

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020679.D  
 Acq On : 20 Dec 2024 18:26  
 Operator : SY/MD  
 Sample : P5306-13RE  
 Misc : 6.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-VSL-13-121224RE

Quant Time: Dec 20 22:03:32 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   | 13256    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 17467    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 9407     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 1297     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 4081     | 28.110   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 56.220%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 5486     | 44.564   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 89.120%  |
| 50) Toluene-d8              | 10.109 | 98    | 19399    | 45.022   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 90.040%  |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 2483     | 14.732   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 29.460%  |

Target Compounds Qvalue

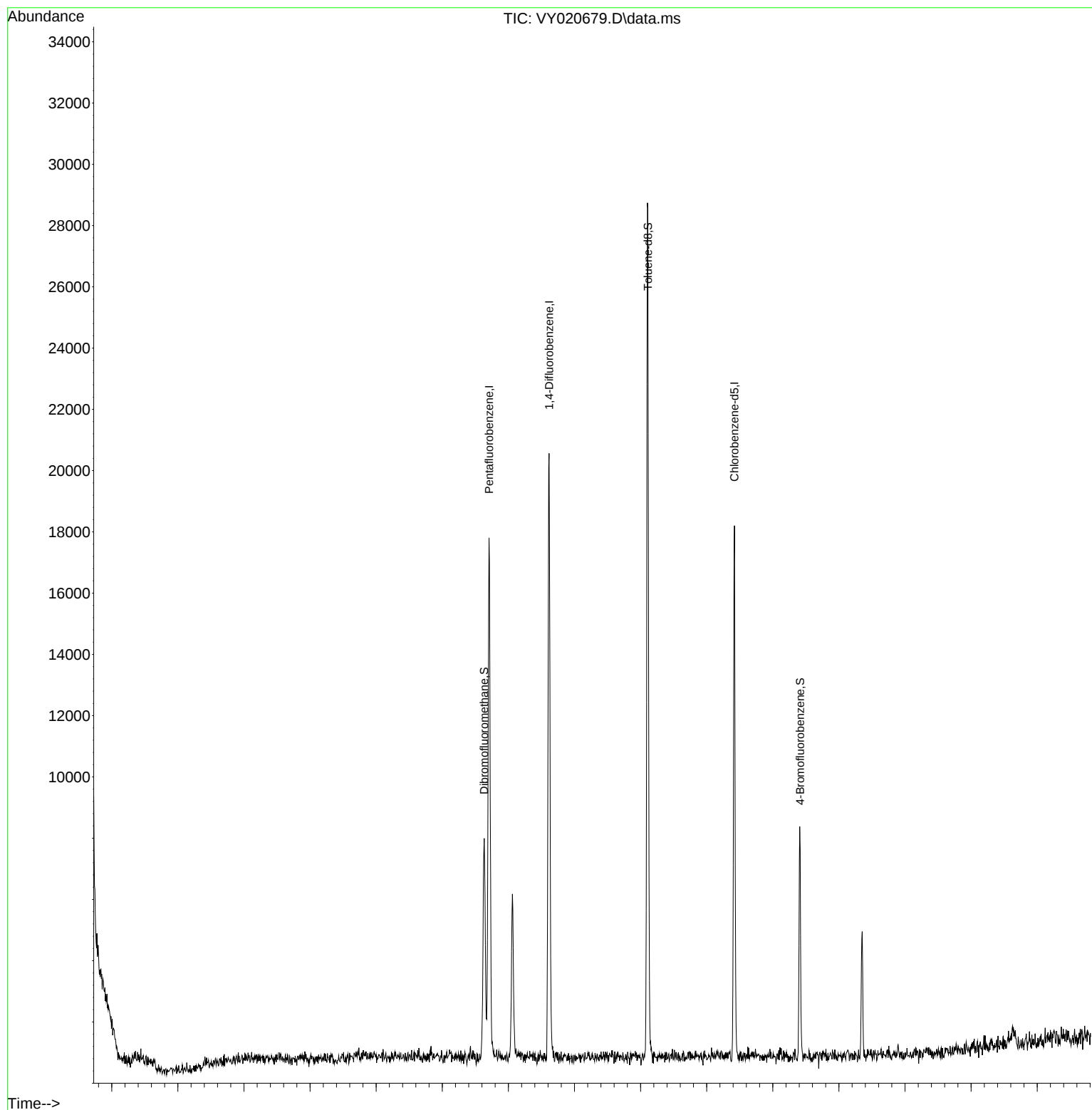
-----

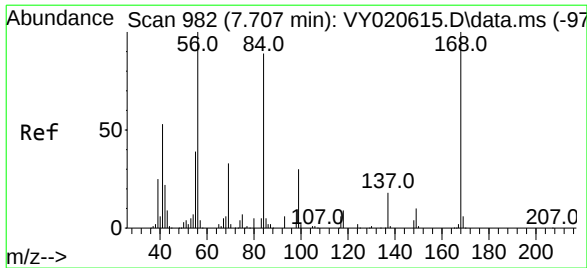
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
Data File : VY020679.D  
Acq On : 20 Dec 2024 18:26  
Operator : SY/MD  
Sample : P5306-13RE  
Misc : 6.08g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-13-121224RE

Quant Time: Dec 20 22:03:32 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

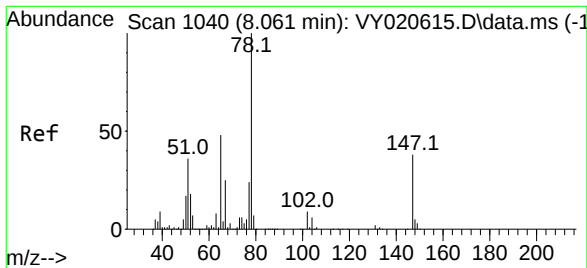
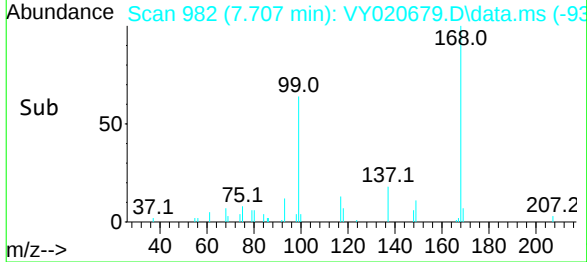
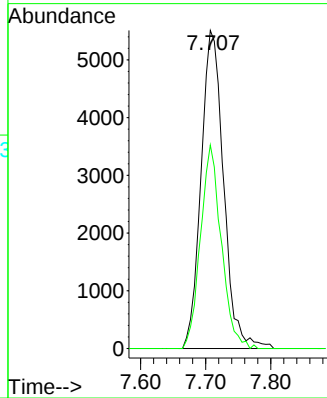
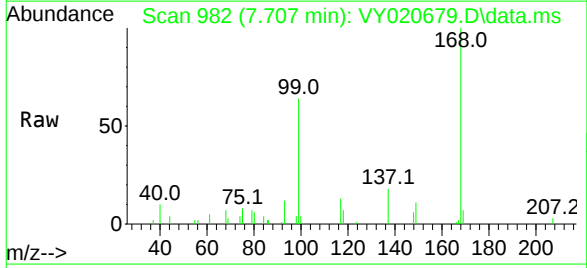




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY020679.D  
Acq: 20 Dec 2024 18:26

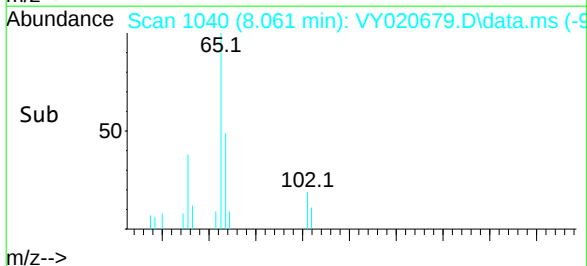
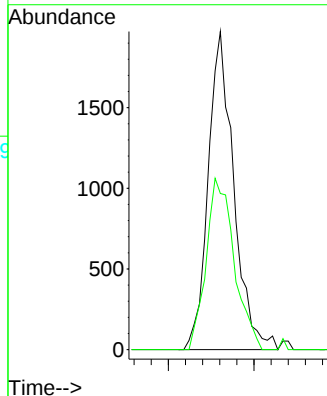
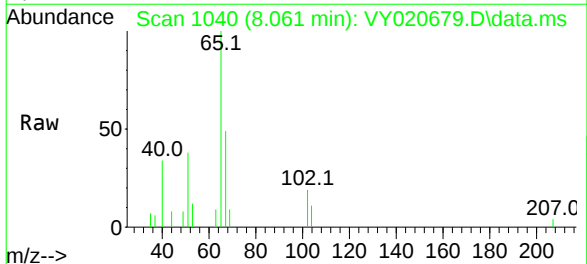
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-VSL-13-121224RE

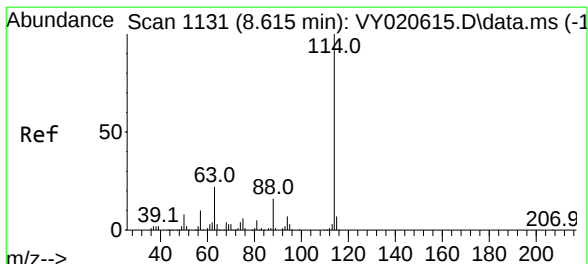
Tgt Ion: 168 Resp: 13256  
Ion Ratio Lower Upper  
168 100  
99 64.0 47.0 70.6



#33  
1,2-Dichloroethane-d4  
Concen: 28.110 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020679.D  
Acq: 20 Dec 2024 18:26

Tgt Ion: 65 Resp: 4081  
Ion Ratio Lower Upper  
65 100  
67 59.0 0.0 108.0

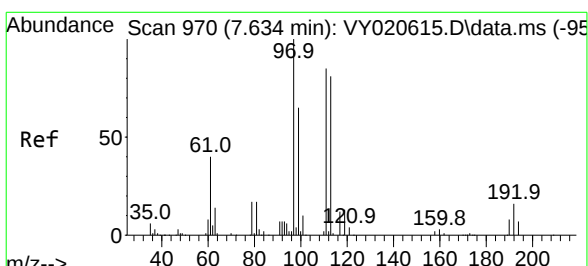
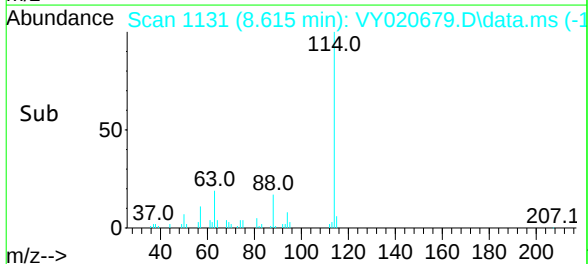
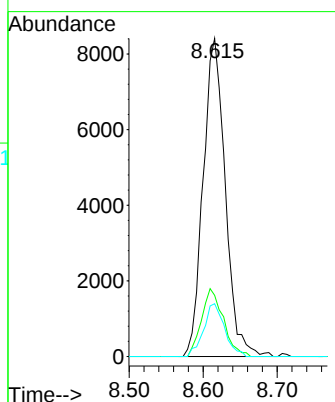
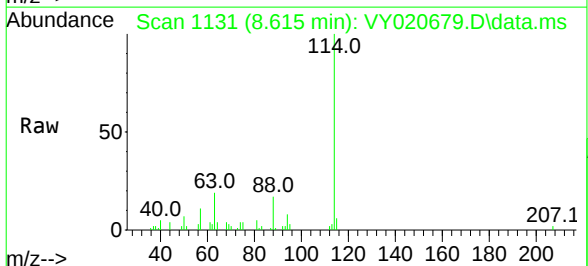




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.615 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY020679.D  
 Acq: 20 Dec 2024 18:26

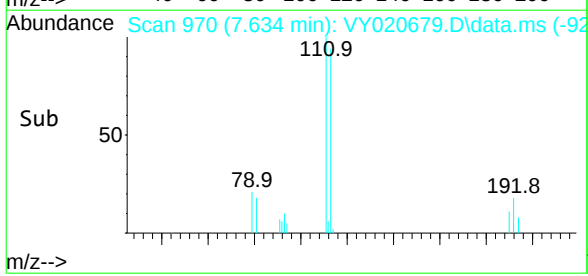
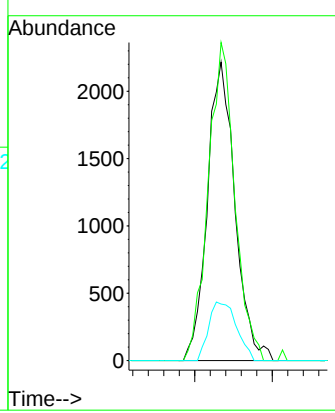
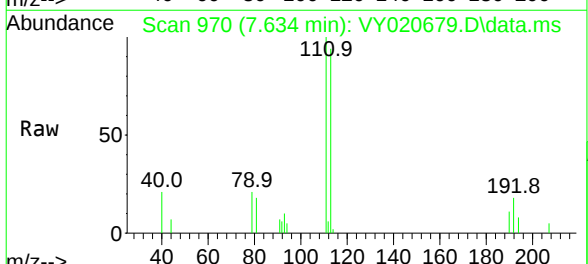
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-VSL-13-121224RE

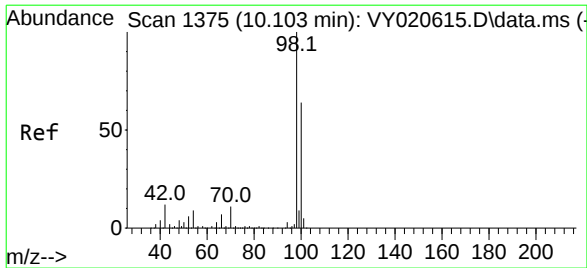
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 17467 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 19.2  | 0.0   | 44.0  |
| 88       | 16.6  | 0.0   | 32.8  |



#35  
 Dibromofluoromethane  
 Concen: 44.564 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. 0.000 min  
 Lab File: VY020679.D  
 Acq: 20 Dec 2024 18:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 5486  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.8 | 82.9  | 124.3 |
| 192      | 19.7  | 15.7  | 23.5  |





#50

Toluene-d8

Concen: 45.022 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

Instrument :

MSVOA\_Y

ClientSampleId :

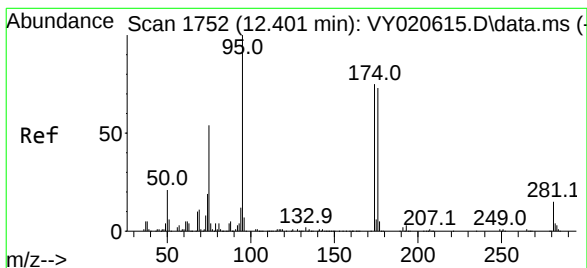
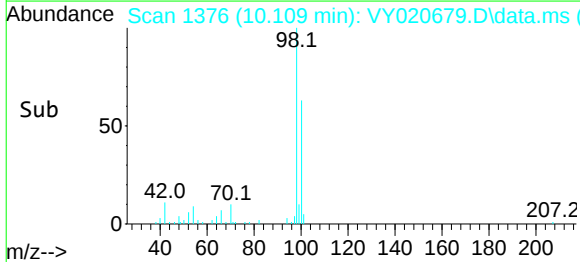
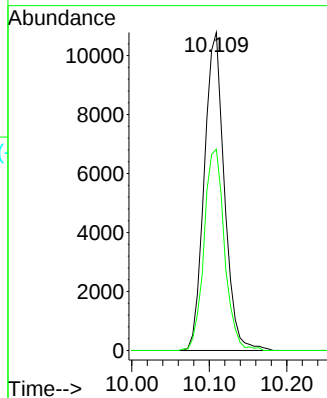
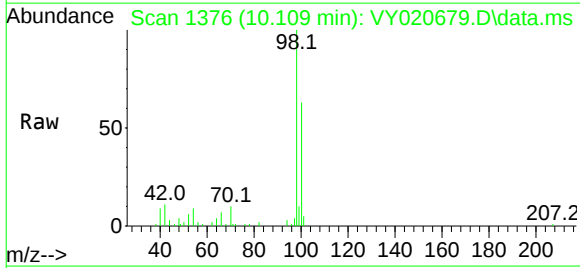
OU4-VSL-13-121224RE

Tgt Ion: 98 Resp: 19399

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 14.732 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.012 min

Lab File: VY020679.D

Acq: 20 Dec 2024 18:26

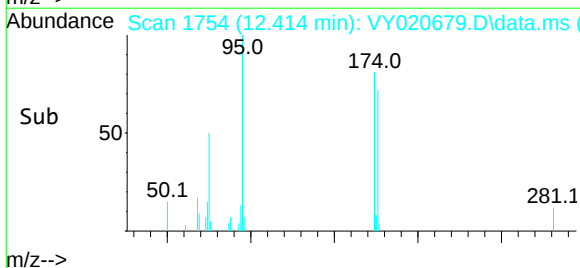
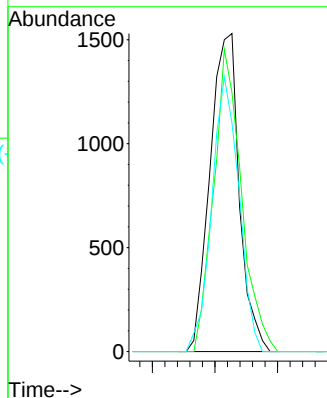
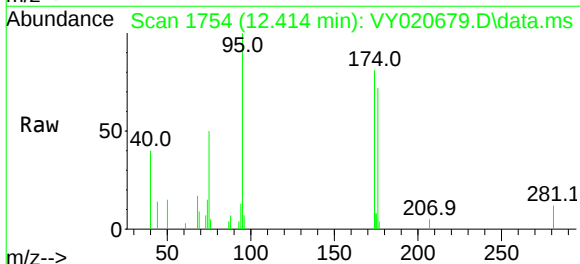
Tgt Ion: 95 Resp: 2483

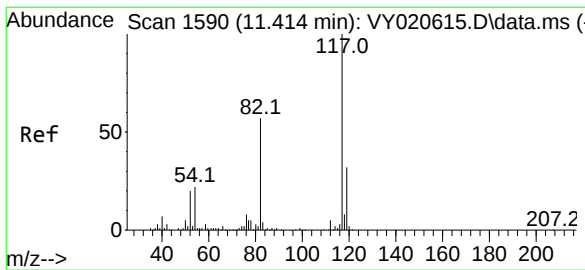
Ion Ratio Lower Upper

95 100

174 90.6 0.0 161.8

176 80.0 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: VY020679.D

Acq: 20 Dec 2024 18:26

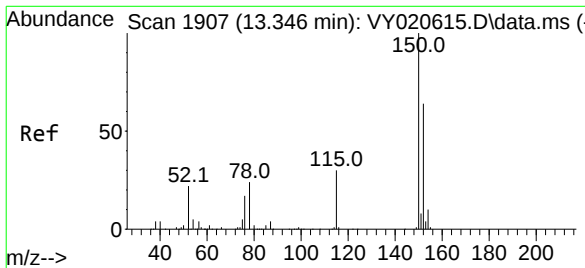
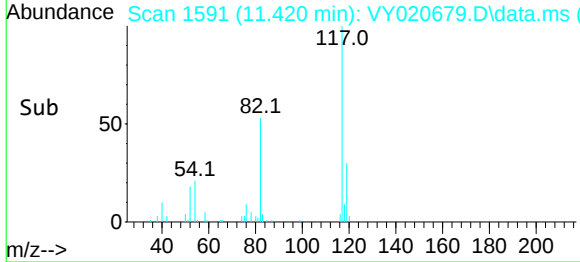
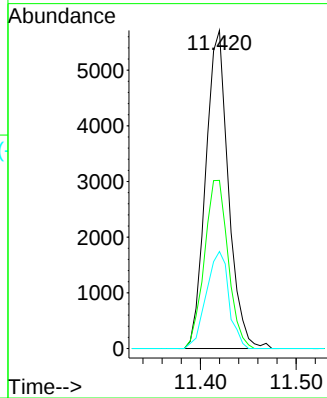
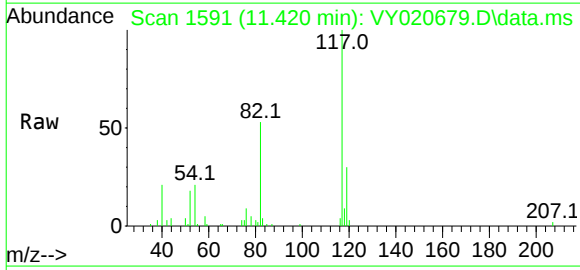
Instrument :

MSVOA\_Y

ClientSampleId :

OU4-VSL-13-121224RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9407  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 52.9  | 45.8  | 68.6  |
| 119      | 30.5  | 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: VY020679.D

Acq: 20 Dec 2024 18:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1297  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 50.2  | 30.2  | 90.6  |
| 150      | 147.6 | 0.0   | 355.4 |

