

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061625\  
 Data File : VY022703.D  
 Acq On : 16 Jun 2025 12:56  
 Operator : SY/MD  
 Sample : Q2323-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-01-06132025

Quant Time: Jun 17 05:53:54 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

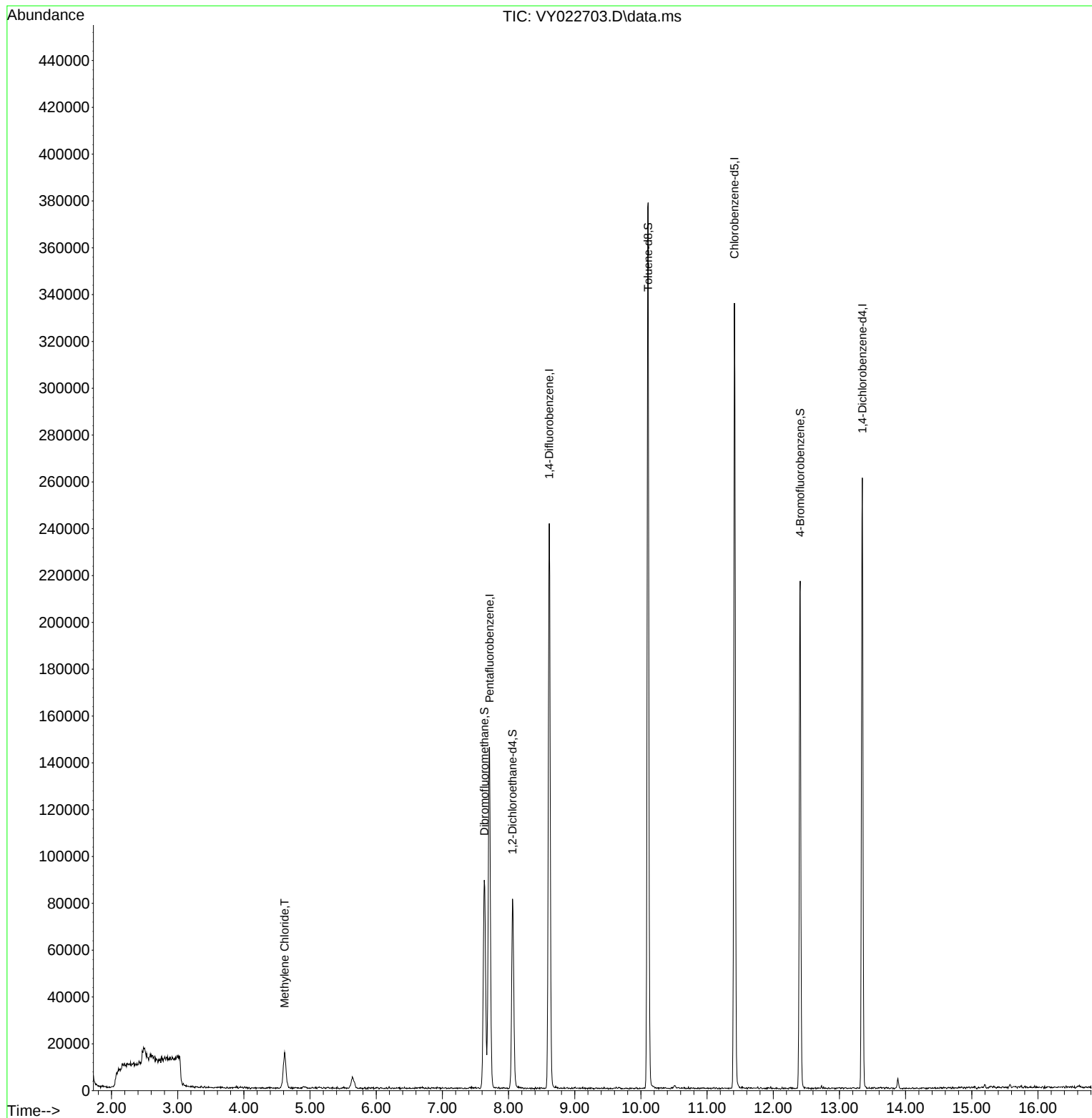
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 108912   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.615  | 114   | 201472   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 164248   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 61653    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 61311    | 50.332   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.660% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 62226    | 51.745   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.500% |          |
| 50) Toluene-d8              | 10.109 | 98    | 241263   | 49.652   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 99.300%  |          |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 61190    | 42.266   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 84.540%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.616  | 84    | 10310    | 7.337    | ug/l       | 86       |
| -----                       |        |       |          |          |            |          |

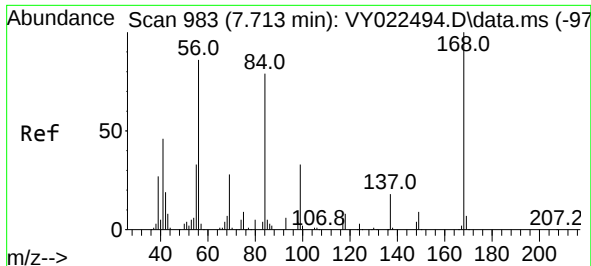
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061625\  
Data File : VY022703.D  
Acq On : 16 Jun 2025 12:56  
Operator : SY/MD  
Sample : Q2323-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-06132025

Quant Time: Jun 17 05:53:54 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

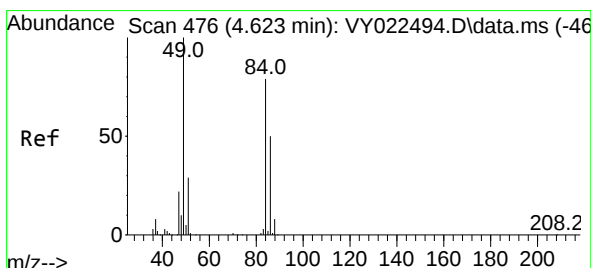
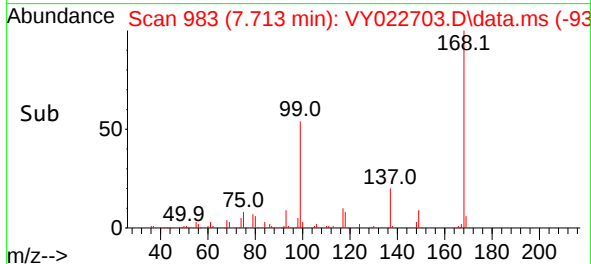
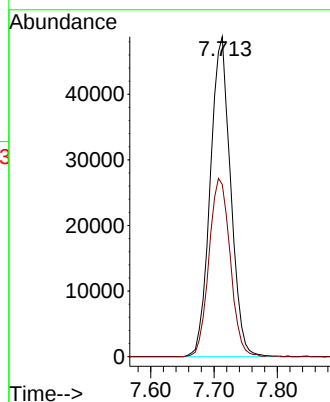
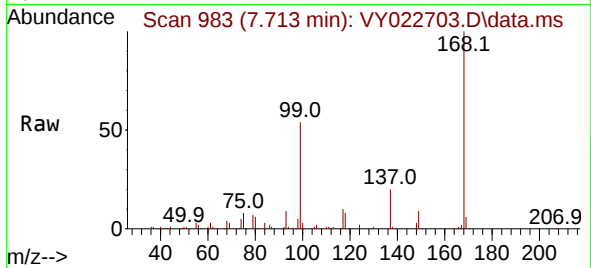




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

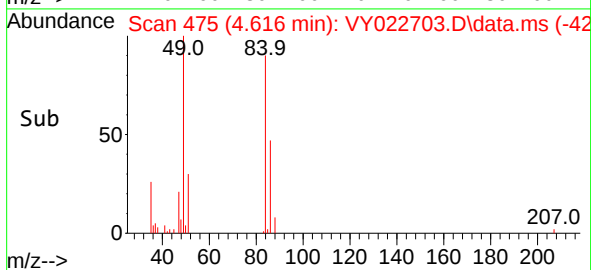
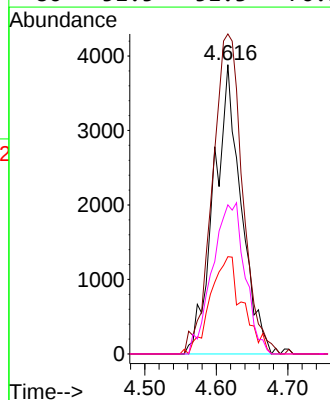
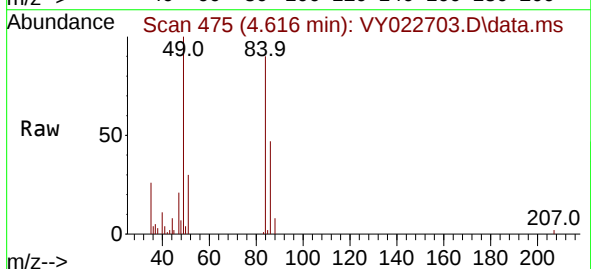
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-06132025

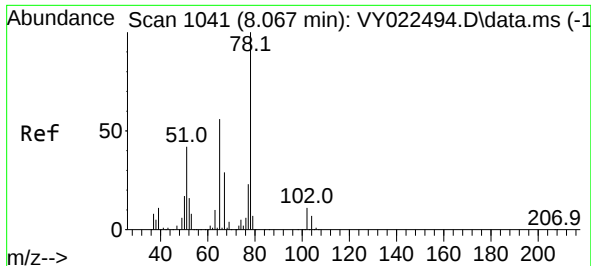
Tgt Ion:168 Resp: 108912  
Ion Ratio Lower Upper  
168 100  
99 53.8 44.3 66.5



#20  
Methylene Chloride  
Concen: 7.337 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

Tgt Ion: 84 Resp: 10310  
Ion Ratio Lower Upper  
84 100  
49 110.6 101.9 152.9  
51 33.6 29.8 44.8  
86 51.5 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.332 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022703.D

Acq: 16 Jun 2025 12:56

Instrument :

MSVOA\_Y

ClientSampleId :

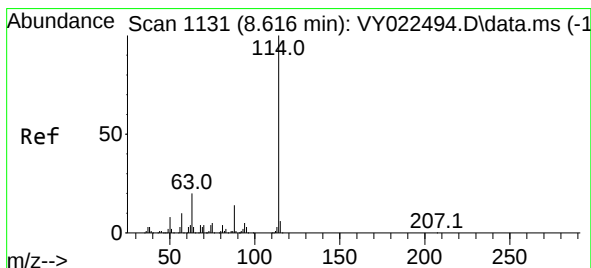
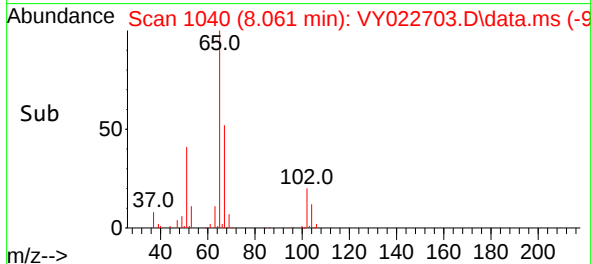
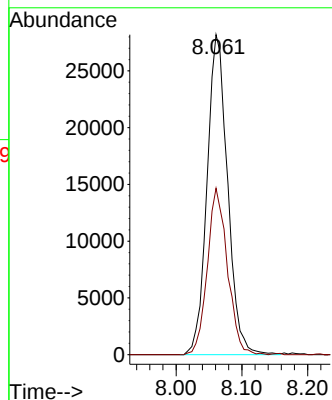
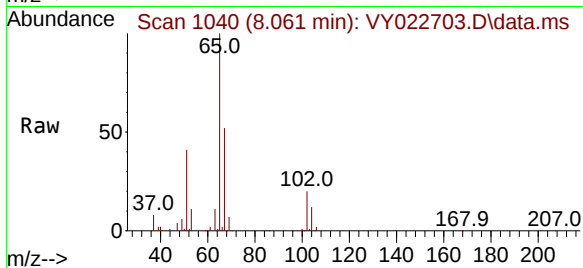
PL-01-06132025

Tgt Ion: 65 Resp: 61311

Ion Ratio Lower Upper

65 100

67 50.8 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: VY022703.D

Acq: 16 Jun 2025 12:56

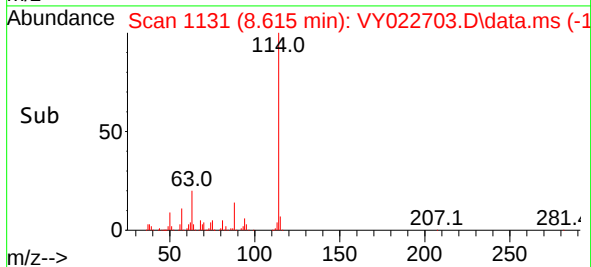
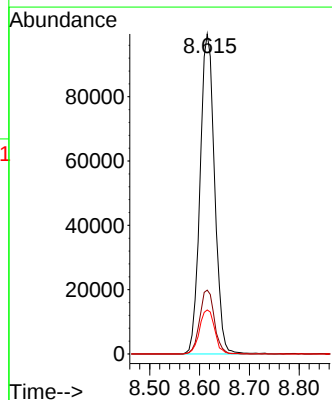
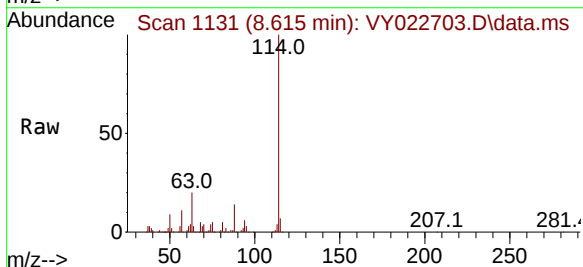
Tgt Ion:114 Resp: 201472

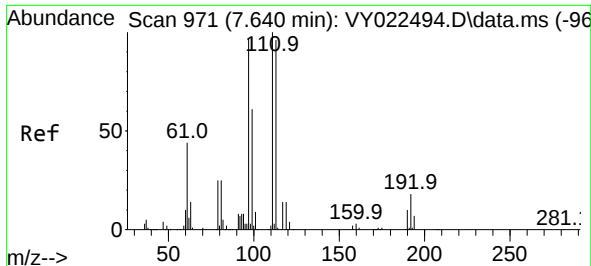
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 13.8 0.0 27.8

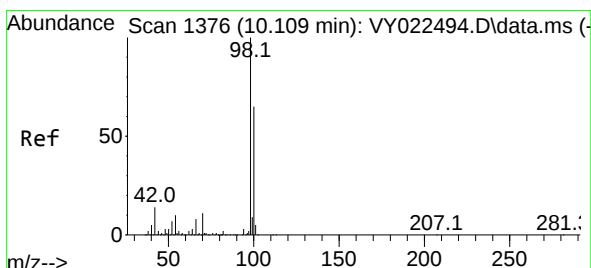
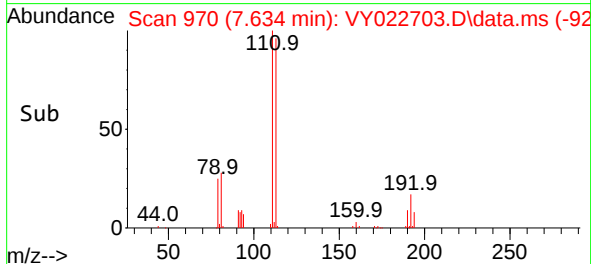
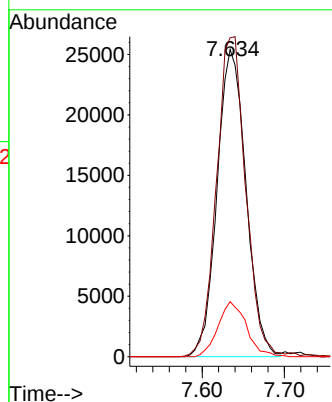
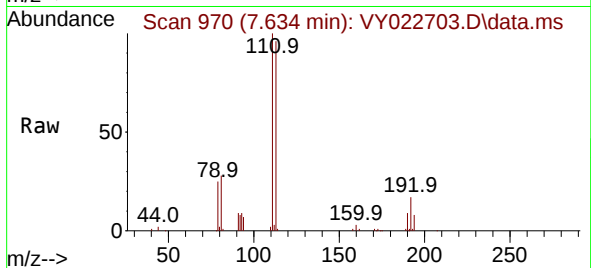




#35  
Dibromofluoromethane  
Concen: 51.745 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

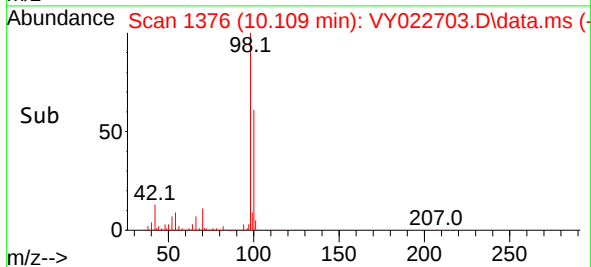
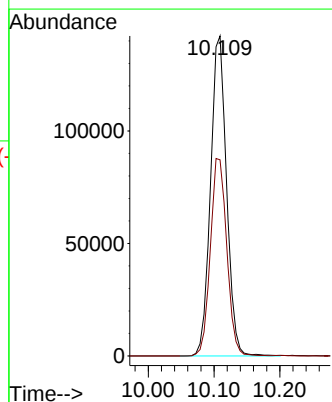
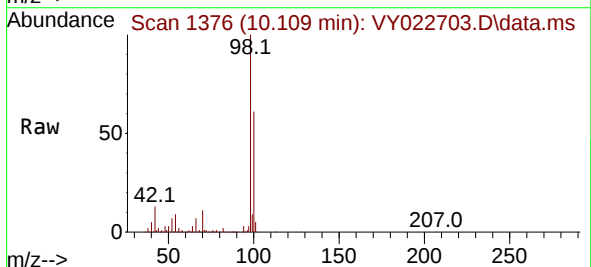
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-06132025

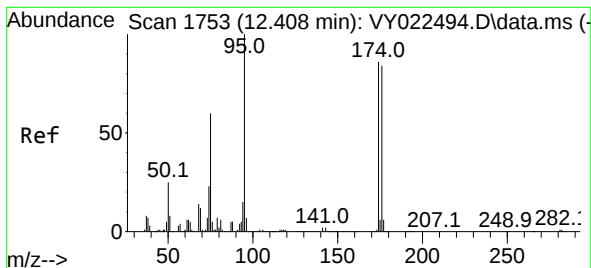
Tgt Ion:113 Resp: 62226  
Ion Ratio Lower Upper  
113 100  
111 105.5 81.1 121.7  
192 17.6 14.2 21.2



#50  
Toluene-d8  
Concen: 49.652 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

Tgt Ion: 98 Resp: 241263  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.4 77.0

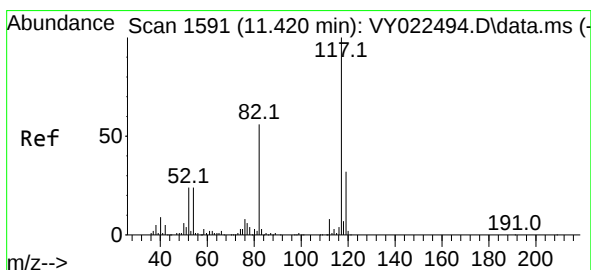
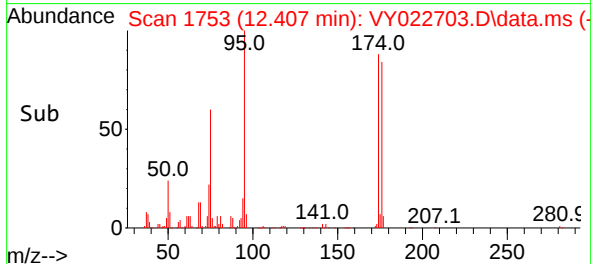
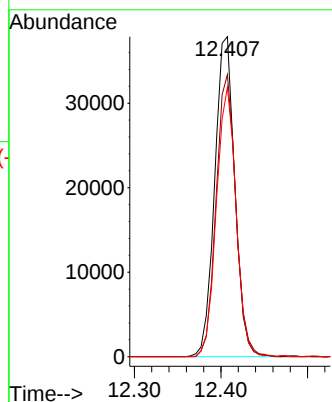
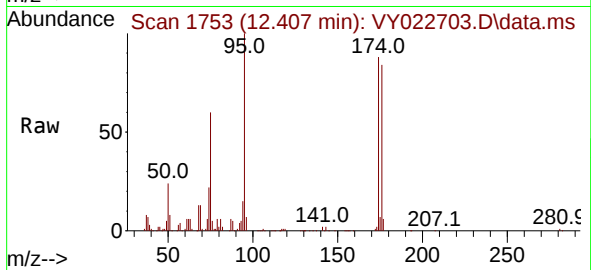




#62  
4-Bromofluorobenzene  
Concen: 42.266 ug/l  
RT: 12.407 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

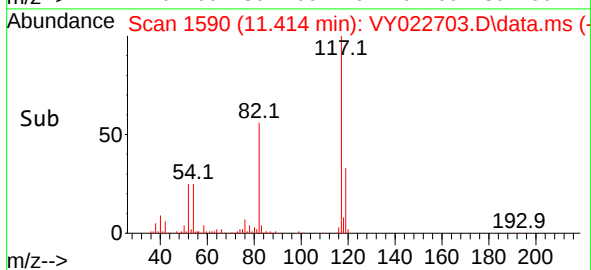
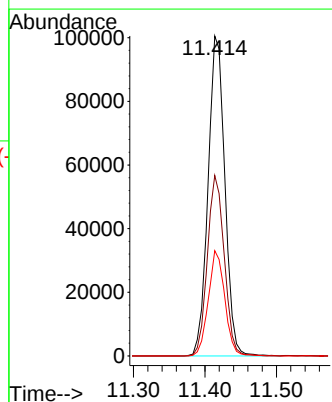
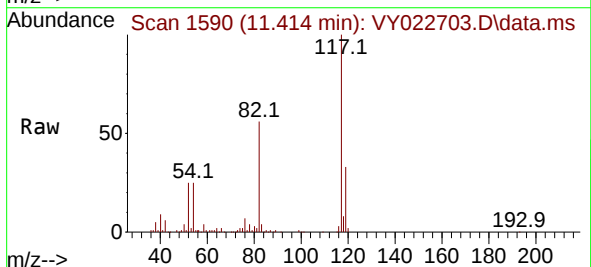
Instrument :  
MSVOA\_Y  
ClientSampleId :  
PL-01-06132025

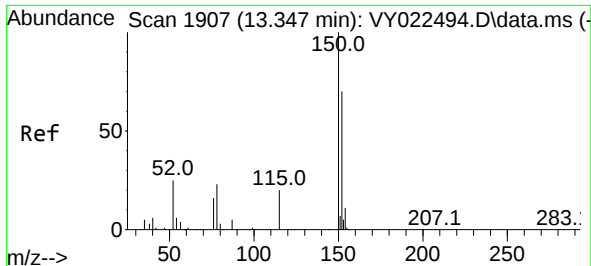
Tgt Ion: 95 Resp: 61190  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 170.0  
176 81.9 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022703.D  
Acq: 16 Jun 2025 12:56

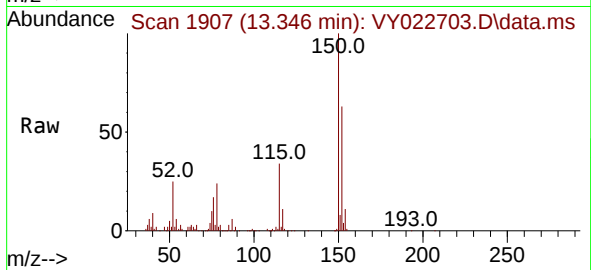
Tgt Ion: 117 Resp: 164248  
Ion Ratio Lower Upper  
117 100  
82 56.4 44.6 66.8  
119 32.9 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY022703.D  
 Acq: 16 Jun 2025 12:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PL-01-06132025



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 61653 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 56.3  | 28.9  | 86.7  |
| 150       | 157.3 | 0.0   | 349.6 |

