

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\  
 Data File : VY002280.D  
 Acq On : 13 Apr 2020 15:17  
 Operator : SY/MD  
 Sample : L2215-04  
 Misc : 6.01G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-10-7FT

Quant Time: Apr 14 09:07:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 08 15:15:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 150574   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 304264   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 282662   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 123372   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 89607    | 53.51  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.02% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 89147    | 49.24  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 98.48%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 371569   | 49.03  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 98.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 128050   | 51.22  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 102.44% |          |

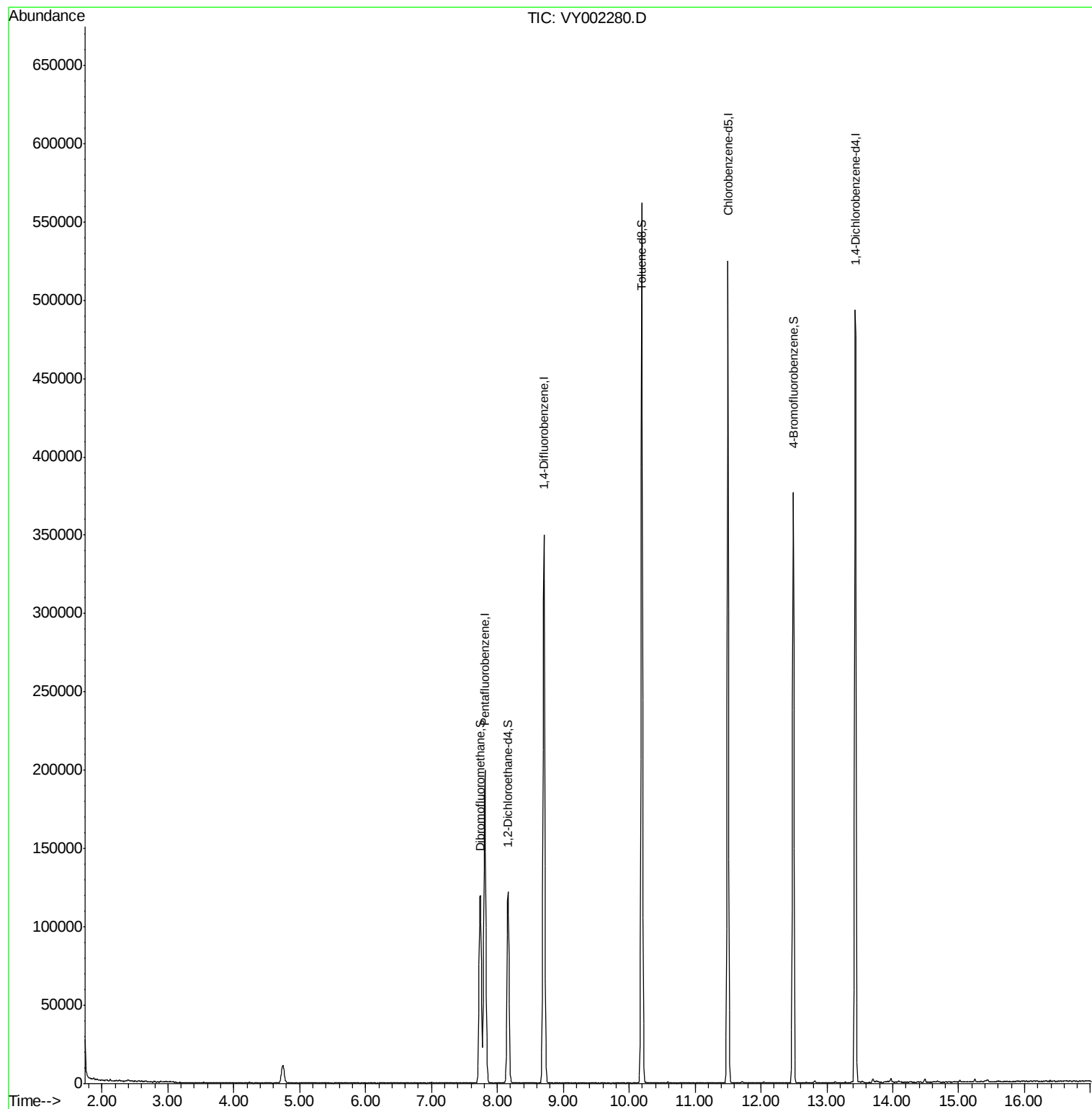
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

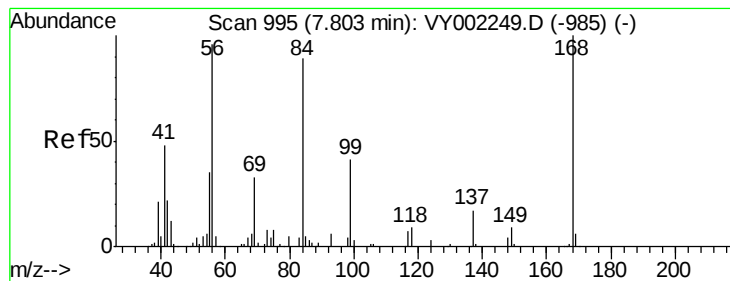
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

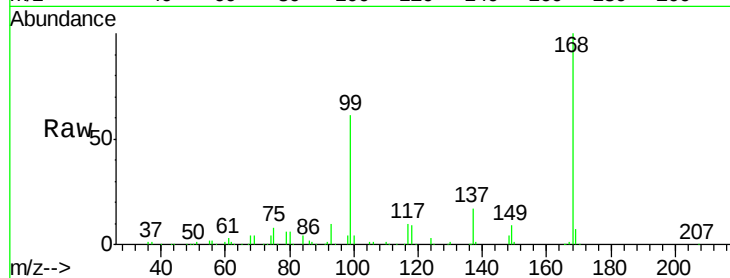
TP-10-7FT

Tot Ion:168 Resp: 150574

Ion Ratio Lower Upper

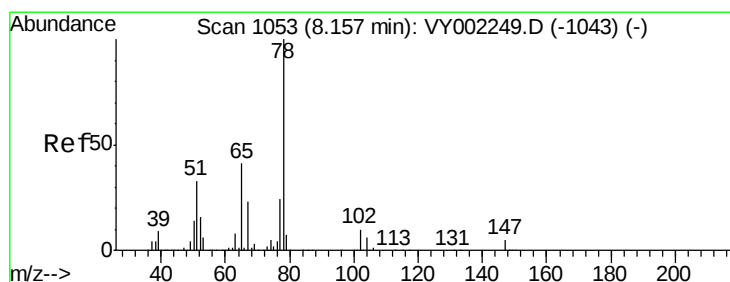
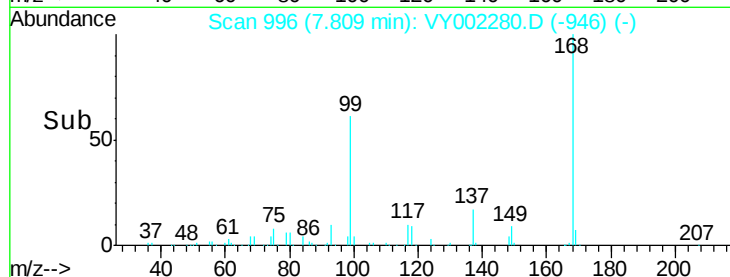
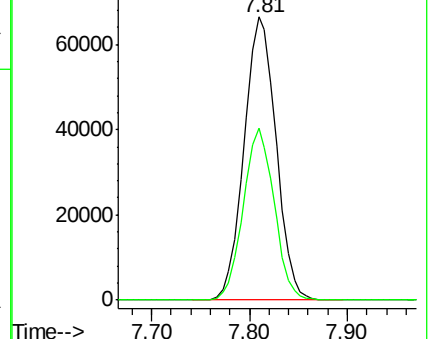
168 100

99 60.9 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002280.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY002280.D (-946) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.513 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002280.D

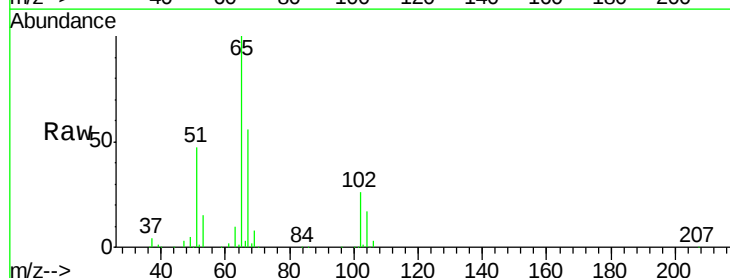
Acq: 13 Apr 2020 15:17

Tgt Ion: 65 Resp: 89607

Ion Ratio Lower Upper

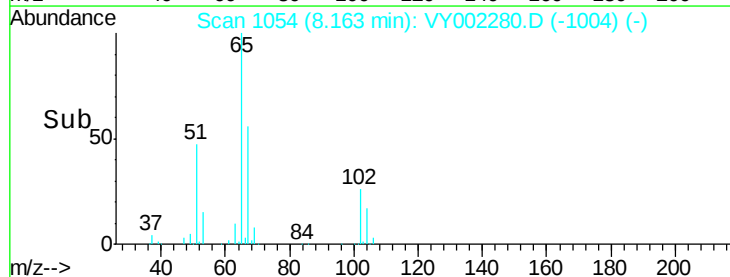
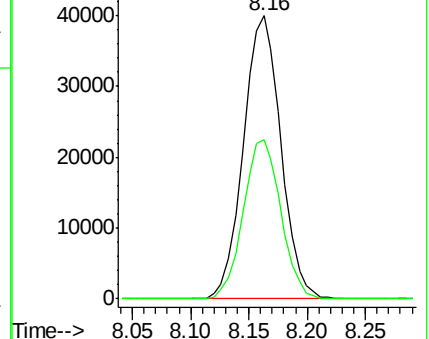
65 100

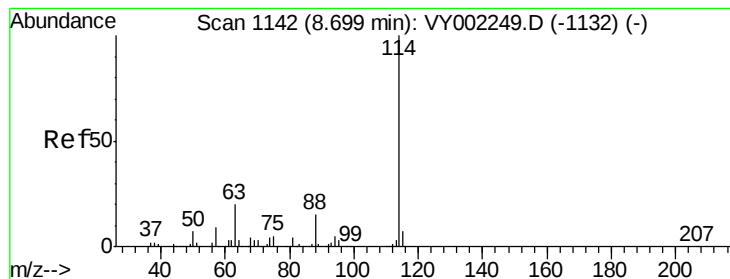
67 56.0 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY002280.D (-1004) (-)

Ion 66.90 (66.60 to 67.60): VY002280.D (-1004) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

TP-10-7FT

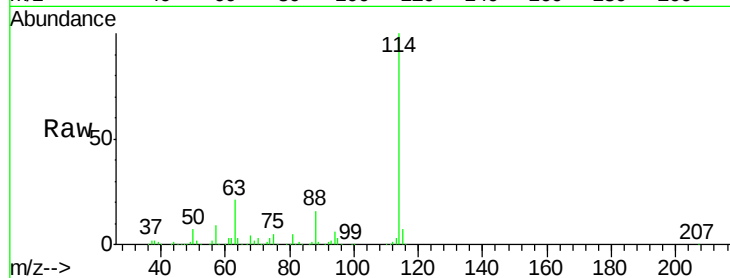
Tot Ion:114 Resp: 304264

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

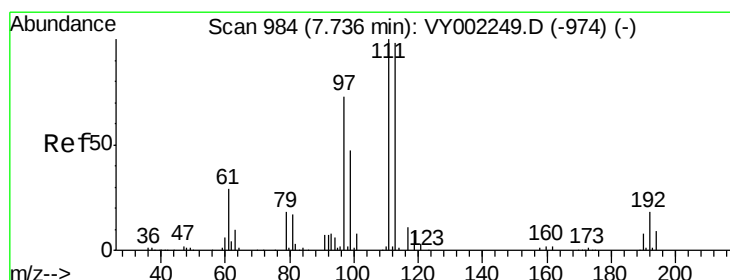
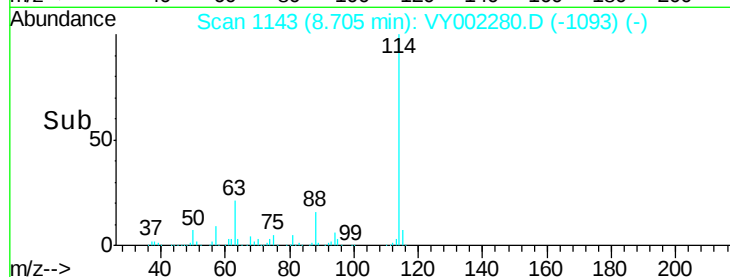
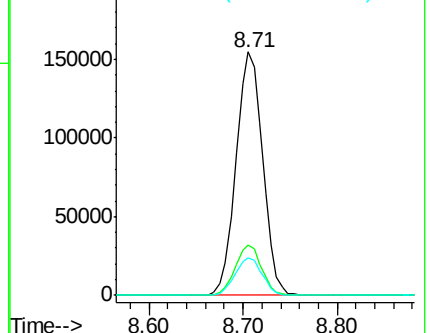
88 15.6 0.0 31.0



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: 49.240 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

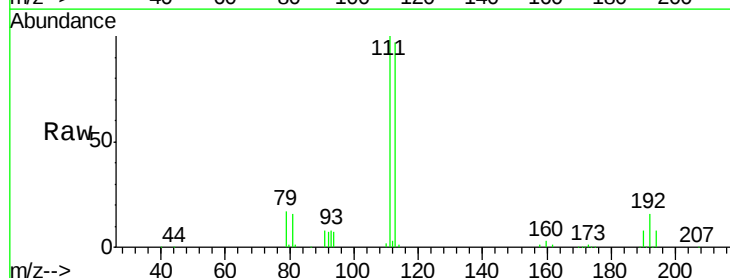
Tgt Ion:113 Resp: 89147

Ion Ratio Lower Upper

113 100

111 104.7 83.5 125.3

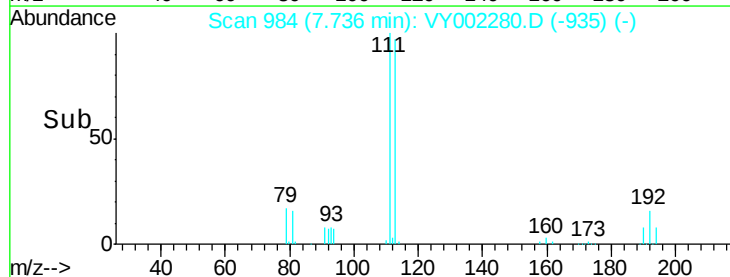
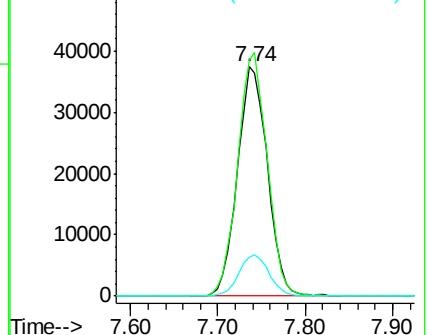
192 18.0 14.7 22.1

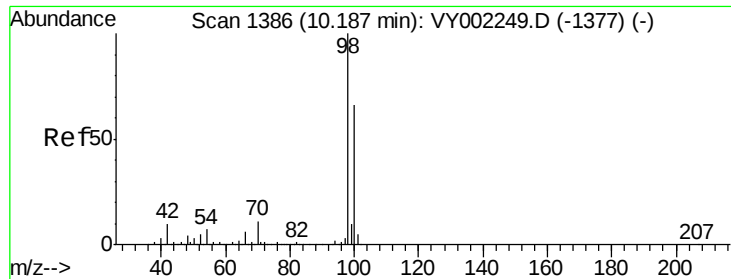


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.033 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

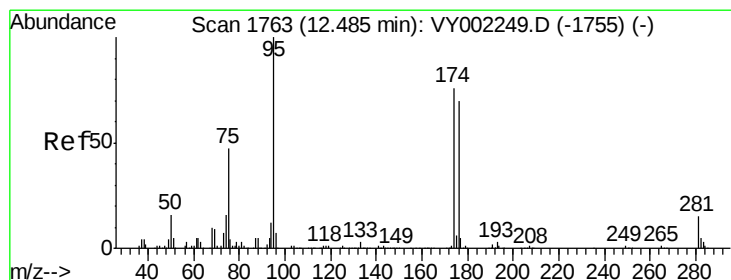
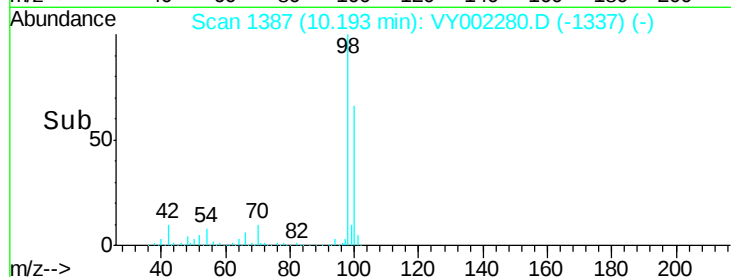
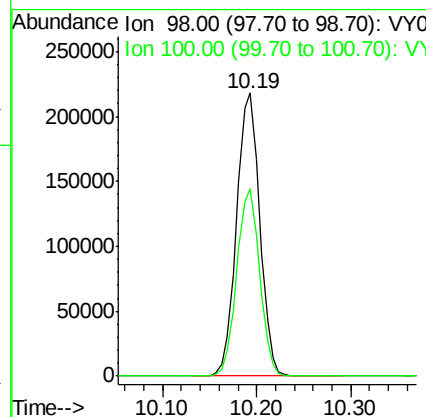
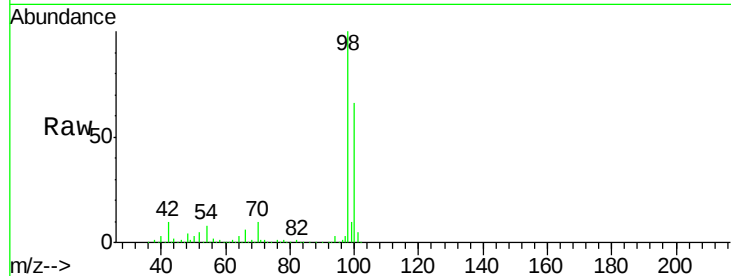
TP-10-7FT

Tot Ion: 98 Resp: 371569

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 51.219 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

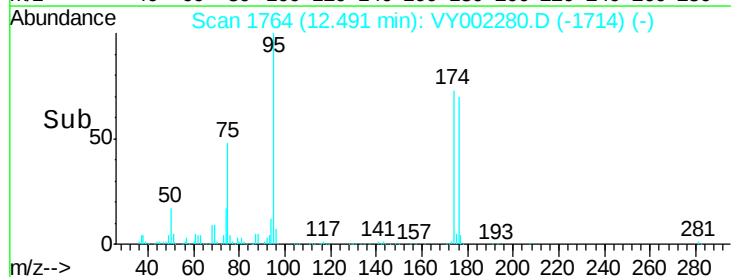
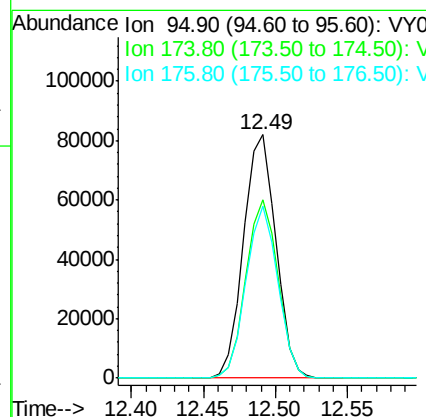
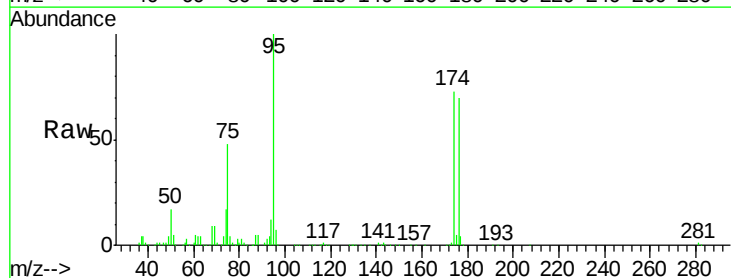
Tgt Ion: 95 Resp: 128050

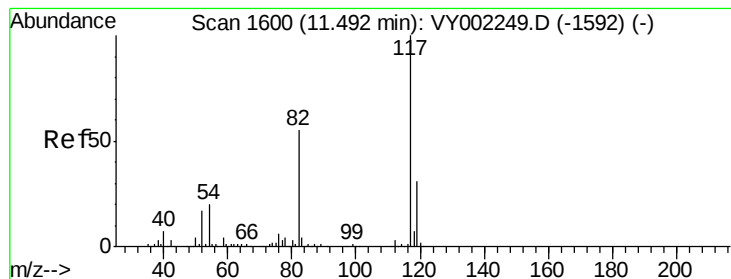
Ion Ratio Lower Upper

95 100

174 72.2 0.0 150.6

176 69.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

TP-10-7FT

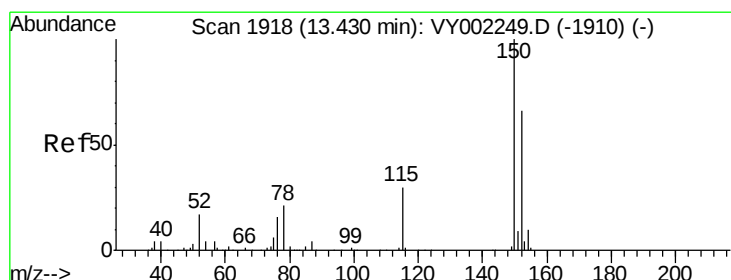
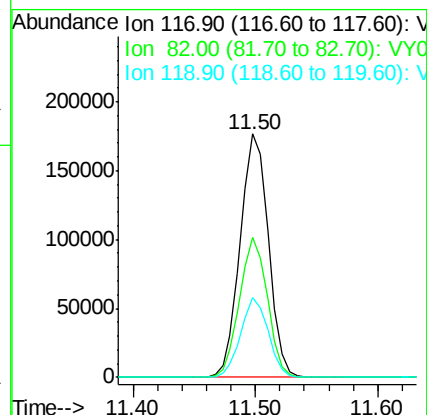
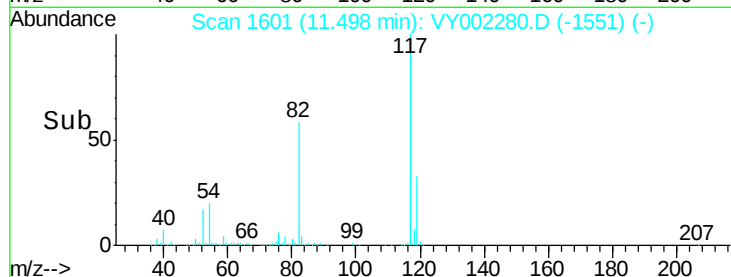
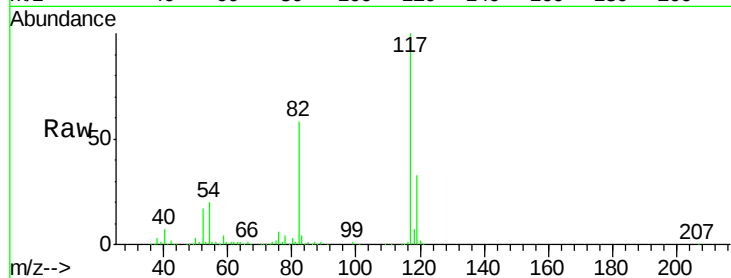
Tot Ion:117 Resp: 282662

Ion Ratio Lower Upper

117 100

82 57.6 44.2 66.4

119 32.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002280.D

Acq: 13 Apr 2020 15:17

Tgt Ion:152 Resp: 123372

Ion Ratio Lower Upper

152 100

115 60.8 30.7 92.1

150 159.3 0.0 350.6

