

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013025\  
 Data File : VY020987.D  
 Acq On : 30 Jan 2025 15:49  
 Operator : SY/MD  
 Sample : Q1207-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JPP-2.1-012725

Quant Time: Jan 31 04:41:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y013025S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 31 02:19:37 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 318303   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 481883   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 373394   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.353 | 152   | 146856   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 113973   | 42.055   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 84.120%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 125069   | 43.172   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 86.340%  |
| 50) Toluene-d8              | 10.109 | 98    | 455466   | 40.281   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 80.560%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 130832   | 34.483   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 68.960%  |

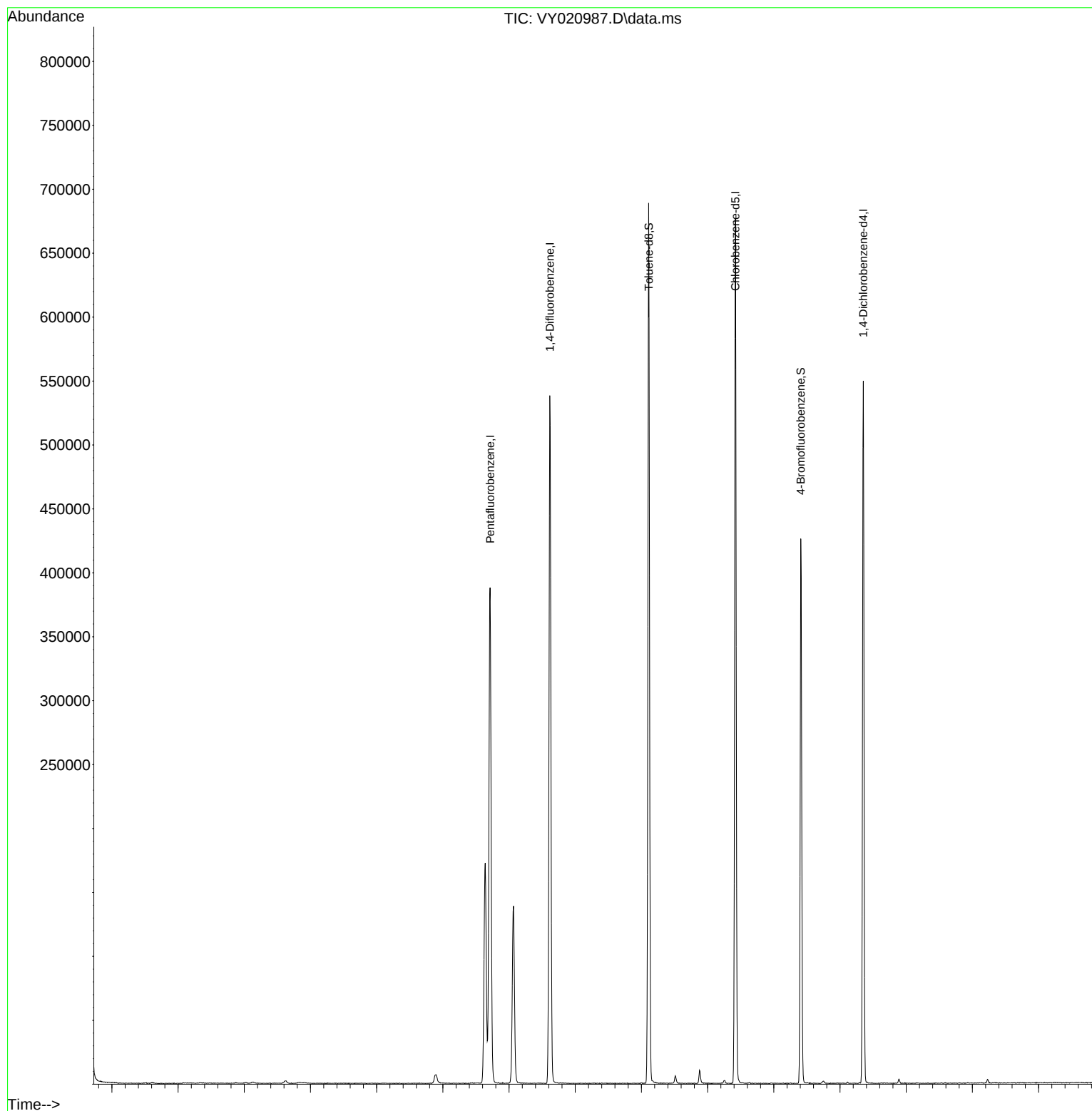
Target Compounds Qvalue

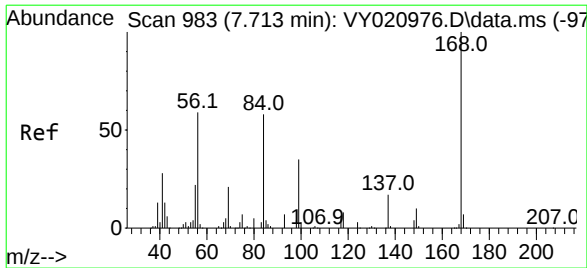
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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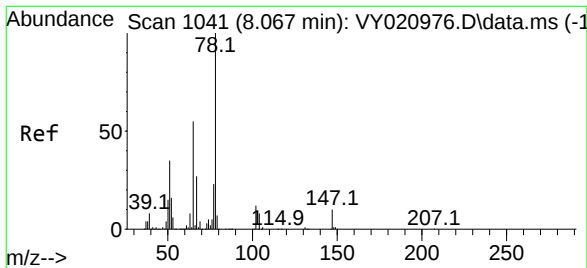
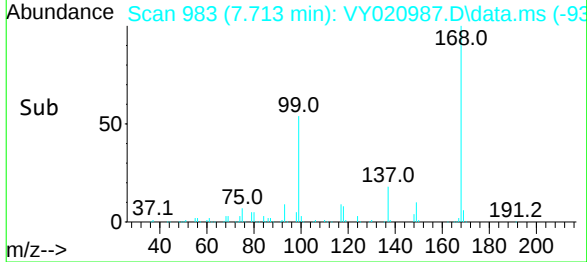
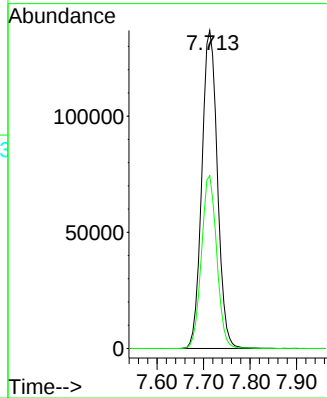
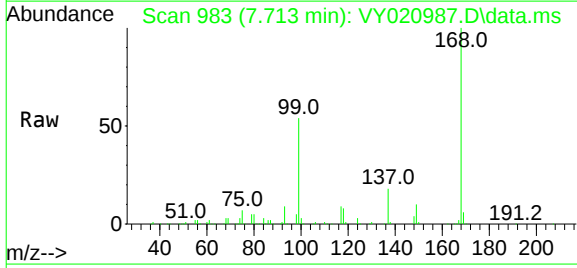




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY020987.D  
Acq: 30 Jan 2025 15:49

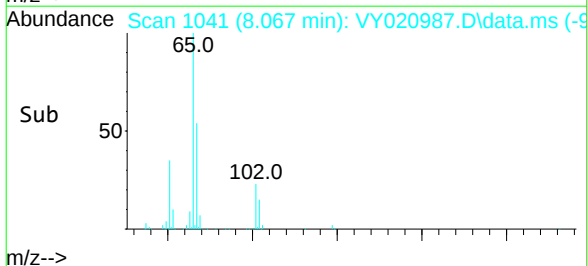
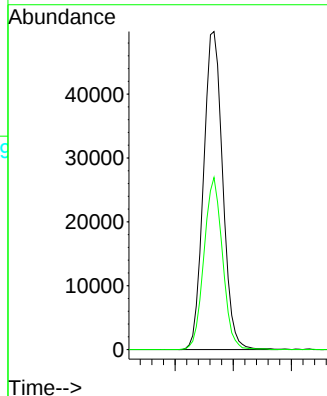
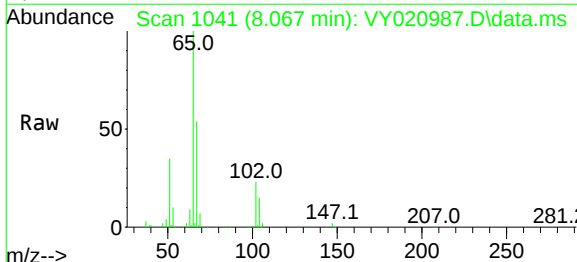
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-2.1-012725

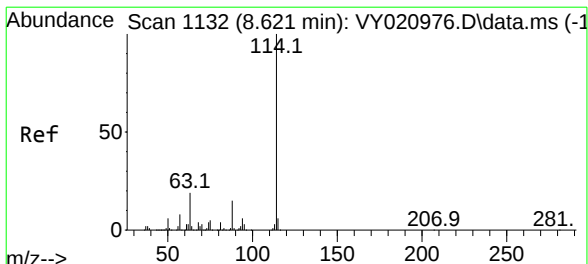
Tgt Ion:168 Resp: 318303  
Ion Ratio Lower Upper  
168 100  
99 54.4 42.2 63.2



#33  
1,2-Dichloroethane-d4  
Concen: 42.055 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: VY020987.D  
Acq: 30 Jan 2025 15:49

Tgt Ion: 65 Resp: 113973  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 104.4

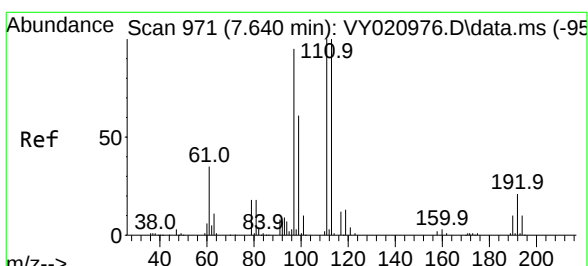
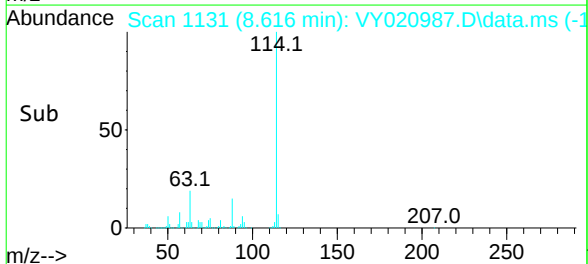
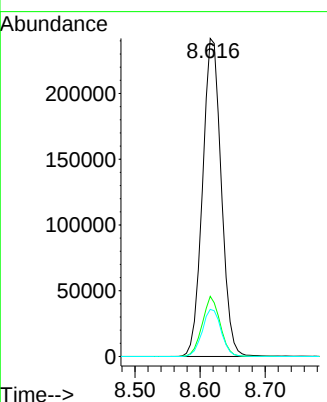
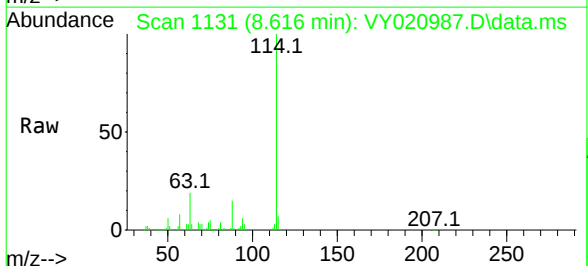




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.006 min  
 Lab File: VY020987.D  
 Acq: 30 Jan 2025 15:49

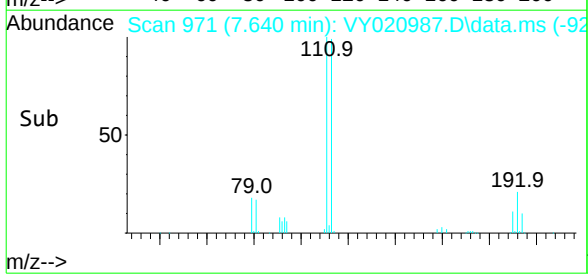
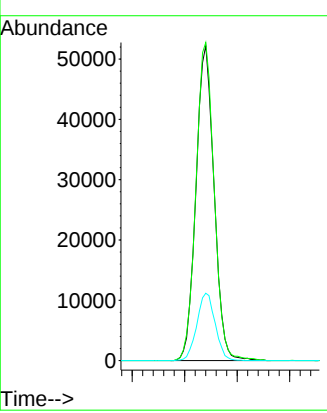
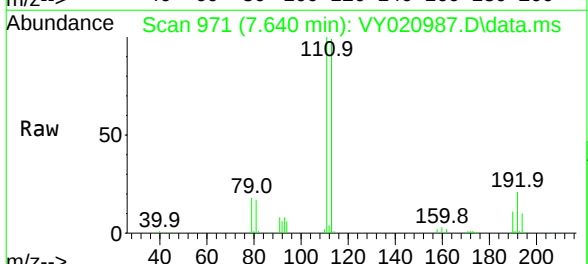
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JPP-2.1-012725

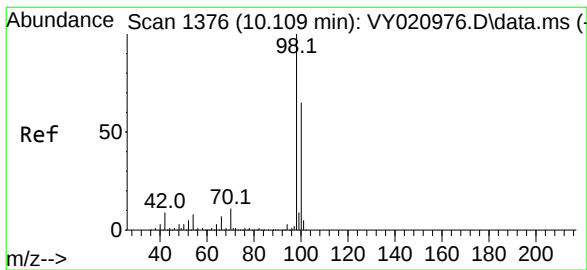
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 481883 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.9  | 0.0   | 37.2   |
| 88       | 14.8  | 0.0   | 29.6   |



#35  
 Dibromofluoromethane  
 Concen: 43.172 ug/l  
 RT: 7.640 min Scan# 971  
 Delta R.T. 0.000 min  
 Lab File: VY020987.D  
 Acq: 30 Jan 2025 15:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 125069 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.7 | 82.6  | 123.8  |
| 192      | 21.6  | 16.8  | 25.2   |





#50

Toluene-d8

Concen: 40.281 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

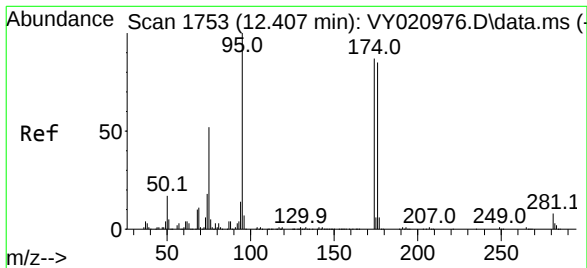
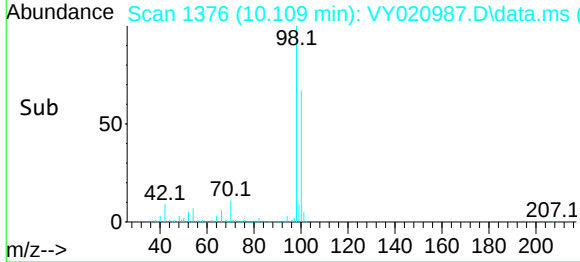
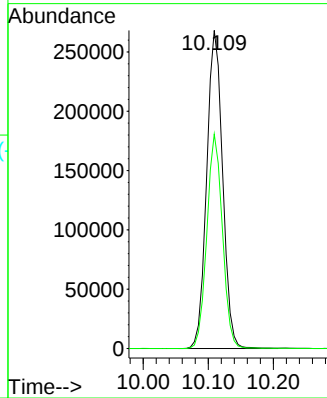
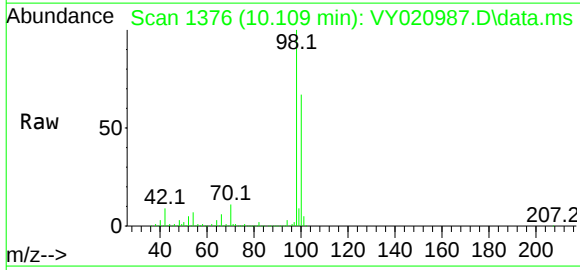
JPP-2.1-012725

Tgt Ion: 98 Resp: 455466

Ion Ratio Lower Upper

98 100

100 65.9 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 34.483 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

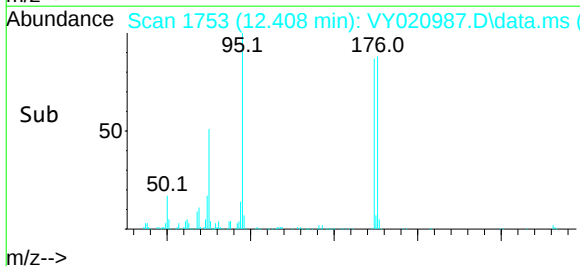
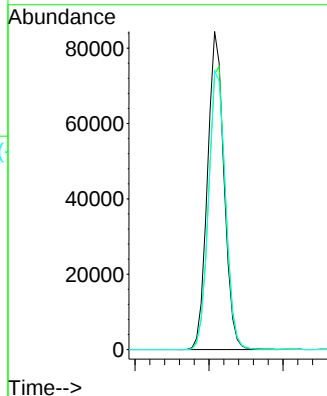
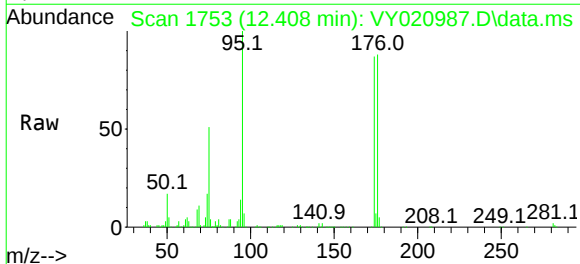
Tgt Ion: 95 Resp: 130832

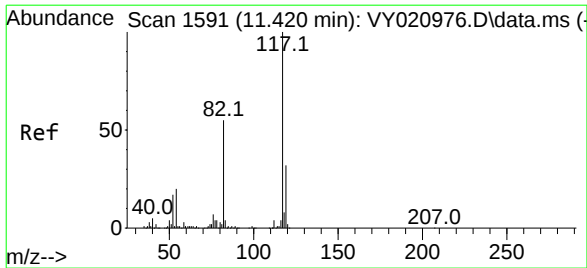
Ion Ratio Lower Upper

95 100

174 91.1 0.0 181.2

176 89.5 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

JPP-2.1-012725

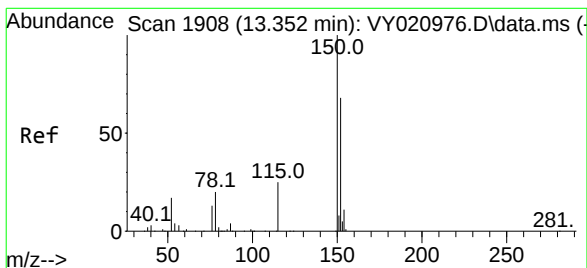
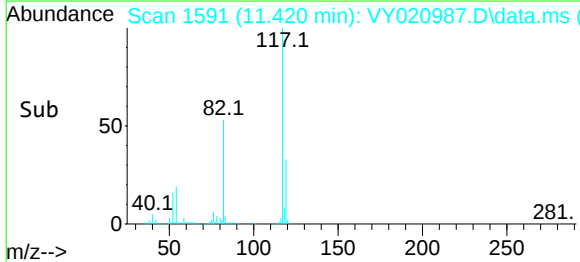
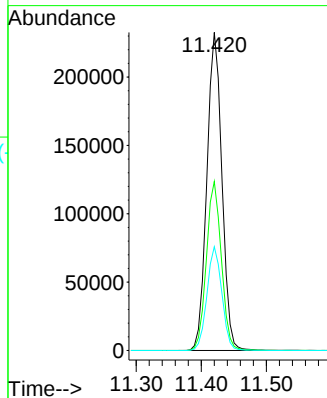
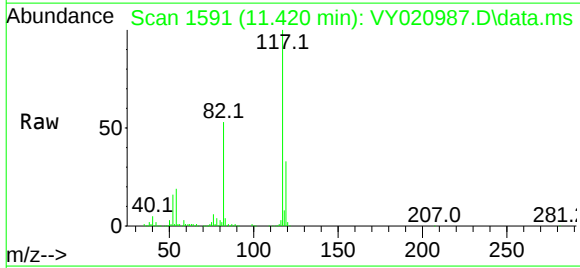
Tgt Ion:117 Resp: 373394

Ion Ratio Lower Upper

117 100

82 53.1 44.2 66.2

119 32.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020987.D

Acq: 30 Jan 2025 15:49

Tgt Ion:152 Resp: 146856

Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.2

150 158.4 0.0 342.8

