

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061325\  
 Data File : VY022692.D  
 Acq On : 13 Jun 2025 13:05  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 14 02:04:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 206191   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 385654   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 315562   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 112798   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 114011   | 49.438   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.880% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 114599   | 49.785   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.560% |
| 50) Toluene-d8              | 10.103 | 98    | 464689   | 49.961   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.920% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 115721   | 41.758   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 83.520% |

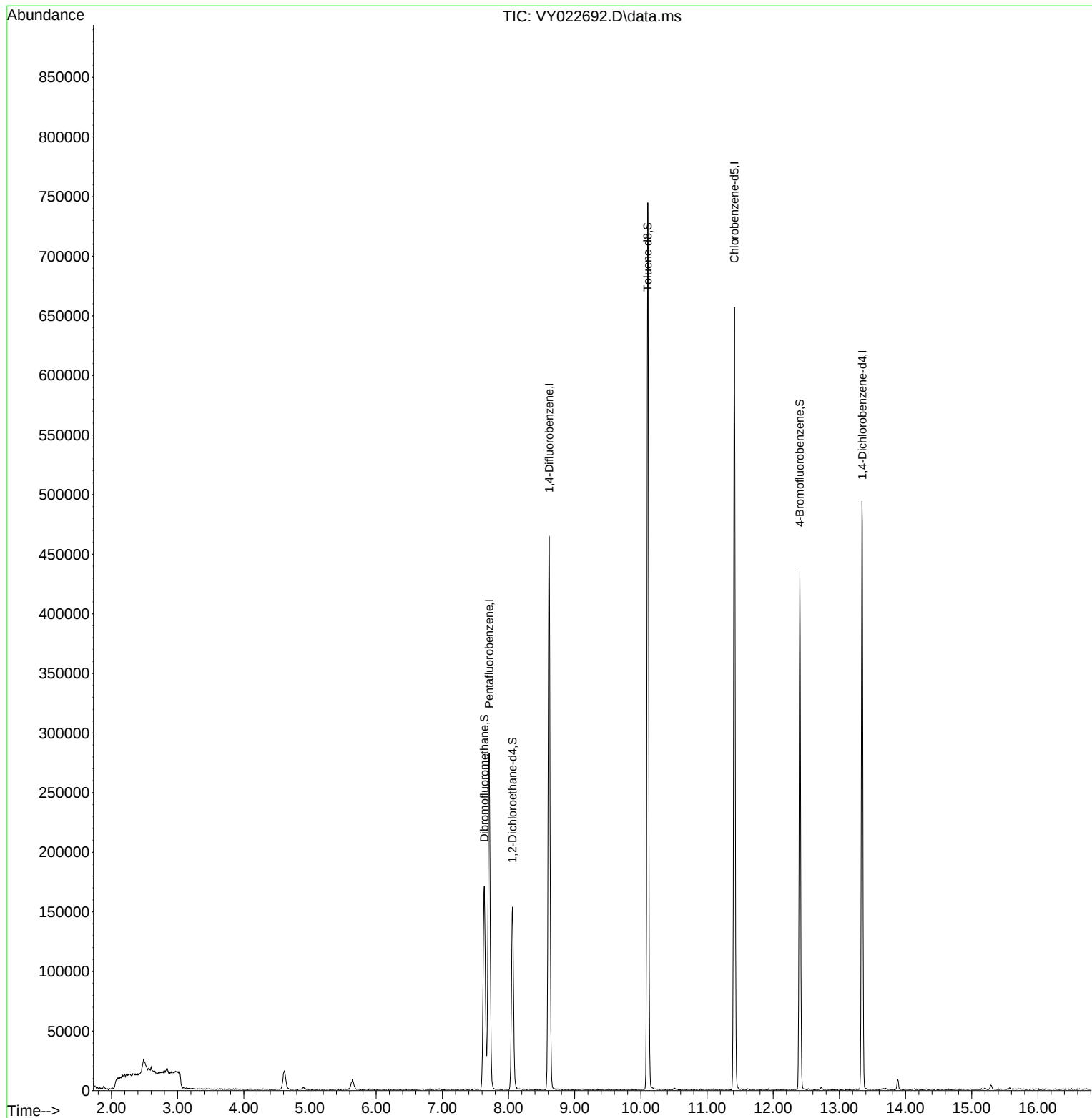
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

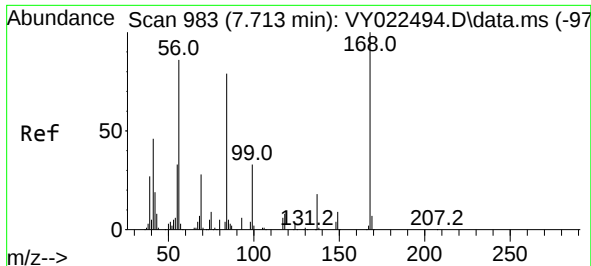
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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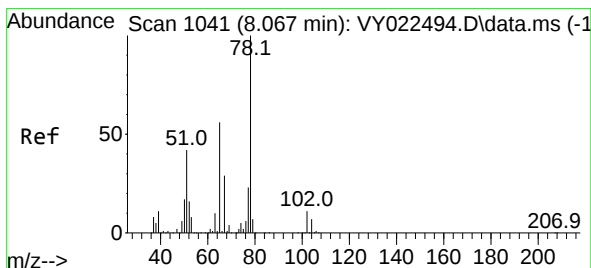
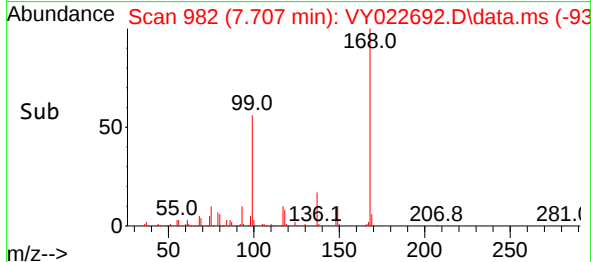
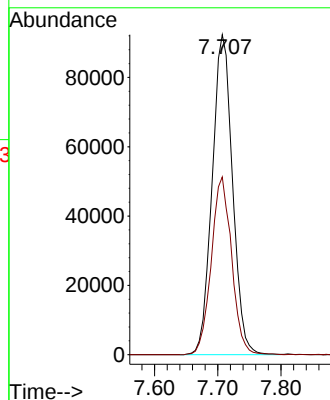
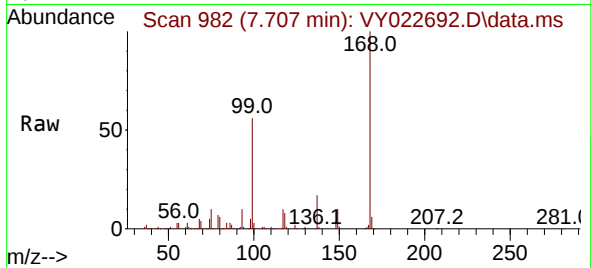




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022692.D  
Acq: 13 Jun 2025 13:05

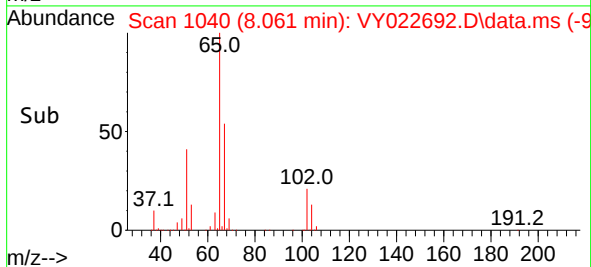
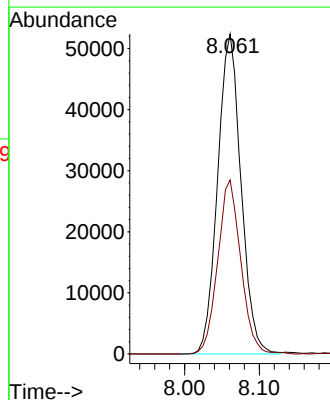
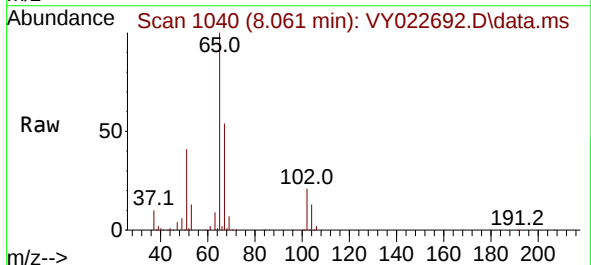
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:168 Resp: 206191  
Ion Ratio Lower Upper  
168 100  
99 55.6 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 49.438 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022692.D  
Acq: 13 Jun 2025 13:05

Tgt Ion: 65 Resp: 114011  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022692.D

Acq: 13 Jun 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

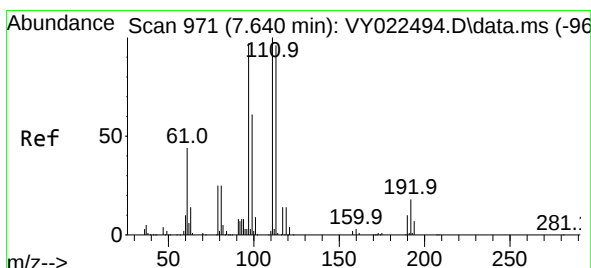
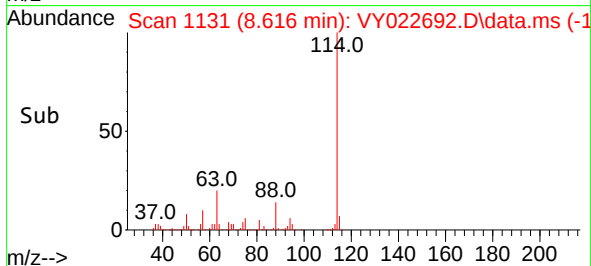
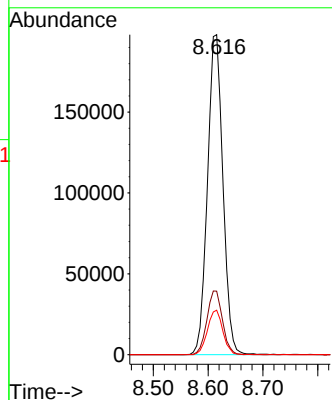
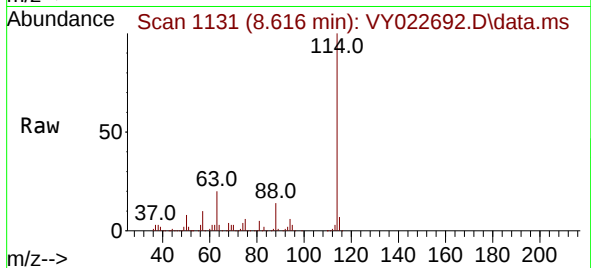
Tgt Ion:114 Resp: 385654

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 13.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 49.785 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022692.D

Acq: 13 Jun 2025 13:05

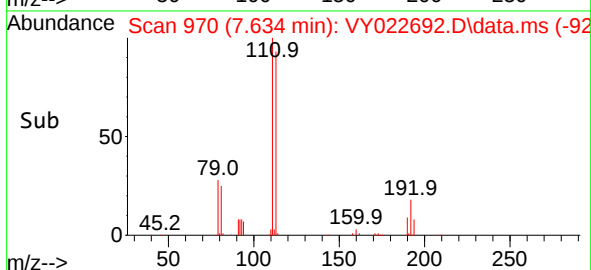
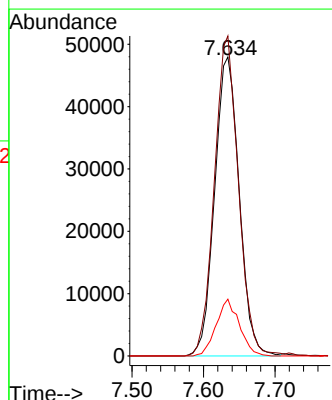
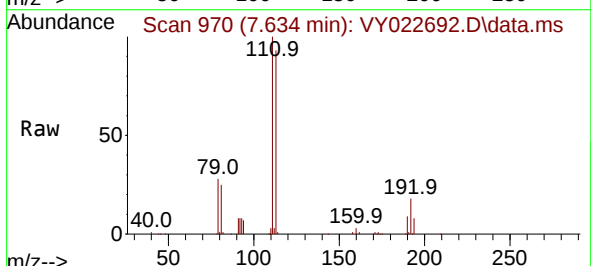
Tgt Ion:113 Resp: 114599

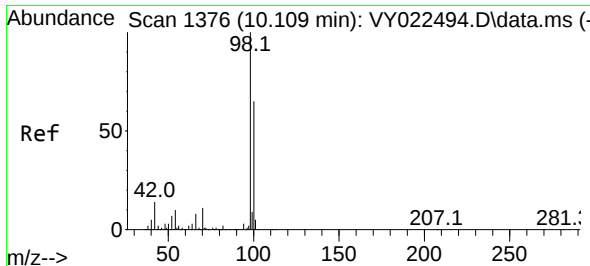
Ion Ratio Lower Upper

113 100

111 105.1 81.1 121.7

192 17.9 14.2 21.2

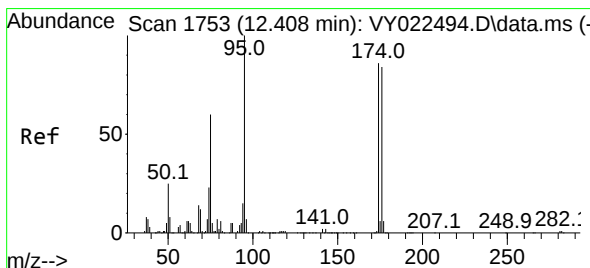
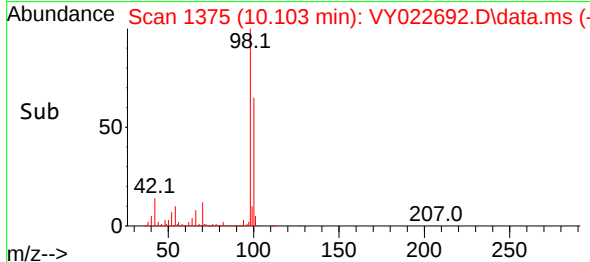
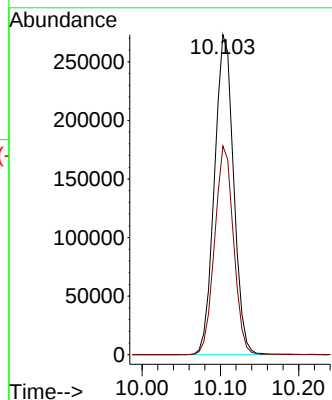
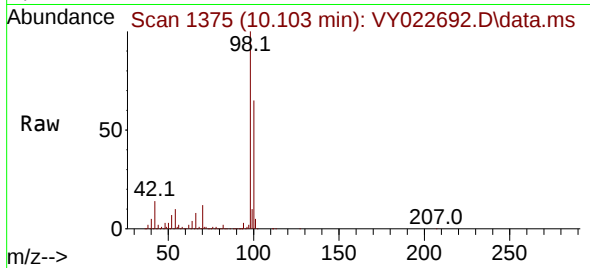




#50  
Toluene-d8  
Concen: 49.961 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022692.D  
Acq: 13 Jun 2025 13:05

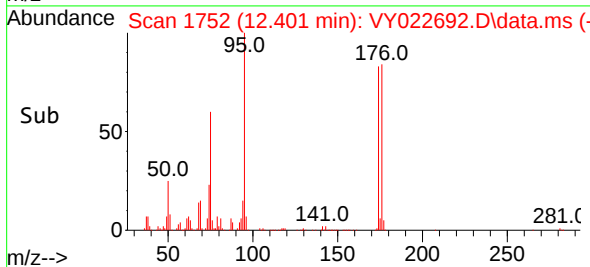
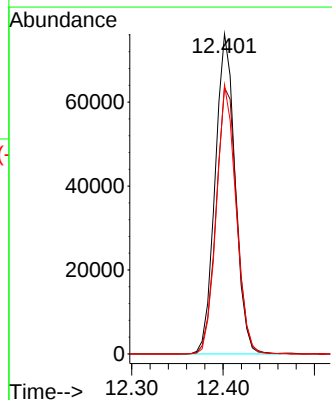
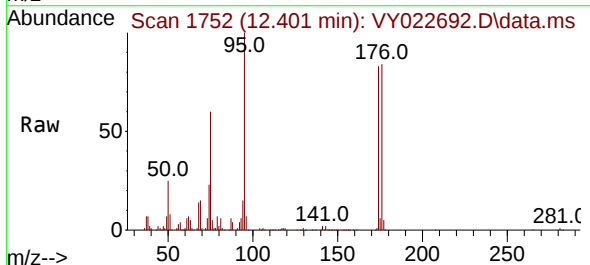
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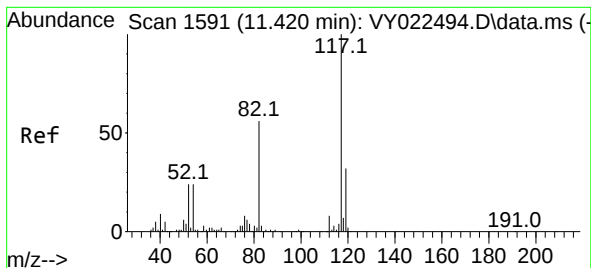
Tgt Ion: 98 Resp: 464689  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.758 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022692.D  
Acq: 13 Jun 2025 13:05

Tgt Ion: 95 Resp: 115721  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 170.0  
176 82.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022692.D

Acq: 13 Jun 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

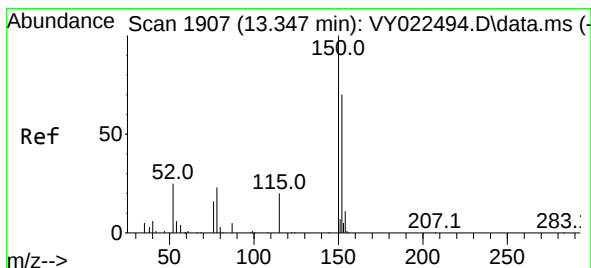
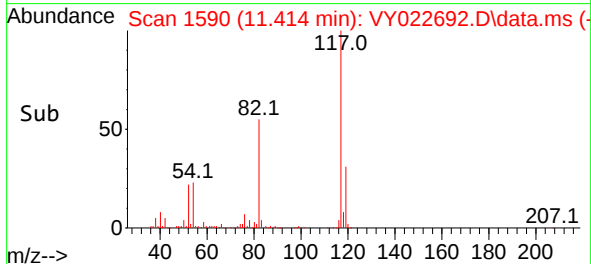
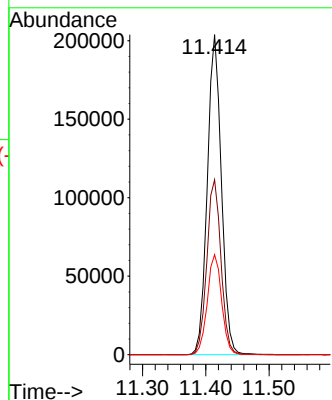
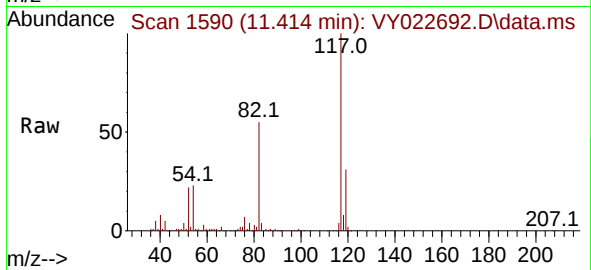
Tgt Ion:117 Resp: 315562

Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 31.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022692.D

Acq: 13 Jun 2025 13:05

Tgt Ion:152 Resp: 112798

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 161.2 0.0 349.6

