

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082025\  
 Data File : VY023174.D  
 Acq On : 20 Aug 2025 14:35  
 Operator : SY/MD  
 Sample : Q2892-01  
 Misc : 5.92g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1-FLOOR-NORTH-EAST-CORNER-BACK-A

Quant Time: Aug 21 01:39:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 490467   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 929671   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 806534   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 285220   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 273887   | 58.592   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.180% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 298245   | 53.614   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.220% |
| 50) Toluene-d8              | 10.109 | 98    | 1130025  | 51.999   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 104.000% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 299162   | 42.805   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 85.620%  |

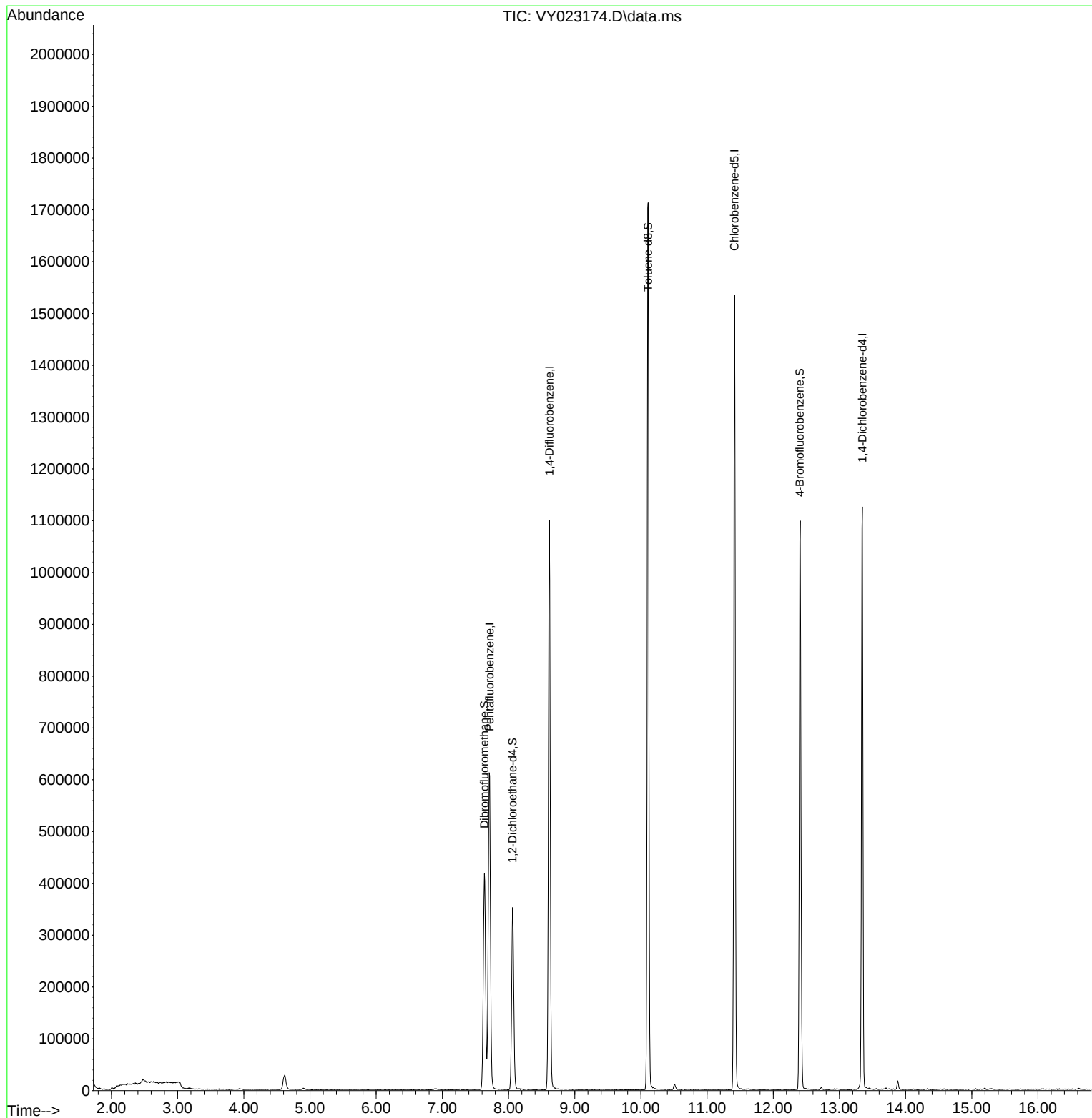
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

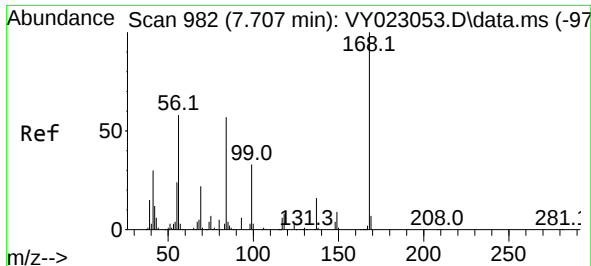
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 13 02:10:11 2025  
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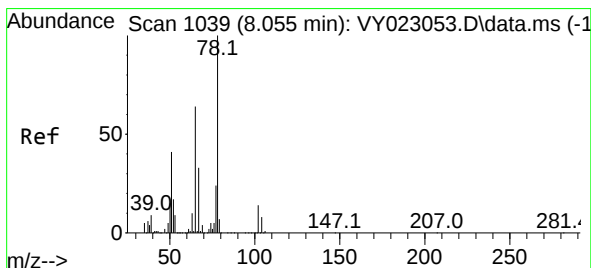
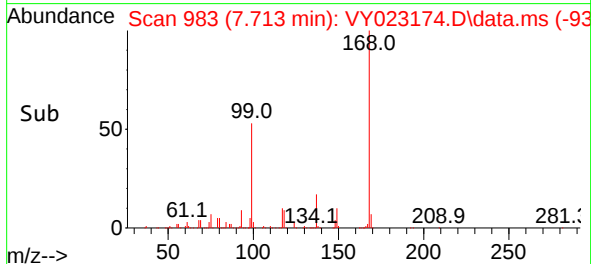
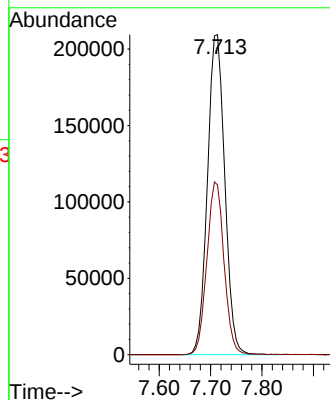
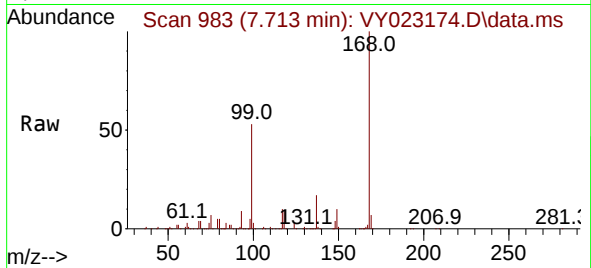




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

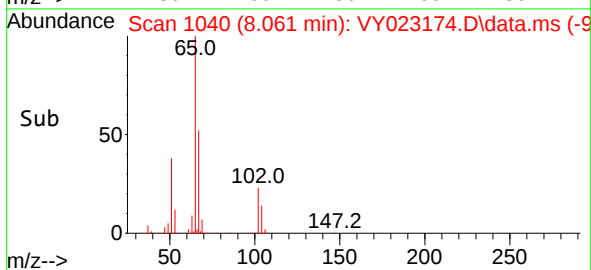
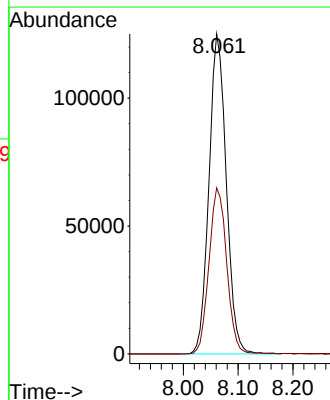
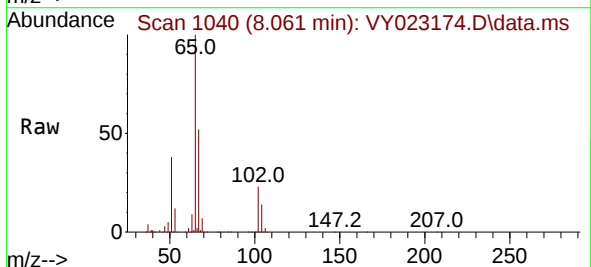
Instrument :  
MSVOA\_Y  
ClientSampleId :  
1-FLOOR-NORTH-EAST-CORNER-BACK-A

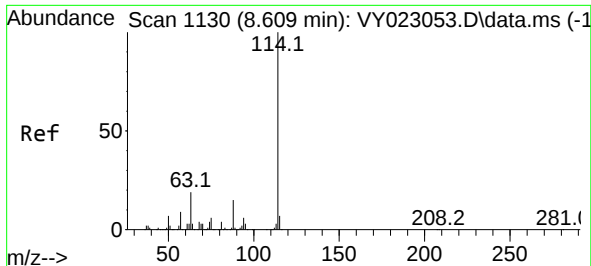
Tgt Ion:168 Resp: 490467  
Ion Ratio Lower Upper  
168 100  
99 53.0 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 58.592 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

Tgt Ion: 65 Resp: 273887  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 106.8

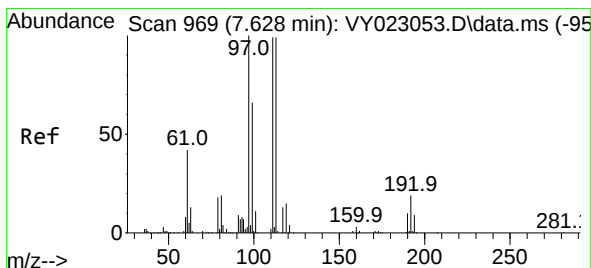
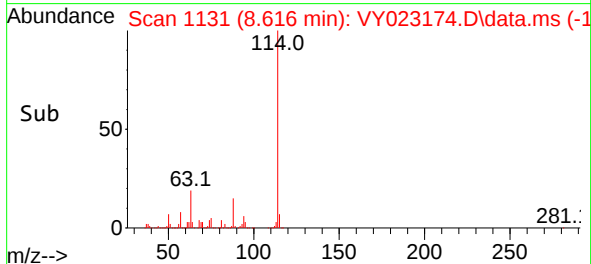
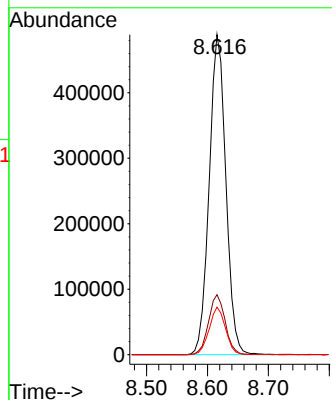
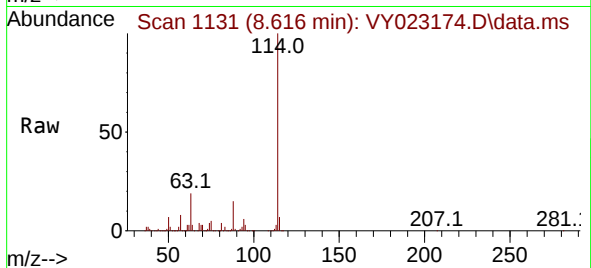




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

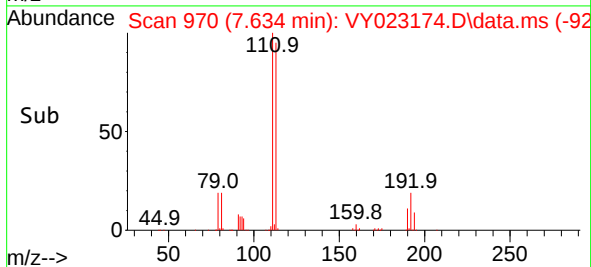
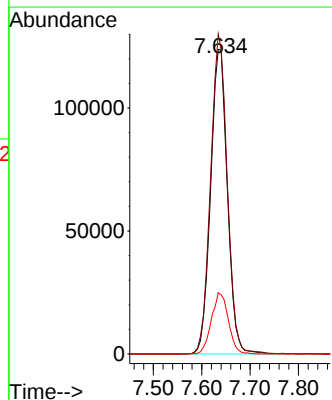
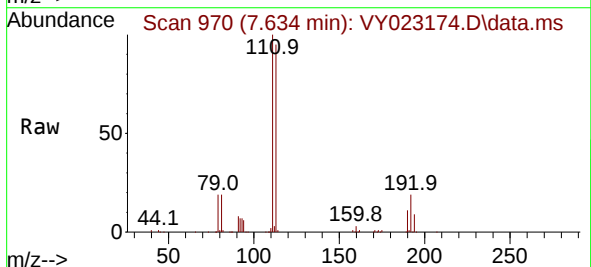
Instrument : MSVOA\_Y  
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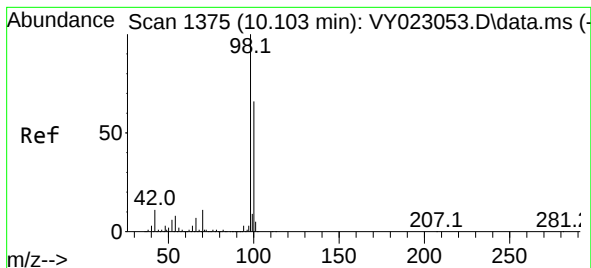
Tgt Ion:114 Resp: 929671  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 38.4  
88 14.8 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 53.614 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

Tgt Ion:113 Resp: 298245  
Ion Ratio Lower Upper  
113 100  
111 104.6 81.1 121.7  
192 20.3 16.2 24.4

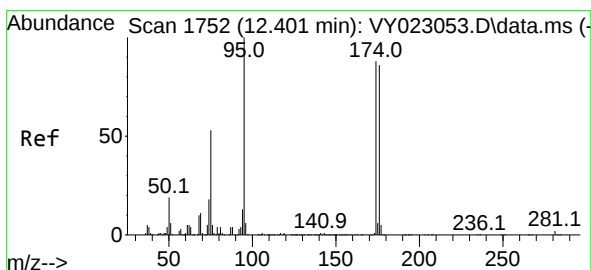
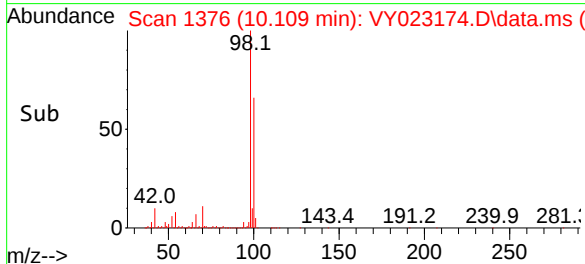
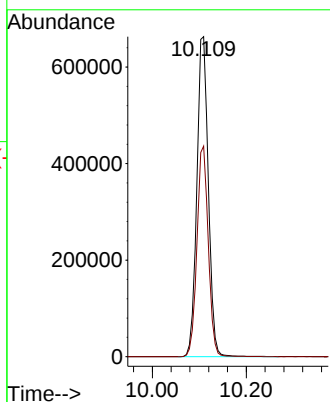
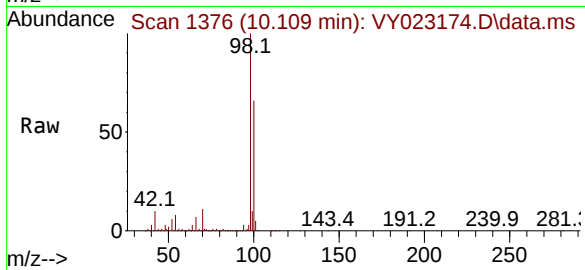




#50  
Toluene-d8  
Concen: 51.999 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

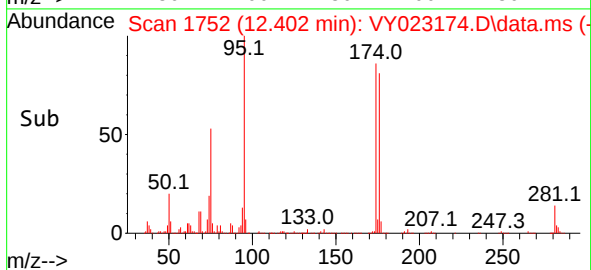
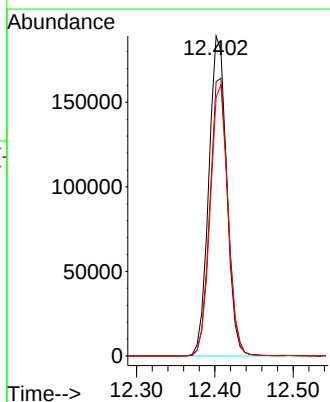
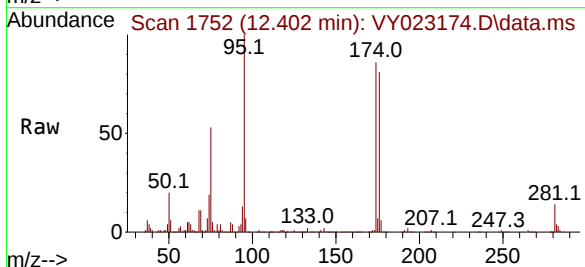
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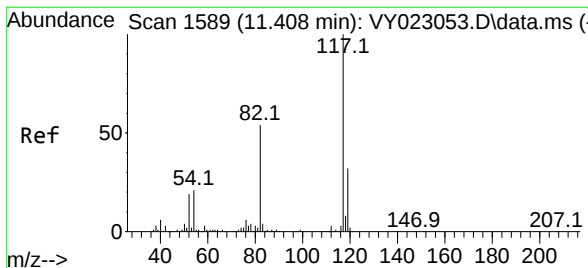
Tgt Ion: 98 Resp: 1130025  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 42.805 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023174.D  
Acq: 20 Aug 2025 14:35

Tgt Ion: 95 Resp: 299162  
Ion Ratio Lower Upper  
95 100  
174 87.9 0.0 171.6  
176 84.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

Instrument :

MSVOA\_Y

ClientSampleId :

1-FLOOR-NORTH-EAST-CORNER-BACK-A

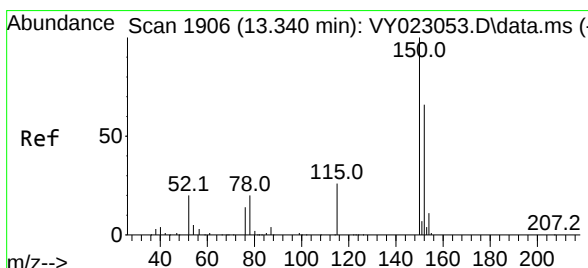
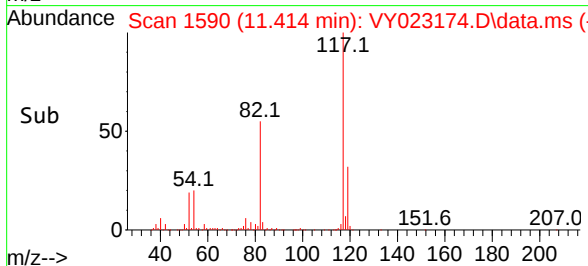
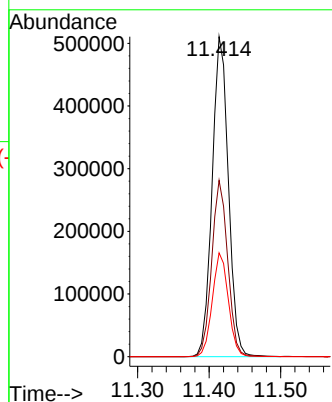
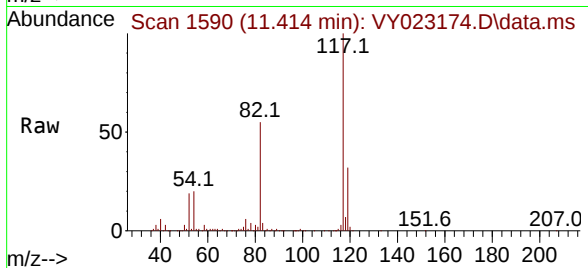
Tgt Ion:117 Resp: 806534

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

Tgt Ion:152 Resp: 285220

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.6

150 158.1 0.0 348.0

