

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102425\  
 Data File : VX048349.D  
 Acq On : 24 Oct 2025 13:07  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Oct 24 23:04:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102025W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 20 14:13:59 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 148473   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 292353   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 292509   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 142629   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 116641   | 56.032   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 112.060% |
| 35) Dibromofluoromethane    | 5.373  | 113   | 79776    | 39.970   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 79.940%  |
| 50) Toluene-d8              | 8.635  | 98    | 336954   | 48.165   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.340%  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 138430   | 52.014   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 104.020% |

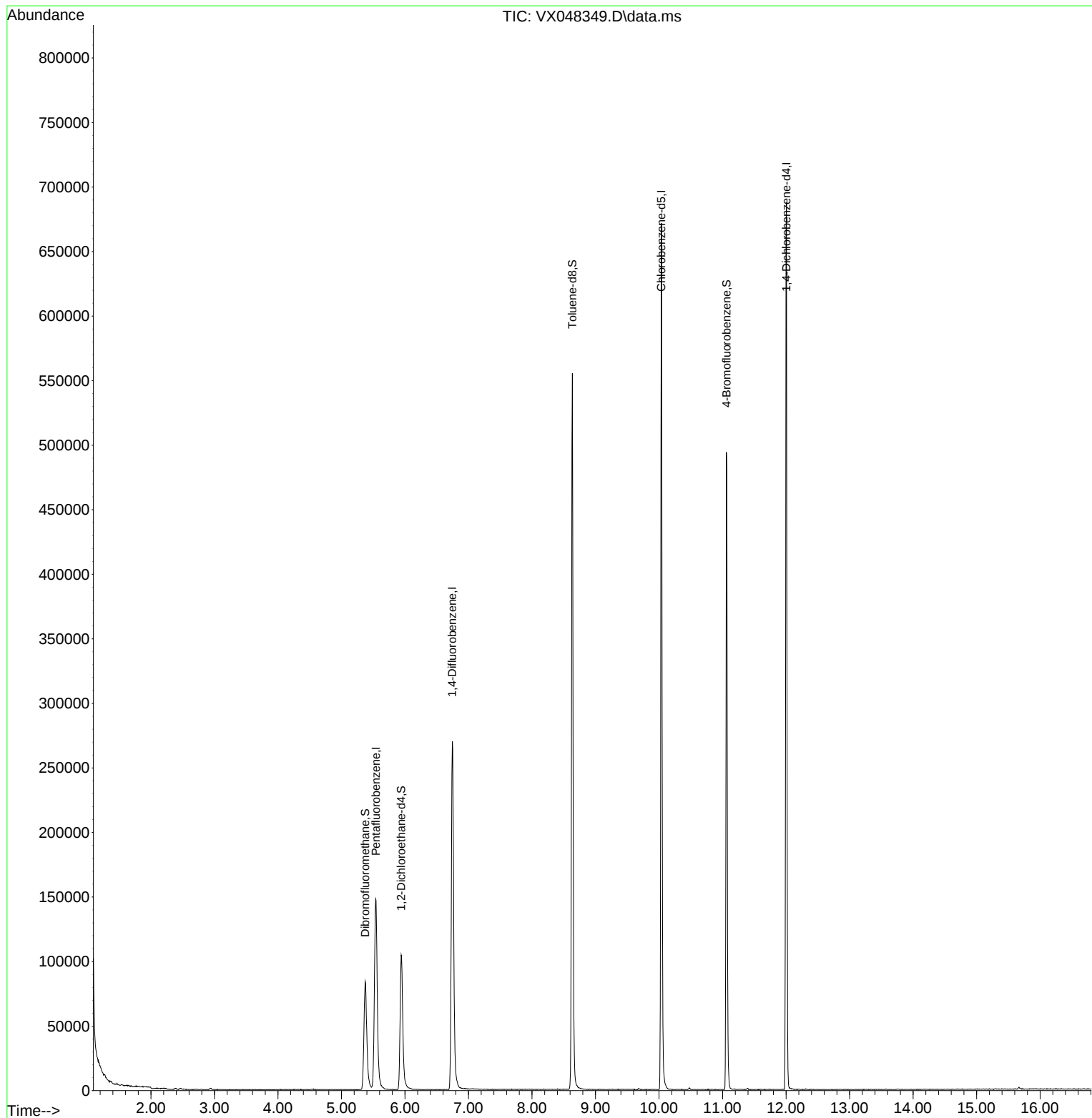
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

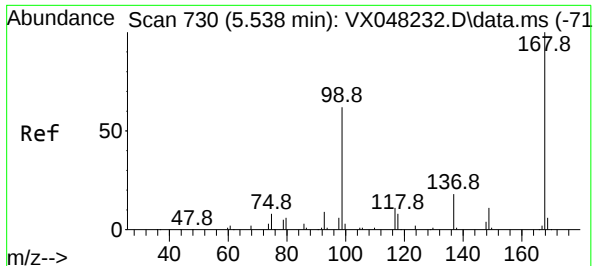
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Oct 20 14:13:59 2025  
Response via : Initial Calibration

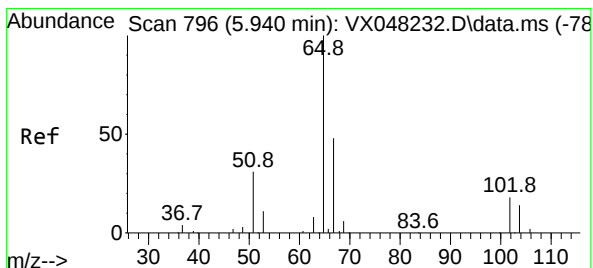
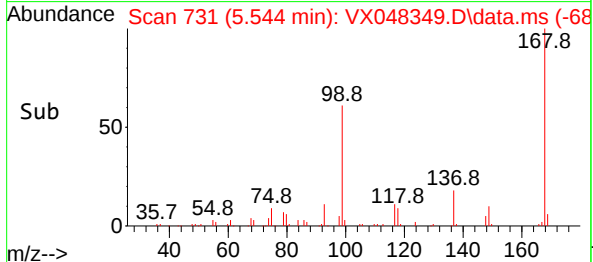
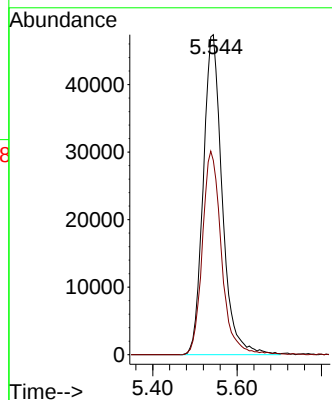
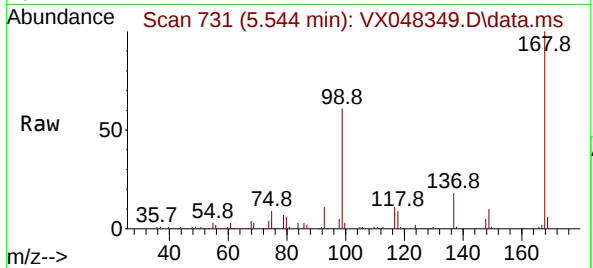




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: VX048349.D  
Acq: 24 Oct 2025 13:07

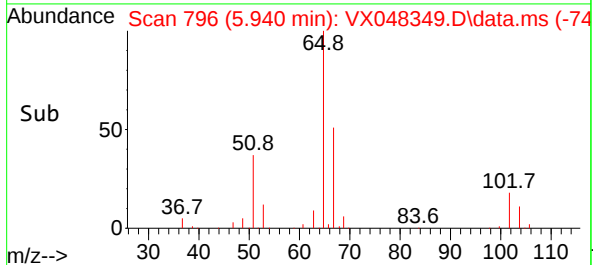
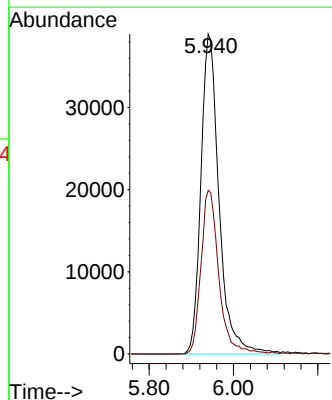
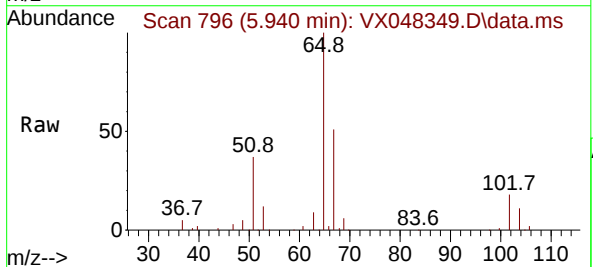
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

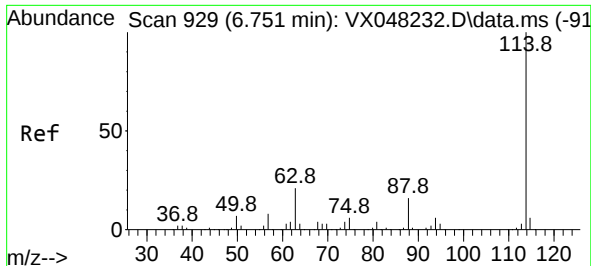
Tgt Ion:168 Resp: 148473  
Ion Ratio Lower Upper  
168 100  
99 60.7 46.4 69.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.032 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048349.D  
Acq: 24 Oct 2025 13:07

Tgt Ion: 65 Resp: 116641  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048349.D

Acq: 24 Oct 2025 13:07

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

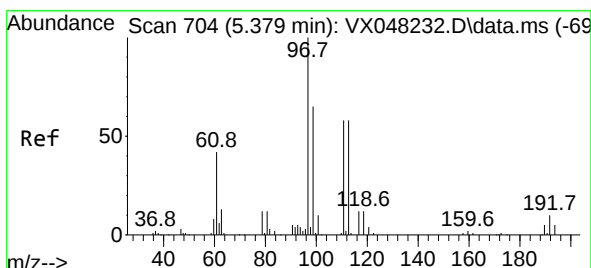
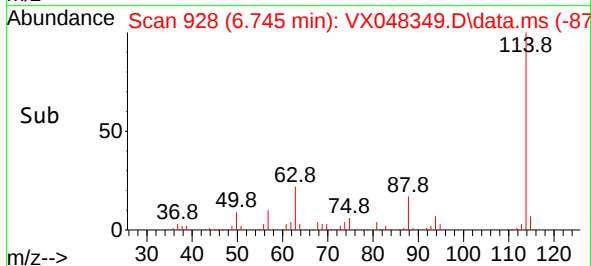
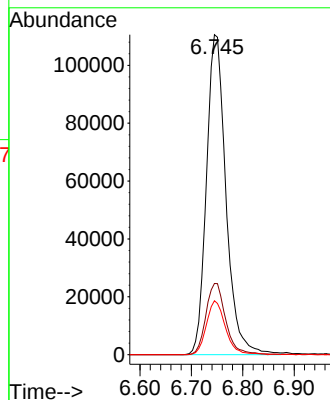
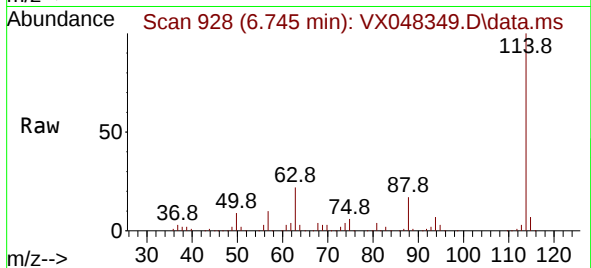
Tgt Ion:114 Resp: 292353

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 16.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 39.970 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048349.D

Acq: 24 Oct 2025 13:07

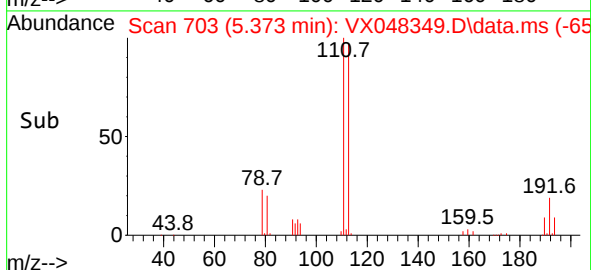
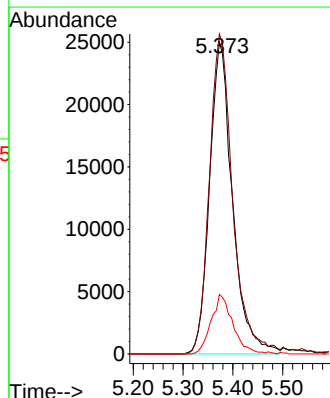
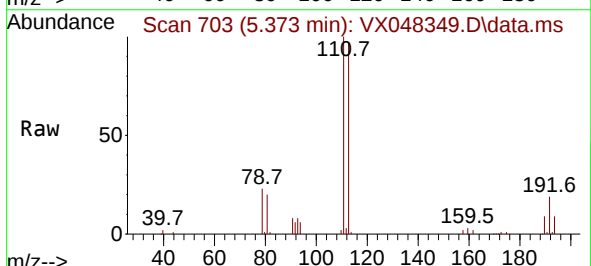
Tgt Ion:113 Resp: 79776

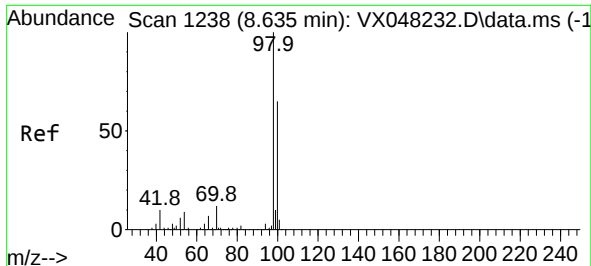
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 18.0 15.1 22.7

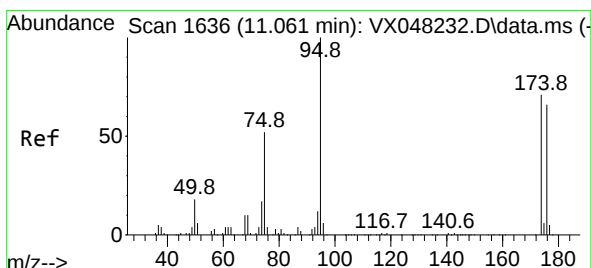
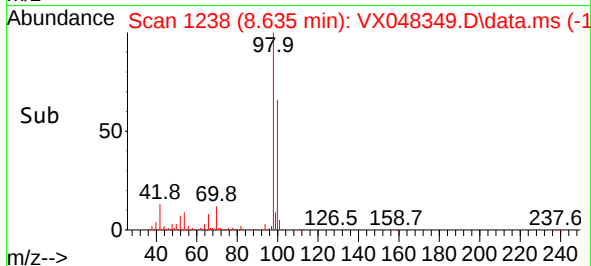
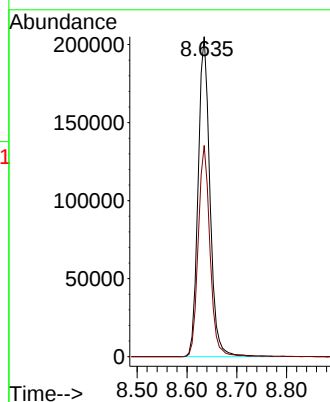
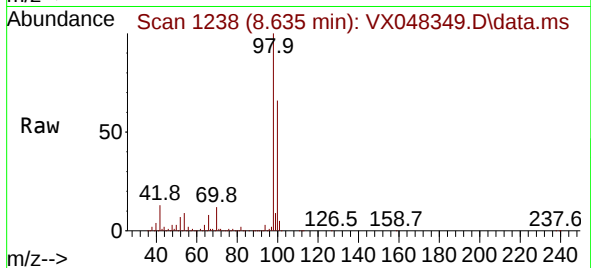




#50  
Toluene-d8  
Concen: 48.165 ug/l  
RT: 8.635 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048349.D  
Acq: 24 Oct 2025 13:07

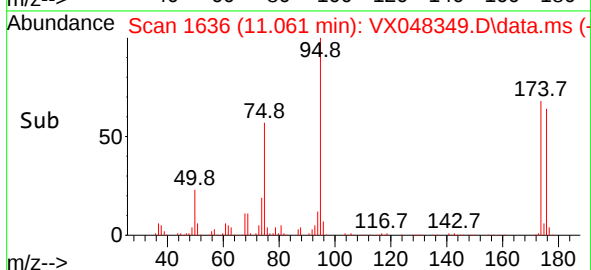
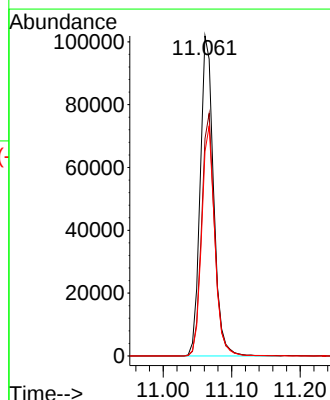
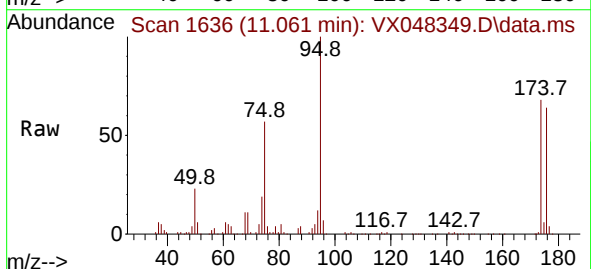
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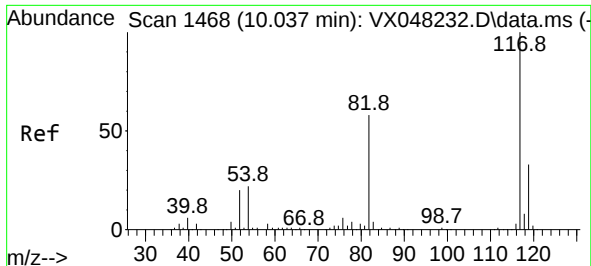
Tgt Ion: 98 Resp: 336954  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 52.014 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048349.D  
Acq: 24 Oct 2025 13:07

Tgt Ion: 95 Resp: 138430  
Ion Ratio Lower Upper  
95 100  
174 74.1 0.0 147.8  
176 70.4 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048349.D

Acq: 24 Oct 2025 13:07

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

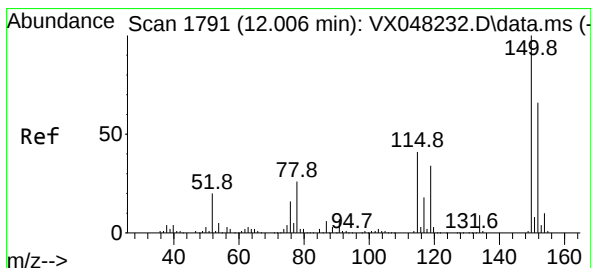
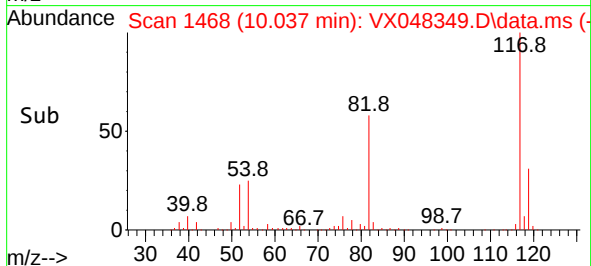
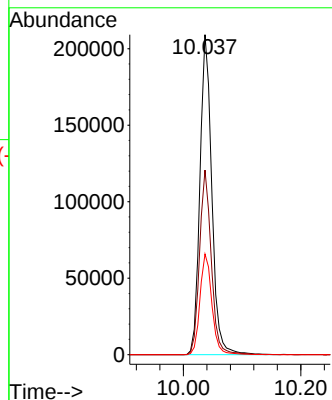
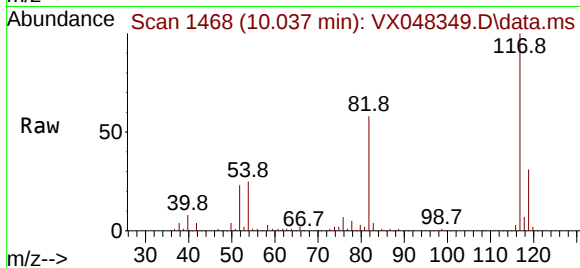
Tgt Ion:117 Resp: 292509

Ion Ratio Lower Upper

117 100

82 57.7 46.5 69.7

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048349.D

Acq: 24 Oct 2025 13:07

Tgt Ion:152 Resp: 142629

Ion Ratio Lower Upper

152 100

115 62.8 43.1 129.4

150 157.6 0.0 353.0

