

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
 Data File : VY022820.D  
 Acq On : 25 Jun 2025 13:22  
 Operator : SY/MD  
 Sample : Q2413-02  
 Misc : 6.66g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-34

Quant Time: Jun 26 01:25:24 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  | 392242   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 690772   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 622911   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152  | 266014   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 169438   | 38.704   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 77.400%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 193854   | 46.145   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.300%  |
| 50) Toluene-d8              | 10.103 | 98    | 817926   | 49.066   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.140%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 271200   | 50.608   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.220% |

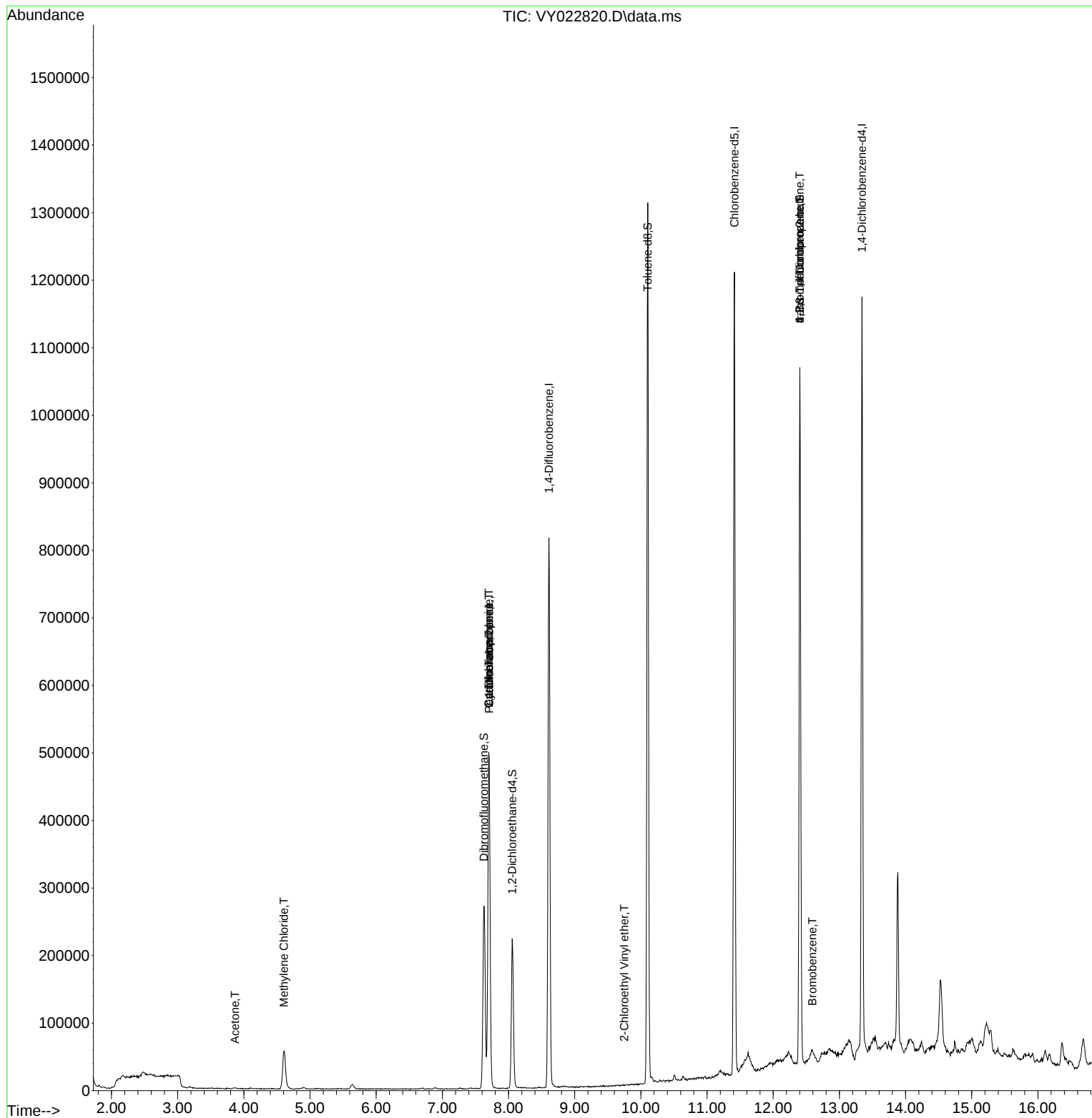
| Target Compounds              |        |     |        |         | Qvalue |     |
|-------------------------------|--------|-----|--------|---------|--------|-----|
| 16) Acetone                   | 3.867  | 43  | 2354   | 2.845   | ug/l # | 75  |
| 20) Methylene Chloride        | 4.604  | 84  | 41692  | 7.979   | ug/l   | 94  |
| 31) Cyclohexane               | 7.701  | 56  | 9500   | 1.263   | ug/l # | 31  |
| 36) 1,1-Dichloropropene       | 7.701  | 75  | 31985  | 5.023   | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.701  | 117 | 38700  | 5.760   | ug/l # | 16  |
| 58) 2-Chloroethyl Vinyl ether | 9.750  | 63  | 51     | 15.675  | ug/l # | 1   |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75  | 153781 | 56.625  | ug/l # | 100 |
| 77) Bromobenzene              | 12.591 | 156 | 14906  | 3.343   | ug/l # | 1   |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75  | 153781 | 143.057 | ug/l # | 11  |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022820.D  
Acq On : 25 Jun 2025 13:22  
Operator : SY/MD  
Sample : Q2413-02  
Misc : 6.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

Quant Time: Jun 26 01:25:24 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

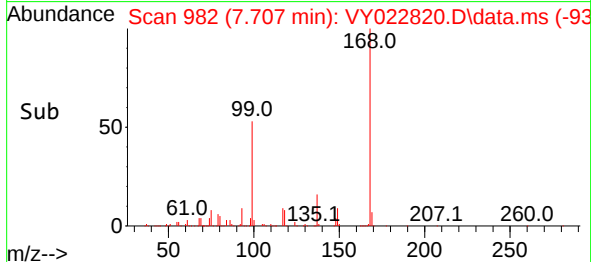
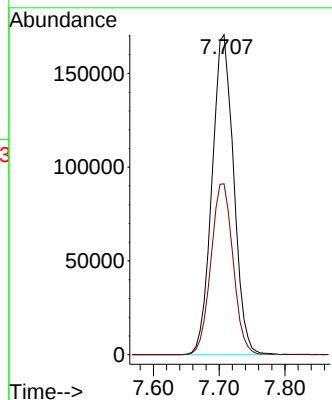
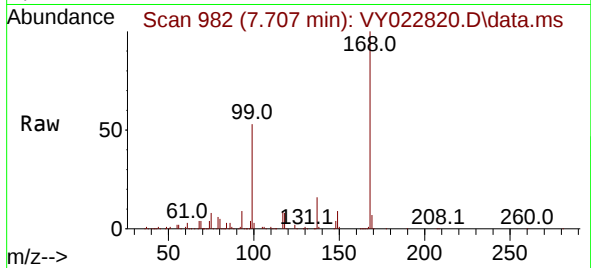




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

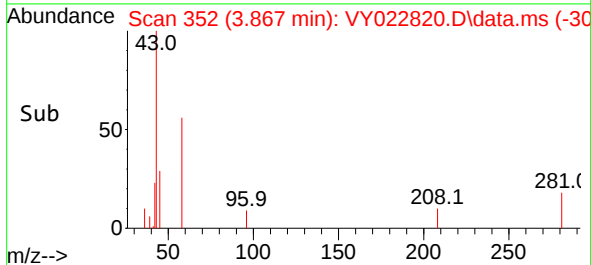
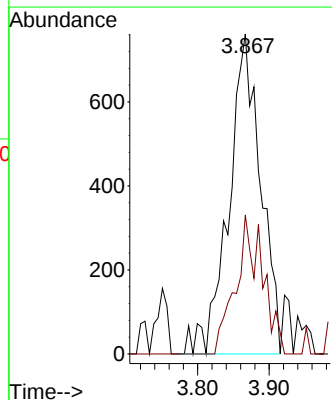
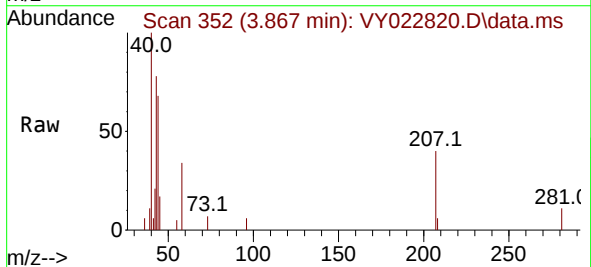
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

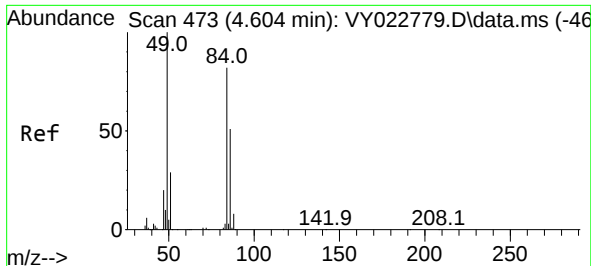
Tgt Ion:168 Resp: 392242  
Ion Ratio Lower Upper  
168 100  
99 53.4 44.3 66.5



#16  
Acetone  
Concen: 2.845 ug/l  
RT: 3.867 min Scan# 352  
Delta R.T. -0.012 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion: 43 Resp: 2354  
Ion Ratio Lower Upper  
43 100  
58 43.4 24.0 36.0#



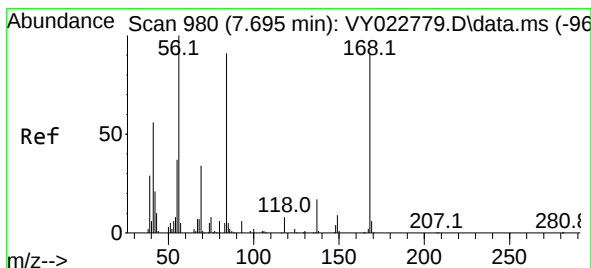
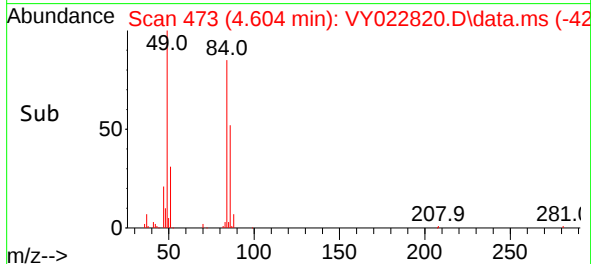
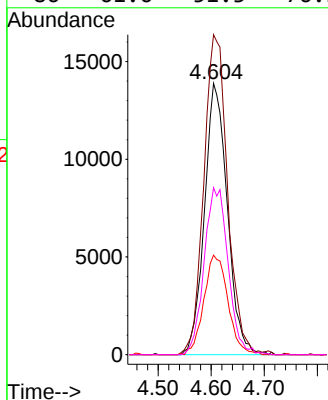
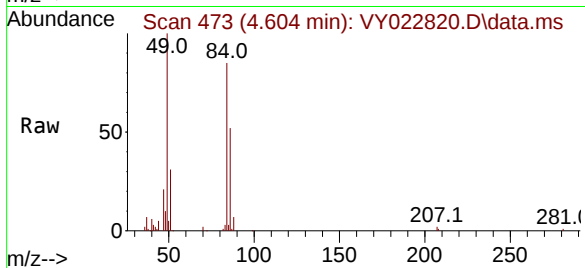


#20  
Methylene Chloride  
Concen: 7.979 ug/l  
RT: 4.604 min Scan# 41  
Delta R.T. -0.018 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

Tgt Ion: 84 Resp: 41692

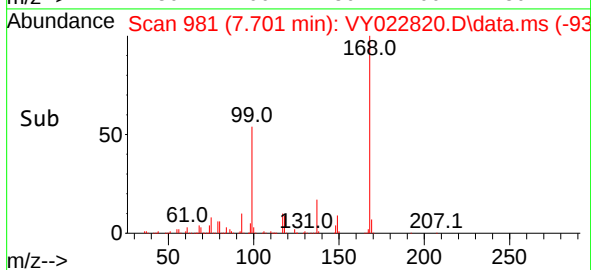
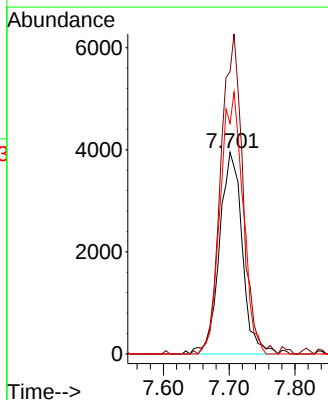
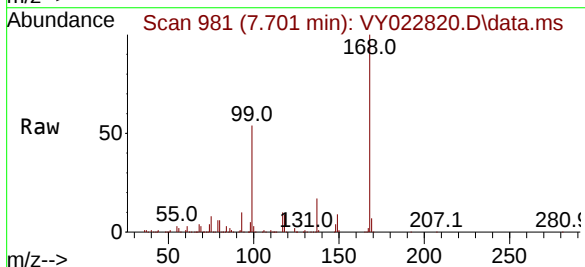
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 117.9 | 101.9 | 152.9 |
| 51  | 36.7  | 29.8  | 44.8  |
| 86  | 61.6  | 51.3  | 76.9  |

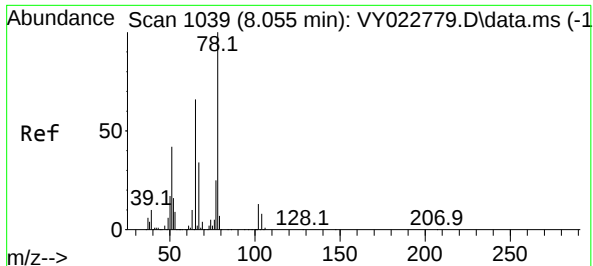


#31  
Cyclohexane  
Concen: 1.263 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion: 56 Resp: 9500

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 140.0 | 27.0  | 40.6#  |
| 84  | 114.4 | 72.6  | 109.0# |





#33

1,2-Dichloroethane-d4

Concen: 38.704 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022820.D

Acq: 25 Jun 2025 13:22

Instrument :

MSVOA\_Y

ClientSampleId :

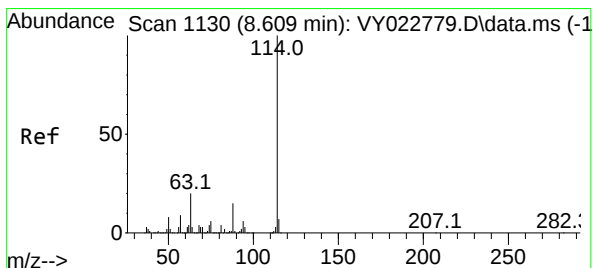
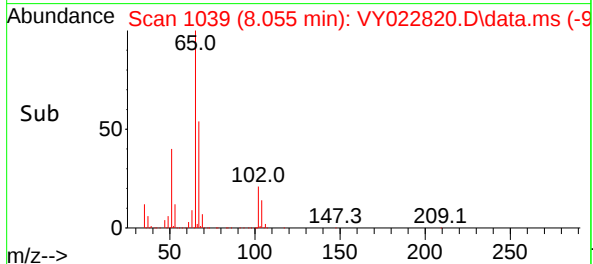
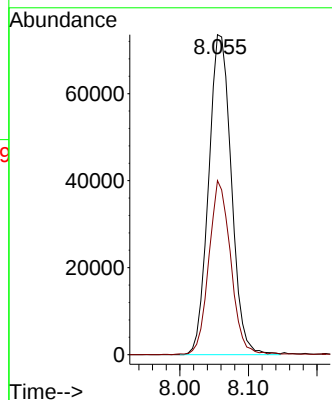
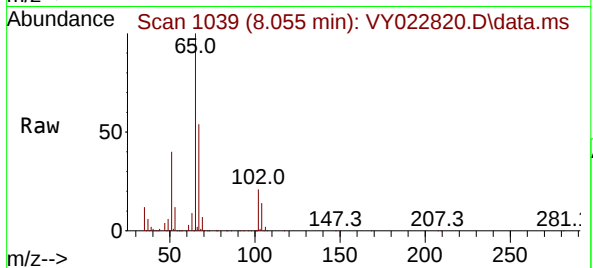
TP-34

Tgt Ion: 65 Resp: 169438

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022820.D

Acq: 25 Jun 2025 13:22

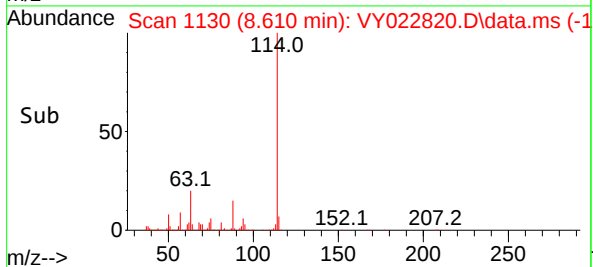
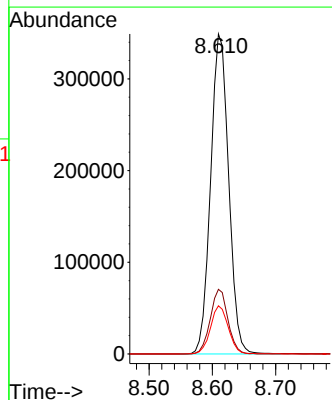
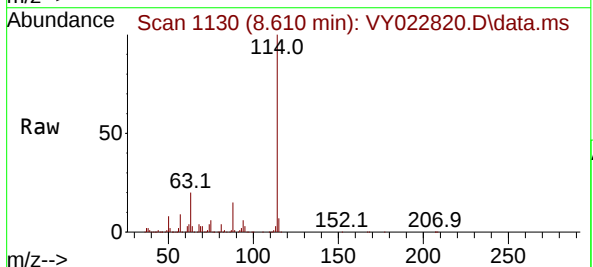
Tgt Ion:114 Resp: 690772

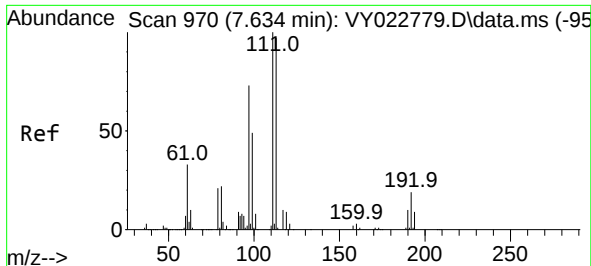
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.0 0.0 27.8

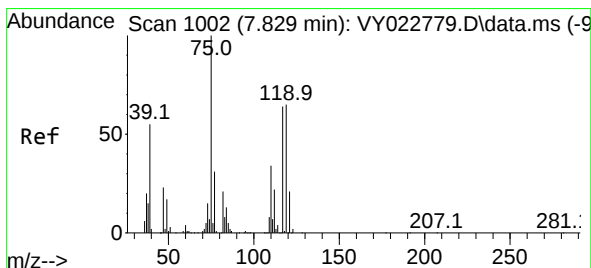
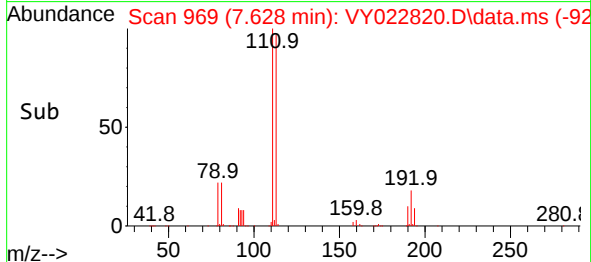
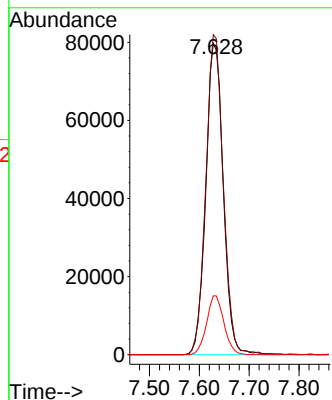
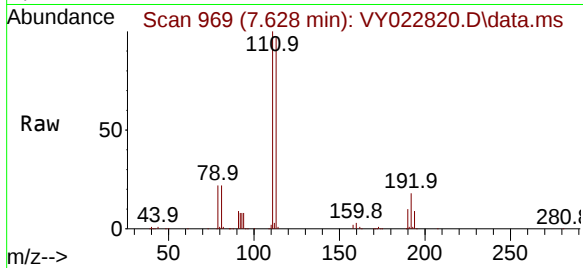




#35  
Dibromofluoromethane  
Concen: 46.145 ug/l  
RT: 7.628 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

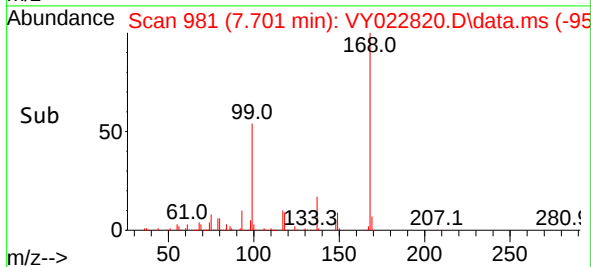
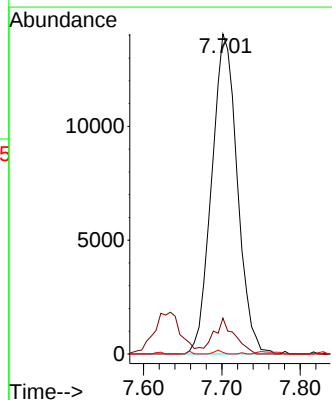
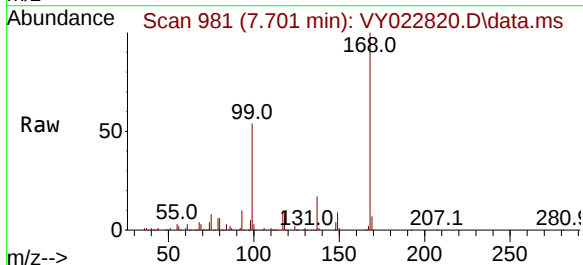
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

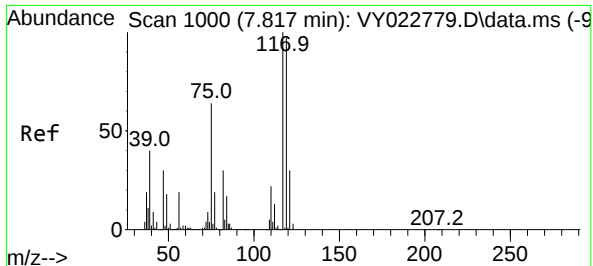
Tgt Ion:113 Resp: 193854  
Ion Ratio Lower Upper  
113 100  
111 102.9 81.1 121.7  
192 18.8 14.2 21.2



#36  
1,1-Dichloropropene  
Concen: 5.023 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.140 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion: 75 Resp: 31985  
Ion Ratio Lower Upper  
75 100  
110 8.7 16.9 50.7#  
77 0.4 24.8 37.2#

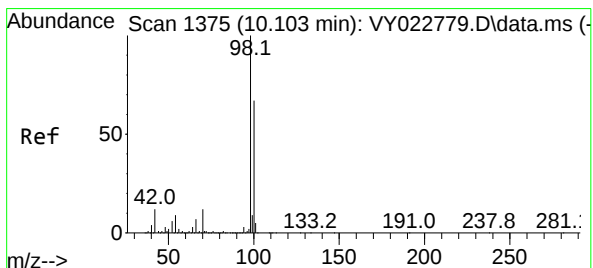
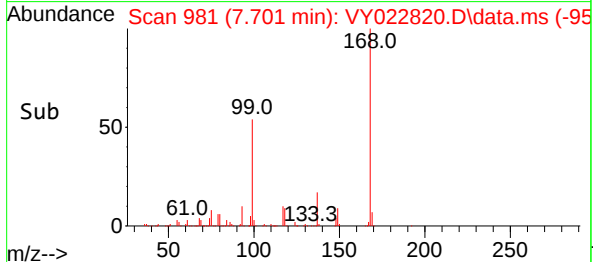
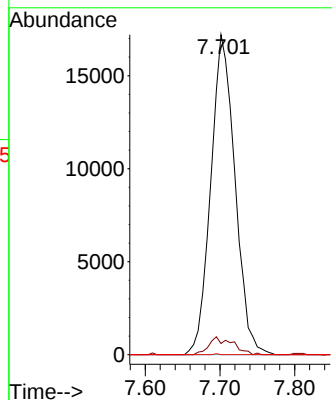
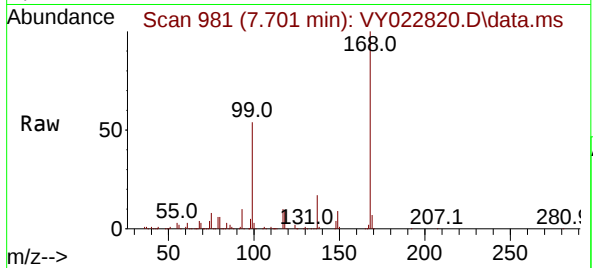




#38  
Carbon Tetrachloride  
Concen: 5.760 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

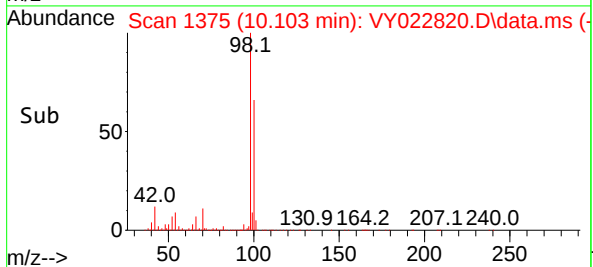
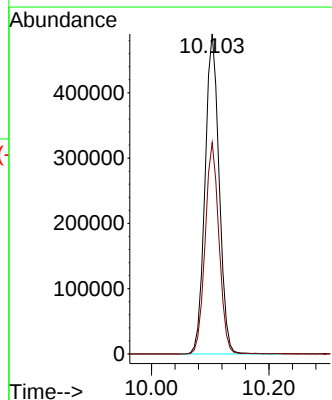
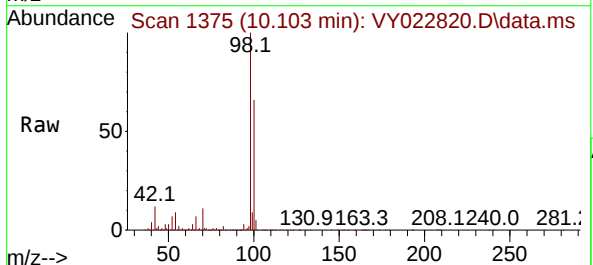
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

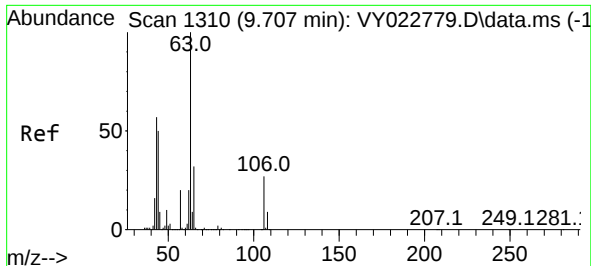
Tgt Ion:117 Resp: 38700  
Ion Ratio Lower Upper  
117 100  
119 3.5 75.0 112.6#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 49.066 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion: 98 Resp: 817926  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.4 77.0

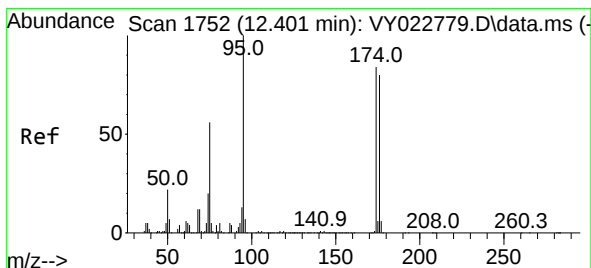
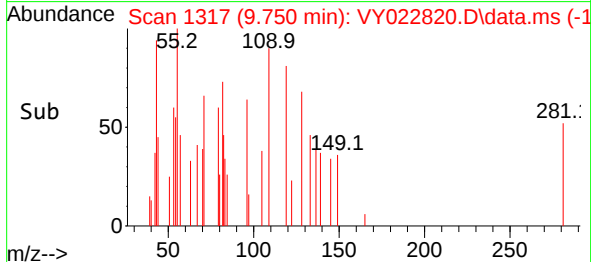
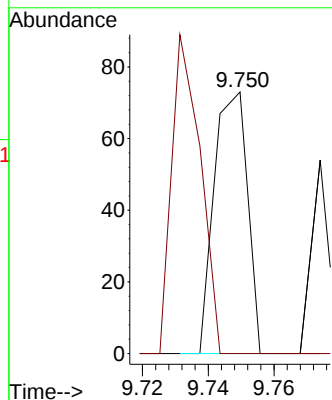
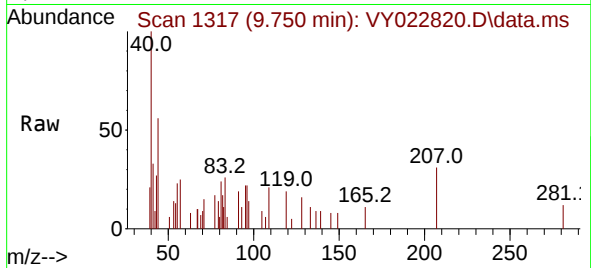




#58  
2-Chloroethyl Vinyl ether  
Concen: 15.675 ug/l  
RT: 9.750 min Scan# 1317  
Delta R.T. 0.037 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

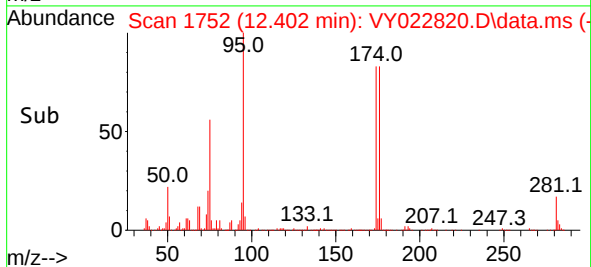
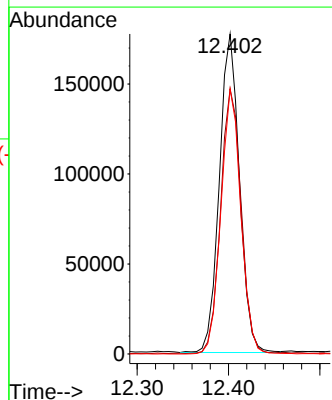
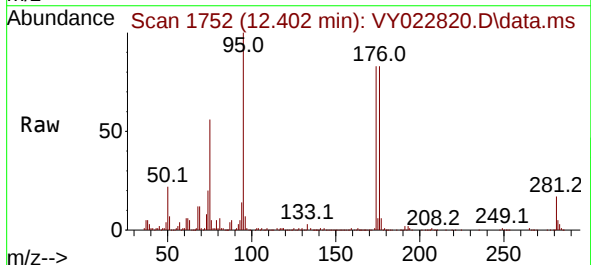
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

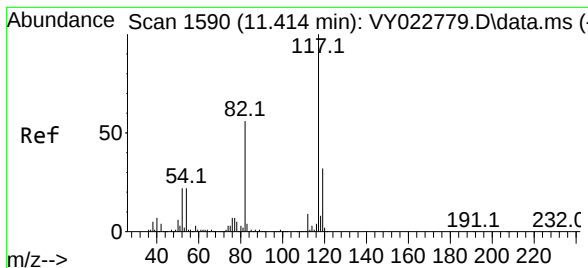
Tgt Ion: 63 Resp: 51  
Ion Ratio Lower Upper  
63 100  
106 105.9 21.6 32.4#



#62  
4-Bromofluorobenzene  
Concen: 50.608 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion: 95 Resp: 271200  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 170.0  
176 82.2 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: VY022820.D

Acq: 25 Jun 2025 13:22

Instrument :

MSVOA\_Y

ClientSampleId :

TP-34

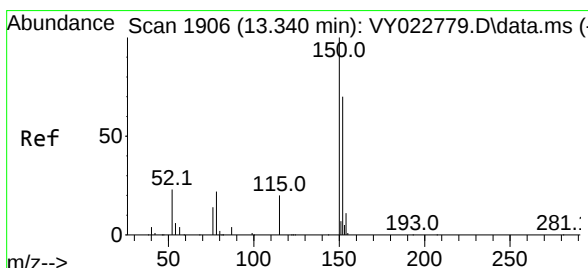
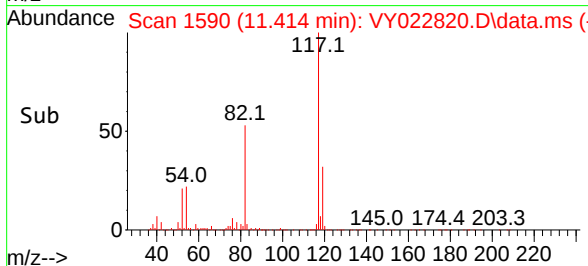
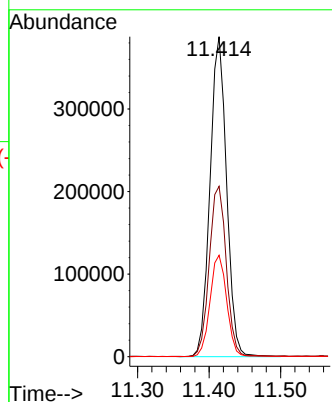
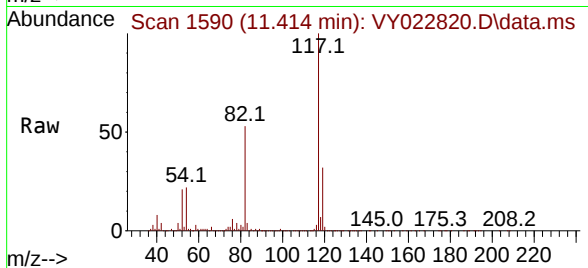
Tgt Ion:117 Resp: 622911

Ion Ratio Lower Upper

117 100

82 53.2 44.6 66.8

119 31.6 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: VY022820.D

Acq: 25 Jun 2025 13:22

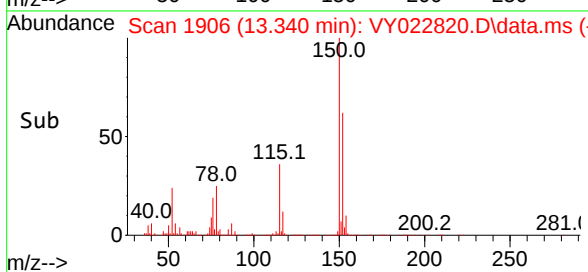
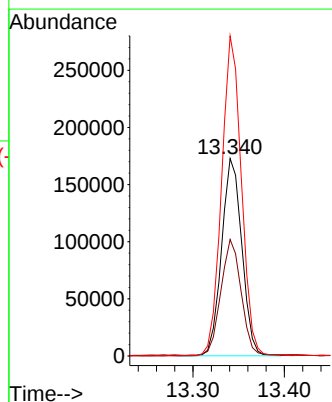
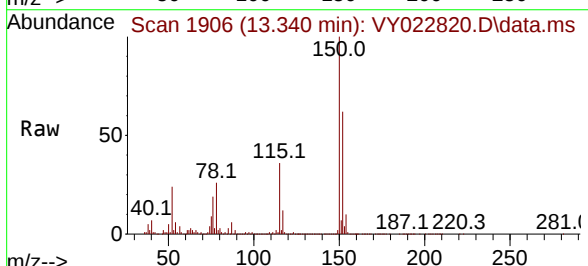
Tgt Ion:152 Resp: 266014

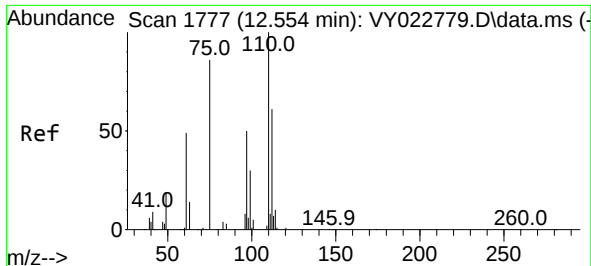
Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.7

150 158.4 0.0 349.6

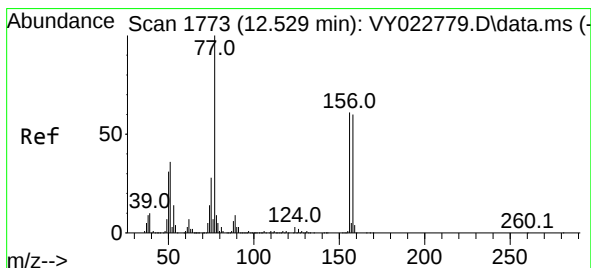
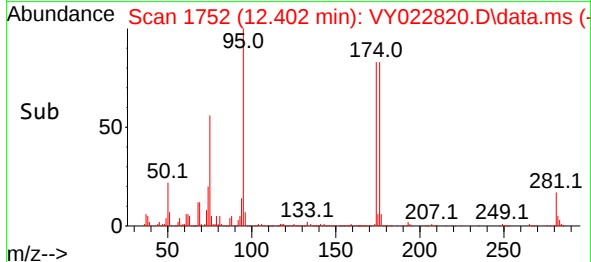
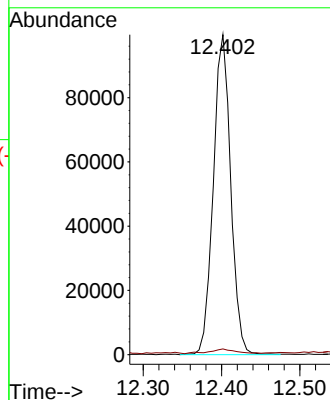
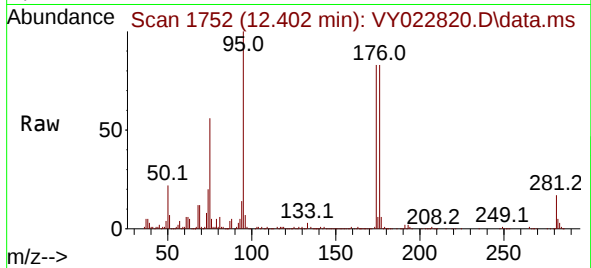




#76  
1,2,3-Trichloropropane  
Concen: 56.625 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.152 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

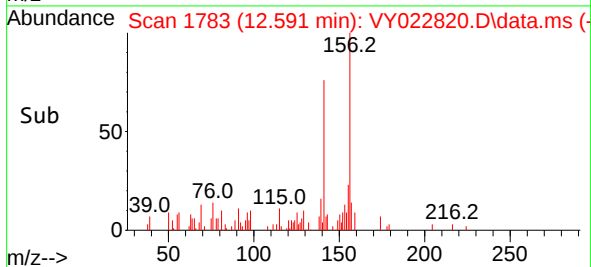
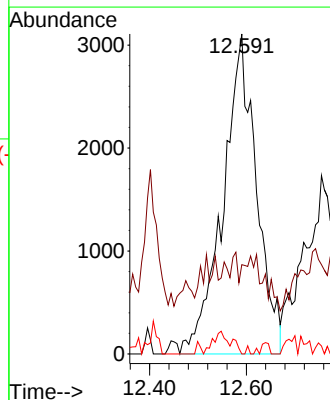
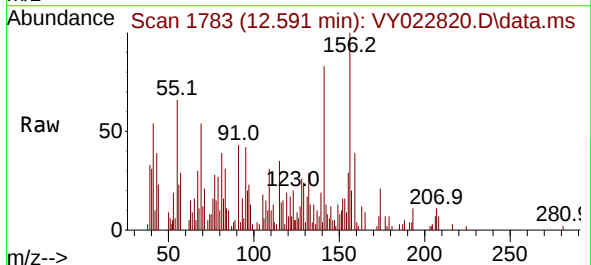
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-34

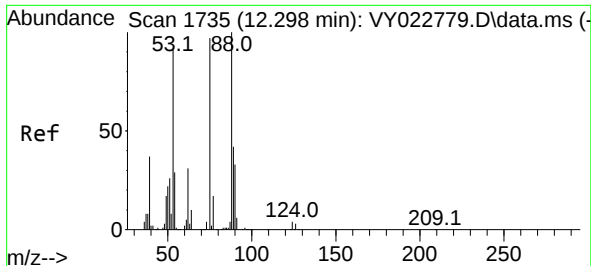
Tgt Ion: 75 Resp: 153781  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#77  
Bromobenzene  
Concen: 3.343 ug/l  
RT: 12.591 min Scan# 1783  
Delta R.T. 0.055 min  
Lab File: VY022820.D  
Acq: 25 Jun 2025 13:22

Tgt Ion:156 Resp: 14906  
Ion Ratio Lower Upper  
156 100  
77 1.4 94.0 282.1#  
158 0.0 48.2 144.6#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 143.057 ug/l  
 RT: 12.402 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY022820.D  
 Acq: 25 Jun 2025 13:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-34

Tgt Ion: 75 Resp: 153781  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 78.5 117.7#  
 89 0.0 35.7 53.5#

