

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012225\  
 Data File : VY020899.D  
 Acq On : 22 Jan 2025 15:20  
 Operator : SY/MD  
 Sample : Q1156-01  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 281

Quant Time: Jan 23 00:46:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 00:38:42 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.731  | 168   | 57670    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.634  | 114   | 86575    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.432 | 117   | 70865    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.365 | 152   | 21259    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.085  | 65    | 28106    | 57.339   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 114.680% |
| 35) Dibromofluoromethane    | 7.658  | 113   | 29177    | 53.794   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 107.580% |
| 50) Toluene-d8              | 10.127 | 98    | 91100    | 48.182   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 96.360%  |
| 62) 4-Bromofluorobenzene    | 12.426 | 95    | 23745    | 34.008   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 68.020%  |

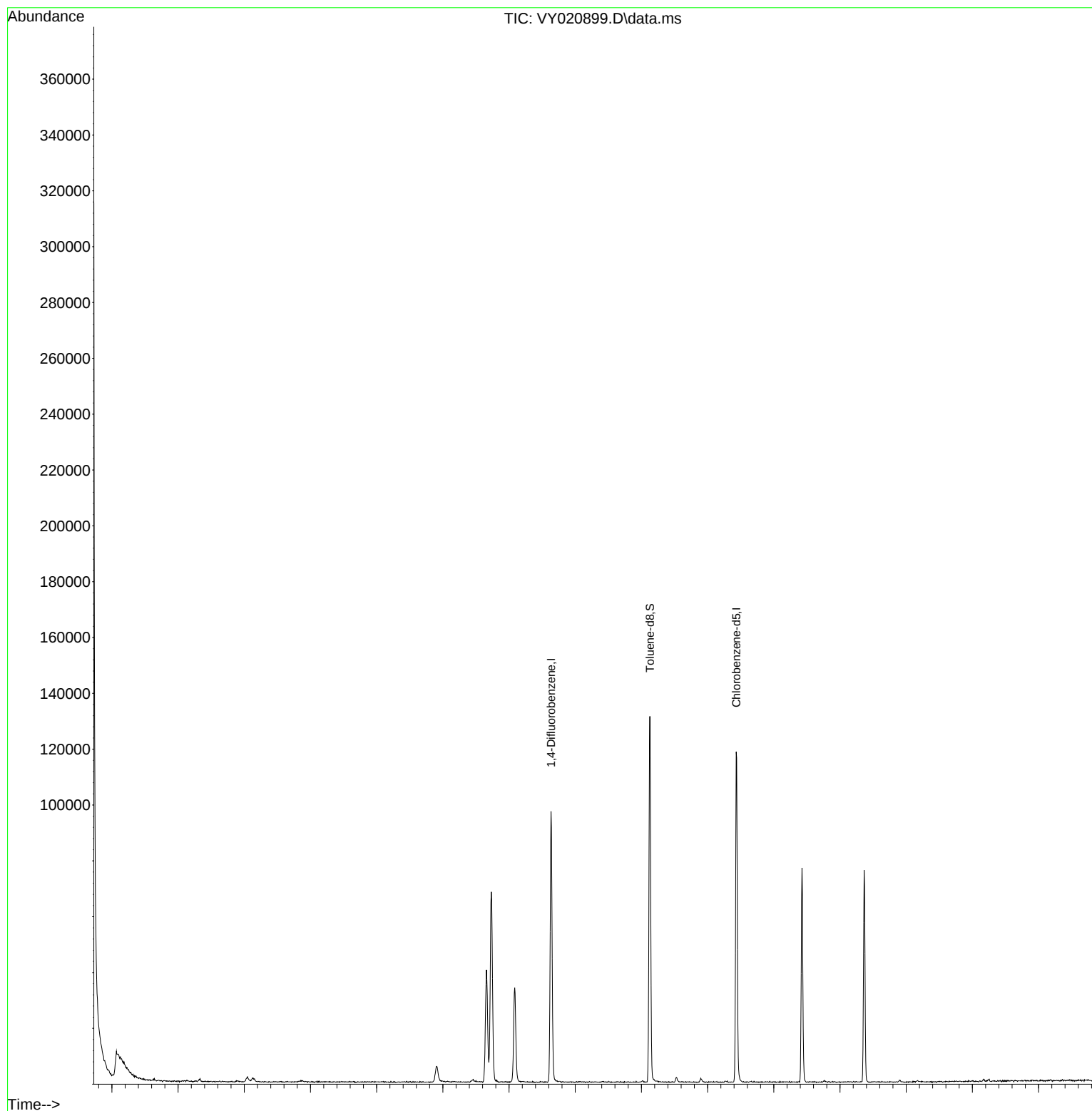
Target Compounds Qvalue

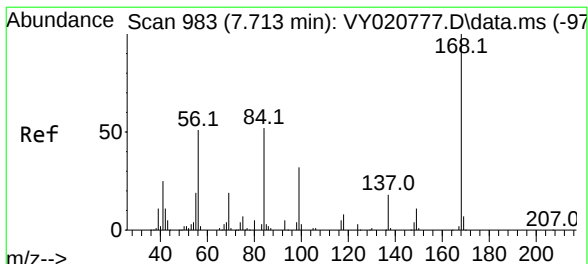
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 00:38:42 2025  
Response via : Initial Calibration



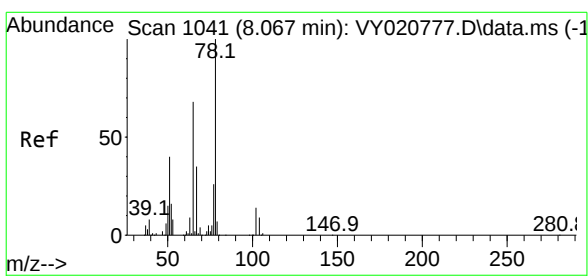
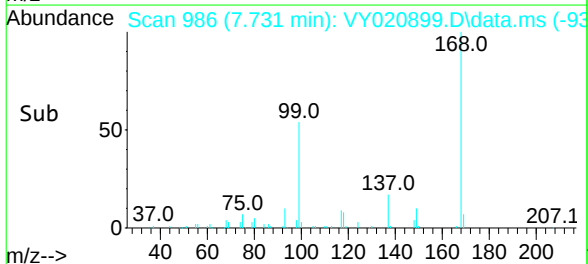
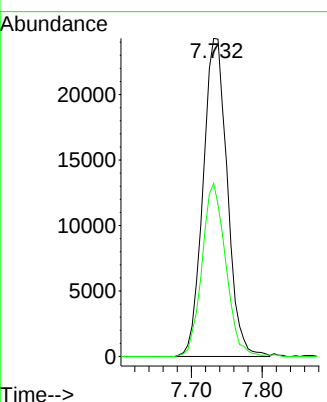
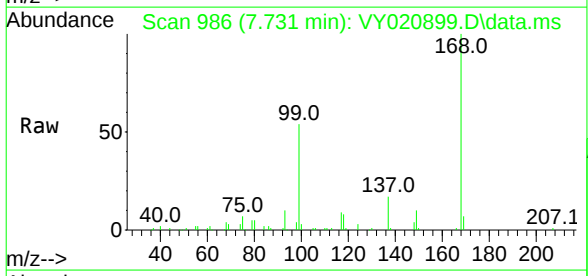


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.731 min Scan# 98  
 Delta R.T. -0.006 min  
 Lab File: VY020899.D  
 Acq: 22 Jan 2025 15:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 281

Tgt Ion: 168 Resp: 57670

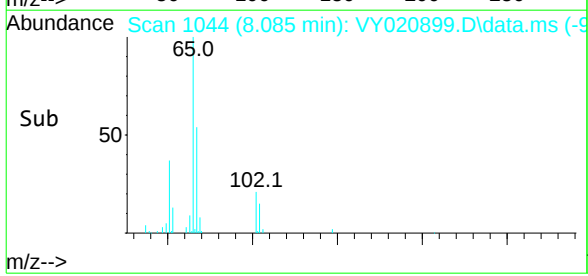
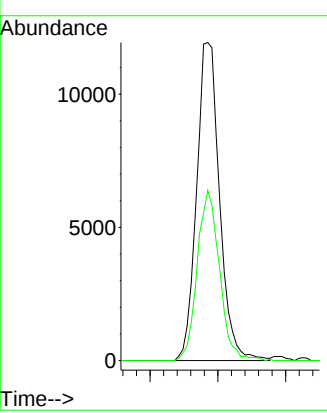
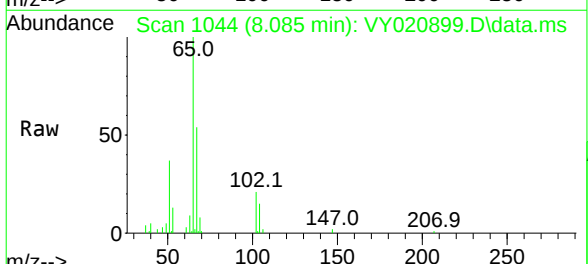
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 99  | 54.4  | 44.3  | 66.5  |

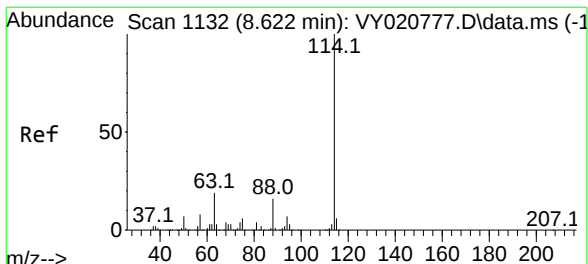


#33  
 1,2-Dichloroethane-d4  
 Concen: 57.339 ug/l  
 RT: 8.085 min Scan# 1044  
 Delta R.T. -0.006 min  
 Lab File: VY020899.D  
 Acq: 22 Jan 2025 15:20

Tgt Ion: 65 Resp: 28106

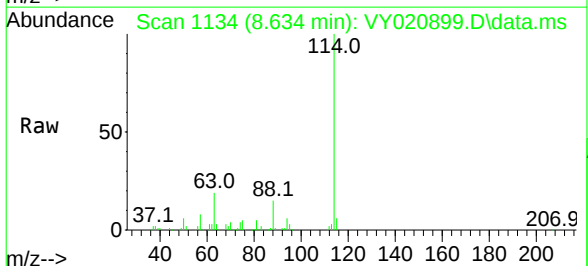
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 51.8  | 0.0   | 102.8 |



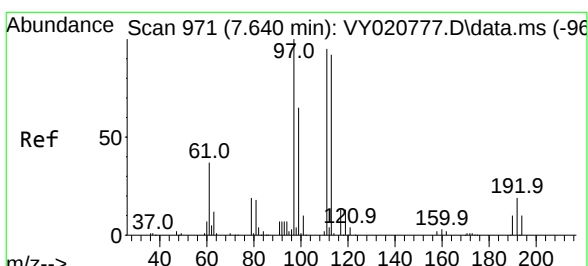
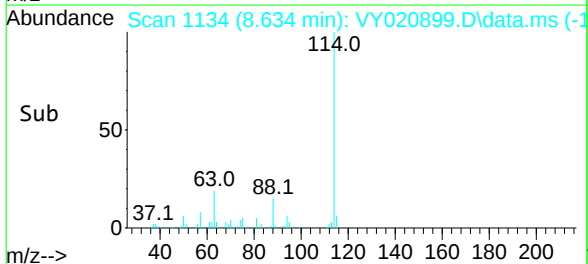
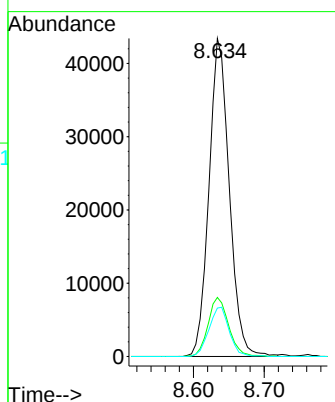


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.634 min Scan# 1134  
 Delta R.T. -0.006 min  
 Lab File: VY020899.D  
 Acq: 22 Jan 2025 15:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 281

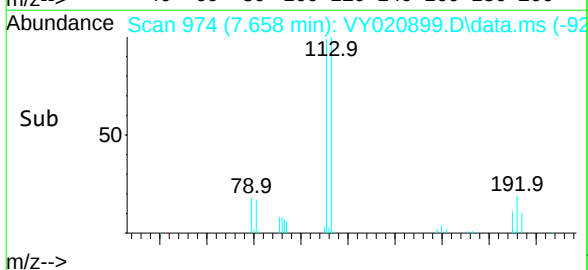
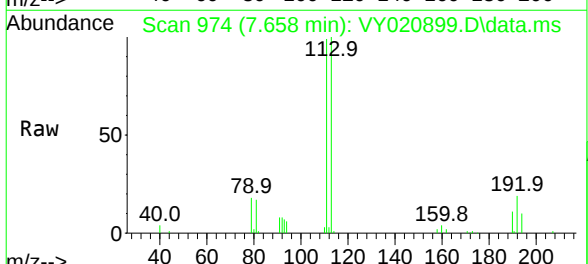
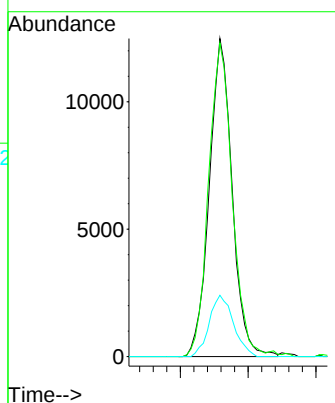


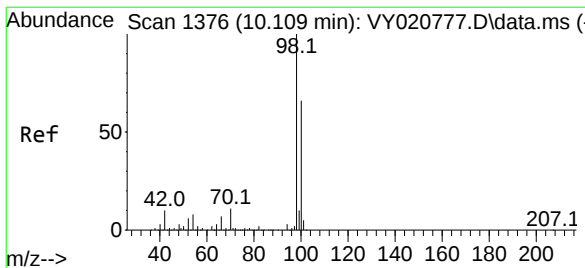
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 86575 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.6  | 0.0   | 38.4  |
| 88       | 15.2  | 0.0   | 31.2  |



#35  
 Dibromofluoromethane  
 Concen: 53.794 ug/l  
 RT: 7.658 min Scan# 974  
 Delta R.T. -0.006 min  
 Lab File: VY020899.D  
 Acq: 22 Jan 2025 15:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 29177 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.4 | 81.7  | 122.5 |
| 192      | 20.4  | 16.7  | 25.1  |





#50

Toluene-d8

Concen: 48.182 ug/l

RT: 10.127 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Instrument :

MSVOA\_Y

ClientSampleId :

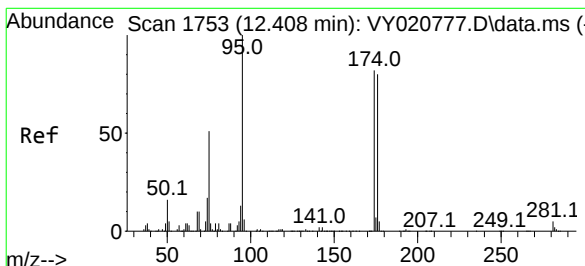
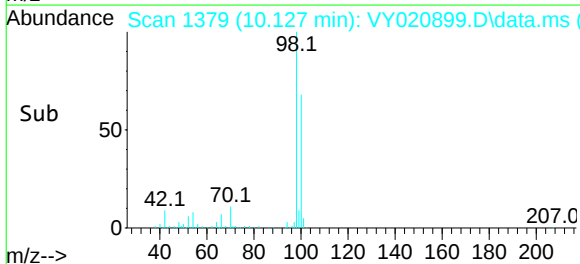
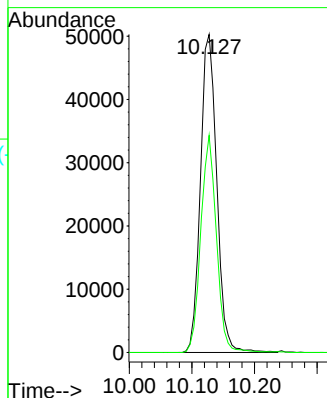
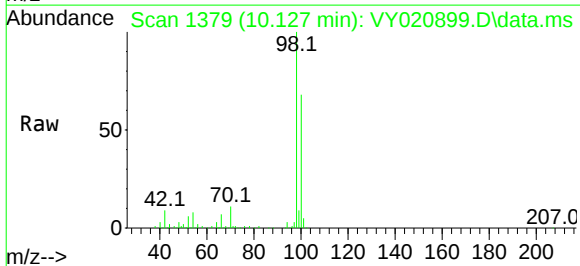
281

Tgt Ion: 98 Resp: 91100

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 34.008 ug/l

RT: 12.426 min Scan# 1756

Delta R.T. 0.000 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

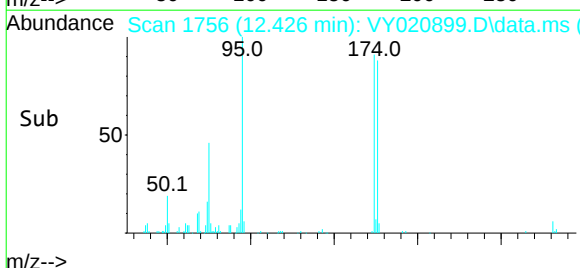
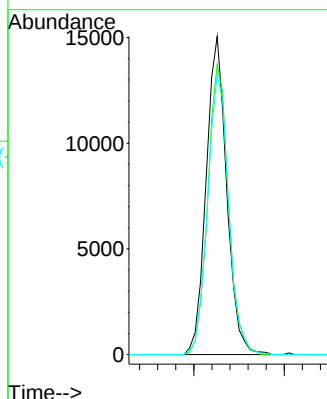
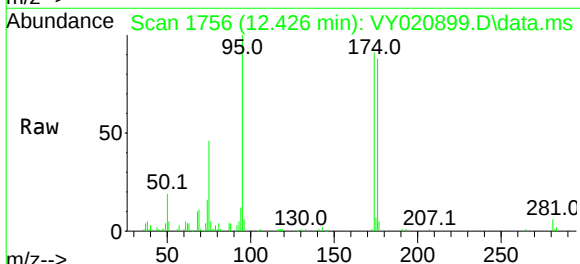
Tgt Ion: 95 Resp: 23745

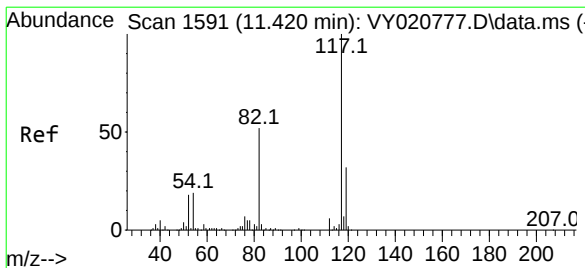
Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.0

176 90.7 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 15

Delta R.T. -0.006 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Instrument :

MSVOA\_Y

ClientSampleId :

281

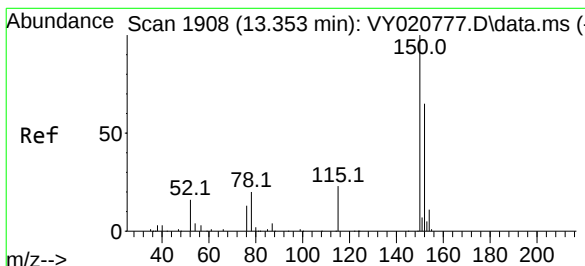
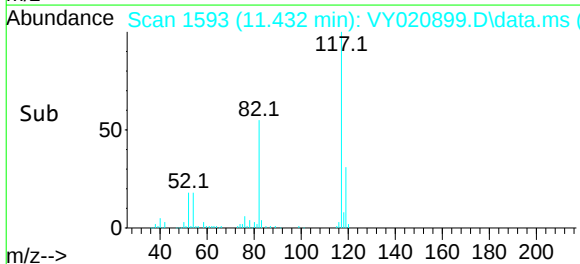
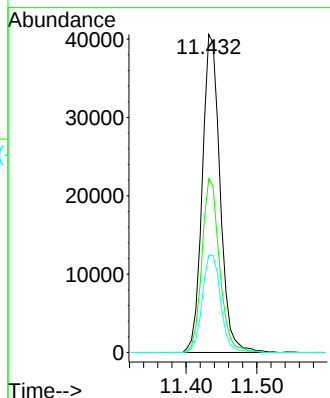
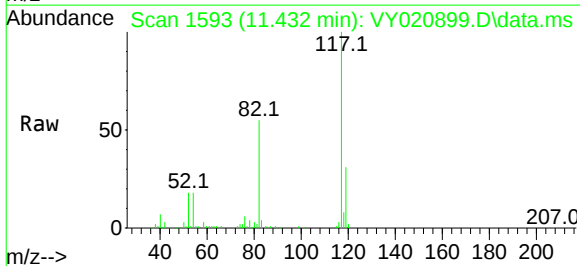
Tgt Ion:117 Resp: 70865

Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.6

119 30.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY020899.D

Acq: 22 Jan 2025 15:20

Tgt Ion:152 Resp: 21259

Ion Ratio Lower Upper

152 100

115 57.6 29.0 87.0

150 157.8 0.0 347.4

