

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
 Data File : VY023850.D  
 Acq On : 02 Dec 2025 10:24  
 Operator : SY/MD  
 Sample : VY1202SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1202SBL01

Quant Time: Dec 03 00:59:43 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      | 7.713  | 168  | 690111   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 1278486  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1125521  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 454228   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 421477   | 62.714   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 125.420% |
| 35) Dibromofluoromethane    | 7.646  | 113   | 410218   | 54.164   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.320% |
| 50) Toluene-d8              | 10.109 | 98    | 1524404  | 50.674   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.340% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 454362   | 45.904   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.800%  |

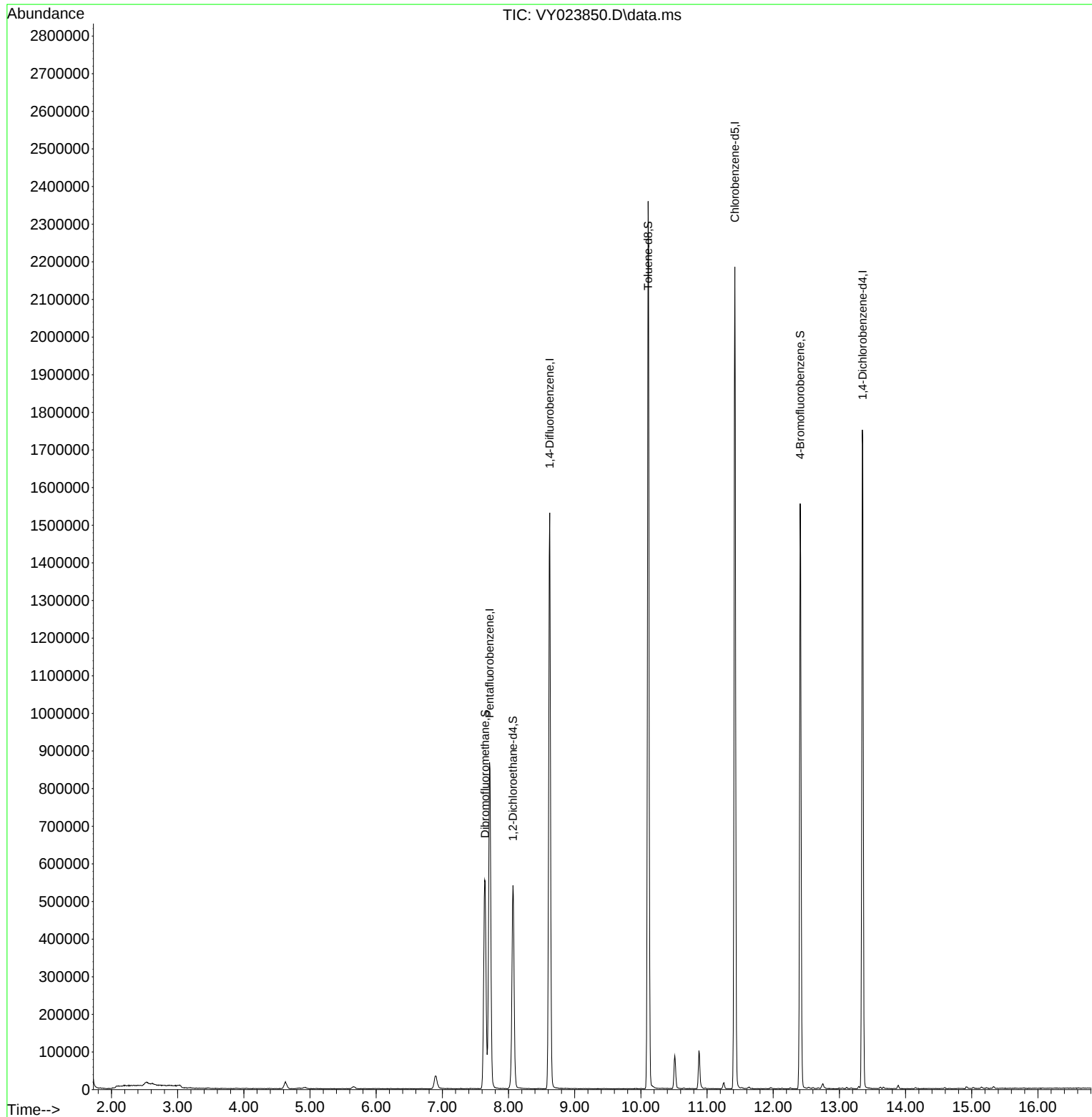
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

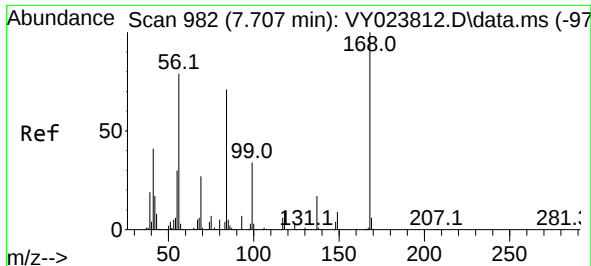
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
Data File : VY023850.D  
Acq On : 02 Dec 2025 10:24  
Operator : SY/MD  
Sample : VY1202SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1202SBL01

Quant Time: Dec 03 00:59:43 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

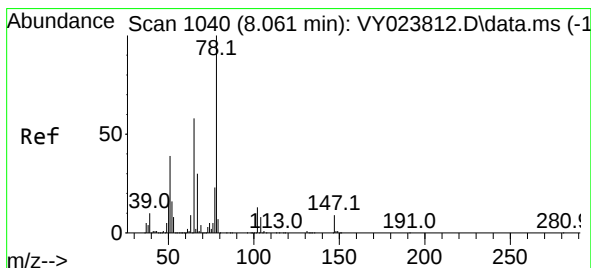
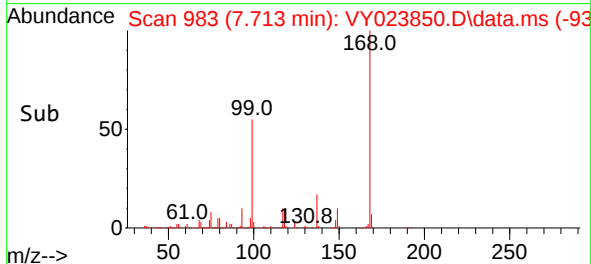
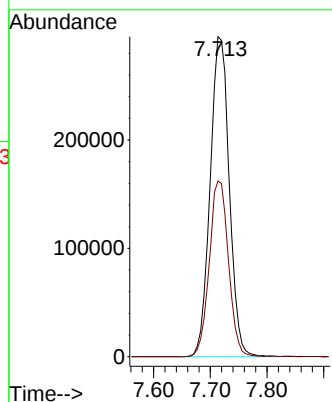
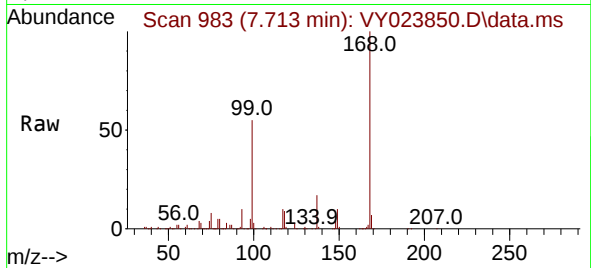




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

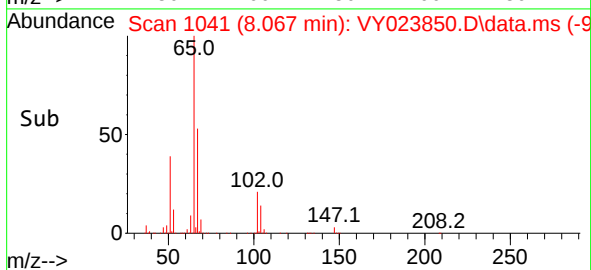
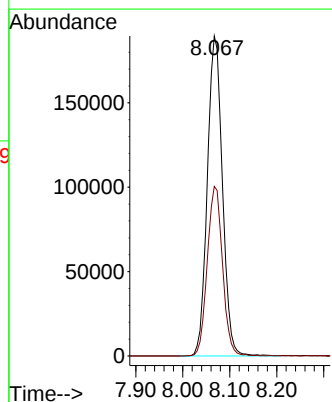
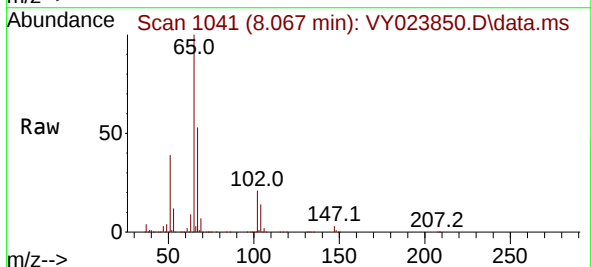
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1202SBL01

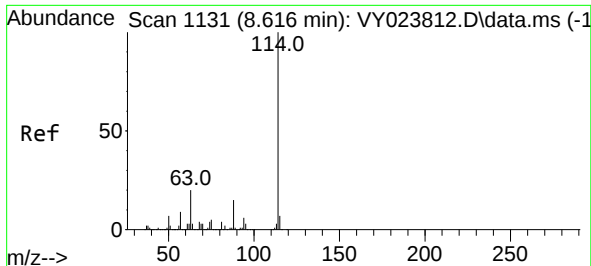
Tgt Ion:168 Resp: 690111  
Ion Ratio Lower Upper  
168 100  
99 54.9 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 62.714 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Tgt Ion: 65 Resp: 421477  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.4

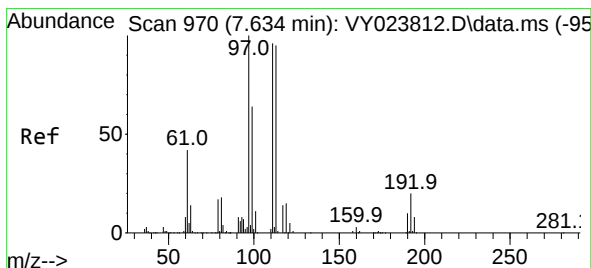
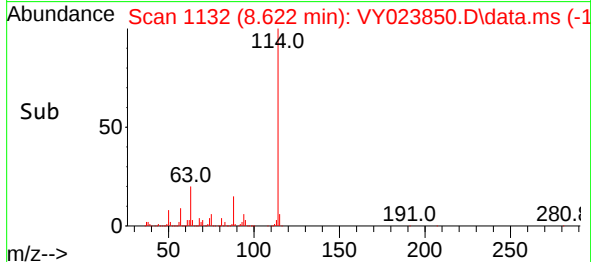
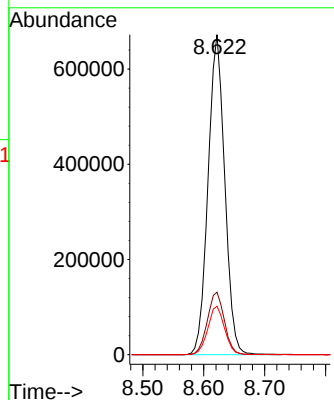
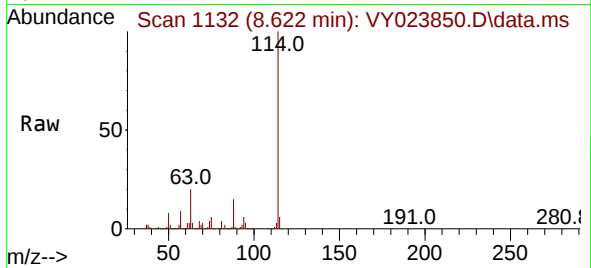




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.622 min Scan# 1132  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

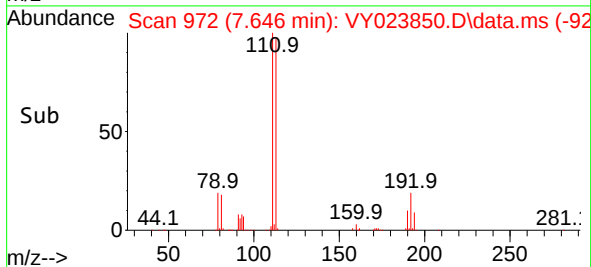
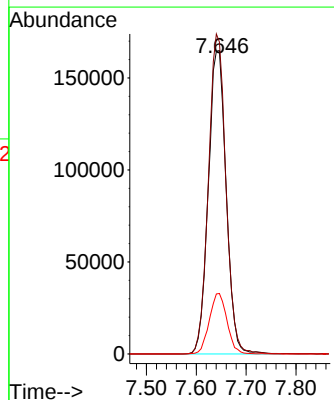
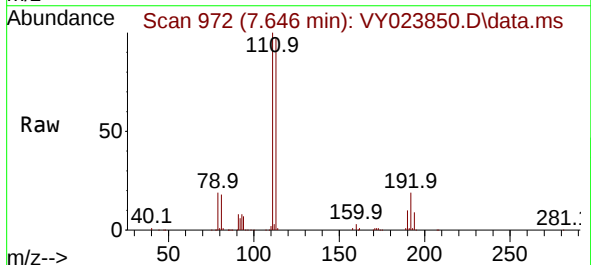
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1202SBL01

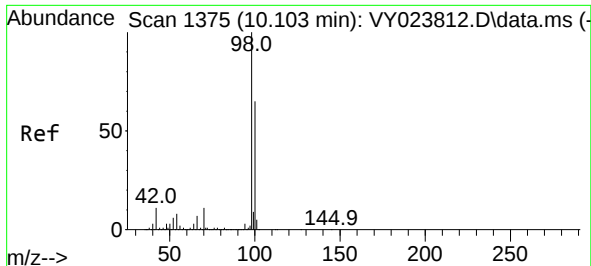
Tgt Ion:114 Resp: 1278486  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 39.4  
88 15.1 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 54.164 ug/l  
RT: 7.646 min Scan# 972  
Delta R.T. 0.012 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Tgt Ion:113 Resp: 410218  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.4 122.0  
192 19.7 15.8 23.8

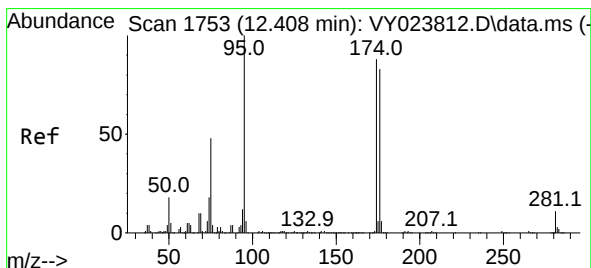
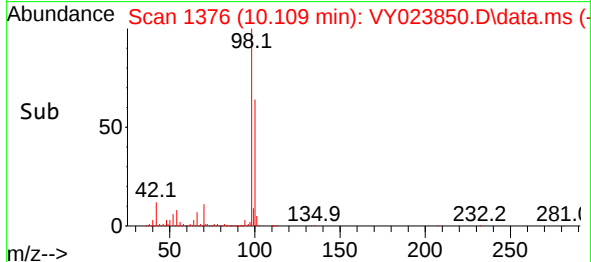
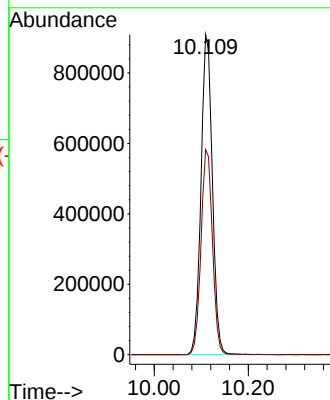
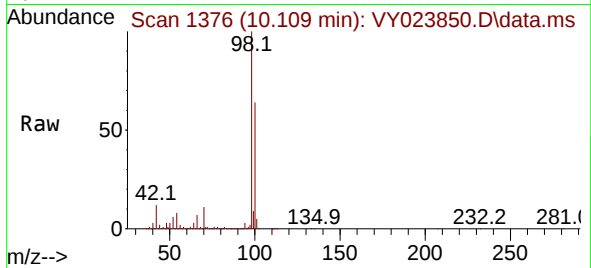




#50  
Toluene-d8  
Concen: 50.674 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

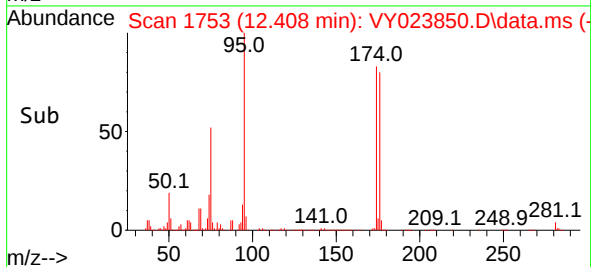
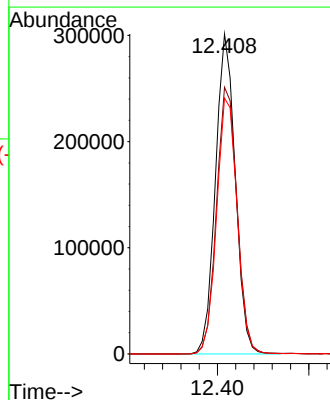
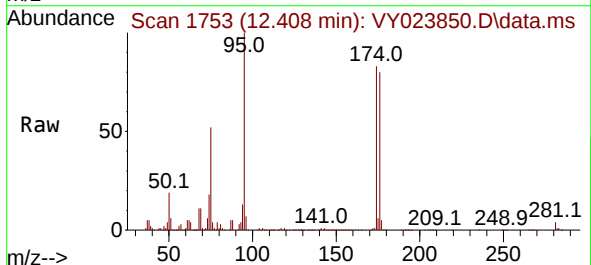
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1202SBL01

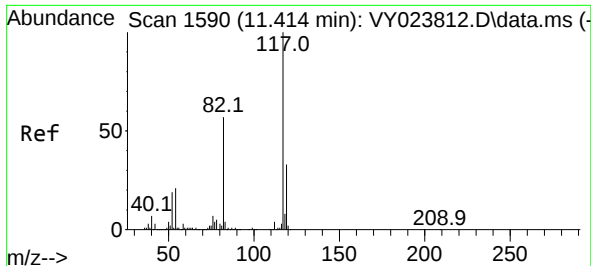
Tgt Ion: 98 Resp: 1524404  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.904 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Tgt Ion: 95 Resp: 454362  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 168.6  
176 82.8 0.0 164.6

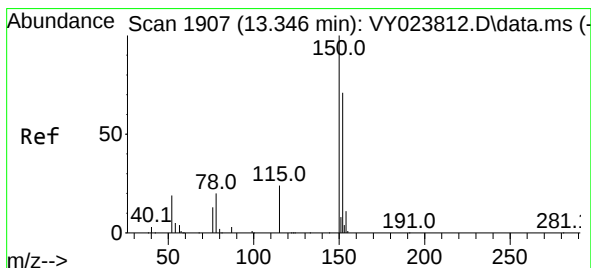
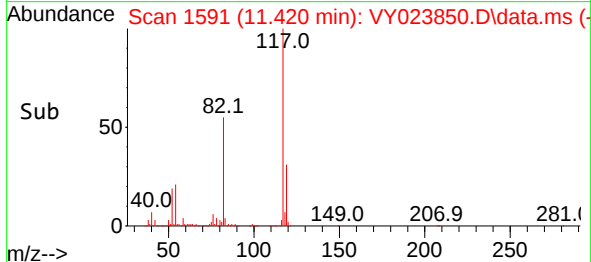
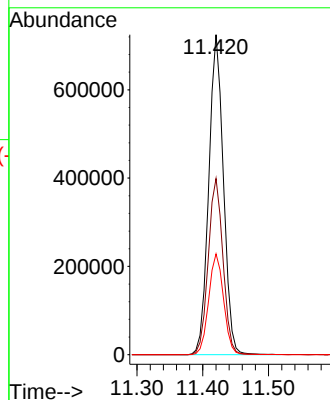
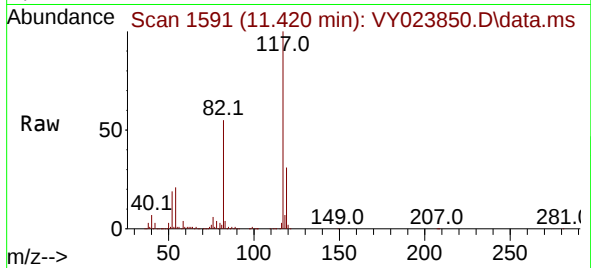




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1202SBL01

Tgt Ion:117 Resp: 1125521  
Ion Ratio Lower Upper  
117 100  
82 55.0 45.4 68.0  
119 31.5 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY023850.D  
Acq: 02 Dec 2025 10:24

Tgt Ion:152 Resp: 454228  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.7 86.3  
150 157.8 0.0 345.6

