

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060525\  
 Data File : VY022571.D  
 Acq On : 05 Jun 2025 13:56  
 Operator : SY/MD  
 Sample : Q2224-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 06 01:24:37 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

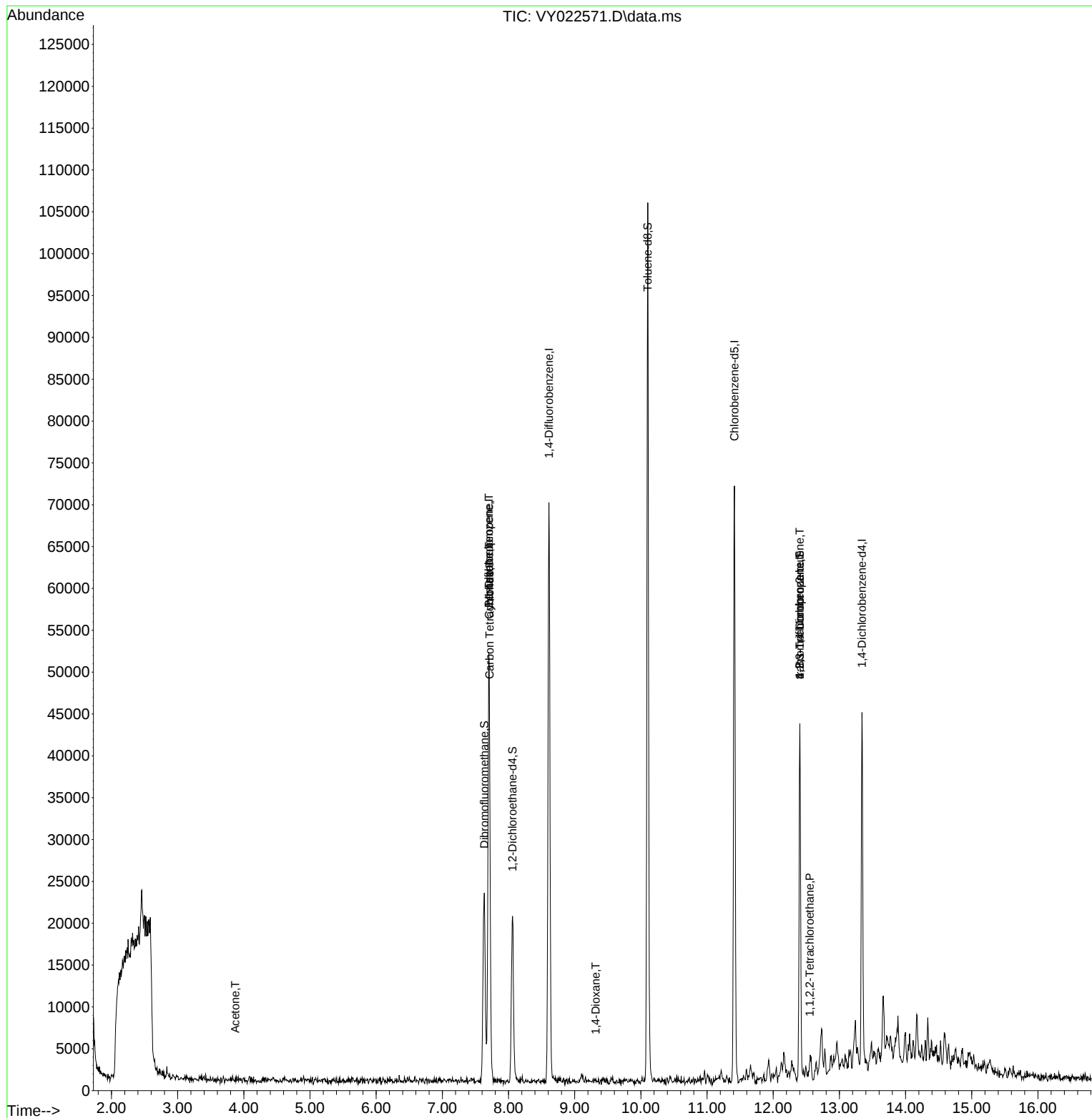
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 37908    | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 56851    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 36199    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340 | 152   | 9835     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 15086    | 35.582   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 71.160%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 15994    | 47.134   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 94.260%  |
| 50) Toluene-d8                | 10.103 | 98    | 64069    | 46.728   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 93.460%  |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 11393    | 27.888   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 55.780%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.873  | 43    | 124      | 1.440    | ug/l # | 45       |
| 31) Cyclohexane               | 7.707  | 56    | 1103     | 1.354    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 3506     | 6.366    | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 3833     | 6.784    | ug/l # | 13       |
| 49) 1,4-Dioxane               | 9.317  | 88    | 26       | 10.147   | ug/l # | 24       |
| 75) 1,1,2,2-Tetrachloroethane | 12.554 | 83    | 203      | 1.532    | ug/l # | 25       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 6726     | 59.778   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 6726     | 144.361  | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

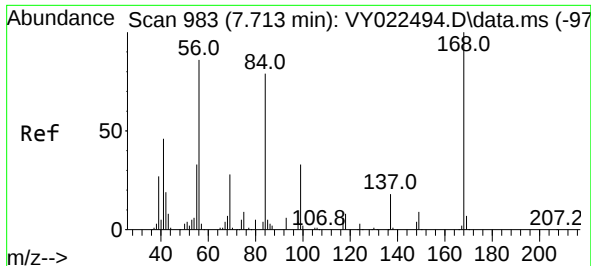
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 03 03:22:04 2025  
Response via : Initial Calibration

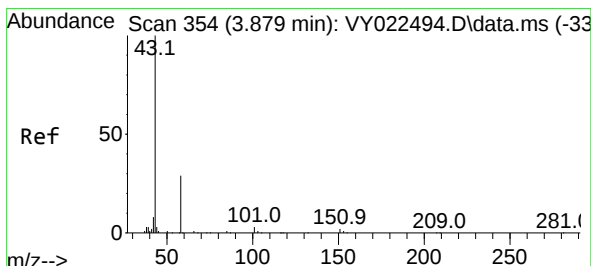
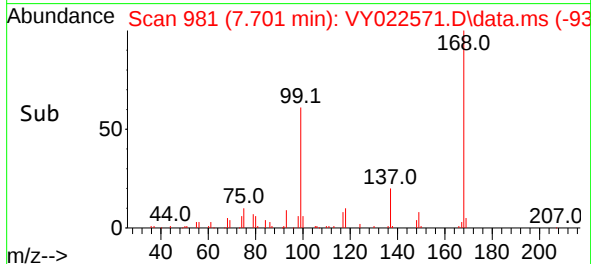
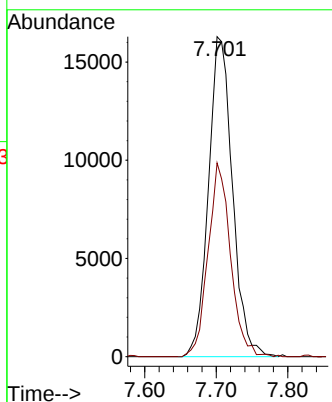
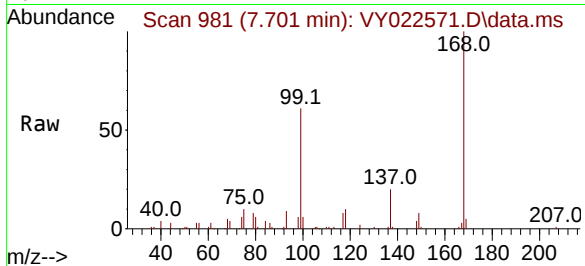




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

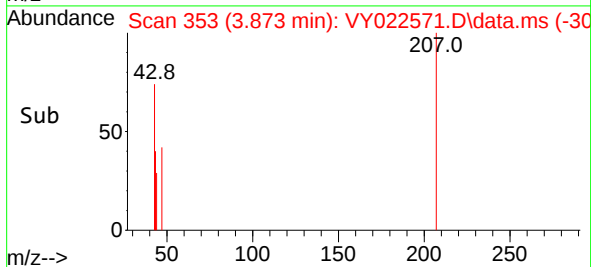
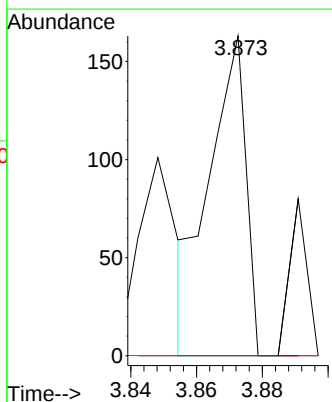
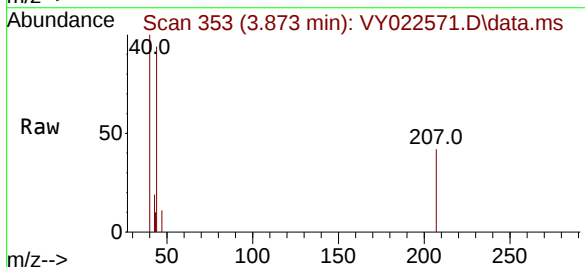
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-06042025

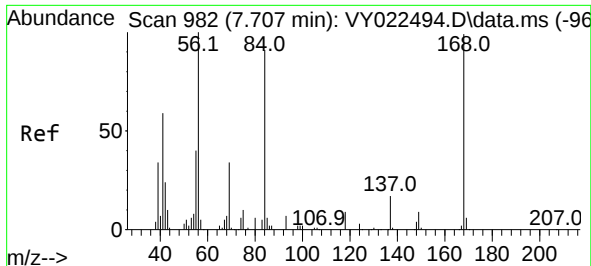
Tgt Ion:168 Resp: 37908  
Ion Ratio Lower Upper  
168 100  
99 60.5 44.3 66.5



#16  
Acetone  
Concen: 1.440 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

Tgt Ion: 43 Resp: 124  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.0 36.0#

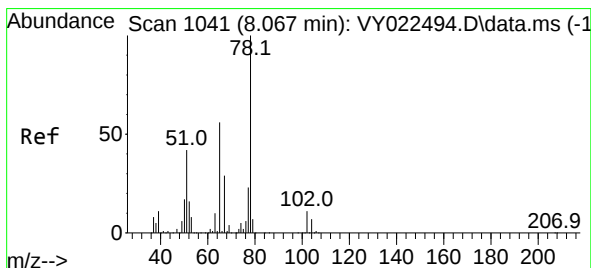
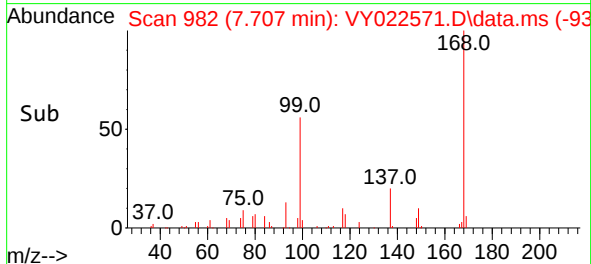
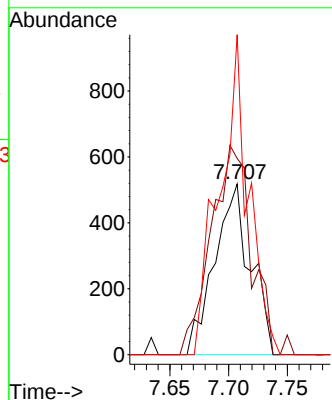
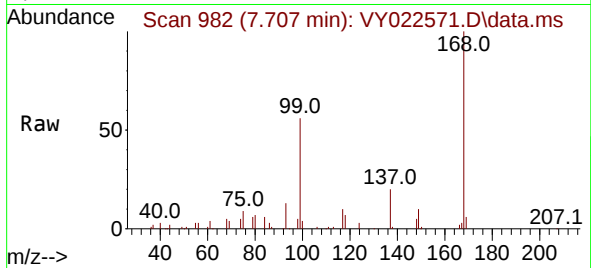




#31  
Cyclohexane  
Concen: 1.354 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

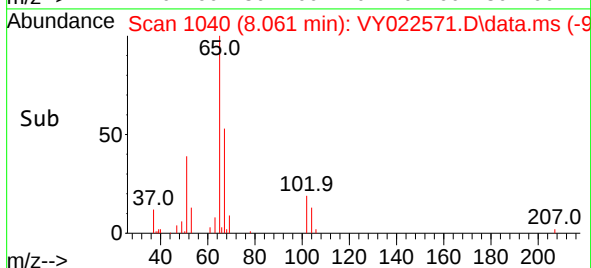
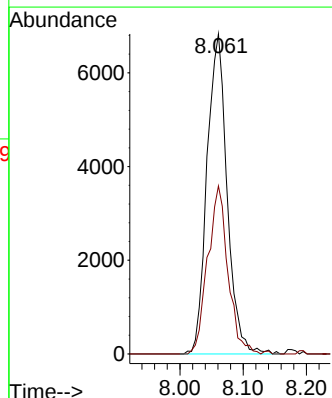
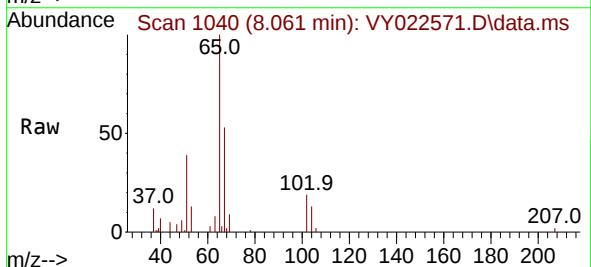
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-01-06042025

Tgt Ion: 56 Resp: 1103  
Ion Ratio Lower Upper  
56 100  
69 115.1 27.0 40.6#  
84 187.5 72.6 109.0#



#33  
1,2-Dichloroethane-d4  
Concen: 35.582 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

Tgt Ion: 65 Resp: 15086  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-06042025

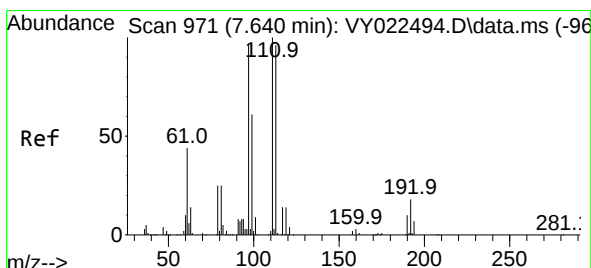
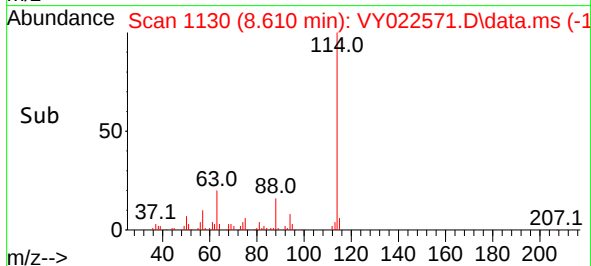
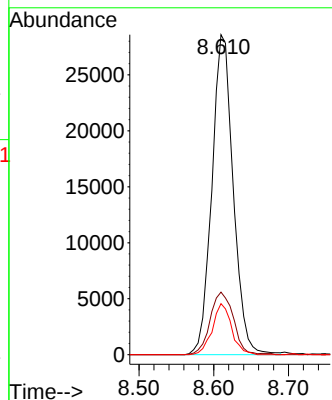
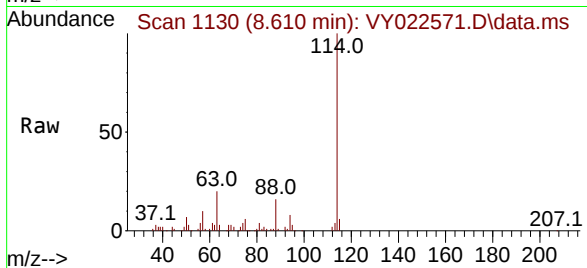
Tgt Ion:114 Resp: 56851

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 47.134 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

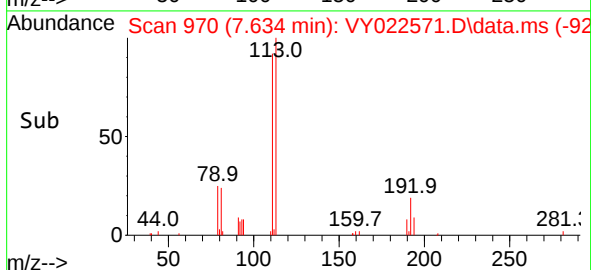
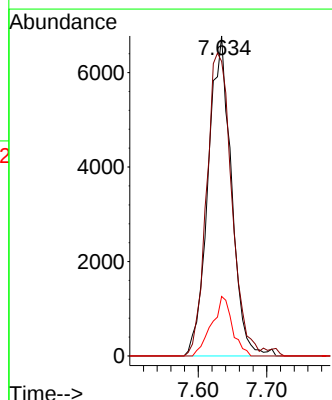
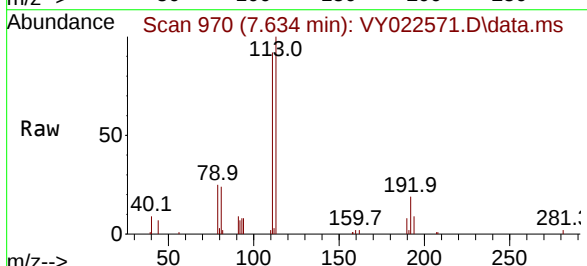
Tgt Ion:113 Resp: 15994

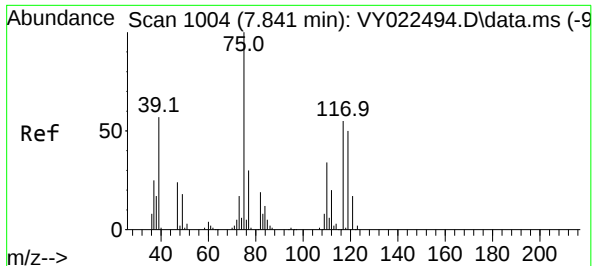
Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 16.4 14.2 21.2





#36

1,1-Dichloropropene

Concen: 6.366 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-06042025

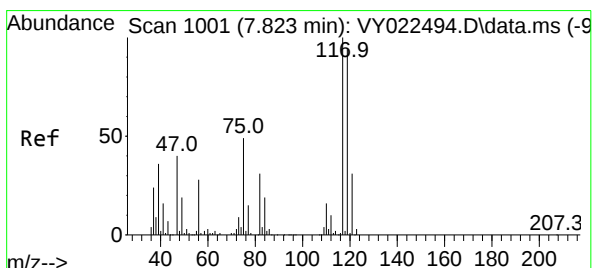
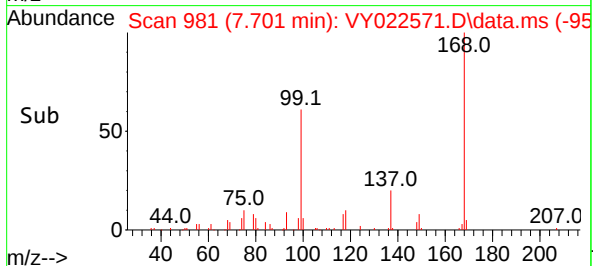
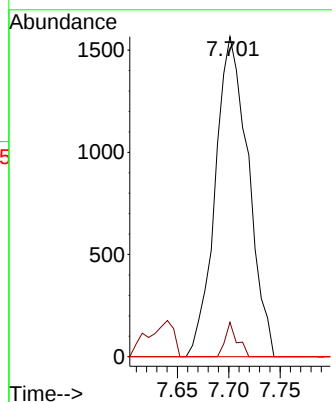
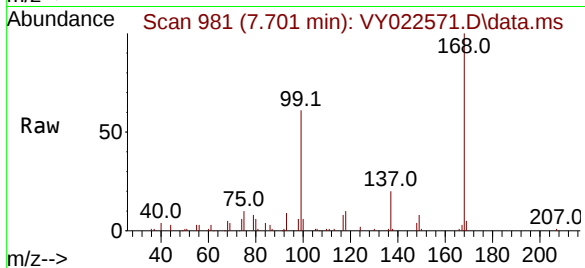
Tgt Ion: 75 Resp: 3506

Ion Ratio Lower Upper

75 100

110 3.9 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.784 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

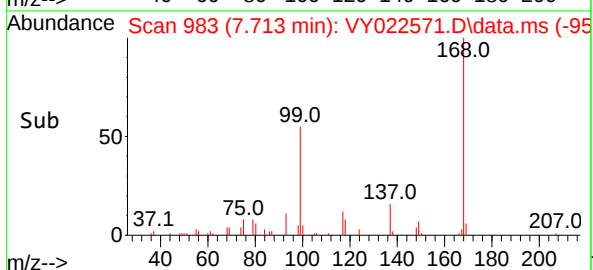
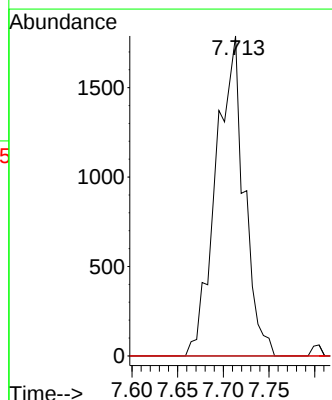
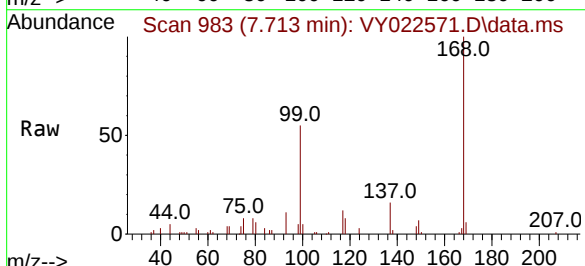
Tgt Ion: 117 Resp: 3833

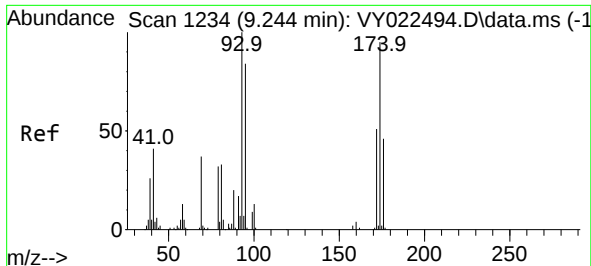
Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.6#

121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 10.147 ug/l

RT: 9.317 min Scan# 11

Delta R.T. 0.073 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

Instrument :

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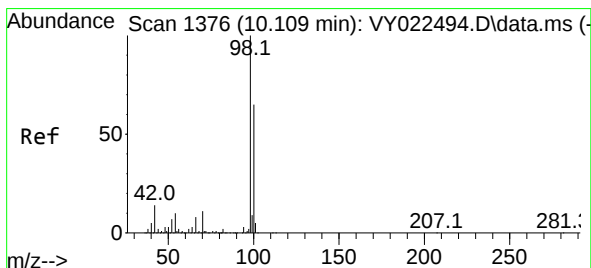
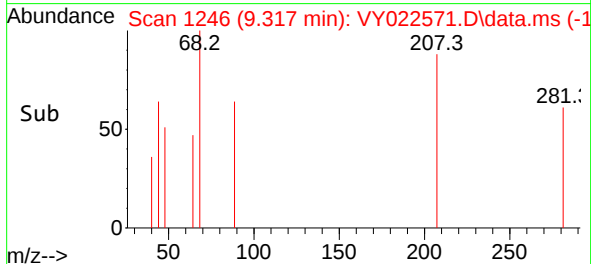
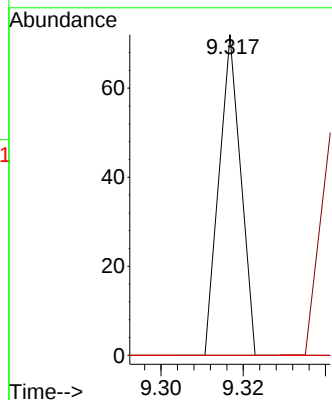
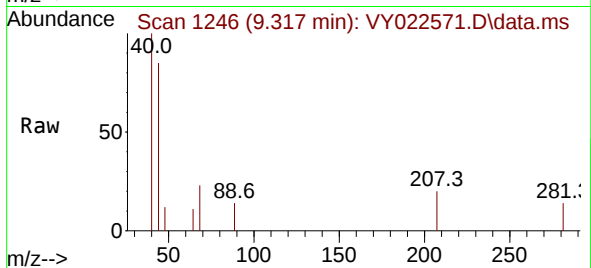
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 46.728 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022571.D

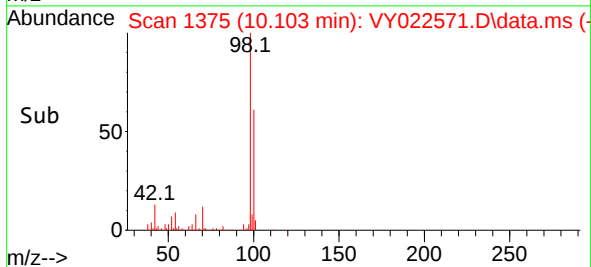
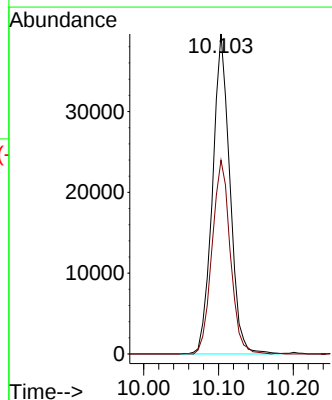
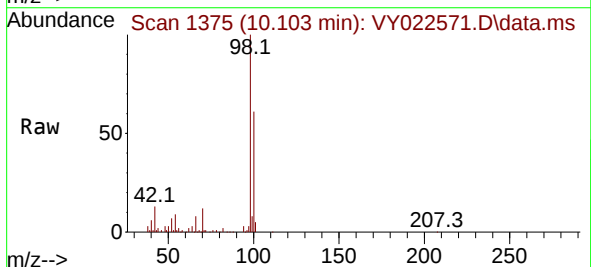
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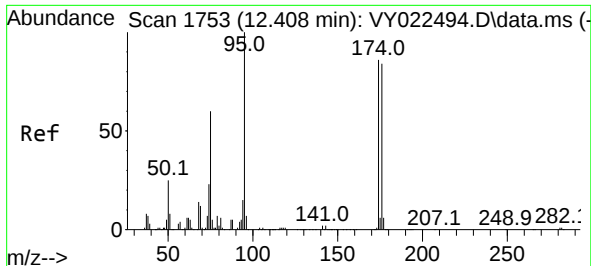
Tgt Ion: 98 Resp: 64069

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0

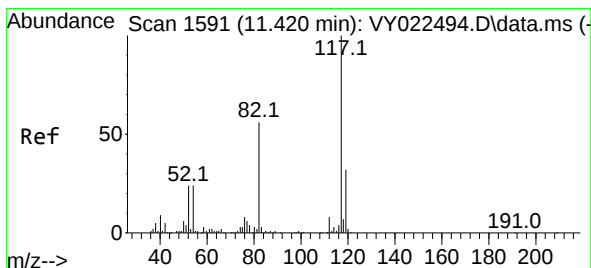
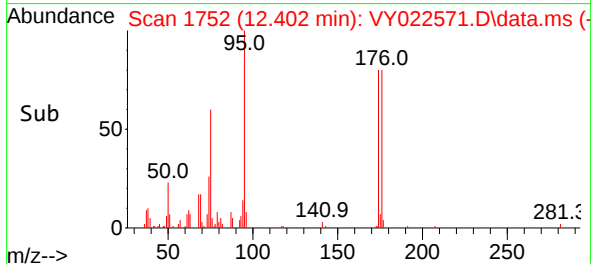
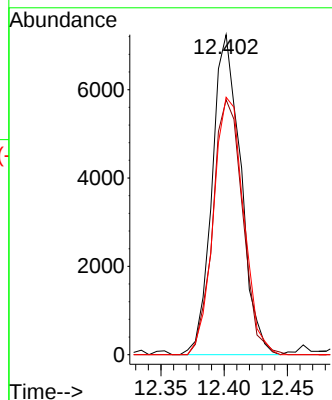
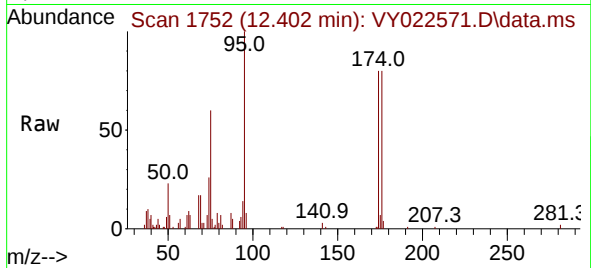




#62  
4-Bromofluorobenzene  
Concen: 27.888 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

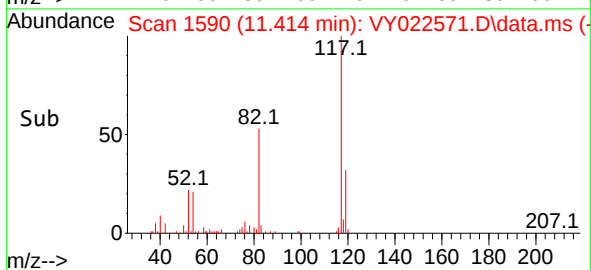
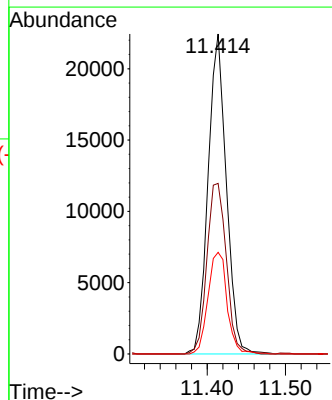
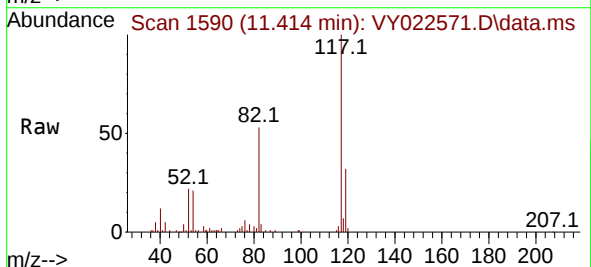
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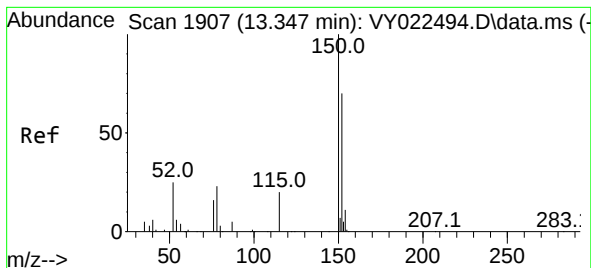
Tgt Ion: 95 Resp: 11393  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 170.0  
176 84.7 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

Tgt Ion: 117 Resp: 36199  
Ion Ratio Lower Upper  
117 100  
82 53.3 44.6 66.8  
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

Instrument :

MSVOA\_Y

ClientSampleId :

EO-01-06042025

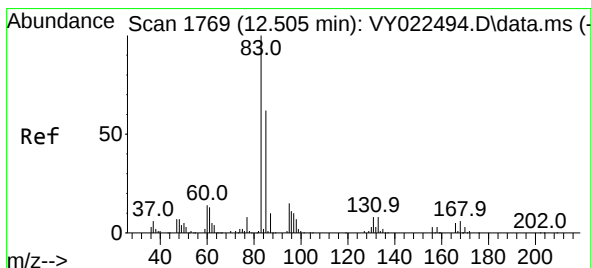
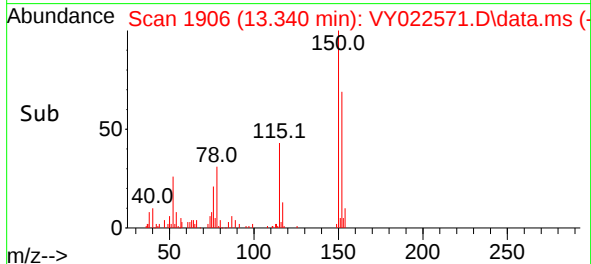
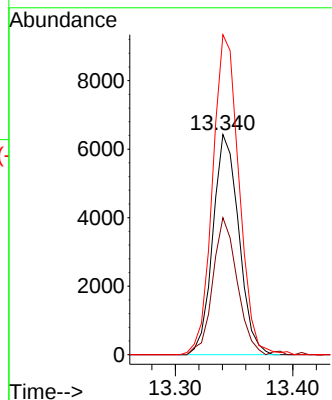
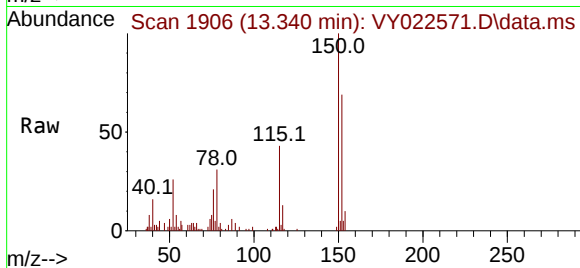
Tgt Ion:152 Resp: 9835

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 148.2 0.0 349.6



#75

1,1,2,2-Tetrachloroethane

Concen: 1.532 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.049 min

Lab File: VY022571.D

Acq: 05 Jun 2025 13:56

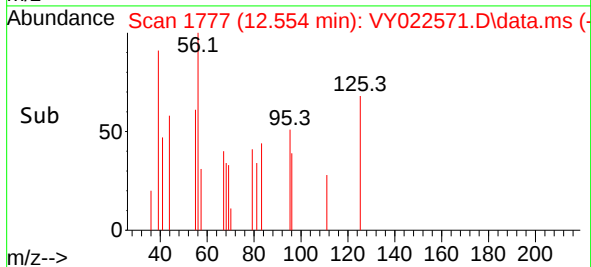
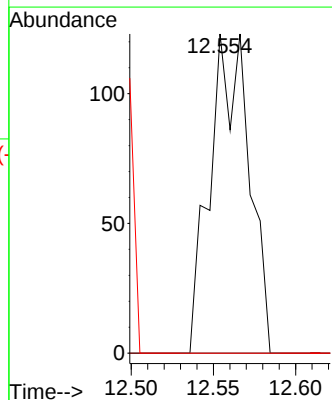
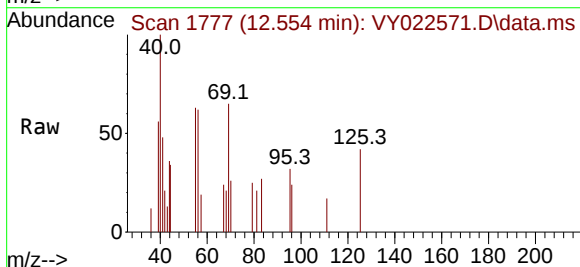
Tgt Ion: 83 Resp: 203

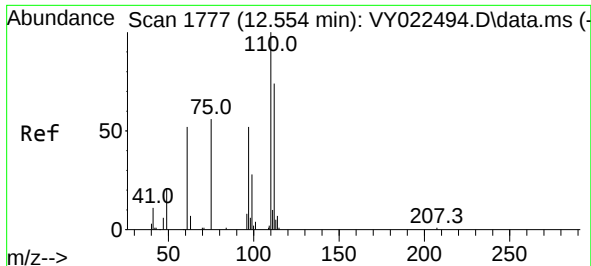
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.6 97.8#

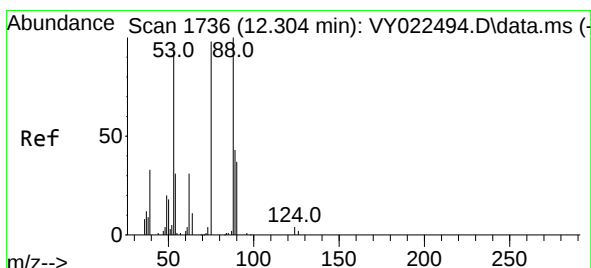
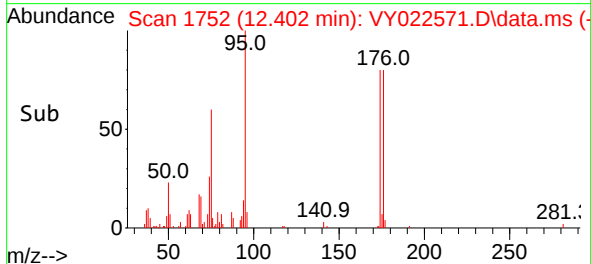
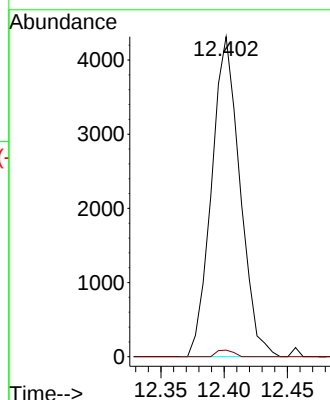
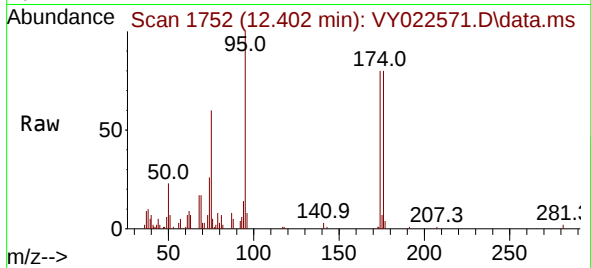




#76  
1,2,3-Trichloropropane  
Concen: 59.778 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

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

Tgt Ion: 75 Resp: 6726  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 144.361 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY022571.D  
Acq: 05 Jun 2025 13:56

Tgt Ion: 75 Resp: 6726  
Ion Ratio Lower Upper  
75 100  
53 1.9 78.5 117.7#  
89 0.0 35.7 53.5#

