

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091025\  
 Data File : VY023322.D  
 Acq On : 10 Sep 2025 09:39  
 Operator : SY/MD  
 Sample : VY0910SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0910SBL01

Quant Time: Sep 11 03:46:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 583431   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 1118169  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1034716  | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 415042   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 313926   | 61.234   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 122.460% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 367281   | 53.735   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.480% |
| 50) Toluene-d8              | 10.109 | 98    | 1335188  | 51.733   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.460% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 400984   | 49.369   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 98.740%  |

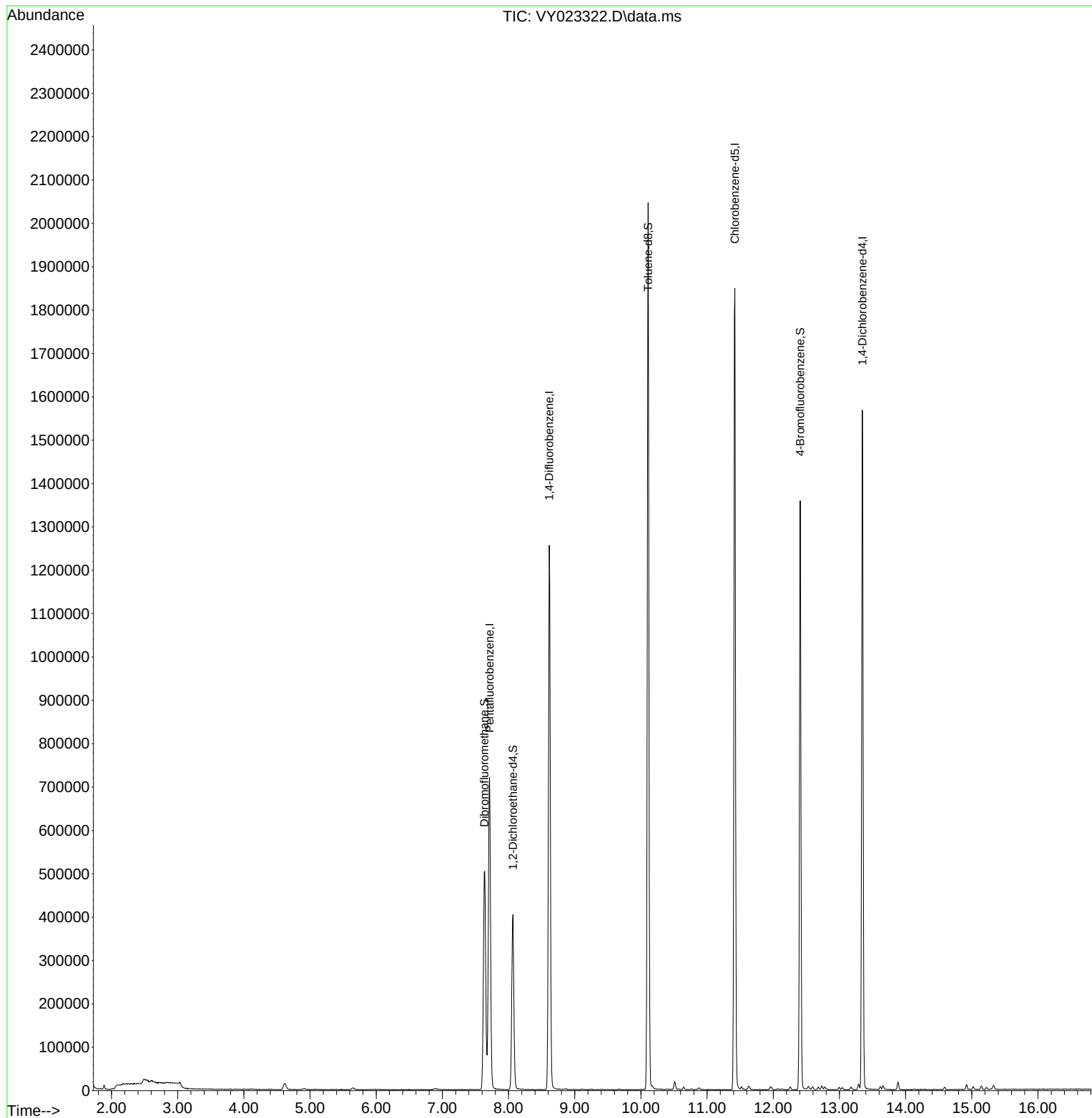
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

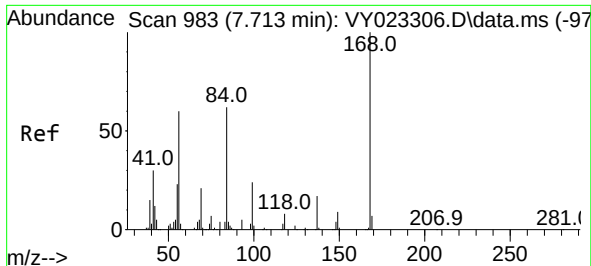
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0910SBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 10 01:44:33 2025  
Response via : Initial Calibration

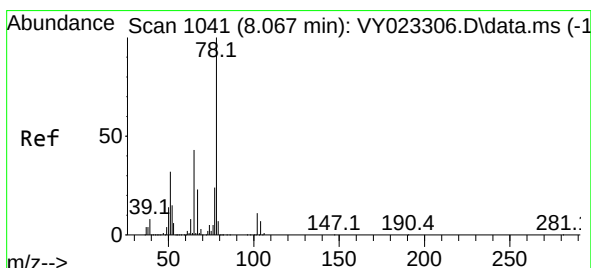
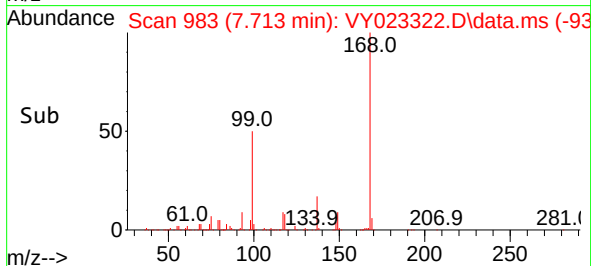
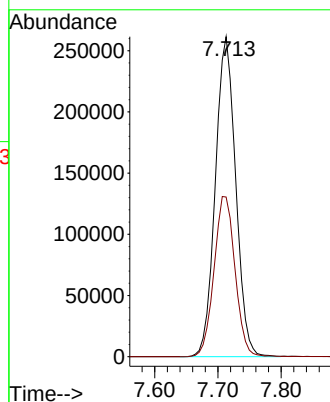
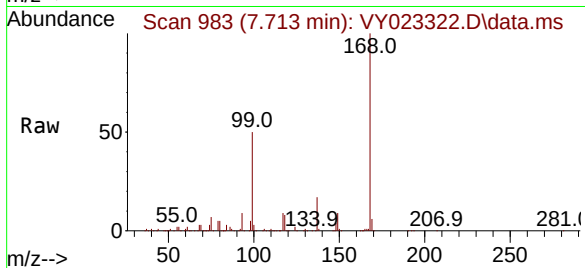




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

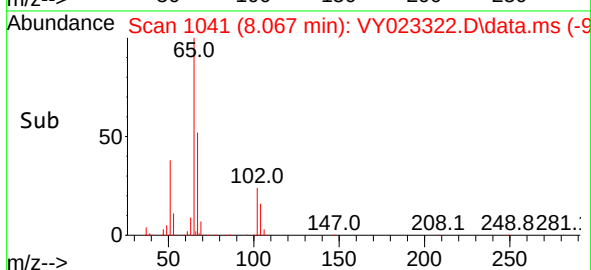
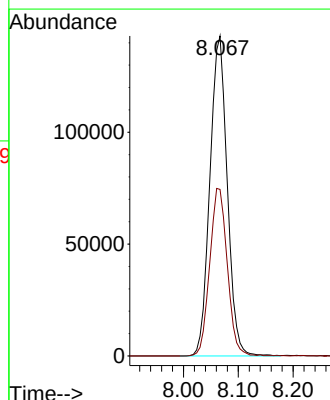
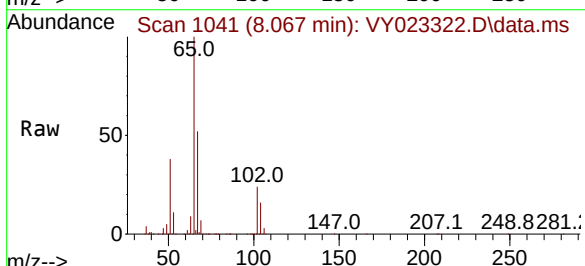
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0910SBL01

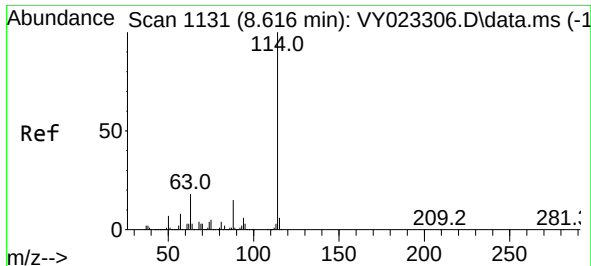
Tgt Ion:168 Resp: 583431  
Ion Ratio Lower Upper  
168 100  
99 49.9 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 61.234 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

Tgt Ion: 65 Resp: 313926  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 106.8

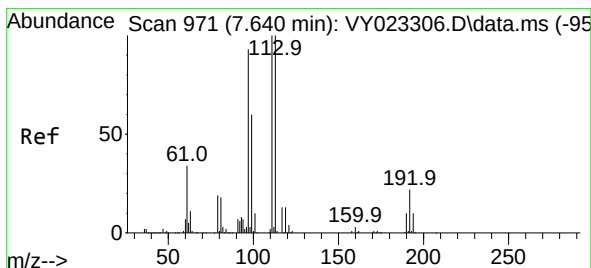
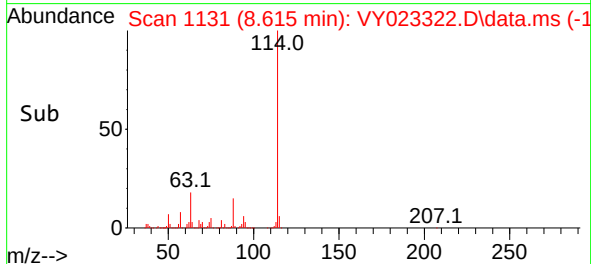
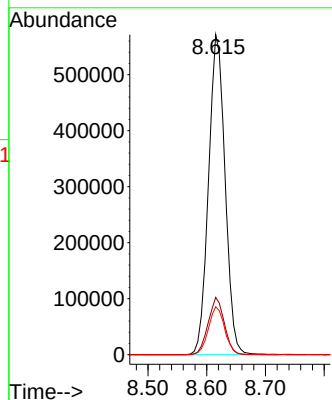
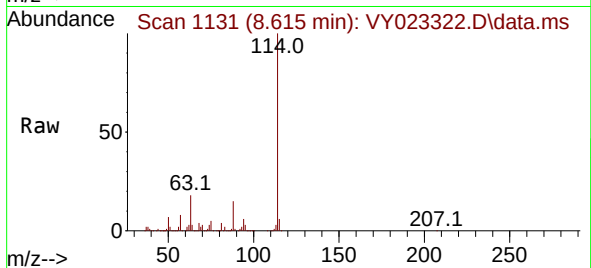




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

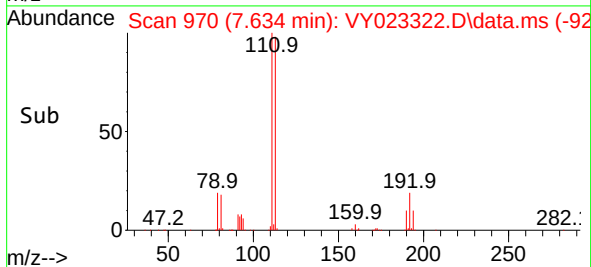
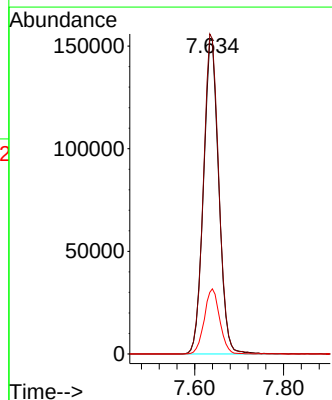
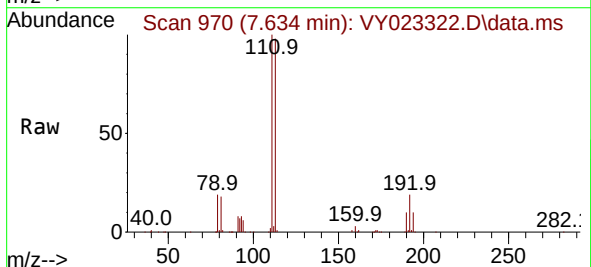
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0910SBL01

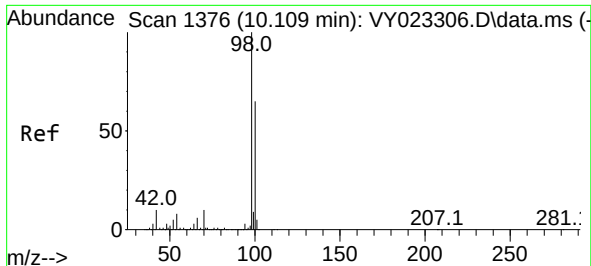
Tgt Ion:114 Resp: 1118169  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 38.4  
88 15.0 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 53.735 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

Tgt Ion:113 Resp: 367281  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.1 121.7  
192 20.9 16.2 24.4

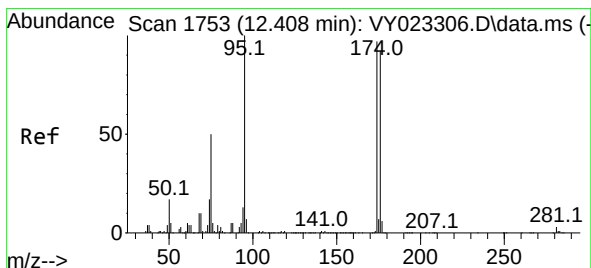
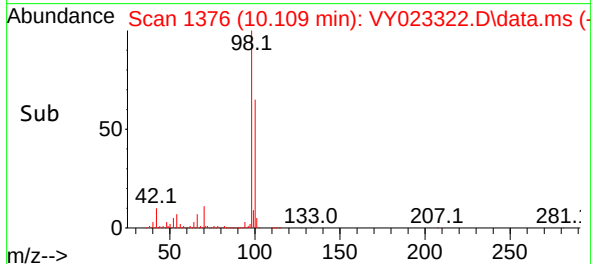
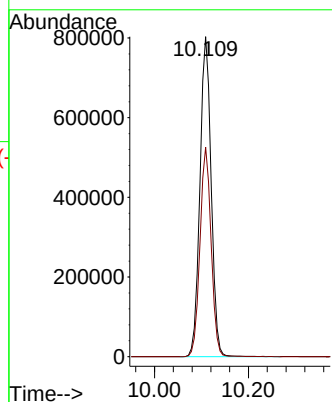
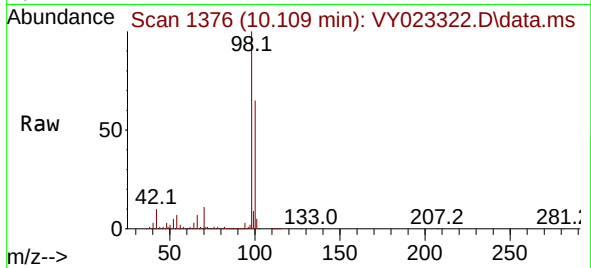




#50  
Toluene-d8  
Concen: 51.733 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

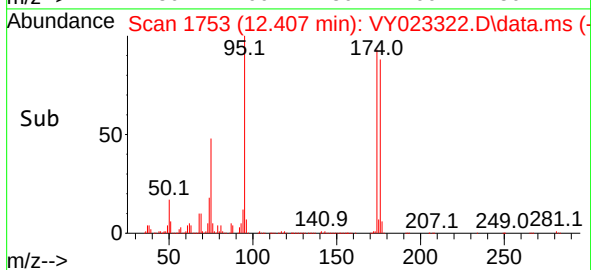
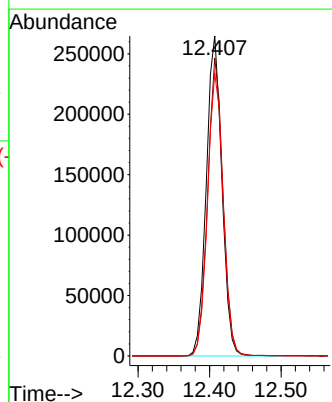
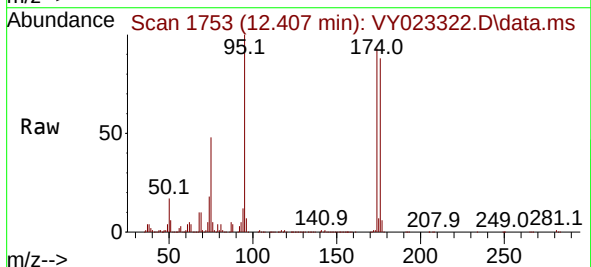
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0910SBL01

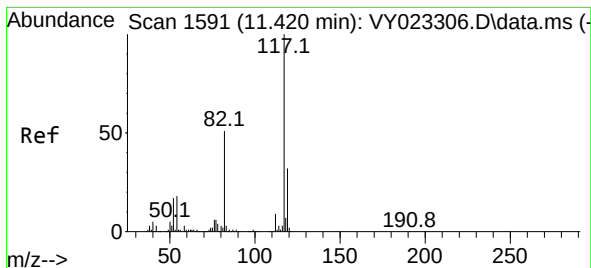
Tgt Ion: 98 Resp: 1335188  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 49.369 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023322.D  
Acq: 10 Sep 2025 09:39

Tgt Ion: 95 Resp: 400984  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 171.6  
176 88.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

Instrument :

MSVOA\_Y

ClientSampleId :

VY0910SBL01

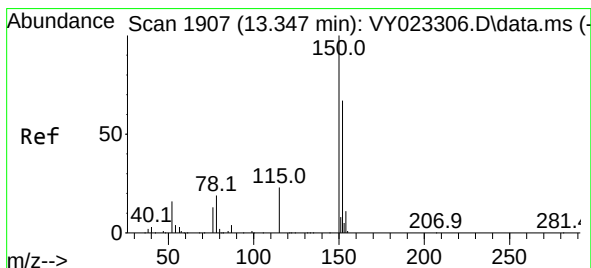
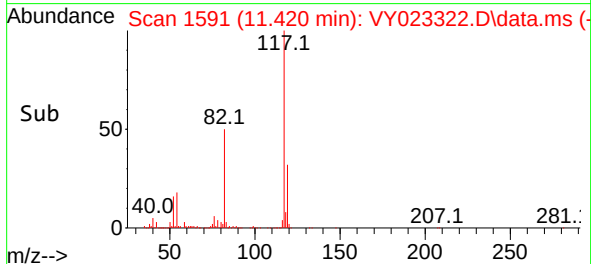
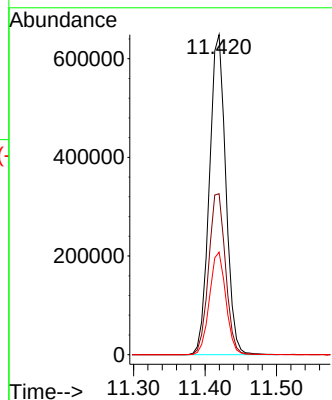
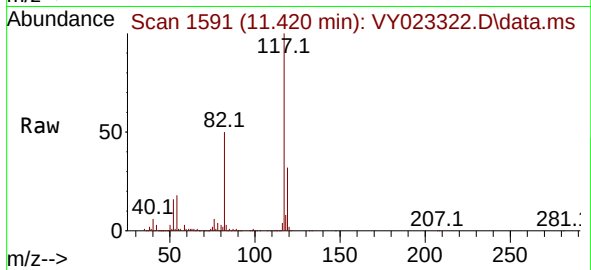
Tgt Ion:117 Resp: 1034716

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

Tgt Ion:152 Resp: 415042

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.6

150 157.3 0.0 348.0

