

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090523\  
 Data File : VY015439.D  
 Acq On : 05 Sep 2023 18:39  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Sep 06 01:47:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 293732   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 492237   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 451334   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 224195   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 184492   | 58.592   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.180% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 154577   | 54.521   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.040% |
| 50) Toluene-d8              | 10.173 | 98    | 578925   | 56.386   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 112.780% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 210277   | 55.168   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 110.340% |

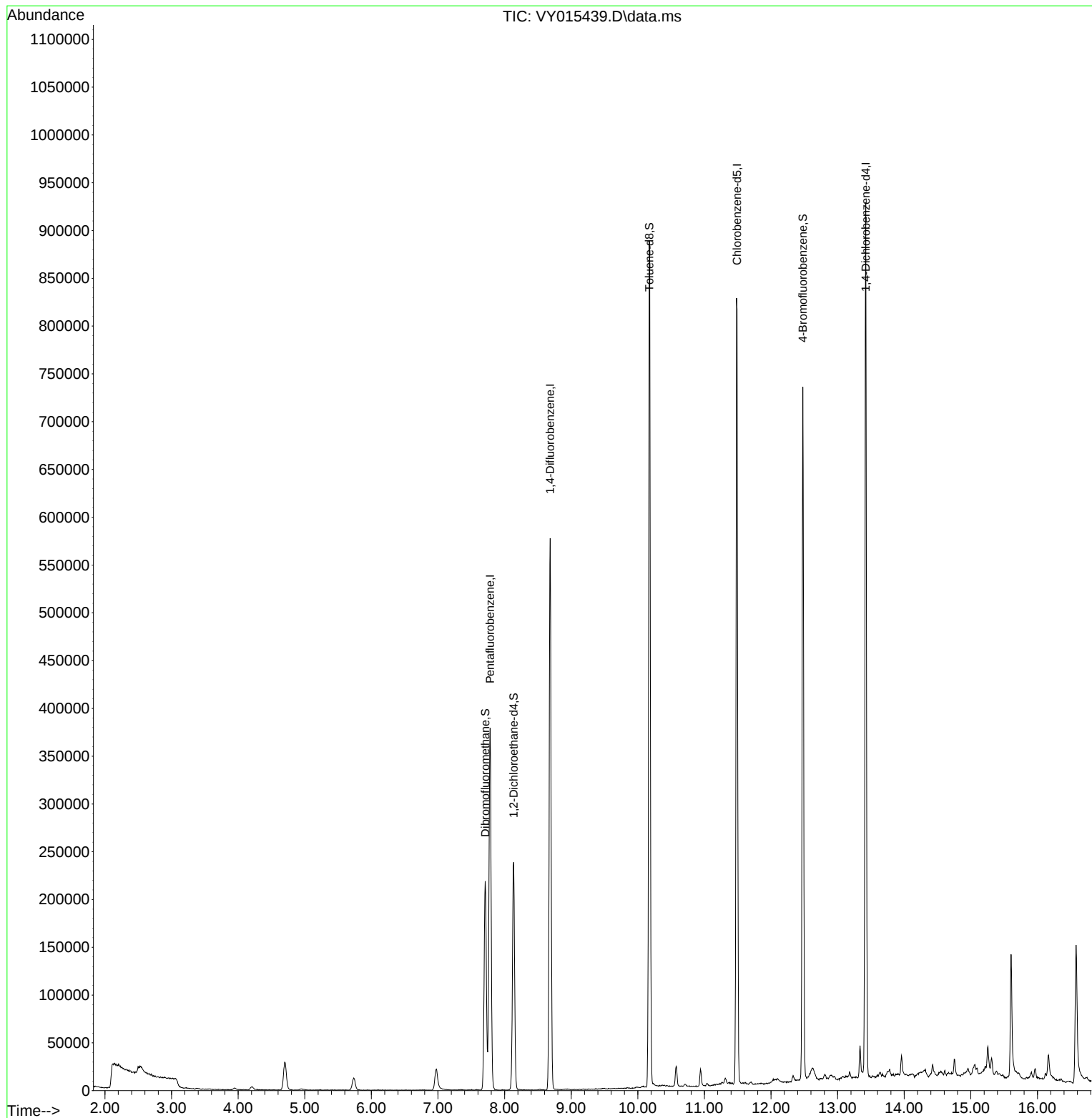
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

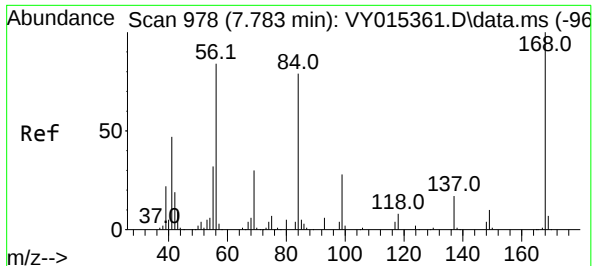
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration

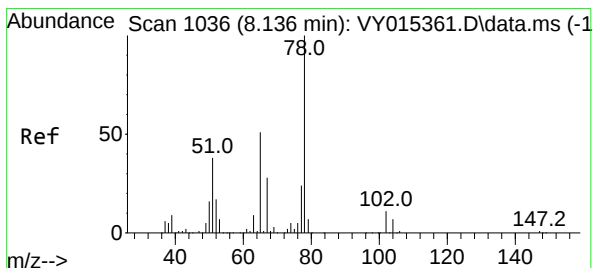
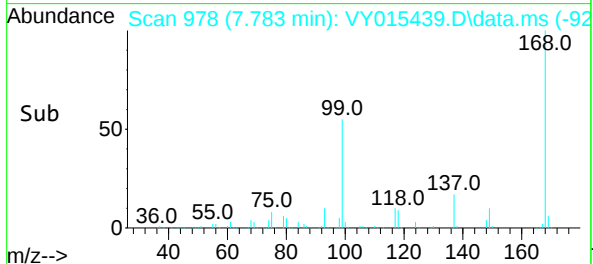
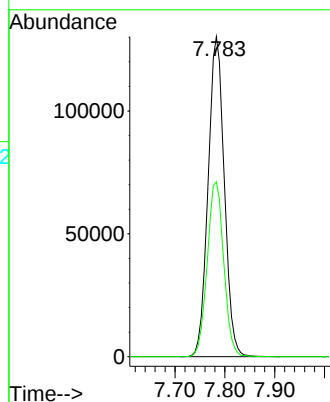
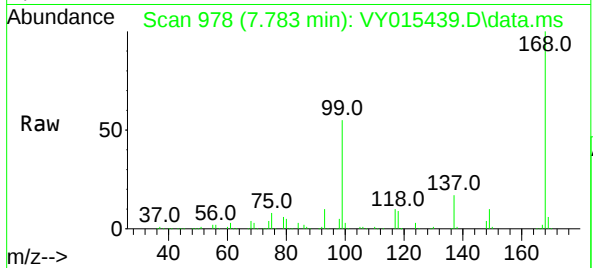




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015439.D  
Acq: 05 Sep 2023 18:39

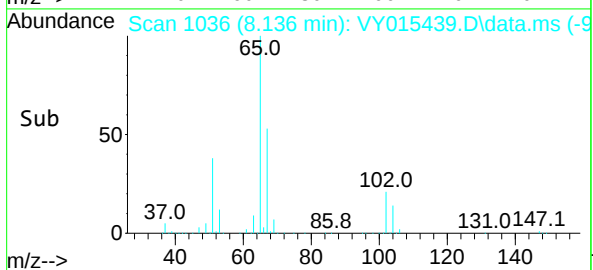
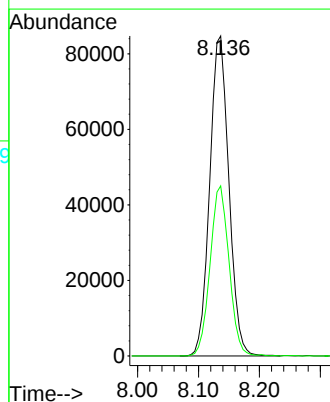
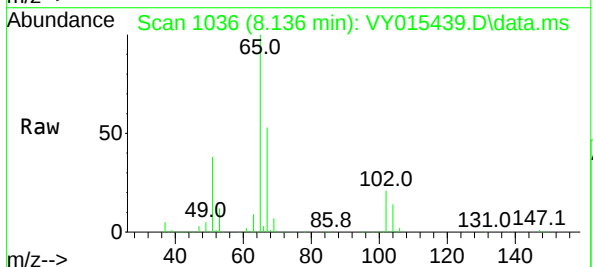
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:168 Resp: 293732  
Ion Ratio Lower Upper  
168 100  
99 54.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 58.592 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015439.D  
Acq: 05 Sep 2023 18:39

Tgt Ion: 65 Resp: 184492  
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: VY015439.D

Acq: 05 Sep 2023 18:39

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

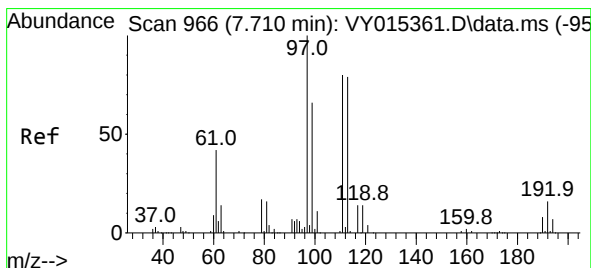
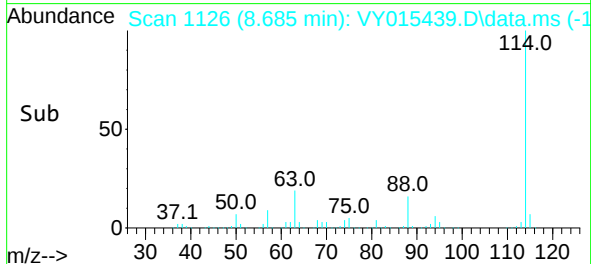
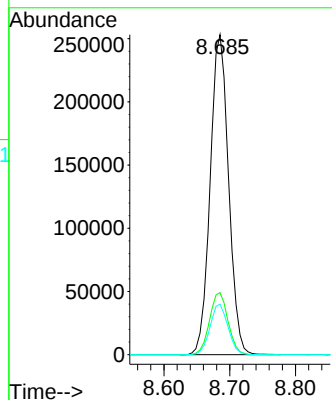
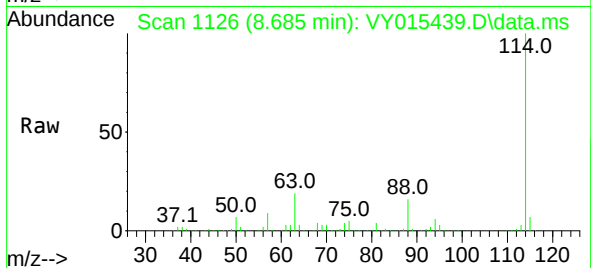
Tgt Ion:114 Resp: 492237

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.521 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015439.D

Acq: 05 Sep 2023 18:39

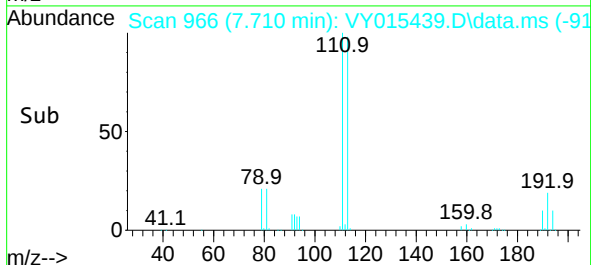
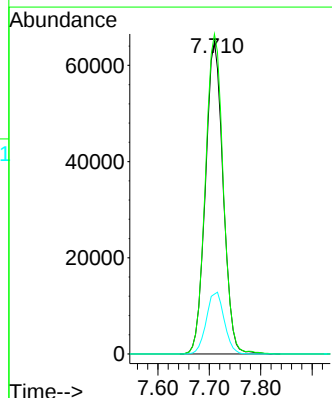
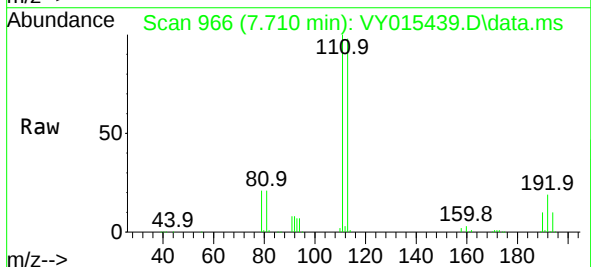
Tgt Ion:113 Resp: 154577

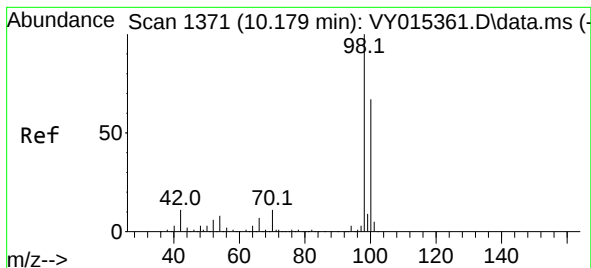
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 20.1 16.9 25.3





#50

Toluene-d8

Concen: 56.386 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015439.D

Acq: 05 Sep 2023 18:39

Instrument :

MSVOA\_Y

ClientSampleId :

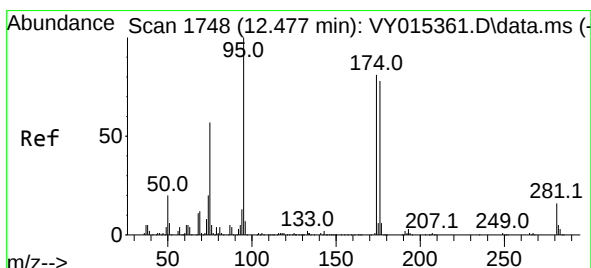
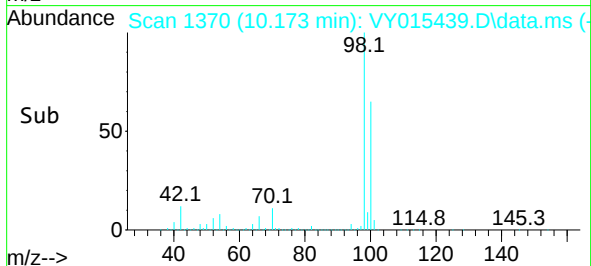
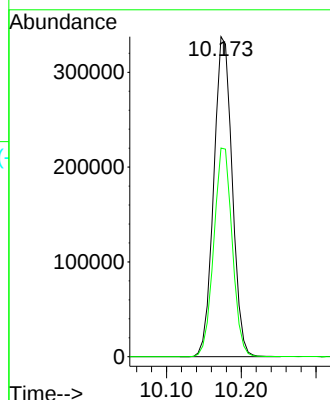
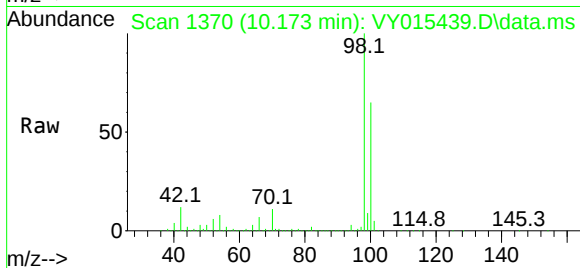
VIBLK

Tgt Ion: 98 Resp: 578925

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.168 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015439.D

Acq: 05 Sep 2023 18:39

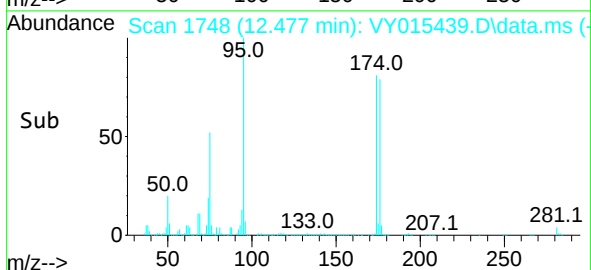
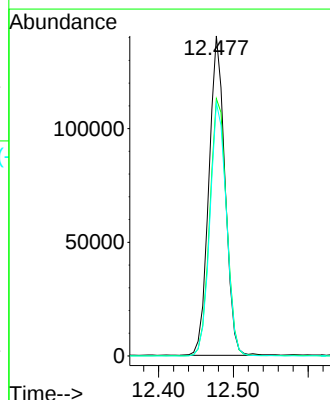
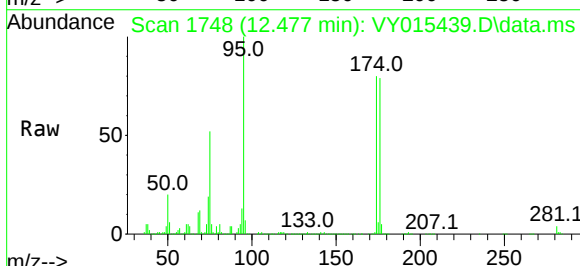
Tgt Ion: 95 Resp: 210277

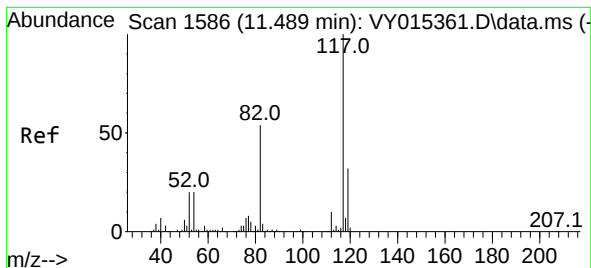
Ion Ratio Lower Upper

95 100

174 83.7 0.0 178.2

176 81.0 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: VY015439.D

Acq: 05 Sep 2023 18:39

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

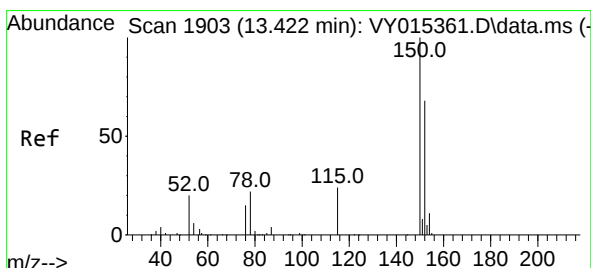
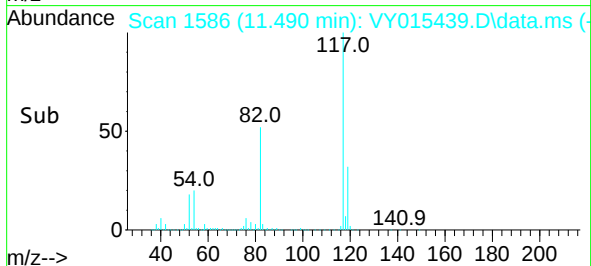
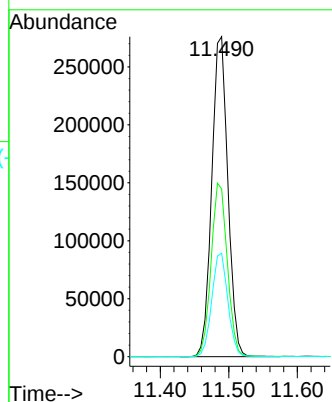
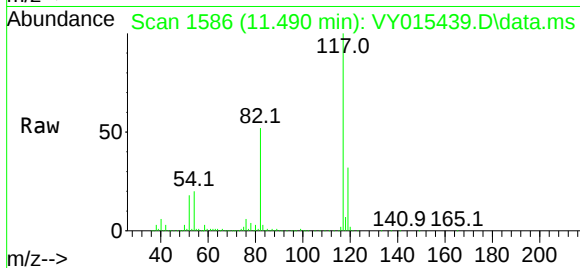
Tgt Ion:117 Resp: 451334

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.3 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: VY015439.D

Acq: 05 Sep 2023 18:39

Tgt Ion:152 Resp: 224195

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.0 0.0 348.8

