

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
 Data File : VY023858.D  
 Acq On : 02 Dec 2025 14:05  
 Operator : SY/MD  
 Sample : Q3746-01  
 Misc : 4.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ROW

Quant Time: Dec 03 01:03:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 27 01:14:36 2025  
 Response via : Initial Calibration

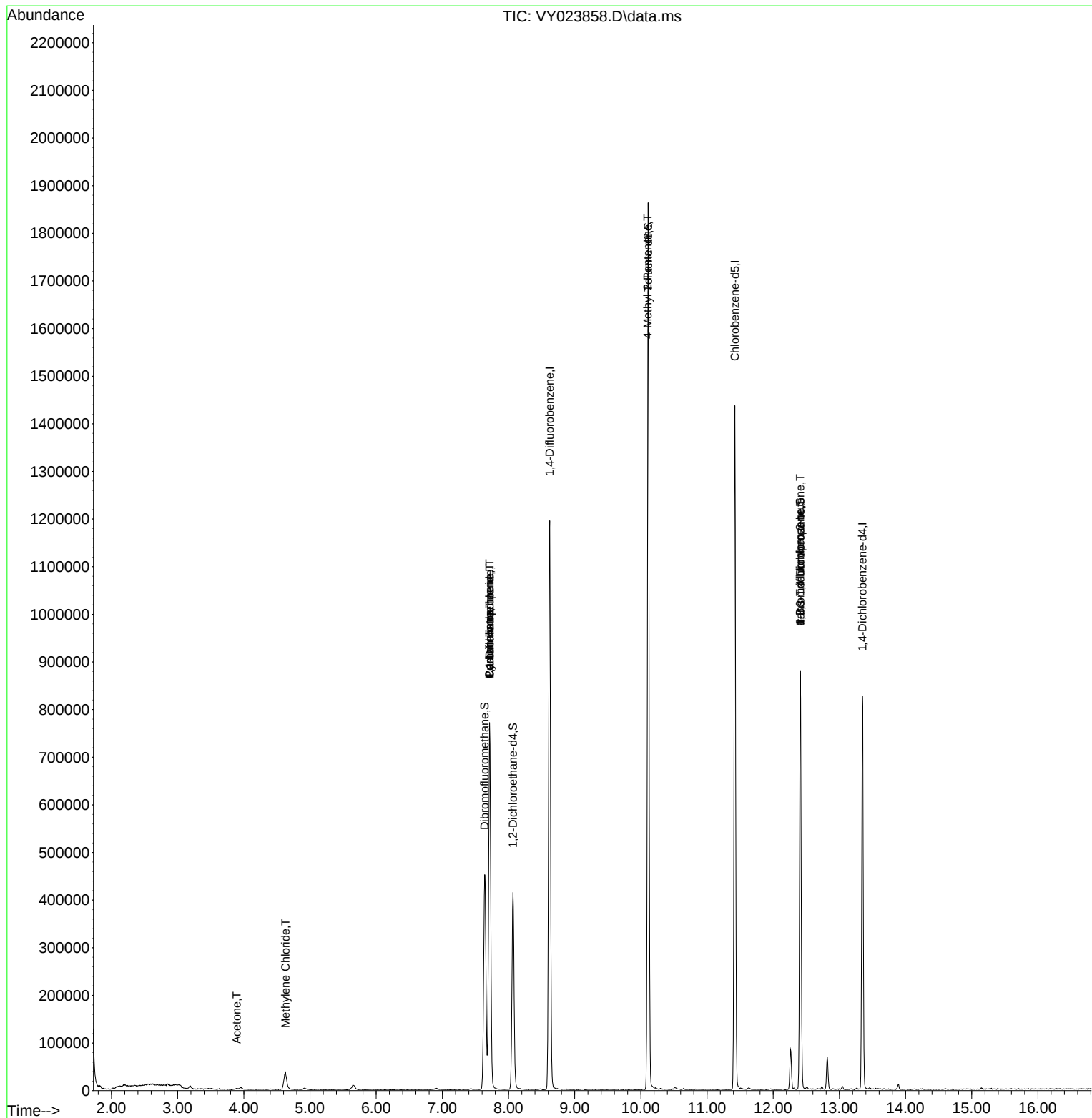
| Compound                      | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|----------|----------|
| -----                         |        |                |          |         |          |          |
| Internal Standards            |        |                |          |         |          |          |
| 1) Pentafluorobenzene         | 7.713  | 168            | 587264   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114            | 1030303  | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117            | 747016   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152            | 214228   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65             | 327482   | 57.262  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 50 - 163 | Recovery | =       | 114.520% |          |
| 35) Dibromofluoromethane      | 7.640  | 113            | 327461   | 53.652  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 54 - 147 | Recovery | =       | 107.300% |          |
| 50) Toluene-d8                | 10.109 | 98             | 1197326  | 49.389  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 134 | Recovery | =       | 98.780%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95             | 252936   | 31.709  | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 30 - 143 | Recovery | =       | 63.420%  |          |
| Target Compounds              |        |                |          |         |          |          |
|                               |        |                |          |         | Qvalue   |          |
| 16) Acetone                   | 3.891  | 43             | 3776     | 2.292   | ug/l #   | 80       |
| 20) Methylene Chloride        | 4.629  | 84             | 24910    | 3.576   | ug/l #   | 93       |
| 31) Cyclohexane               | 7.713  | 56             | 12965    | 1.179   | ug/l #   | 1        |
| 36) 1,1-Dichloropropene       | 7.713  | 75             | 45061    | 4.815   | ug/l #   | 50       |
| 38) Carbon Tetrachloride      | 7.713  | 117            | 58872    | 5.731   | ug/l #   | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.103 | 43             | 5022     | 1.160   | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75             | 134472   | 72.182  | ug/l #   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75             | 134472   | 152.571 | ug/l #   | 14       |
| -----                         |        |                |          |         |          |          |

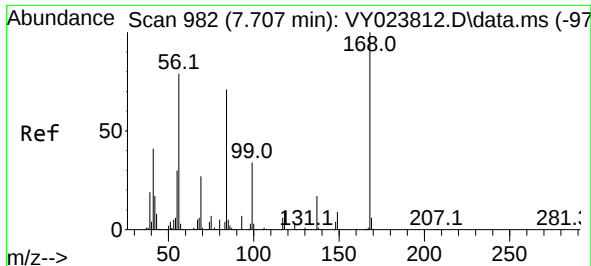
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120225\  
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Sample : Q3746-01  
Misc : 4.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROW

Quant Time: Dec 03 01:03:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 27 01:14:36 2025  
Response via : Initial Calibration

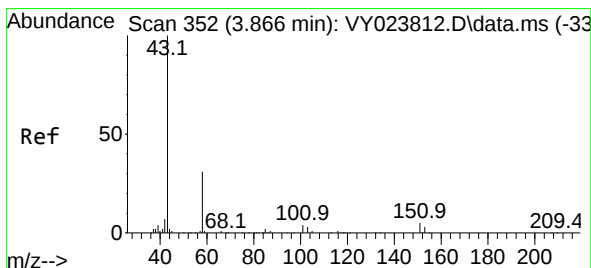
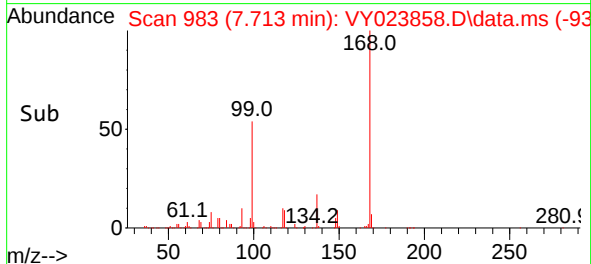
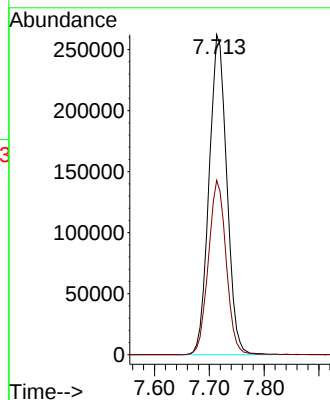
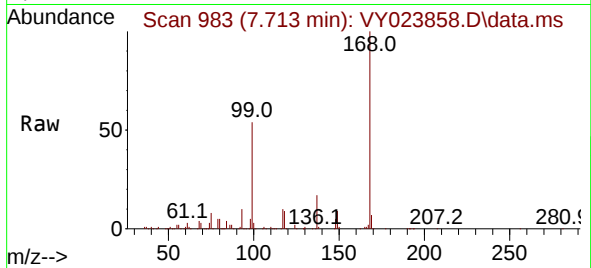




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

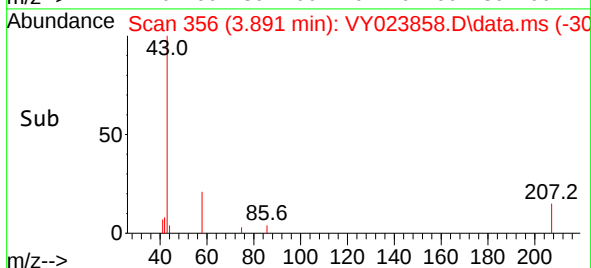
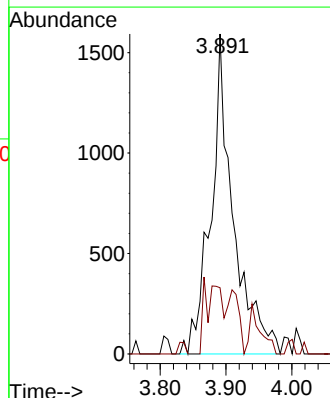
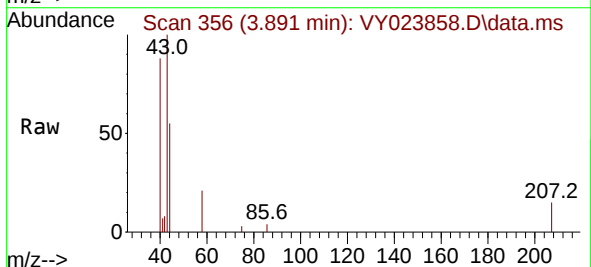
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROW

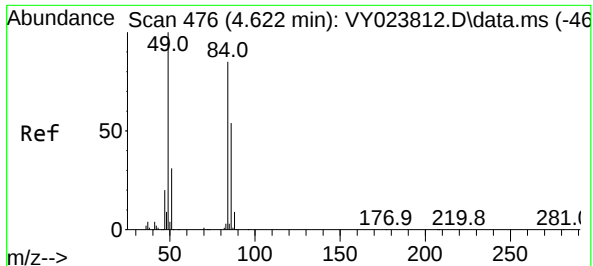
Tgt Ion:168 Resp: 587264  
Ion Ratio Lower Upper  
168 100  
99 54.5 44.0 66.0



#16  
Acetone  
Concen: 2.292 ug/l  
RT: 3.891 min Scan# 356  
Delta R.T. 0.024 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

Tgt Ion: 43 Resp: 3776  
Ion Ratio Lower Upper  
43 100  
58 20.7 25.4 38.2#

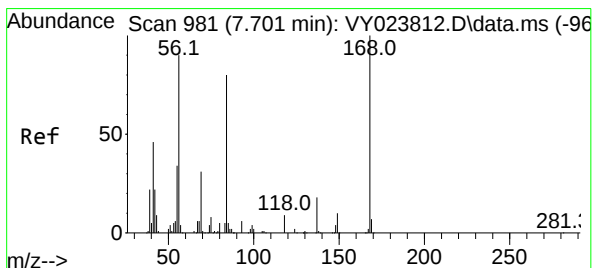
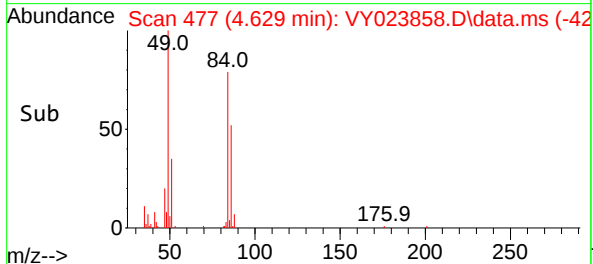
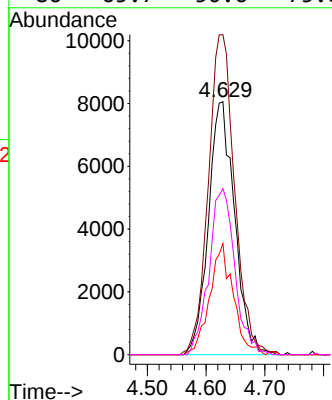
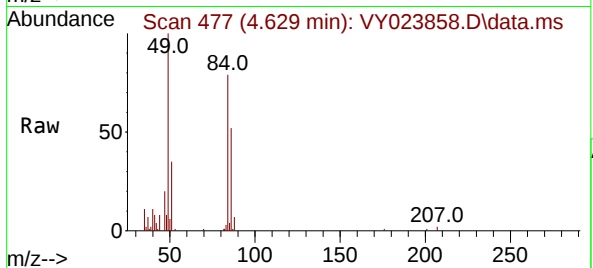




#20  
Methylene Chloride  
Concen: 3.576 ug/l  
RT: 4.629 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

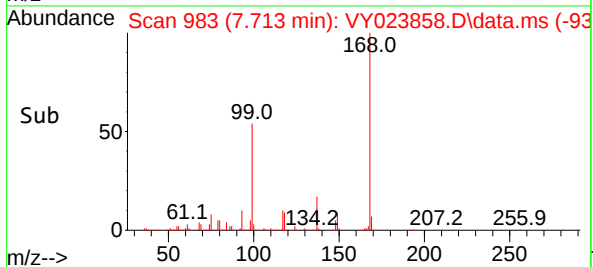
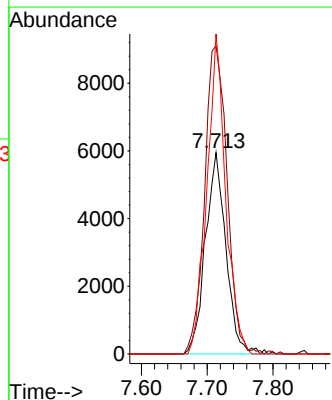
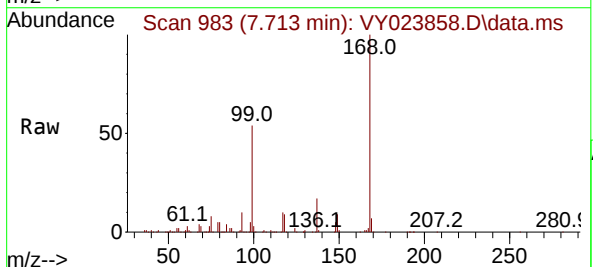
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROW

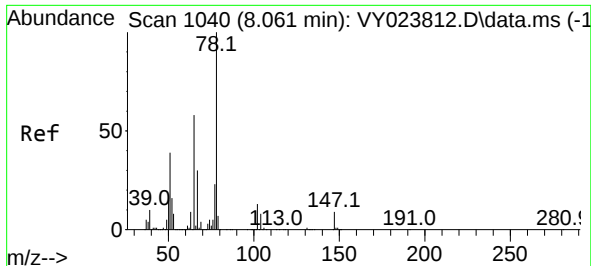
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 24910 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 126.5 | 94.0  | 141.0 |
| 51       | 43.9  | 29.2  | 43.8# |
| 86       | 65.7  | 50.6  | 75.8  |



#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 12965  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 153.3 | 27.8  | 41.6#  |
| 84       | 159.0 | 71.8  | 107.8# |





#33

1,2-Dichloroethane-d4

Concen: 57.262 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

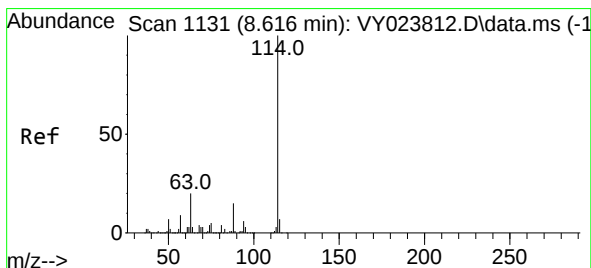
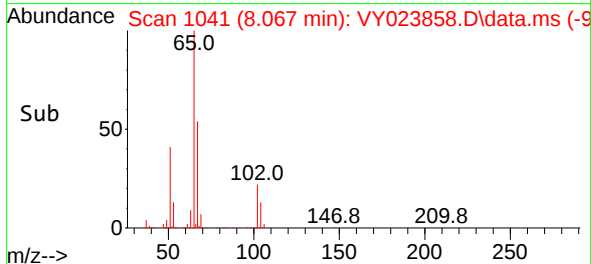
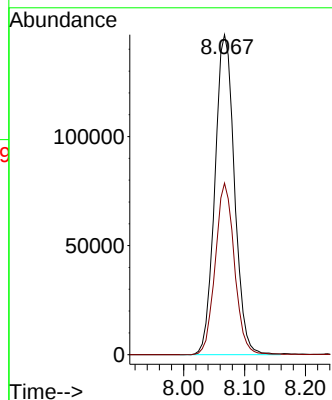
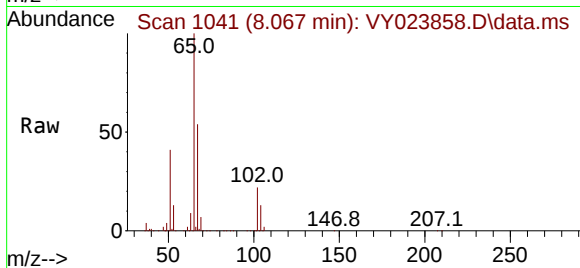
ROW

Tgt Ion: 65 Resp: 327482

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

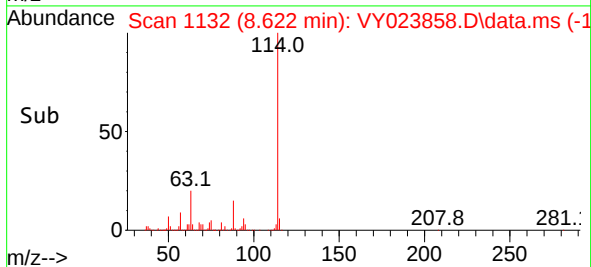
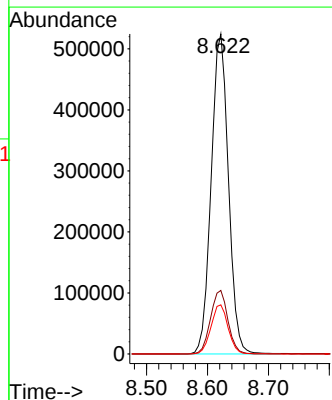
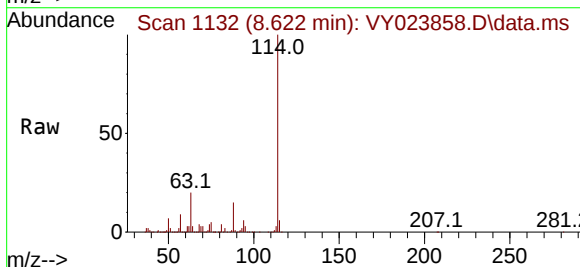
Tgt Ion:114 Resp: 1030303

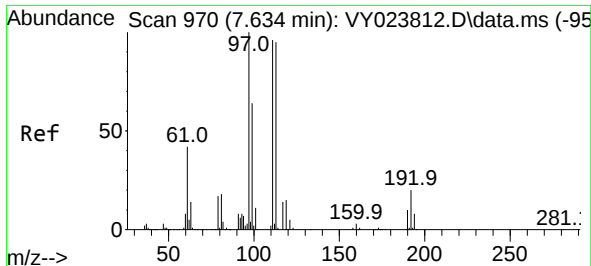
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.652 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

ROW

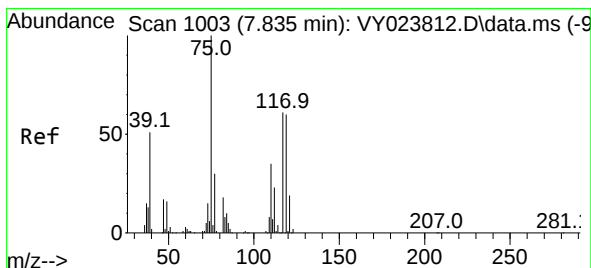
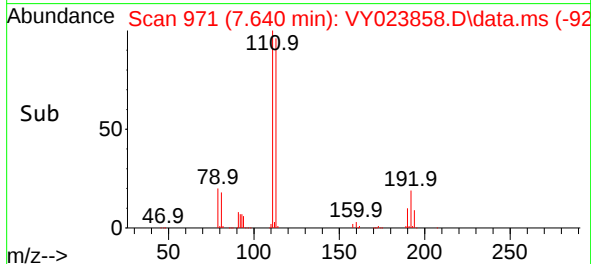
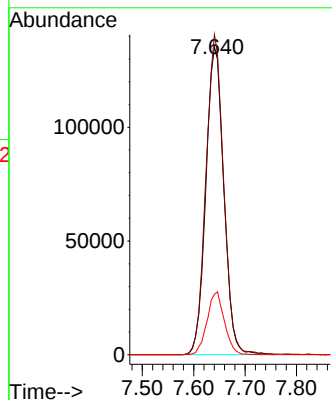
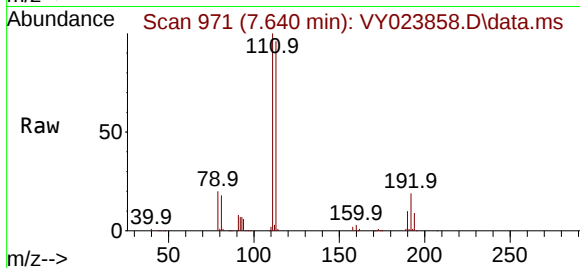
Tgt Ion:113 Resp: 327461

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.7 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

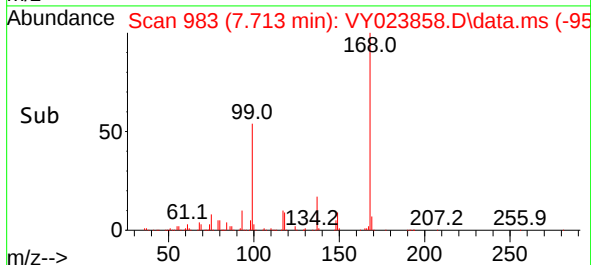
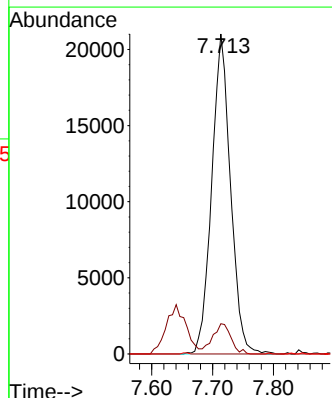
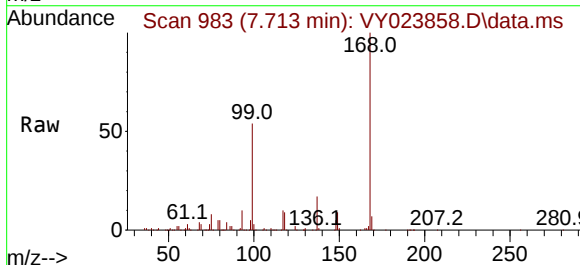
Tgt Ion: 75 Resp: 45061

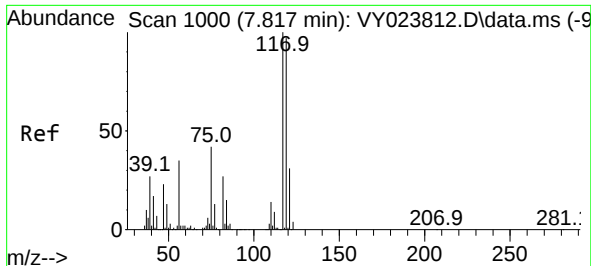
Ion Ratio Lower Upper

75 100

110 9.2 17.6 52.8#

77 0.0 24.9 37.3#

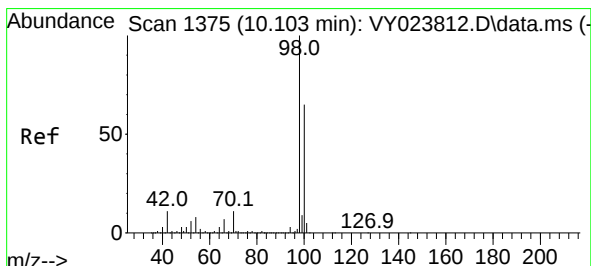
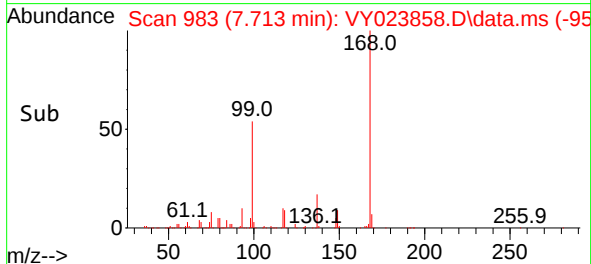
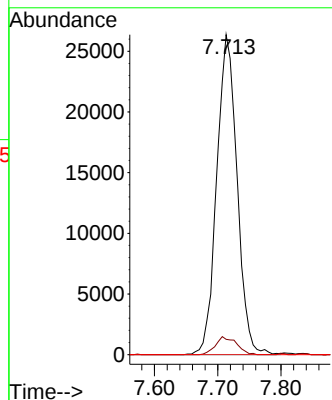
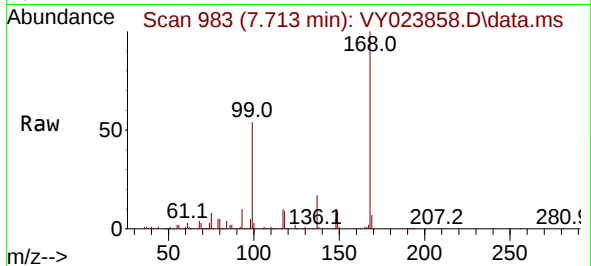




#38  
Carbon Tetrachloride  
Concen: 5.731 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

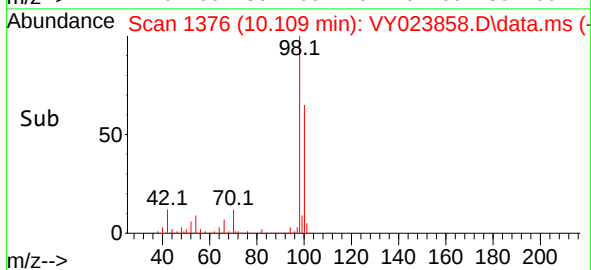
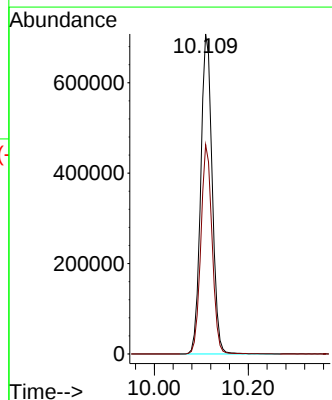
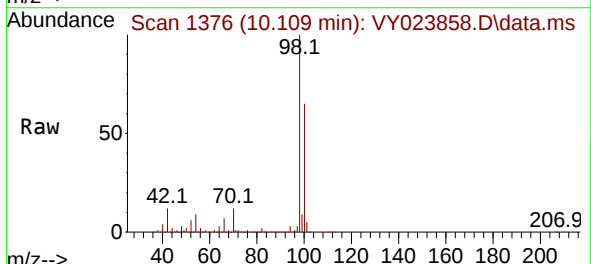
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ROW

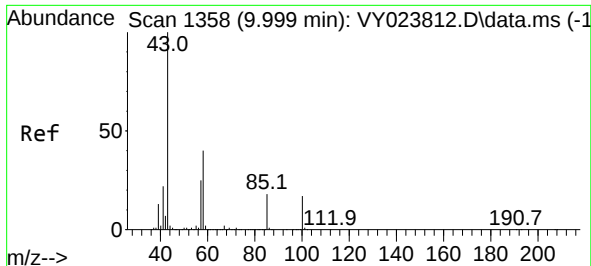
Tgt Ion:117 Resp: 58872  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.3 115.9#  
121 0.0 25.0 37.6#



#50  
Toluene-d8  
Concen: 49.389 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023858.D  
Acq: 02 Dec 2025 14:05

Tgt Ion: 98 Resp: 1197326  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.160 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

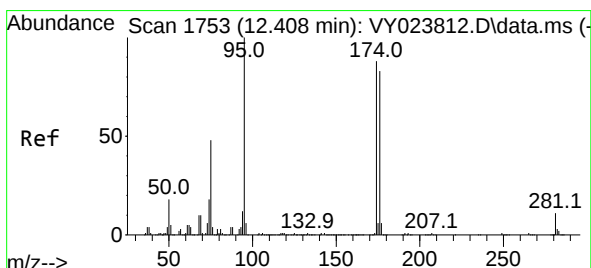
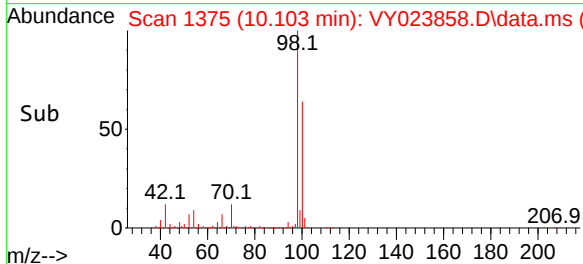
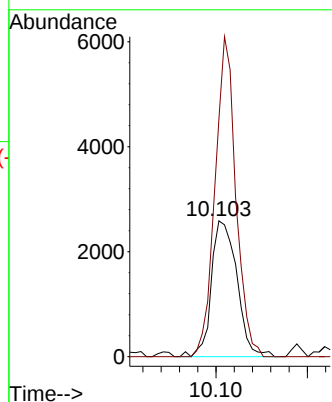
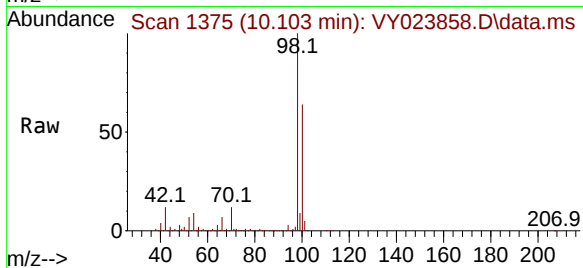
ROW

Tgt Ion: 43 Resp: 5022

Ion Ratio Lower Upper

43 100

58 192.4 32.4 48.6#



#62

4-Bromofluorobenzene

Concen: 31.709 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

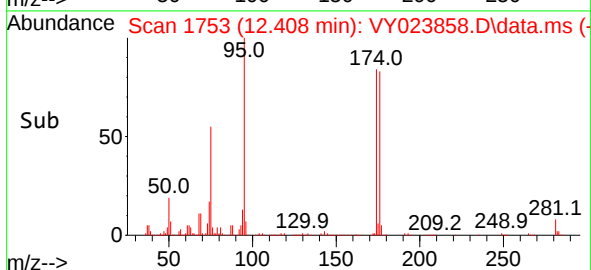
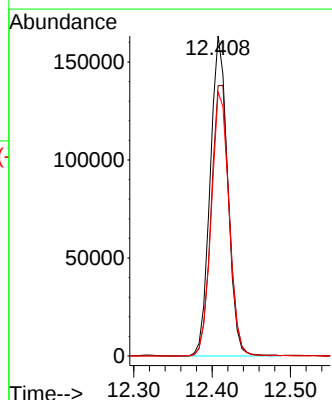
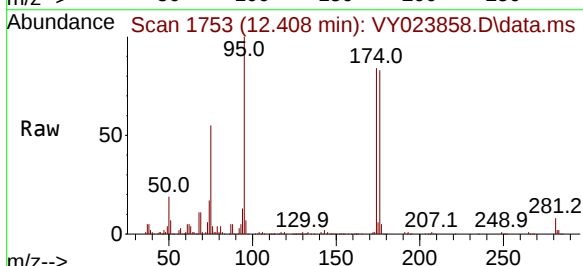
Tgt Ion: 95 Resp: 252936

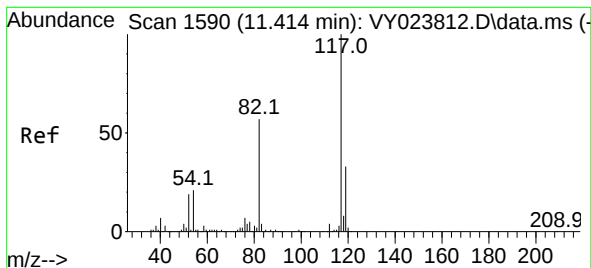
Ion Ratio Lower Upper

95 100

174 87.6 0.0 168.6

176 83.6 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

ROW

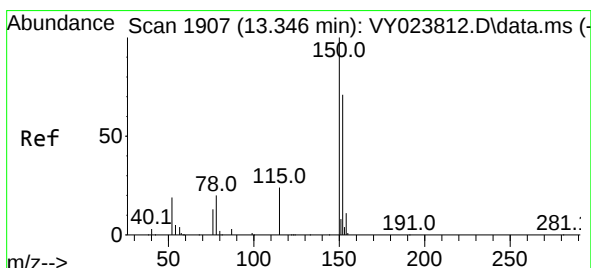
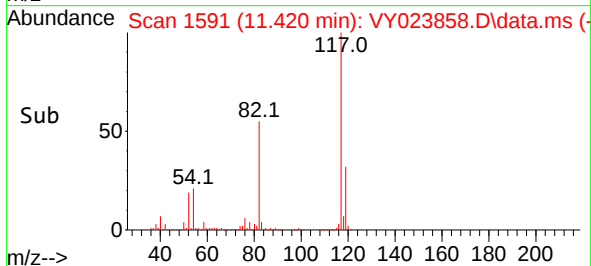
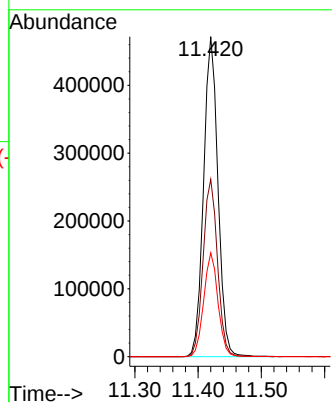
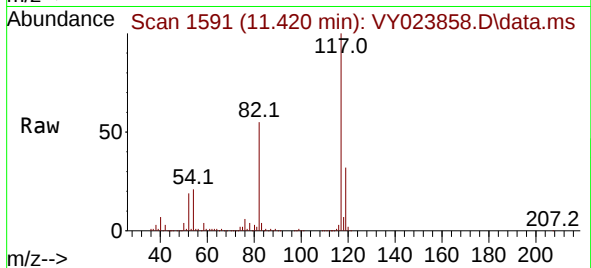
Tgt Ion:117 Resp: 747016

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.0

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

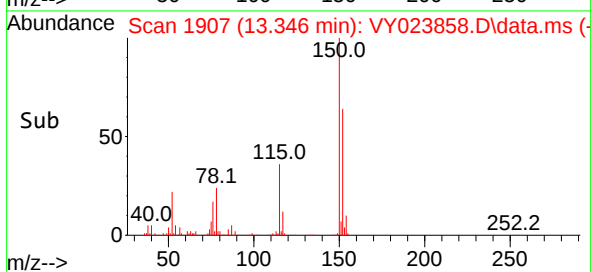
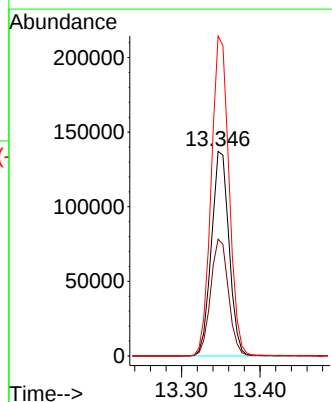
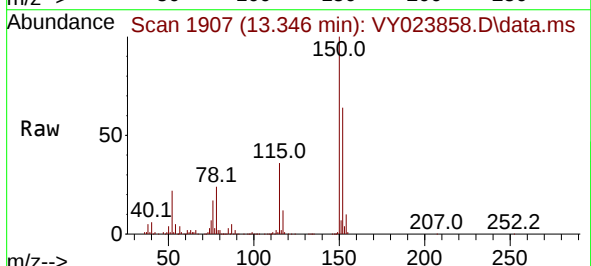
Tgt Ion:152 Resp: 214228

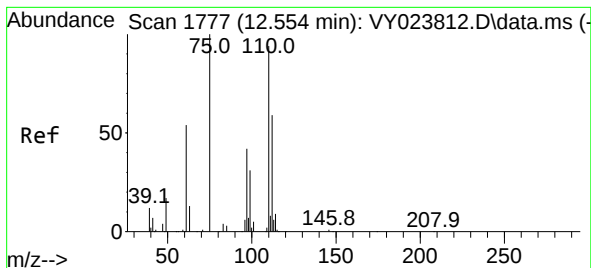
Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.3

150 157.8 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 72.182 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.146 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

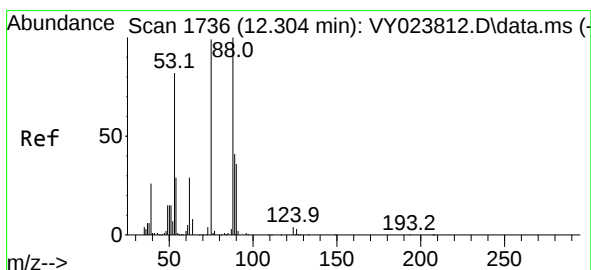
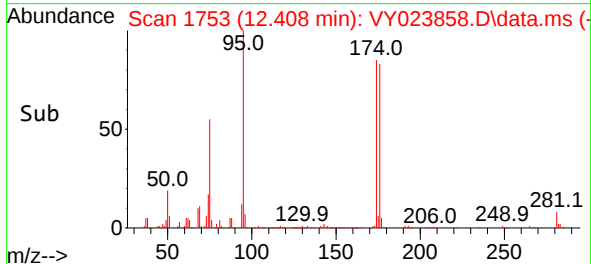
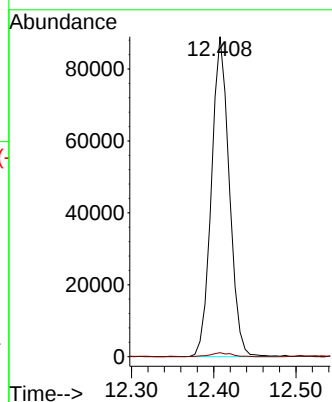
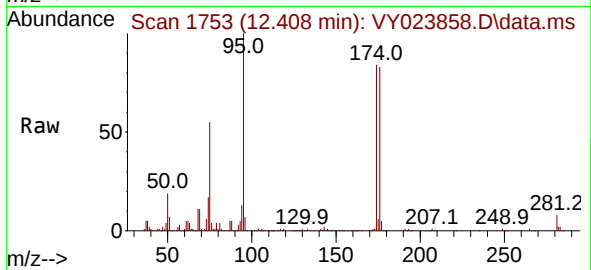
ROW

Tgt Ion: 75 Resp: 134472

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.571 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY023858.D

Acq: 02 Dec 2025 14:05

Tgt Ion: 75 Resp: 134472

Ion Ratio Lower Upper

75 100

53 0.3 71.3 106.9#

89 0.3 37.0 55.4#

