

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040225\  
 Data File : VY021754.D  
 Acq On : 02 Apr 2025 12:58  
 Operator : SY/MD  
 Sample : Q1688-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-040125

Quant Time: Apr 03 03:35:34 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 36162    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 48682    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 32568    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 7425     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 11880    | 30.321   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 60.640% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 15557    | 49.263   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.520% |
| 50) Toluene-d8              | 10.103 | 98    | 54432    | 45.308   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 90.620% |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 9676     | 23.811   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 47.620% |

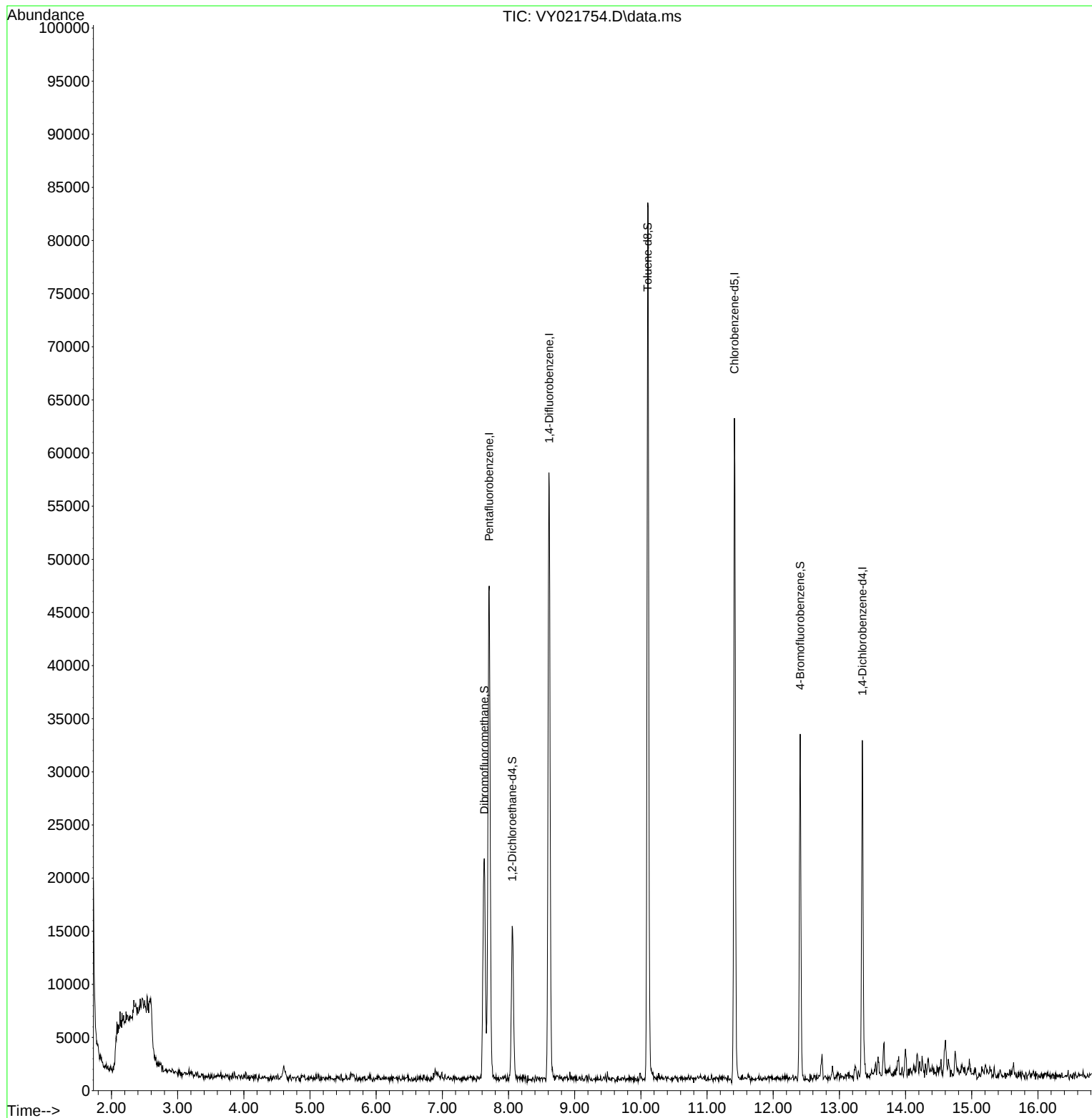
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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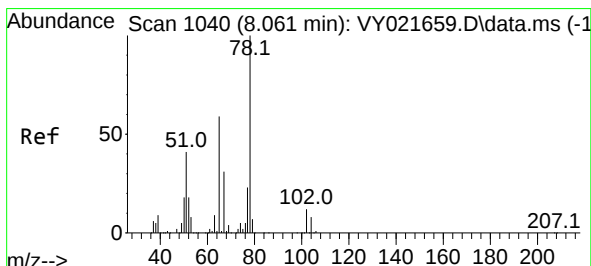
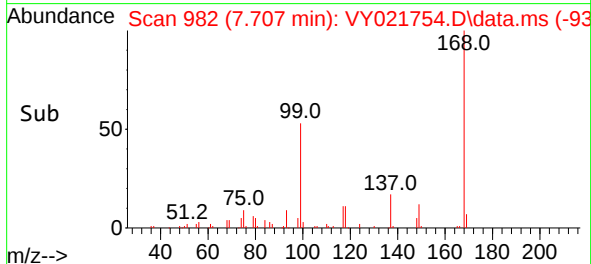
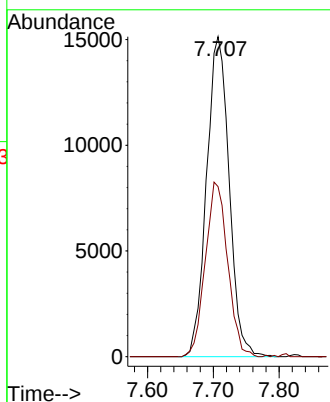
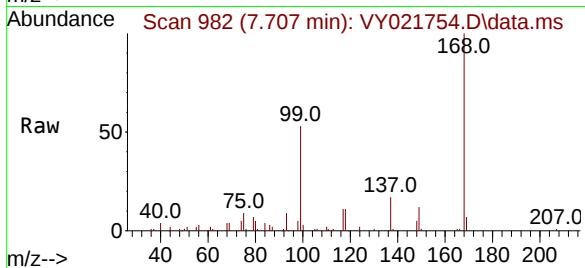




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

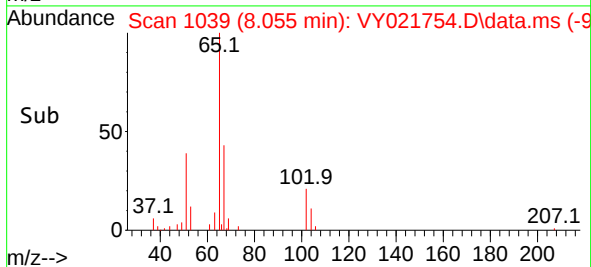
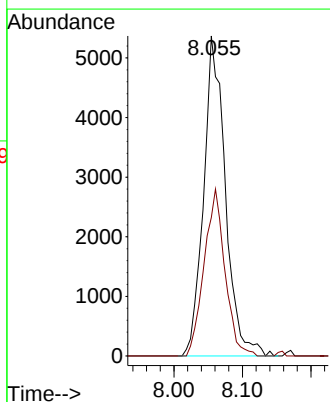
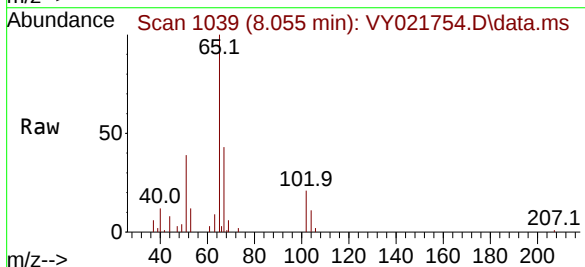
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-040125

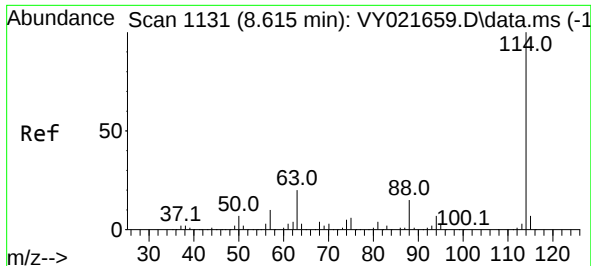
Tgt Ion:168 Resp: 36162  
Ion Ratio Lower Upper  
168 100  
99 53.2 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 30.321 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

Tgt Ion: 65 Resp: 11880  
Ion Ratio Lower Upper  
65 100  
67 49.9 0.0 104.6

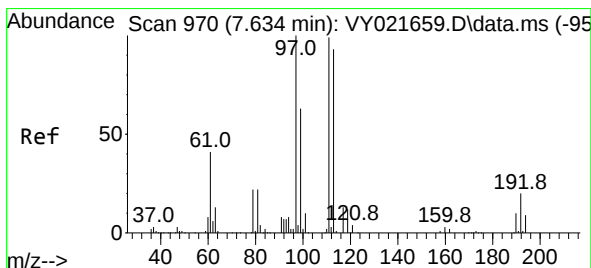
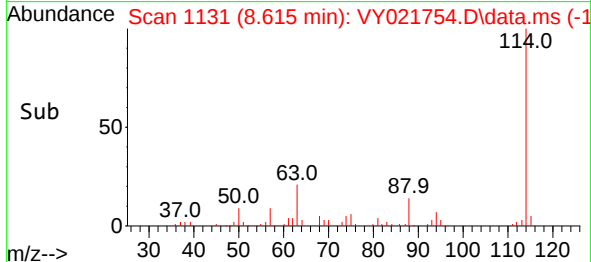
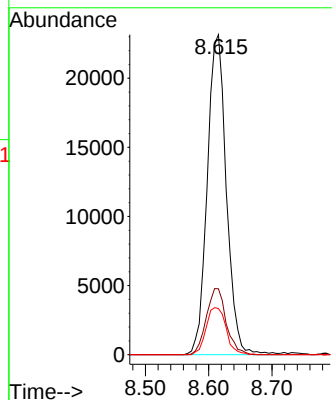
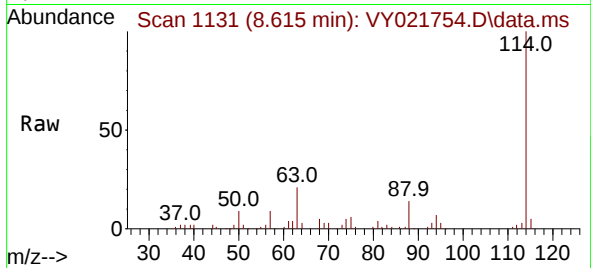




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

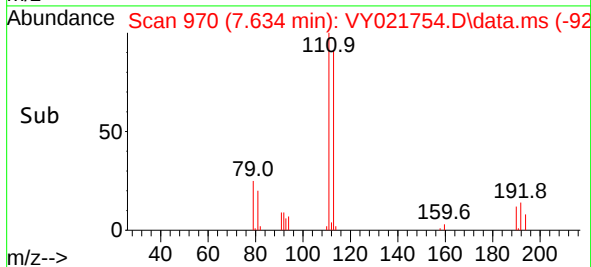
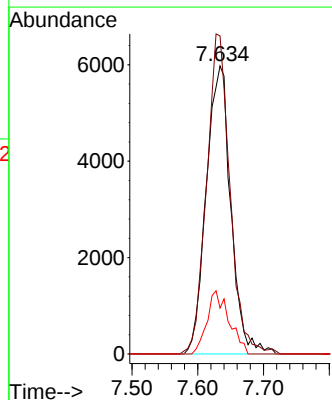
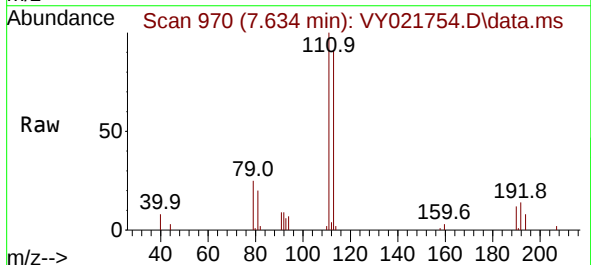
Instrument :  
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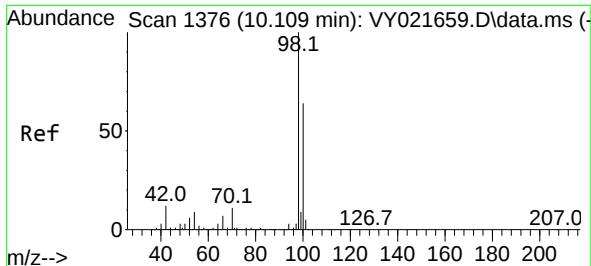
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 48682    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 20.6  | 0.0 40.2 |
| 88          | 14.4  | 0.0 29.8 |



#35  
Dibromofluoromethane  
Concen: 49.263 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 15557      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 105.3 | 82.6 123.8 |
| 192         | 19.7  | 16.2 24.4  |

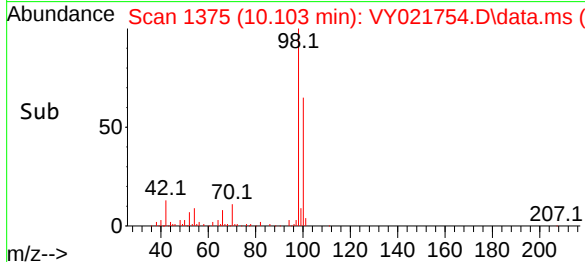
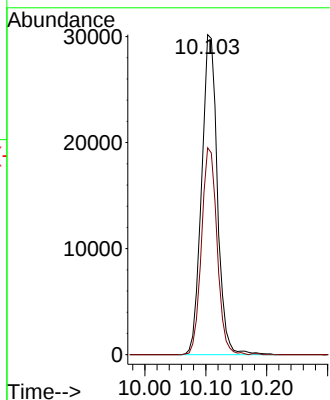
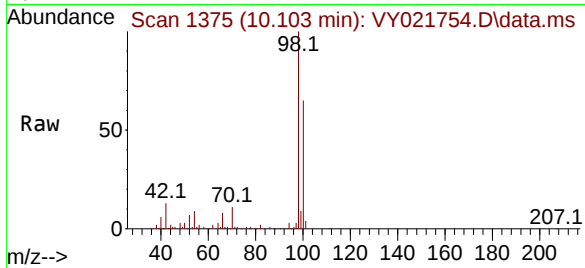




#50  
Toluene-d8  
Concen: 45.308 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

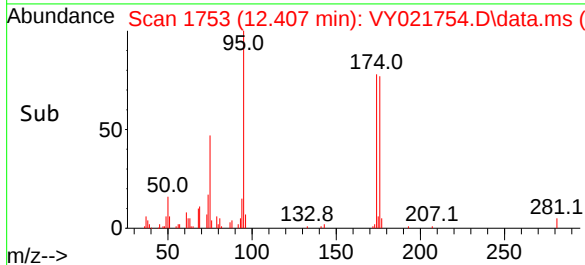
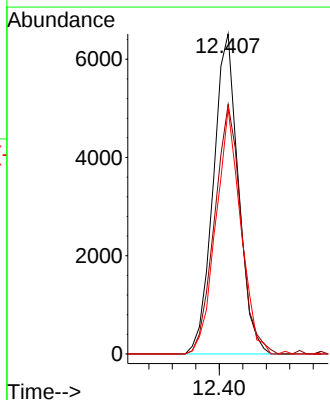
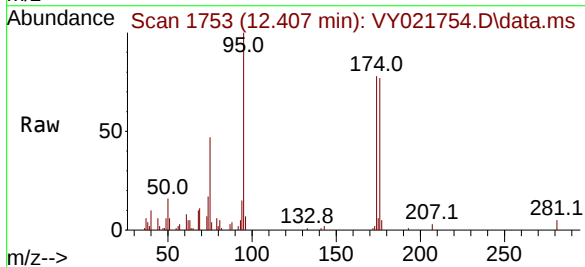
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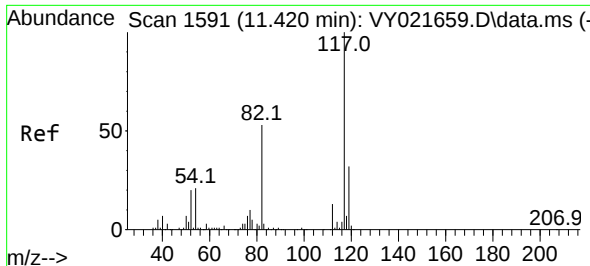
Tgt Ion: 98 Resp: 54432  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 23.811 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

Tgt Ion: 95 Resp: 9676  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 170.8  
176 75.9 0.0 162.0

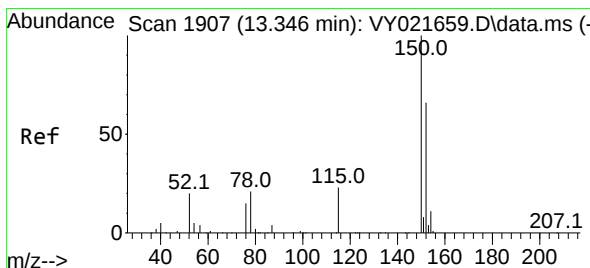
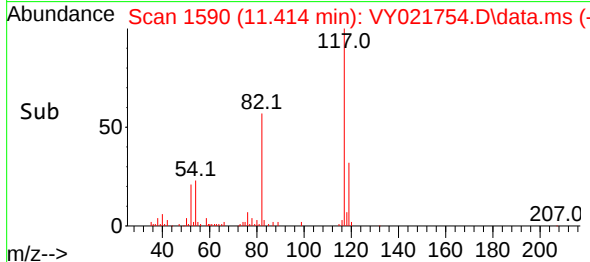
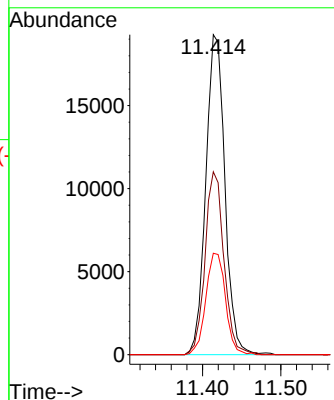
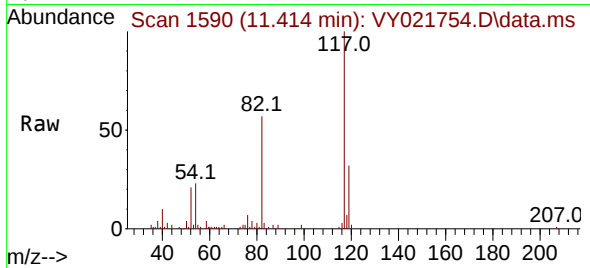




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 32568 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 57.2  | 42.8  | 64.2  |
| 119       | 31.7  | 25.7  | 38.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY021754.D  
Acq: 02 Apr 2025 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 7425  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 62.6  | 28.8  | 86.5  |
| 150       | 155.3 | 0.0   | 348.4 |

