

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080924\  
 Data File : VY018970.D  
 Acq On : 09 Aug 2024 16:26  
 Operator : SY/MD  
 Sample : P3518-17  
 Misc : 4.80g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-09-080724

Quant Time: Aug 09 23:28:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.695  | 168  | 101084   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 158950   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 115711   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 34169    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 47968    | 54.048   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.100% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 52956    | 52.163   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.320% |
| 50) Toluene-d8              | 10.097 | 98    | 196278   | 50.335   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.680% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 39604    | 34.234   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 68.460%  |

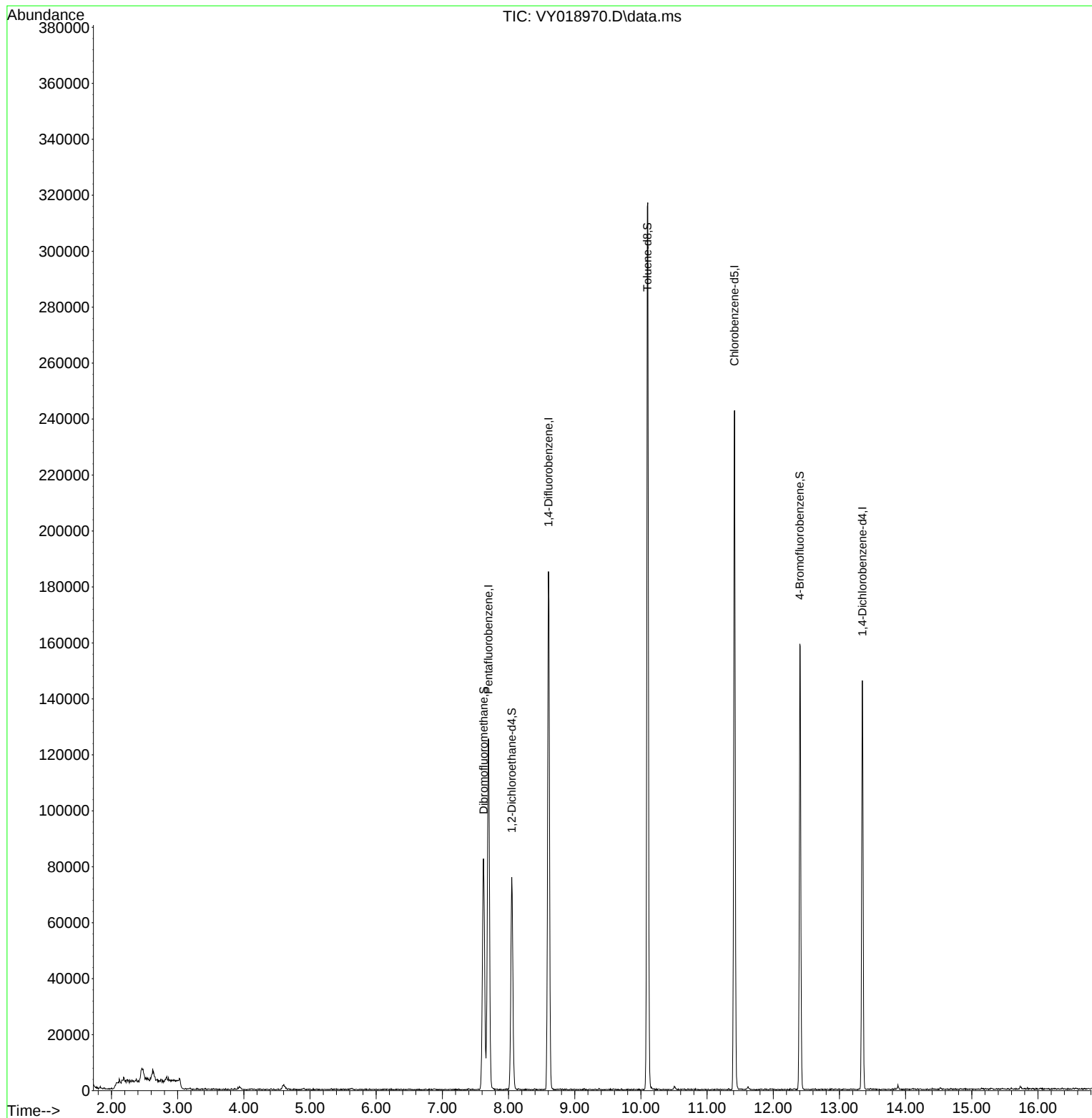
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

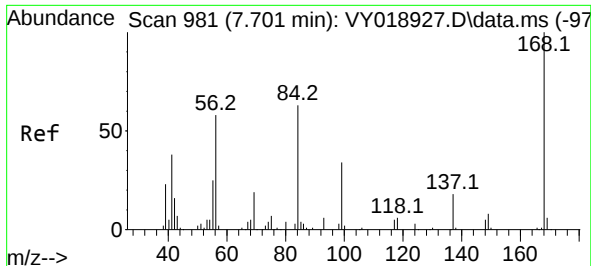
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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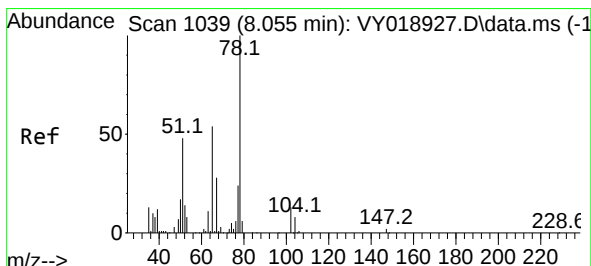
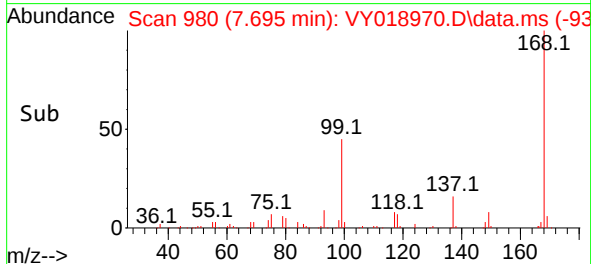
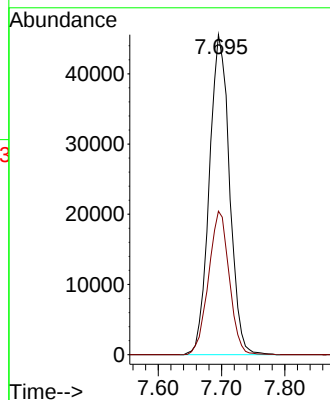
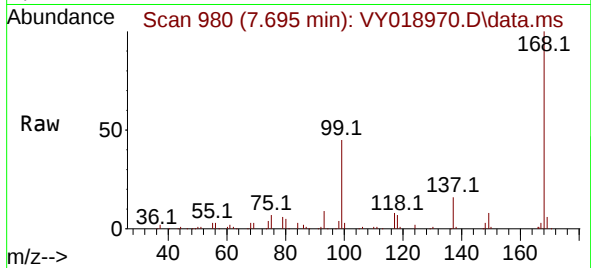




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018970.D  
Acq: 09 Aug 2024 16:26

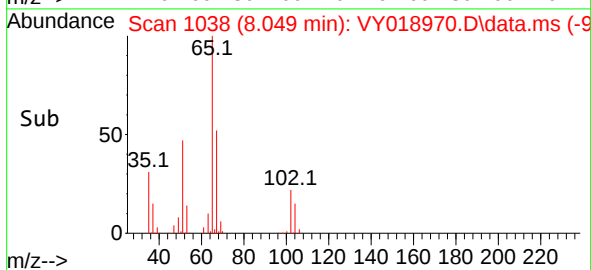
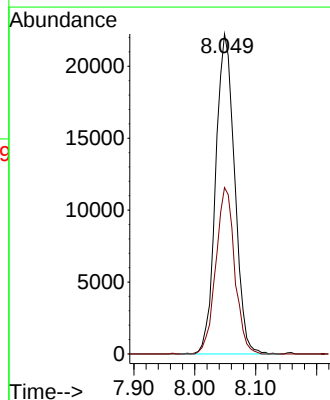
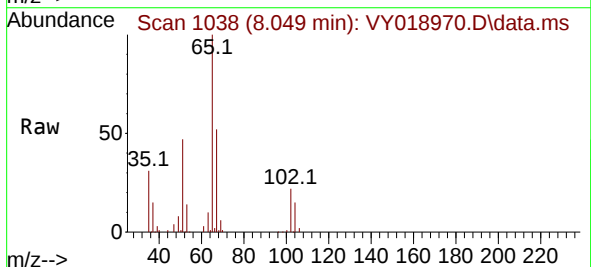
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-09-080724

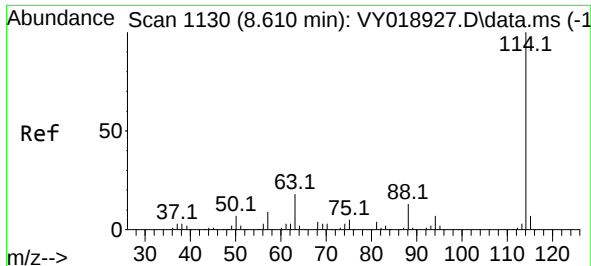
Tgt Ion:168 Resp: 101084  
Ion Ratio Lower Upper  
168 100  
99 44.9 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 54.048 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY018970.D  
Acq: 09 Aug 2024 16:26

Tgt Ion: 65 Resp: 47968  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.6

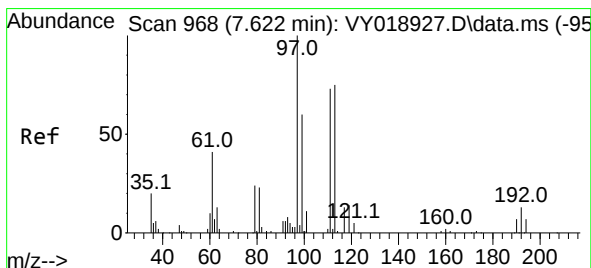
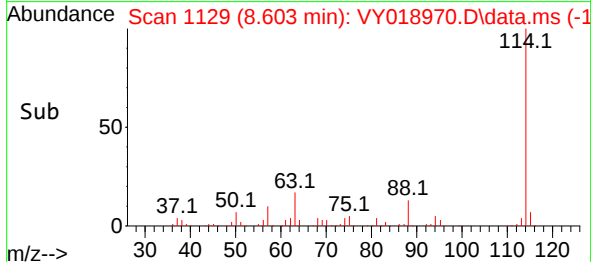
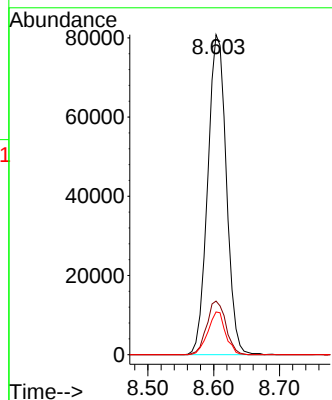
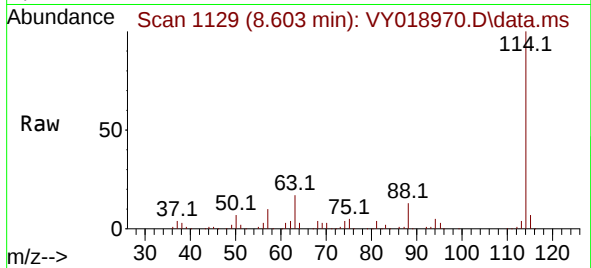




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.603 min Scan# 1130  
Delta R.T. -0.006 min  
Lab File: VY018970.D  
Acq: 09 Aug 2024 16:26

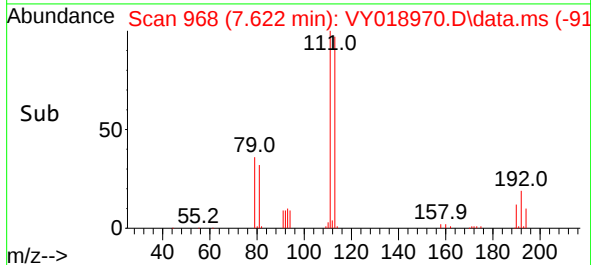
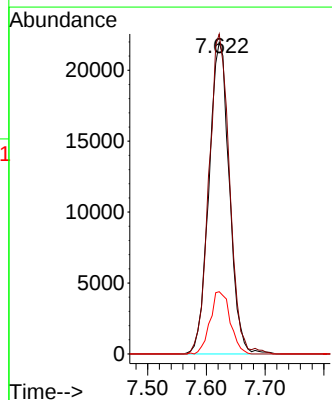
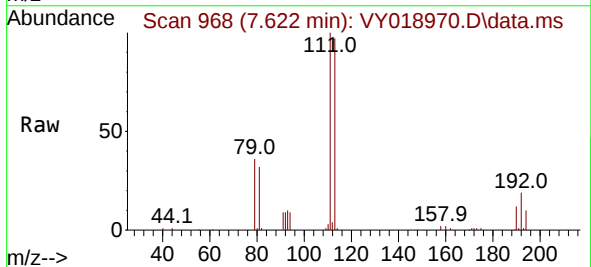
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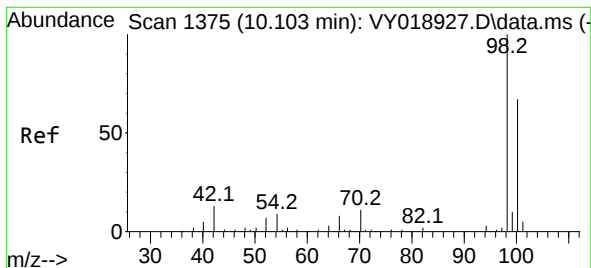
Tgt Ion:114 Resp: 158950  
Ion Ratio Lower Upper  
114 100  
63 16.8 0.0 35.0  
88 13.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 52.163 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY018970.D  
Acq: 09 Aug 2024 16:26

Tgt Ion:113 Resp: 52956  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.4  
192 19.7 15.9 23.9





#50

Toluene-d8

Concen: 50.335 ug/l

RT: 10.097 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018970.D

Acq: 09 Aug 2024 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

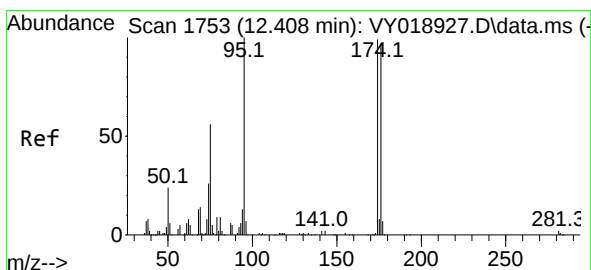
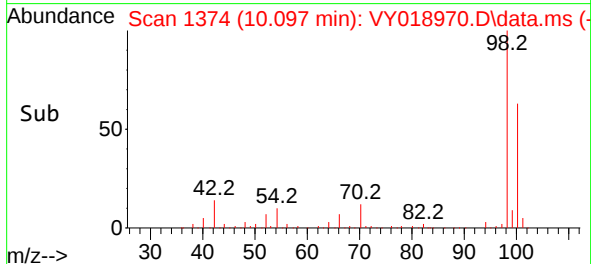
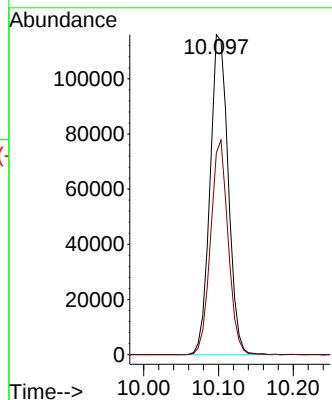
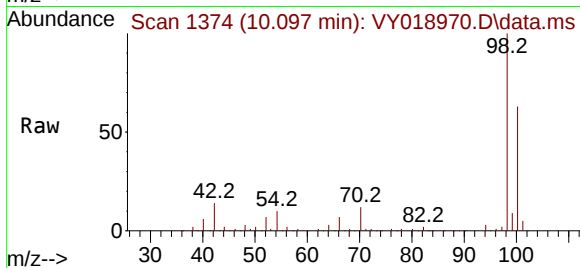
OU4-TS-09-080724

Tgt Ion: 98 Resp: 196278

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 34.234 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY018970.D

Acq: 09 Aug 2024 16:26

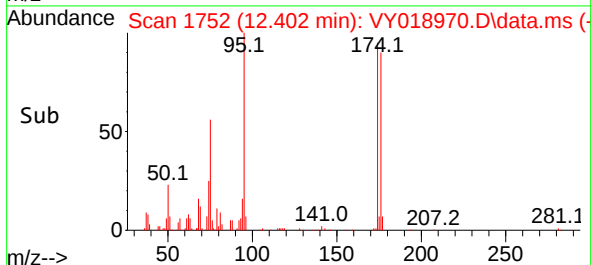
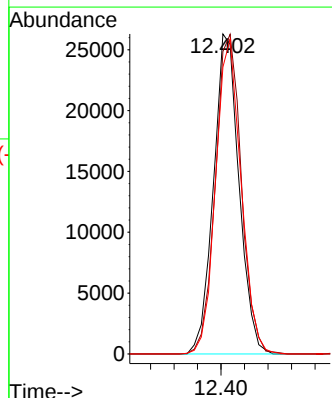
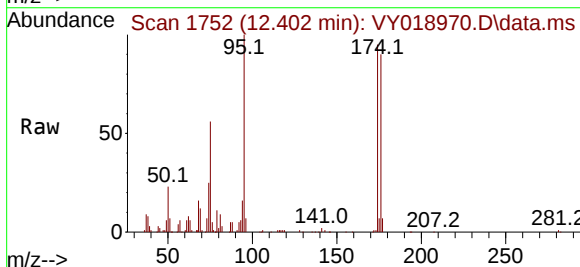
Tgt Ion: 95 Resp: 39604

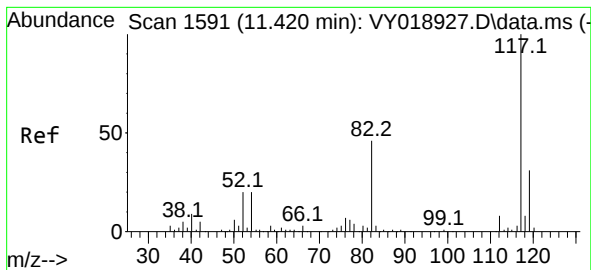
Ion Ratio Lower Upper

95 100

174 101.5 0.0 175.6

176 98.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018970.D

Acq: 09 Aug 2024 16:26

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-09-080724

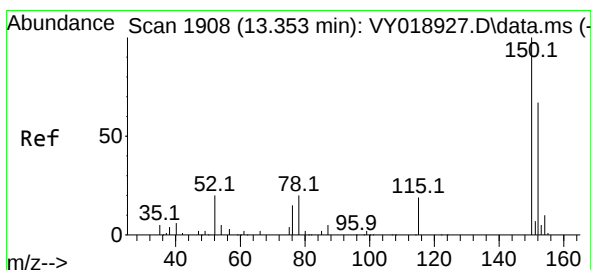
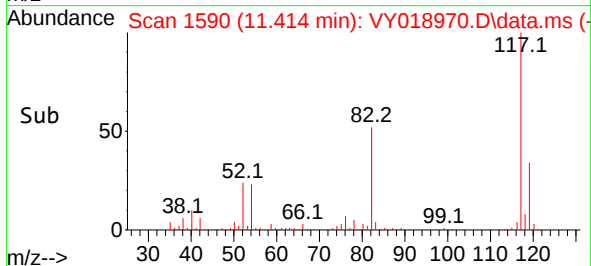
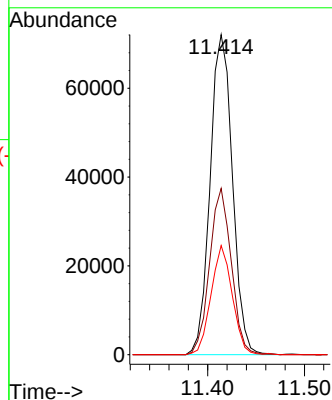
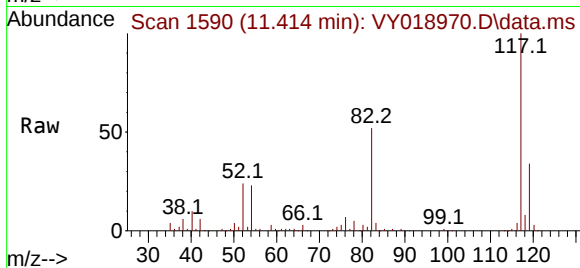
Tgt Ion:117 Resp: 115711

Ion Ratio Lower Upper

117 100

82 52.0 42.4 63.6

119 34.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY018970.D

Acq: 09 Aug 2024 16:26

Tgt Ion:152 Resp: 34169

Ion Ratio Lower Upper

152 100

115 51.8 28.2 84.7

150 158.6 0.0 345.6

