

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082025\  
 Data File : VY023167.D  
 Acq On : 20 Aug 2025 11:50  
 Operator : SY/MD  
 Sample : Q2879-05  
 Misc : 3.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 20 15:23:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

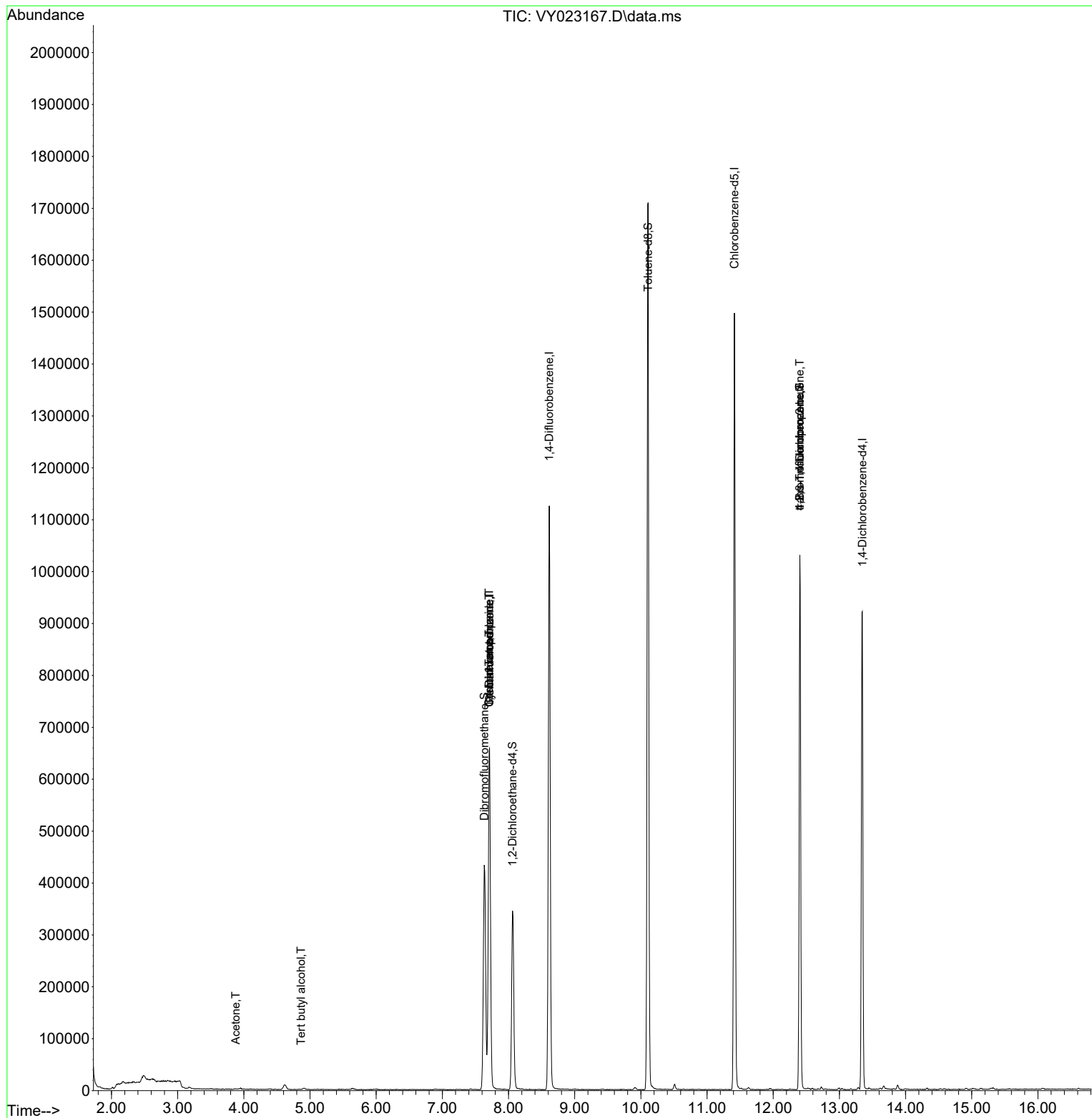
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 530041              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615          | 114  | 976268              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 789979              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 241273              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 274369              | 54.313    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 108.620% |           |        |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 317272              | 54.312    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.620% |           |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 1143416             | 50.104    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 100.200% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.401         | 95   | 308680              | 42.059    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 84.120%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.866          | 59   | 590                 | 1.705     | ug/l # | 71       |
| 16) Acetone                   | 3.879          | 43   | 1452                | 1.327     | ug/l   | 97       |
| 20) Methylene Chloride        | 4.628          | 84   | 6947                | Below Cal | #      | 84       |
| 31) Cyclohexane               | 7.707          | 56   | 10799               | 1.148     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 40554               | 4.671     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.707          | 117  | 52077               | 5.523     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 160974              | 69.131    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 160974              | 167.344   | ug/l # | 14       |
| -----                         |                |      |                     |           |        |          |

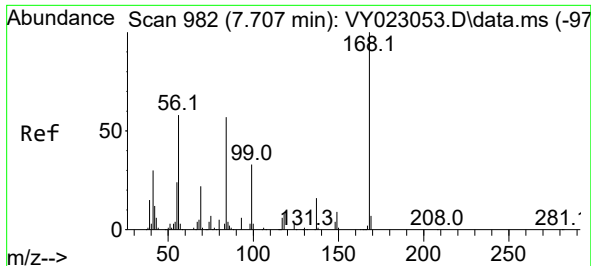
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082025\  
Data File : VY023167.D  
Acq On : 20 Aug 2025 11:50  
Operator : SY/MD  
Sample : Q2879-05  
Misc : 3.06g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

Quant Time: Aug 20 15:23:26 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

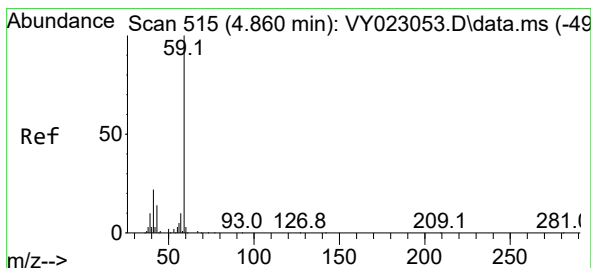
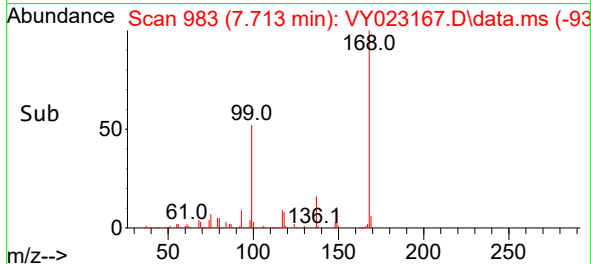
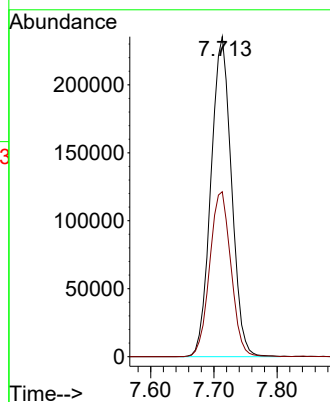
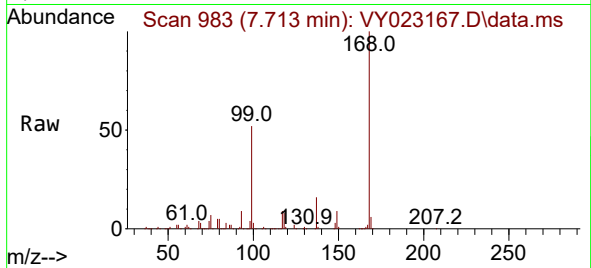




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

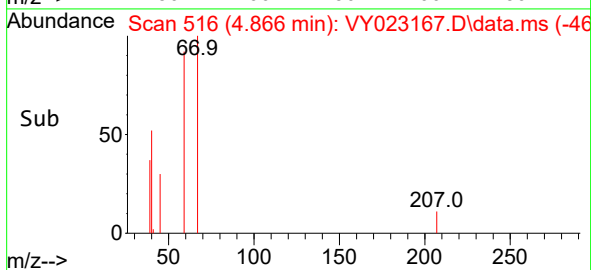
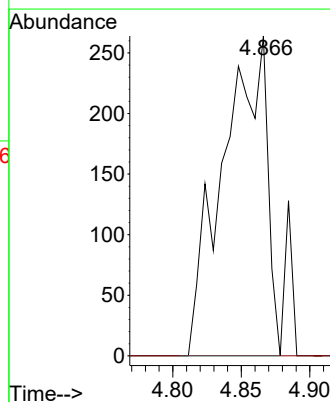
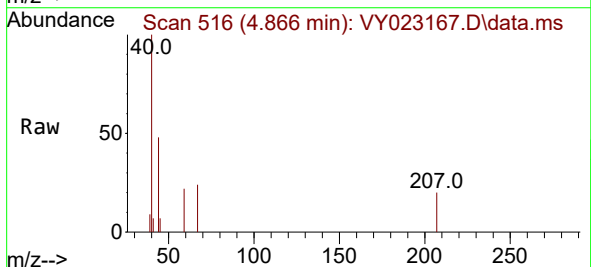
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

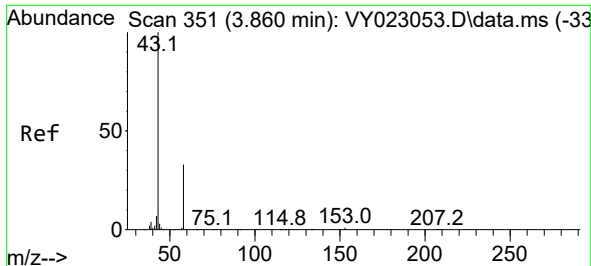
Tgt Ion:168 Resp: 530041  
Ion Ratio Lower Upper  
168 100  
99 51.5 42.8 64.2



#11  
Tert butyl alcohol  
Concen: 1.705 ug/l  
RT: 4.866 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 59 Resp: 590  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 13.0#

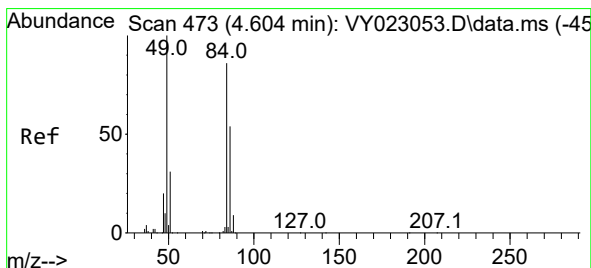
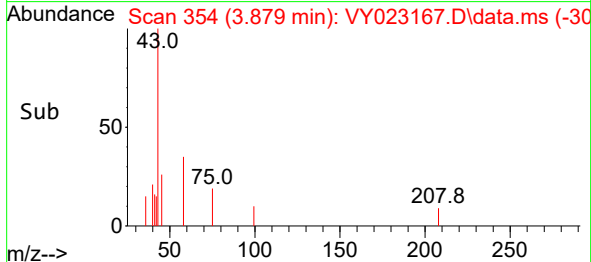
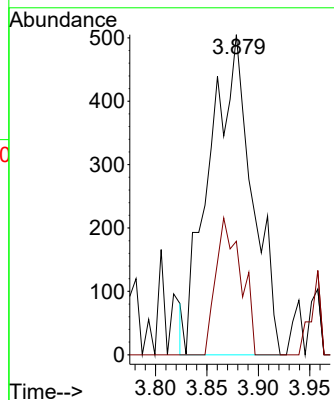
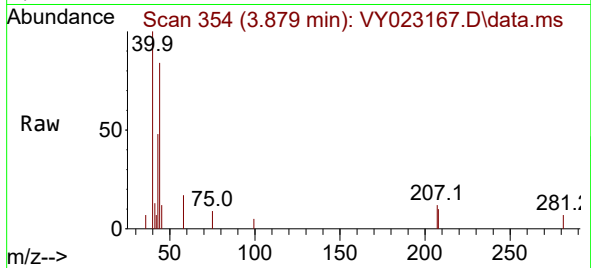




#16  
Acetone  
Concen: 1.327 ug/l  
RT: 3.879 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

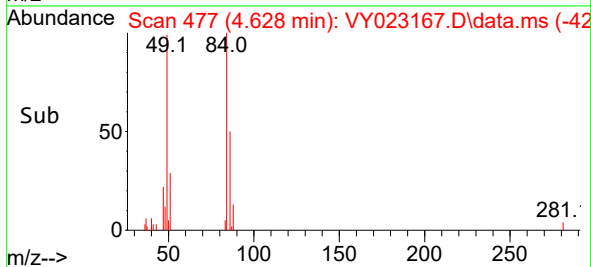
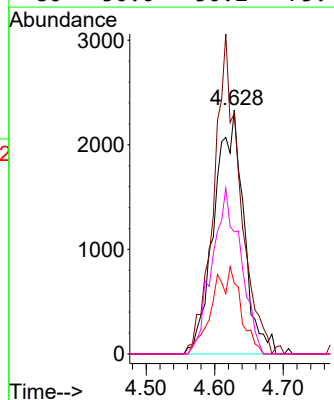
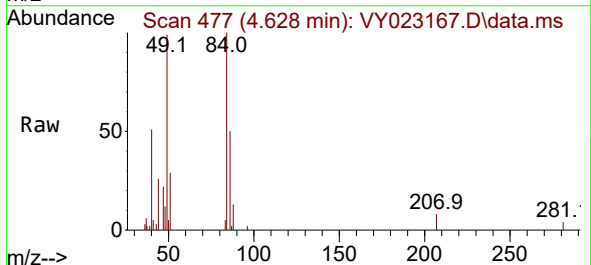
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

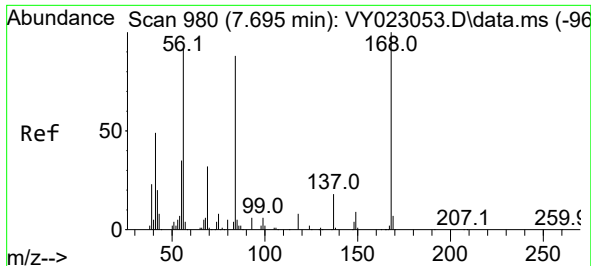
Tgt Ion: 43 Resp: 1452  
Ion Ratio Lower Upper  
43 100  
58 35.4 27.1 40.7



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.628 min Scan# 477  
Delta R.T. 0.024 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 84 Resp: 6947  
Ion Ratio Lower Upper  
84 100  
49 98.5 93.0 139.6  
51 29.0 29.0 43.4  
86 50.0 50.2 75.4#

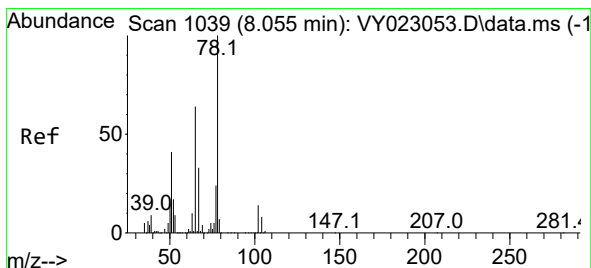
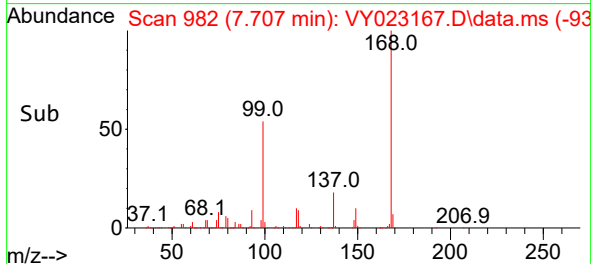
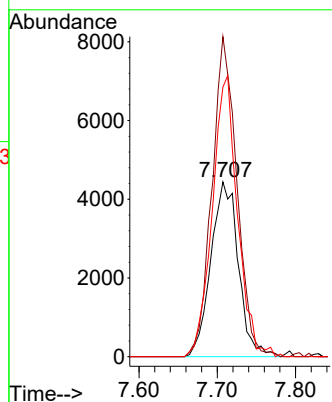
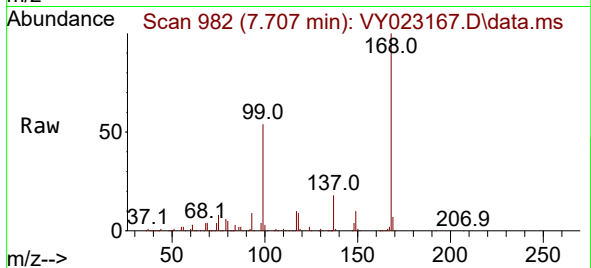




#31  
Cyclohexane  
Concen: 1.148 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

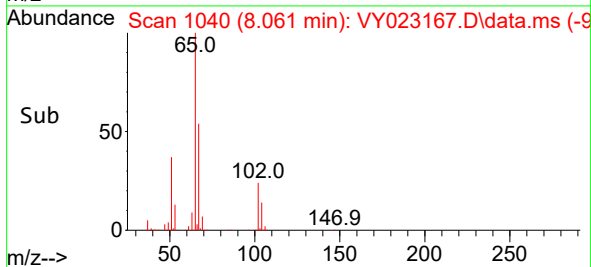
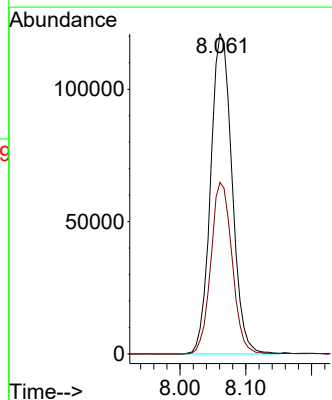
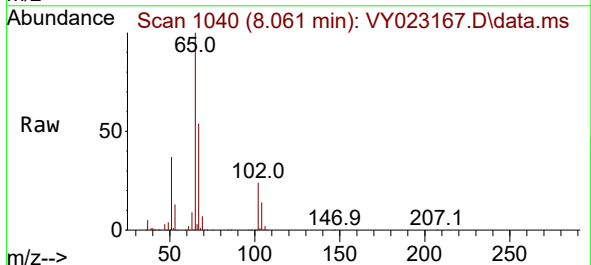
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

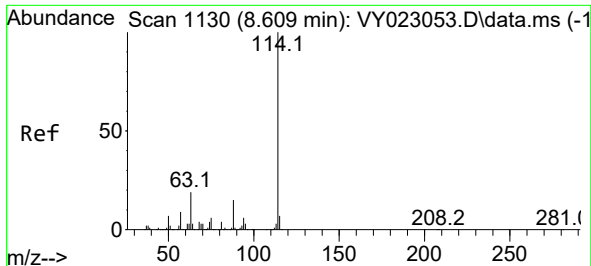
Tgt Ion: 56 Resp: 10799  
Ion Ratio Lower Upper  
56 100  
69 183.2 28.2 42.2#  
84 154.3 76.6 114.8#



#33  
1,2-Dichloroethane-d4  
Concen: 54.313 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 65 Resp: 274369  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 106.8

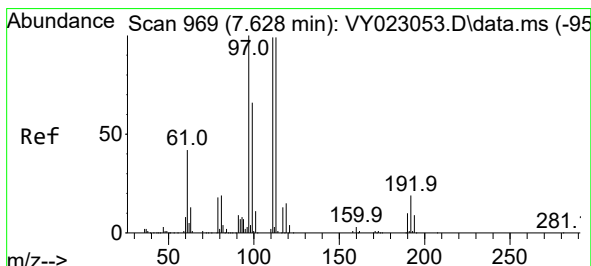
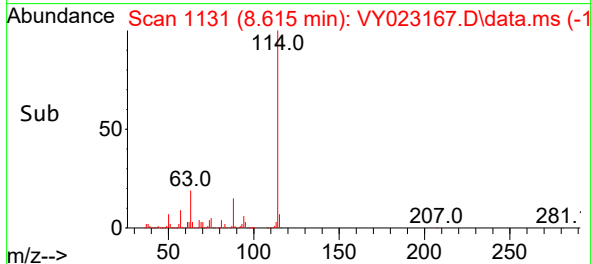
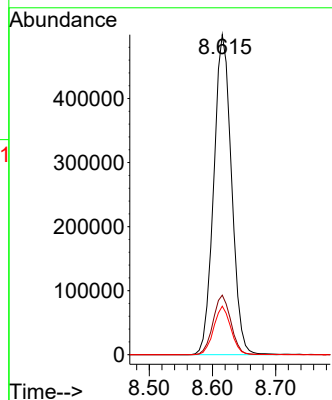
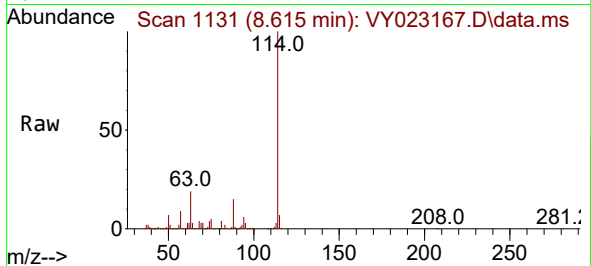




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

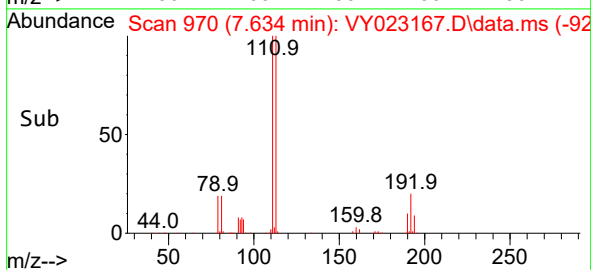
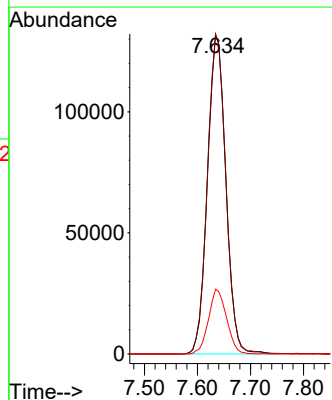
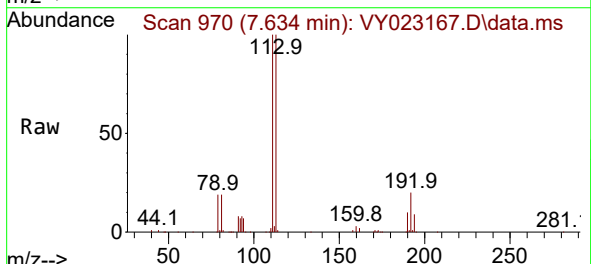
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

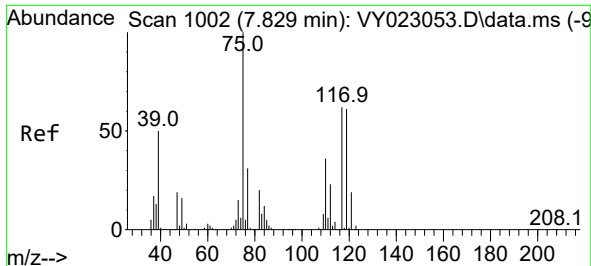
Tgt Ion:114 Resp: 976268  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 38.4  
88 15.2 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 54.312 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion:113 Resp: 317272  
Ion Ratio Lower Upper  
113 100  
111 100.8 81.1 121.7  
192 19.9 16.2 24.4

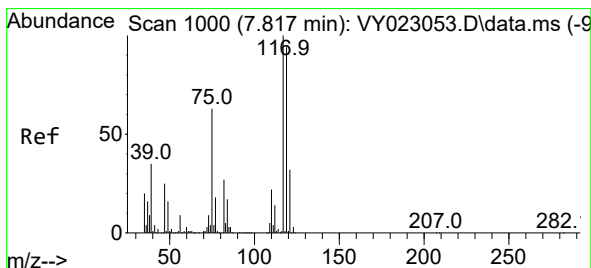
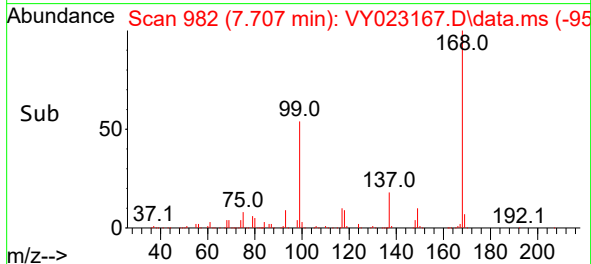
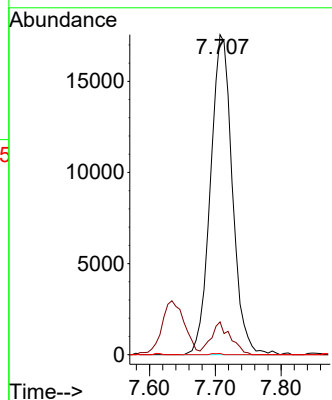
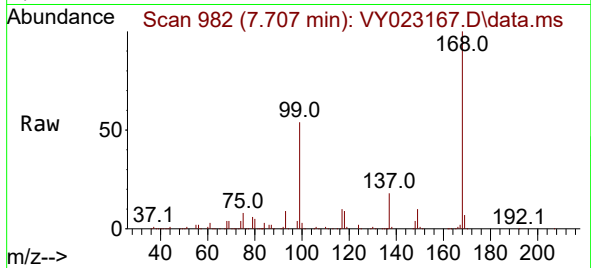




#36  
1,1-Dichloropropene  
Concen: 4.671 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

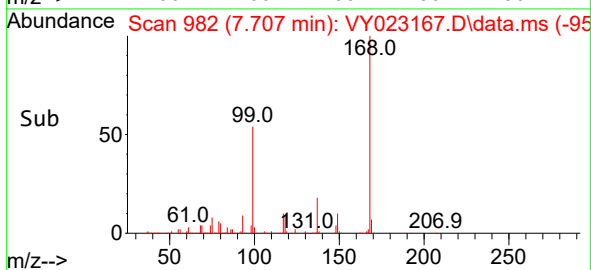
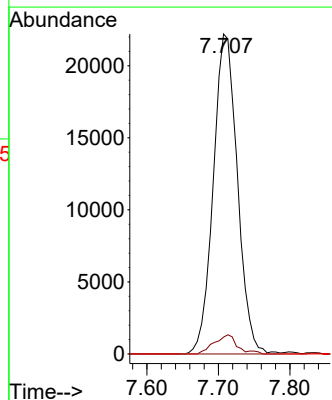
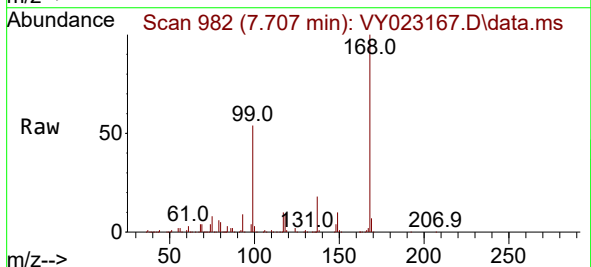
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

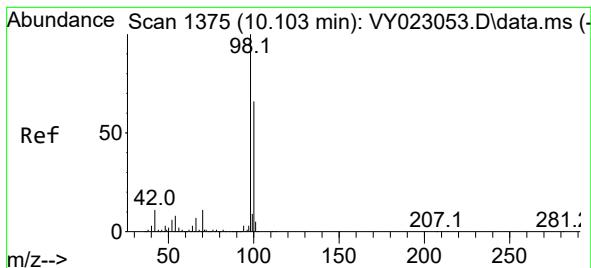
Tgt Ion: 75 Resp: 40554  
Ion Ratio Lower Upper  
75 100  
110 9.1 18.1 54.4#  
77 0.2 24.6 37.0#



#38  
Carbon Tetrachloride  
Concen: 5.523 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.110 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 117 Resp: 52077  
Ion Ratio Lower Upper  
117 100  
119 5.3 75.6 113.4#  
121 0.0 25.8 38.8#

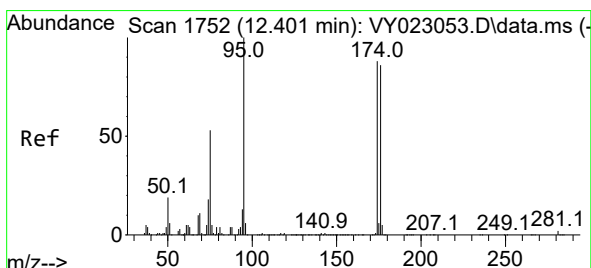
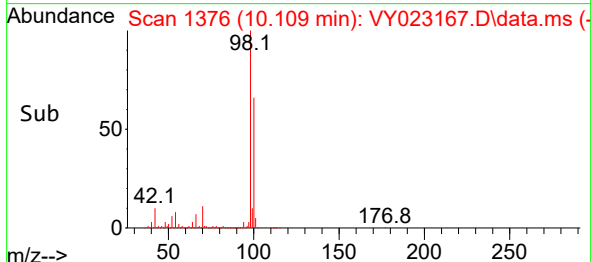
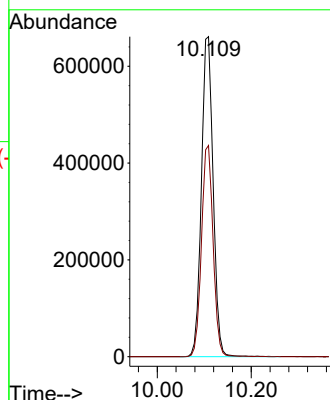
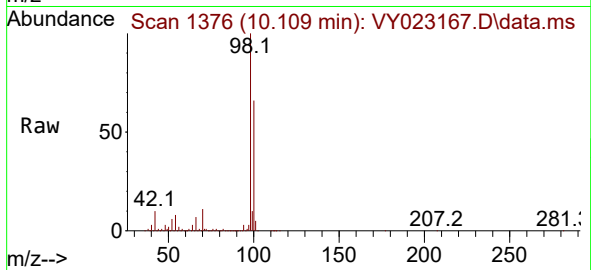




#50  
Toluene-d8  
Concen: 50.104 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

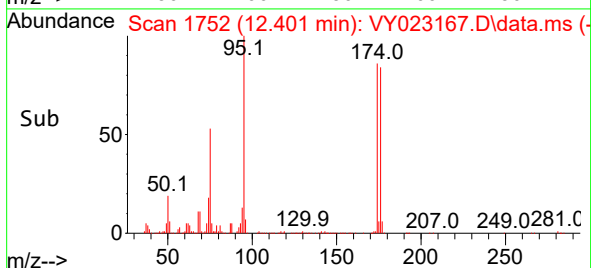
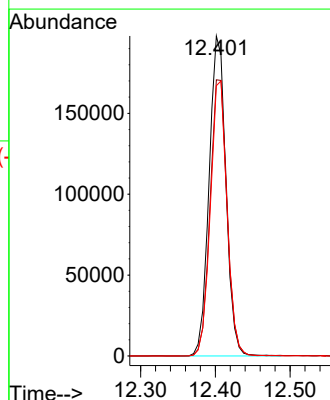
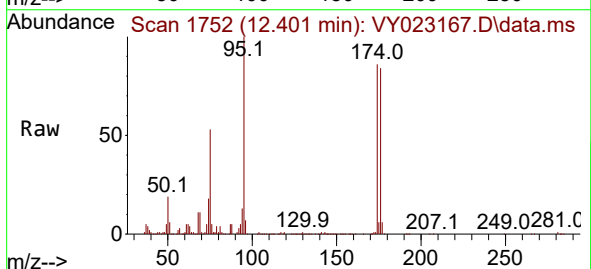
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

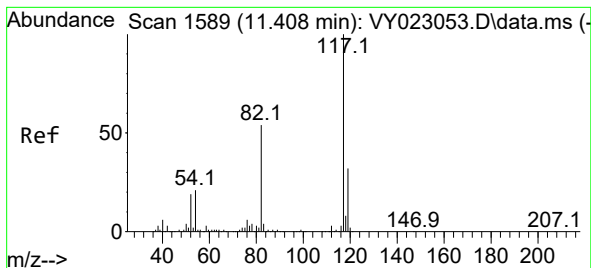
Tgt Ion: 98 Resp: 1143416  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 42.059 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 95 Resp: 308680  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 171.6  
176 85.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP05-081425

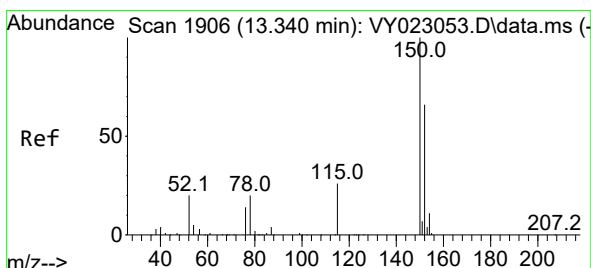
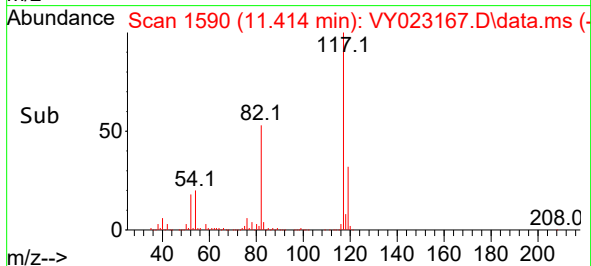
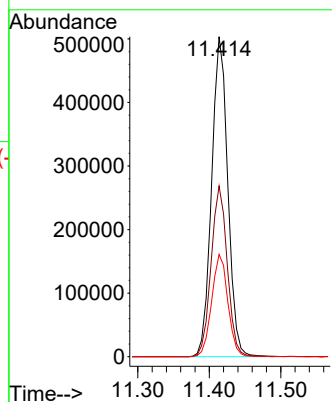
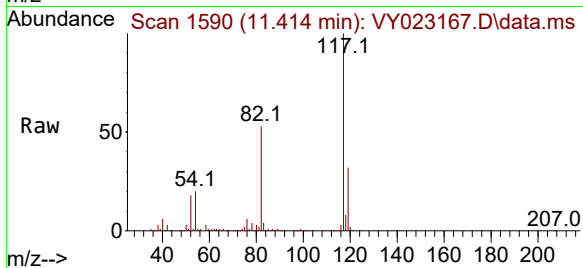
Tgt Ion:117 Resp: 789979

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023167.D

Acq: 20 Aug 2025 11:50

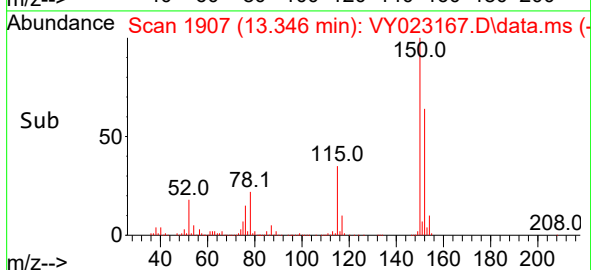
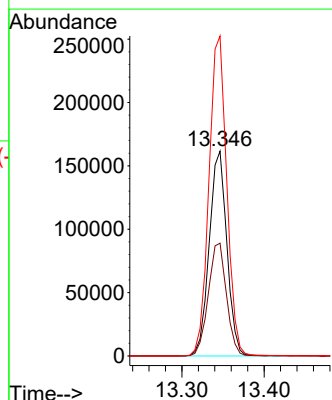
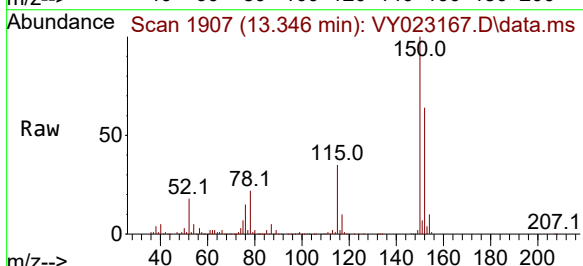
Tgt Ion:152 Resp: 241273

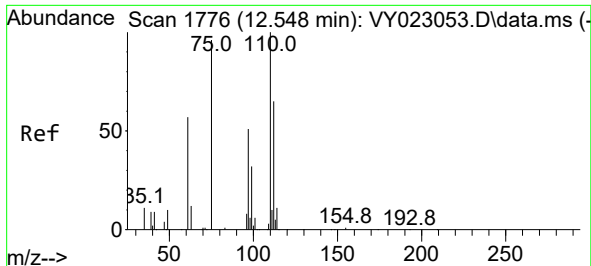
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 157.6 0.0 348.0

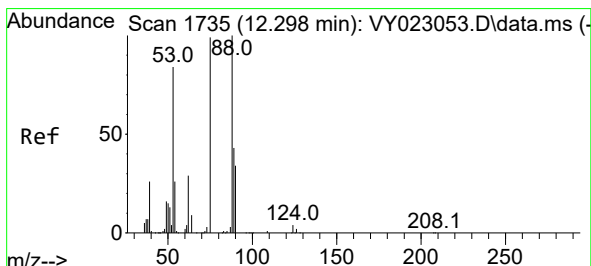
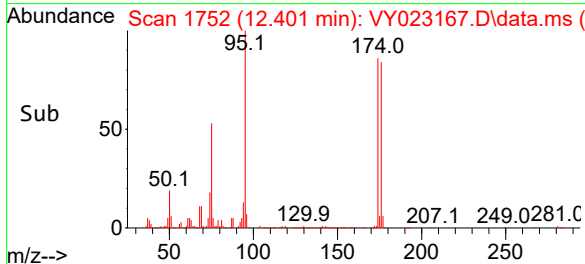
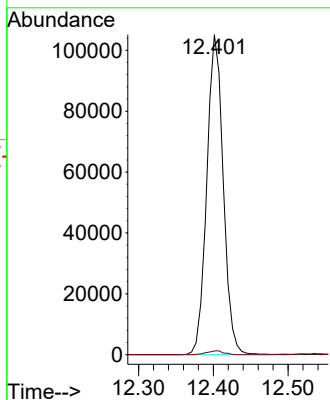
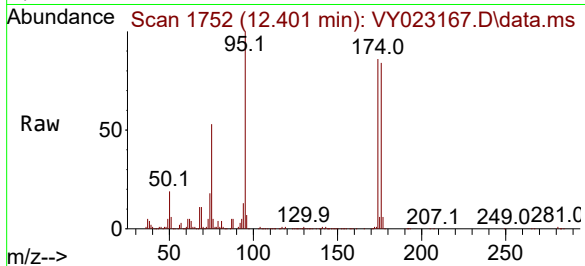




#76  
1,2,3-Trichloropropane  
Concen: 69.131 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.146 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-GRILLO-TSCP05-081425

Tgt Ion: 75 Resp: 160974  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 167.344 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.104 min  
Lab File: VY023167.D  
Acq: 20 Aug 2025 11:50

Tgt Ion: 75 Resp: 160974  
Ion Ratio Lower Upper  
75 100  
53 0.2 70.8 106.2#  
89 0.0 38.1 57.1#

