

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081425\  
 Data File : VY023091.D  
 Acq On : 14 Aug 2025 13:37  
 Operator : SY/MD  
 Sample : Q2819-15  
 Misc : 6.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 17M-N

Quant Time: Aug 14 14:48:06 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

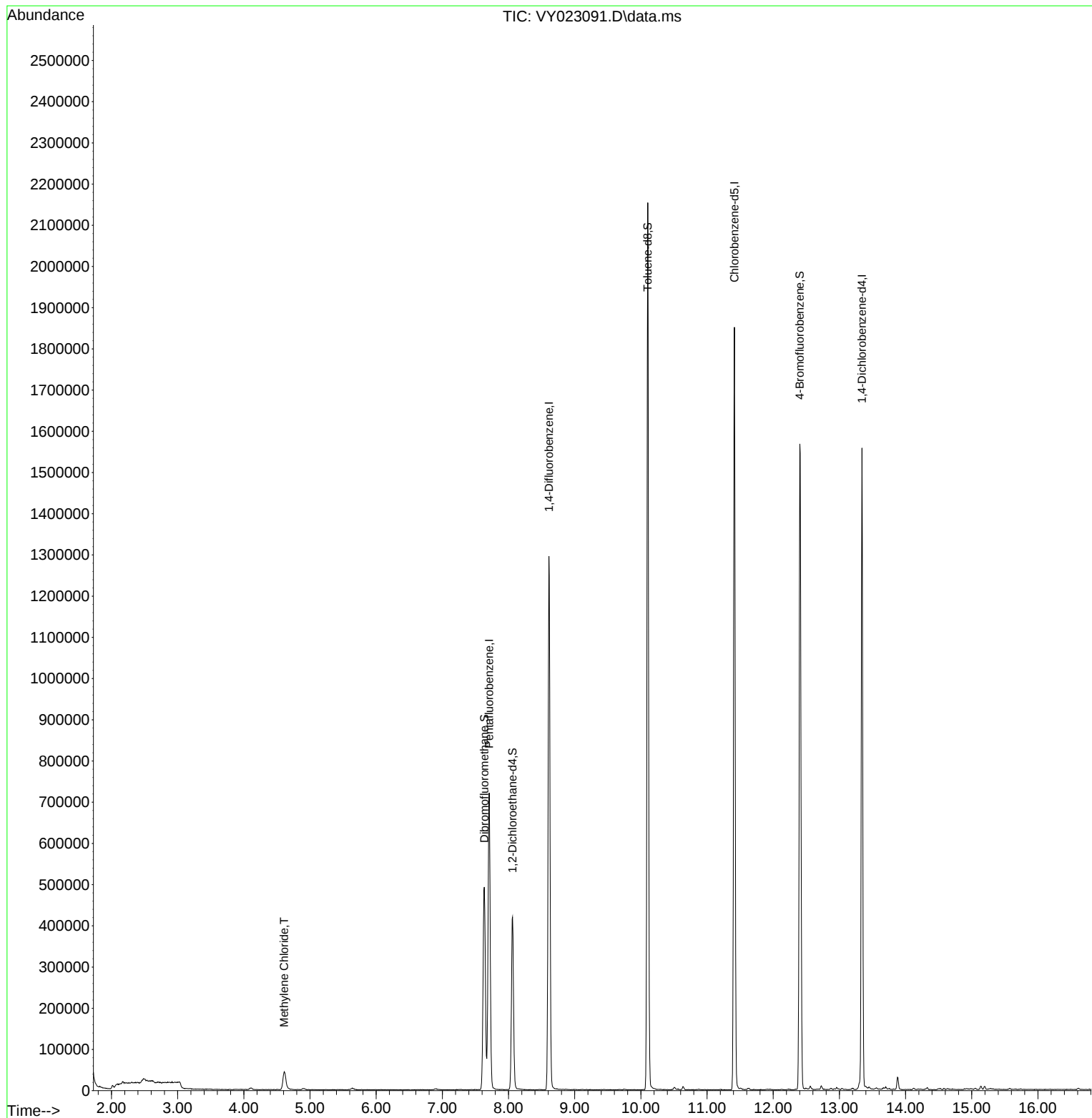
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 551711   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.609  | 114   | 1101553  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 967632   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.340 | 152   | 381964   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 327813   | 62.343   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 124.680% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 359196   | 54.495   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.000% |          |
| 50) Toluene-d8              | 10.103 | 98    | 1334904  | 51.842   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 103.680% |          |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 389251   | 47.005   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 94.020%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.610  | 84    | 32918    | 3.006    | ug/l       | 96       |
| -----                       |        |       |          |          |            |          |

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

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17M-N

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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

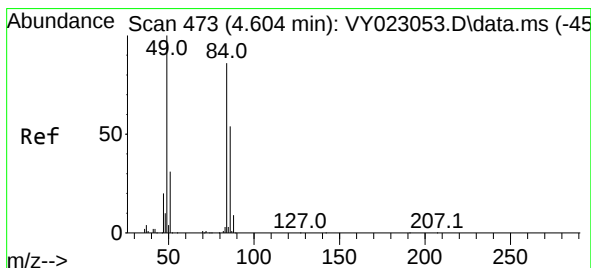
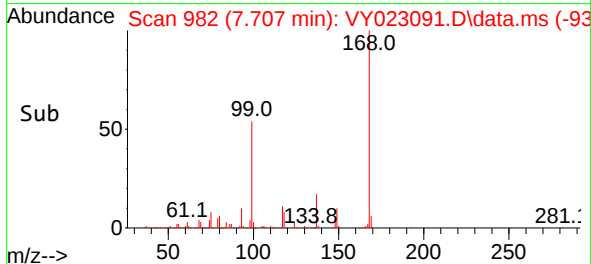
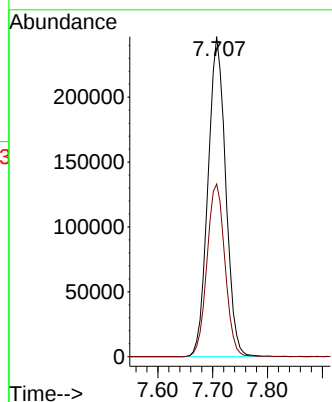
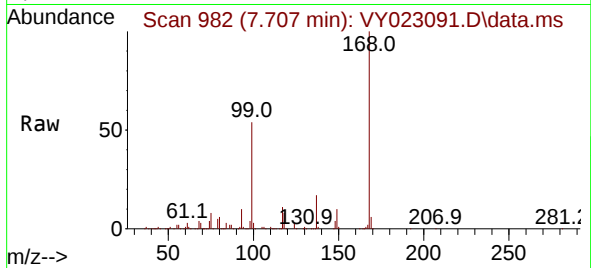




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023091.D  
Acq: 14 Aug 2025 13:37

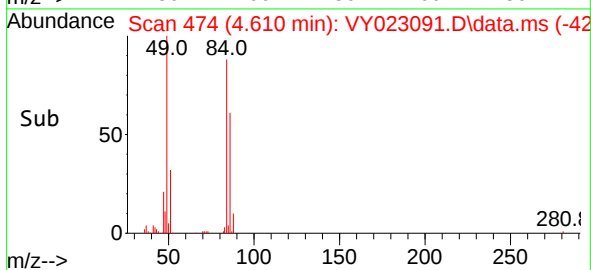
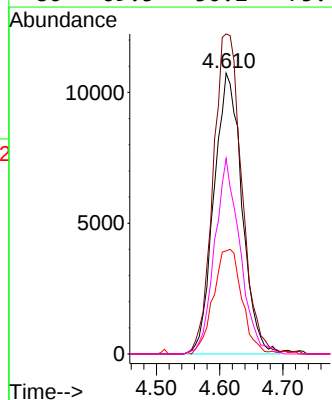
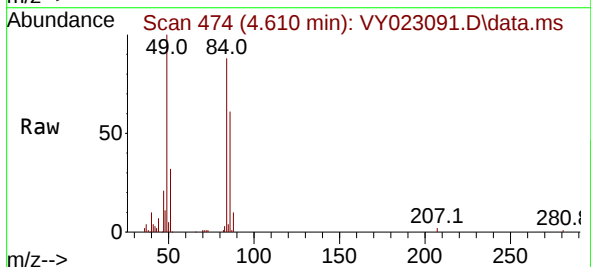
Instrument :  
MSVOA\_Y  
ClientSampleId :  
17M-N

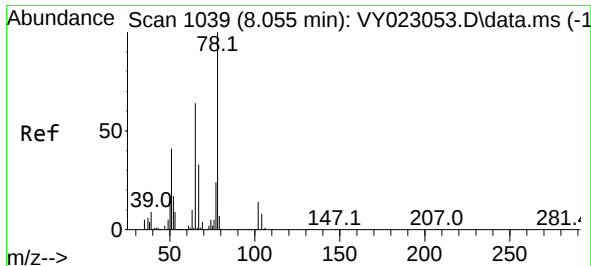
Tgt Ion:168 Resp: 551711  
Ion Ratio Lower Upper  
168 100  
99 53.9 42.8 64.2



#20  
Methylene Chloride  
Concen: 3.006 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY023091.D  
Acq: 14 Aug 2025 13:37

Tgt Ion: 84 Resp: 32918  
Ion Ratio Lower Upper  
84 100  
49 113.9 93.0 139.6  
51 36.7 29.0 43.4  
86 69.5 50.2 75.4

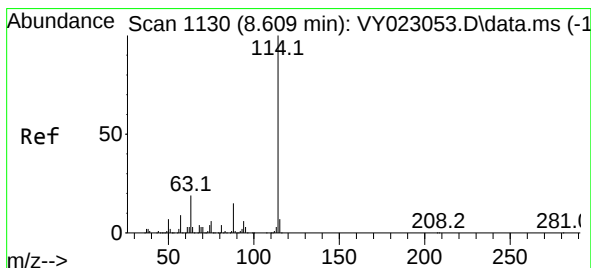
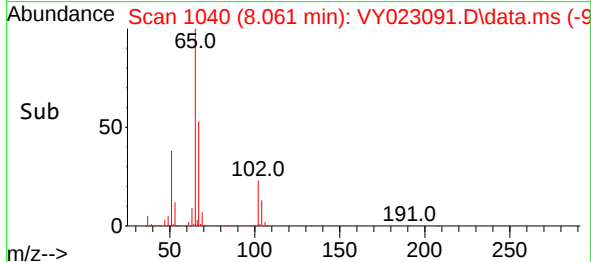
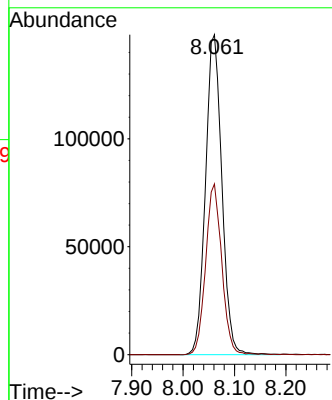
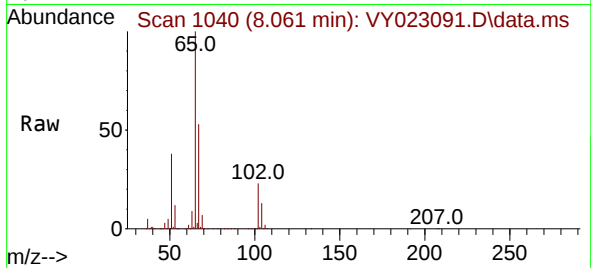




#33  
 1,2-Dichloroethane-d4  
 Concen: 62.343 ug/l  
 RT: 8.061 min Scan# 1039  
 Delta R.T. 0.006 min  
 Lab File: VY023091.D  
 Acq: 14 Aug 2025 13:37

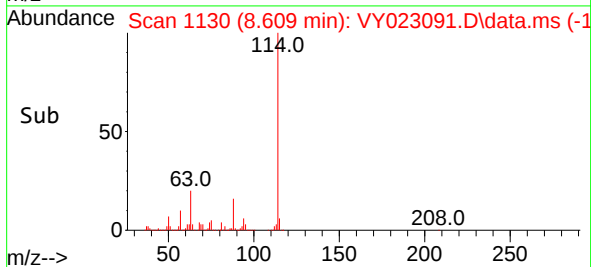
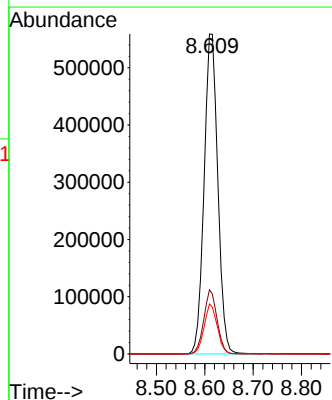
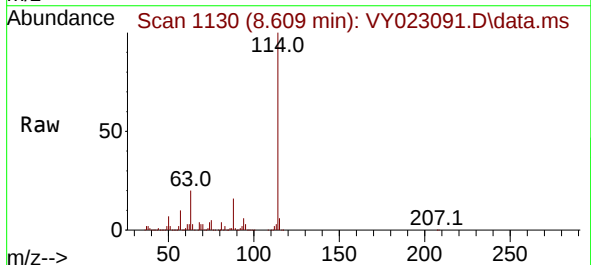
Instrument :  
 MSVOA\_Y  
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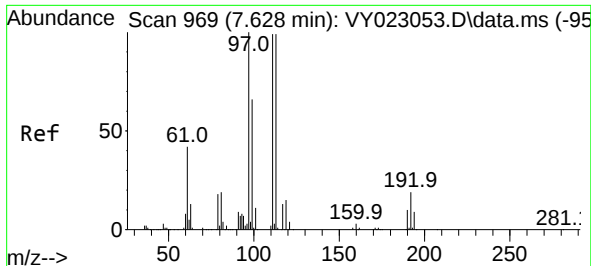
Tgt Ion: 65 Resp: 327813  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.609 min Scan# 1130  
 Delta R.T. 0.000 min  
 Lab File: VY023091.D  
 Acq: 14 Aug 2025 13:37

Tgt Ion: 114 Resp: 1101553  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 38.4  
 88 15.6 0.0 30.0

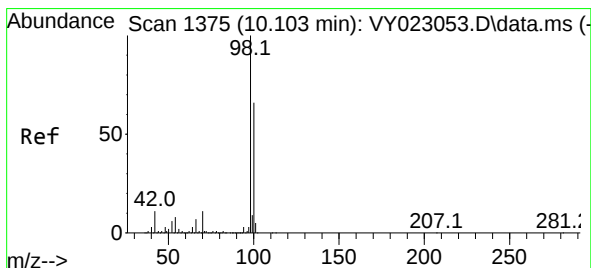
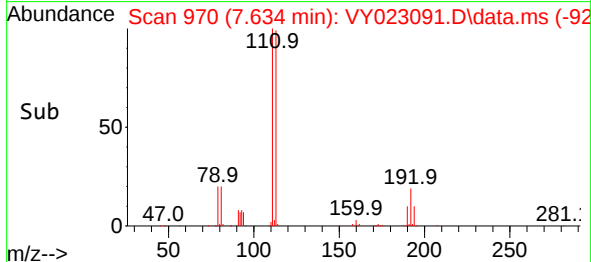
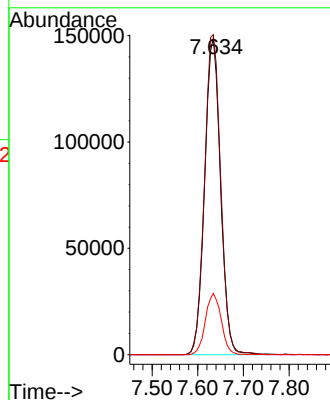
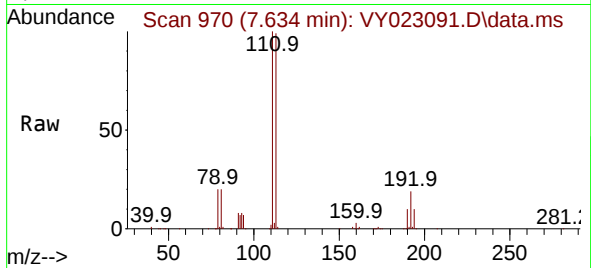




#35  
 Dibromofluoromethane  
 Concen: 54.495 ug/l  
 RT: 7.634 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY023091.D  
 Acq: 14 Aug 2025 13:37

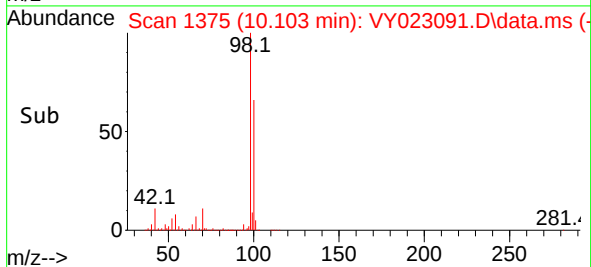
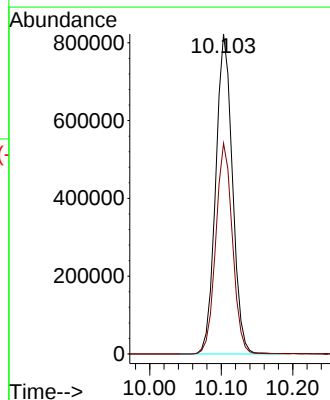
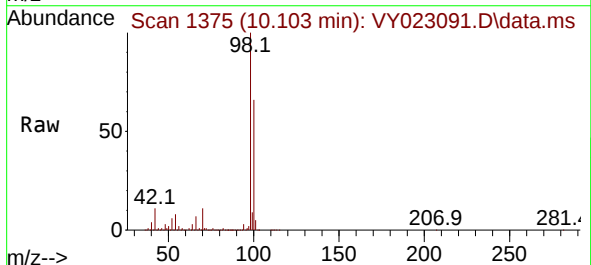
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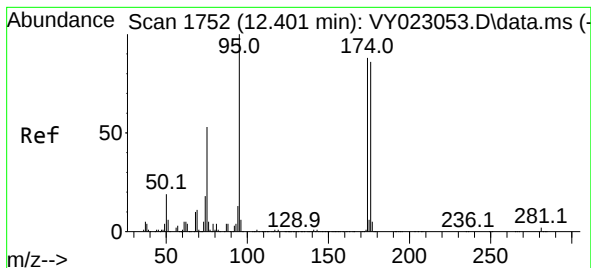
Tgt Ion:113 Resp: 359196  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 81.1 121.7  
 192 19.4 16.2 24.4



#50  
 Toluene-d8  
 Concen: 51.842 ug/l  
 RT: 10.103 min Scan# 1375  
 Delta R.T. 0.000 min  
 Lab File: VY023091.D  
 Acq: 14 Aug 2025 13:37

Tgt Ion: 98 Resp: 1334904  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 47.005 ug/l

RT: 12.401 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023091.D

Acq: 14 Aug 2025 13:37

Instrument :

MSVOA\_Y

ClientSampleId :

17M-N

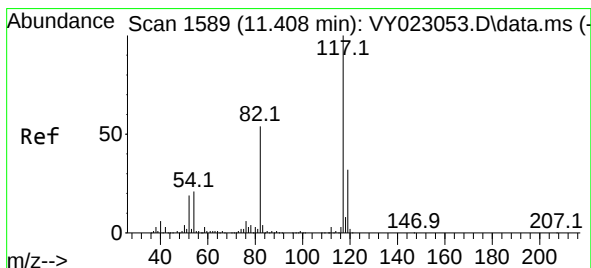
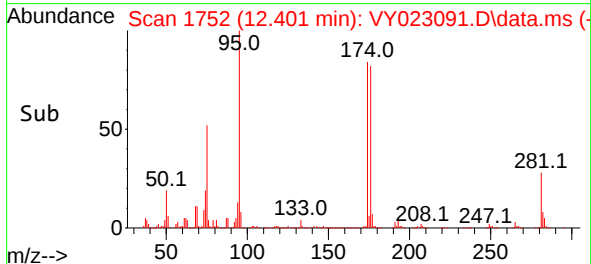
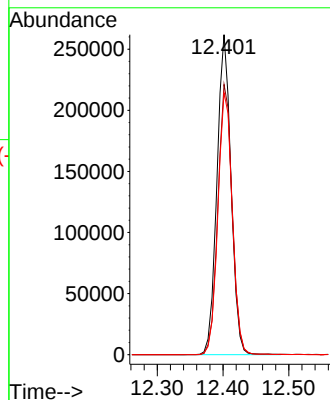
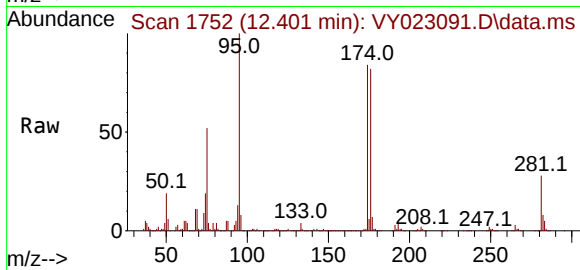
Tgt Ion: 95 Resp: 389251

Ion Ratio Lower Upper

95 100

174 86.0 0.0 171.6

176 83.9 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023091.D

Acq: 14 Aug 2025 13:37

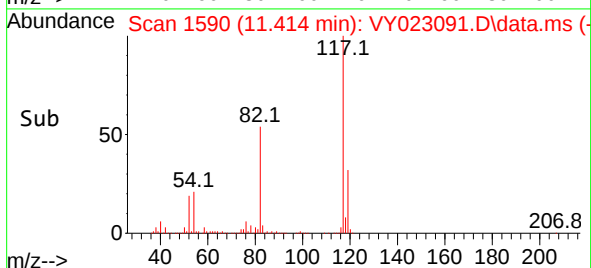
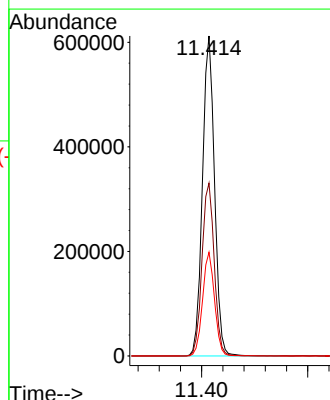
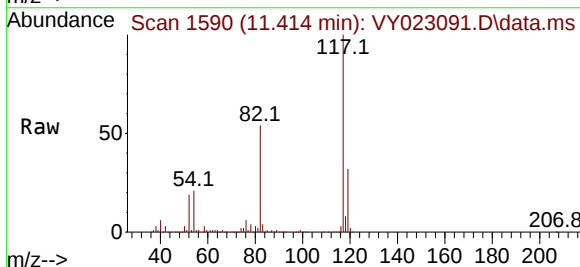
Tgt Ion: 117 Resp: 967632

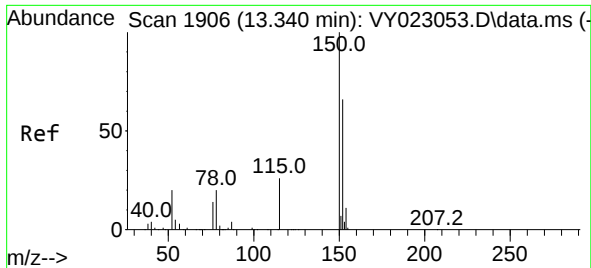
Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.4 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.340 min Scan# 1906  
 Delta R.T. 0.000 min  
 Lab File: VY023091.D  
 Acq: 14 Aug 2025 13:37

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 381964  
 Ion Ratio Lower Upper  
 152 100  
 115 57.1 28.2 84.6  
 150 155.3 0.0 348.0

