

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072523\  
 Data File : VY014796.D  
 Acq On : 25 Jul 2023 12:58  
 Operator : SY/MD  
 Sample : 03719-06RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-P23BRE

Quant Time: Jul 25 14:14:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 9626     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 15276    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 13557    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 5589     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 5708     | 52.037   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 104.080% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 3762     | 38.686   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 77.380%  |
| 50) Toluene-d8              | 10.179 | 98    | 17714    | 49.409   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.820%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 5571     | 40.526   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.060%  |

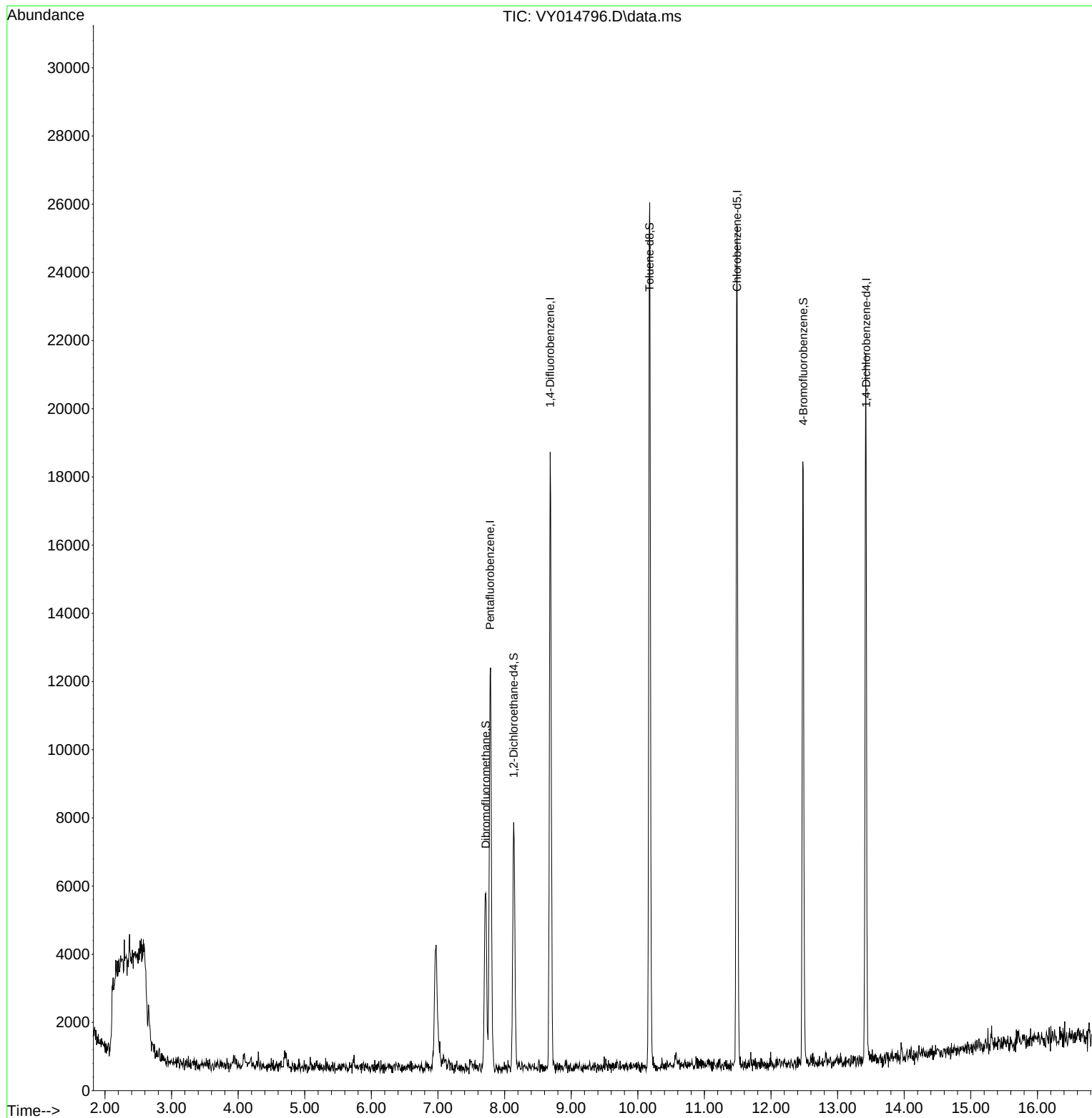
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

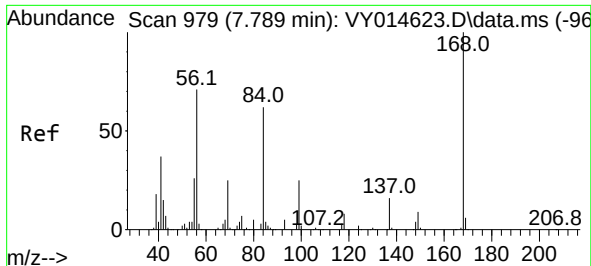
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

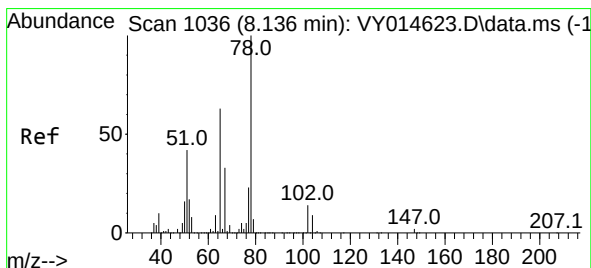
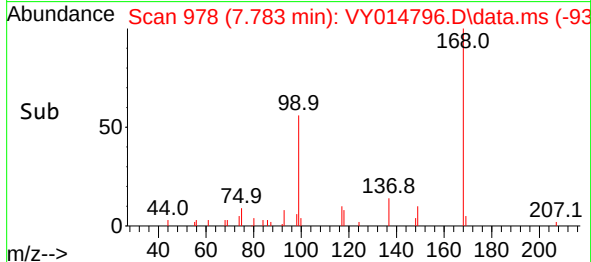
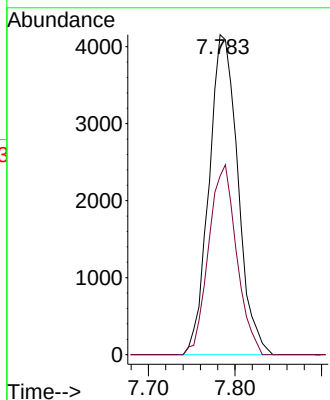
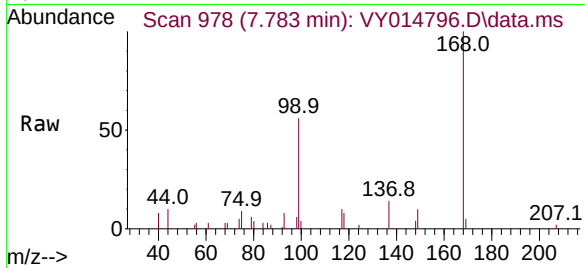




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014796.D  
Acq: 25 Jul 2023 12:58

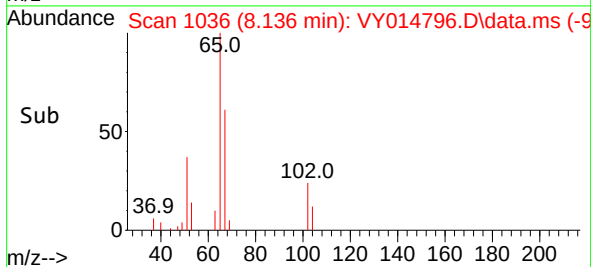
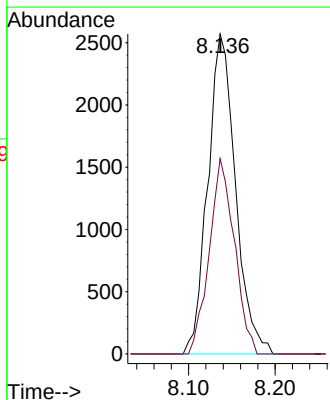
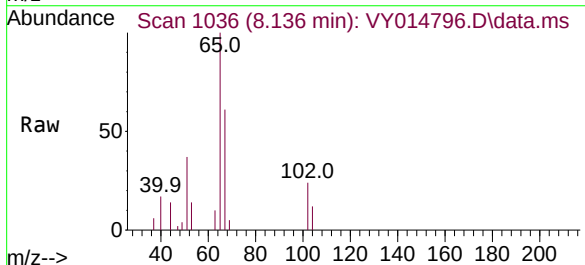
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-P23BRE

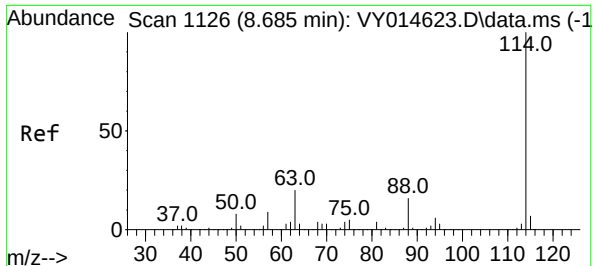
Tgt Ion:168 Resp: 9626  
Ion Ratio Lower Upper  
168 100  
99 55.9 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.037 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014796.D  
Acq: 25 Jul 2023 12:58

Tgt Ion: 65 Resp: 5708  
Ion Ratio Lower Upper  
65 100  
67 55.4 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: VY014796.D

Acq: 25 Jul 2023 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

B-P23BRE

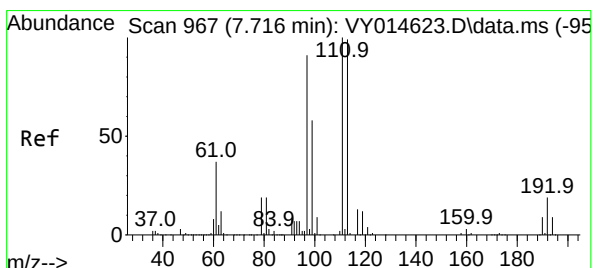
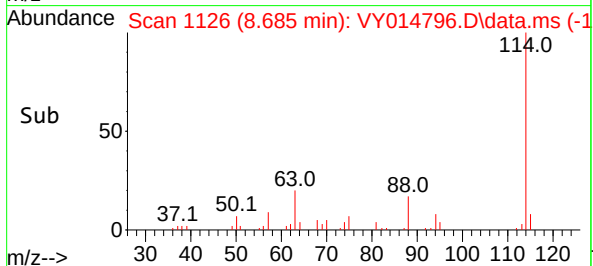
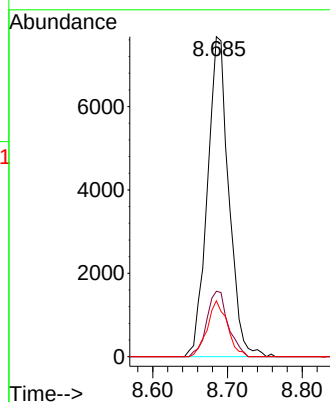
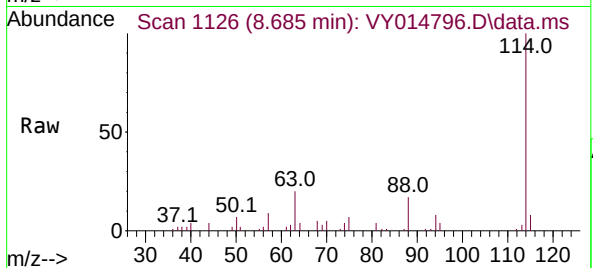
Tgt Ion:114 Resp: 15276

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 17.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 38.686 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014796.D

Acq: 25 Jul 2023 12:58

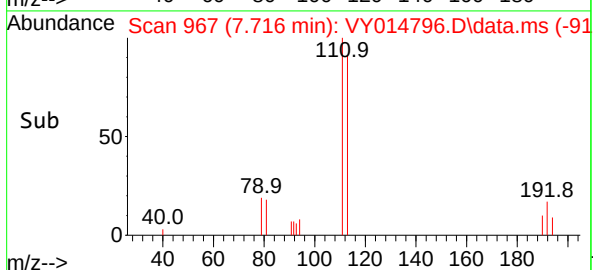
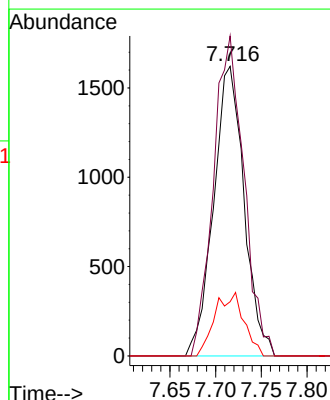
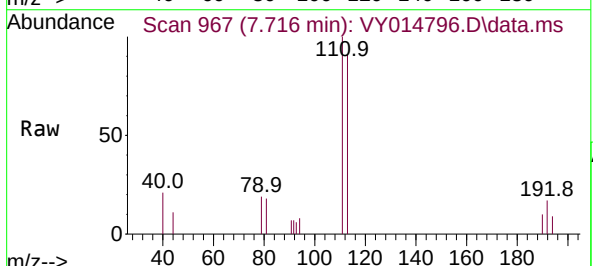
Tgt Ion:113 Resp: 3762

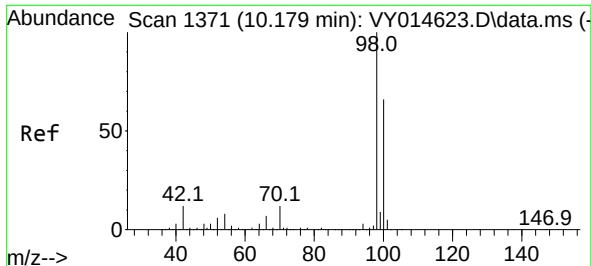
Ion Ratio Lower Upper

113 100

111 110.5 81.3 121.9

192 20.8 16.9 25.3

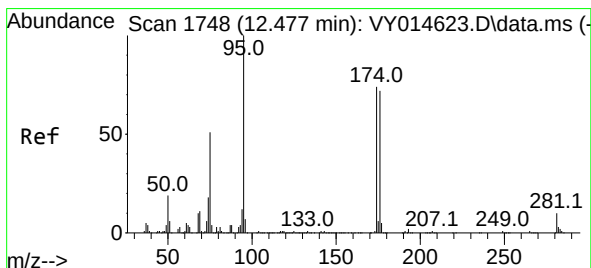
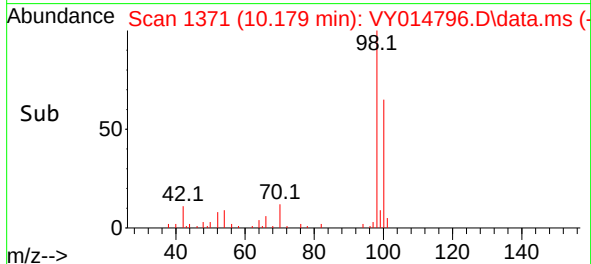
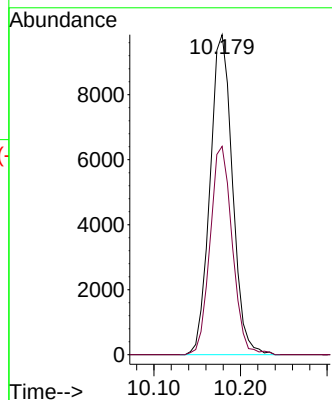
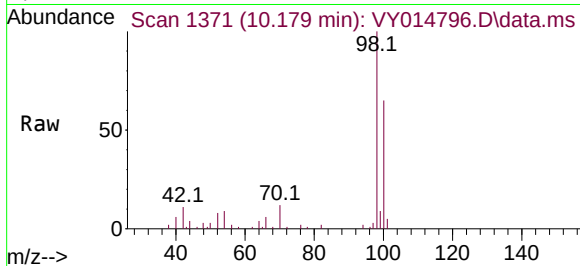




#50  
Toluene-d8  
Concen: 49.409 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014796.D  
Acq: 25 Jul 2023 12:58

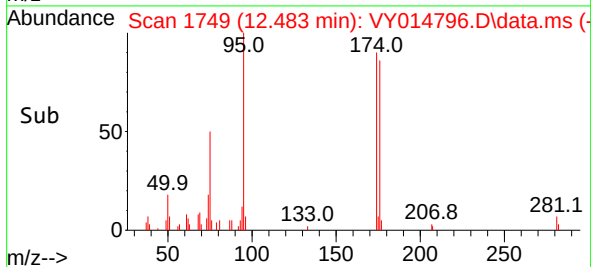
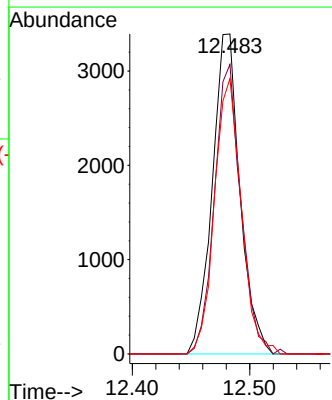
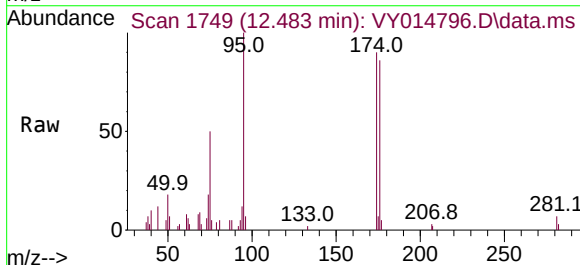
Instrument :  
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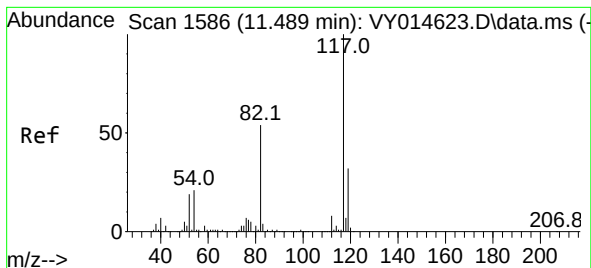
Tgt Ion: 98 Resp: 17714  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 40.526 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014796.D  
Acq: 25 Jul 2023 12:58

Tgt Ion: 95 Resp: 5571  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 178.2  
176 83.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014796.D

Acq: 25 Jul 2023 12:58

Instrument :

MSVOA\_Y

ClientSampleId :

B-P23BRE

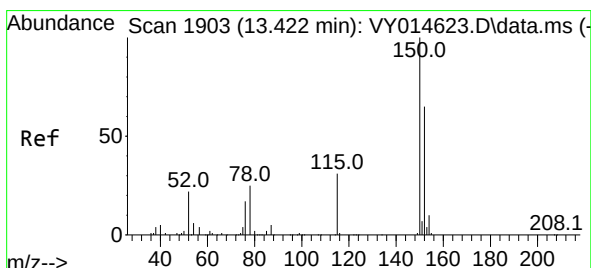
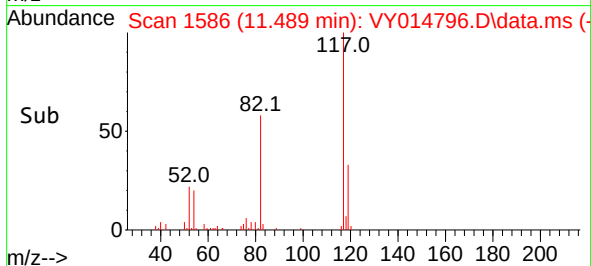
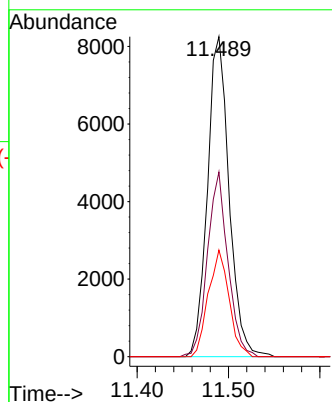
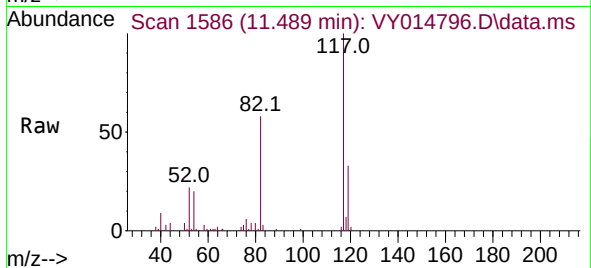
Tgt Ion:117 Resp: 13557

Ion Ratio Lower Upper

117 100

82 57.7 43.4 65.0

119 33.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014796.D

Acq: 25 Jul 2023 12:58

Tgt Ion:152 Resp: 5589

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 154.6 0.0 348.8

