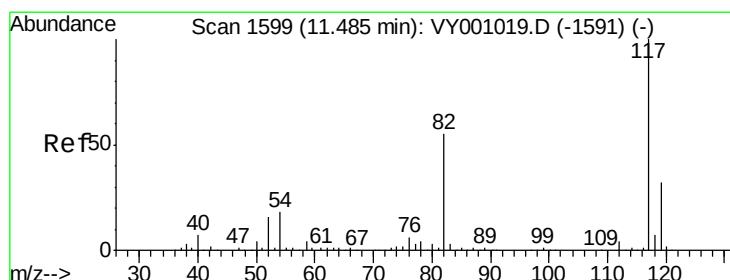
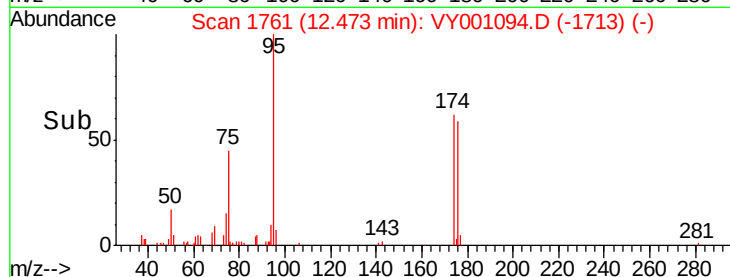
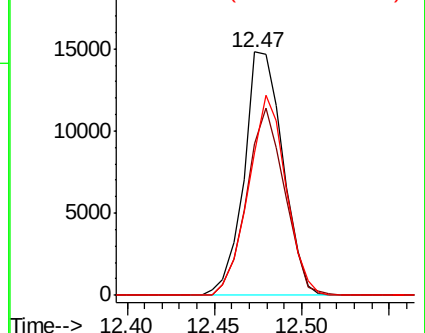
176 79.1 0.0 155.0



Abundance Ion 94.90 (94.60 to 95.60): VY001019.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY001019.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY001019.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001094.D

Acq: 27 Dec 2019 13:53

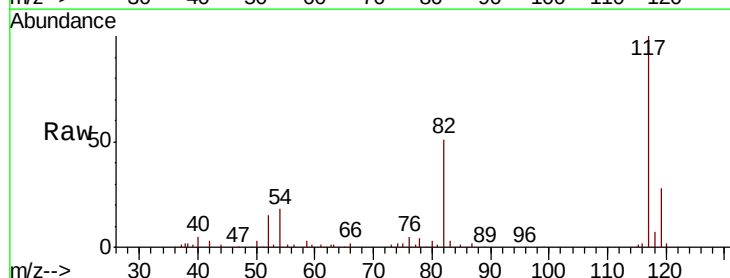
Tgt Ion: 117 Resp: 56458

Ion Ratio Lower Upper

117 100

82 51.3 43.8 65.8

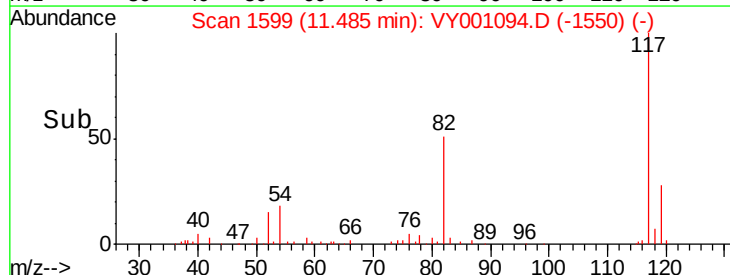
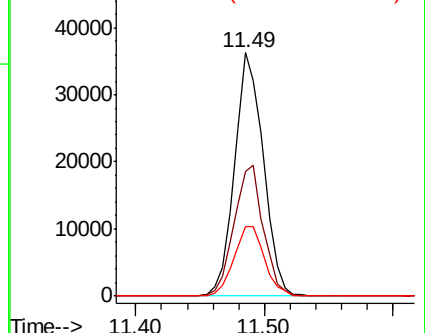
119 28.4 25.8 38.6

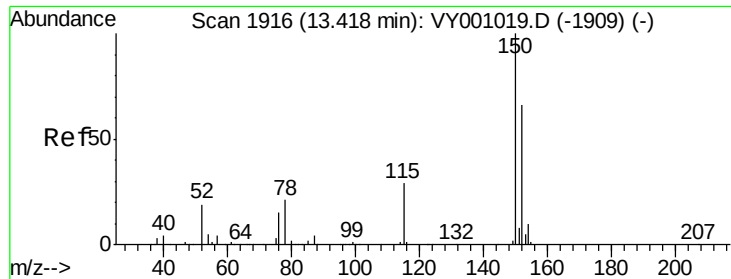


Abundance Ion 116.90 (116.60 to 117.60): VY001019.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY001019.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY001019.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001094.D

Acq: 27 Dec 2019 13:53

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF013-01

Tot Ion:152 Resp: 22602

Ion Ratio Lower Upper

152 100

115 64.0 29.8 89.3

150 164.2 0.0 352.6

