

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060325\  
 Data File : VY022522.D  
 Acq On : 03 Jun 2025 15:01  
 Operator : SY/MD  
 Sample : Q2168-11  
 Misc : 4.30g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C2

Quant Time: Jun 04 04:13:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 97469    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 152123   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 83832    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 18701    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 51975    | 47.678   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.360% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 44730    | 49.263   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 98.520% |
| 50) Toluene-d8              | 10.103 | 98    | 168129   | 45.826   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.660% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 25573    | 23.394   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 46.780% |

|                               |        |     |         |          |        |        |
|-------------------------------|--------|-----|---------|----------|--------|--------|
| Target Compounds              |        |     |         |          |        | Qvalue |
| 11) Tert butyl alcohol        | 4.860  | 59  | 674     | 8.656    | ug/l # | 73     |
| 13) Acrolein                  | 3.653  | 56  | 247     | 2.545    | ug/l # | 14     |
| 16) Acetone                   | 3.866  | 43  | 9268    | 41.863   | ug/l # | 88     |
| 17) Carbon Disulfide          | 4.104  | 76  | 3712    | 1.134    | ug/l # | 61     |
| 20) Methylene Chloride        | 4.610  | 84  | 3370    | 2.680    | ug/l # | 85     |
| 25) 2-Butanone                | 6.896  | 43  | 3804    | 11.912   | ug/l   | 90     |
| 31) Cyclohexane               | 7.695  | 56  | 46522   | 22.209   | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.701  | 75  | 8894    | 6.035    | ug/l # | 50     |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 10114   | 6.690    | ug/l # | 15     |
| 39) Methylcyclohexane         | 9.109  | 83  | 103348  | 52.186   | ug/l   | 98     |
| 40) Benzene                   | 8.079  | 78  | 6567538 | 1508.872 | ug/l   | 99     |
| 42) 1,2-Dichloroethane        | 8.079  | 62  | 60493   | 50.901   | ug/l # | 74     |
| 43) Isopropyl Acetate         | 8.183  | 43  | 3557    | 2.506    | ug/l # | 61     |
| 45) 1,2-Dichloropropane       | 9.103  | 63  | 1313    | 1.276    | ug/l # | 1      |
| 48) Methyl methacrylate       | 9.170  | 41  | 4016    | 6.029    | ug/l # | 42     |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43  | 11425   | 16.145   | ug/l   | 95     |
| 52) Toluene                   | 10.170 | 92  | 5579717 | 2039.879 | ug/l   | 93     |
| 53) t-1,3-Dichloropropene     | 10.170 | 75  | 69278   | 50.387   | ug/l # | 1      |
| 55) 1,1,2-Trichloroethane     | 10.542 | 97  | 9412    | 12.754   | ug/l # | 19     |
| 56) Ethyl methacrylate        | 10.445 | 69  | 5848    | 5.483    | ug/l # | 24     |
| 59) 2-Hexanone                | 10.731 | 43  | 11643   | 24.602   | ug/l # | 30     |
| 67) Ethyl Benzene             | 11.518 | 91  | 558968  | 162.453  | ug/l   | 99     |
| 68) m/p-Xylenes               | 11.621 | 106 | 1340595 | 1027.771 | ug/l   | 100    |
| 69) o-Xylene                  | 11.950 | 106 | 542787  | 443.839  | ug/l   | 100    |
| 70) Styrene                   | 11.963 | 104 | 157683  | 78.003   | ug/l # | 50     |
| 73) Isopropylbenzene          | 12.249 | 105 | 26270   | 17.110   | ug/l   | 92     |
| 74) N-amyl acetate            | 12.048 | 43  | 6269    | 16.182   | ug/l # | 55     |
| 75) 1,1,2,2-Tetrachloroethane | 12.450 | 83  | 733     | 2.909    | ug/l # | 25     |
| 76) 1,2,3-Trichloropropane    | 12.603 | 75  | 579     | 2.706    | ug/l # | 100    |
| 78) n-propylbenzene           | 12.591 | 91  | 72905   | 38.877   | ug/l   | 100    |
| 79) 2-Chlorotoluene           | 12.658 | 91  | 27295   | 27.463   | ug/l # | 45     |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105 | 153892  | 127.670  | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-b... | 12.243 | 75  | 529     | 5.971    | ug/l # | 67     |
| 82) 4-Chlorotoluene           | 12.731 | 91  | 17432   | 17.002   | ug/l # | 41     |
| 83) tert-Butylbenzene         | 13.231 | 119 | 12625   | 11.670   | ug/l   | 71     |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105 | 407740  | 338.208  | ug/l   | 100    |

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 Operator : SY/MD  
 Sample : Q2168-11  
 Misc : 4.30g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

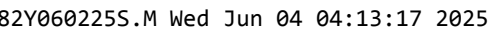
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C2

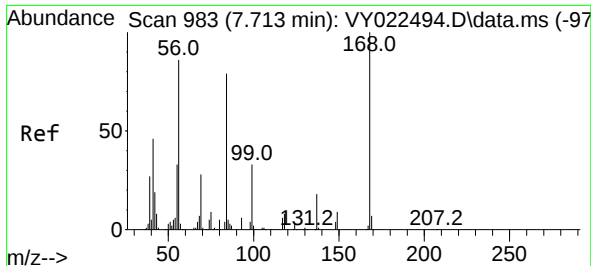
Quant Time: Jun 04 04:13:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 85) sec-Butylbenzene          | 13.042 | 105  | 407740   | 246.086 | ug/l # | 57       |
| 86) p-Isopropyltoluene        | 13.286 | 119  | 9612     | 7.038   | ug/l   | 90       |
| 88) 1,4-Dichlorobenzene       | 13.359 | 146  | 739      | 1.161   | ug/l # | 14       |
| 89) n-Butylbenzene            | 13.615 | 91   | 7329     | 5.656   | ug/l # | 73       |
| 90) Hexachloroethane          | 13.889 | 117  | 2649     | 9.963   | ug/l # | 16       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.249 | 75   | 277      | 7.550   | ug/l # | 16       |
| 95) Naphthalene               | 15.139 | 128  | 430711   | 738.370 | ug/l   | 99       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 03 03:22:04 2025  
Response via : Initial Calibration

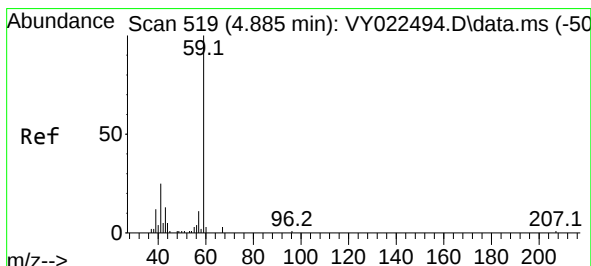
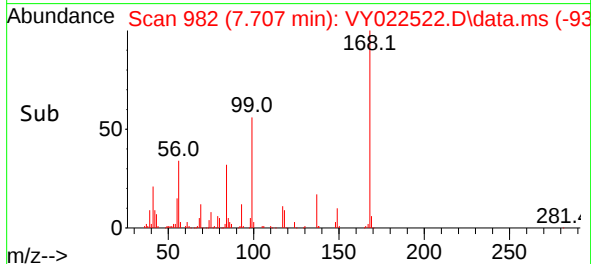
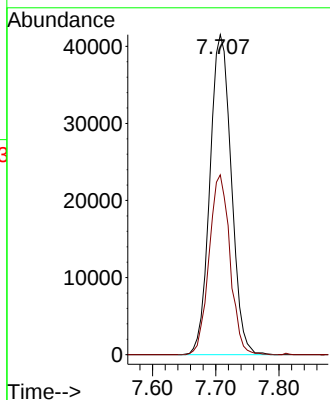
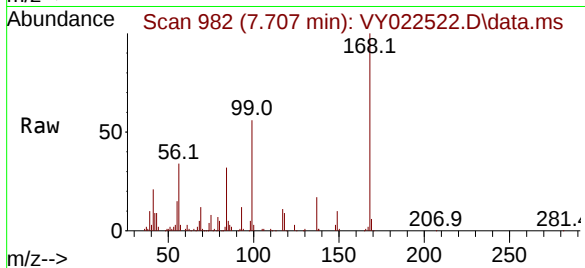




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

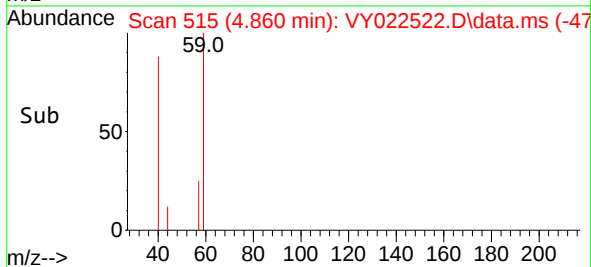
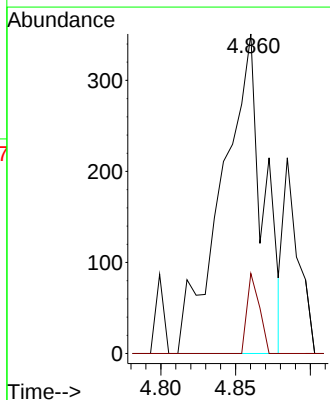
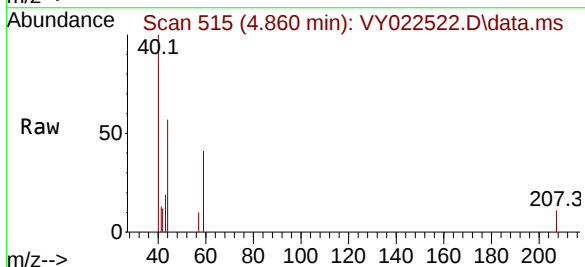
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

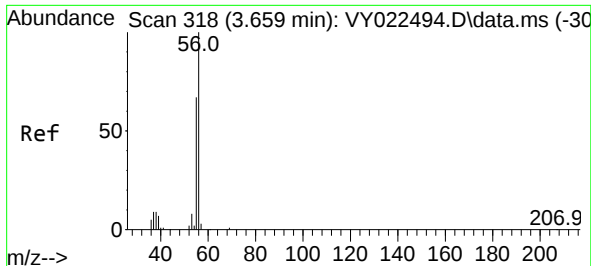
Tgt Ion:168 Resp: 97469  
Ion Ratio Lower Upper  
168 100  
99 56.2 44.3 66.5



#11  
Tert butyl alcohol  
Concen: 8.656 ug/l  
RT: 4.860 min Scan# 515  
Delta R.T. -0.024 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

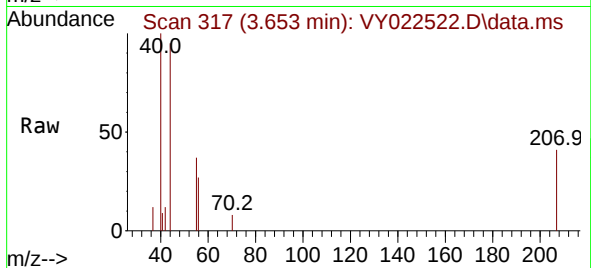
Tgt Ion: 59 Resp: 674  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#



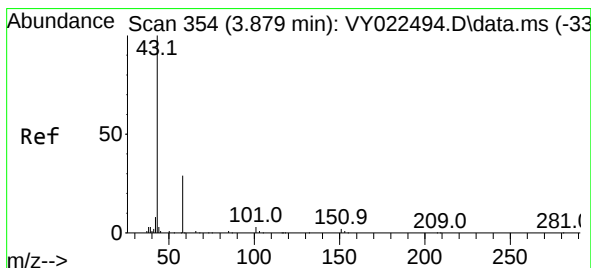
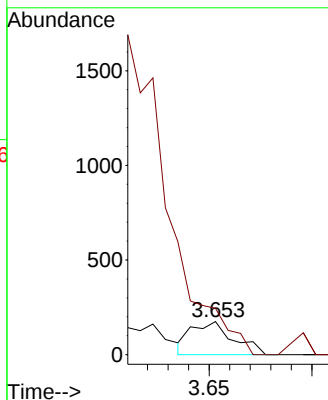
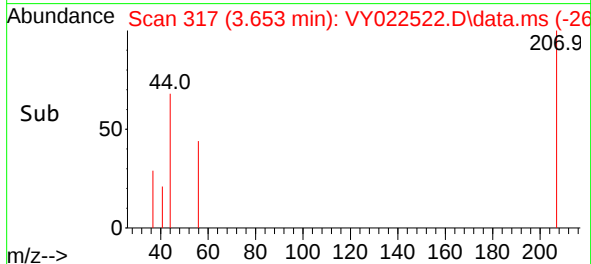


#13  
Acrolein  
Concen: 2.545 ug/l  
RT: 3.653 min Scan# 317  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

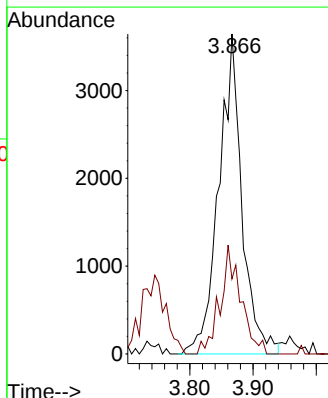
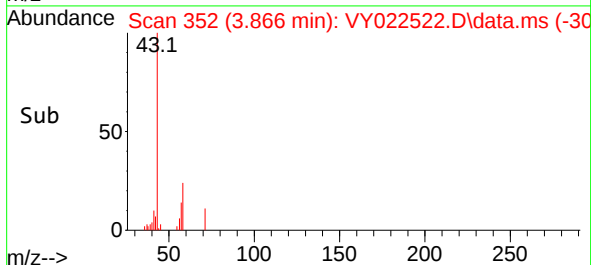
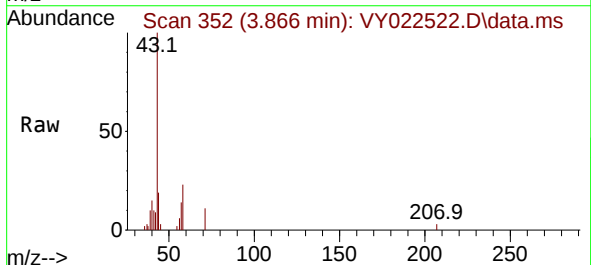


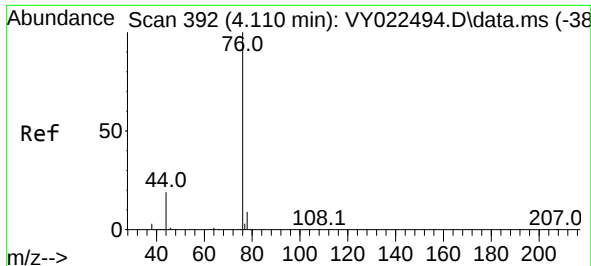
Tgt Ion: 56 Resp: 247  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.0 85.6#



#16  
Acetone  
Concen: 41.863 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.012 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 43 Resp: 9268  
Ion Ratio Lower Upper  
43 100  
58 23.4 24.0 36.0#

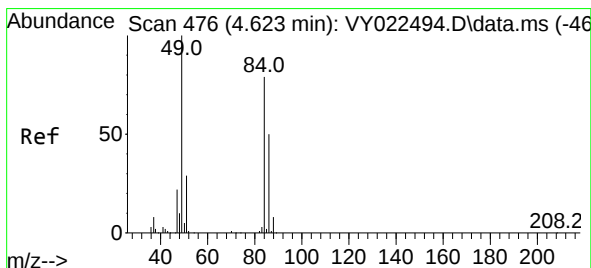
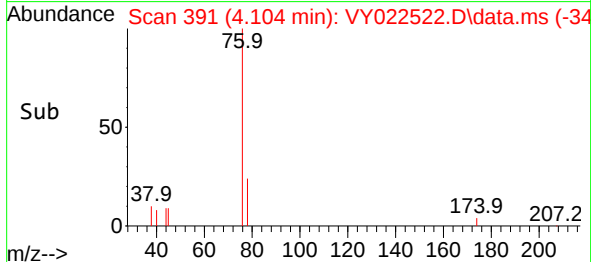
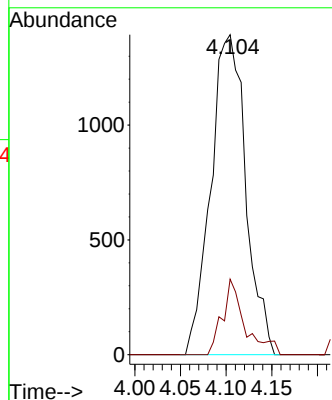
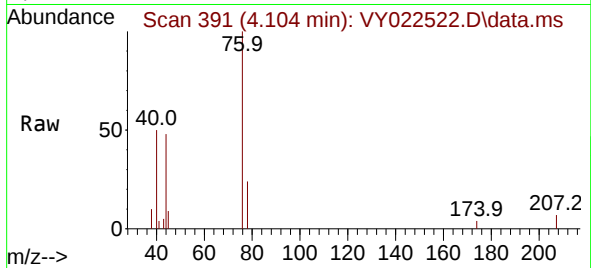




#17  
Carbon Disulfide  
Concen: 1.134 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

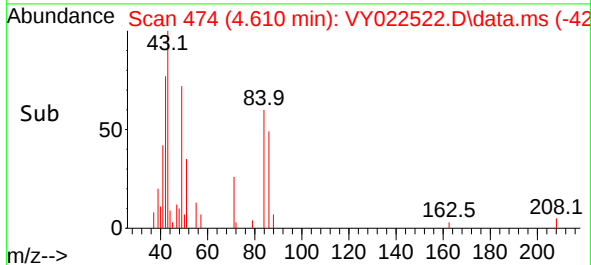
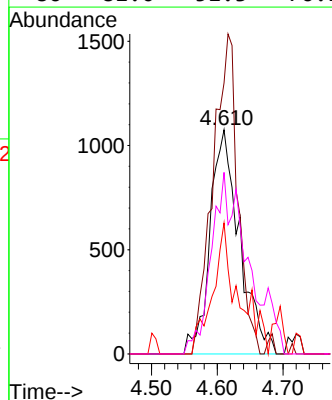
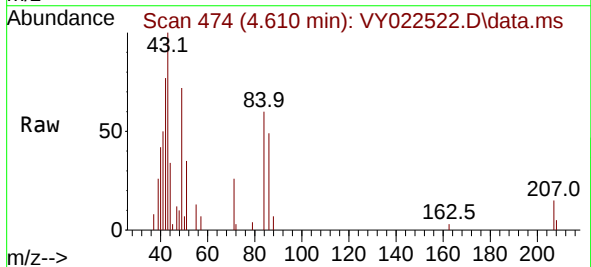
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

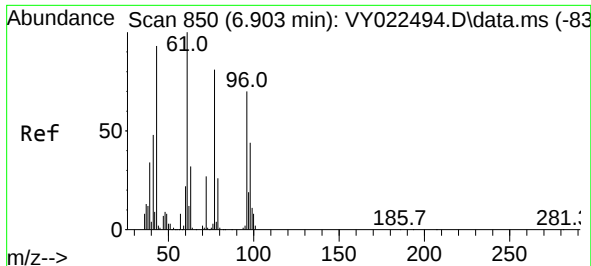
Tgt Ion: 76 Resp: 3712  
Ion Ratio Lower Upper  
76 100  
78 23.6 7.4 11.2#



#20  
Methylene Chloride  
Concen: 2.680 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.012 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 84 Resp: 3370  
Ion Ratio Lower Upper  
84 100  
49 120.9 101.9 152.9  
51 58.5 29.8 44.8#  
86 81.0 51.3 76.9#

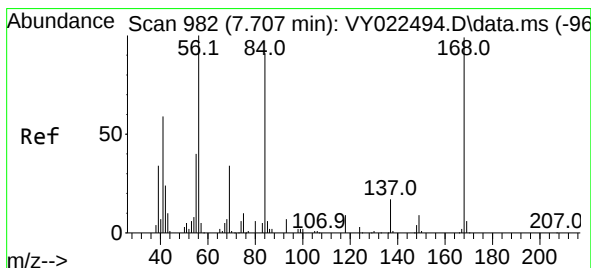
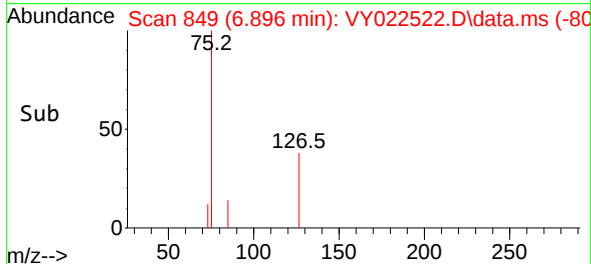
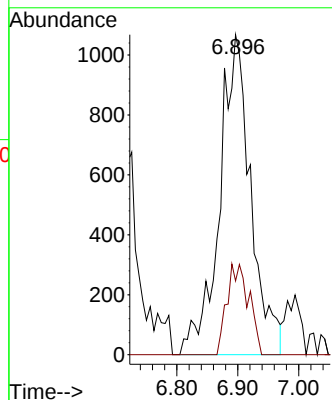
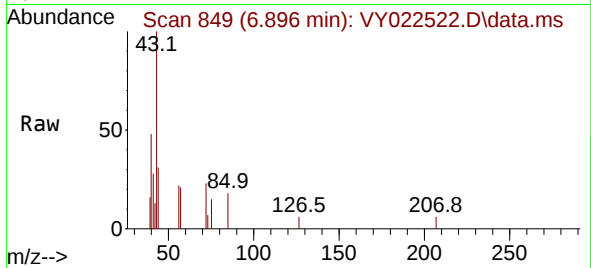




#25  
2-Butanone  
Concen: 11.912 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

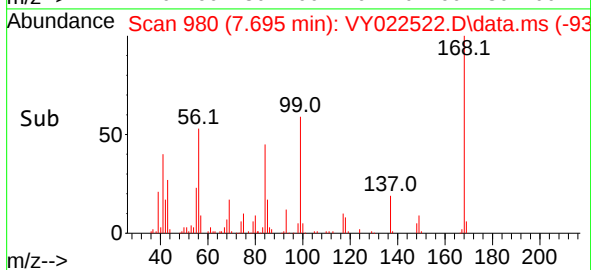
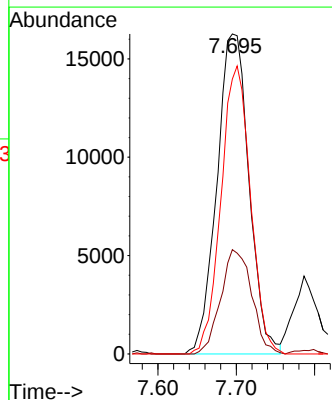
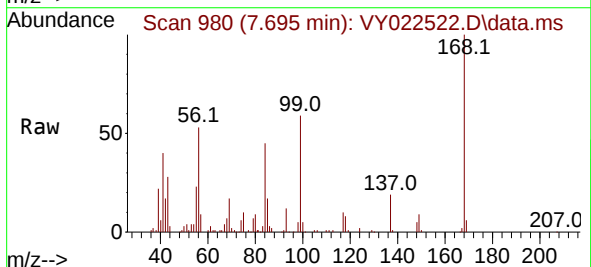
Instrument :  
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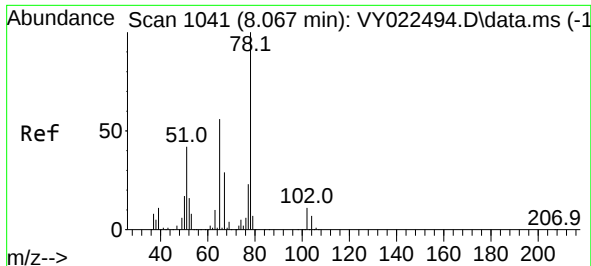
Tgt Ion: 43 Resp: 3804  
Ion Ratio Lower Upper  
43 100  
72 23.0 22.9 34.3



#31  
Cyclohexane  
Concen: 22.209 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. -0.012 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 56 Resp: 46522  
Ion Ratio Lower Upper  
56 100  
69 32.6 27.0 40.6  
84 85.9 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 47.678 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

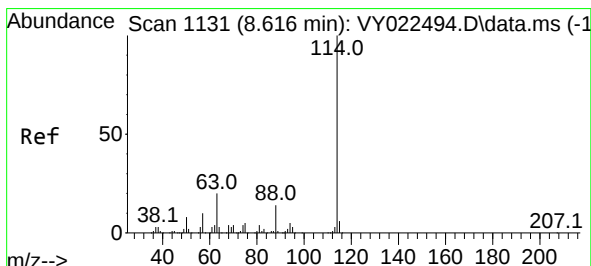
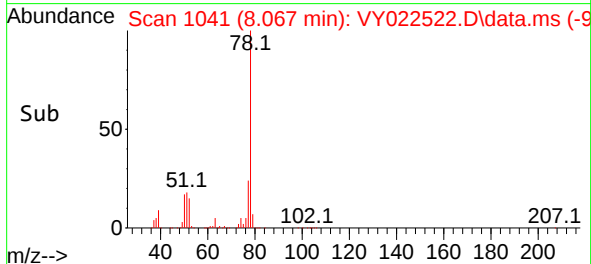
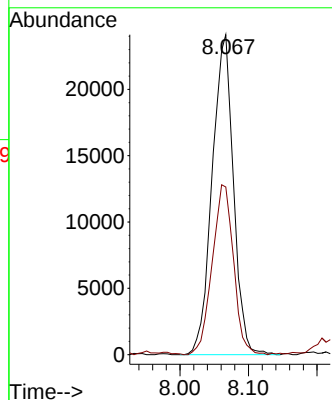
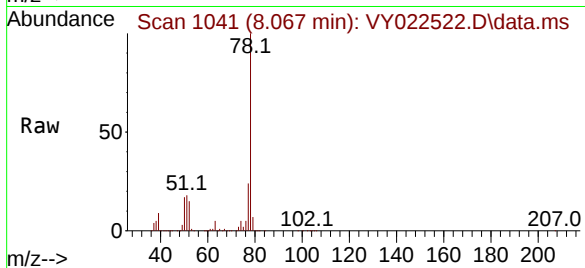
C2

Tgt Ion: 65 Resp: 51975

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

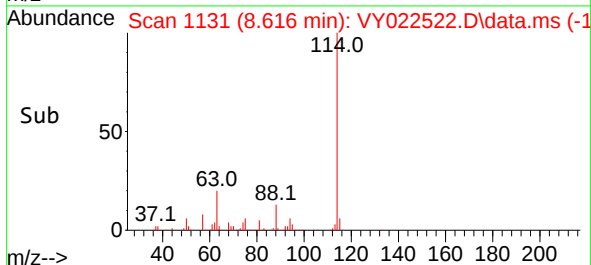
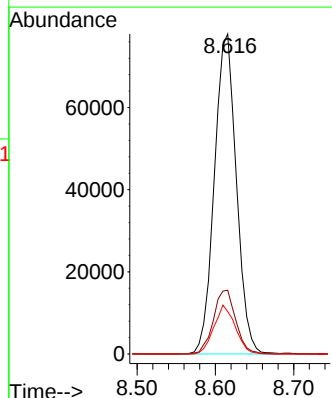
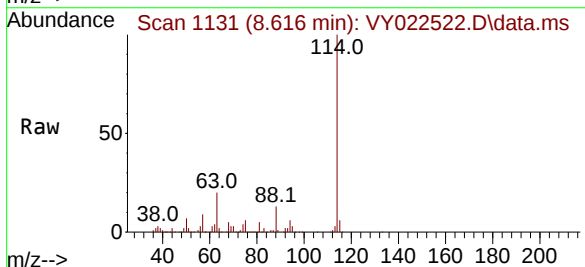
Tgt Ion: 114 Resp: 152123

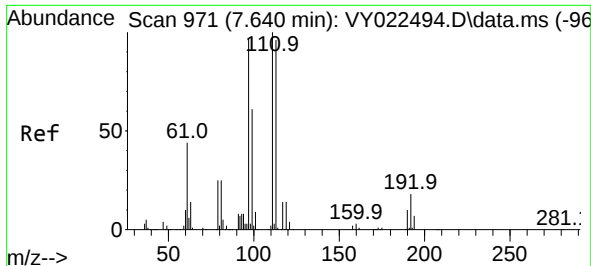
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 13.3 0.0 27.8

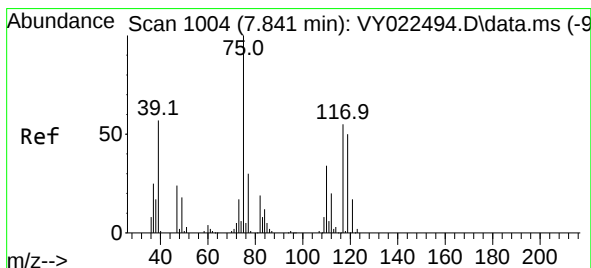
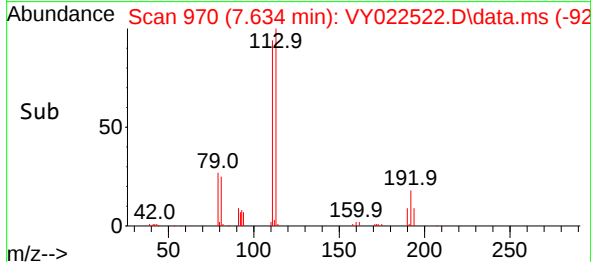
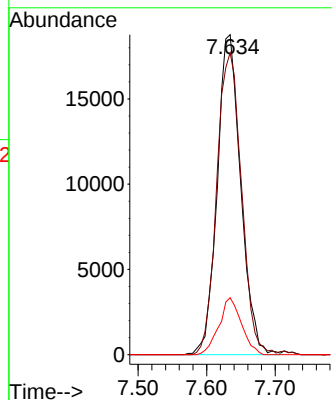
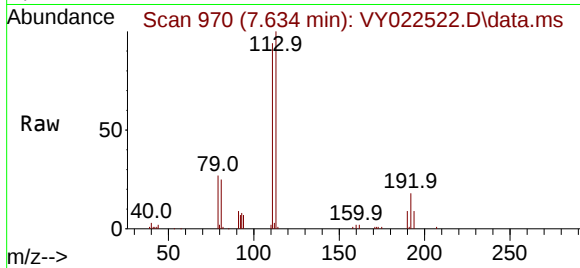




#35  
Dibromofluoromethane  
Concen: 49.263 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

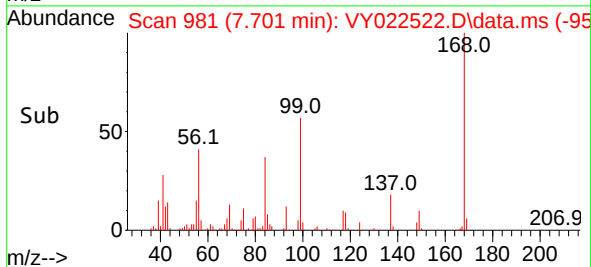
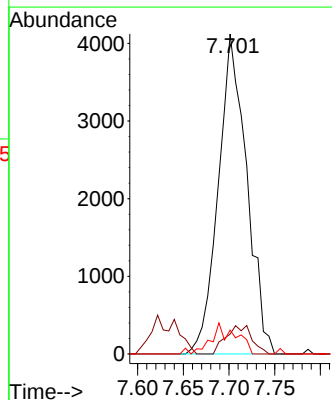
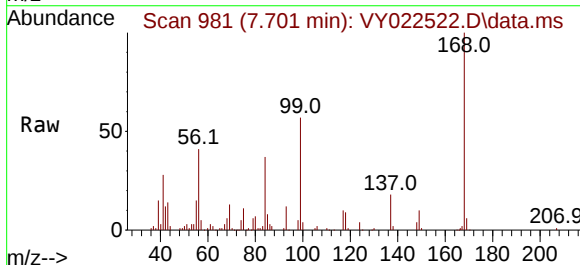
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

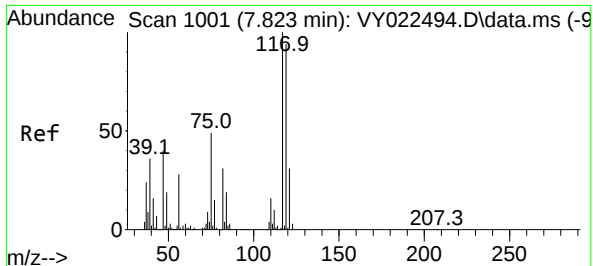
Tgt Ion:113 Resp: 44730  
Ion Ratio Lower Upper  
113 100  
111 98.9 81.1 121.7  
192 17.0 14.2 21.2



#36  
1,1-Dichloropropene  
Concen: 6.035 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.140 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 75 Resp: 8894  
Ion Ratio Lower Upper  
75 100  
110 8.1 16.9 50.7#  
77 0.0 24.8 37.2#

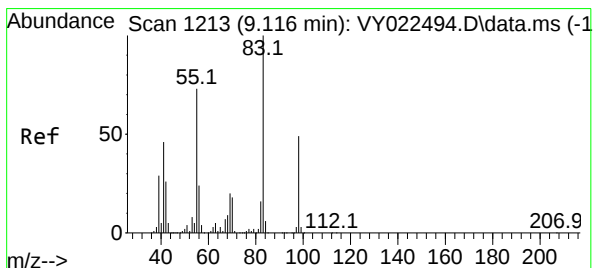
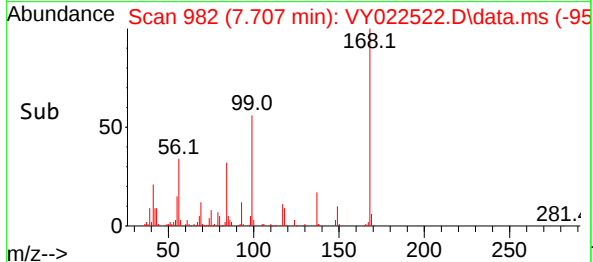
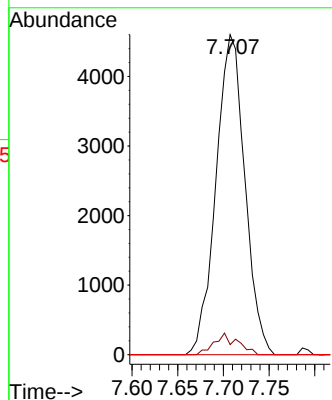
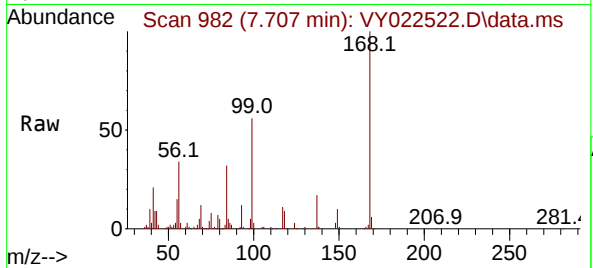




#38  
Carbon Tetrachloride  
Concen: 6.690 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

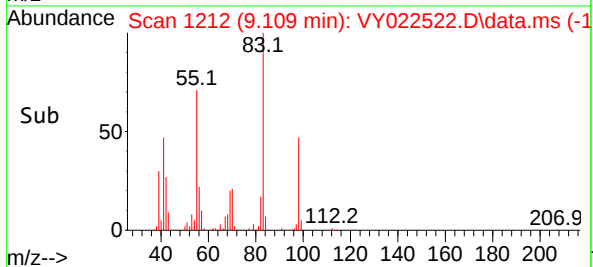
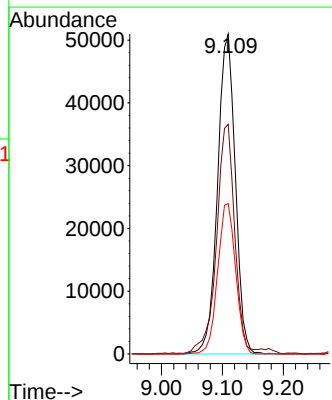
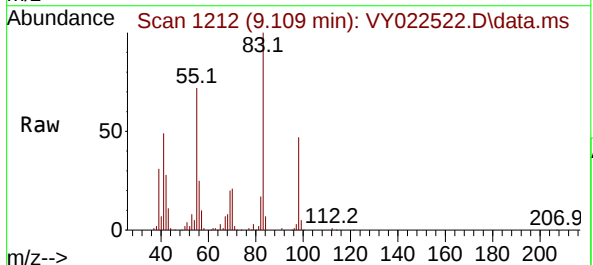
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

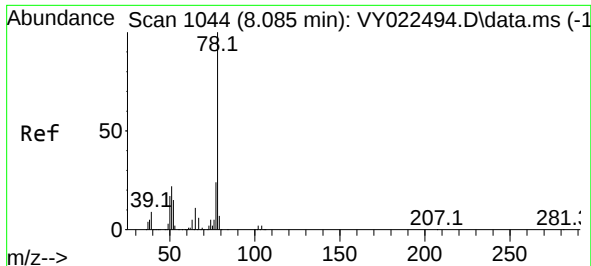
Tgt Ion:117 Resp: 10114  
Ion Ratio Lower Upper  
117 100  
119 3.1 75.0 112.6#  
121 0.0 25.0 37.4#



#39  
Methylcyclohexane  
Concen: 52.186 ug/l  
RT: 9.109 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 83 Resp: 103348  
Ion Ratio Lower Upper  
83 100  
55 71.6 58.1 87.1  
98 47.0 39.0 58.6

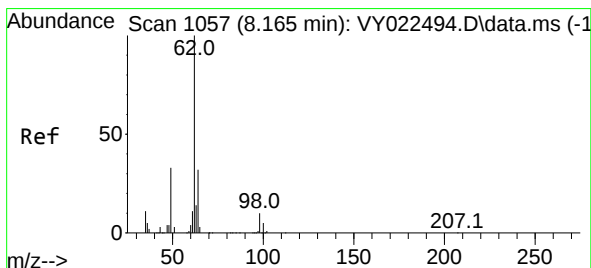
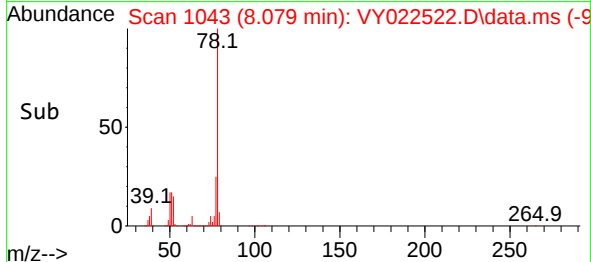
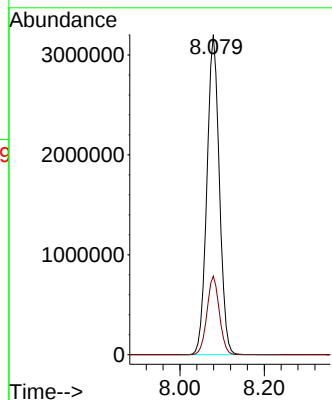
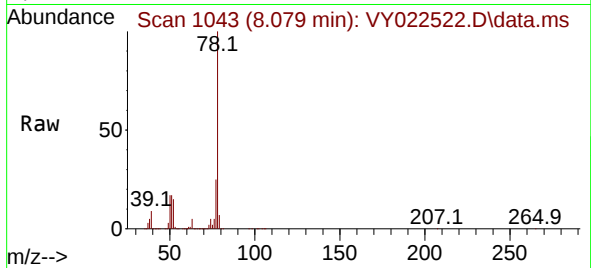




#40  
Benzene  
Concen: 1508.872 ug/l  
RT: 8.079 min Scan# 1043  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

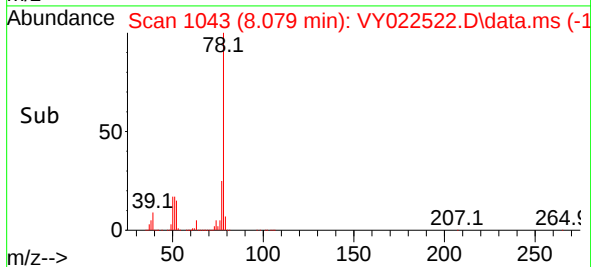
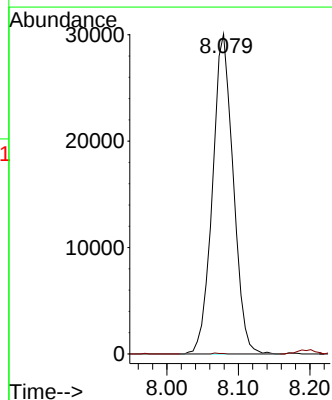
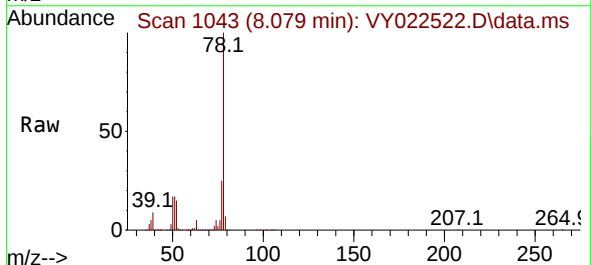
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

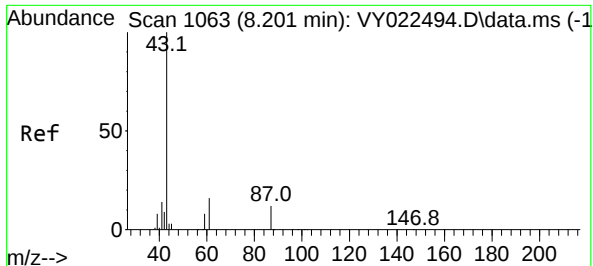
Tgt Ion: 78 Resp: 6567538  
Ion Ratio Lower Upper  
78 100  
77 24.5 19.3 28.9



#42  
1,2-Dichloroethane  
Concen: 50.901 ug/l  
RT: 8.079 min Scan# 1043  
Delta R.T. -0.085 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 62 Resp: 60493  
Ion Ratio Lower Upper  
62 100  
98 0.0 0.0 19.2

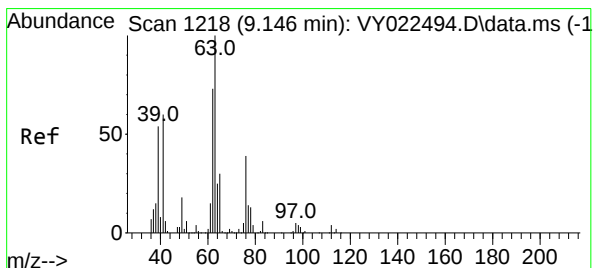
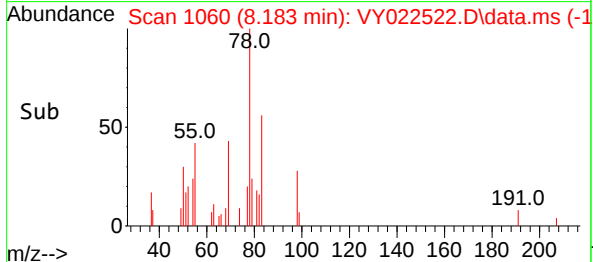
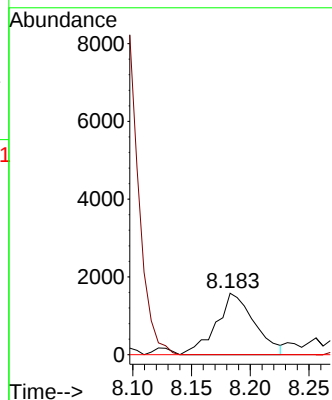
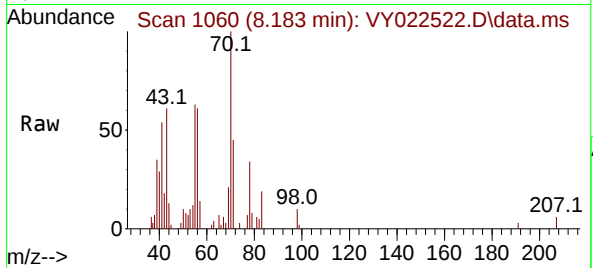




#43  
Isopropyl Acetate  
Concen: 2.506 ug/l  
RT: 8.183 min Scan# 1060  
Delta R.T. -0.018 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

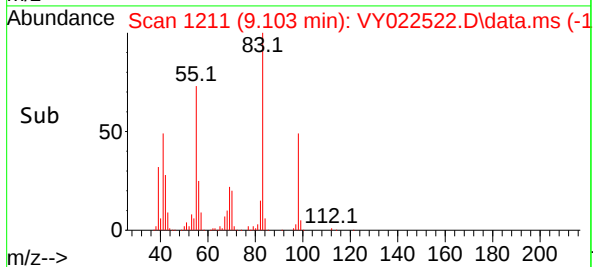
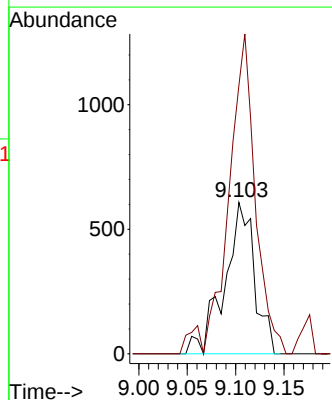
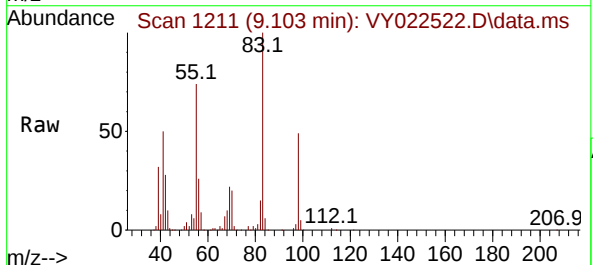
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

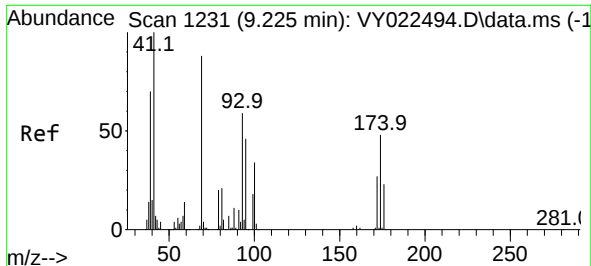
Tgt Ion: 43 Resp: 3557  
Ion Ratio Lower Upper  
43 100  
61 0.0 15.6 23.4#  
87 0.0 10.2 15.4#



#45  
1,2-Dichloropropane  
Concen: 1.276 ug/l  
RT: 9.103 min Scan# 1211  
Delta R.T. -0.043 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 63 Resp: 1313  
Ion Ratio Lower Upper  
63 100  
65 177.3 24.0 36.0#





#48

Methyl methacrylate

Concen: 6.029 ug/l

RT: 9.170 min Scan# 11

Delta R.T. -0.055 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

C2

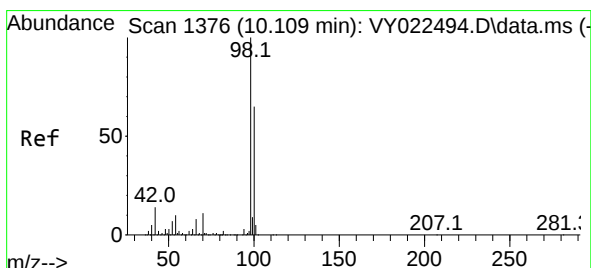
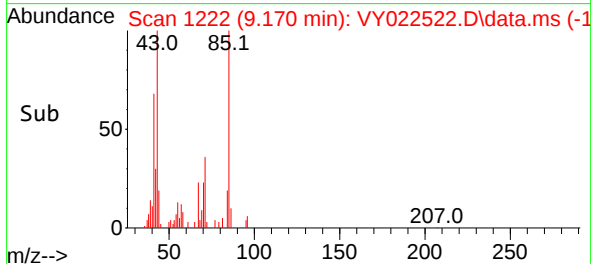
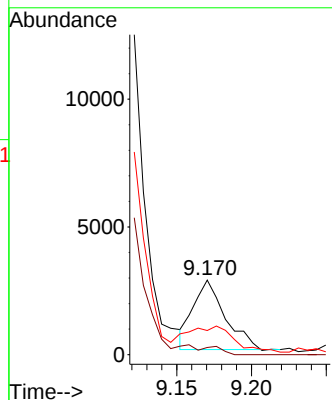
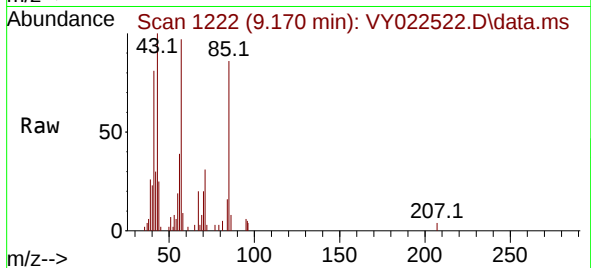
Tgt Ion: 41 Resp: 4016

Ion Ratio Lower Upper

41 100

69 0.0 67.8 101.8#

39 57.1 55.0 82.4



#50

Toluene-d8

Concen: 45.826 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022522.D

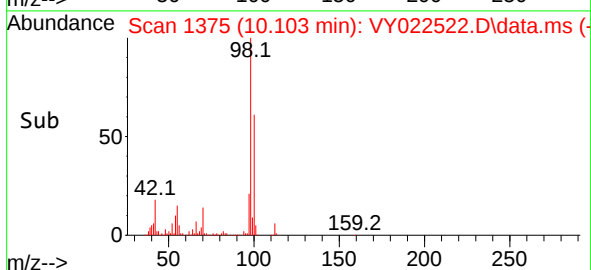
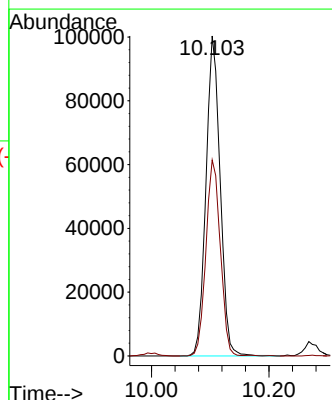
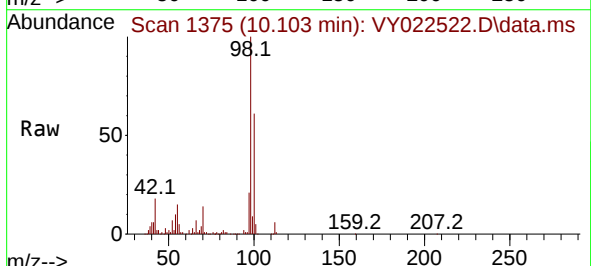
Acq: 03 Jun 2025 15:01

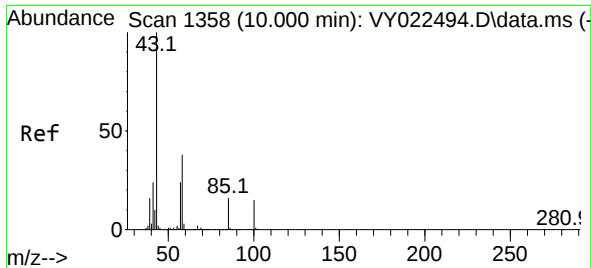
Tgt Ion: 98 Resp: 168129

Ion Ratio Lower Upper

98 100

100 62.0 51.4 77.0

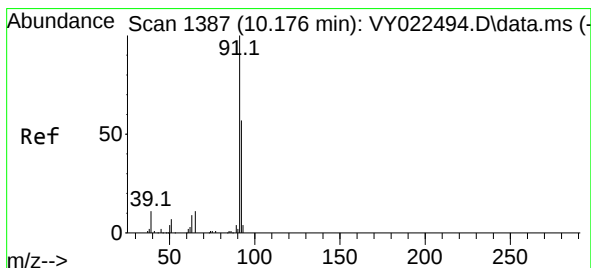
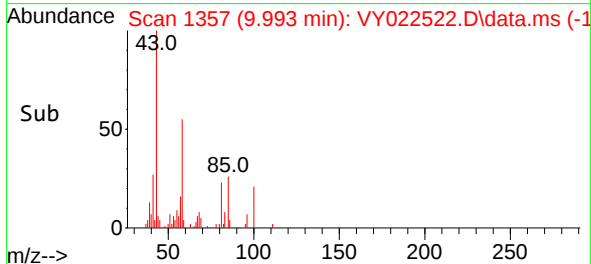
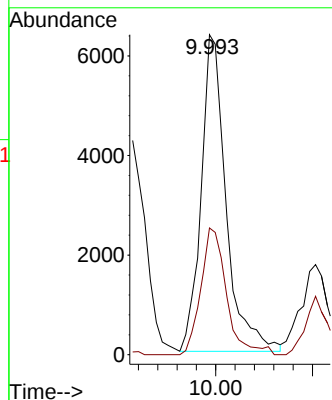
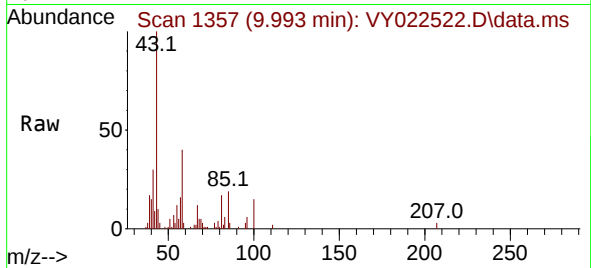




#51  
4-Methyl-2-Pentanone  
Concen: 16.145 ug/l  
RT: 9.993 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

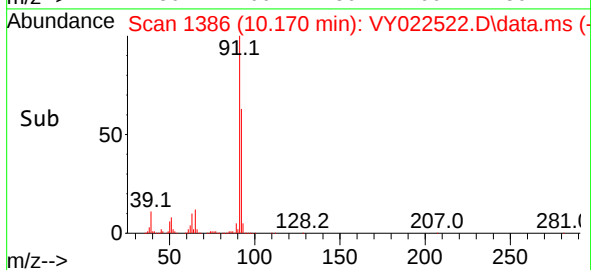
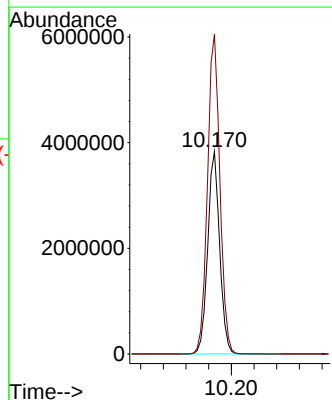
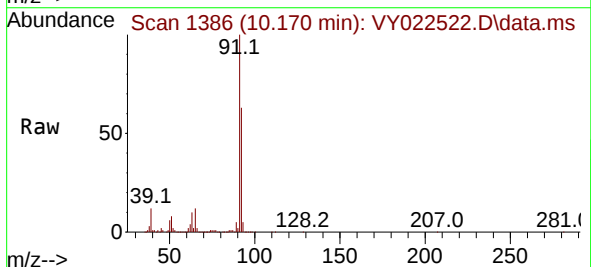
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

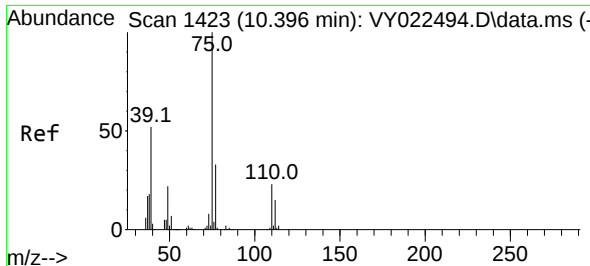
Tgt Ion: 43 Resp: 11425  
Ion Ratio Lower Upper  
43 100  
58 41.0 30.4 45.6



#52  
Toluene  
Concen: 2039.879 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 92 Resp: 5579717  
Ion Ratio Lower Upper  
92 100  
91 164.7 139.0 208.4

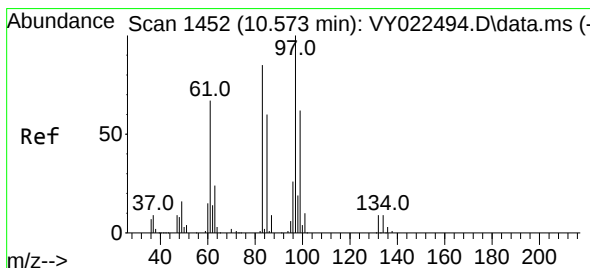
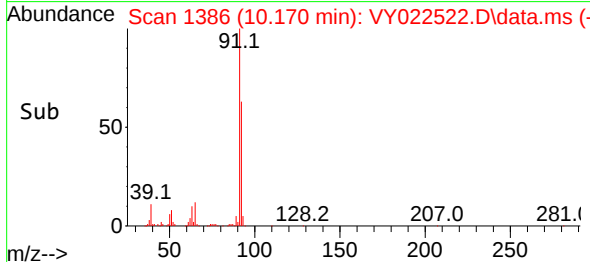
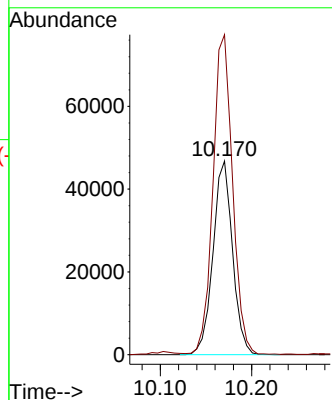
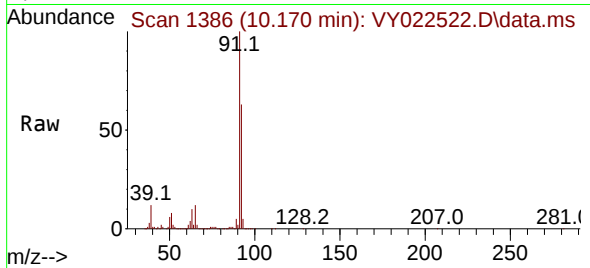




#53  
t-1,3-Dichloropropene  
Concen: 50.387 ug/l  
RT: 10.170 min Scan# 11  
Delta R.T. -0.226 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

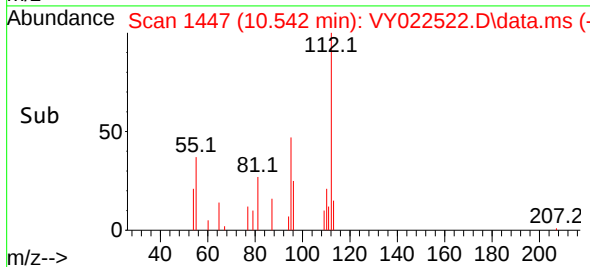
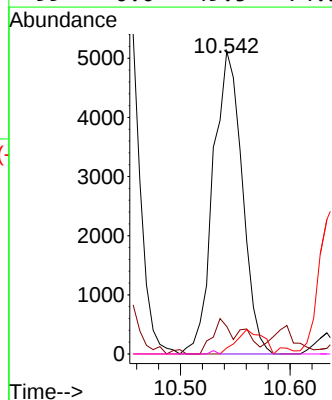
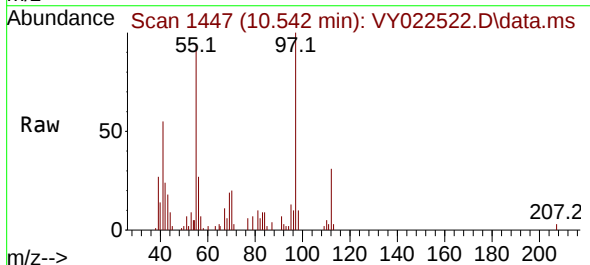
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

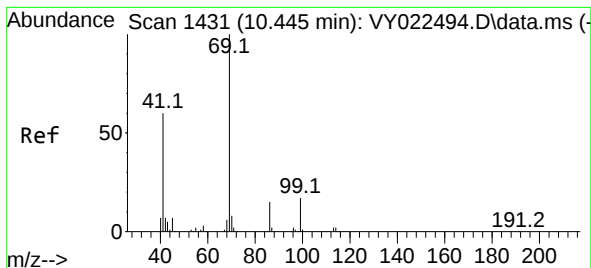
Tgt Ion: 75 Resp: 69278  
Ion Ratio Lower Upper  
75 100  
77 165.2 26.5 39.7#



#55  
1,1,2-Trichloroethane  
Concen: 12.754 ug/l  
RT: 10.542 min Scan# 1447  
Delta R.T. -0.031 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 97 Resp: 9412  
Ion Ratio Lower Upper  
97 100  
83 7.7 68.1 102.1#  
85 2.0 48.2 72.2#  
99 0.0 49.5 74.3#

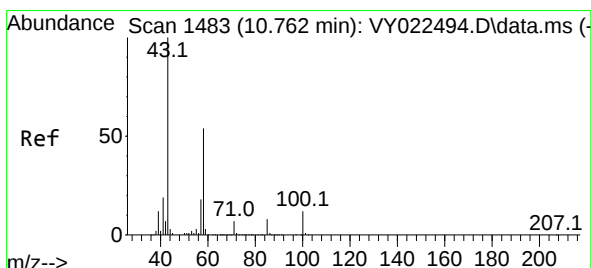
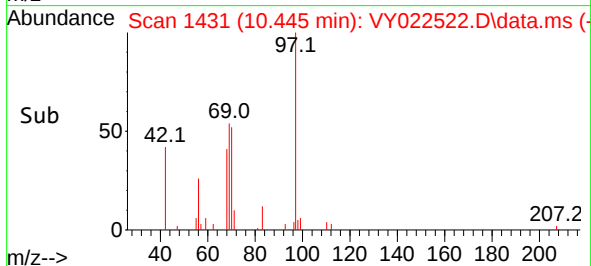
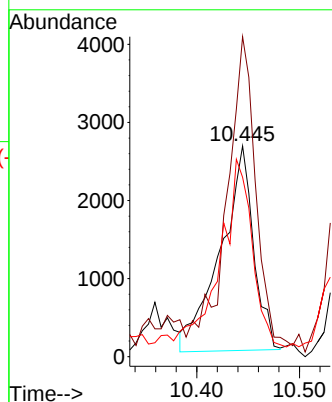
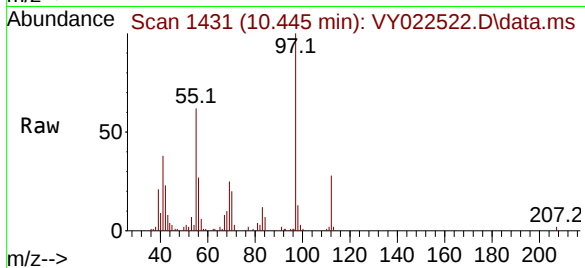




#56  
Ethyl methacrylate  
Concen: 5.483 ug/l  
RT: 10.445 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

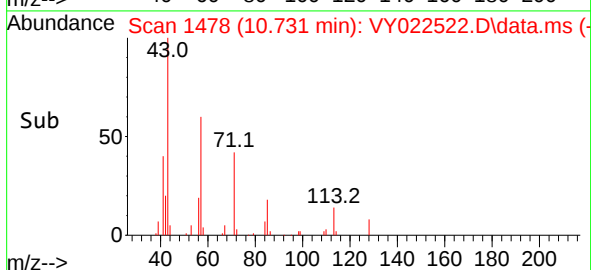
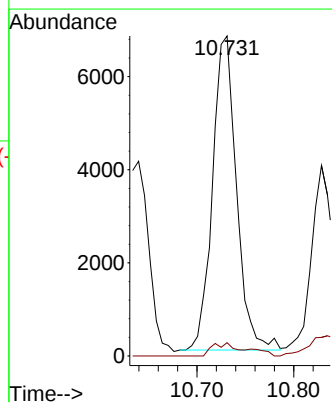
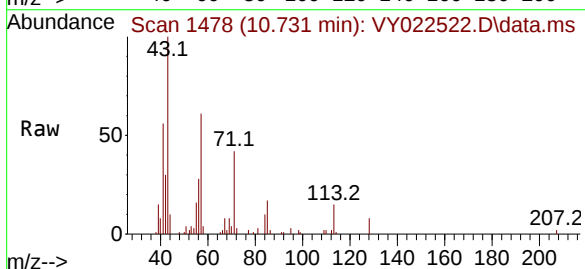
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

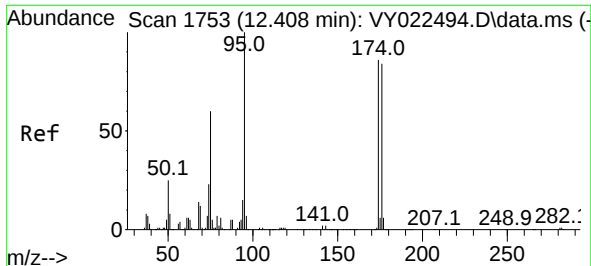
Tgt Ion: 69 Resp: 5848  
Ion Ratio Lower Upper  
69 100  
41 128.9 52.2 78.2#  
39 0.0 36.7 55.1#



#59  
2-Hexanone  
Concen: 24.602 ug/l  
RT: 10.731 min Scan# 1478  
Delta R.T. -0.031 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 43 Resp: 11643  
Ion Ratio Lower Upper  
43 100  
58 4.2 27.3 81.8#

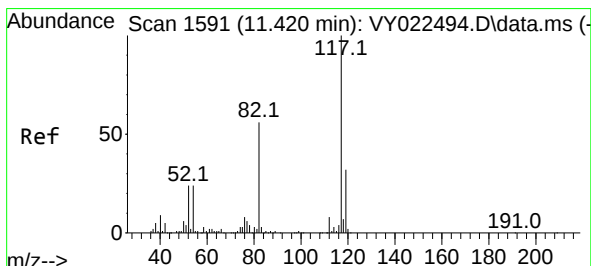
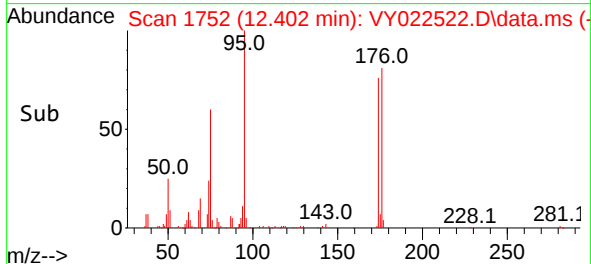
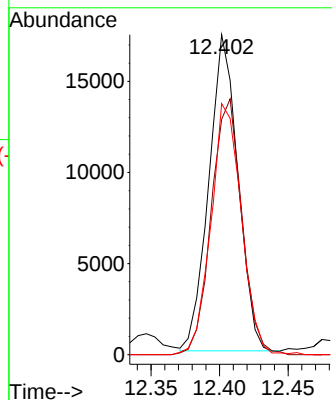
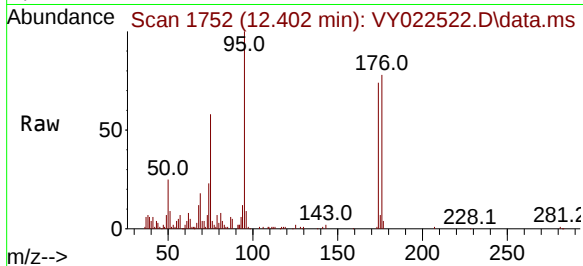




#62  
4-Bromofluorobenzene  
Concen: 23.394 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

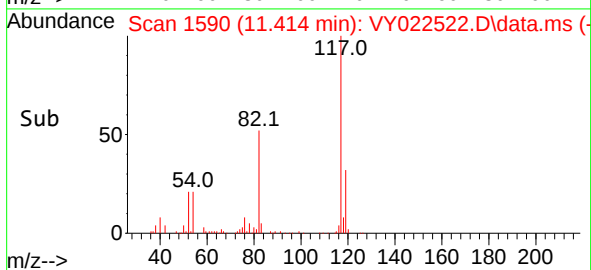
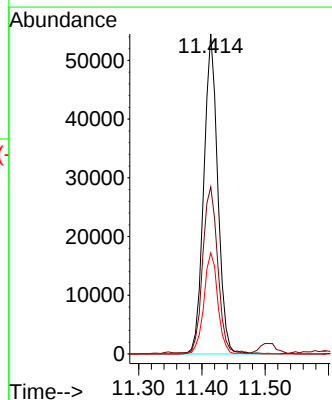
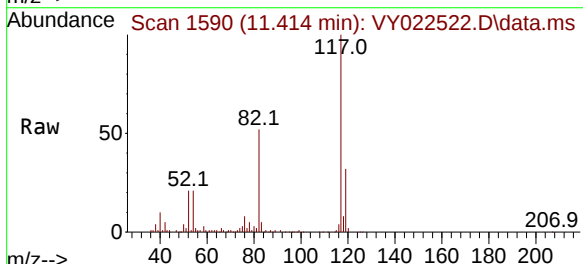
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

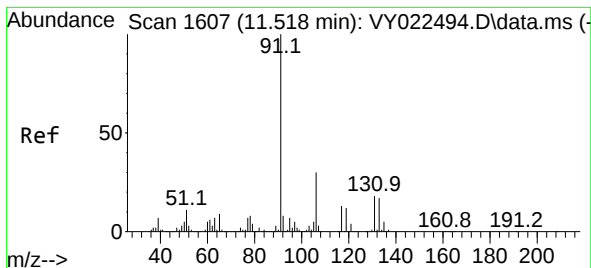
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 25573 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 85.0  | 0.0   | 170.0 |
| 176       | 83.4  | 0.0   | 166.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 83832 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 51.8  | 44.6  | 66.8  |
| 119       | 31.6  | 25.4  | 38.0  |





#67

Ethyl Benzene

Concen: 162.453 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

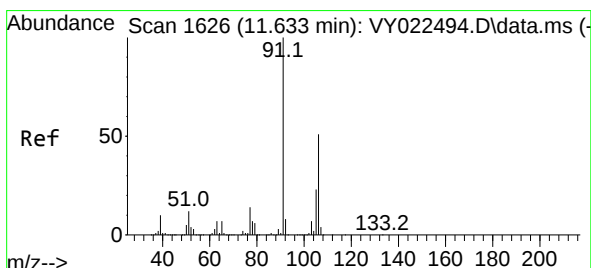
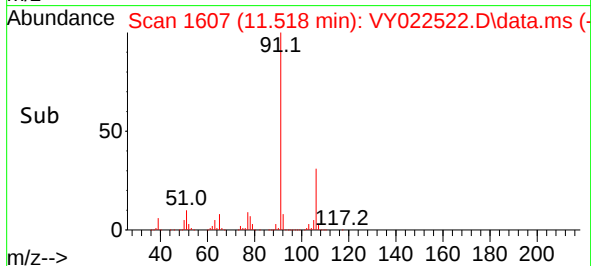
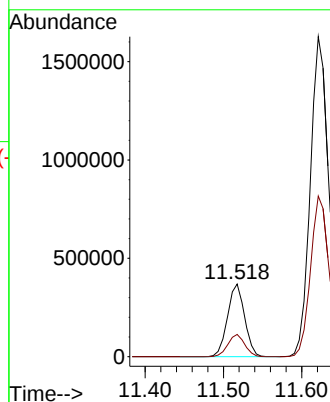
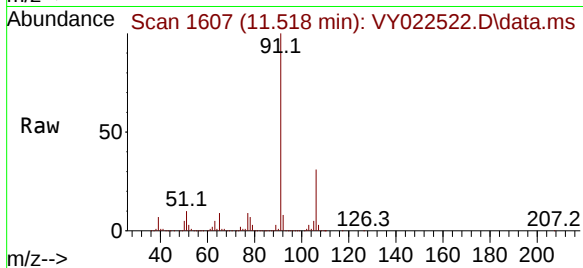
C2

Tgt Ion: 91 Resp: 558968

Ion Ratio Lower Upper

91 100

106 30.7 24.2 36.4



#68

m/p-Xylenes

Concen: 1027.771 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY022522.D

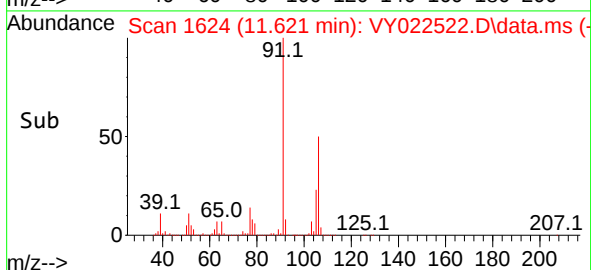
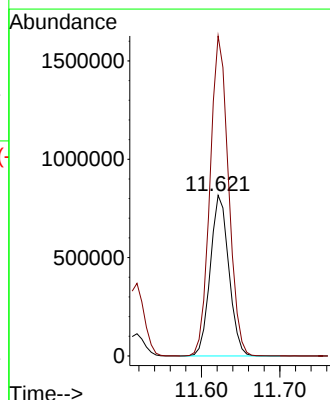
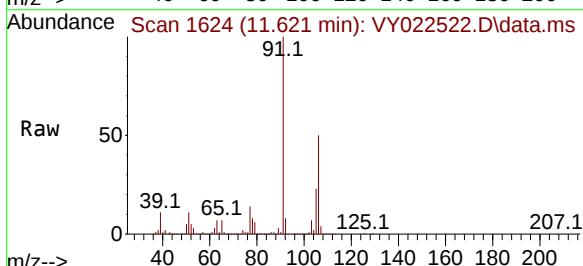
Acq: 03 Jun 2025 15:01

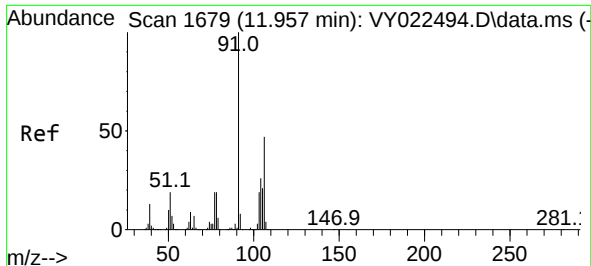
Tgt Ion:106 Resp: 1340595

Ion Ratio Lower Upper

106 100

91 198.7 159.4 239.0

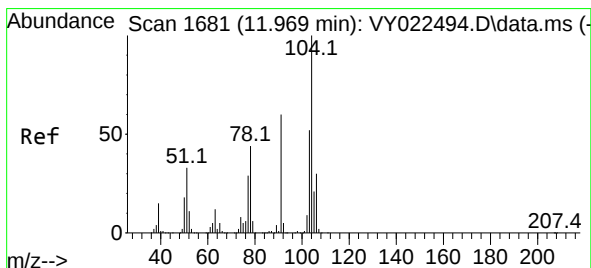
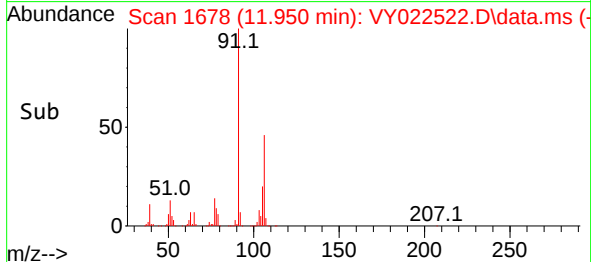
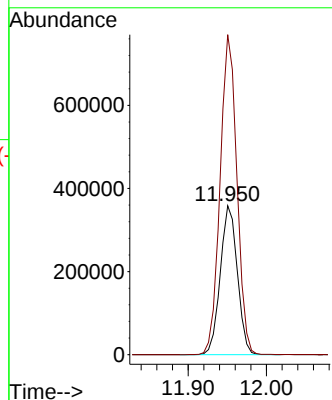
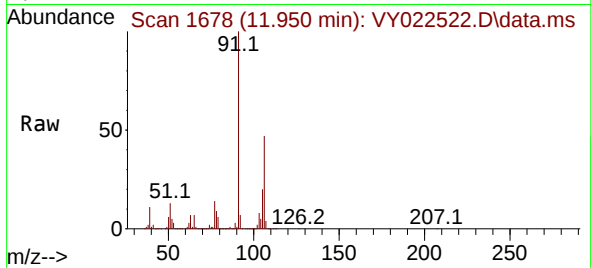




#69  
o-Xylene  
Concen: 443.839 ug/l  
RT: 11.950 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

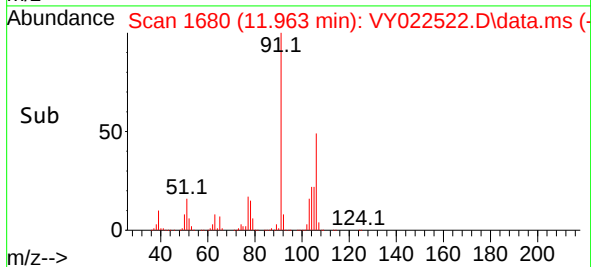
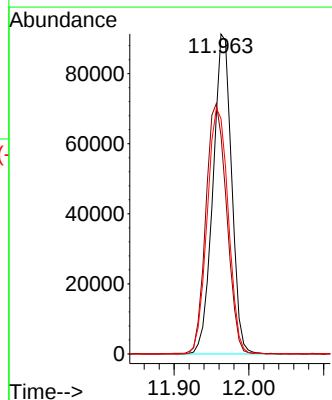
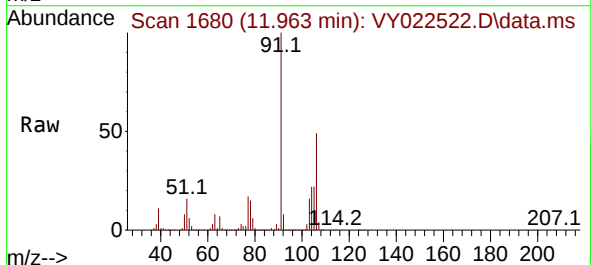
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

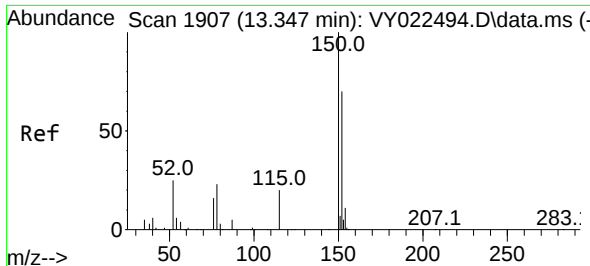
Tgt Ion:106 Resp: 542787  
Ion Ratio Lower Upper  
106 100  
91 211.9 105.8 317.3



#70  
Styrene  
Concen: 78.003 ug/l  
RT: 11.963 min Scan# 1680  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion:104 Resp: 157683  
Ion Ratio Lower Upper  
104 100  
78 87.9 39.5 59.3#  
103 87.4 44.1 66.1#

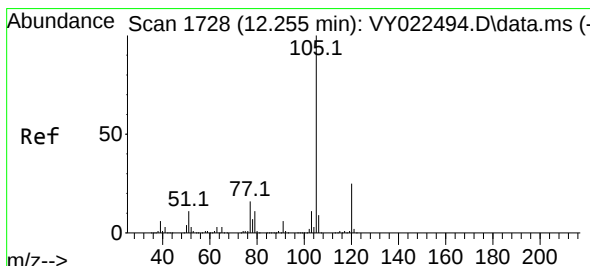
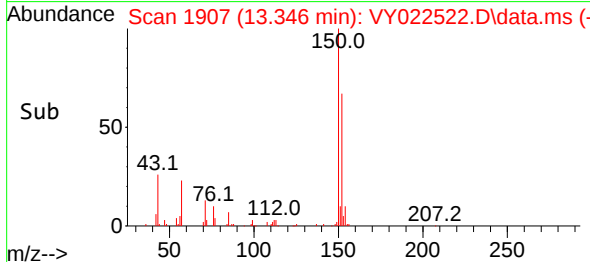
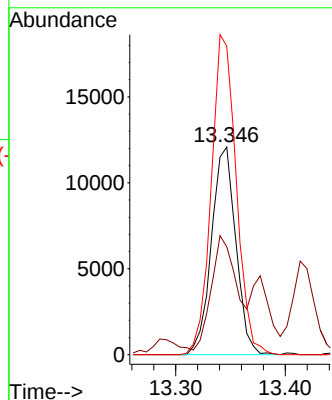
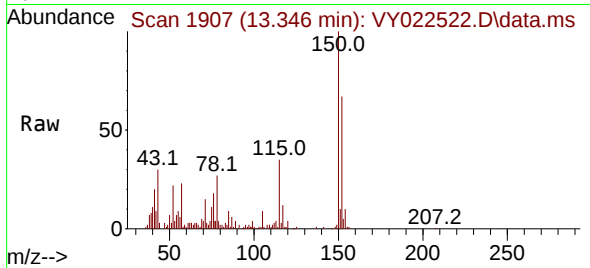




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

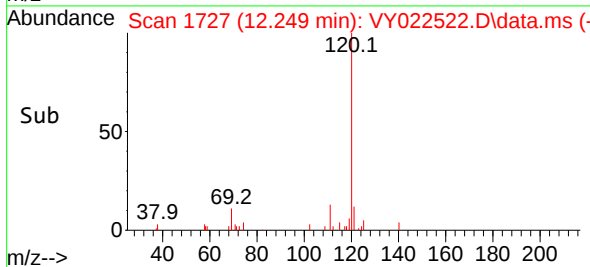
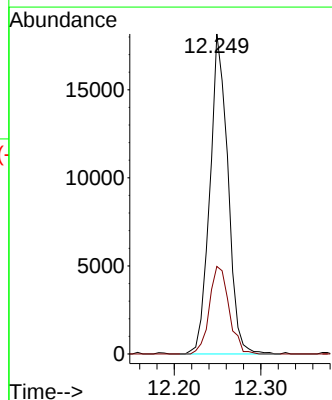
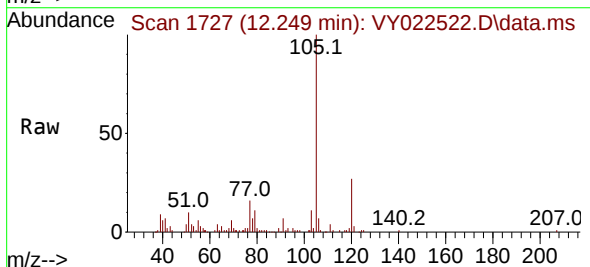
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

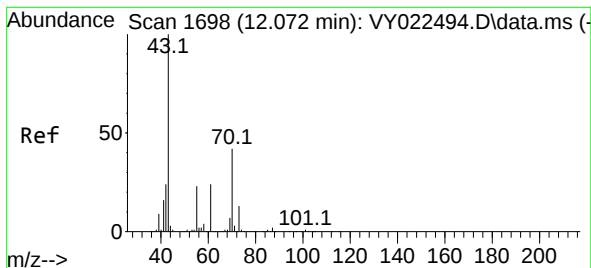
Tgt Ion:152 Resp: 18701  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.9 86.7  
150 157.5 0.0 349.6



#73  
Isopropylbenzene  
Concen: 17.110 ug/l  
RT: 12.249 min Scan# 1727  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion:105 Resp: 26270  
Ion Ratio Lower Upper  
105 100  
120 29.7 13.0 38.9

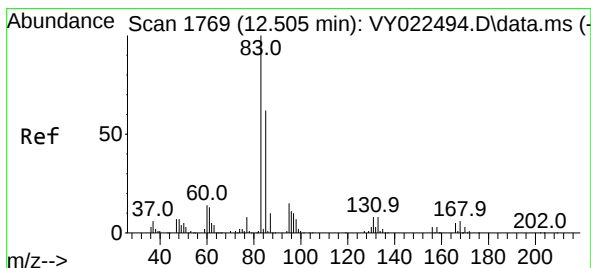
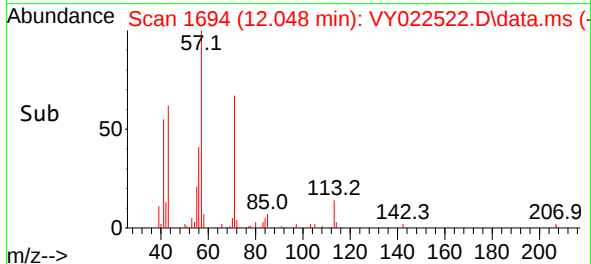
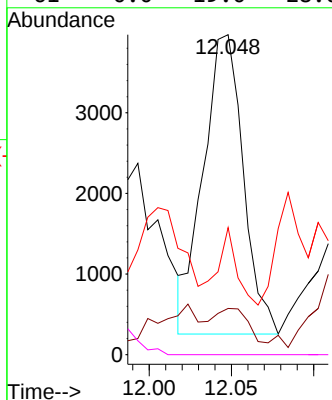
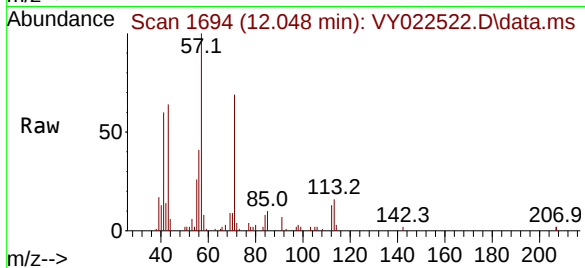




#74  
N-amy1 acetate  
Concen: 16.182 ug/l  
RT: 12.048 min Scan# 1  
Delta R.T. -0.024 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

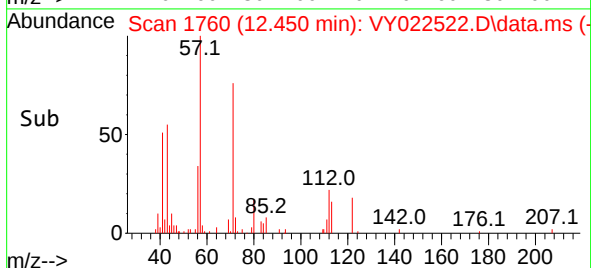
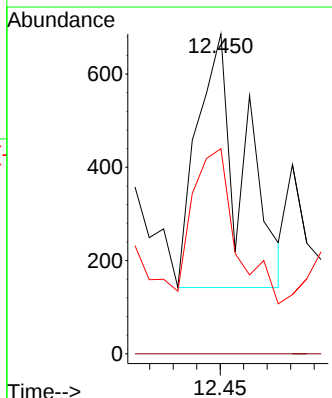
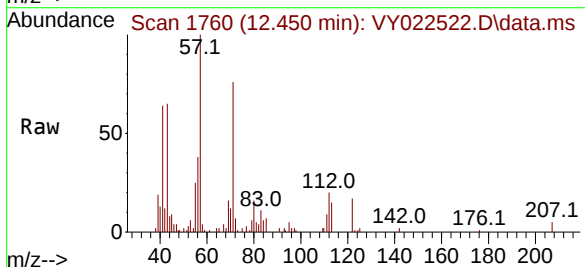
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

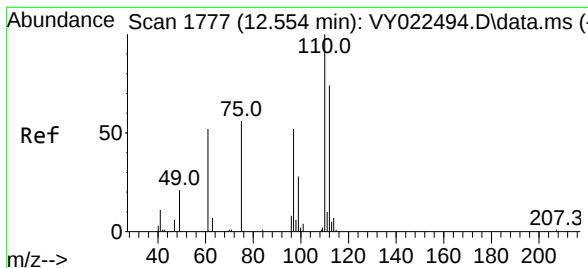
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6269  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 8.8   | 34.2  | 51.2# |
| 55       | 10.7  | 18.2  | 27.4# |
| 61       | 0.0   | 19.0  | 28.6# |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.909 ug/l  
RT: 12.450 min Scan# 1760  
Delta R.T. -0.055 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 733   |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 4.9   | 14.7# |
| 85       | 0.0   | 32.6  | 97.8# |





#76

1,2,3-Trichloropropane

Concen: 2.706 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.049 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

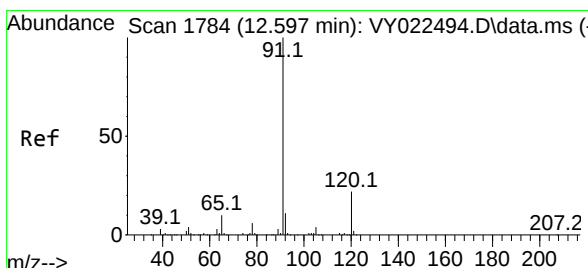
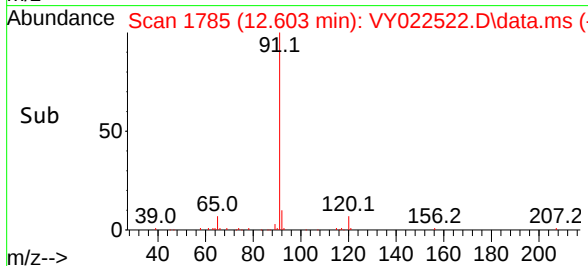
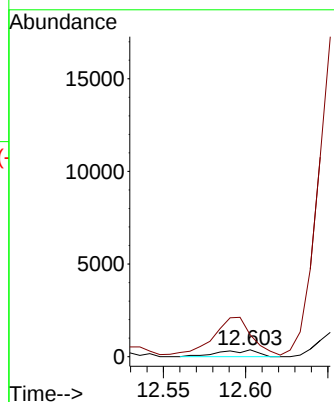
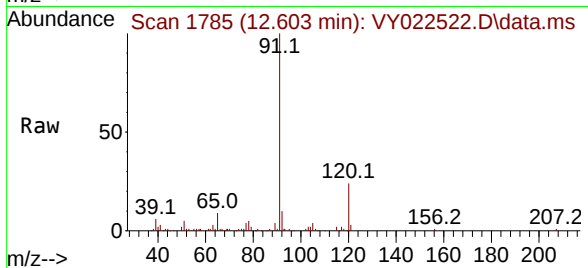
C2

Tgt Ion: 75 Resp: 579

Ion Ratio Lower Upper

75 100

77 558.4 0.0 0.0#



#78

n-propylbenzene

Concen: 38.877 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY022522.D

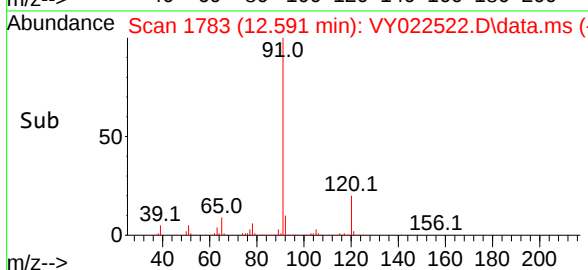
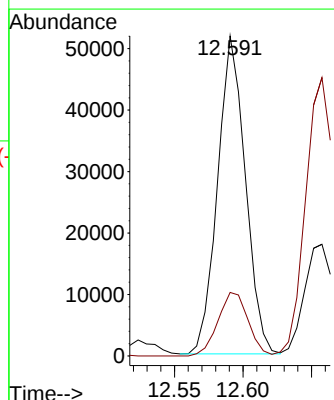
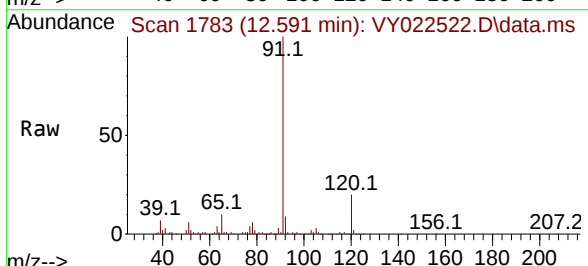
Acq: 03 Jun 2025 15:01

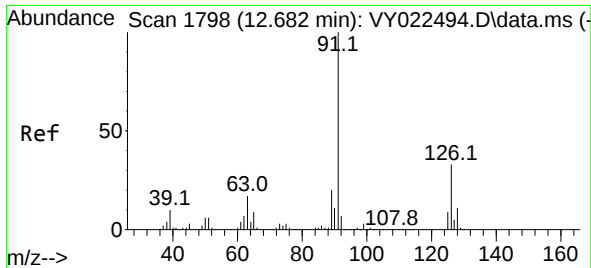
Tgt Ion: 91 Resp: 72905

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.4

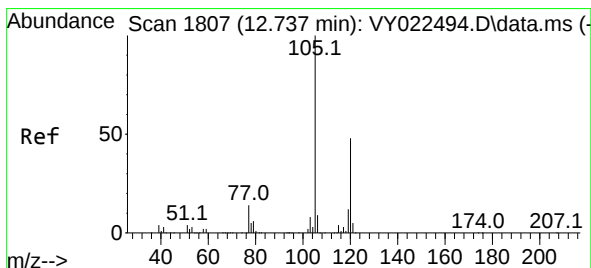
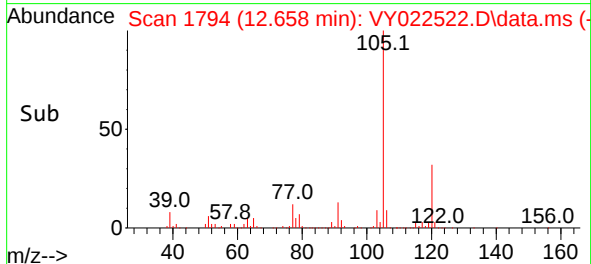
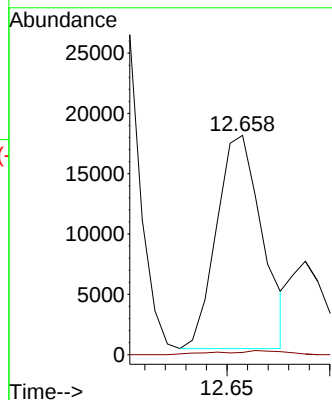
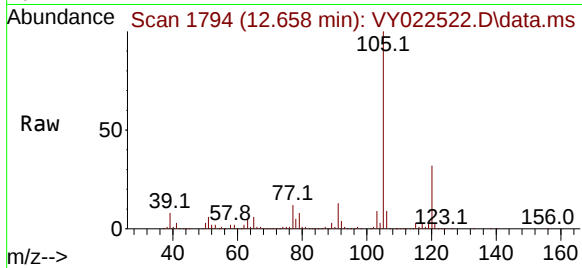




#79  
2-Chlorotoluene  
Concen: 27.463 ug/l  
RT: 12.658 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

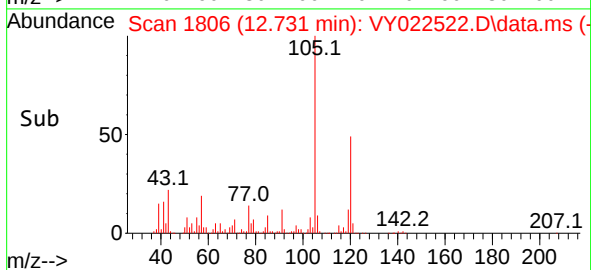
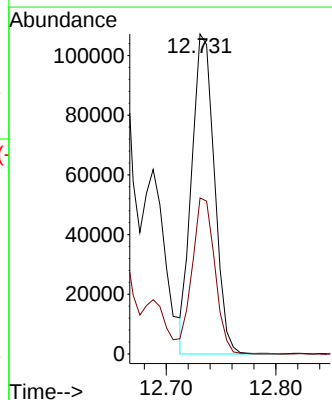
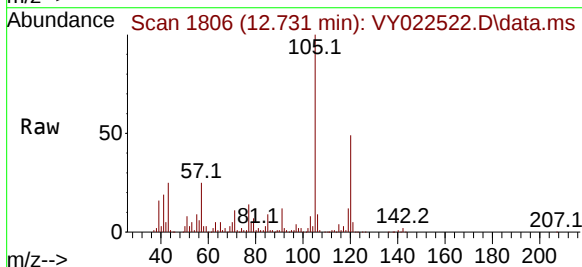
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

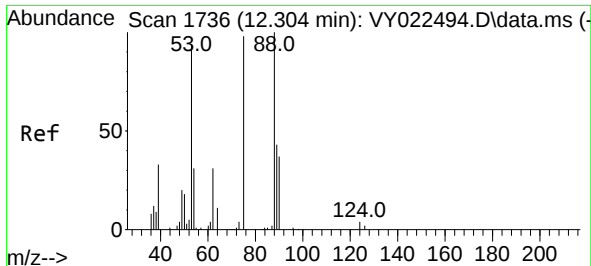
Tgt Ion: 91 Resp: 27295  
Ion Ratio Lower Upper  
91 100  
126 2.7 17.0 51.0#



#80  
1,3,5-Trimethylbenzene  
Concen: 127.670 ug/l  
RT: 12.731 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 105 Resp: 153892  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.1 72.4

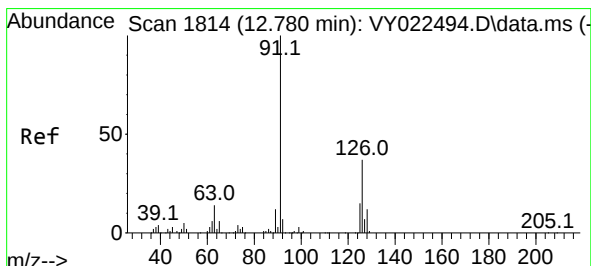
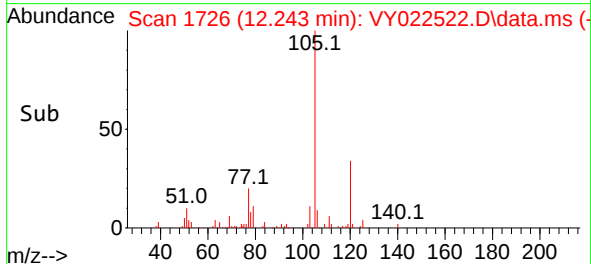
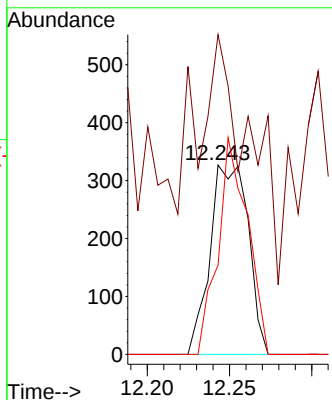
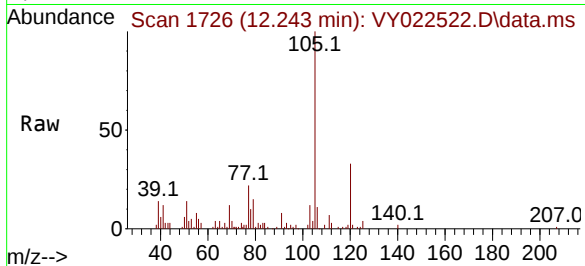




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.971 ug/l  
RT: 12.243 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

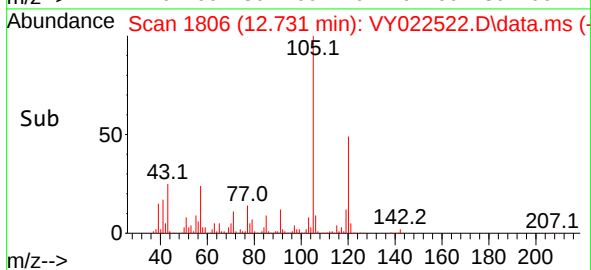
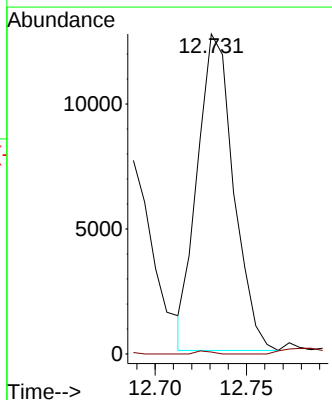
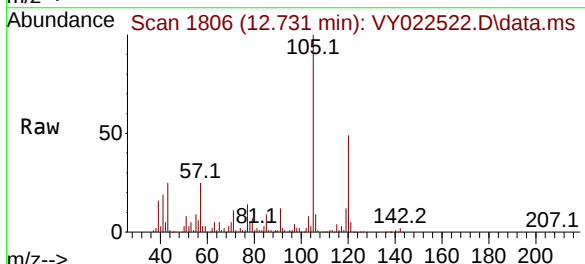
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

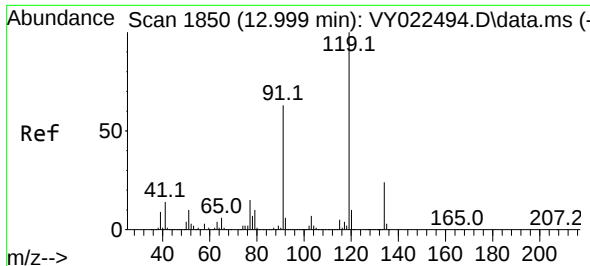
Tgt Ion: 75 Resp: 529  
Ion Ratio Lower Upper  
75 100  
53 80.9 78.5 117.7  
89 88.5 35.7 53.5#



#82  
4-Chlorotoluene  
Concen: 17.002 ug/l  
RT: 12.731 min Scan# 1806  
Delta R.T. -0.049 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion: 91 Resp: 17432  
Ion Ratio Lower Upper  
91 100  
126 0.4 17.0 50.9#

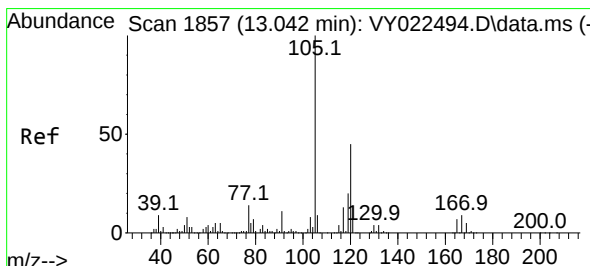
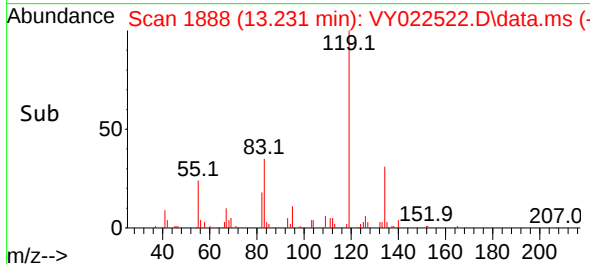
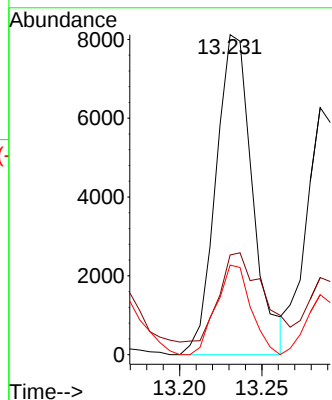
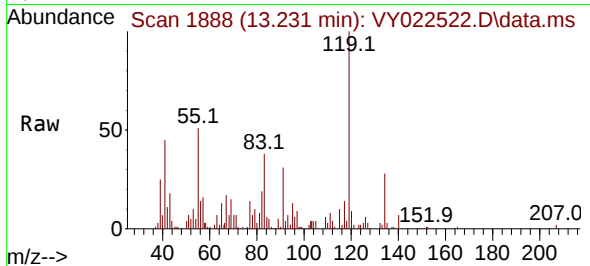




#83  
tert-Butylbenzene  
Concen: 11.670 ug/l  
RT: 13.231 min Scan# 1888  
Delta R.T. 0.232 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

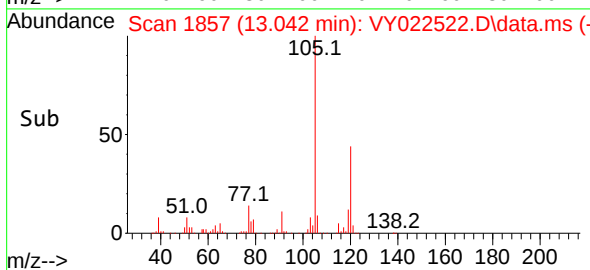
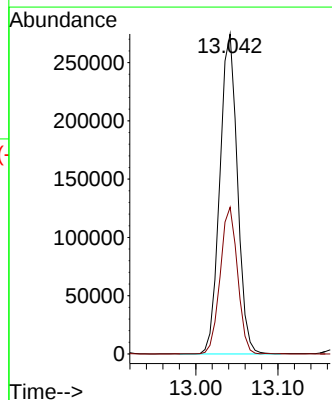
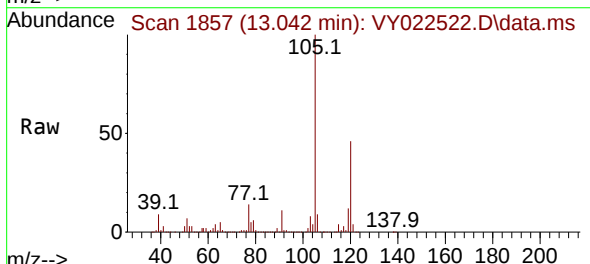
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C2

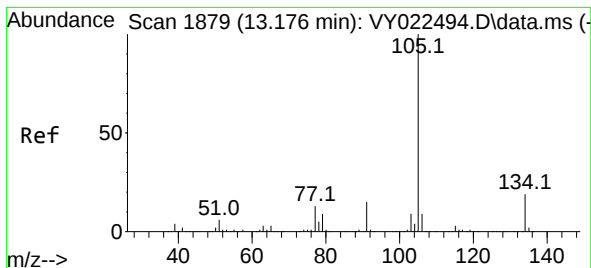
Tgt Ion:119 Resp: 12625  
Ion Ratio Lower Upper  
119 100  
91 33.0 32.1 96.3  
134 26.3 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 338.208 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.000 min  
Lab File: VY022522.D  
Acq: 03 Jun 2025 15:01

Tgt Ion:105 Resp: 407740  
Ion Ratio Lower Upper  
105 100  
120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 246.086 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.134 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

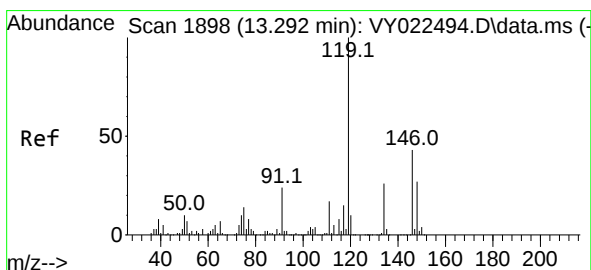
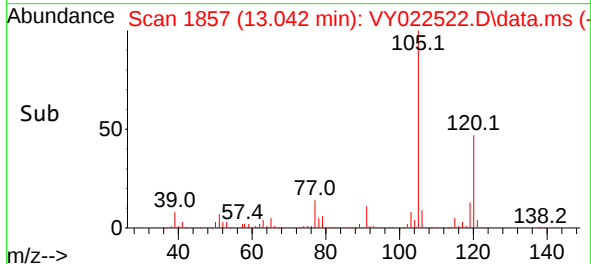
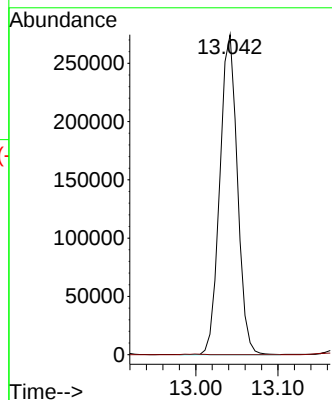
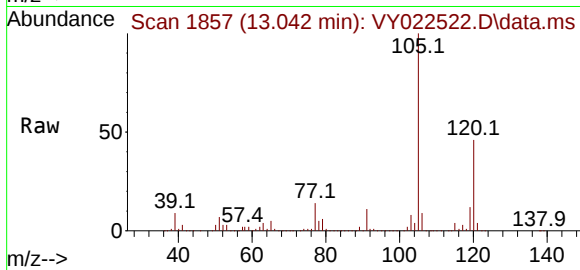
C2

Tgt Ion:105 Resp: 407740

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#



#86

p-Isopropyltoluene

Concen: 7.038 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

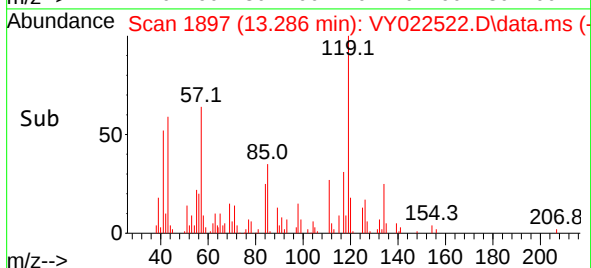
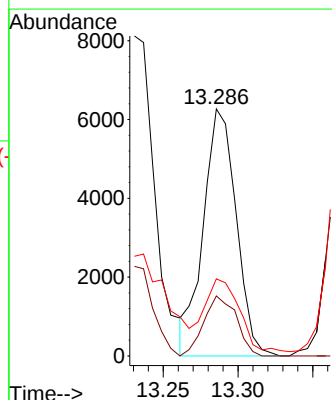
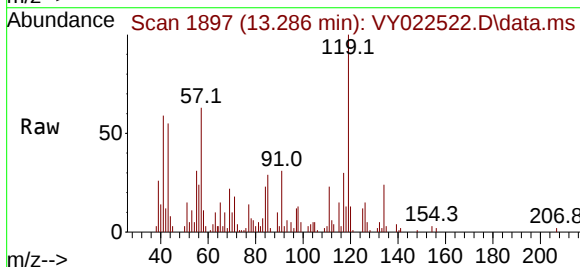
Tgt Ion:119 Resp: 9612

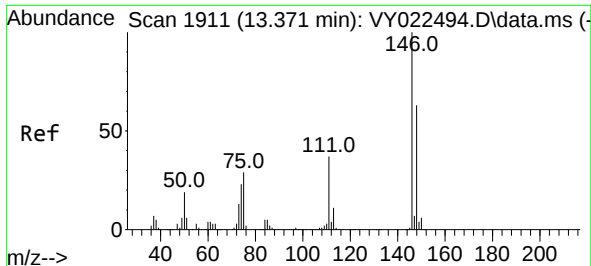
Ion Ratio Lower Upper

119 100

134 24.0 13.1 39.1

91 31.2 11.6 34.8

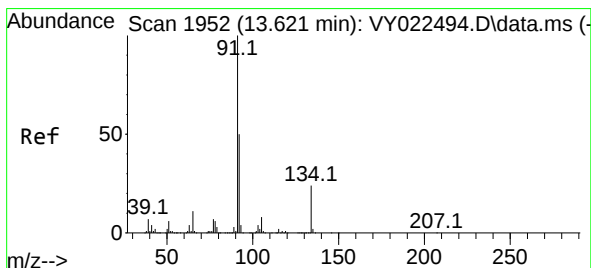
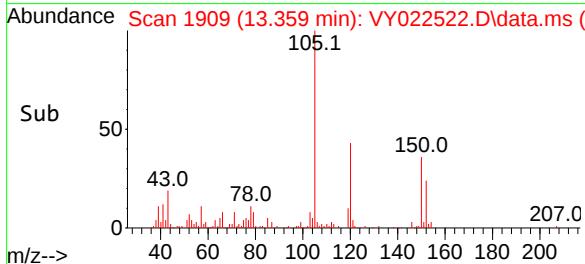
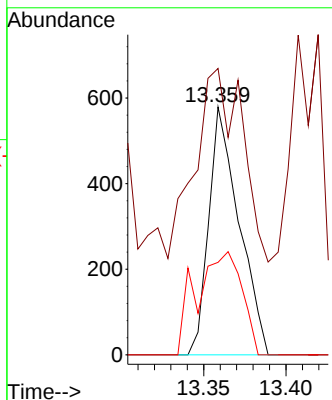
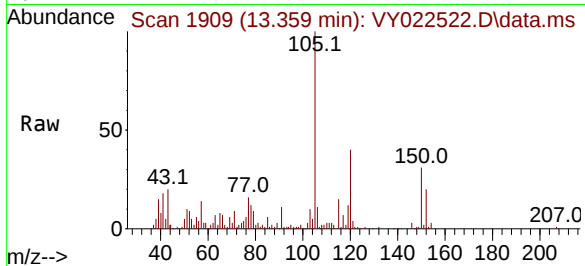




#88  
 1,4-Dichlorobenzene  
 Concen: 1.161 ug/l  
 RT: 13.359 min Scan# 1909  
 Delta R.T. -0.012 min  
 Lab File: VY022522.D  
 Acq: 03 Jun 2025 15:01

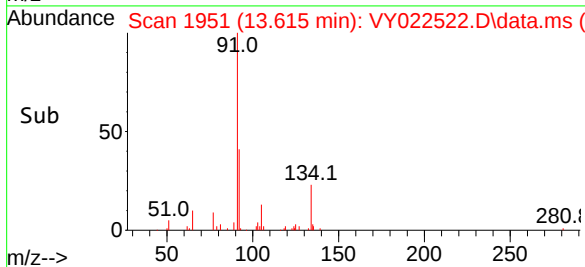
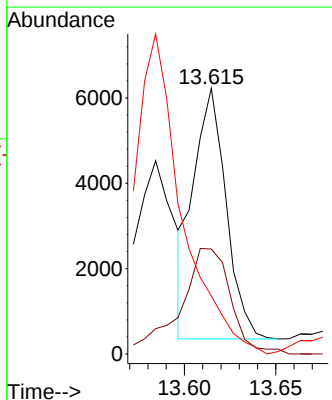
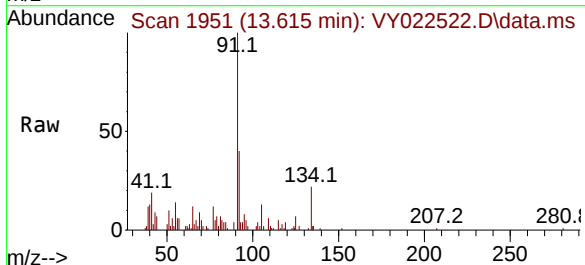
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C2

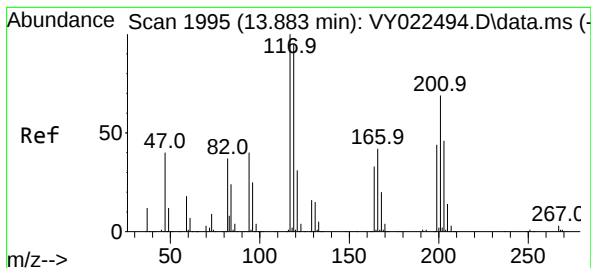
Tgt Ion:146 Resp: 739  
 Ion Ratio Lower Upper  
 146 100  
 111 175.4 19.4 58.2#  
 148 62.2 31.6 94.8



#89  
 n-Butylbenzene  
 Concen: 5.656 ug/l  
 RT: 13.615 min Scan# 1951  
 Delta R.T. -0.006 min  
 Lab File: VY022522.D  
 Acq: 03 Jun 2025 15:01

Tgt Ion: 91 Resp: 7329  
 Ion Ratio Lower Upper  
 91 100  
 92 64.0 25.9 77.8  
 134 0.0 12.0 36.1#





#90

Hexachloroethane

Concen: 9.963 ug/l

RT: 13.889 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

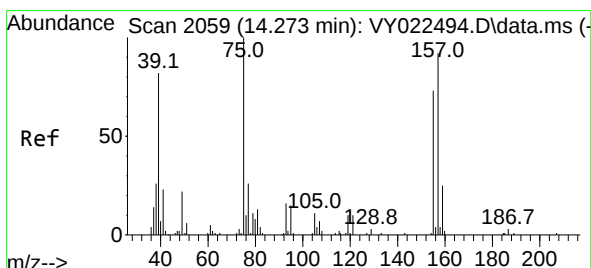
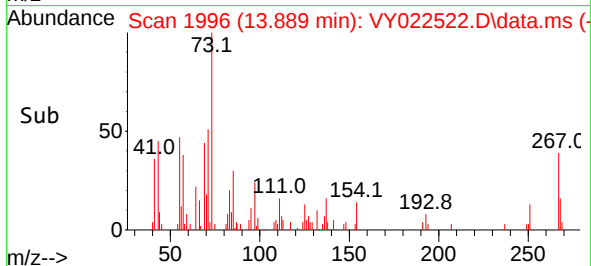
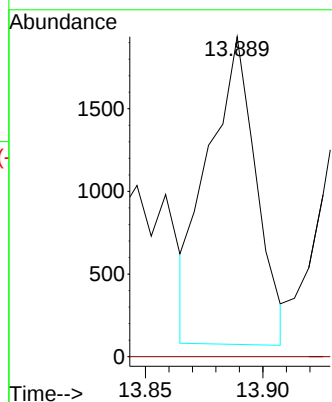
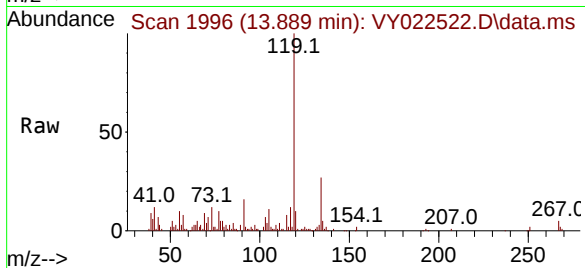
C2

Tgt Ion:117 Resp: 2649

Ion Ratio Lower Upper

117 100

201 0.0 34.0 102.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.550 ug/l

RT: 14.249 min Scan# 2055

Delta R.T. -0.024 min

Lab File: VY022522.D

Acq: 03 Jun 2025 15:01

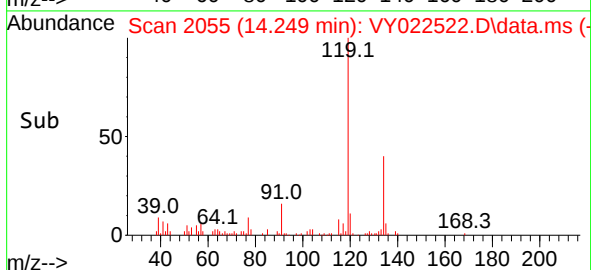
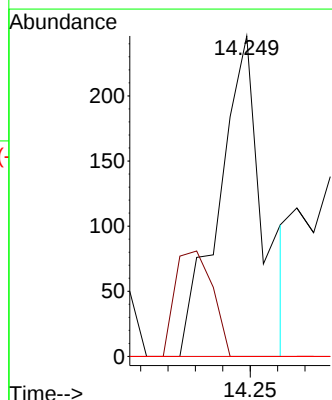
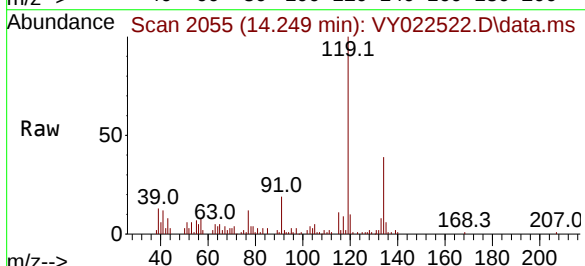
Tgt Ion: 75 Resp: 277

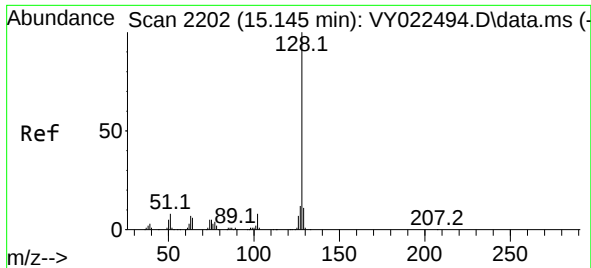
Ion Ratio Lower Upper

75 100

155 27.8 39.9 119.6#

157 0.0 54.0 162.0#





#95

Naphthalene

Concen: 738.370 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022522.D

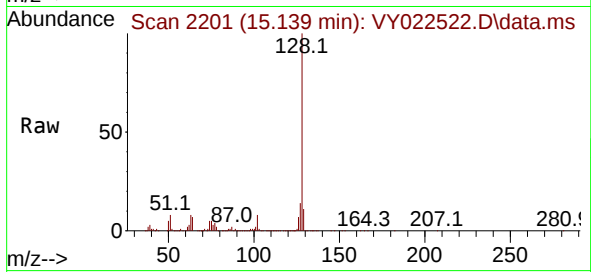
Acq: 03 Jun 2025 15:01

Instrument :

MSVOA\_Y

ClientSampleId :

C2



Tgt Ion:128 Resp: 430711

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.8 8.9 13.3

