

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060525\  
 Data File : VY022565.D  
 Acq On : 05 Jun 2025 11:35  
 Operator : SY/MD  
 Sample : Q2199-06  
 Misc : 4.53g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-11978

Quant Time: Jun 06 01:22:24 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

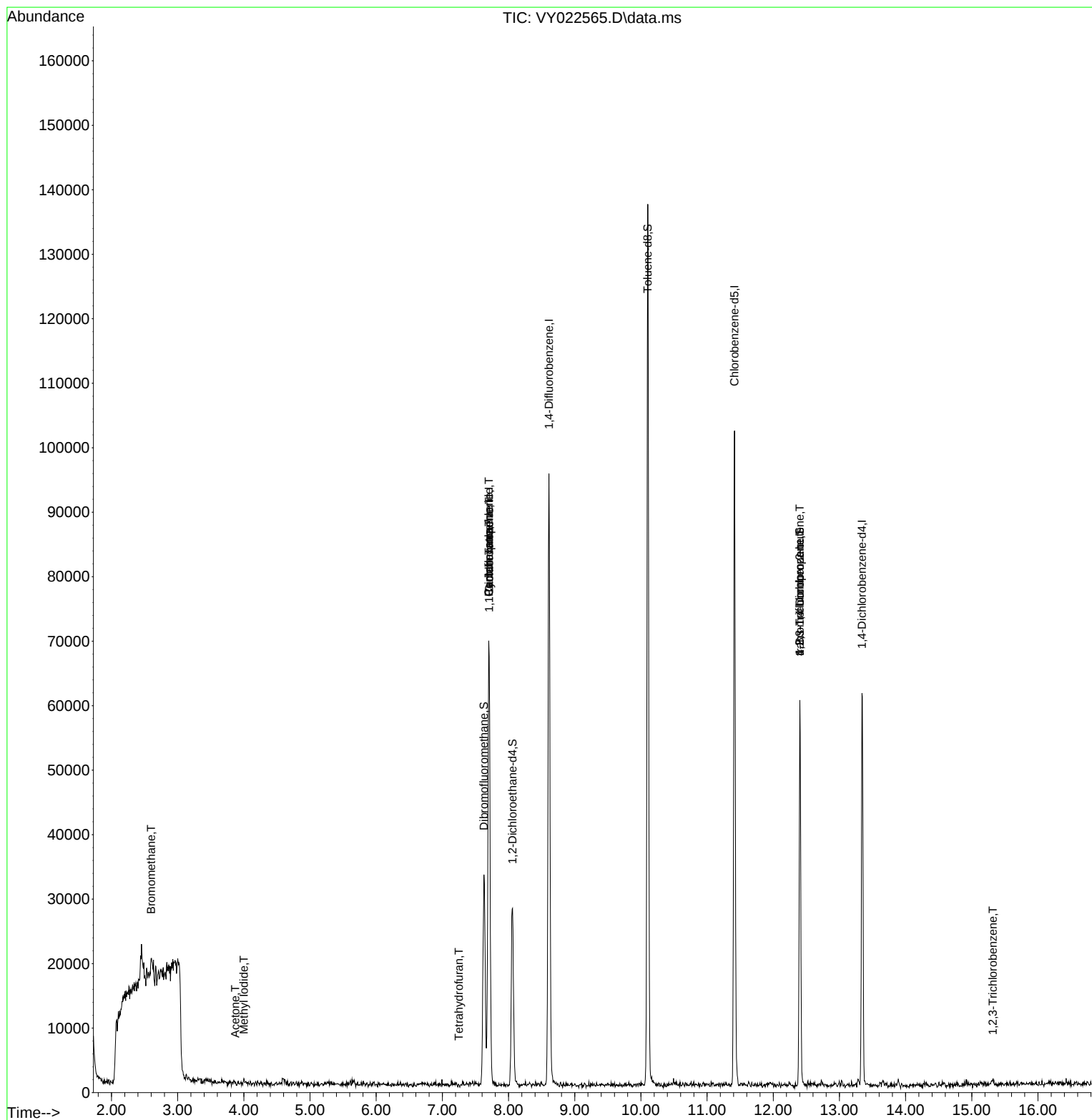
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.701          | 168  | 50802      | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 8.609          | 114  | 76765      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 50072      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.340         | 152  | 14250      | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 21568      | 37.959  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 75.920% |        |          |
| 35) Dibromofluoromethane      | 7.628          | 113  | 22388      | 48.861  | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 97.720% |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 85922      | 46.409  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 92.820% |        |          |
| 62) 4-Bromofluorobenzene      | 12.401         | 95   | 16580      | 30.057  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 60.120% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 5) Bromomethane               | 2.598          | 94   | 1975       | 1.322   | ug/l   | 92       |
| 10) Methyl Iodide             | 4.000          | 142  | 680        | 1.127   | ug/l # | 44       |
| 16) Acetone                   | 3.872          | 43   | 134        | 1.161   | ug/l # | 45       |
| 29) Tetrahydrofuran           | 7.250          | 42   | 108        | 1.006   | ug/l # | 31       |
| 31) Cyclohexane               | 7.701          | 56   | 1375       | 1.259   | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 4414       | 5.936   | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.701          | 117  | 5396       | 7.073   | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 10104      | 61.978  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 10104      | 149.673 | ug/l # | 10       |
| 96) 1,2,3-Trichlorobenzene    | 15.315         | 180  | 204        | 1.028   | ug/l   | 83       |
| -----                         |                |      |            |         |        |          |

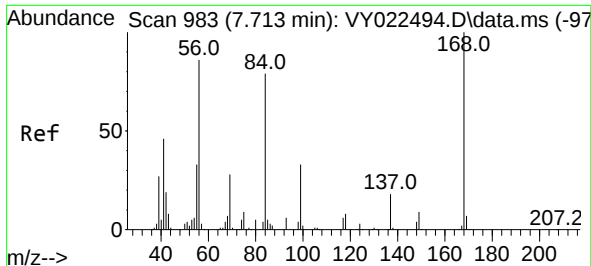
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060525\  
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Sample : Q2199-06  
Misc : 4.53g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Jun 06 01:22:24 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

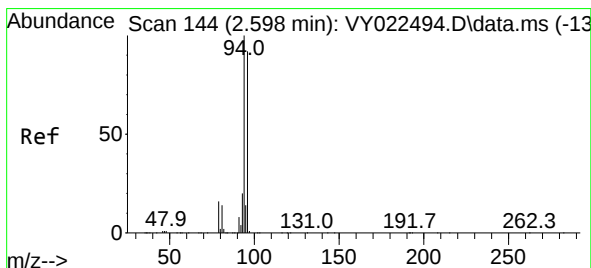
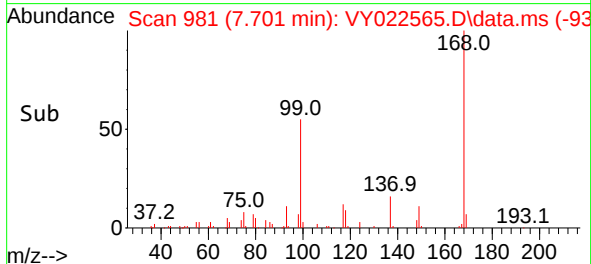
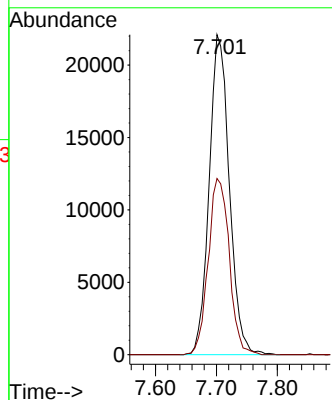
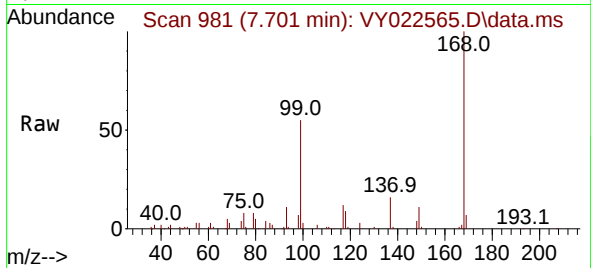




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.012 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

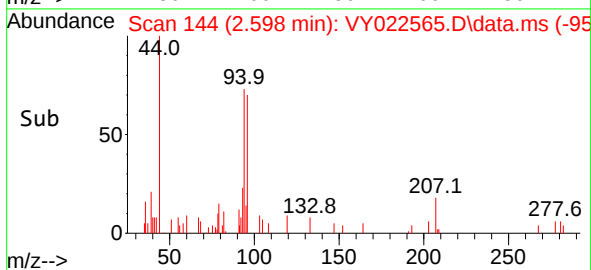
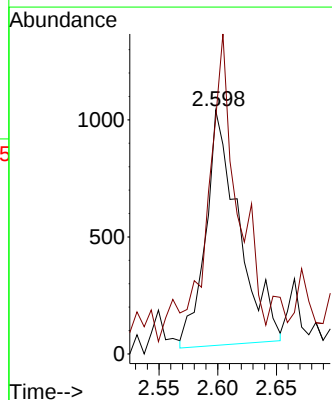
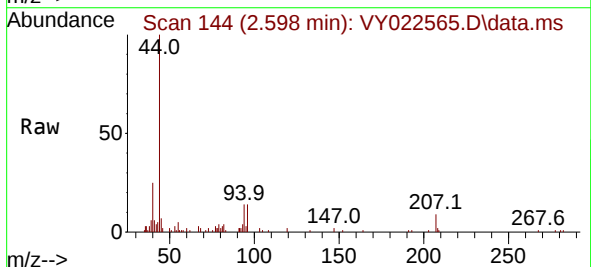
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11978

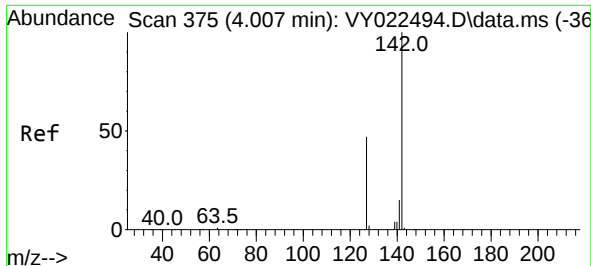
Tgt Ion:168 Resp: 50802  
Ion Ratio Lower Upper  
168 100  
99 55.0 44.3 66.5



#5  
Bromomethane  
Concen: 1.322 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. -0.000 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion: 94 Resp: 1975  
Ion Ratio Lower Upper  
94 100  
96 84.4 74.0 111.0

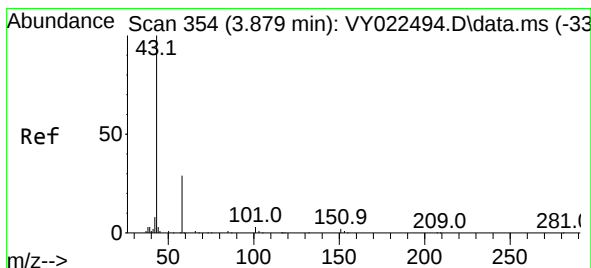
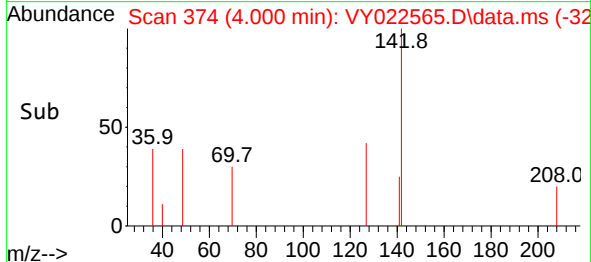
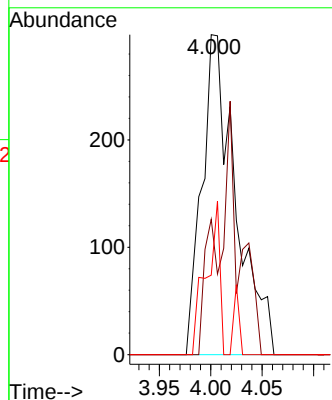
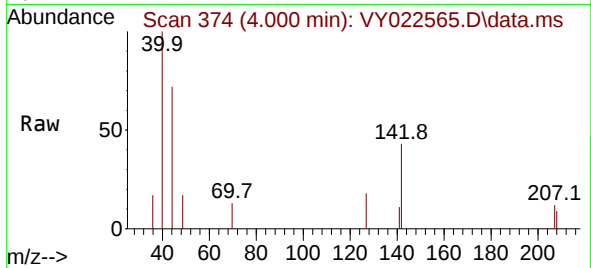




#10  
Methyl Iodide  
Concen: 1.127 ug/l  
RT: 4.000 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

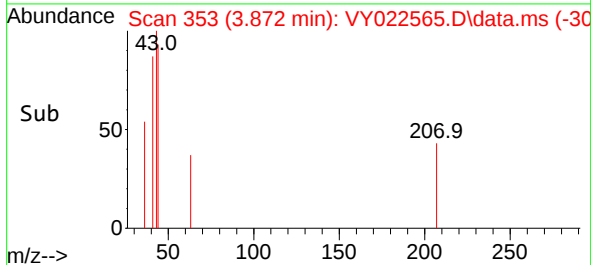
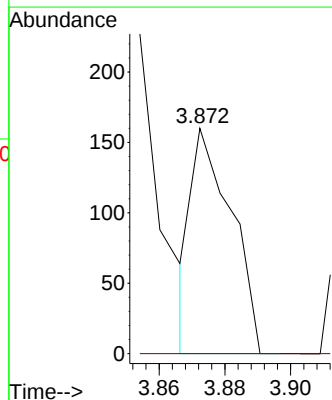
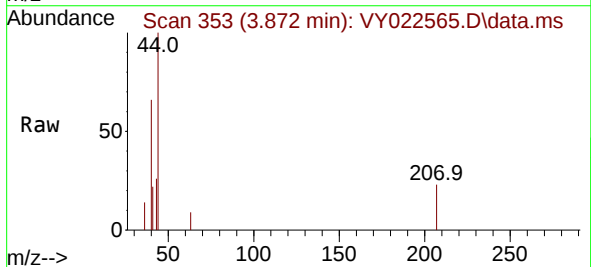
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11978

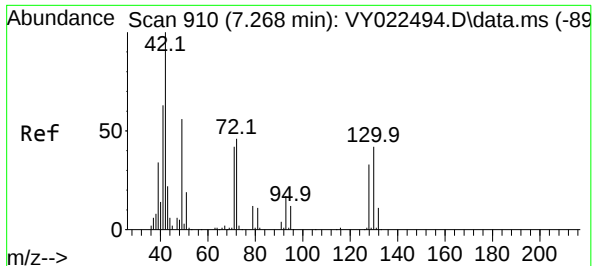
Tgt Ion:142 Resp: 680  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.1 55.7#  
141 19.4 11.4 17.2#



#16  
Acetone  
Concen: 1.161 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion: 43 Resp: 134  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.0 36.0#





#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.019 min

Lab File: VY022565.D

Acq: 05 Jun 2025 11:35

Instrument :

MSVOA\_Y

ClientSampleId :

72-11978

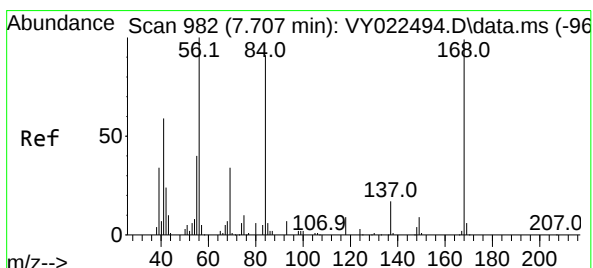
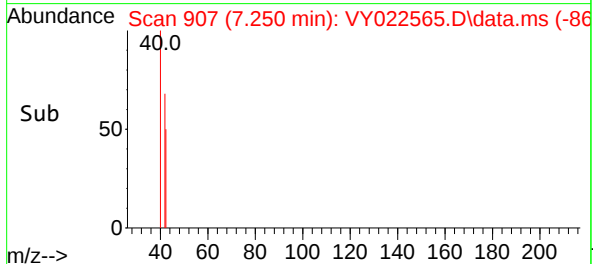
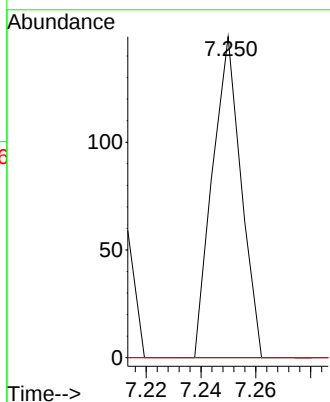
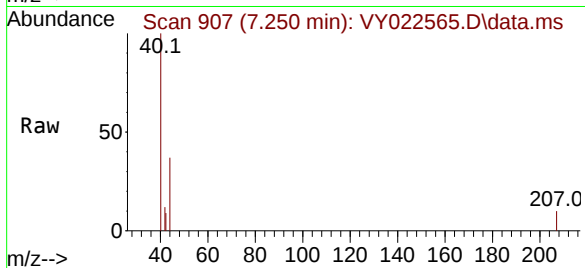
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.2#

71 0.0 34.2 51.2#



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY022565.D

Acq: 05 Jun 2025 11:35

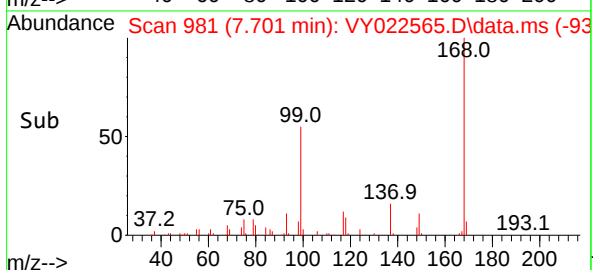
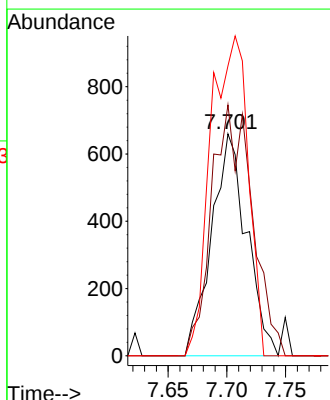
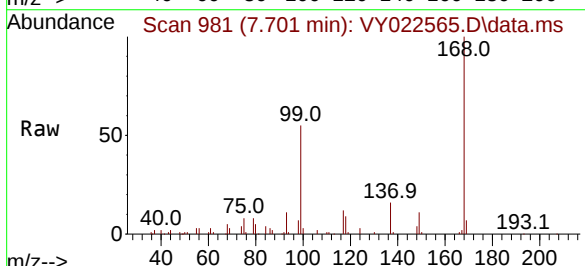
Tgt Ion: 56 Resp: 1375

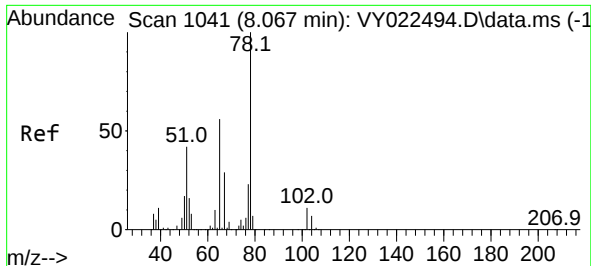
Ion Ratio Lower Upper

56 100

69 113.0 27.0 40.6#

84 130.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 37.959 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022565.D

Acq: 05 Jun 2025 11:35

Instrument :

MSVOA\_Y

ClientSampleId :

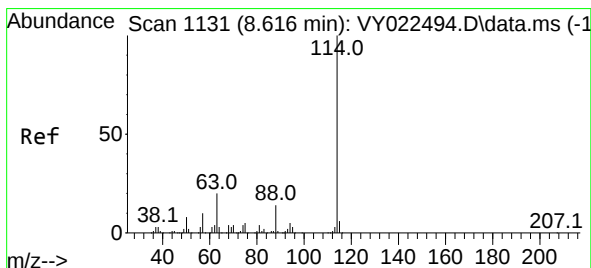
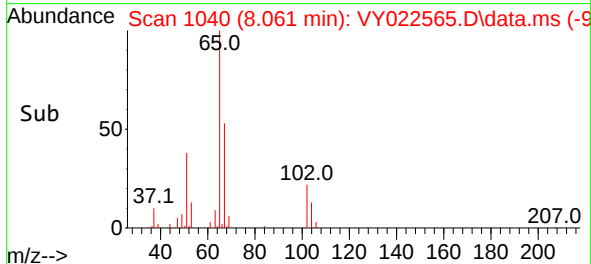
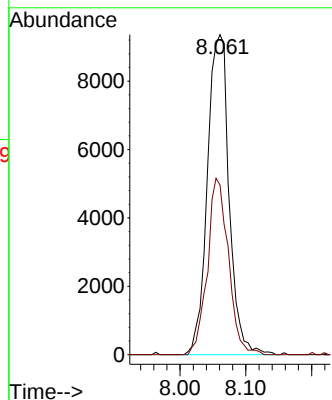
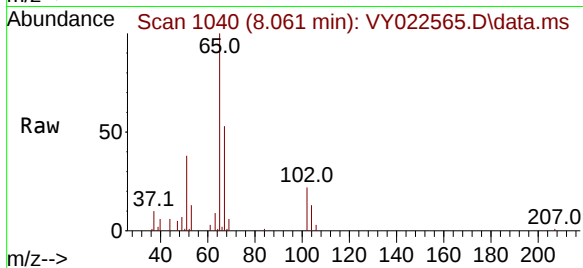
72-11978

Tgt Ion: 65 Resp: 21568

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022565.D

Acq: 05 Jun 2025 11:35

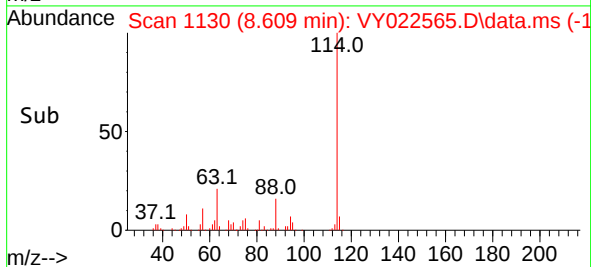
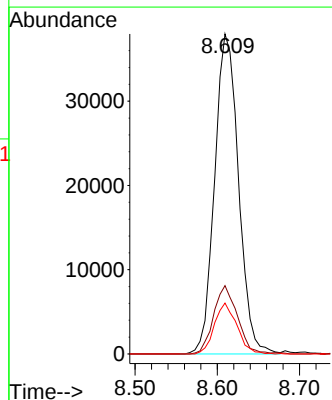
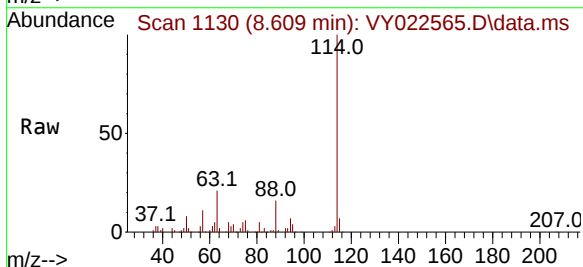
Tgt Ion: 114 Resp: 76765

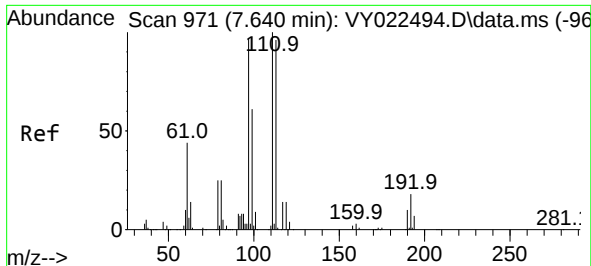
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 15.9 0.0 27.8

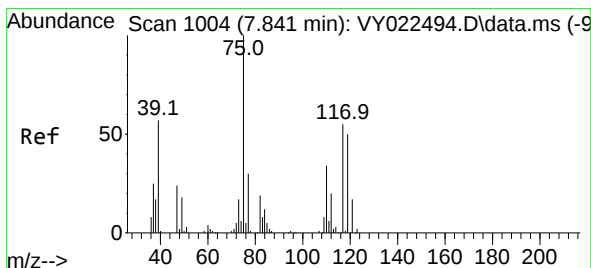
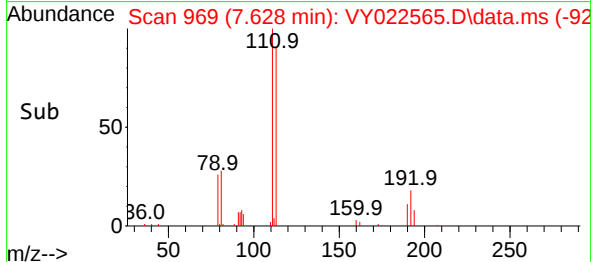
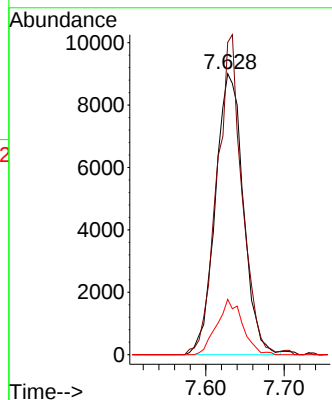
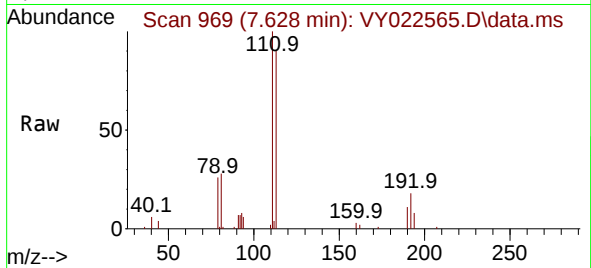




#35  
Dibromofluoromethane  
Concen: 48.861 ug/l  
RT: 7.628 min Scan# 90  
Delta R.T. -0.012 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

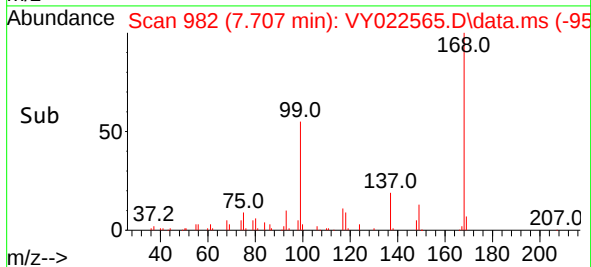
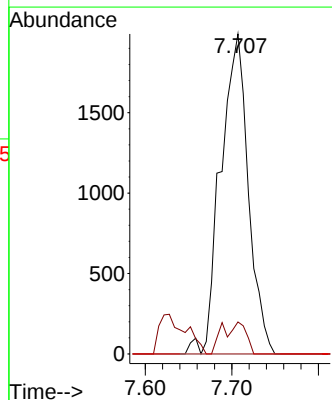
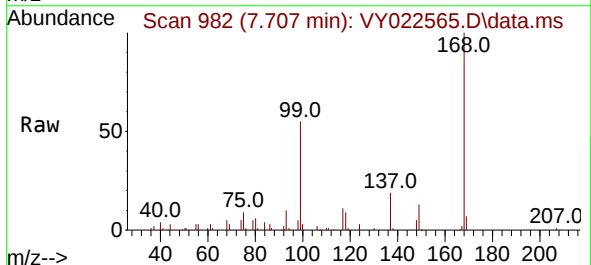
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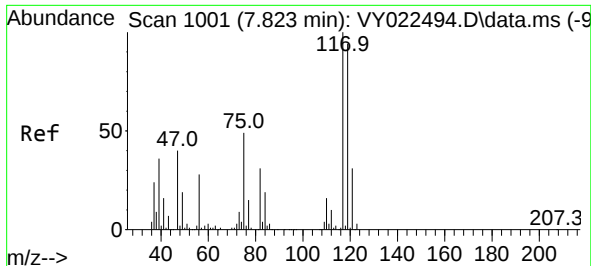
Tgt Ion:113 Resp: 22388  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.1 121.7  
192 18.1 14.2 21.2



#36  
1,1-Dichloropropene  
Concen: 5.936 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion: 75 Resp: 4414  
Ion Ratio Lower Upper  
75 100  
110 5.1 16.9 50.7#  
77 0.0 24.8 37.2#

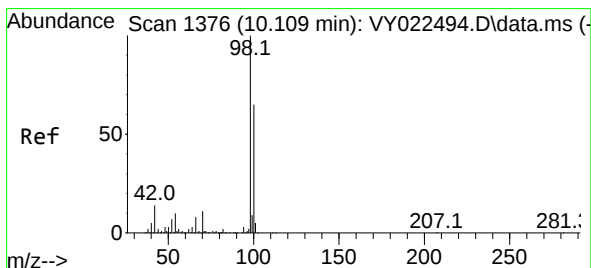
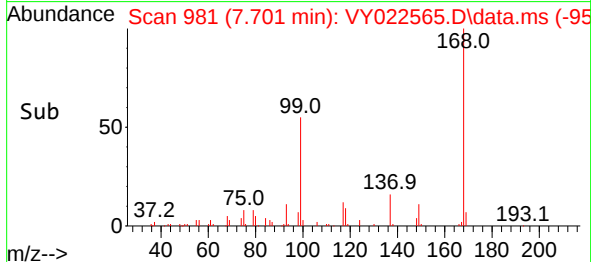
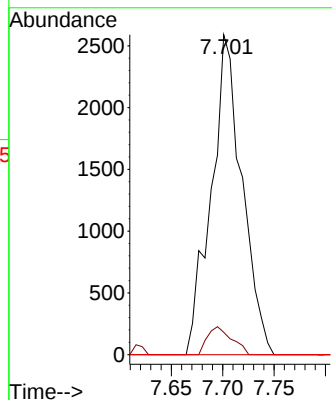
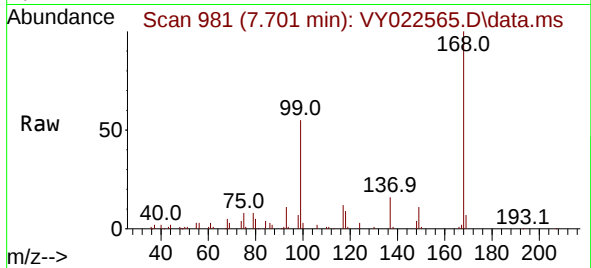




#38  
Carbon Tetrachloride  
Concen: 7.073 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

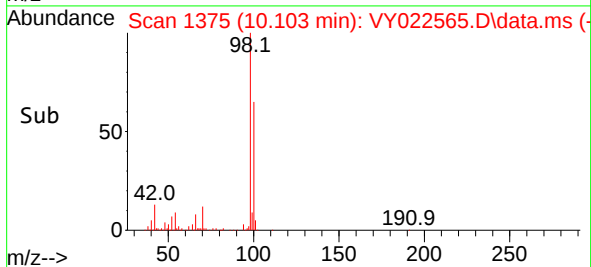
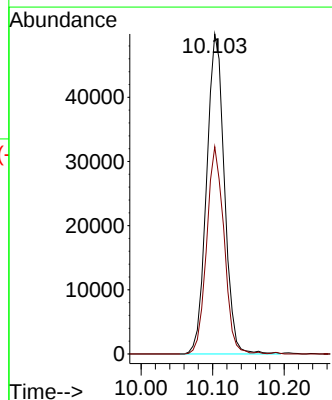
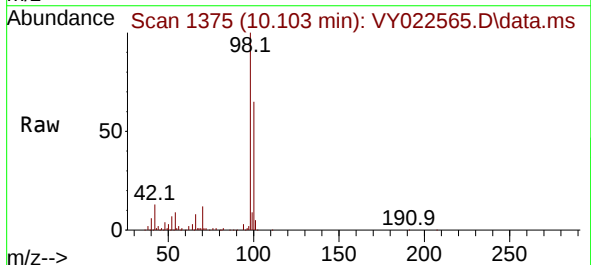
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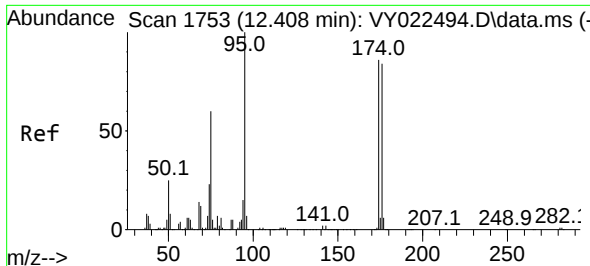
Tgt Ion:117 Resp: 5396  
Ion Ratio Lower Upper  
117 100  
119 7.0 75.0 112.6#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 46.409 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion: 98 Resp: 85922  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.4 77.0

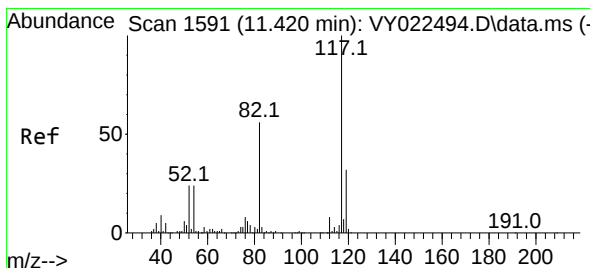
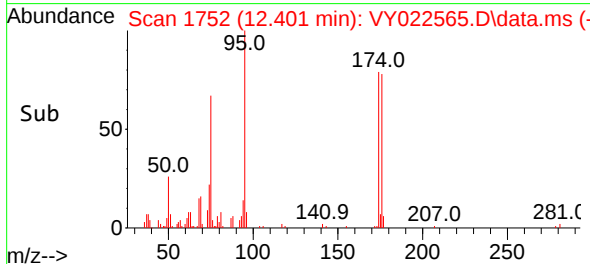
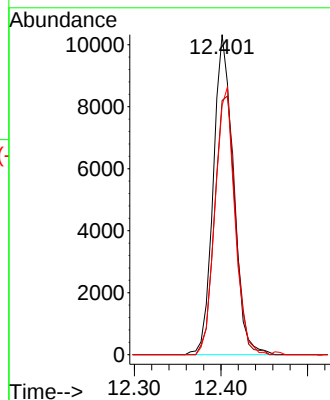
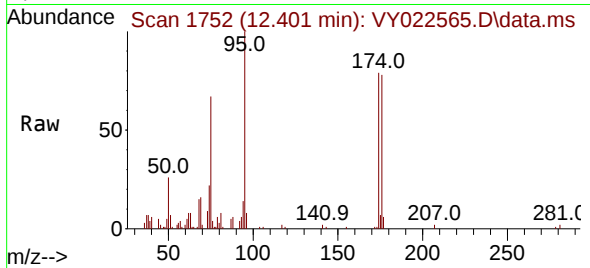




#62  
4-Bromofluorobenzene  
Concen: 30.057 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

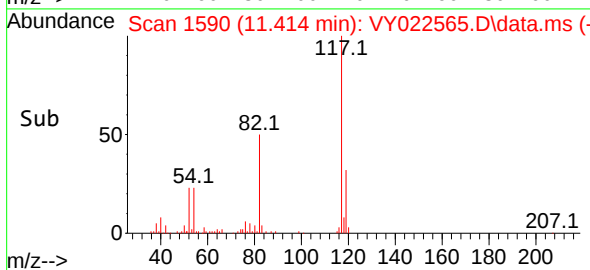
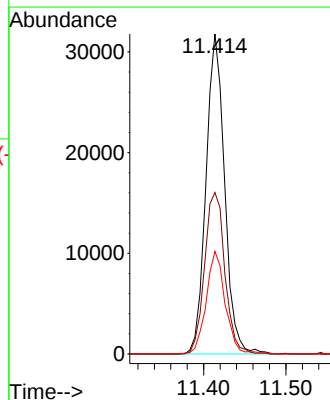
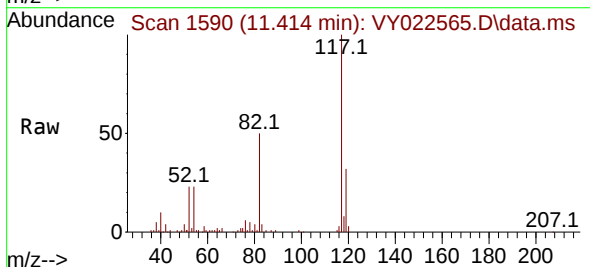
Instrument :  
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ClientSampleId :  
72-11978

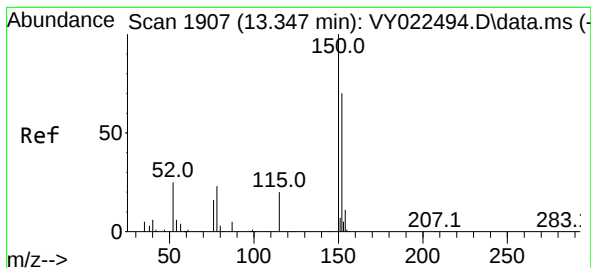
Tgt Ion: 95 Resp: 16580  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 170.0  
176 82.1 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion: 117 Resp: 50072  
Ion Ratio Lower Upper  
117 100  
82 50.5 44.6 66.8  
119 32.1 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: VY022565.D

Acq: 05 Jun 2025 11:35

Instrument :

MSVOA\_Y

ClientSampleId :

72-11978

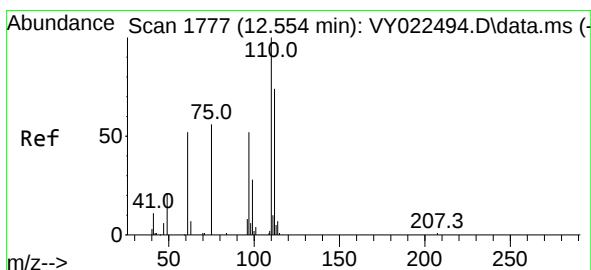
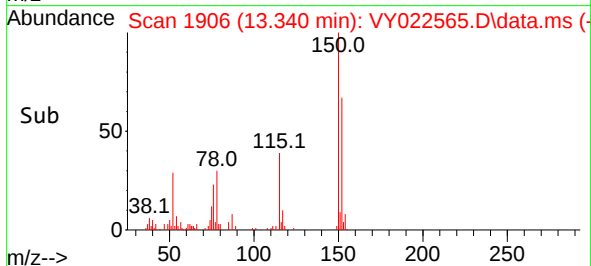
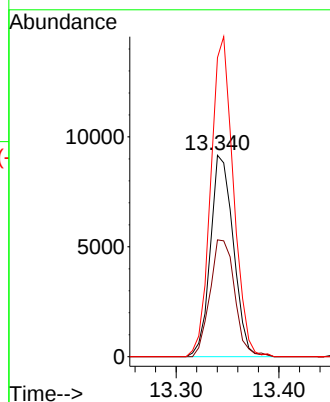
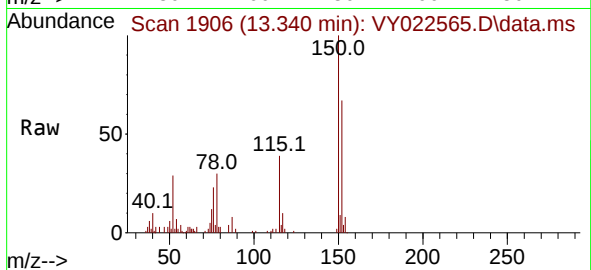
Tgt Ion:152 Resp: 14250

Ion Ratio Lower Upper

152 100

115 62.1 28.9 86.7

150 156.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 61.978 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022565.D

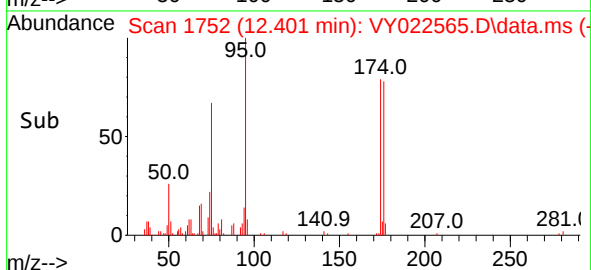
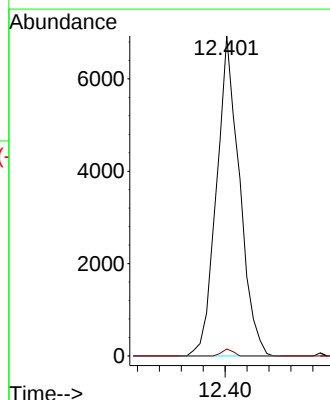
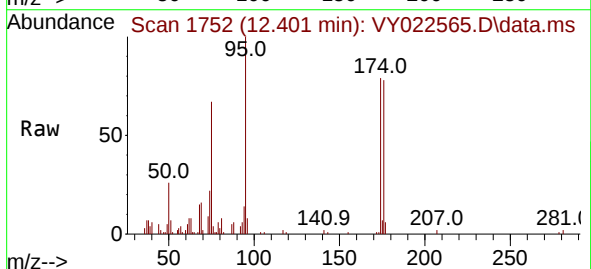
Acq: 05 Jun 2025 11:35

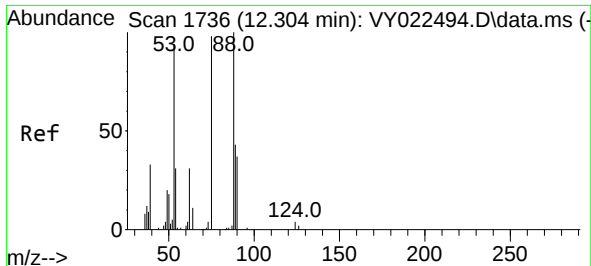
Tgt Ion: 75 Resp: 10104

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

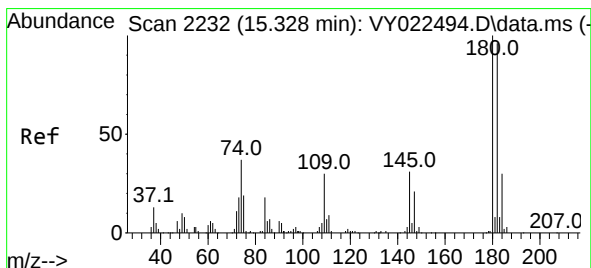
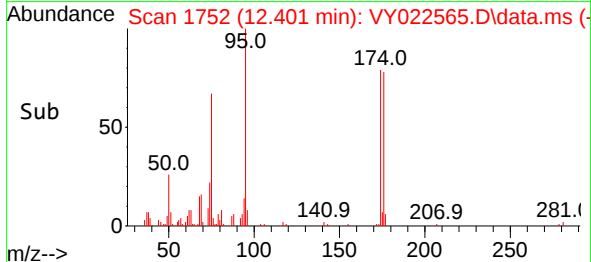
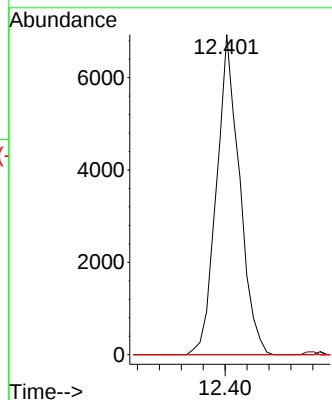
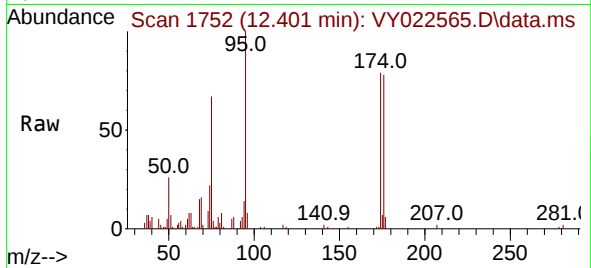




#81  
trans-1,4-Dichloro-2-butene  
Concen: 149.673 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-11978

Tgt Ion: 75 Resp: 10104  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.5 117.7#  
89 0.0 35.7 53.5#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.028 ug/l  
RT: 15.315 min Scan# 2230  
Delta R.T. -0.012 min  
Lab File: VY022565.D  
Acq: 05 Jun 2025 11:35

Tgt Ion:180 Resp: 204  
Ion Ratio Lower Upper  
180 100  
182 110.8 47.1 141.3  
145 22.1 15.2 45.6

