

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020681.D  
 Acq On : 20 Dec 2024 19:13  
 Operator : SY/MD  
 Sample : P5306-09RE  
 Misc : 5.23g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-VSL-11-121224RE

Quant Time: Dec 20 22:04:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 29041    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 44319    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 33564    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 10185    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 16679    | 52.440   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.880% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 17054    | 54.599   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.200% |
| 50) Toluene-d8              | 10.103 | 98    | 57386    | 52.490   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 104.980% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 13663    | 31.949   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 63.900%  |

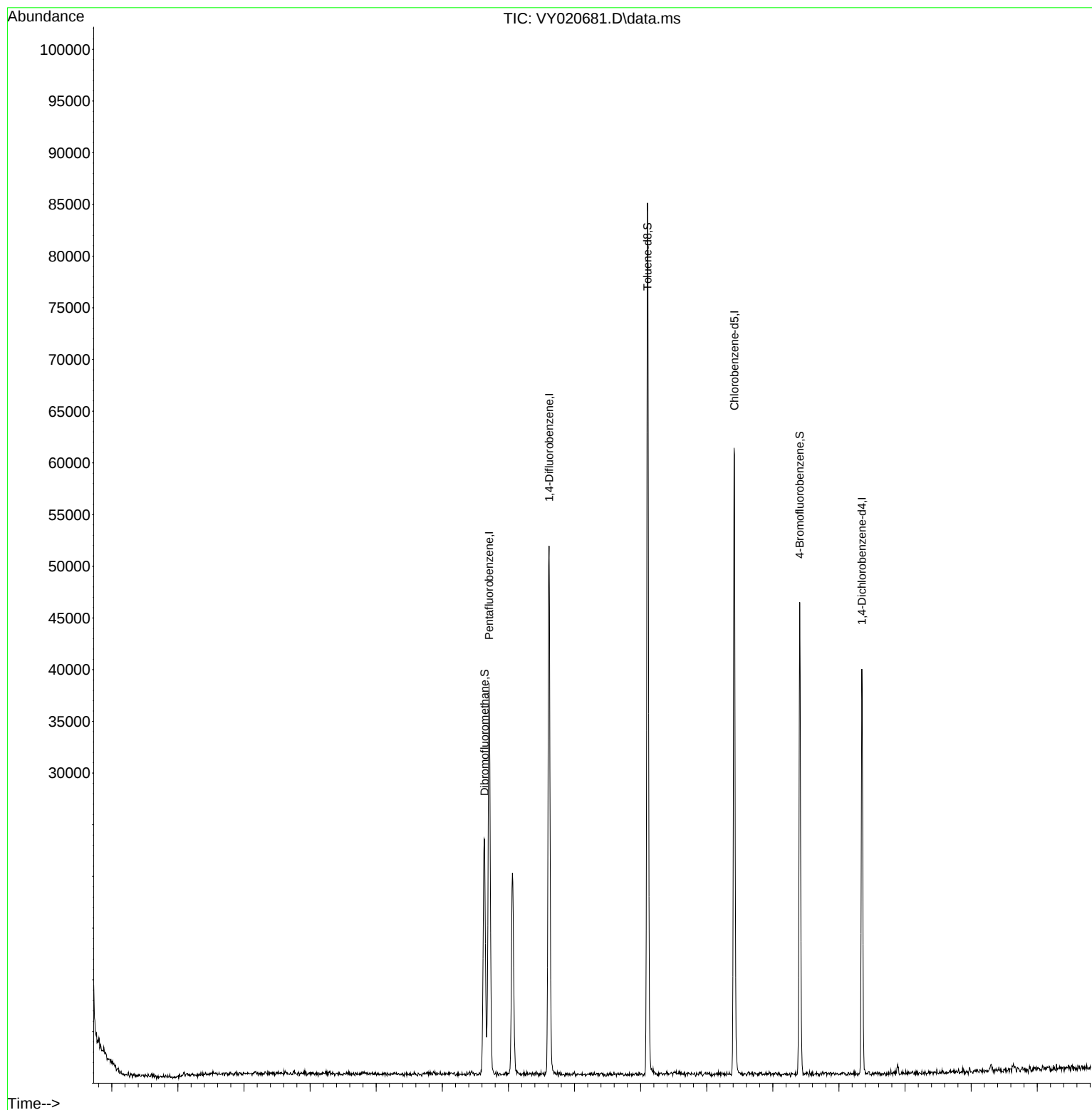
Target Compounds Qvalue

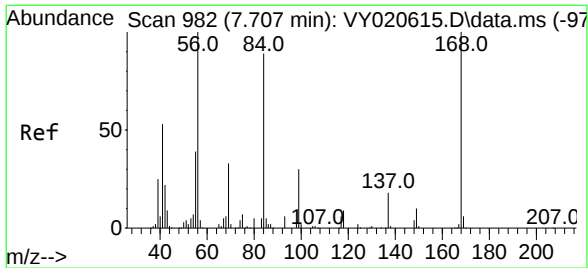
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
Data File : VY020681.D  
Acq On : 20 Dec 2024 19:13  
Operator : SY/MD  
Sample : P5306-09RE  
Misc : 5.23g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-11-121224RE

Quant Time: Dec 20 22:04:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

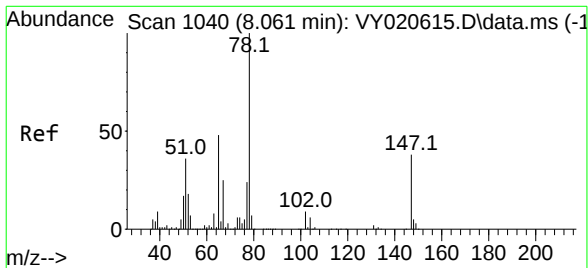
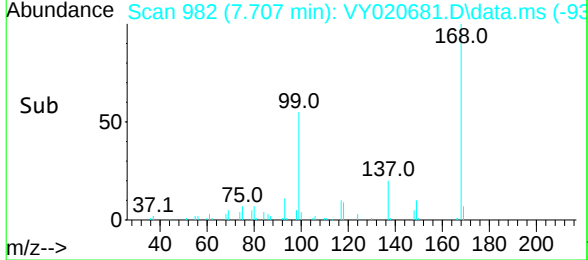
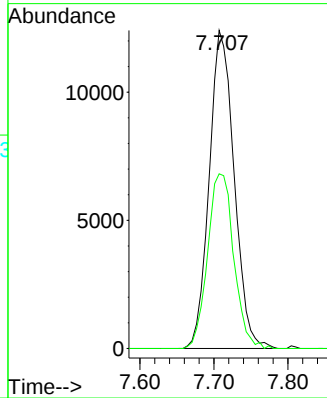
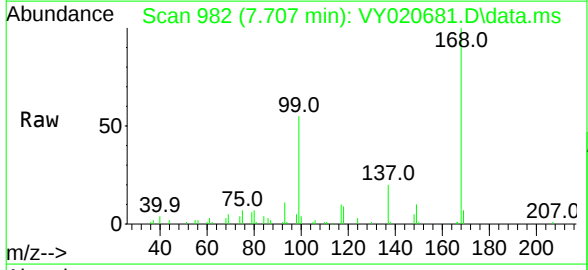




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 98  
Delta R.T. 0.000 min  
Lab File: VY020681.D  
Acq: 20 Dec 2024 19:13

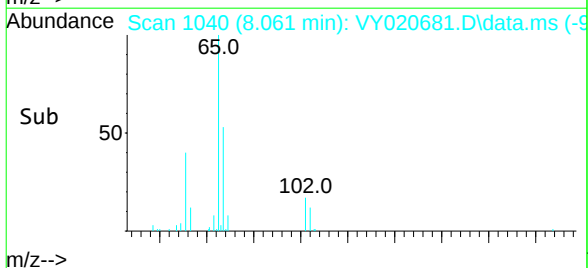
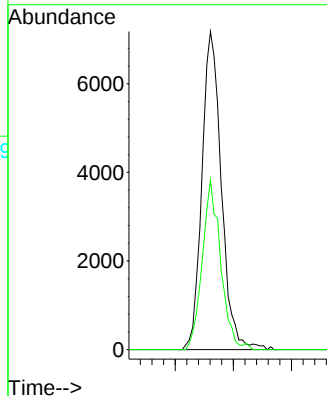
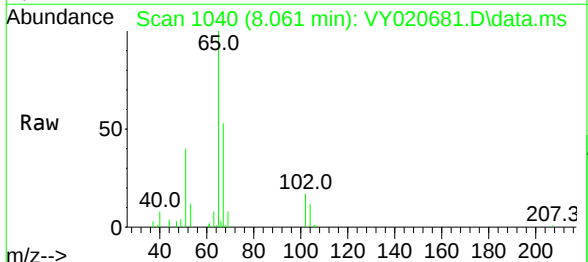
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-11-121224RE

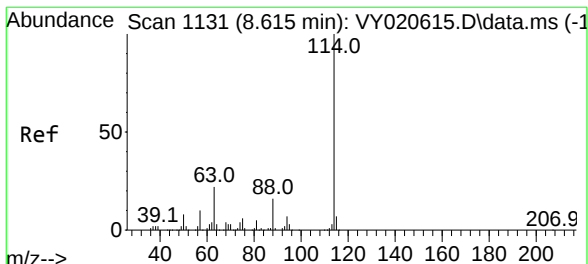
Tgt Ion: 168 Resp: 29041  
Ion Ratio Lower Upper  
168 100  
99 54.9 47.0 70.6



#33  
1,2-Dichloroethane-d4  
Concen: 52.440 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020681.D  
Acq: 20 Dec 2024 19:13

Tgt Ion: 65 Resp: 16679  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 108.0

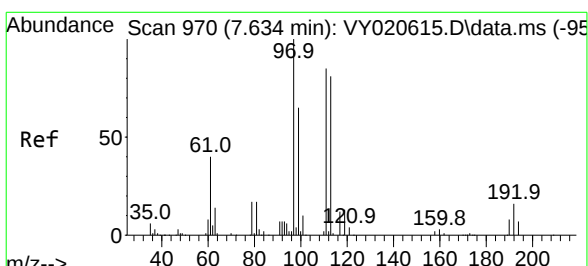
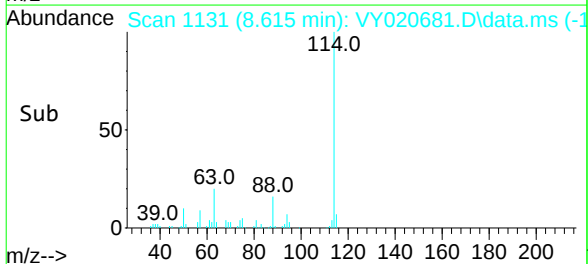
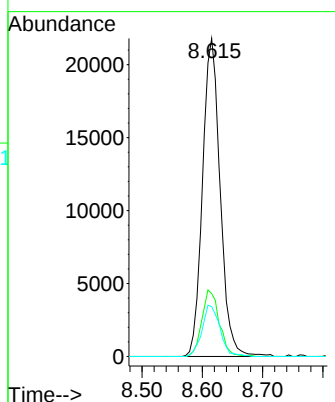
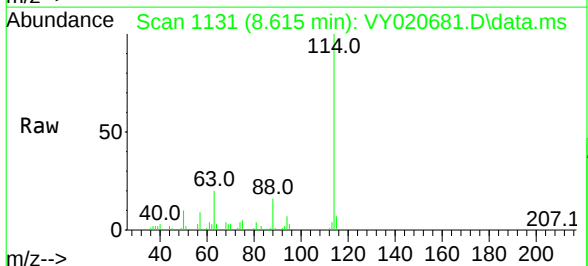




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.615 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY020681.D  
 Acq: 20 Dec 2024 19:13

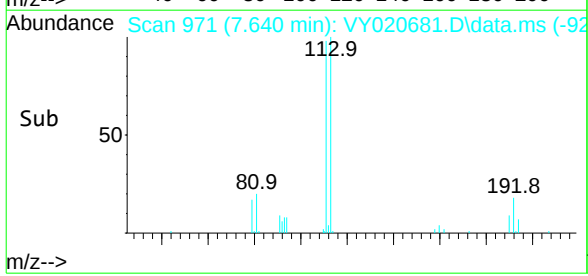
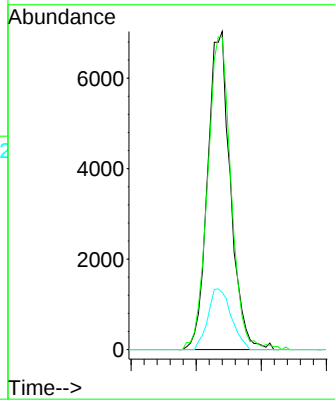
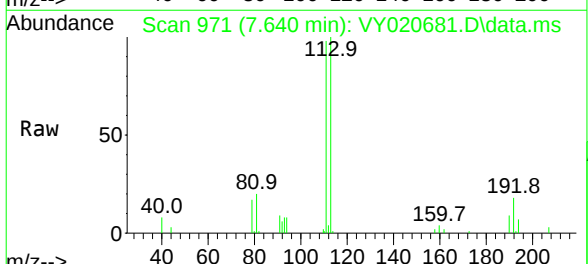
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-VSL-11-121224RE

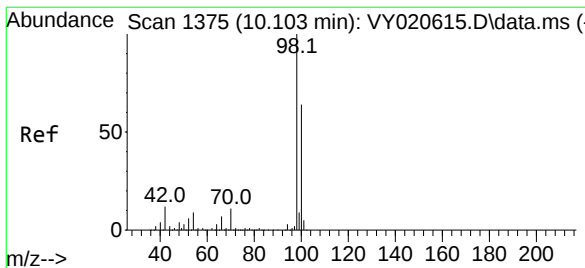
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 44319 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 19.8  | 0.0   | 44.0  |
| 88        | 15.7  | 0.0   | 32.8  |



#35  
 Dibromofluoromethane  
 Concen: 54.599 ug/l  
 RT: 7.640 min Scan# 971  
 Delta R.T. 0.006 min  
 Lab File: VY020681.D  
 Acq: 20 Dec 2024 19:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 17054 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.6 | 82.9  | 124.3 |
| 192       | 19.5  | 15.7  | 23.5  |





#50

Toluene-d8

Concen: 52.490 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020681.D

Acq: 20 Dec 2024 19:13

Instrument :

MSVOA\_Y

ClientSampleId :

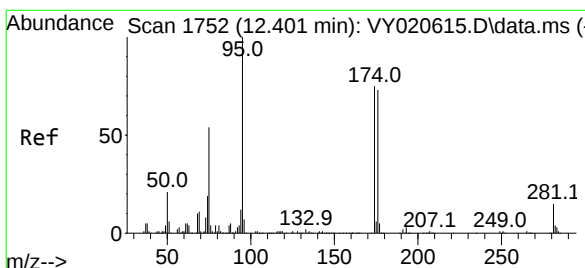
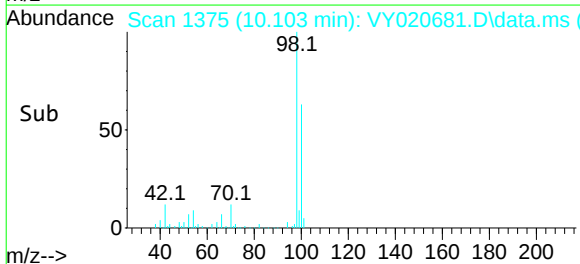
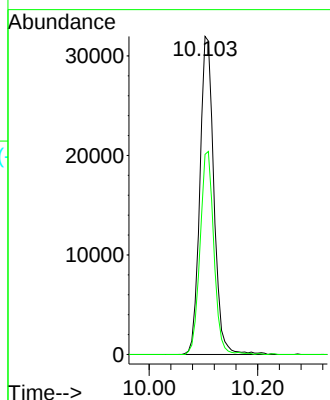
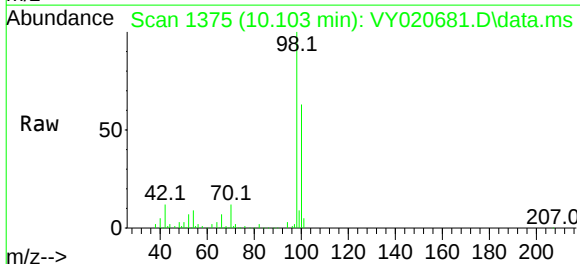
OU4-VSL-11-121224RE

Tgt Ion: 98 Resp: 57386

Ion Ratio Lower Upper

98 100

100 62.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 31.949 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020681.D

Acq: 20 Dec 2024 19:13

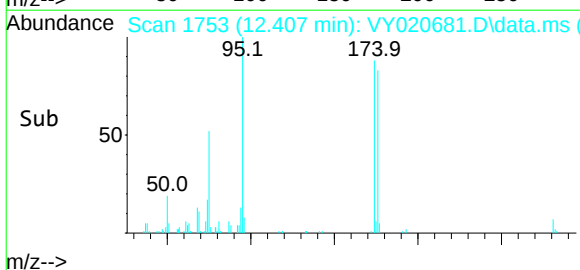
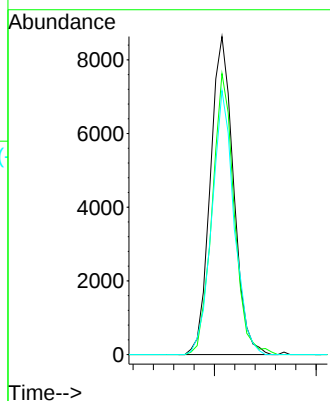
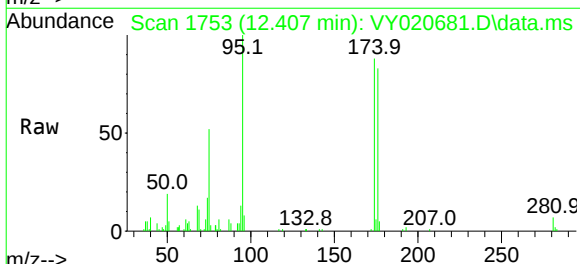
Tgt Ion: 95 Resp: 13663

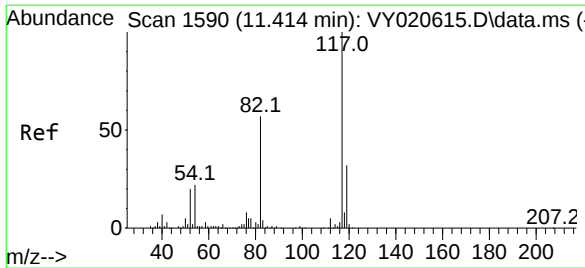
Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.8

176 79.5 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020681.D

Acq: 20 Dec 2024 19:13

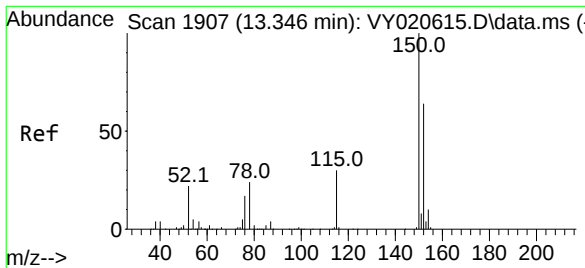
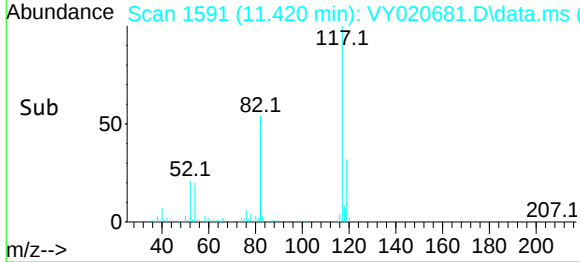
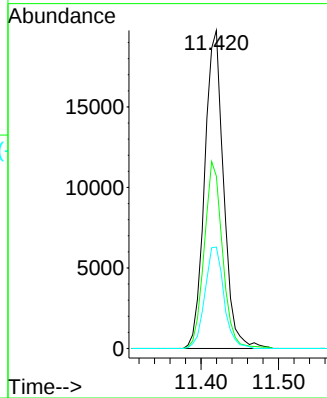
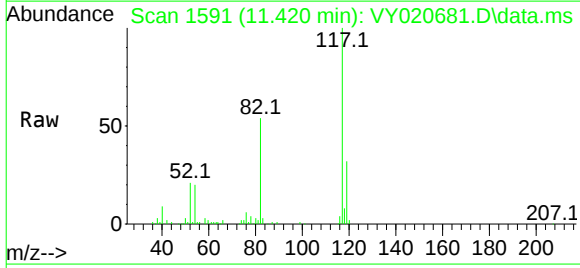
Instrument :

MSVOA\_Y

ClientSampleId :

OU4-VSL-11-121224RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 33564 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.2  | 45.8  | 68.6  |
| 119      | 31.9  | 25.3  | 37.9  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020681.D

Acq: 20 Dec 2024 19:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 10185 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 58.3  | 30.2  | 90.6  |
| 150      | 153.7 | 0.0   | 355.4 |

