

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032720\  
 Data File : VY002113.D  
 Acq On : 27 Mar 2020 18:08  
 Operator : SY/MD  
 Sample : L2053-05  
 Misc : 9.90G/5ML/MSVOA Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-15-(3-4)

Quant Time: Mar 30 05:11:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

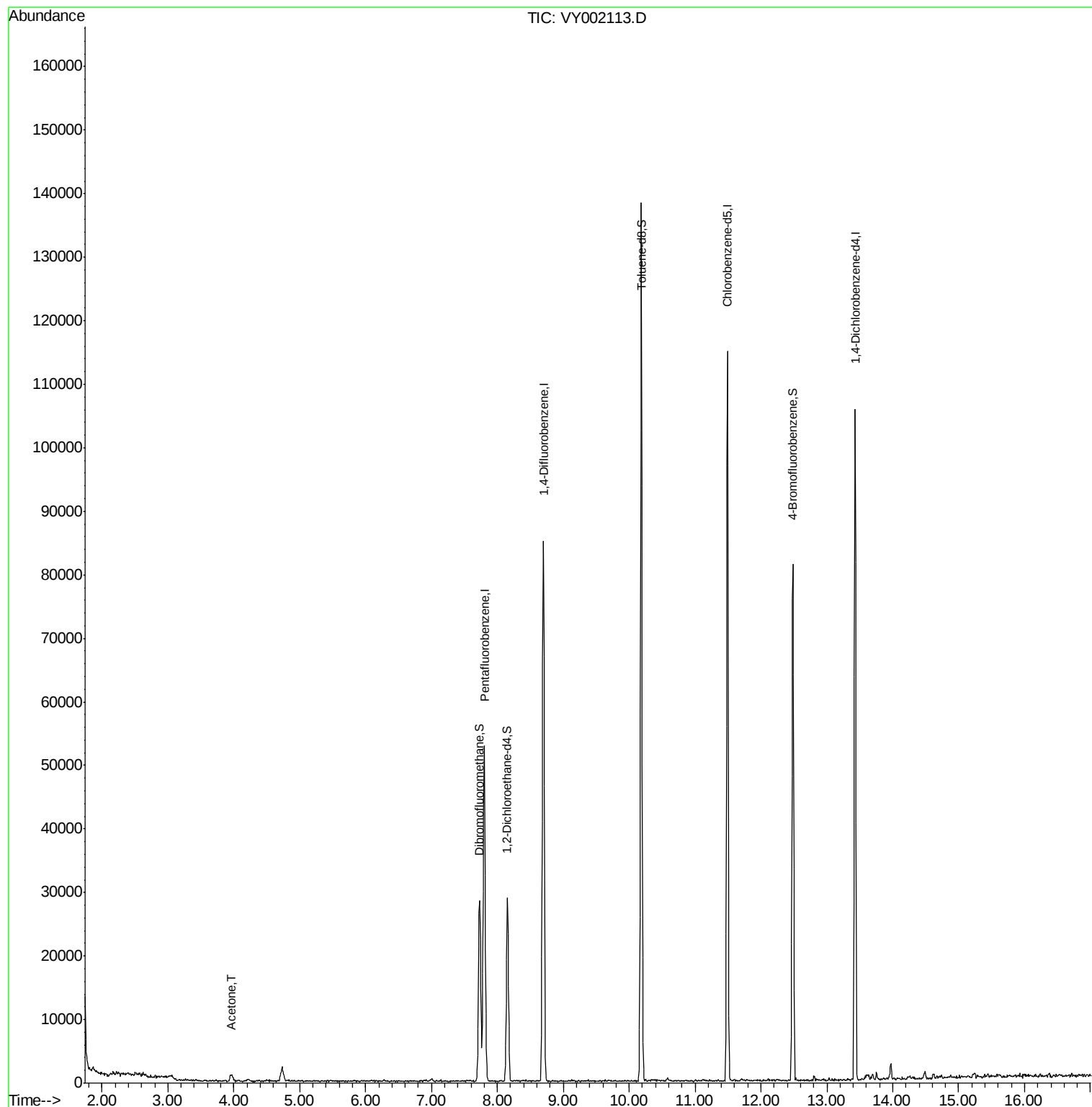
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 39175    | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 71444    | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 61270    | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 25048    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 22011    | 50.83  | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.66% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 20798    | 51.95  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.90% |           |
| 50) Toluene-d8              | 10.18 | 98   | 87136    | 52.40  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.80% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 26269    | 45.17  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.34%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.97  | 43   | 2083     | 17.120 | ug/l    | Qvalue 97 |

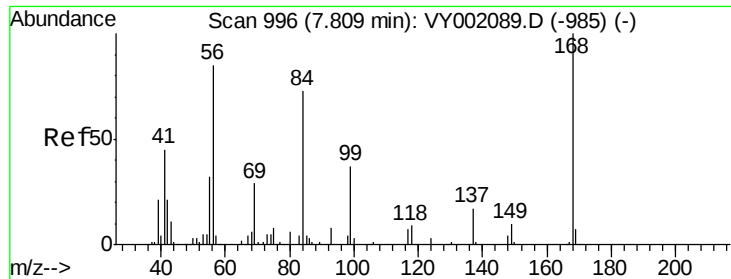
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 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: VY002113.D

Acq: 27 Mar 2020 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

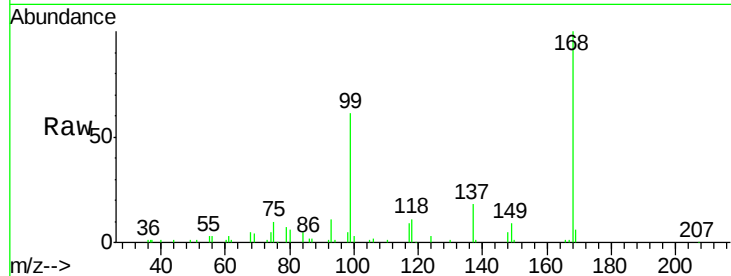
TP-15-(3-4)

Tot Ion:168 Resp: 39175

Ion Ratio Lower Upper

168 100

99 61.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002113.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002113.D (-947) (-)

7.80

15000

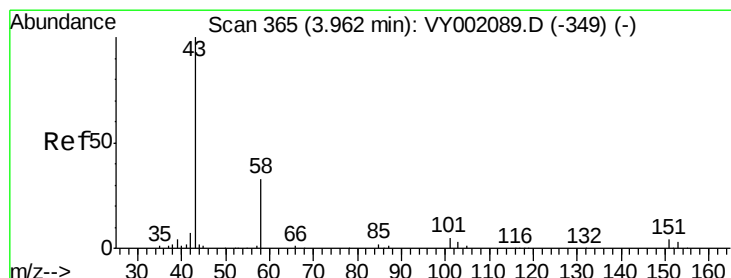
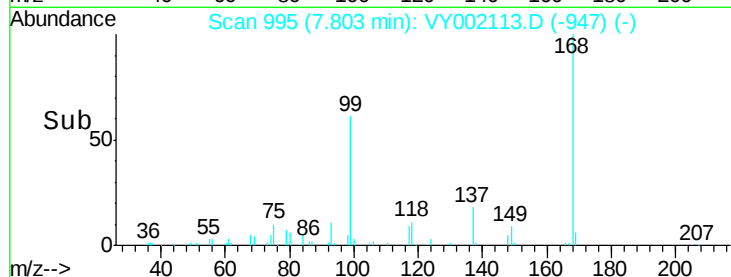
10000

5000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#16

Acetone

Concen: 17.120 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002113.D

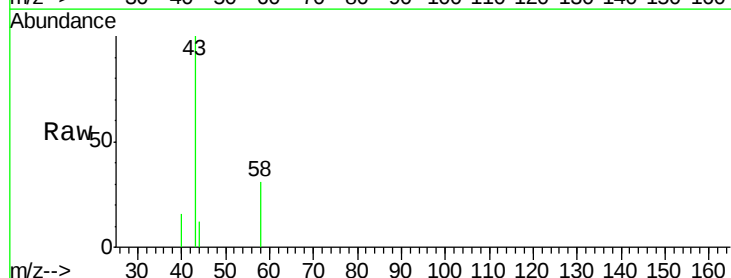
Acq: 27 Mar 2020 18:08

Tgt Ion: 43 Resp: 2083

Ion Ratio Lower Upper

43 100

58 30.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002113.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002113.D (-316) (-)

3.97

800

600

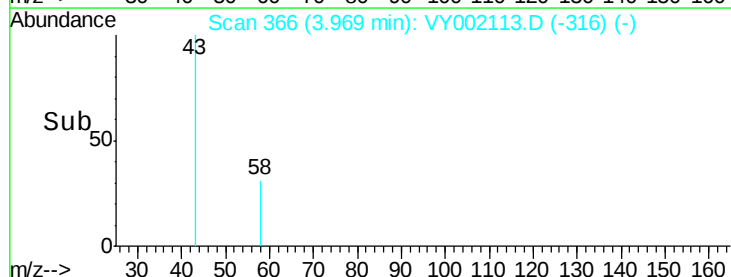
400

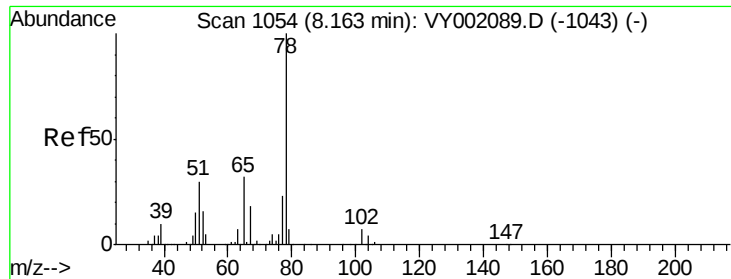
200

0

3.90 3.95 4.00 4.05

Time-->

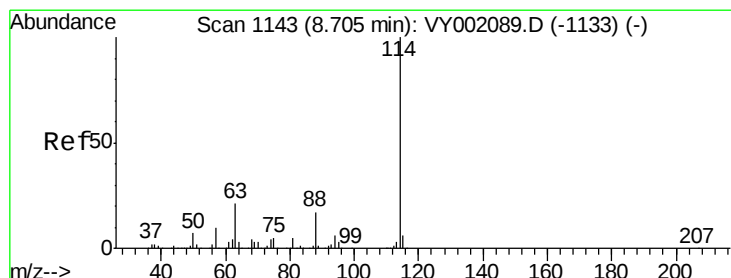
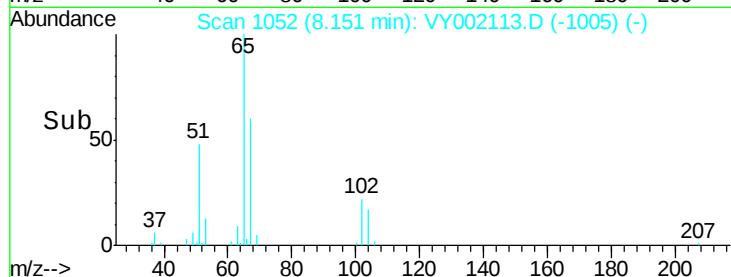
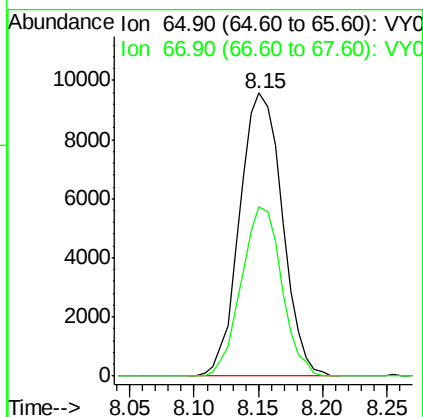
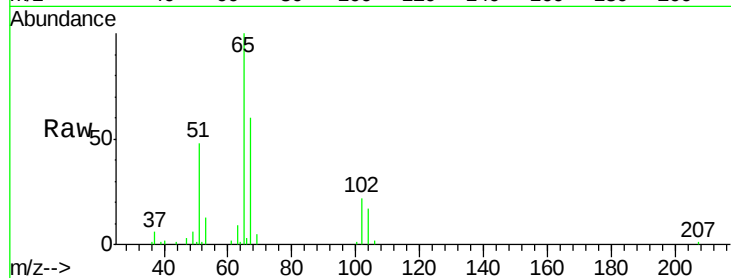




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.826 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VY002113.D  
 Acq: 27 Mar 2020 18:08

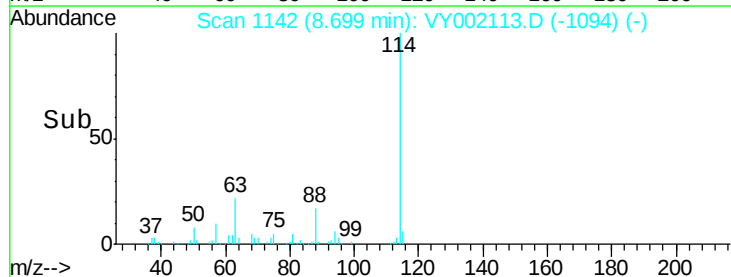
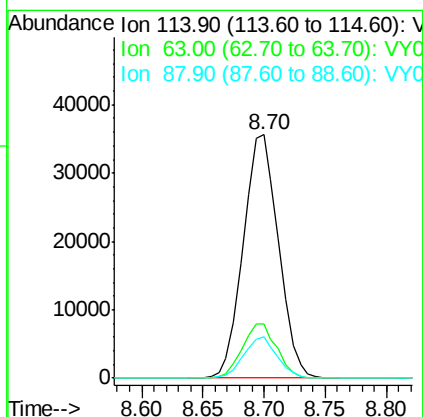
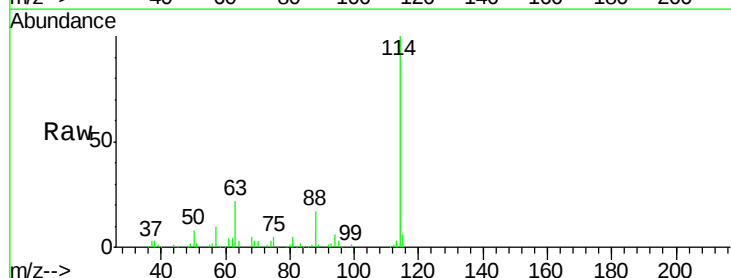
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-15-(3-4)

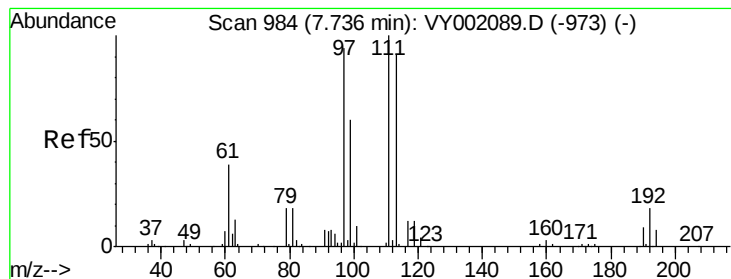
Tot Ion: 65 Resp: 22011  
 Ion Ratio Lower Upper  
 65 100  
 67 56.5 0.0 112.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002113.D  
 Acq: 27 Mar 2020 18:08

Tgt Ion: 114 Resp: 71444  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 41.4  
 88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.955 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002113.D

Acq: 27 Mar 2020 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

TP-15-(3-4)

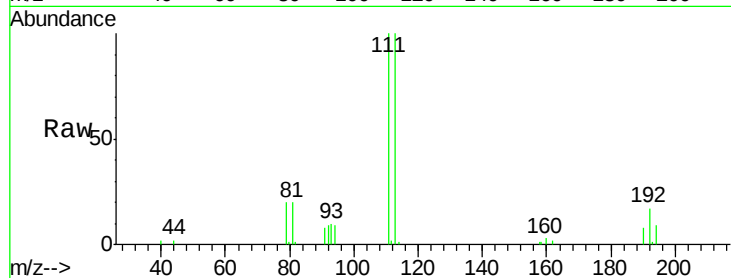
Tot Ion:113 Resp: 20798

Ion Ratio Lower Upper

113 100

111 102.1 84.4 126.6

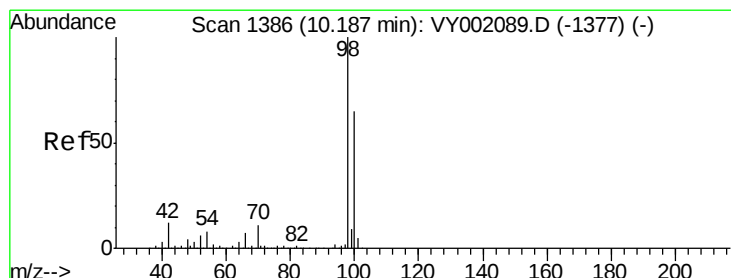
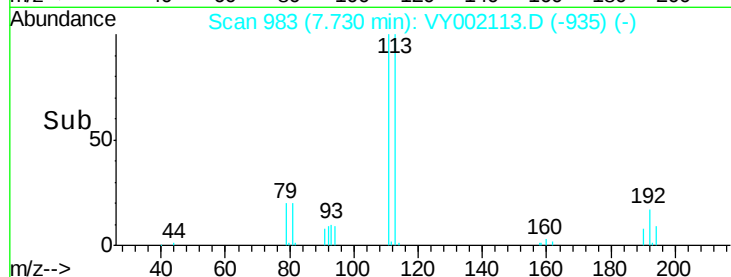
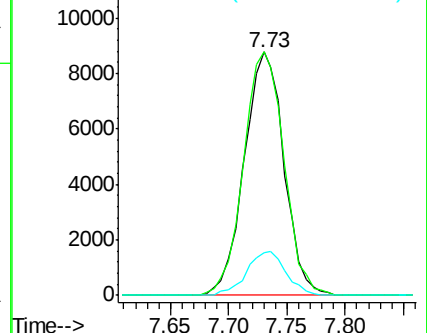
192 17.8 14.6 21.8



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: 52.397 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002113.D

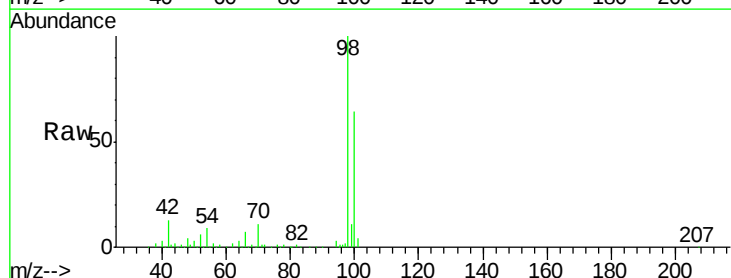
Acq: 27 Mar 2020 18:08

Tgt Ion: 98 Resp: 87136

Ion Ratio Lower Upper

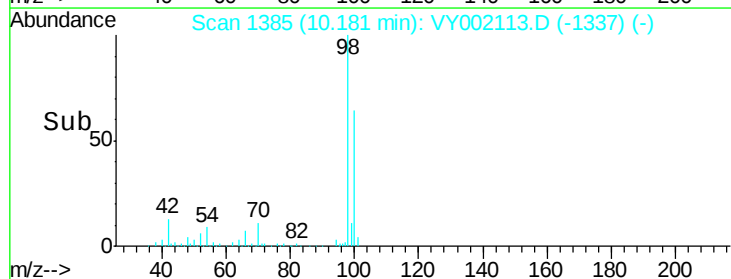
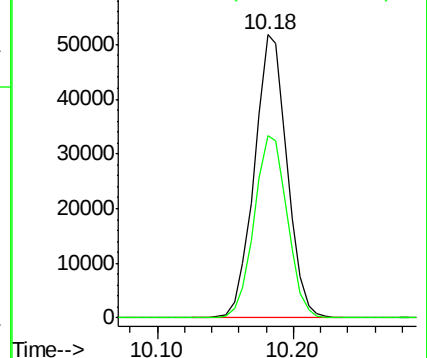
98 100

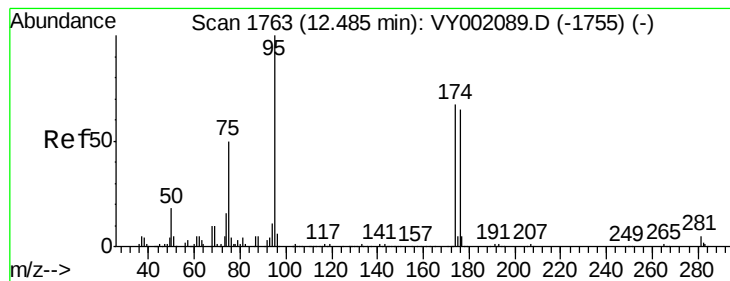
100 65.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 45.167 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002113.D

Acq: 27 Mar 2020 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

TP-15-(3-4)

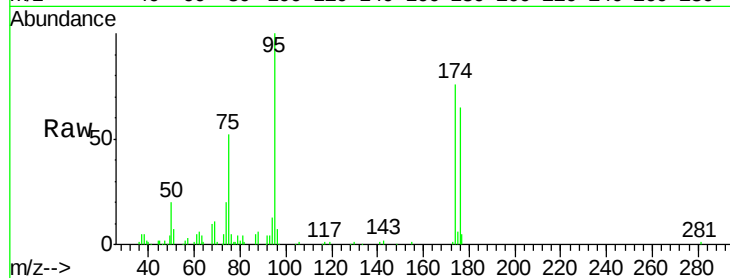
Tot Ion: 95 Resp: 26269

Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.4

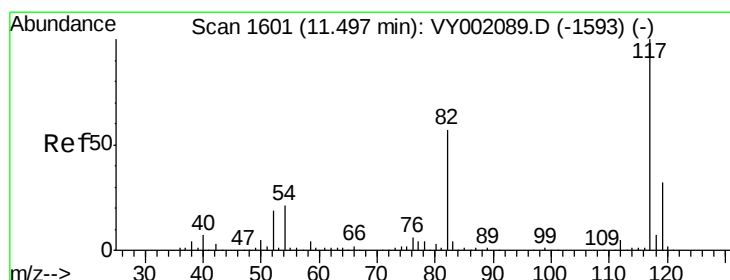
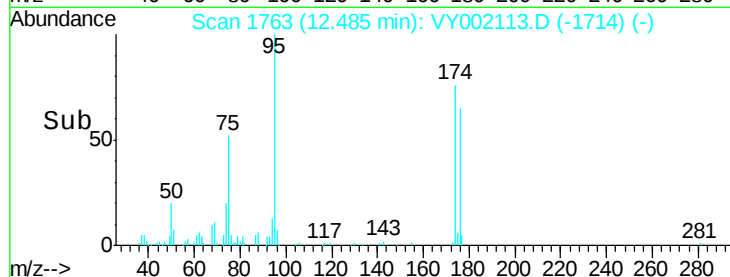
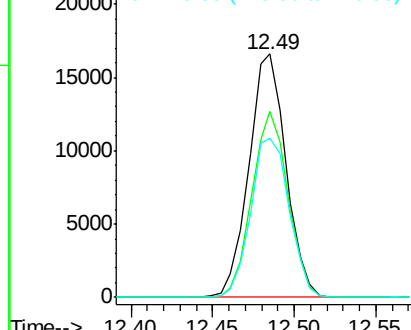
176 68.0 0.0 137.0



Abundance Ion 94.90 (94.60 to 95.60): VY002113.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002113.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002113.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002113.D

Acq: 27 Mar 2020 18:08

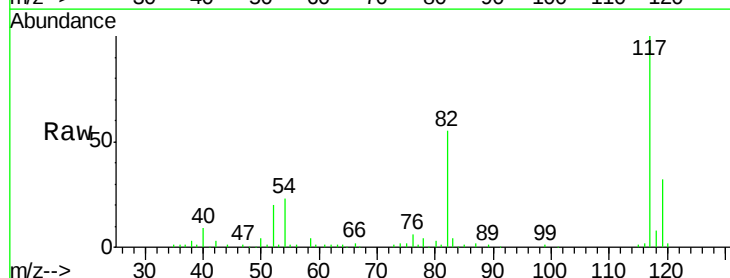
Tgt Ion: 117 Resp: 61270

Ion Ratio Lower Upper

117 100

82 54.9 45.4 68.2

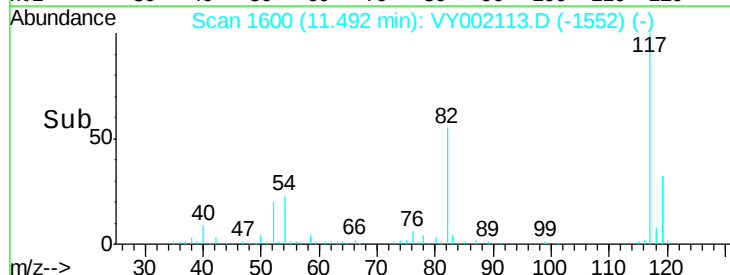
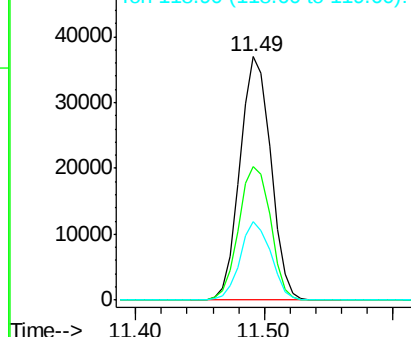
119 32.4 25.3 37.9

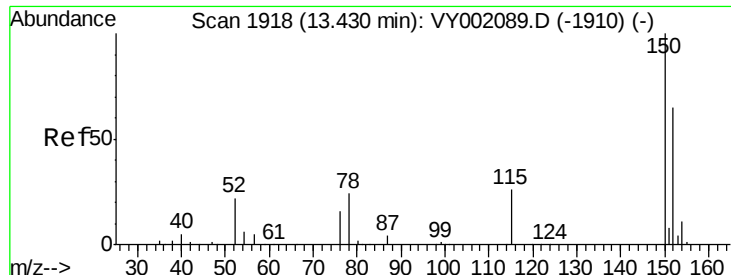


Abundance Ion 116.90 (116.60 to 117.60): VY002113.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY002113.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY002113.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002113.D

Acq: 27 Mar 2020 18:08

Instrument :

MSVOA\_Y

ClientSampleId :

TP-15-(3-4)

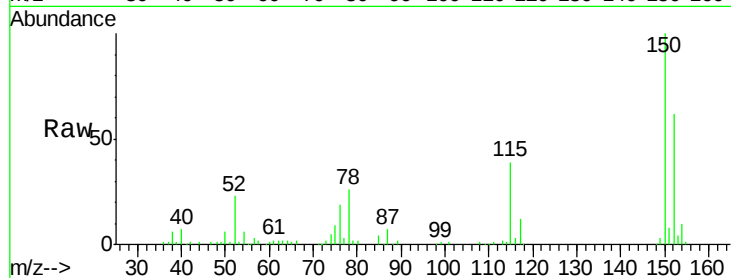
Tot Ion:152 Resp: 25048

Ion Ratio Lower Upper

152 100

115 61.7 31.2 93.6

150 159.8 0.0 354.8



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

