

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081222\  
 Data File : VY009995.D  
 Acq On : 12 Aug 2022 18:48  
 Operator : KP/MD  
 Sample : N4143-03  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-24051

Quant Time: Aug 13 02:57:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 13 02:54:57 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 112179   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 226759   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.484 | 117  | 227513   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 106324   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 46185    | 40.586   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 81.180% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 46069    | 33.194   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 66.380% |
| 50) Toluene-d8              | 10.173 | 98    | 169717   | 31.915   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 63.820% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 60938    | 31.277   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 62.560% |

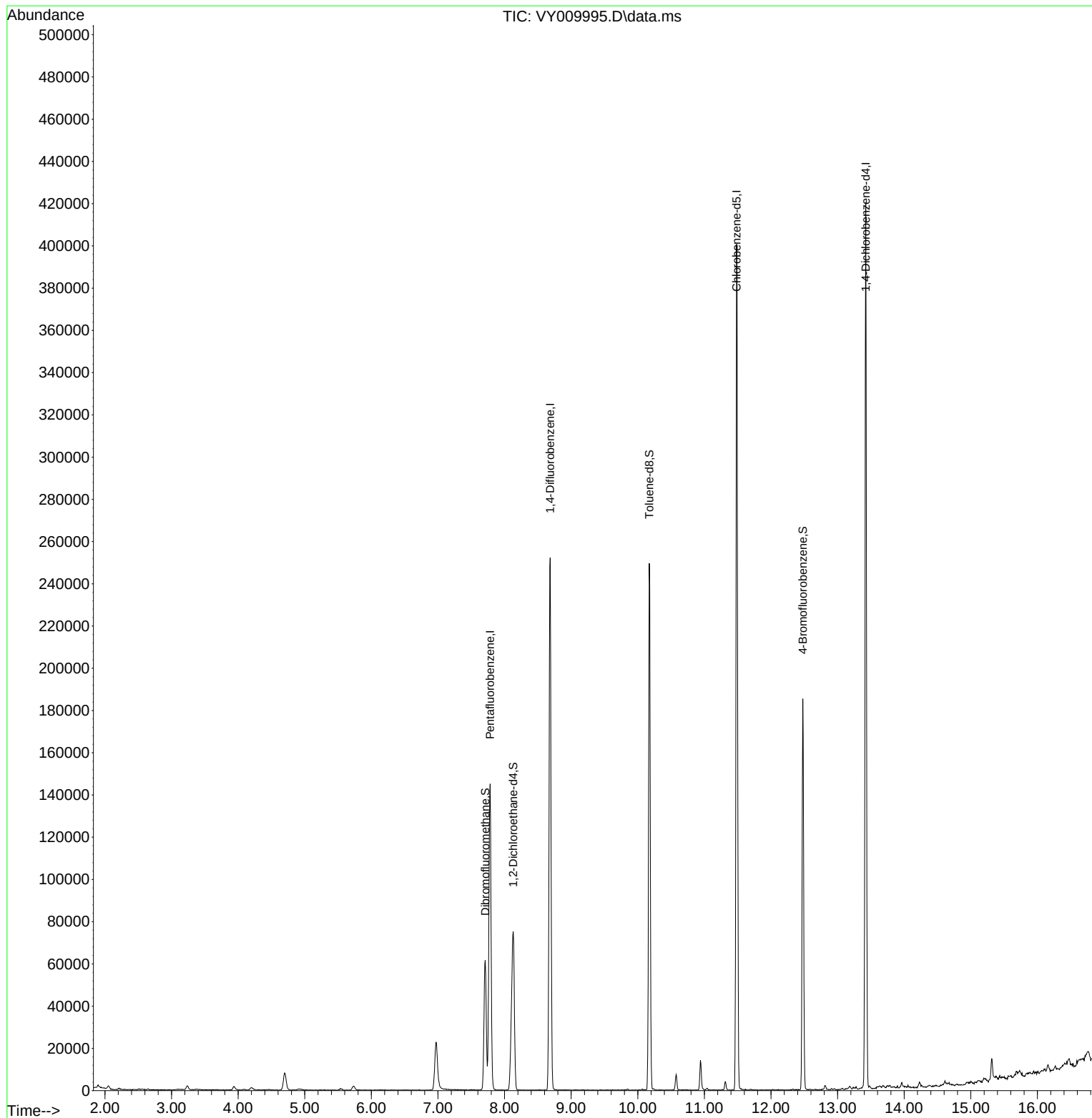
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

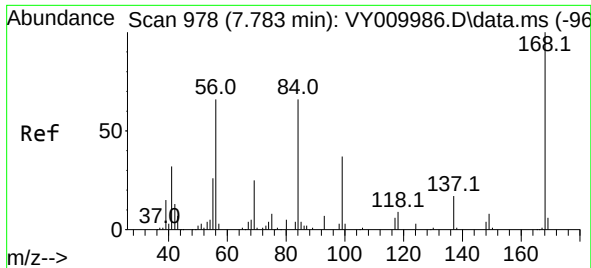
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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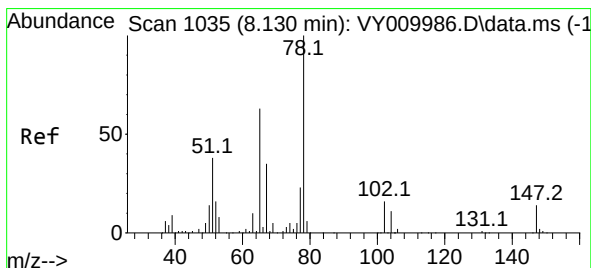
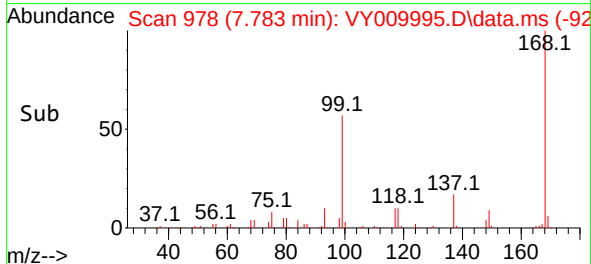
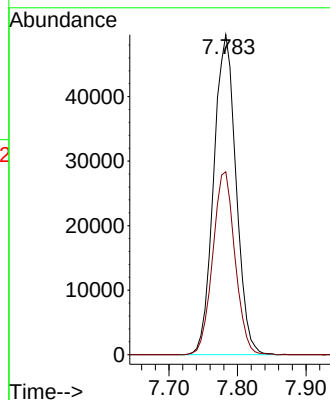
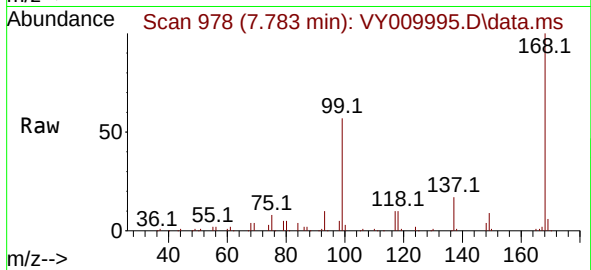




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009995.D  
Acq: 12 Aug 2022 18:48

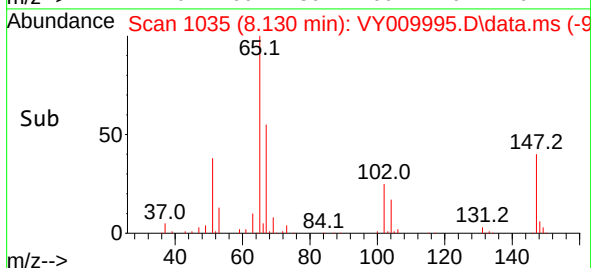
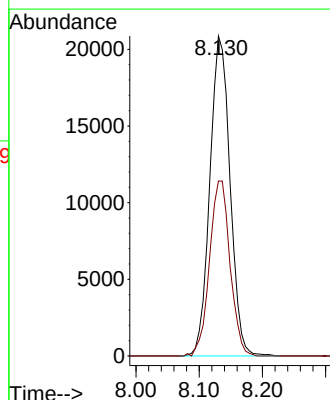
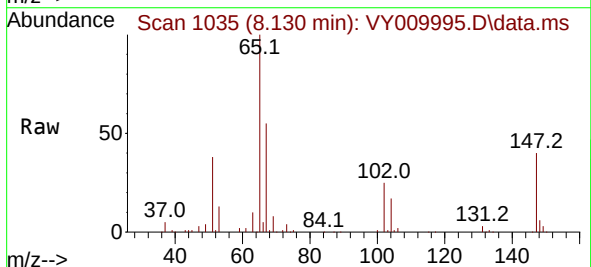
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-24051

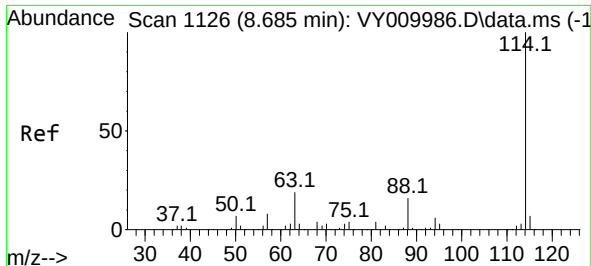
Tgt Ion:168 Resp: 112179  
Ion Ratio Lower Upper  
168 100  
99 57.2 42.1 63.1



#33  
1,2-Dichloroethane-d4  
Concen: 40.586 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY009995.D  
Acq: 12 Aug 2022 18:48

Tgt Ion: 65 Resp: 46185  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-24051

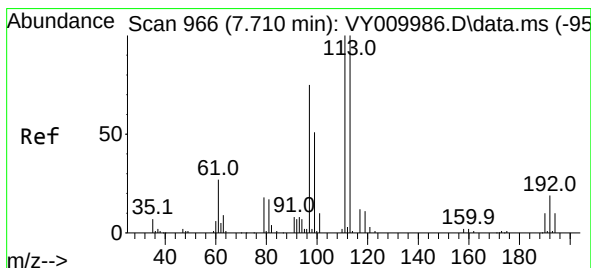
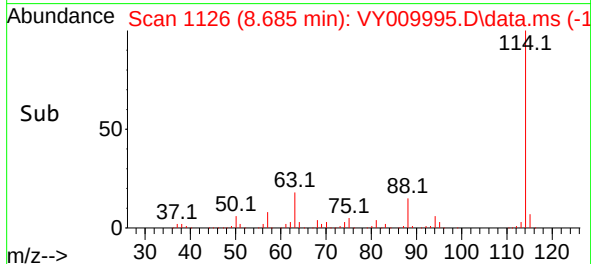
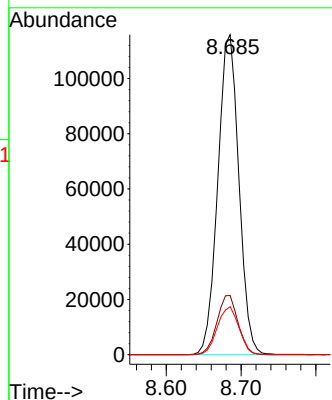
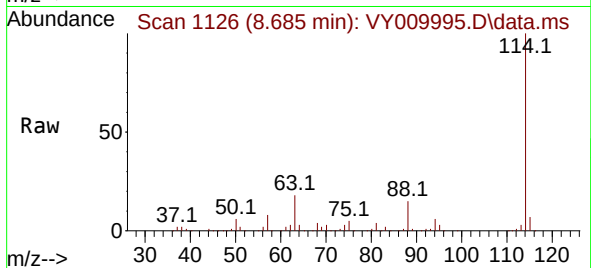
Tgt Ion:114 Resp: 226759

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 33.194 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

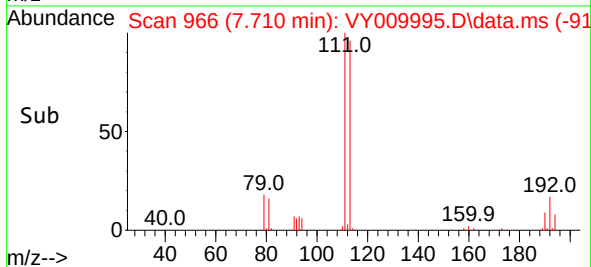
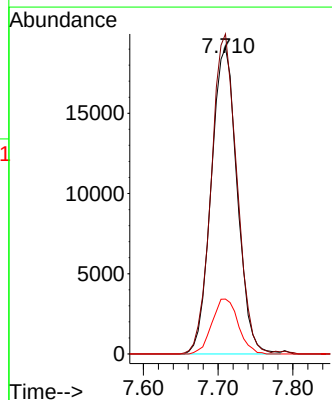
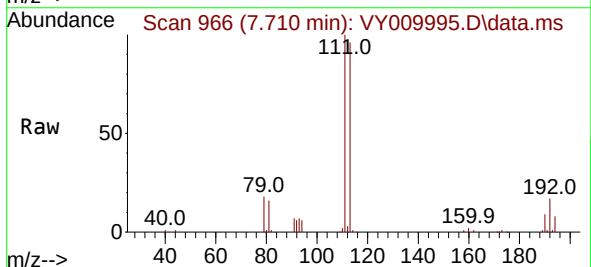
Tgt Ion:113 Resp: 46069

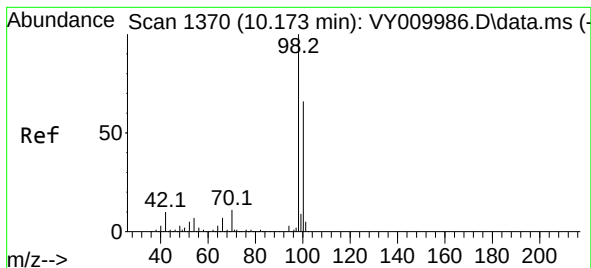
Ion Ratio Lower Upper

113 100

111 103.2 80.6 120.8

192 18.1 16.2 24.4





#50

Toluene-d8

Concen: 31.915 ug/l

RT: 10.173 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Instrument :

MSVOA\_Y

ClientSampleId :

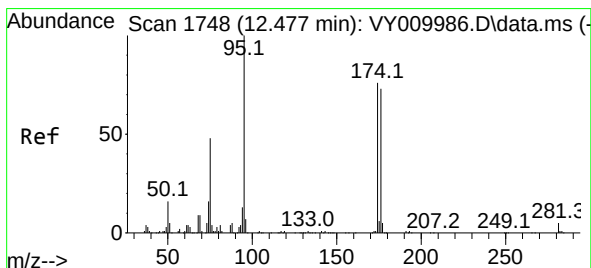
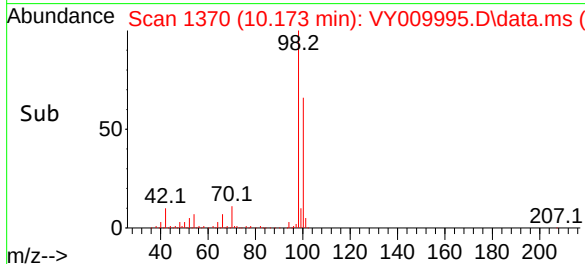
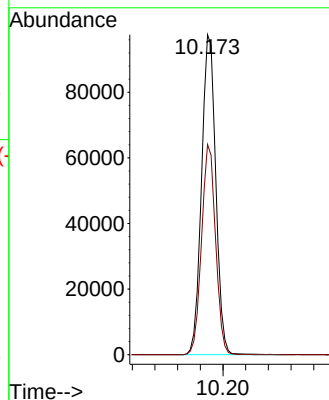
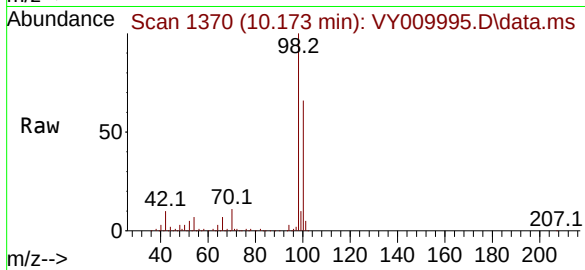
CHRT-24051

Tgt Ion: 98 Resp: 169717

Ion Ratio Lower Upper

98 100

100 64.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 31.277 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

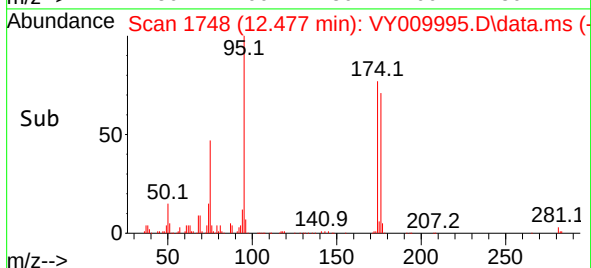
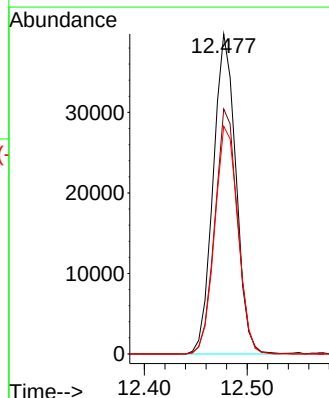
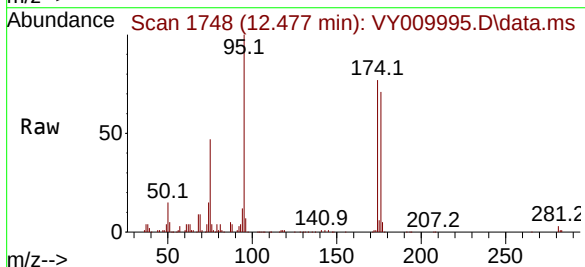
Tgt Ion: 95 Resp: 60938

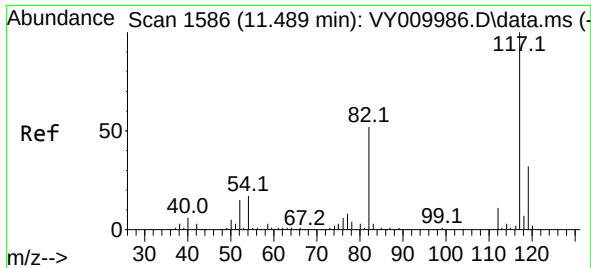
Ion Ratio Lower Upper

95 100

174 76.2 0.0 173.8

176 73.2 0.0 167.0

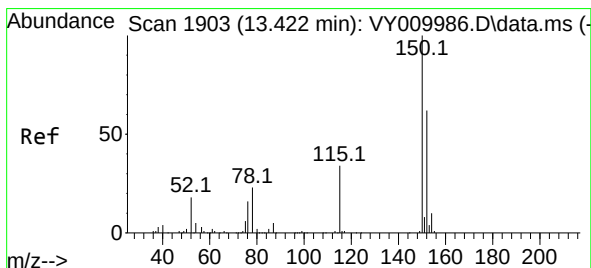
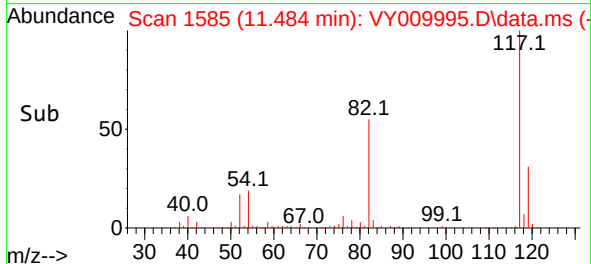
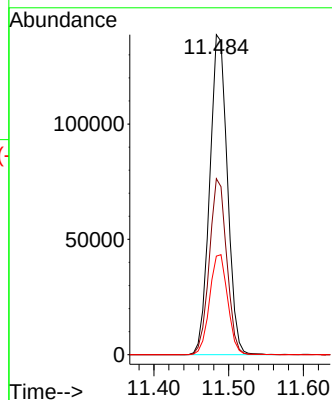
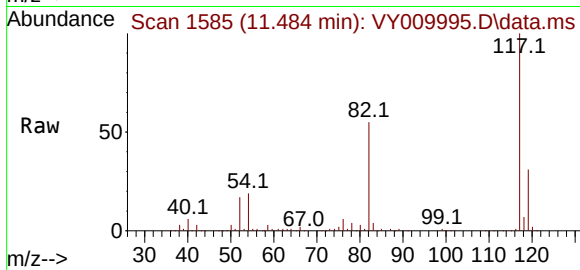




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.484 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009995.D  
Acq: 12 Aug 2022 18:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-24051

Tgt Ion:117 Resp: 227513  
Ion Ratio Lower Upper  
117 100  
82 55.0 41.8 62.6  
119 30.8 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009995.D  
Acq: 12 Aug 2022 18:48

Tgt Ion:152 Resp: 106324  
Ion Ratio Lower Upper  
152 100  
115 60.0 28.6 85.9  
150 157.5 0.0 349.8

