

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040225\  
 Data File : VY021753.D  
 Acq On : 02 Apr 2025 12:34  
 Operator : SY/MD  
 Sample : Q1692-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NB-08-04012025RE

Quant Time: Apr 03 03:35:22 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

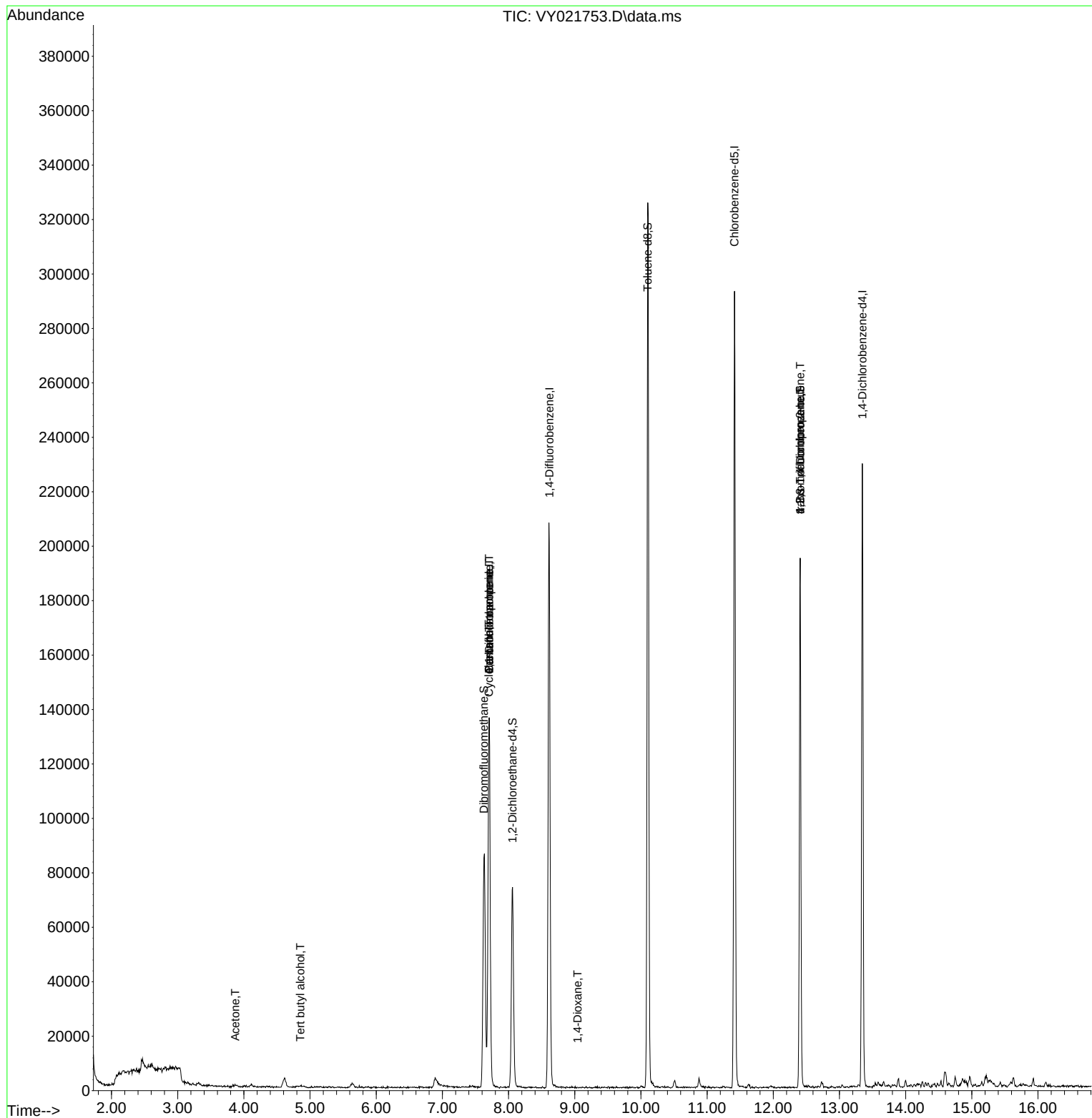
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.707          | 168  | 100947              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615          | 114  | 173709              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 150448              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 56708               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 58329               | 53.330    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 106.660% |           |        |          |
| 35) Dibromofluoromethane      | 7.628          | 113  | 61482               | 54.562    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.120% |           |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 208259              | 48.582    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 97.160%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.407         | 95   | 58253               | 40.175    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 80.340%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.854          | 59   | 267                 | 3.758     | ug/l # | 85       |
| 16) Acetone                   | 3.872          | 43   | 1429                | 6.384     | ug/l # | 86       |
| 20) Methylene Chloride        | 4.604          | 84   | 1138                | Below Cal | #      | 69       |
| 31) Cyclohexane               | 7.701          | 56   | 2411                | 1.249     | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 8639                | 5.033     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.707          | 117  | 10750               | 5.469     | ug/l # | 18       |
| 49) 1,4-Dioxane               | 9.042          | 88   | 27                  | 3.594     | ug/l # | 21       |
| 76) 1,2,3-Trichloropropane    | 12.407         | 75   | 31918               | 56.781    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407         | 75   | 31918               | 130.834   | ug/l # | 12       |
| -----                         |                |      |                     |           |        |          |

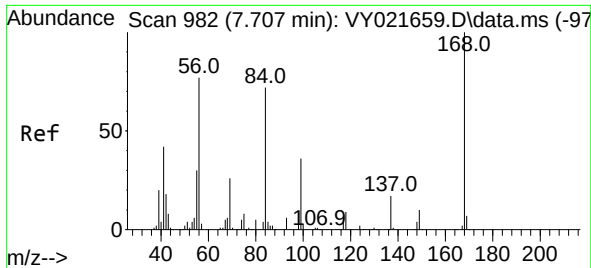
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 28 02:30:29 2025  
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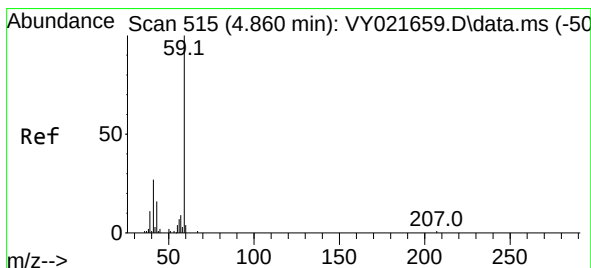
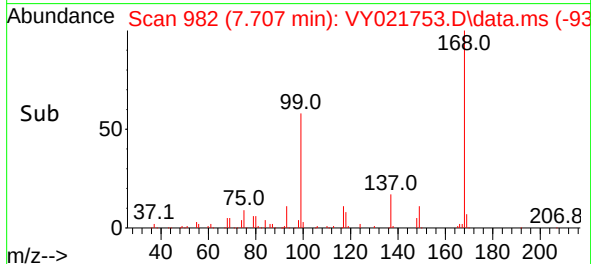
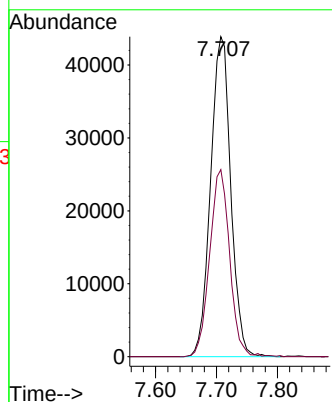
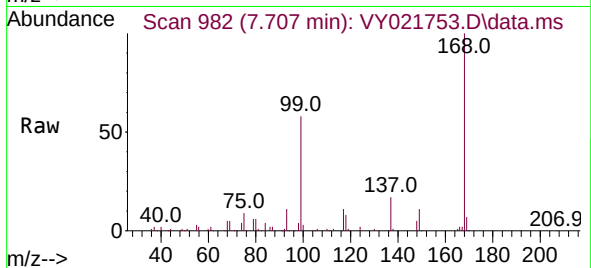




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

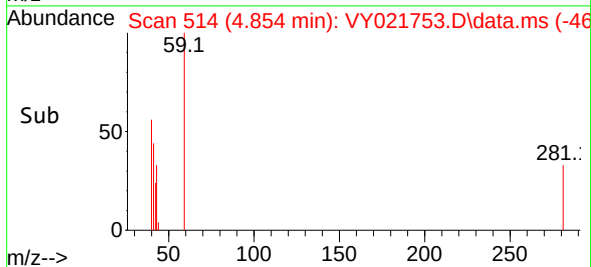
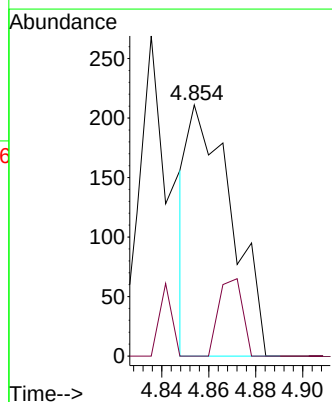
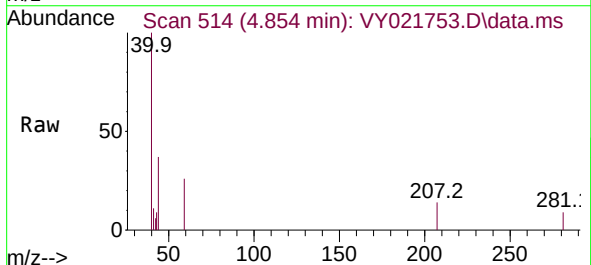
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-08-04012025RE

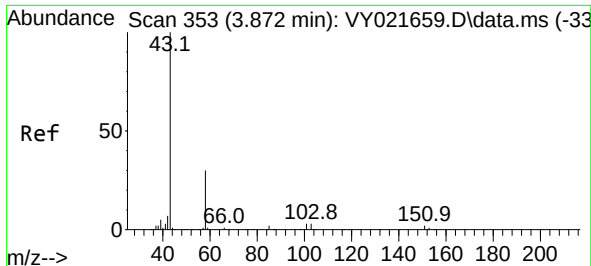
Tgt Ion:168 Resp: 100947  
Ion Ratio Lower Upper  
168 100  
99 58.4 46.7 70.1



#11  
Tert butyl alcohol  
Concen: 3.758 ug/l  
RT: 4.854 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

Tgt Ion: 59 Resp: 267  
Ion Ratio Lower Upper  
59 100  
57 17.2 9.2 13.8#

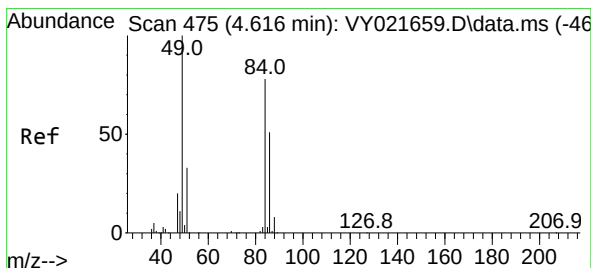
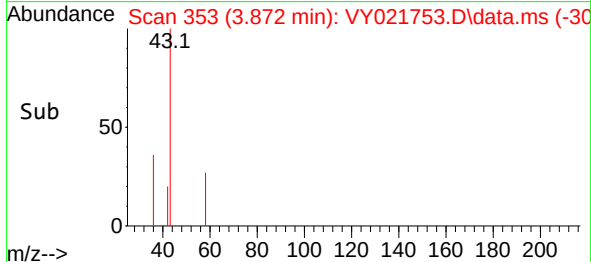
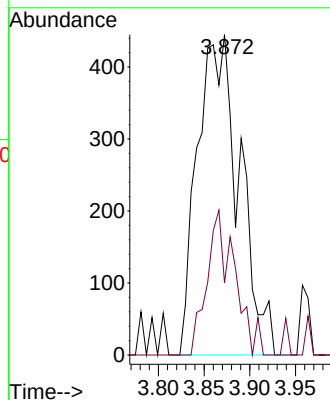
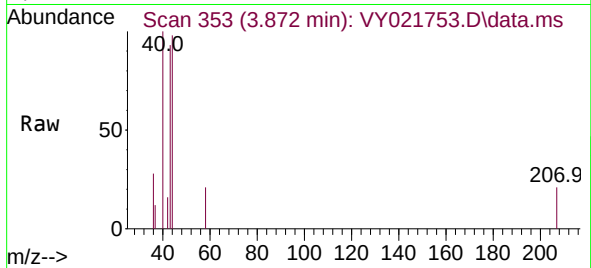




#16  
Acetone  
Concen: 6.384 ug/l  
RT: 3.872 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

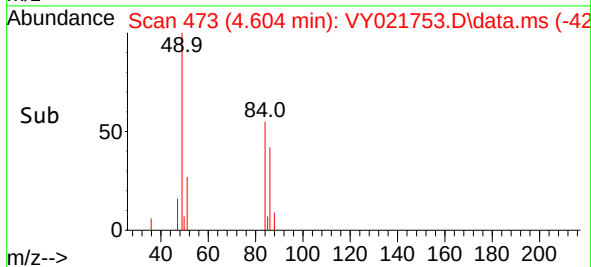
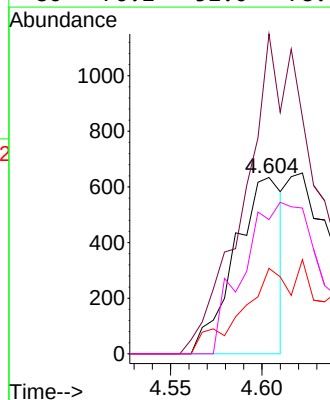
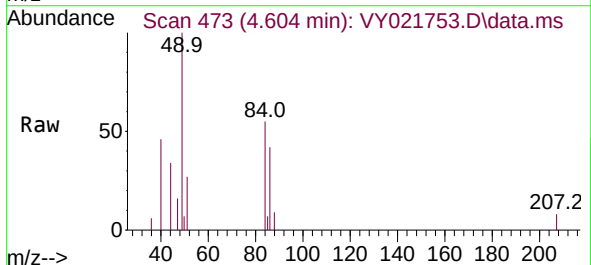
Instrument :  
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ClientSampleId :  
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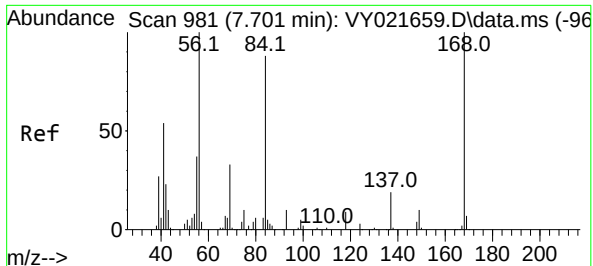
Tgt Ion: 43 Resp: 1429  
Ion Ratio Lower Upper  
43 100  
58 22.5 24.2 36.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.604 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

Tgt Ion: 84 Resp: 1138  
Ion Ratio Lower Upper  
84 100  
49 181.4 102.8 154.2#  
51 48.4 33.5 50.3  
86 76.2 52.0 78.0

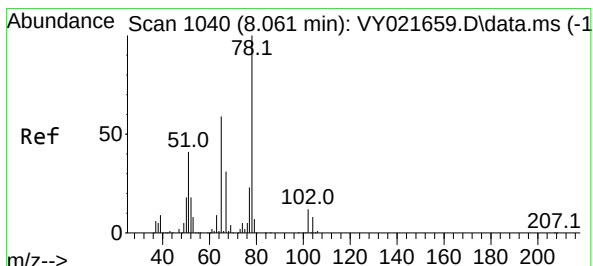
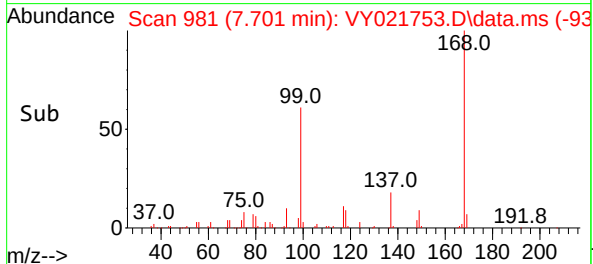
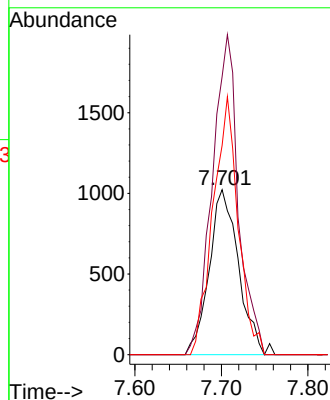
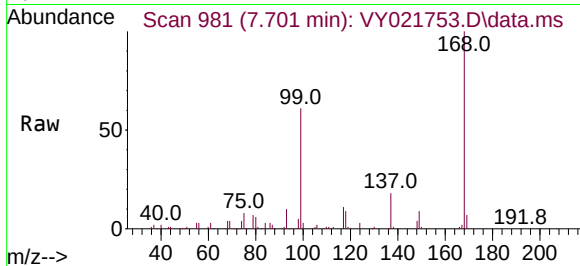




#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

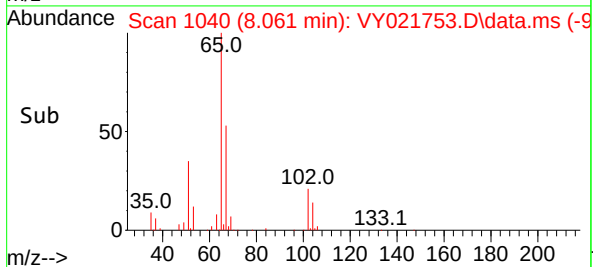
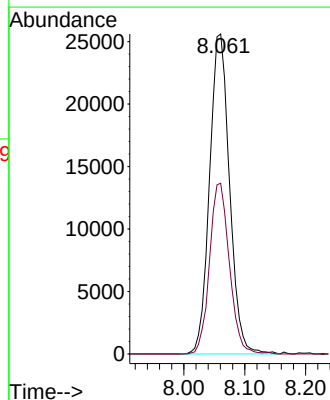
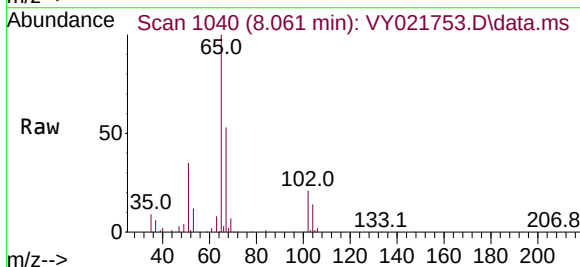
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NB-08-04012025RE

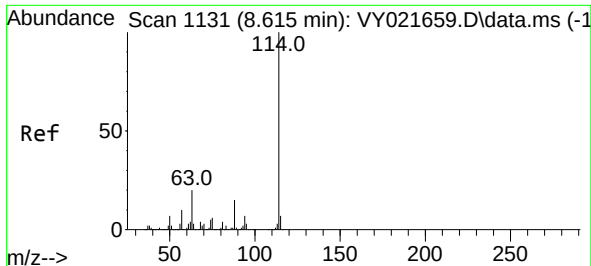
Tgt Ion: 56 Resp: 2411  
Ion Ratio Lower Upper  
56 100  
69 168.5 26.6 40.0#  
84 126.8 69.0 103.4#



#33  
1,2-Dichloroethane-d4  
Concen: 53.330 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

Tgt Ion: 65 Resp: 58329  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 104.6

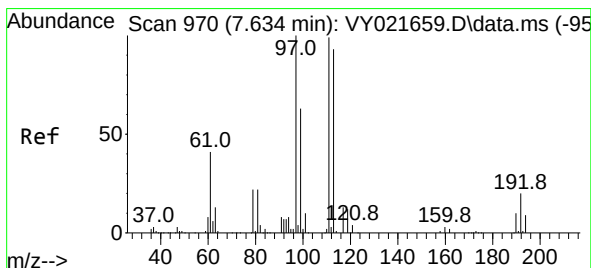
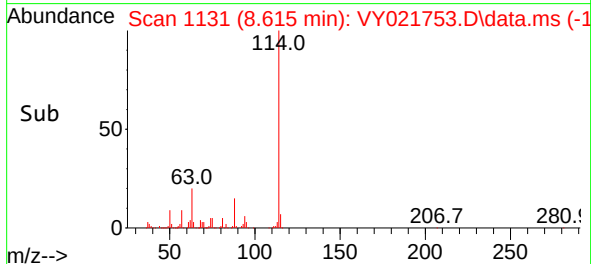
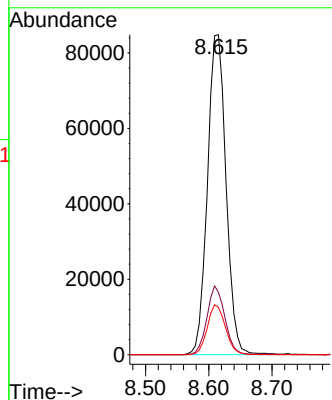
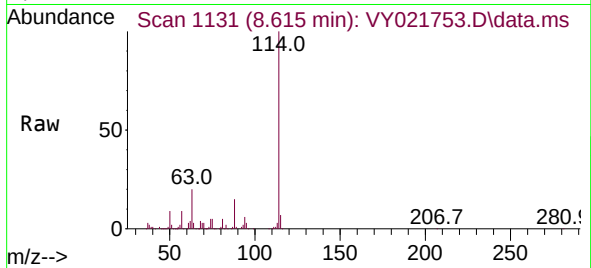




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

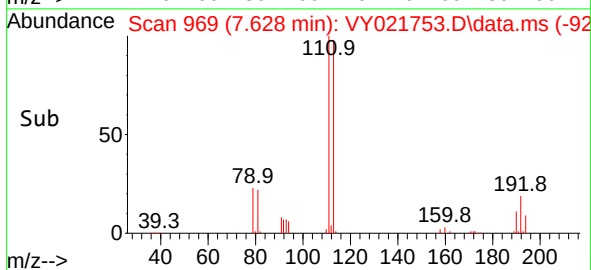
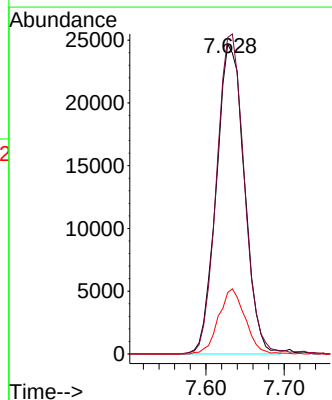
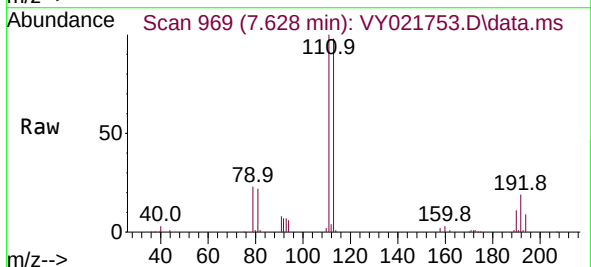
Instrument :  
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ClientSampleId :  
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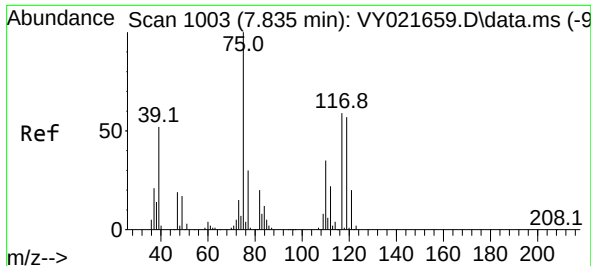
Tgt Ion:114 Resp: 173709  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 40.2  
88 14.8 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 54.562 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

Tgt Ion:113 Resp: 61482  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.6 123.8  
192 19.9 16.2 24.4

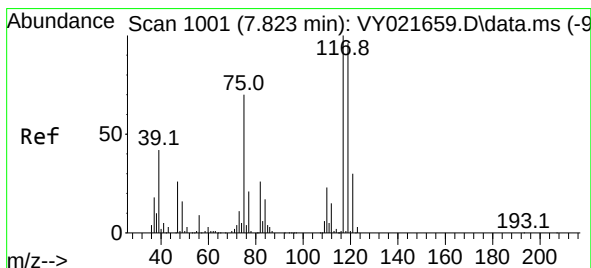
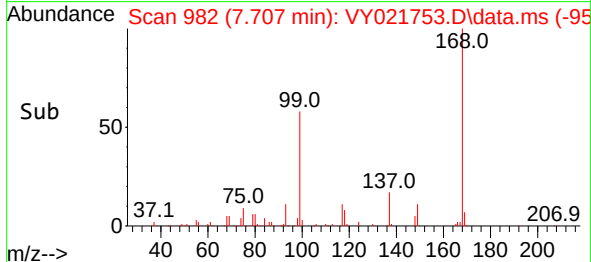
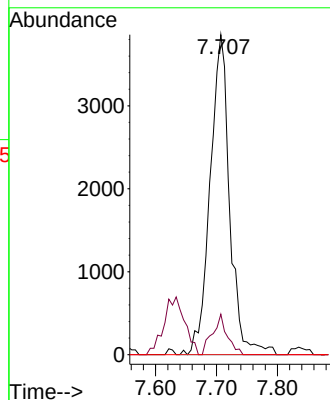
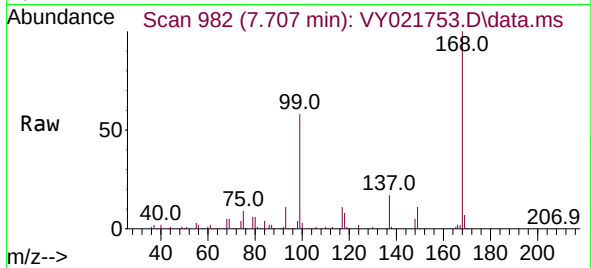




#36  
1,1-Dichloropropene  
Concen: 5.033 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

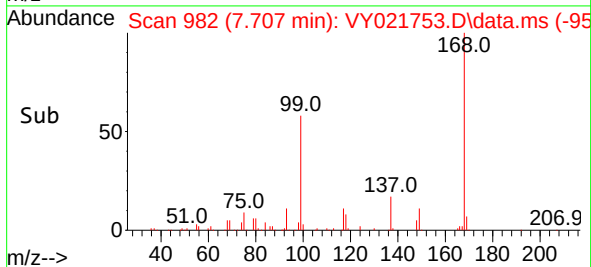
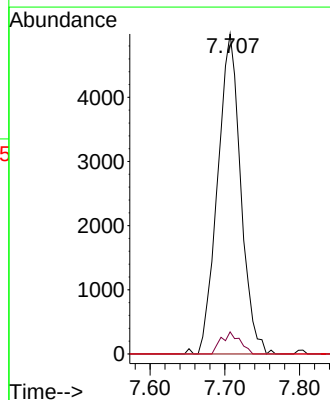
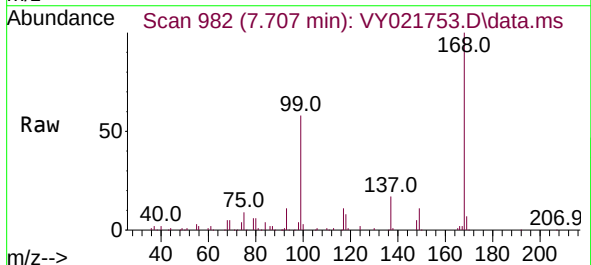
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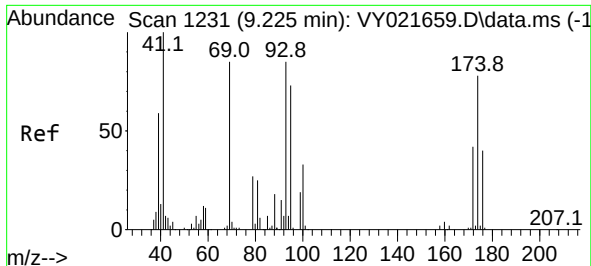
Tgt Ion: 75 Resp: 8639  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.0 50.9#  
77 0.0 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 5.469 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY021753.D  
Acq: 02 Apr 2025 12:34

Tgt Ion: 117 Resp: 10750  
Ion Ratio Lower Upper  
117 100  
119 6.9 76.2 114.4#  
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 3.594 ug/l

RT: 9.042 min Scan# 11

Delta R.T. -0.183 min

Lab File: VY021753.D

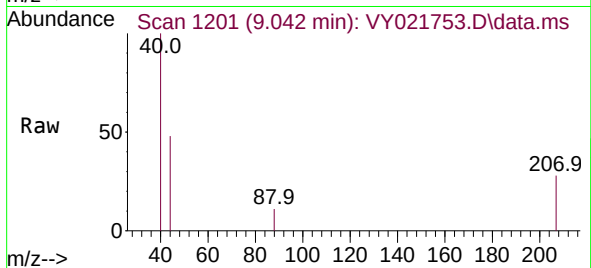
Acq: 02 Apr 2025 12:34

Instrument :

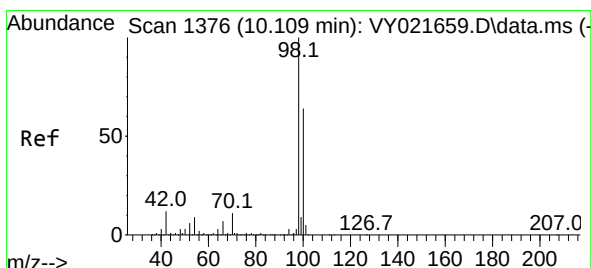
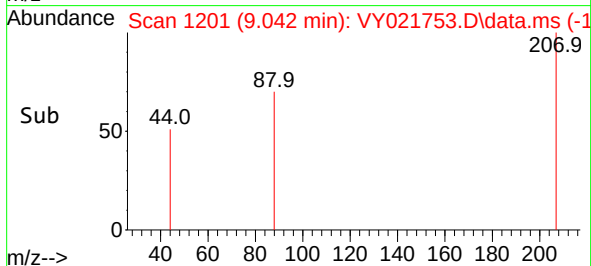
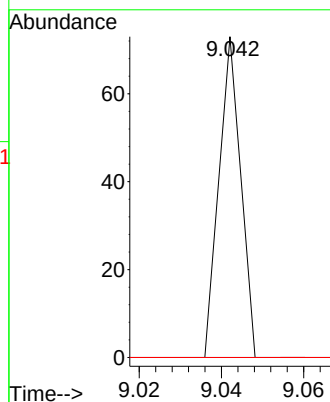
MSVOA\_Y

ClientSampleId :

NB-08-04012025RE



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 88 | Resp: | 27          |
| Ion         | Ratio | Lower Upper |
| 88          | 100   |             |
| 43          | 0.0   | 28.8 43.2#  |
| 58          | 0.0   | 59.4 89.2#  |



#50

Toluene-d8

Concen: 48.582 ug/l

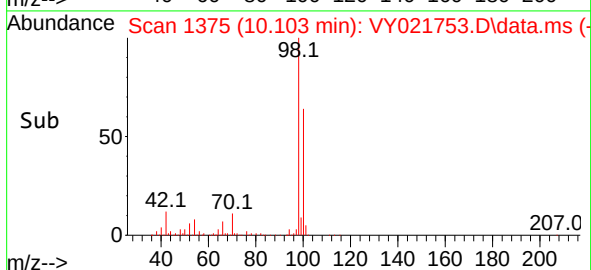
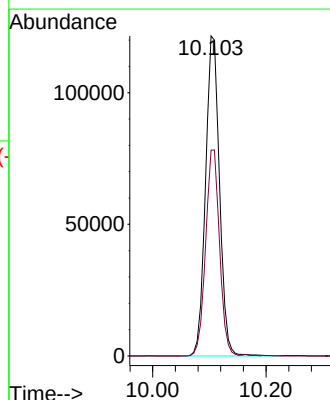
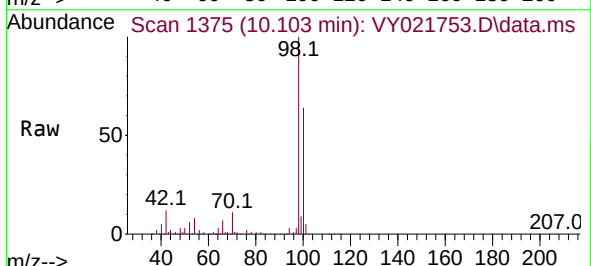
RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

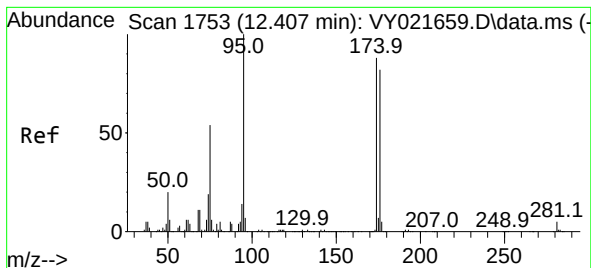
Lab File: VY021753.D

Acq: 02 Apr 2025 12:34

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 98 | Resp: | 208259      |
| Ion         | Ratio | Lower Upper |
| 98          | 100   |             |
| 100         | 64.1  | 52.1 78.1   |







#62

4-Bromofluorobenzene

Concen: 40.175 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021753.D

Acq: 02 Apr 2025 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

NB-08-04012025RE

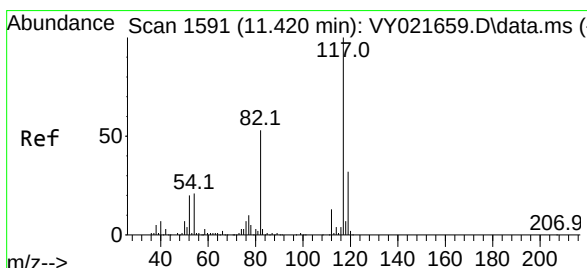
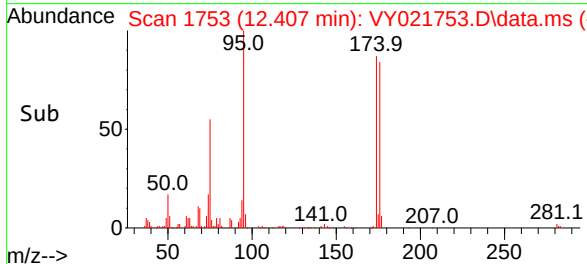
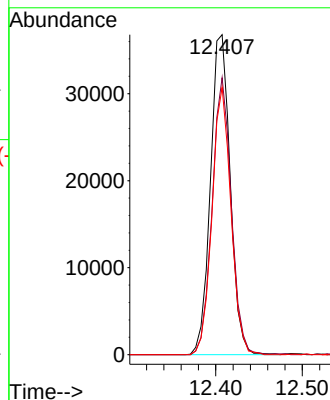
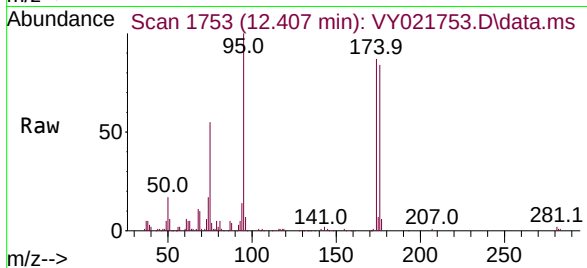
Tgt Ion: 95 Resp: 58253

Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.8

176 79.7 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021753.D

Acq: 02 Apr 2025 12:34

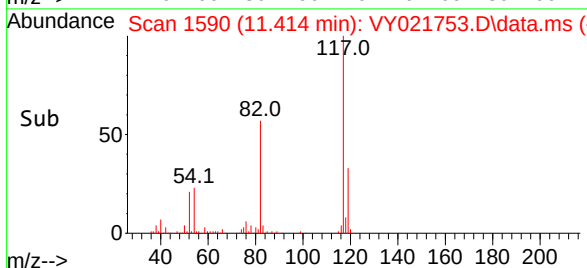
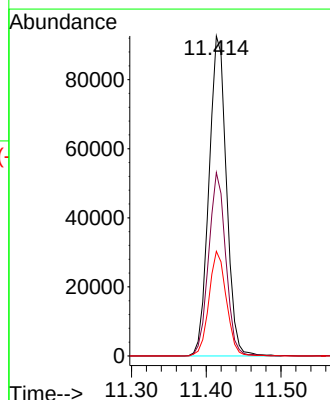
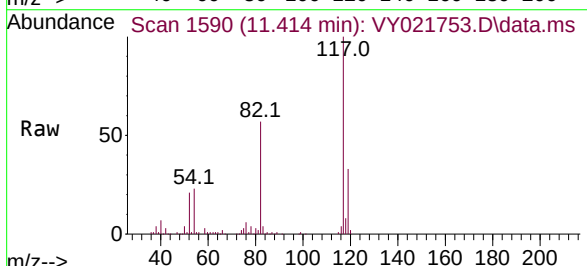
Tgt Ion: 117 Resp: 150448

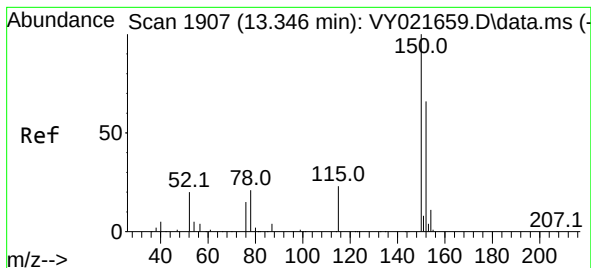
Ion Ratio Lower Upper

117 100

82 57.3 42.8 64.2

119 32.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021753.D

Acq: 02 Apr 2025 12:34

Instrument :

MSVOA\_Y

ClientSampleId :

NB-08-04012025RE

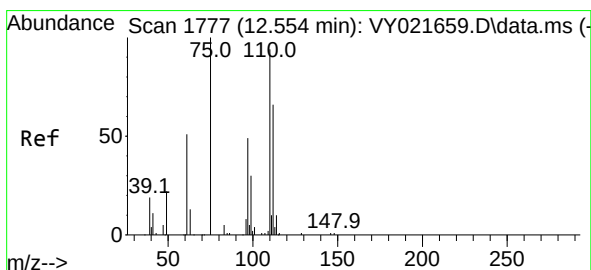
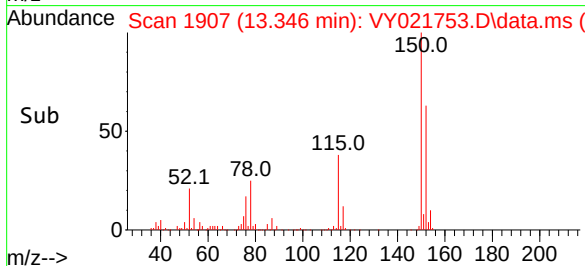
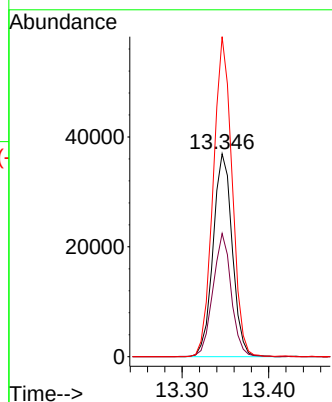
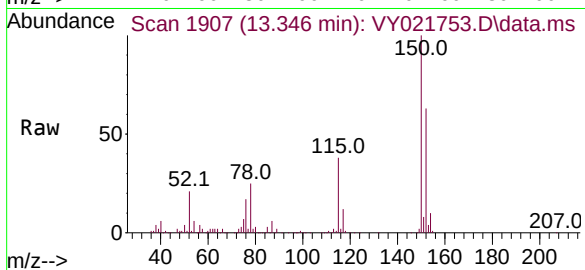
Tgt Ion:152 Resp: 56708

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.2 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 56.781 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021753.D

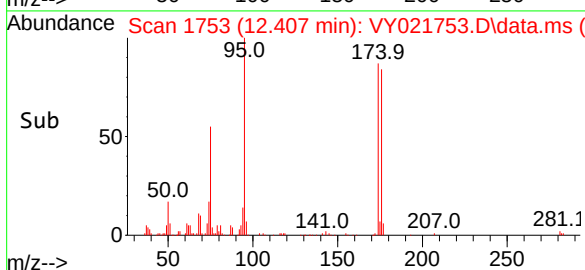
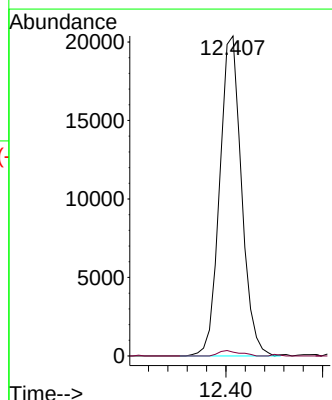
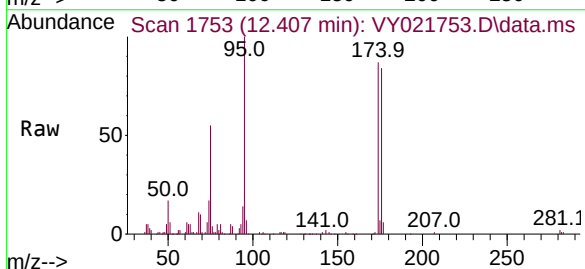
Acq: 02 Apr 2025 12:34

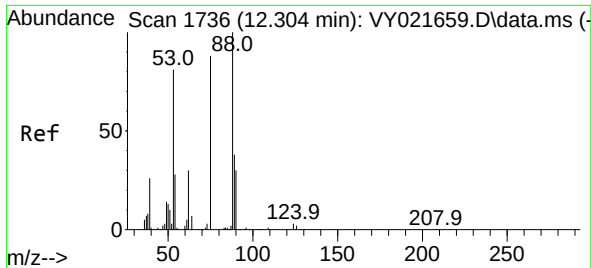
Tgt Ion: 75 Resp: 31918

Ion Ratio Lower Upper

75 100

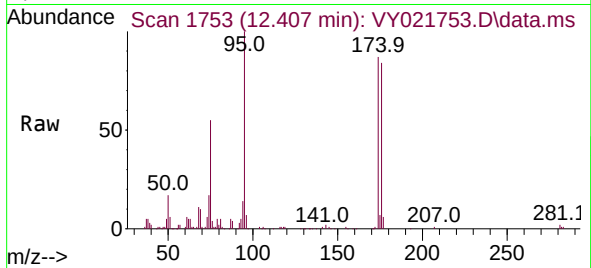
77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 130.834 ug/l  
 RT: 12.407 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY021753.D  
 Acq: 02 Apr 2025 12:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NB-08-04012025RE



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.2   | 76.1  | 114.1# |
| 89      | 0.0   | 36.2  | 54.4#  |

