

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061725\  
 Data File : VY022723.D  
 Acq On : 17 Jun 2025 14:48  
 Operator : SY/MD  
 Sample : Q2339-03  
 Misc : 4.91g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

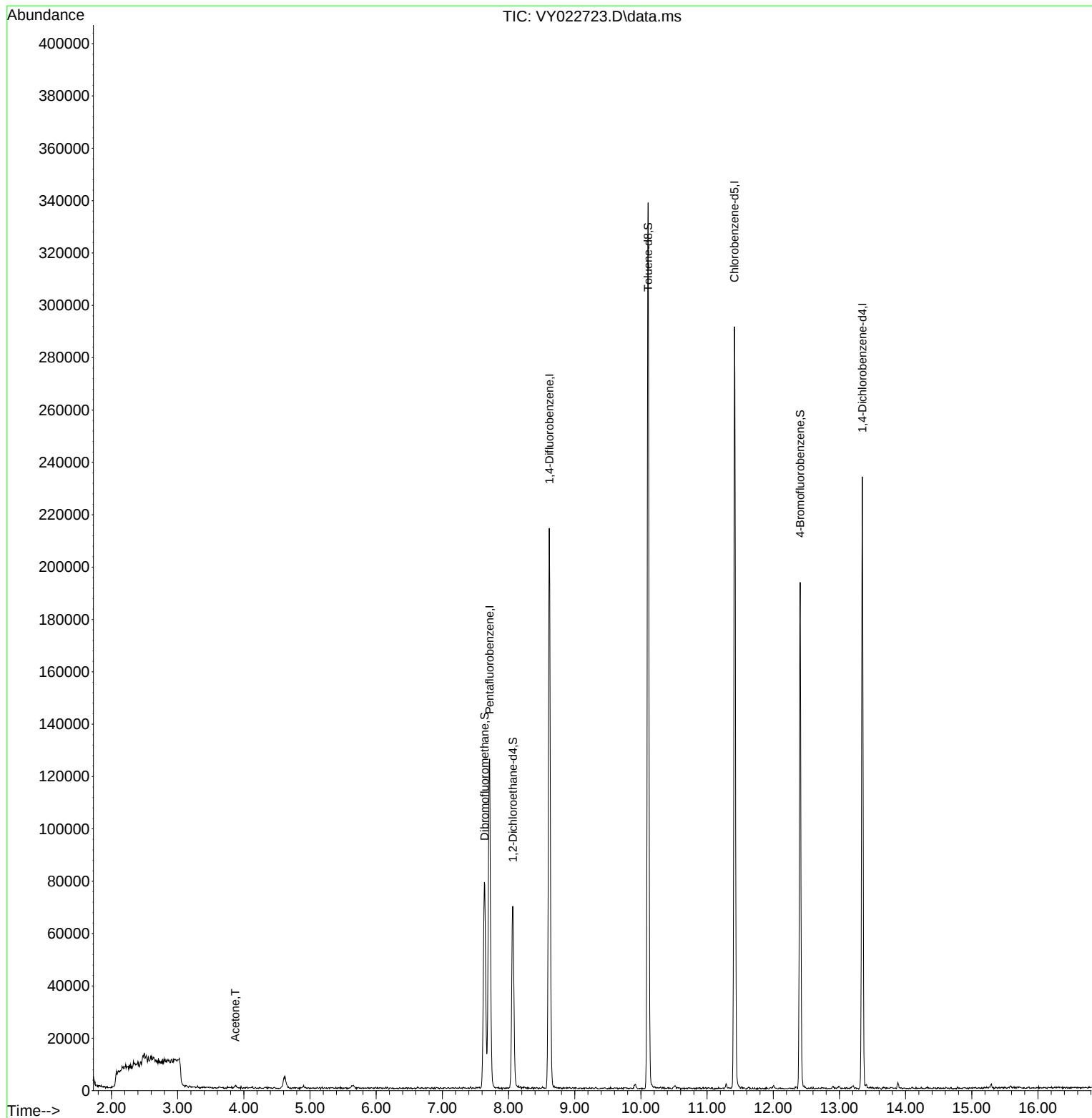
Quant Time: Jun 18 04:42:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

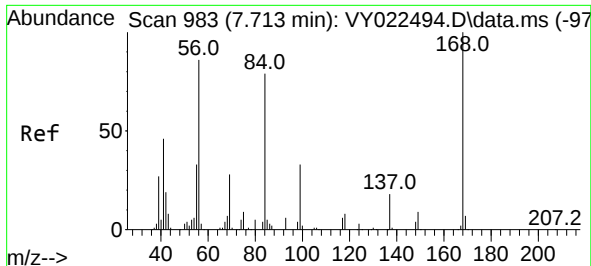
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 93828    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 175347   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 142656   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 53585    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 53680    | 51.152   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.300% |          |
| 35) Dibromofluoromethane    | 7.640  | 113   | 54147    | 51.736   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.480% |          |
| 50) Toluene-d8              | 10.109 | 98    | 214683   | 50.765   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.520% |          |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 51035    | 40.503   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 81.000%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 3.872  | 43    | 1444     | 6.775    | ug/l       | # 70     |
| -----                       |        |       |          |          |            |          |

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

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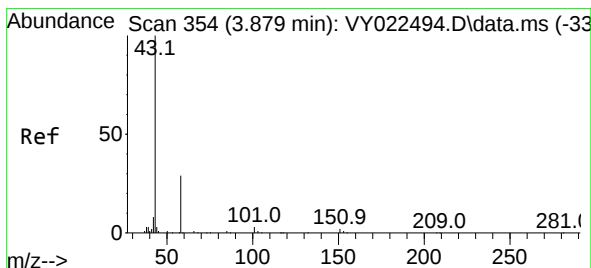
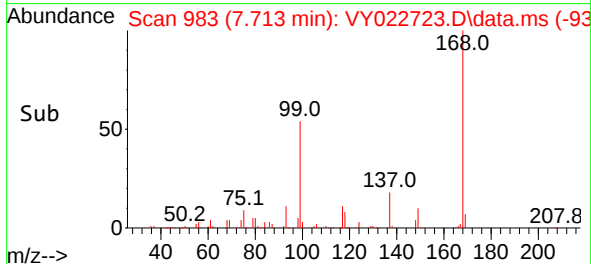
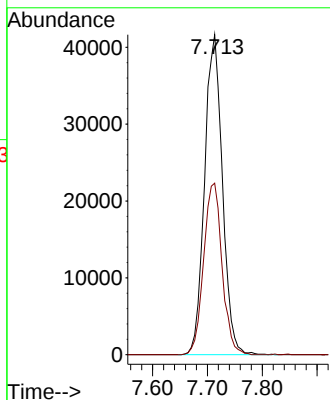
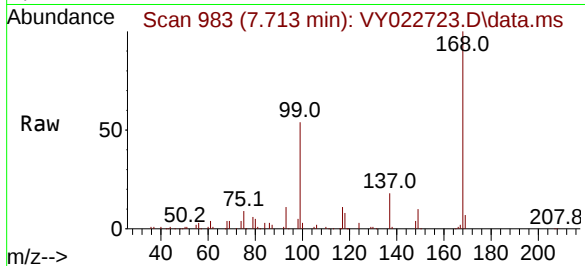
Quant Time: Jun 18 04:42:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 10 15:26:14 2025  
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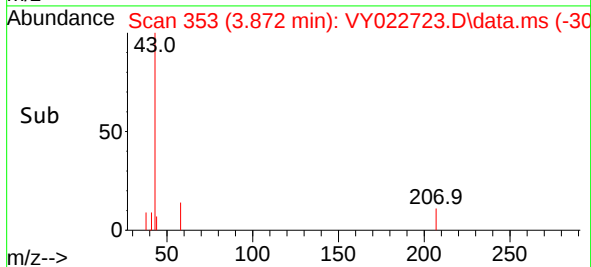
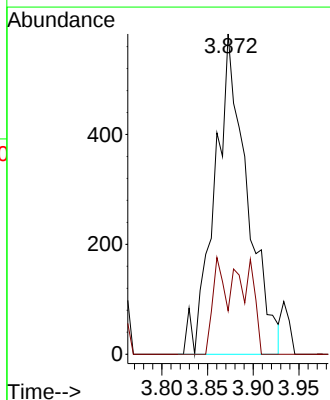
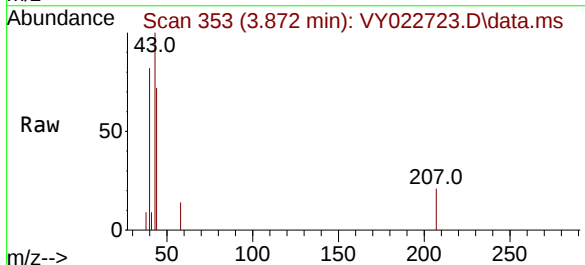
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

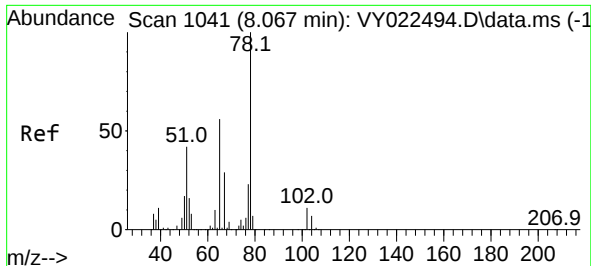
Tgt Ion:168 Resp: 93828  
Ion Ratio Lower Upper  
168 100  
99 53.6 44.3 66.5



#16  
Acetone  
Concen: 6.775 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

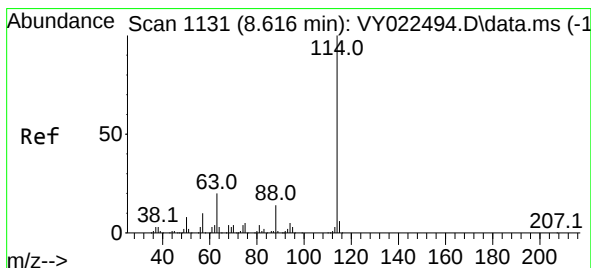
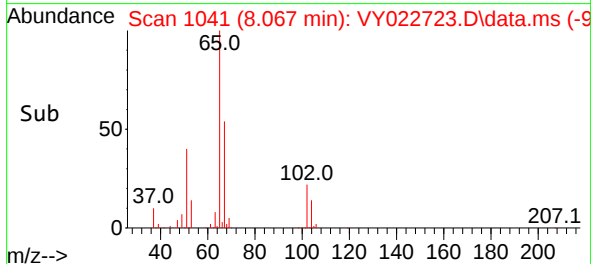
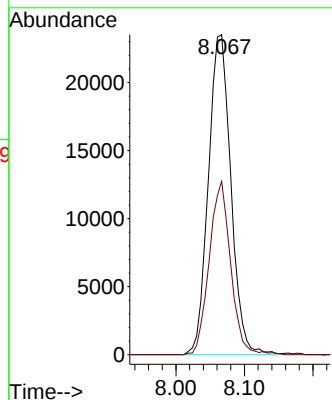
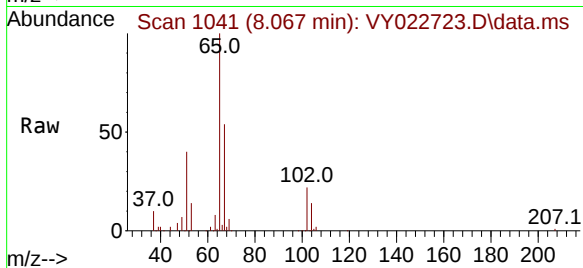
Tgt Ion: 43 Resp: 1444  
Ion Ratio Lower Upper  
43 100  
58 13.6 24.0 36.0#





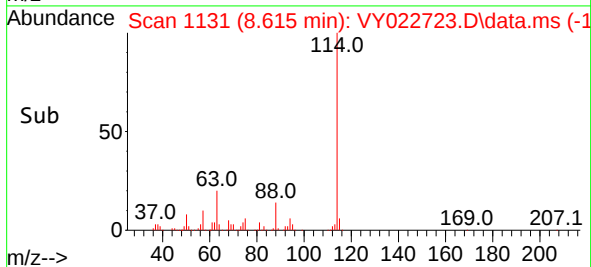
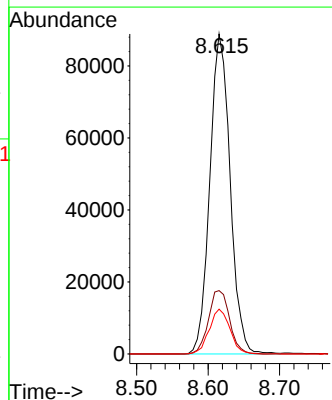
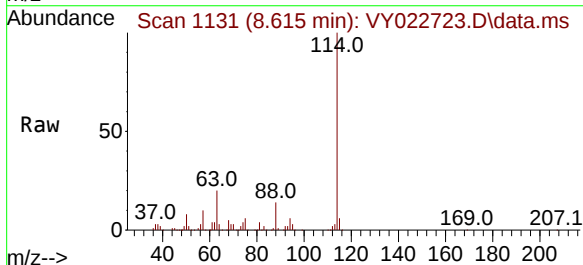
#33  
1,2-Dichloroethane-d4  
Concen: 51.152 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

Tgt Ion: 65 Resp: 53680  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

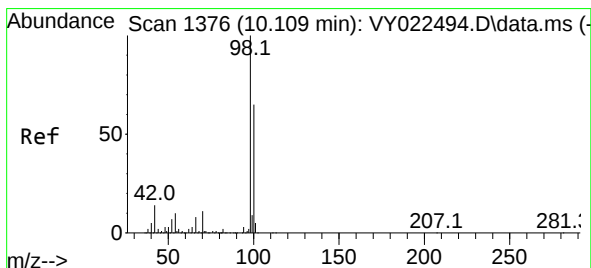
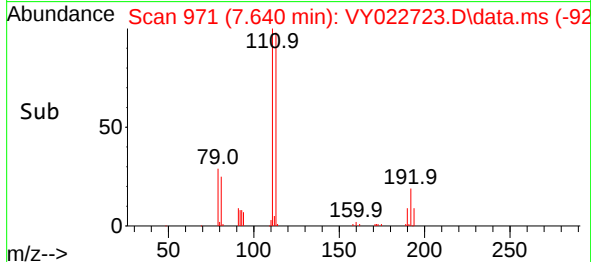
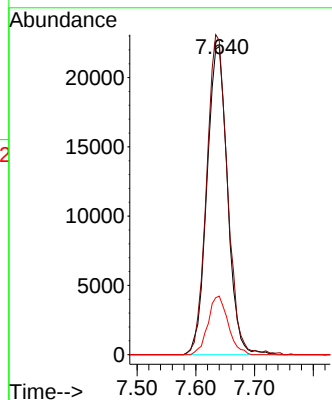
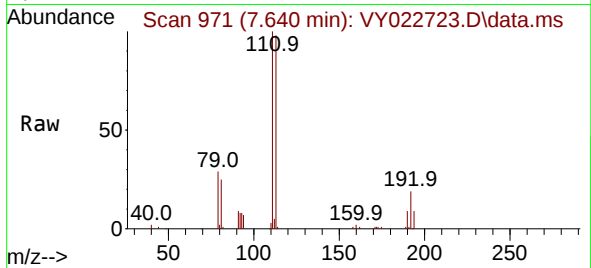
Tgt Ion: 114 Resp: 175347  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 40.8  
88 14.0 0.0 27.8





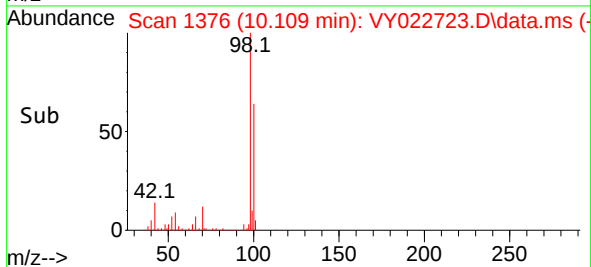
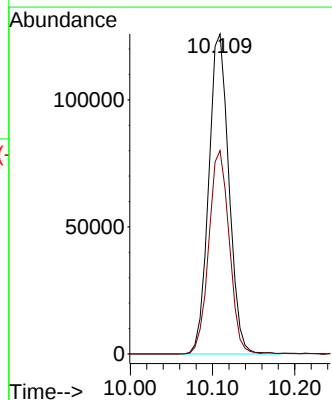
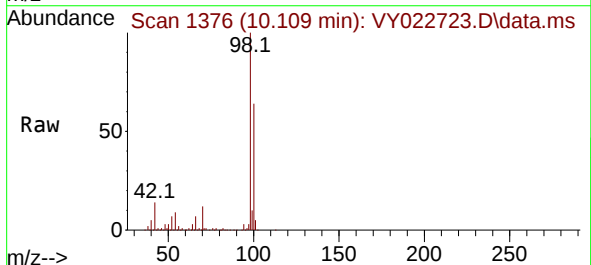
#35  
Dibromofluoromethane  
Concen: 51.736 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

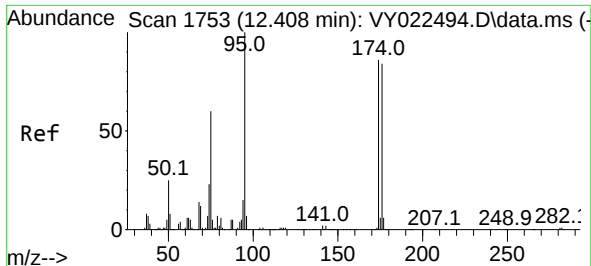
Tgt Ion:113 Resp: 54147  
Ion Ratio Lower Upper  
113 100  
111 104.9 81.1 121.7  
192 18.6 14.2 21.2



#50  
Toluene-d8  
Concen: 50.765 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

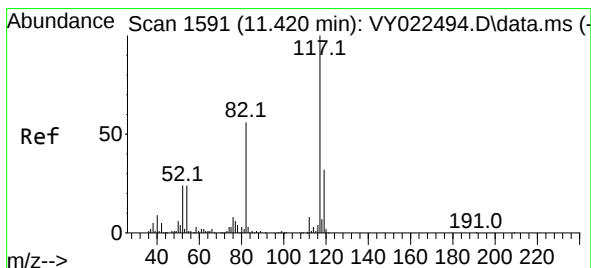
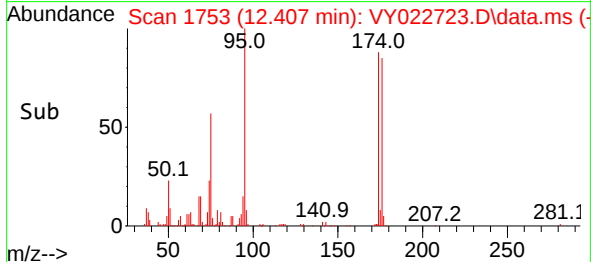
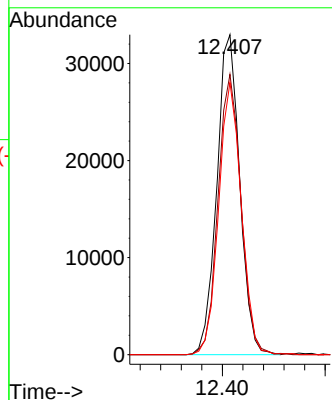
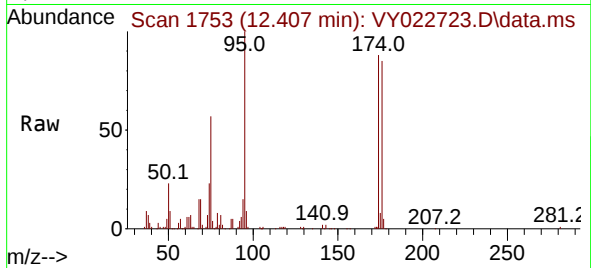
Tgt Ion: 98 Resp: 214683  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.4 77.0





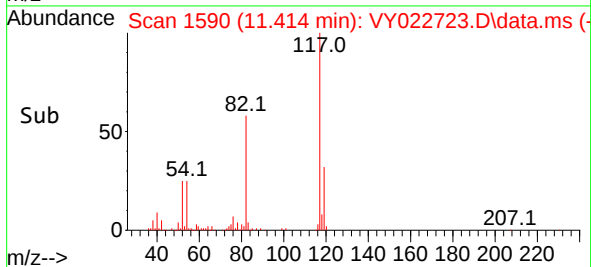
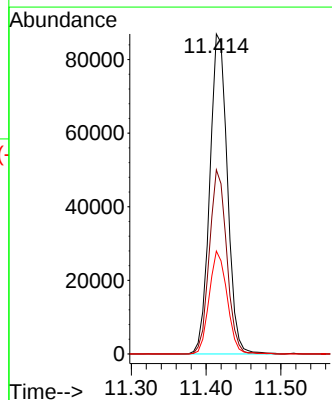
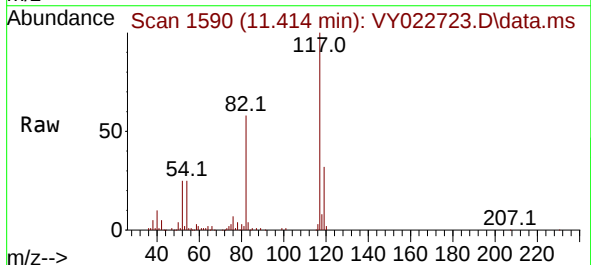
#62  
4-Bromofluorobenzene  
Concen: 40.503 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022723.D  
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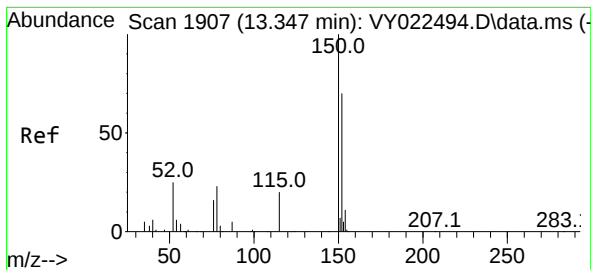
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 51035 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 87.7  | 0.0   | 170.0 |
| 176       | 84.0  | 0.0   | 166.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022723.D  
Acq: 17 Jun 2025 14:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 142656 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.5  | 44.6  | 66.8   |
| 119       | 32.1  | 25.4  | 38.0   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY022723.D  
 Acq: 17 Jun 2025 14:48

Tgt Ion:152 Resp: 53585  
 Ion Ratio Lower Upper  
 152 100  
 115 55.4 28.9 86.7  
 150 152.5 0.0 349.6

