

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112025\  
 Data File : VX048631.D  
 Acq On : 20 Nov 2025 12:46  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Nov 21 00:31:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110725W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 08 05:08:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.537  | 168  | 174612   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 394197   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 416467   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 214820   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 131401   | 54.006   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 108.020% |
| 35) Dibromofluoromethane    | 5.373  | 113   | 112888   | 37.837   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 75.680%  |
| 50) Toluene-d8              | 8.634  | 98    | 460374   | 49.475   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 98.960%  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 190136   | 54.830   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 109.660% |

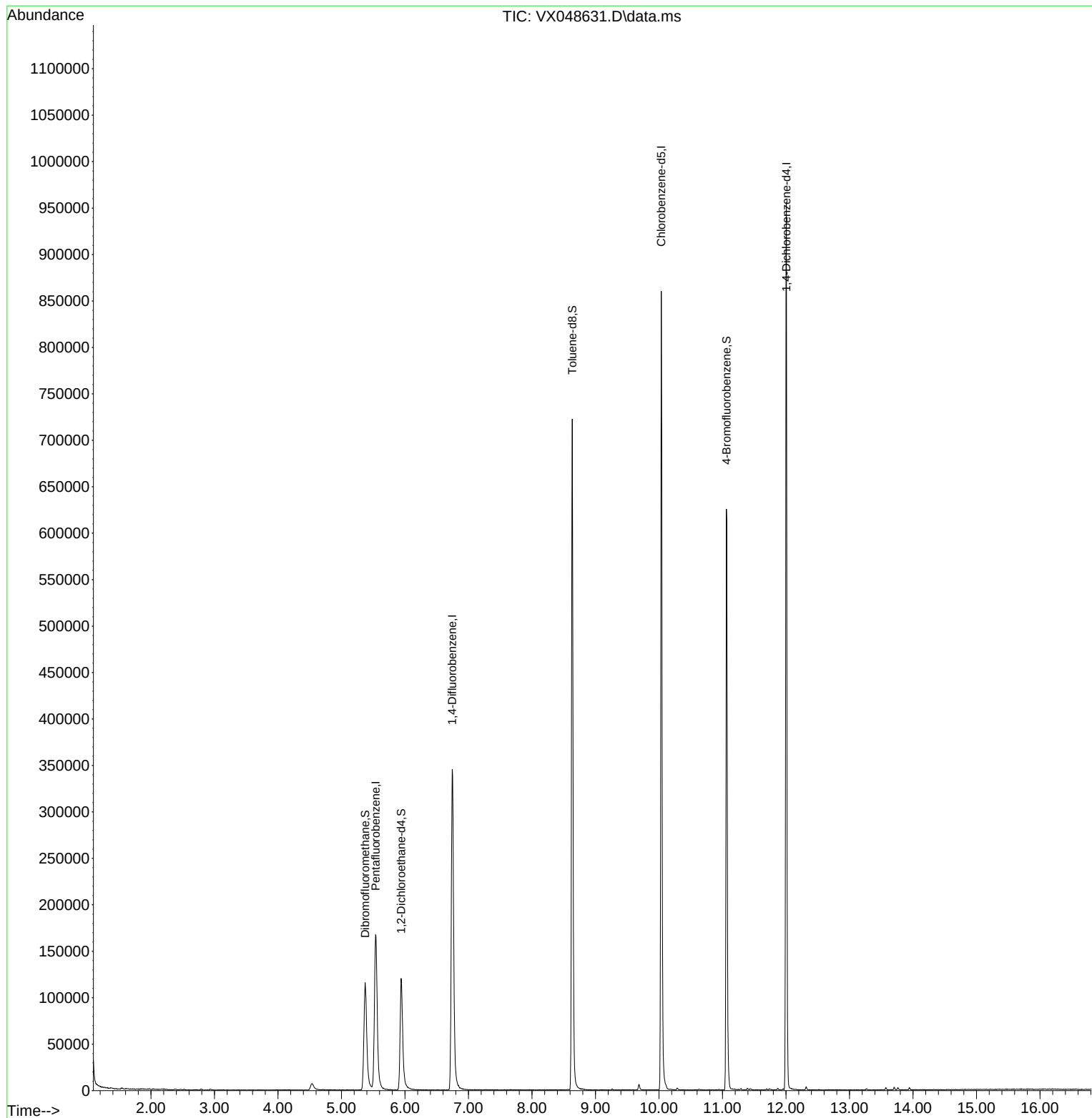
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

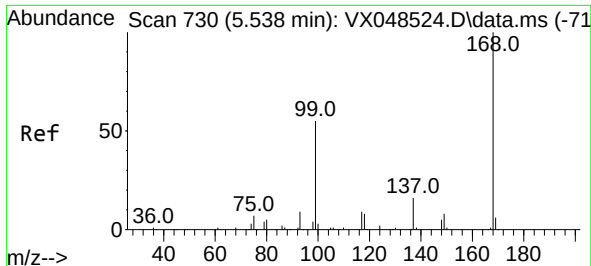
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
IBLK

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Quant Title : SW846 8260  
QLast Update : Sat Nov 08 05:08:11 2025  
Response via : Initial Calibration

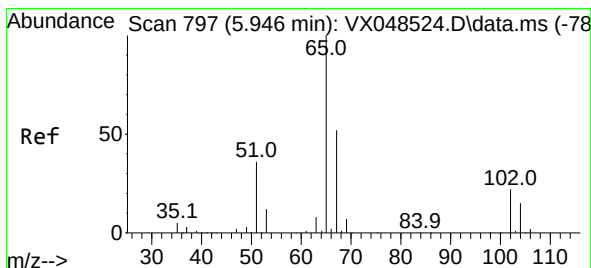
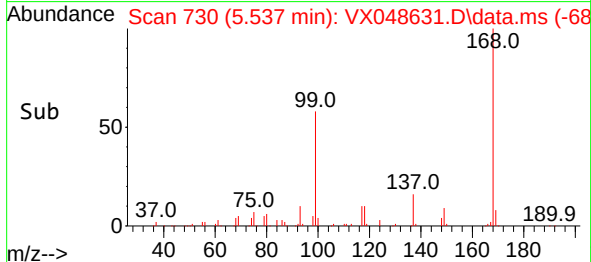
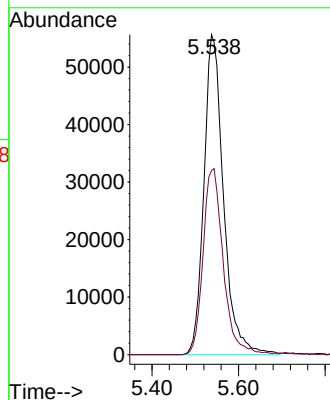
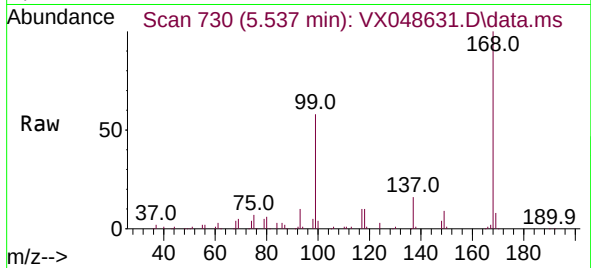




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 731  
Delta R.T. -0.001 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

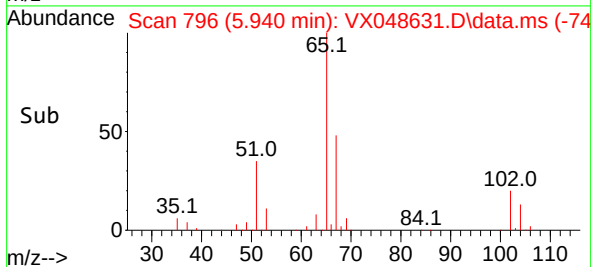
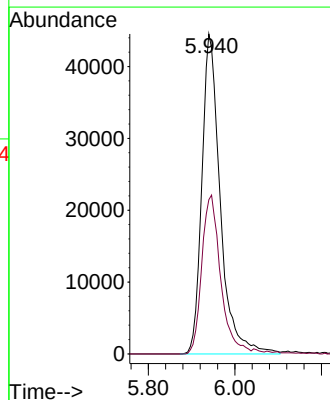
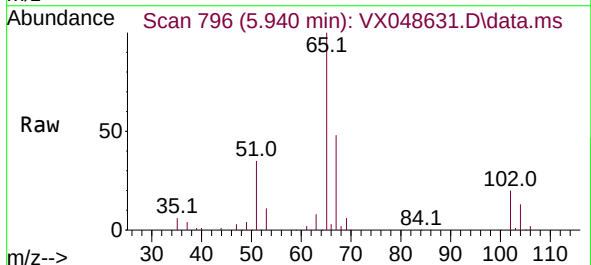
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

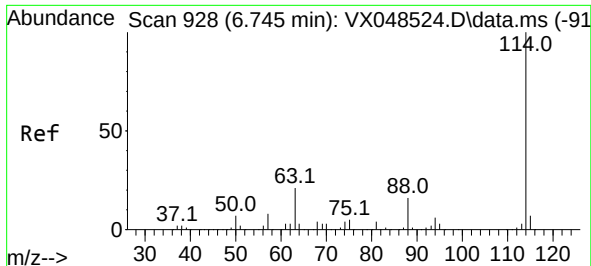
Tgt Ion:168 Resp: 174612  
Ion Ratio Lower Upper  
168 100  
99 57.5 45.2 67.8



#33  
1,2-Dichloroethane-d4  
Concen: 54.006 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.006 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

Tgt Ion: 65 Resp: 131401  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 106.2

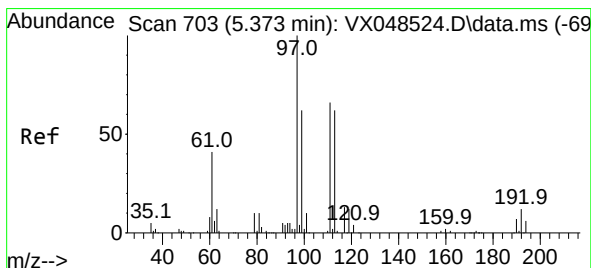
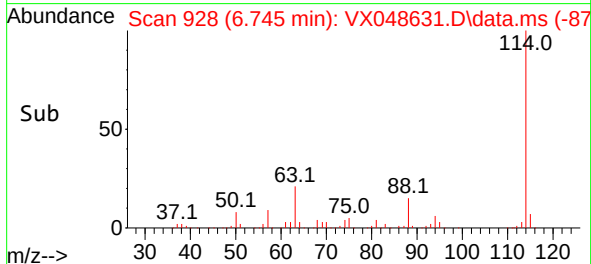
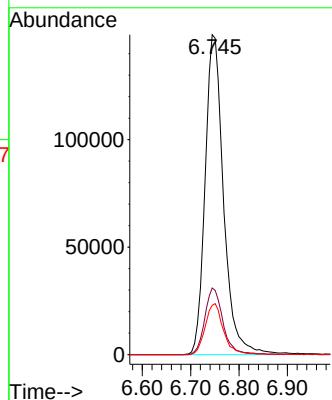
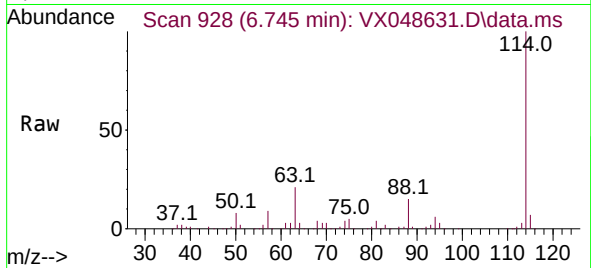




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

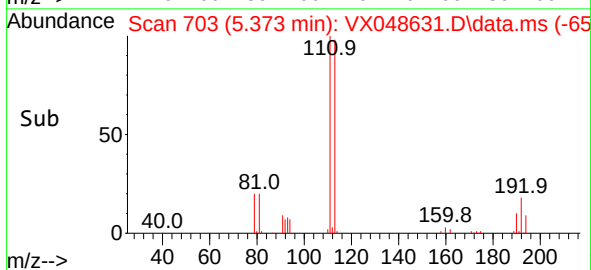
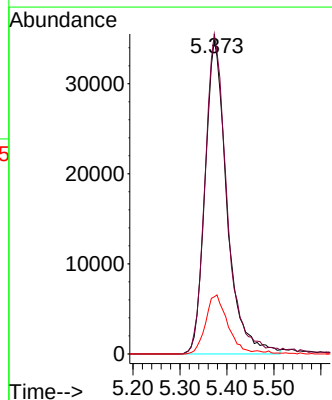
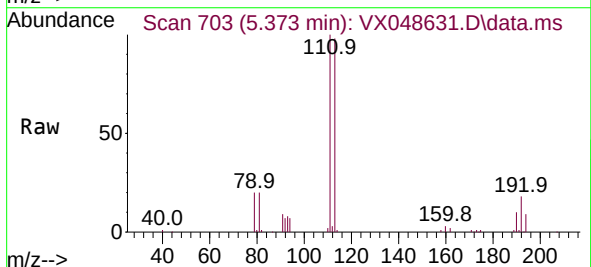
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

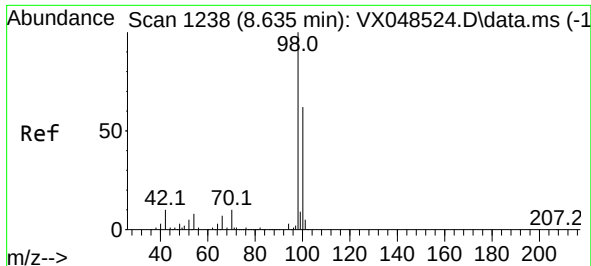
Tgt Ion:114 Resp: 394197  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 41.2  
88 15.4 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 37.837 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

Tgt Ion:113 Resp: 112888  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 18.8 15.8 23.6

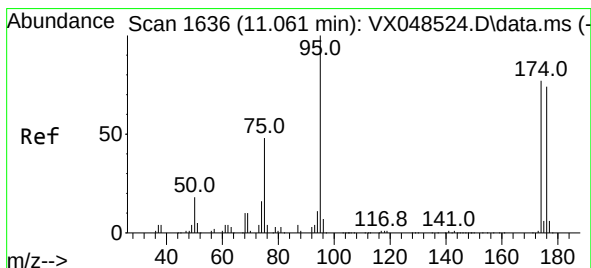
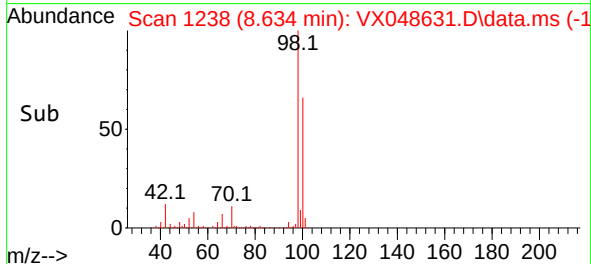
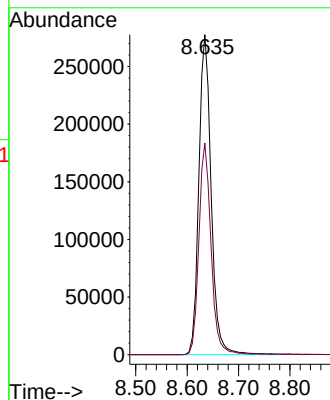
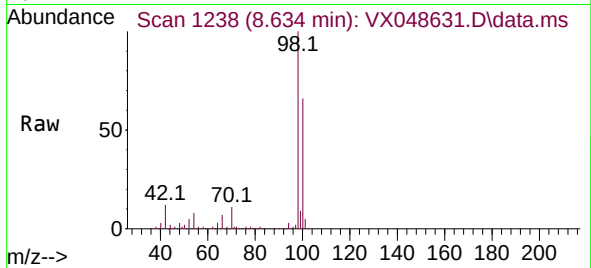




#50  
Toluene-d8  
Concen: 49.475 ug/l  
RT: 8.634 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

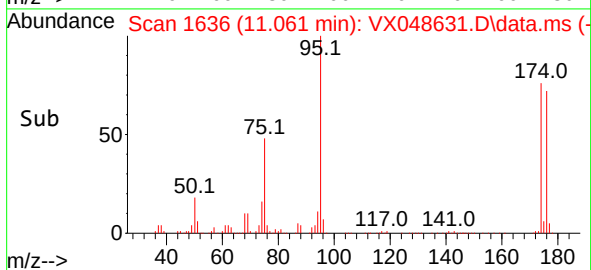
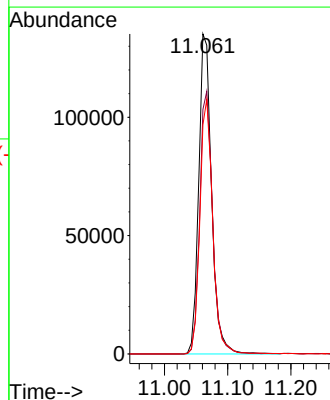
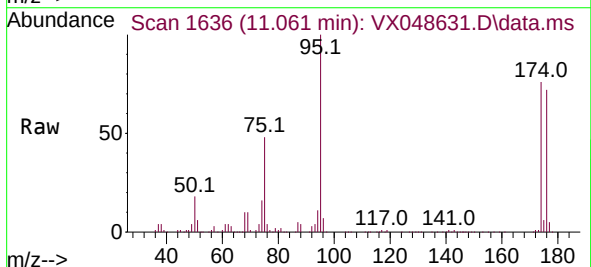
Instrument :  
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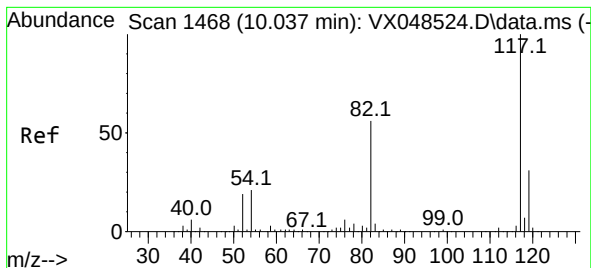
Tgt Ion: 98 Resp: 460374  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.6 80.4



#62  
4-Bromofluorobenzene  
Concen: 54.830 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.000 min  
Lab File: VX048631.D  
Acq: 20 Nov 2025 12:46

Tgt Ion: 95 Resp: 190136  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 161.8  
176 79.1 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048631.D

Acq: 20 Nov 2025 12:46

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

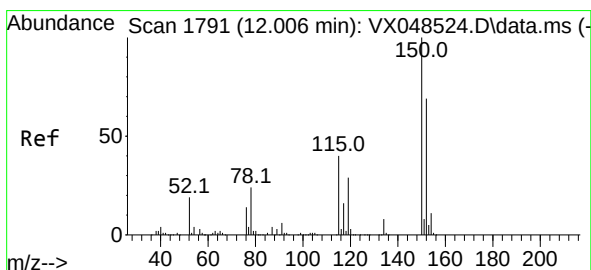
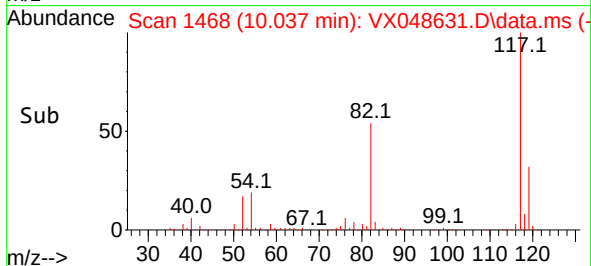
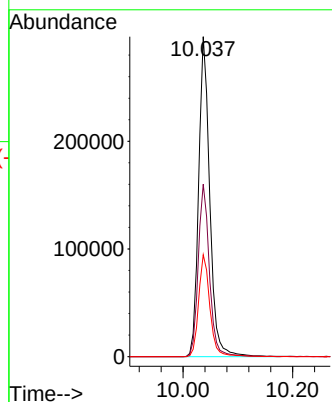
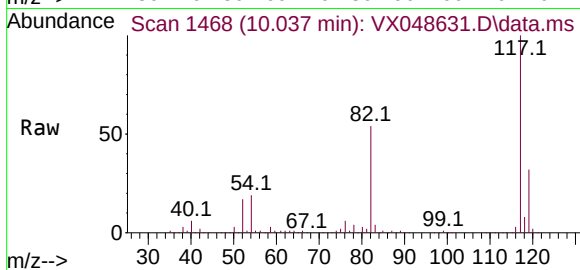
Tgt Ion:117 Resp: 416467

Ion Ratio Lower Upper

117 100

82 53.9 44.4 66.6

119 31.8 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048631.D

Acq: 20 Nov 2025 12:46

Tgt Ion:152 Resp: 214820

Ion Ratio Lower Upper

152 100

115 58.2 39.2 117.6

150 158.5 0.0 347.0

