

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010725\  
 Data File : VY020794.D  
 Acq On : 07 Jan 2025 15:56  
 Operator : SY/MD  
 Sample : Q1029-03  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-01-01072025

Quant Time: Jan 08 00:55:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 01:31:46 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.732  | 168   | 2362     | 50.000   | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.634  | 114   | 3597     | 50.000   | ug/l  | 0.01     |
| 63) Chlorobenzene-d5        | 11.432 | 117   | 2242     | 50.000   | ug/l  | # 0.01   |
| 72) 1,4-Dichlorobenzene-d4  | 13.371 | 152   | 390      | 50.000   | ug/l  | 0.02     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.079  | 65    | 1461     | 72.773   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 145.540% |
| 35) Dibromofluoromethane    | 7.646  | 113   | 1443     | 64.034   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 128.060% |
| 50) Toluene-d8              | 10.121 | 98    | 4099     | 52.179   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 104.360% |
| 62) 4-Bromofluorobenzene    | 12.420 | 95    | 391      | 13.478   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 26.960%# |

Target Compounds Qvalue

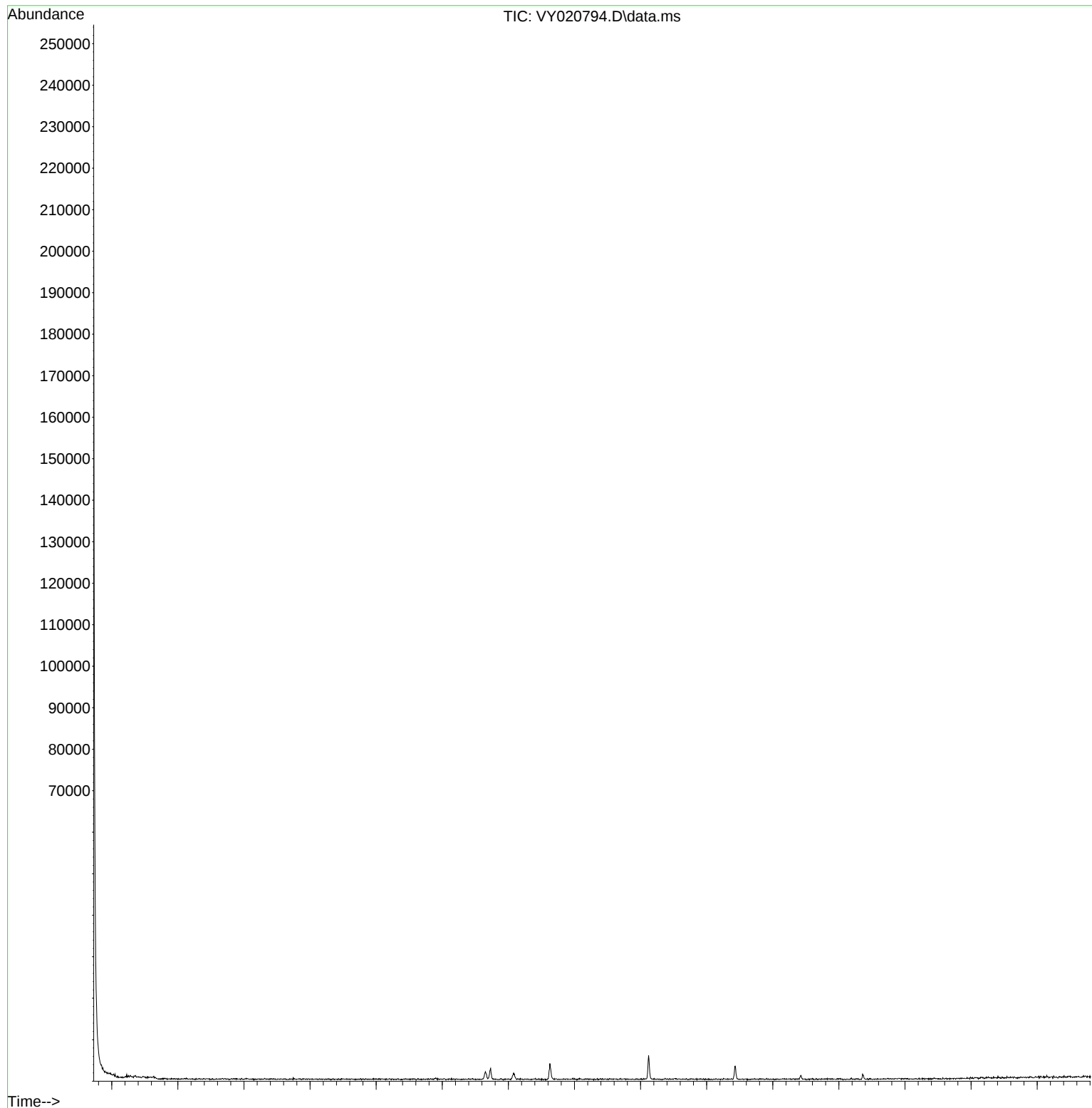
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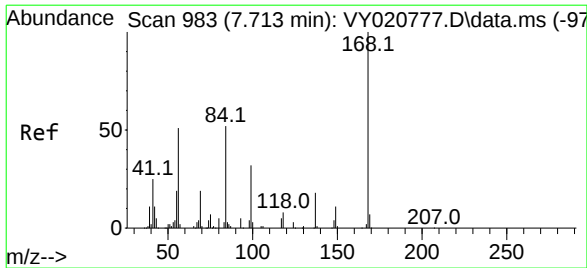
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 07 01:31:46 2025  
Response via : Initial Calibration

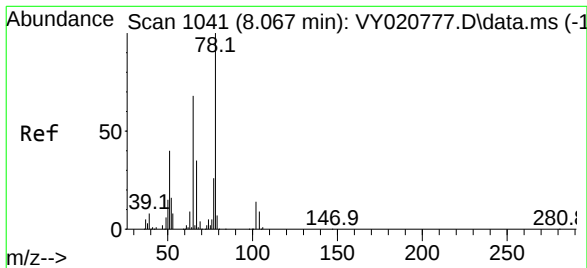
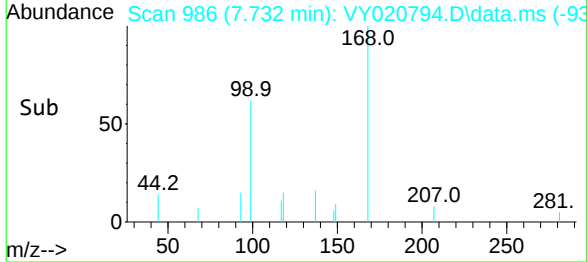
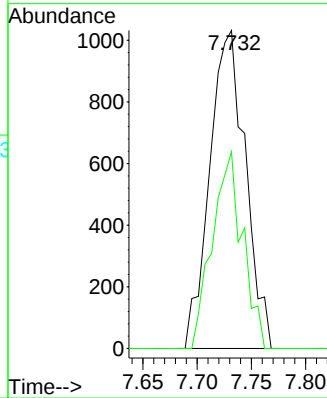
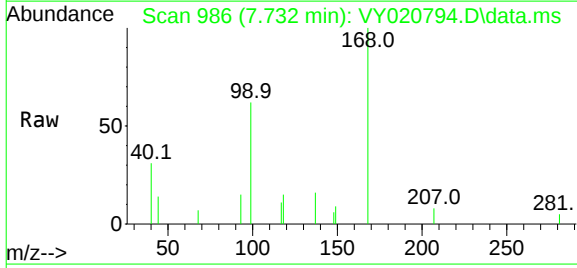




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.732 min Scan# 98  
Delta R.T. 0.019 min  
Lab File: VY020794.D  
Acq: 07 Jan 2025 15:56

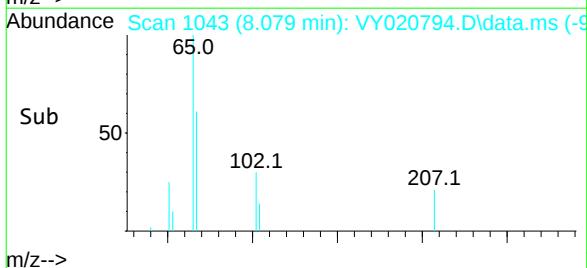
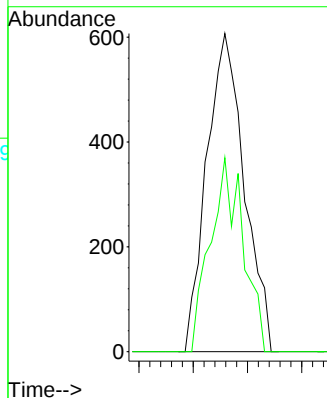
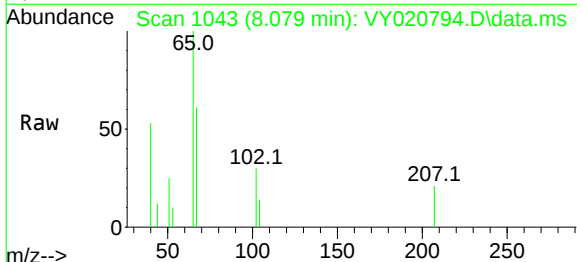
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-01072025

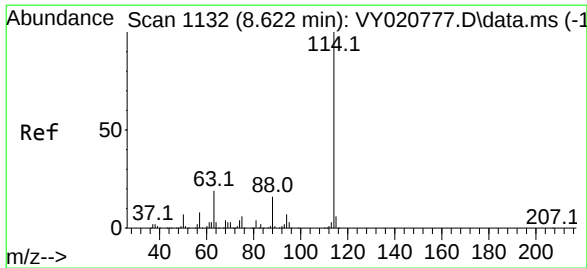
Tgt Ion:168 Resp: 2362  
Ion Ratio Lower Upper  
168 100  
99 61.8 44.3 66.5



#33  
1,2-Dichloroethane-d4  
Concen: 72.773 ug/l  
RT: 8.079 min Scan# 1043  
Delta R.T. 0.012 min  
Lab File: VY020794.D  
Acq: 07 Jan 2025 15:56

Tgt Ion: 65 Resp: 1461  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 102.8

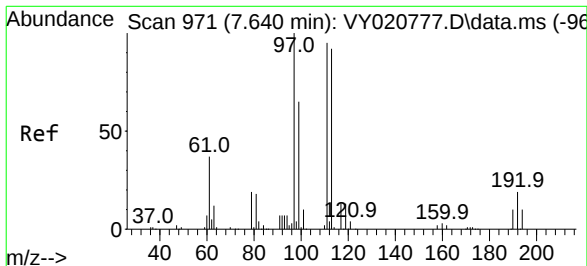
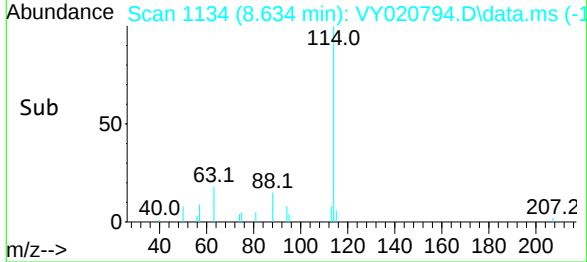
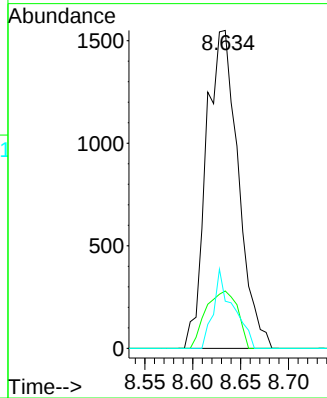
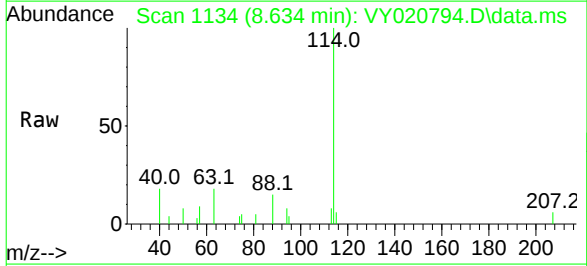




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.634 min Scan# 1132  
Delta R.T. 0.012 min  
Lab File: VY020794.D  
Acq: 07 Jan 2025 15:56

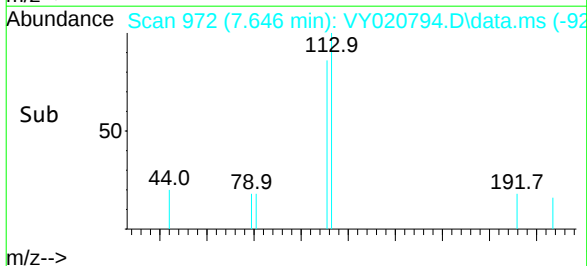
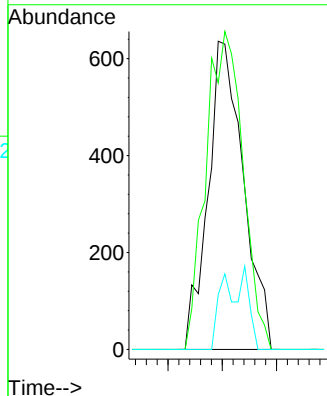
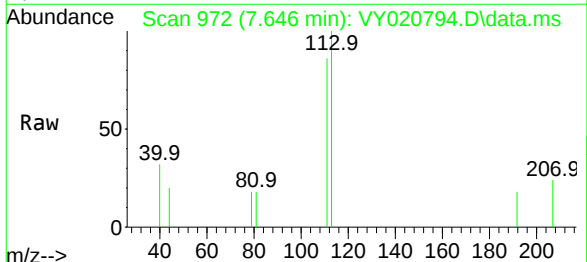
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-01-01072025

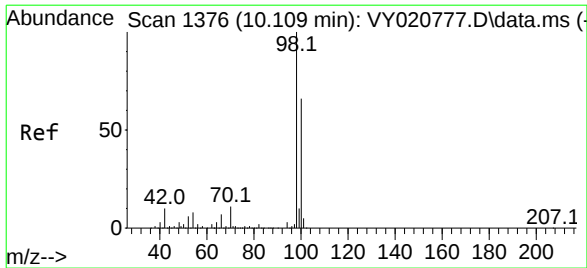
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 3597  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.1  | 0.0   | 38.4  |
| 88       | 14.8  | 0.0   | 31.2  |



#35  
Dibromofluoromethane  
Concen: 64.034 ug/l  
RT: 7.646 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: VY020794.D  
Acq: 07 Jan 2025 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 1443  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 107.9 | 81.7  | 122.5 |
| 192      | 0.0   | 16.7  | 25.1# |





#50

Toluene-d8

Concen: 52.179 ug/l

RT: 10.121 min Scan# 1376

Delta R.T. 0.012 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

Instrument :

MSVOA\_Y

ClientSampleId :

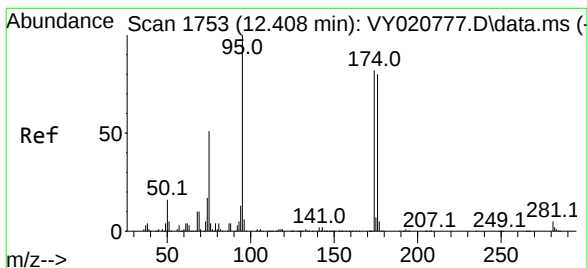
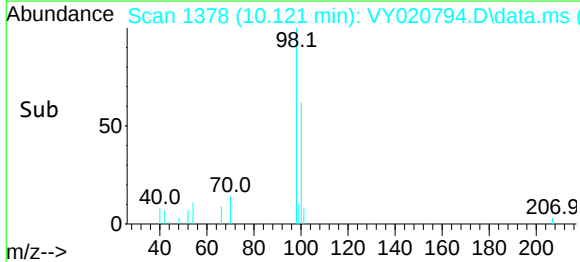
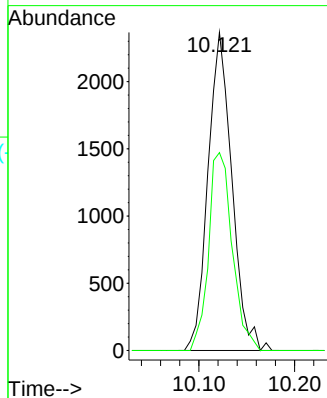
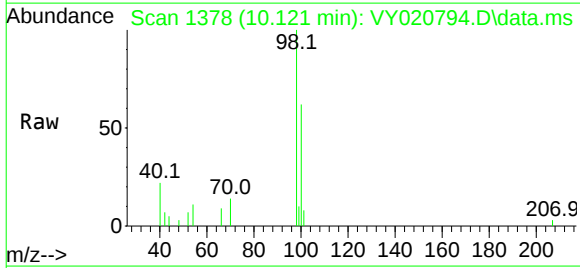
HR-01-01072025

Tgt Ion: 98 Resp: 4099

Ion Ratio Lower Upper

98 100

100 61.8 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 13.478 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.012 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

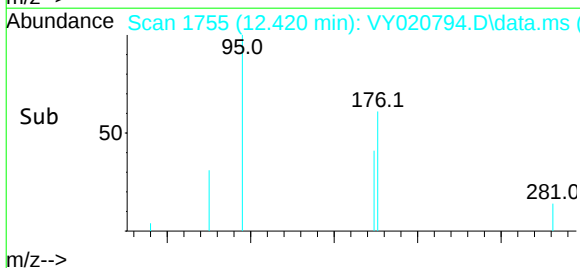
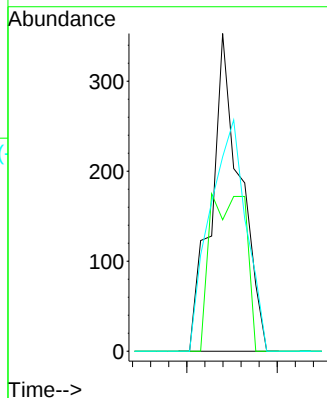
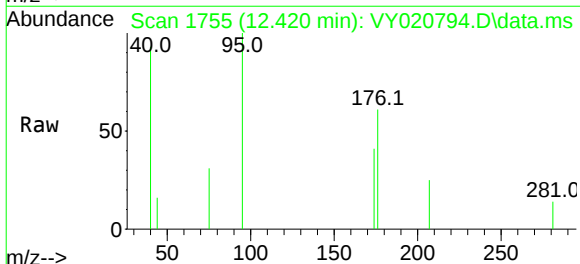
Tgt Ion: 95 Resp: 391

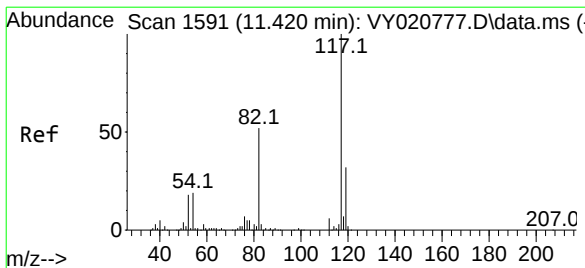
Ion Ratio Lower Upper

95 100

174 62.1 0.0 178.0

176 91.3 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

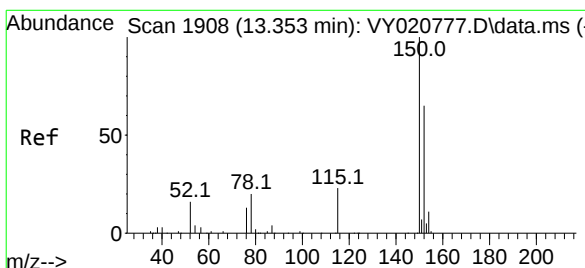
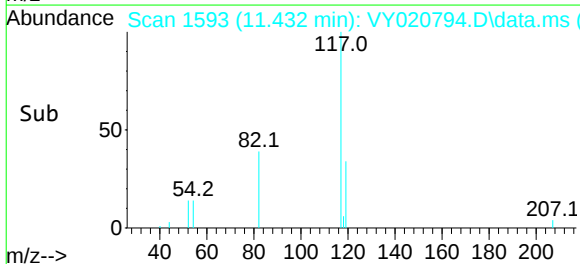
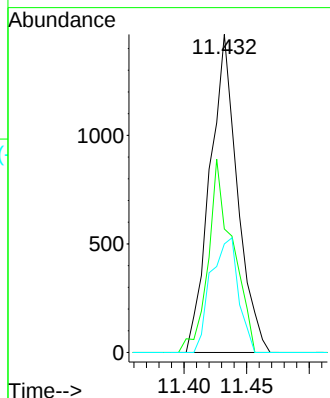
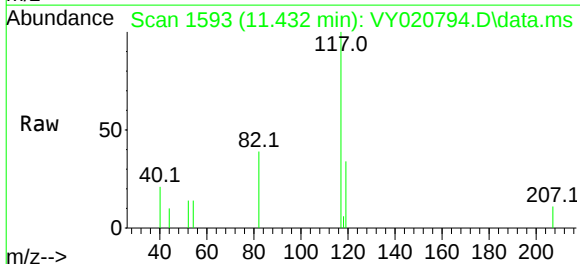
Instrument :

MSVOA\_Y

ClientSampleId :

HR-01-01072025

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2242  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 38.8  | 41.8  | 62.6  |
| 119      | 34.1  | 25.8  | 38.8  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.018 min

Lab File: VY020794.D

Acq: 07 Jan 2025 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 390   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 42.3  | 29.0  | 87.0  |
| 150      | 125.9 | 0.0   | 347.4 |

