

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
 Data File : VY015917.D  
 Acq On : 11 Oct 2023 12:37  
 Operator : SY/MD  
 Sample : 04817-01  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11930

Quant Time: Oct 12 01:56:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 10 07:06:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 153218   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 266307   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 239665   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 97490    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 86703    | 62.890   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 125.780% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 85290    | 57.419   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 114.840% |
| 50) Toluene-d8              | 10.179 | 98    | 309597   | 63.242   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 126.480% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 98877    | 49.727   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.460%  |

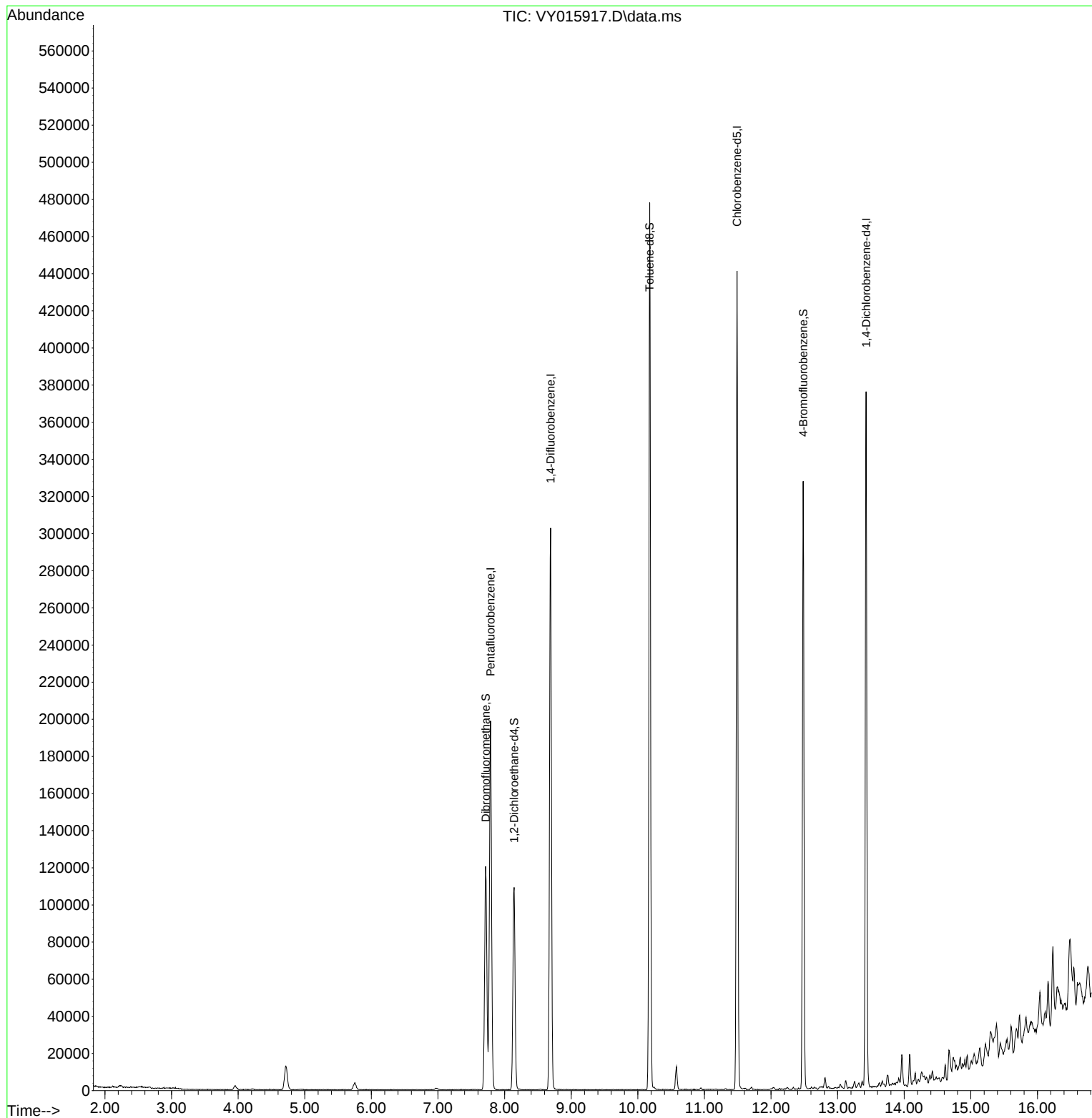
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

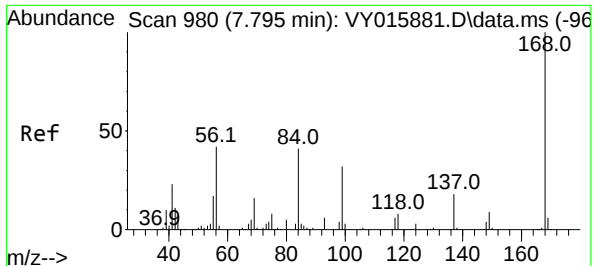
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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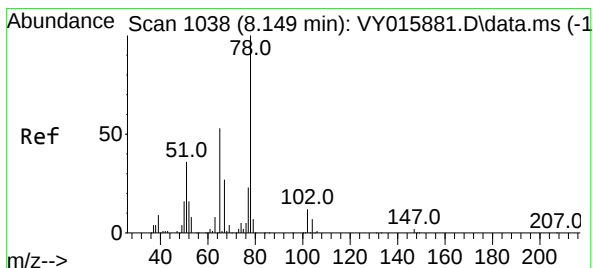
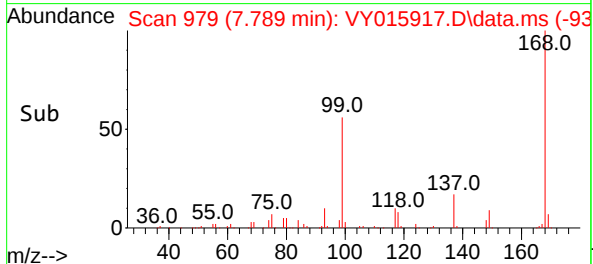
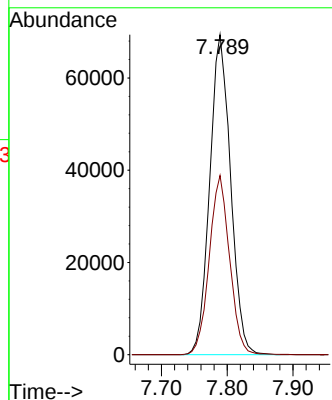
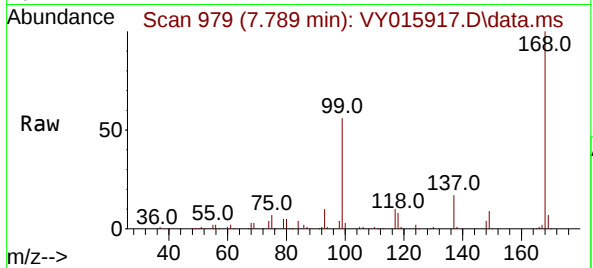




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015917.D  
Acq: 11 Oct 2023 12:37

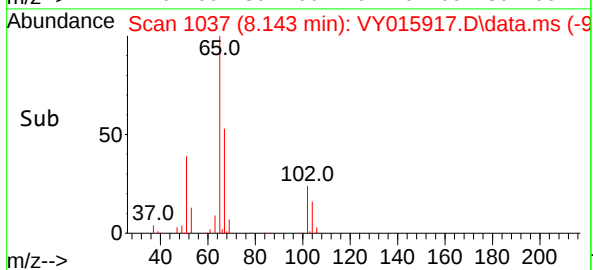
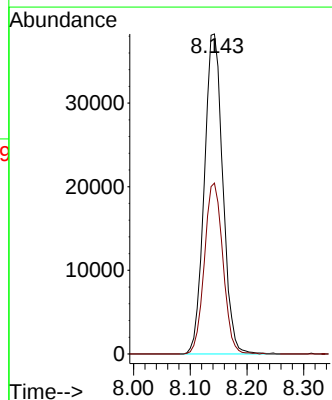
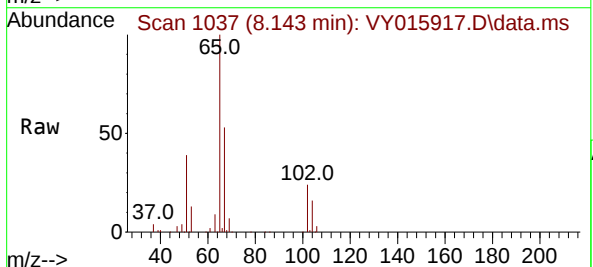
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11930

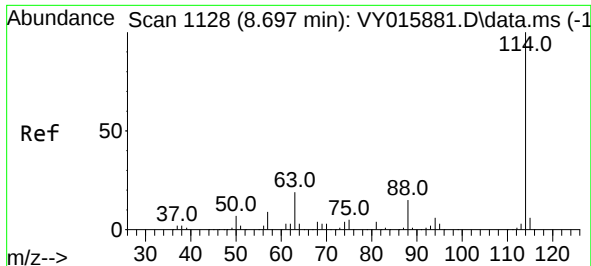
Tgt Ion:168 Resp: 153218  
Ion Ratio Lower Upper  
168 100  
99 56.0 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 62.890 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY015917.D  
Acq: 11 Oct 2023 12:37

Tgt Ion: 65 Resp: 86703  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY015917.D

Acq: 11 Oct 2023 12:37

Instrument :

MSVOA\_Y

ClientSampleId :

72-11930

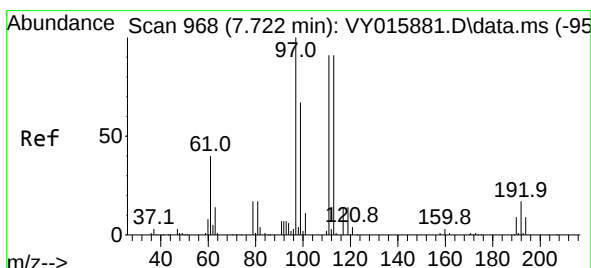
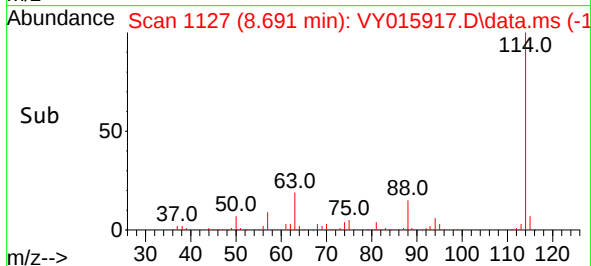
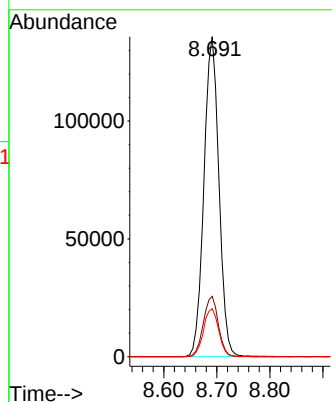
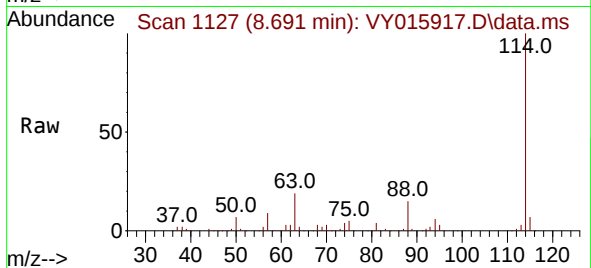
Tgt Ion:114 Resp: 266307

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.419 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY015917.D

Acq: 11 Oct 2023 12:37

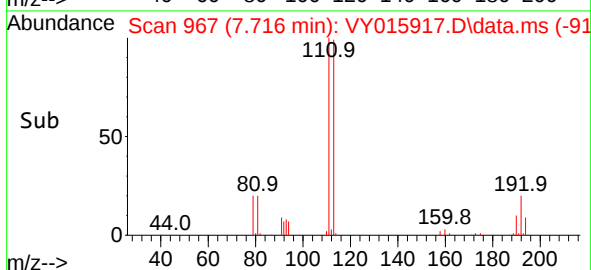
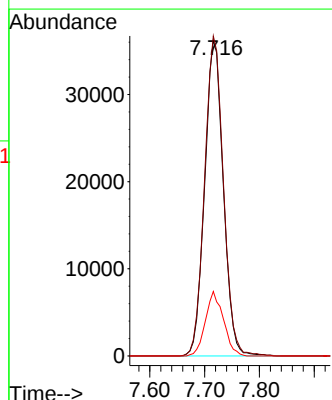
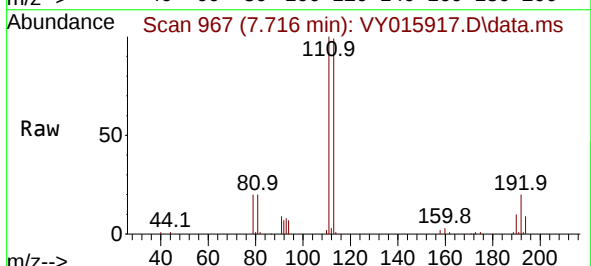
Tgt Ion:113 Resp: 85290

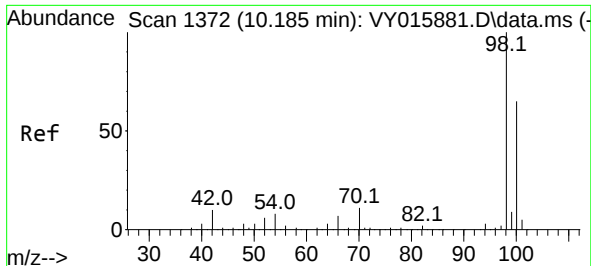
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.8 16.9 25.3

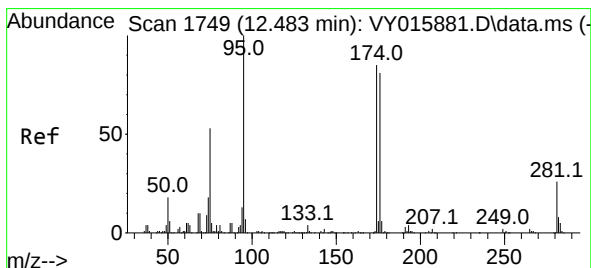
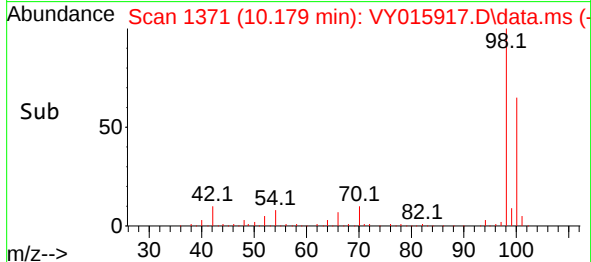
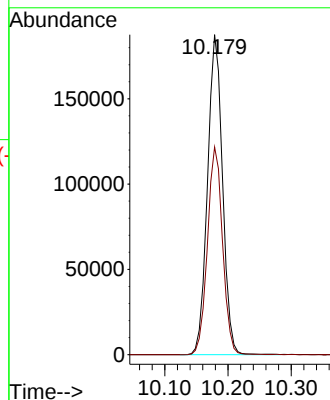
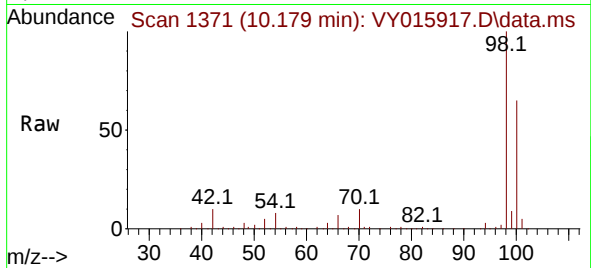




#50  
Toluene-d8  
Concen: 63.242 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015917.D  
Acq: 11 Oct 2023 12:37

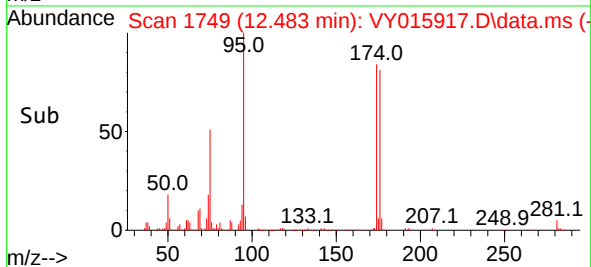
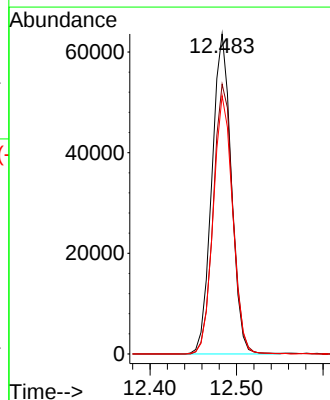
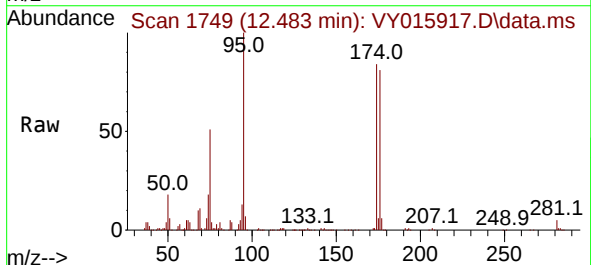
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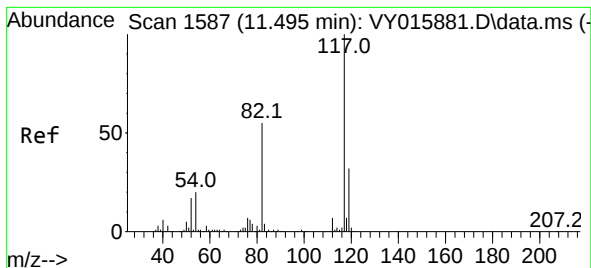
Tgt Ion: 98 Resp: 309597  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.727 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY015917.D  
Acq: 11 Oct 2023 12:37

Tgt Ion: 95 Resp: 98877  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 178.2  
176 80.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015917.D

Acq: 11 Oct 2023 12:37

Instrument :

MSVOA\_Y

ClientSampleId :

72-11930

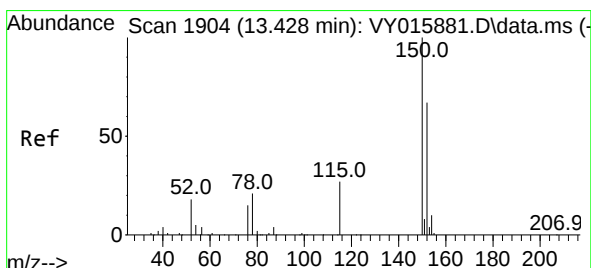
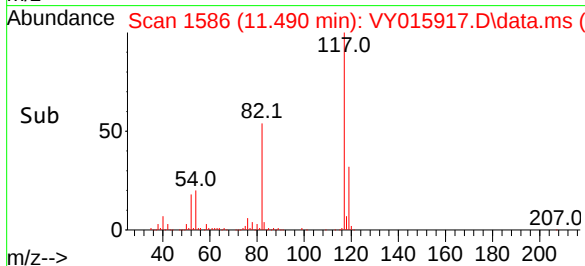
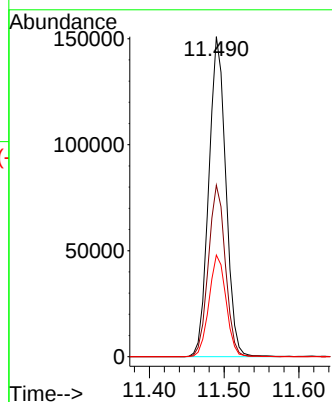
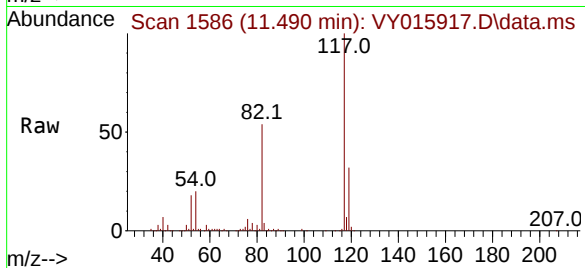
Tgt Ion:117 Resp: 239665

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015917.D

Acq: 11 Oct 2023 12:37

Tgt Ion:152 Resp: 97490

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 158.5 0.0 348.8

