

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042925\  
 Data File : VY022064.D  
 Acq On : 29 Apr 2025 18:14  
 Operator : SY/MD  
 Sample : Q1883-01  
 Misc : 11.64g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-PCS-TC-27-042325

Quant Time: Apr 30 01:35:45 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

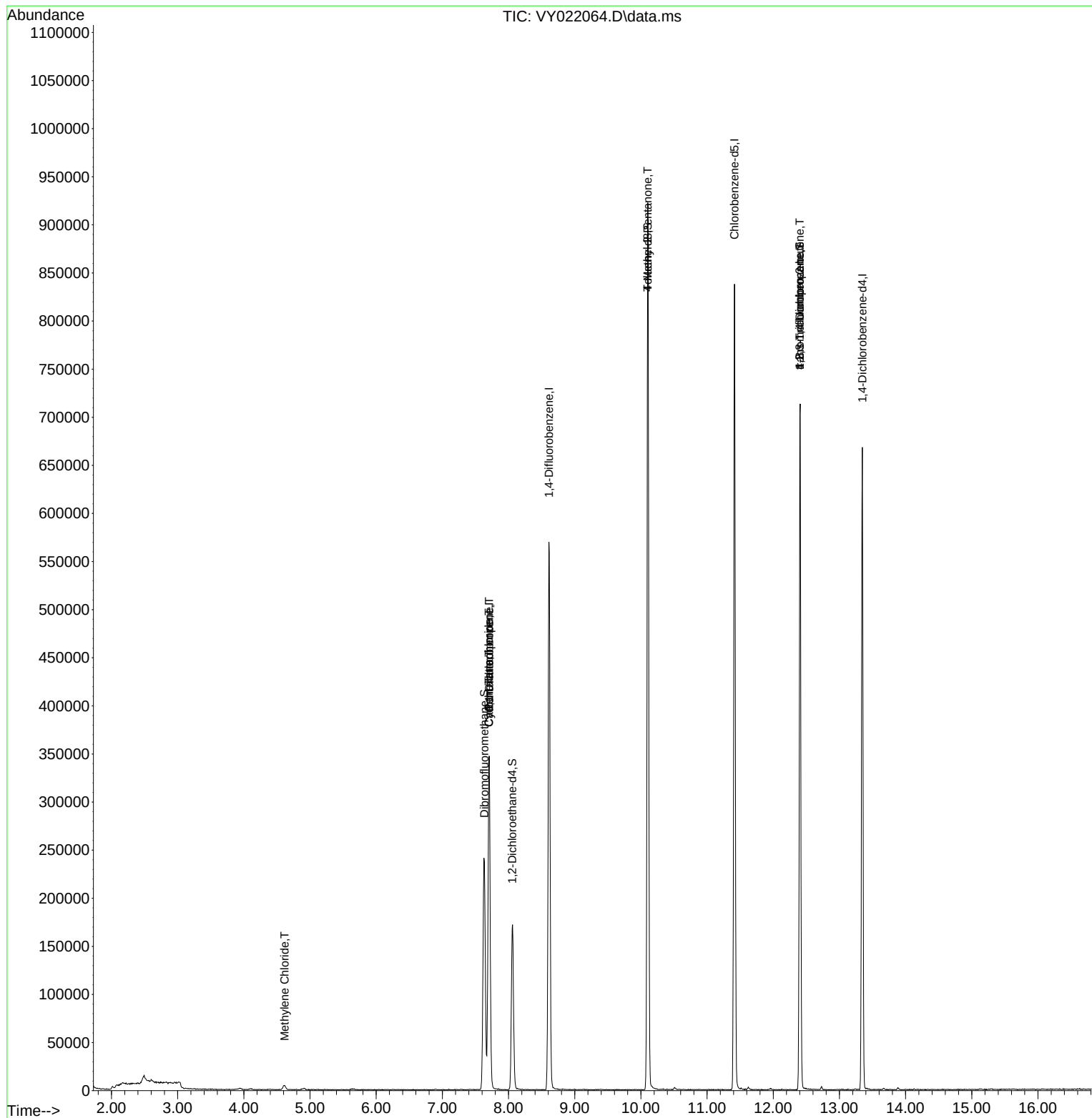
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 271766   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.609     | 114   | 515307   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 469079   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 180272   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055     | 65    | 138737   | 55.268    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 110.540% |          |
| 35) Dibromofluoromethane      | 7.634     | 113   | 178302   | 52.374    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 104.740% |          |
| 50) Toluene-d8                | 10.103    | 98    | 624590   | 48.665    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 97.320%  |          |
| 62) 4-Bromofluorobenzene      | 12.401    | 95    | 222766   | 51.559    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery  | = 103.120% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 3.860     | 43    | 260      | Below Cal | #          | 41       |
| 20) Methylene Chloride        | 4.616     | 84    | 3528     | 1.111     | ug/l #     | 77       |
| 31) Cyclohexane               | 7.701     | 56    | 5398     | 1.301     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 19784    | 4.326     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.701     | 117   | 26606    | 4.869     | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.103    | 43    | 2056     | 1.243     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401    | 75    | 107241   | 69.451    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401    | 75    | 107241   | 167.249   | ug/l #     | 16       |
| -----                         |           |       |          |           |            |          |

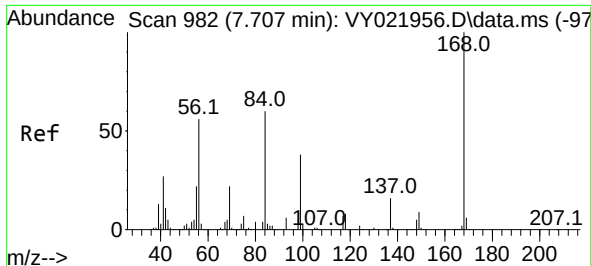
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

Quant Time: Apr 30 01:35:45 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

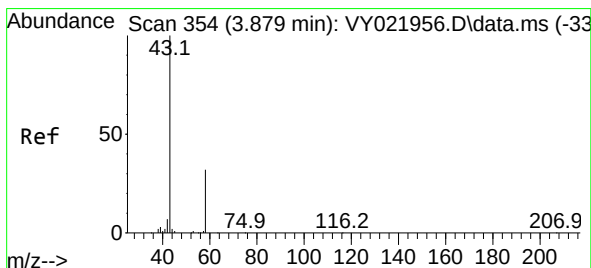
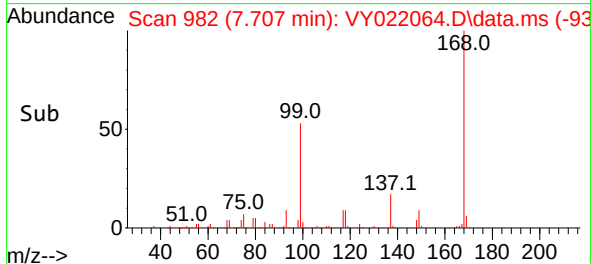
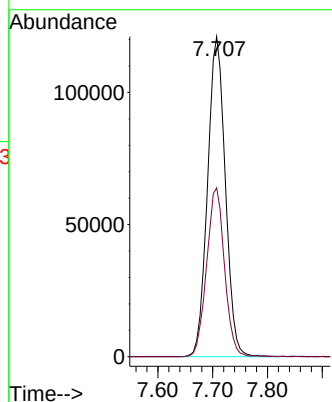
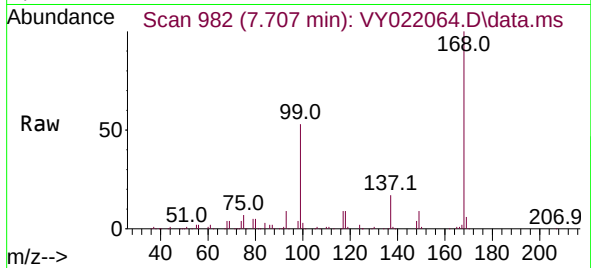




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

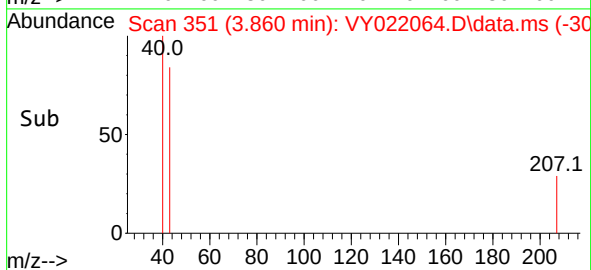
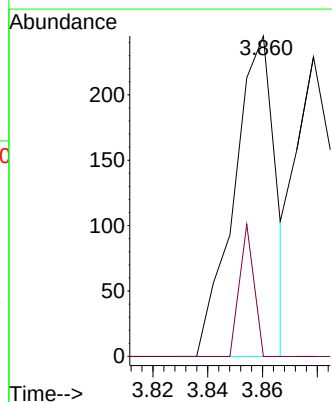
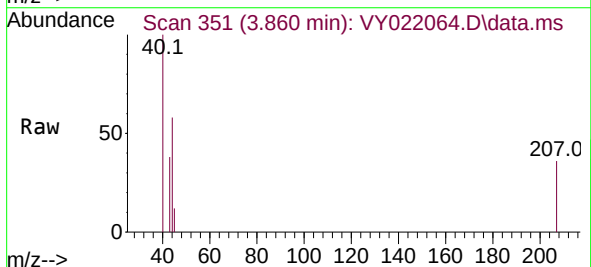
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

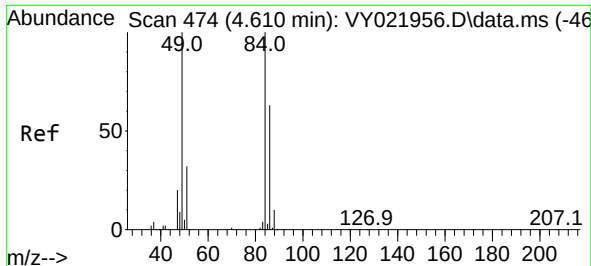
Tgt Ion:168 Resp: 271766  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.860 min Scan# 351  
Delta R.T. -0.019 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Tgt Ion: 43 Resp: 260  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.4#

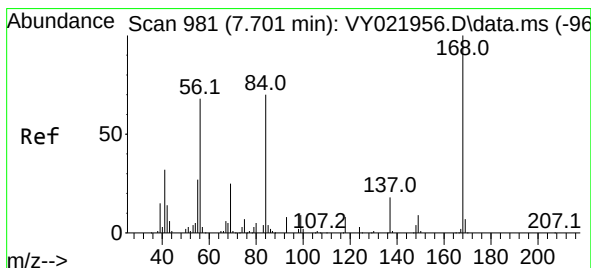
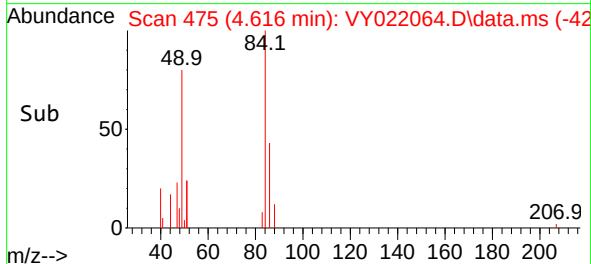
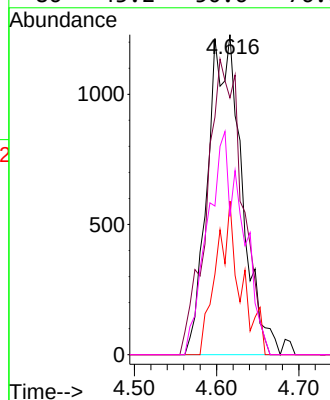
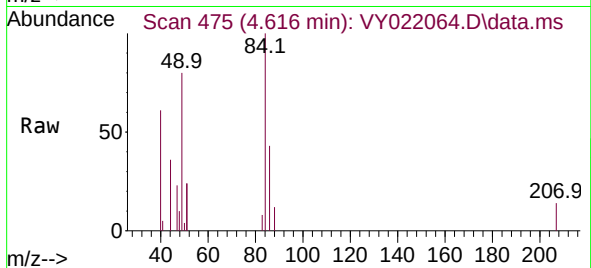




#20  
Methylene Chloride  
Concen: 1.111 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

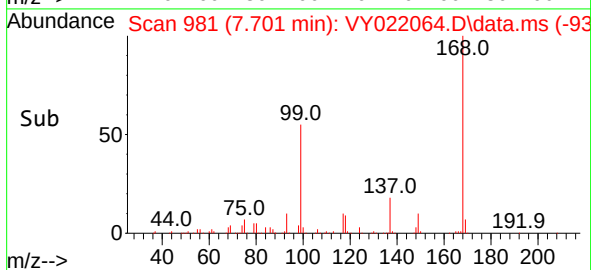
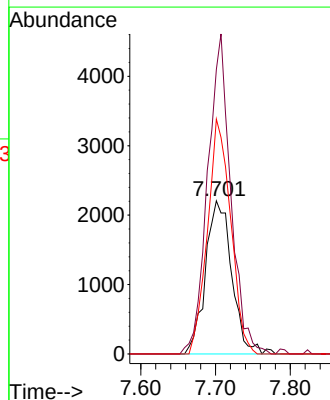
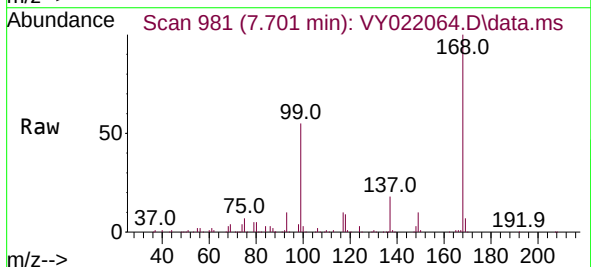
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

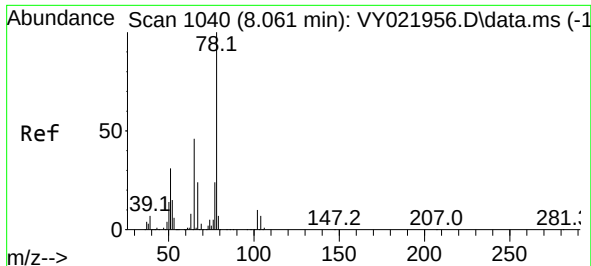
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 3528  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 80.2  | 79.9  | 119.9 |
| 51       | 48.0  | 25.4  | 38.0# |
| 86       | 43.2  | 50.6  | 76.0# |



#31  
Cyclohexane  
Concen: 1.301 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5398   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 185.8 | 29.4  | 44.2#  |
| 84       | 153.4 | 82.2  | 123.4# |





#33

1,2-Dichloroethane-d4

Concen: 55.268 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022064.D

Acq: 29 Apr 2025 18:14

Instrument :

MSVOA\_Y

ClientSampleId :

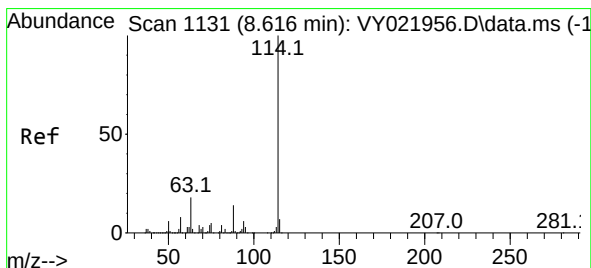
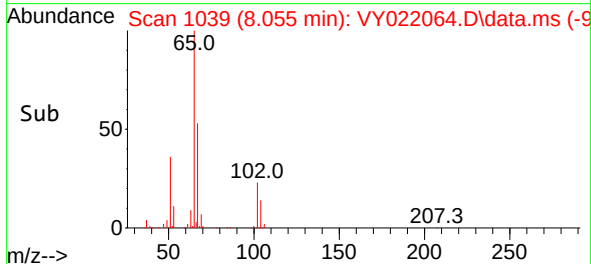
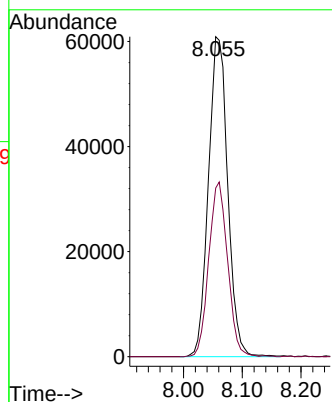
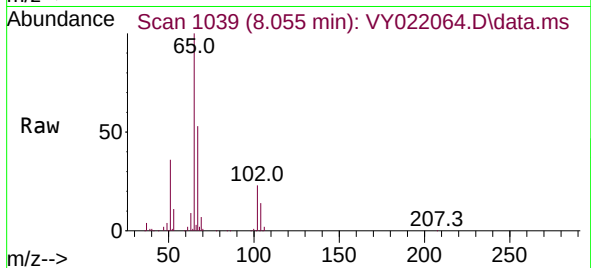
OU4-PCS-TC-27-042325

Tgt Ion: 65 Resp: 138737

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022064.D

Acq: 29 Apr 2025 18:14

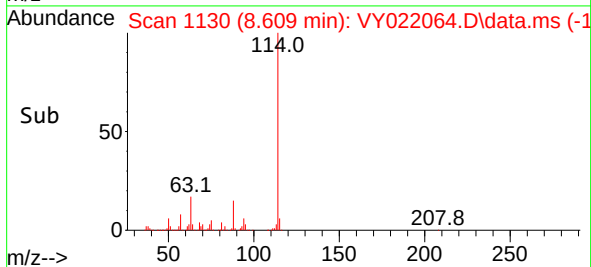
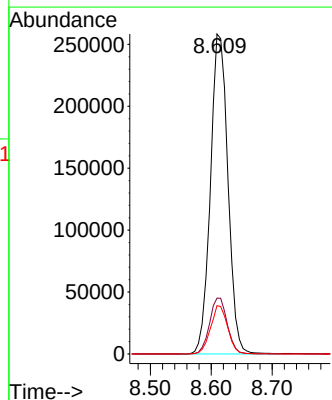
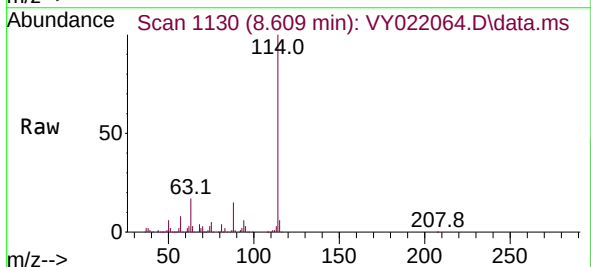
Tgt Ion:114 Resp: 515307

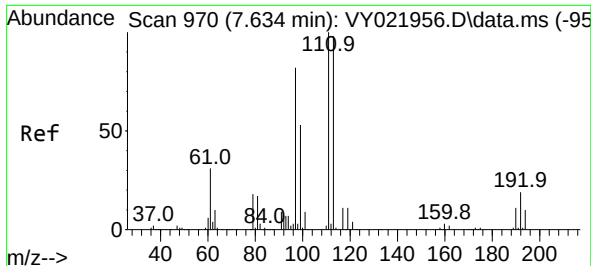
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 15.1 0.0 28.2

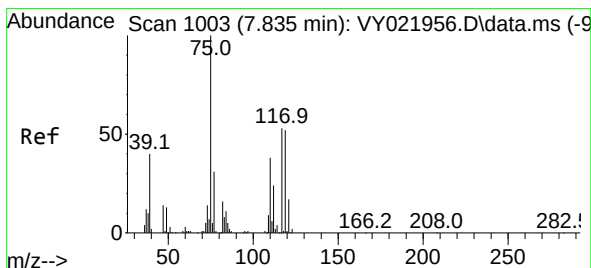
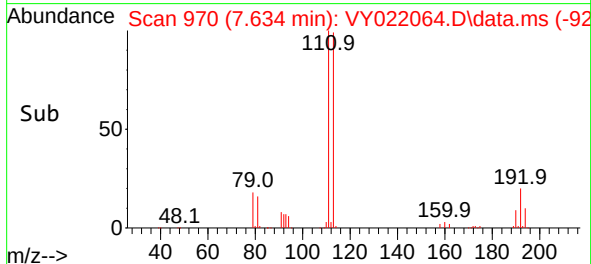
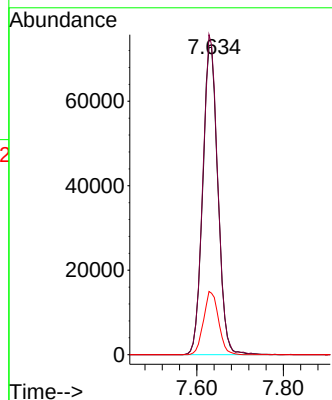
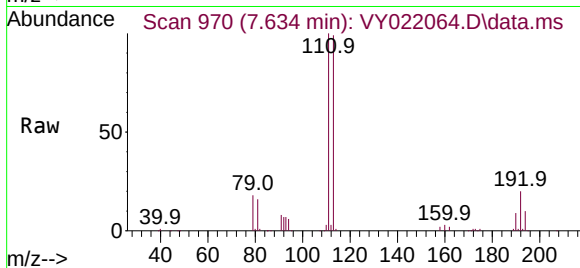




#35  
Dibromofluoromethane  
Concen: 52.374 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

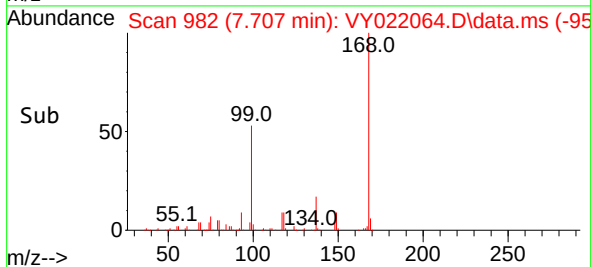
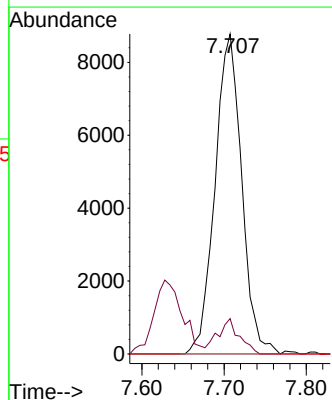
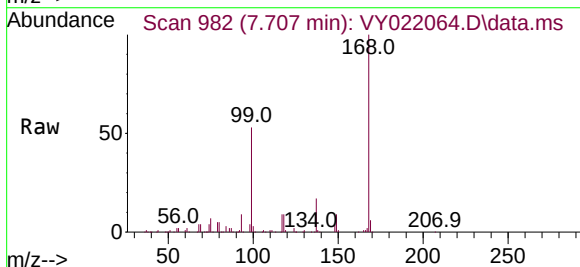
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

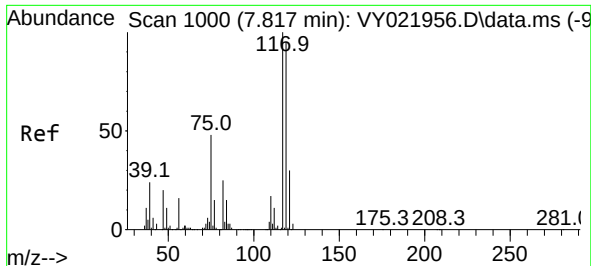
Tgt Ion:113 Resp: 178302  
Ion Ratio Lower Upper  
113 100  
111 101.2 81.8 122.8  
192 20.2 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.326 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Tgt Ion: 75 Resp: 19784  
Ion Ratio Lower Upper  
75 100  
110 8.9 19.1 57.3#  
77 0.0 25.5 38.3#

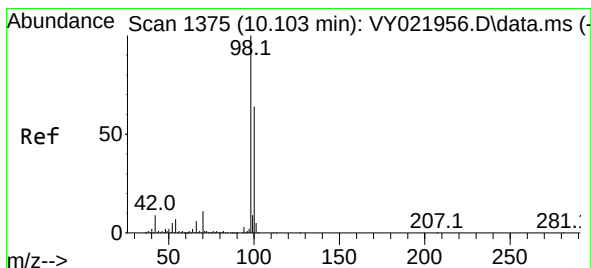
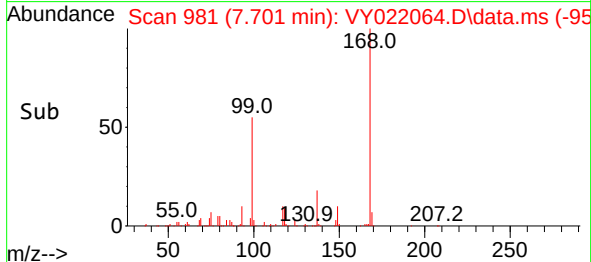
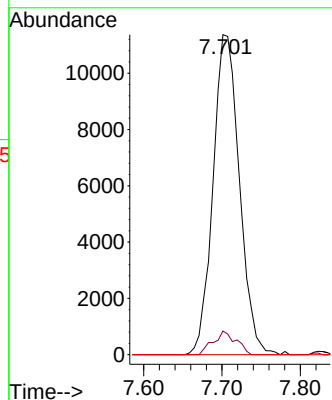
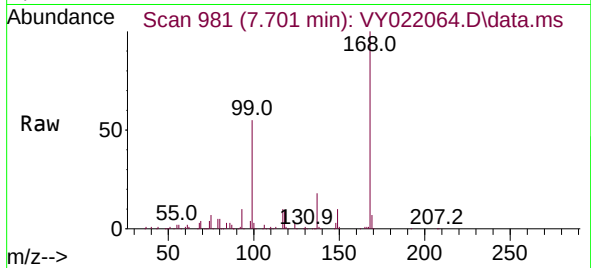




#38  
Carbon Tetrachloride  
Concen: 4.869 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

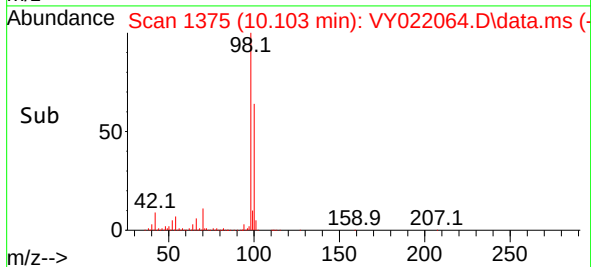
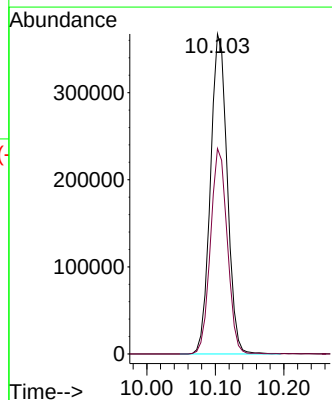
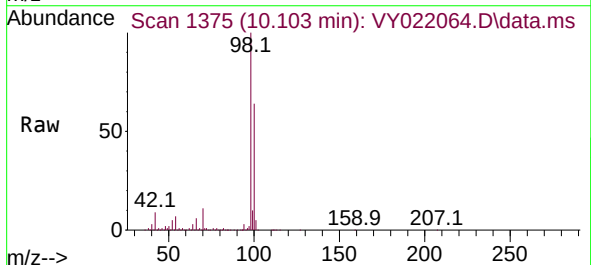
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

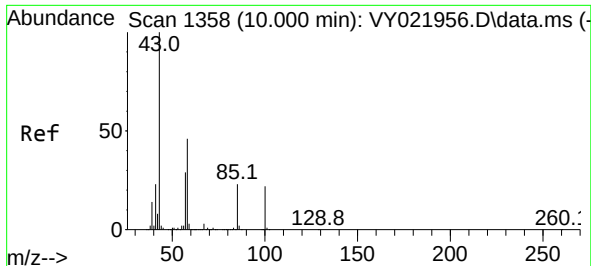
Tgt Ion:117 Resp: 26606  
Ion Ratio Lower Upper  
117 100  
119 7.4 76.2 114.4#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 48.665 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Tgt Ion: 98 Resp: 624590  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.6 77.4

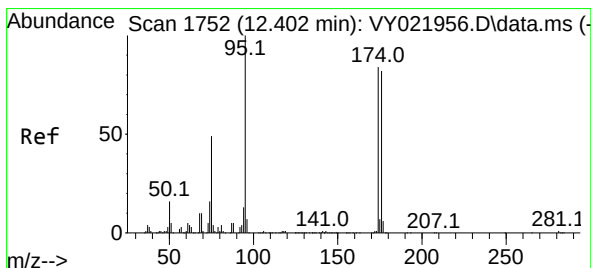
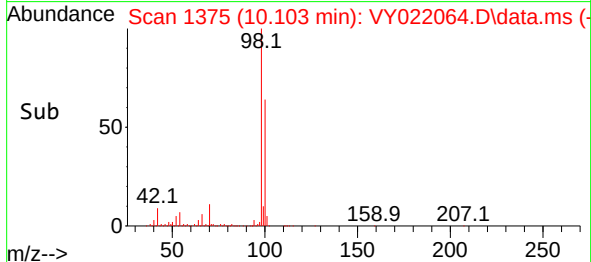
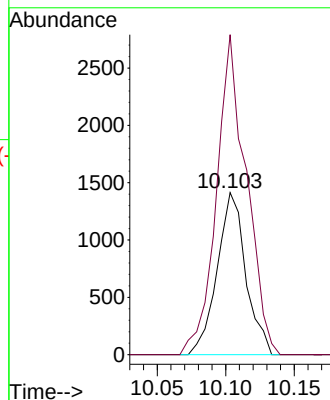
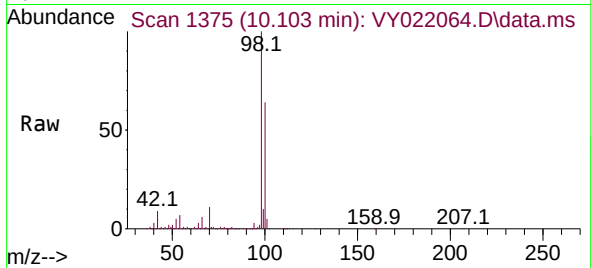




#51  
4-Methyl-2-Pentanone  
Concen: 1.243 ug/l  
RT: 10.103 min Scan# 1358  
Delta R.T. 0.104 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

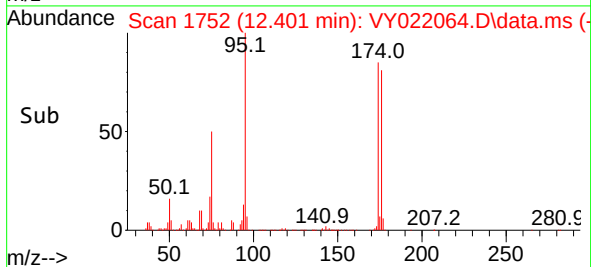
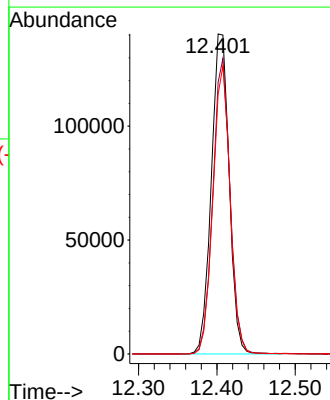
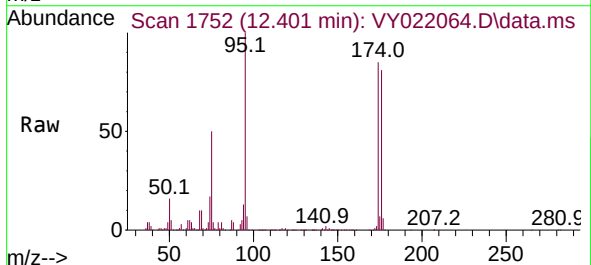
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

Tgt Ion: 43 Resp: 2056  
Ion Ratio Lower Upper  
43 100  
58 206.1 36.6 55.0#

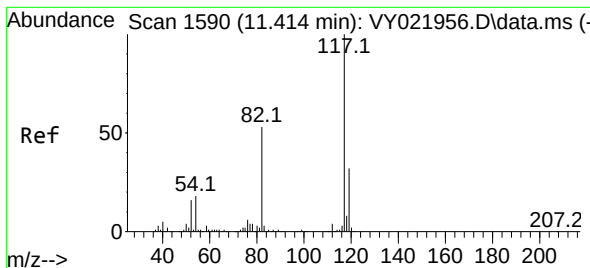


#62  
4-Bromofluorobenzene  
Concen: 51.559 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Tgt Ion: 95 Resp: 222766  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 179.0  
176 86.4 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: VY022064.D

Acq: 29 Apr 2025 18:14

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-PCS-TC-27-042325

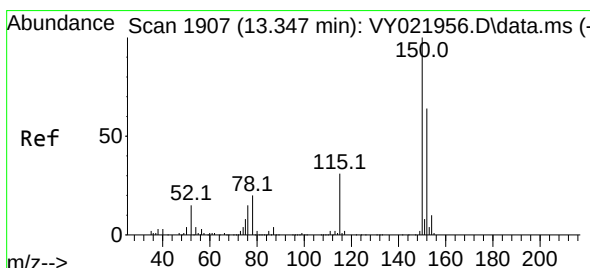
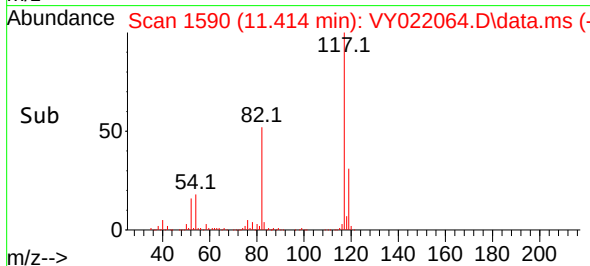
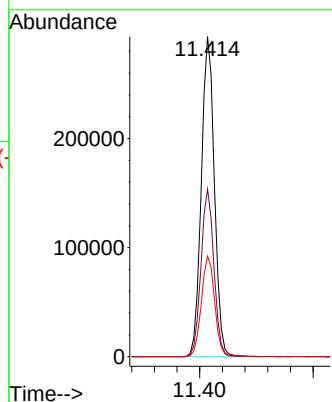
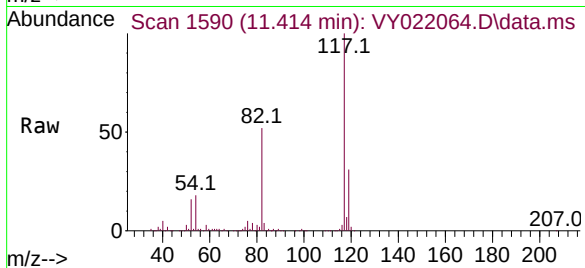
Tgt Ion:117 Resp: 469079

Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

119 31.4 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: VY022064.D

Acq: 29 Apr 2025 18:14

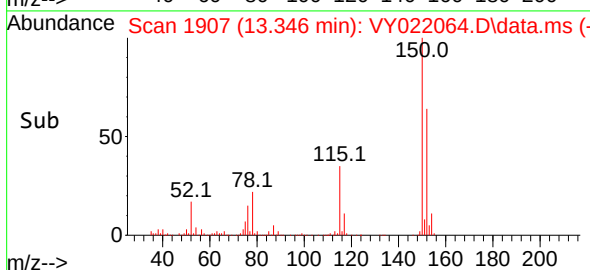
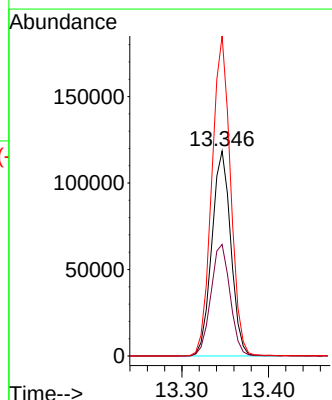
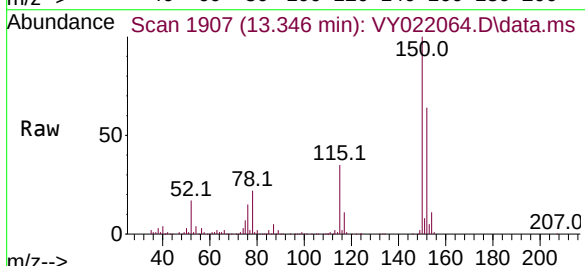
Tgt Ion:152 Resp: 180272

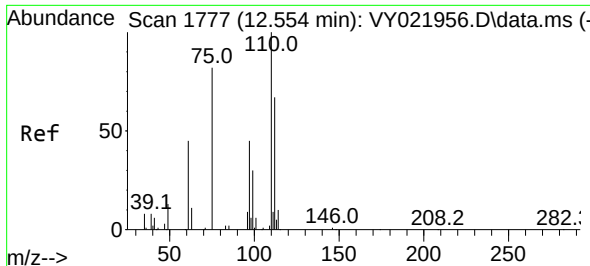
Ion Ratio Lower Upper

152 100

115 55.1 28.0 84.0

150 153.9 0.0 345.6

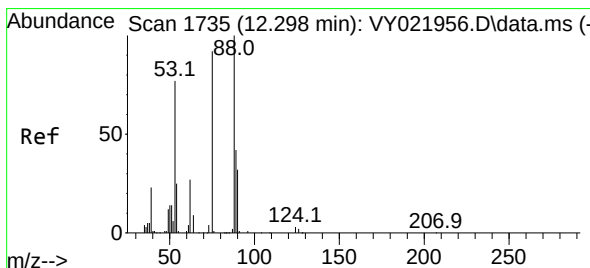
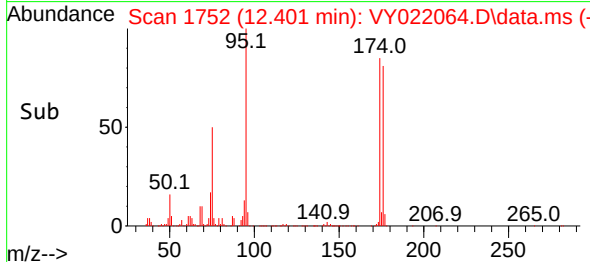
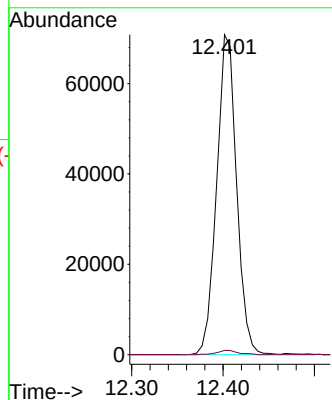
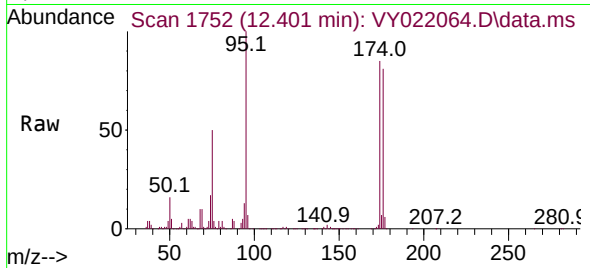




#76  
1,2,3-Trichloropropane  
Concen: 69.451 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-PCS-TC-27-042325

Tgt Ion: 75 Resp: 107241  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 167.249 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.104 min  
Lab File: VY022064.D  
Acq: 29 Apr 2025 18:14

Tgt Ion: 75 Resp: 107241  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.0 99.0#  
89 0.1 37.2 55.8#

