

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY063025\  
 Data File : VY022877.D  
 Acq On : 30 Jun 2025 13:32  
 Operator : SY/MD  
 Sample : Q2436-03  
 Misc : 6.77g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-85

Quant Time: Jul 01 03:37:26 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  | 372972   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 690751   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 657778   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 284435   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 189510   | 45.525   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.060%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 207873   | 49.484   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.960%  |
| 50) Toluene-d8              | 10.103 | 98    | 832363   | 49.934   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.860%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 290519   | 54.215   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 108.420% |

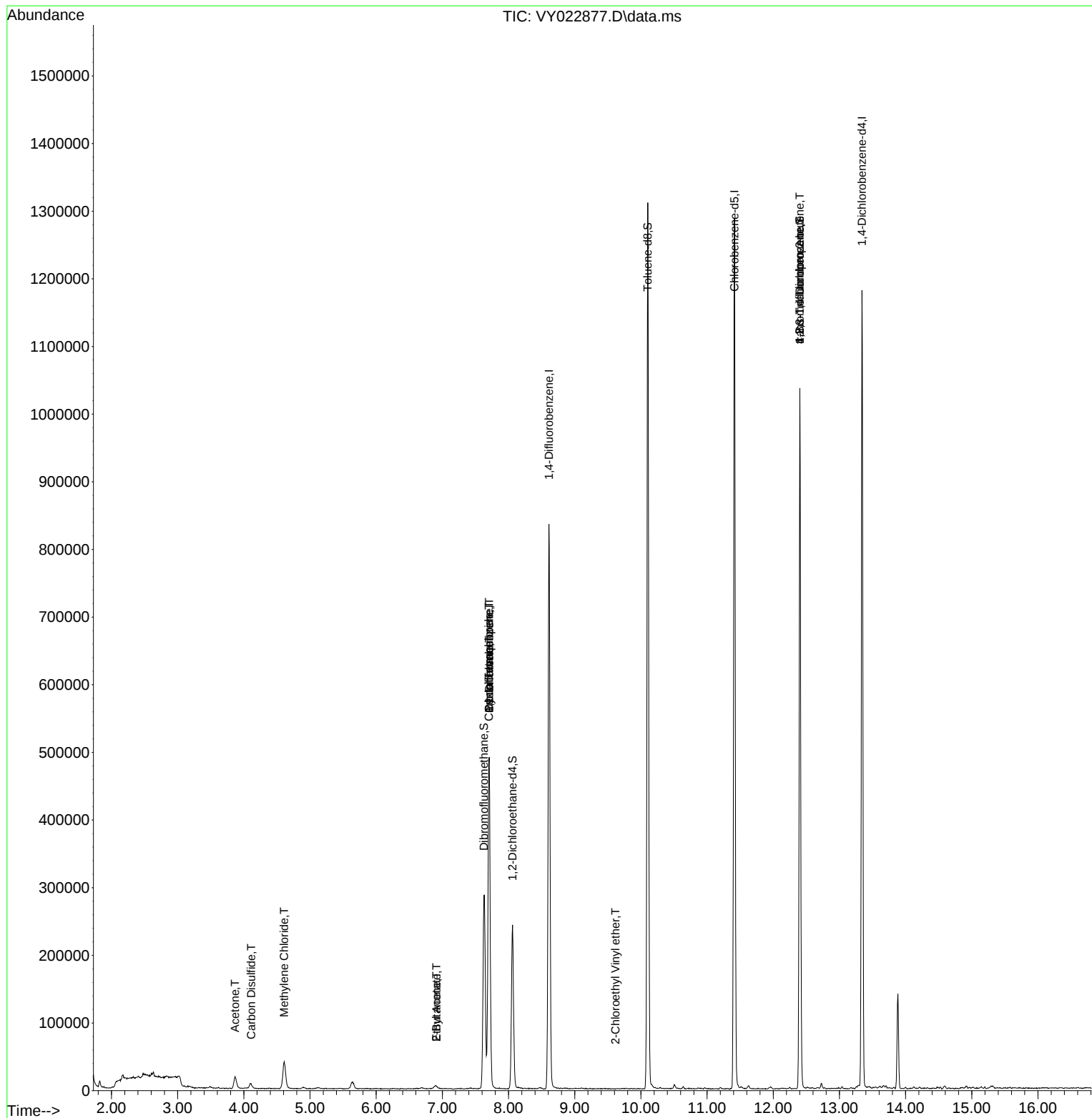
|                               |        |     |        |         |        |        |
|-------------------------------|--------|-----|--------|---------|--------|--------|
| Target Compounds              |        |     |        |         |        | Qvalue |
| 16) Acetone                   | 3.867  | 43  | 30174  | 38.351  | ug/l # | 77     |
| 17) Carbon Disulfide          | 4.110  | 76  | 13895  | 1.139   | ug/l   | 98     |
| 20) Methylene Chloride        | 4.610  | 84  | 27992  | 5.634   | ug/l   | 92     |
| 25) 2-Butanone                | 6.909  | 43  | 6811   | 5.948   | ug/l   | 98     |
| 31) Cyclohexane               | 7.707  | 56  | 9742   | 1.363   | ug/l # | 40     |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 31592  | 4.962   | ug/l # | 50     |
| 37) Ethyl Acetate             | 6.909  | 43  | 6811   | 2.479   | ug/l # | 72     |
| 38) Carbon Tetrachloride      | 7.701  | 117 | 38342  | 5.707   | ug/l # | 17     |
| 58) 2-Chloroethyl Vinyl ether | 9.616  | 63  | 21     | 15.663  | ug/l # | 48     |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75  | 161599 | 55.650  | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75  | 161599 | 140.594 | ug/l # | 11     |

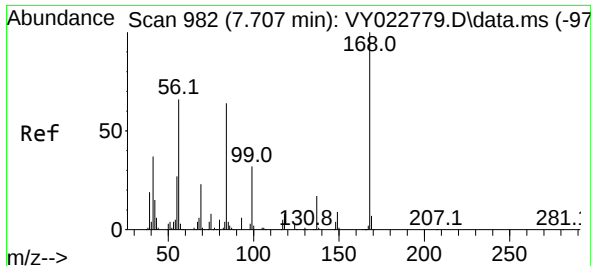
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY063025\  
Data File : VY022877.D  
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Sample : Q2436-03  
Misc : 6.77g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

Quant Time: Jul 01 03:37:26 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

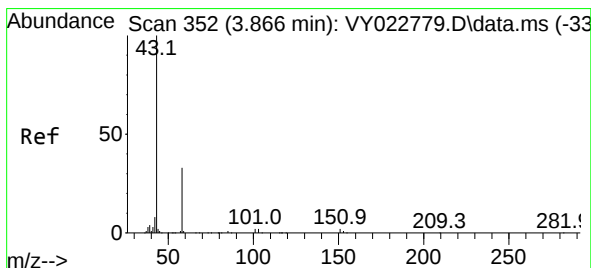
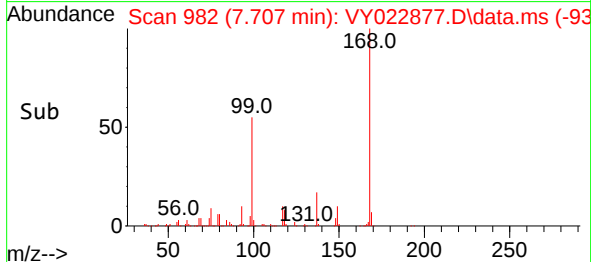
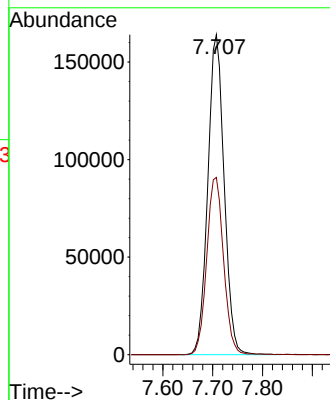
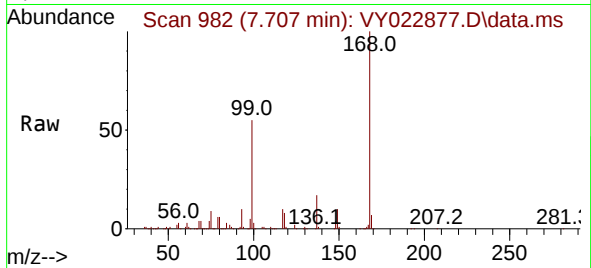




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

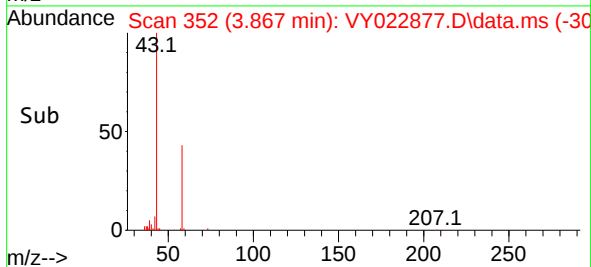
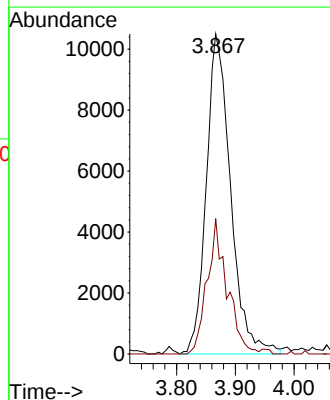
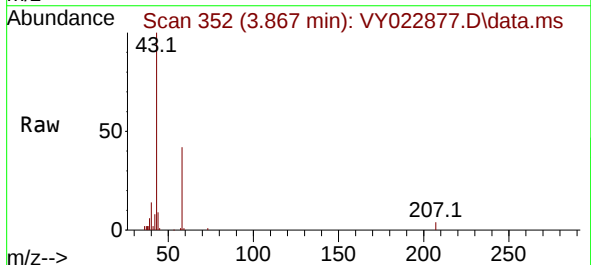
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

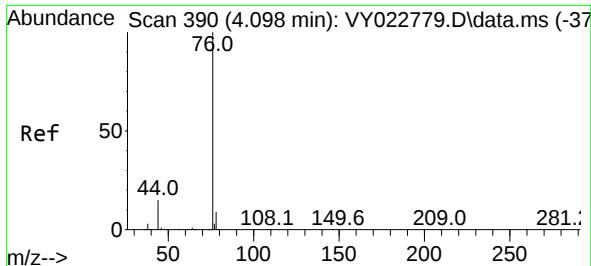
Tgt Ion:168 Resp: 372972  
Ion Ratio Lower Upper  
168 100  
99 55.4 44.3 66.5



#16  
Acetone  
Concen: 38.351 ug/l  
RT: 3.867 min Scan# 352  
Delta R.T. -0.012 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

Tgt Ion: 43 Resp: 30174  
Ion Ratio Lower Upper  
43 100  
58 42.3 24.0 36.0#

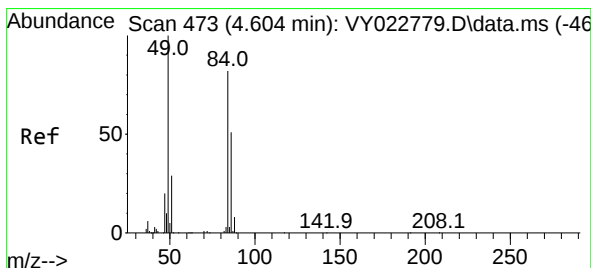
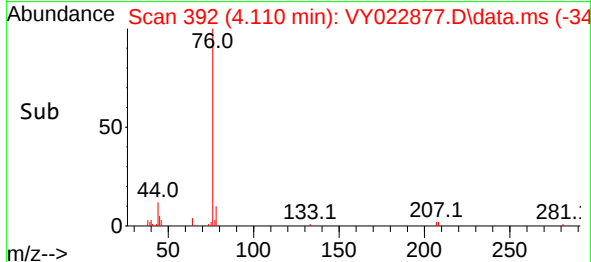
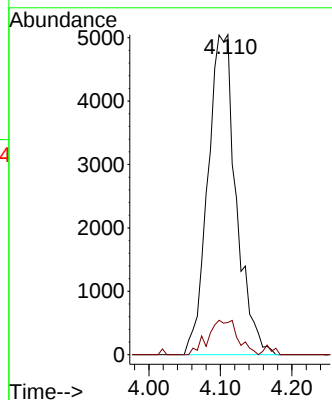
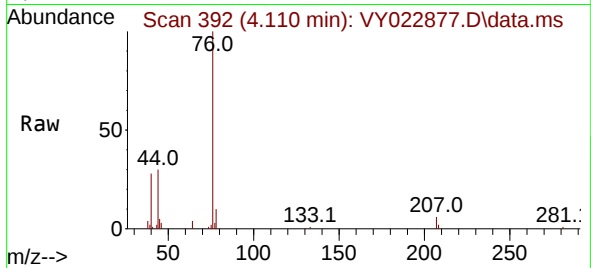




#17  
Carbon Disulfide  
Concen: 1.139 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

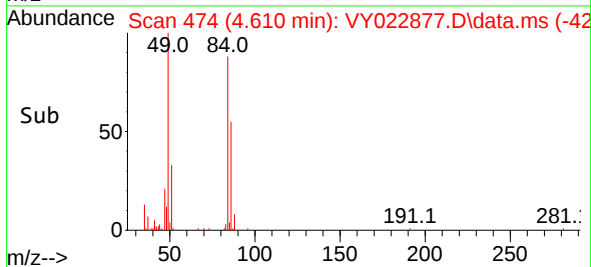
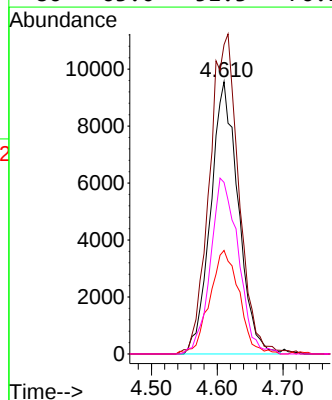
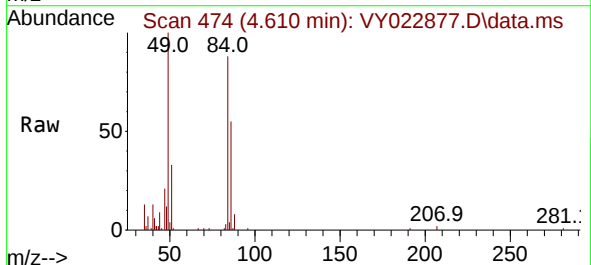
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

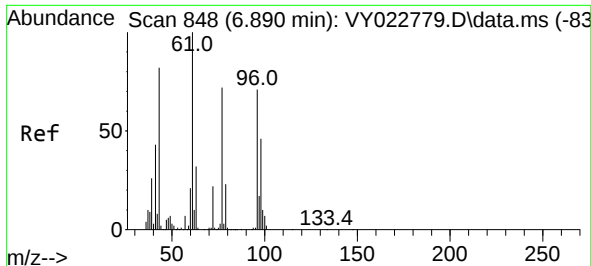
Tgt Ion: 76 Resp: 13895  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.4 11.2



#20  
Methylene Chloride  
Concen: 5.634 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.012 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

Tgt Ion: 84 Resp: 27992  
Ion Ratio Lower Upper  
84 100  
49 112.9 101.9 152.9  
51 38.0 29.8 44.8  
86 63.0 51.3 76.9





#25

2-Butanone

Concen: 5.948 ug/l

RT: 6.909 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

Instrument :

MSVOA\_Y

ClientSampleId :

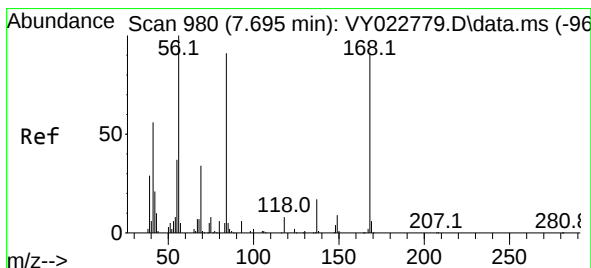
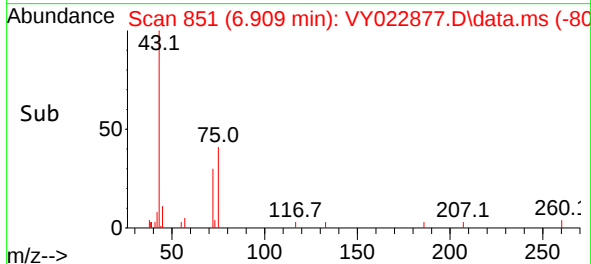
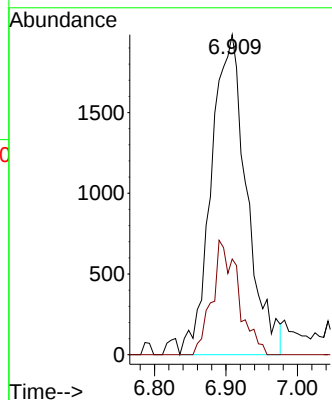
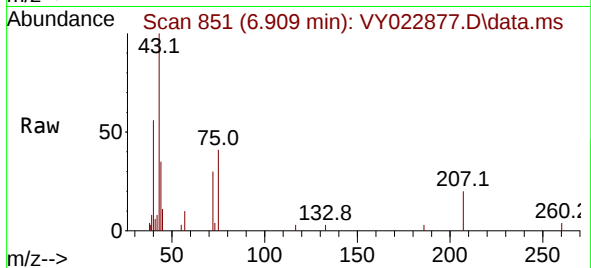
TP-85

Tgt Ion: 43 Resp: 6811

Ion Ratio Lower Upper

43 100

72 29.9 22.9 34.3



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.000 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

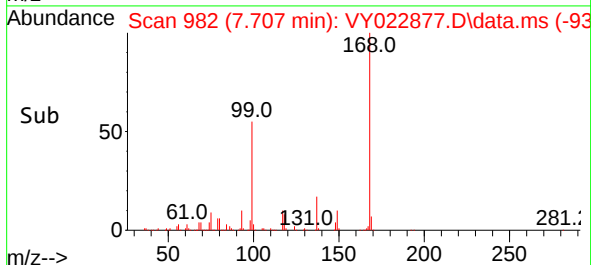
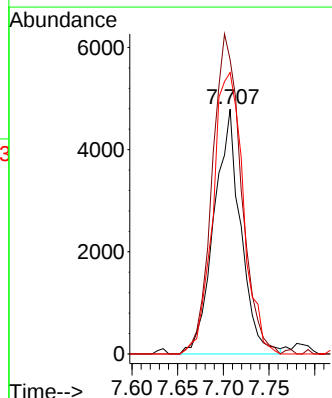
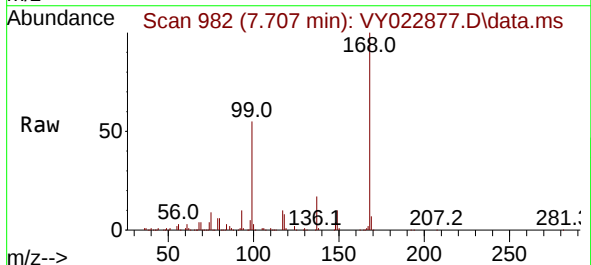
Tgt Ion: 56 Resp: 9742

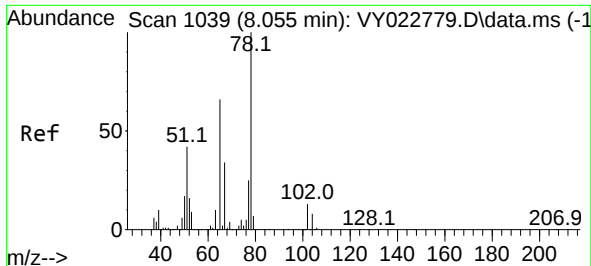
Ion Ratio Lower Upper

56 100

69 120.2 27.0 40.6#

84 115.0 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 45.525 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

Instrument :

MSVOA\_Y

ClientSampleId :

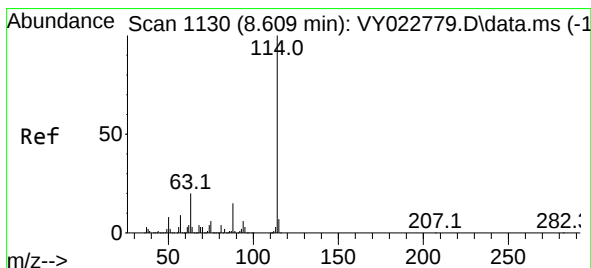
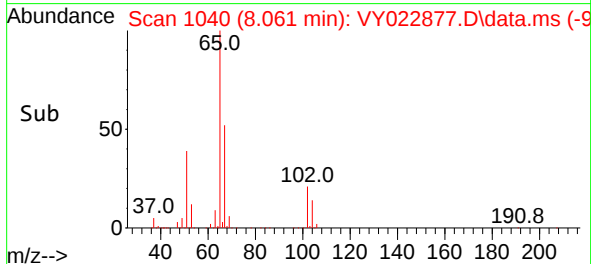
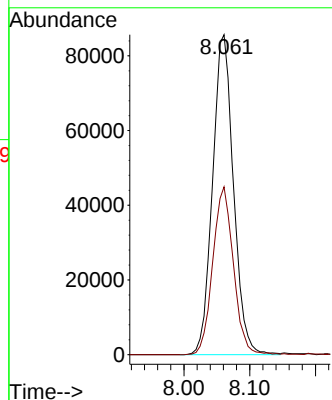
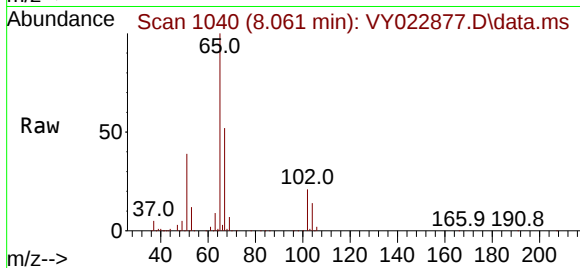
TP-85

Tgt Ion: 65 Resp: 189510

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

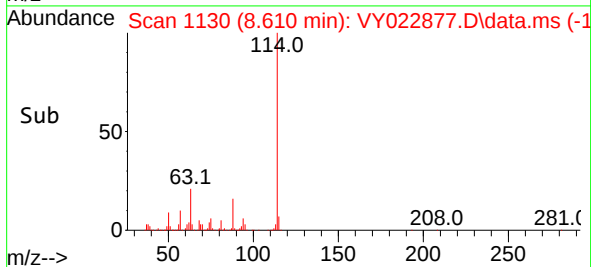
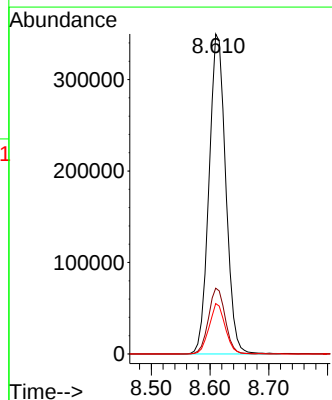
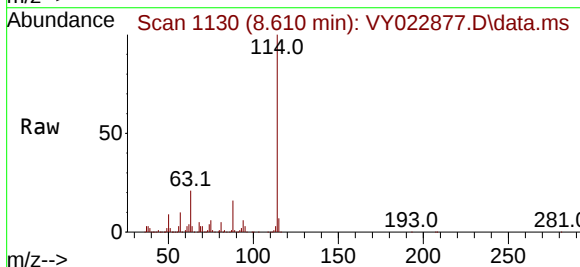
Tgt Ion:114 Resp: 690751

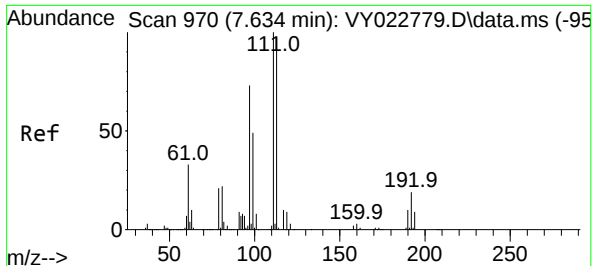
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.8 0.0 27.8

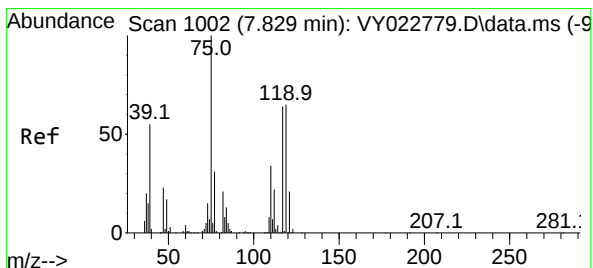
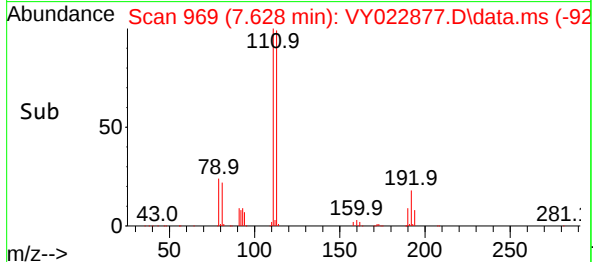
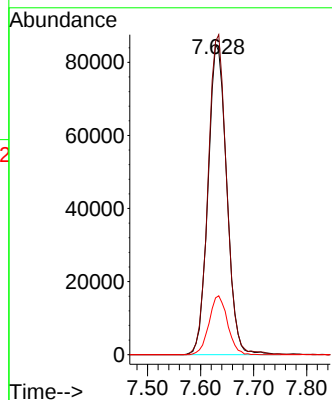
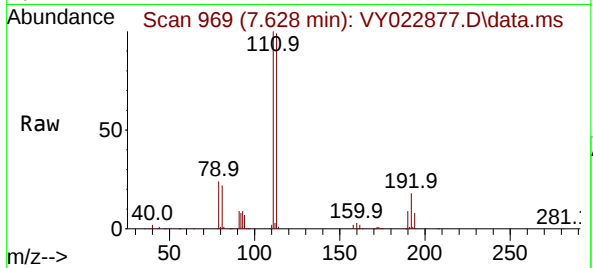




#35  
Dibromofluoromethane  
Concen: 49.484 ug/l  
RT: 7.628 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

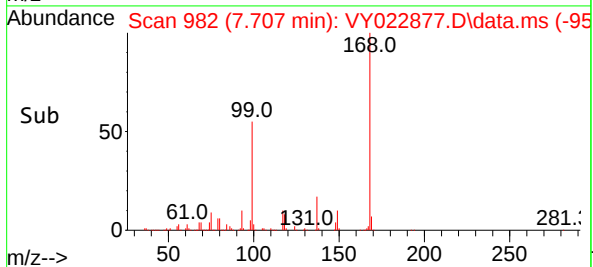
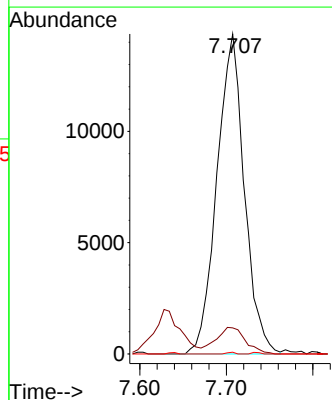
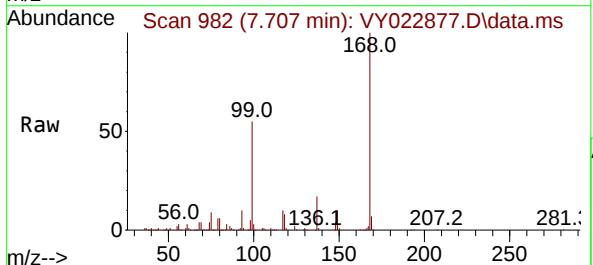
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

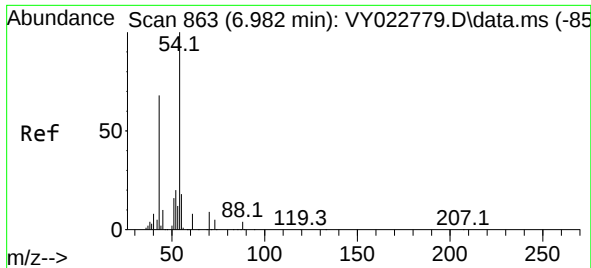
Tgt Ion:113 Resp: 207873  
Ion Ratio Lower Upper  
113 100  
111 102.2 81.1 121.7  
192 18.8 14.2 21.2



#36  
1,1-Dichloropropene  
Concen: 4.962 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

Tgt Ion: 75 Resp: 31592  
Ion Ratio Lower Upper  
75 100  
110 8.9 16.9 50.7#  
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.479 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.085 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

Instrument :

MSVOA\_Y

ClientSampleId :

TP-85

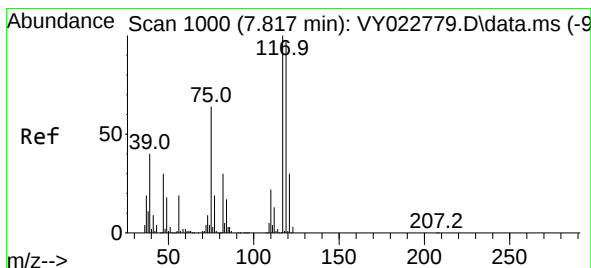
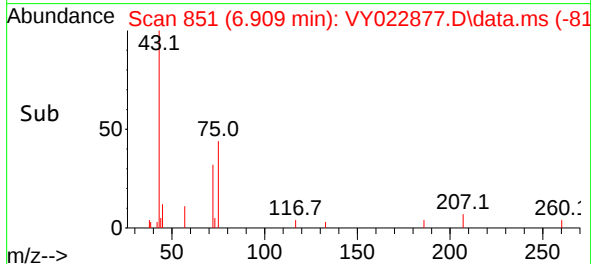
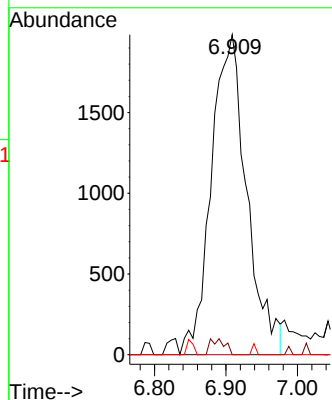
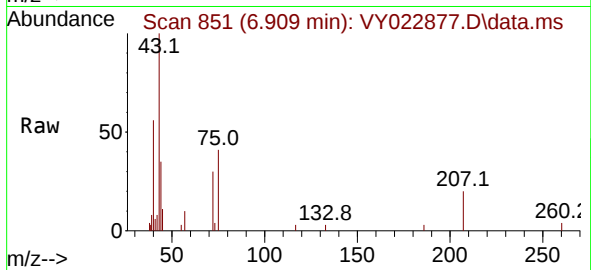
Tgt Ion: 43 Resp: 6811

Ion Ratio Lower Upper

43 100

61 2.1 11.5 17.3#

70 0.0 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 5.707 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

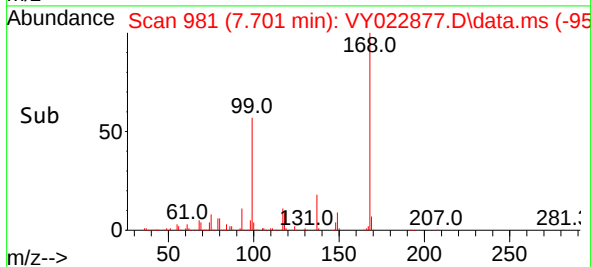
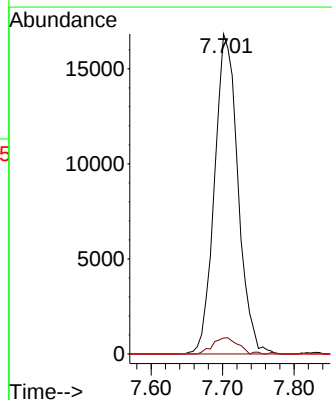
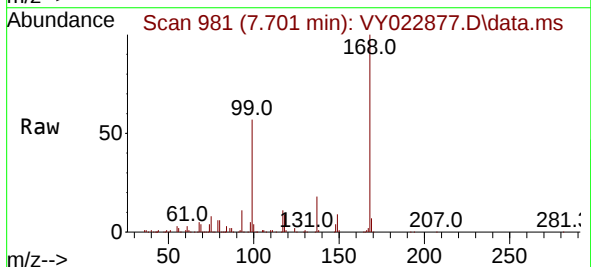
Tgt Ion: 117 Resp: 38342

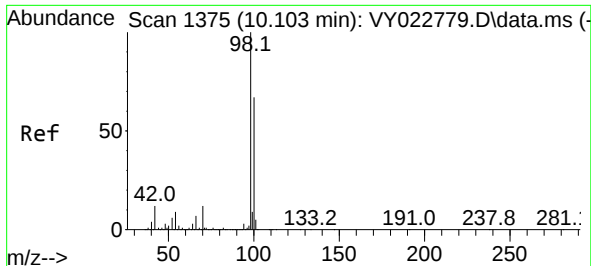
Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 25.0 37.4#

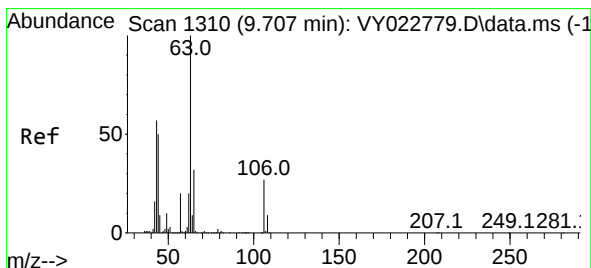
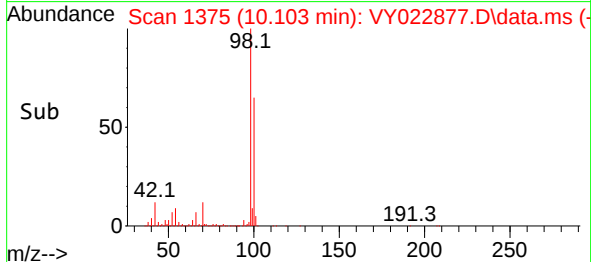
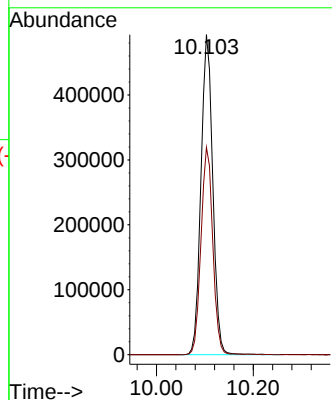
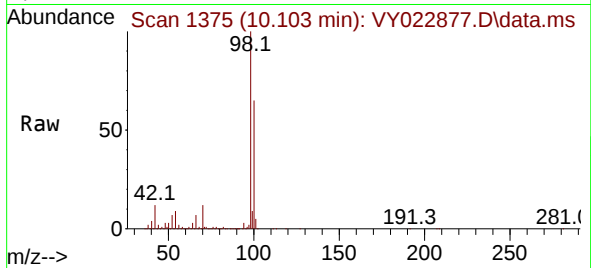




#50  
Toluene-d8  
Concen: 49.934 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

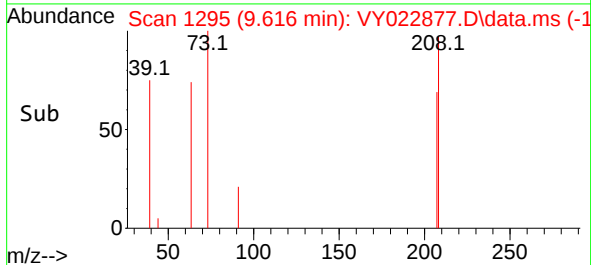
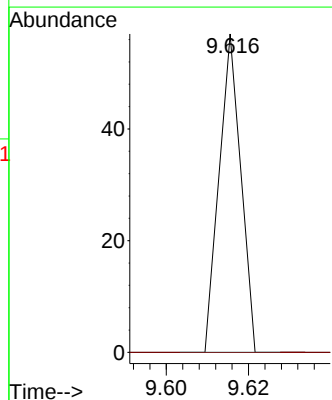
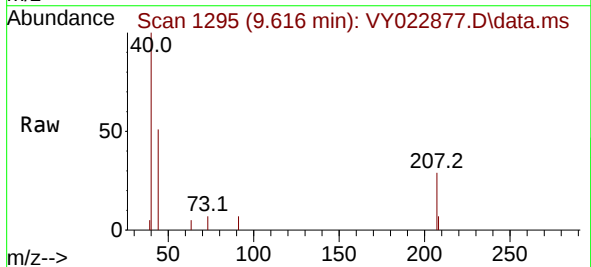
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

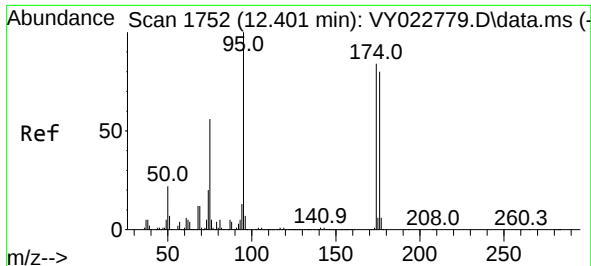
Tgt Ion: 98 Resp: 832363  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.4 77.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 15.663 ug/l  
RT: 9.616 min Scan# 1295  
Delta R.T. -0.097 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

Tgt Ion: 63 Resp: 21  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.6 32.4#

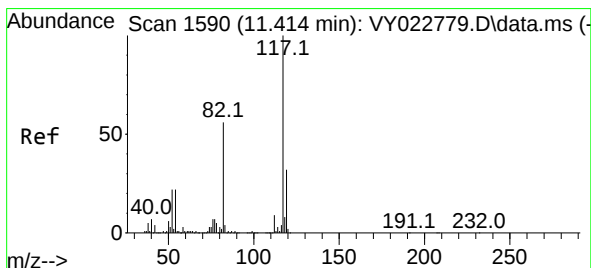
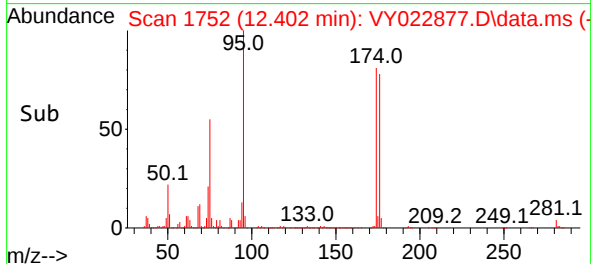
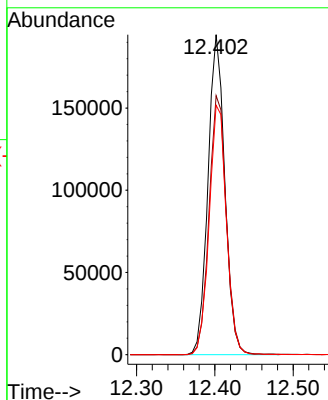
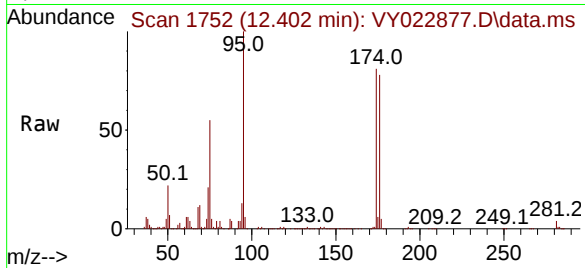




#62  
4-Bromofluorobenzene  
Concen: 54.215 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

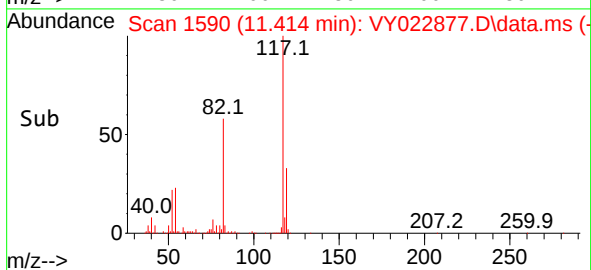
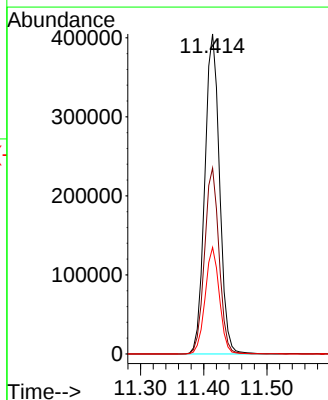
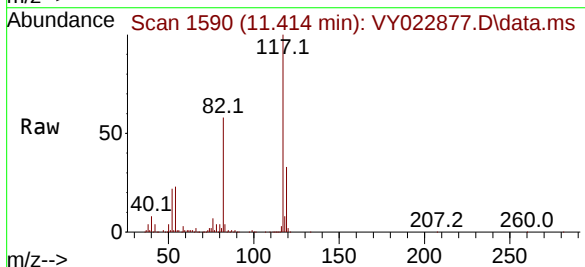
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-85

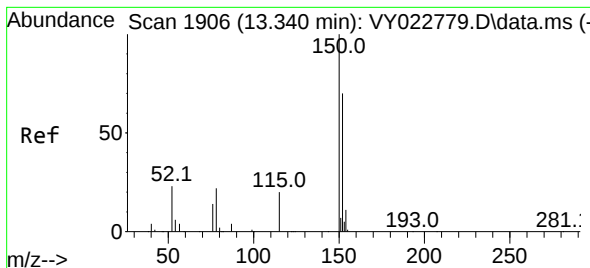
Tgt Ion: 95 Resp: 290519  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 170.0  
176 79.7 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022877.D  
Acq: 30 Jun 2025 13:32

Tgt Ion: 117 Resp: 657778  
Ion Ratio Lower Upper  
117 100  
82 58.1 44.6 66.8  
119 33.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022877.D

Acq: 30 Jun 2025 13:32

Instrument :

MSVOA\_Y

ClientSampleId :

TP-85

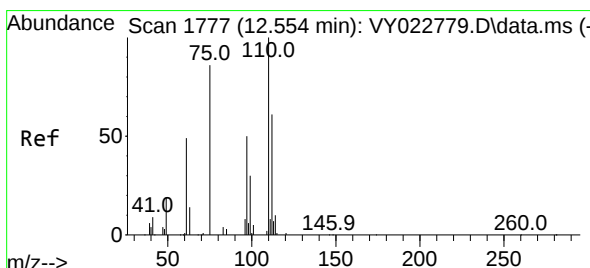
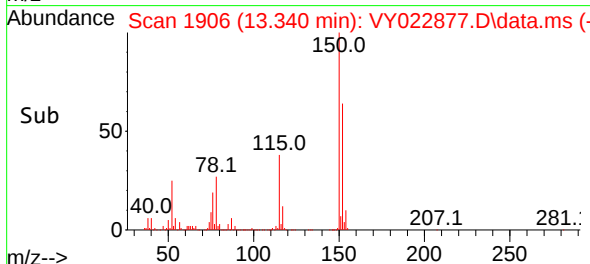
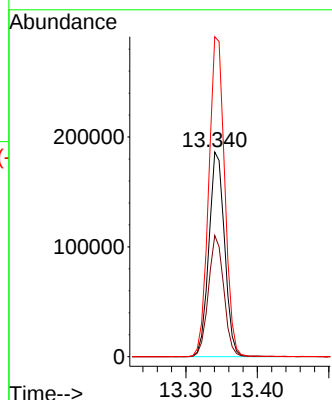
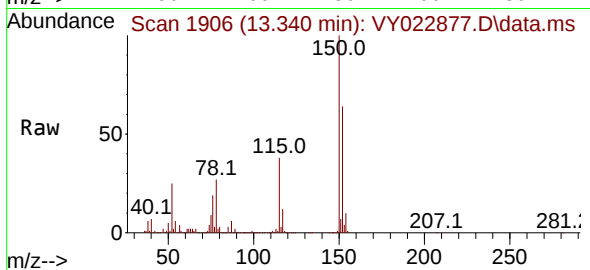
Tgt Ion:152 Resp: 284435

Ion Ratio Lower Upper

152 100

115 58.0 28.9 86.7

150 158.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 55.650 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022877.D

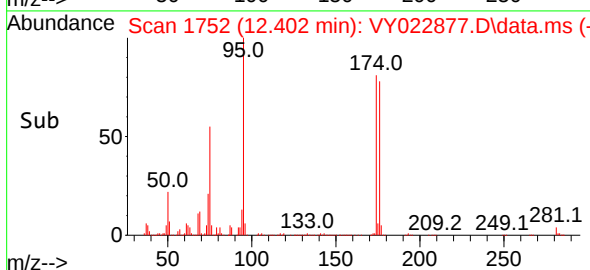
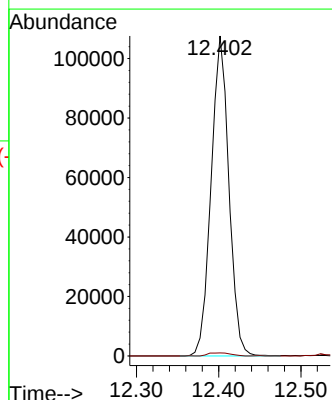
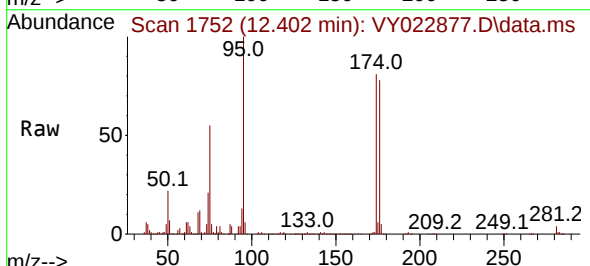
Acq: 30 Jun 2025 13:32

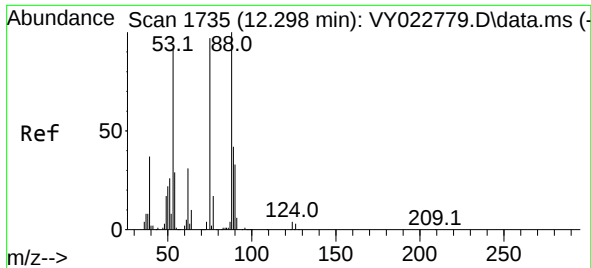
Tgt Ion: 75 Resp: 161599

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 140.594 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY022877.D  
 Acq: 30 Jun 2025 13:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-85

Tgt Ion: 75 Resp: 161599  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 78.5 117.7#  
 89 0.1 35.7 53.5#

