

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032725\  
 Data File : VY021679.D  
 Acq On : 27 Mar 2025 20:05  
 Operator : SY/MD  
 Sample : Q1648-03  
 Misc : 4.29g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-5

Quant Time: Mar 28 04:06:03 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

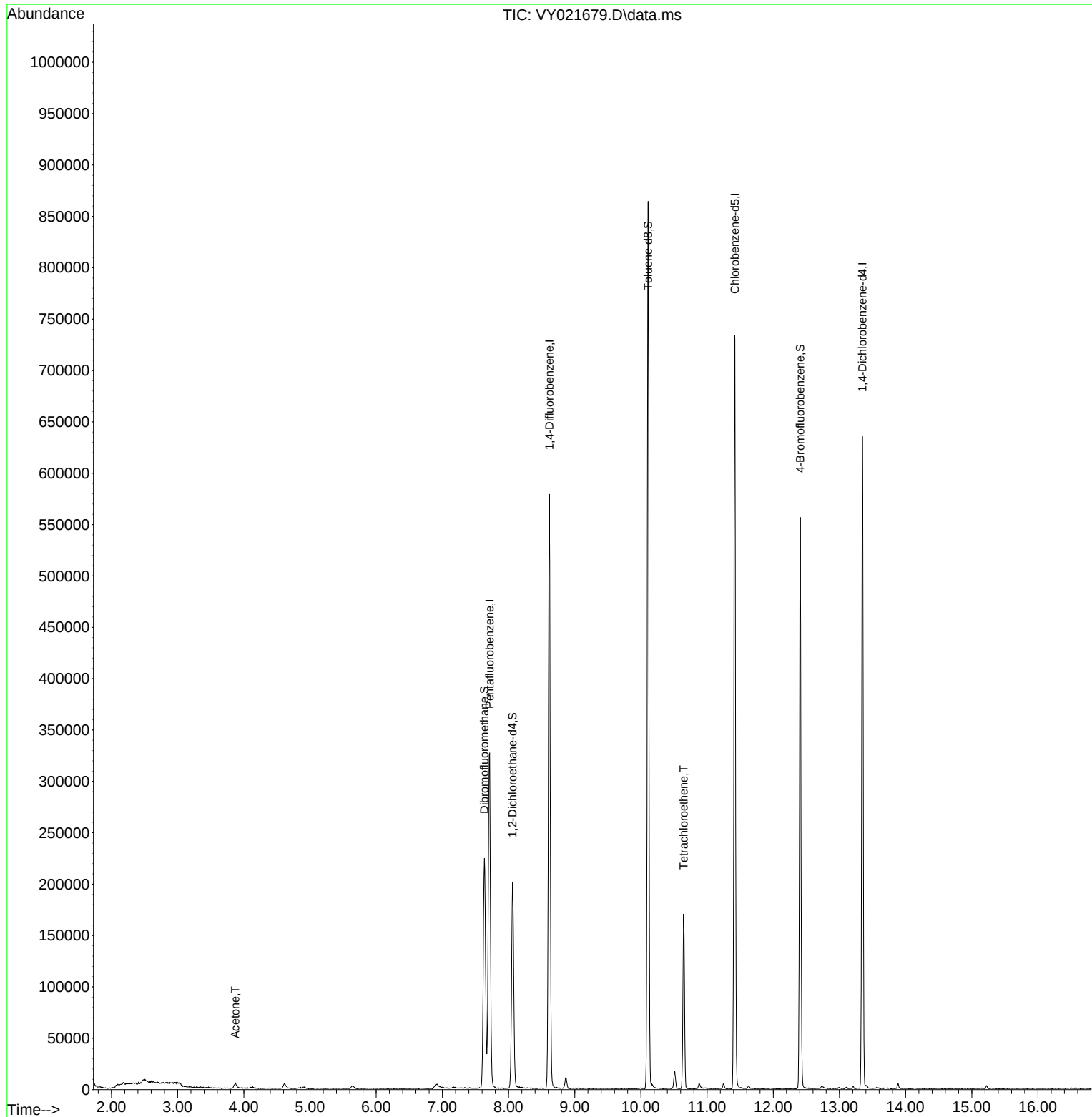
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 246693   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 464209   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 387179   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 154513   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 159415   | 59.642   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 119.280% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 159007   | 52.804   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.600% |
| 50) Toluene-d8              | 10.109 | 98    | 534885   | 46.692   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 93.380%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 160426   | 41.402   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 82.800%  |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 3.873  | 43    | 7891     | 14.425   | ug/l  | 98       |
| 64) Tetrachloroethene       | 10.646 | 164   | 34522    | 9.790    | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

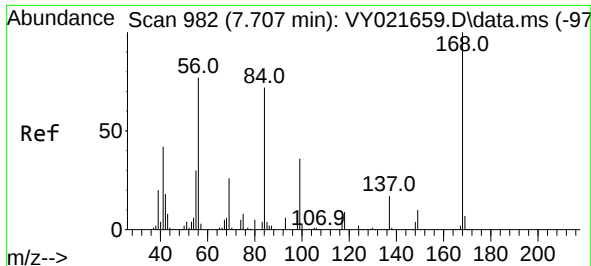
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032725\  
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ALS Vial : 25 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
TP-5

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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

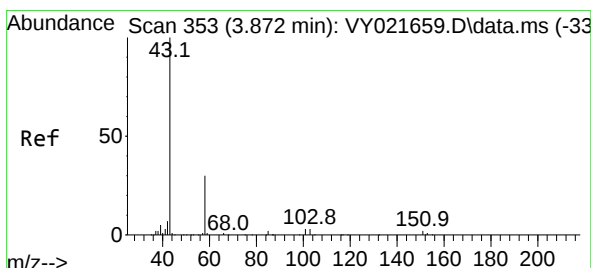
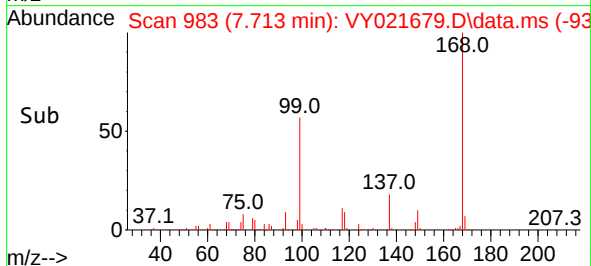
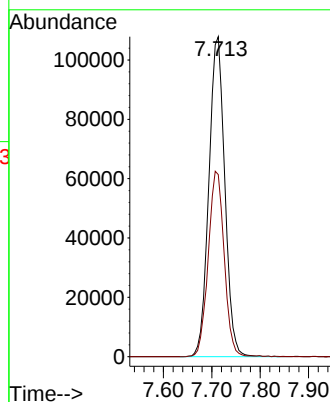
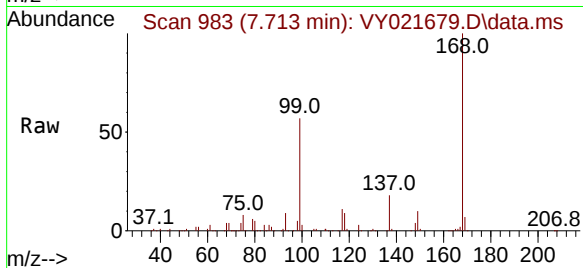




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

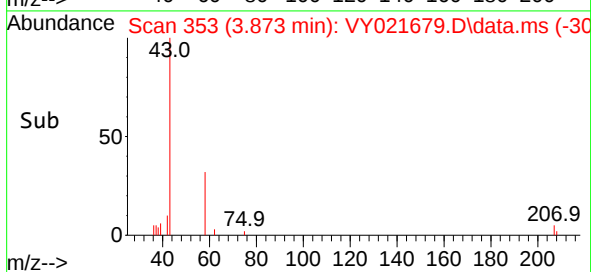
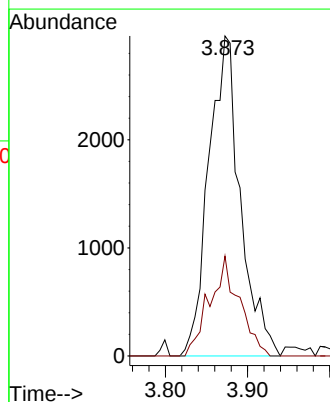
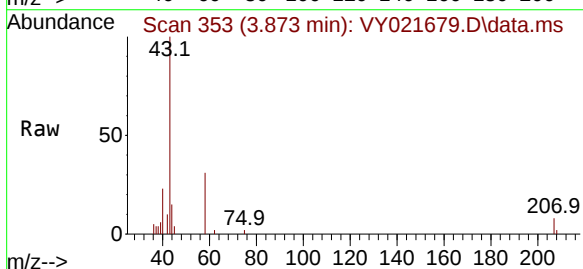
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5

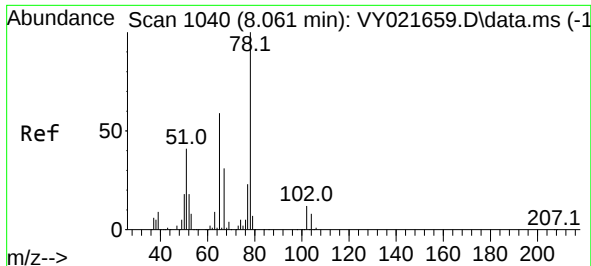
Tgt Ion:168 Resp: 246693  
Ion Ratio Lower Upper  
168 100  
99 56.9 46.7 70.1



#16  
Acetone  
Concen: 14.425 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

Tgt Ion: 43 Resp: 7891  
Ion Ratio Lower Upper  
43 100  
58 31.2 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 59.642 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA\_Y

ClientSampleId :

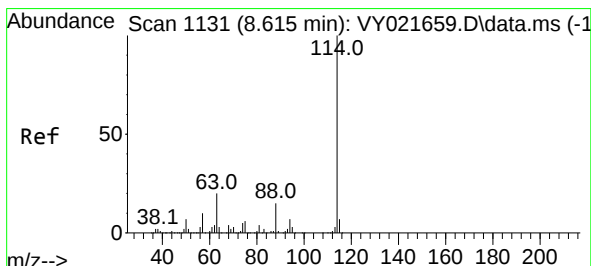
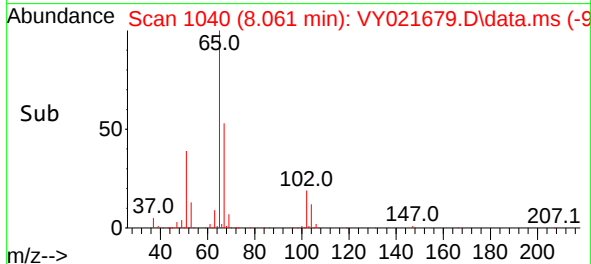
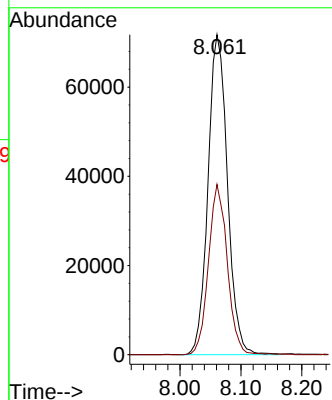
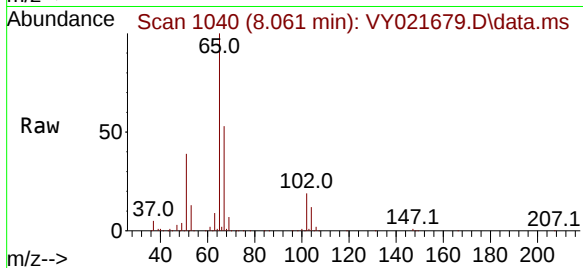
TP-5

Tgt Ion: 65 Resp: 159415

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

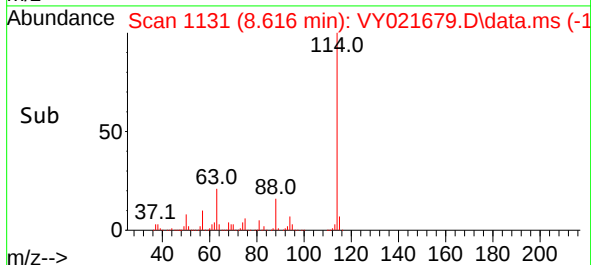
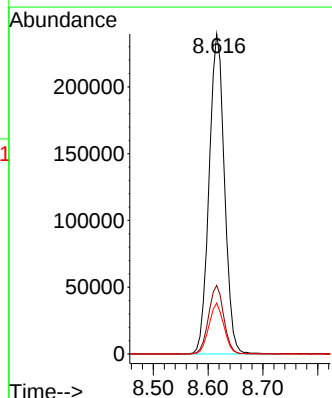
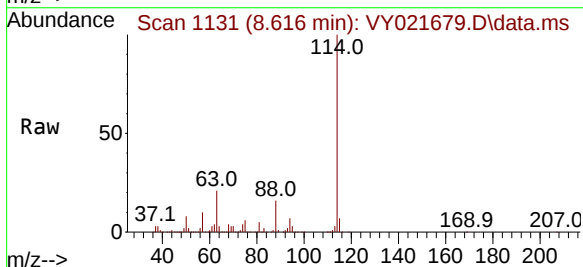
Tgt Ion: 114 Resp: 464209

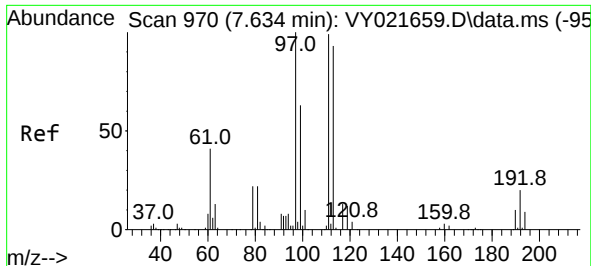
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.2

88 15.9 0.0 29.8

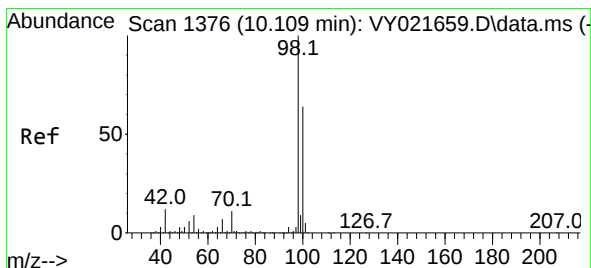
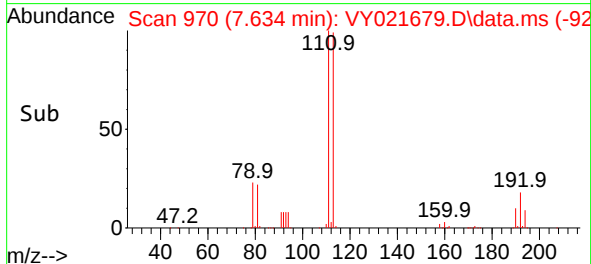
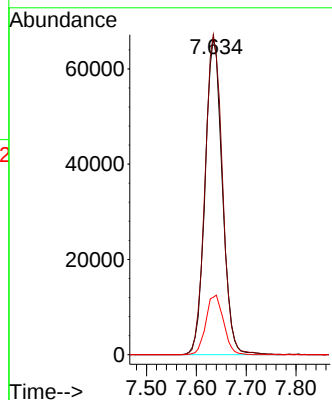
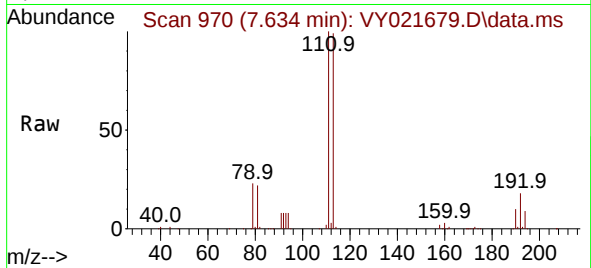




#35  
Dibromofluoromethane  
Concen: 52.804 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

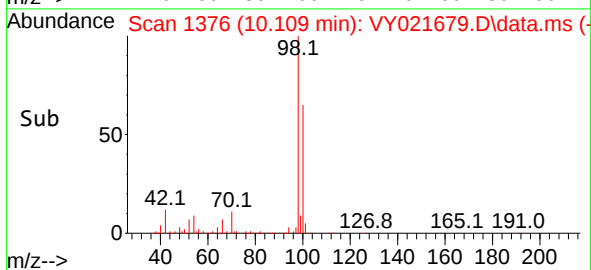
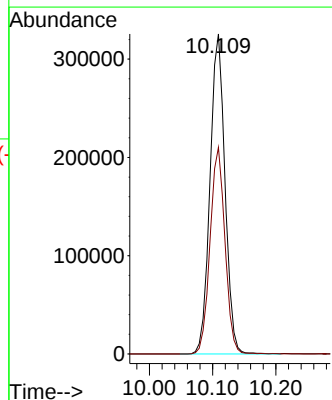
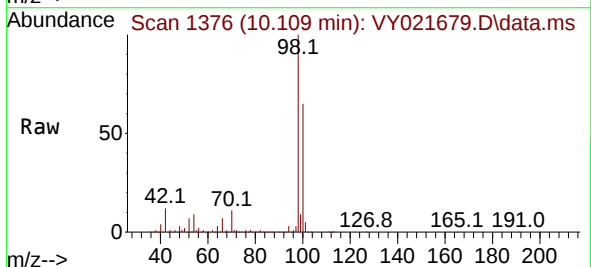
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5

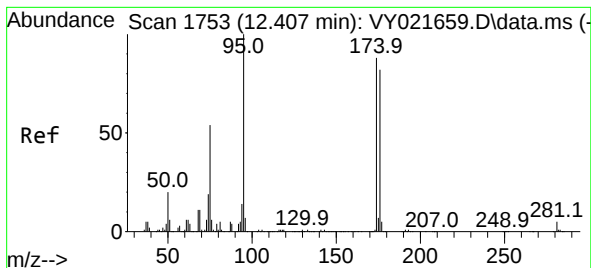
Tgt Ion:113 Resp: 159007  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.6 123.8  
192 19.4 16.2 24.4



#50  
Toluene-d8  
Concen: 46.692 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

Tgt Ion: 98 Resp: 534885  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.1 78.1

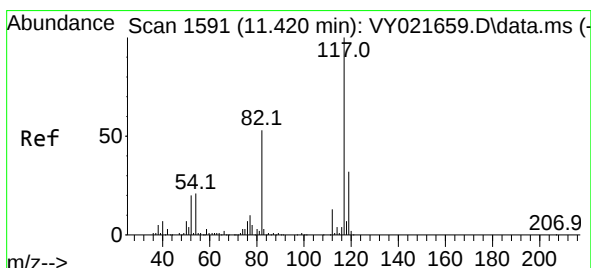
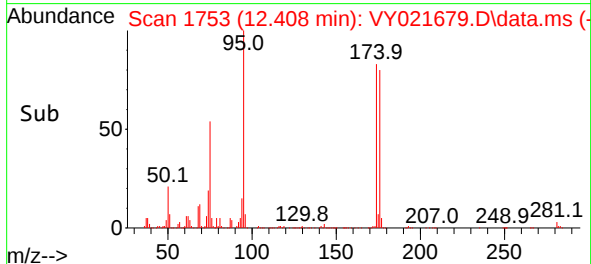
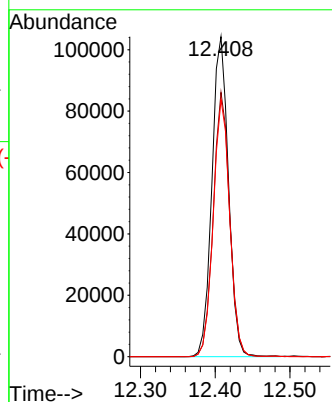
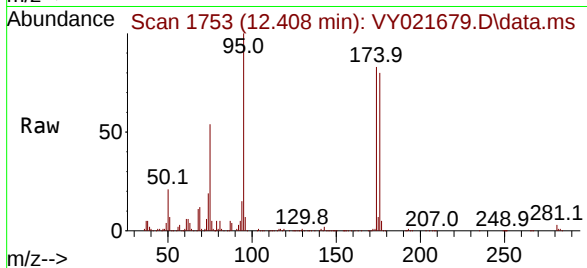




#62  
4-Bromofluorobenzene  
Concen: 41.402 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

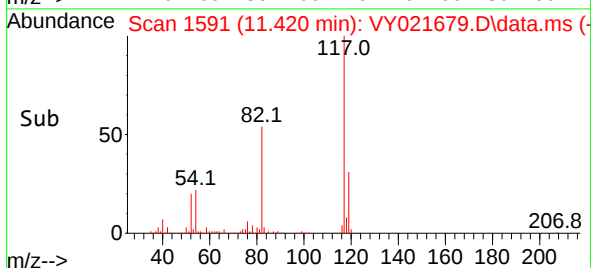
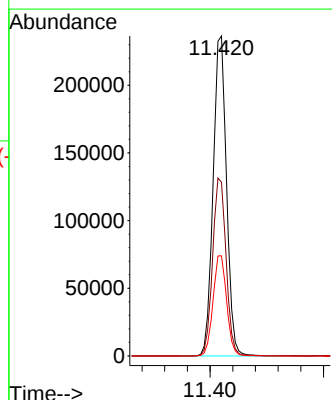
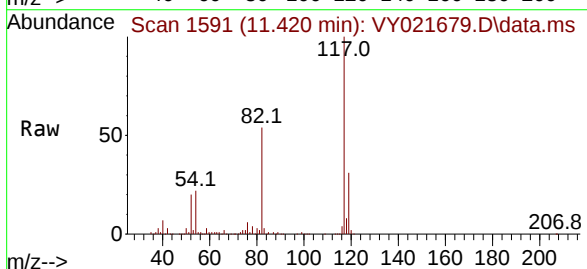
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5

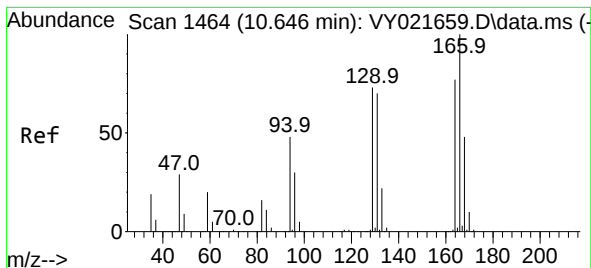
Tgt Ion: 95 Resp: 160426  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 170.8  
176 79.9 0.0 162.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.000 min  
Lab File: VY021679.D  
Acq: 27 Mar 2025 20:05

Tgt Ion: 117 Resp: 387179  
Ion Ratio Lower Upper  
117 100  
82 54.3 42.8 64.2  
119 31.3 25.7 38.5





#64

Tetrachloroethene

Concen: 9.790 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Instrument :

MSVOA\_Y

ClientSampleId :

TP-5

Tgt Ion:164 Resp: 34522

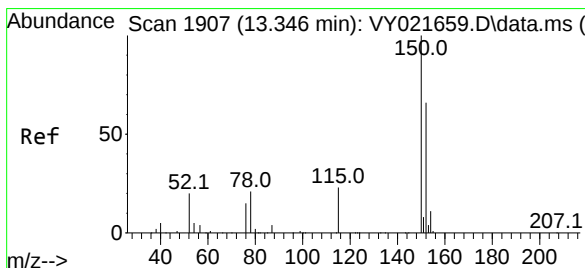
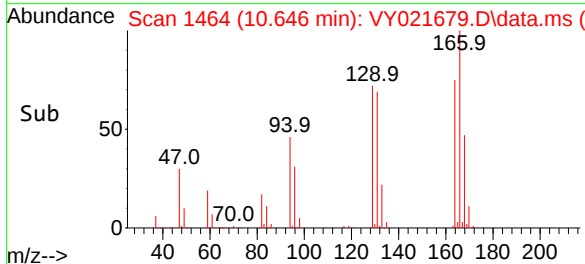
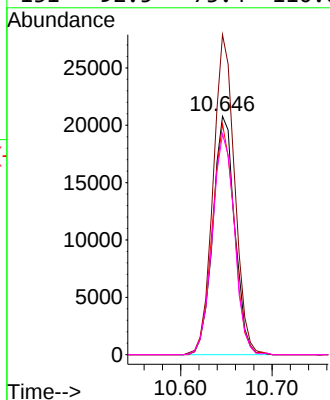
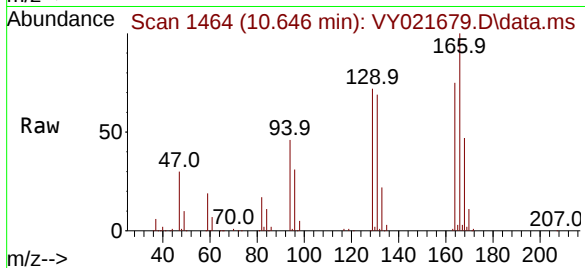
Ion Ratio Lower Upper

164 100

166 134.2 104.6 156.8

129 96.8 76.6 114.8

131 92.5 73.4 110.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021679.D

Acq: 27 Mar 2025 20:05

Tgt Ion:152 Resp: 154513

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.4 0.0 348.4

