

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061323\  
 Data File : VX036136.D  
 Acq On : 13 Jun 2023 12:08  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 14 00:52:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 31 12:50:30 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 213918   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 352423   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 309797   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 147314   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 164423   | 47.333   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 94.660% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 110297   | 46.531   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.060% |
| 50) Toluene-d8              | 8.647  | 98    | 414342   | 48.705   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 97.420% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 162149   | 48.284   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 96.560% |

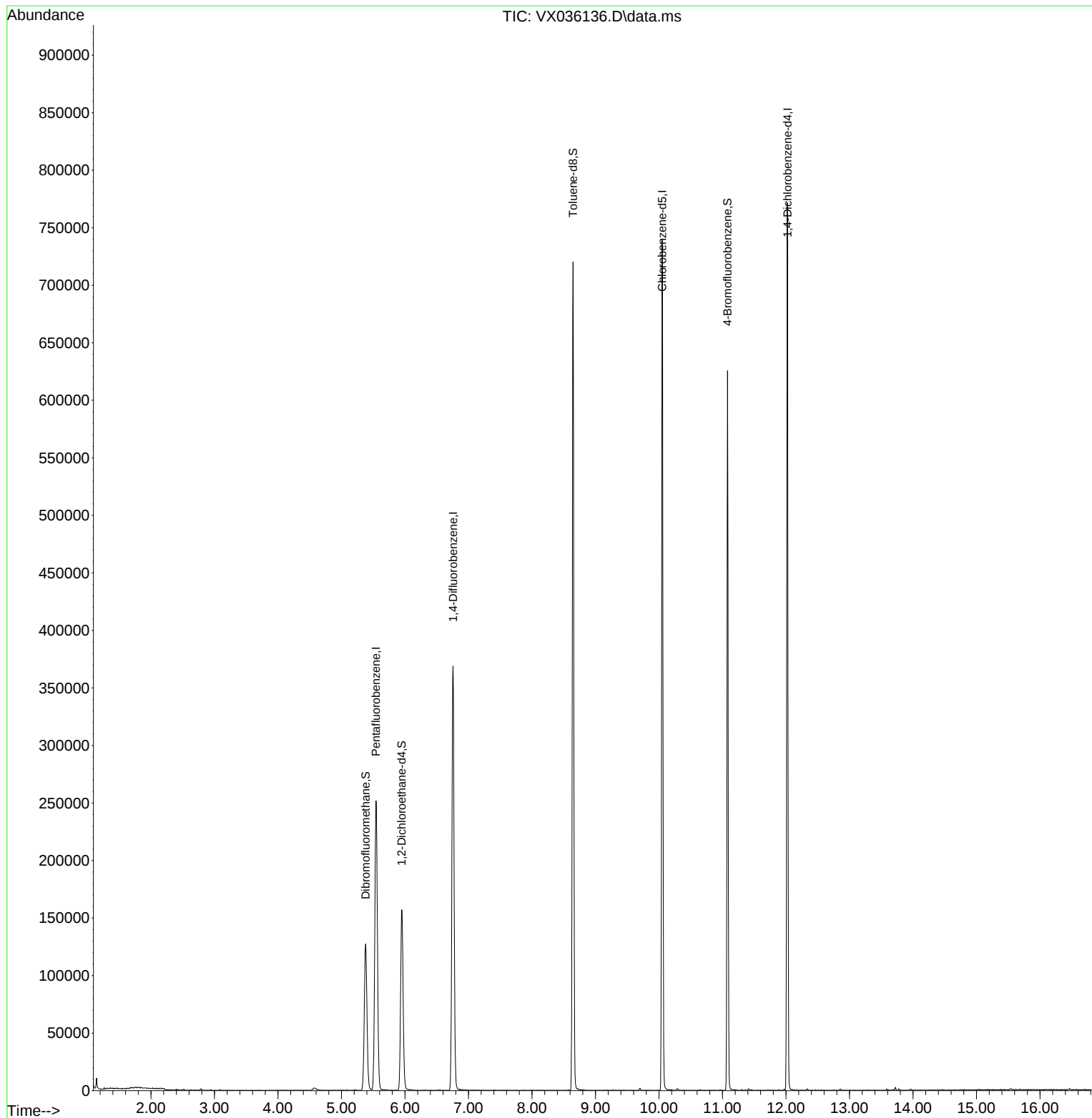
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

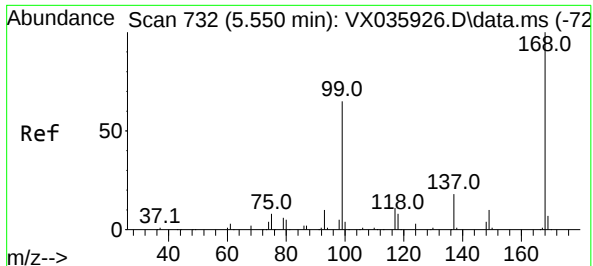
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VIBLK

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X053123W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 31 12:50:30 2023  
Response via : Initial Calibration

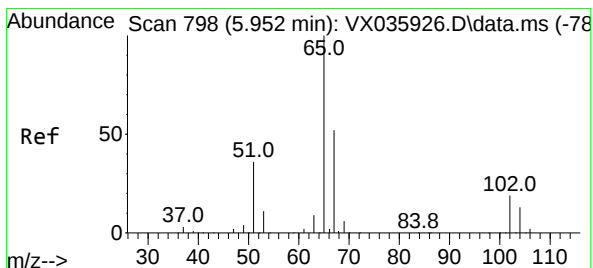
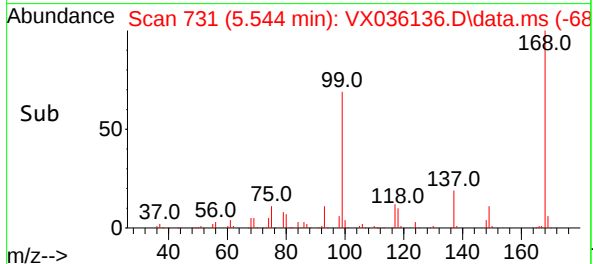
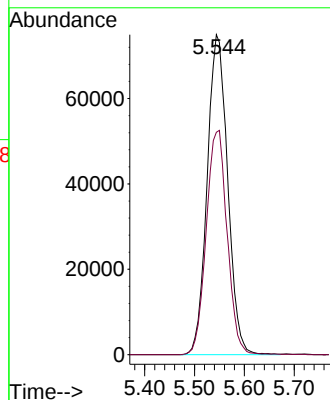
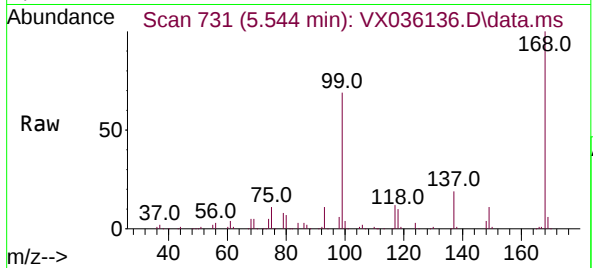




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: VX036136.D  
Acq: 13 Jun 2023 12:08

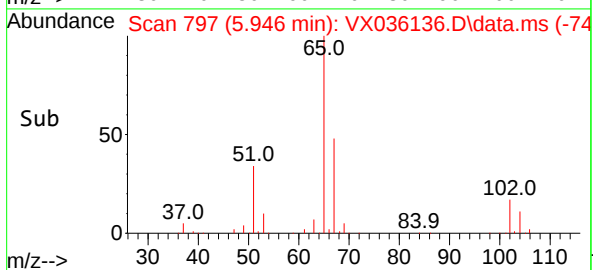
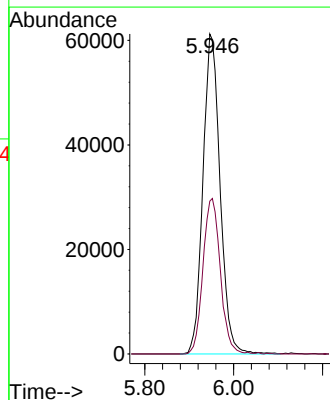
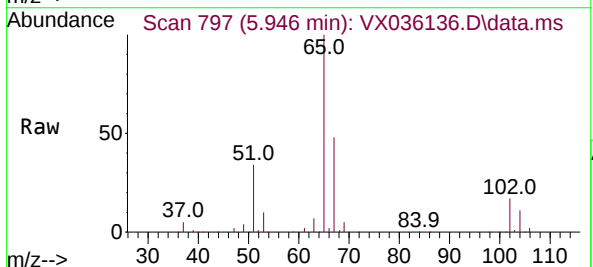
Instrument :  
MSVOA\_X  
ClientSampleId :  
VIBLK

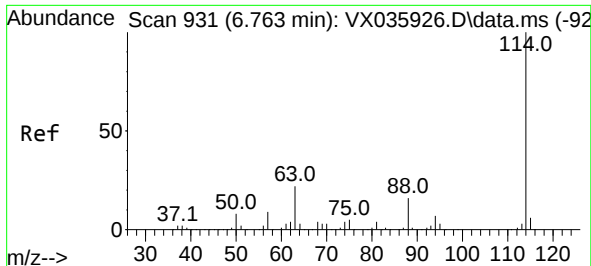
Tgt Ion:168 Resp: 213918  
Ion Ratio Lower Upper  
168 100  
99 69.5 57.0 85.6



#33  
1,2-Dichloroethane-d4  
Concen: 47.333 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: VX036136.D  
Acq: 13 Jun 2023 12:08

Tgt Ion: 65 Resp: 164423  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 99.6

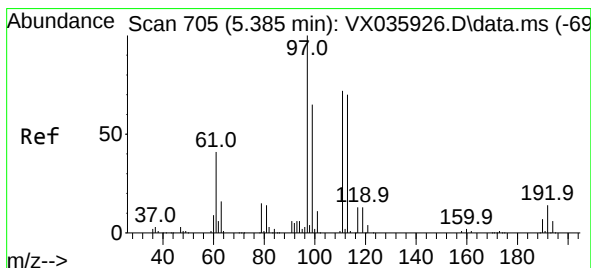
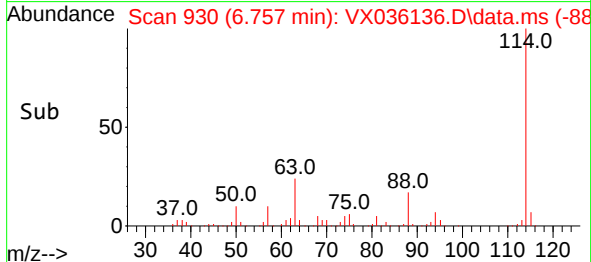
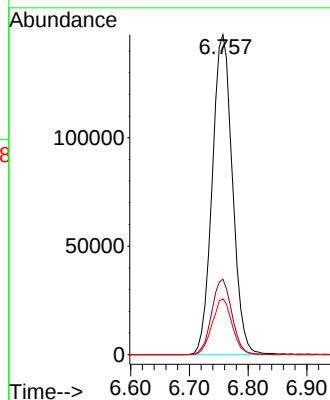
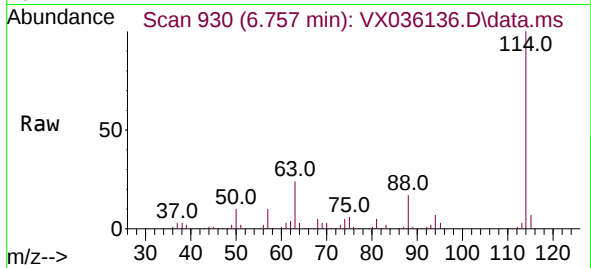




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX036136.D  
Acq: 13 Jun 2023 12:08

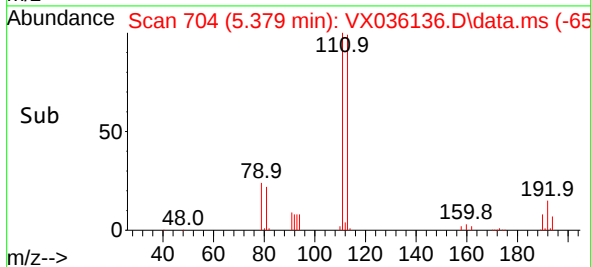
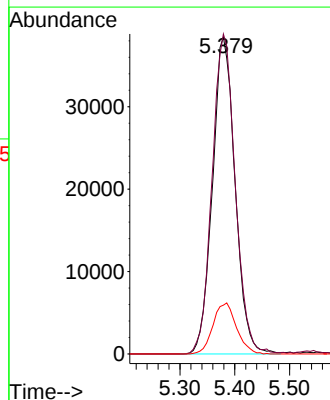
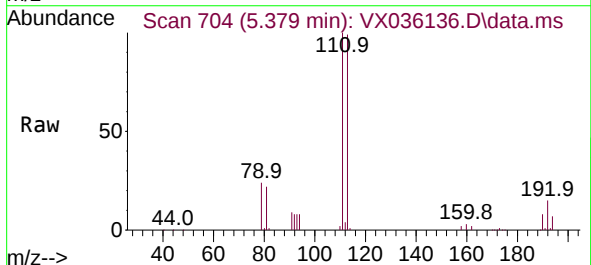
Instrument :  
MSVOA\_X  
ClientSampleId :  
VIBLK

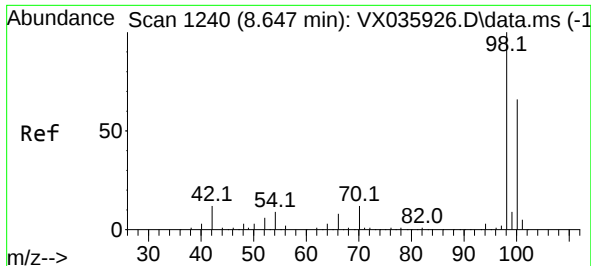
Tgt Ion:114 Resp: 352423  
Ion Ratio Lower Upper  
114 100  
63 23.6 0.0 46.0  
88 17.5 0.0 35.2



#35  
Dibromofluoromethane  
Concen: 46.531 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX036136.D  
Acq: 13 Jun 2023 12:08

Tgt Ion:113 Resp: 110297  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.7 122.5  
192 16.7 13.5 20.3





#50

Toluene-d8

Concen: 48.705 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX036136.D

Acq: 13 Jun 2023 12:08

Instrument :

MSVOA\_X

ClientSampleId :

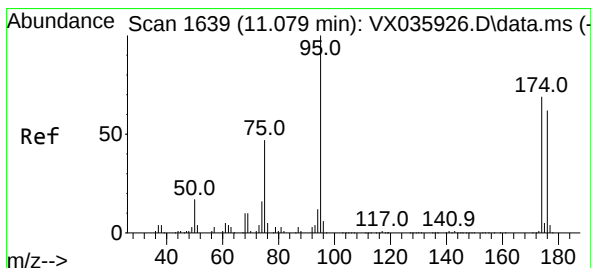
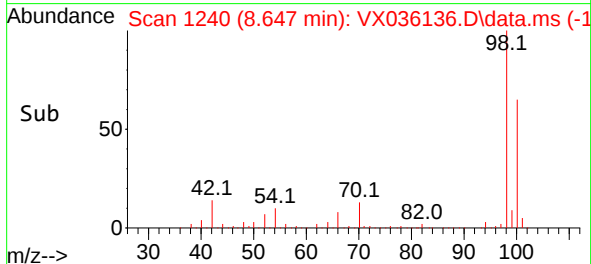
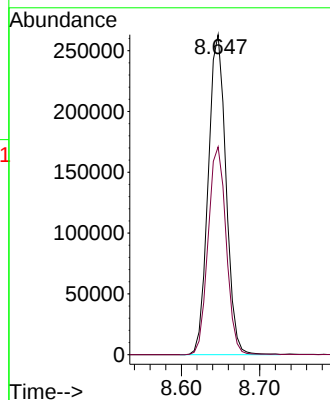
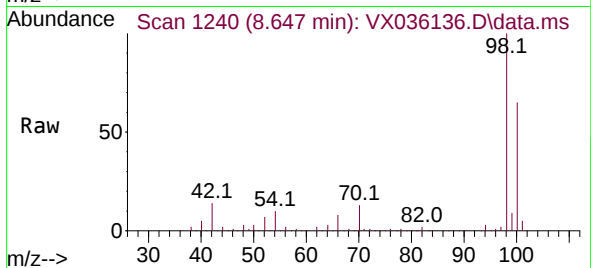
VIBLK

Tgt Ion: 98 Resp: 414342

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 48.284 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036136.D

Acq: 13 Jun 2023 12:08

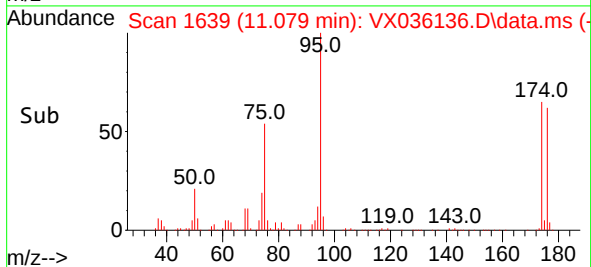
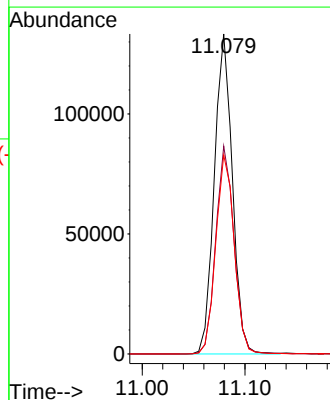
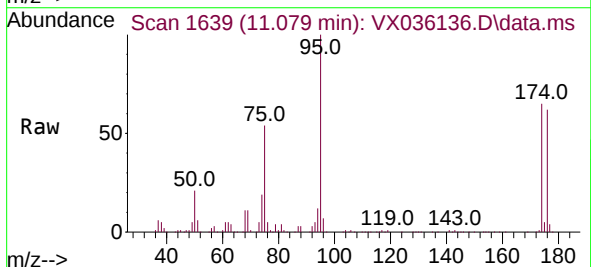
Tgt Ion: 95 Resp: 162149

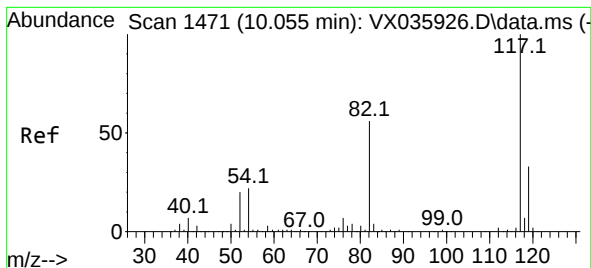
Ion Ratio Lower Upper

95 100

174 65.5 0.0 132.6

176 63.8 0.0 128.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX036136.D

Acq: 13 Jun 2023 12:08

Instrument :

MSVOA\_X

ClientSampleId :

VIBLK

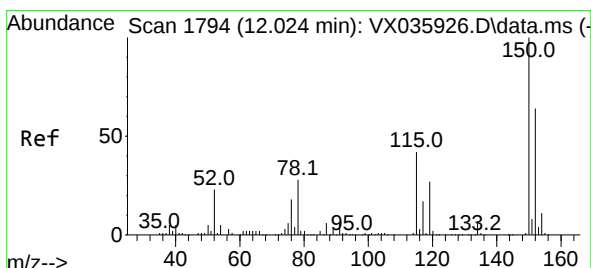
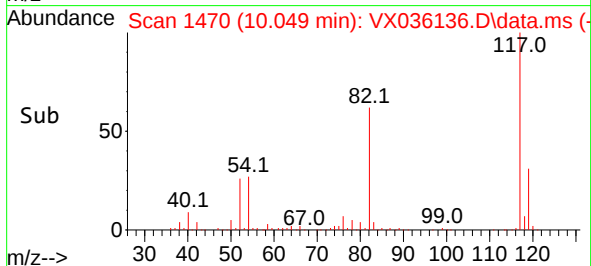
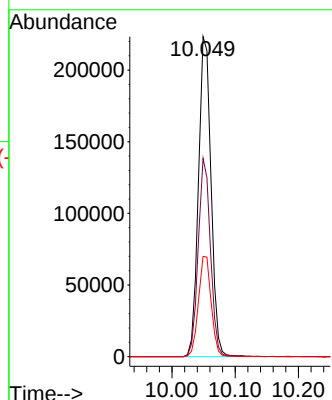
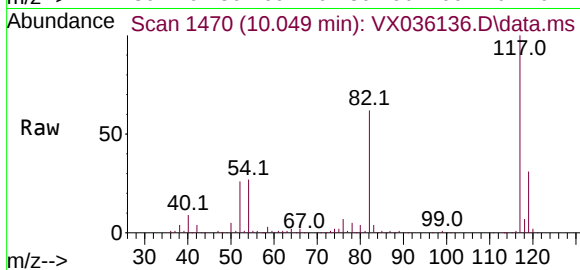
Tgt Ion:117 Resp: 309797

Ion Ratio Lower Upper

117 100

82 62.0 46.6 69.8

119 31.4 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036136.D

Acq: 13 Jun 2023 12:08

Tgt Ion:152 Resp: 147314

Ion Ratio Lower Upper

152 100

115 65.4 45.5 136.5

150 155.7 0.0 345.2

