

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072125\  
 Data File : VY023030.D  
 Acq On : 21 Jul 2025 16:33  
 Operator : SY/MD  
 Sample : Q2651-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH 2-1

Quant Time: Jul 22 04:53:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 19 01:50:49 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 63611    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 105691   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 92355    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 32970    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 32131    | 49.896   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.800%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 36348    | 54.216   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.440% |
| 50) Toluene-d8              | 10.103 | 98    | 121574   | 45.727   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.460%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 34377    | 41.076   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.160%  |

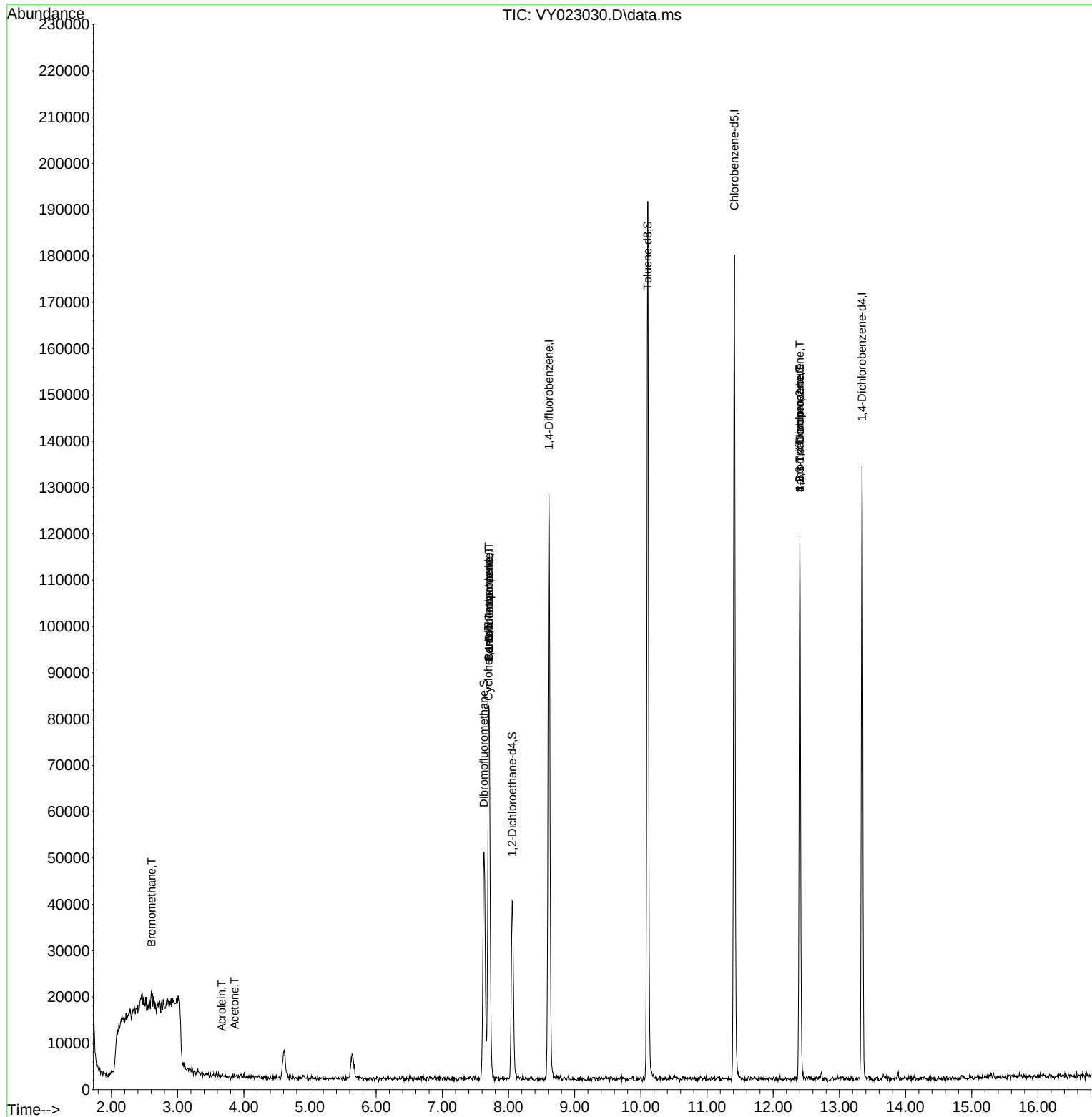
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 5) Bromomethane               | 2.604  | 94  | 1455  | 1.733     | ug/l # | 71  |
| 13) Acrolein                  | 3.665  | 56  | 21    | 1.148     | ug/l # | 13  |
| 16) Acetone                   | 3.860  | 43  | 452   | 3.872     | ug/l   | 92  |
| 20) Methylene Chloride        | 4.604  | 84  | 4614  | Below Cal |        | 93  |
| 31) Cyclohexane               | 7.695  | 56  | 1530  | 1.193     | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.701  | 75  | 5623  | 5.325     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.701  | 117 | 6597  | 5.750     | ug/l # | 17  |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75  | 18759 | 45.661    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75  | 18759 | 135.999   | ug/l # | 12  |

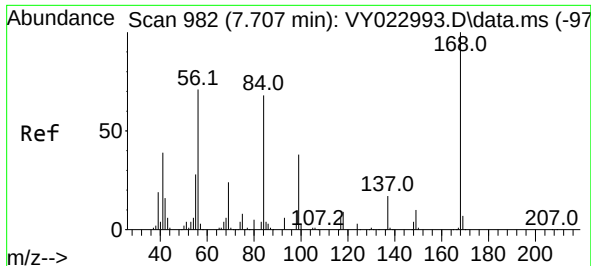
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072125\  
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Sample : Q2651-01  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH 2-1

Quant Time: Jul 22 04:53:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 19 01:50:49 2025  
Response via : Initial Calibration

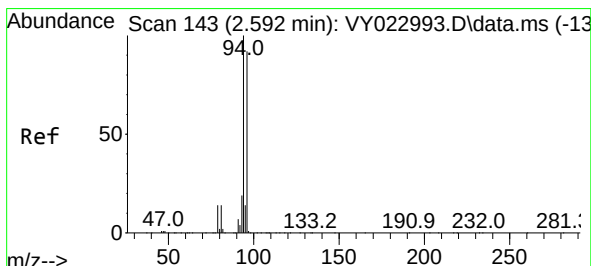
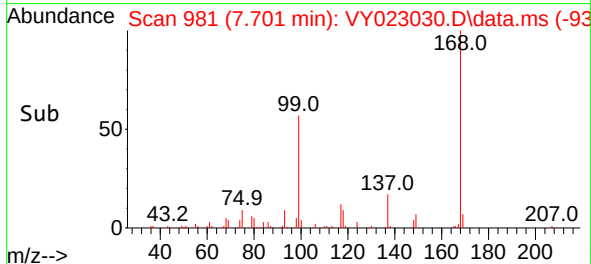
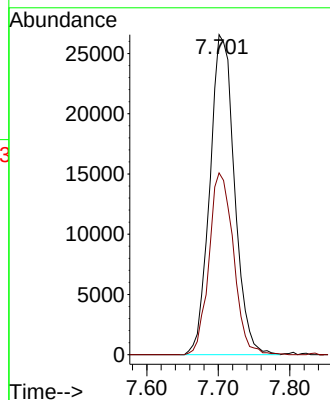
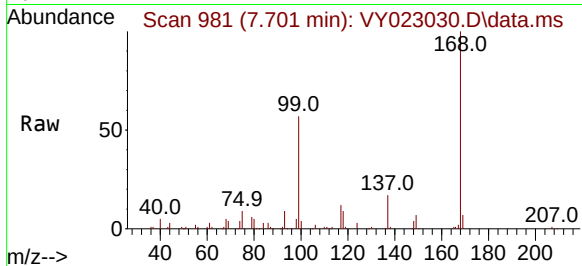




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

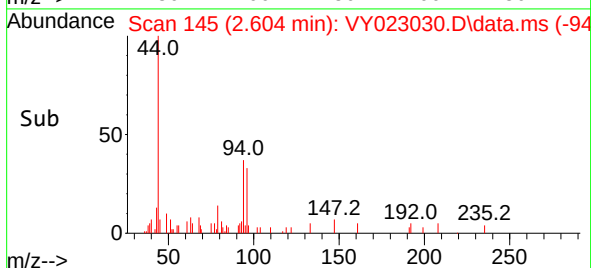
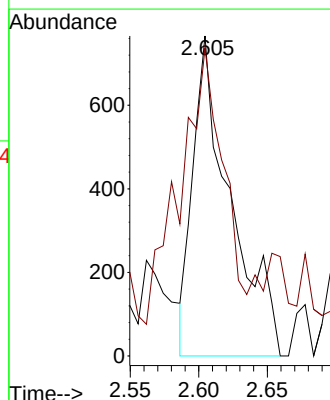
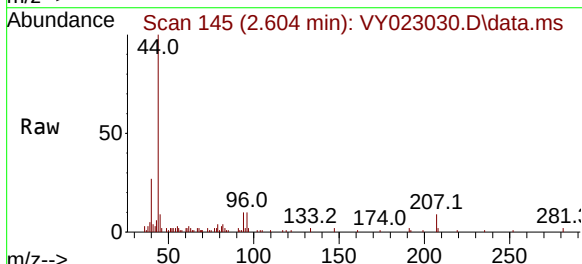
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH 2-1

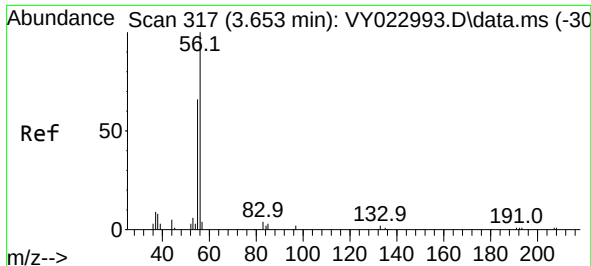
Tgt Ion:168 Resp: 63611  
Ion Ratio Lower Upper  
168 100  
99 56.8 44.4 66.6



#5  
Bromomethane  
Concen: 1.733 ug/l  
RT: 2.604 min Scan# 145  
Delta R.T. 0.012 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

Tgt Ion: 94 Resp: 1455  
Ion Ratio Lower Upper  
94 100  
96 65.1 73.9 110.9#





#13

Acrolein

Concen: 1.148 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

Instrument :

MSVOA\_Y

ClientSampleId :

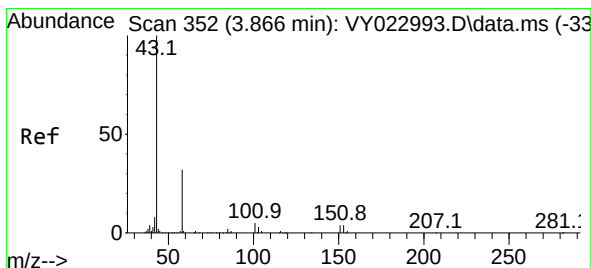
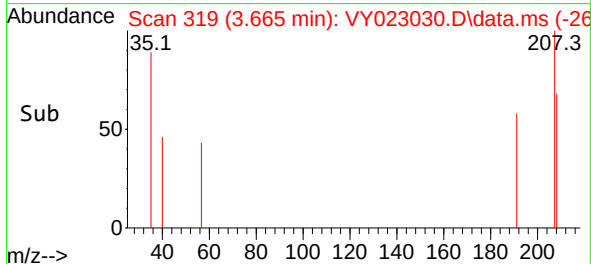
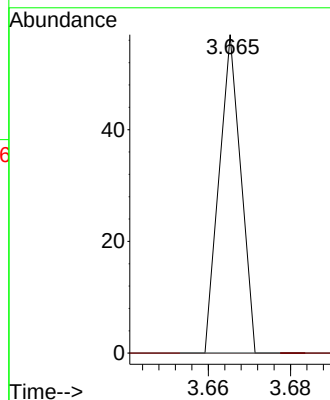
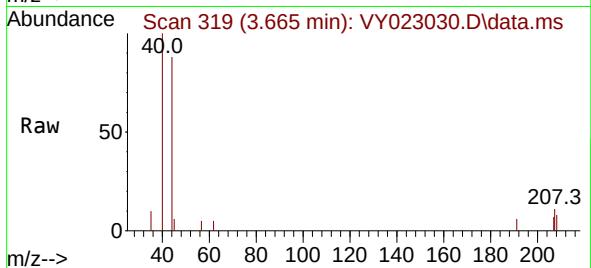
MH 2-1

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 3.872 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.006 min

Lab File: VY023030.D

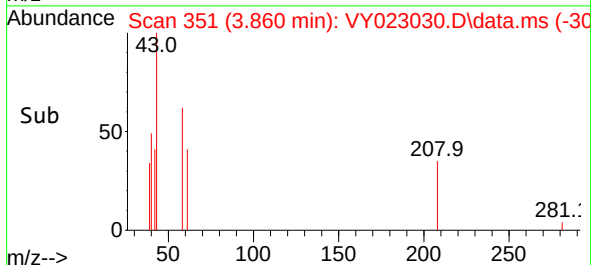
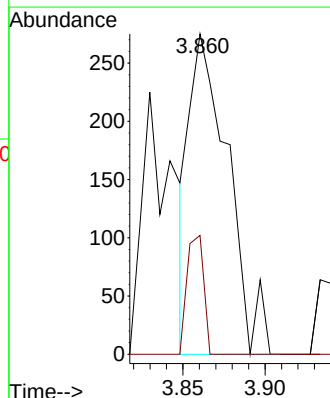
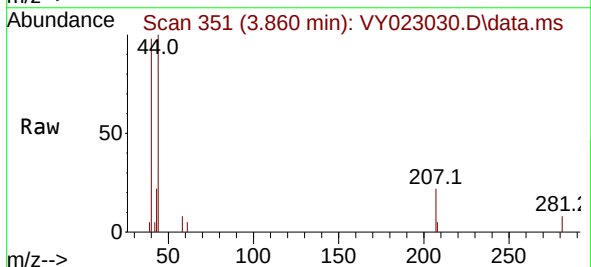
Acq: 21 Jul 2025 16:33

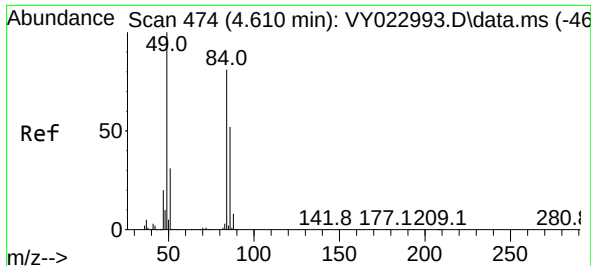
Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 37.1 26.2 39.4

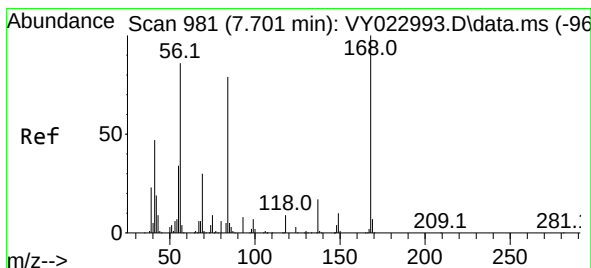
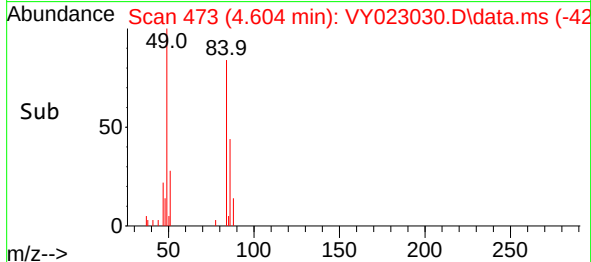
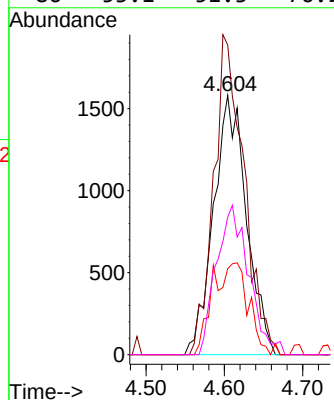
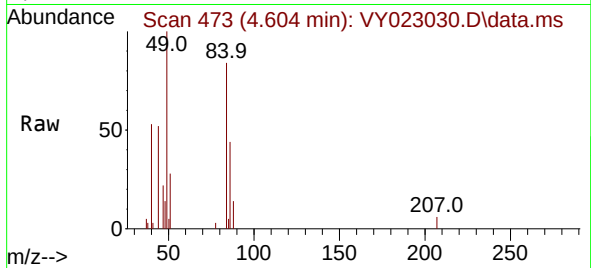




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.604 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

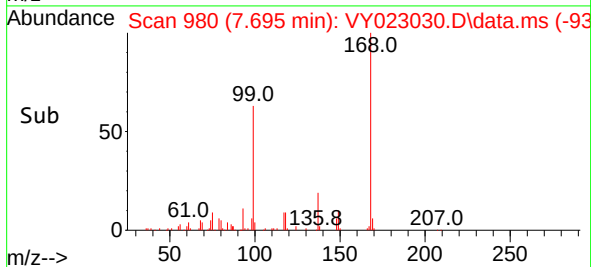
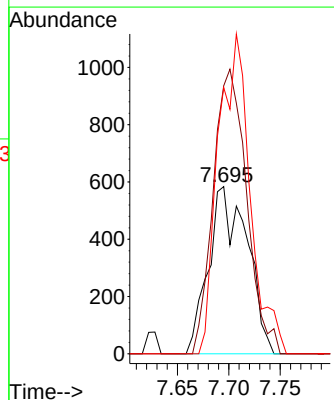
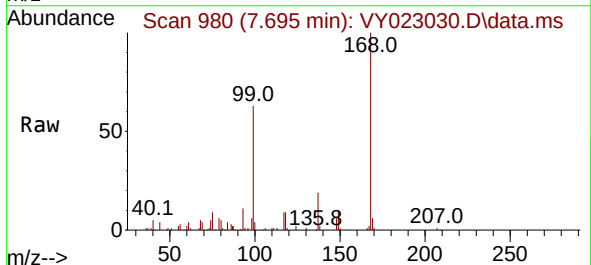
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH 2-1

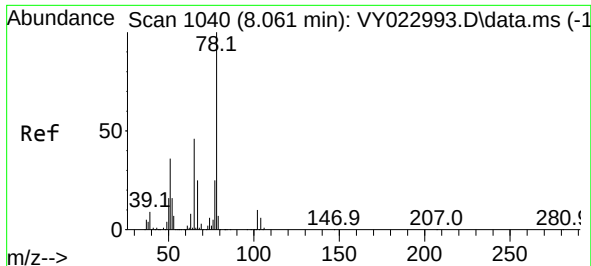
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4614  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 119.5 | 98.2  | 147.4 |
| 51       | 33.2  | 30.5  | 45.7  |
| 86       | 53.1  | 51.3  | 76.9  |



#31  
Cyclohexane  
Concen: 1.193 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1530   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 160.3 | 28.1  | 42.1#  |
| 84       | 159.2 | 73.5  | 110.3# |





#33

1,2-Dichloroethane-d4

Concen: 49.896 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

Instrument :

MSVOA\_Y

ClientSampleId :

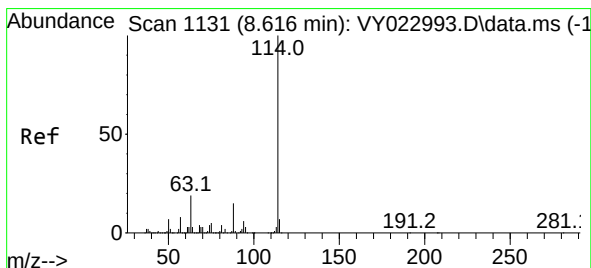
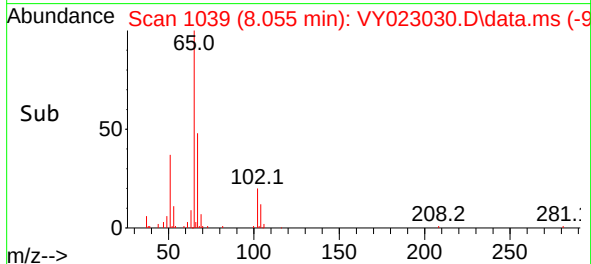
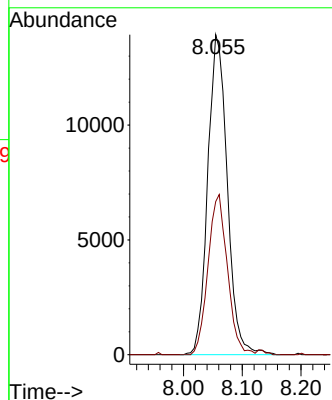
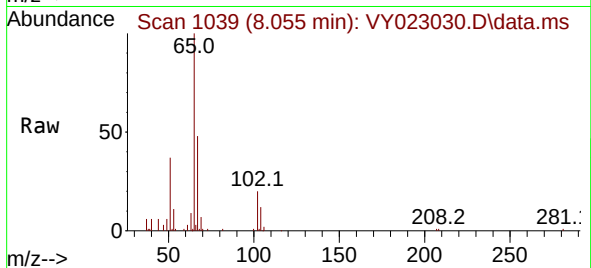
MH 2-1

Tgt Ion: 65 Resp: 32131

Ion Ratio Lower Upper

65 100

67 49.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

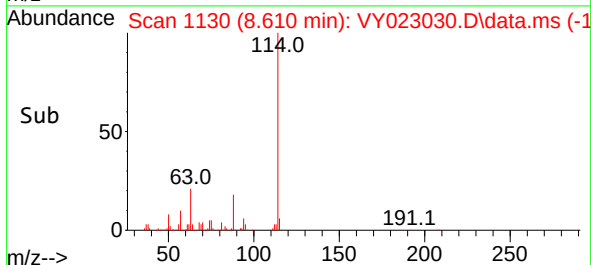
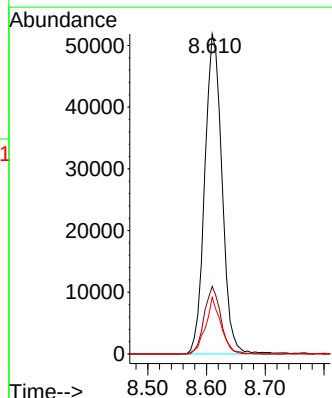
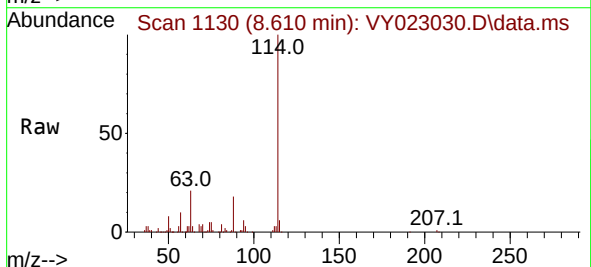
Tgt Ion: 114 Resp: 105691

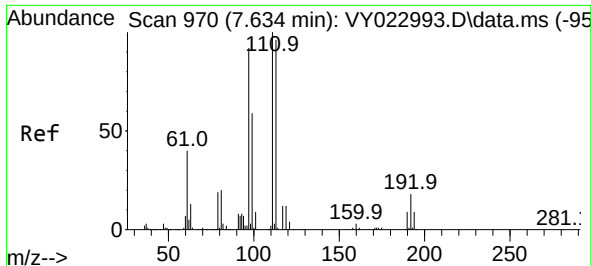
Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.8

88 17.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.216 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.006 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

Instrument :

MSVOA\_Y

ClientSampleId :

MH 2-1

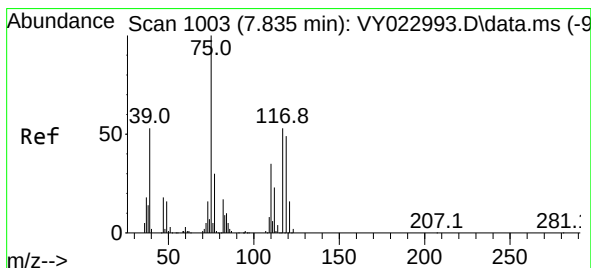
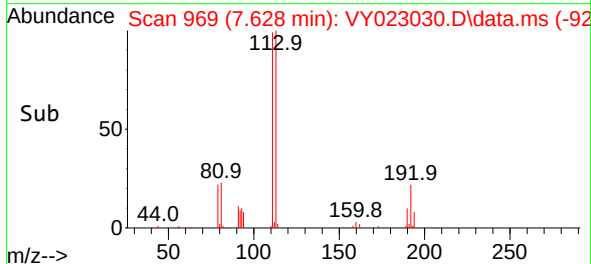
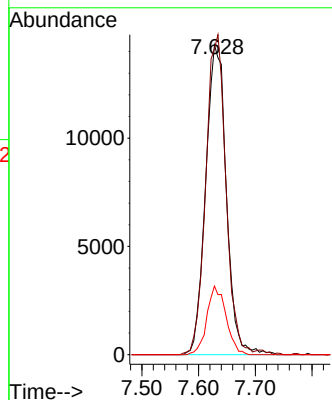
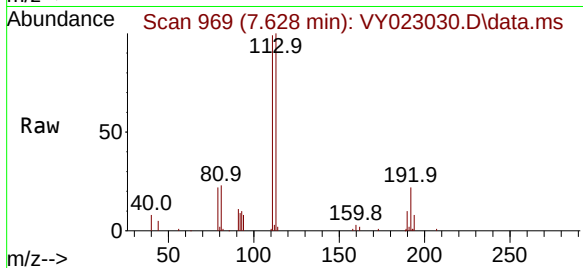
Tgt Ion:113 Resp: 36348

Ion Ratio Lower Upper

113 100

111 100.3 83.2 124.8

192 20.5 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.325 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

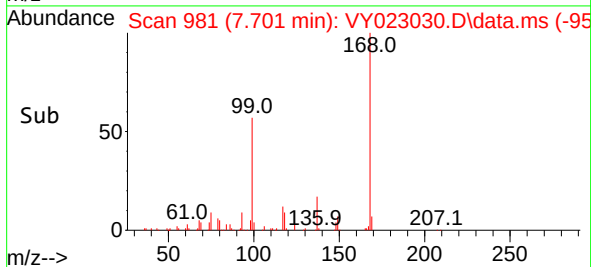
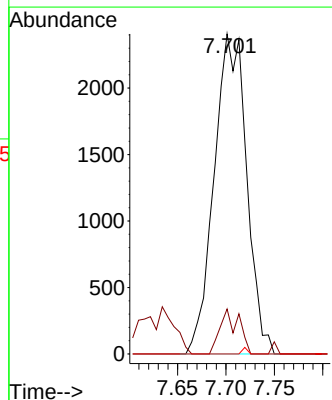
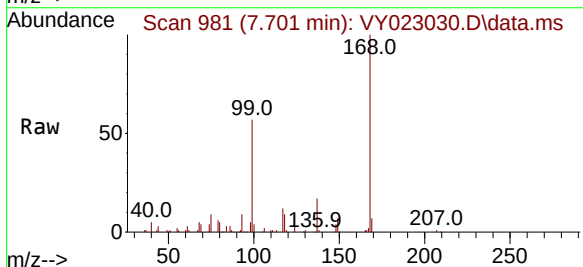
Tgt Ion: 75 Resp: 5623

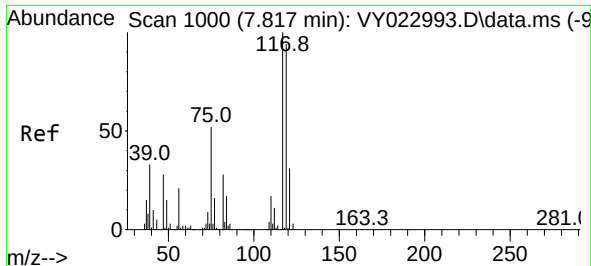
Ion Ratio Lower Upper

75 100

110 8.1 17.3 51.9#

77 0.3 24.6 37.0#

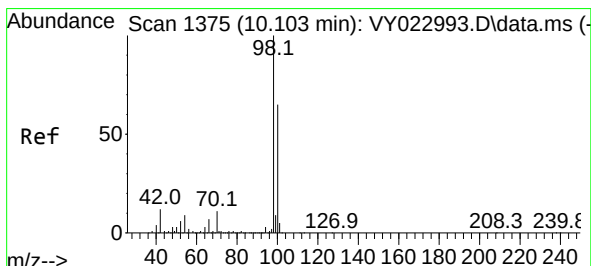
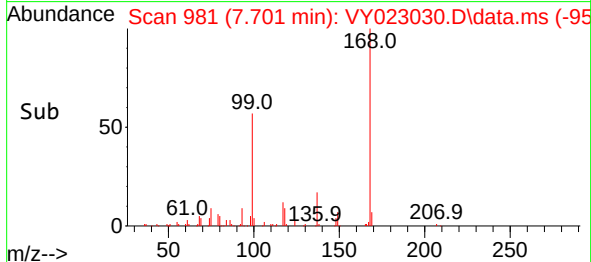
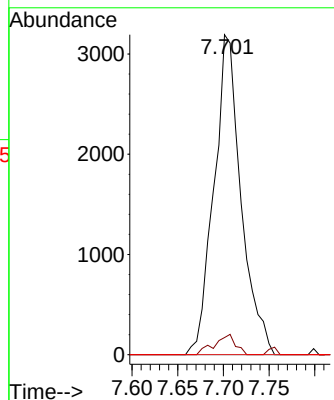
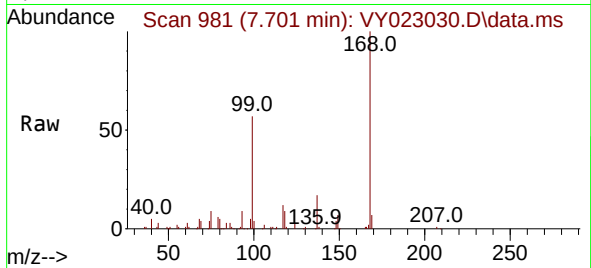




#38  
Carbon Tetrachloride  
Concen: 5.750 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

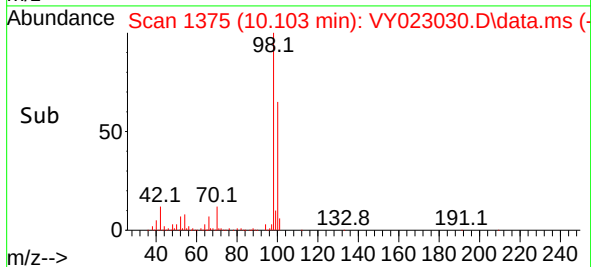
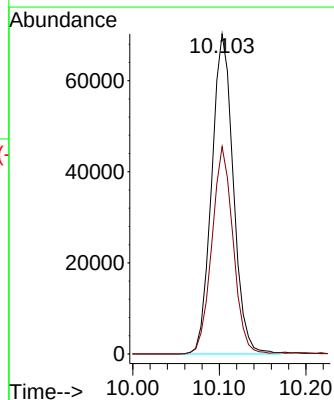
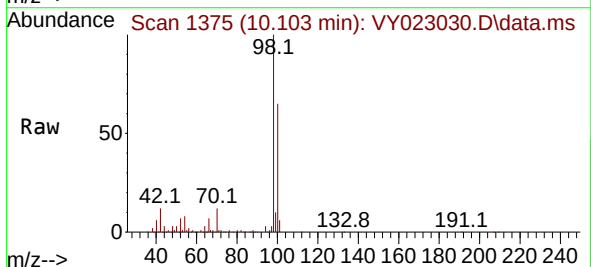
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH 2-1

Tgt Ion:117 Resp: 6597  
Ion Ratio Lower Upper  
117 100  
119 5.4 74.9 112.3#  
121 0.0 24.6 37.0#

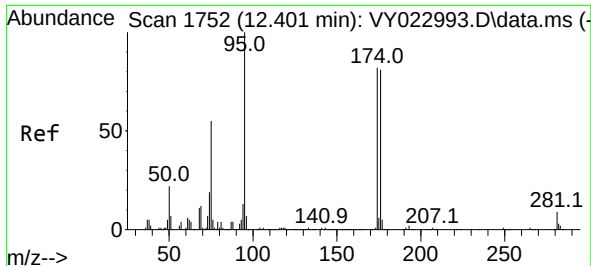


#50  
Toluene-d8  
Concen: 45.727 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

Tgt Ion: 98 Resp: 121574  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.2 78.2



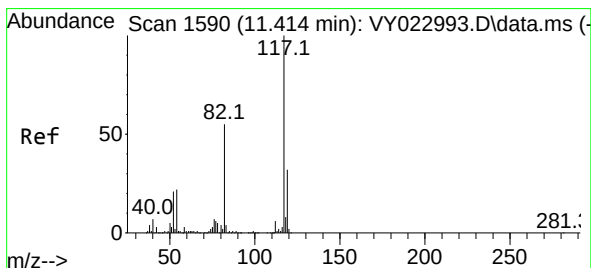
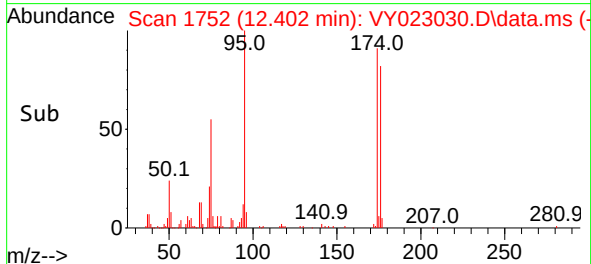
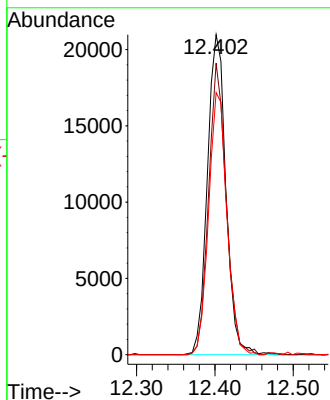
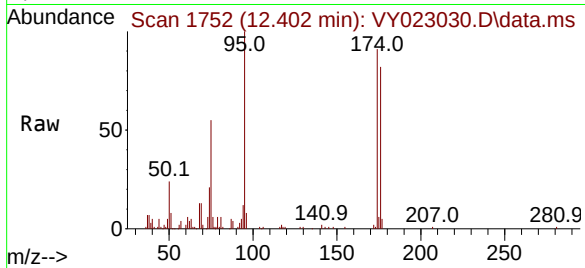




#62  
4-Bromofluorobenzene  
Concen: 41.076 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

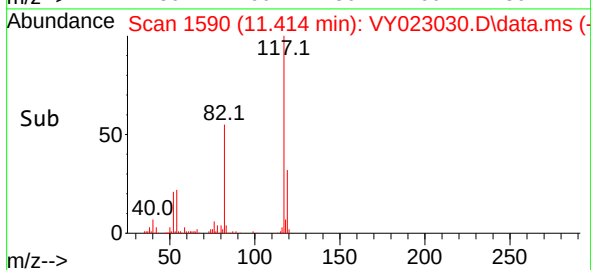
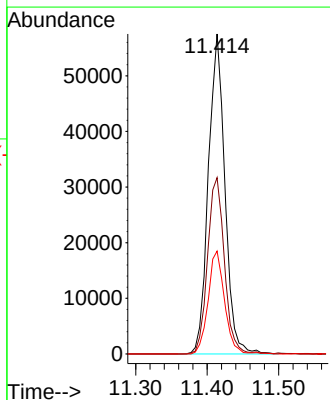
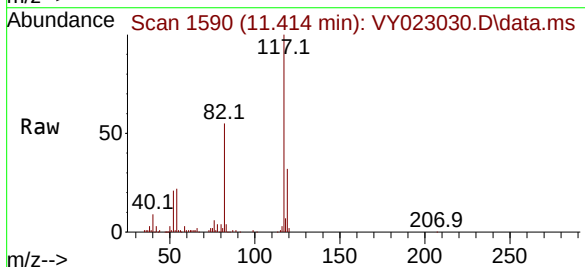
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH 2-1

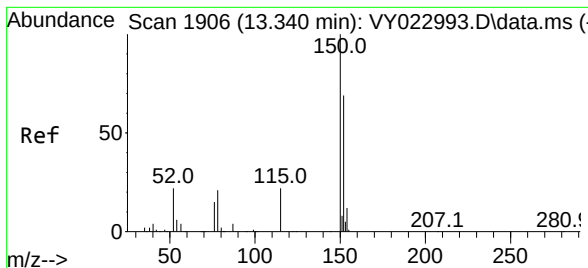
Tgt Ion: 95 Resp: 34377  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 170.8  
176 81.2 0.0 163.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY023030.D  
Acq: 21 Jul 2025 16:33

Tgt Ion: 117 Resp: 92355  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.3 66.5  
119 32.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023030.D

Acq: 21 Jul 2025 16:33

Instrument :

MSVOA\_Y

ClientSampleId :

MH 2-1

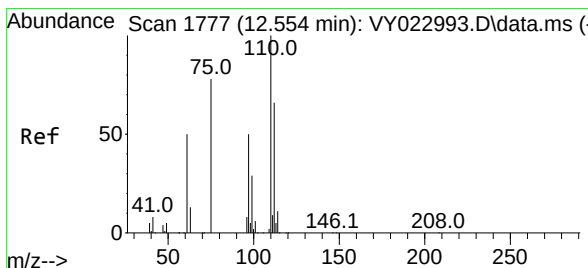
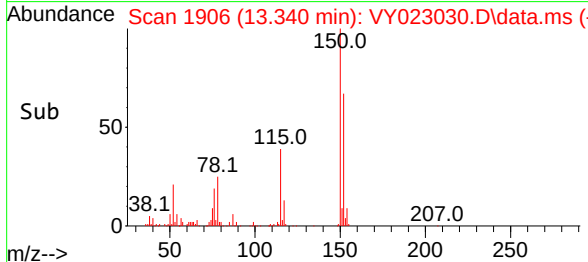
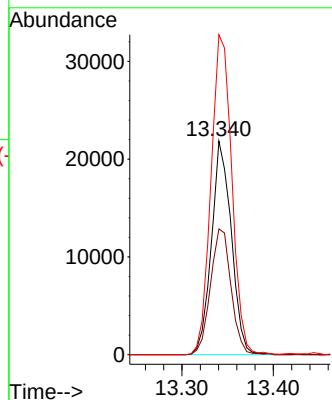
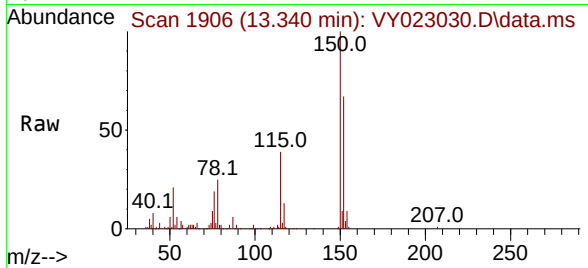
Tgt Ion:152 Resp: 32970

Ion Ratio Lower Upper

152 100

115 61.1 29.4 88.2

150 157.1 0.0 350.0



#76

1,2,3-Trichloropropane

Concen: 45.661 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023030.D

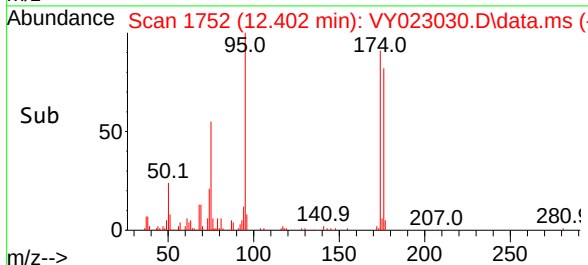
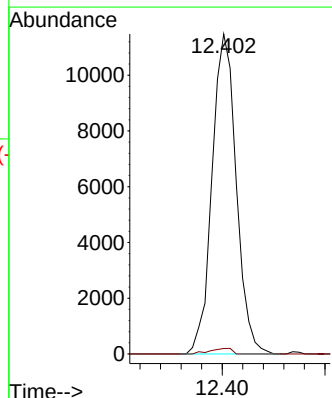
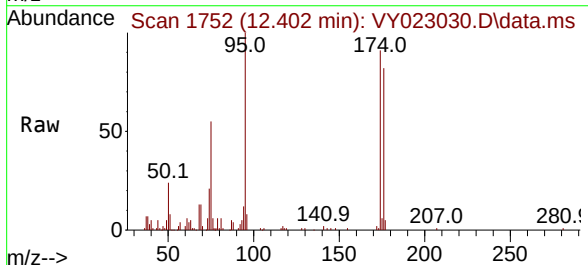
Acq: 21 Jul 2025 16:33

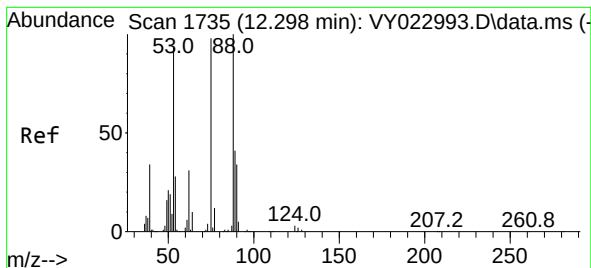
Tgt Ion: 75 Resp: 18759

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 135.999 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY023030.D  
 Acq: 21 Jul 2025 16:33

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH 2-1

Tgt Ion: 75 Resp: 18759  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 76.1 114.1#  
 89 0.0 36.1 54.1#

