

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021085.D  
 Acq On : 05 Feb 2025 13:51  
 Operator : SY/MD  
 Sample : Q1280-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 06 00:35:04 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

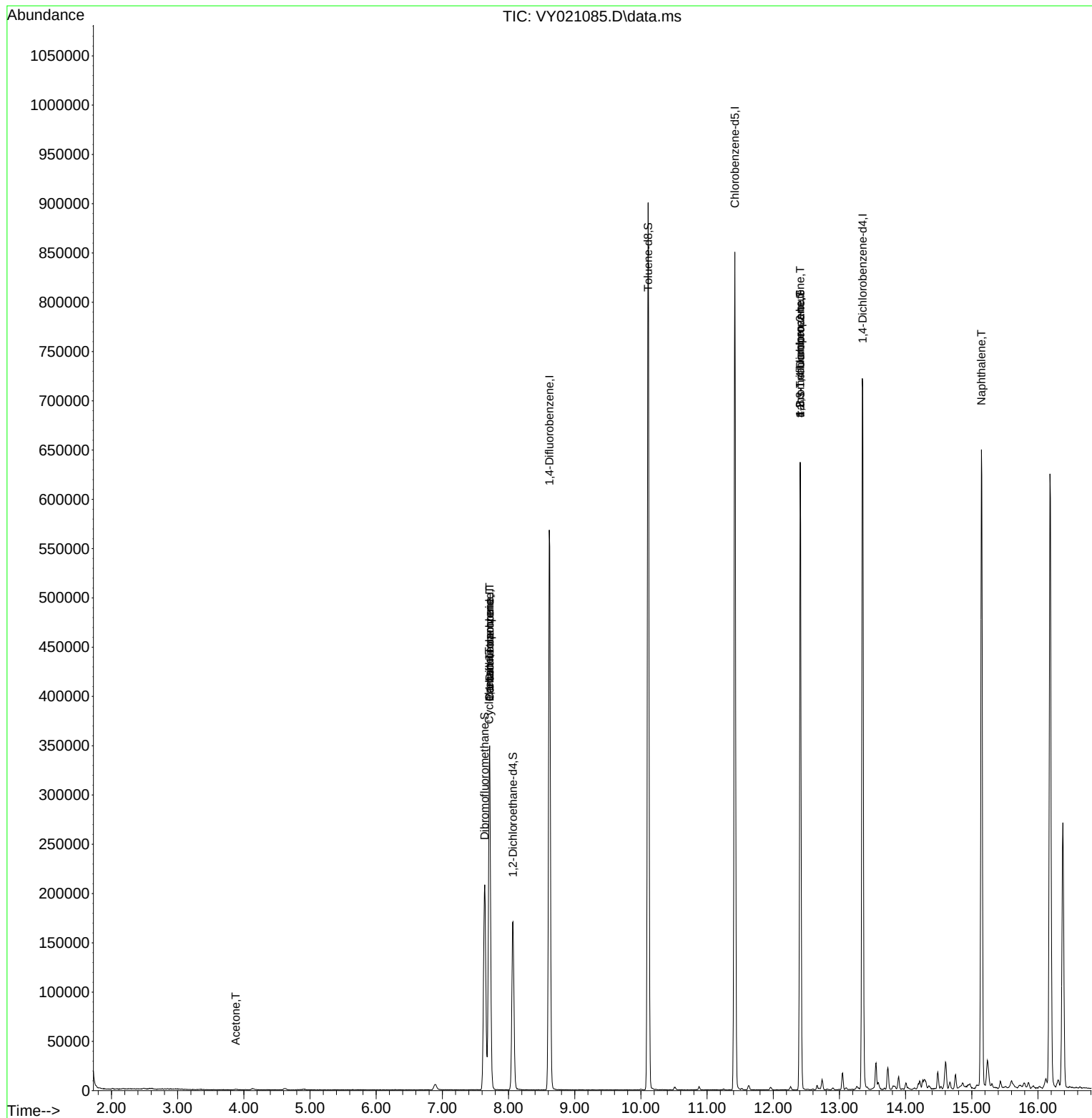
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 263874   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 474323   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 433404   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353 | 152   | 184472   | 50.000   | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 138434   | 51.204   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 102.400% |
| 35) Dibromofluoromethane      | 7.640  | 113   | 149060   | 49.036   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 98.080%  |
| 50) Toluene-d8                | 10.109 | 98    | 563434   | 48.687   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 97.380%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 188963   | 49.981   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 99.960%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.879  | 43    | 1059     | 2.512    | ug/l # | 86       |
| 31) Cyclohexane               | 7.707  | 56    | 5344     | 1.159    | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 20623    | 4.580    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 26847    | 5.103    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 100805   | 60.240   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 100805   | 122.919  | ug/l # | 12       |
| 95) Naphthalene               | 15.145 | 128   | 508655   | 102.494  | ug/l   | 99       |
| -----                         |        |       |          |          |        |          |

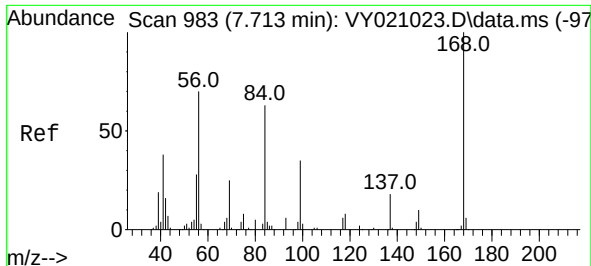
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

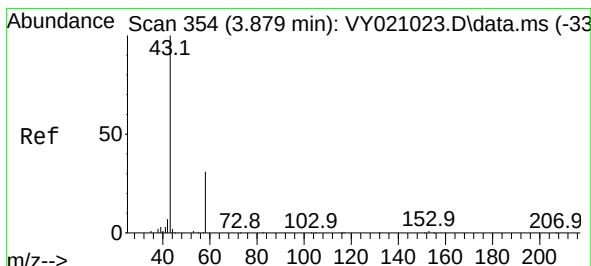
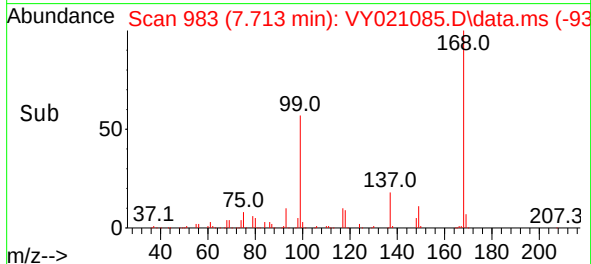
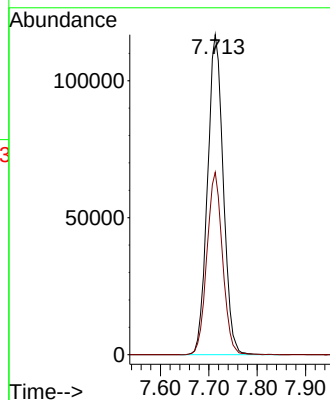
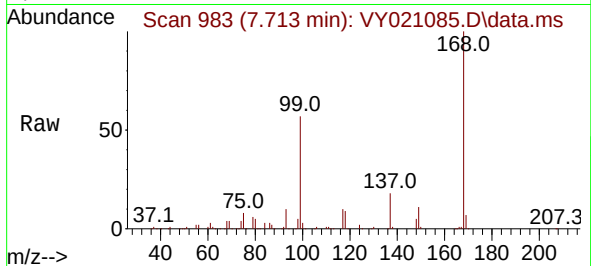




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

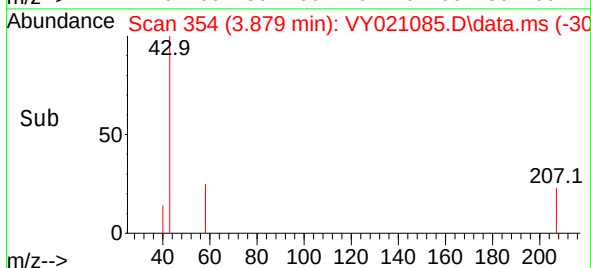
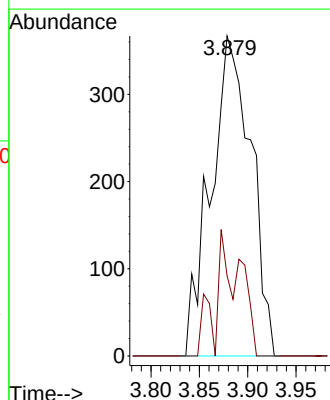
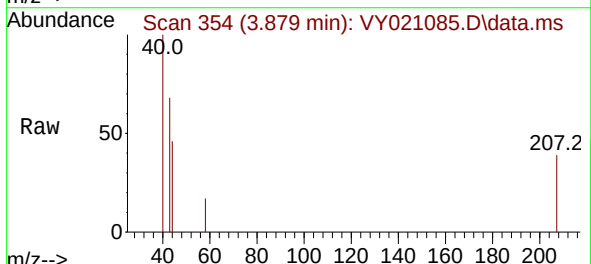
Instrument :  
MSVOA\_Y  
ClientSampleId :

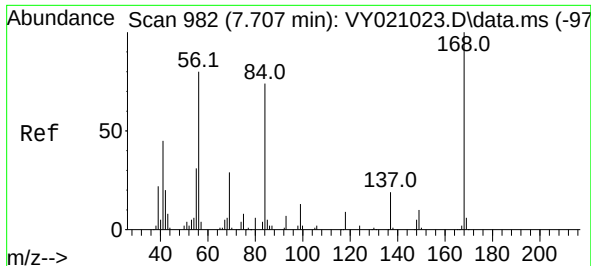
Tgt Ion:168 Resp: 263874  
Ion Ratio Lower Upper  
168 100  
99 57.0 44.2 66.4



#16  
Acetone  
Concen: 2.512 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. -0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

Tgt Ion: 43 Resp: 1059  
Ion Ratio Lower Upper  
43 100  
58 25.1 26.6 39.8#

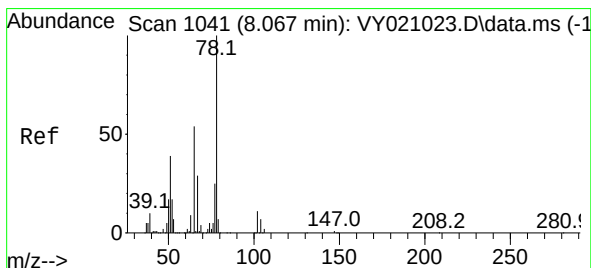
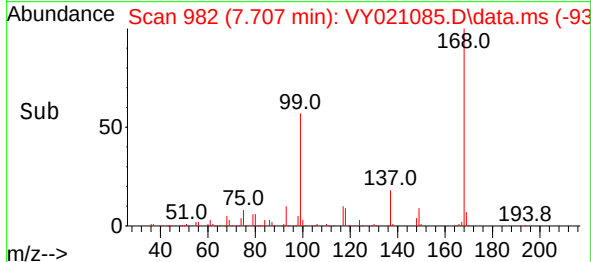
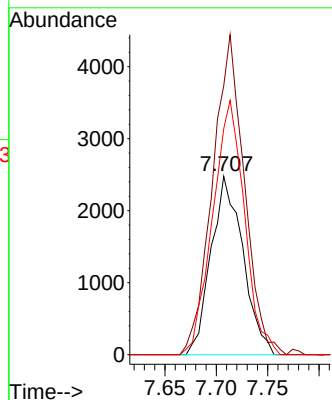
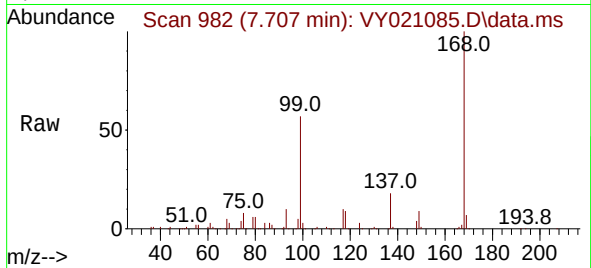




#31  
Cyclohexane  
Concen: 1.159 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

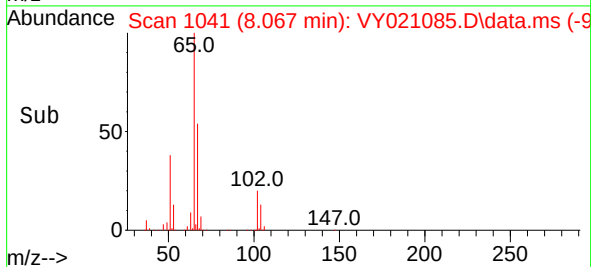
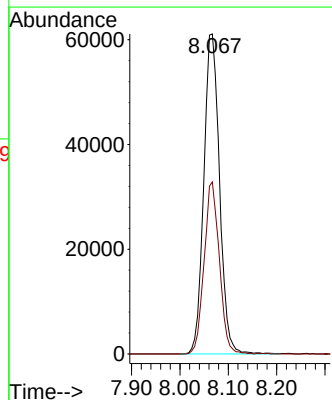
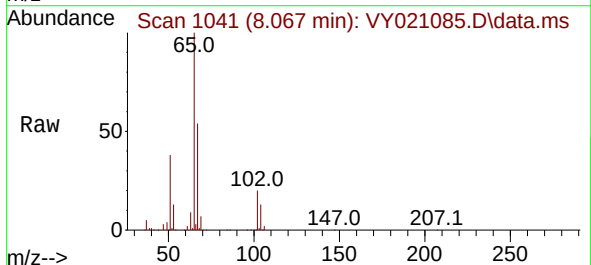
Instrument :  
MSVOA\_Y  
ClientSampleId :

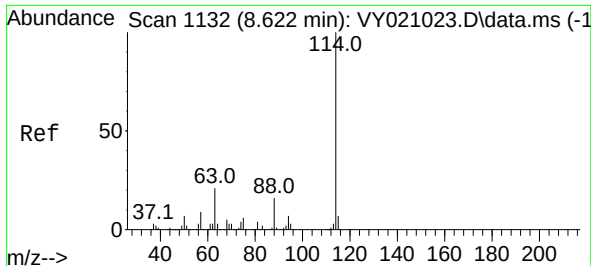
Tgt Ion: 56 Resp: 5344  
Ion Ratio Lower Upper  
56 100  
69 150.7 27.0 40.6#  
84 126.7 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 51.204 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY021085.D  
Acq: 05 Feb 2025 13:51

Tgt Ion: 65 Resp: 138434  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

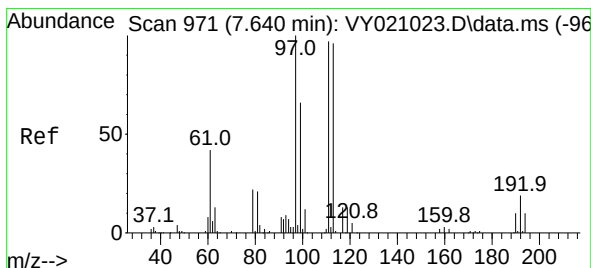
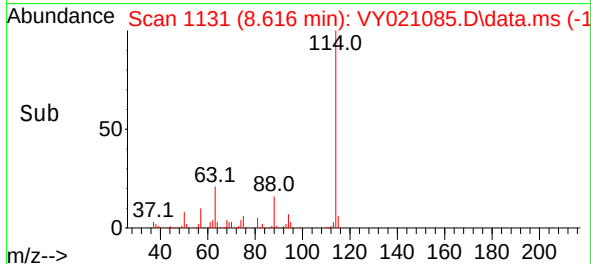
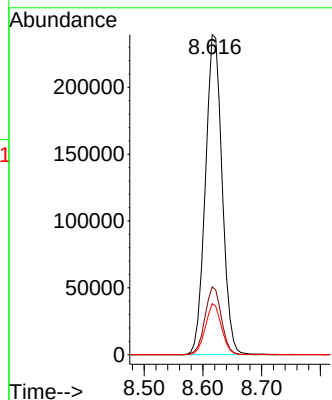
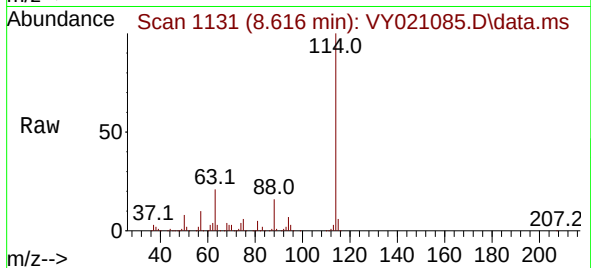
Tgt Ion:114 Resp: 474323

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 16.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.036 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

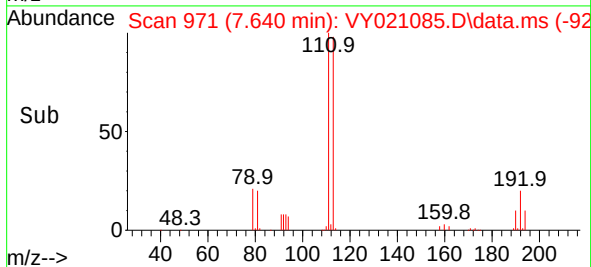
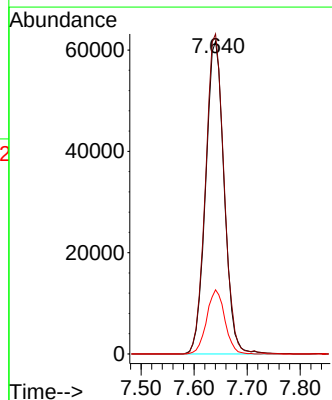
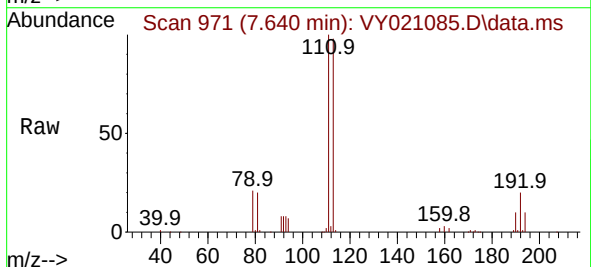
Tgt Ion:113 Resp: 149060

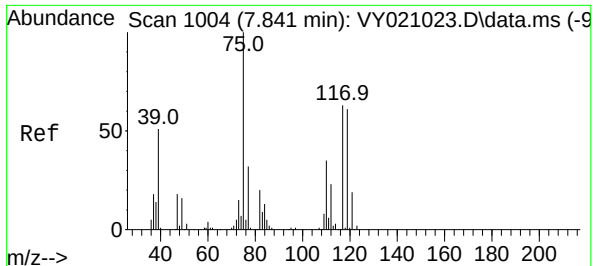
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 20.2 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

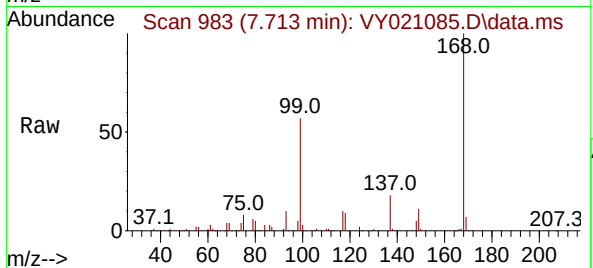
Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

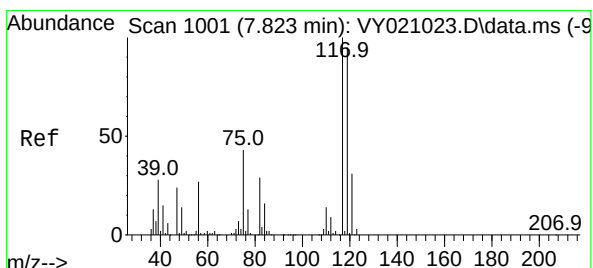
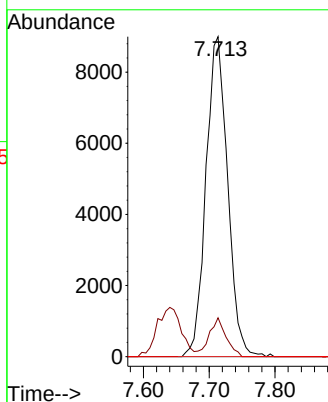
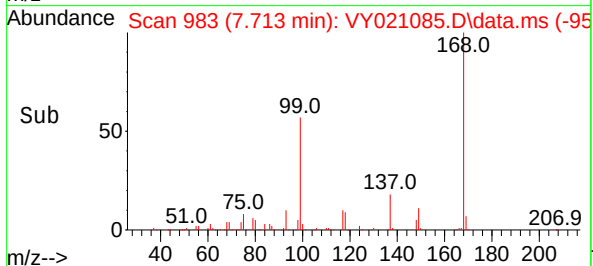
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20623 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.6   | 17.4  | 52.3# |
| 77       | 0.0   | 24.7  | 37.1# |



#38

Carbon Tetrachloride

Concen: 5.103 ug/l

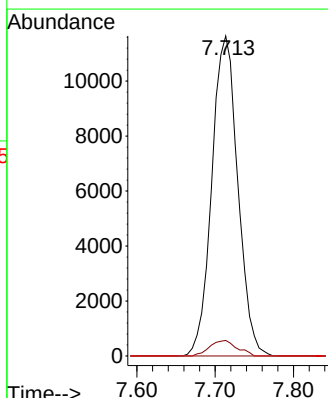
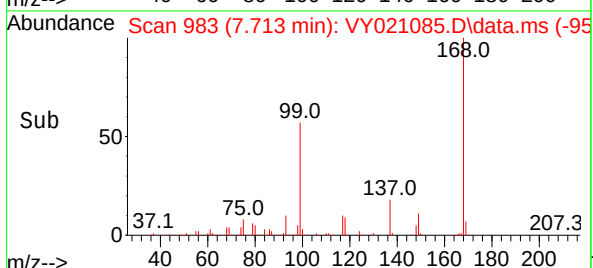
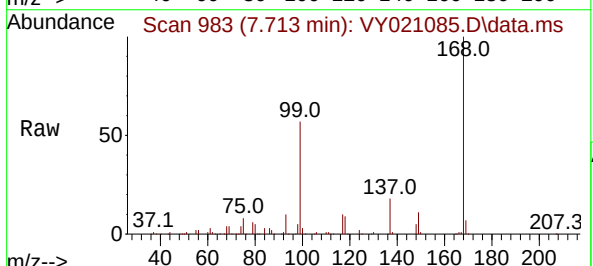
RT: 7.713 min Scan# 983

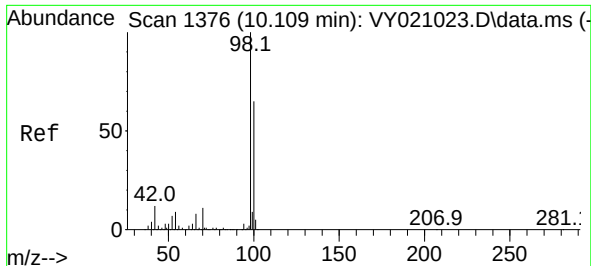
Delta R.T. -0.110 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 26847  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.9   | 76.0  | 114.0# |
| 121      | 0.0   | 24.2  | 36.2#  |





#50

Toluene-d8

Concen: 48.687 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

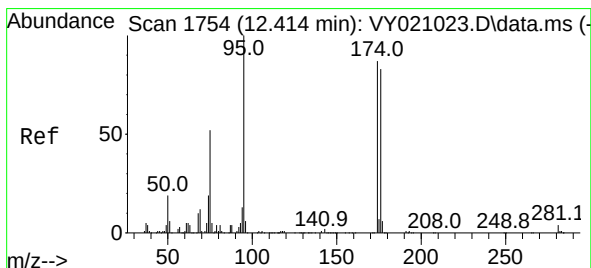
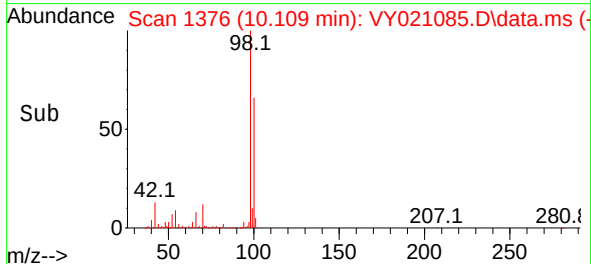
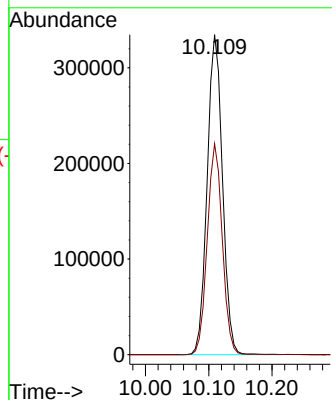
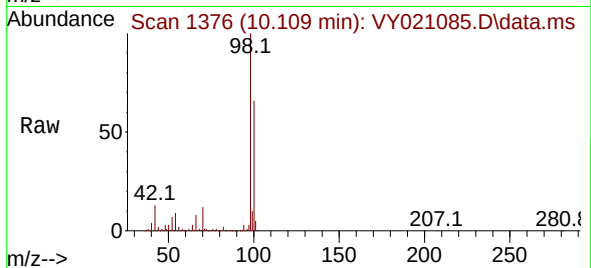
ClientSampleId :

Tgt Ion: 98 Resp: 563434

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 49.981 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

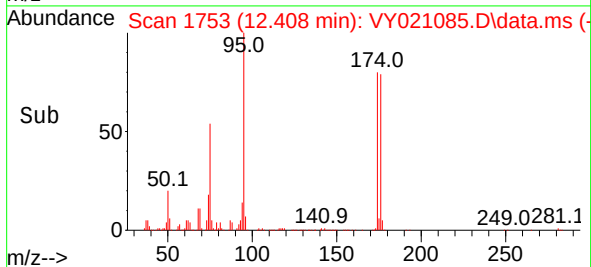
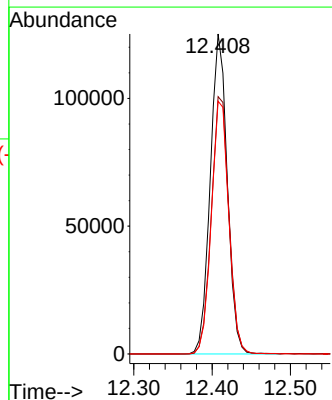
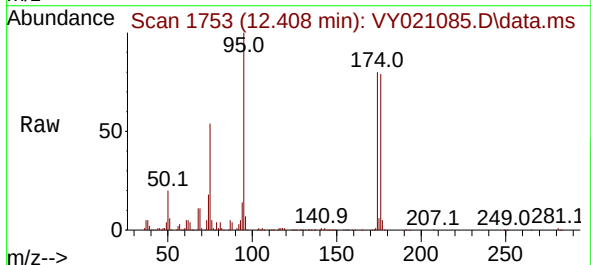
Tgt Ion: 95 Resp: 188963

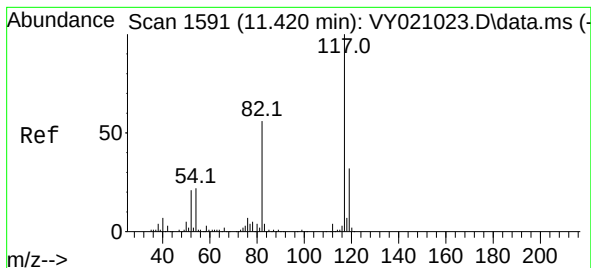
Ion Ratio Lower Upper

95 100

174 83.0 0.0 160.0

176 81.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

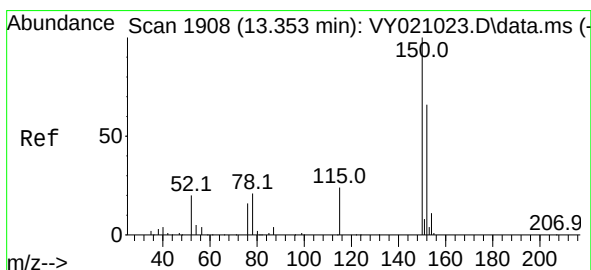
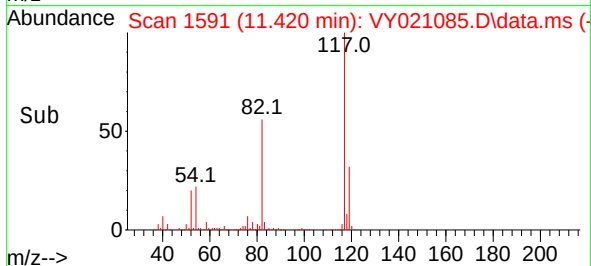
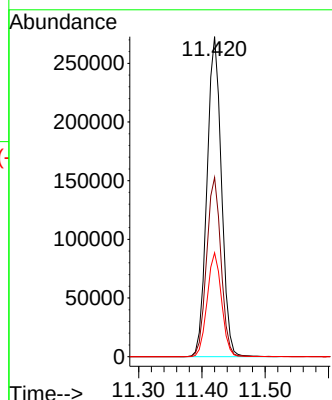
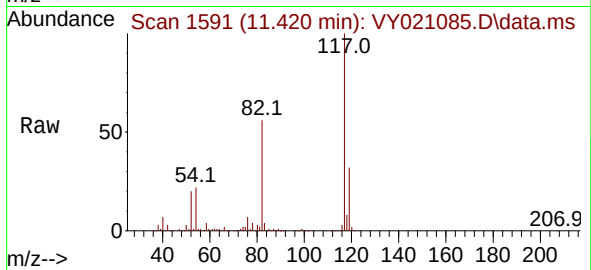
Tgt Ion:117 Resp: 433404

Ion Ratio Lower Upper

117 100

82 56.0 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: VY021085.D

Acq: 05 Feb 2025 13:51

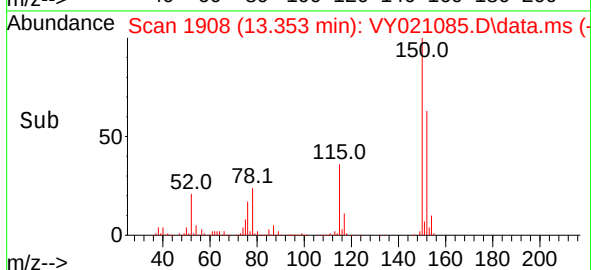
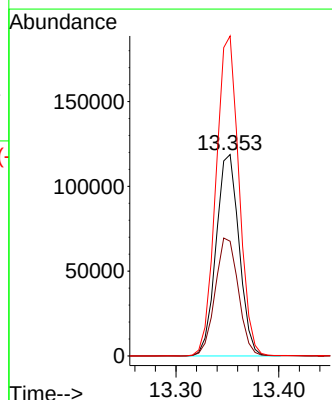
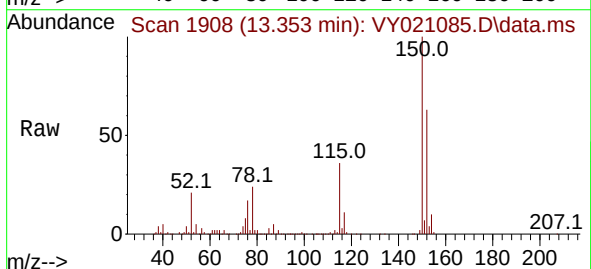
Tgt Ion:152 Resp: 184472

Ion Ratio Lower Upper

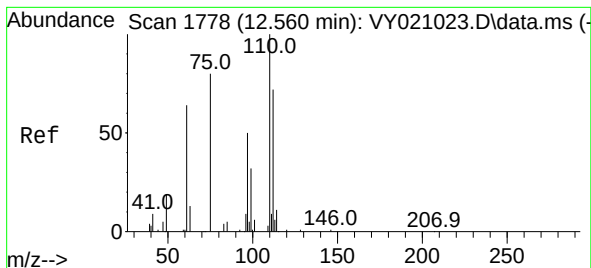
152 100

115 59.1 30.0 90.0

150 158.6 0.0 344.6







#76

1,2,3-Trichloropropane

Concen: 60.240 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.153 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

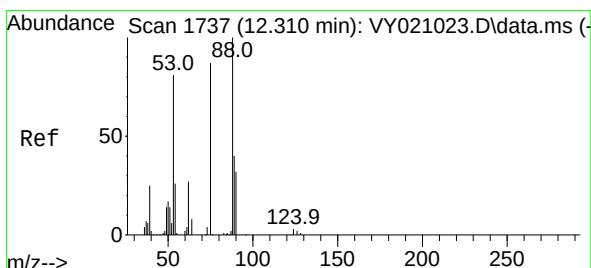
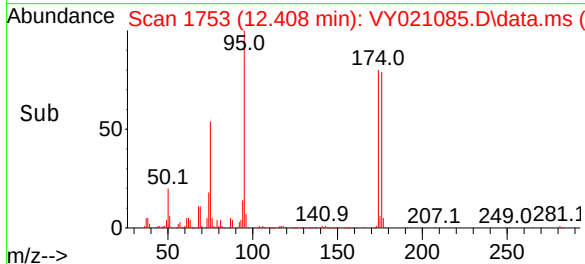
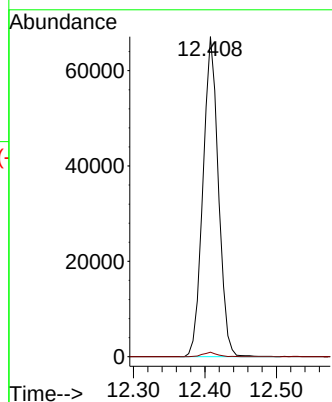
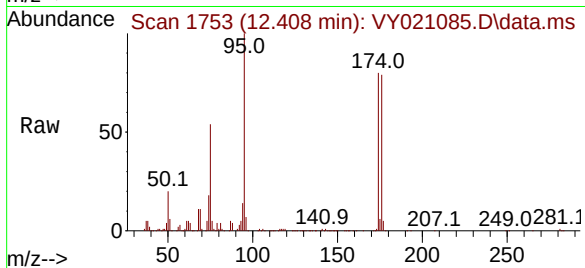
ClientSampleId :

Tgt Ion: 75 Resp: 100805

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.919 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.097 min

Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

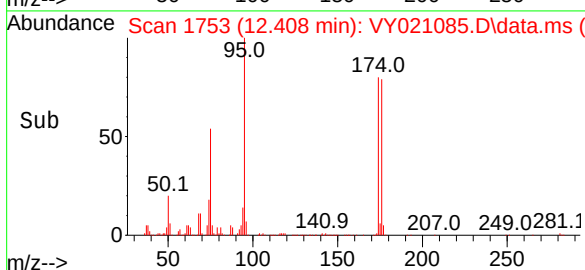
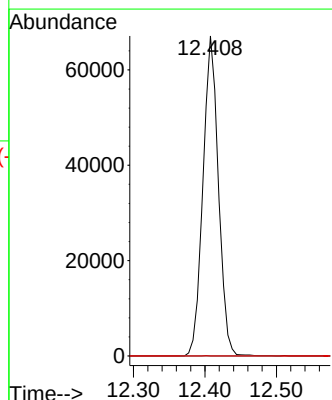
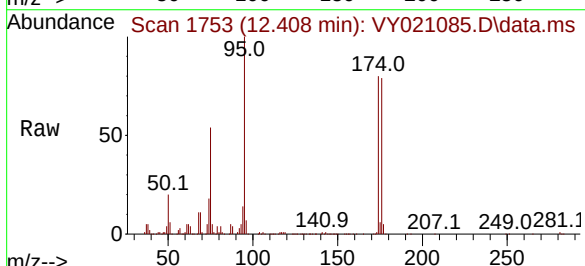
Tgt Ion: 75 Resp: 100805

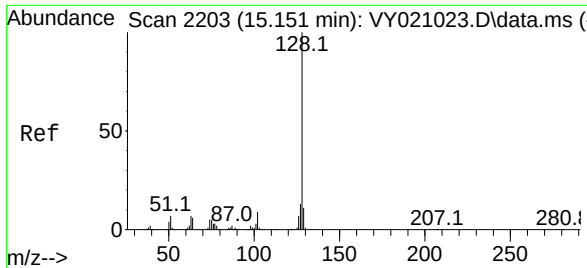
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#95

Naphthalene

Concen: 102.494 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

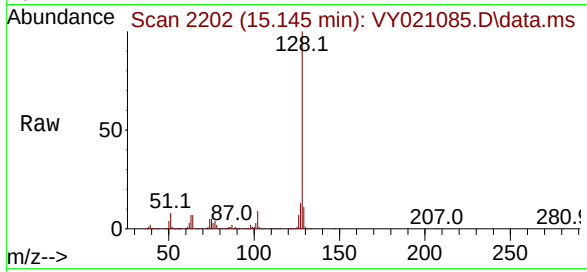
Lab File: VY021085.D

Acq: 05 Feb 2025 13:51

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:128 Resp: 508655

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.1 8.6 12.8

