

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013025\  
 Data File : VY020992.D  
 Acq On : 30 Jan 2025 17:42  
 Operator : SY/MD  
 Sample : Q1216-05  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JPP-21.1-012825

Quant Time: Jan 31 04:43:28 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       | 7.707  | 168   | 10578    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 14360    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 9100     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.353 | 152   | 1262     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 4528     | 50.276   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 100.560% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 4518     | 52.334   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 104.660% |
| 50) Toluene-d8              | 10.109 | 98    | 13231    | 39.267   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 78.540%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 1740     | 15.389   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 30.780%  |

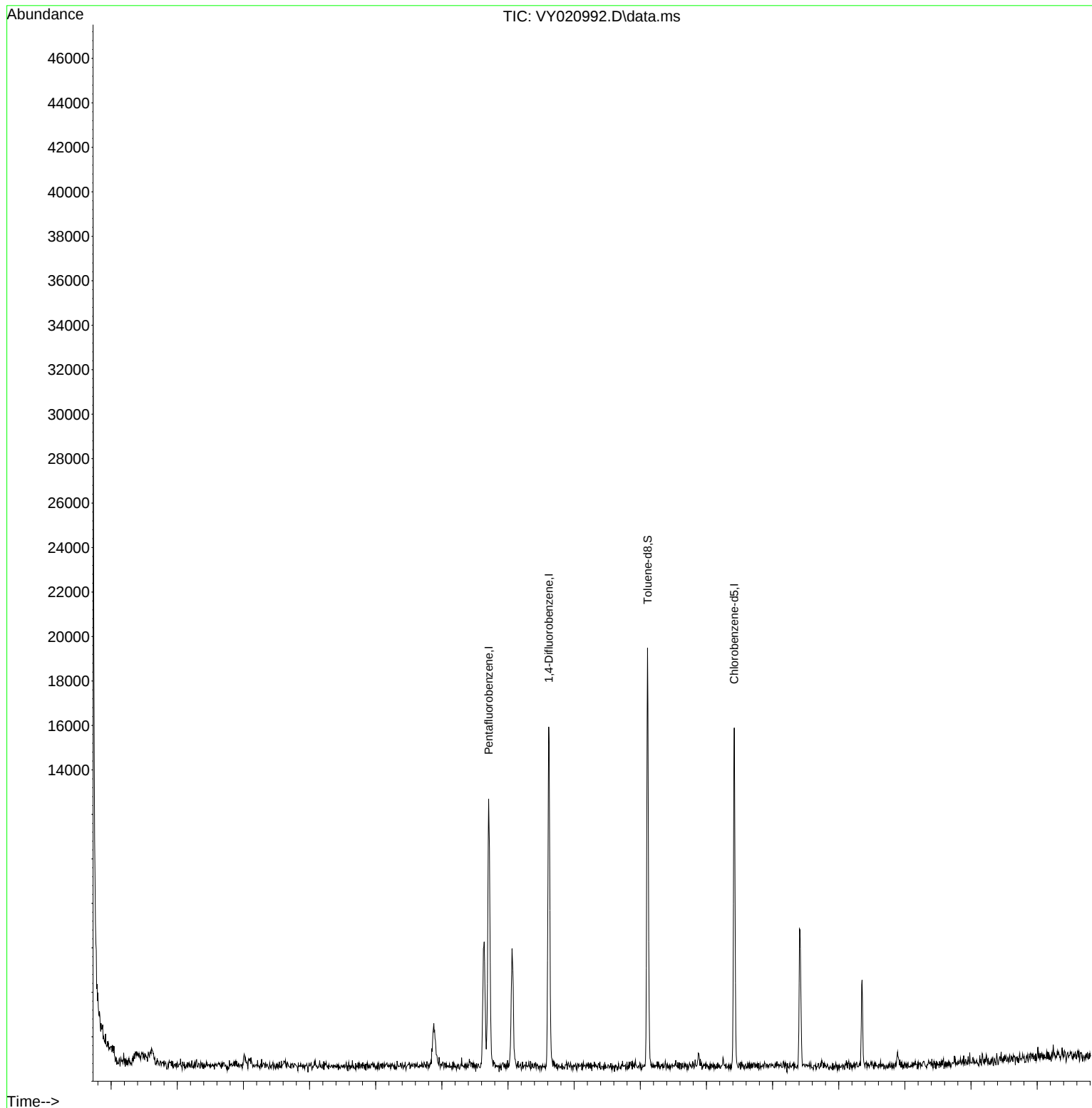
Target Compounds Qvalue

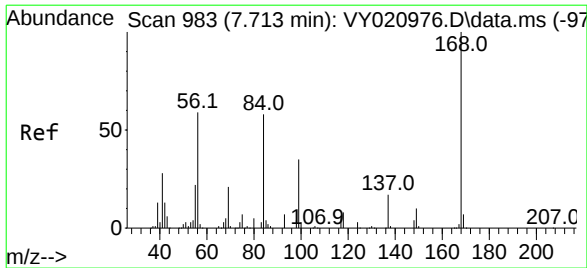
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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JPP-21.1-012825

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Quant Title : SW846 8260  
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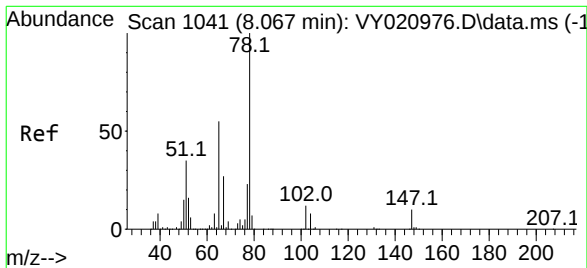
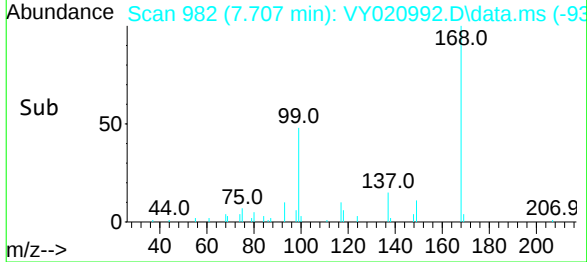
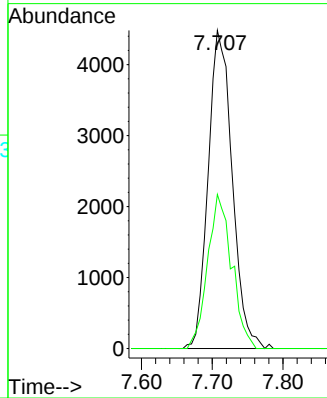
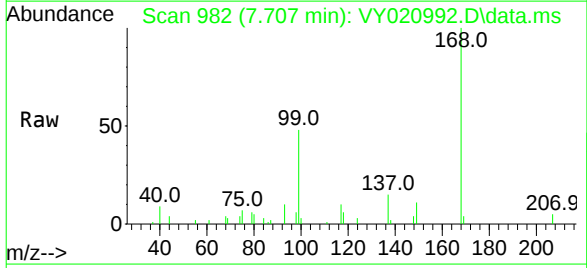




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: VY020992.D  
Acq: 30 Jan 2025 17:42

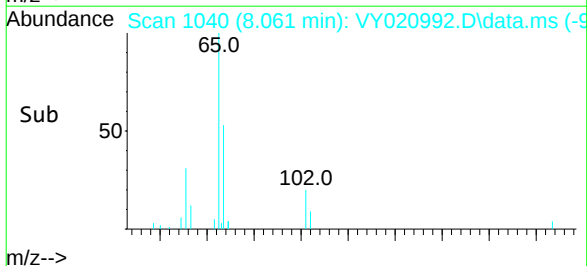
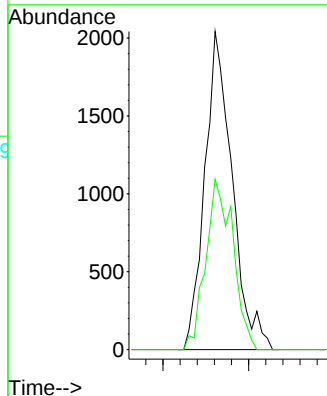
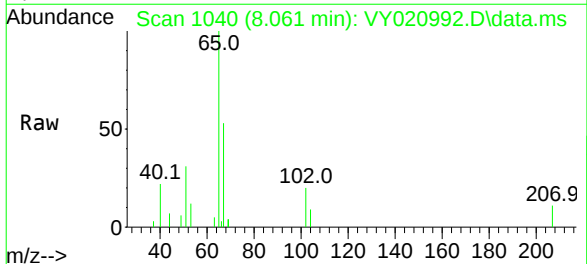
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-21.1-012825

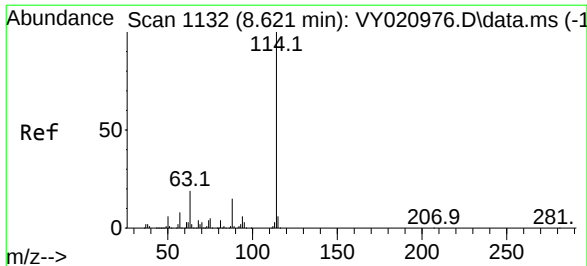
Tgt Ion:168 Resp: 10578  
Ion Ratio Lower Upper  
168 100  
99 48.4 42.2 63.2



#33  
1,2-Dichloroethane-d4  
Concen: 50.276 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY020992.D  
Acq: 30 Jan 2025 17:42

Tgt Ion: 65 Resp: 4528  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 104.4

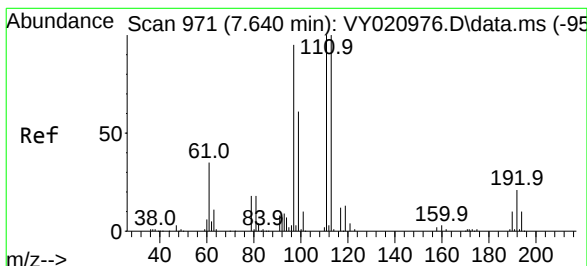
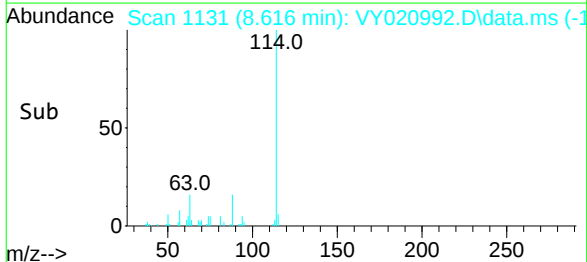
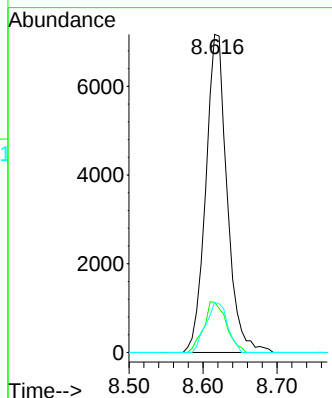
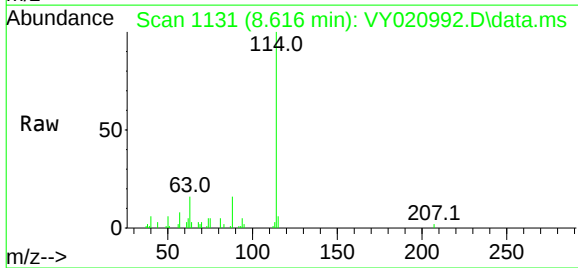




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY020992.D  
Acq: 30 Jan 2025 17:42

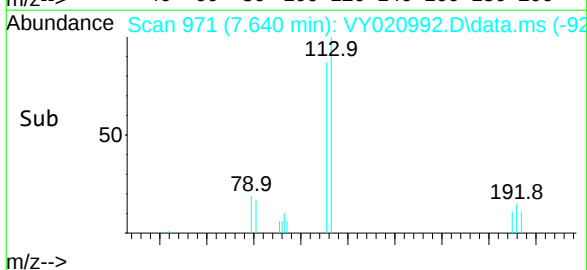
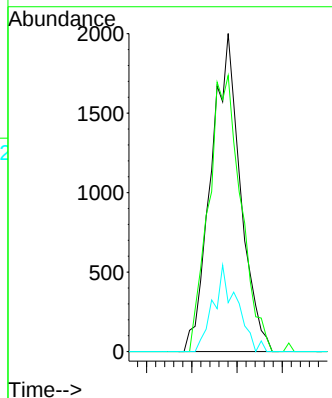
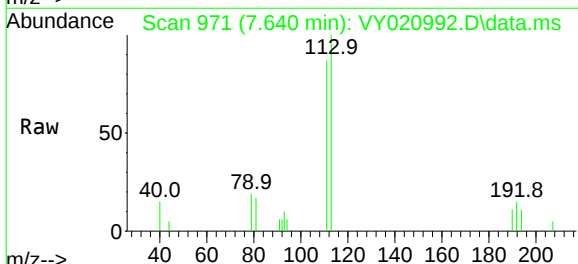
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JPP-21.1-012825

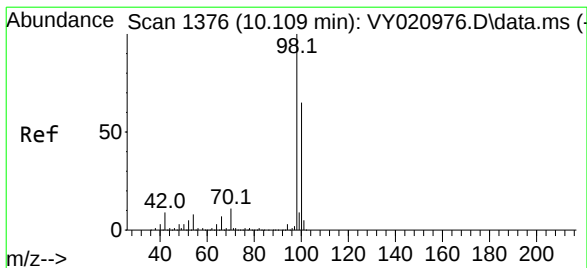
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 15.8  | 0.0   | 37.2  |
| 88      | 15.7  | 0.0   | 29.6  |



#35  
Dibromofluoromethane  
Concen: 52.334 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.000 min  
Lab File: VY020992.D  
Acq: 30 Jan 2025 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 95.2  | 82.6  | 123.8 |
| 192     | 21.8  | 16.8  | 25.2  |





#50

Toluene-d8

Concen: 39.267 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020992.D

Acq: 30 Jan 2025 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

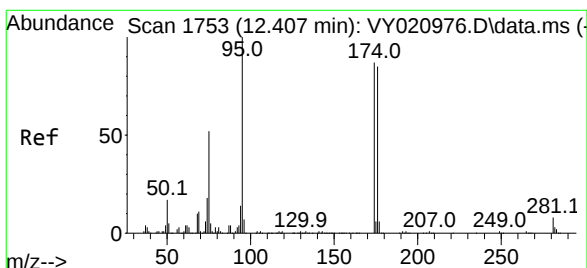
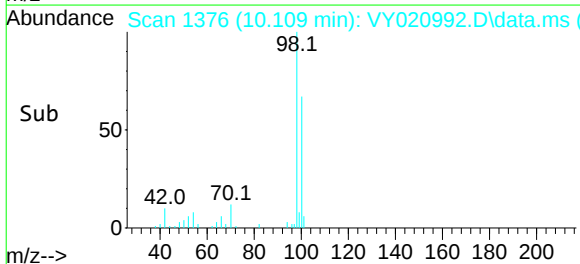
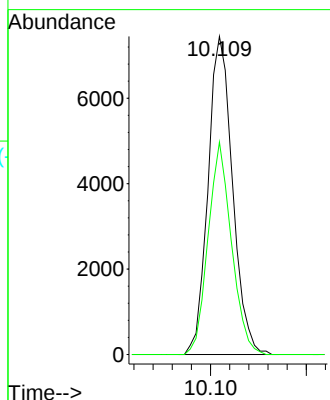
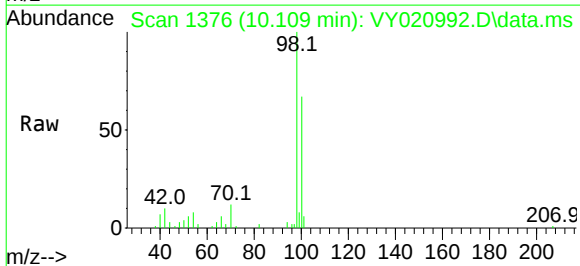
JPP-21.1-012825

Tgt Ion: 98 Resp: 13231

Ion Ratio Lower Upper

98 100

100 63.7 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 15.389 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020992.D

Acq: 30 Jan 2025 17:42

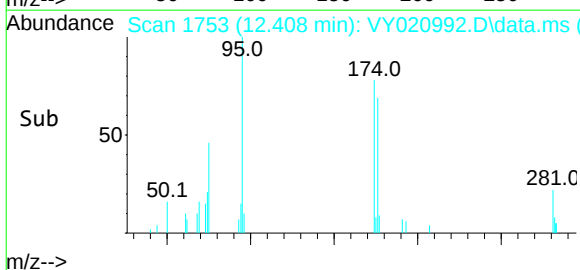
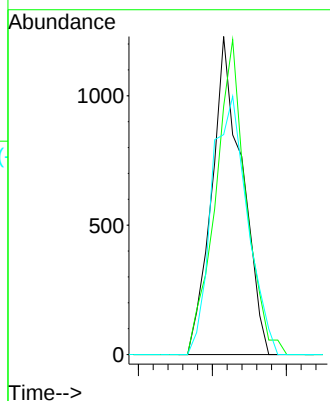
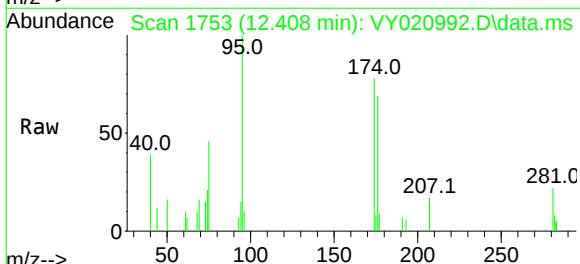
Tgt Ion: 95 Resp: 1740

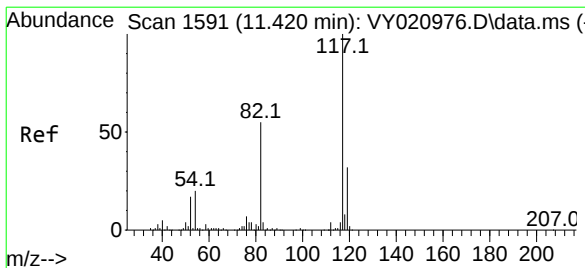
Ion Ratio Lower Upper

95 100

174 100.2 0.0 181.2

176 96.0 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: VY020992.D

Acq: 30 Jan 2025 17:42

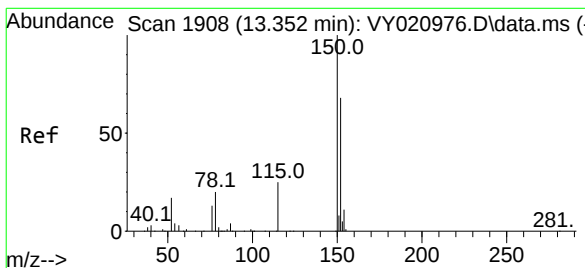
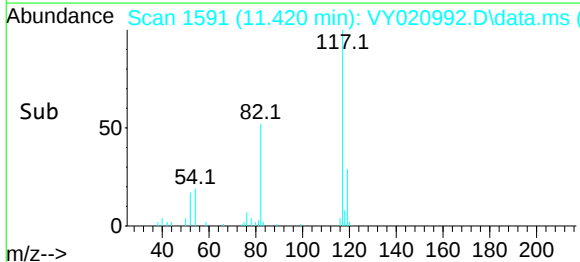
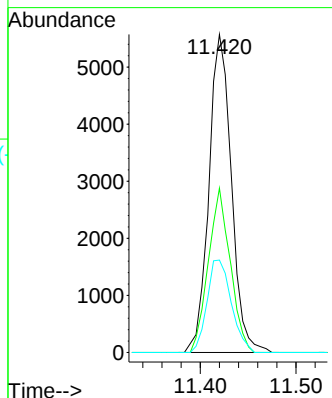
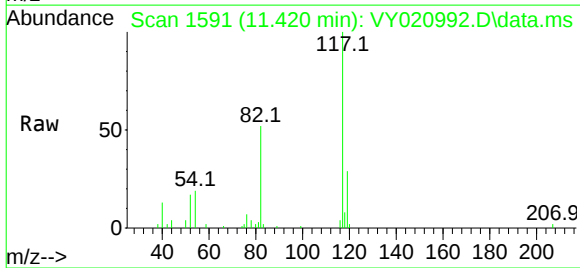
Instrument :

MSVOA\_Y

ClientSampleId :

JPP-21.1-012825

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9100  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.7  | 44.2  | 66.2  |
| 119      | 29.1  | 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: VY020992.D

Acq: 30 Jan 2025 17:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1262  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 55.4  | 28.4  | 85.2  |
| 150      | 154.5 | 0.0   | 342.8 |

