

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030425\  
 Data File : VY021402.D  
 Acq On : 04 Mar 2025 11:52  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Mar 05 04:06:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 03:21:56 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 161980   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 282720   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 238175   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 83945    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 88334    | 51.596   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.200% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 94372    | 50.782   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.560% |
| 50) Toluene-d8              | 10.109 | 98    | 336795   | 47.865   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.740%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 94177    | 39.347   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 78.700%  |

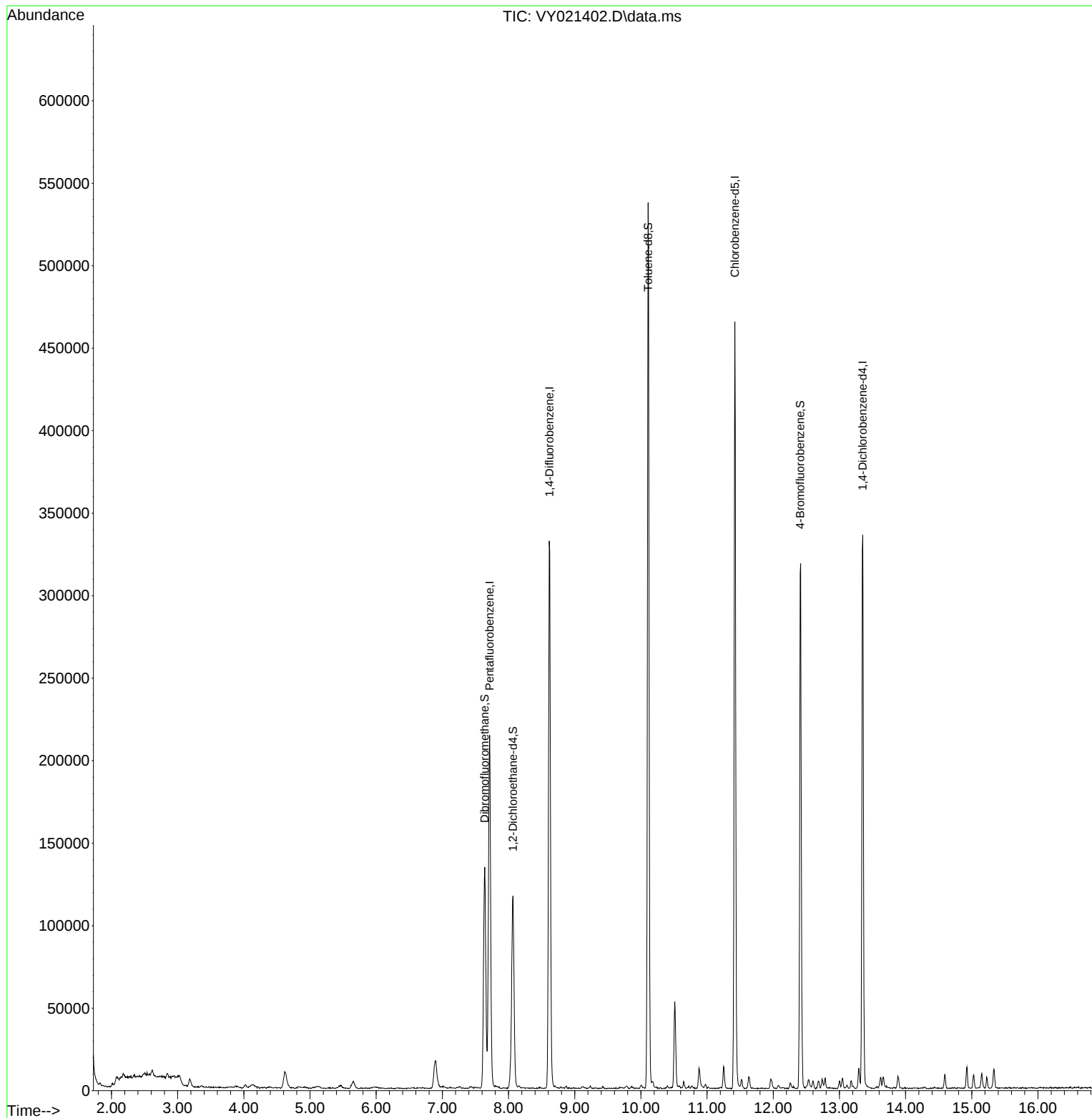
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

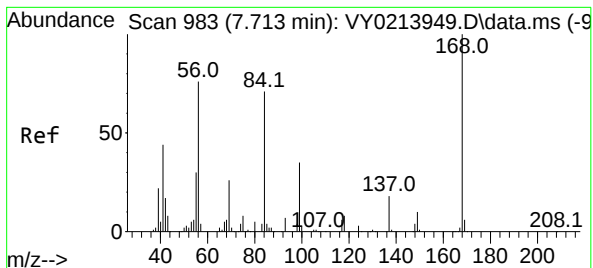
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

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Instrument :

MSVOA\_Y

ClientSampleId :

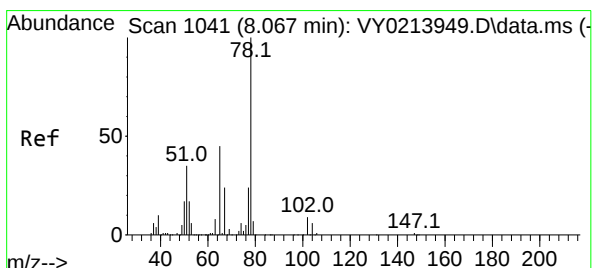
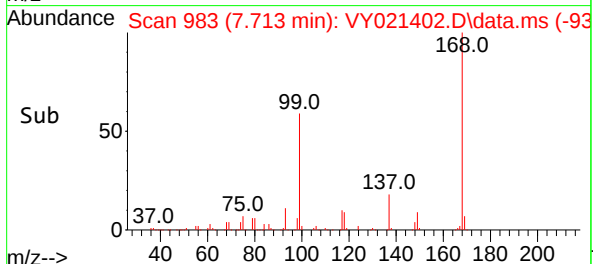
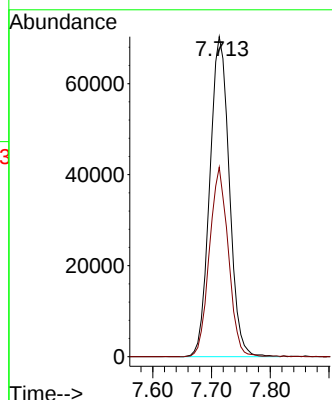
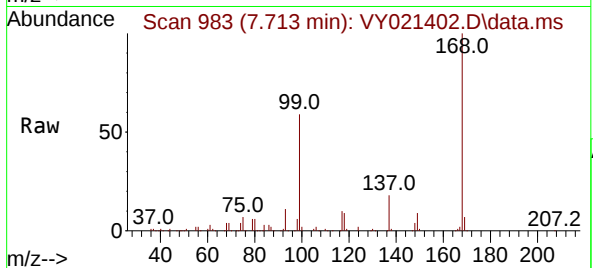
VIBLK

Tgt Ion:168 Resp: 161980

Ion Ratio Lower Upper

168 100

99 59.2 46.0 69.0



#33

1,2-Dichloroethane-d4

Concen: 51.596 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY021402.D

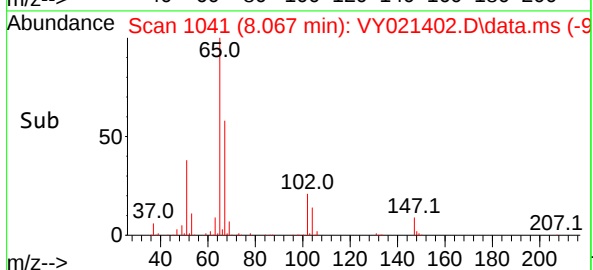
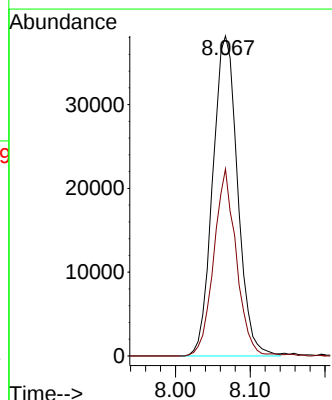
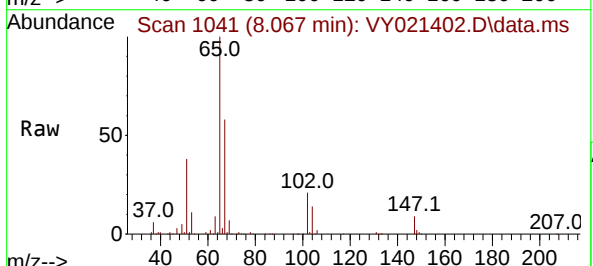
Acq: 04 Mar 2025 11:52

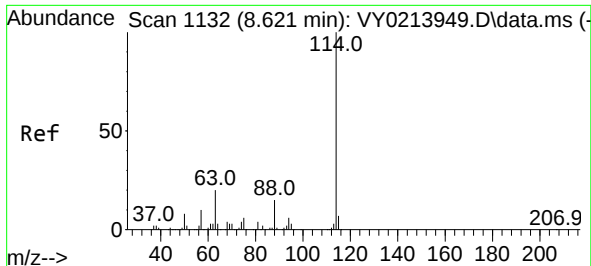
Tgt Ion: 65 Resp: 88334

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021402.D

Acq: 04 Mar 2025 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

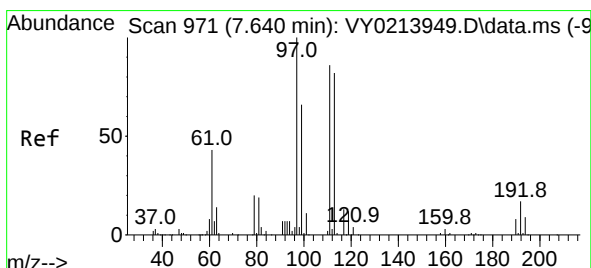
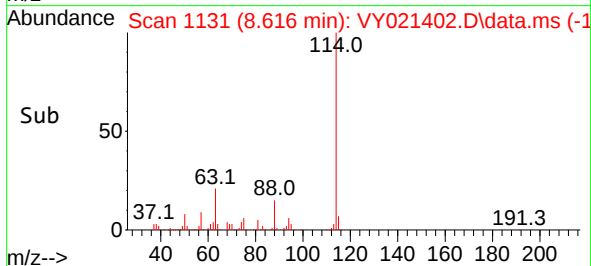
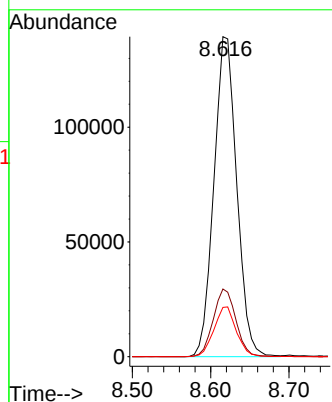
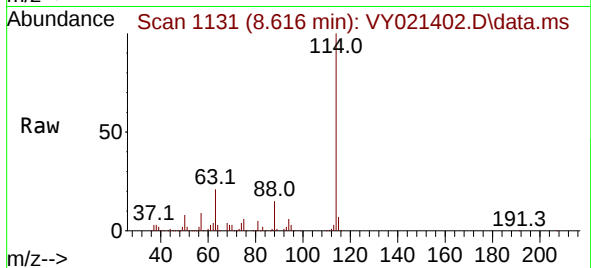
Tgt Ion:114 Resp: 282720

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.782 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY021402.D

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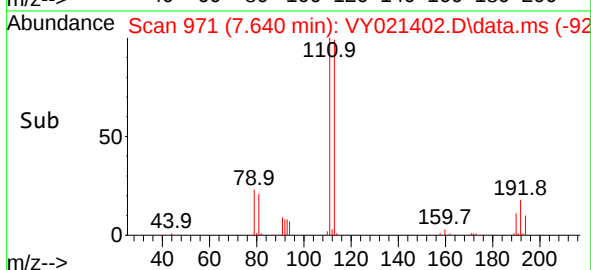
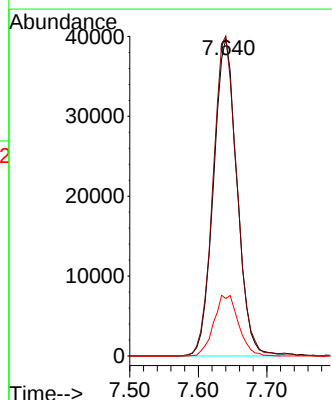
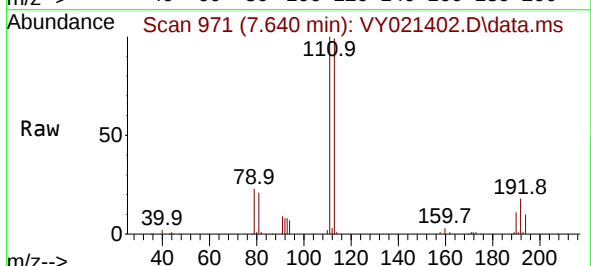
Tgt Ion:113 Resp: 94372

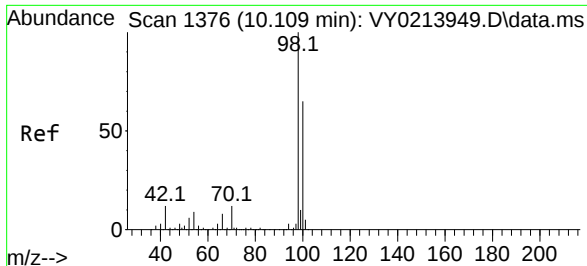
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 20.1 15.9 23.9

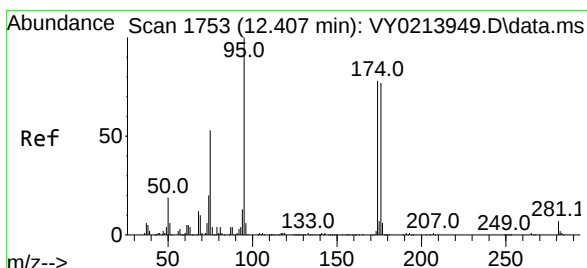
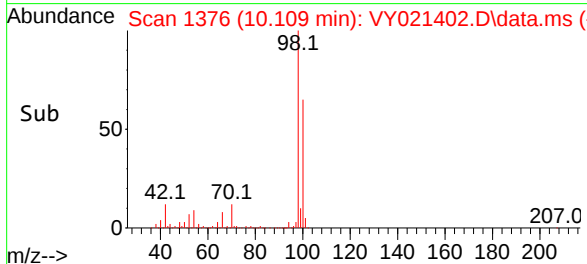
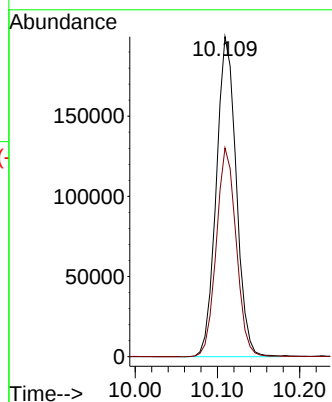
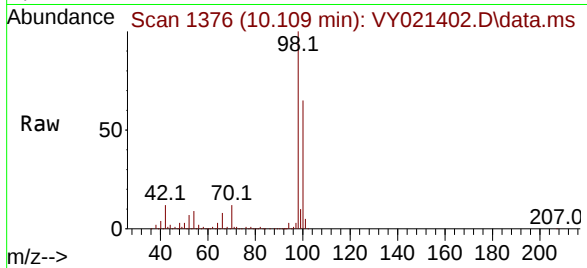




#50  
Toluene-d8  
Concen: 47.865 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021402.D  
Acq: 04 Mar 2025 11:52

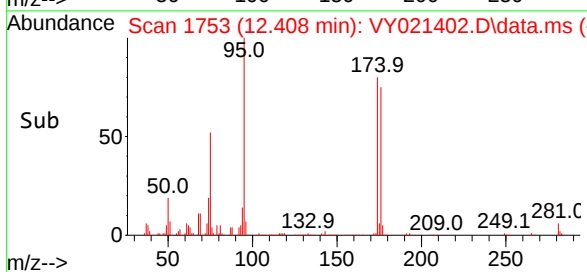
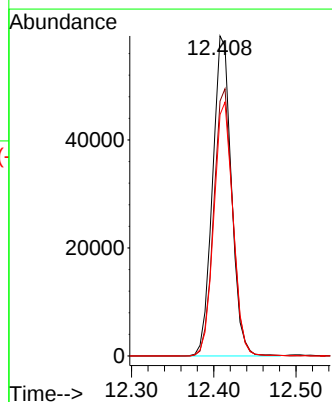
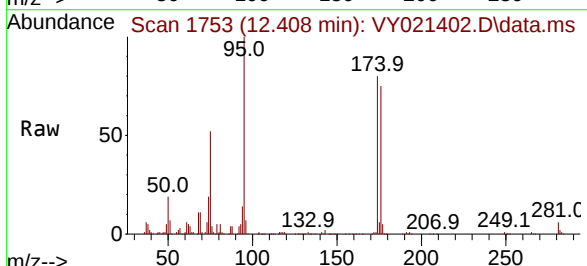
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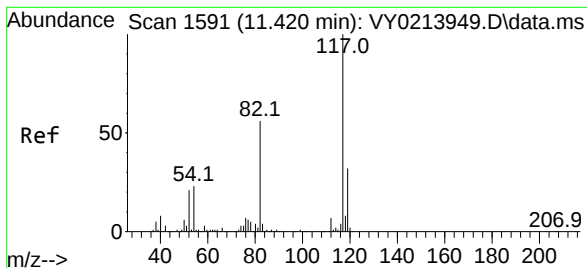
Tgt Ion: 98 Resp: 336795  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 39.347 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021402.D  
Acq: 04 Mar 2025 11:52

Tgt Ion: 95 Resp: 94177  
Ion Ratio Lower Upper  
95 100  
174 84.1 0.0 165.0  
176 80.7 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021402.D

Acq: 04 Mar 2025 11:52

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

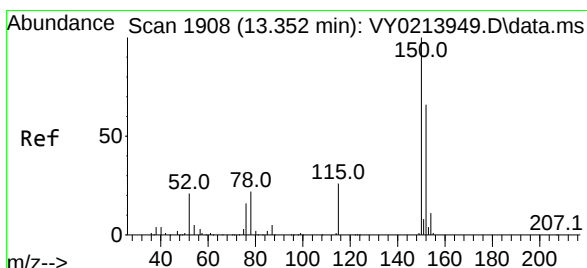
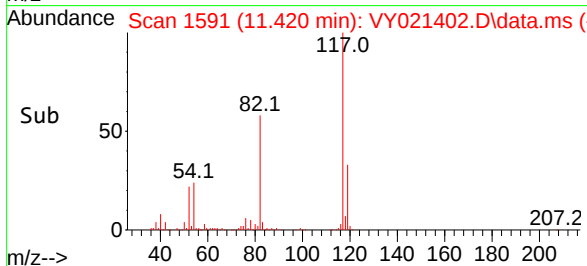
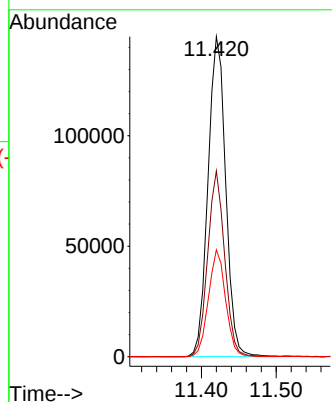
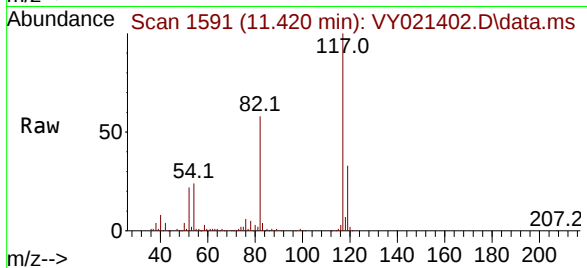
Tgt Ion:117 Resp: 238175

Ion Ratio Lower Upper

117 100

82 58.0 44.6 67.0

119 33.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021402.D

Acq: 04 Mar 2025 11:52

Tgt Ion:152 Resp: 83945

Ion Ratio Lower Upper

152 100

115 58.9 29.0 87.0

150 160.1 0.0 347.2

