

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080723\  
 Data File : VY014970.D  
 Acq On : 07 Aug 2023 18:02  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Aug 08 07:53:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 08 07:44:56 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 216068   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 377649   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 370351   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 181408   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 139429   | 53.241   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.480% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 119304   | 49.402   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.800%  |
| 50) Toluene-d8              | 10.179 | 98    | 452187   | 49.194   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.380%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 173510   | 53.260   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 106.520% |

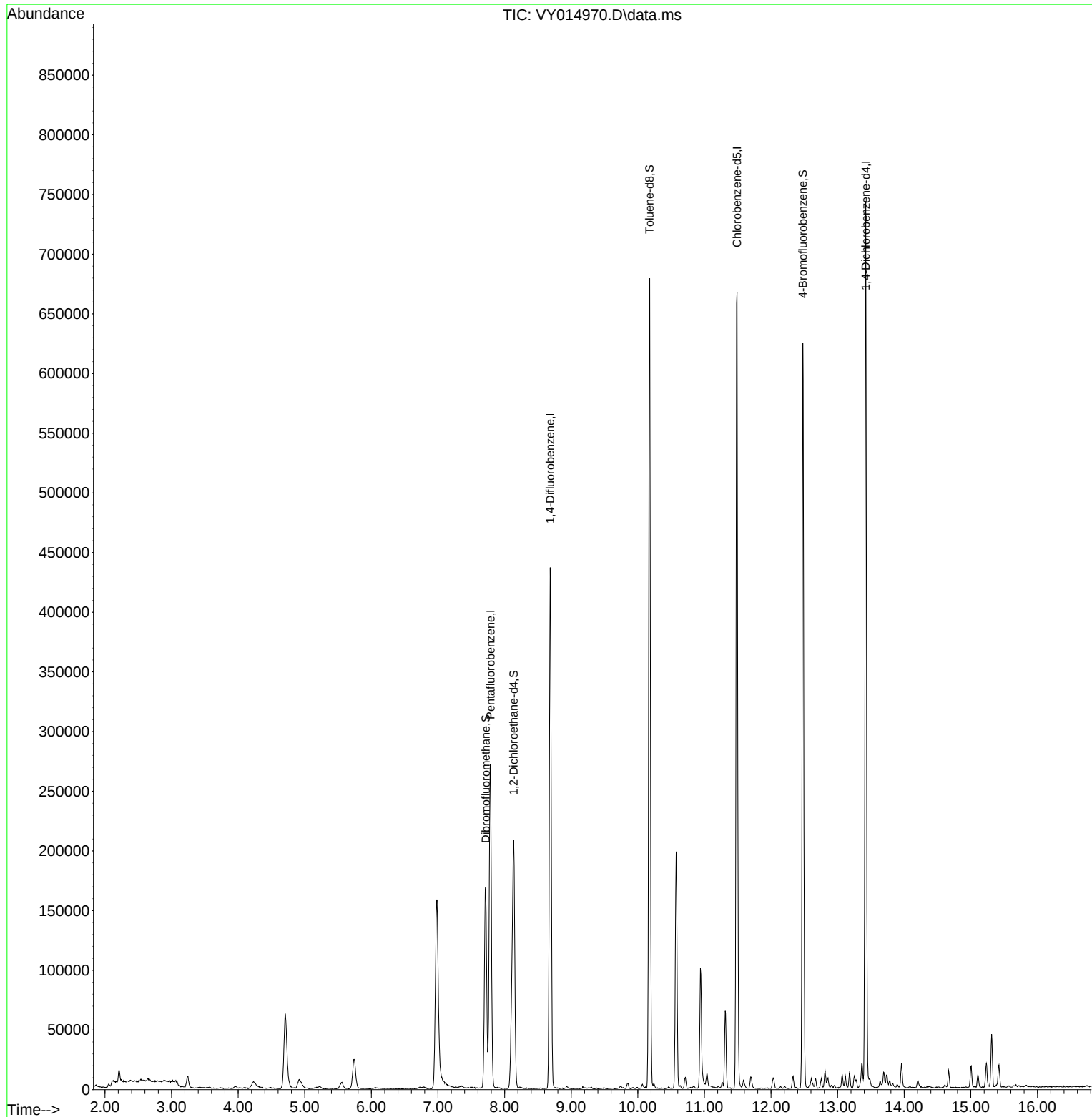
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

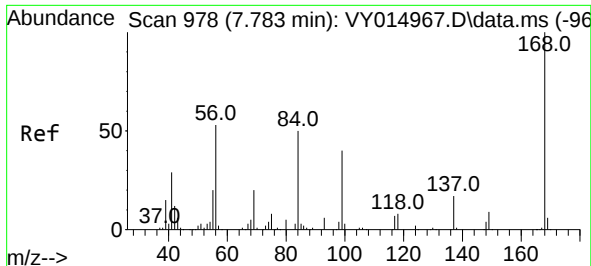
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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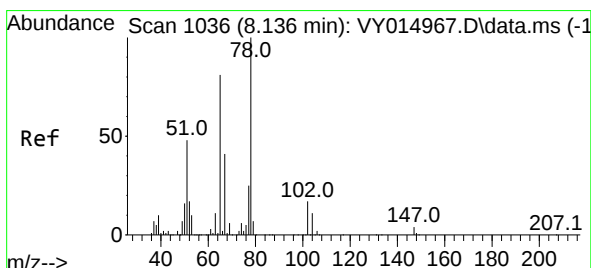
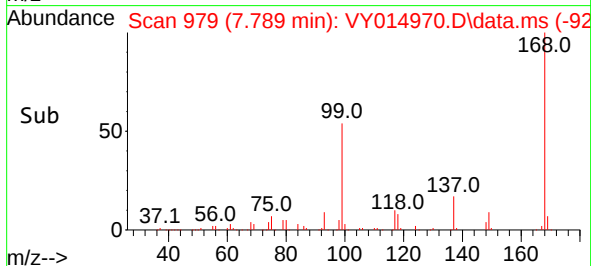
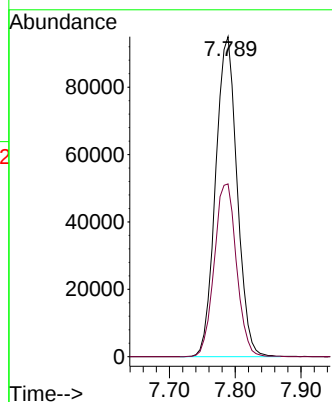
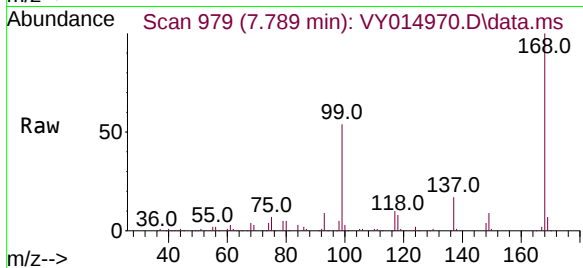




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014970.D  
Acq: 07 Aug 2023 18:02

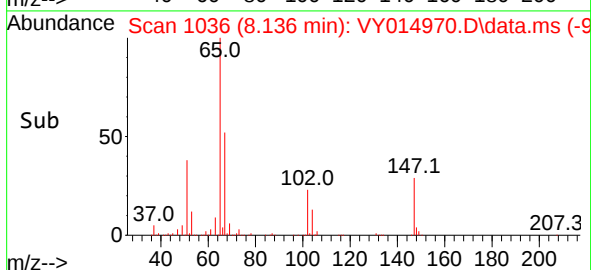
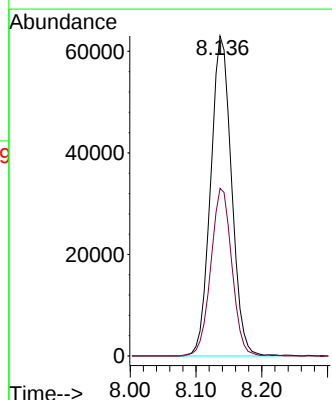
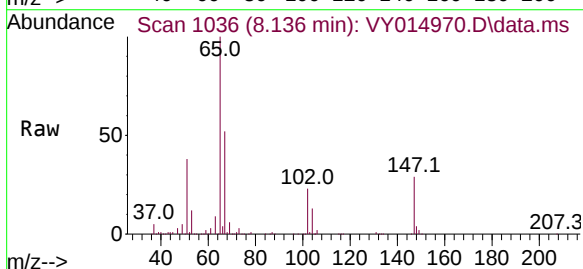
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

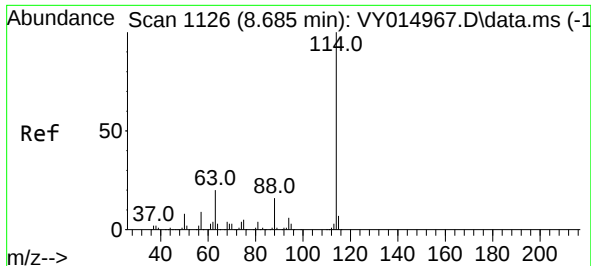
Tgt Ion:168 Resp: 216068  
Ion Ratio Lower Upper  
168 100  
99 54.0 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.241 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014970.D  
Acq: 07 Aug 2023 18:02

Tgt Ion: 65 Resp: 139429  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

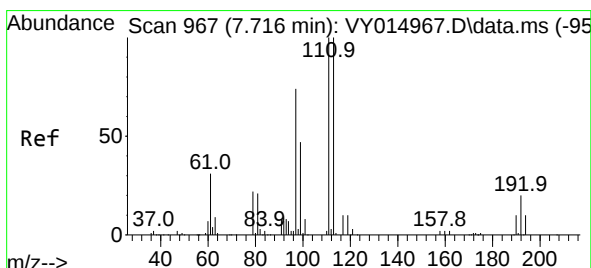
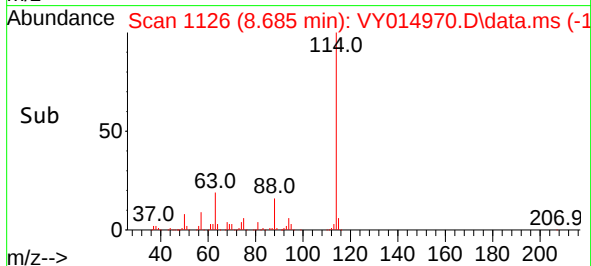
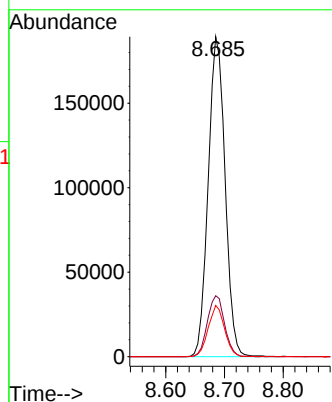
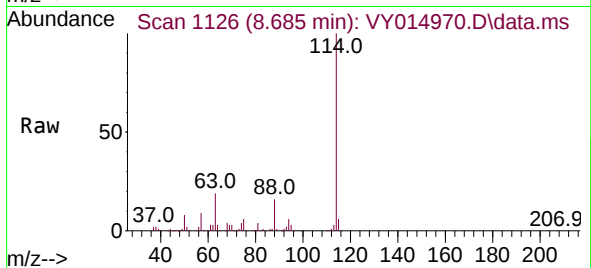
Tgt Ion:114 Resp: 377649

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.402 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

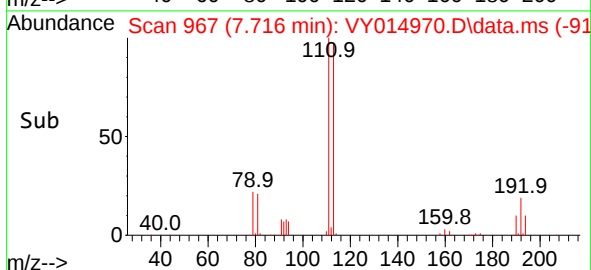
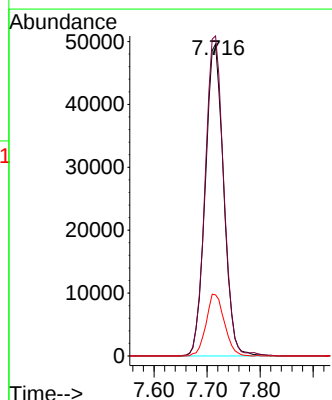
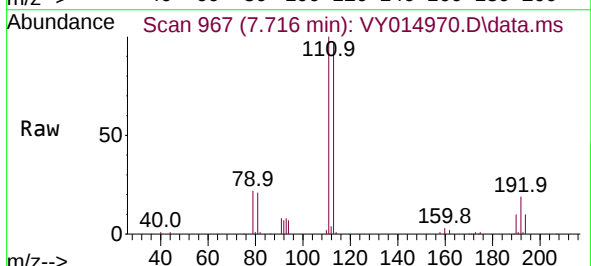
Tgt Ion:113 Resp: 119304

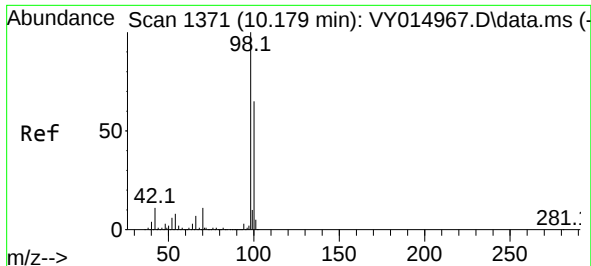
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 19.7 16.9 25.3

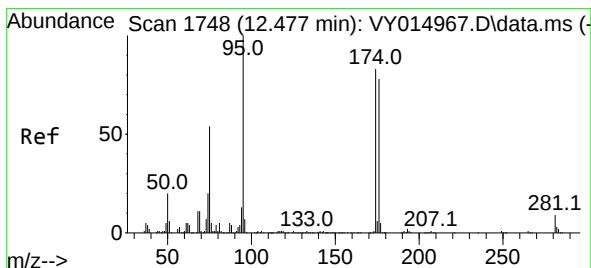
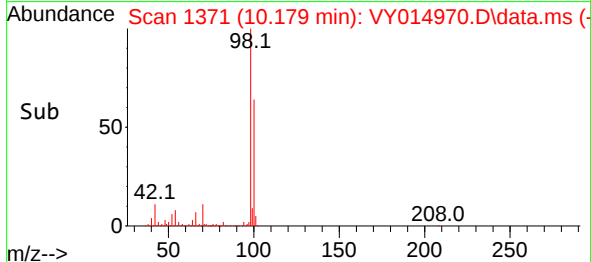
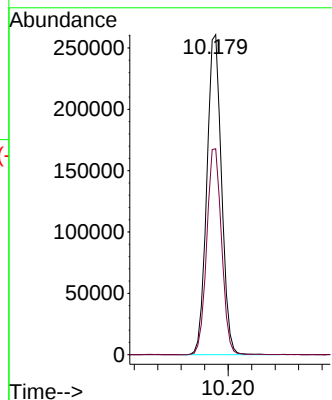
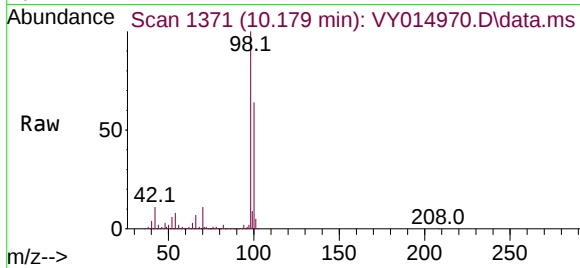




#50  
Toluene-d8  
Concen: 49.194 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY014970.D  
Acq: 07 Aug 2023 18:02

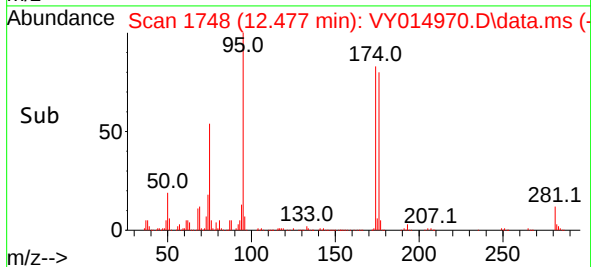
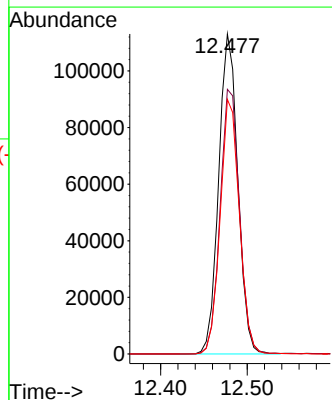
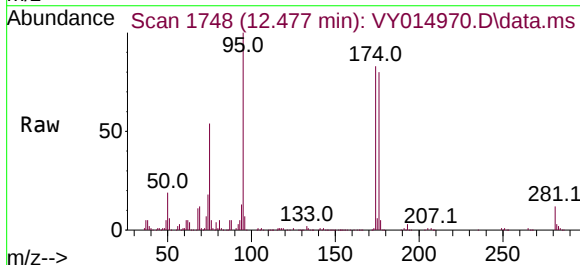
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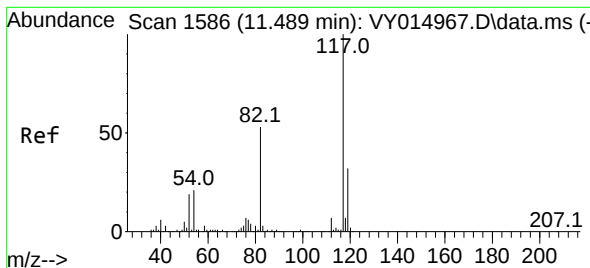
Tgt Ion: 98 Resp: 452187  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 53.260 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014970.D  
Acq: 07 Aug 2023 18:02

Tgt Ion: 95 Resp: 173510  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 178.2  
176 79.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

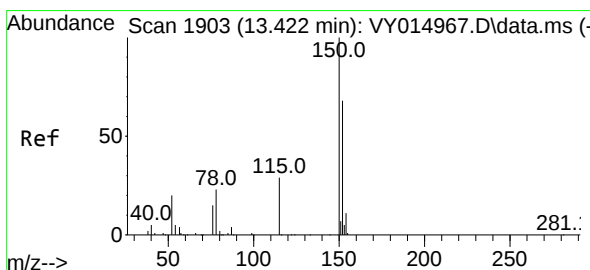
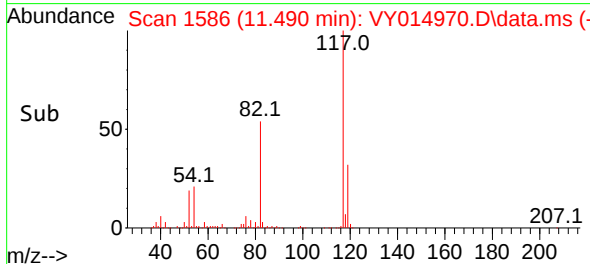
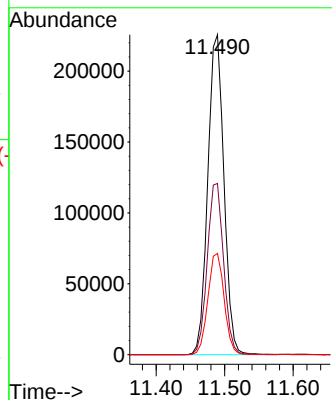
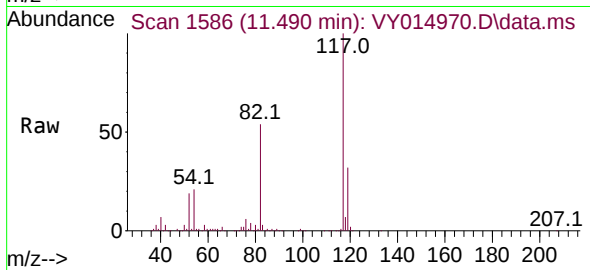
Tgt Ion:117 Resp: 370351

Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 31.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014970.D

Acq: 07 Aug 2023 18:02

Tgt Ion:152 Resp: 181408

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 157.0 0.0 348.8

