

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY063025\  
 Data File : VY022873.D  
 Acq On : 30 Jun 2025 11:39  
 Operator : SY/MD  
 Sample : VY0630SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0630SBL01

Quant Time: Jul 01 03:34:39 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 371114   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 672085   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 635637   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 274914   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 182916   | 44.161   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 88.320%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 204913   | 50.134   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.260% |
| 50) Toluene-d8              | 10.103 | 98    | 799901   | 49.319   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.640%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 282612   | 54.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 108.400% |

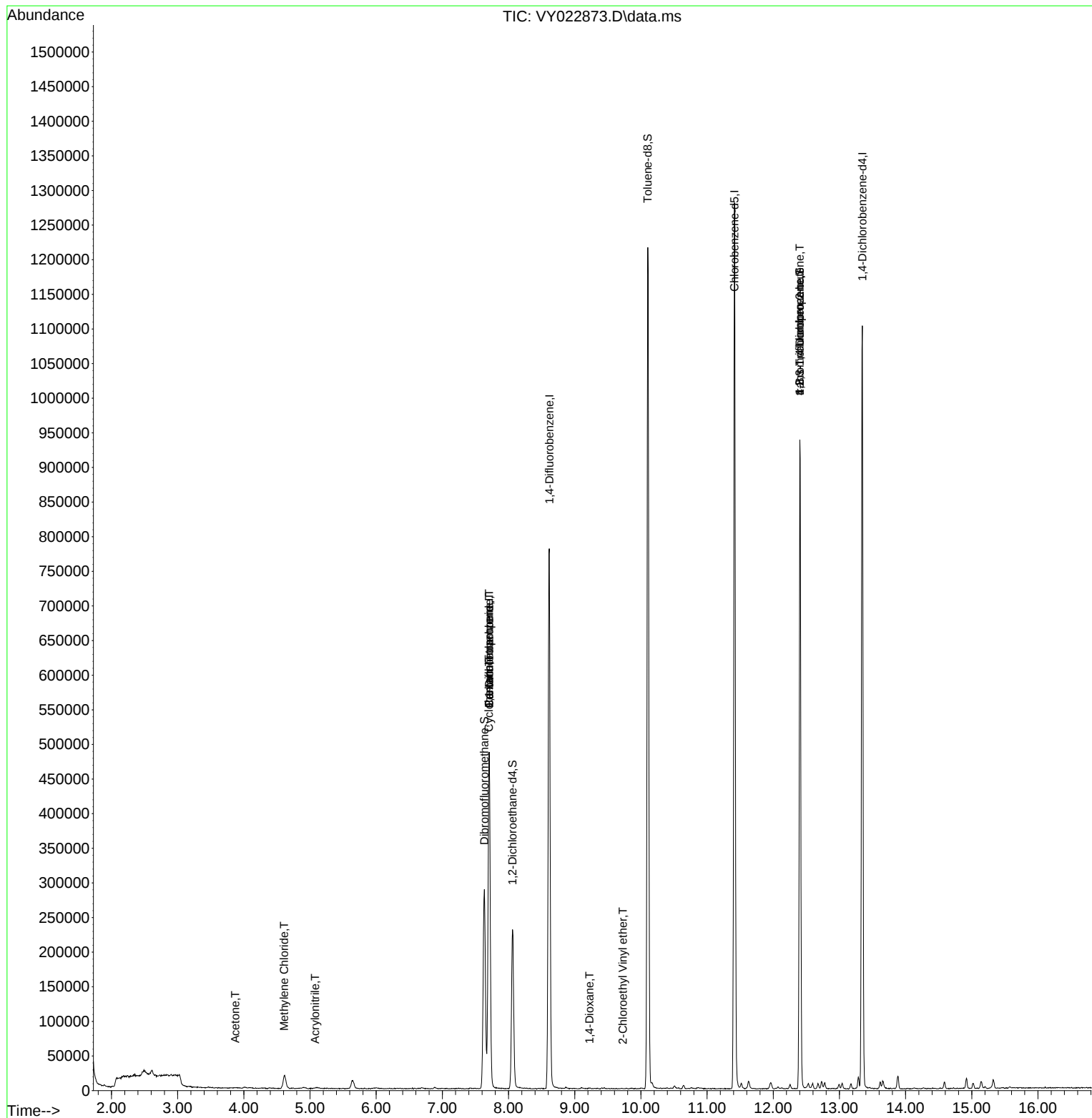
| Target Compounds              |        |     |        |         | Qvalue |     |
|-------------------------------|--------|-----|--------|---------|--------|-----|
| 15) Acrylonitrile             | 5.080  | 53  | 933    | 1.080   | ug/l   | 94  |
| 16) Acetone                   | 3.872  | 43  | 1668   | 2.131   | ug/l # | 75  |
| 20) Methylene Chloride        | 4.610  | 84  | 13615  | 2.754   | ug/l   | 88  |
| 31) Cyclohexane               | 7.701  | 56  | 8980   | 1.262   | ug/l # | 18  |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 31407  | 5.069   | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 37655  | 5.760   | ug/l # | 18  |
| 49) 1,4-Dioxane               | 9.225  | 88  | 72     | 2.408   | ug/l # | 18  |
| 58) 2-Chloroethyl Vinyl ether | 9.725  | 63  | 208    | 15.739  | ug/l # | 88  |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75  | 156485 | 55.755  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75  | 156485 | 140.860 | ug/l # | 10  |

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

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Time: Jul 01 03:34:39 2025  
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Quant Title : SW846 8260  
QLast Update : Tue Jun 24 08:29:52 2025  
Response via : Initial Calibration

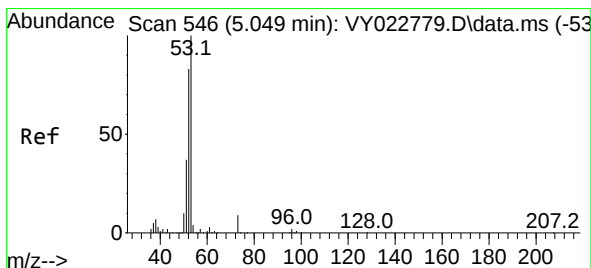
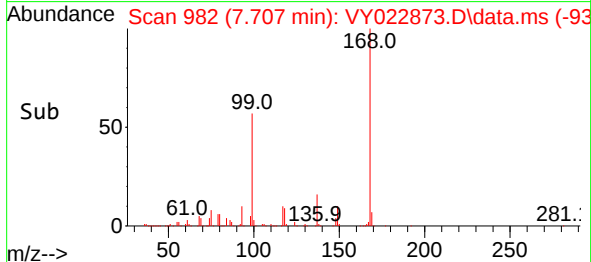
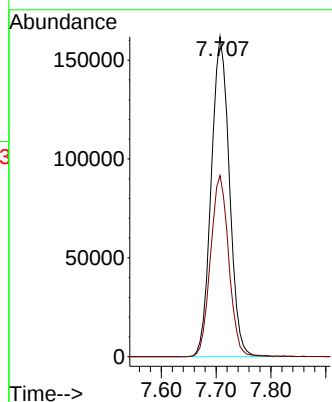
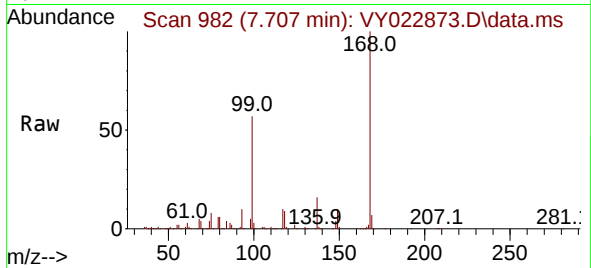




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

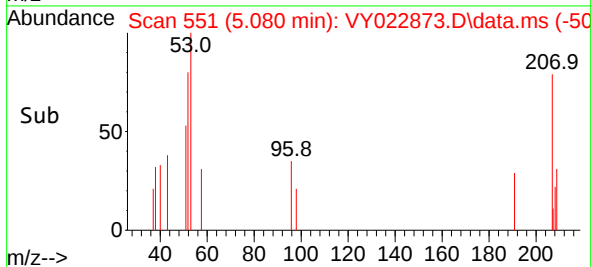
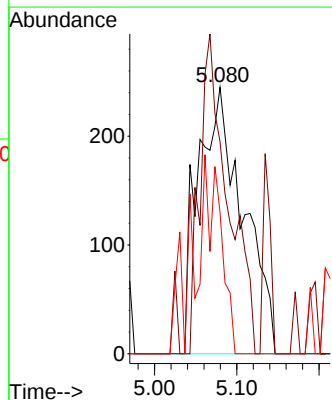
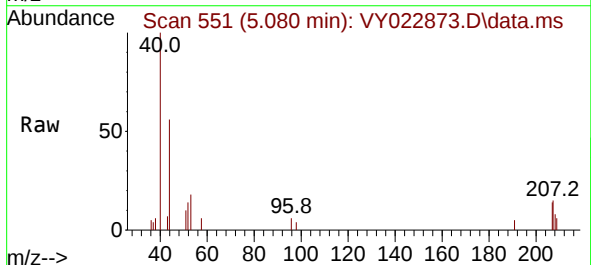
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MSVOA\_Y  
ClientSampleId :  
VY0630SBL01

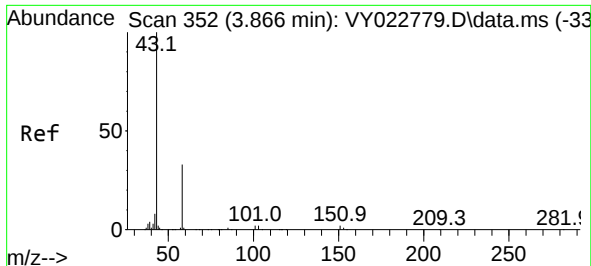
Tgt Ion:168 Resp: 371114  
Ion Ratio Lower Upper  
168 100  
99 56.6 44.3 66.5



#15  
Acrylonitrile  
Concen: 1.080 ug/l  
RT: 5.080 min Scan# 551  
Delta R.T. 0.012 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

Tgt Ion: 53 Resp: 933  
Ion Ratio Lower Upper  
53 100  
52 74.5 65.7 98.5  
51 37.7 30.1 45.1

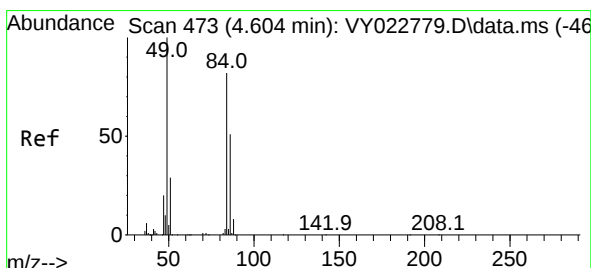
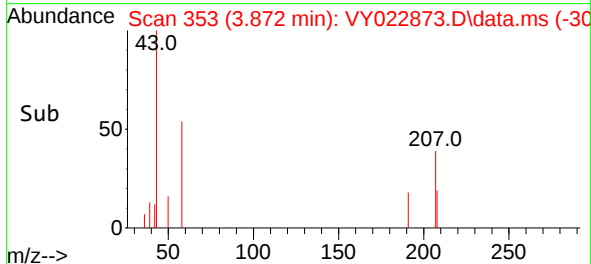
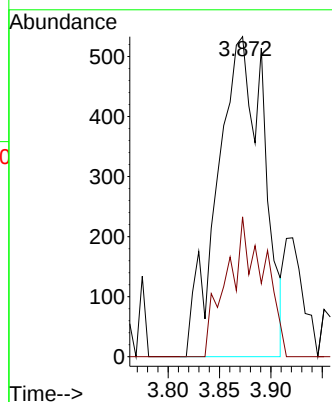
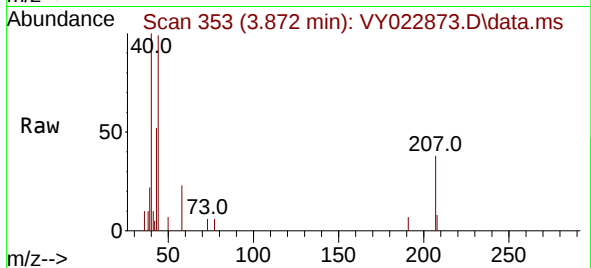




#16  
Acetone  
Concen: 2.131 ug/l  
RT: 3.872 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

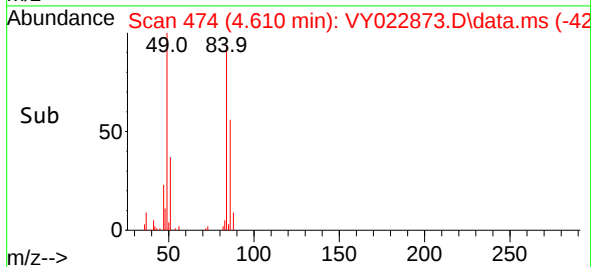
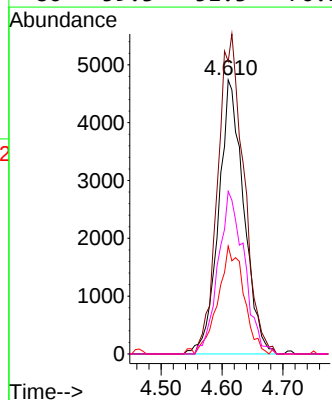
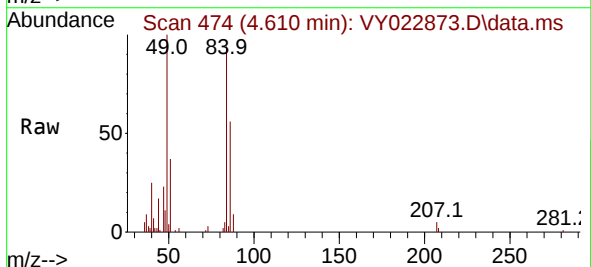
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0630SBL01

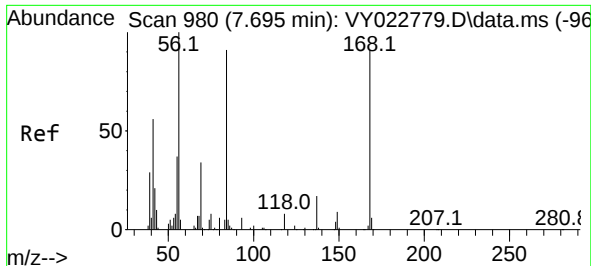
Tgt Ion: 43 Resp: 1668  
Ion Ratio Lower Upper  
43 100  
58 43.7 24.0 36.0#



#20  
Methylene Chloride  
Concen: 2.754 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.012 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

Tgt Ion: 84 Resp: 13615  
Ion Ratio Lower Upper  
84 100  
49 106.7 101.9 152.9  
51 39.3 29.8 44.8  
86 59.3 51.3 76.9

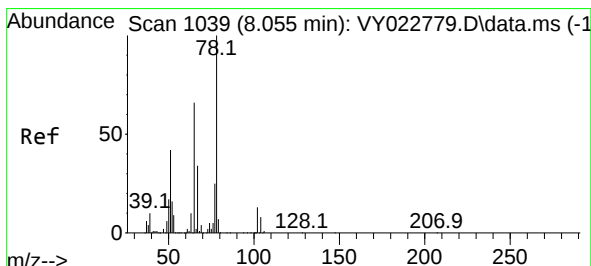
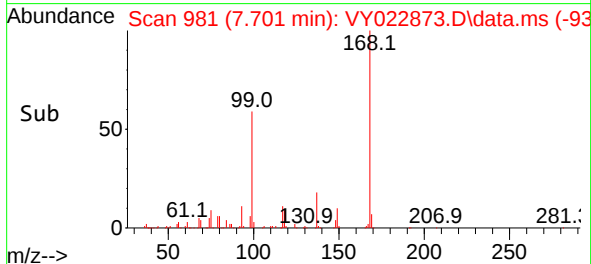
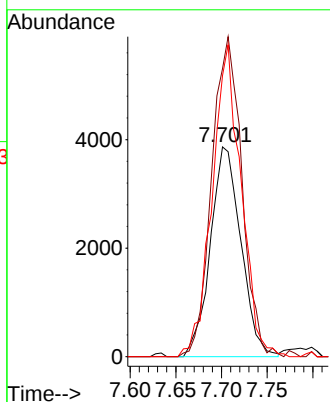
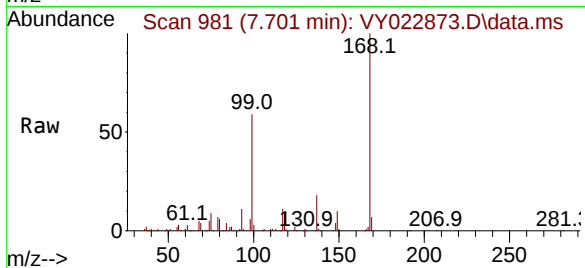




#31  
Cyclohexane  
Concen: 1.262 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

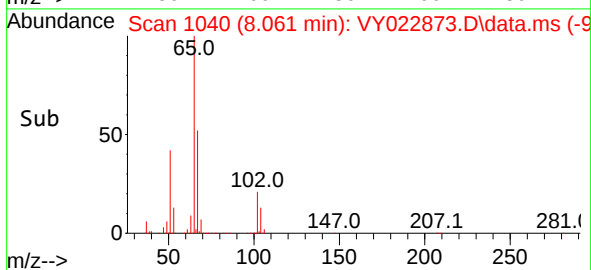
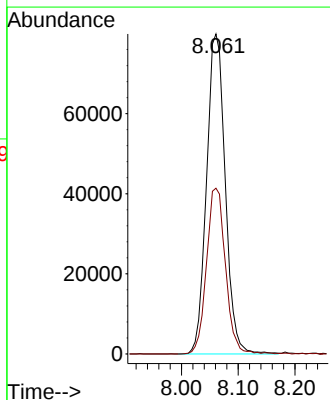
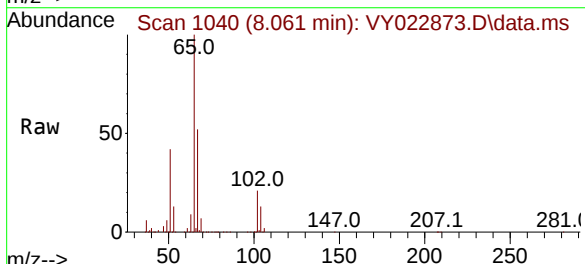
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0630SBL01

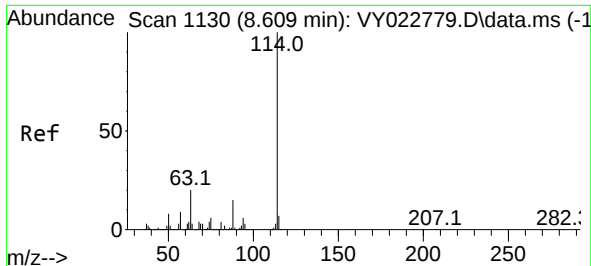
Tgt Ion: 56 Resp: 8980  
Ion Ratio Lower Upper  
56 100  
69 137.2 27.0 40.6#  
84 134.0 72.6 109.0#



#33  
1,2-Dichloroethane-d4  
Concen: 44.161 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

Tgt Ion: 65 Resp: 182916  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 103.4

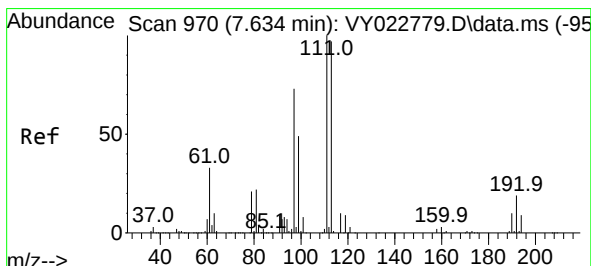
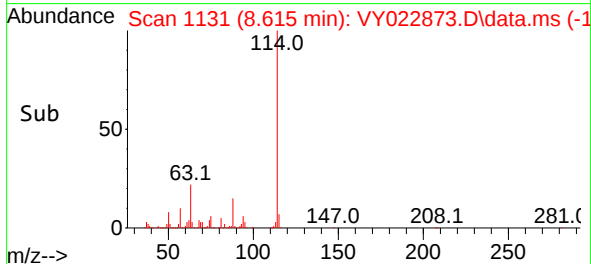
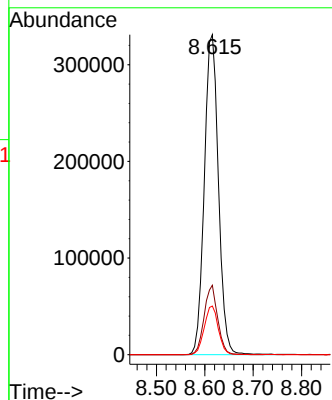
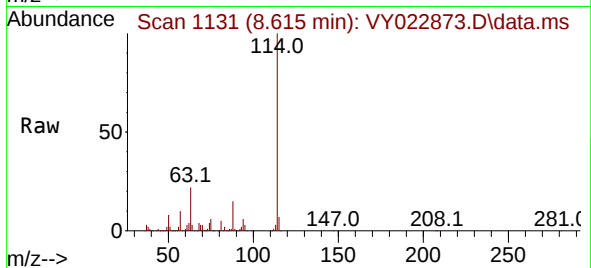




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

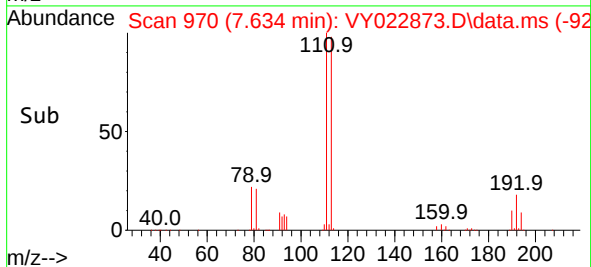
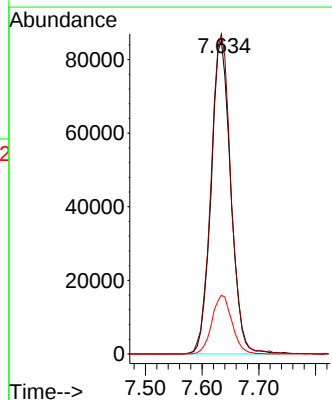
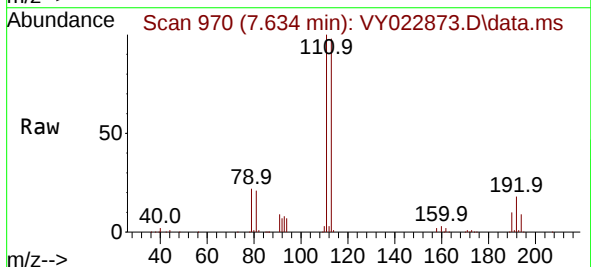
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0630SBL01

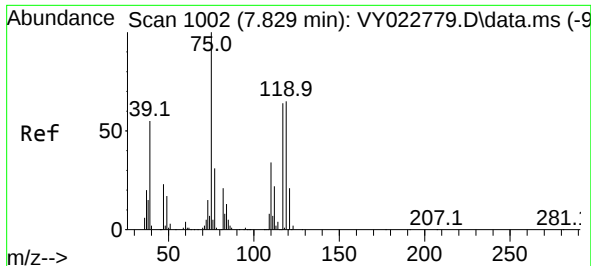
Tgt Ion:114 Resp: 672085  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 40.8  
88 15.2 0.0 27.8



#35  
Dibromofluoromethane  
Concen: 50.134 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

Tgt Ion:113 Resp: 204913  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.1 121.7  
192 19.1 14.2 21.2

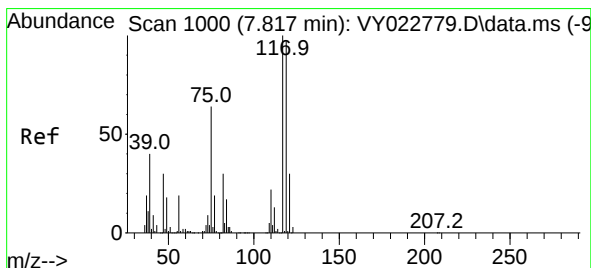
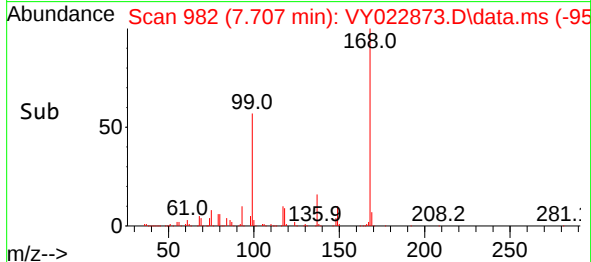
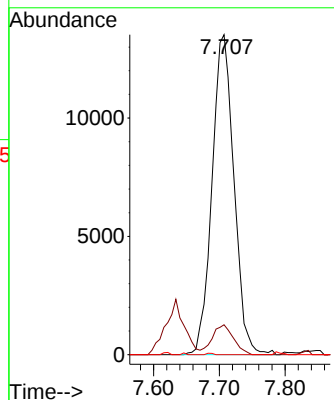
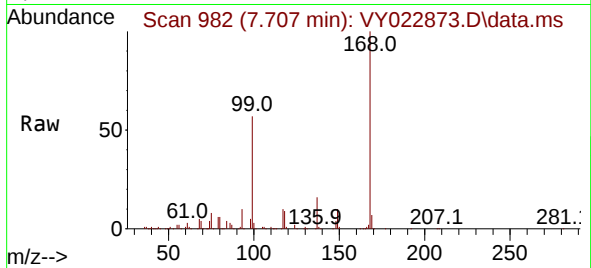




#36  
 1,1-Dichloropropene  
 Concen: 5.069 ug/l  
 RT: 7.707 min Scan# 91  
 Delta R.T. -0.134 min  
 Lab File: VY022873.D  
 Acq: 30 Jun 2025 11:39

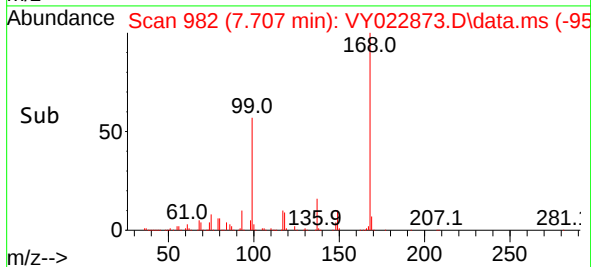
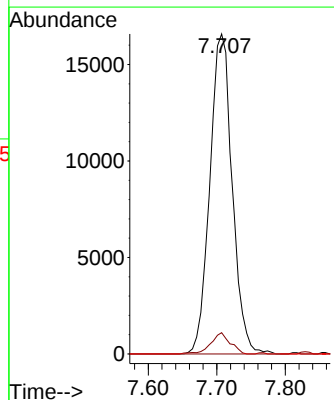
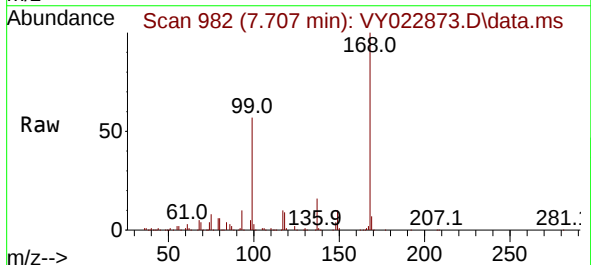
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0630SBL01

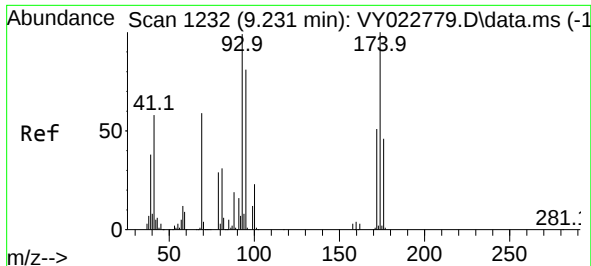
Tgt Ion: 75 Resp: 31407  
 Ion Ratio Lower Upper  
 75 100  
 110 9.1 16.9 50.7#  
 77 0.0 24.8 37.2#



#38  
 Carbon Tetrachloride  
 Concen: 5.760 ug/l  
 RT: 7.707 min Scan# 982  
 Delta R.T. -0.116 min  
 Lab File: VY022873.D  
 Acq: 30 Jun 2025 11:39

Tgt Ion: 117 Resp: 37655  
 Ion Ratio Lower Upper  
 117 100  
 119 6.6 75.0 112.6#  
 121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 2.408 ug/l

RT: 9.225 min Scan# 1232

Delta R.T. -0.019 min

Lab File: VY022873.D

Acq: 30 Jun 2025 11:39

Instrument :

MSVOA\_Y

ClientSampleId :

VY0630SBL01

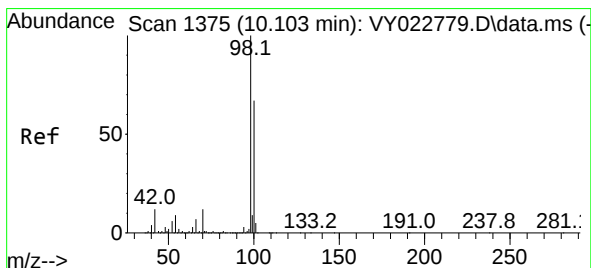
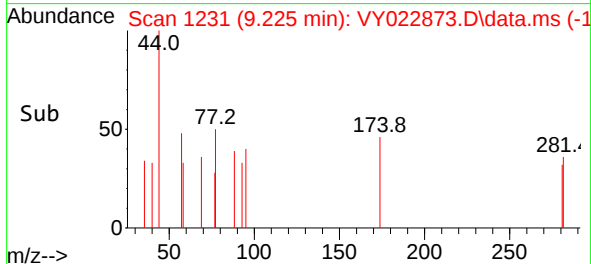
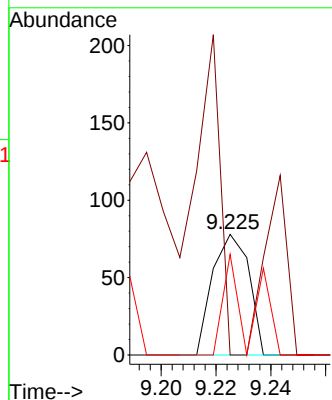
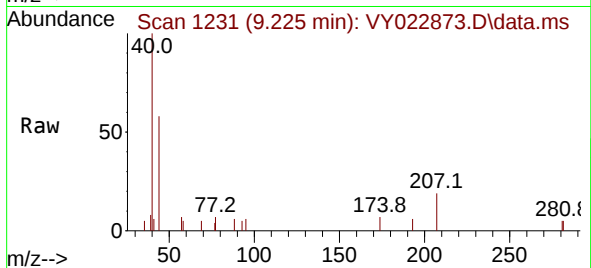
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 165.3 25.4 38.2#

58 61.1 54.9 82.3



#50

Toluene-d8

Concen: 49.319 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022873.D

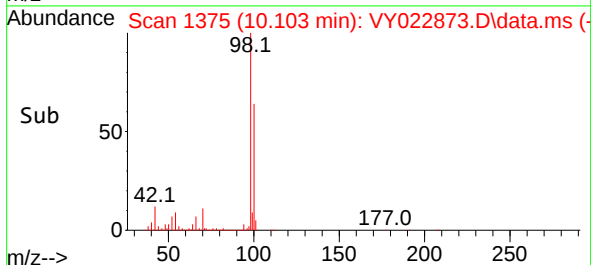
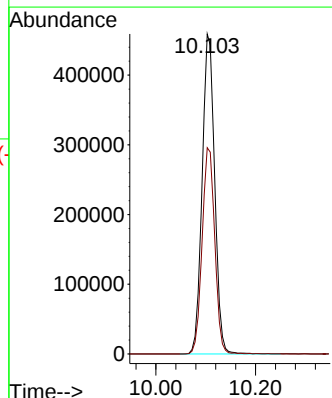
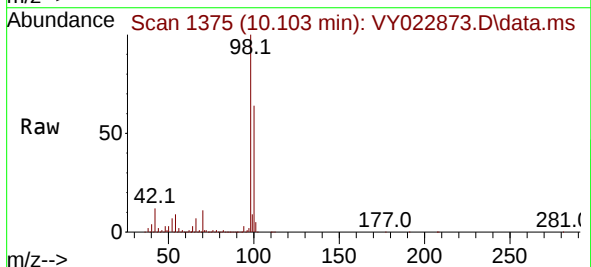
Acq: 30 Jun 2025 11:39

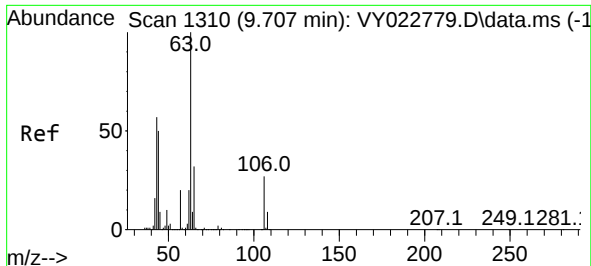
Tgt Ion: 98 Resp: 799901

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

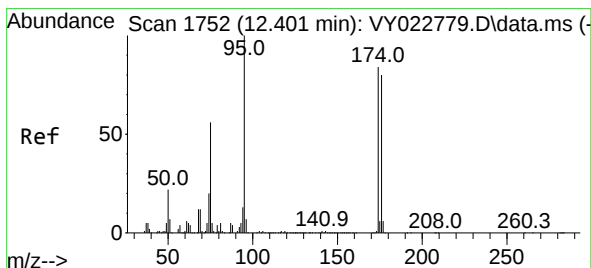
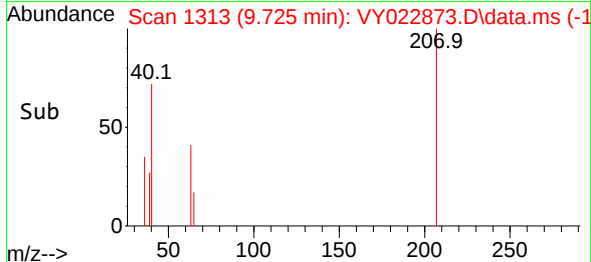
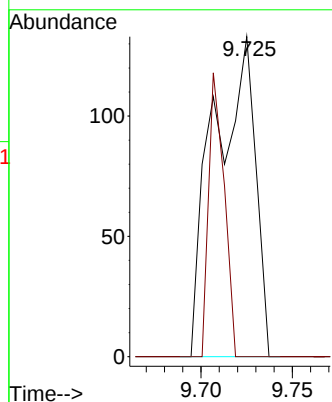
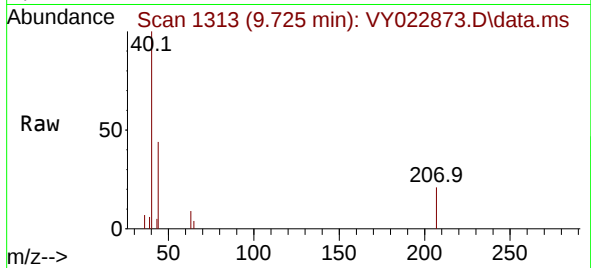




#58  
2-Chloroethyl Vinyl ether  
Concen: 15.739 ug/l  
RT: 9.725 min Scan# 1313  
Delta R.T. 0.012 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

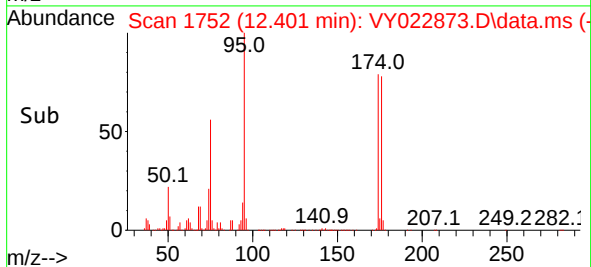
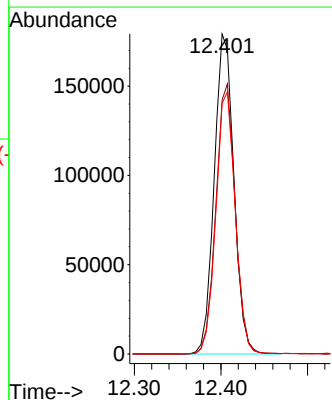
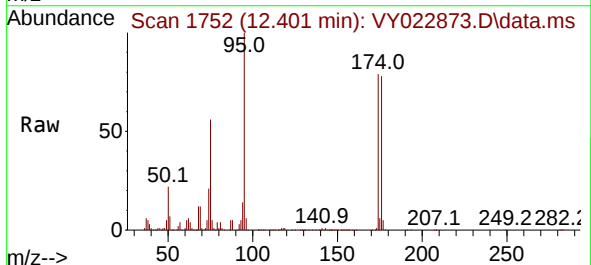
Instrument :  
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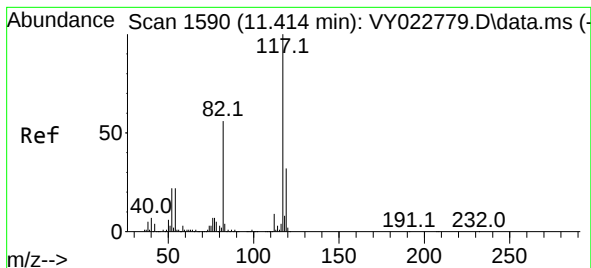
Tgt Ion: 63 Resp: 208  
Ion Ratio Lower Upper  
63 100  
106 33.2 21.6 32.4#



#62  
4-Bromofluorobenzene  
Concen: 54.204 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022873.D  
Acq: 30 Jun 2025 11:39

Tgt Ion: 95 Resp: 282612  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 170.0  
176 80.8 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: VY022873.D

Acq: 30 Jun 2025 11:39

Instrument :

MSVOA\_Y

ClientSampleId :

VY0630SBL01

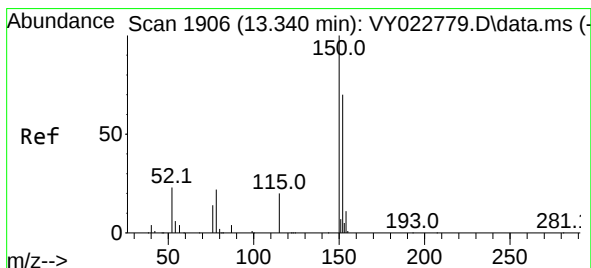
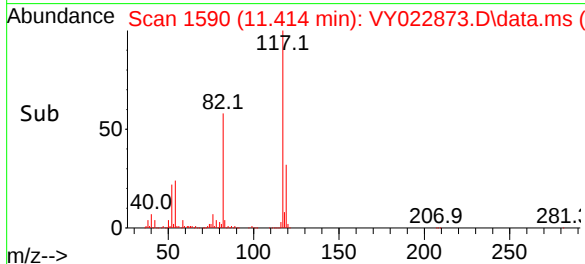
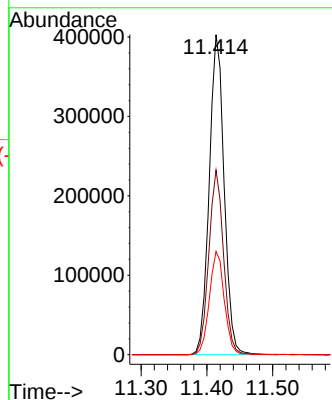
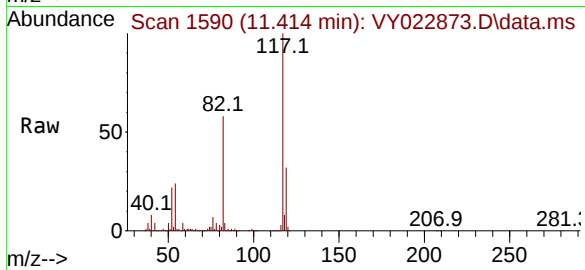
Tgt Ion:117 Resp: 635637

Ion Ratio Lower Upper

117 100

82 57.7 44.6 66.8

119 32.2 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: VY022873.D

Acq: 30 Jun 2025 11:39

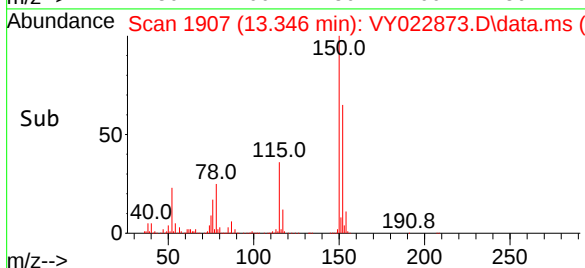
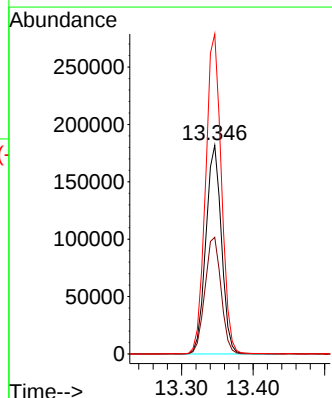
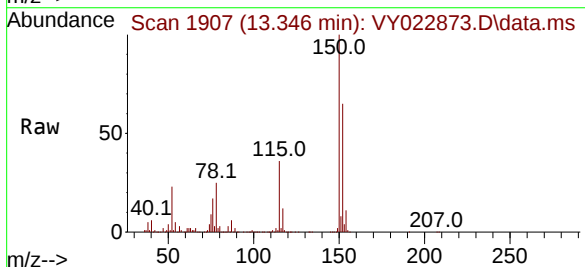
Tgt Ion:152 Resp: 274914

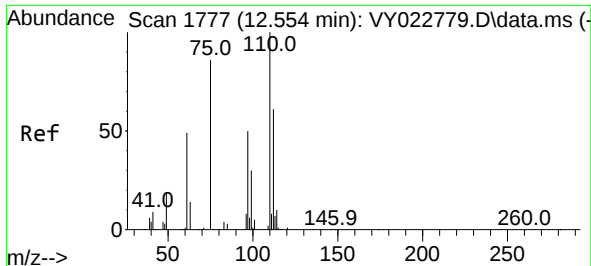
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 155.5 0.0 349.6

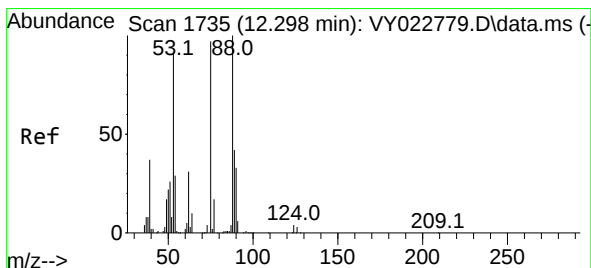
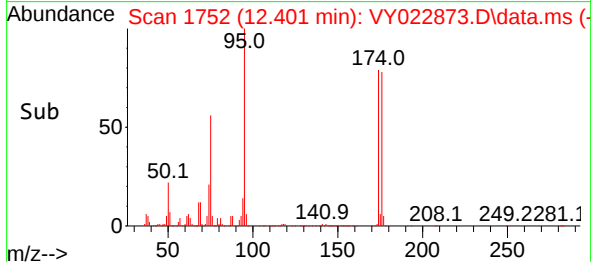
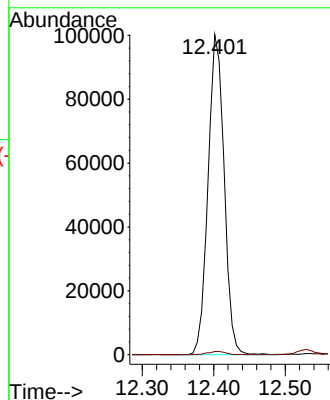
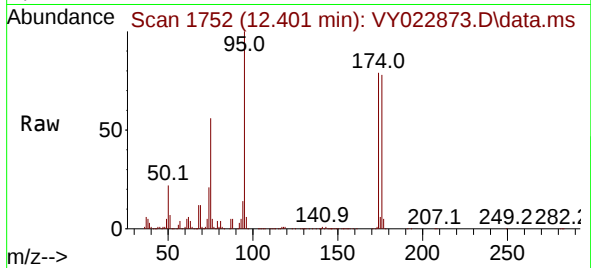




#76  
 1,2,3-Trichloropropane  
 Concen: 55.755 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. -0.153 min  
 Lab File: VY022873.D  
 Acq: 30 Jun 2025 11:39

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0630SBL01

Tgt Ion: 75 Resp: 156485  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 140.860 ug/l  
 RT: 12.401 min Scan# 1752  
 Delta R.T. 0.097 min  
 Lab File: VY022873.D  
 Acq: 30 Jun 2025 11:39

Tgt Ion: 75 Resp: 156485  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 78.5 117.7#  
 89 0.0 35.7 53.5#

