

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011720\  
 Data File : VY001282.D  
 Acq On : 17 Jan 2020 21:37  
 Operator : SY/MD  
 Sample : L1154-07  
 Misc : 7.65G/5ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B3-15-20

Quant Time: Jan 18 04:56:20 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

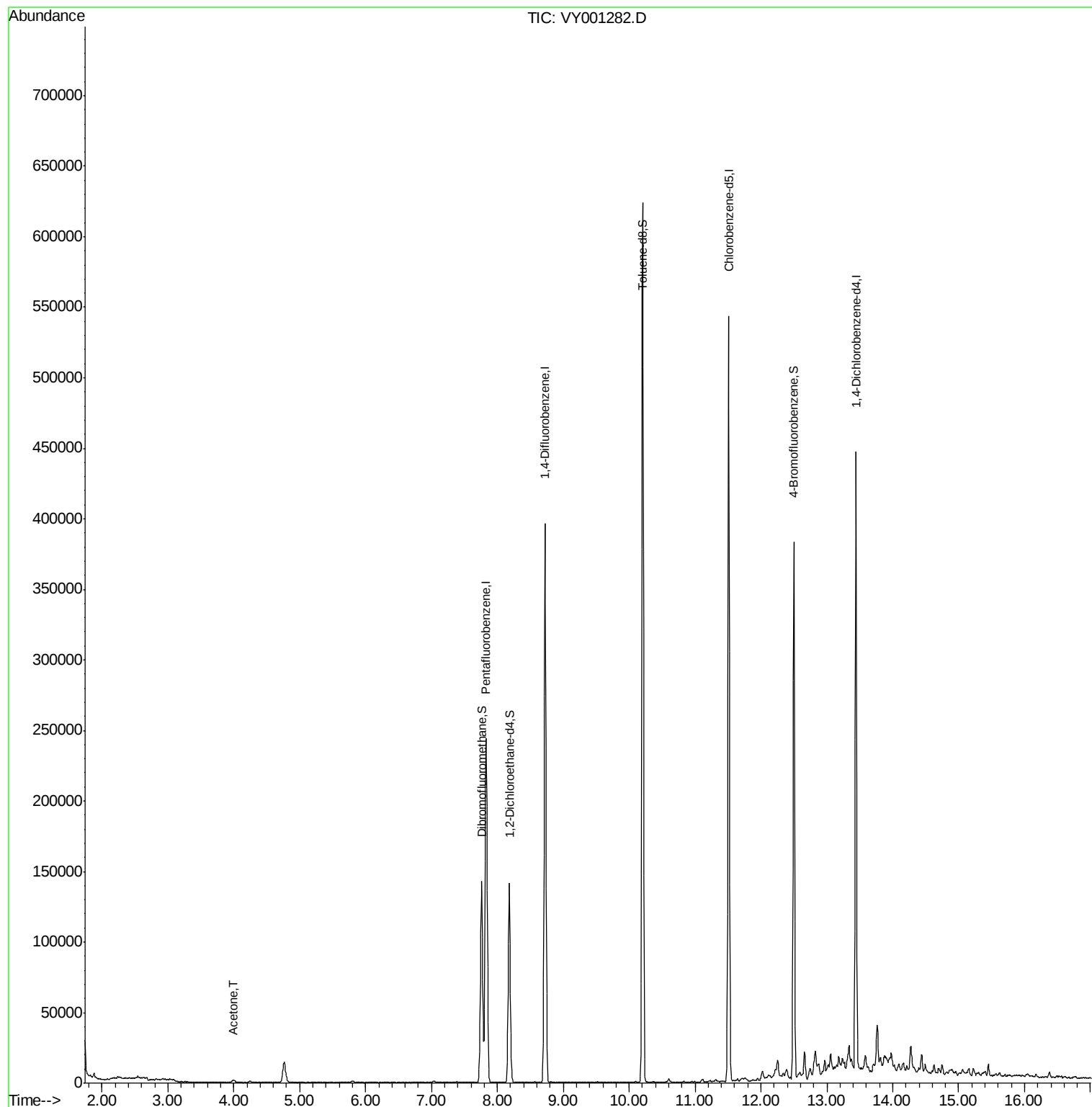
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.83  | 168  | 190555   | 50.00 | ug/l    | 0.04      |
| 34) 1,4-Difluorobenzene     | 8.72  | 114  | 339828   | 50.00 | ug/l    | 0.03      |
| 63) Chlorobenzene-d5        | 11.51 | 117  | 294552   | 50.00 | ug/l    | 0.02      |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 107620   | 50.00 | ug/l    | 0.02      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.18  | 65   | 106715   | 53.02 | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.04% |           |
| 35) Dibromofluoromethane    | 7.76  | 113  | 102192   | 51.36 | ug/l    | 0.04      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.72% |           |
| 50) Toluene-d8              | 10.21 | 98   | 401429   | 52.36 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.72% |           |
| 62) 4-Bromofluorobenzene    | 12.50 | 95   | 125564   | 40.06 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.12%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 3.99  | 43   | 3627     | 7.760 | ug/l    | Qvalue 94 |

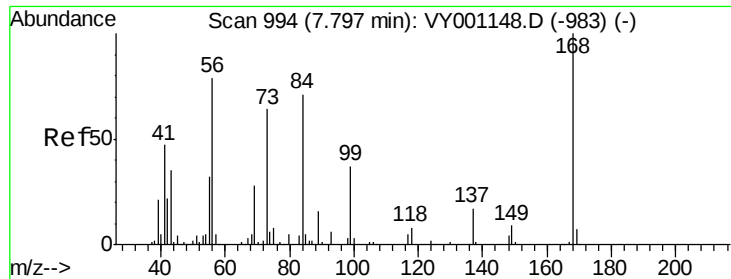
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jan 10 16:01:58 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

Instrument :

MSVOA\_Y

ClientSampleId :

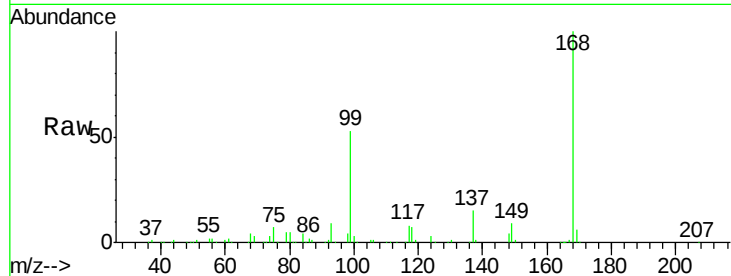
B3-15-20

Tot Ion:168 Resp: 190555

Ion Ratio Lower Upper

168 100

99 53.1 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) (-)

7.83

80000

60000

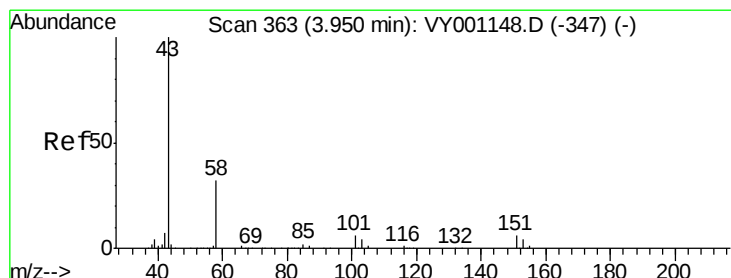
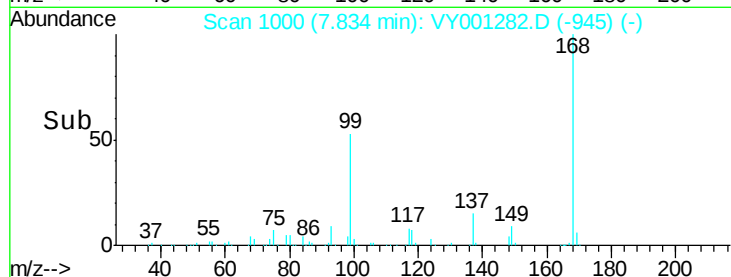
40000

20000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 7.760 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.04 min

Lab File: VY001282.D

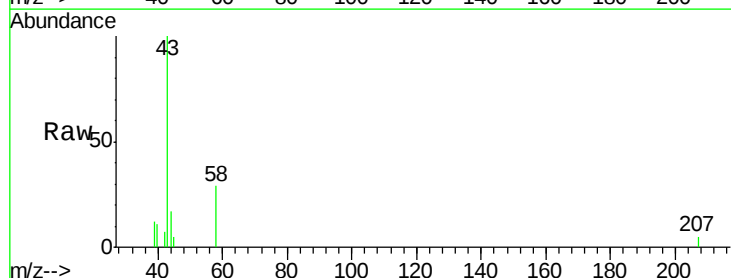
Acq: 17 Jan 2020 21:37

Tgt Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

58 28.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)

3.99

1500

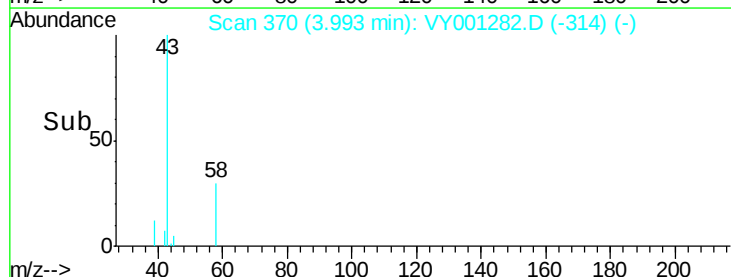
1000

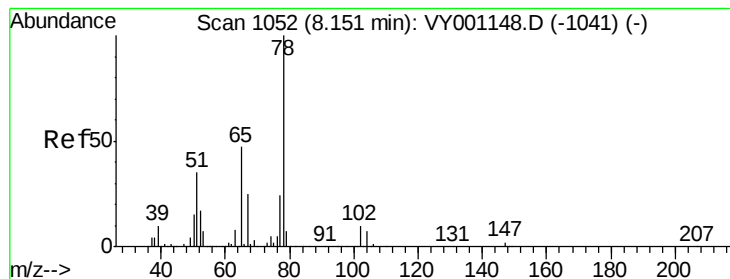
500

0

Time-->

3.90 3.95 4.00 4.05





#33

1,2-Dichloroethane-d4

Concen: 53.024 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

Instrument :

MSVOA\_Y

ClientSampled :

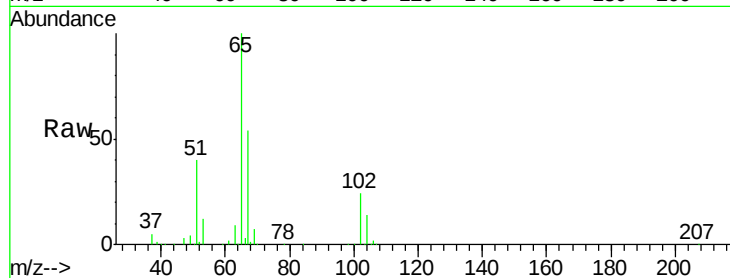
B3-15-20

Tot Ion: 65 Resp: 106715

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.18

50000

40000

30000

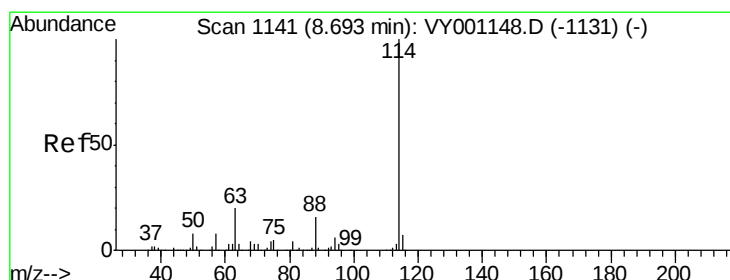
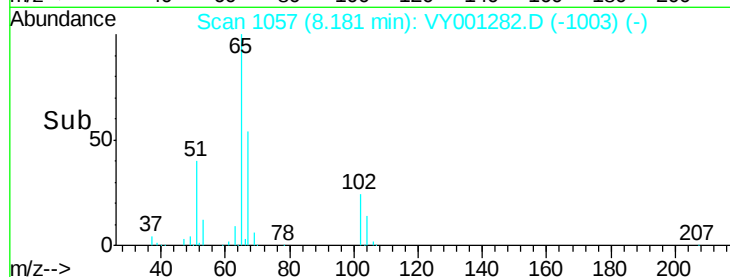
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1146

Delta R.T. 0.03 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

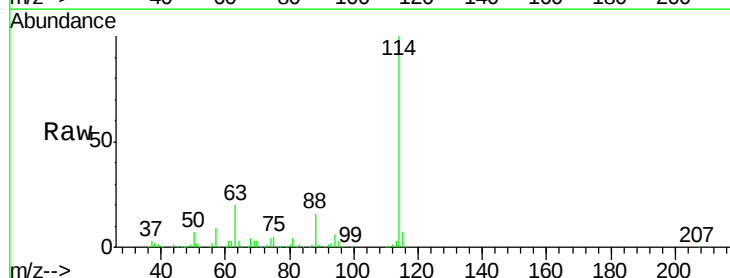
Tgt Ion: 114 Resp: 339828

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.9 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

8.72

200000

150000

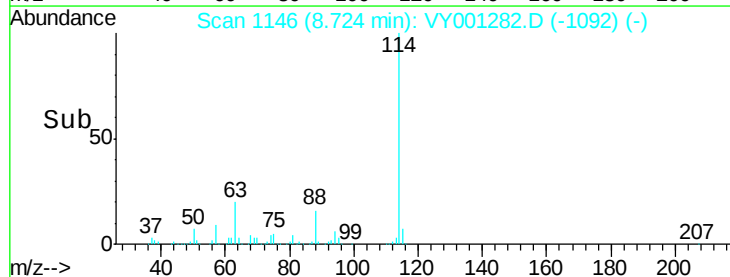
100000

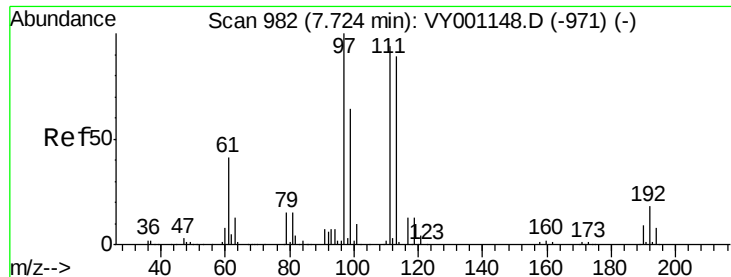
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 51.361 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.04 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

Instrument :

MSVOA\_Y

ClientSampled :

B3-15-20

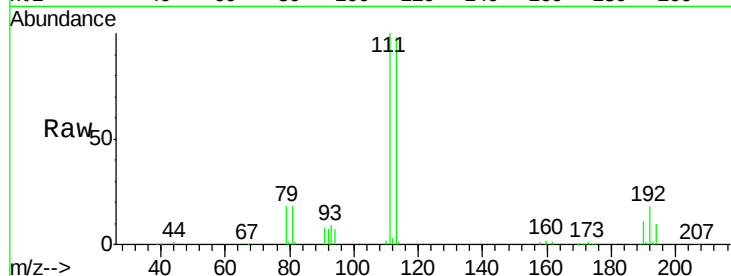
Tot Ion:113 Resp: 102192

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

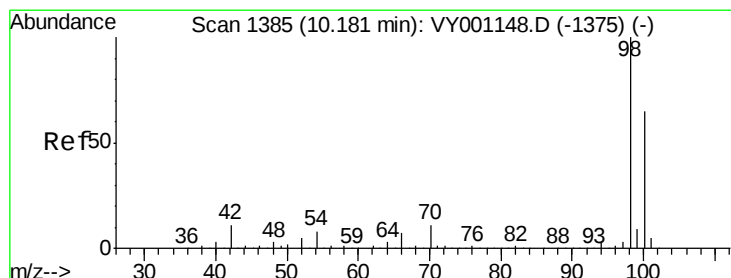
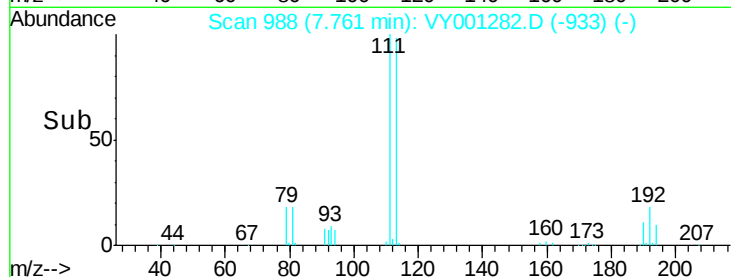
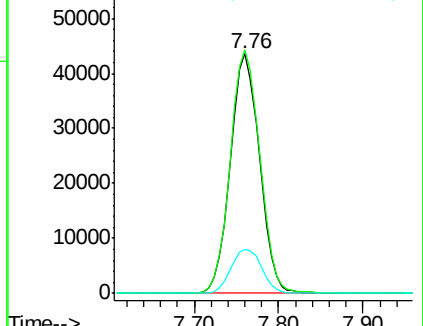
192 19.5 15.4 23.2



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



#50

Toluene-d8

Concen: 52.361 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001282.D

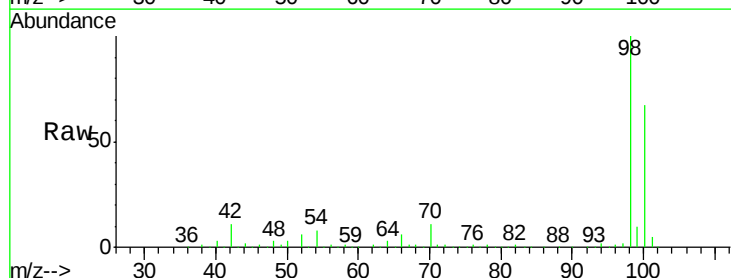
Acq: 17 Jan 2020 21:37

Tgt Ion: 98 Resp: 401429

Ion Ratio Lower Upper

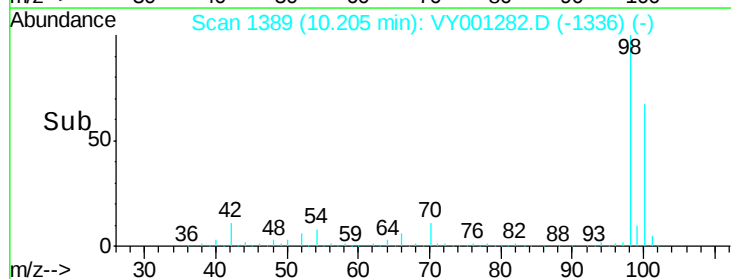
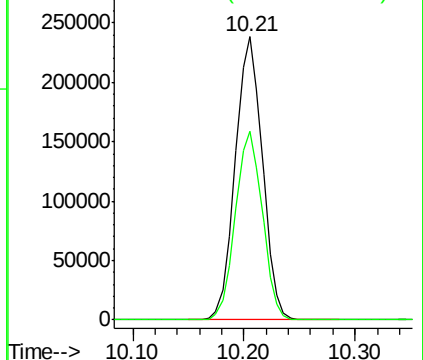
98 100

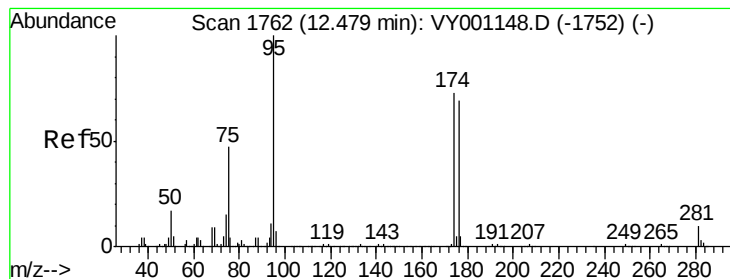
100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 40.061 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.02 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

Instrument :

MSVOA\_Y

ClientSampled :

B3-15-20

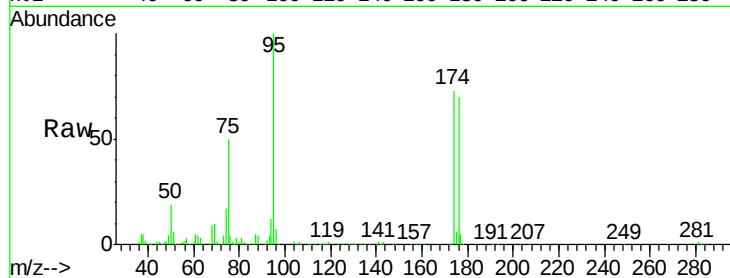
Tot Ion: 95 Resp: 125564

Ion Ratio Lower Upper

95 100

174 75.9 0.0 143.2

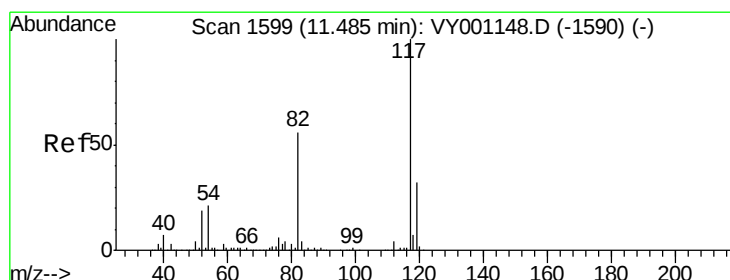
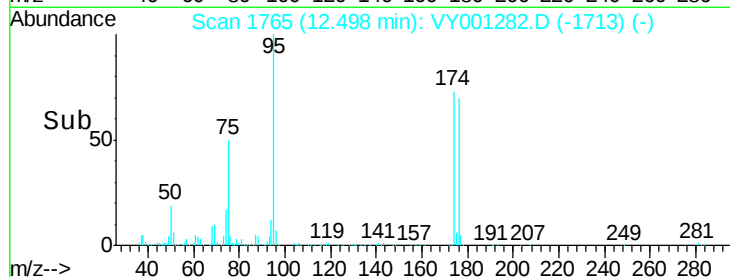
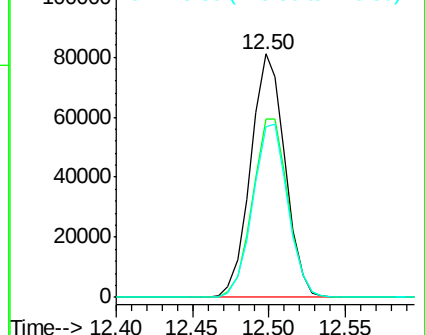
176 72.8 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY001148.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY001148.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. 0.02 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

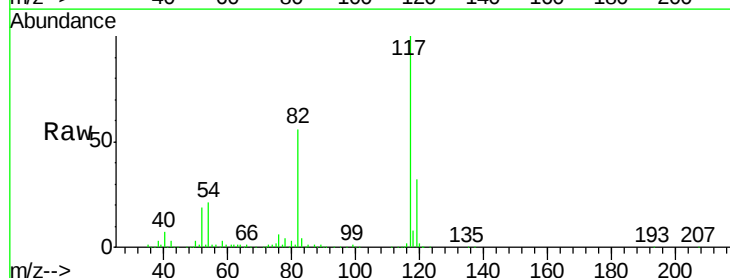
Tgt Ion: 117 Resp: 294552

Ion Ratio Lower Upper

117 100

82 55.9 44.9 67.3

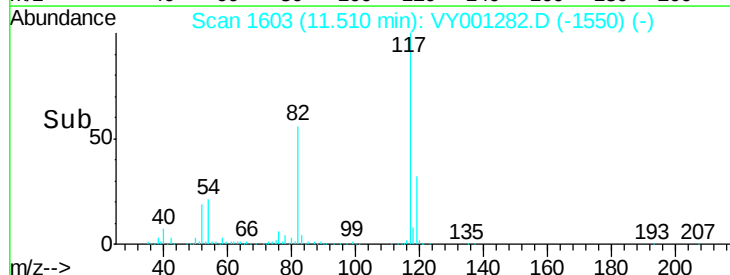
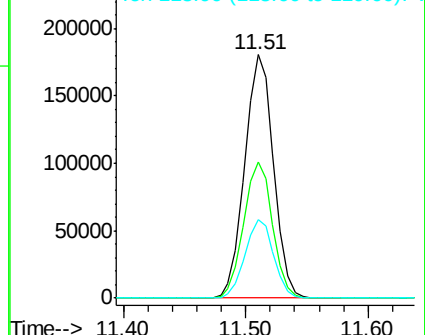
119 32.4 25.7 38.5

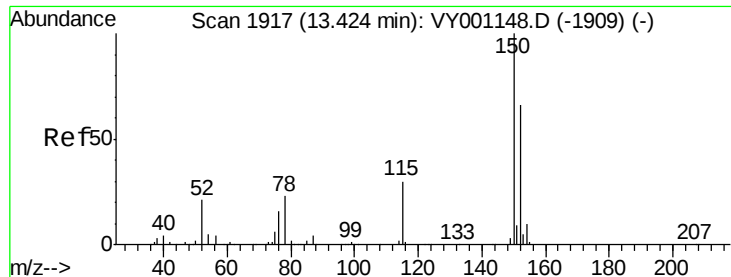


Abundance Ion 116.90 (116.60 to 117.60): VY001148.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY001148.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY001148.D (-1590) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.02 min

Lab File: VY001282.D

Acq: 17 Jan 2020 21:37

Instrument :

MSVOA\_Y

ClientSampleId :

B3-15-20

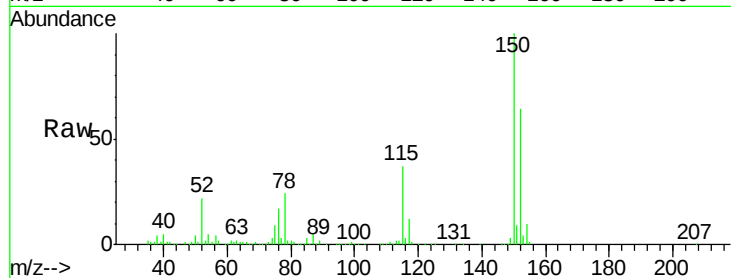
Tot Ion:152 Resp: 107620

Ion Ratio Lower Upper

152 100

115 59.8 30.9 92.5

150 158.0 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

