

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081424\  
 Data File : VY019066.D  
 Acq On : 14 Aug 2024 18:19  
 Operator : SY/MD  
 Sample : P3600-01  
 Misc : 5.88g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VCPS-B2-081324-2-4

Quant Time: Aug 14 21:49:39 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  | 51829    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.603  | 114  | 89833    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 80325    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 30785    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 23325    | 51.258   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.520% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 28377    | 49.459   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.920%  |
| 50) Toluene-d8              | 10.103 | 98    | 106812   | 48.467   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.940%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 27016    | 41.320   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 82.640%  |

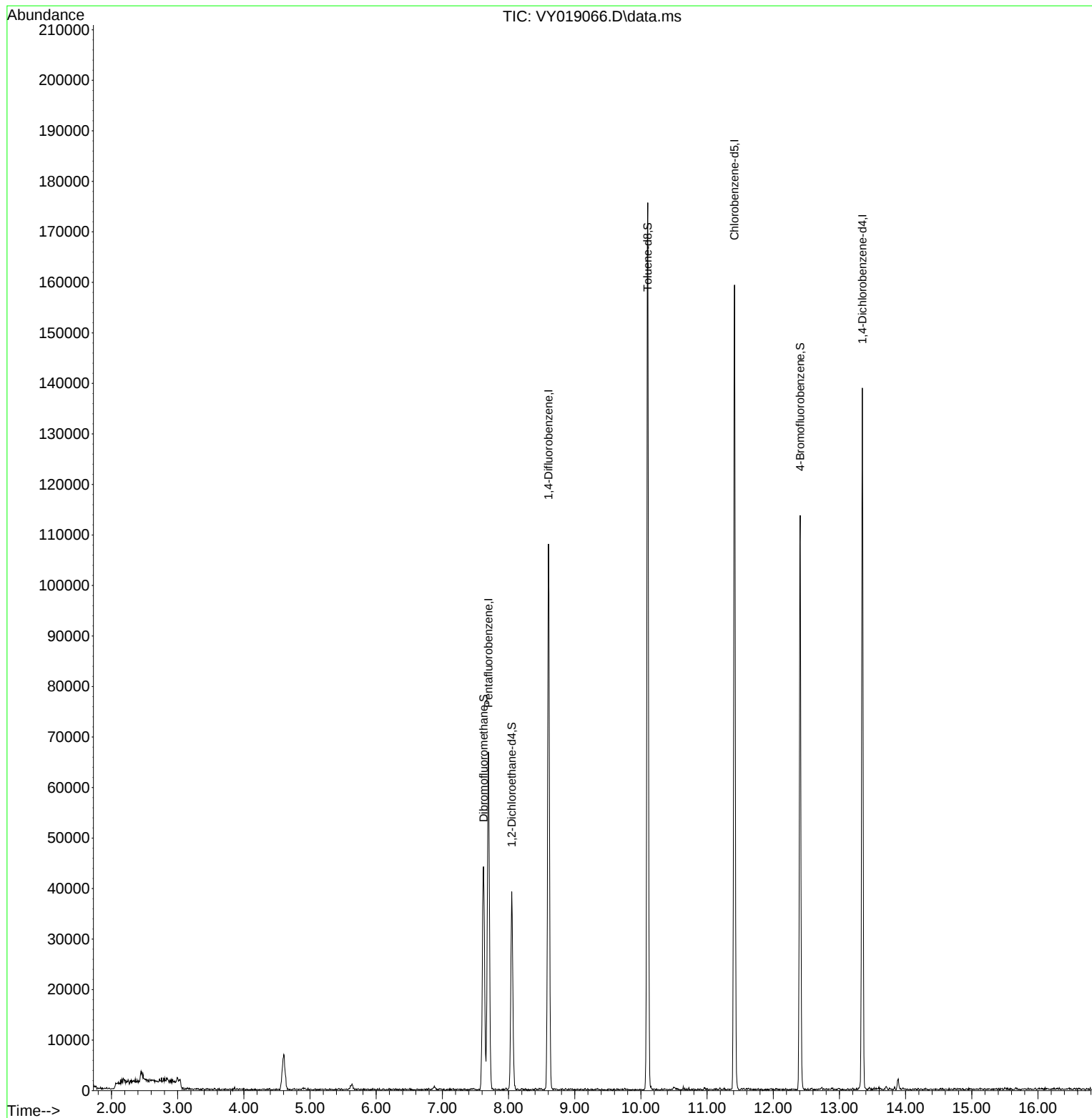
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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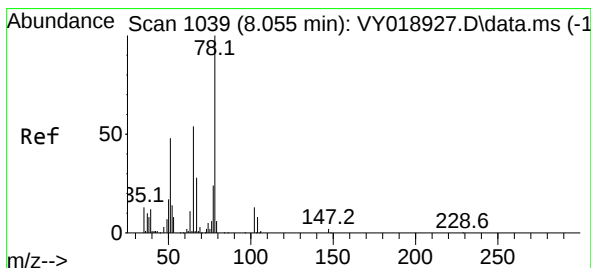
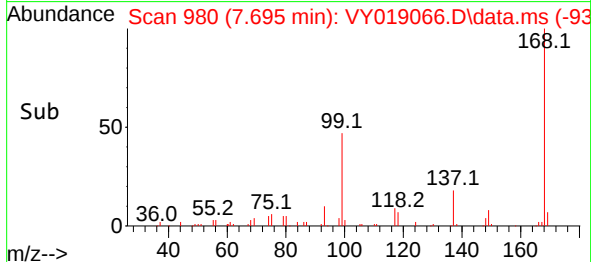
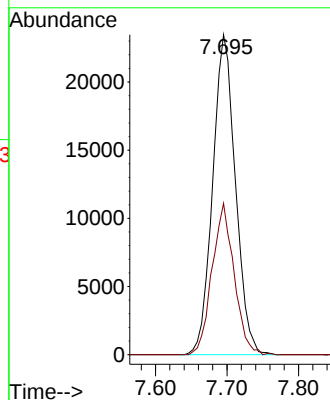
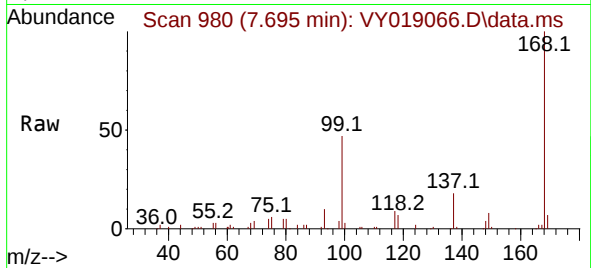




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019066.D  
Acq: 14 Aug 2024 18:19

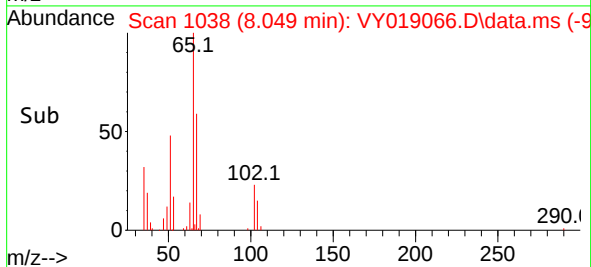
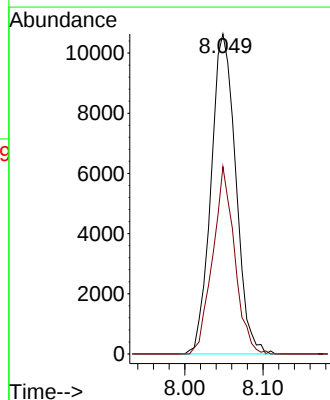
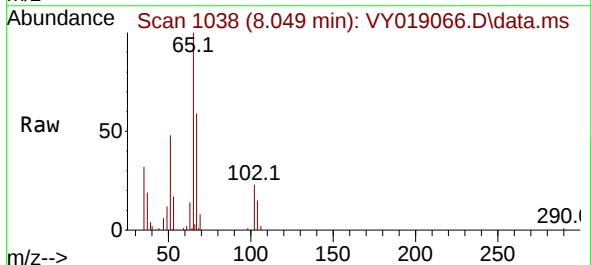
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VCPS-B2-081324-2-4

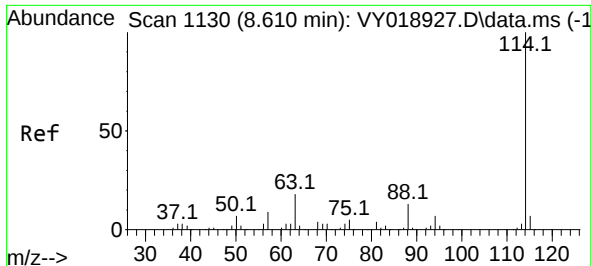
Tgt Ion:168 Resp: 51829  
Ion Ratio Lower Upper  
168 100  
99 47.3 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.258 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY019066.D  
Acq: 14 Aug 2024 18:19

Tgt Ion: 65 Resp: 23325  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019066.D

Acq: 14 Aug 2024 18:19

Instrument :

MSVOA\_Y

ClientSampleId :

VCPS-B2-081324-2-4

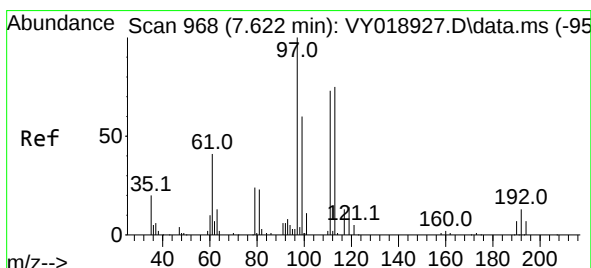
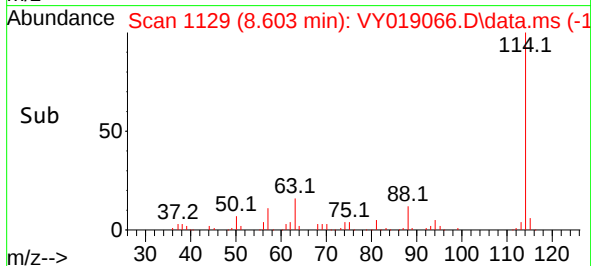
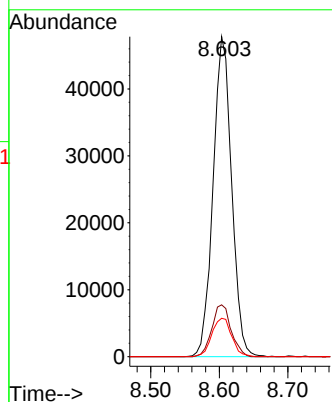
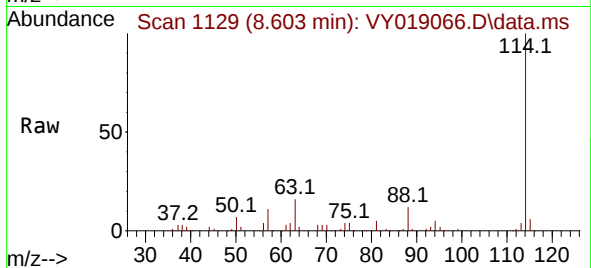
Tgt Ion:114 Resp: 89833

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

88 12.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.459 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019066.D

Acq: 14 Aug 2024 18:19

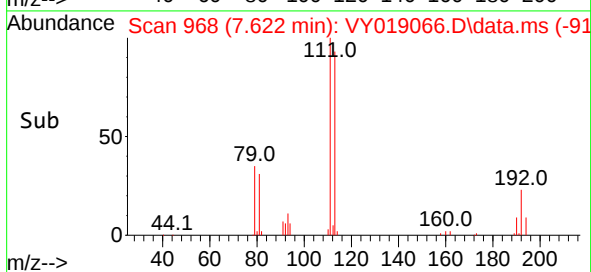
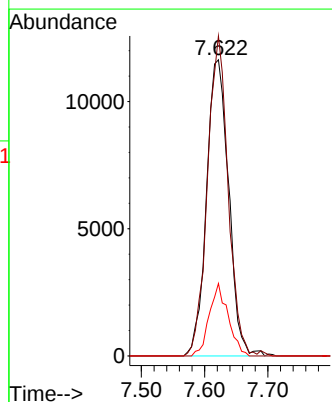
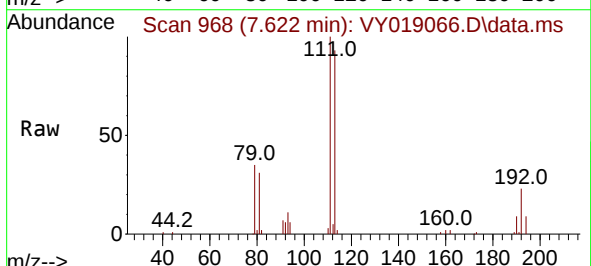
Tgt Ion:113 Resp: 28377

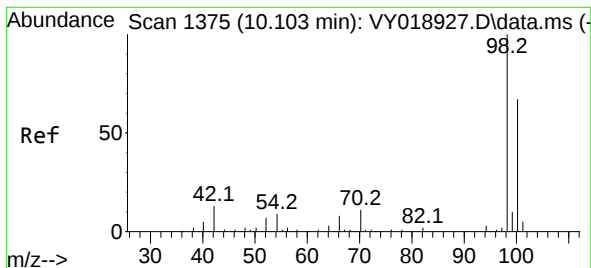
Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

192 20.8 15.9 23.9





#50

Toluene-d8

Concen: 48.467 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019066.D

Acq: 14 Aug 2024 18:19

Instrument :

MSVOA\_Y

ClientSampleId :

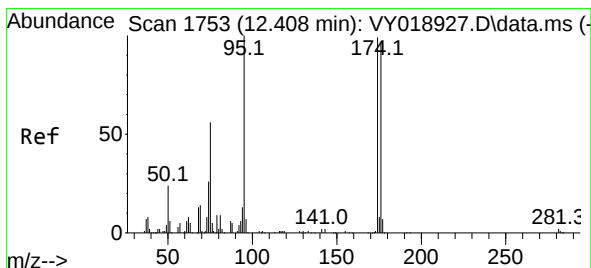
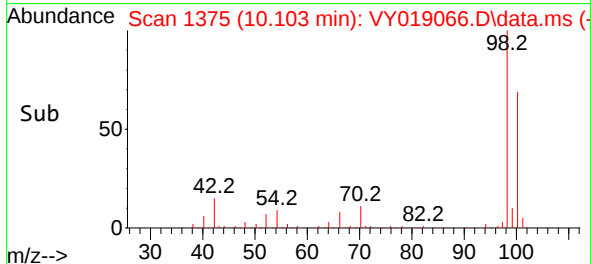
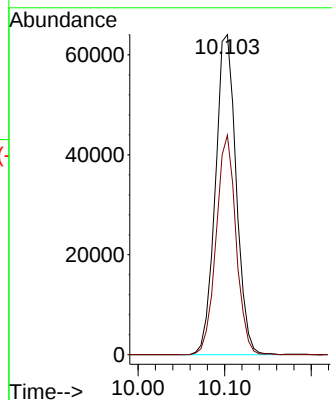
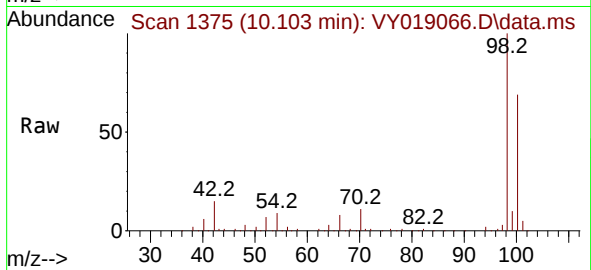
VCPS-B2-081324-2-4

Tgt Ion: 98 Resp: 106812

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.320 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY019066.D

Acq: 14 Aug 2024 18:19

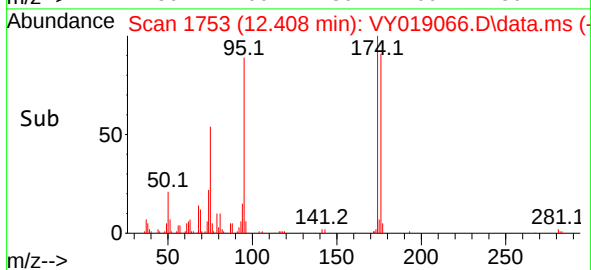
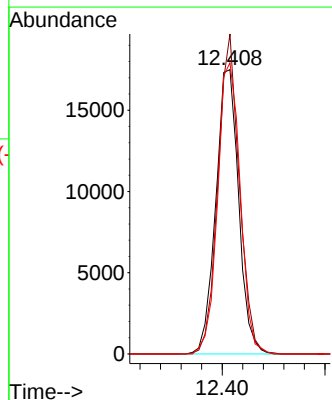
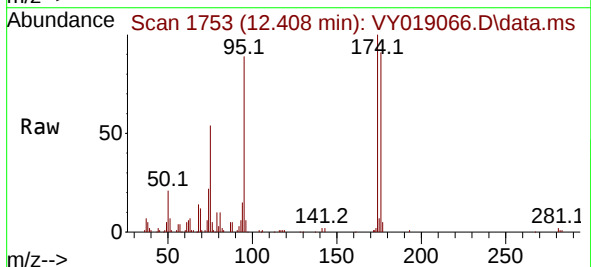
Tgt Ion: 95 Resp: 27016

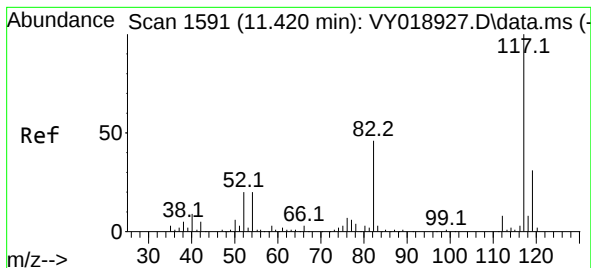
Ion Ratio Lower Upper

95 100

174 104.9 0.0 175.6

176 101.2 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: VY019066.D

Acq: 14 Aug 2024 18:19

Instrument :

MSVOA\_Y

ClientSampleId :

VCPS-B2-081324-2-4

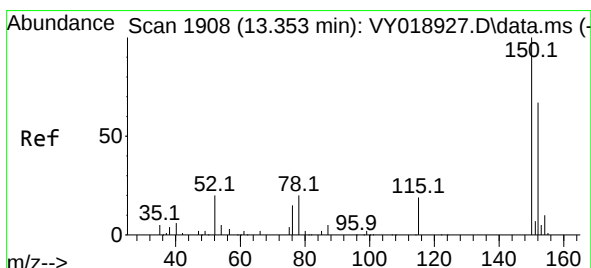
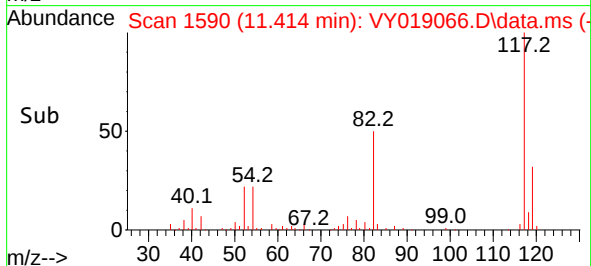
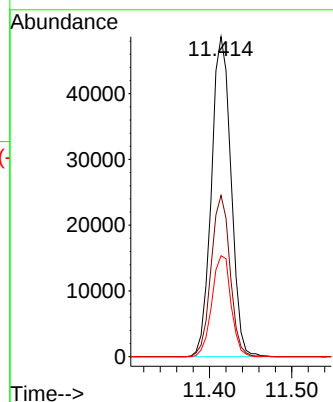
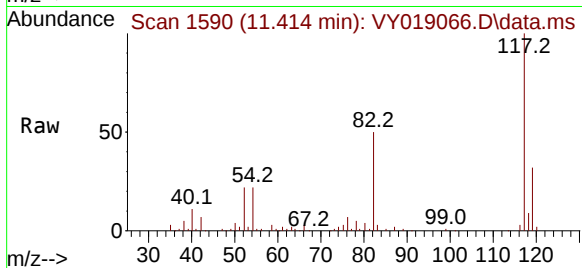
Tgt Ion:117 Resp: 80325

Ion Ratio Lower Upper

117 100

82 50.4 42.4 63.6

119 31.6 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019066.D

Acq: 14 Aug 2024 18:19

Tgt Ion:152 Resp: 30785

Ion Ratio Lower Upper

152 100

115 52.5 28.2 84.7

150 156.3 0.0 345.6

