

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022725\  
 Data File : VY021351.D  
 Acq On : 27 Feb 2025 12:28  
 Operator : SY/MD  
 Sample : Q1442-03  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 28 00:41:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 26 02:09:13 2025  
 Response via : Initial Calibration

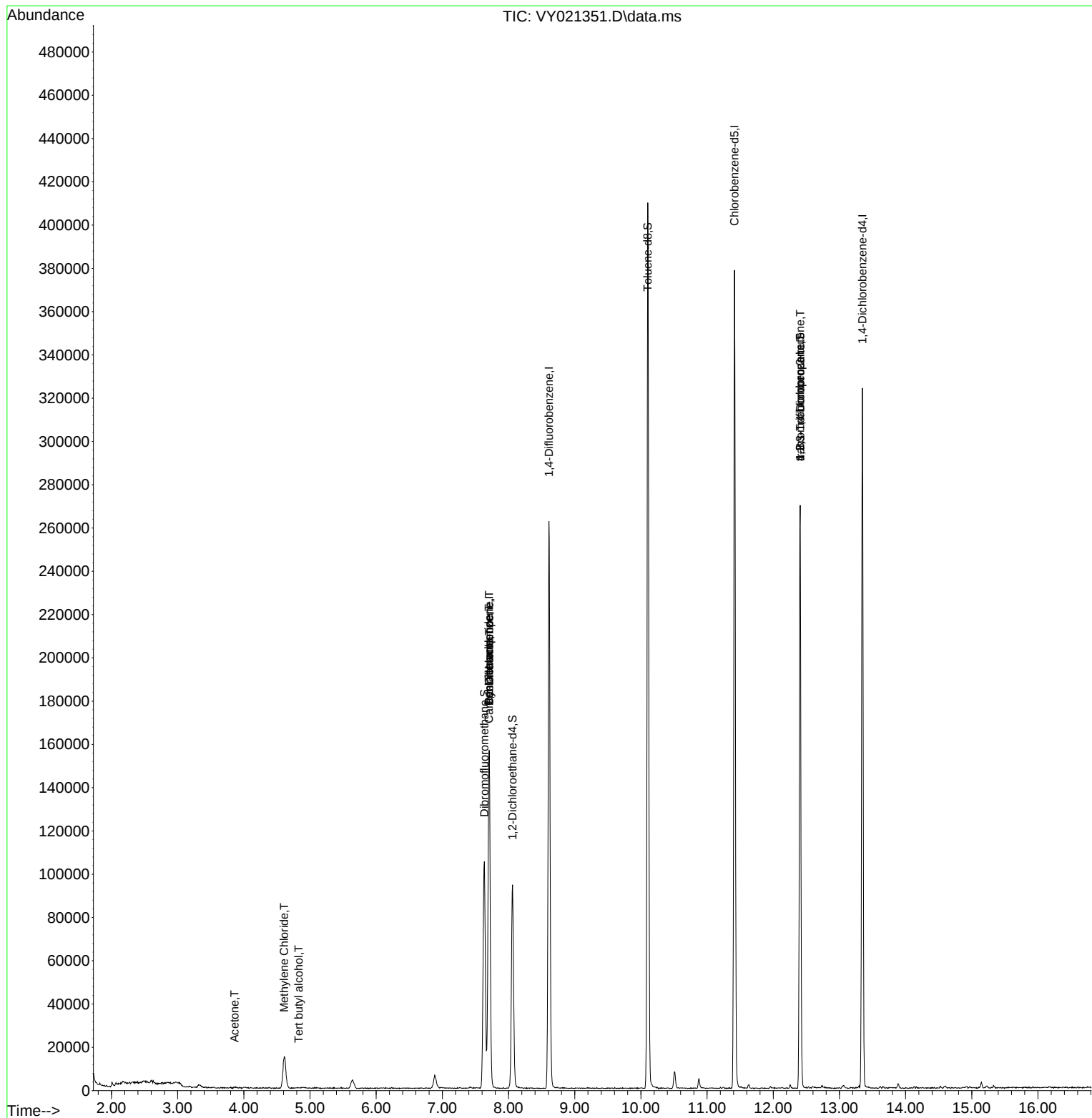
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 118963   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 213600   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 193897   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 79357    | 50.000   | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 76242    | 56.495   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 113.000% |
| 35) Dibromofluoromethane      | 7.634  | 113   | 74099    | 52.914   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 105.820% |
| 50) Toluene-d8                | 10.103 | 98    | 257396   | 47.559   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 95.120%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 79764    | 43.793   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 87.580%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.830  | 59    | 309      | 2.977    | ug/l # | 72       |
| 16) Acetone                   | 3.860  | 43    | 308      | 1.190    | ug/l # | 45       |
| 20) Methylene Chloride        | 4.610  | 84    | 10933    | 7.810    | ug/l   | 95       |
| 31) Cyclohexane               | 7.707  | 56    | 2837     | 1.192    | ug/l # | 24       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 9588     | 4.558    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 12318    | 5.209    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 44371    | 55.860   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 44371    | 124.157  | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

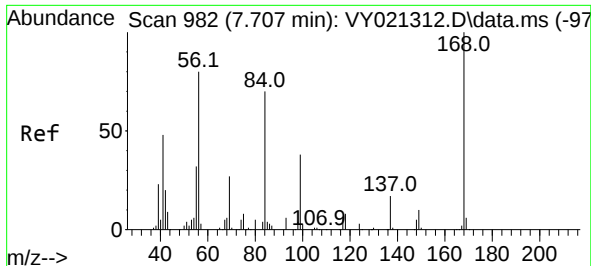
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022725\  
Data File : VY021351.D  
Acq On : 27 Feb 2025 12:28  
Operator : SY/MD  
Sample : Q1442-03  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 28 00:41:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 26 02:09:13 2025  
Response via : Initial Calibration

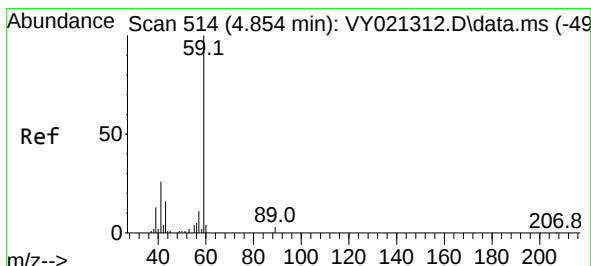
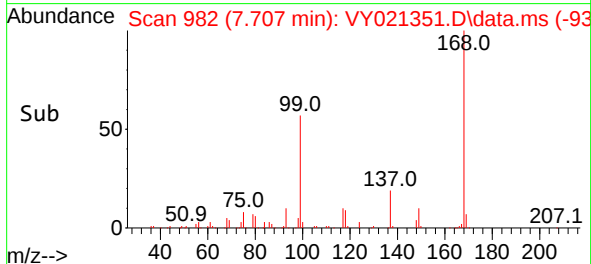
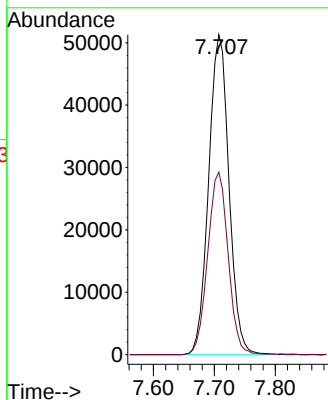
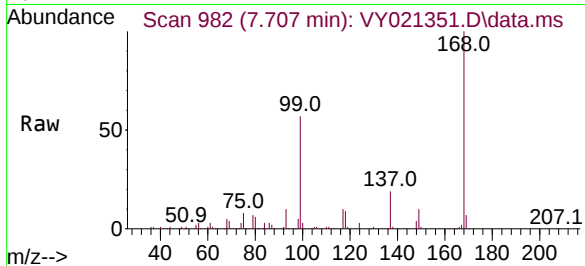




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

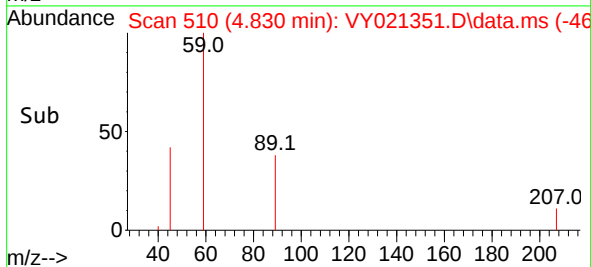
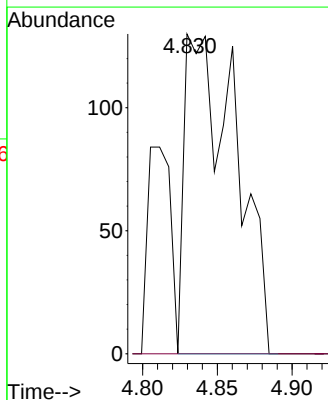
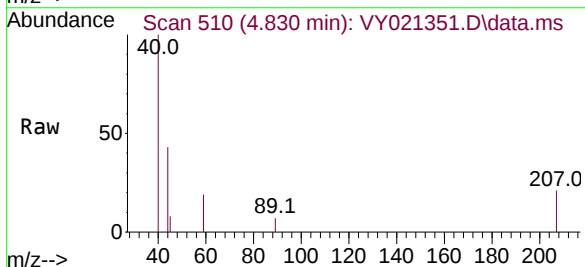
Instrument :  
MSVOA\_Y  
ClientSampleId :

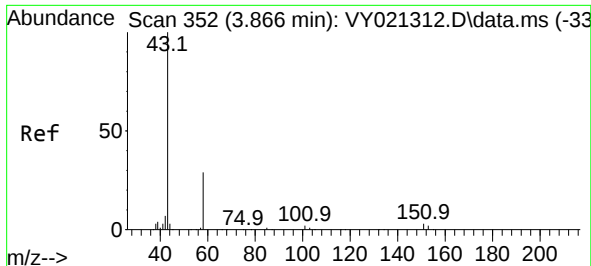
Tgt Ion:168 Resp: 118963  
Ion Ratio Lower Upper  
168 100  
99 57.0 47.1 70.7



#11  
Tert butyl alcohol  
Concen: 2.977 ug/l  
RT: 4.830 min Scan# 510  
Delta R.T. -0.024 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Tgt Ion: 59 Resp: 309  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.190 ug/l

RT: 3.860 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA\_Y

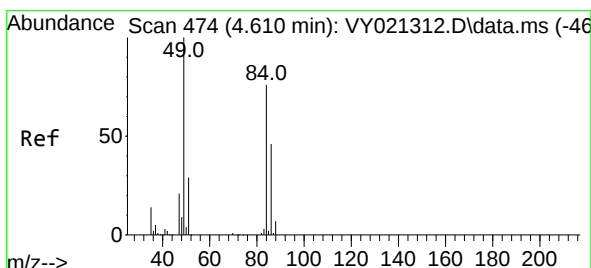
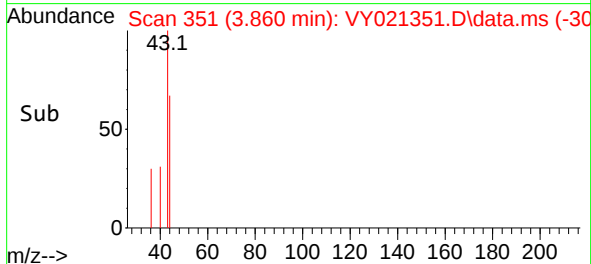
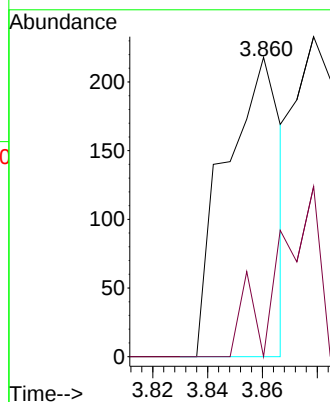
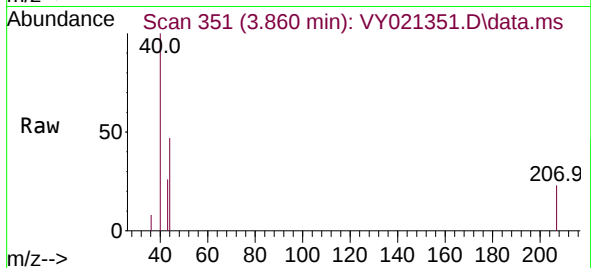
ClientSampleId :

Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

58 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: 7.810 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Tgt Ion: 84 Resp: 10933

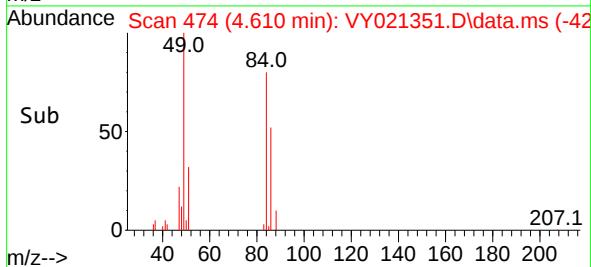
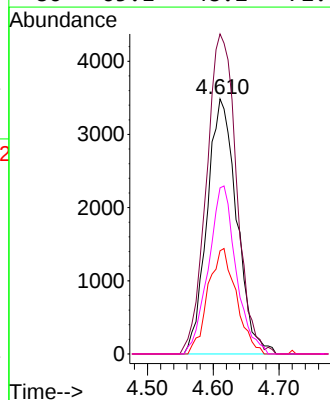
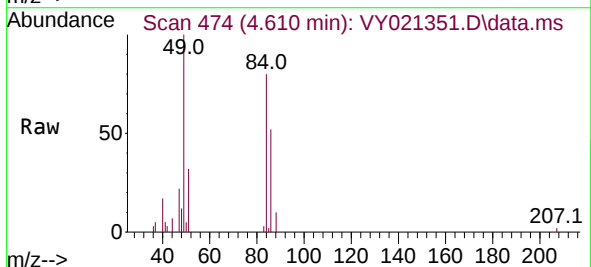
Ion Ratio Lower Upper

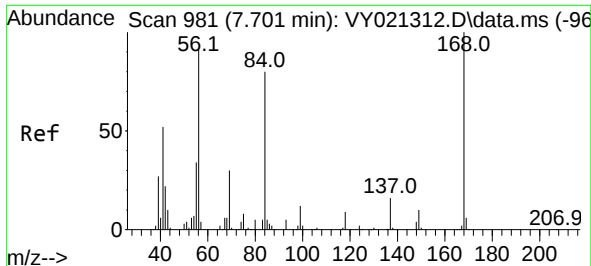
84 100

49 125.5 105.1 157.7

51 40.5 31.0 46.4

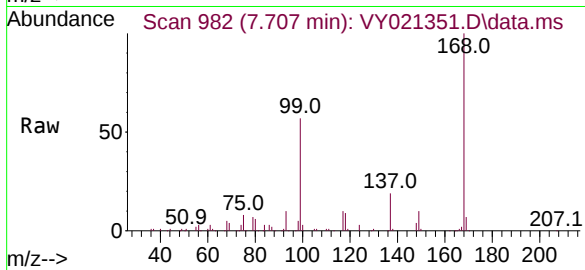
86 65.1 48.2 72.4



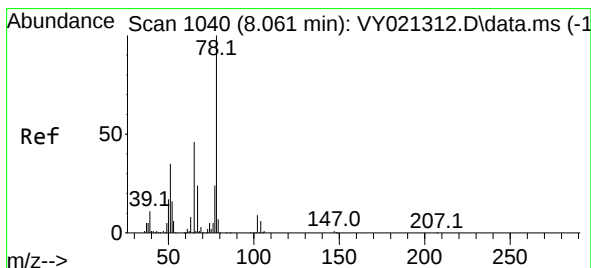
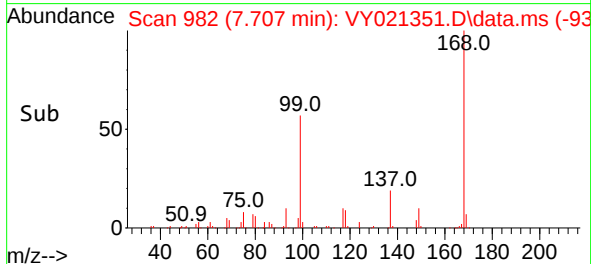
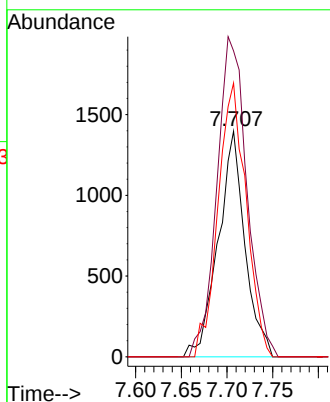


#31  
Cyclohexane  
Concen: 1.192 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

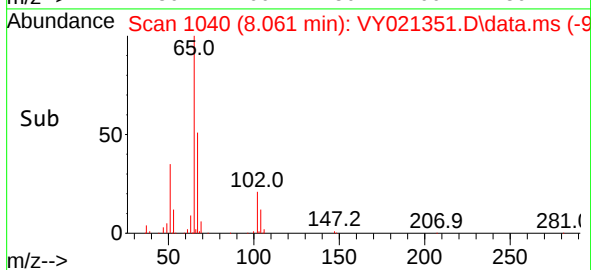
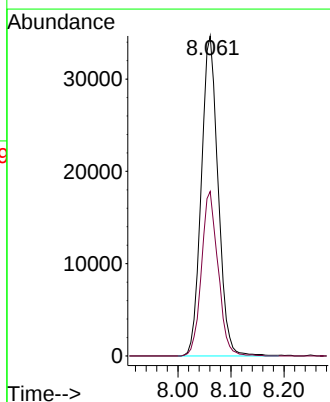
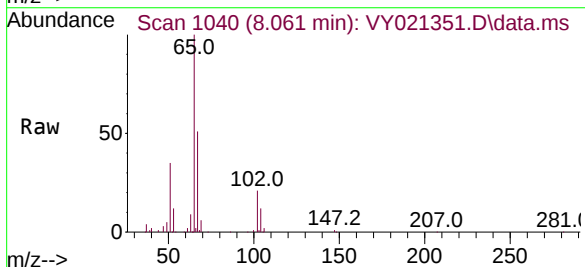


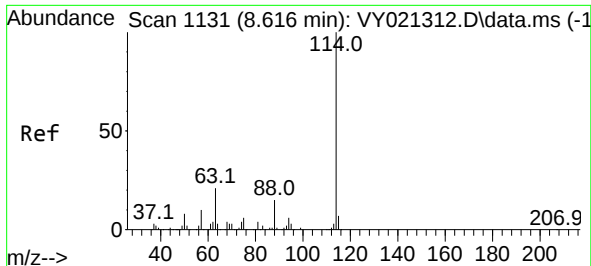
Tgt Ion: 56 Resp: 2837  
Ion Ratio Lower Upper  
56 100  
69 135.6 26.2 39.4#  
84 121.4 70.2 105.4#



#33  
1,2-Dichloroethane-d4  
Concen: 56.495 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

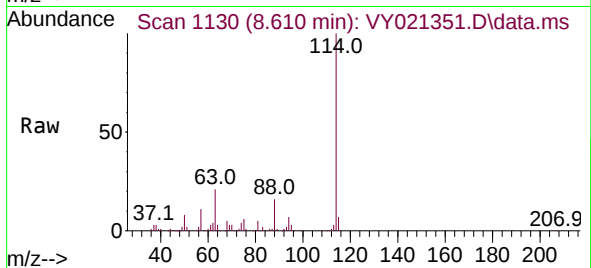
Tgt Ion: 65 Resp: 76242  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.6



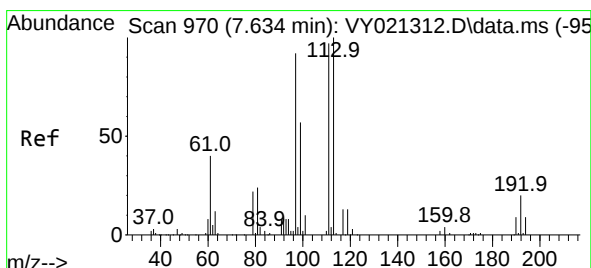
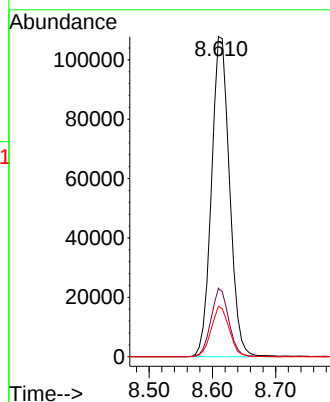
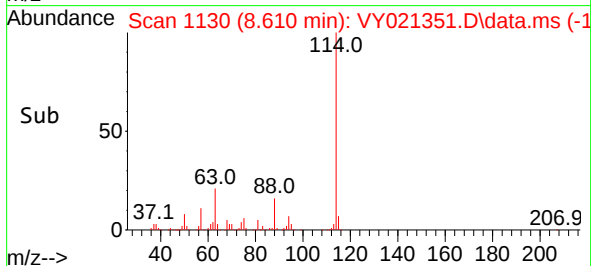


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

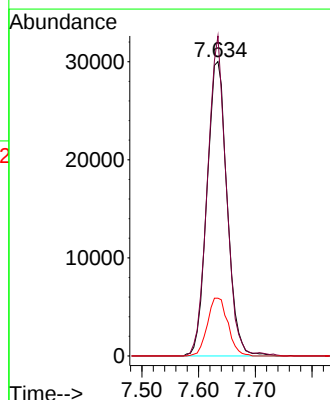
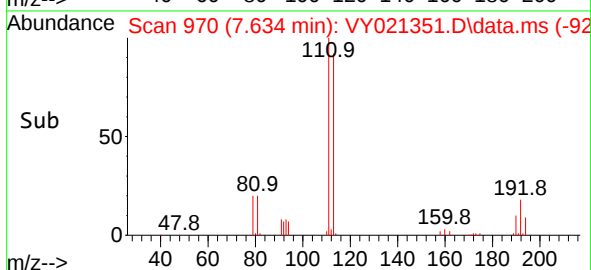
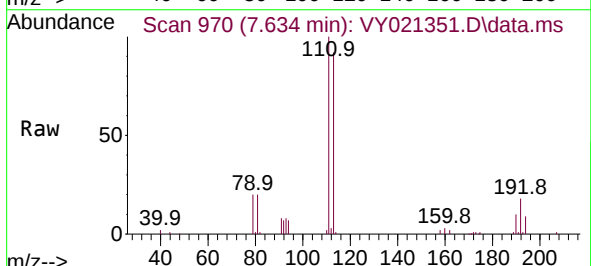


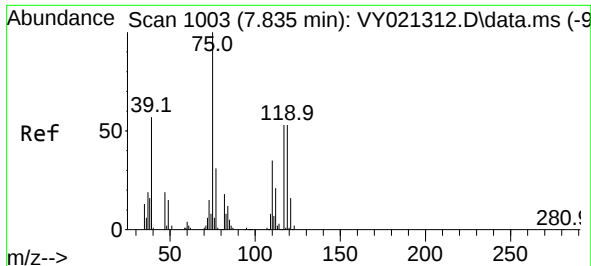
Tgt Ion:114 Resp: 213600  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 42.2  
88 15.8 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 52.914 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Tgt Ion:113 Resp: 74099  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.0 121.6  
192 20.0 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

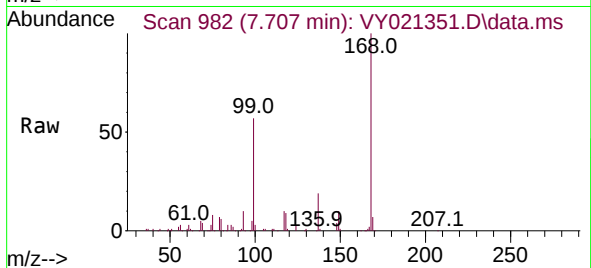
Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA\_Y

ClientSampleId :



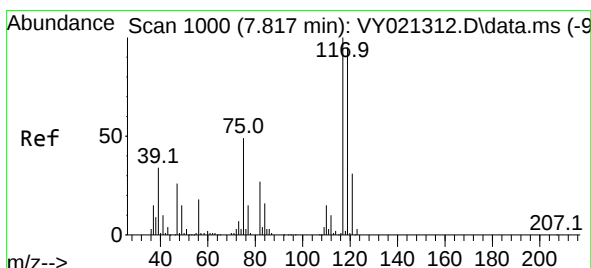
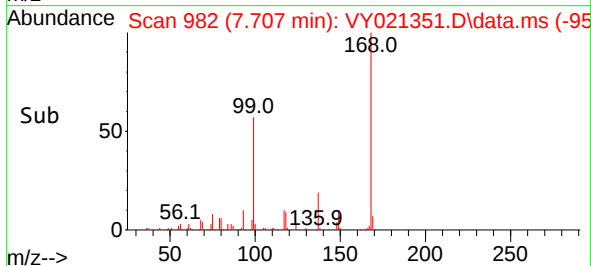
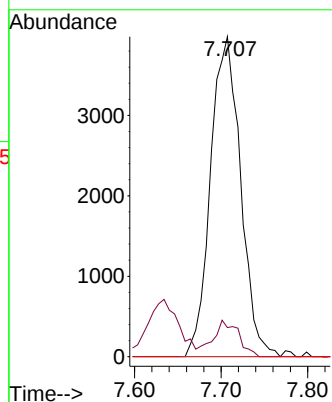
Tgt Ion: 75 Resp: 9588

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.209 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

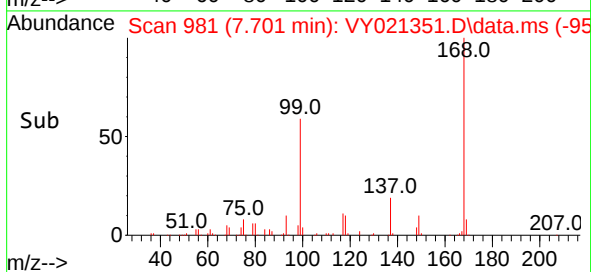
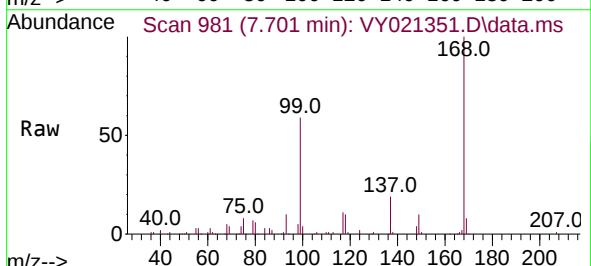
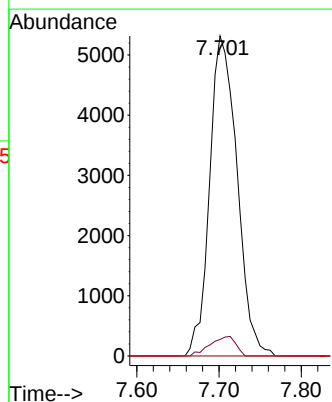
Tgt Ion: 117 Resp: 12318

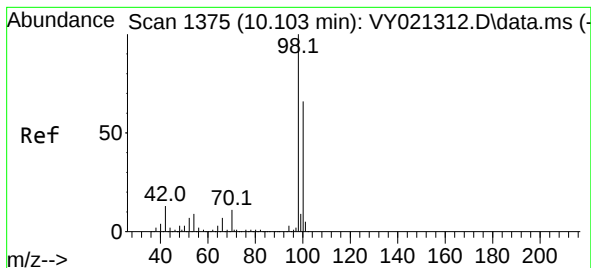
Ion Ratio Lower Upper

117 100

119 5.2 76.0 114.0#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 47.559 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA\_Y

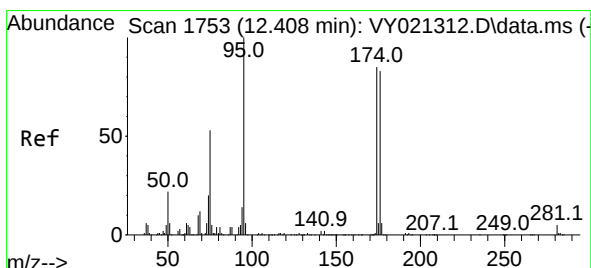
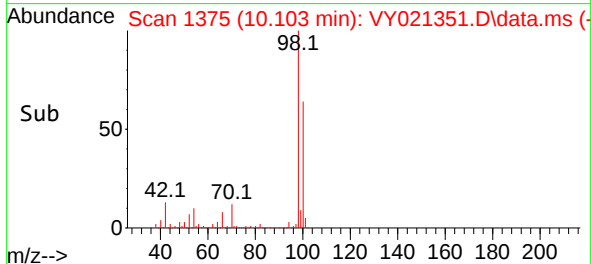
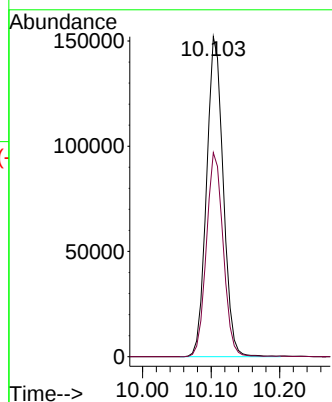
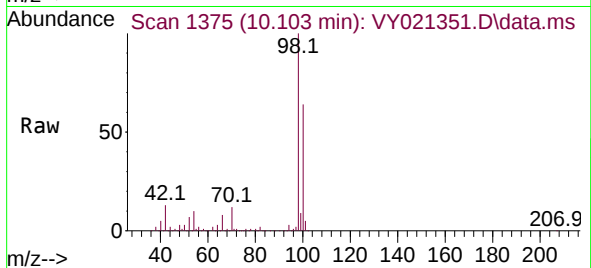
ClientSampleId :

Tgt Ion: 98 Resp: 257396

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 43.793 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

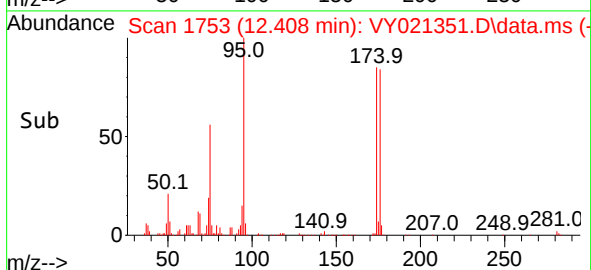
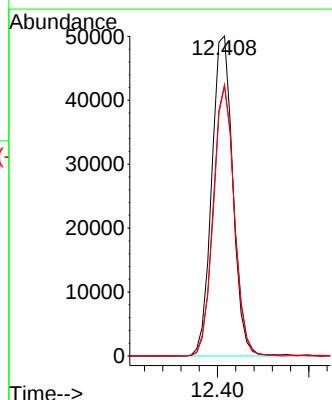
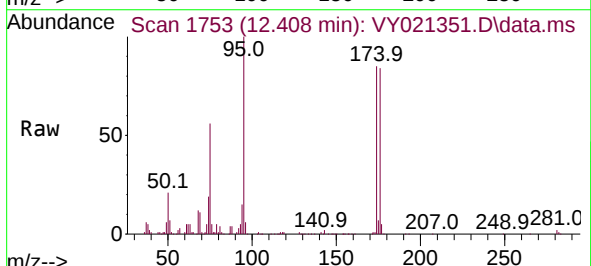
Tgt Ion: 95 Resp: 79764

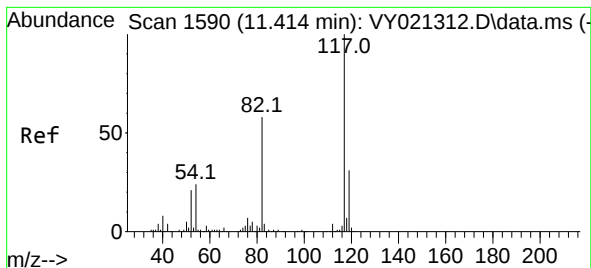
Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.0

176 83.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

Instrument :

MSVOA\_Y

ClientSampleId :

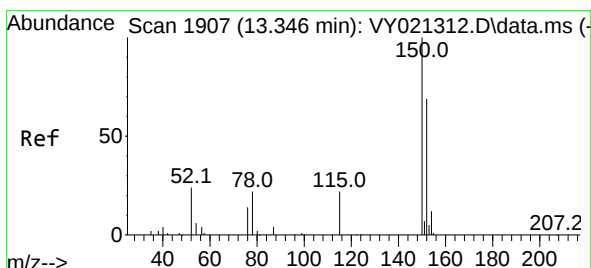
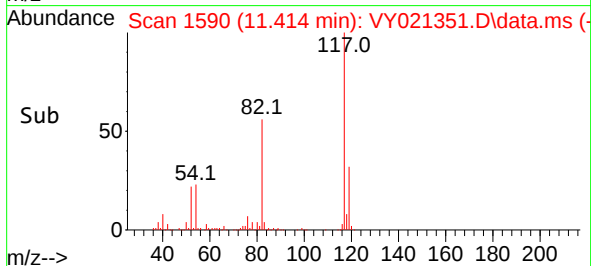
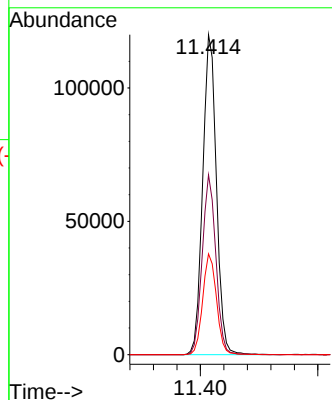
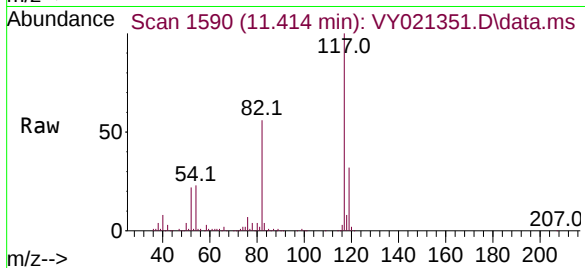
Tgt Ion:117 Resp: 193897

Ion Ratio Lower Upper

117 100

82 56.2 46.2 69.4

119 31.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021351.D

Acq: 27 Feb 2025 12:28

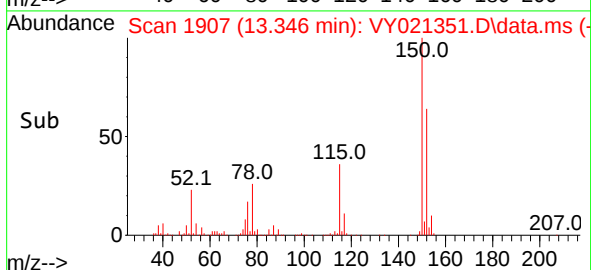
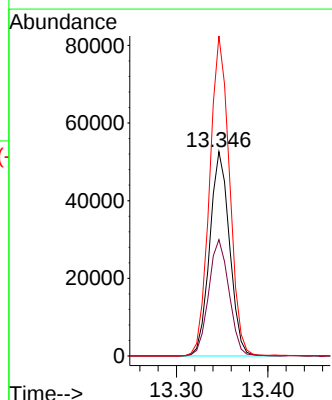
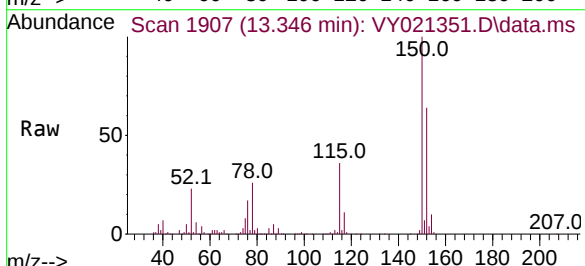
Tgt Ion:152 Resp: 79357

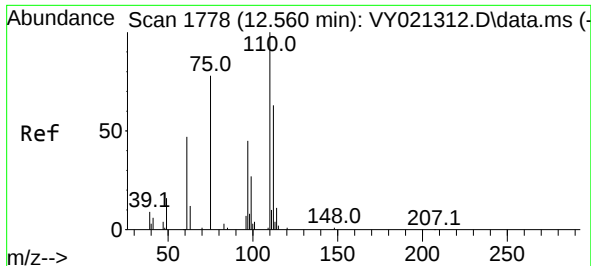
Ion Ratio Lower Upper

152 100

115 58.4 29.3 88.0

150 156.4 0.0 347.4

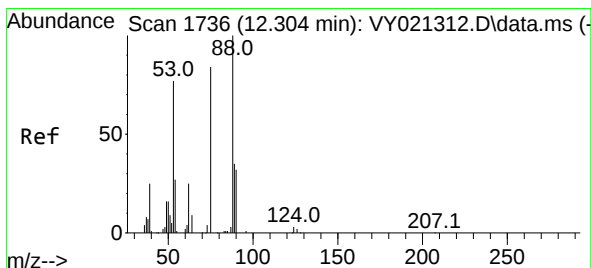
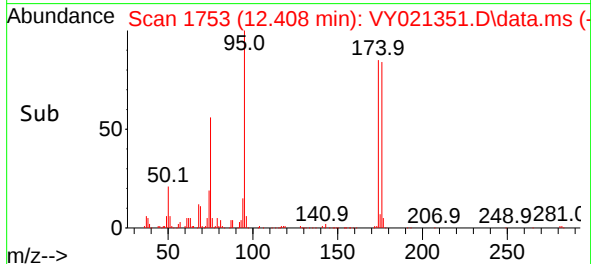
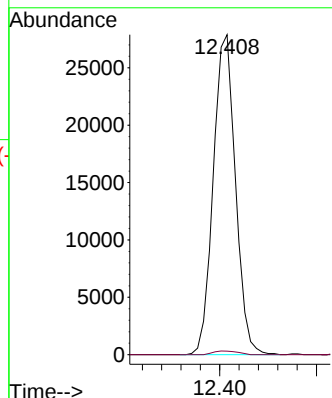
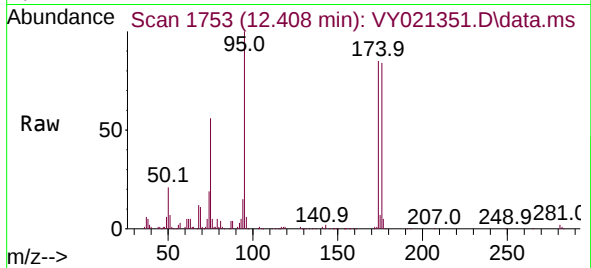




#76  
1,2,3-Trichloropropane  
Concen: 55.860 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 44371  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.157 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY021351.D  
Acq: 27 Feb 2025 12:28

Tgt Ion: 75 Resp: 44371  
Ion Ratio Lower Upper  
75 100  
53 0.1 79.1 118.7#  
89 0.0 35.6 53.4#

