

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112625\  
 Data File : VY023826.D  
 Acq On : 26 Nov 2025 14:54  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Nov 27 01:23:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 27 01:14:36 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 749382   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 1381356  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 1194676  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 495364   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.060  | 65    | 436549   | 59.819   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.640% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 432409   | 52.842   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.680% |
| 50) Toluene-d8              | 10.109 | 98    | 1625972  | 50.025   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.060% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 487645   | 45.598   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.200%  |

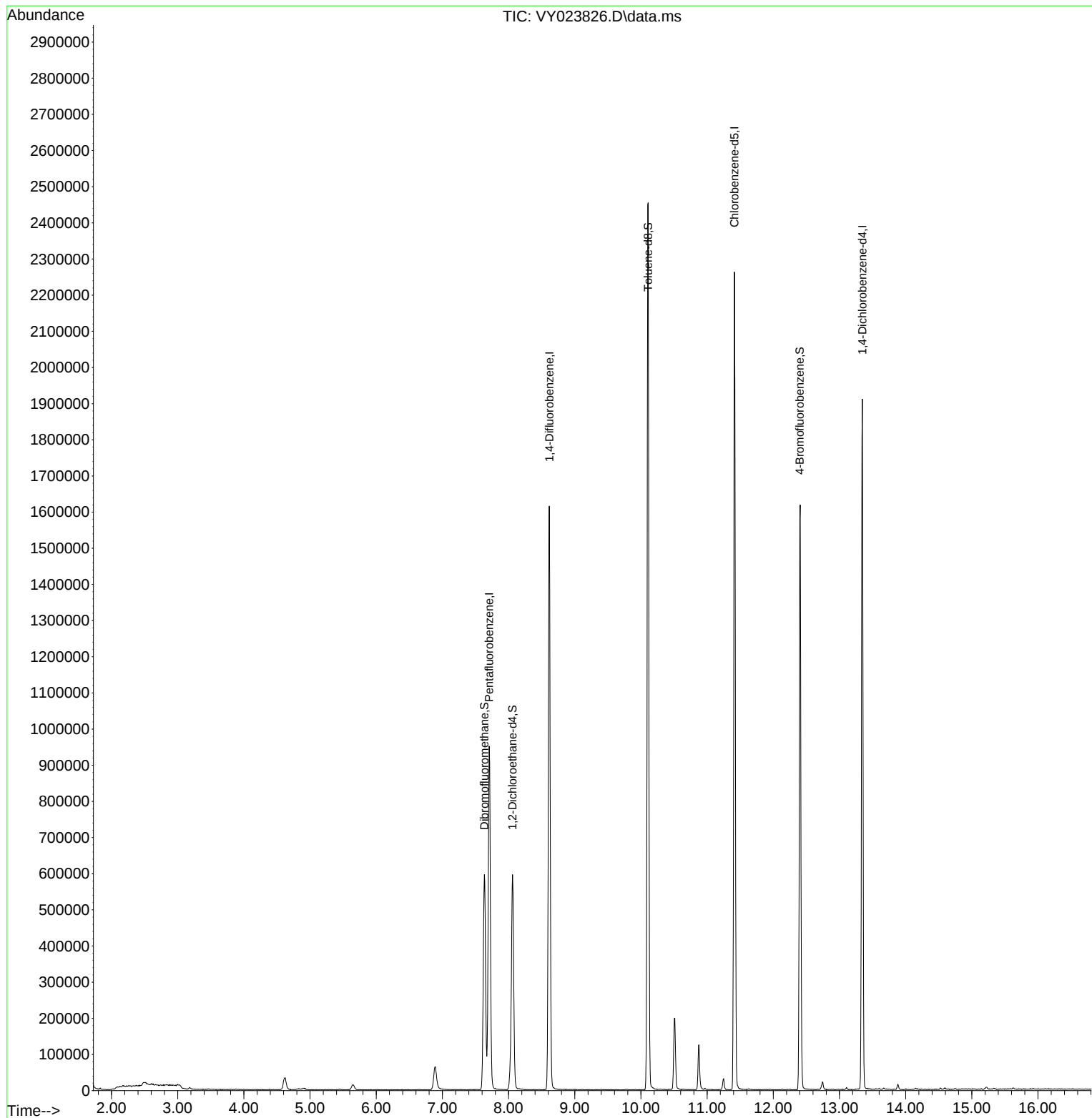
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

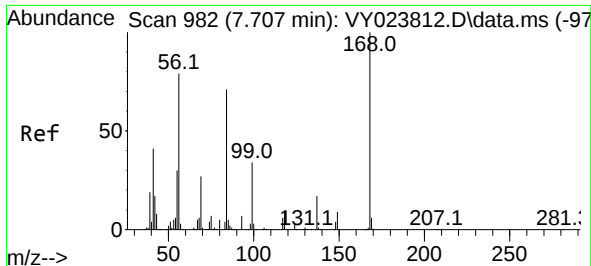
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 27 01:14:36 2025  
Response via : Initial Calibration

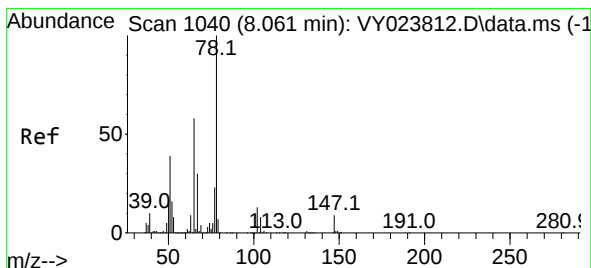
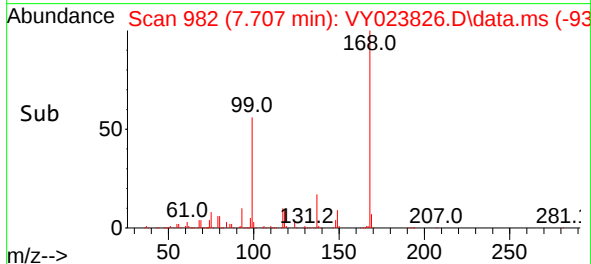
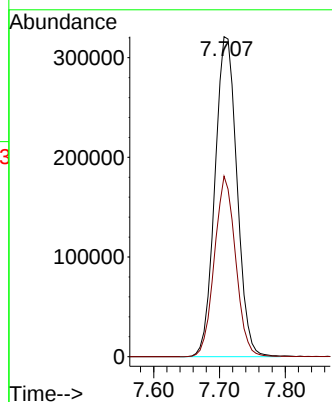
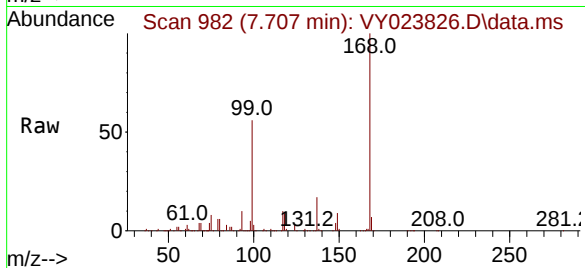




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

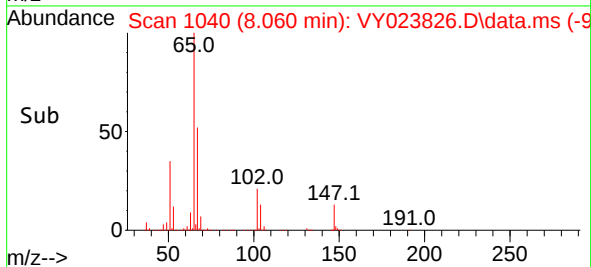
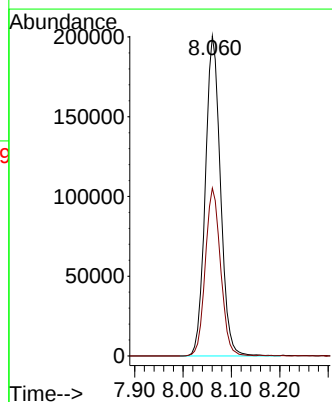
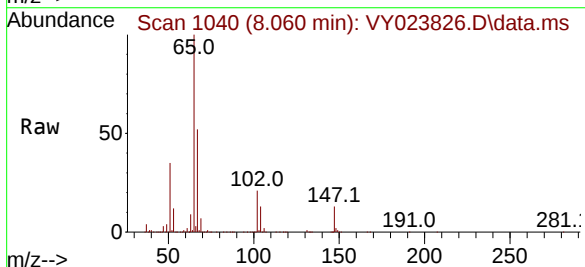
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

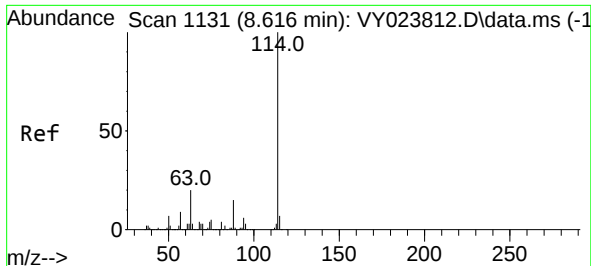
Tgt Ion:168 Resp: 749382  
Ion Ratio Lower Upper  
168 100  
99 56.4 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 59.819 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

Tgt Ion: 65 Resp: 436549  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 107.4

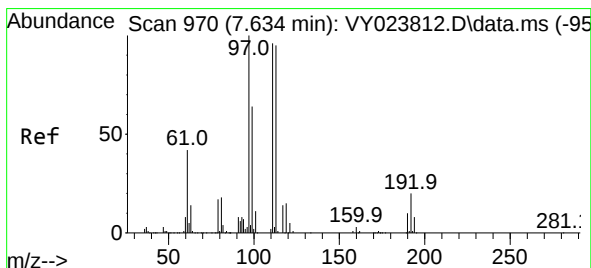
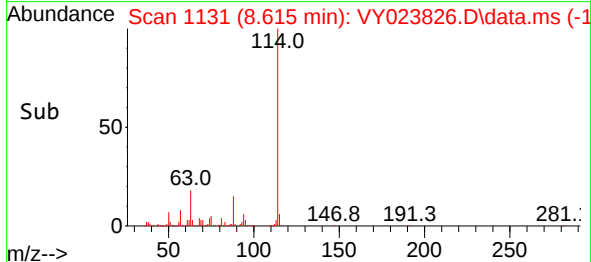
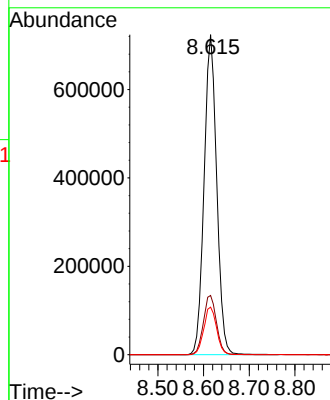
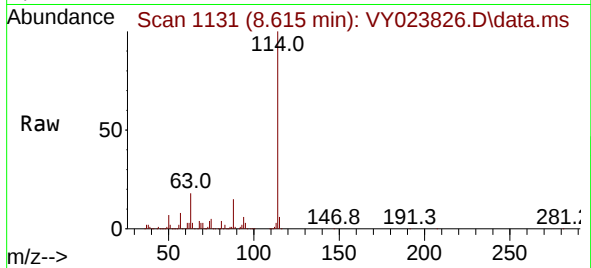




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

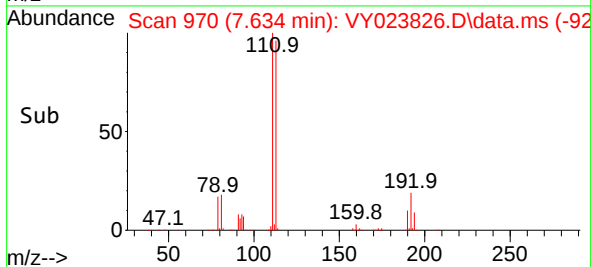
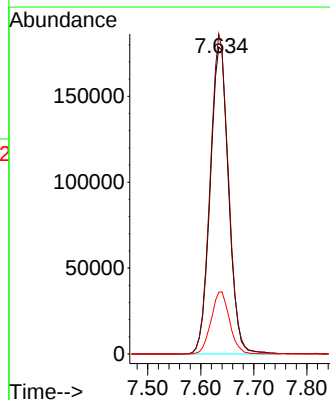
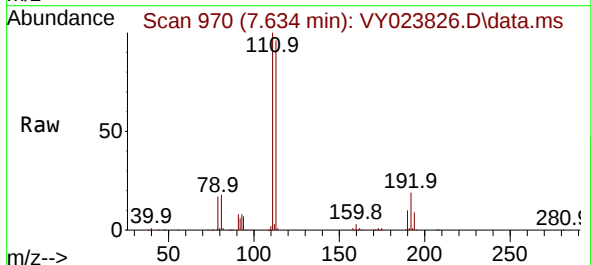
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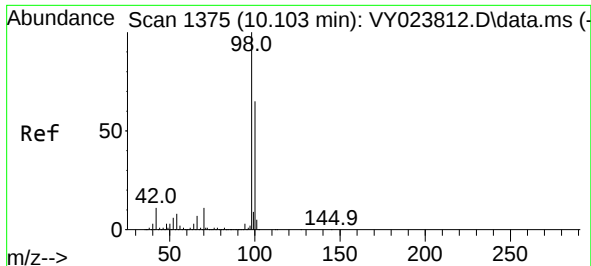
Tgt Ion:114 Resp: 1381356  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 39.4  
88 14.9 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 52.842 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

Tgt Ion:113 Resp: 432409  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 20.3 15.8 23.8

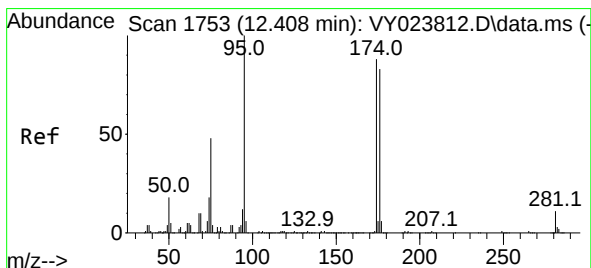
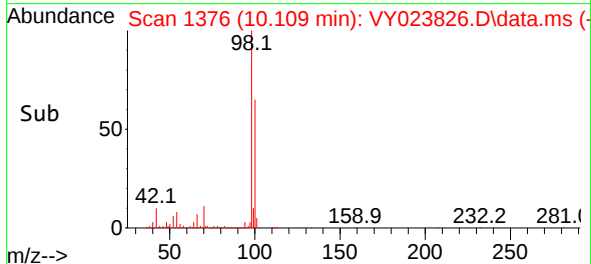
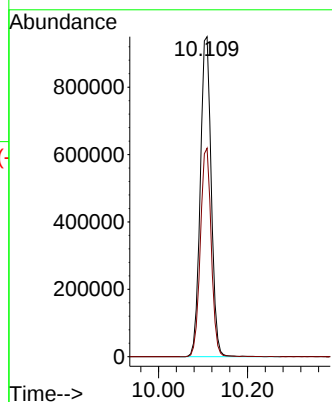
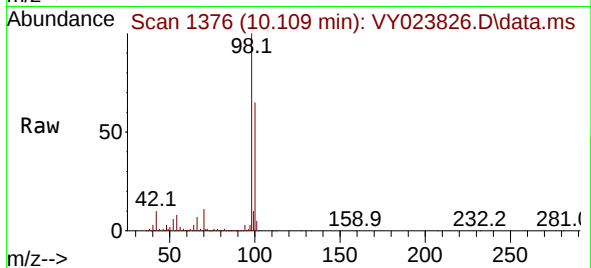




#50  
Toluene-d8  
Concen: 50.025 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

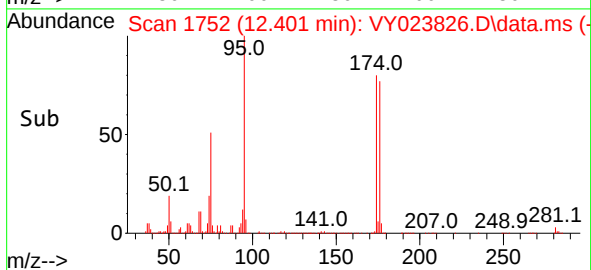
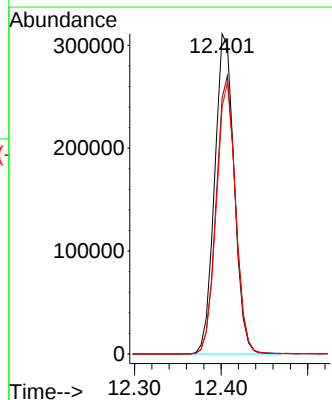
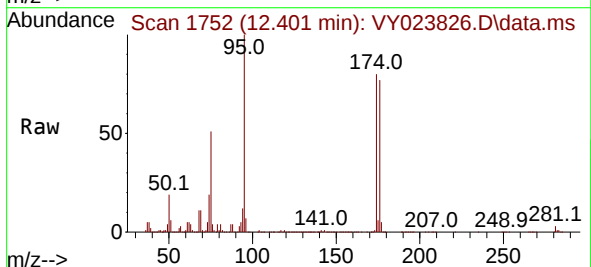
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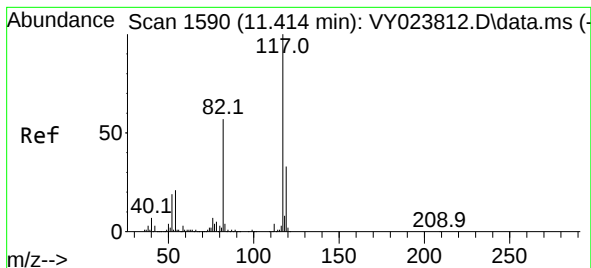
Tgt Ion: 98 Resp: 1625972  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.598 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY023826.D  
Acq: 26 Nov 2025 14:54

Tgt Ion: 95 Resp: 487645  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 168.6  
176 83.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023826.D

Acq: 26 Nov 2025 14:54

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

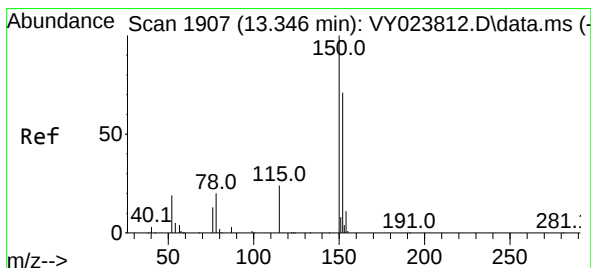
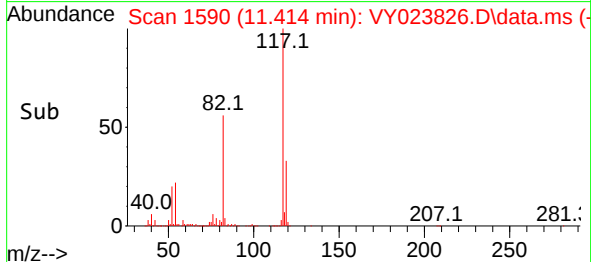
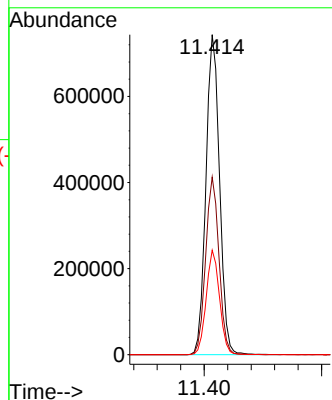
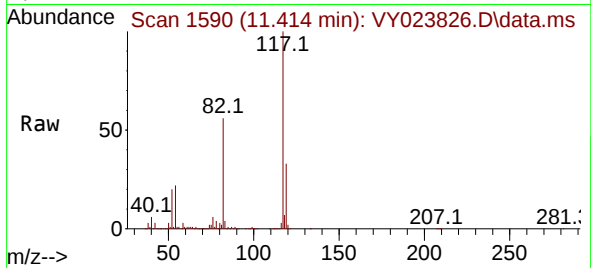
Tgt Ion:117 Resp: 1194676

Ion Ratio Lower Upper

117 100

82 55.5 45.4 68.0

119 32.7 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023826.D

Acq: 26 Nov 2025 14:54

Tgt Ion:152 Resp: 495364

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

150 156.3 0.0 345.6

