

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051225\  
 Data File : VY022225.D  
 Acq On : 12 May 2025 15:25  
 Operator : SY/MD  
 Sample : Q1986-05  
 Misc : 5.41g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-10

Quant Time: May 13 02:21:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

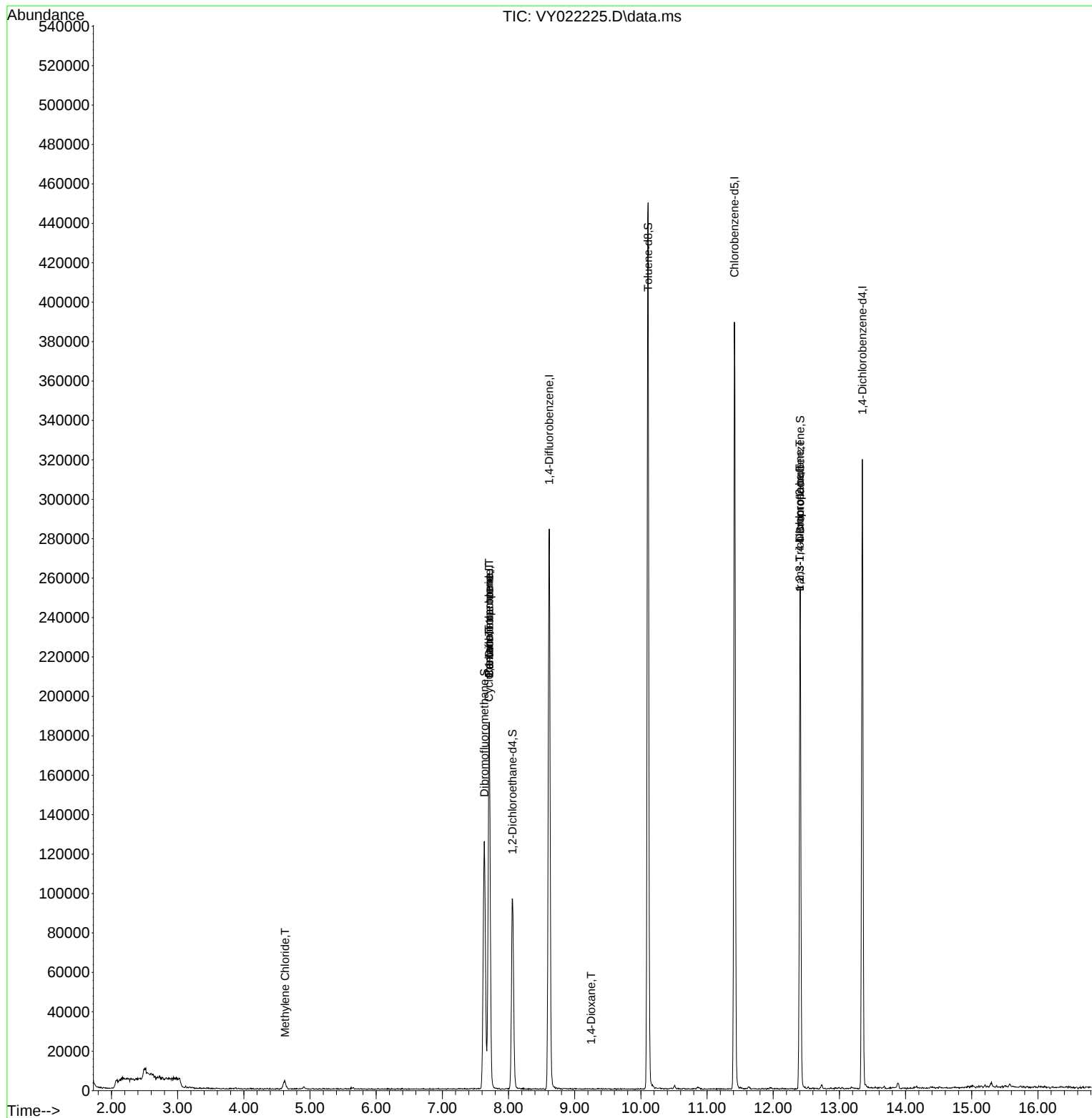
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 139984   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 248813   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 213159   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 82267    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 78090    | 60.394    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 120.780% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 89641    | 54.533    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 109.060% |          |
| 50) Toluene-d8                | 10.109    | 98    | 301278   | 48.616    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 97.240%  |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 77203    | 37.007    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 74.020%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.879     | 43    | 329      | Below Cal |            | 97       |
| 20) Methylene Chloride        | 4.622     | 84    | 3105     | 1.899     | ug/l       | 95       |
| 31) Cyclohexane               | 7.701     | 56    | 2913     | 1.363     | ug/l #     | 12       |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 10632    | 4.815     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 14848    | 5.628     | ug/l #     | 17       |
| 49) 1,4-Dioxane               | 9.249     | 88    | 25       | 2.455     | ug/l #     | 12       |
| 76) 1,2,3-Trichloropropane    | 12.401    | 75    | 37506    | 53.226    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401    | 75    | 37506    | 128.176   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

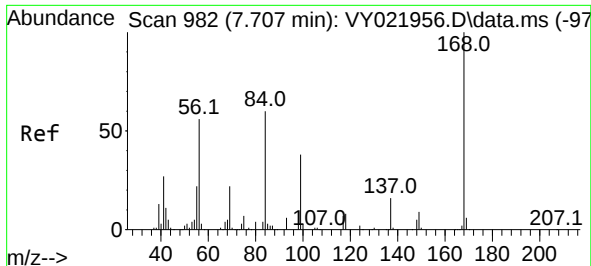
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051225\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: May 13 02:21:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

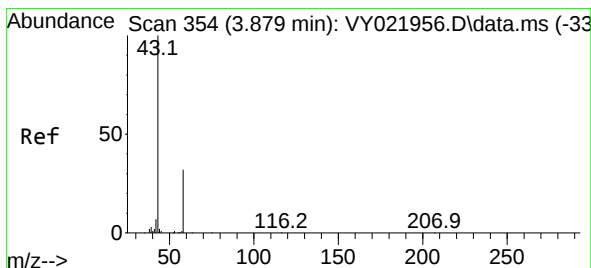
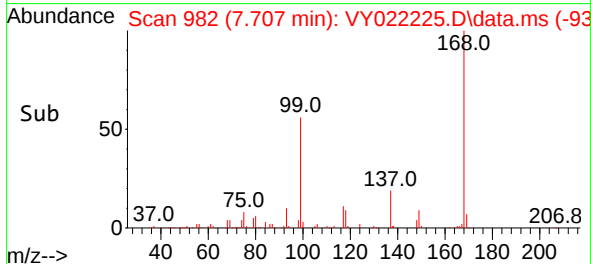
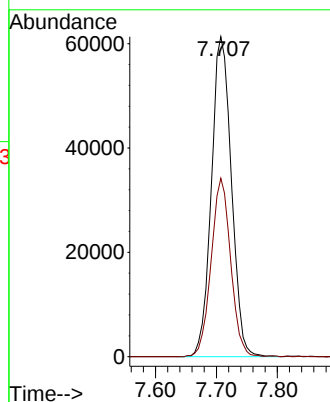
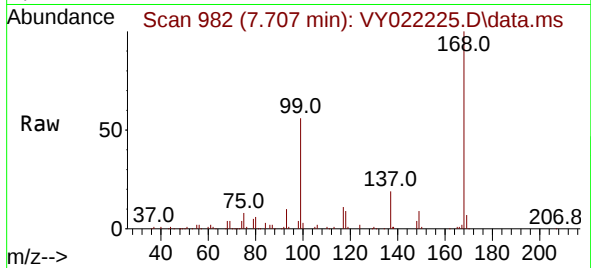




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

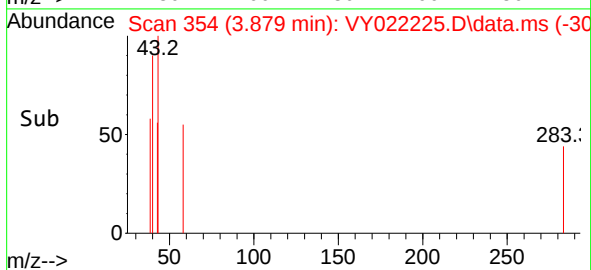
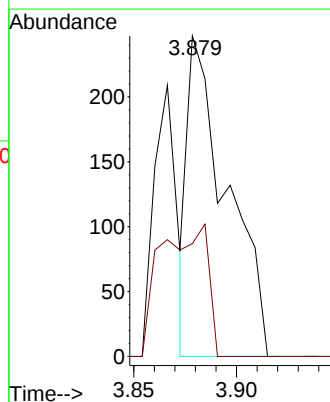
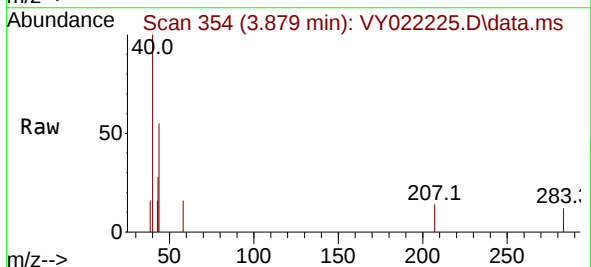
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-10

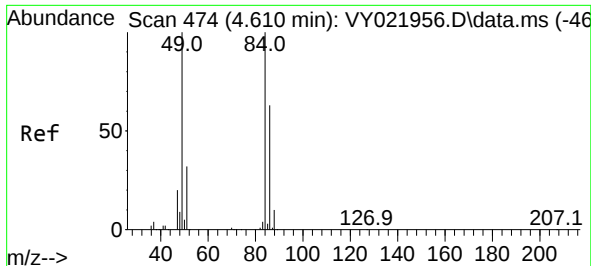
Tgt Ion:168 Resp: 139984  
Ion Ratio Lower Upper  
168 100  
99 55.7 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.879 min Scan# 354  
Delta R.T. -0.000 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Tgt Ion: 43 Resp: 329  
Ion Ratio Lower Upper  
43 100  
58 35.2 27.0 40.4



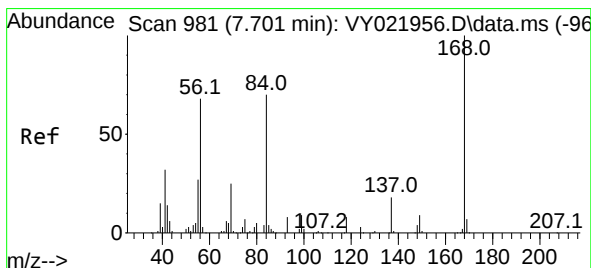
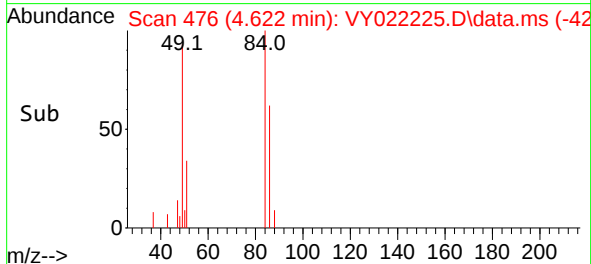
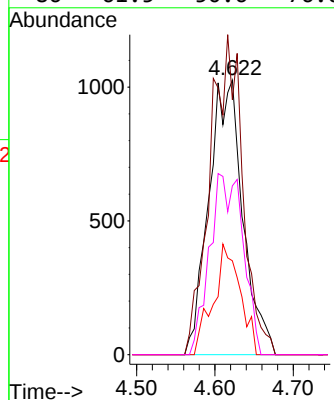
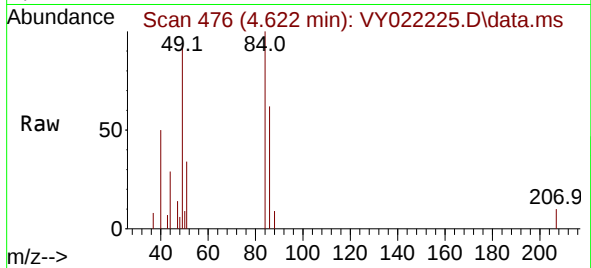


#20  
Methylene Chloride  
Concen: 1.899 ug/l  
RT: 4.622 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-10

Tgt Ion: 84 Resp: 3105

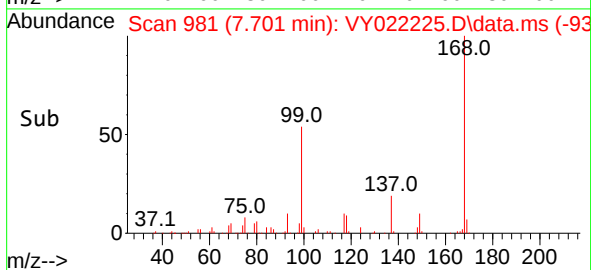
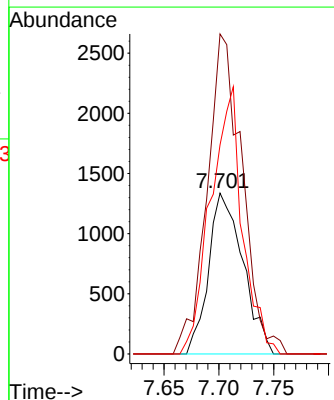
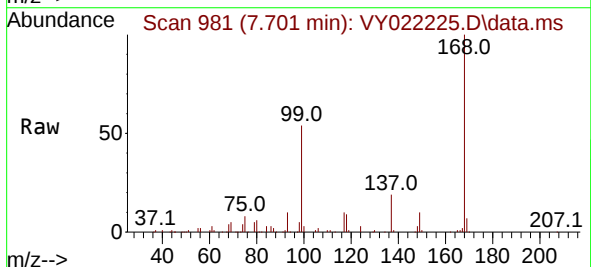
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 92.9  | 79.9  | 119.9 |
| 51  | 34.2  | 25.4  | 38.0  |
| 86  | 61.5  | 50.6  | 76.0  |

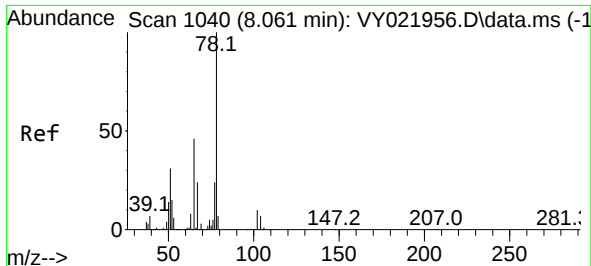


#31  
Cyclohexane  
Concen: 1.363 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Tgt Ion: 56 Resp: 2913

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 190.6 | 29.4  | 44.2#  |
| 84  | 130.0 | 82.2  | 123.4# |





#33

1,2-Dichloroethane-d4

Concen: 60.394 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022225.D

Acq: 12 May 2025 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

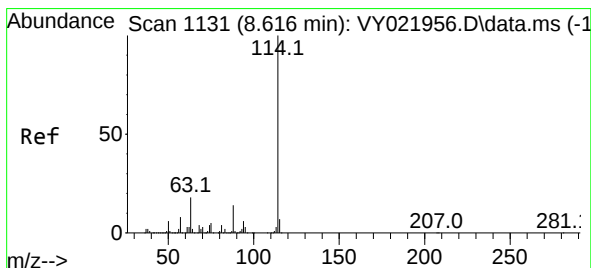
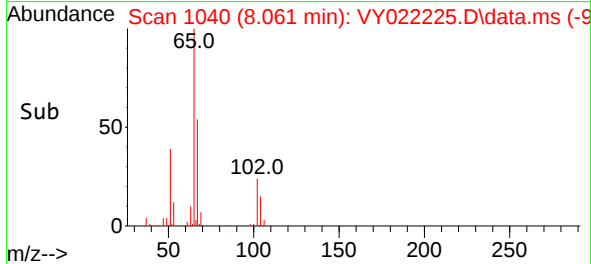
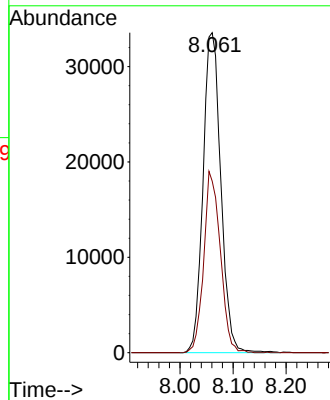
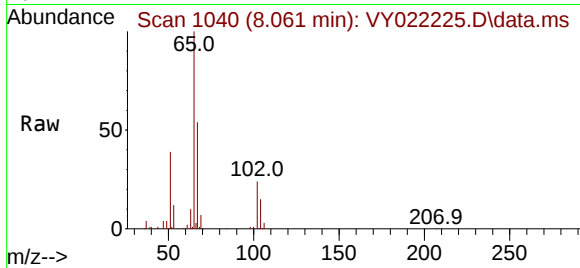
COMP-10

Tgt Ion: 65 Resp: 78090

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022225.D

Acq: 12 May 2025 15:25

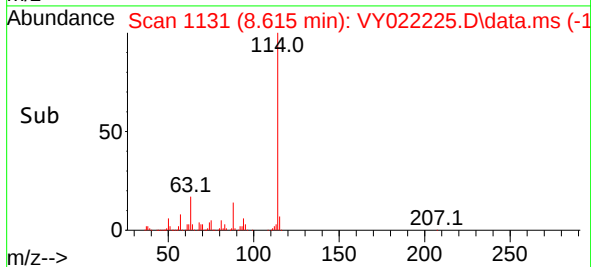
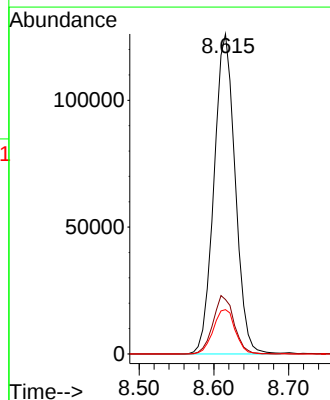
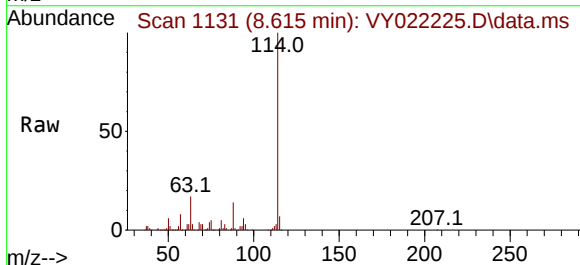
Tgt Ion: 114 Resp: 248813

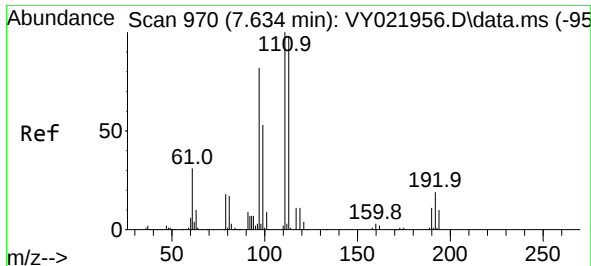
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 13.9 0.0 28.2

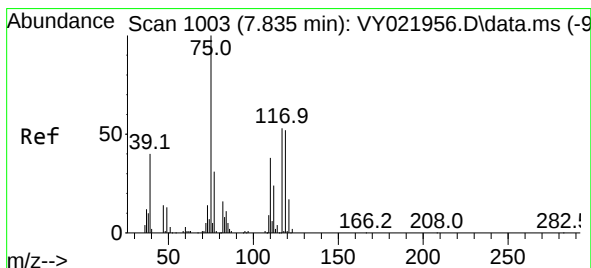
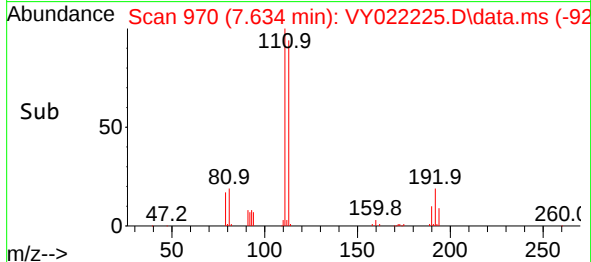
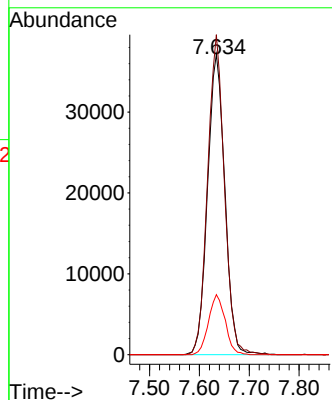
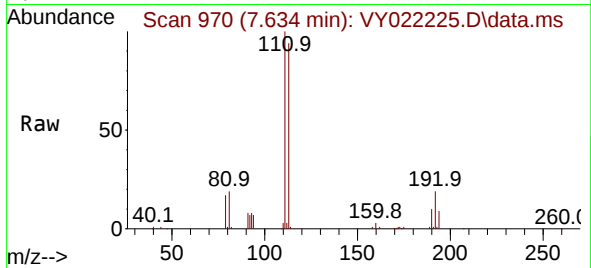




#35  
Dibromofluoromethane  
Concen: 54.533 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

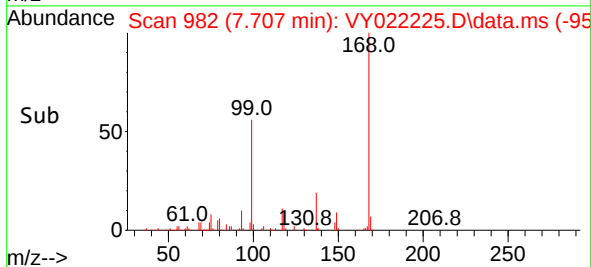
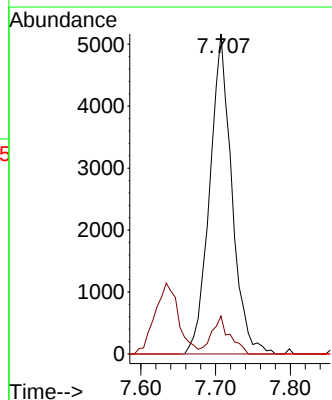
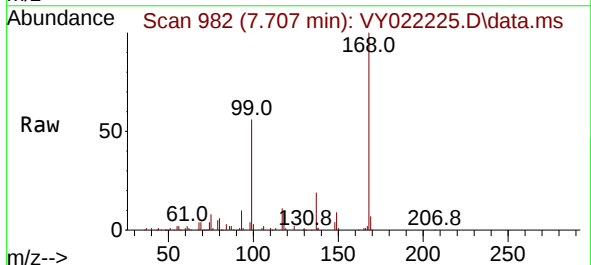
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-10

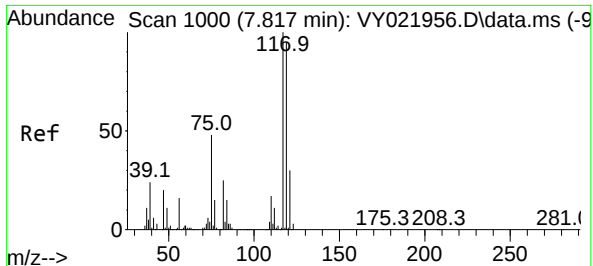
Tgt Ion:113 Resp: 89641  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.8 122.8  
192 19.2 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.815 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Tgt Ion: 75 Resp: 10632  
Ion Ratio Lower Upper  
75 100  
110 9.6 19.1 57.3#  
77 0.0 25.5 38.3#

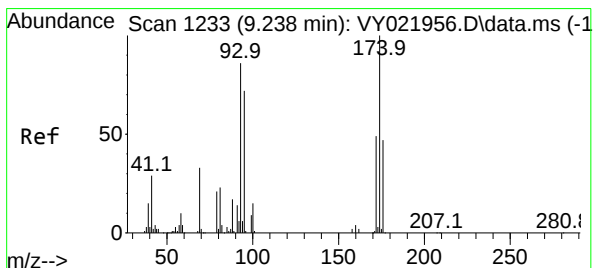
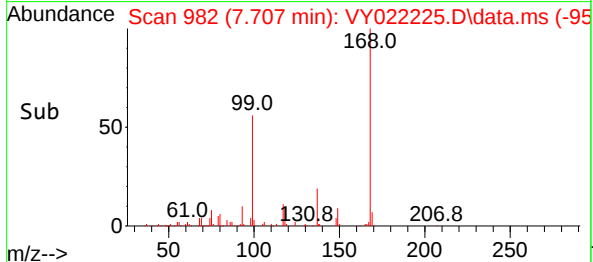
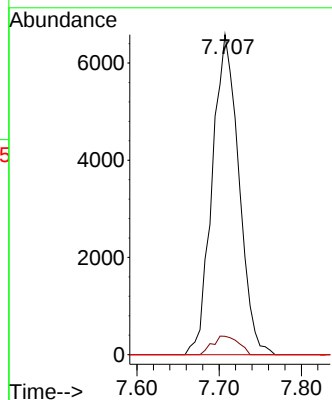
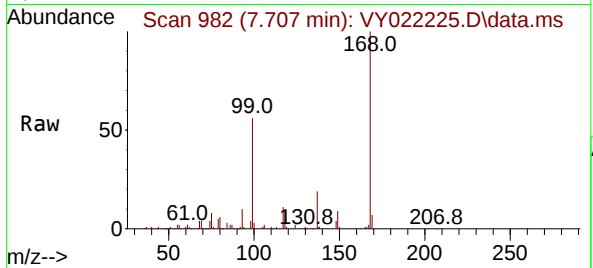




#38  
Carbon Tetrachloride  
Concen: 5.628 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

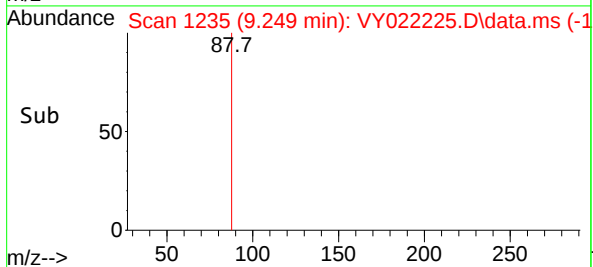
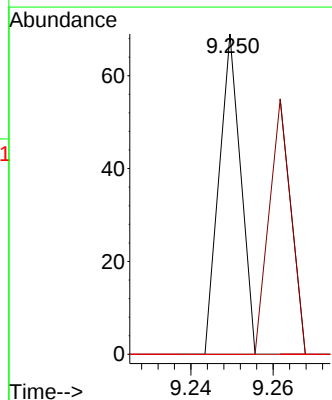
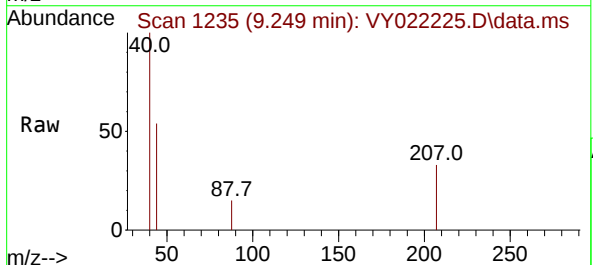
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ClientSampleId :  
COMP-10

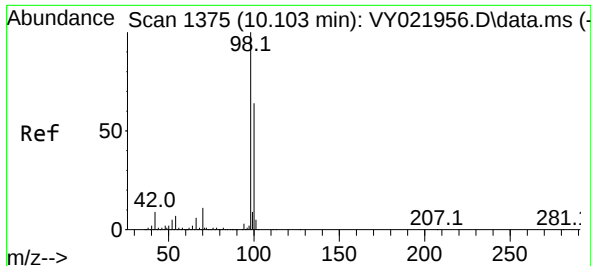
Tgt Ion:117 Resp: 14848  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.2 114.4#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 2.455 ug/l  
RT: 9.249 min Scan# 1235  
Delta R.T. 0.012 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Tgt Ion: 88 Resp: 25  
Ion Ratio Lower Upper  
88 100  
43 80.0 21.3 31.9#  
58 0.0 50.5 75.7#

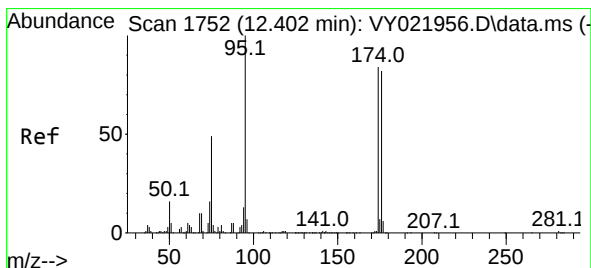
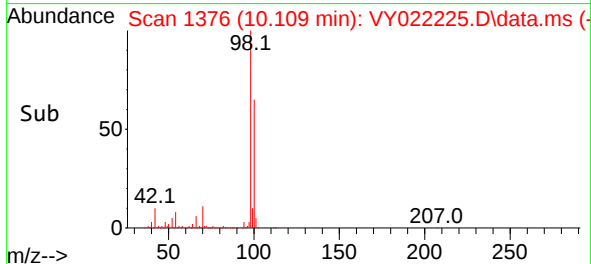
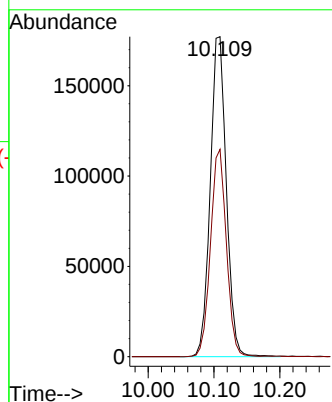
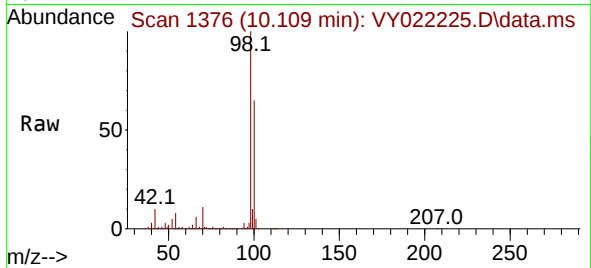




#50  
Toluene-d8  
Concen: 48.616 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

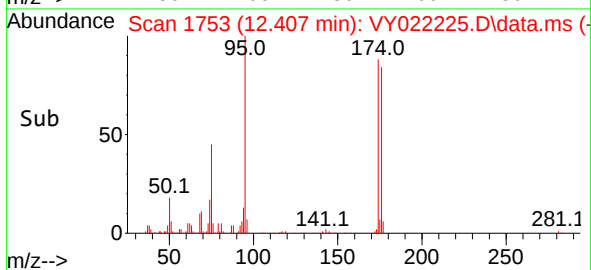
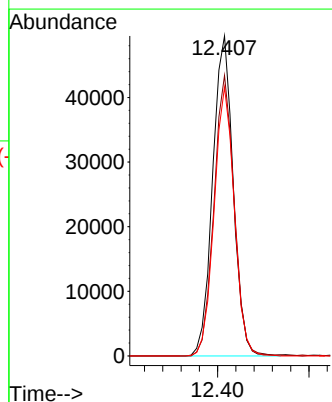
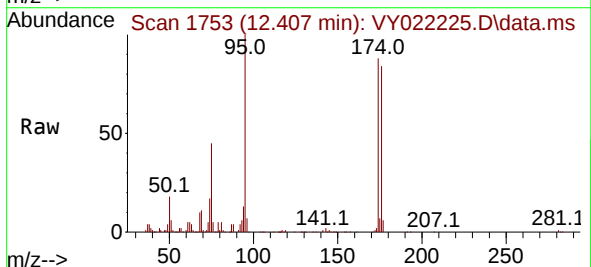
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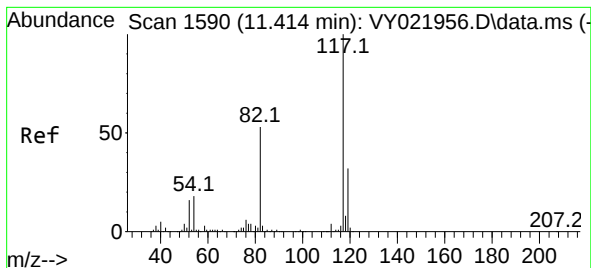
Tgt Ion: 98 Resp: 301278  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 37.007 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022225.D  
Acq: 12 May 2025 15:25

Tgt Ion: 95 Resp: 77203  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 179.0  
176 82.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022225.D

Acq: 12 May 2025 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-10

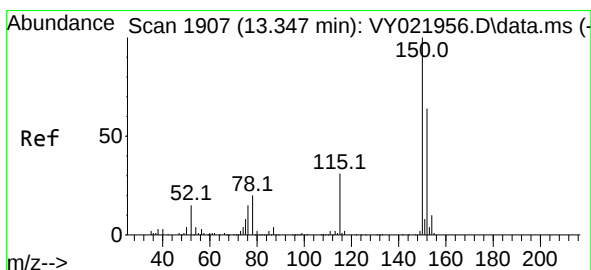
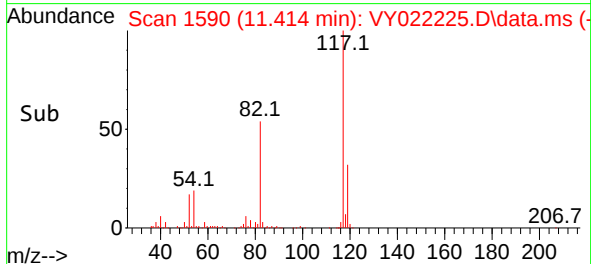
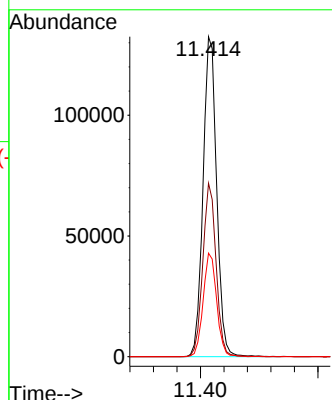
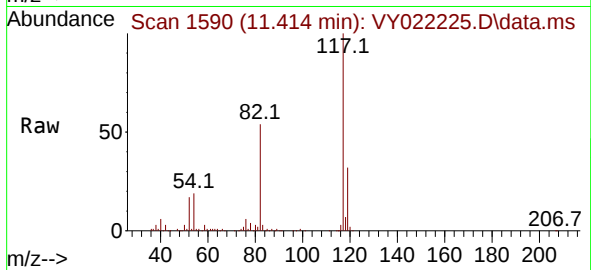
Tgt Ion:117 Resp: 213159

Ion Ratio Lower Upper

117 100

82 54.2 42.1 63.1

119 32.4 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: VY022225.D

Acq: 12 May 2025 15:25

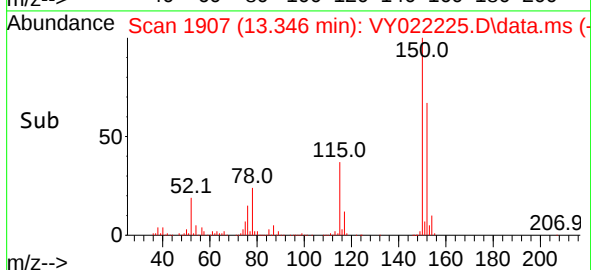
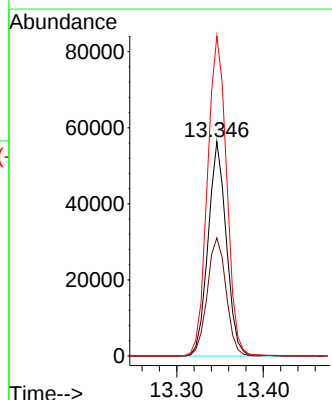
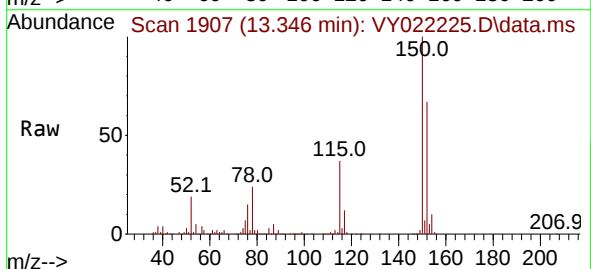
Tgt Ion:152 Resp: 82267

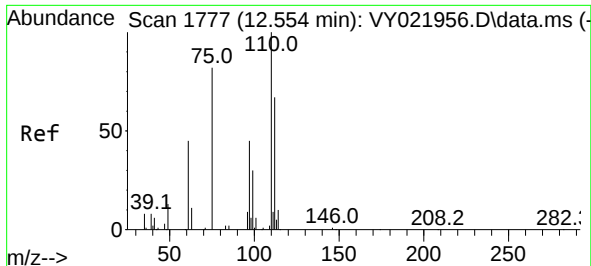
Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 157.6 0.0 345.6

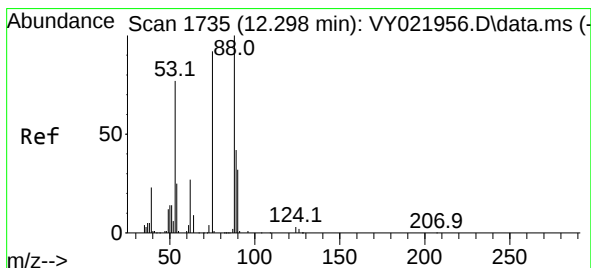
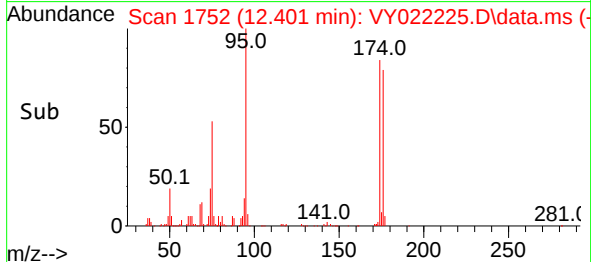
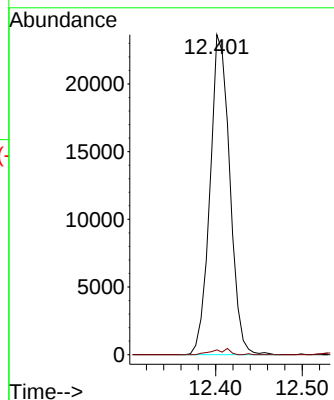
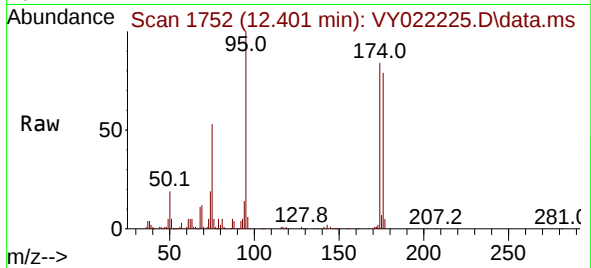




#76  
 1,2,3-Trichloropropane  
 Concen: 53.226 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. -0.153 min  
 Lab File: VY022225.D  
 Acq: 12 May 2025 15:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-10

Tgt Ion: 75 Resp: 37506  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 128.176 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. 0.103 min  
 Lab File: VY022225.D  
 Acq: 12 May 2025 15:25

Tgt Ion: 75 Resp: 37506  
 Ion Ratio Lower Upper  
 75 100  
 53 0.4 66.0 99.0#  
 89 0.0 37.2 55.8#

