

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121025\  
 Data File : VY023936.D  
 Acq On : 10 Dec 2025 13:36  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Dec 11 04:02:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 03:57:51 2025  
 Response via : Initial Calibration

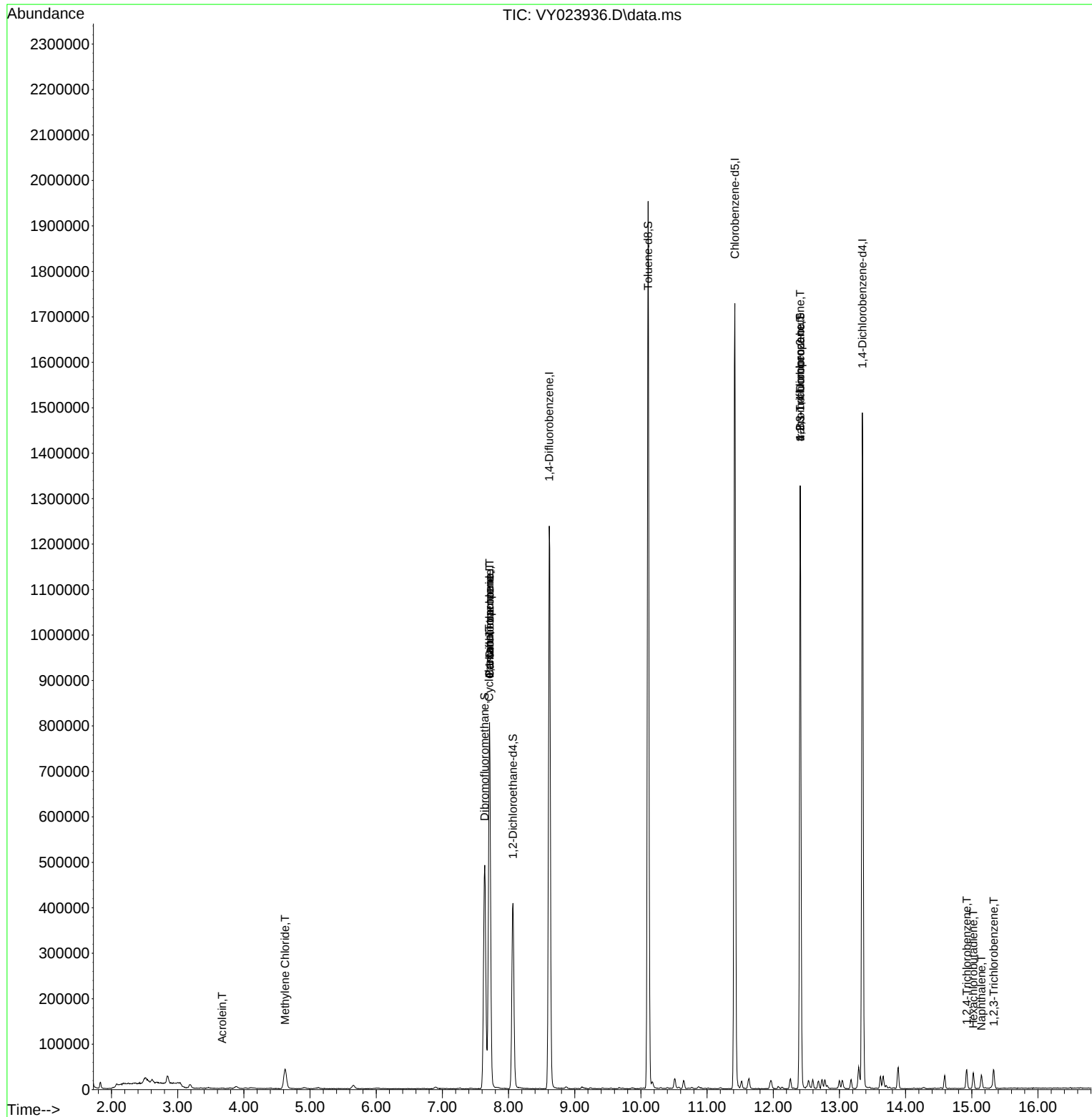
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 664333   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615  | 114   | 1110415  | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 951105   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 400296   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 326977   | 55.668    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.340% |
| 35) Dibromofluoromethane      | 7.640  | 113   | 352018   | 48.497    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 97.000%  |
| 50) Toluene-d8                | 10.109 | 98    | 1266349  | 46.859    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 93.720%  |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 380336   | 42.142    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 84.280%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 13) Acrolein                  | 3.671  | 56    | 729      | 1.340     | ug/l   | 87       |
| 16) Acetone                   | 3.890  | 43    | 8627     | Below Cal |        | 94       |
| 20) Methylene Chloride        | 4.622  | 84    | 33627    | 4.866     | ug/l   | 98       |
| 31) Cyclohexane               | 7.707  | 56    | 11887    | 1.180     | ug/l # | 18       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 42340    | 4.285     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 60863    | 5.081     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 184007   | 54.342    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 184007   | 123.696   | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180   | 13068    | 1.821     | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.023 | 225   | 6247     | 1.328     | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128   | 25920    | 2.335     | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180   | 13845    | 2.267     | ug/l   | 98       |
| -----                         |        |       |          |           |        |          |

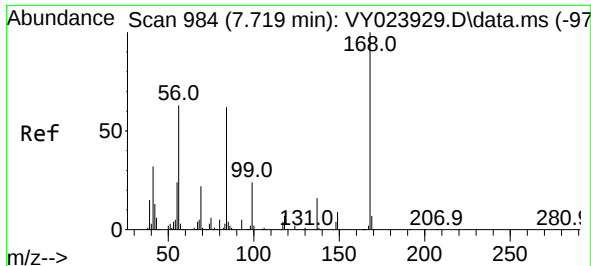
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121025\  
Data File : VY023936.D  
Acq On : 10 Dec 2025 13:36  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Time: Dec 11 04:02:39 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121025S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 11 03:57:51 2025  
Response via : Initial Calibration

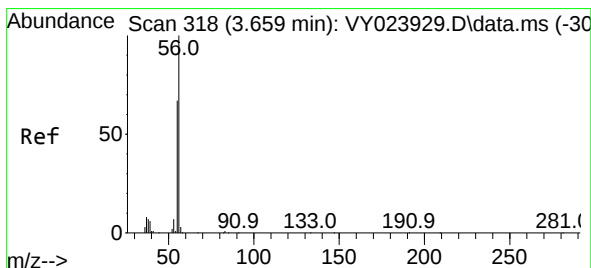
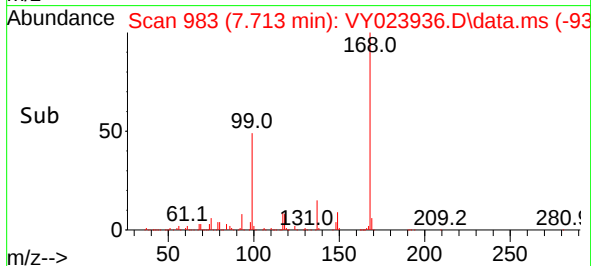
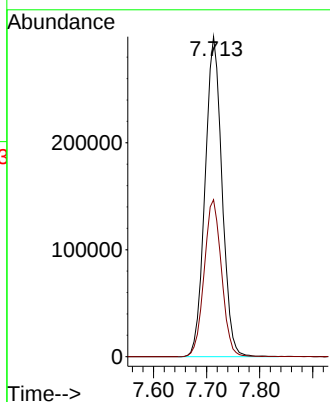
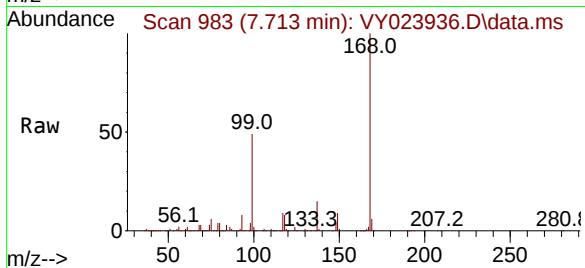




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

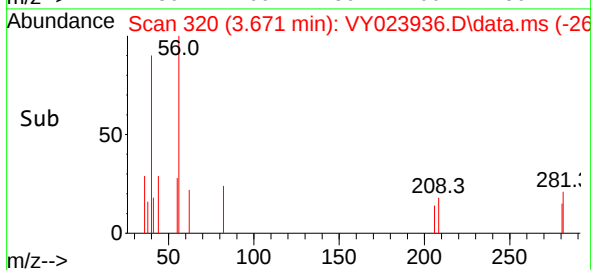
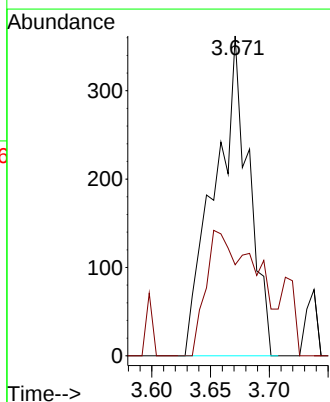
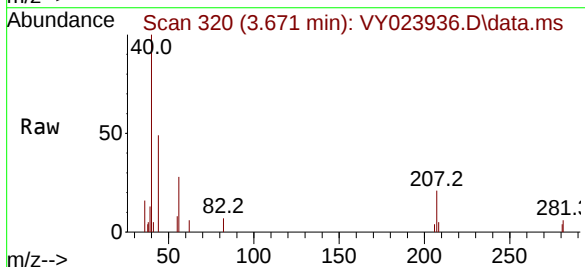
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

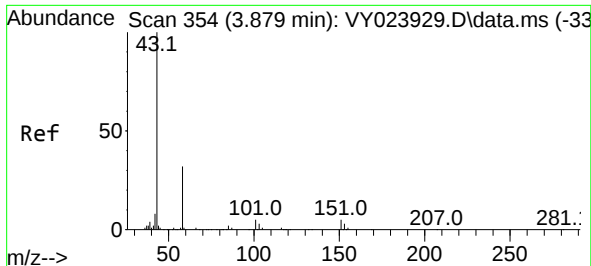
Tgt Ion:168 Resp: 664333  
Ion Ratio Lower Upper  
168 100  
99 49.0 38.9 58.3



#13  
Acrolein  
Concen: 1.340 ug/l  
RT: 3.671 min Scan# 320  
Delta R.T. 0.012 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion: 56 Resp: 729  
Ion Ratio Lower Upper  
56 100  
55 58.7 55.7 83.5

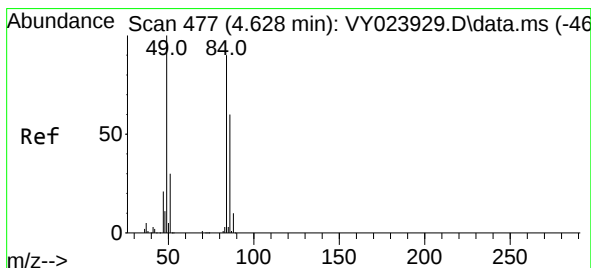
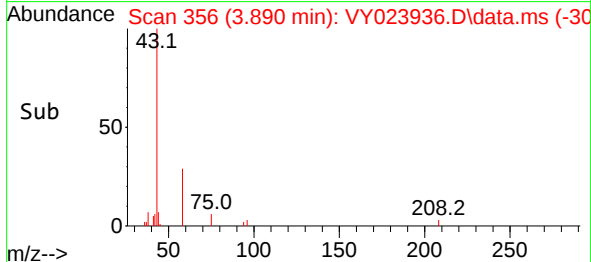
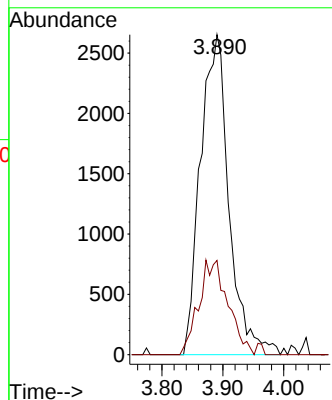
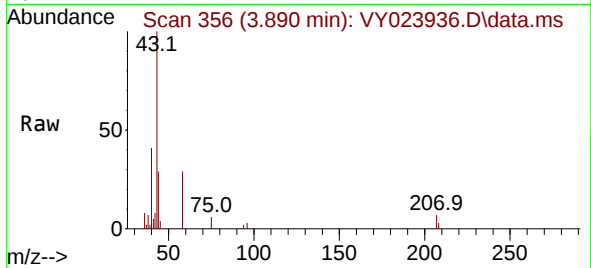




#16  
Acetone  
Concen: Below Cal  
RT: 3.890 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

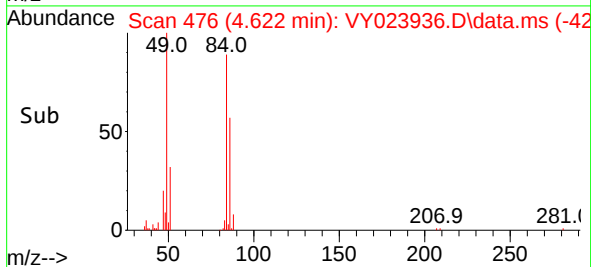
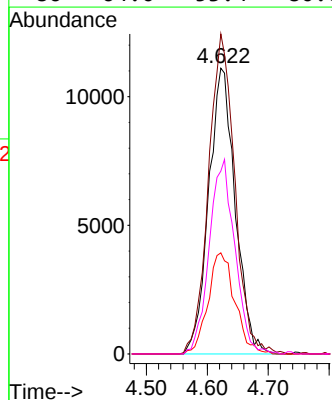
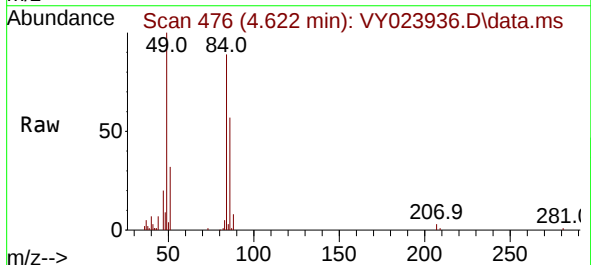
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

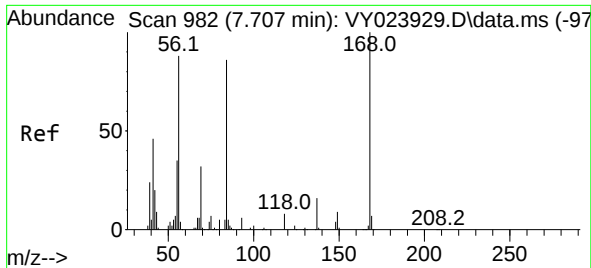
Tgt Ion: 43 Resp: 8627  
Ion Ratio Lower Upper  
43 100  
58 29.4 26.4 39.6



#20  
Methylene Chloride  
Concen: 4.866 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion: 84 Resp: 33627  
Ion Ratio Lower Upper  
84 100  
49 112.0 89.1 133.7  
51 35.4 26.6 39.8  
86 64.0 53.4 80.0

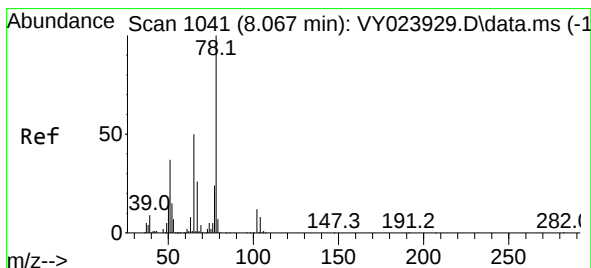
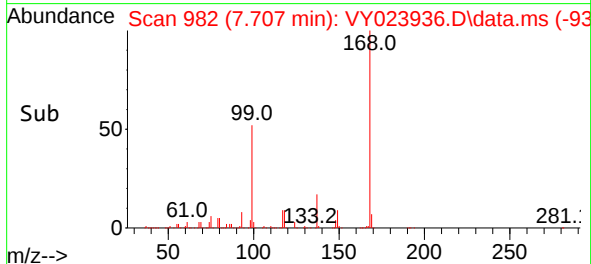
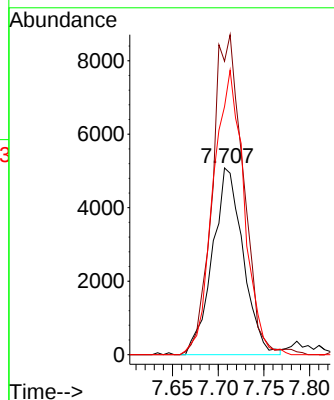
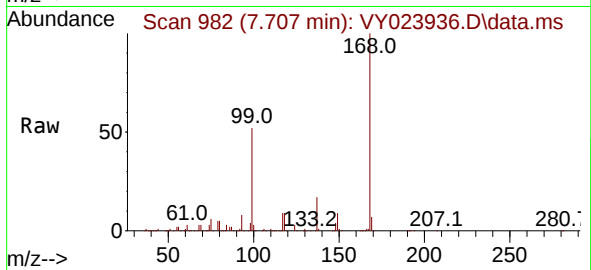




#31  
Cyclohexane  
Concen: 1.180 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

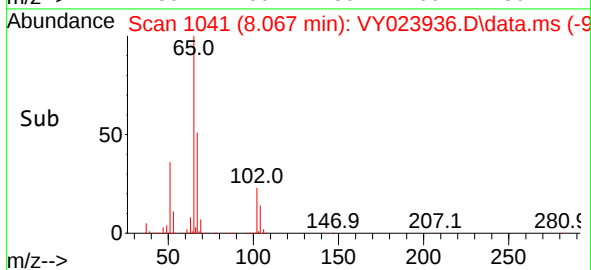
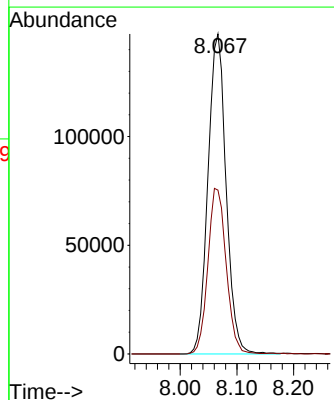
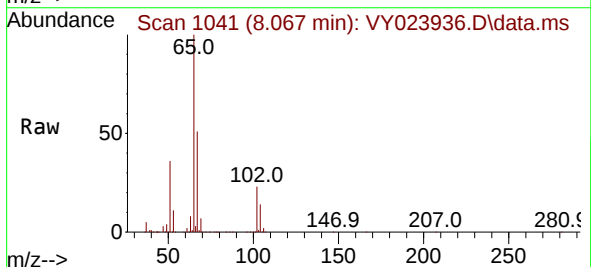
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

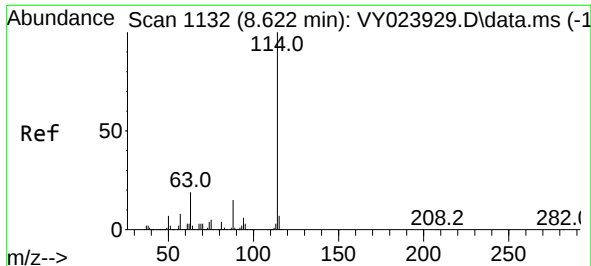
Tgt Ion: 56 Resp: 11887  
Ion Ratio Lower Upper  
56 100  
69 157.1 29.1 43.7#  
84 132.8 77.8 116.8#



#33  
1,2-Dichloroethane-d4  
Concen: 55.668 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion: 65 Resp: 326977  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 106.2

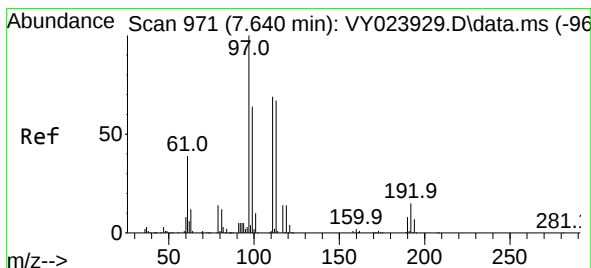
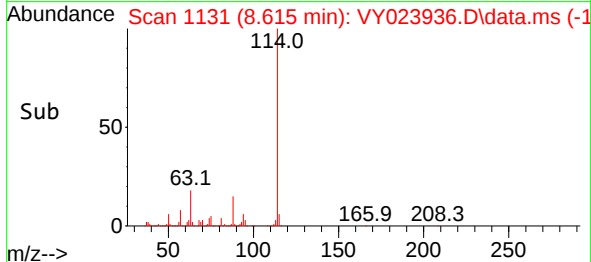
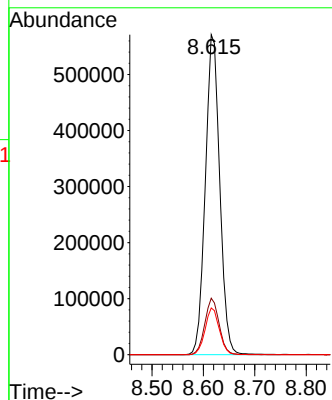
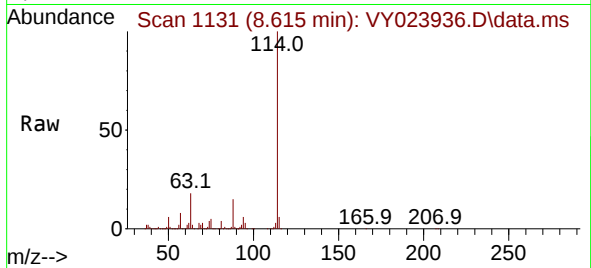




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

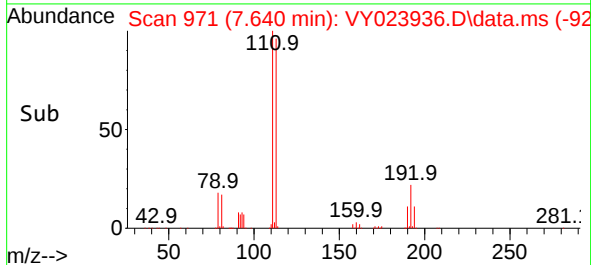
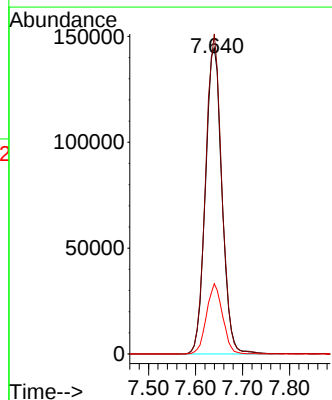
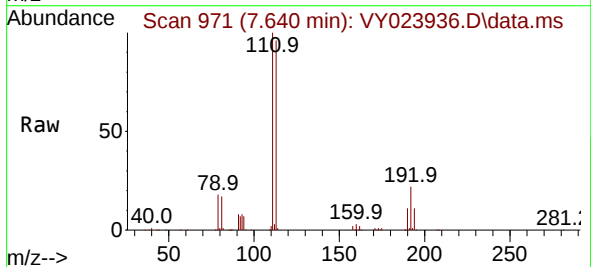
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

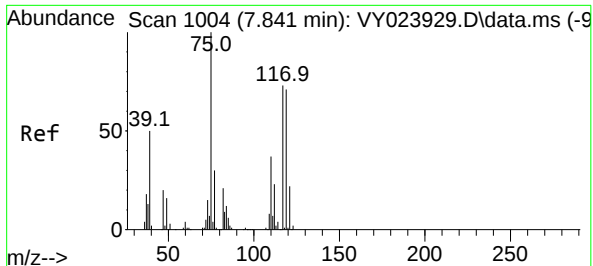
Tgt Ion:114 Resp: 1110415  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 37.2  
88 14.6 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 48.497 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion:113 Resp: 352018  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.4 123.6  
192 22.4 17.9 26.9





#36

1,1-Dichloropropene

Concen: 4.285 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

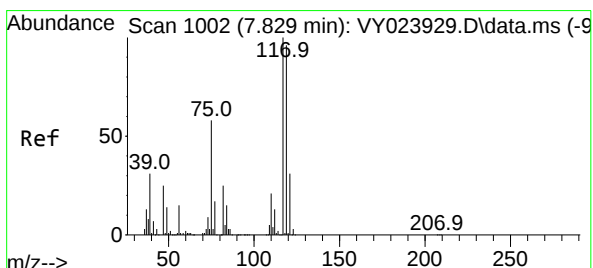
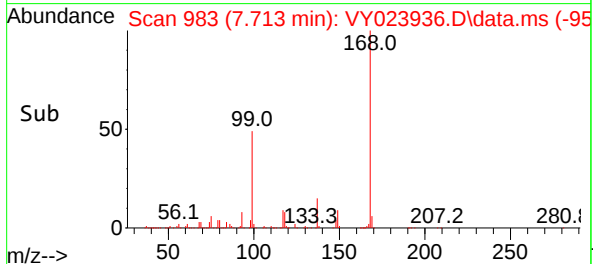
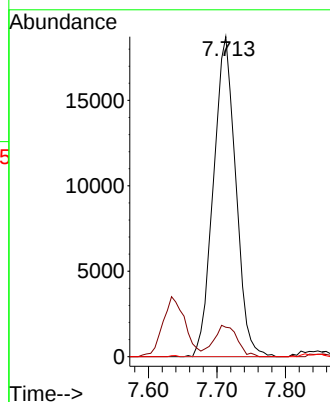
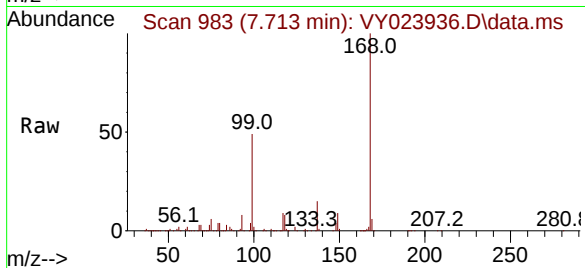
Tgt Ion: 75 Resp: 42340

Ion Ratio Lower Upper

75 100

110 10.3 19.2 57.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.081 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

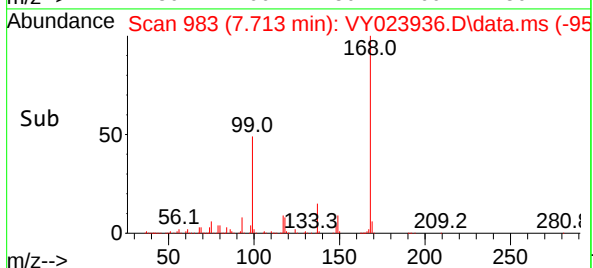
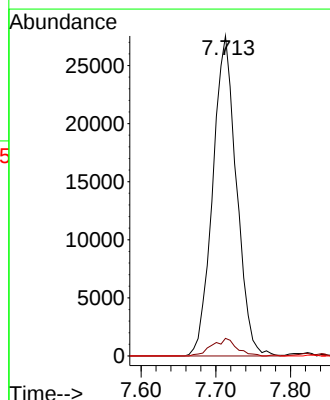
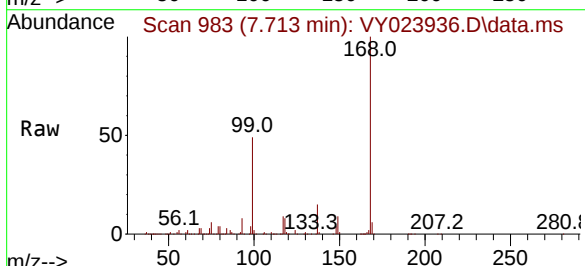
Tgt Ion: 117 Resp: 60863

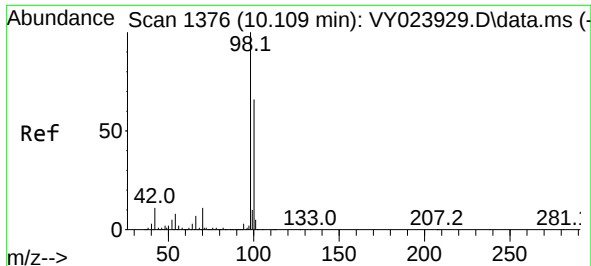
Ion Ratio Lower Upper

117 100

119 5.5 76.6 114.8#

121 0.0 24.8 37.2#

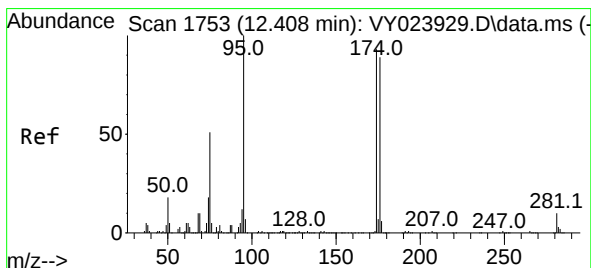
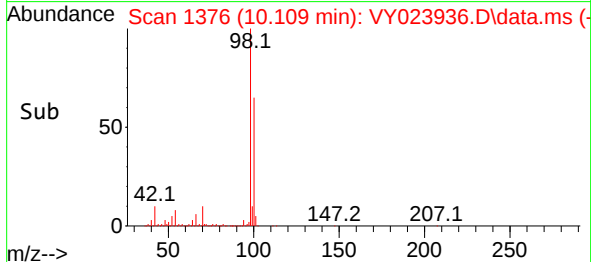
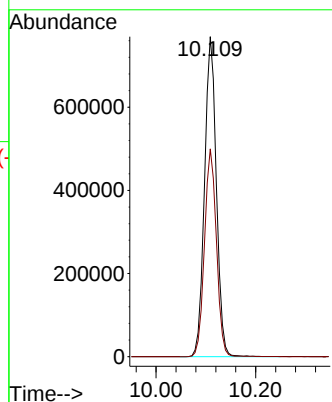
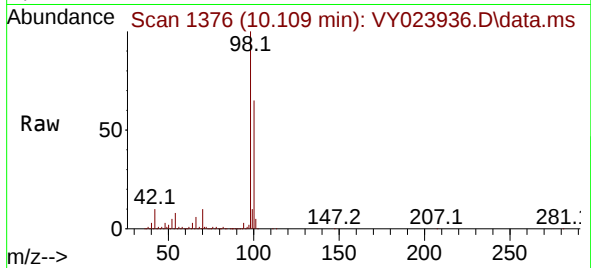




#50  
Toluene-d8  
Concen: 46.859 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

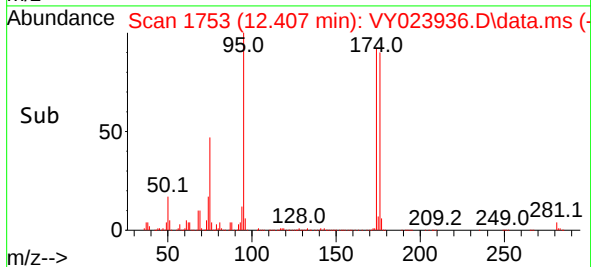
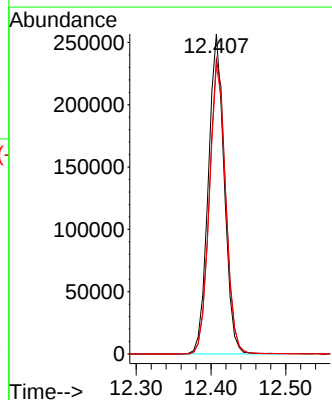
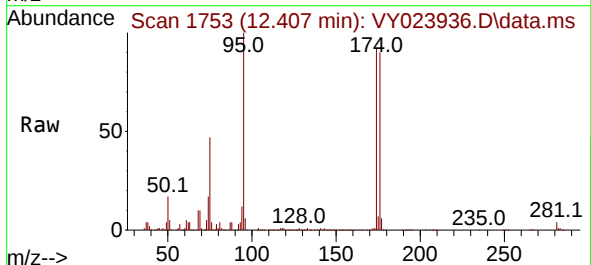
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

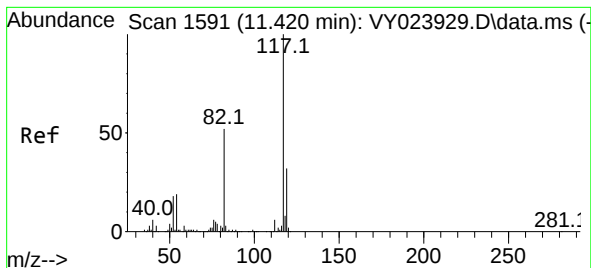
Tgt Ion: 98 Resp: 1266349  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 42.142 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion: 95 Resp: 380336  
Ion Ratio Lower Upper  
95 100  
174 94.8 0.0 187.4  
176 92.1 0.0 179.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

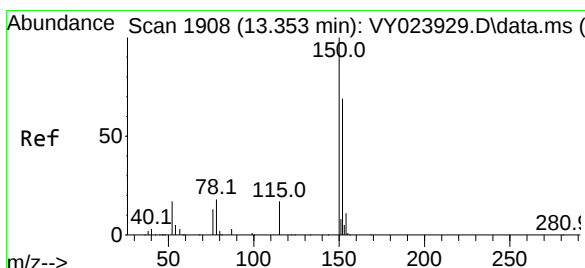
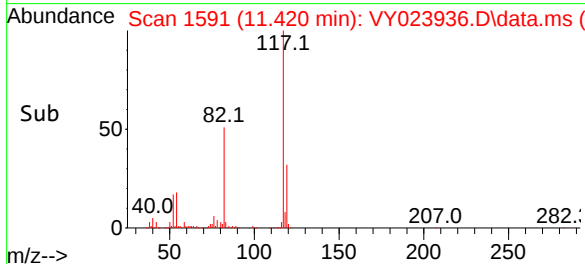
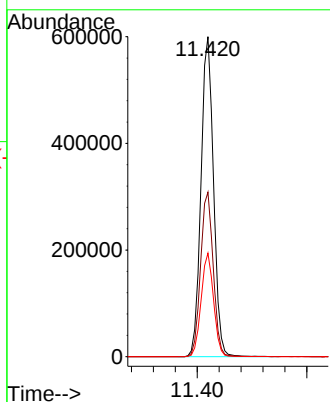
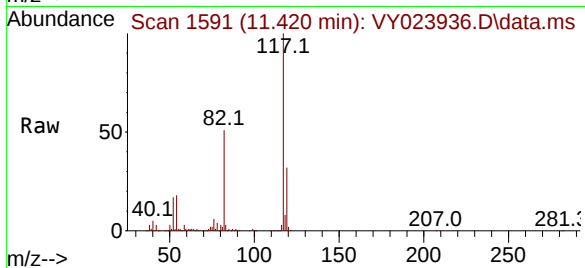
Tgt Ion:117 Resp: 951105

Ion Ratio Lower Upper

117 100

82 51.4 41.4 62.2

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.007 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

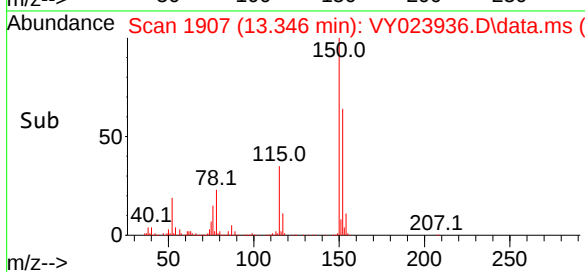
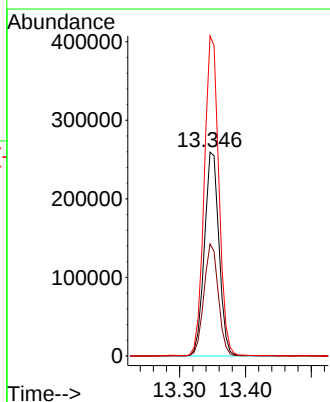
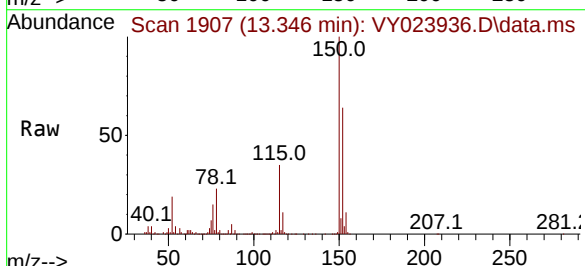
Tgt Ion:152 Resp: 400296

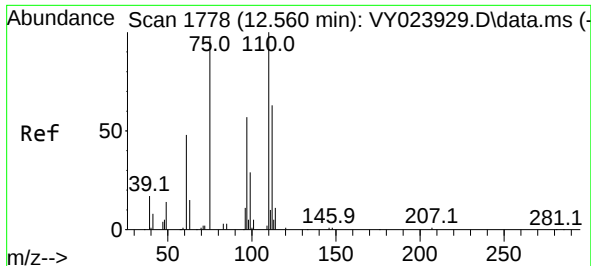
Ion Ratio Lower Upper

152 100

115 54.1 27.3 81.9

150 156.6 0.0 347.6

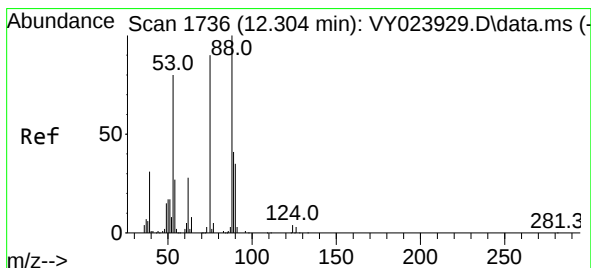
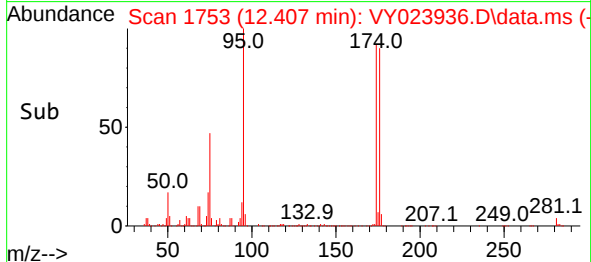
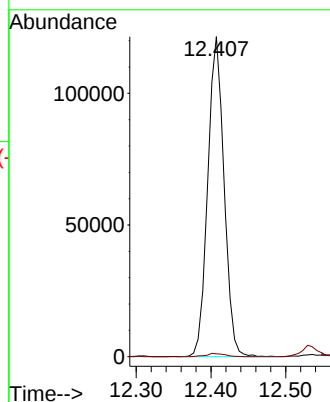
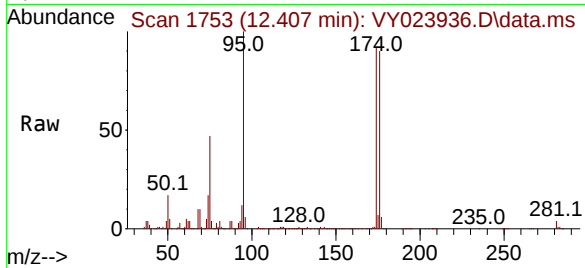




#76  
1,2,3-Trichloropropane  
Concen: 54.342 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.153 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

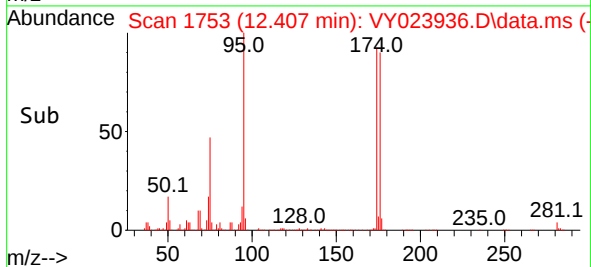
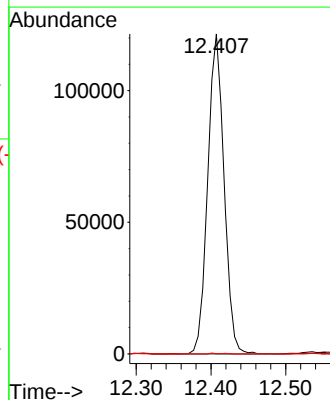
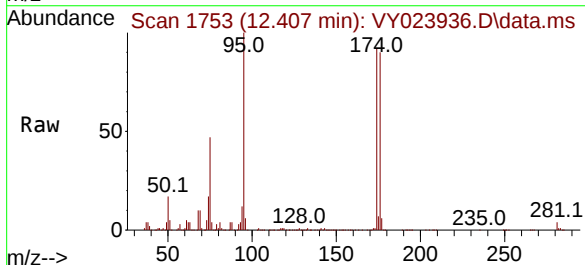
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

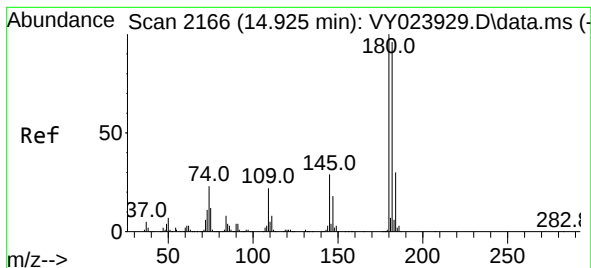
Tgt Ion: 75 Resp: 184007  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 123.696 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.103 min  
Lab File: VY023936.D  
Acq: 10 Dec 2025 13:36

Tgt Ion: 75 Resp: 184007  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.1 38.9 58.3#





#93

1,2,4-Trichlorobenzene

Concen: 1.821 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

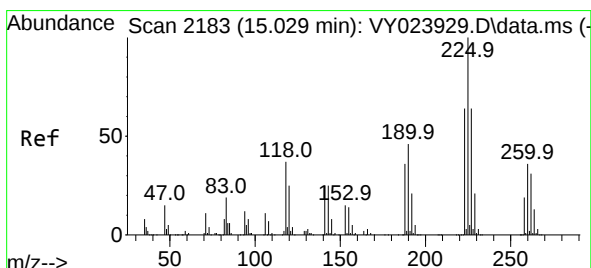
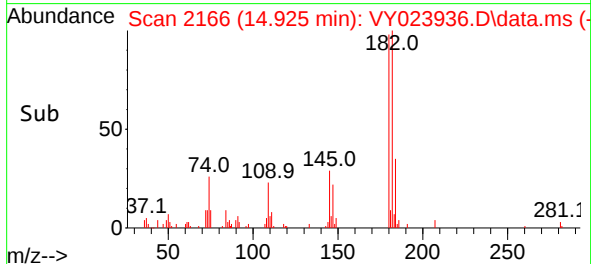
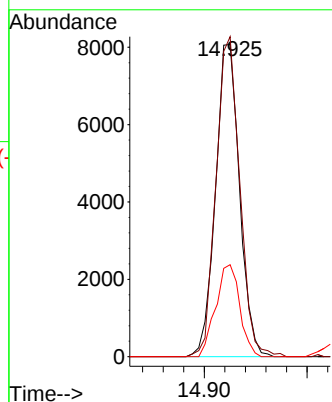
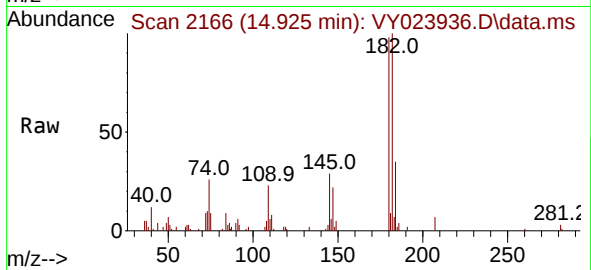
Tgt Ion:180 Resp: 13068

Ion Ratio Lower Upper

180 100

182 101.0 47.6 142.9

145 29.5 14.8 44.4



#94

Hexachlorobutadiene

Concen: 1.328 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.006 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

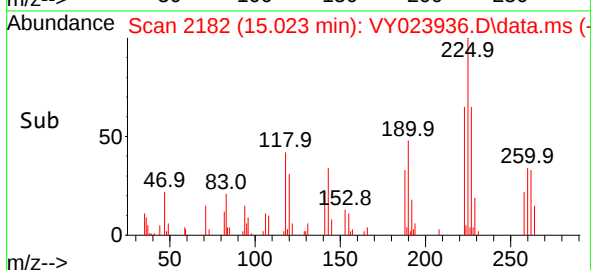
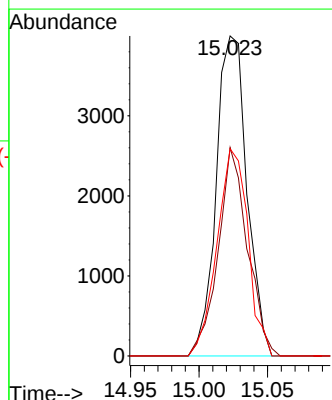
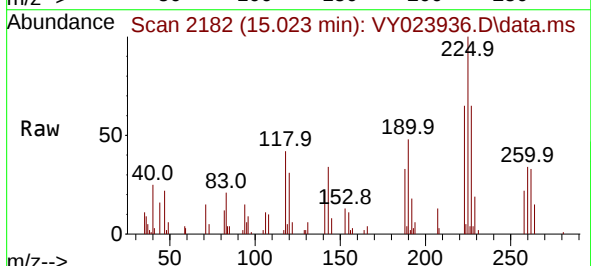
Tgt Ion:225 Resp: 6247

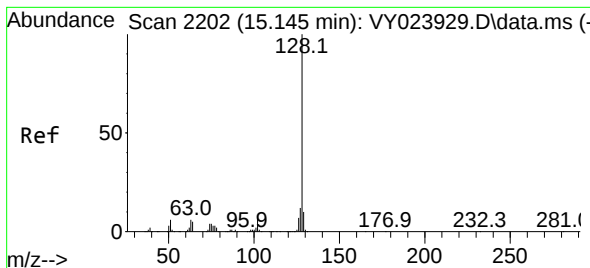
Ion Ratio Lower Upper

225 100

223 62.1 31.6 95.0

227 65.3 31.7 95.1





#95

Naphthalene

Concen: 2.335 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

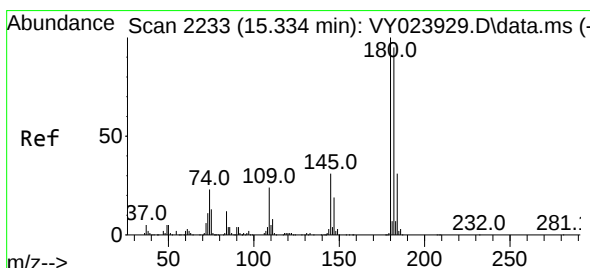
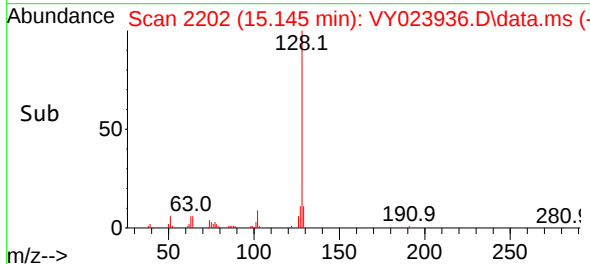
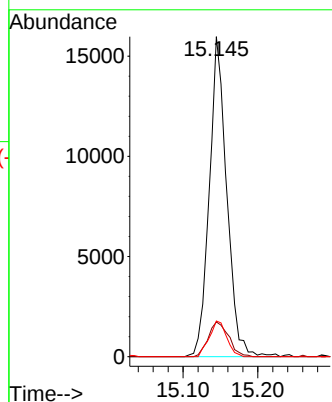
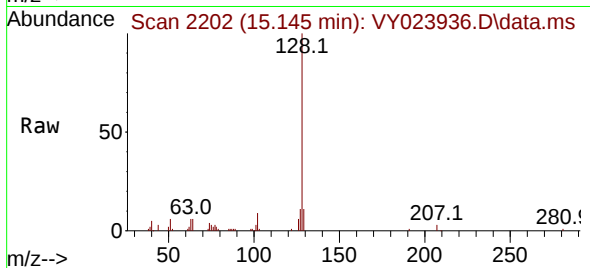
Tgt Ion:128 Resp: 25920

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 2.267 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY023936.D

Acq: 10 Dec 2025 13:36

Tgt Ion:180 Resp: 13845

Ion Ratio Lower Upper

180 100

182 92.6 47.8 143.4

145 31.7 15.6 46.8

