

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101525\  
 Data File : VY023477.D  
 Acq On : 15 Oct 2025 15:05  
 Operator : SY/MD  
 Sample : Q3355-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 16 02:45:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 50647    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 68855    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 56907    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 21615    | 50.000 | ug/l  | 0.00     |

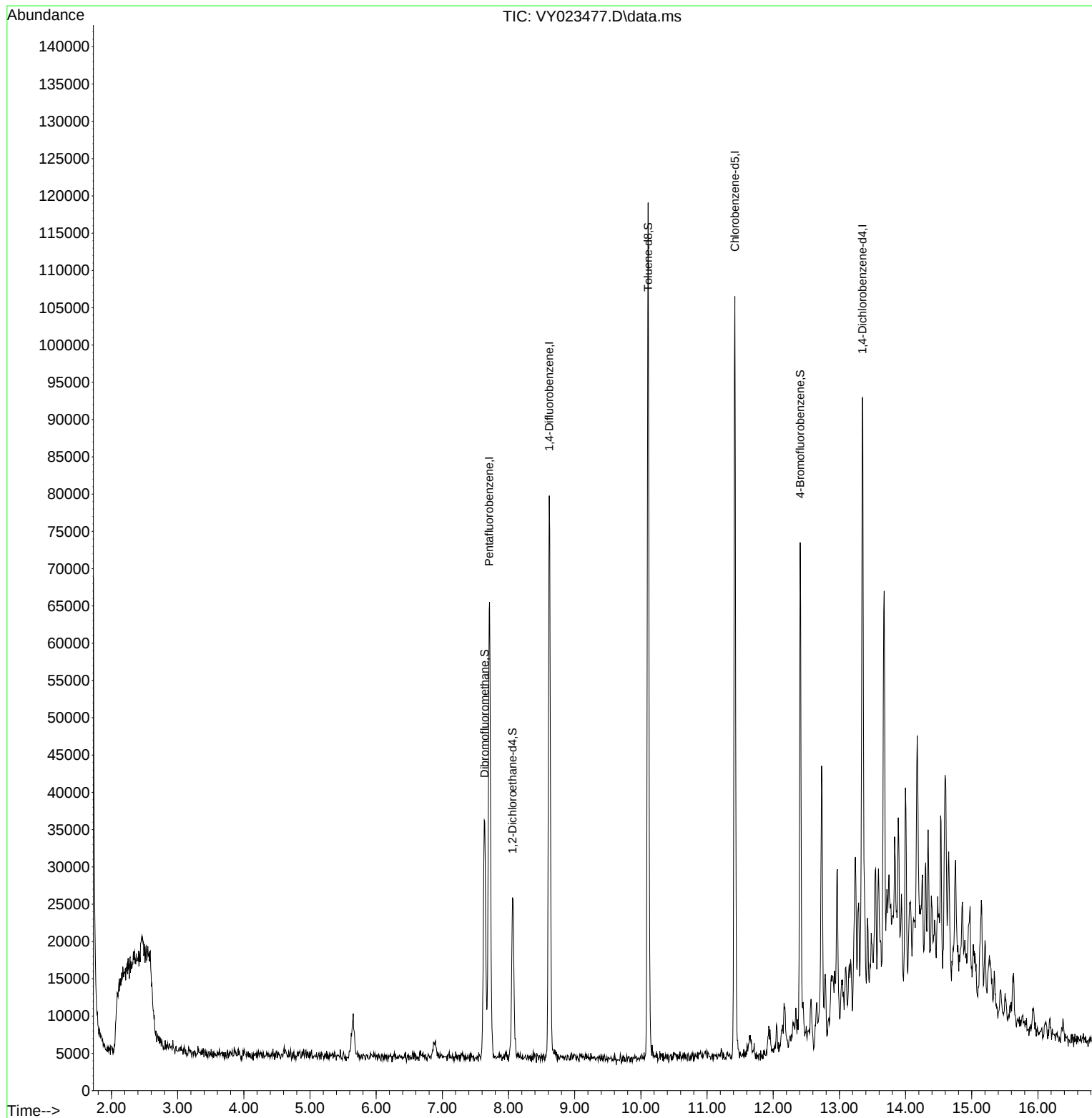
|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 17966    | 42.421   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 84.840%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 23294    | 55.058   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.120% |
| 50) Toluene-d8              | 10.109 | 98    | 76642    | 48.643   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.280%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 18657    | 35.866   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 71.740%  |

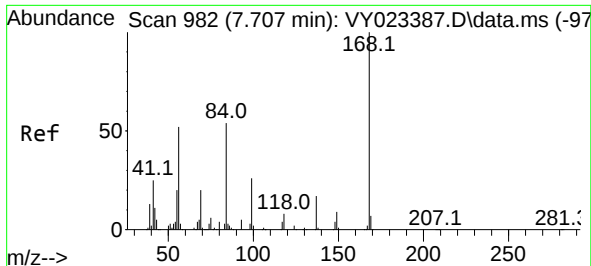
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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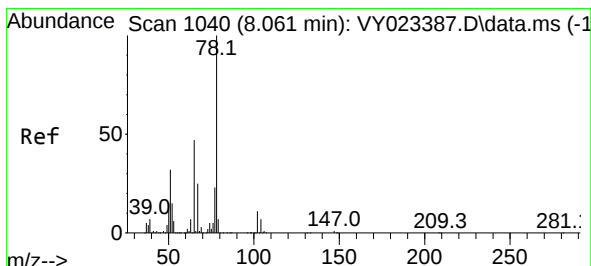
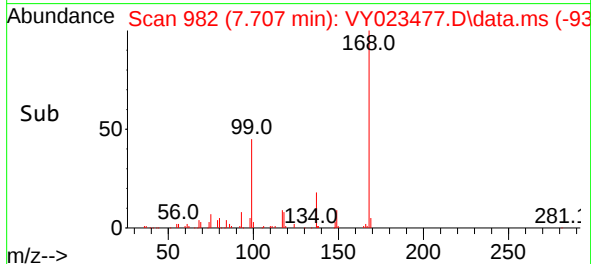
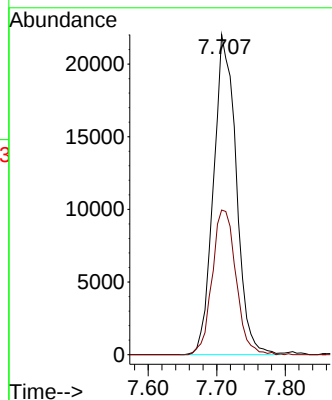
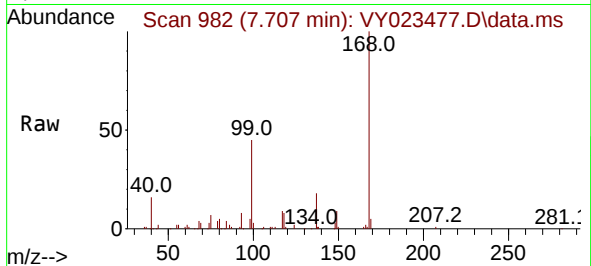
Quant Time: Oct 16 02:45:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
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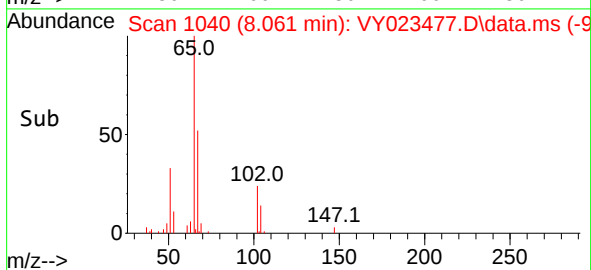
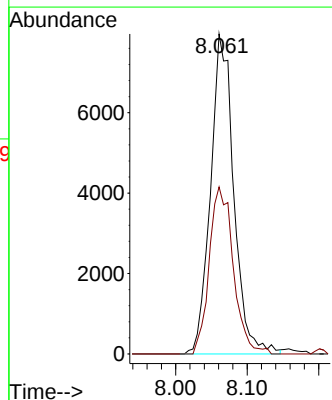
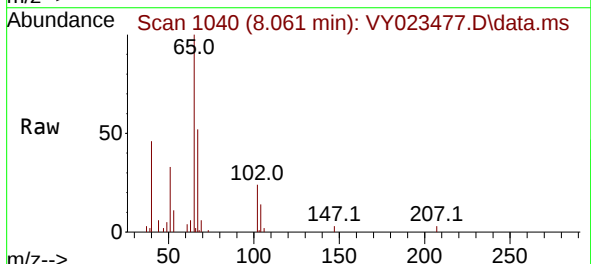
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

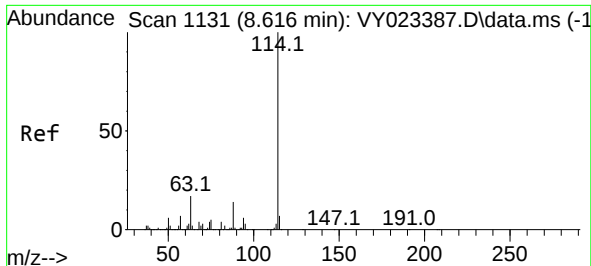
Tgt Ion:168 Resp: 50647  
Ion Ratio Lower Upper  
168 100  
99 45.2 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 42.421 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

Tgt Ion: 65 Resp: 17966  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

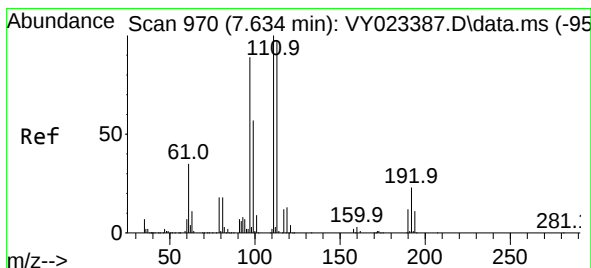
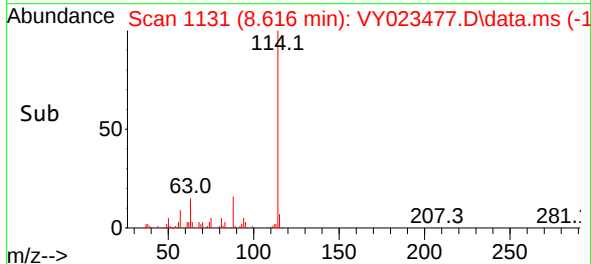
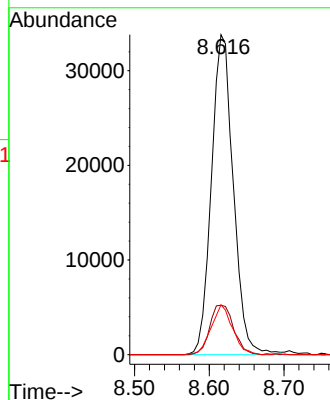
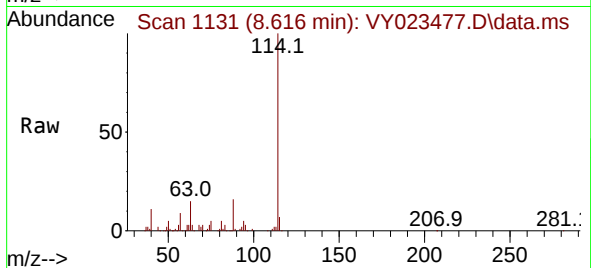
RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023477.D

Acq: 15 Oct 2025 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 68855 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 15.4  | 0.0   | 34.2  |
| 88       | 15.6  | 0.0   | 28.4  |



#35

Dibromofluoromethane

Concen: 55.058 ug/l

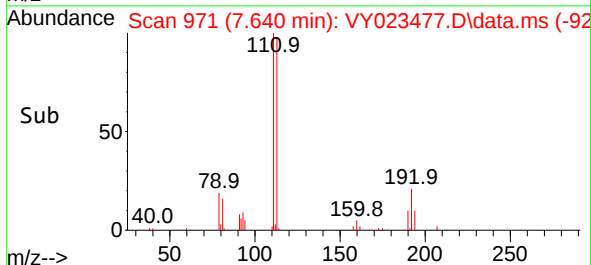
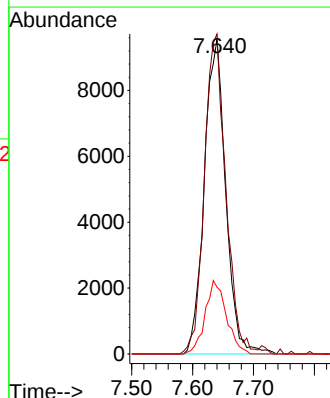
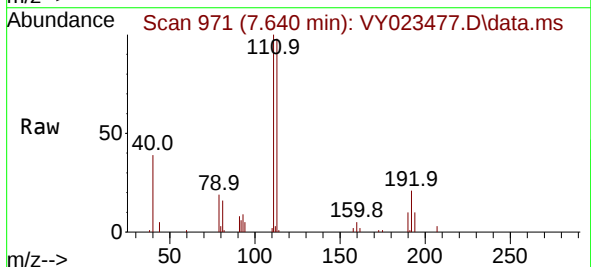
RT: 7.640 min Scan# 971

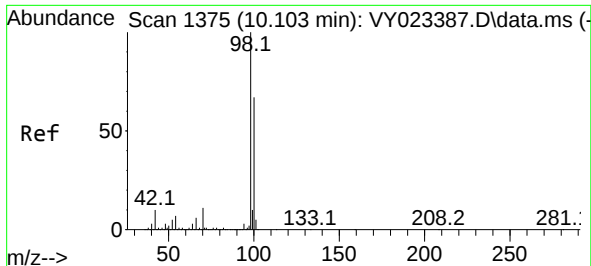
Delta R.T. 0.006 min

Lab File: VY023477.D

Acq: 15 Oct 2025 15:05

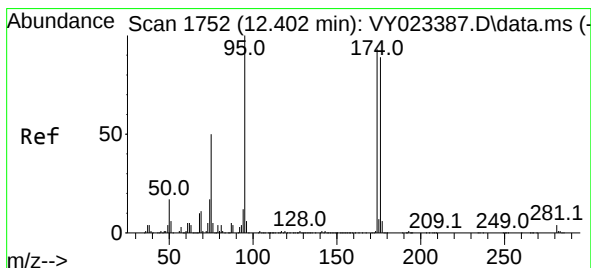
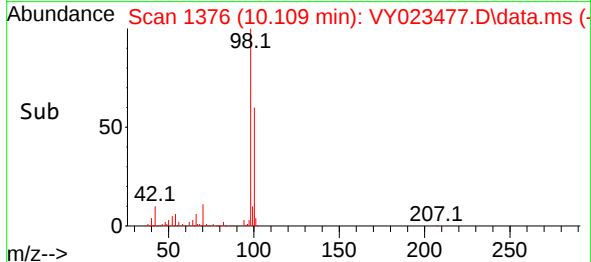
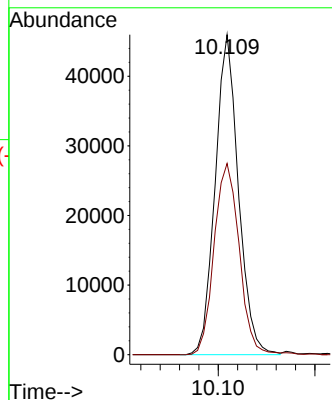
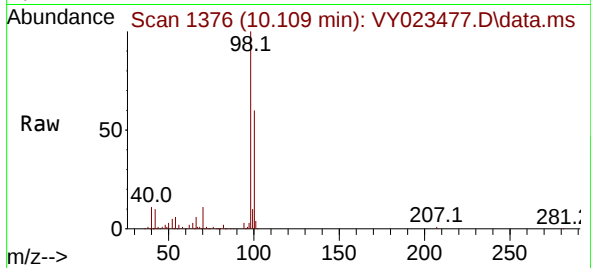
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 23294 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.8 | 81.8  | 122.6 |
| 192      | 23.1  | 18.0  | 27.0  |





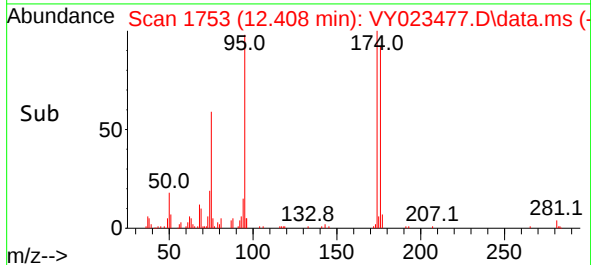
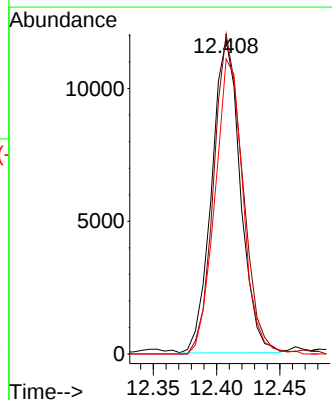
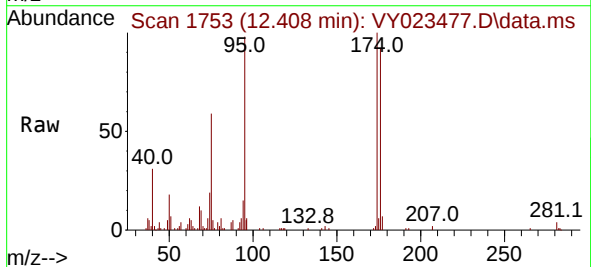
#50  
Toluene-d8  
Concen: 48.643 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

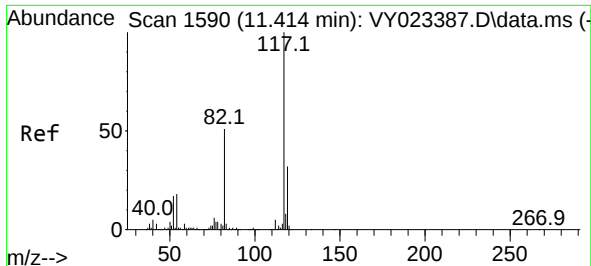
Tgt Ion: 98 Resp: 76642  
Ion Ratio Lower Upper  
98 100  
100 64.7 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 35.866 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

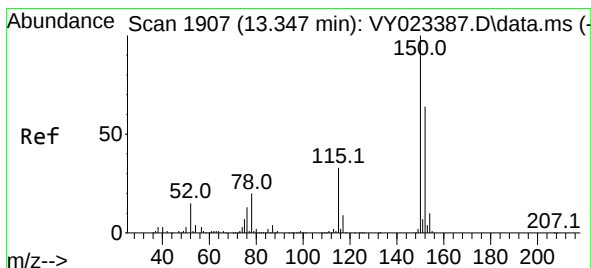
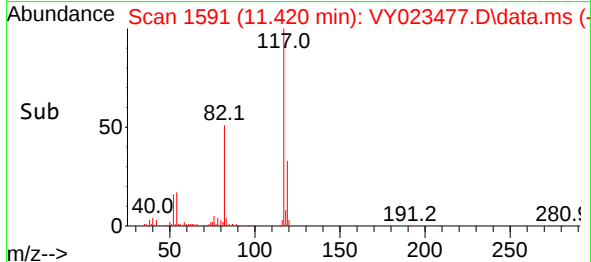
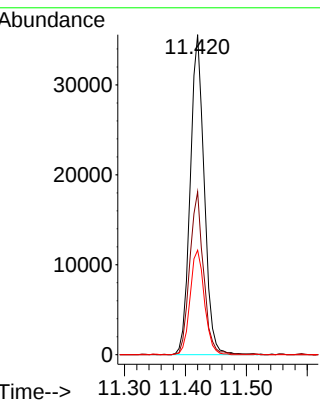
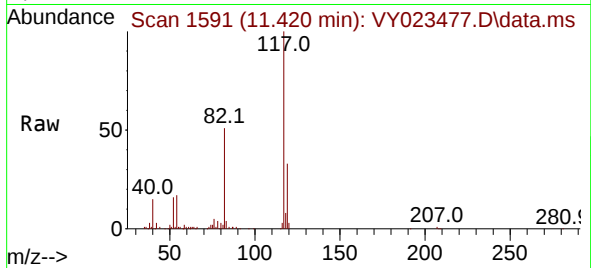
Tgt Ion: 95 Resp: 18657  
Ion Ratio Lower Upper  
95 100  
174 102.1 0.0 192.8  
176 92.3 0.0 187.6





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 56907 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 50.9  | 41.0  | 61.4  |
| 119       | 32.7  | 25.6  | 38.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY023477.D  
Acq: 15 Oct 2025 15:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 21615 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 57.5  | 27.1  | 81.2  |
| 150       | 153.4 | 0.0   | 347.4 |

