

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041124\  
 Data File : VY017908.D  
 Acq On : 11 Apr 2024 14:02  
 Operator : SY/MD  
 Sample : P2070-03  
 Misc : 4.85g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

Quant Time: Apr 12 05:00:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 05:58:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 105570   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 197482   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 178949   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 68187    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 61631    | 67.464   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 134.920% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 65061    | 57.014   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.020% |
| 50) Toluene-d8              | 10.185 | 98    | 226507   | 53.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 106.280% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 59222    | 45.664   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.320%  |

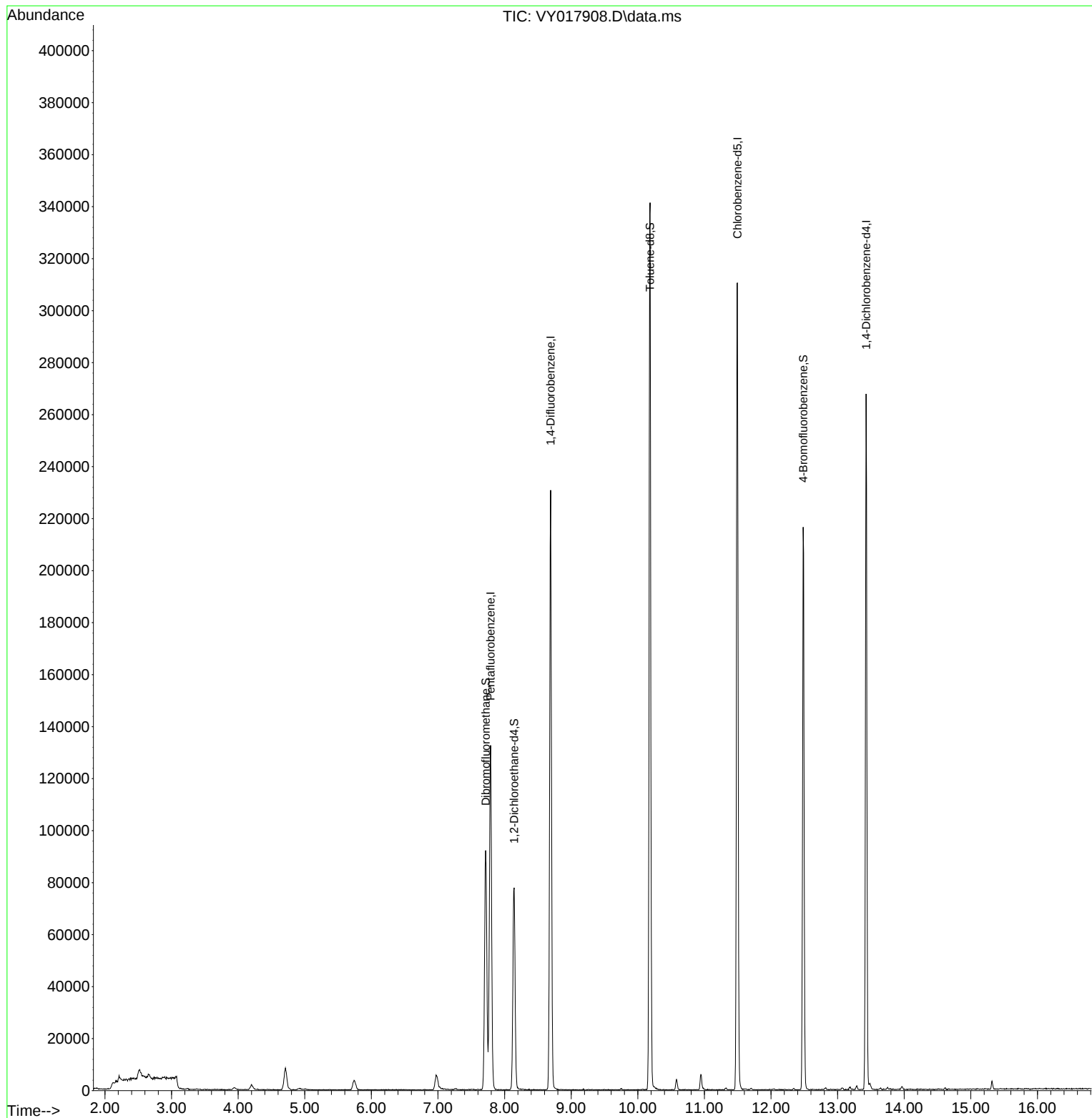
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

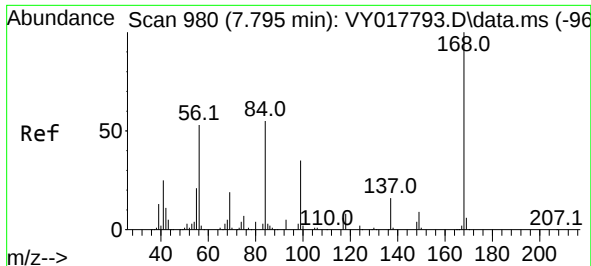
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Mar 30 05:58:13 2024  
Response via : Initial Calibration

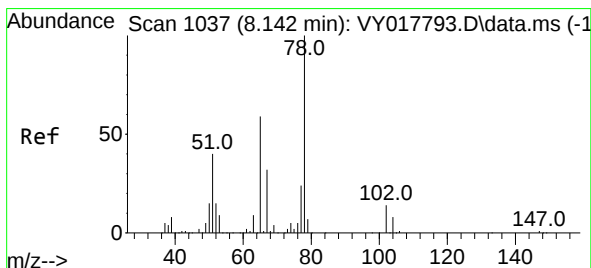
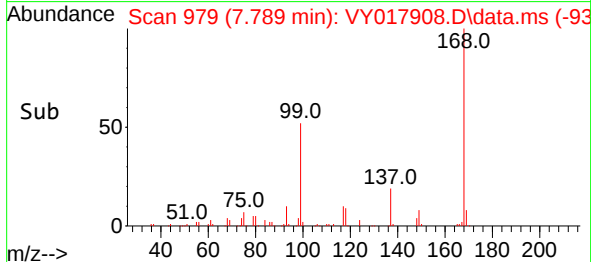
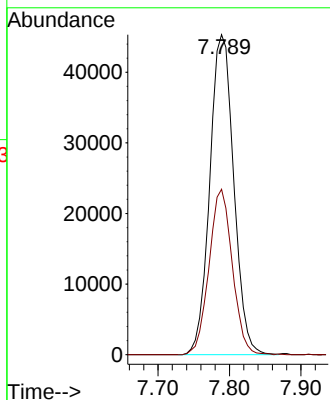
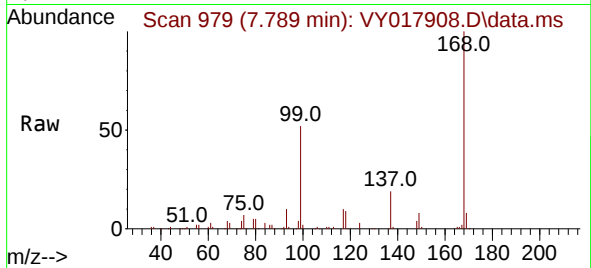




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017908.D  
Acq: 11 Apr 2024 14:02

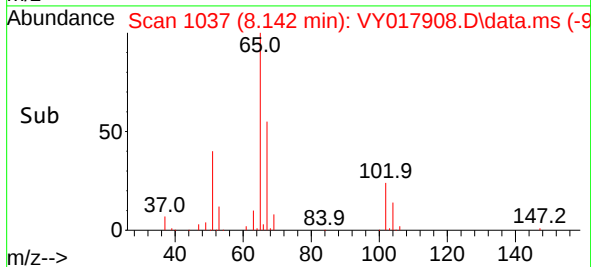
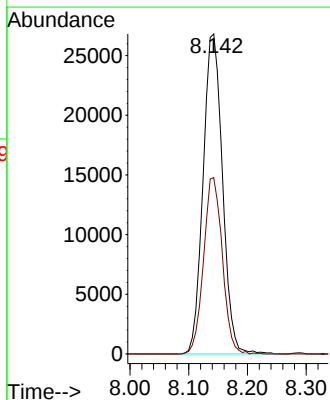
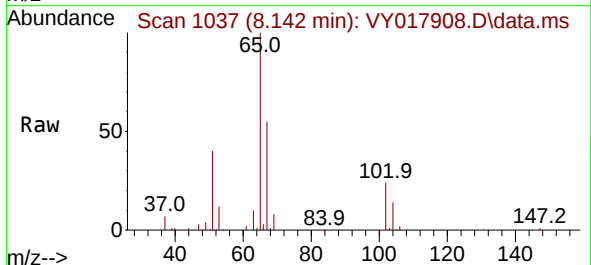
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2

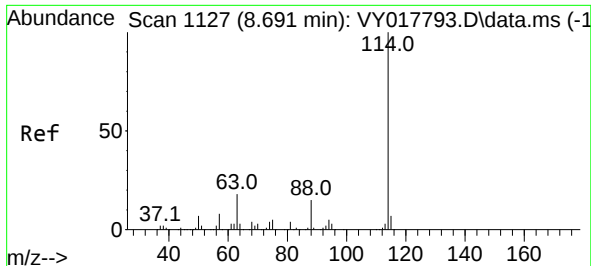
Tgt Ion:168 Resp: 105570  
Ion Ratio Lower Upper  
168 100  
99 51.7 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 67.464 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY017908.D  
Acq: 11 Apr 2024 14:02

Tgt Ion: 65 Resp: 61631  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY017908.D

Acq: 11 Apr 2024 14:02

Instrument :

MSVOA\_Y

ClientSampleId :

TP-2

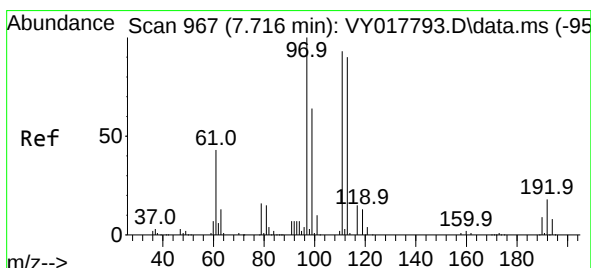
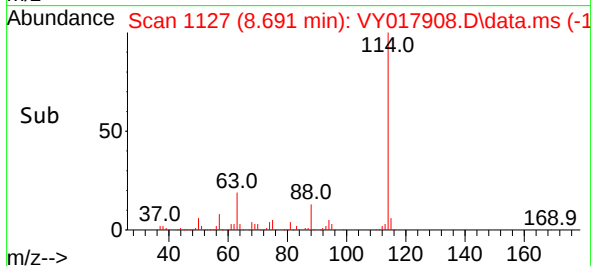
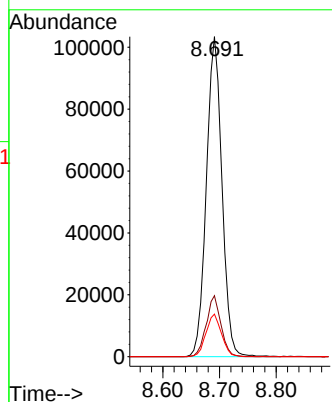
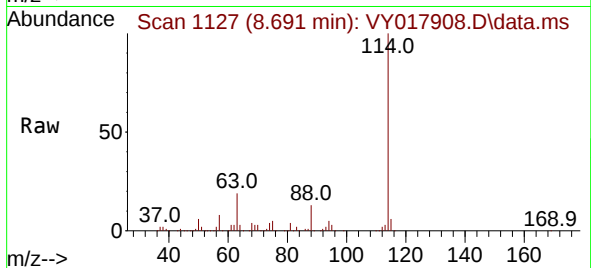
Tgt Ion:114 Resp: 197482

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 13.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.014 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY017908.D

Acq: 11 Apr 2024 14:02

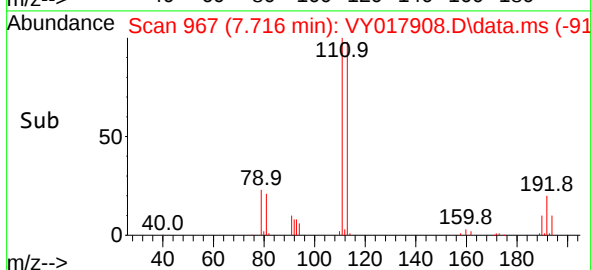
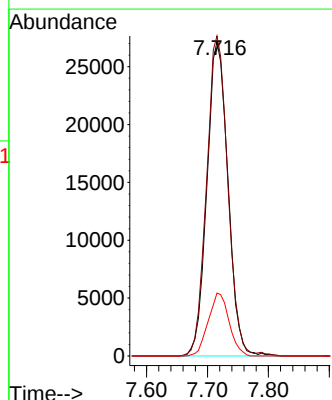
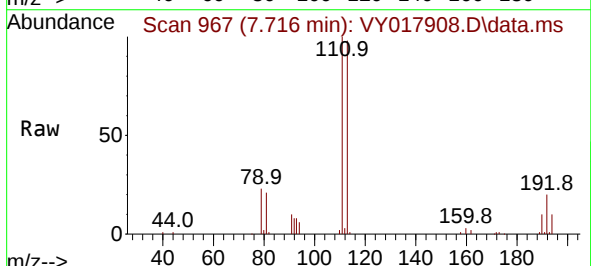
Tgt Ion:113 Resp: 65061

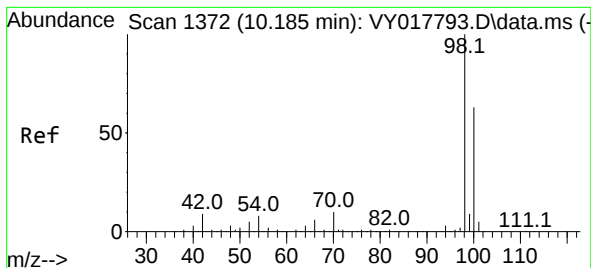
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 19.8 15.9 23.9





#50

Toluene-d8

Concen: 53.138 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017908.D

Acq: 11 Apr 2024 14:02

Instrument :

MSVOA\_Y

ClientSampleId :

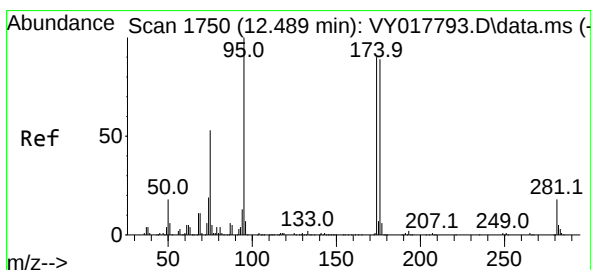
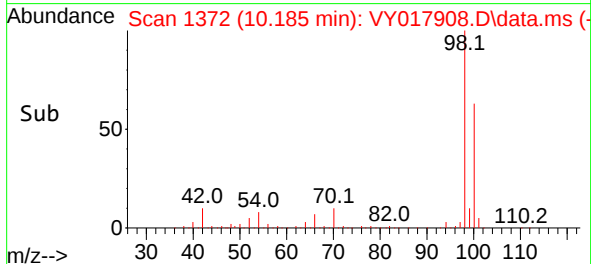
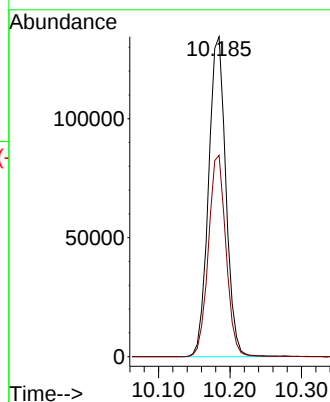
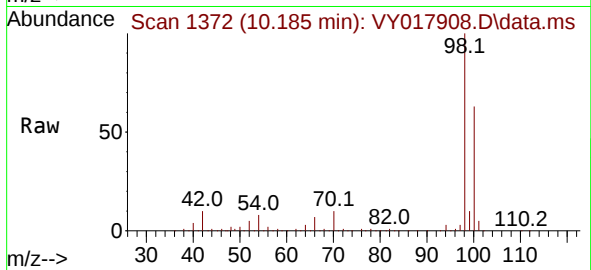
TP-2

Tgt Ion: 98 Resp: 226507

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.664 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017908.D

Acq: 11 Apr 2024 14:02

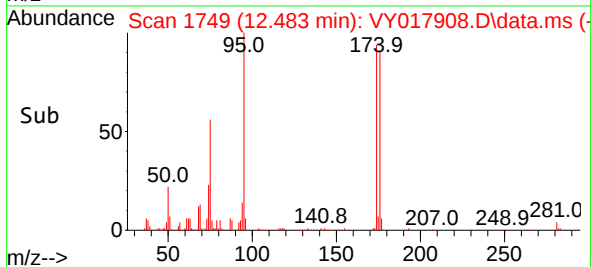
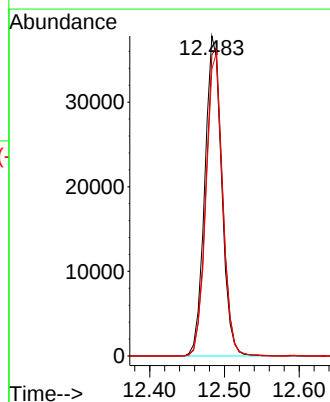
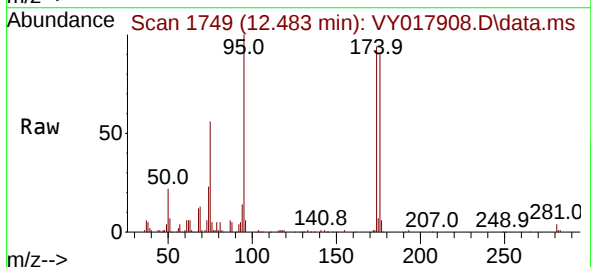
Tgt Ion: 95 Resp: 59222

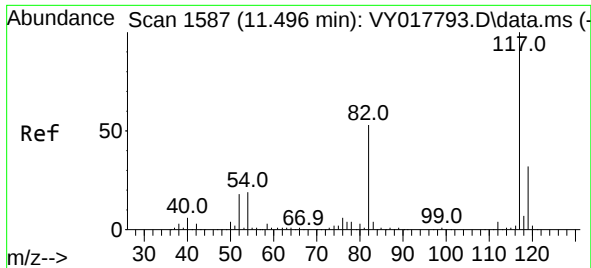
Ion Ratio Lower Upper

95 100

174 95.6 0.0 175.6

176 92.6 0.0 171.4

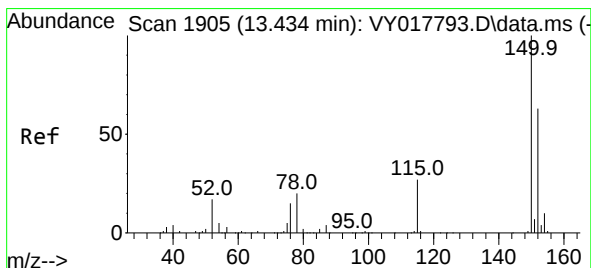
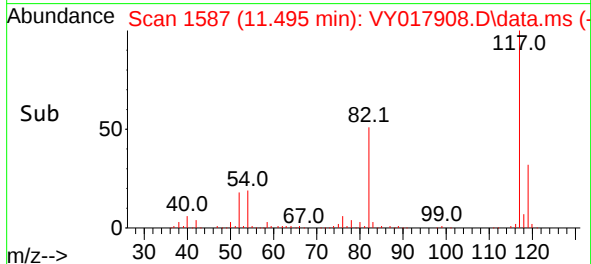
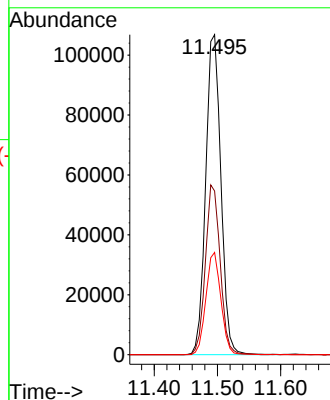
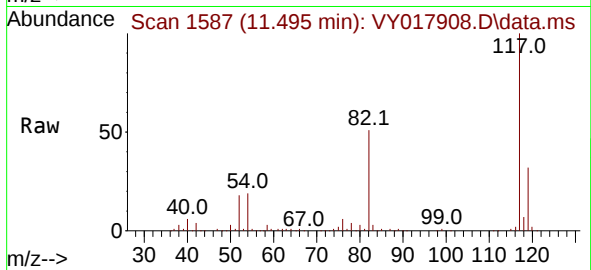




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY017908.D  
Acq: 11 Apr 2024 14:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2

Tgt Ion:117 Resp: 178949  
Ion Ratio Lower Upper  
117 100  
82 51.2 42.4 63.6  
119 31.9 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VY017908.D  
Acq: 11 Apr 2024 14:02

Tgt Ion:152 Resp: 68187  
Ion Ratio Lower Upper  
152 100  
115 54.8 28.2 84.7  
150 155.4 0.0 345.6

