

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050525\  
 Data File : VY022158.D  
 Acq On : 05 May 2025 14:45  
 Operator : SY/MD  
 Sample : Q1938-08  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOWER-WALL-PILE-D

Quant Time: May 06 05:21:59 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

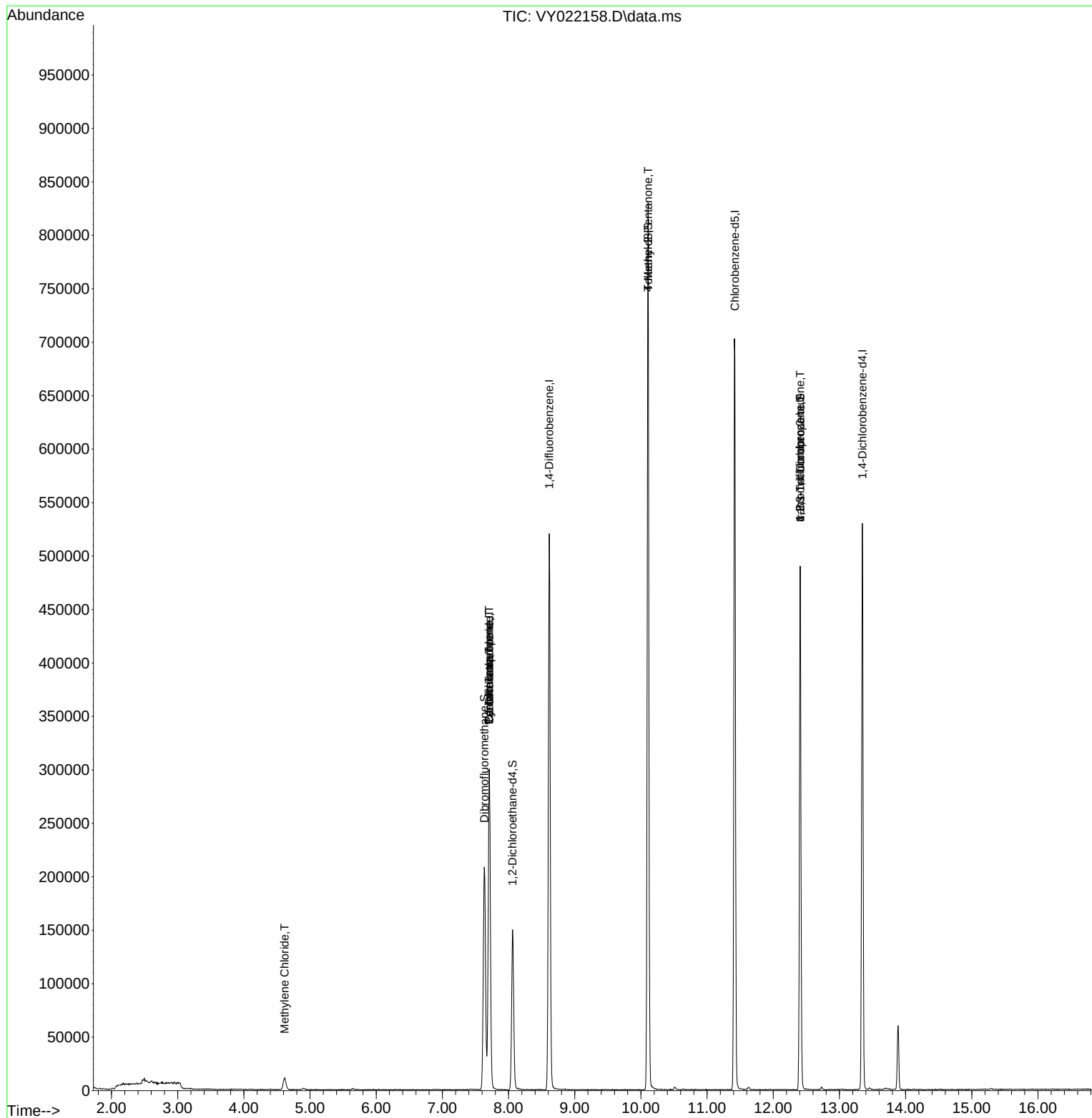
| Compound                      | R.T.           | QIon | Response            | Conc           | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|----------------|-------|----------|
| -----                         |                |      |                     |                |       |          |
| Internal Standards            |                |      |                     |                |       |          |
| 1) Pentafluorobenzene         | 7.707          | 168  | 233116              | 50.000         | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615          | 114  | 451914              | 50.000         | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.420         | 117  | 393585              | 50.000         | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 137265              | 50.000         | ug/l  | 0.00     |
|                               |                |      |                     |                |       |          |
| System Monitoring Compounds   |                |      |                     |                |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.060          | 65   | 115763              | 53.762         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 107.520% |                |       |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 150602              | 50.443         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 100.880% |                |       |          |
| 50) Toluene-d8                | 10.109         | 98   | 548601              | 48.740         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 97.480%  |                |       |          |
| 62) 4-Bromofluorobenzene      | 12.407         | 95   | 144387              | 38.106         | ug/l  | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 76.220%  |                |       |          |
|                               |                |      |                     |                |       |          |
| Target Compounds              |                |      |                     |                |       | Qvalue   |
| 16) Acetone                   | 3.866          | 43   | 484                 | Below Cal      |       | 99       |
| 20) Methylene Chloride        | 4.616          | 84   | 8851                | 3.251 ug/l     |       | 98       |
| 31) Cyclohexane               | 7.707          | 56   | 4631                | 1.301 ug/l #   |       | 8        |
| 36) 1,1-Dichloropropene       | 7.707          | 75   | 17573               | 4.382 ug/l #   |       | 48       |
| 38) Carbon Tetrachloride      | 7.707          | 117  | 24077               | 5.024 ug/l #   |       | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.109         | 43   | 1966                | 1.356 ug/l #   |       | 1        |
| 76) 1,2,3-Trichloropropane    | 12.407         | 75   | 71694               | 60.978 ug/l #  |       | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407         | 75   | 71694               | 146.843 ug/l # |       | 16       |
| -----                         |                |      |                     |                |       |          |

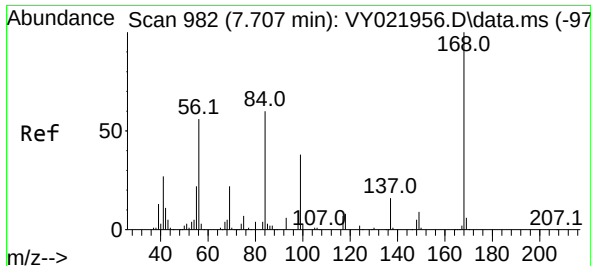
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

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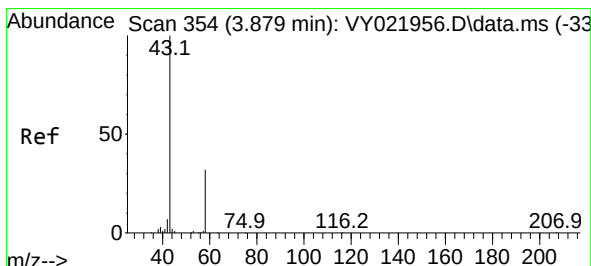
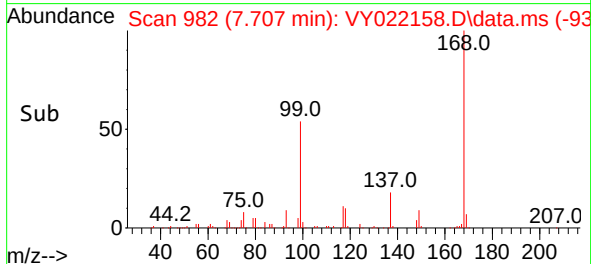
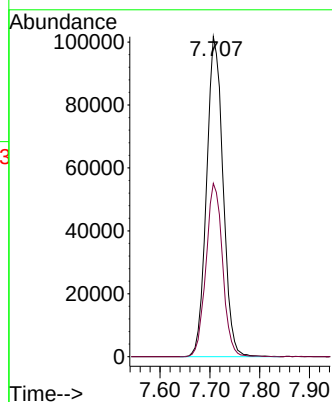
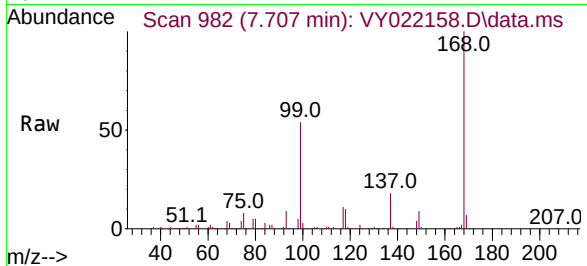




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

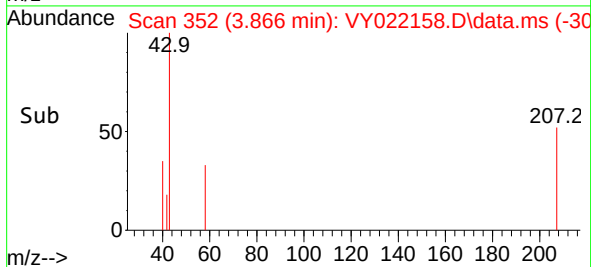
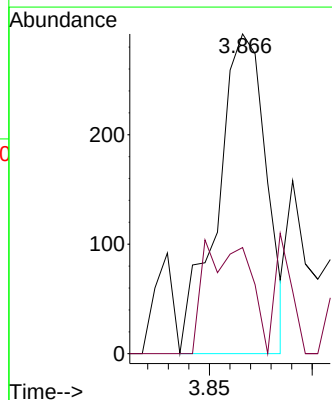
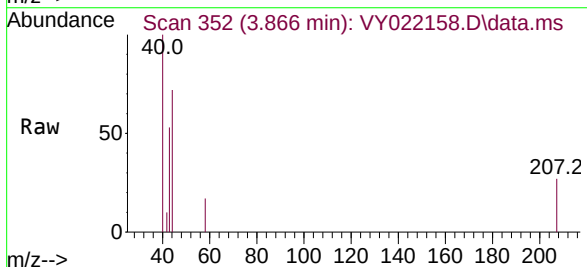
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

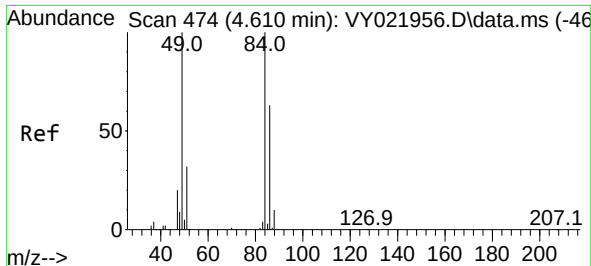
Tgt Ion:168 Resp: 233116  
Ion Ratio Lower Upper  
168 100  
99 54.2 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.866 min Scan# 352  
Delta R.T. -0.013 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Tgt Ion: 43 Resp: 484  
Ion Ratio Lower Upper  
43 100  
58 33.2 27.0 40.4

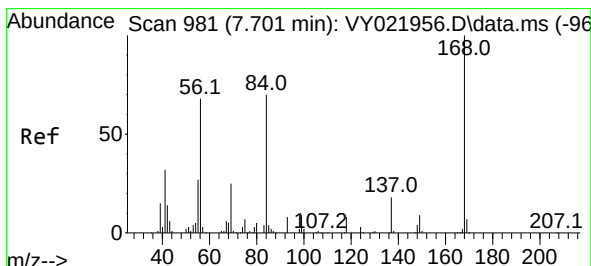
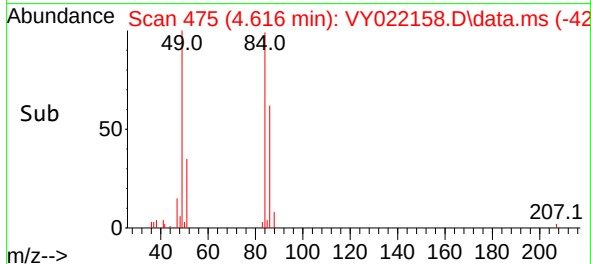
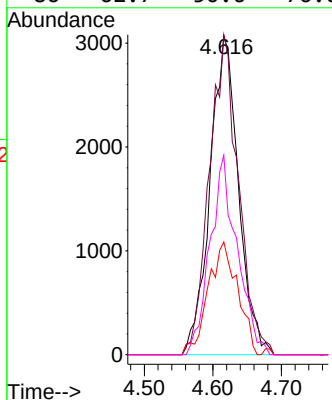
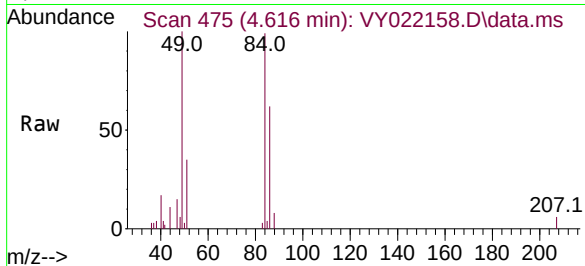




#20  
Methylene Chloride  
Concen: 3.251 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

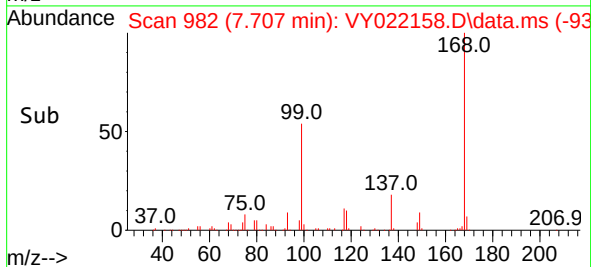
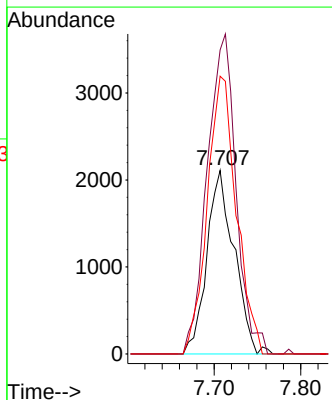
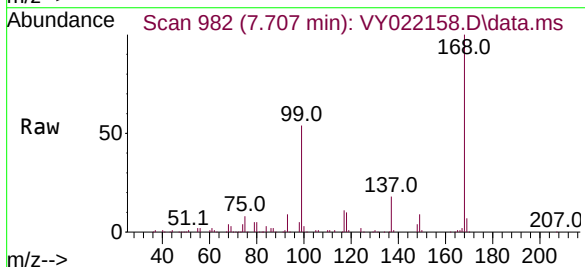
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

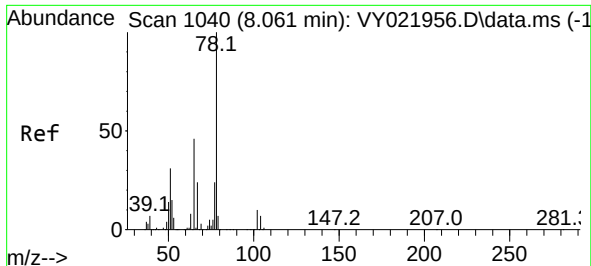
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 8851  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 100.7 | 79.9  | 119.9 |
| 51       | 35.5  | 25.4  | 38.0  |
| 86       | 62.7  | 50.6  | 76.0  |



#31  
Cyclohexane  
Concen: 1.301 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 4631   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 165.6 | 29.4  | 44.2#  |
| 84       | 151.3 | 82.2  | 123.4# |





#33

1,2-Dichloroethane-d4

Concen: 53.762 ug/l

RT: 8.060 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022158.D

Acq: 05 May 2025 14:45

Instrument :

MSVOA\_Y

ClientSampleId :

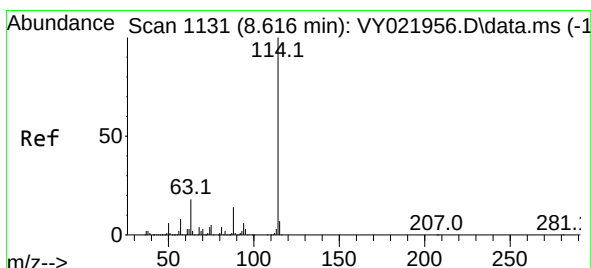
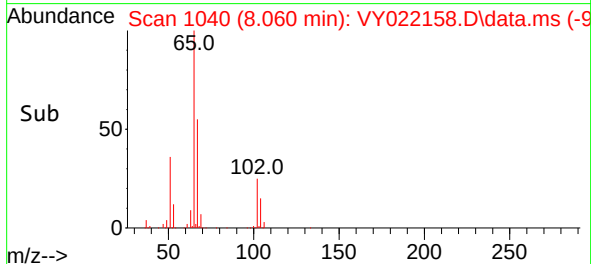
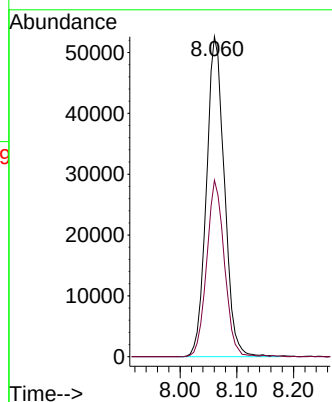
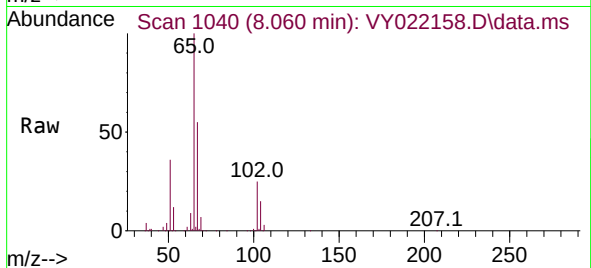
LOWER-WALL-PILE-D

Tgt Ion: 65 Resp: 115763

Ion Ratio Lower Upper

65 100

67 54.2 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: VY022158.D

Acq: 05 May 2025 14:45

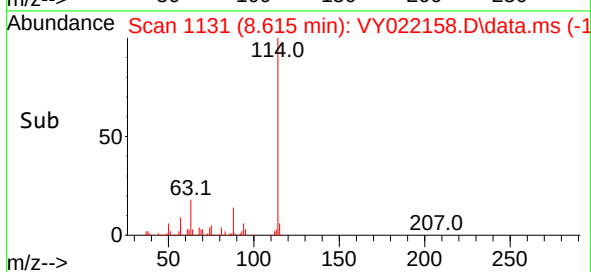
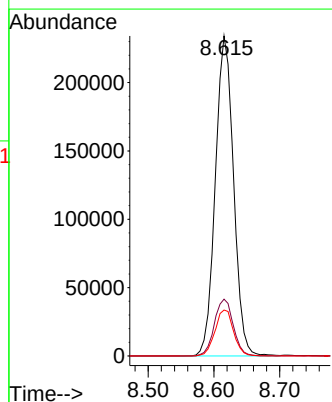
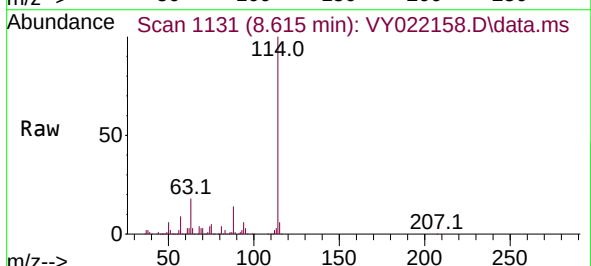
Tgt Ion: 114 Resp: 451914

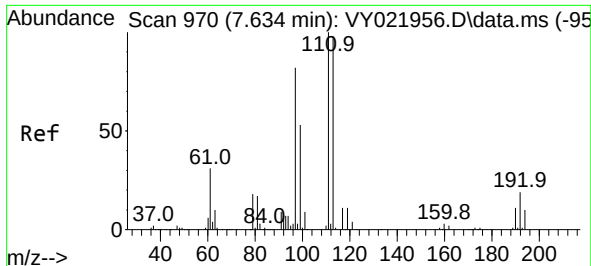
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.4 0.0 28.2

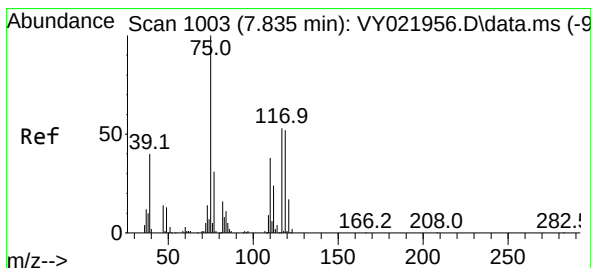
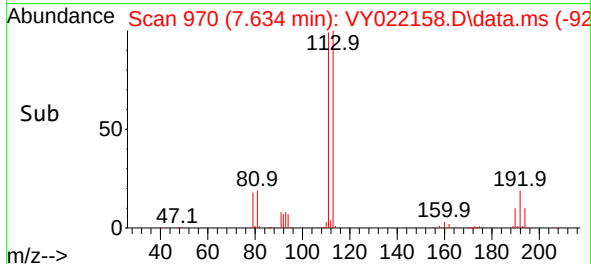
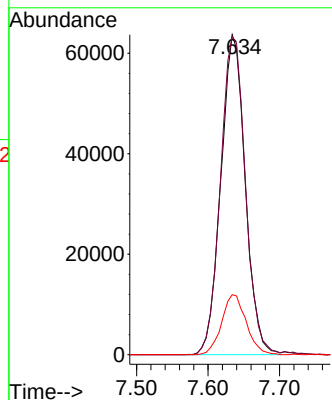
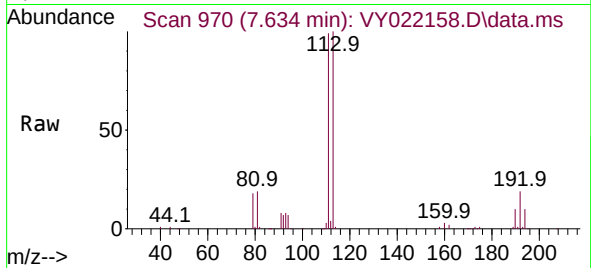




#35  
Dibromofluoromethane  
Concen: 50.443 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

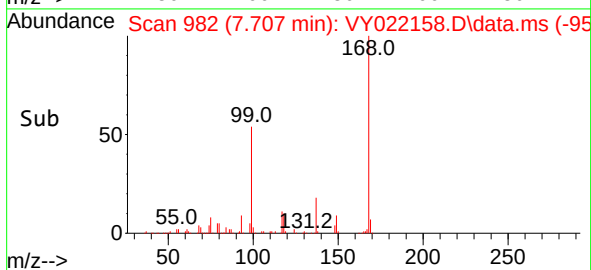
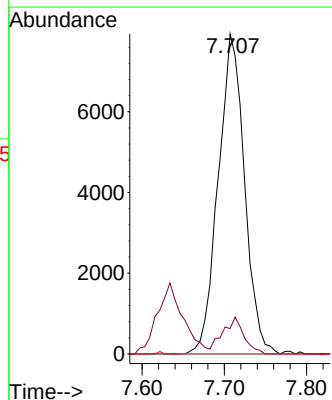
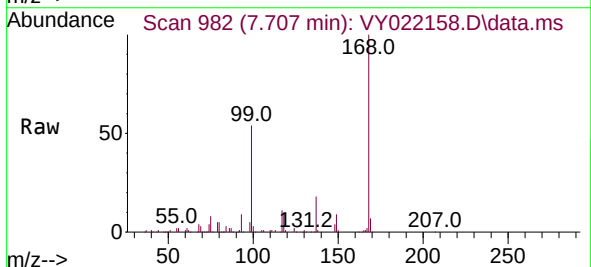
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

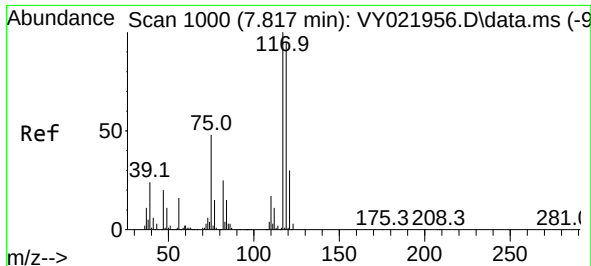
Tgt Ion:113 Resp: 150602  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.8 122.8  
192 18.9 15.6 23.4



#36  
1,1-Dichloropropene  
Concen: 4.382 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.128 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Tgt Ion: 75 Resp: 17573  
Ion Ratio Lower Upper  
75 100  
110 9.3 19.1 57.3#  
77 0.0 25.5 38.3#

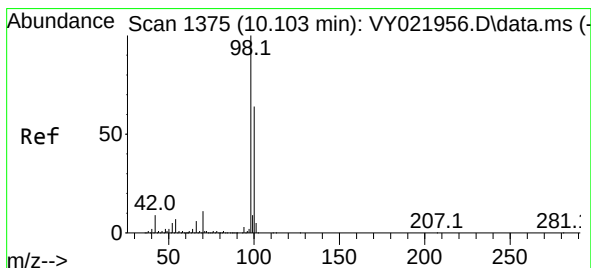
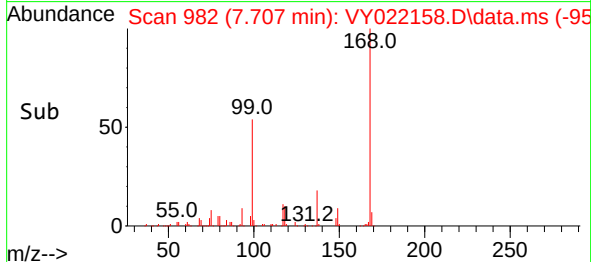
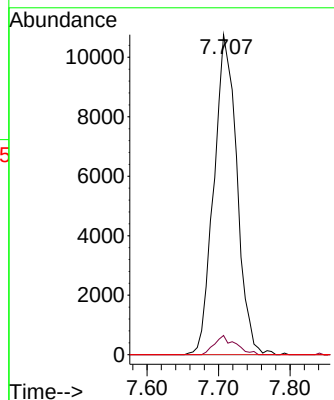
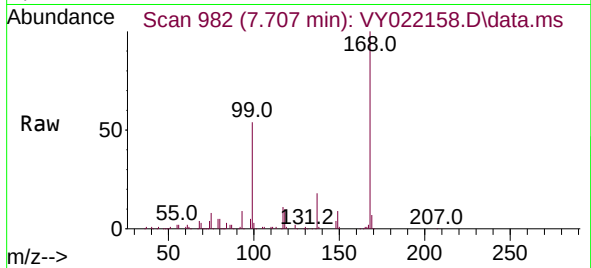




#38  
Carbon Tetrachloride  
Concen: 5.024 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

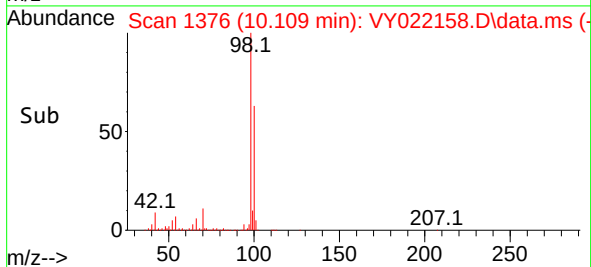
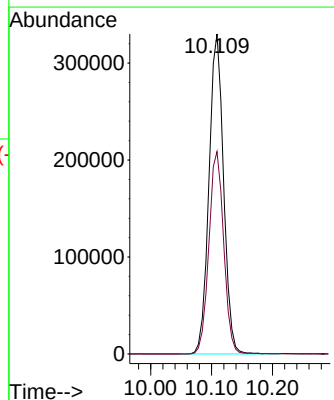
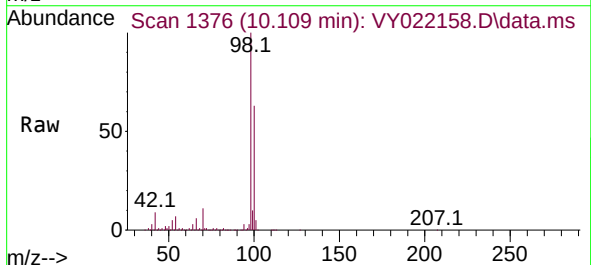
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

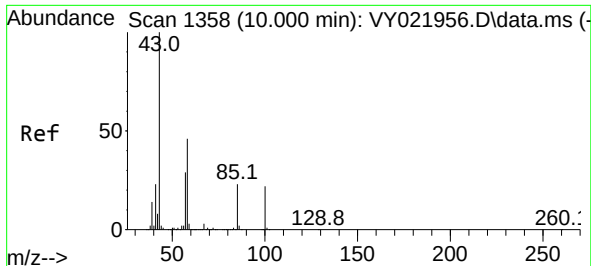
Tgt Ion:117 Resp: 24077  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.2 114.4#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 48.740 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Tgt Ion: 98 Resp: 548601  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.6 77.4

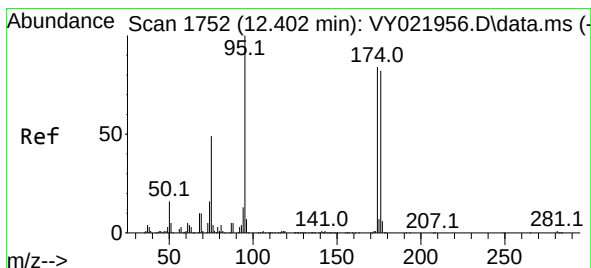
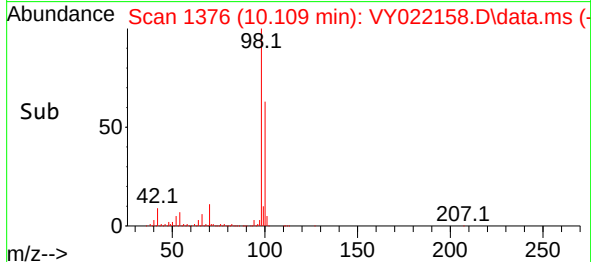
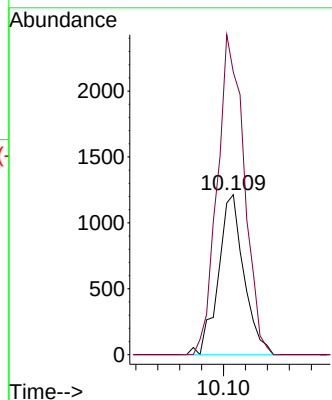
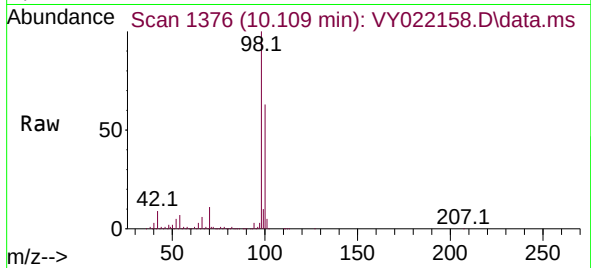




#51  
4-Methyl-2-Pentanone  
Concen: 1.356 ug/l  
RT: 10.109 min Scan# 1358  
Delta R.T. 0.109 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

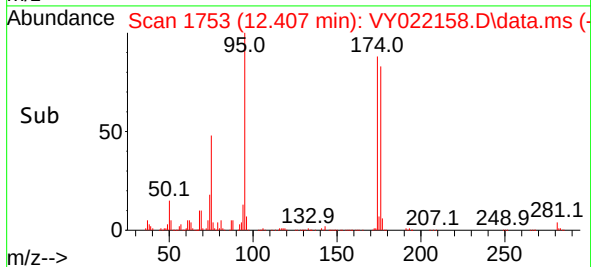
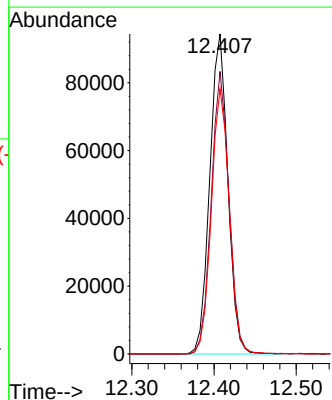
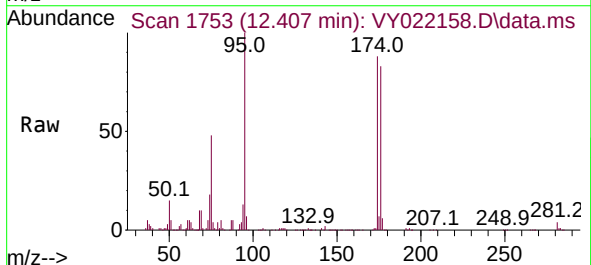
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

Tgt Ion: 43 Resp: 1966  
Ion Ratio Lower Upper  
43 100  
58 210.7 36.6 55.0#

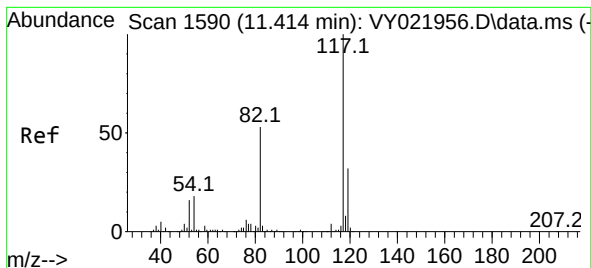


#62  
4-Bromofluorobenzene  
Concen: 38.106 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Tgt Ion: 95 Resp: 144387  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 179.0  
176 82.5 0.0 171.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022158.D

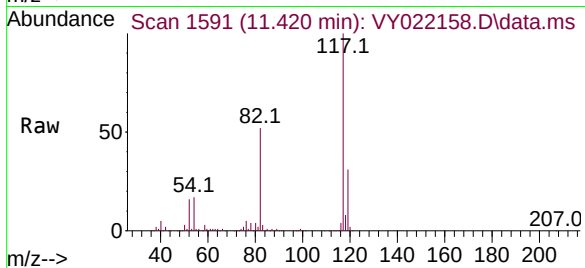
Acq: 05 May 2025 14:45

Instrument :

MSVOA\_Y

ClientSampleId :

LOWER-WALL-PILE-D



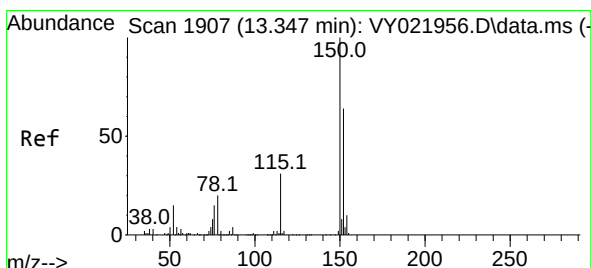
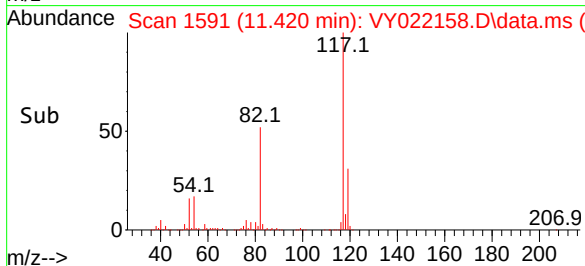
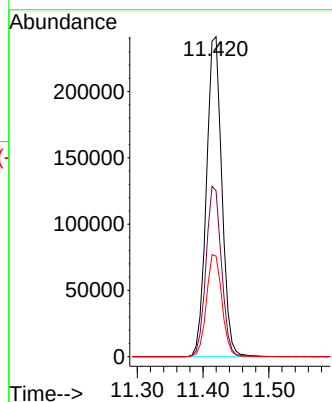
Tgt Ion:117 Resp: 393585

Ion Ratio Lower Upper

117 100

82 51.8 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: VY022158.D

Acq: 05 May 2025 14:45

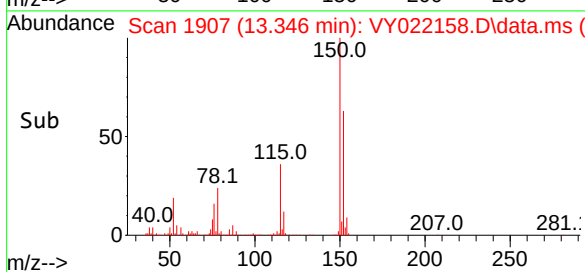
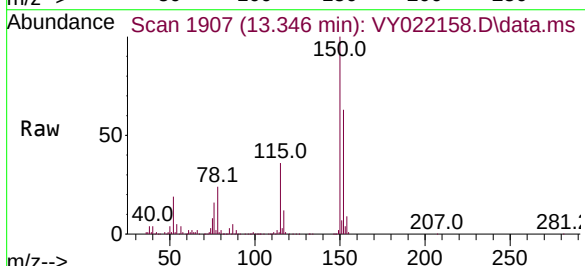
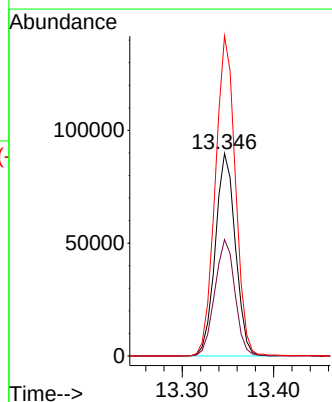
Tgt Ion:152 Resp: 137265

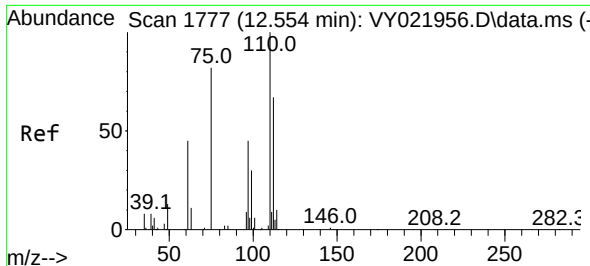
Ion Ratio Lower Upper

152 100

115 57.5 28.0 84.0

150 157.9 0.0 345.6

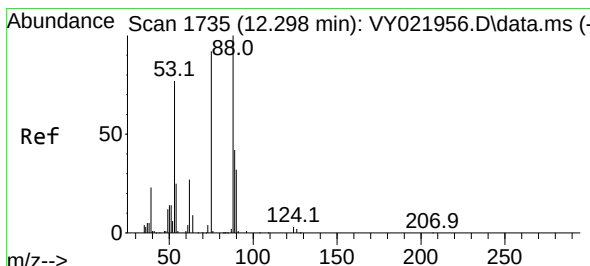
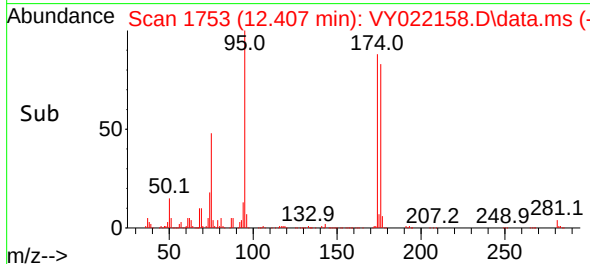
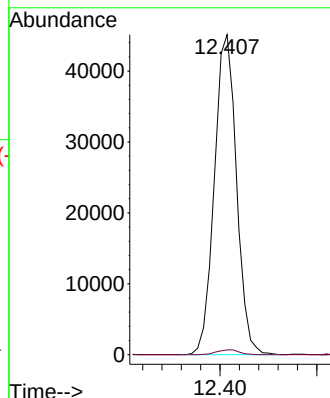
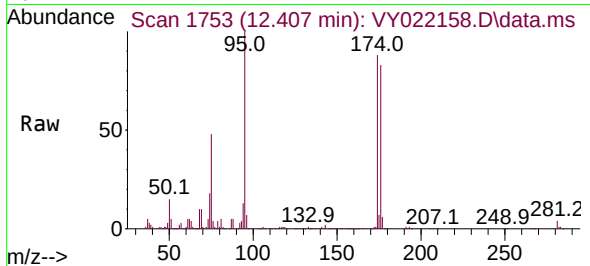




#76  
1,2,3-Trichloropropane  
Concen: 60.978 ug/l  
RT: 12.407 min Scan# 1777  
Delta R.T. -0.147 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOWER-WALL-PILE-D

Tgt Ion: 75 Resp: 71694  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 146.843 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.109 min  
Lab File: VY022158.D  
Acq: 05 May 2025 14:45

Tgt Ion: 75 Resp: 71694  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.0 99.0#  
89 0.1 37.2 55.8#

