

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061825\  
 Data File : VY022734.D  
 Acq On : 18 Jun 2025 12:39  
 Operator : SY/MD  
 Sample : Q2336-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WBR-1

Quant Time: Jun 19 03:59:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

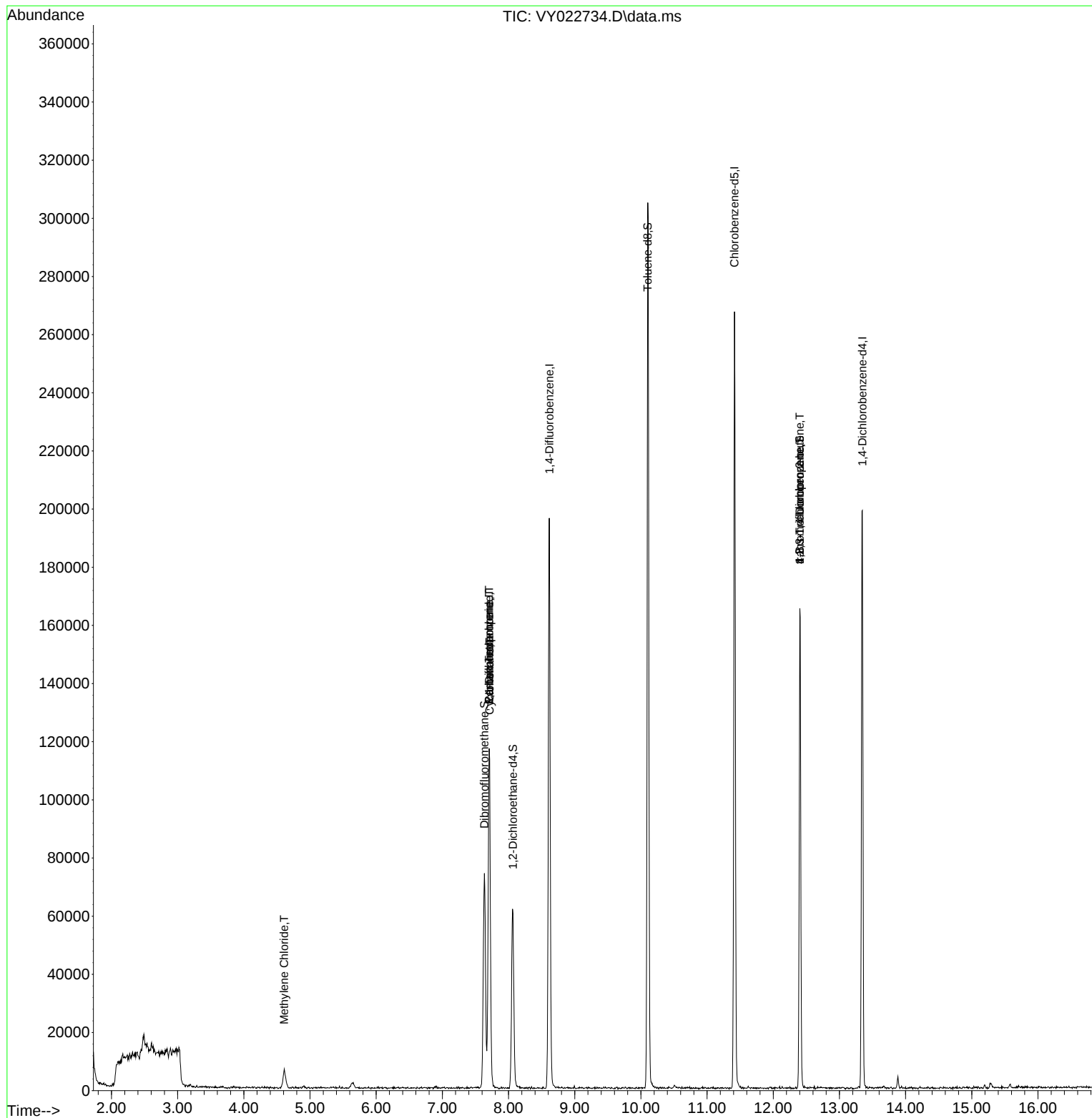
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 86256    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 157947   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 131320   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 47143    | 50.000   | ug/l       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 48531    | 50.306   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 100.620% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 50372    | 53.431   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 106.860% |          |
| 50) Toluene-d8                | 10.103 | 98    | 191320   | 50.224   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | = 100.440% |          |
| 62) 4-Bromofluorobenzene      | 12.401 | 95    | 47046    | 41.451   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | = 82.900%  |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 20) Methylene Chloride        | 4.610  | 84    | 3874     | 3.481    | ug/l #     | 92       |
| 31) Cyclohexane               | 7.713  | 56    | 2645     | 1.427    | ug/l #     | 63       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 8326     | 5.442    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 9442     | 6.015    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75    | 27455    | 50.905   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75    | 27455    | 122.934  | ug/l #     | 10       |
| -----                         |        |       |          |          |            |          |

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

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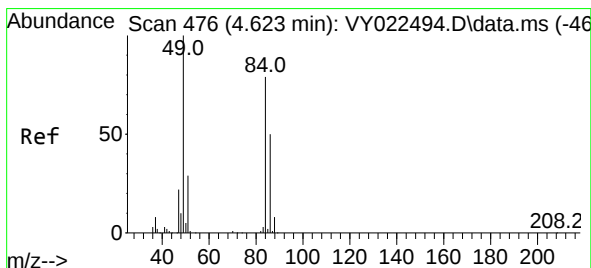
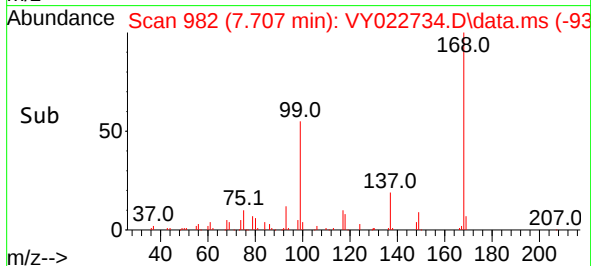
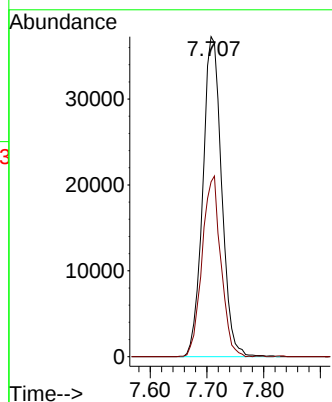
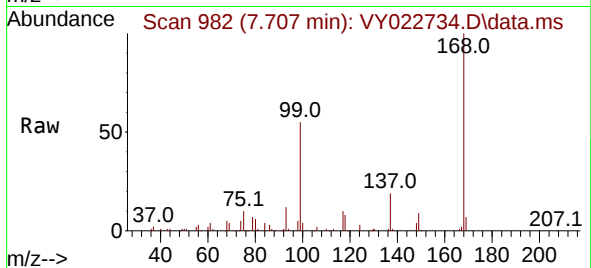




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

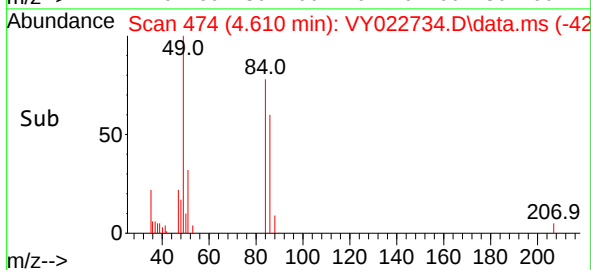
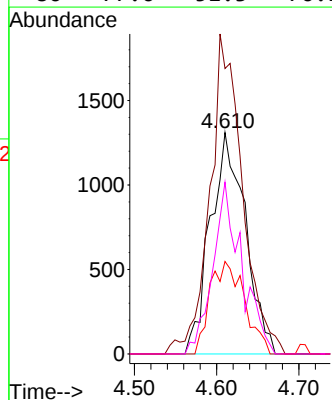
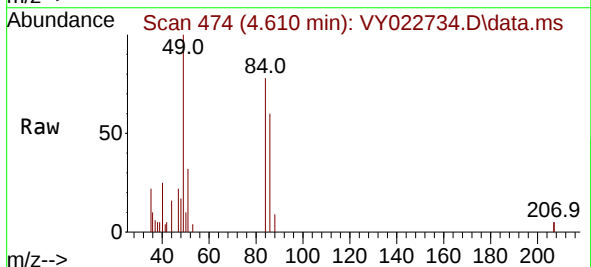
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WBR-1

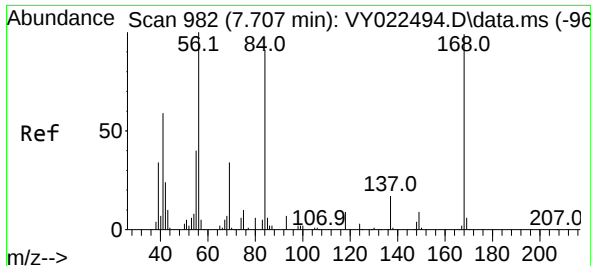
Tgt Ion:168 Resp: 86256  
Ion Ratio Lower Upper  
168 100  
99 54.5 44.3 66.5



#20  
Methylene Chloride  
Concen: 3.481 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.012 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

Tgt Ion: 84 Resp: 3874  
Ion Ratio Lower Upper  
84 100  
49 124.3 101.9 152.9  
51 41.7 29.8 44.8  
86 77.6 51.3 76.9#

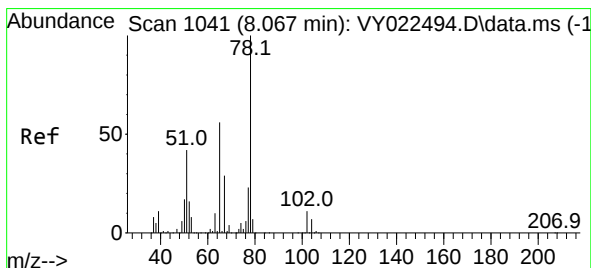
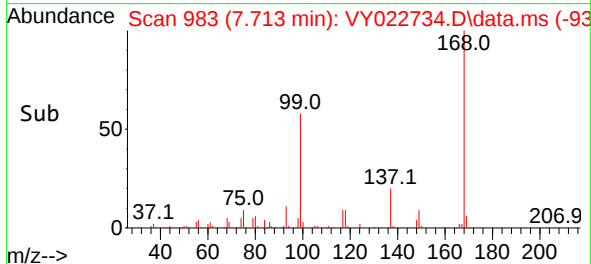
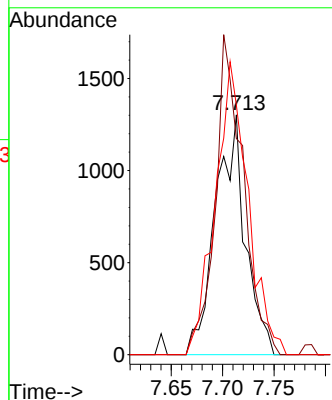
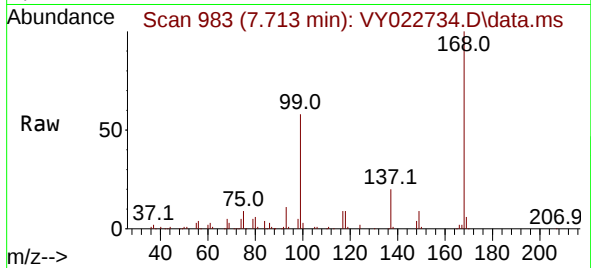




#31  
Cyclohexane  
Concen: 1.427 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

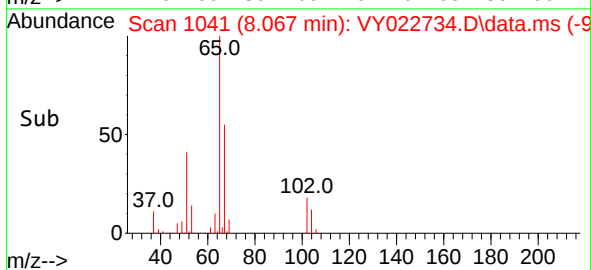
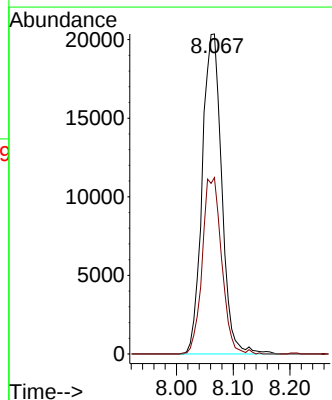
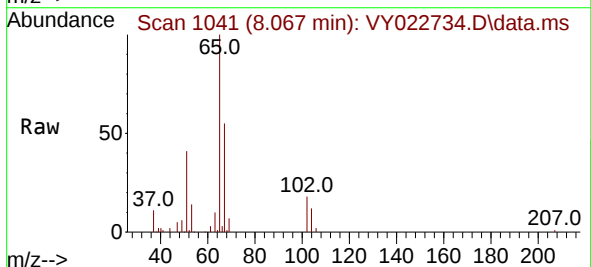
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WBR-1

Tgt Ion: 56 Resp: 2645  
Ion Ratio Lower Upper  
56 100  
69 90.1 27.0 40.6#  
84 104.1 72.6 109.0



#33  
1,2-Dichloroethane-d4  
Concen: 50.306 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

Tgt Ion: 65 Resp: 48531  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 103.4

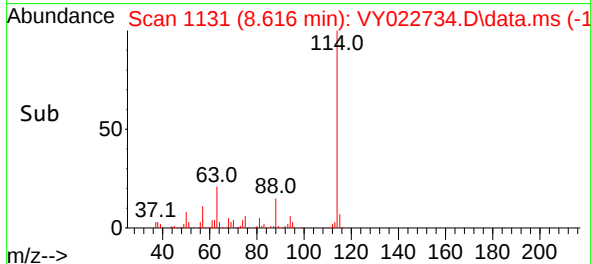
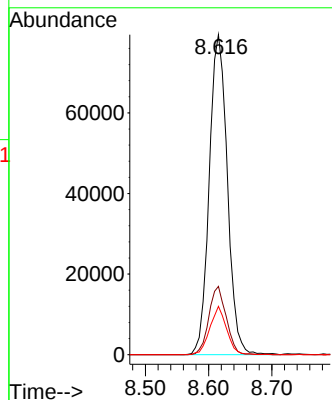
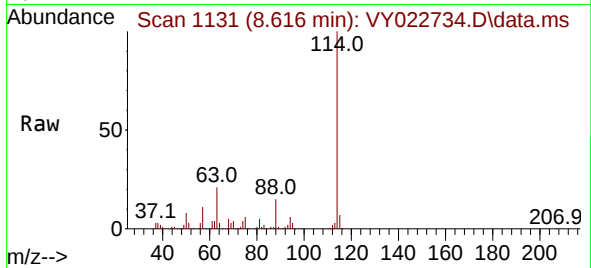




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

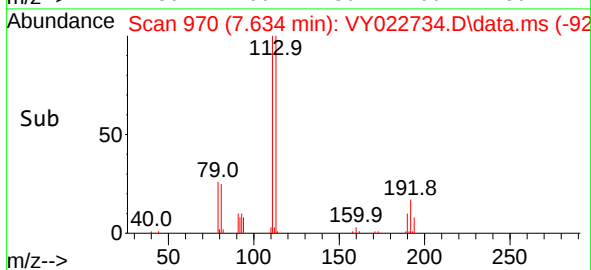
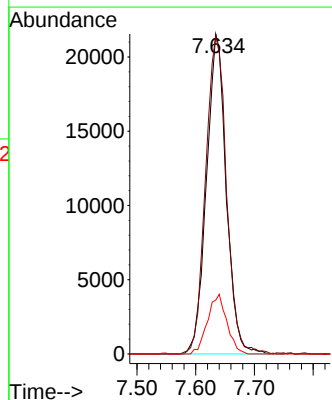
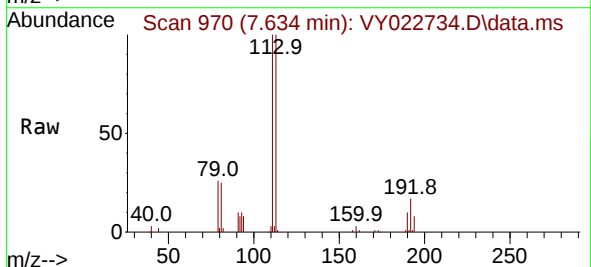
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WBR-1

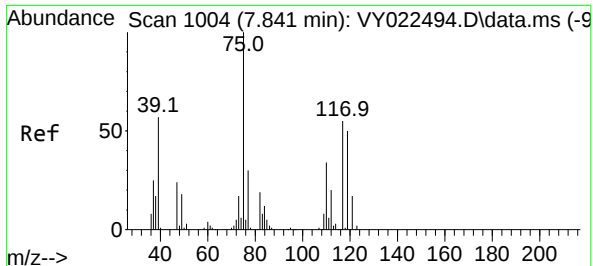
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 157947 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.3  | 0.0   | 40.8   |
| 88        | 15.1  | 0.0   | 27.8   |



#35  
Dibromofluoromethane  
Concen: 53.431 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 50372 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 104.7 | 81.1  | 121.7 |
| 192       | 18.2  | 14.2  | 21.2  |





#36

1,1-Dichloropropene

Concen: 5.442 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

Instrument :

MSVOA\_Y

ClientSampleId :

WBR-1

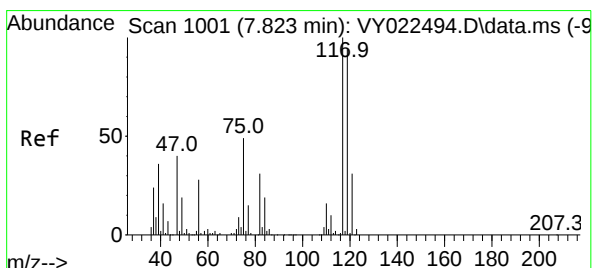
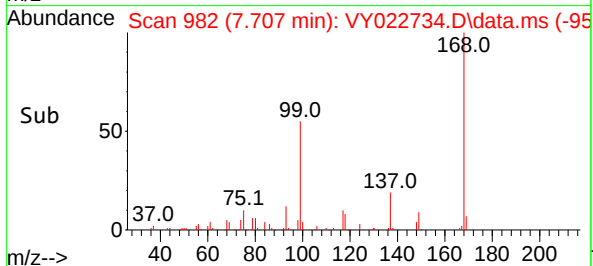
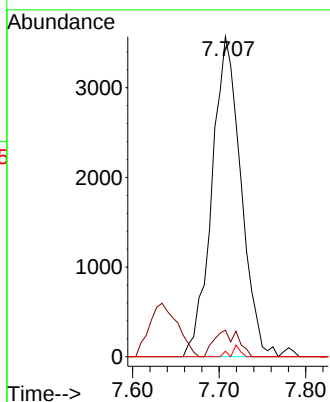
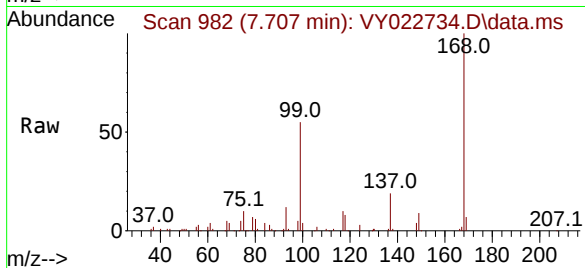
Tgt Ion: 75 Resp: 8326

Ion Ratio Lower Upper

75 100

110 6.8 16.9 50.7#

77 1.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.015 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

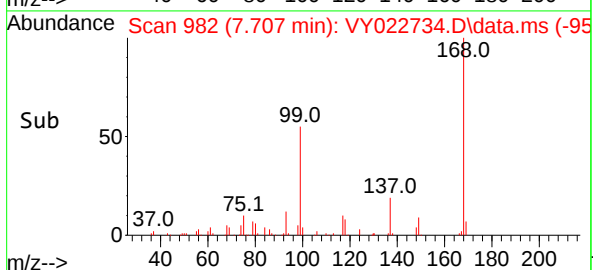
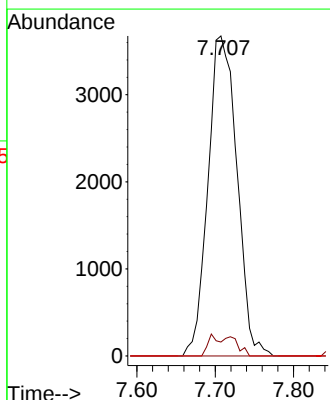
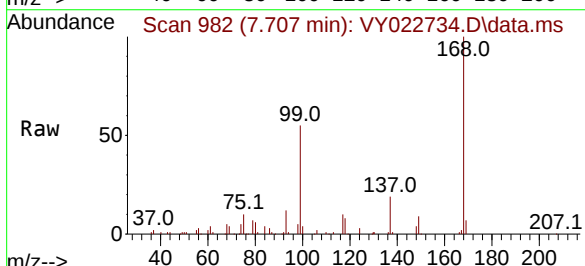
Tgt Ion: 117 Resp: 9442

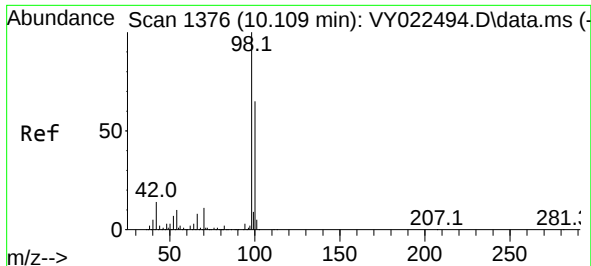
Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 25.0 37.4#

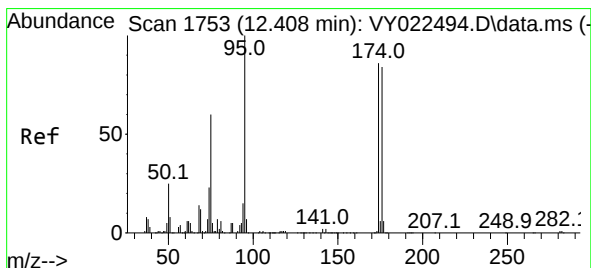
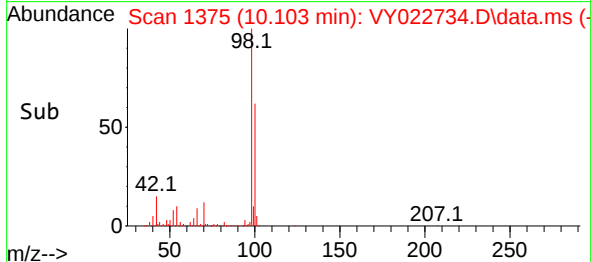
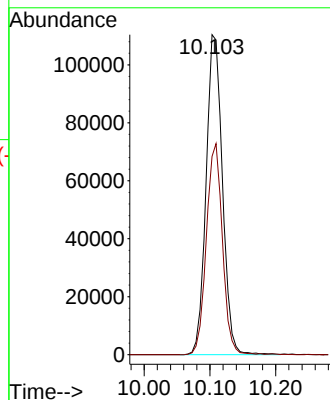
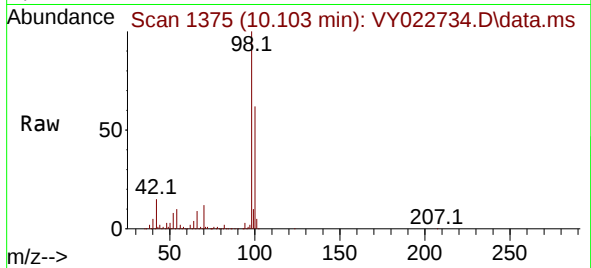




#50  
Toluene-d8  
Concen: 50.224 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

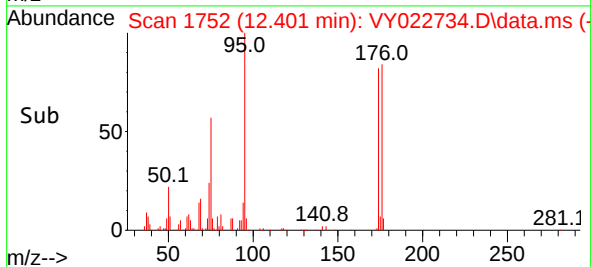
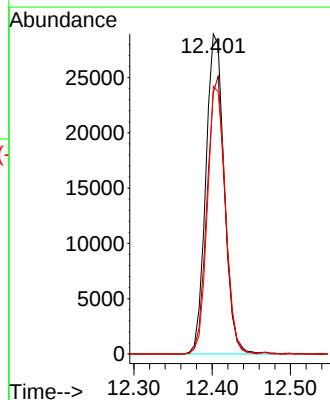
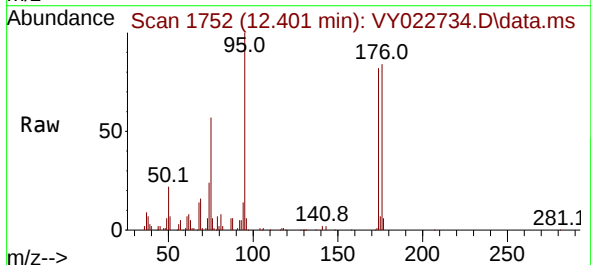
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WBR-1

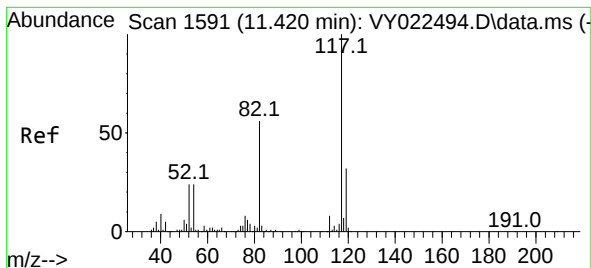
Tgt Ion: 98 Resp: 191320  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.451 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

Tgt Ion: 95 Resp: 47046  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 170.0  
176 82.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

Instrument :

MSVOA\_Y

ClientSampleId :

WBR-1

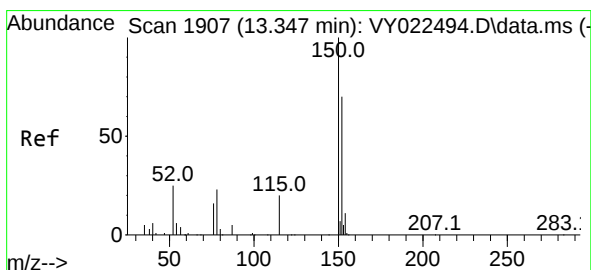
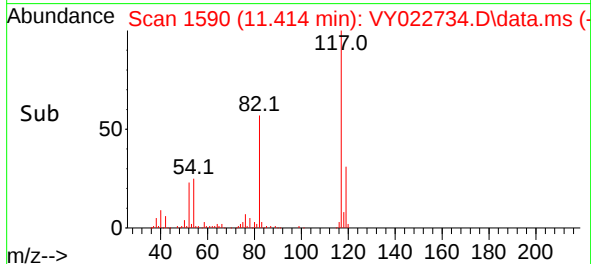
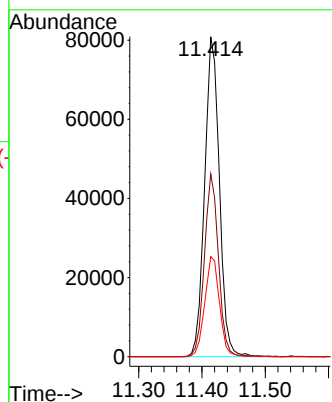
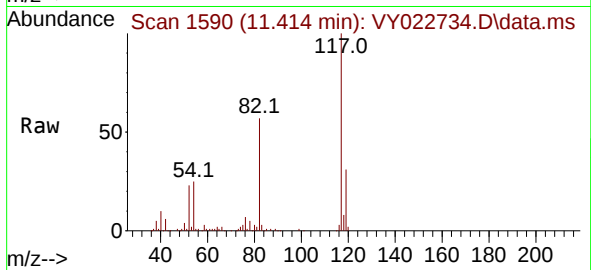
Tgt Ion:117 Resp: 131320

Ion Ratio Lower Upper

117 100

82 57.1 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

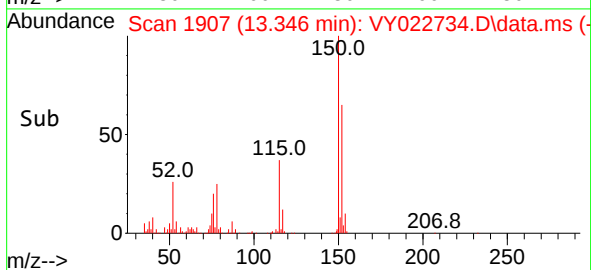
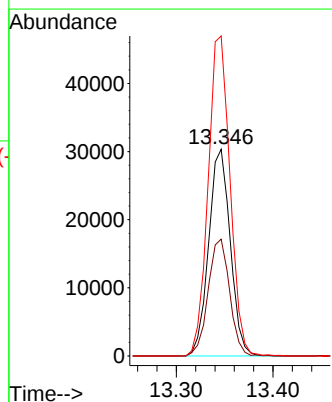
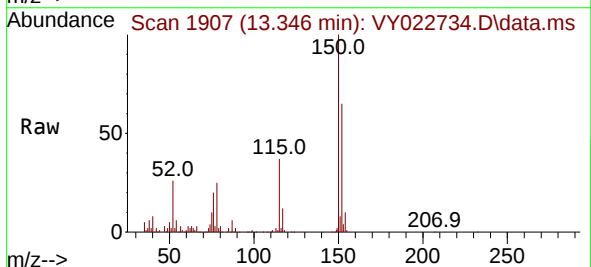
Tgt Ion:152 Resp: 47143

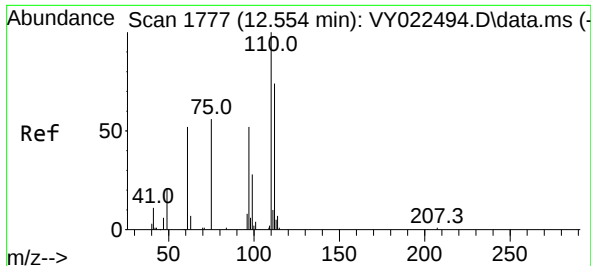
Ion Ratio Lower Upper

152 100

115 56.2 28.9 86.7

150 156.8 0.0 349.6

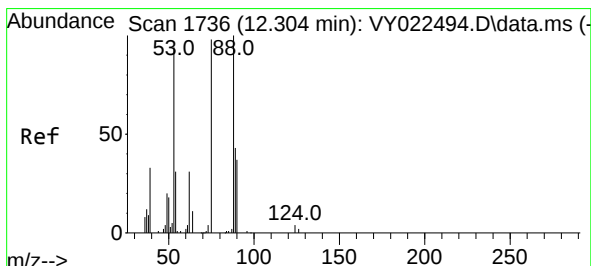
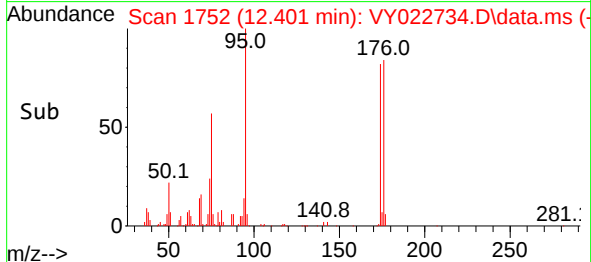
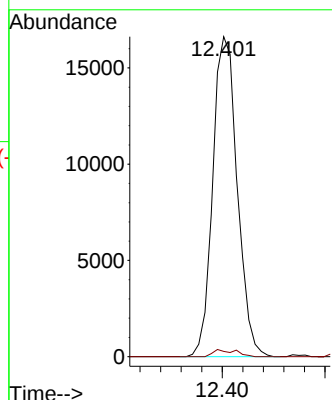
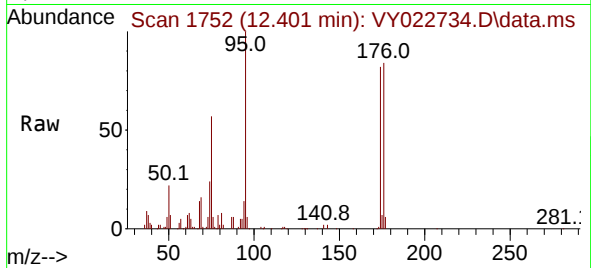




#76  
1,2,3-Trichloropropane  
Concen: 50.905 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.153 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WBR-1

Tgt Ion: 75 Resp: 27455  
Ion Ratio Lower Upper  
75 100  
77 2.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 122.934 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.097 min  
Lab File: VY022734.D  
Acq: 18 Jun 2025 12:39

Tgt Ion: 75 Resp: 27455  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.5 117.7#  
89 0.0 35.7 53.5#

