

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040225\  
 Data File : VY021756.D  
 Acq On : 02 Apr 2025 13:45  
 Operator : SY/MD  
 Sample : Q1685-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-02-040125

Quant Time: Apr 03 03:36:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 0.000  | 168   | 0        | 0.000    | ug/l  | -7.71    |
| 34) 1,4-Difluorobenzene     | 0.000  | 114   | 0        | 0.000    | ug/l  | -8.62    |
| 63) Chlorobenzene-d5        | 0.000  | 117   | 0        | 0.000    | ug/l  | -11.42   |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l  | -13.35   |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 0.000  | 65    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 0.000%#  |
| 35) Dibromofluoromethane    | 0.000  | 113   | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 0.000%#  |
| 50) Toluene-d8              | 0.000  | 98    | 0        | 0.000    | ug/l  |          |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 0.000%#  |
| 62) 4-Bromofluorobenzene    | 12.578 | 95    | 22       | 0.000    | ug/l  | 0.17     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 0.000%#  |

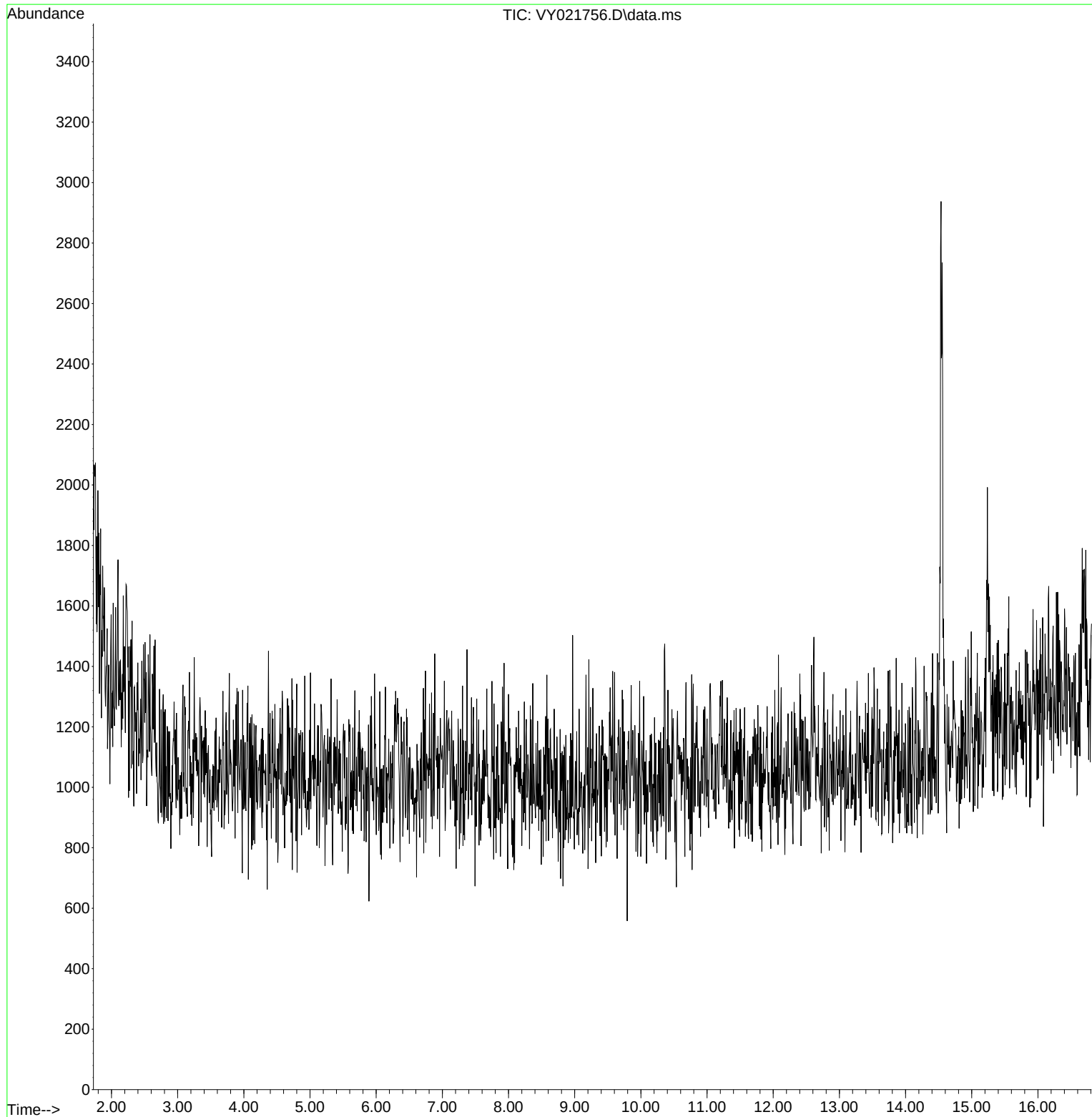
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

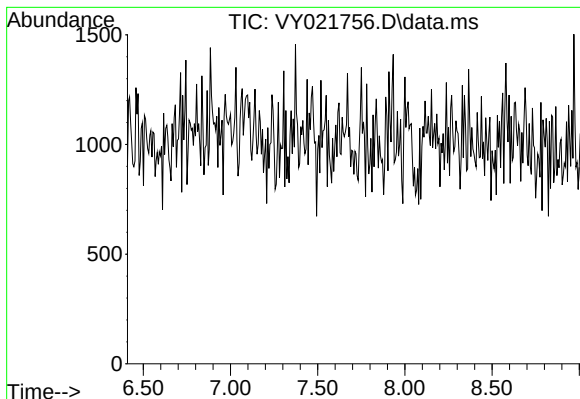
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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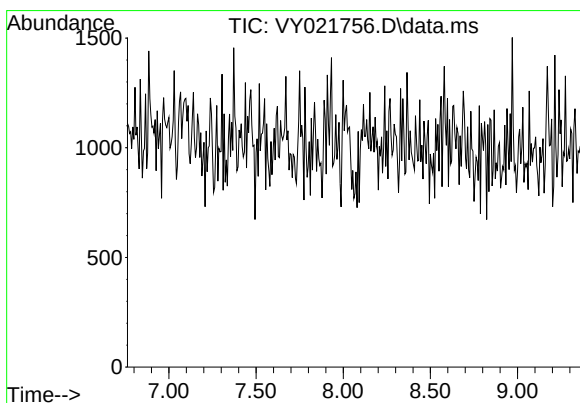
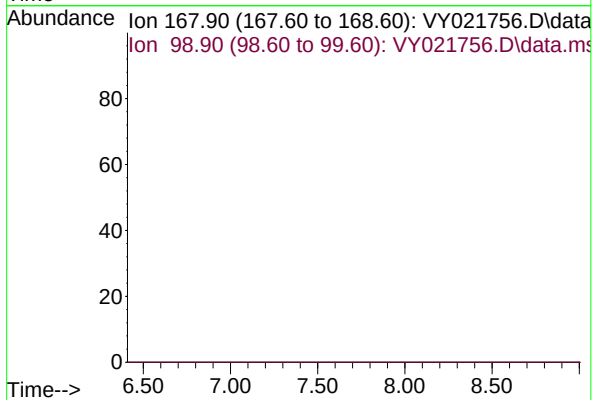




#1  
Pentafluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 7.71 min  
  
Lab File: VY021756.D  
Acq: 02 Apr 2025 13:45

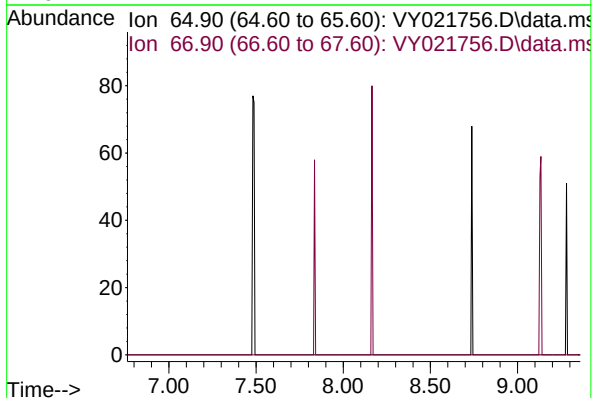
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-02-040125

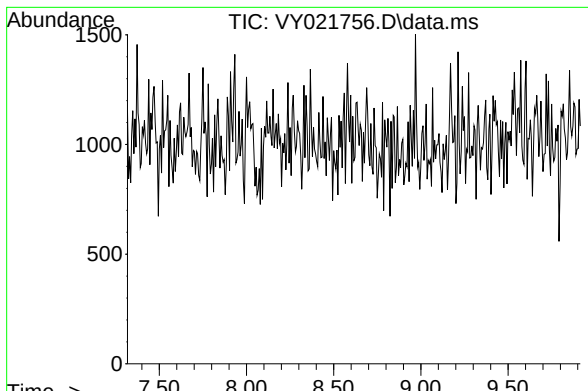
Tgt Ion: 168  
Sig Exp Ratio  
168 100  
99 58.4



#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.06 min  
  
Lab File: VY021756.D  
Acq: 02 Apr 2025 13:45

Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 52.3



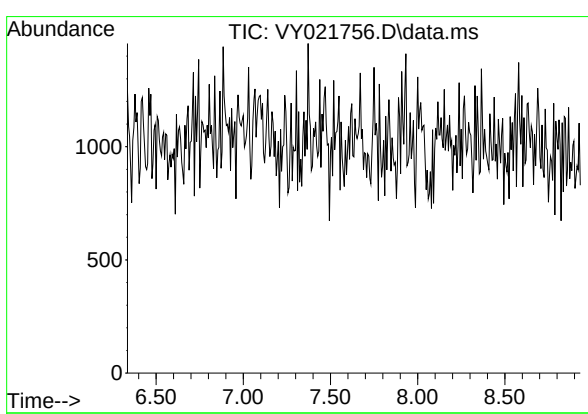
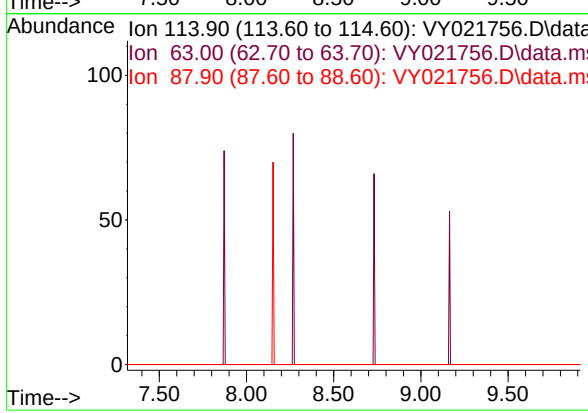


#34  
 1,4-Difluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 8.62 min  
 Lab File: VY021756.D  
 Acq: 02 Apr 2025 13:45

Instrument : MSVOA\_Y  
 ClientSampleId : HR-02-040125

Tgt Ion: 114

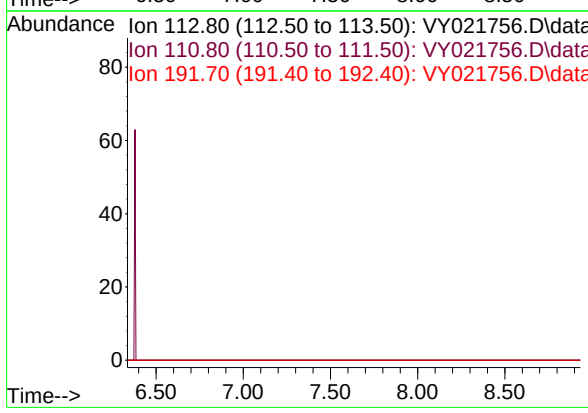
| Sig | Exp Ratio |
|-----|-----------|
| 114 | 100       |
| 63  | 20.1      |
| 88  | 14.9      |

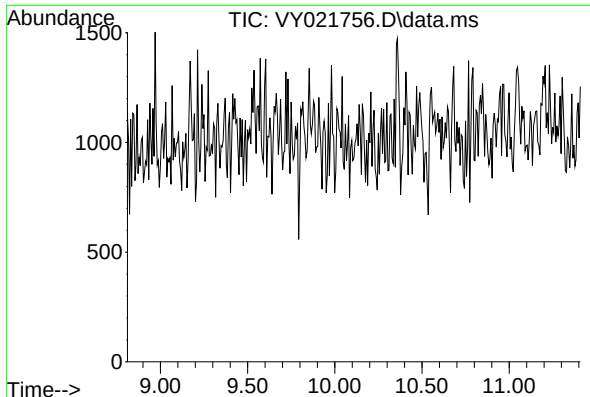


#35  
 Dibromofluoromethane  
 Concen: 0.000 ug/l  
 Expected RT: 7.63 min  
 Lab File: VY021756.D  
 Acq: 02 Apr 2025 13:45

Tgt Ion: 113

| Sig | Exp Ratio |
|-----|-----------|
| 113 | 100       |
| 111 | 103.2     |
| 192 | 20.3      |

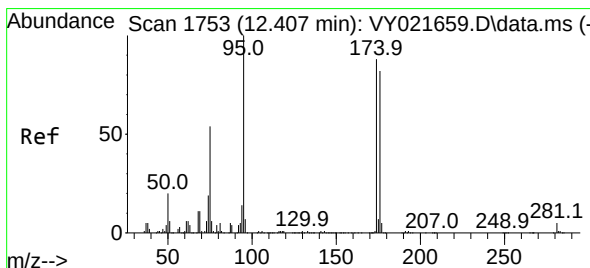
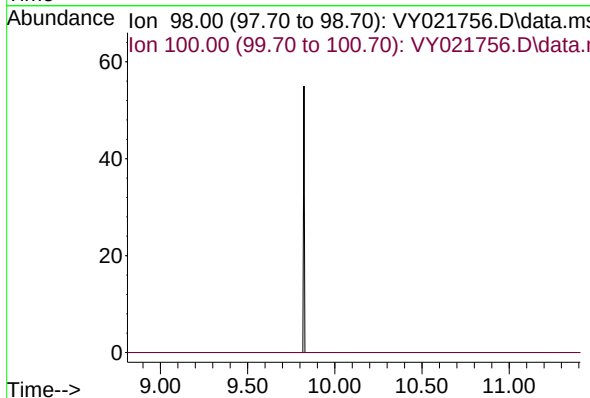




#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 10.11 min  
Lab File: VY021756.D  
Acq: 02 Apr 2025 13:45

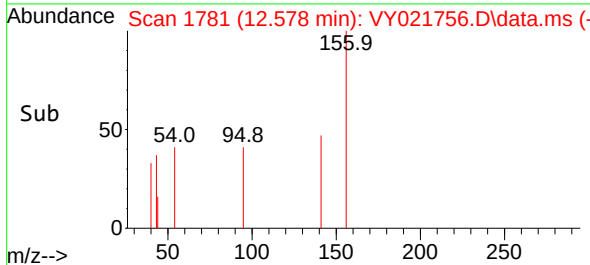
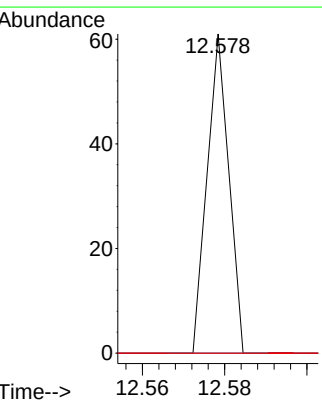
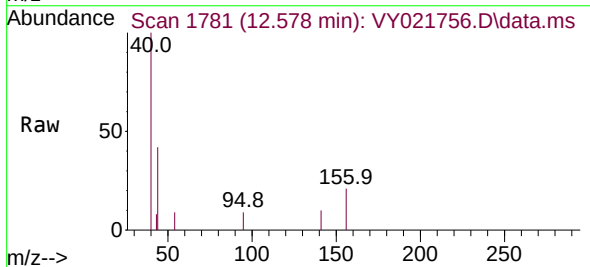
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-02-040125

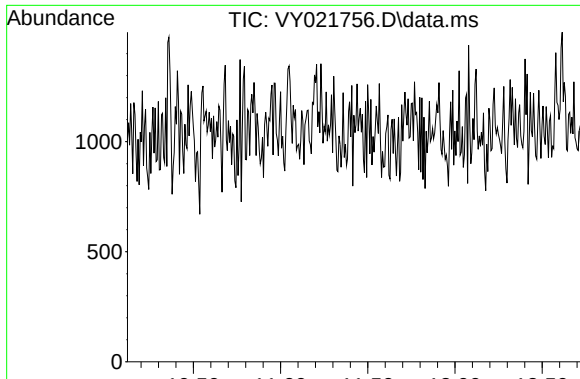
Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.1



#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
RT: 12.578 min Scan# 1781  
Delta R.T. 0.171 min  
Lab File: VY021756.D  
Acq: 02 Apr 2025 13:45

Tgt Ion: 95 Resp: 22  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 170.8  
176 0.0 0.0 162.0



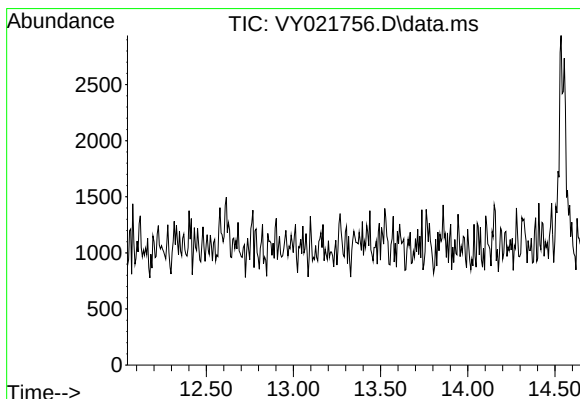
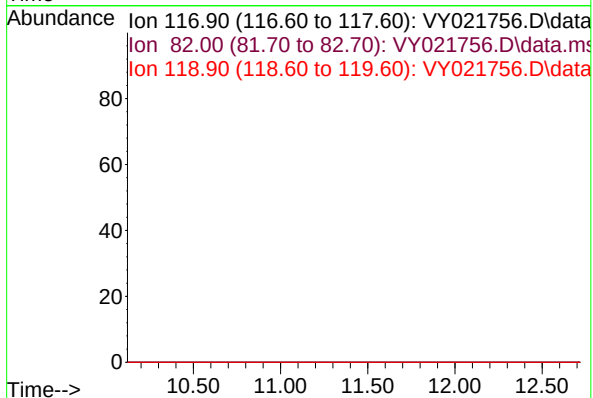


#63  
 Chlorobenzene-d5  
 Concen: 0.000 ug/l  
 Expected RT: 11.42 min  
 Lab File: VY021756.D  
 Acq: 02 Apr 2025 13:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-02-040125

Tgt Ion: 117  

| Sig | Exp Ratio |
|-----|-----------|
| 117 | 100       |
| 82  | 53.5      |
| 119 | 32.1      |



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ug/l  
 Expected RT: 13.35 min  
 Lab File: VY021756.D  
 Acq: 02 Apr 2025 13:45

Tgt Ion: 152  

| Sig | Exp Ratio |
|-----|-----------|
| 152 | 100       |
| 115 | 57.7      |
| 150 | 174.2     |

