

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120325\  
 Data File : VY023873.D  
 Acq On : 03 Dec 2025 16:00  
 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 04 03:53:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 04 03:49:13 2025  
 Response via : Initial Calibration

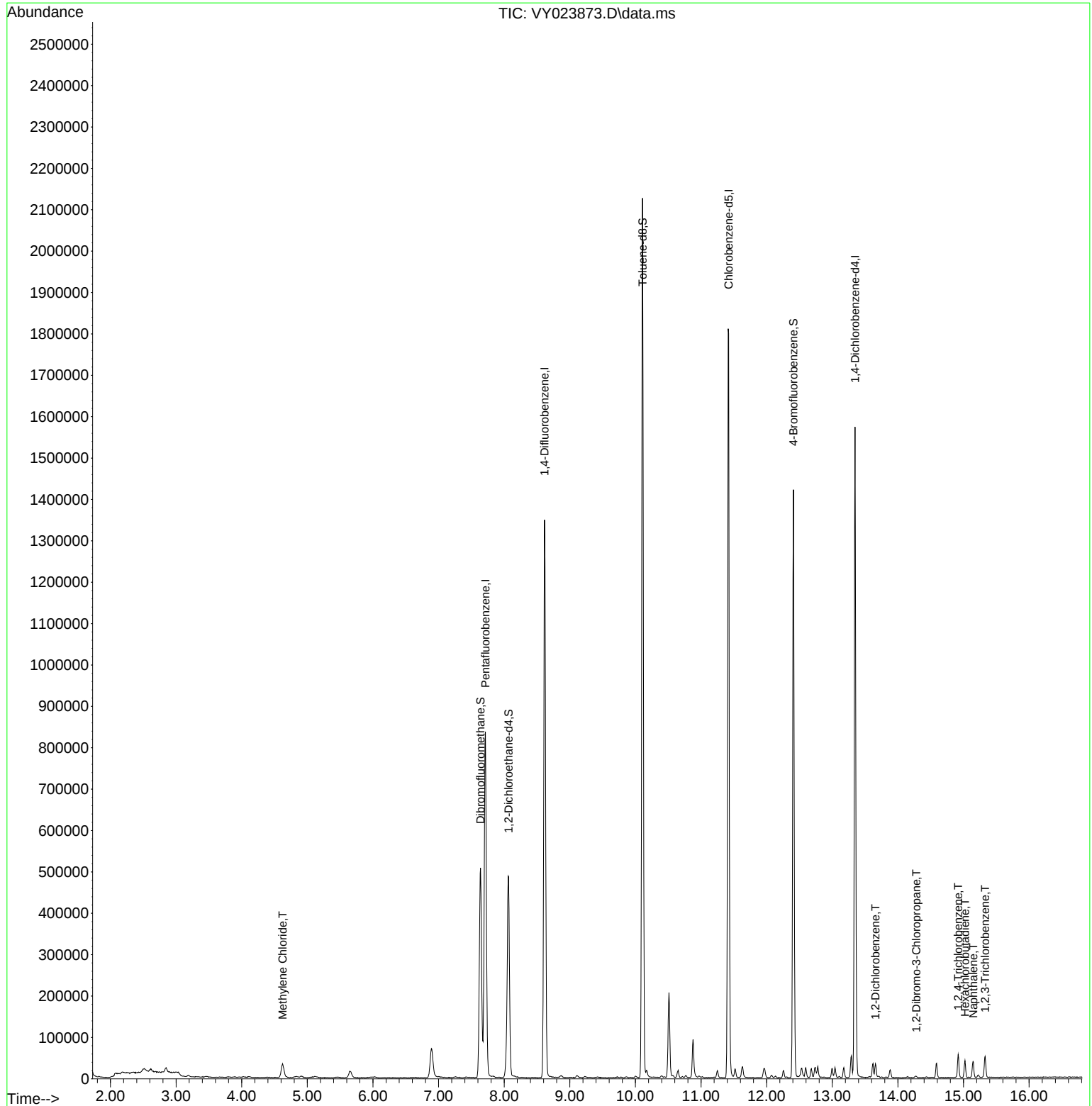
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 661009   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 1155010  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 986289   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 396384   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 371365   | 56.161   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 112.320% |
| 35) Dibromofluoromethane      | 7.640  | 113   | 366359   | 49.455   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 98.900%  |
| 50) Toluene-d8                | 10.109 | 98    | 1361568  | 47.232   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 94.460%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 399596   | 40.641   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 81.280%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride        | 4.622  | 84    | 24476    | 1.622    | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146   | 13160    | 1.107    | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75    | 1213     | 1.637    | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180   | 16643    | 2.362    | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.023 | 225   | 6847     | 1.549    | ug/l   | 93       |
| 95) Naphthalene               | 15.151 | 128   | 33559    | 2.890    | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180   | 16636    | 2.767    | ug/l   | 98       |
| -----                         |        |       |          |          |        |          |

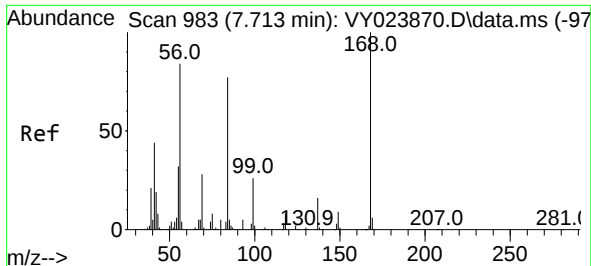
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120325S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 04 03:49:13 2025  
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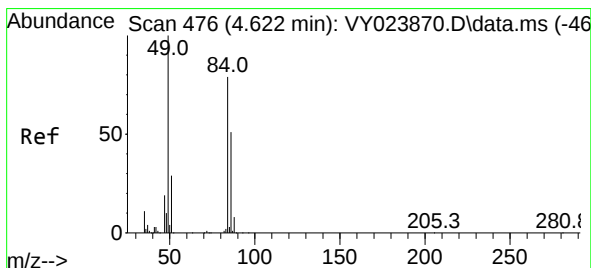
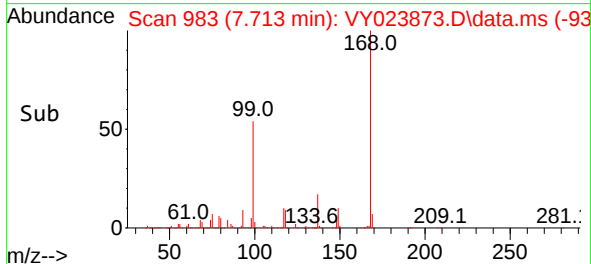
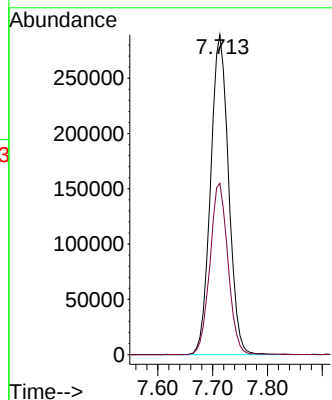
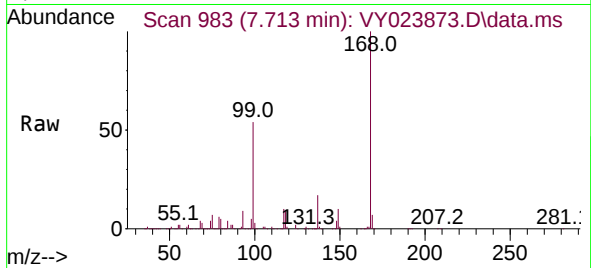




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

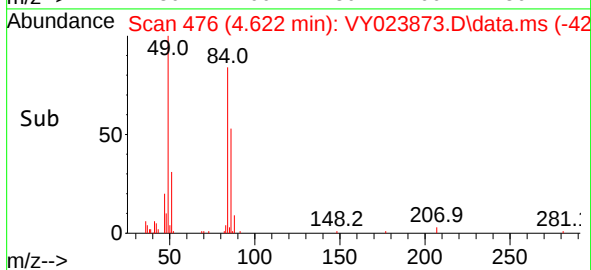
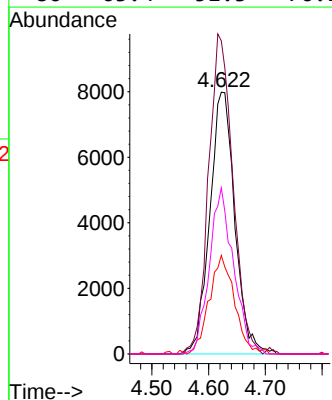
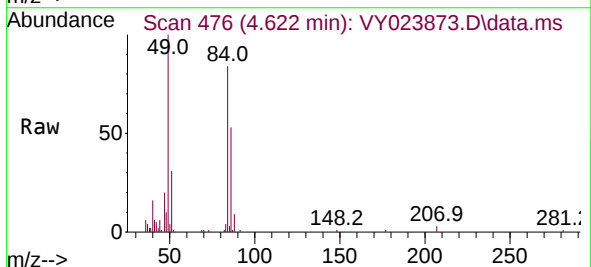
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

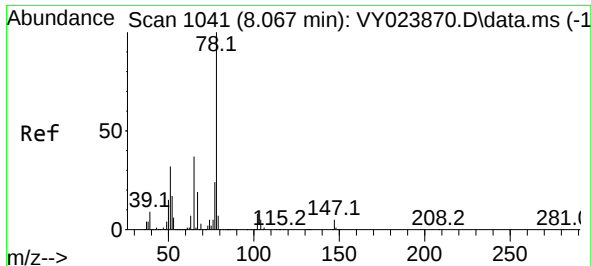
Tgt Ion:168 Resp: 661009  
Ion Ratio Lower Upper  
168 100  
99 53.5 42.5 63.7



#20  
Methylene Chloride  
Concen: 1.622 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

Tgt Ion: 84 Resp: 24476  
Ion Ratio Lower Upper  
84 100  
49 119.6 100.6 151.0  
51 37.7 29.0 43.6  
86 63.4 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 56.161 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

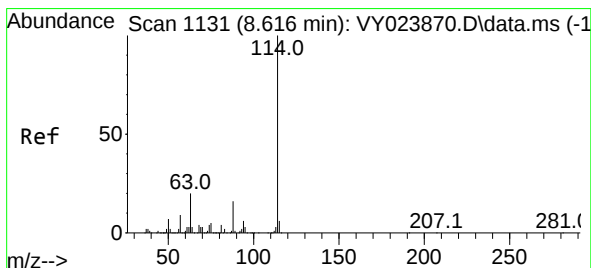
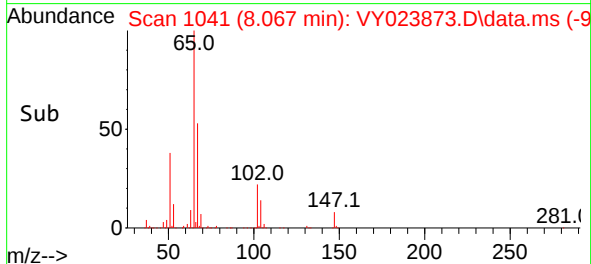
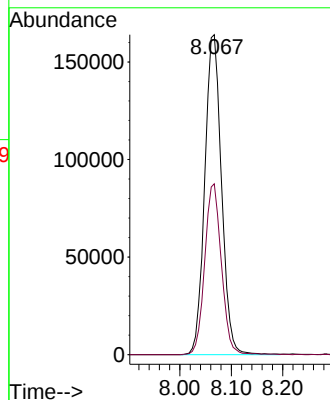
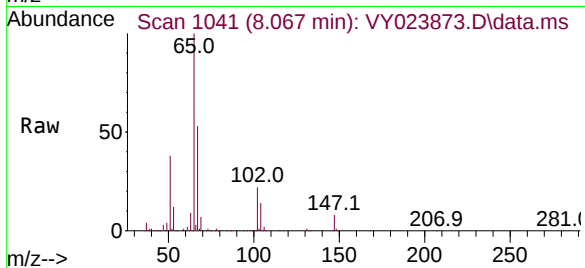
VIBLK

Tgt Ion: 65 Resp: 371365

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

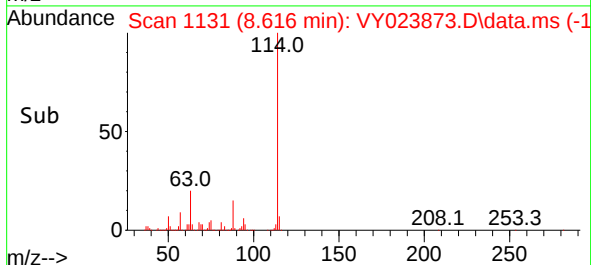
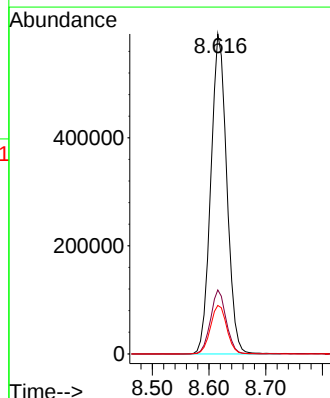
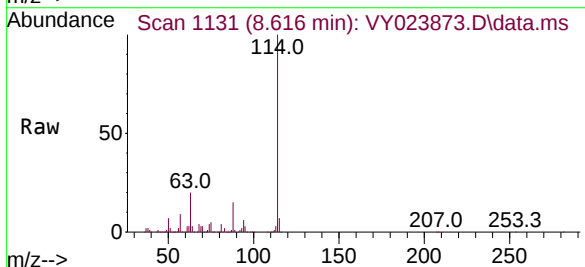
Tgt Ion: 114 Resp: 1155010

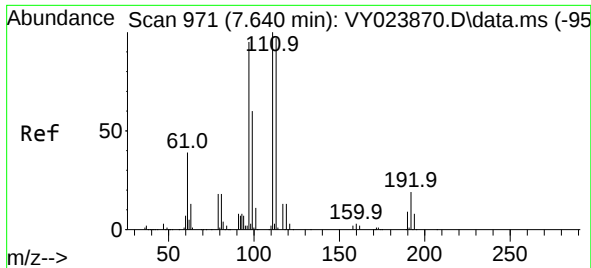
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 15.1 0.0 31.4

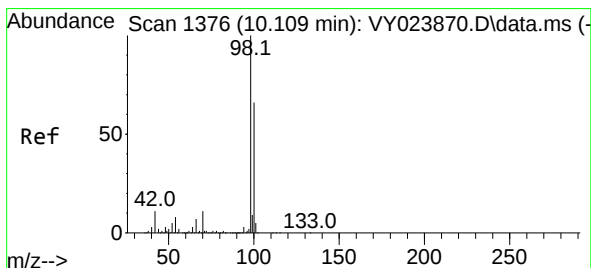
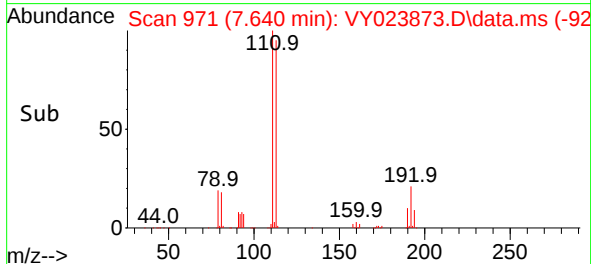
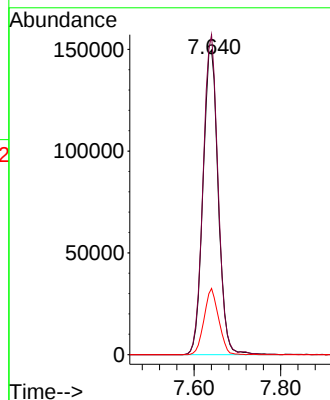
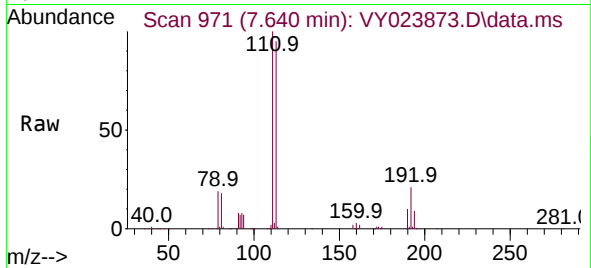




#35  
Dibromofluoromethane  
Concen: 49.455 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

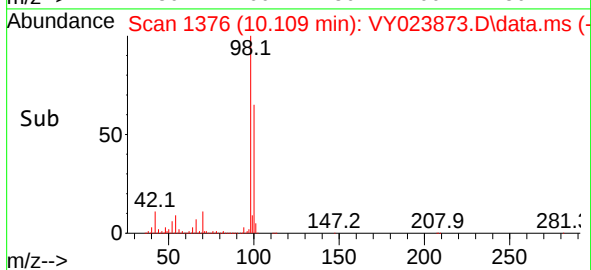
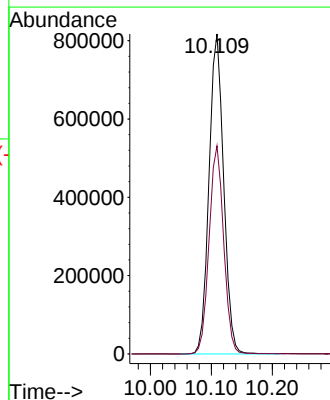
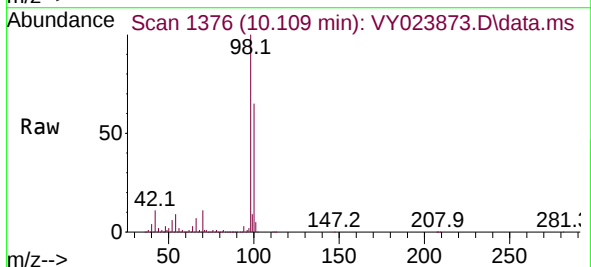
Instrument :  
MSVOA\_Y  
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VIBLK

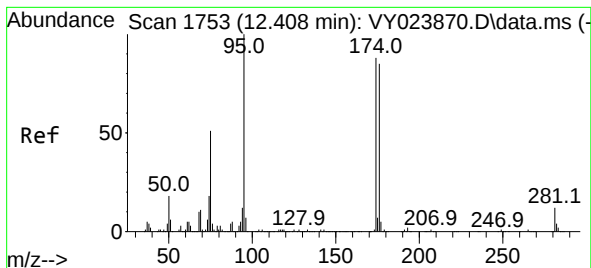
Tgt Ion:113 Resp: 366359  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.2  
192 20.7 15.8 23.8



#50  
Toluene-d8  
Concen: 47.232 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

Tgt Ion: 98 Resp: 1361568  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.5 78.7

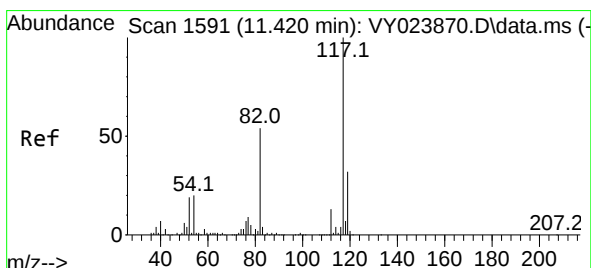
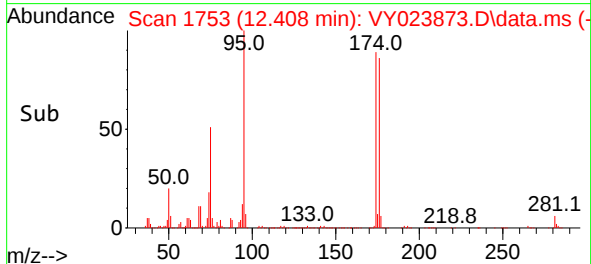
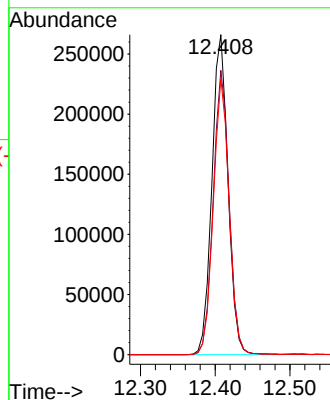
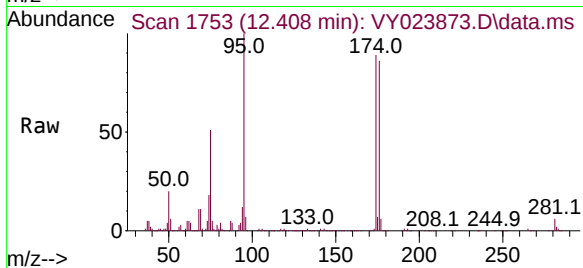




#62  
4-Bromofluorobenzene  
Concen: 40.641 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

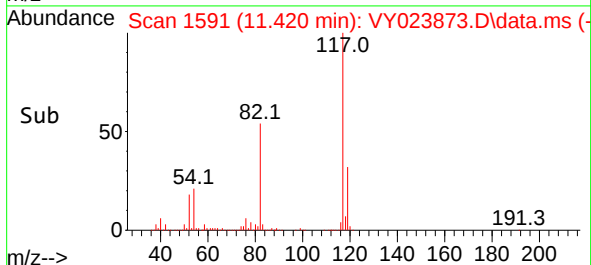
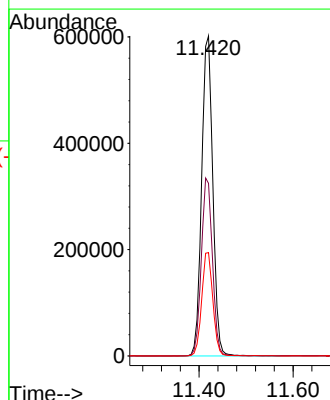
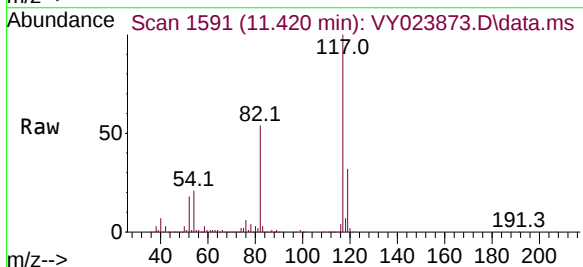
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

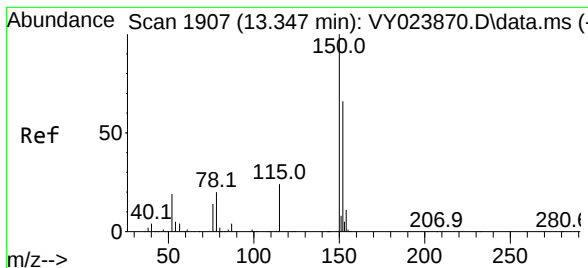
Tgt Ion: 95 Resp: 399596  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 169.6  
176 84.4 0.0 164.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

Tgt Ion: 117 Resp: 986289  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.1 64.7  
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

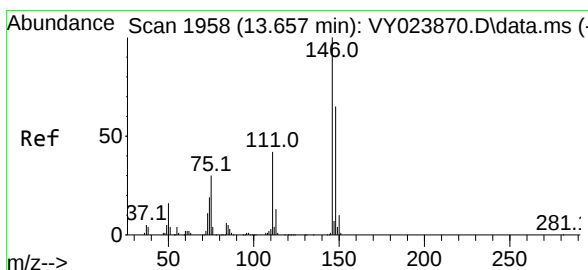
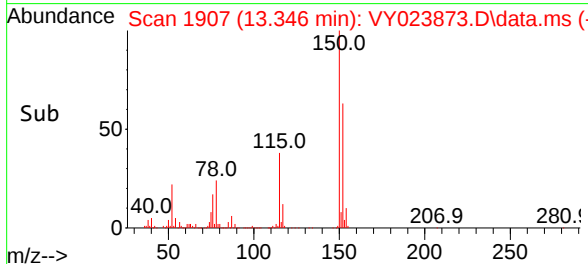
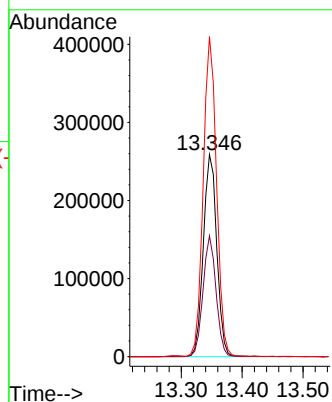
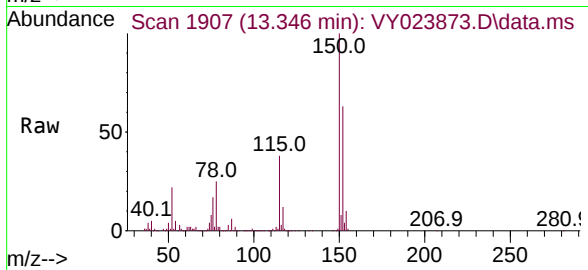
Tgt Ion:152 Resp: 396384

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.4

150 156.1 0.0 352.2



#91

1,2-Dichlorobenzene

Concen: 1.107 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

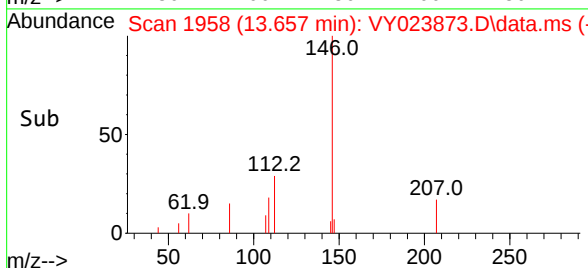
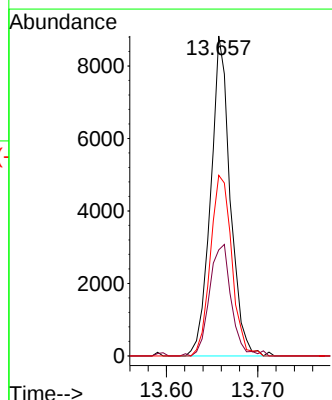
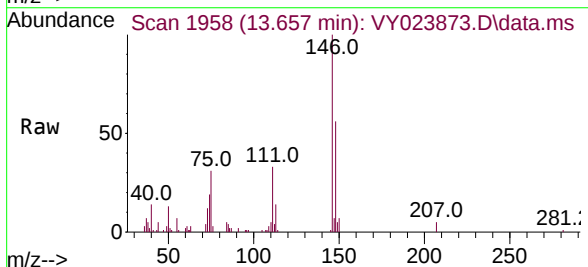
Tgt Ion:146 Resp: 13160

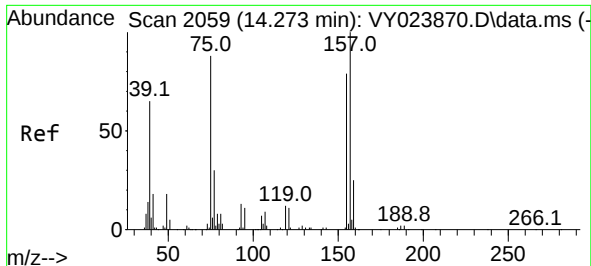
Ion Ratio Lower Upper

146 100

111 38.7 20.4 61.3

148 61.7 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.637 ug/l

RT: 14.279 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

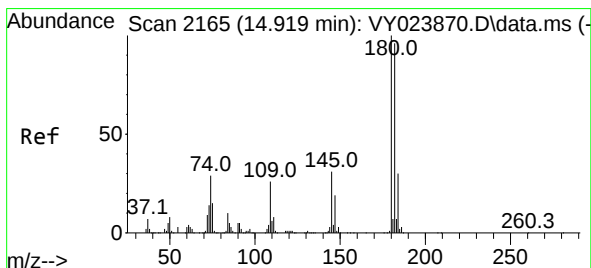
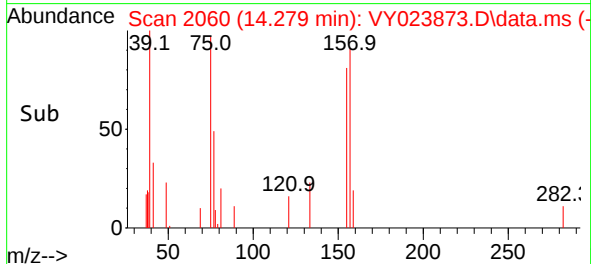
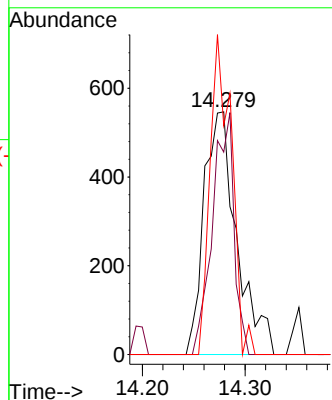
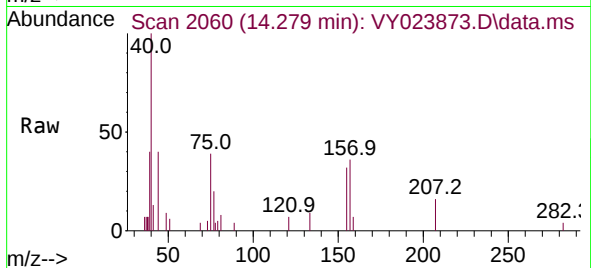
Tgt Ion: 75 Resp: 1213

Ion Ratio Lower Upper

75 100

155 65.3 44.4 133.2

157 86.0 57.5 172.3



#93

1,2,4-Trichlorobenzene

Concen: 2.362 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023873.D

Acq: 03 Dec 2025 16:00

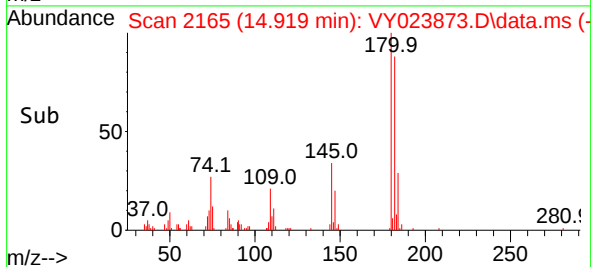
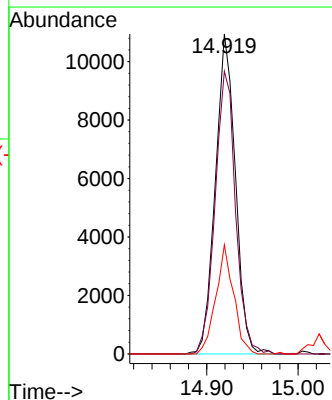
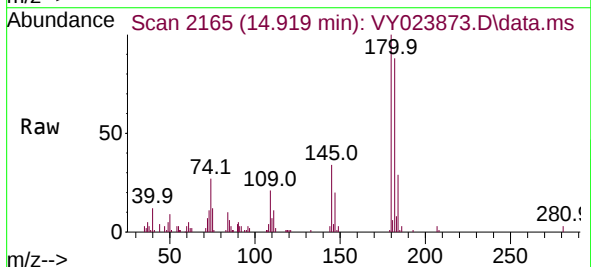
Tgt Ion: 180 Resp: 16643

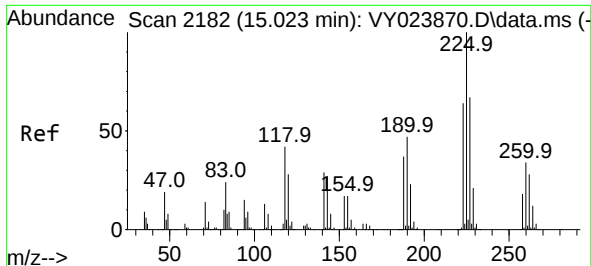
Ion Ratio Lower Upper

180 100

182 90.4 47.4 142.3

145 30.4 15.2 45.5

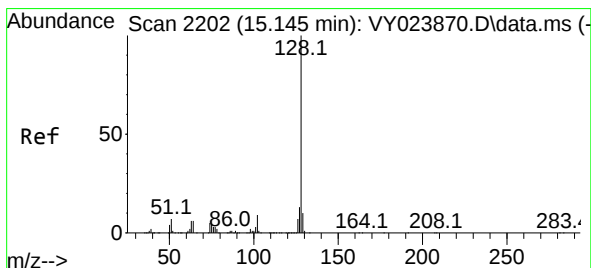
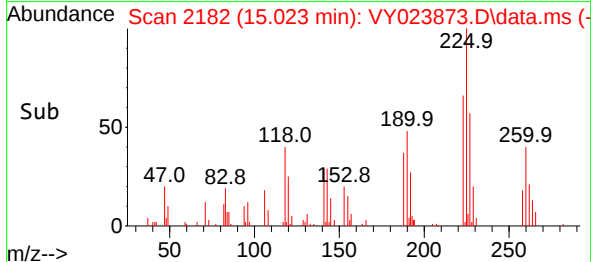
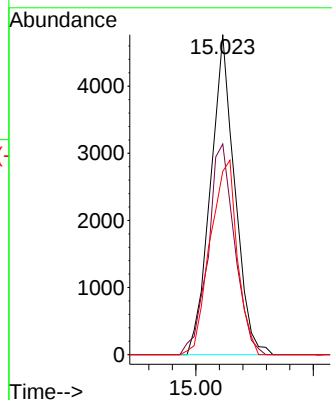
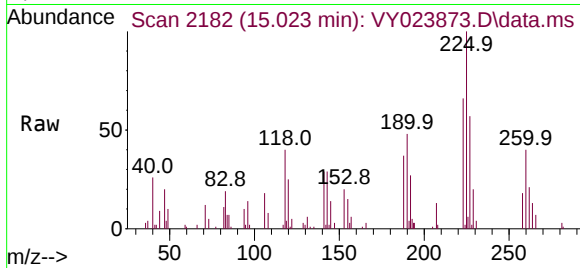




#94  
Hexachlorobutadiene  
Concen: 1.549 ug/l  
RT: 15.023 min Scan# 2182  
Delta R.T. -0.000 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

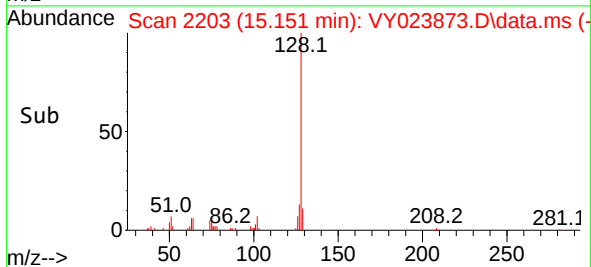
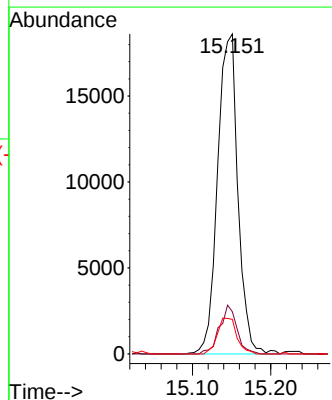
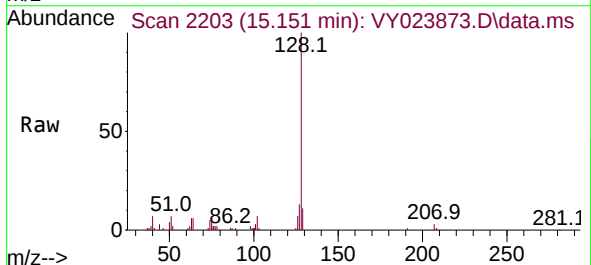
Instrument :  
MSVOA\_Y  
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VIBLK

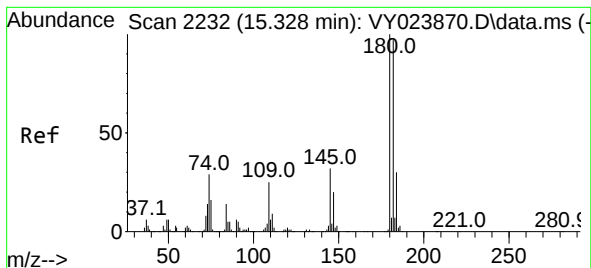
Tgt Ion:225 Resp: 6847  
Ion Ratio Lower Upper  
225 100  
223 71.7 31.6 95.0  
227 67.7 32.6 97.8



#95  
Naphthalene  
Concen: 2.890 ug/l  
RT: 15.151 min Scan# 2203  
Delta R.T. 0.006 min  
Lab File: VY023873.D  
Acq: 03 Dec 2025 16:00

Tgt Ion:128 Resp: 33559  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 10.7 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.767 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY023873.D

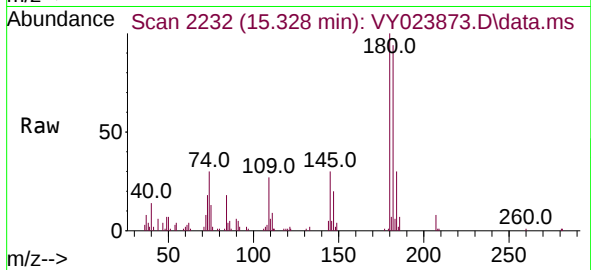
Acq: 03 Dec 2025 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 16636

Ion Ratio Lower Upper

180 100

182 91.7 46.9 140.8

145 31.4 15.7 47.1

