

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042825\  
 Data File : VY022026.D  
 Acq On : 28 Apr 2025 13:04  
 Operator : SY/MD  
 Sample : IBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 IBLK

Quant Time: Apr 29 03:53:21 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

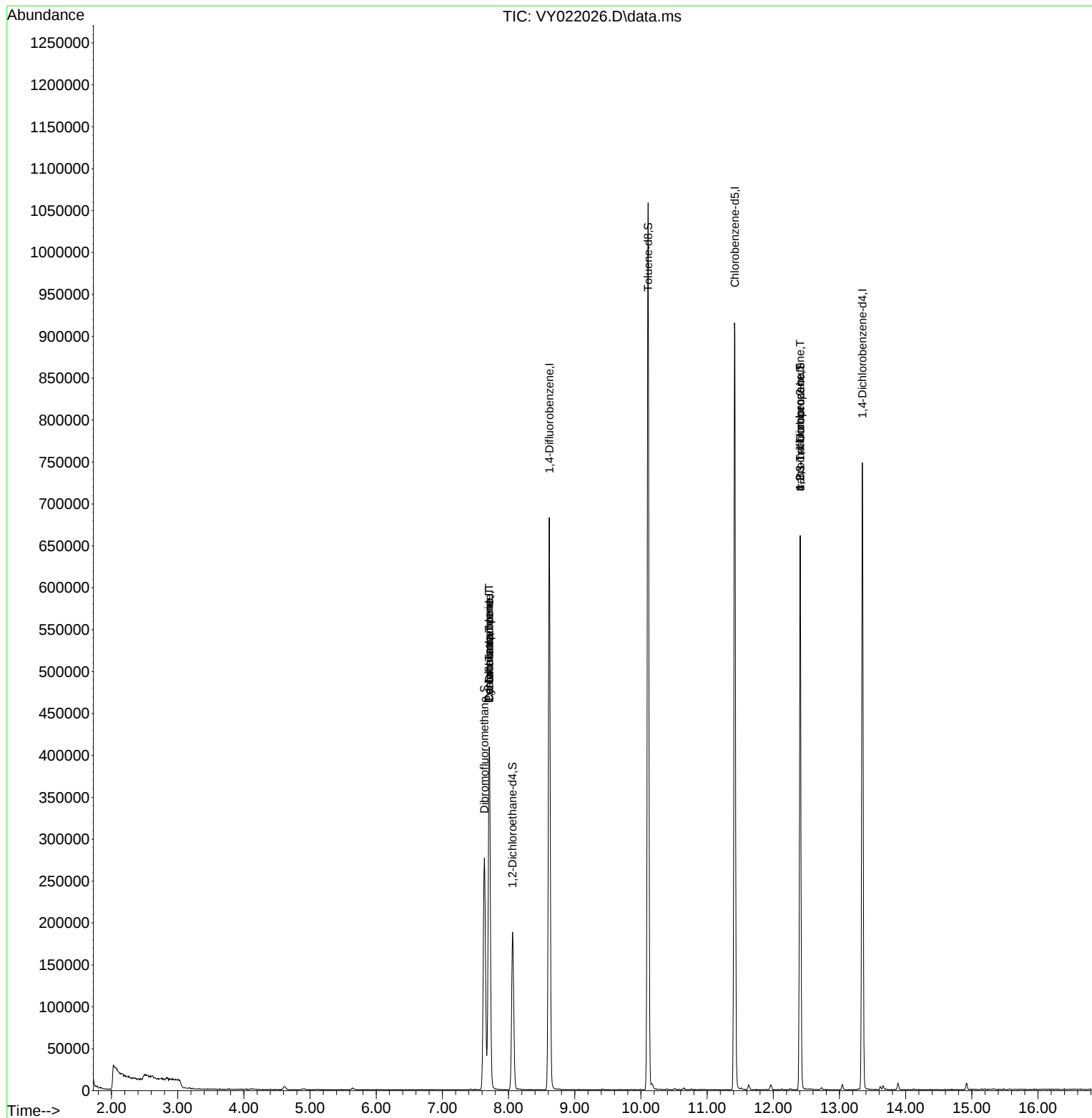
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 330644   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.615  | 114   | 606621   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 524960   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 199008   | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.060  | 65    | 147941   | 48.440    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.880%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 199904   | 49.880    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.760%  |
| 50) Toluene-d8                | 10.109 | 98    | 705707   | 46.708    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 93.420%  |
| 62) 4-Bromofluorobenzene      | 12.407 | 95    | 194882   | 38.315    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 76.640%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
| 16) Acetone                   | 3.872  | 43    | 449      | Below Cal | #      | 41       |
| 31) Cyclohexane               | 7.707  | 56    | 6006     | 1.190     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 23630    | 4.389     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 30987    | 4.817     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.407 | 75    | 94343    | 55.346    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.407 | 75    | 94343    | 133.282   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

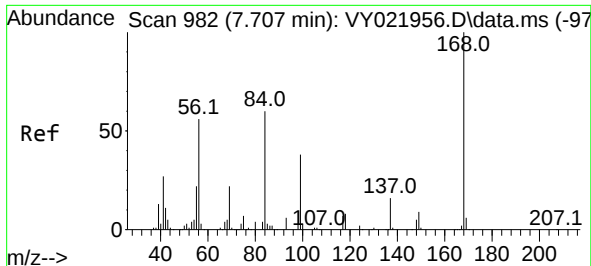
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

Quant Time: Apr 29 03:53:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
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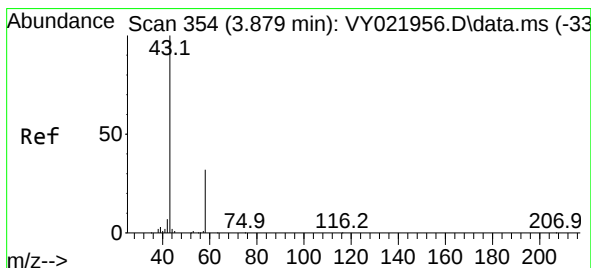
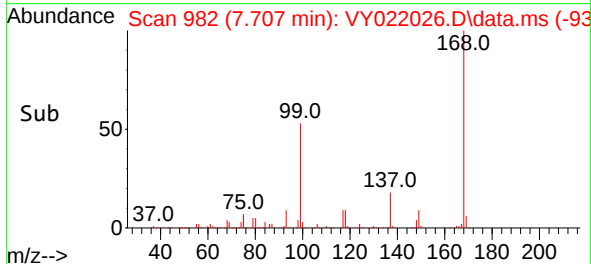
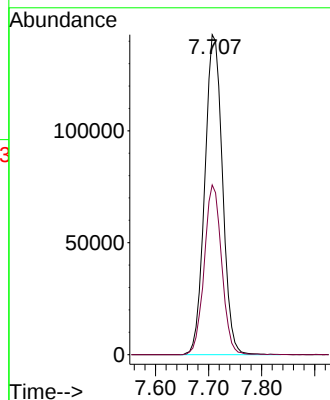
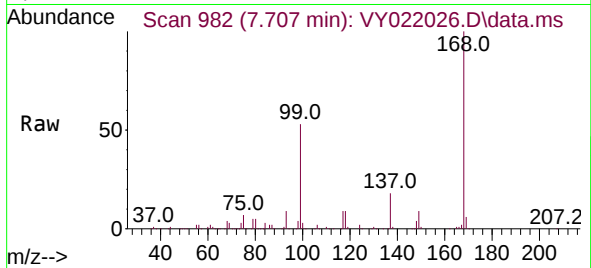




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

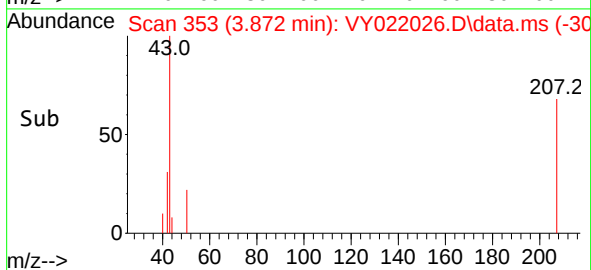
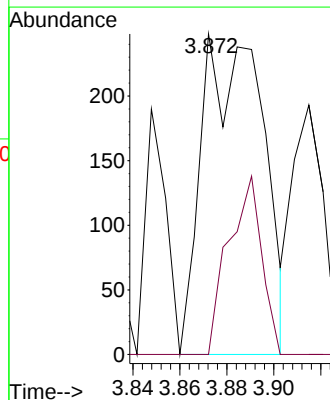
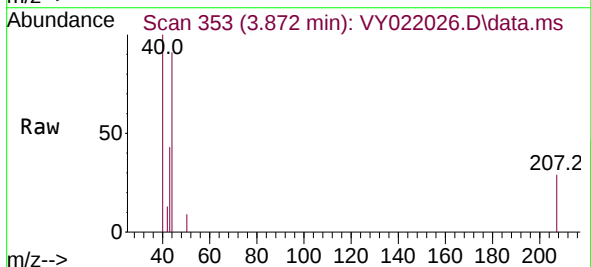
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

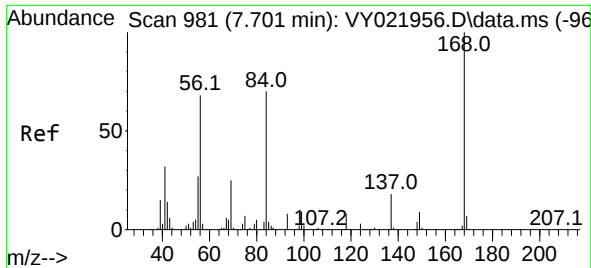
Tgt Ion:168 Resp: 330644  
Ion Ratio Lower Upper  
168 100  
99 53.1 43.1 64.7



#16  
Acetone  
Concen: Below Cal  
RT: 3.872 min Scan# 353  
Delta R.T. -0.007 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Tgt Ion: 43 Resp: 449  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.0 40.4#

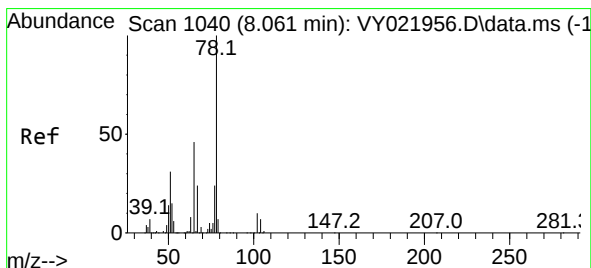
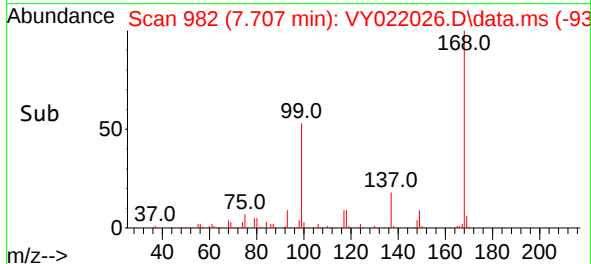
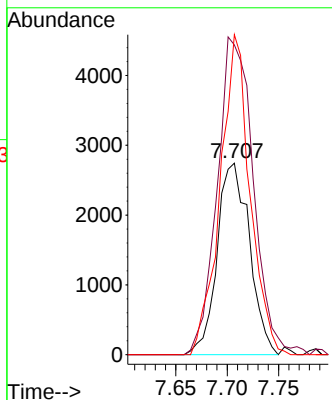
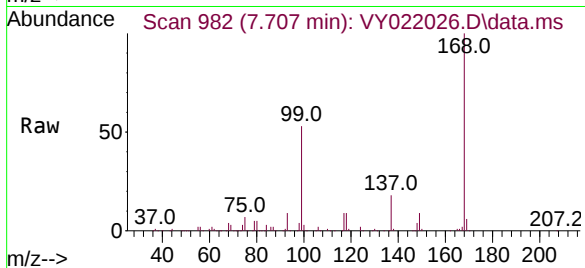




#31  
Cyclohexane  
Concen: 1.190 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

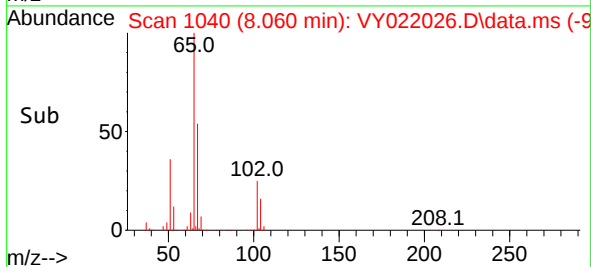
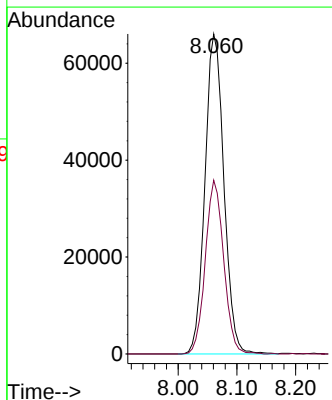
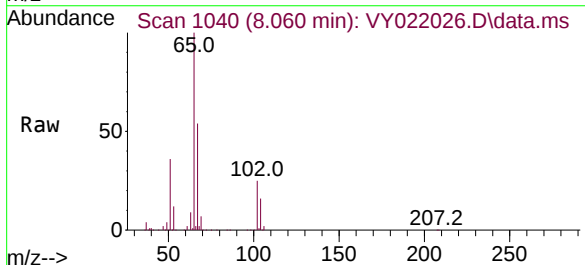
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

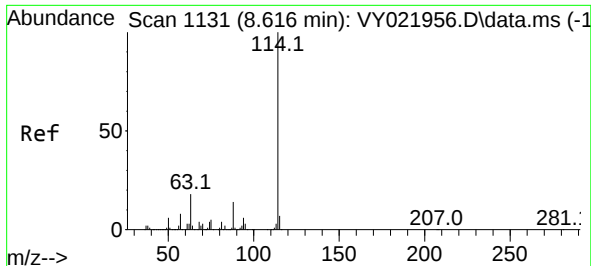
Tgt Ion: 56 Resp: 6006  
Ion Ratio Lower Upper  
56 100  
69 161.7 29.4 44.2#  
84 167.0 82.2 123.4#



#33  
1,2-Dichloroethane-d4  
Concen: 48.440 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Tgt Ion: 65 Resp: 147941  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.8

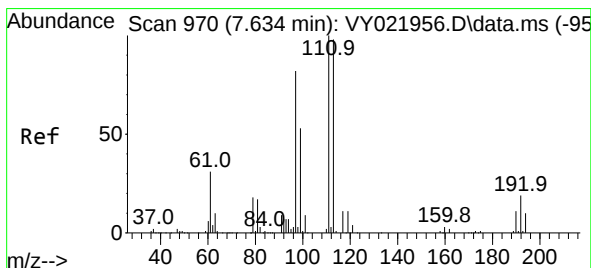
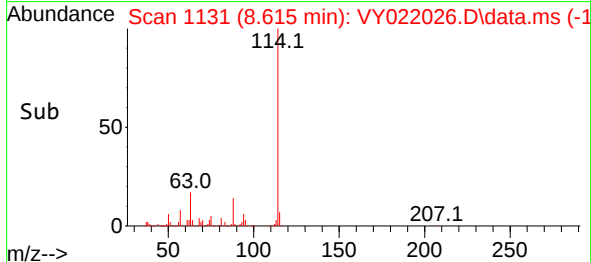
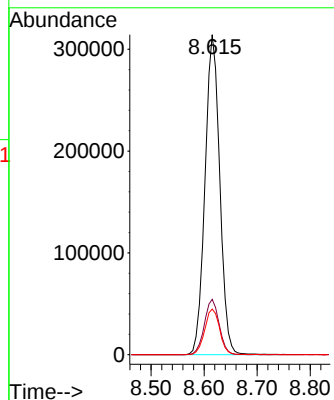
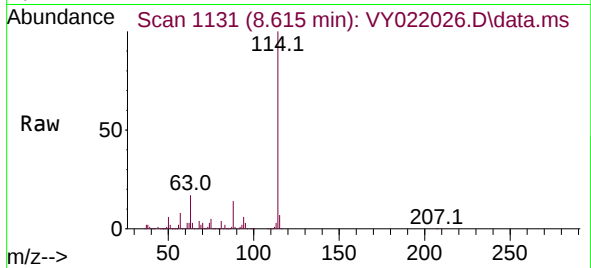




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

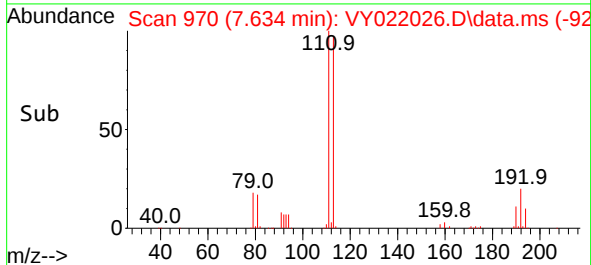
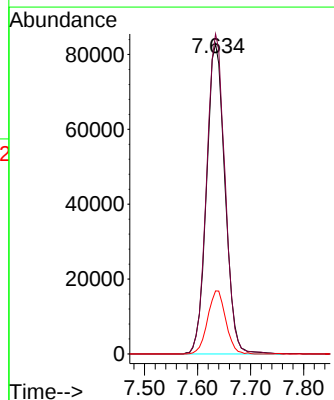
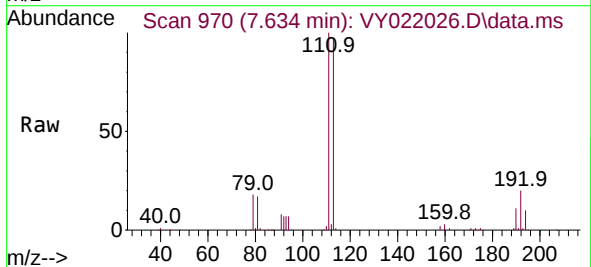
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

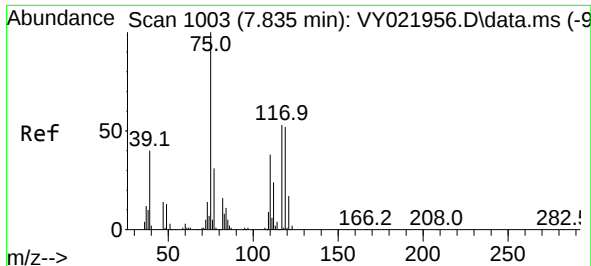
Tgt Ion:114 Resp: 606621  
Ion Ratio Lower Upper  
114 100  
63 17.3 0.0 35.4  
88 14.2 0.0 28.2



#35  
Dibromofluoromethane  
Concen: 49.880 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Tgt Ion:113 Resp: 199904  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.8 122.8  
192 20.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.389 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022026.D

Acq: 28 Apr 2025 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

IBLK

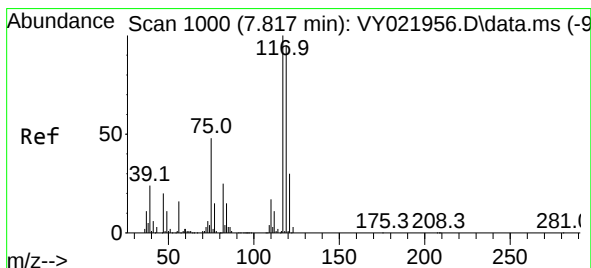
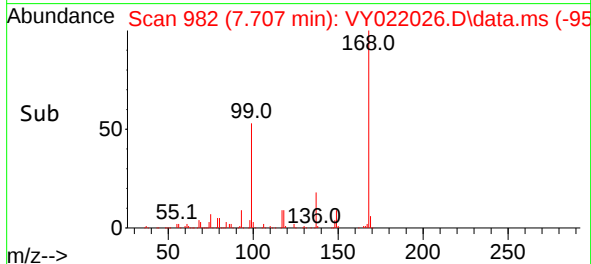
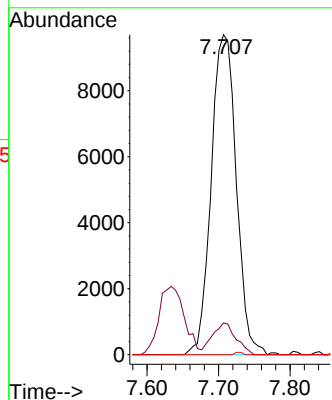
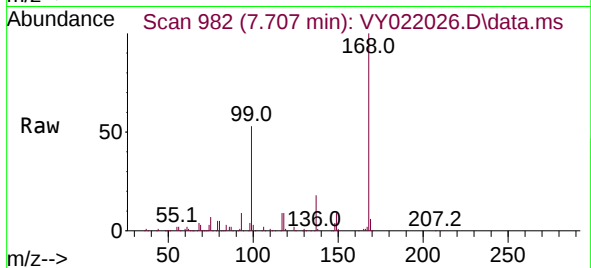
Tgt Ion: 75 Resp: 23630

Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.2 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.817 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022026.D

Acq: 28 Apr 2025 13:04

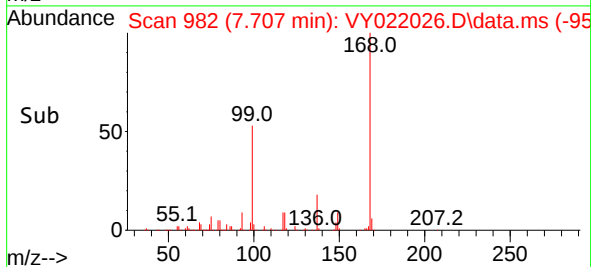
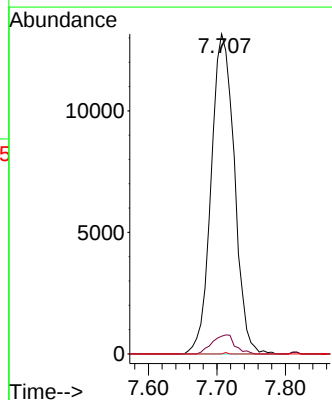
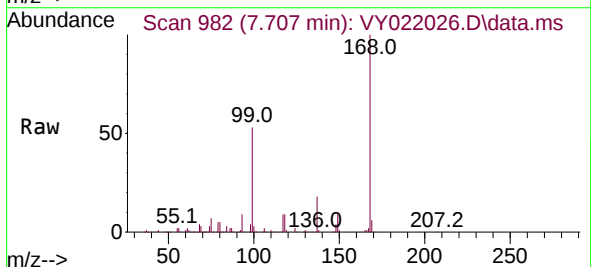
Tgt Ion: 117 Resp: 30987

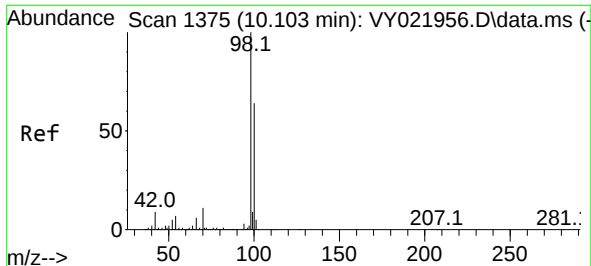
Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.4#

121 0.0 24.0 36.0#

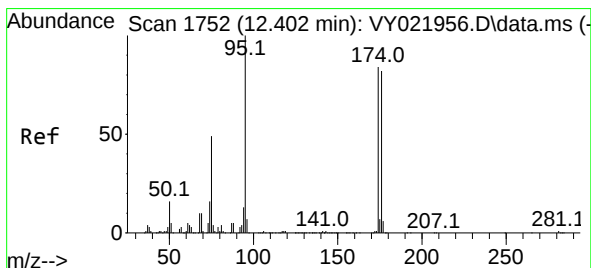
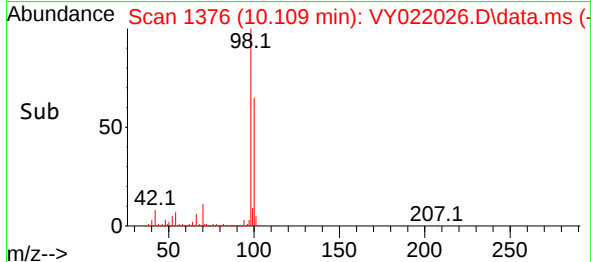
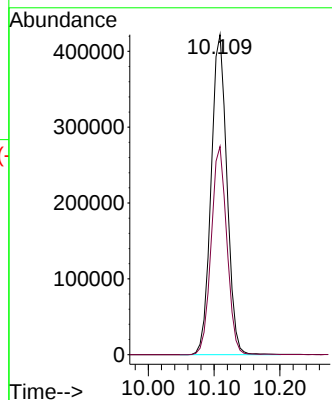
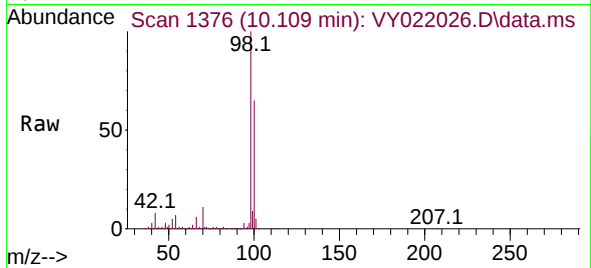




#50  
Toluene-d8  
Concen: 46.708 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

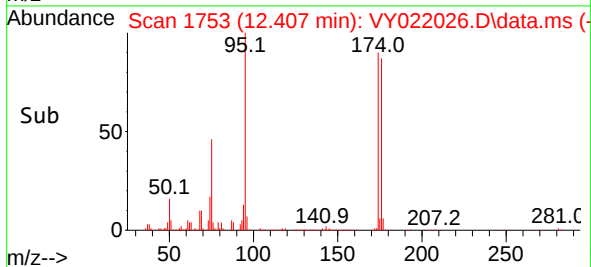
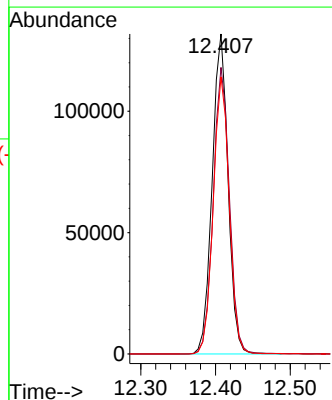
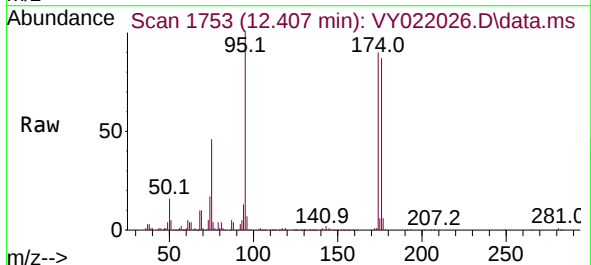
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

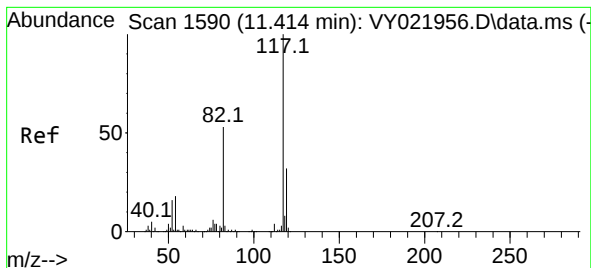
Tgt Ion: 98 Resp: 705707  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 38.315 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Tgt Ion: 95 Resp: 194882  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 179.0  
176 86.8 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: VY022026.D

Acq: 28 Apr 2025 13:04

Instrument :

MSVOA\_Y

ClientSampleId :

IBLK

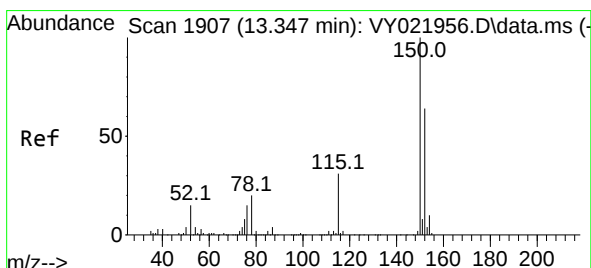
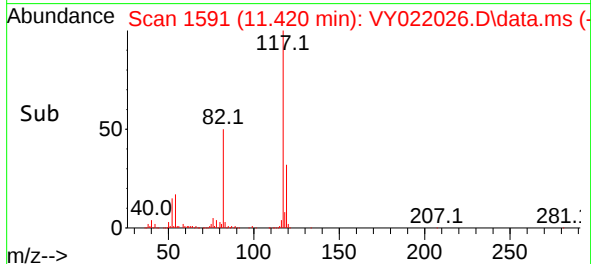
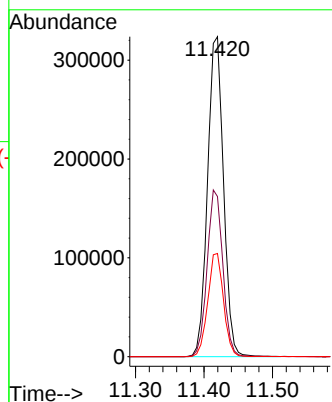
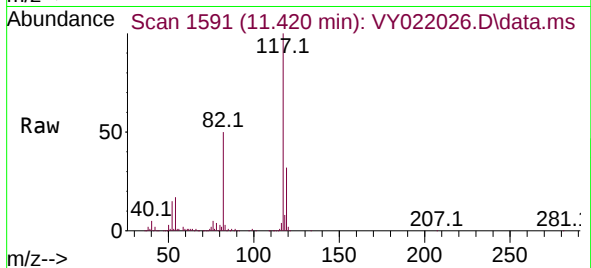
Tgt Ion:117 Resp: 524960

Ion Ratio Lower Upper

117 100

82 50.0 42.1 63.1

119 32.3 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: VY022026.D

Acq: 28 Apr 2025 13:04

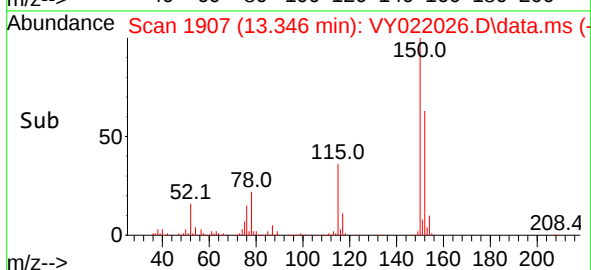
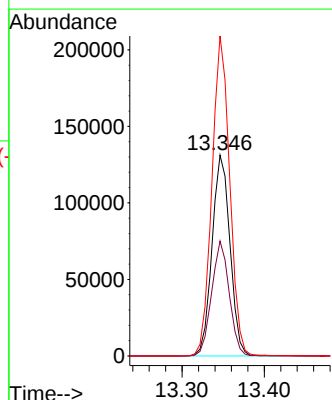
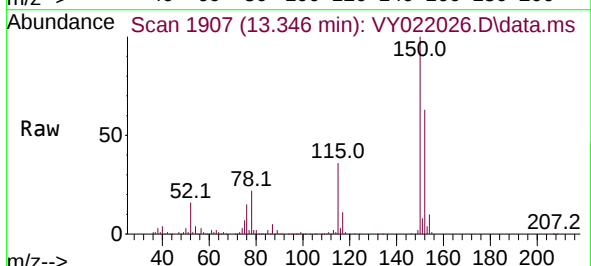
Tgt Ion:152 Resp: 199008

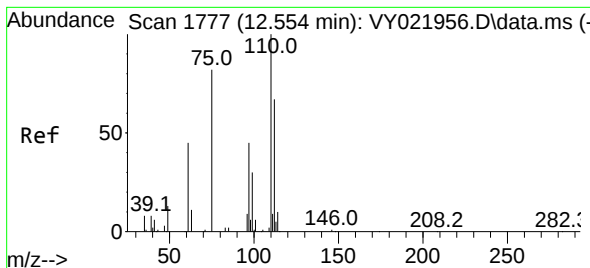
Ion Ratio Lower Upper

152 100

115 56.1 28.0 84.0

150 157.9 0.0 345.6

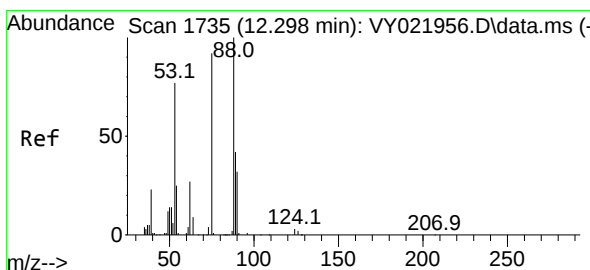
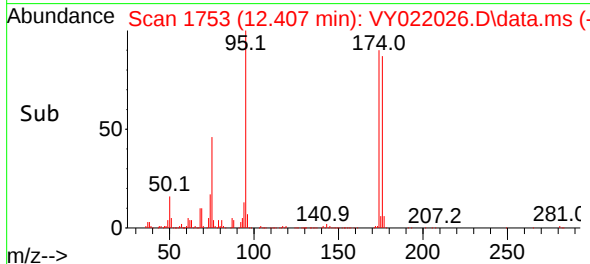
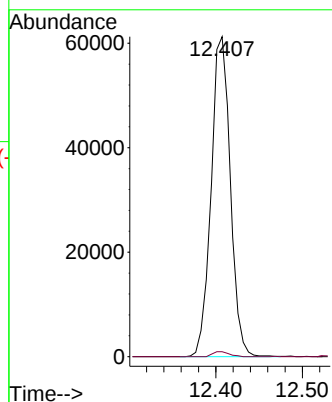
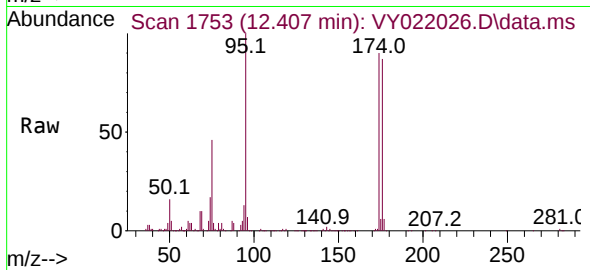




#76  
1,2,3-Trichloropropane  
Concen: 55.346 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. -0.147 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
IBLK

Tgt Ion: 75 Resp: 94343  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 133.282 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.109 min  
Lab File: VY022026.D  
Acq: 28 Apr 2025 13:04

Tgt Ion: 75 Resp: 94343  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.0 99.0#  
89 0.0 37.2 55.8#

