

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060625\  
 Data File : VY022604.D  
 Acq On : 06 Jun 2025 16:48  
 Operator : SY/MD  
 Sample : Q2224-01  
 Misc : 5.37g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-06042025

Quant Time: Jun 06 23:45:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

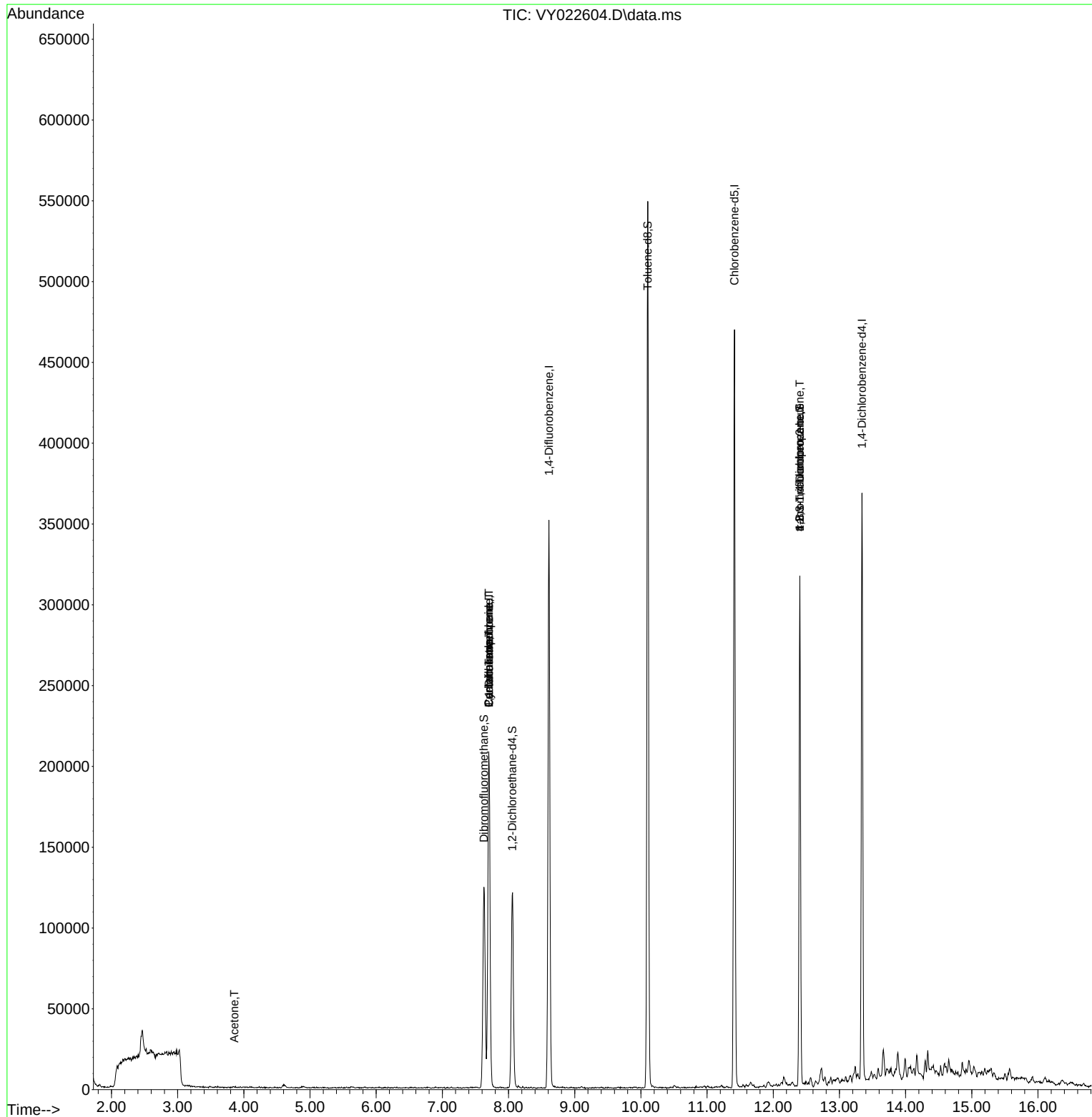
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 156402   | 50.000   | ug/l       | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.609  | 114   | 282035   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 226726   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340 | 152   | 85469    | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 90539    | 51.758   | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 103.520% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 86200    | 51.206   | ug/l       | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 102.420% |          |
| 50) Toluene-d8                | 10.103 | 98    | 336925   | 49.533   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 99.060%  |          |
| 62) 4-Bromofluorobenzene      | 12.401 | 95    | 83547    | 41.224   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 82.440%  |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 16) Acetone                   | 3.854  | 43    | 406      | 1.143    | ug/l #     | 45       |
| 31) Cyclohexane               | 7.701  | 56    | 4317     | 1.284    | ug/l #     | 41       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 14288    | 5.230    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 15939    | 5.687    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 50321    | 51.464   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 50321    | 124.282  | ug/l #     | 11       |
| -----                         |        |       |          |          |            |          |

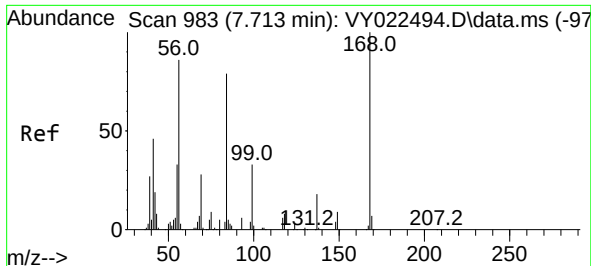
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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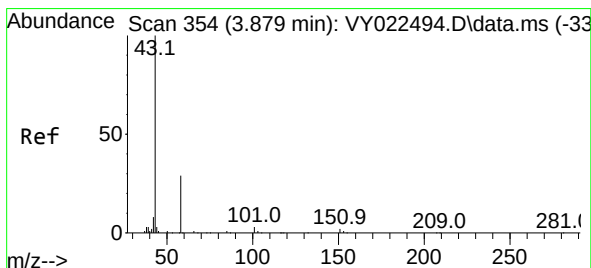
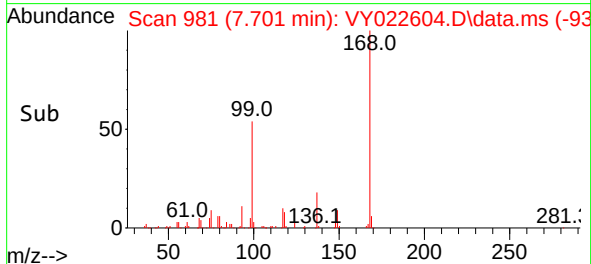
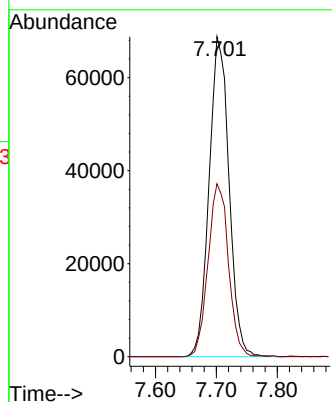
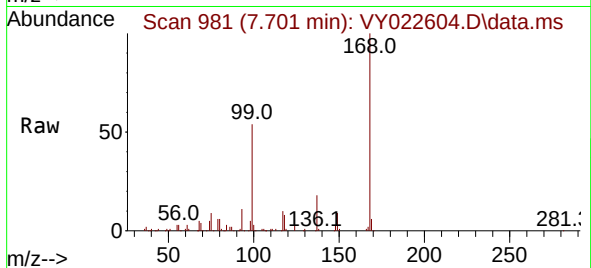




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

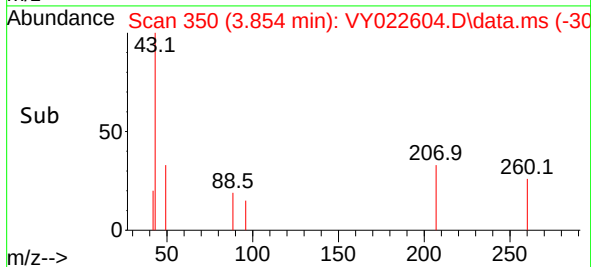
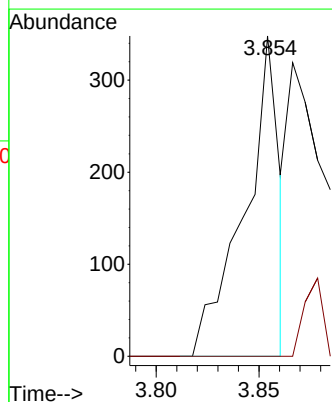
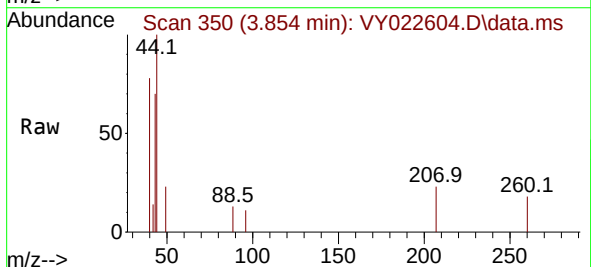
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-06042025

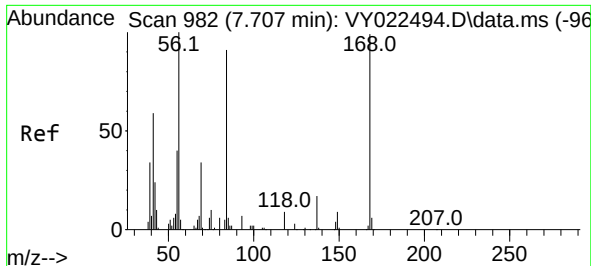
Tgt Ion:168 Resp: 156402  
Ion Ratio Lower Upper  
168 100  
99 54.0 44.3 66.5



#16  
Acetone  
Concen: 1.143 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. -0.025 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

Tgt Ion: 43 Resp: 406  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.0 36.0#

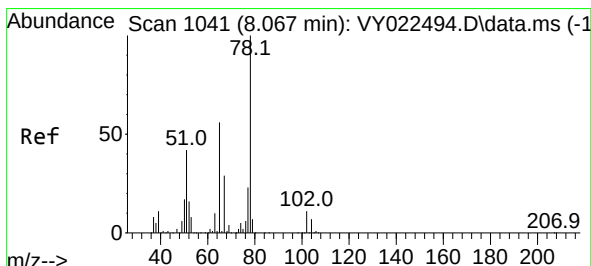
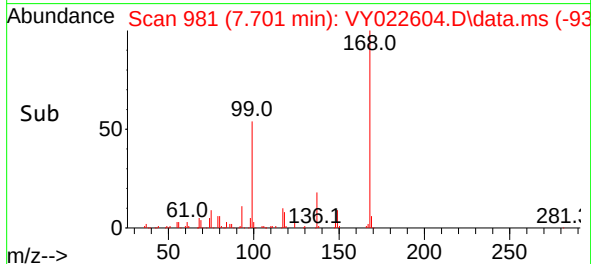
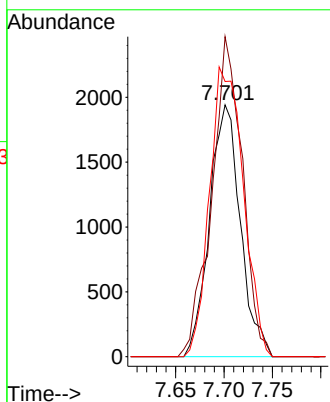
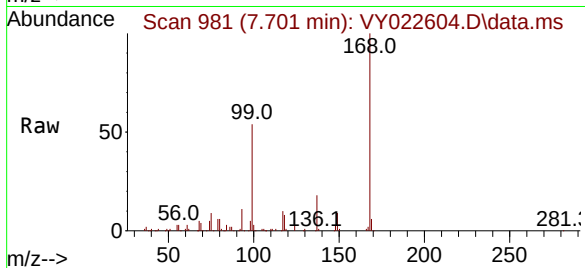




#31  
Cyclohexane  
Concen: 1.284 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

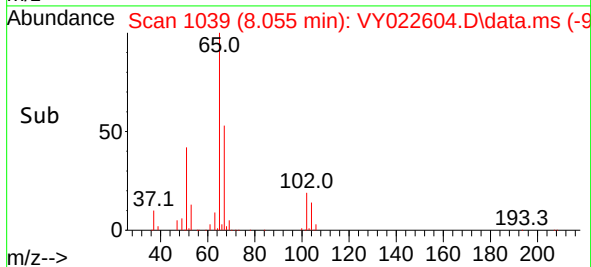
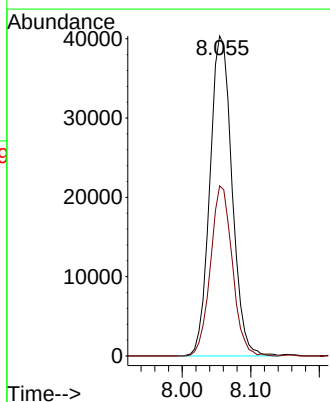
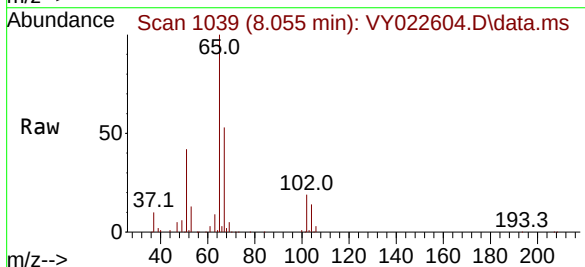
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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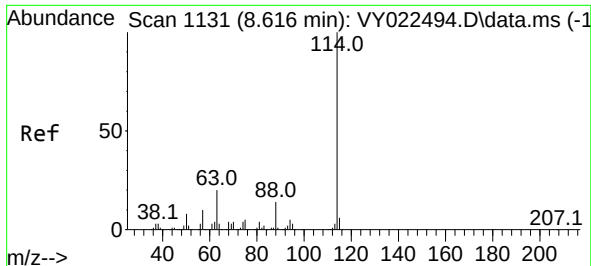
Tgt Ion: 56 Resp: 4317  
Ion Ratio Lower Upper  
56 100  
69 127.1 27.0 40.6#  
84 109.3 72.6 109.0#



#33  
1,2-Dichloroethane-d4  
Concen: 51.758 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

Tgt Ion: 65 Resp: 90539  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 103.4

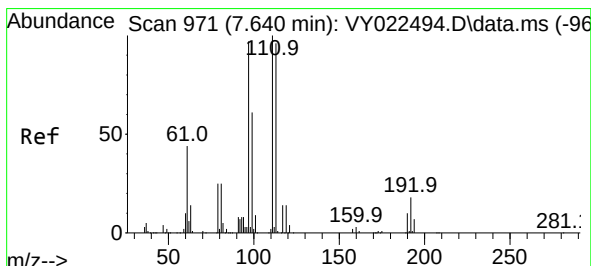
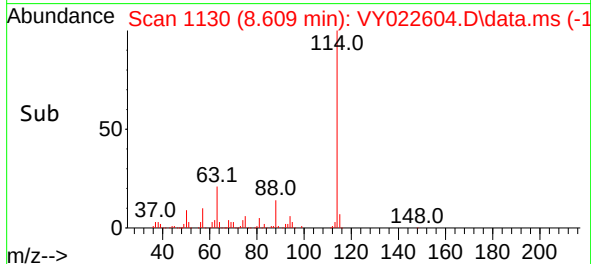
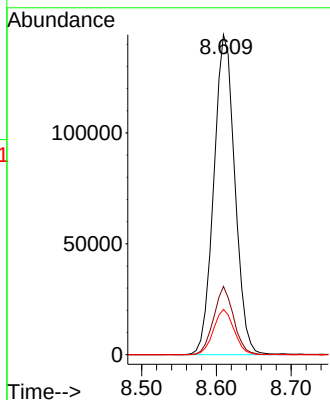
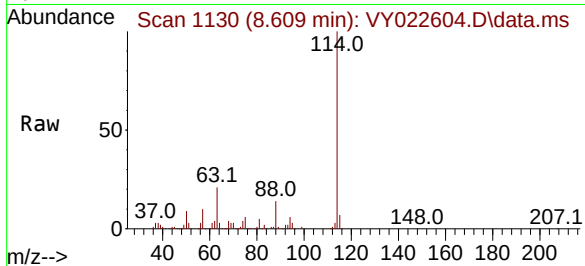




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.609 min Scan# 1131  
 Delta R.T. -0.006 min  
 Lab File: VY022604.D  
 Acq: 06 Jun 2025 16:48

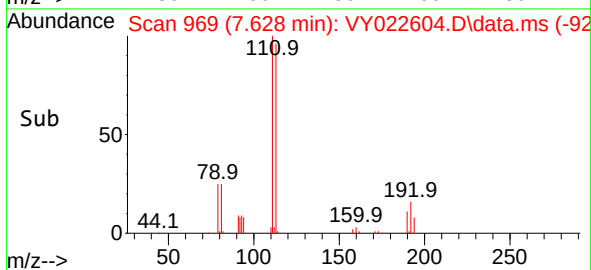
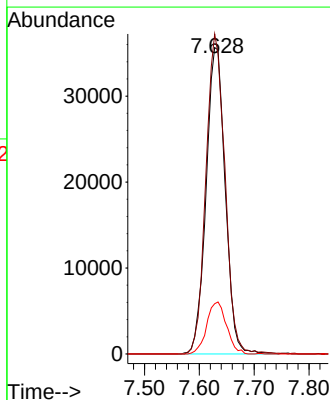
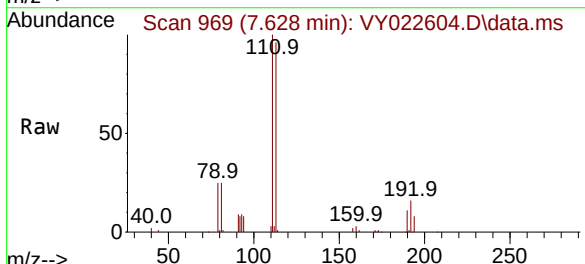
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-01-06042025

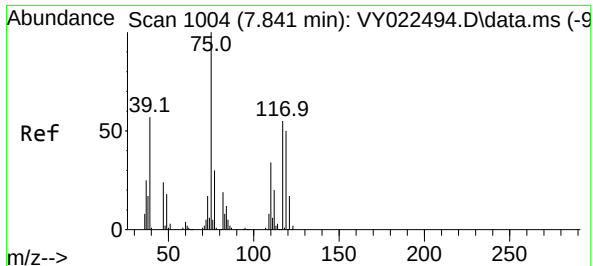
Tgt Ion:114 Resp: 282035  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 40.8  
 88 14.2 0.0 27.8



#35  
 Dibromofluoromethane  
 Concen: 51.206 ug/l  
 RT: 7.628 min Scan# 969  
 Delta R.T. -0.012 min  
 Lab File: VY022604.D  
 Acq: 06 Jun 2025 16:48

Tgt Ion:113 Resp: 86200  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 81.1 121.7  
 192 17.6 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022604.D

Acq: 06 Jun 2025 16:48

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-06042025

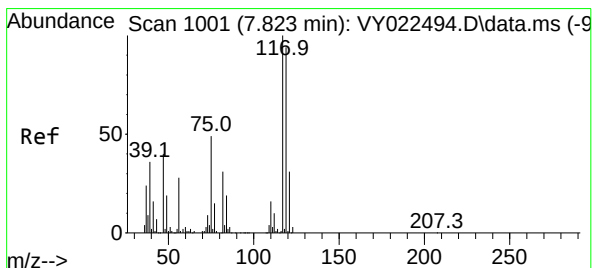
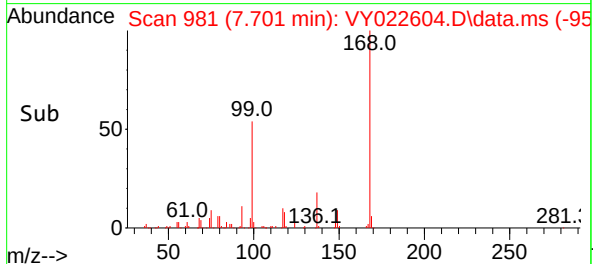
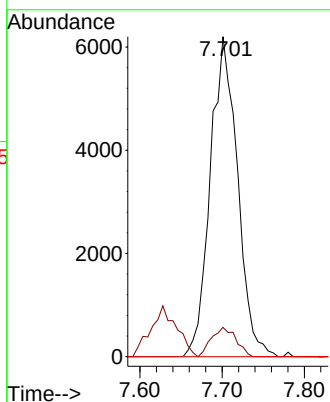
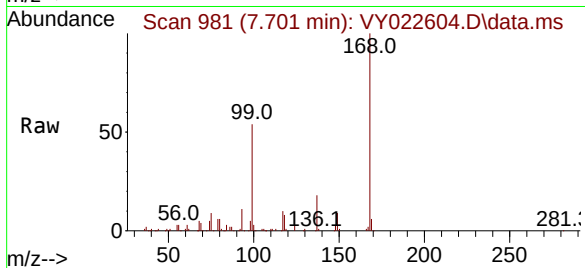
Tgt Ion: 75 Resp: 14288

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022604.D

Acq: 06 Jun 2025 16:48

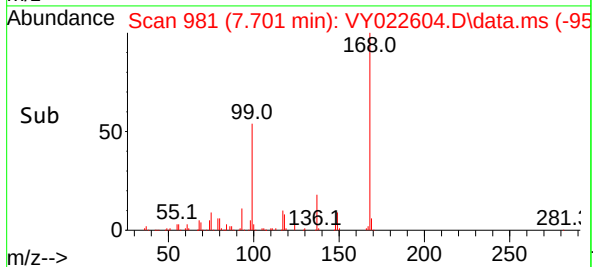
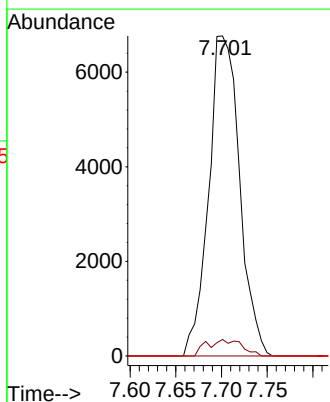
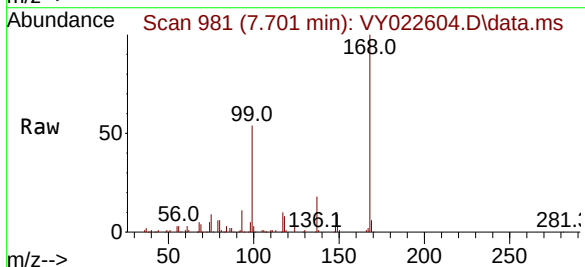
Tgt Ion: 117 Resp: 15939

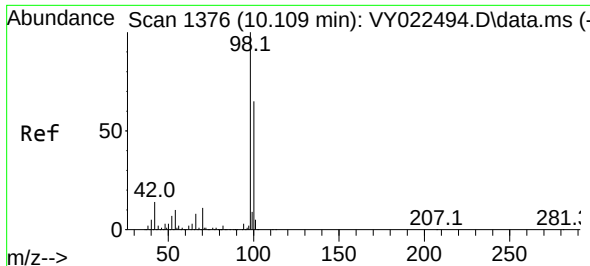
Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

121 0.0 25.0 37.4#

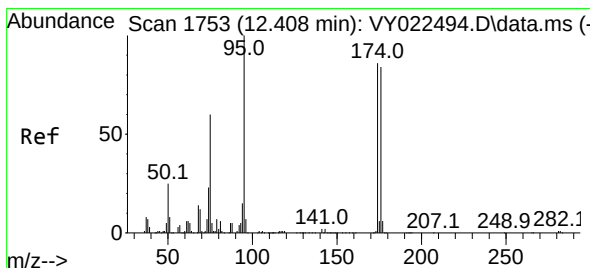
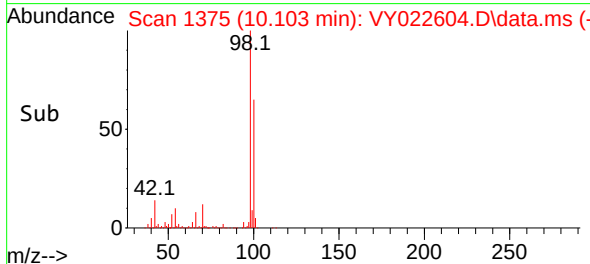
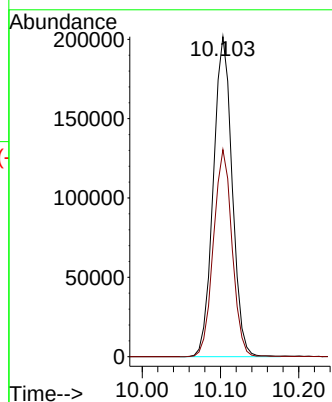
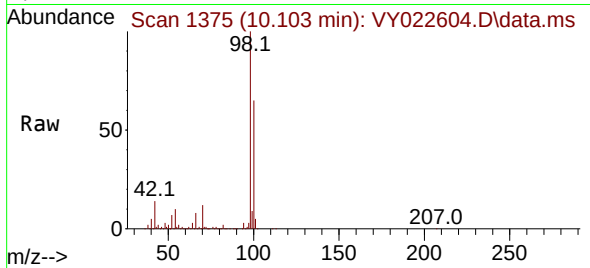




#50  
Toluene-d8  
Concen: 49.533 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

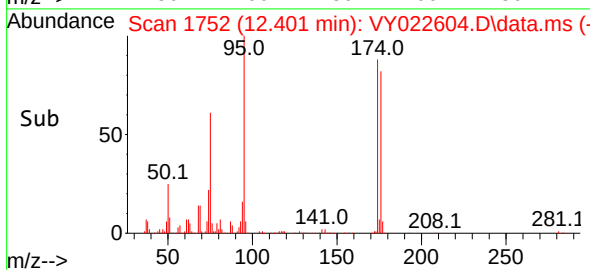
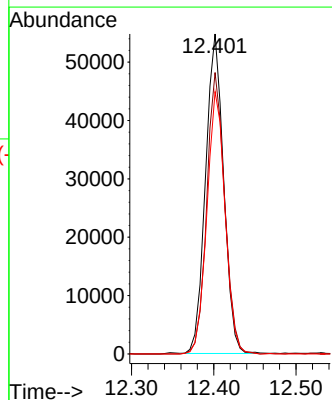
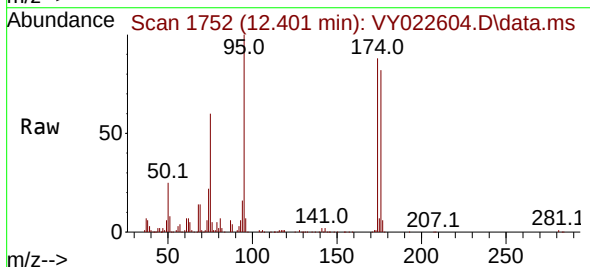
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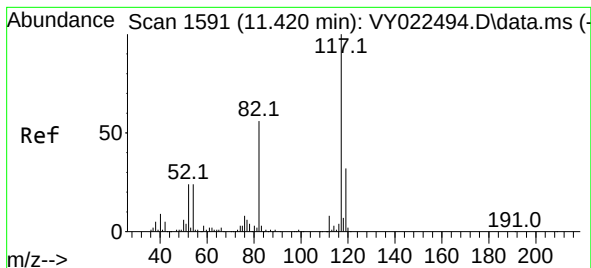
Tgt Ion: 98 Resp: 336925  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.224 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

Tgt Ion: 95 Resp: 83547  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 170.0  
176 82.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022604.D

Acq: 06 Jun 2025 16:48

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-06042025

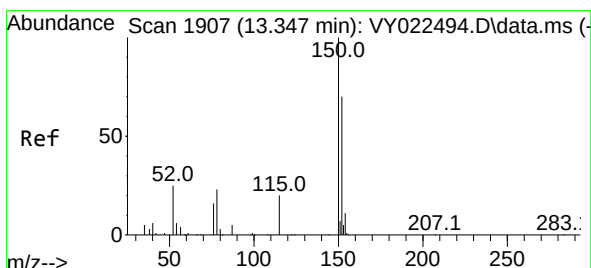
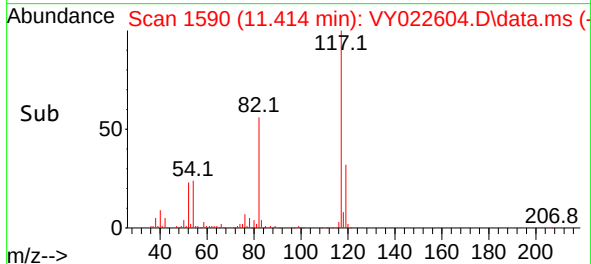
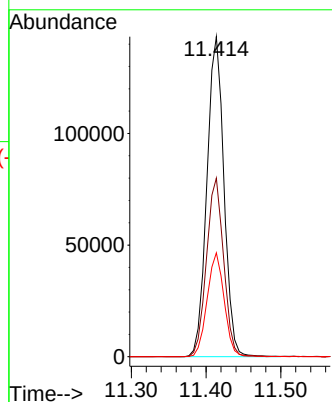
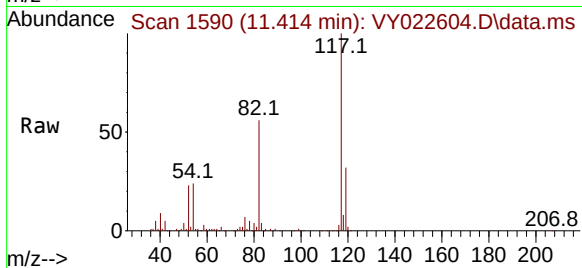
Tgt Ion:117 Resp: 226726

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022604.D

Acq: 06 Jun 2025 16:48

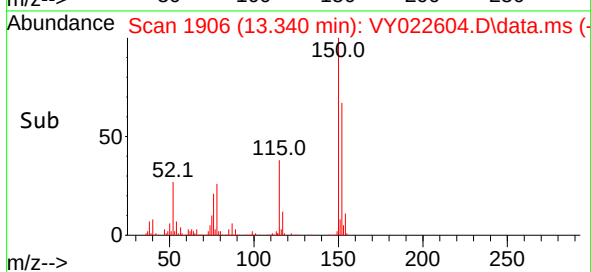
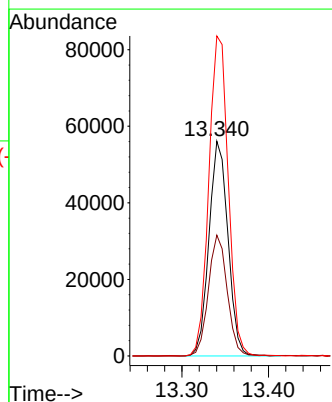
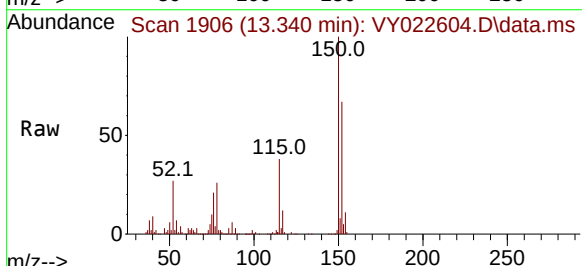
Tgt Ion:152 Resp: 85469

Ion Ratio Lower Upper

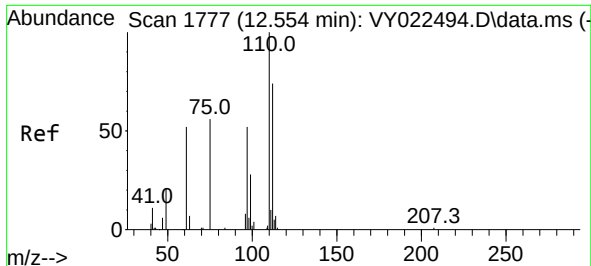
152 100

115 55.7 28.9 86.7

150 152.2 0.0 349.6



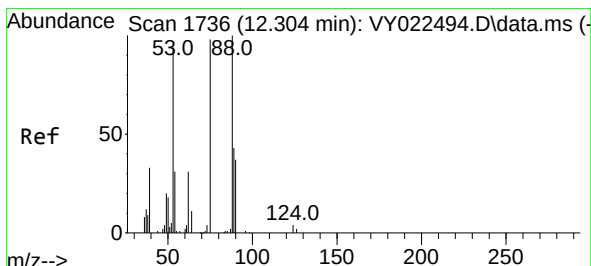
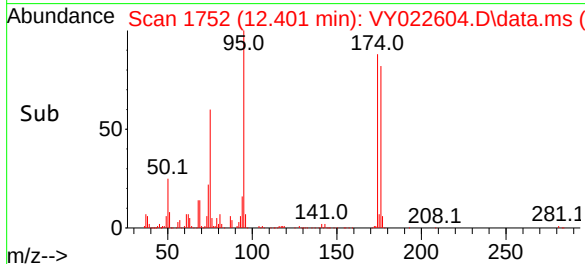
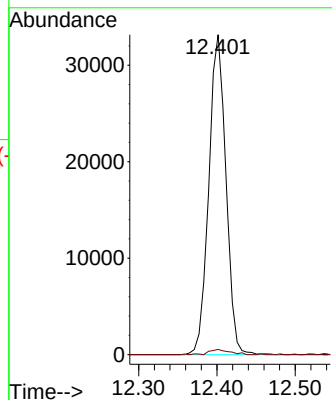
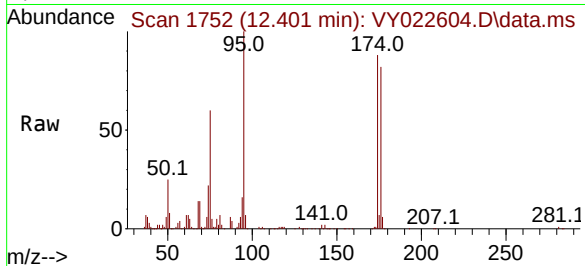




#76  
1,2,3-Trichloropropane  
Concen: 51.464 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.153 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-06042025

Tgt Ion: 75 Resp: 50321  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.282 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.097 min  
Lab File: VY022604.D  
Acq: 06 Jun 2025 16:48

Tgt Ion: 75 Resp: 50321  
Ion Ratio Lower Upper  
75 100  
53 0.2 78.5 117.7#  
89 0.0 35.7 53.5#

