

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022125\  
 Data File : VY021296.D  
 Acq On : 21 Feb 2025 19:18  
 Operator : SY/MD  
 Sample : Q1388-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-12016RE

Quant Time: Feb 21 23:11:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

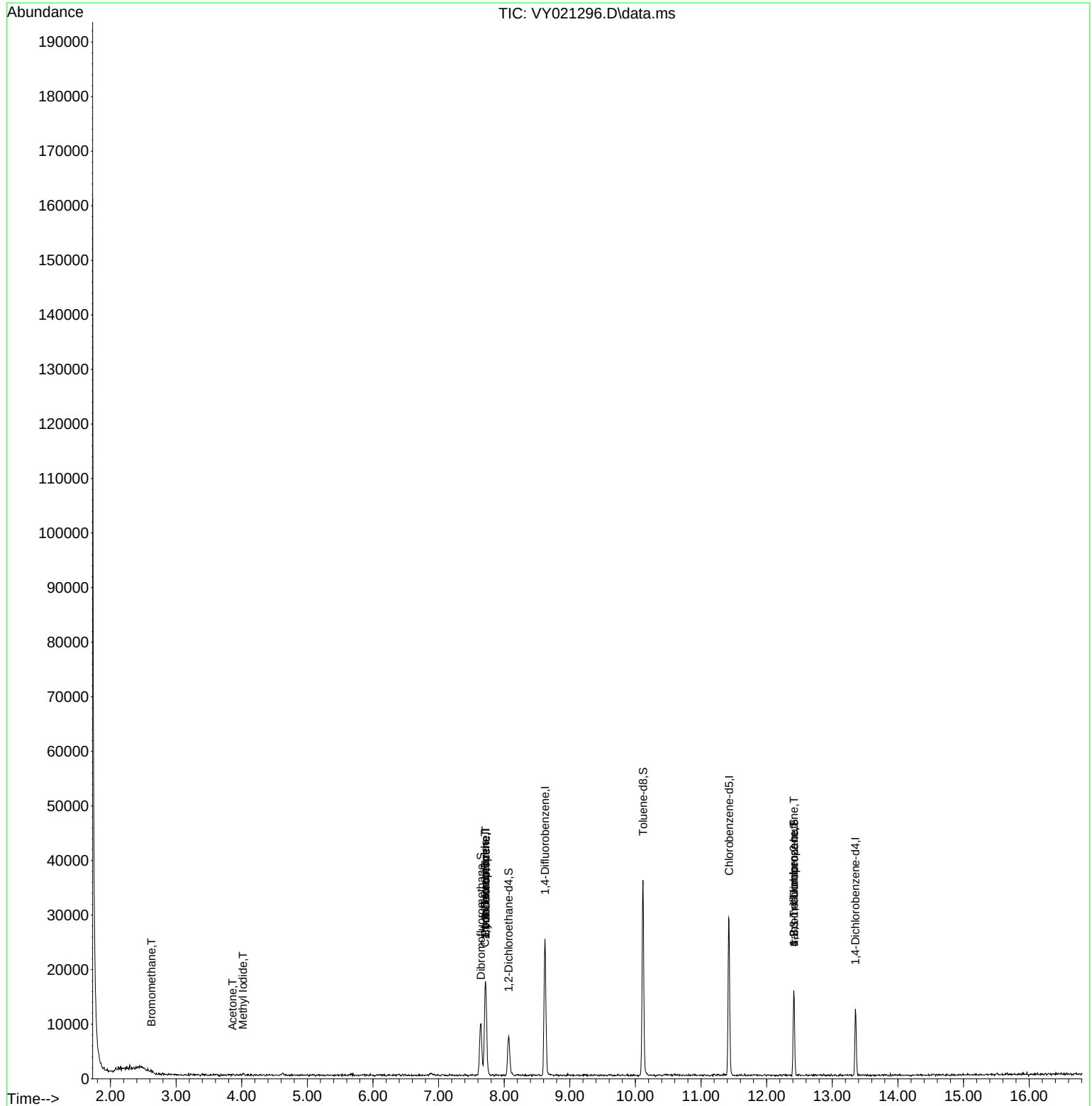
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 13700    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.622  | 114   | 21314    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.426 | 117   | 15483    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 3224     | 50.000   | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 6404     | 45.623   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 91.240%  |
| 35) Dibromofluoromethane      | 7.646  | 113   | 7307     | 53.494   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 106.980% |
| 50) Toluene-d8                | 10.115 | 98    | 23678    | 45.533   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 91.060%  |
| 62) 4-Bromofluorobenzene      | 12.414 | 95    | 4495     | 26.458   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 52.920%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 2.623  | 94    | 121      | 1.614    | ug/l # | 55       |
| 10) Methyl Iodide             | 4.019  | 142   | 204      | 1.324    | ug/l # | 66       |
| 16) Acetone                   | 3.860  | 43    | 104      | 4.751    | ug/l # | 41       |
| 31) Cyclohexane               | 7.713  | 56    | 411      | 1.717    | ug/l # | 61       |
| 36) 1,1-Dichloropropene       | 7.720  | 75    | 1289     | 6.371    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 1442     | 6.100    | ug/l # | 19       |
| 76) 1,2,3-Trichloropropane    | 12.414 | 75    | 2493     | 85.243   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.414 | 75    | 2493     | 173.937  | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

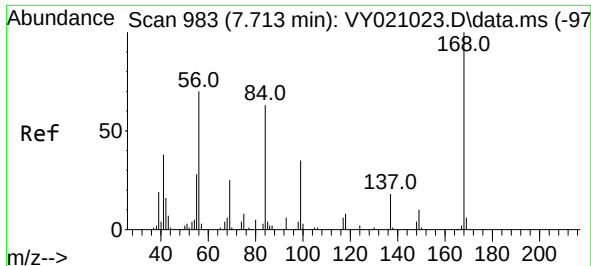
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1388-01  
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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

Quant Time: Feb 21 23:11:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

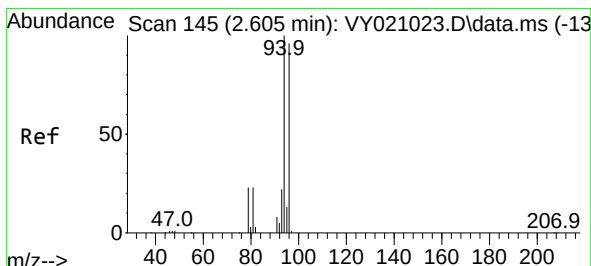
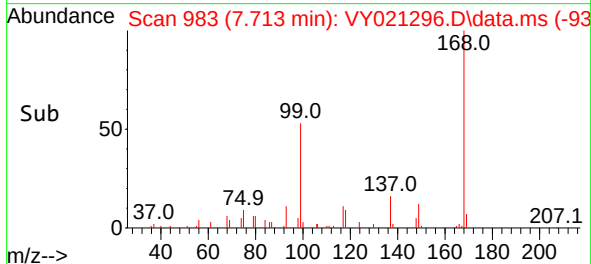
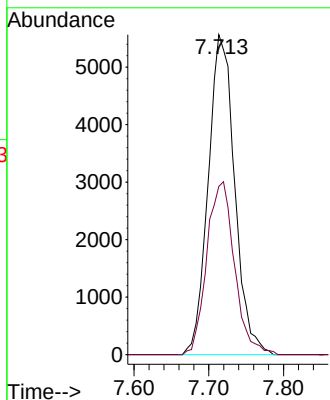
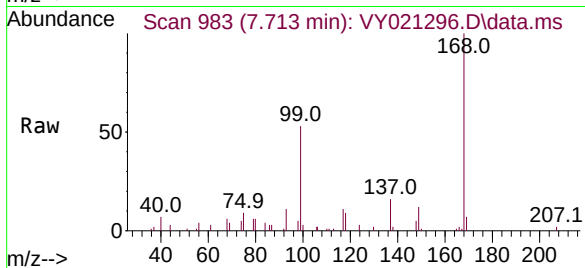




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

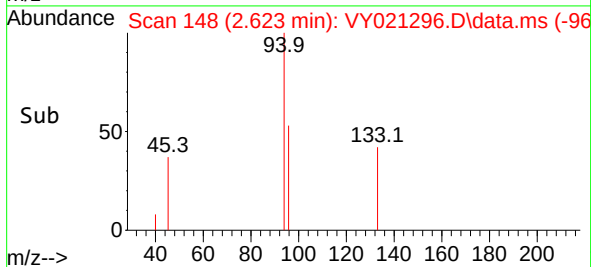
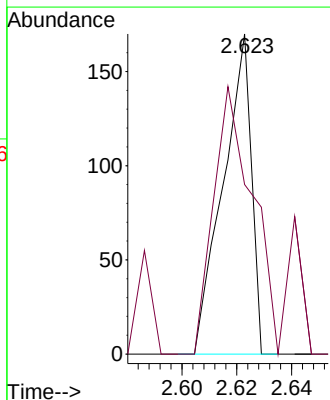
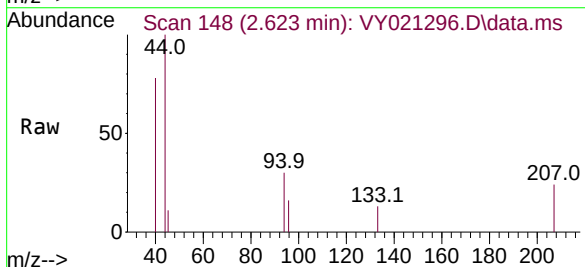
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

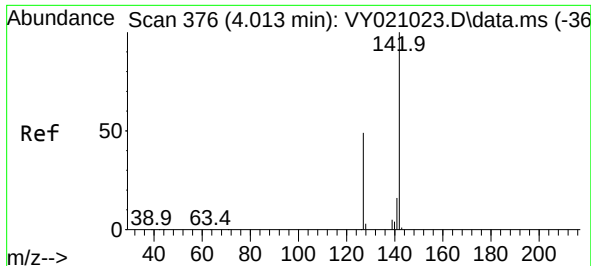
Tgt Ion:168 Resp: 13700  
Ion Ratio Lower Upper  
168 100  
99 52.6 44.2 66.4



#5  
Bromomethane  
Concen: 1.614 ug/l  
RT: 2.623 min Scan# 148  
Delta R.T. 0.018 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Tgt Ion: 94 Resp: 121  
Ion Ratio Lower Upper  
94 100  
96 52.9 77.3 115.9#

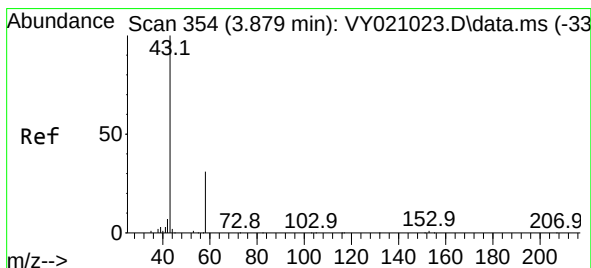
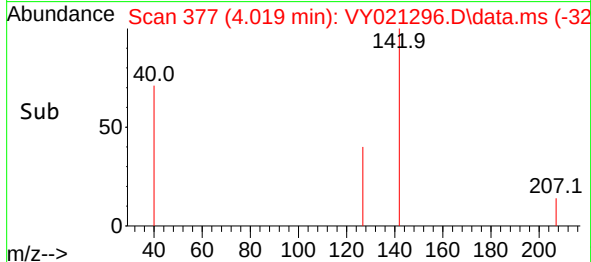
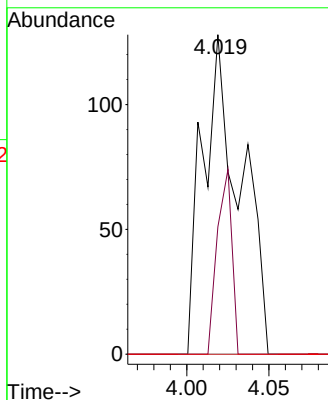
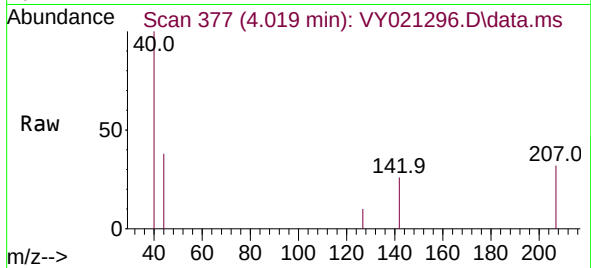




#10  
Methyl Iodide  
Concen: 1.324 ug/l  
RT: 4.019 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

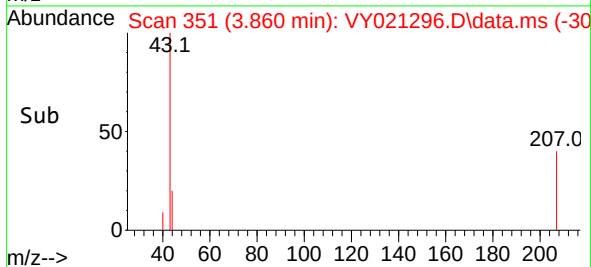
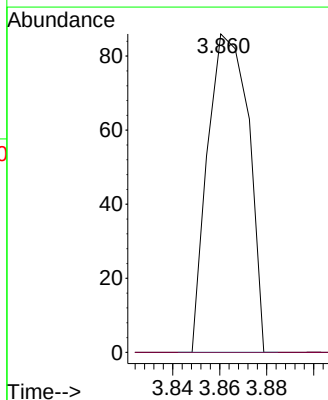
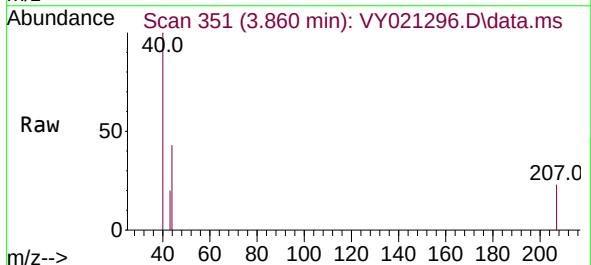
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

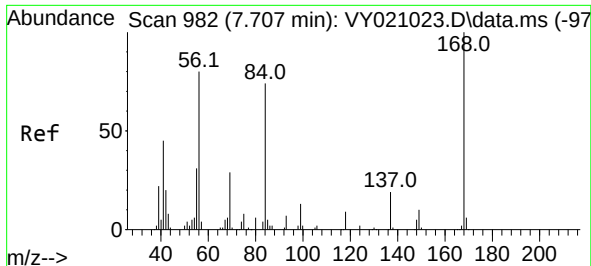
Tgt Ion:142 Resp: 204  
Ion Ratio Lower Upper  
142 100  
127 22.5 35.1 52.7#  
141 0.0 11.8 17.6#



#16  
Acetone  
Concen: 4.751 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. -0.018 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Tgt Ion: 43 Resp: 104  
Ion Ratio Lower Upper  
43 100  
58 0.0 26.6 39.8#

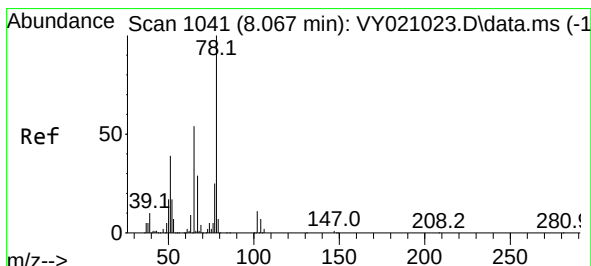
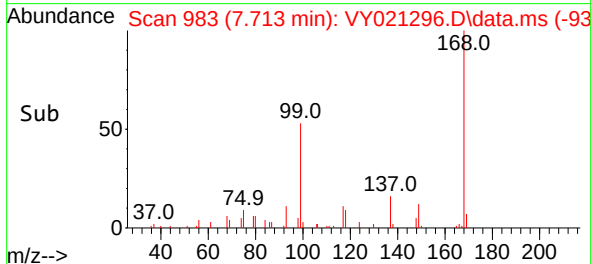
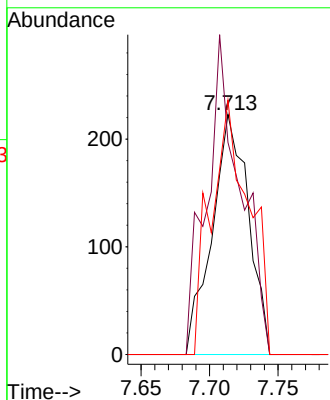
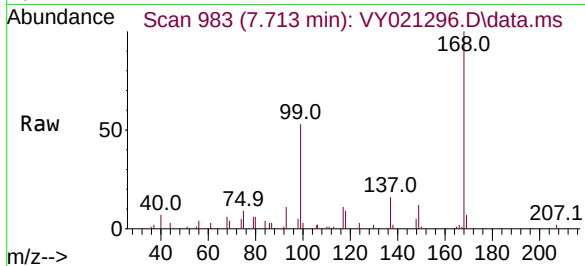




#31  
Cyclohexane  
Concen: 1.717 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

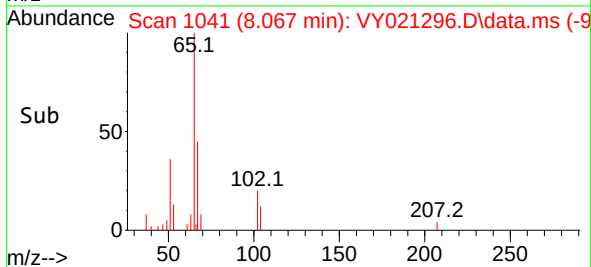
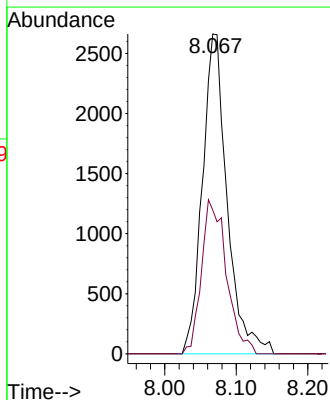
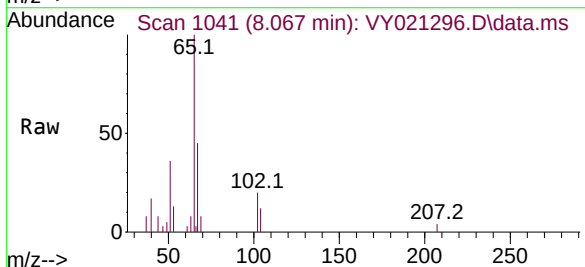
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

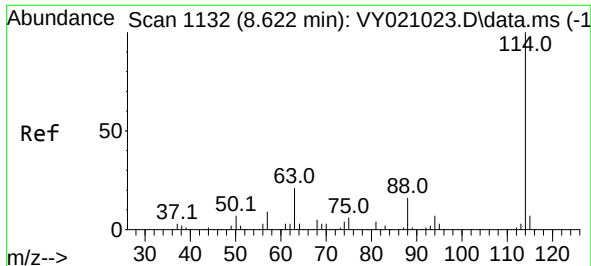
Tgt Ion: 56 Resp: 411  
Ion Ratio Lower Upper  
56 100  
69 88.3 27.0 40.6#  
84 105.8 71.8 107.6



#33  
1,2-Dichloroethane-d4  
Concen: 45.623 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Tgt Ion: 65 Resp: 6404  
Ion Ratio Lower Upper  
65 100  
67 48.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

72-12016RE

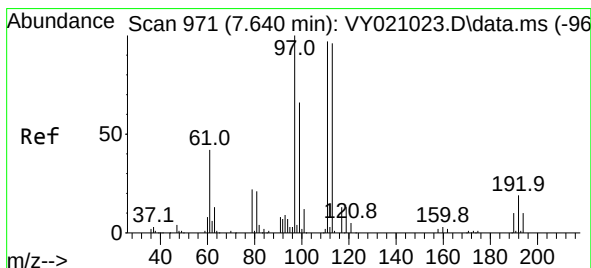
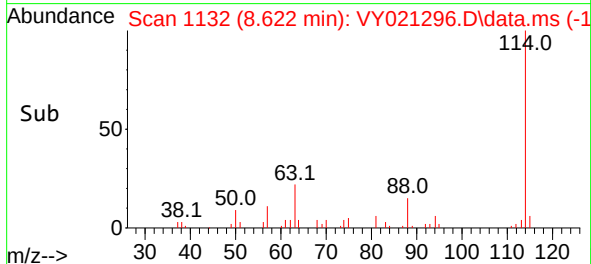
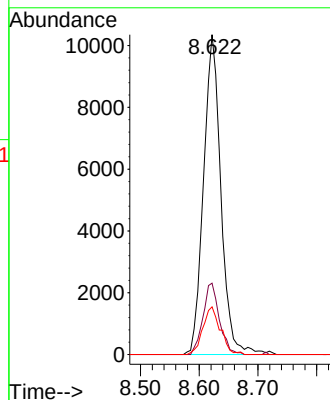
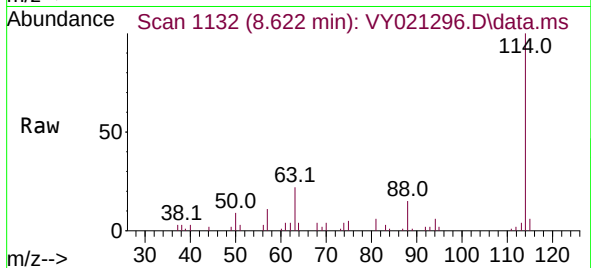
Tgt Ion:114 Resp: 21314

Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.494 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

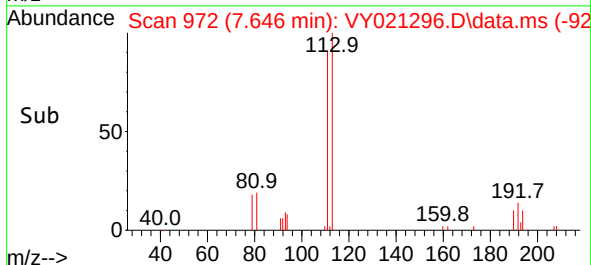
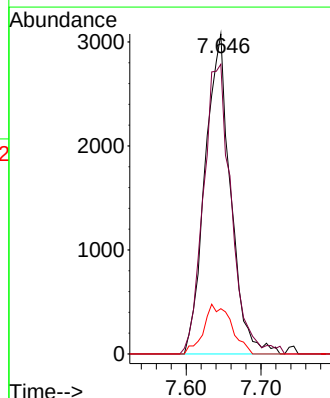
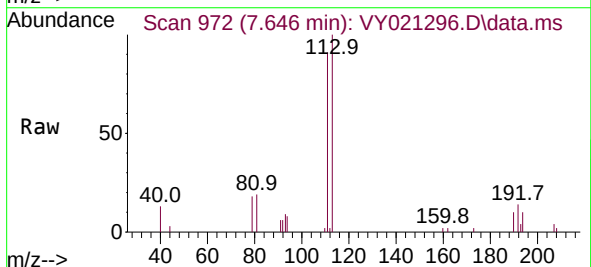
Tgt Ion:113 Resp: 7307

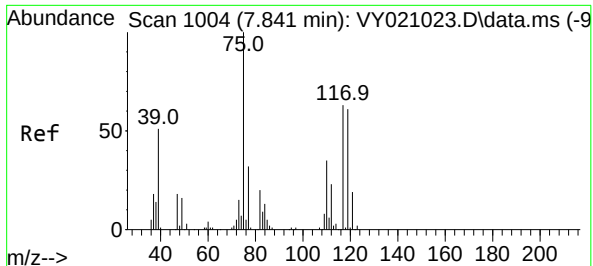
Ion Ratio Lower Upper

113 100

111 98.7 83.8 125.6

192 16.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 6.371 ug/l

RT: 7.720 min Scan# 984

Delta R.T. -0.122 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

72-12016RE

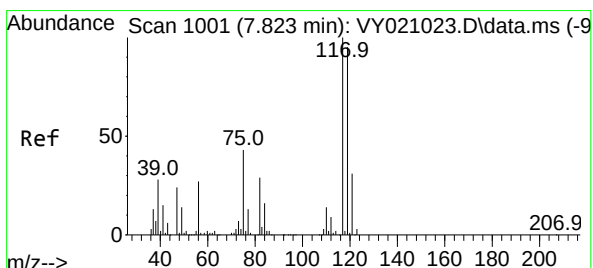
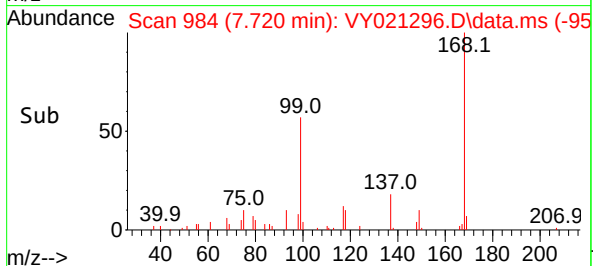
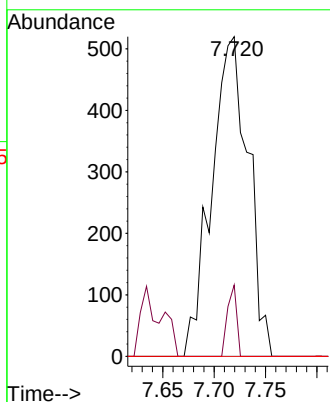
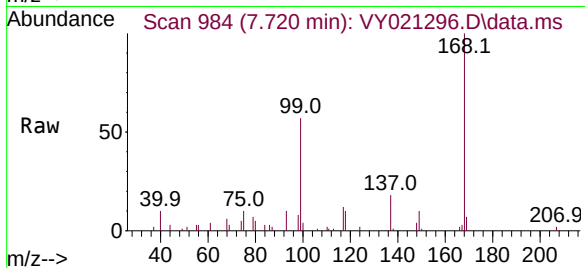
Tgt Ion: 75 Resp: 1289

Ion Ratio Lower Upper

75 100

110 5.6 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

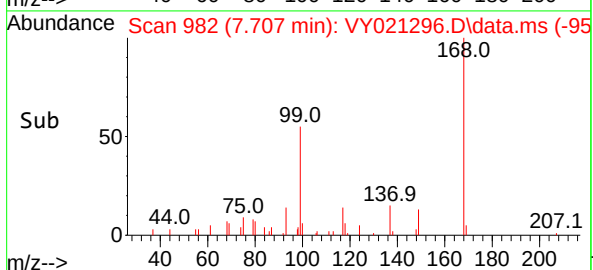
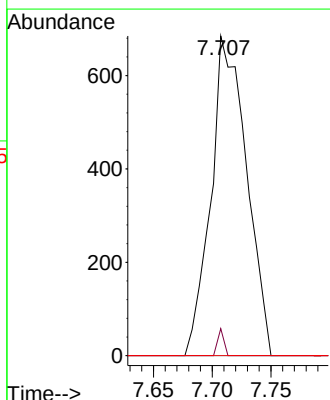
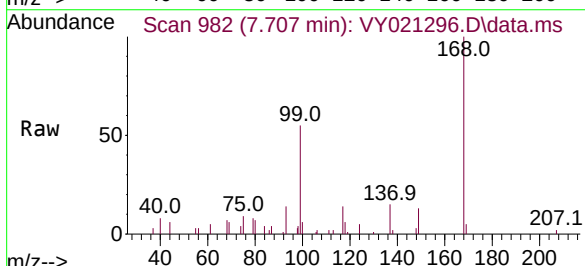
Tgt Ion: 117 Resp: 1442

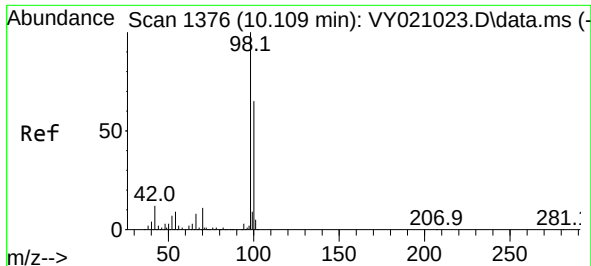
Ion Ratio Lower Upper

117 100

119 8.5 76.0 114.0#

121 0.0 24.2 36.2#

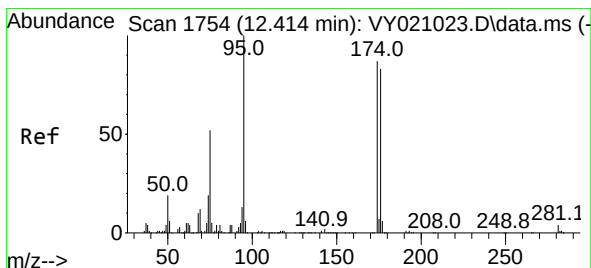
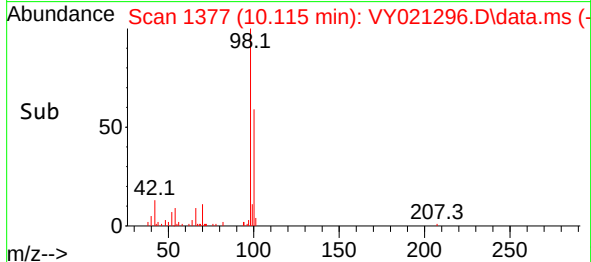
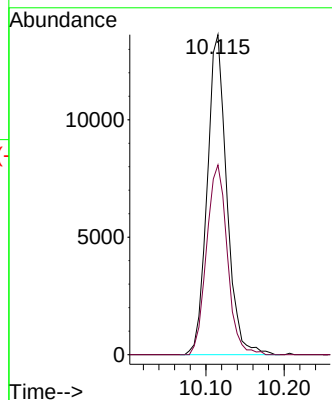
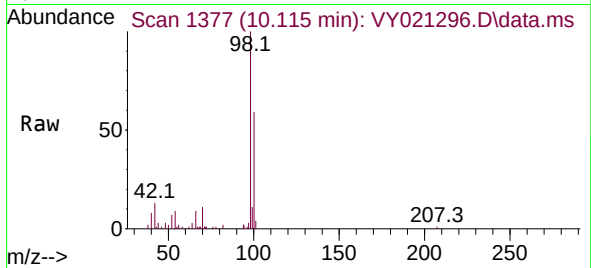




#50  
Toluene-d8  
Concen: 45.533 ug/l  
RT: 10.115 min Scan# 1377  
Delta R.T. 0.006 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

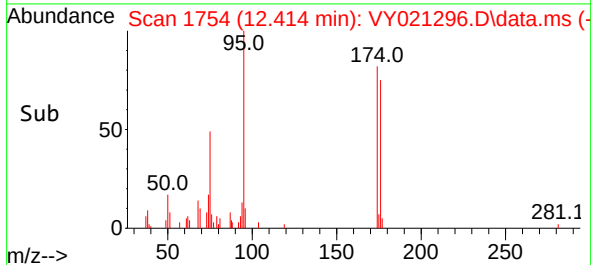
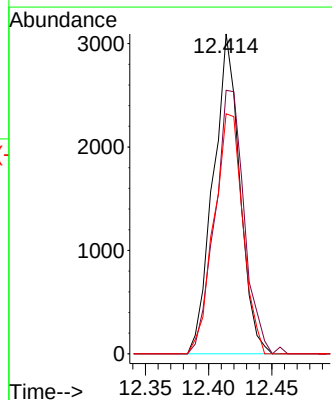
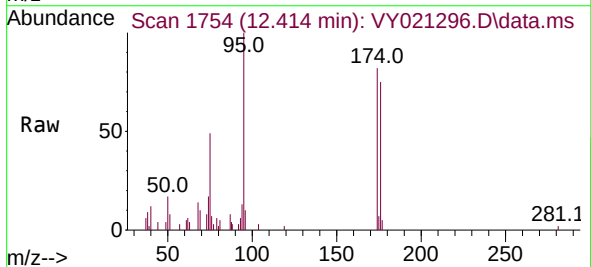
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

Tgt Ion: 98 Resp: 23678  
Ion Ratio Lower Upper  
98 100  
100 62.7 52.3 78.5

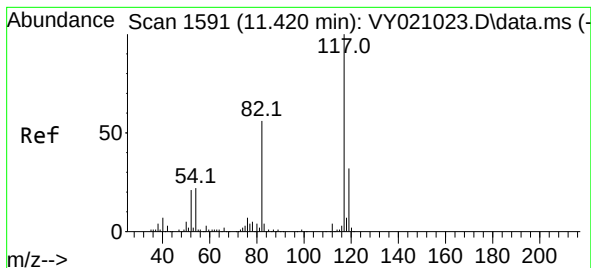


#62  
4-Bromofluorobenzene  
Concen: 26.458 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Tgt Ion: 95 Resp: 4495  
Ion Ratio Lower Upper  
95 100  
174 91.3 0.0 160.0  
176 81.8 0.0 151.8







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

Instrument :

MSVOA\_Y

ClientSampleId :

72-12016RE

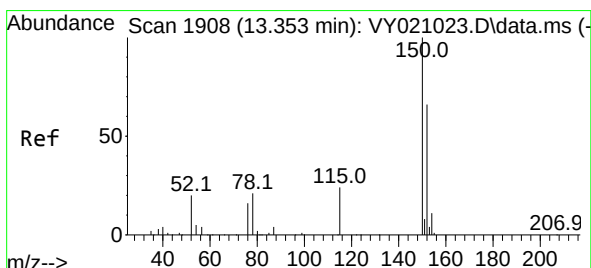
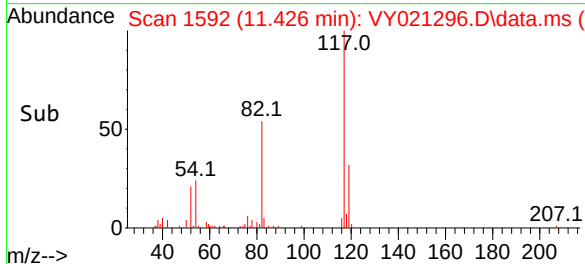
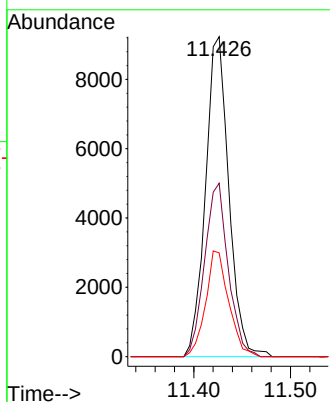
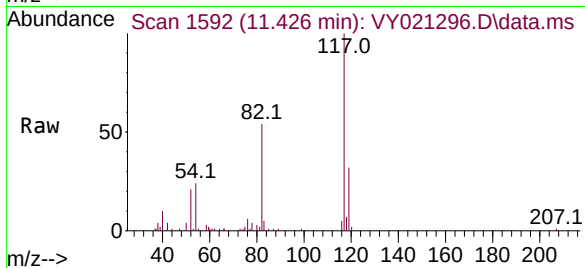
Tgt Ion:117 Resp: 15483

Ion Ratio Lower Upper

117 100

82 54.2 43.8 65.8

119 32.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021296.D

Acq: 21 Feb 2025 19:18

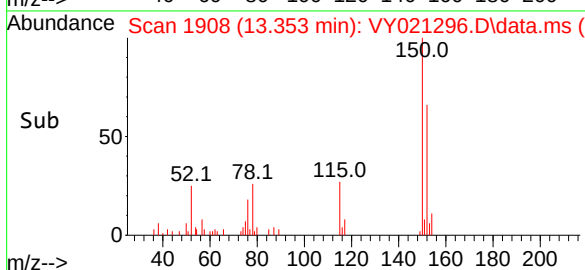
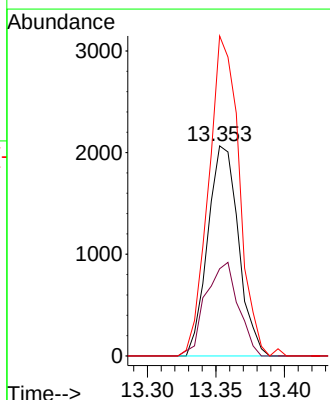
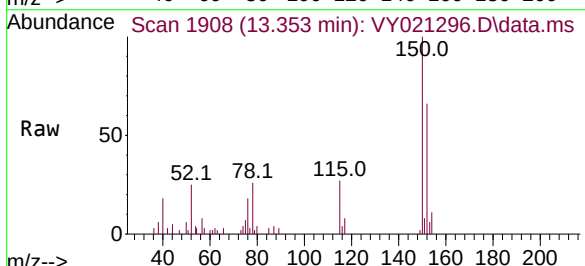
Tgt Ion:152 Resp: 3224

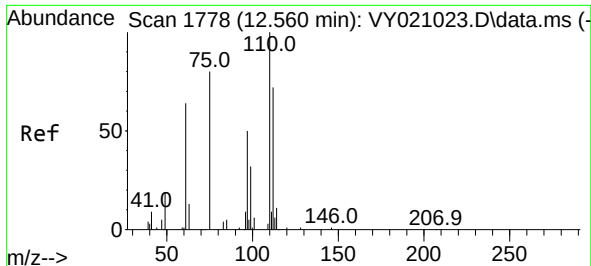
Ion Ratio Lower Upper

152 100

115 47.2 30.0 90.0

150 152.0 0.0 344.6

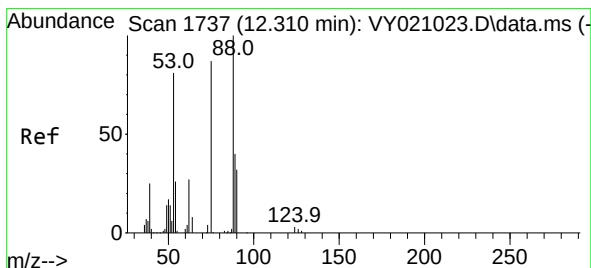
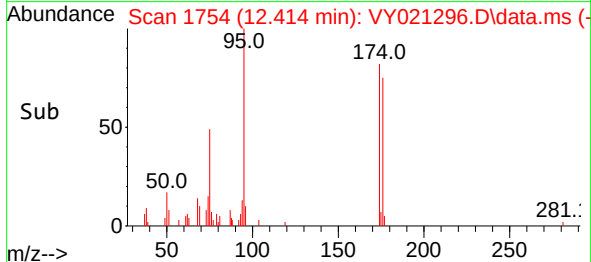
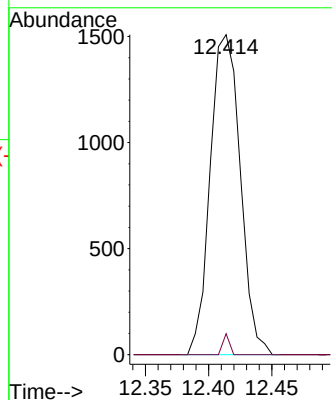
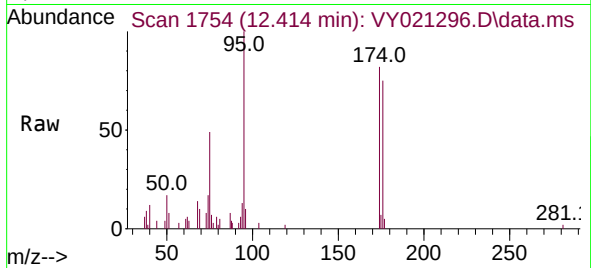




#76  
1,2,3-Trichloropropane  
Concen: 85.243 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.146 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-12016RE

Tgt Ion: 75 Resp: 2493  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 173.937 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. 0.104 min  
Lab File: VY021296.D  
Acq: 21 Feb 2025 19:18

Tgt Ion: 75 Resp: 2493  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

