

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021100.D  
 Acq On : 05 Feb 2025 19:40  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 06 00:59:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 212270   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 348682   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 306917   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 148320   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.067  | 65    | 113197   | 52.048   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 104.100% |      |
| 35) Dibromofluoromethane  | 7.640  | 113   | 109262   | 48.896   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 97.800%  |      |
| 50) Toluene-d8            | 10.109 | 98    | 404094   | 47.500   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 95.000%  |      |
| 62) 4-Bromofluorobenzene  | 12.408 | 95    | 139094   | 50.047   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 100.100% |      |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 88909   | 46.994  | ug/l | 98     |
| 3) Chloromethane             | 2.074 | 50  | 97256   | 52.095  | ug/l | 100    |
| 4) Vinyl Chloride            | 2.208 | 62  | 97893   | 52.096  | ug/l | 100    |
| 5) Bromomethane              | 2.598 | 94  | 64167   | 55.250  | ug/l | 99     |
| 6) Chloroethane              | 2.739 | 64  | 64446   | 57.614  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 171630  | 50.134  | ug/l | 98     |
| 8) Diethyl Ether             | 3.458 | 74  | 60337   | 56.458  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 104754  | 48.755  | ug/l | 95     |
| 10) Methyl Iodide            | 4.007 | 142 | 127809  | 53.543  | ug/l | 95     |
| 11) Tert butyl alcohol       | 4.860 | 59  | 40179   | 272.619 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 102564  | 50.675  | ug/l | 91     |
| 13) Acrolein                 | 3.653 | 56  | 51943   | 228.874 | ug/l | 97     |
| 14) Allyl chloride           | 4.391 | 41  | 178726  | 52.396  | ug/l | 97     |
| 15) Acrylonitrile            | 5.061 | 53  | 129657  | 291.346 | ug/l | 99     |
| 16) Acetone                  | 3.873 | 43  | 95767   | 282.359 | ug/l | 96     |
| 17) Carbon Disulfide         | 4.110 | 76  | 319324  | 50.314  | ug/l | 99     |
| 18) Methyl Acetate           | 4.385 | 43  | 74879   | 62.891  | ug/l | 98     |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 300185  | 58.680  | ug/l | 98     |
| 20) Methylene Chloride       | 4.622 | 84  | 115847  | 54.944  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 116597  | 52.336  | ug/l | 95     |
| 22) Diisopropyl ether        | 6.025 | 45  | 388839  | 55.304  | ug/l | 97     |
| 23) Vinyl Acetate            | 5.964 | 43  | 1097320 | 279.967 | ug/l | 100    |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 219132  | 53.196  | ug/l | 98     |
| 25) 2-Butanone               | 6.896 | 43  | 167740  | 300.963 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 176612  | 46.336  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 140360  | 54.735  | ug/l | 97     |
| 28) Bromochloromethane       | 7.250 | 49  | 84105   | 51.633  | ug/l | 98     |
| 29) Tetrahydrofuran          | 7.262 | 42  | 113585  | 301.179 | ug/l | 97     |
| 30) Chloroform               | 7.427 | 83  | 228176  | 53.927  | ug/l | 98     |
| 31) Cyclohexane              | 7.701 | 56  | 174416  | 47.018  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 199368  | 50.680  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 155895  | 47.101  | ug/l | 99     |
| 37) Ethyl Acetate            | 6.988 | 43  | 78266   | 53.903  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 180300  | 46.621  | ug/l | 98     |
| 39) Methylcyclohexane        | 9.109 | 83  | 193778  | 47.864  | ug/l | 98     |
| 40) Benzene                  | 8.085 | 78  | 489209  | 50.366  | ug/l | 100    |

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 Sample : VSTDCCC050  
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 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 06 00:59:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 44079    | 52.474   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 138529   | 51.413   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 157173   | 54.477   | ug/l   | 98       |
| 44) Trichloroethene           | 8.872  | 130  | 122179   | 48.687   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 118504   | 51.402   | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 65803    | 51.551   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.426  | 83   | 176895   | 51.673   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 75901    | 57.755   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 14744    | 1240.777 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 410481   | 282.927  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 311115   | 51.012   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 164055   | 53.370   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 187639   | 51.555   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 87972    | 53.221   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 127016   | 57.440   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 151683   | 53.017   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 303330   | 288.337  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 272951   | 292.196  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 122579   | 52.806   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 84067    | 54.298   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.652 | 164  | 106493   | 46.740   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 335604   | 49.108   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 120644   | 49.676   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 589890   | 48.801   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 443184   | 98.007   | ug/l   | 98       |
| 69) o-Xylene                  | 11.957 | 106  | 212990   | 50.520   | ug/l   | 97       |
| 70) Styrene                   | 11.975 | 104  | 363091   | 51.673   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 71703    | 53.042   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.261 | 105  | 558411   | 48.198   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 138954   | 54.857   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 99796    | 51.792   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 129651   | 96.363   | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 133319   | 49.864   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.597 | 91   | 649136   | 47.034   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 381612   | 48.276   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 453111   | 48.237   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 32102    | 48.685   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 384471   | 47.738   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 400599   | 46.918   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 453274   | 49.351   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.182 | 105  | 570605   | 46.426   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 480665   | 47.080   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 249968   | 48.421   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 245176   | 48.235   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 435798   | 46.790   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 98830    | 46.402   | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 222774   | 49.718   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 15802    | 54.879   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 133738   | 53.622   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 79191    | 47.914   | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 288773   | 72.370   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 115192   | 55.499   | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

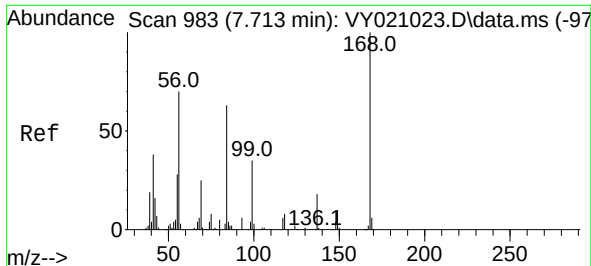
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

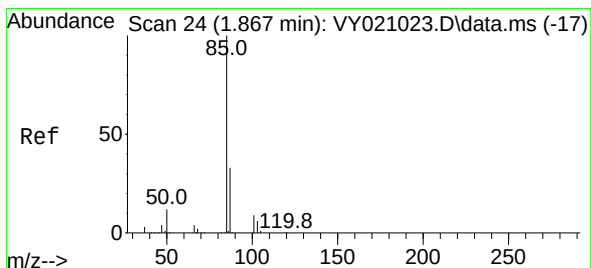
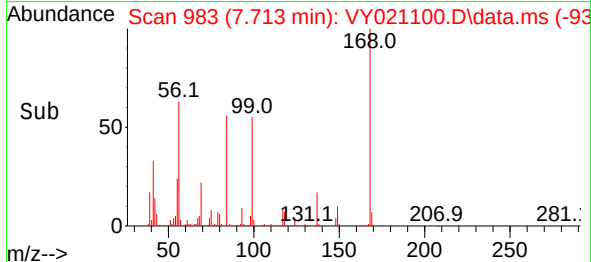
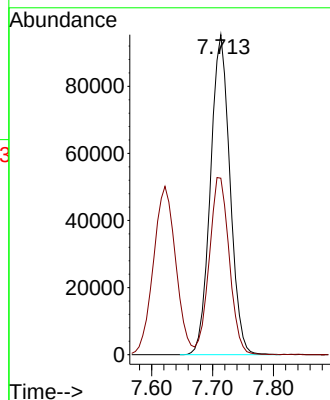
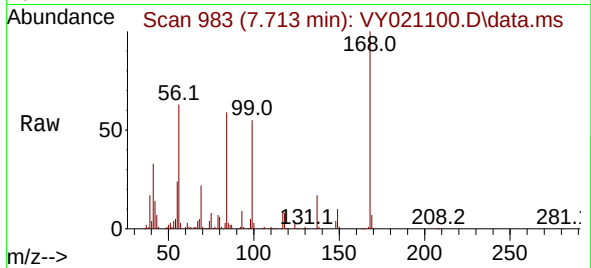




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

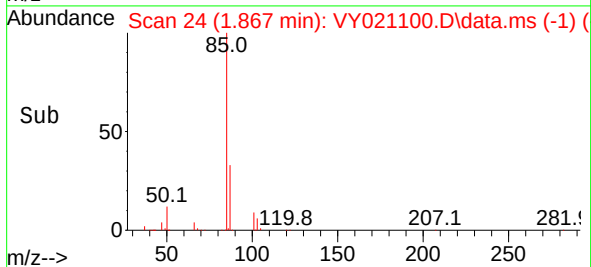
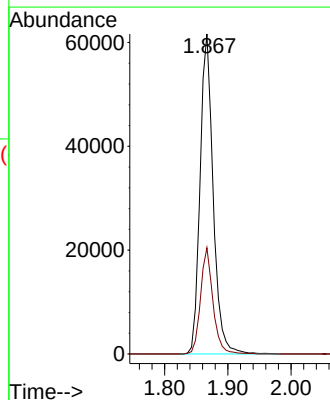
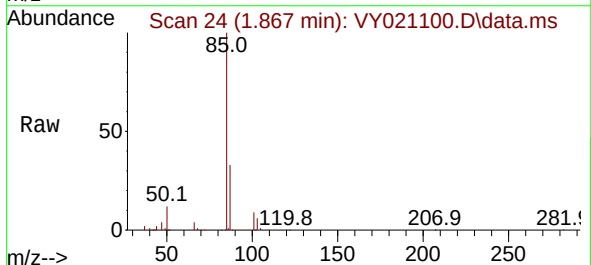
Instrument :  
MSVOA\_Y  
ClientSampleId :

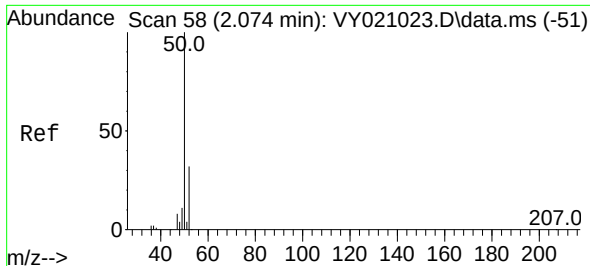
Tgt Ion:168 Resp: 212270  
Ion Ratio Lower Upper  
168 100  
99 55.1 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 46.994 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 85 Resp: 88909  
Ion Ratio Lower Upper  
85 100  
87 33.2 17.1 51.3

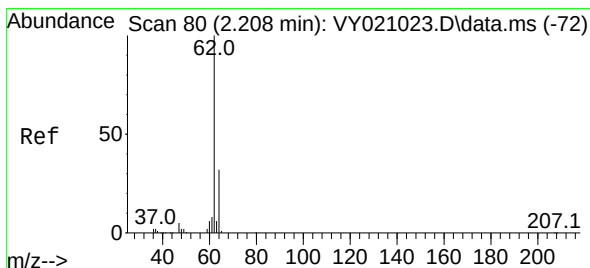
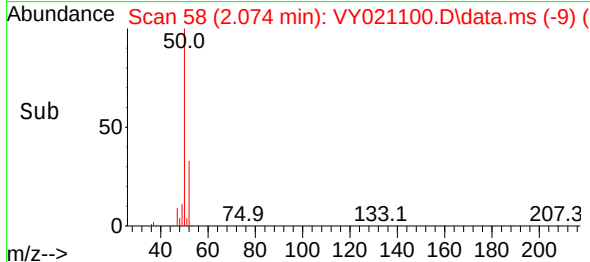
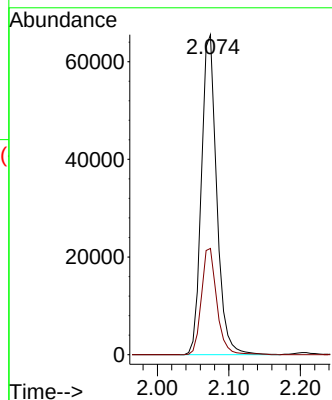
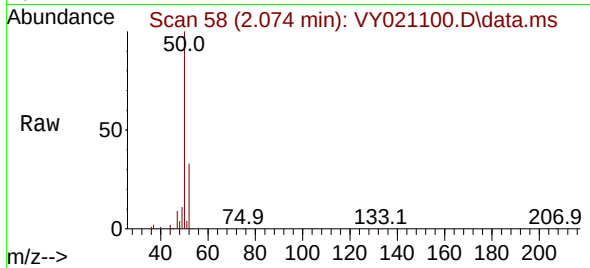




#3  
Chloromethane  
Concen: 52.095 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

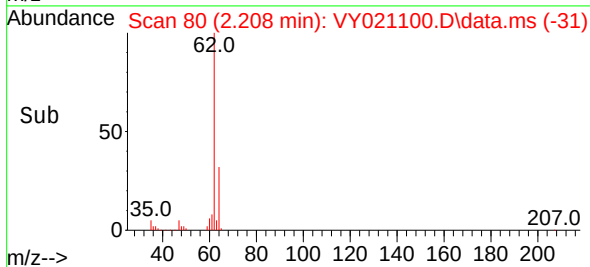
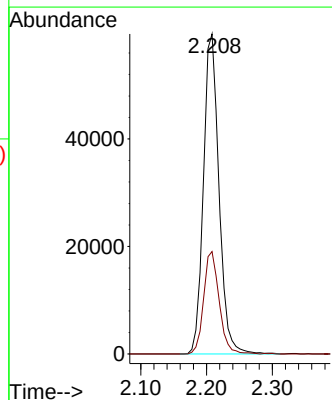
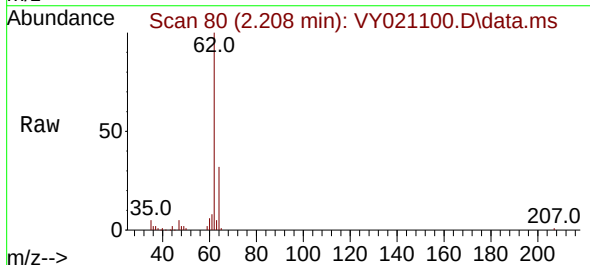
Instrument :  
MSVOA\_Y  
ClientSampleId :

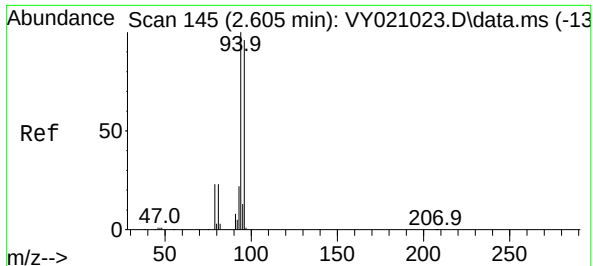
Tgt Ion: 50 Resp: 97256  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.7 40.1



#4  
Vinyl Chloride  
Concen: 52.096 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 62 Resp: 97893  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.7 38.5

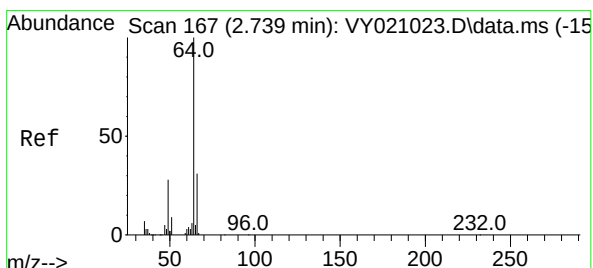
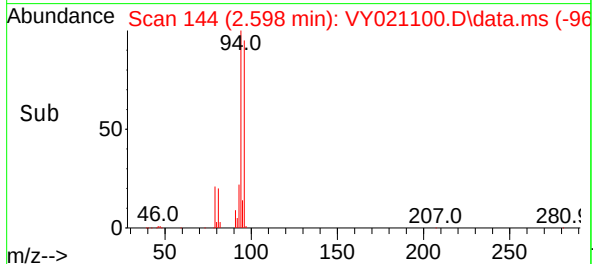
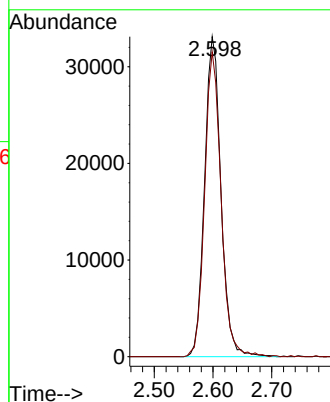
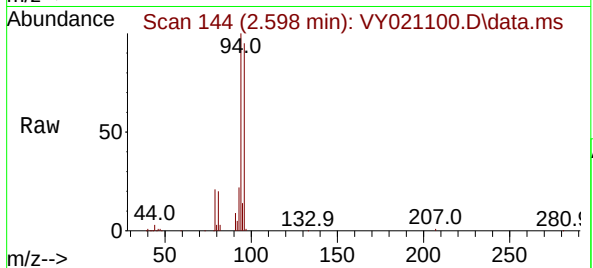




#5  
Bromomethane  
Concen: 55.250 ug/l  
RT: 2.598 min Scan# 145  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

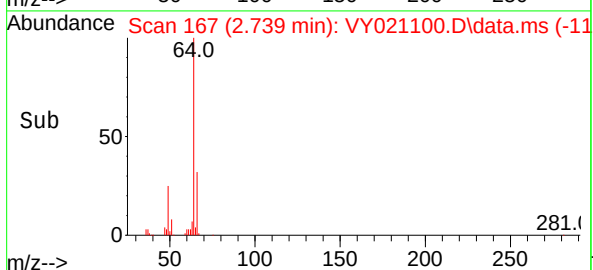
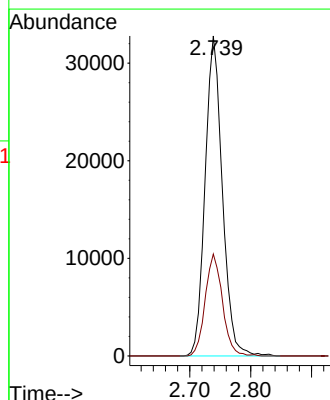
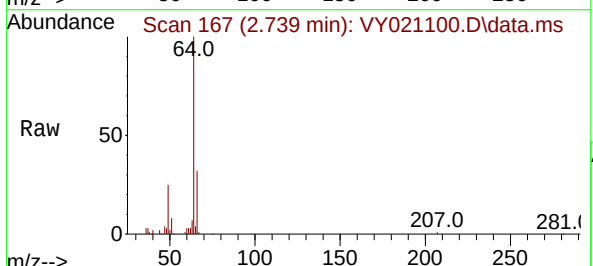
Instrument :  
MSVOA\_Y  
ClientSampleId :

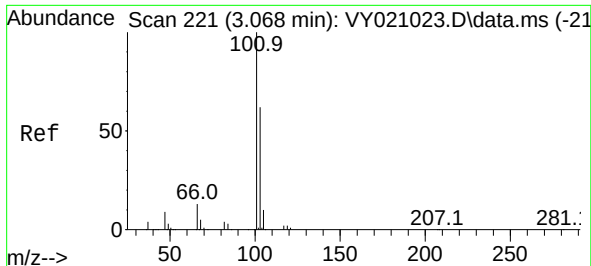
Tgt Ion: 94 Resp: 64167  
Ion Ratio Lower Upper  
94 100  
96 95.2 77.3 115.9



#6  
Chloroethane  
Concen: 57.614 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 64 Resp: 64446  
Ion Ratio Lower Upper  
64 100  
66 31.9 25.1 37.7

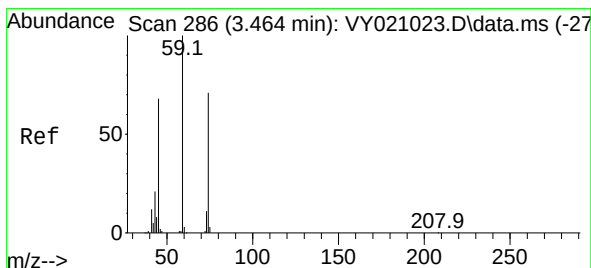
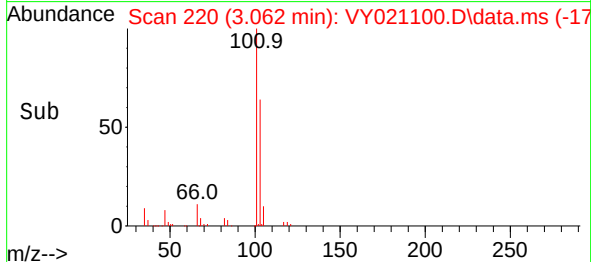
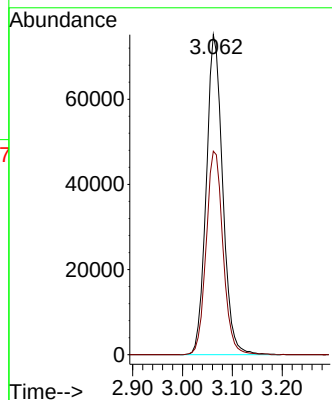
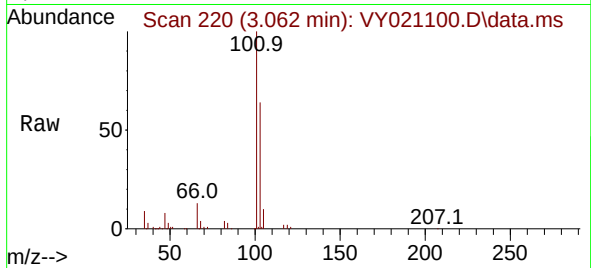




#7  
 Trichlorofluoromethane  
 Concen: 50.134 ug/l  
 RT: 3.062 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

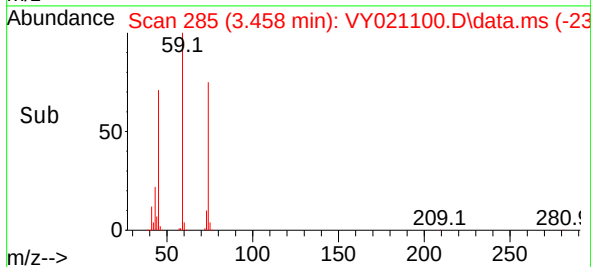
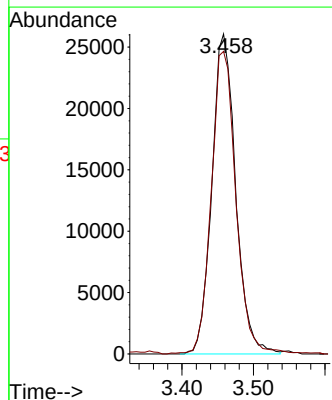
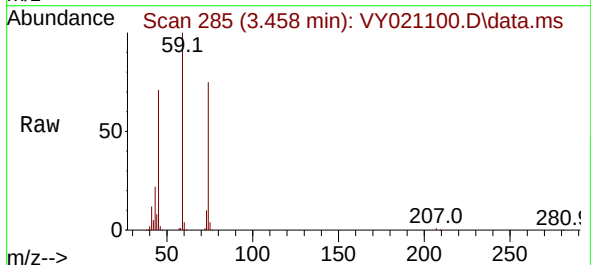
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:101 Resp: 171630  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.9 77.9

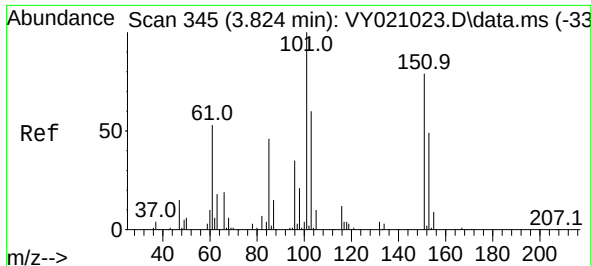


#8  
 Diethyl Ether  
 Concen: 56.458 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. -0.006 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

Tgt Ion: 74 Resp: 60337  
 Ion Ratio Lower Upper  
 74 100  
 45 98.1 47.9 143.7



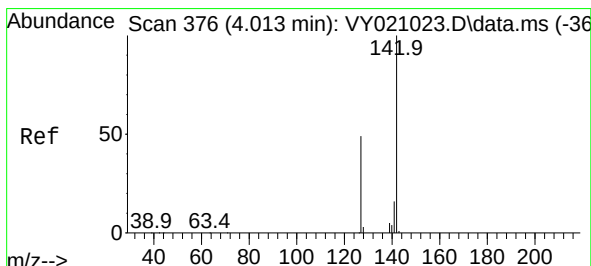
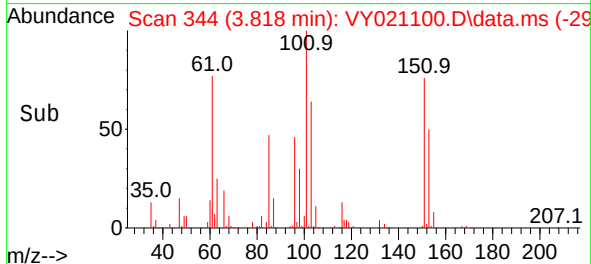
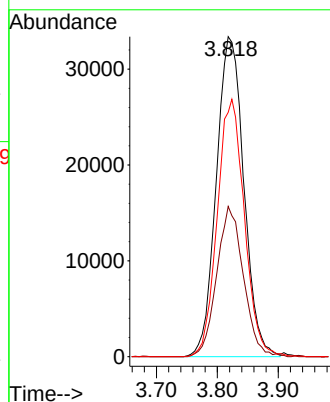
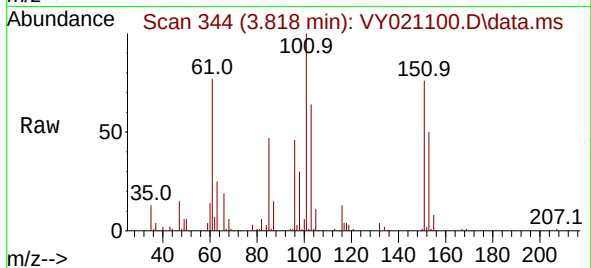




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.755 ug/l  
RT: 3.818 min Scan# 344  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

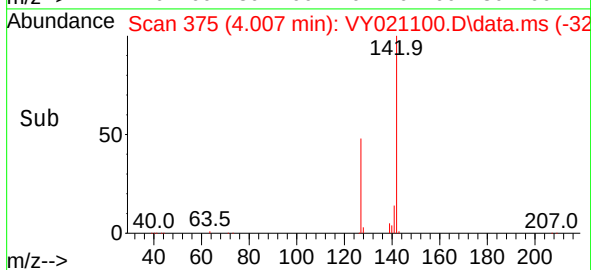
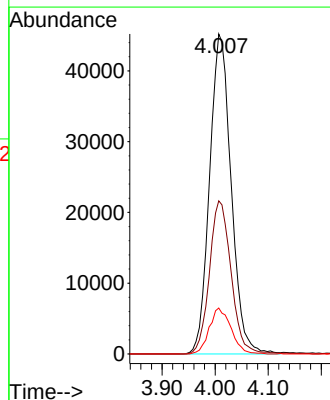
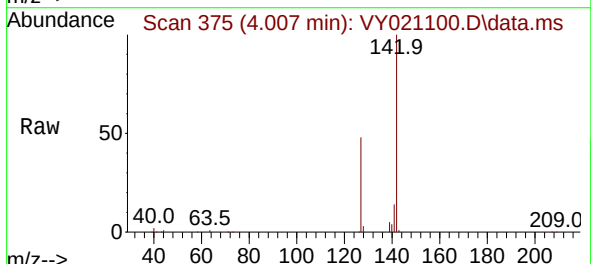
Instrument :  
MSVOA\_Y  
ClientSampleId :

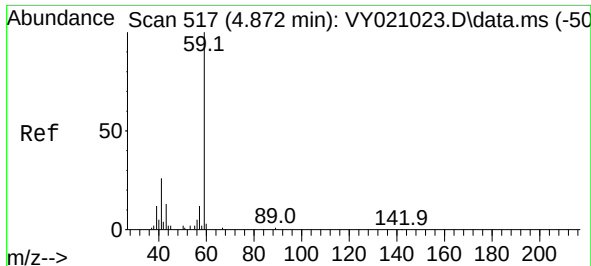
Tgt Ion:101 Resp: 104754  
Ion Ratio Lower Upper  
101 100  
85 45.4 35.8 53.6  
151 79.5 58.6 88.0



#10  
Methyl Iodide  
Concen: 53.543 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion:142 Resp: 127809  
Ion Ratio Lower Upper  
142 100  
127 48.1 35.1 52.7  
141 14.5 11.8 17.6

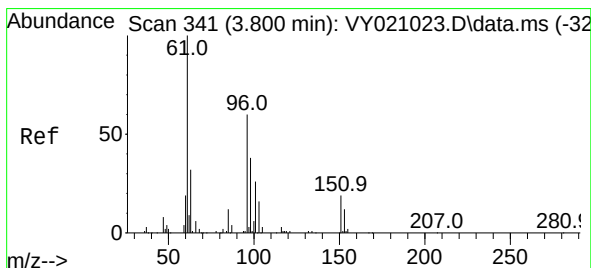
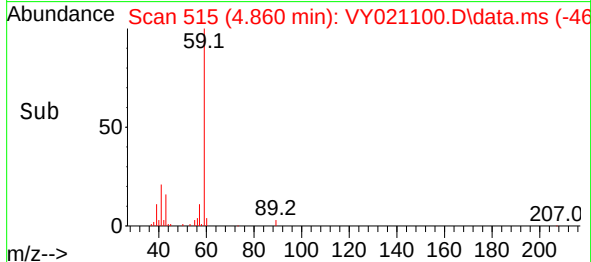
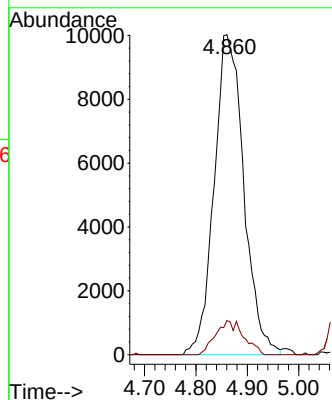
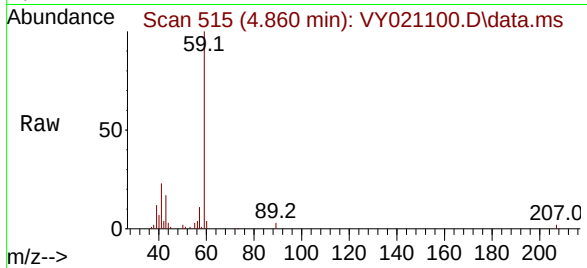




#11  
Tert butyl alcohol  
Concen: 272.619 ug/l  
RT: 4.860 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

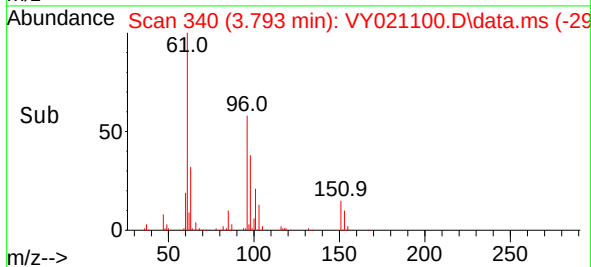
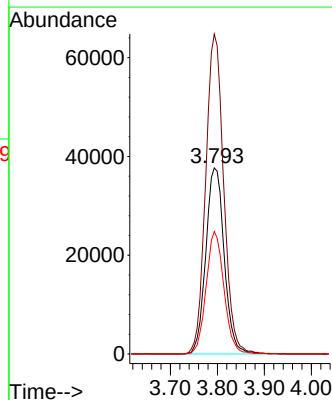
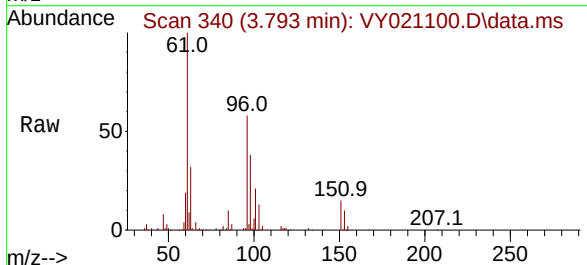
Instrument :  
MSVOA\_Y  
ClientSampleId :

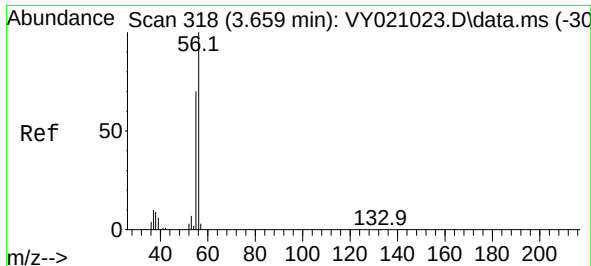
Tgt Ion: 59 Resp: 40179  
Ion Ratio Lower Upper  
59 100  
57 10.0 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 50.675 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 96 Resp: 102564  
Ion Ratio Lower Upper  
96 100  
61 172.0 124.2 186.2  
98 65.8 52.6 79.0

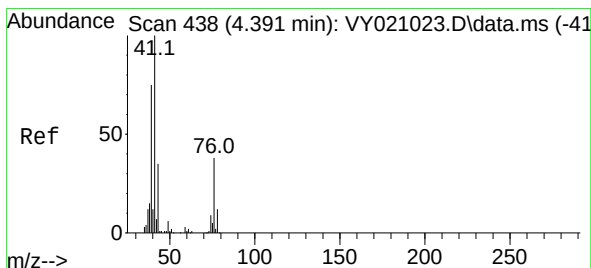
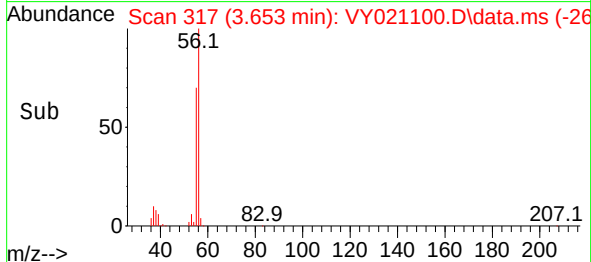
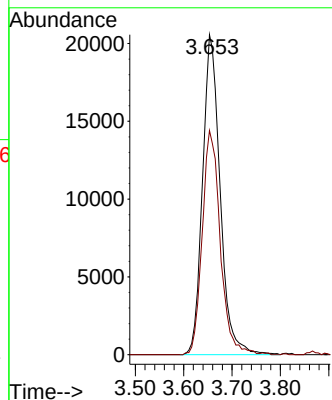
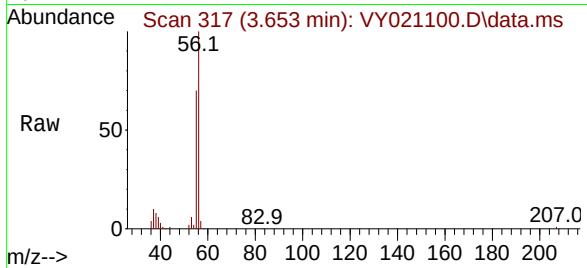




#13  
Acrolein  
Concen: 228.874 ug/l  
RT: 3.653 min Scan# 318  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

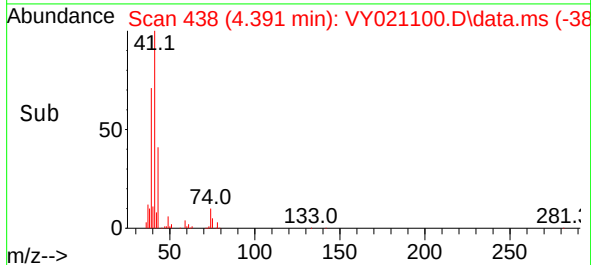
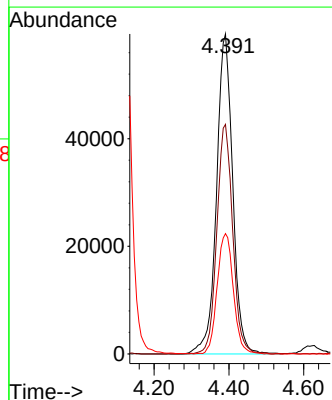
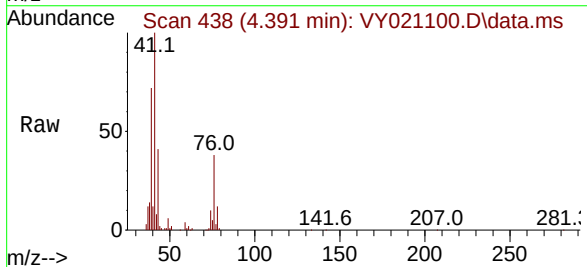
Instrument :  
MSVOA\_Y  
ClientSampleId :

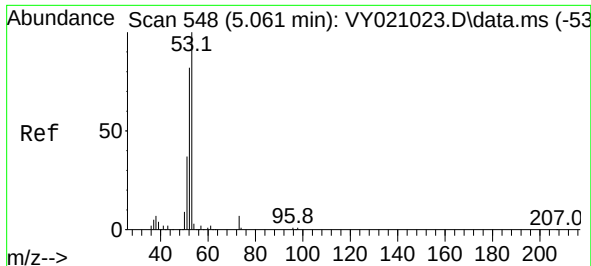
Tgt Ion: 56 Resp: 51943  
Ion Ratio Lower Upper  
56 100  
55 71.6 55.4 83.0



#14  
Allyl chloride  
Concen: 52.396 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 41 Resp: 178726  
Ion Ratio Lower Upper  
41 100  
39 70.3 54.7 82.1  
76 37.7 31.8 47.6





#15

Acrylonitrile

Concen: 291.346 ug/l

RT: 5.061 min Scan# 54

Delta R.T. -0.000 min

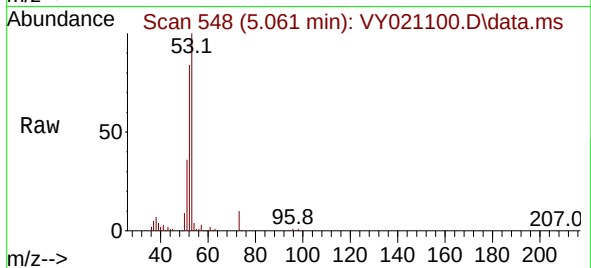
Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :



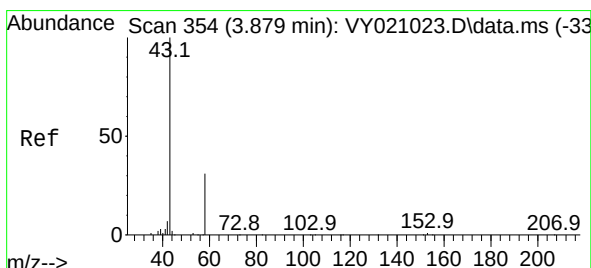
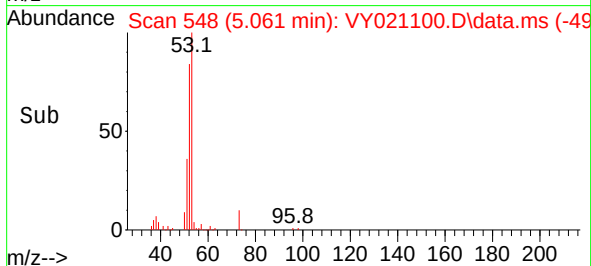
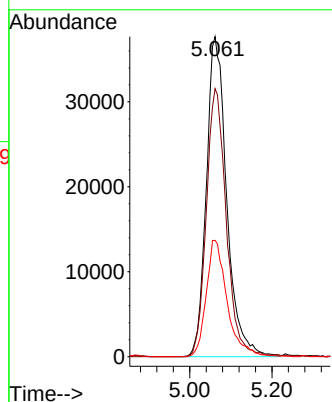
Tgt Ion: 53 Resp: 129657

Ion Ratio Lower Upper

53 100

52 81.8 65.1 97.7

51 37.3 29.0 43.4



#16

Acetone

Concen: 282.359 ug/l

RT: 3.873 min Scan# 353

Delta R.T. -0.006 min

Lab File: VY021100.D

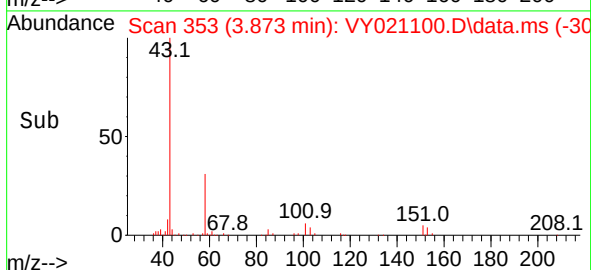
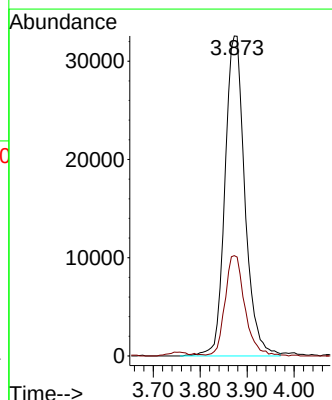
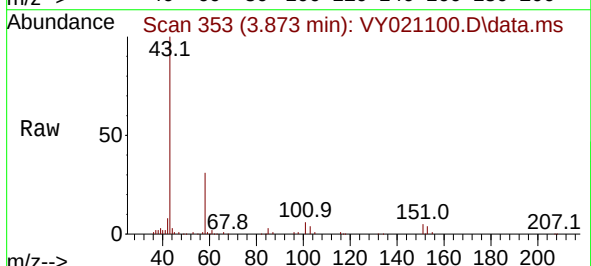
Acq: 05 Feb 2025 19:40

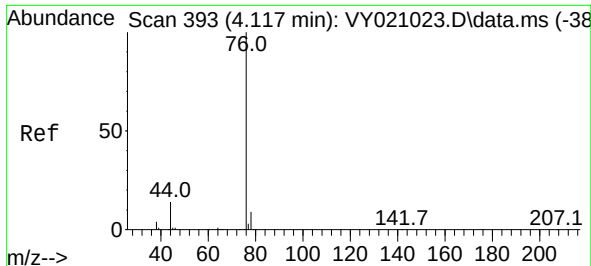
Tgt Ion: 43 Resp: 95767

Ion Ratio Lower Upper

43 100

58 31.0 26.6 39.8





#17

Carbon Disulfide

Concen: 50.314 ug/l

RT: 4.110 min Scan# 392

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

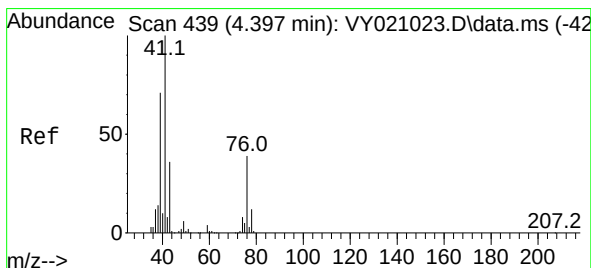
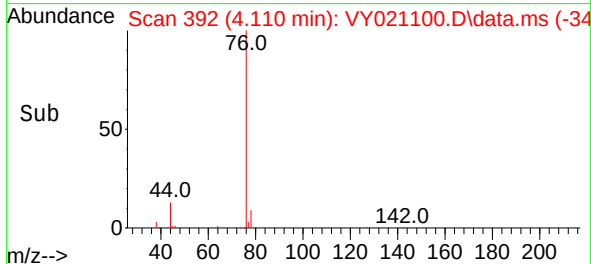
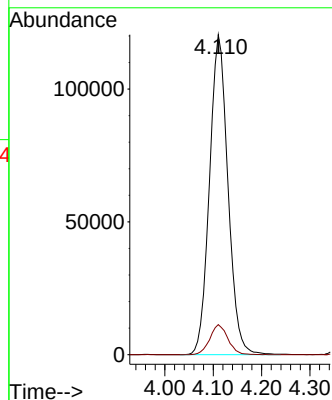
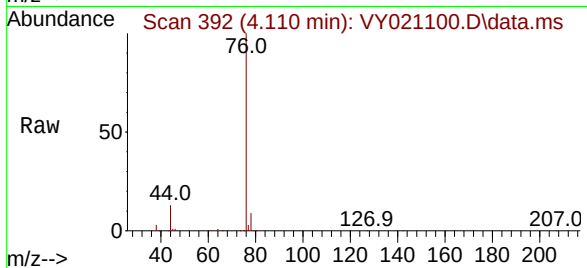
ClientSampleId :

Tgt Ion: 76 Resp: 319324

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



#18

Methyl Acetate

Concen: 62.891 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.012 min

Lab File: VY021100.D

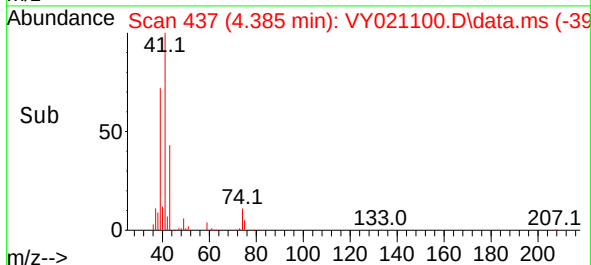
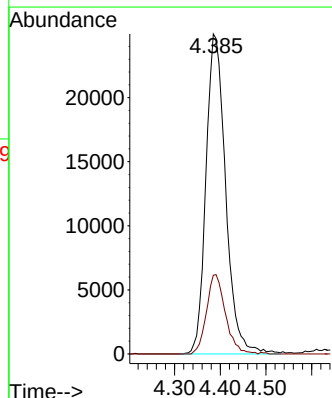
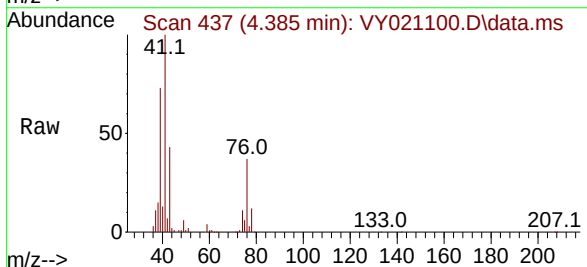
Acq: 05 Feb 2025 19:40

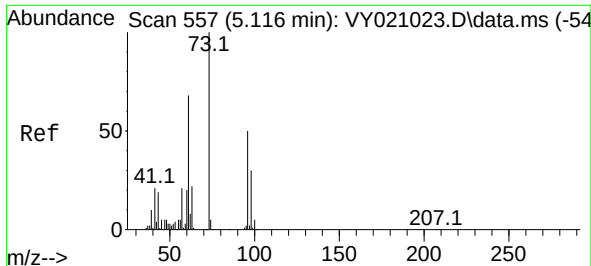
Tgt Ion: 43 Resp: 74879

Ion Ratio Lower Upper

43 100

74 23.8 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 58.680 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

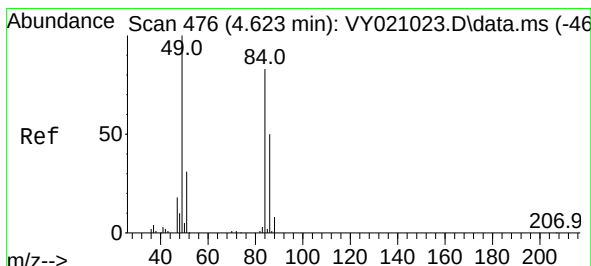
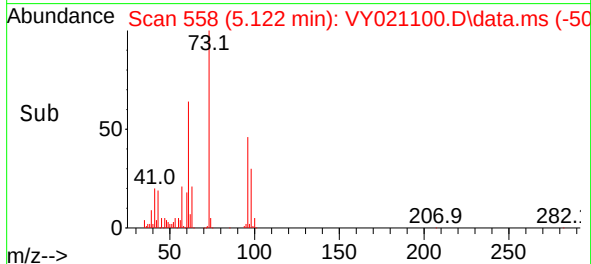
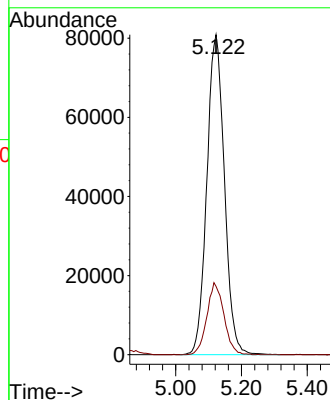
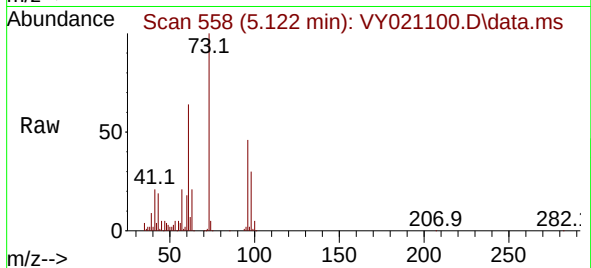
ClientSampleId :

Tgt Ion: 73 Resp: 300185

Ion Ratio Lower Upper

73 100

57 21.4 17.7 26.5



#20

Methylene Chloride

Concen: 54.944 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Tgt Ion: 84 Resp: 115847

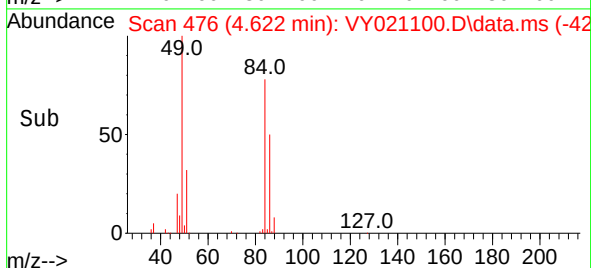
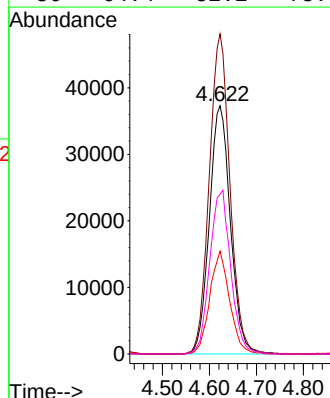
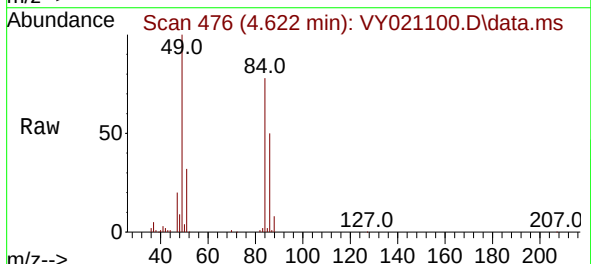
Ion Ratio Lower Upper

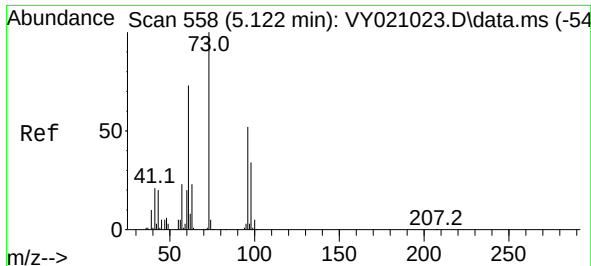
84 100

49 129.0 95.2 142.8

51 41.4 29.9 44.9

86 64.4 52.2 78.4

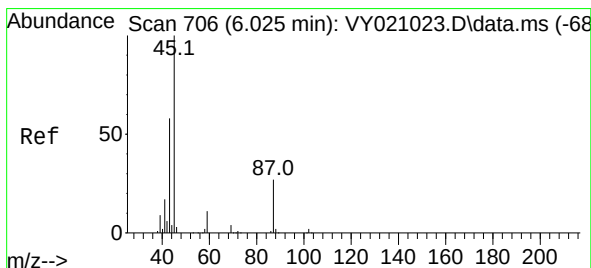
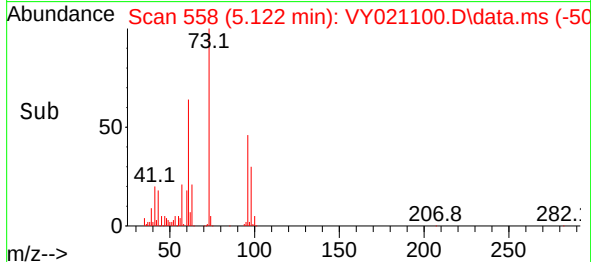
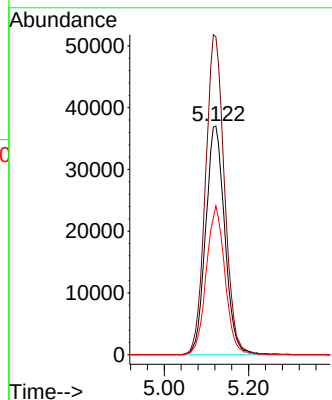
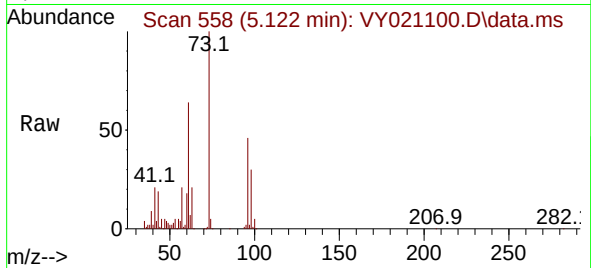




#21  
trans-1,2-Dichloroethene  
Concen: 52.336 ug/l  
RT: 5.122 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

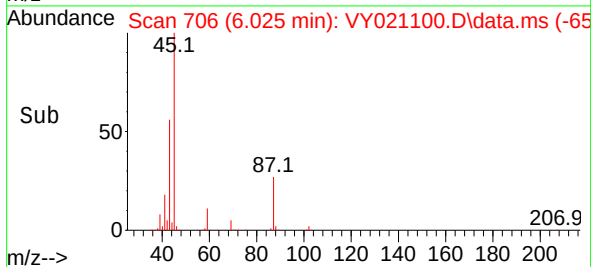
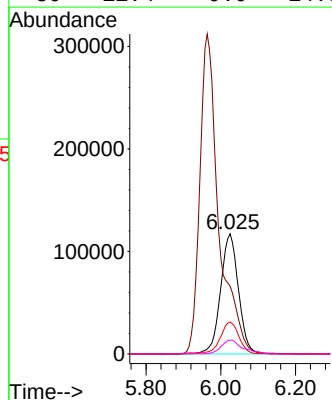
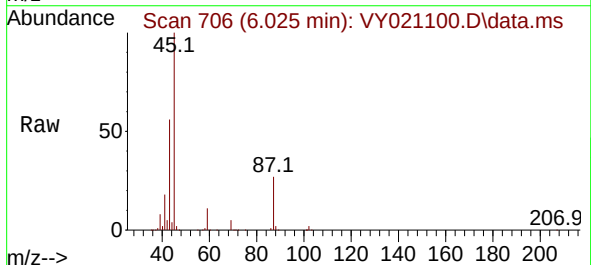
Instrument :  
MSVOA\_Y  
ClientSampleId :

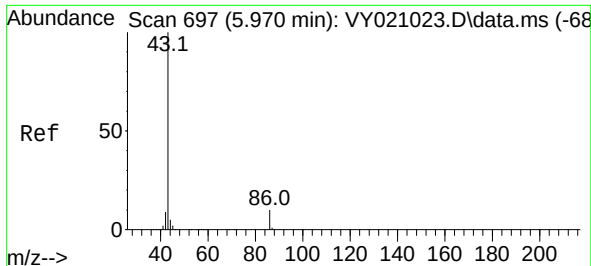
Tgt Ion: 96 Resp: 116597  
Ion Ratio Lower Upper  
96 100  
61 139.0 104.6 156.8  
98 65.1 50.9 76.3



#22  
Diisopropyl ether  
Concen: 55.304 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 45 Resp: 388839  
Ion Ratio Lower Upper  
45 100  
43 56.4 46.8 70.2  
87 26.6 22.2 33.2  
59 11.4 9.9 14.9

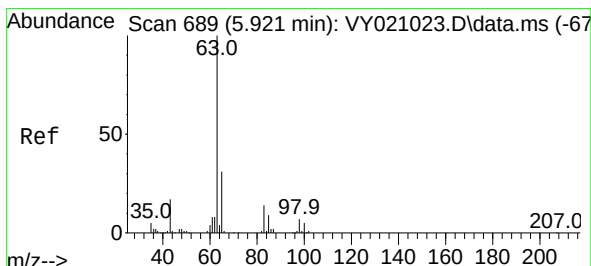
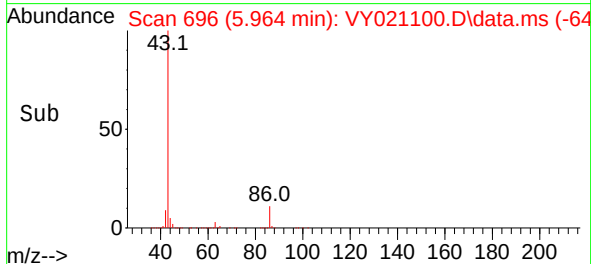
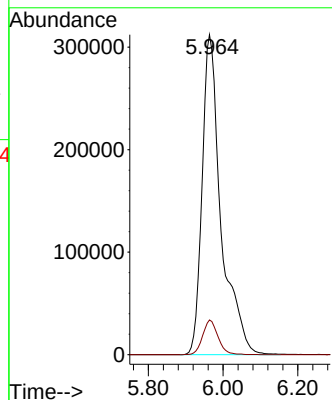
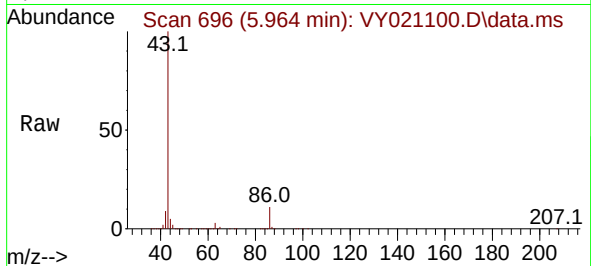




#23  
 Vinyl Acetate  
 Concen: 279.967 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. -0.006 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

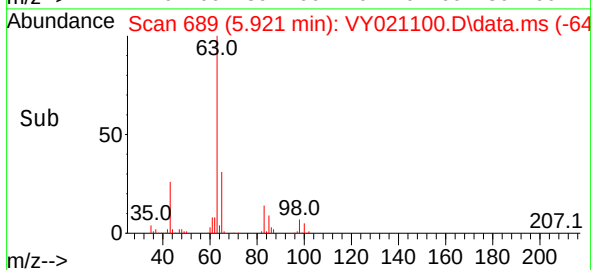
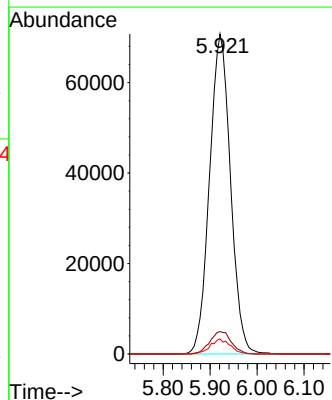
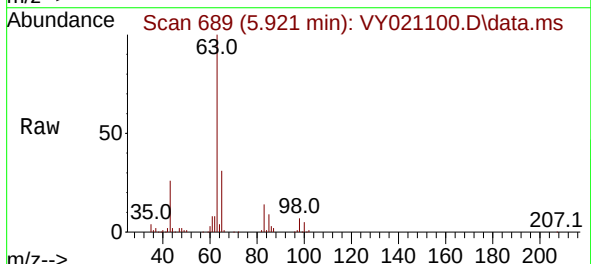
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 1097320  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.6 13.0

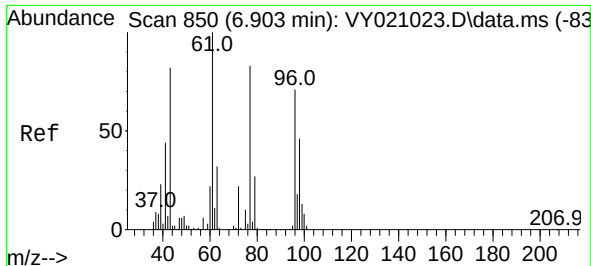


#24  
 1,1-Dichloroethane  
 Concen: 53.196 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. -0.000 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

Tgt Ion: 63 Resp: 219132  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.8 11.4  
 100 4.7 2.1 6.2







#25

2-Butanone

Concen: 300.963 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

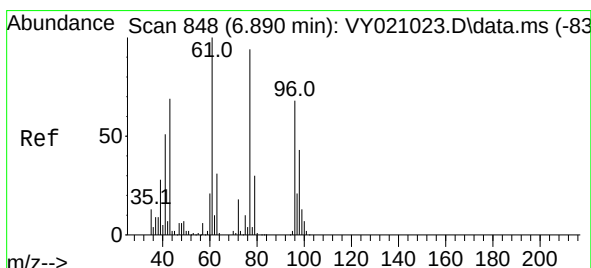
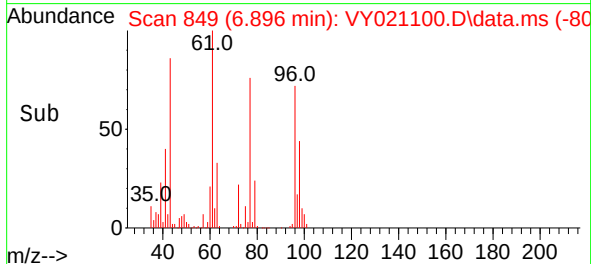
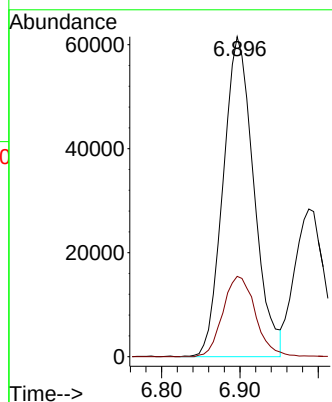
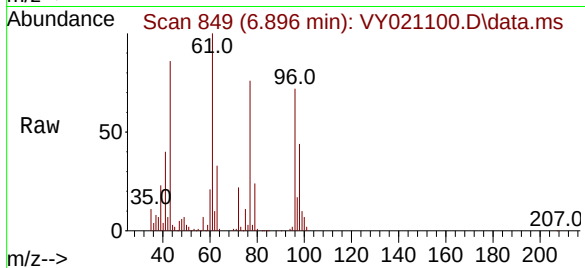
ClientSampleId :

Tgt Ion: 43 Resp: 167740

Ion Ratio Lower Upper

43 100

72 25.1 21.4 32.2



#26

2,2-Dichloropropane

Concen: 46.336 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021100.D

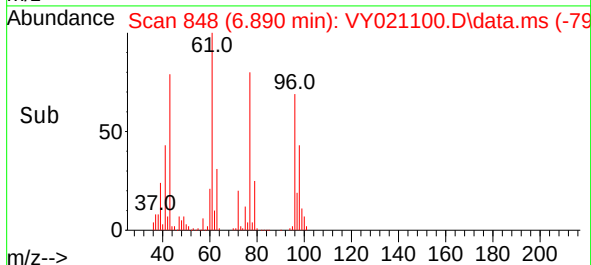
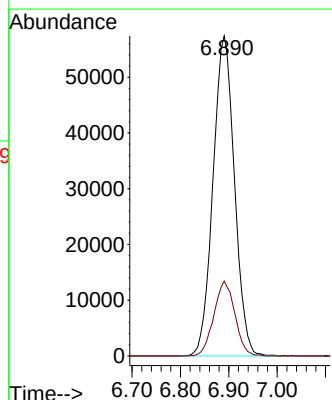
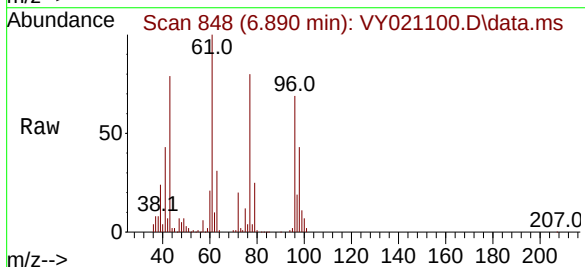
Acq: 05 Feb 2025 19:40

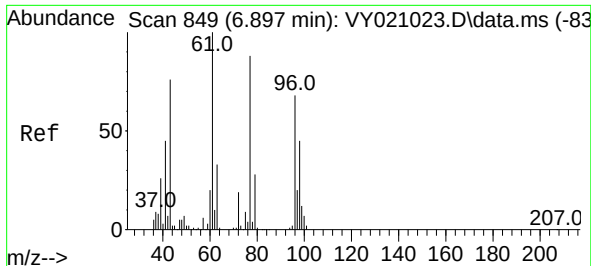
Tgt Ion: 77 Resp: 176612

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0

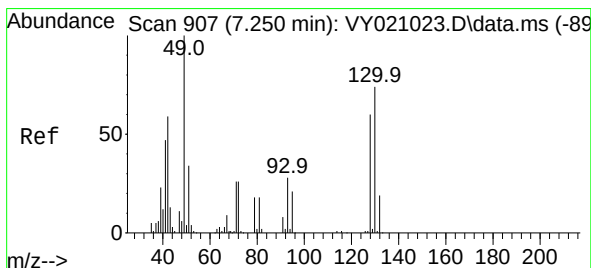
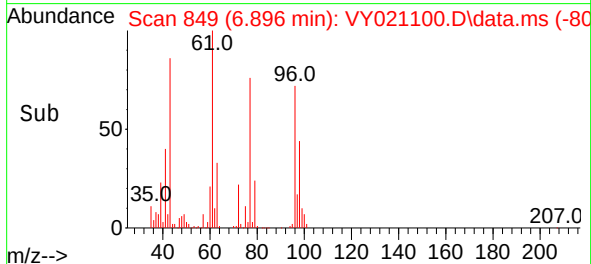
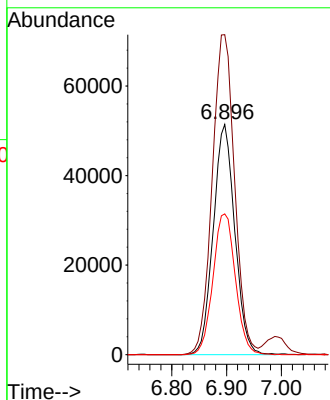
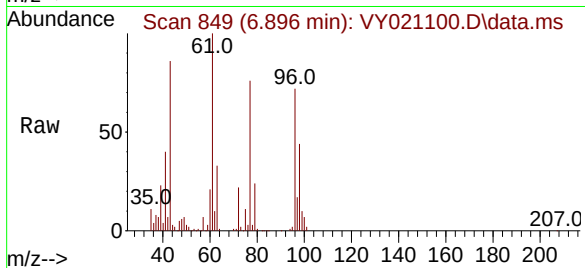




#27  
 cis-1,2-Dichloroethene  
 Concen: 54.735 ug/l  
 RT: 6.896 min Scan# 849  
 Delta R.T. -0.000 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

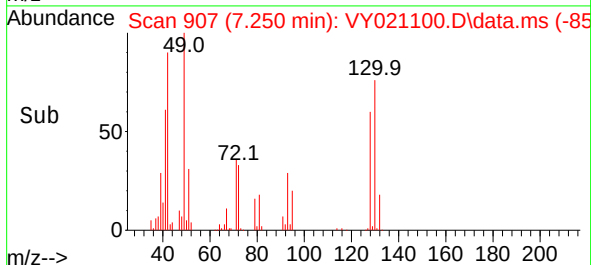
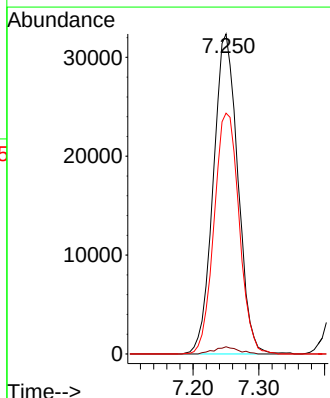
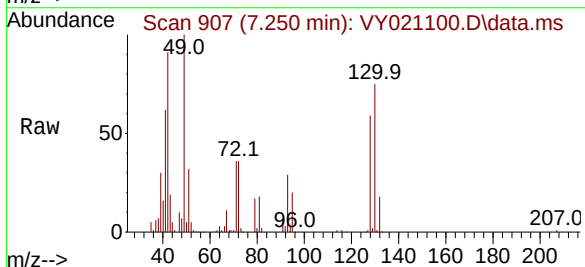
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

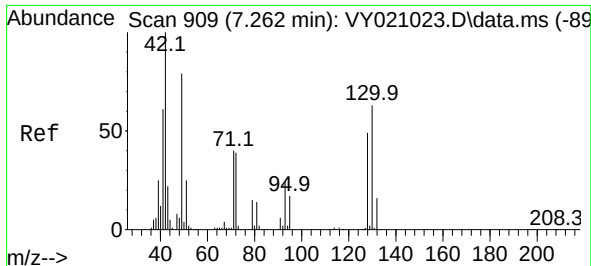
Tgt Ion: 96 Resp: 140360  
 Ion Ratio Lower Upper  
 96 100  
 61 144.6 0.0 278.8  
 98 63.7 0.0 127.0



#28  
 Bromochloromethane  
 Concen: 51.633 ug/l  
 RT: 7.250 min Scan# 907  
 Delta R.T. -0.000 min  
 Lab File: VY021100.D  
 Acq: 05 Feb 2025 19:40

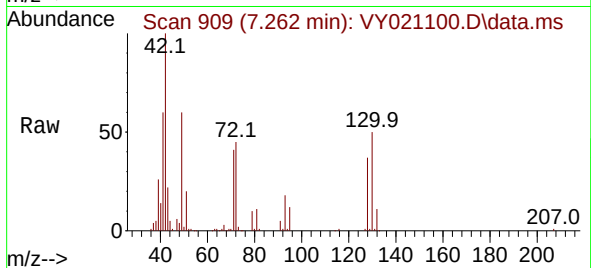
Tgt Ion: 49 Resp: 84105  
 Ion Ratio Lower Upper  
 49 100  
 129 2.2 0.0 3.8  
 130 76.8 59.8 89.8



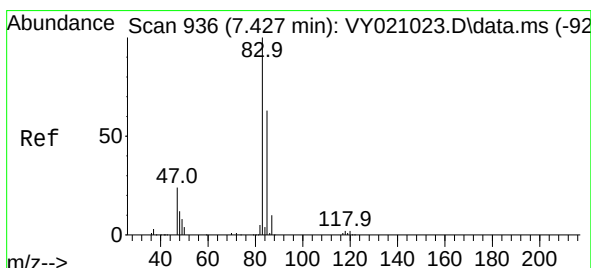
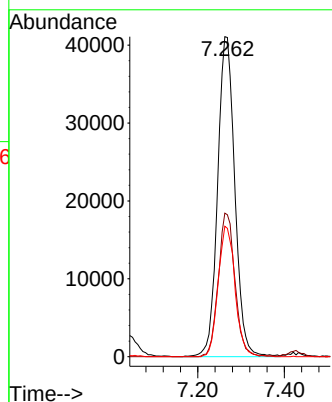
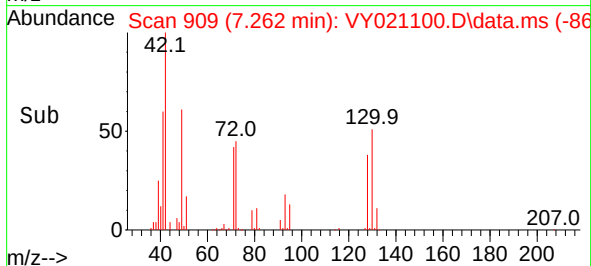


#29  
Tetrahydrofuran  
Concen: 301.179 ug/l  
RT: 7.262 min Scan# 909  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

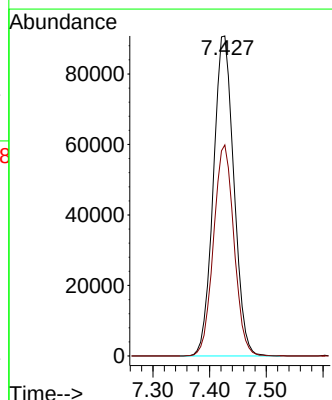
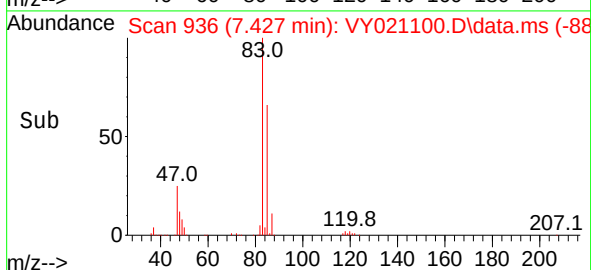
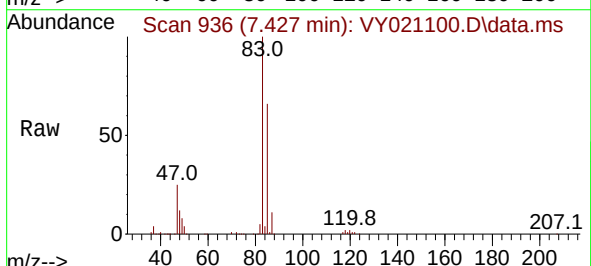


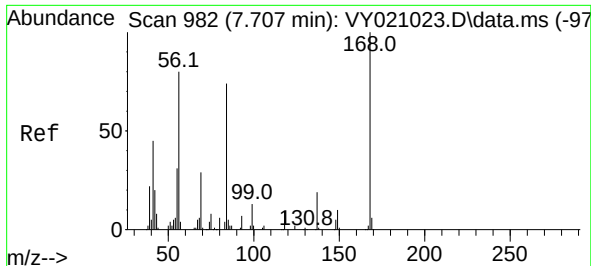
Tgt Ion: 42 Resp: 113585  
Ion Ratio Lower Upper  
42 100  
72 43.5 36.6 54.8  
71 40.2 33.8 50.6



#30  
Chloroform  
Concen: 53.927 ug/l  
RT: 7.427 min Scan# 936  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 83 Resp: 228176  
Ion Ratio Lower Upper  
83 100  
85 65.9 51.2 76.8

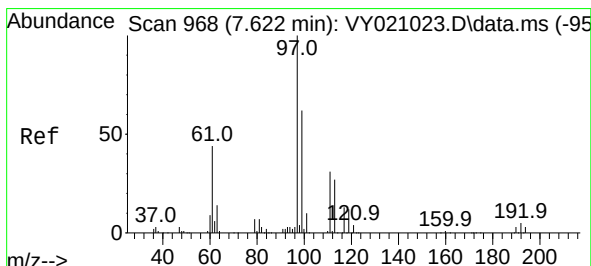
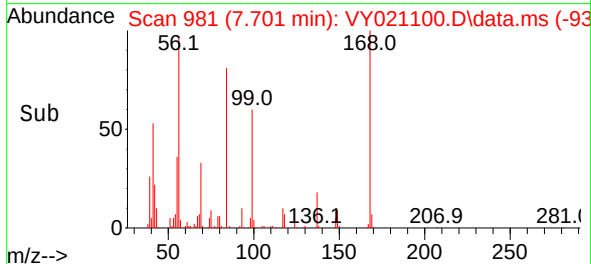
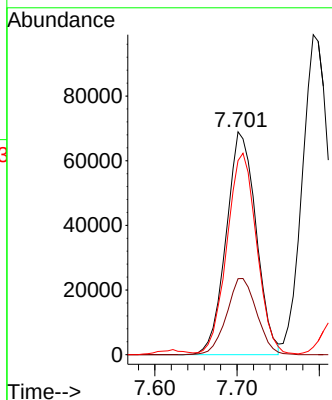
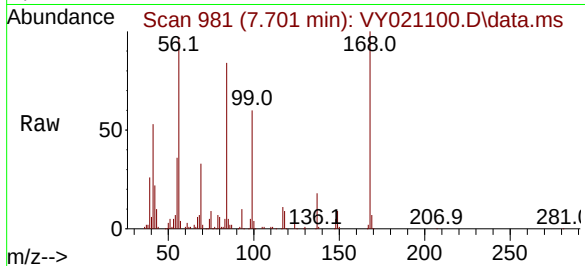




#31  
Cyclohexane  
Concen: 47.018 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

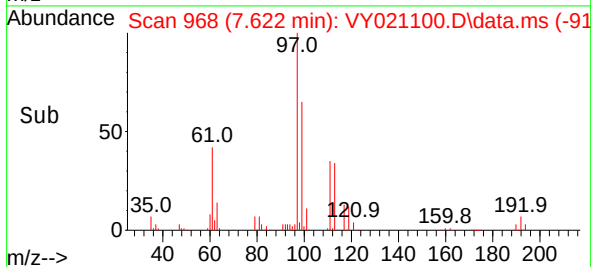
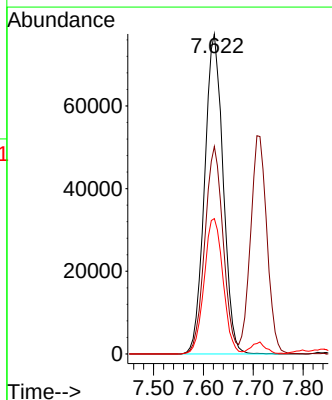
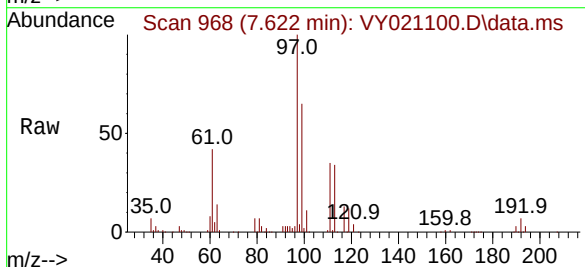
Instrument :  
MSVOA\_Y  
ClientSampleId :

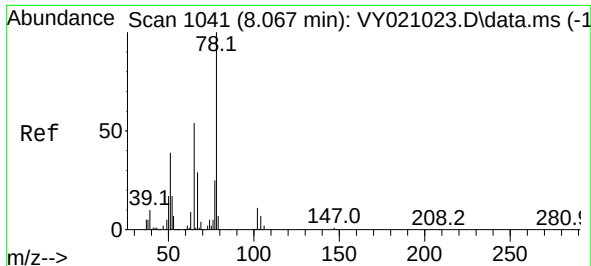
Tgt Ion: 56 Resp: 174416  
Ion Ratio Lower Upper  
56 100  
69 34.1 27.0 40.6  
84 85.5 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 50.680 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 97 Resp: 199368  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.2 76.8  
61 43.1 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 52.048 ug/l

RT: 8.067 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

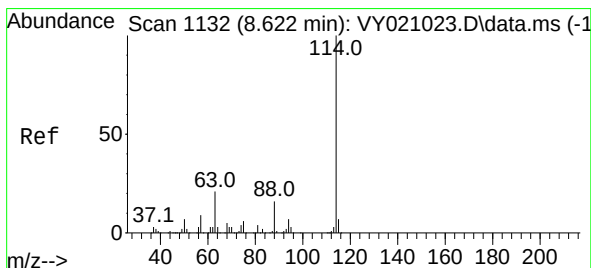
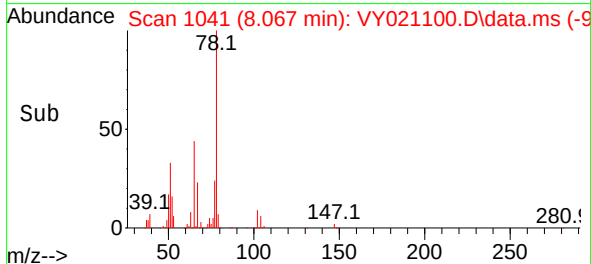
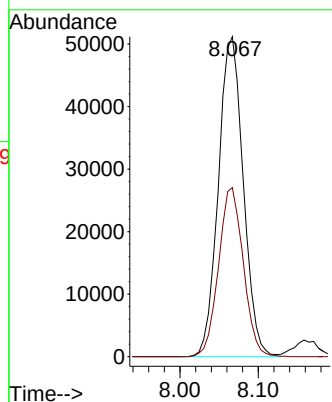
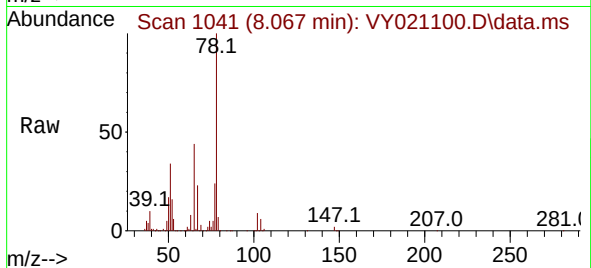
ClientSampleId :

Tgt Ion: 65 Resp: 113197

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

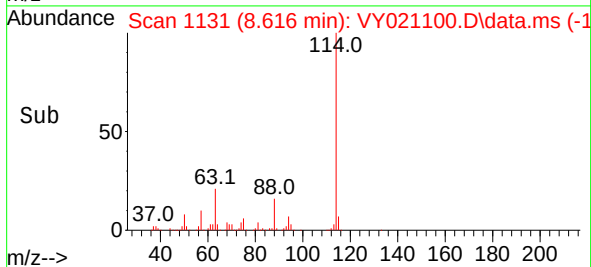
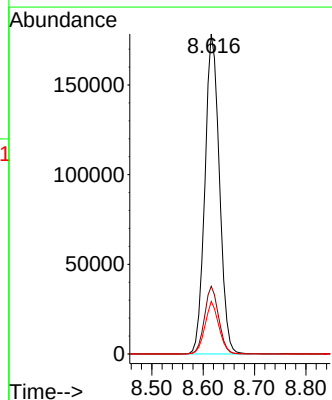
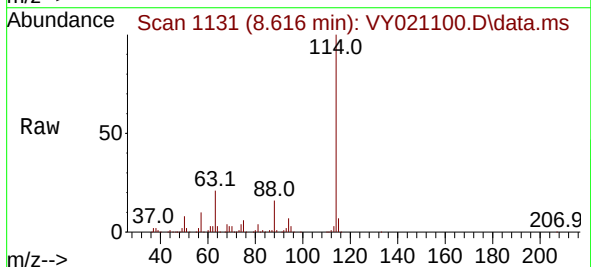
Tgt Ion: 114 Resp: 348682

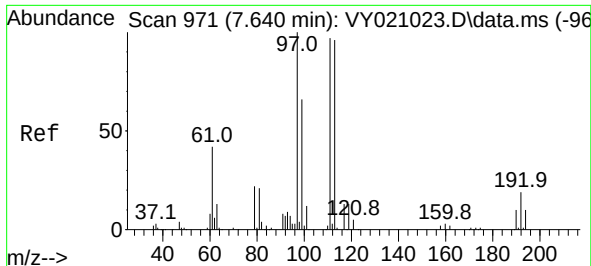
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 16.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

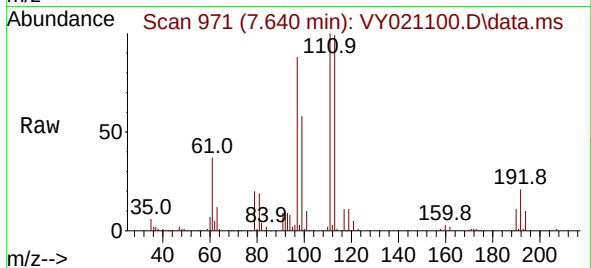
Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :



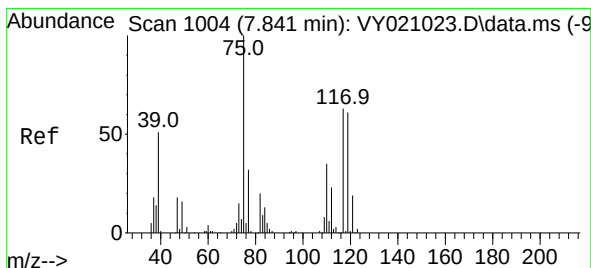
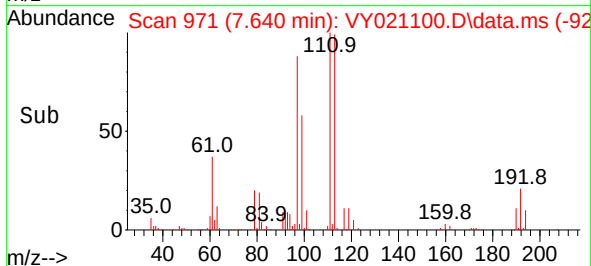
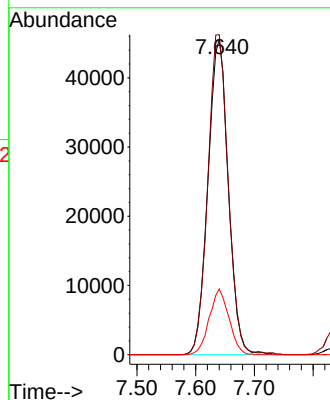
Tgt Ion:113 Resp: 109262

Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 20.2 14.5 21.7



#36

1,1-Dichloropropene

Concen: 47.101 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

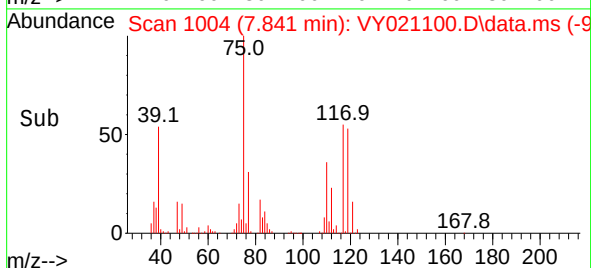
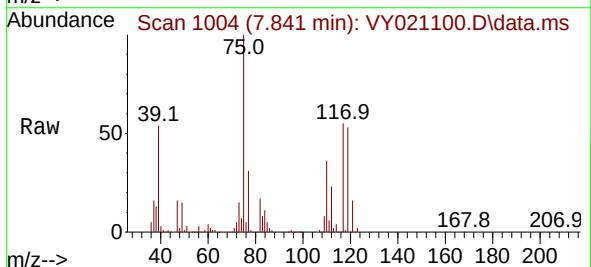
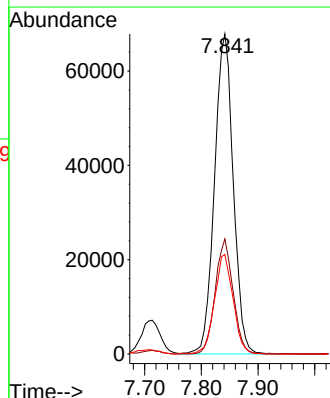
Tgt Ion: 75 Resp: 155895

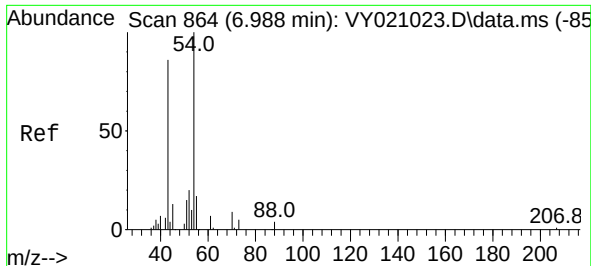
Ion Ratio Lower Upper

75 100

110 34.2 17.4 52.3

77 30.9 24.7 37.1

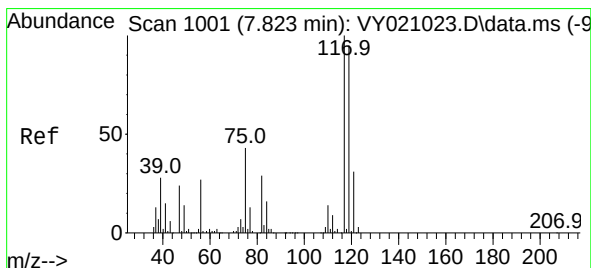
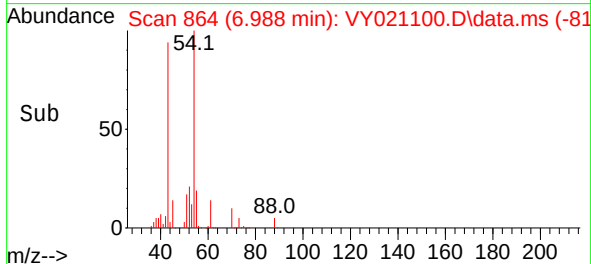
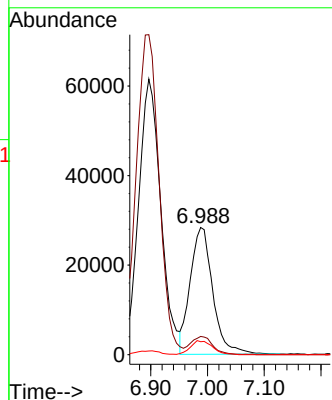
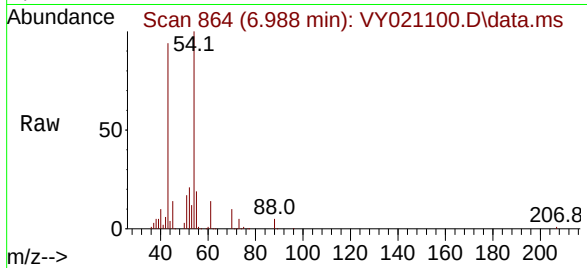




#37  
Ethyl Acetate  
Concen: 53.903 ug/l  
RT: 6.988 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

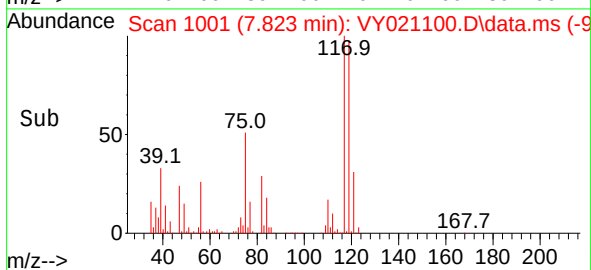
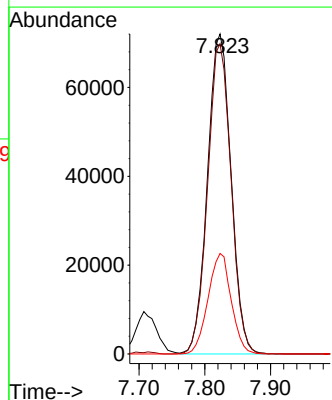
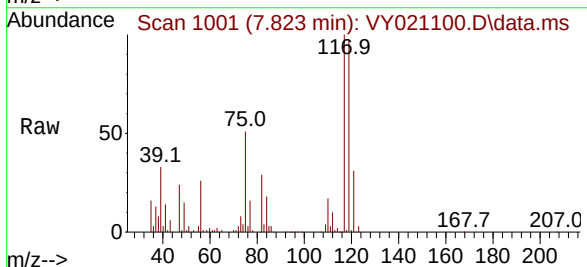
Instrument :  
MSVOA\_Y  
ClientSampleId :

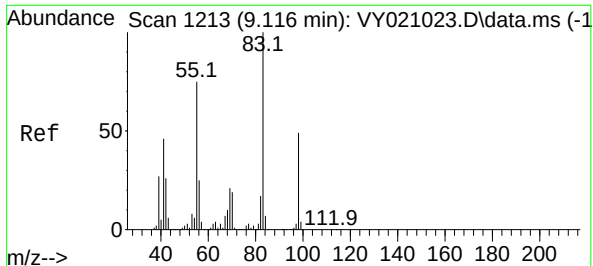
Tgt Ion: 43 Resp: 78266  
Ion Ratio Lower Upper  
43 100  
61 14.2 11.0 16.6  
70 10.7 8.1 12.1



#38  
Carbon Tetrachloride  
Concen: 46.621 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 117 Resp: 180300  
Ion Ratio Lower Upper  
117 100  
119 96.9 76.0 114.0  
121 31.4 24.2 36.2





#39

Methylcyclohexane

Concen: 47.864 ug/l

RT: 9.109 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

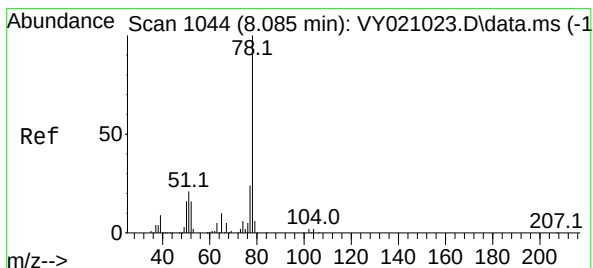
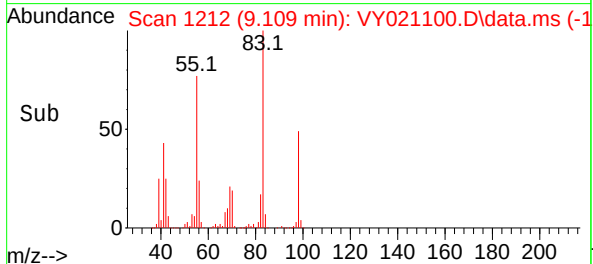
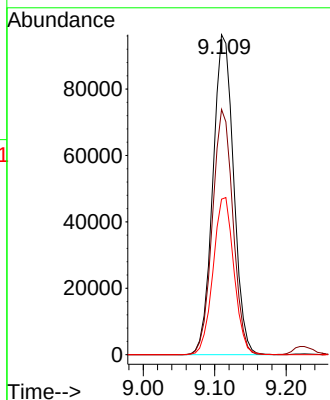
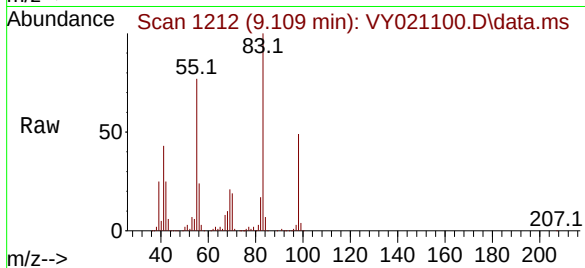
Tgt Ion: 83 Resp: 193778

Ion Ratio Lower Upper

83 100

55 76.6 59.7 89.5

98 48.6 38.0 57.0



#40

Benzene

Concen: 50.366 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY021100.D

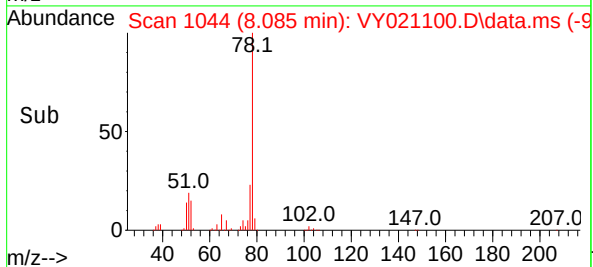
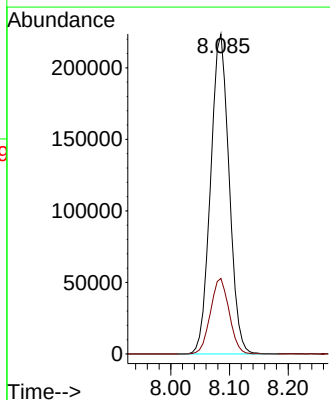
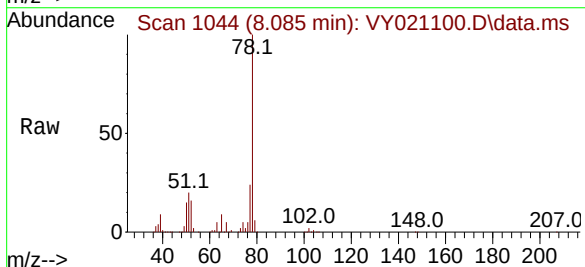
Acq: 05 Feb 2025 19:40

Tgt Ion: 78 Resp: 489209

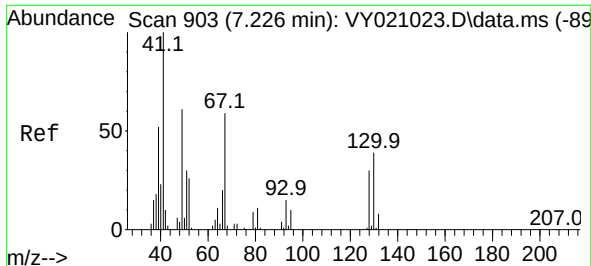
Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

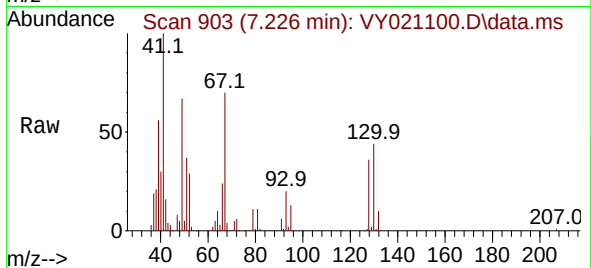




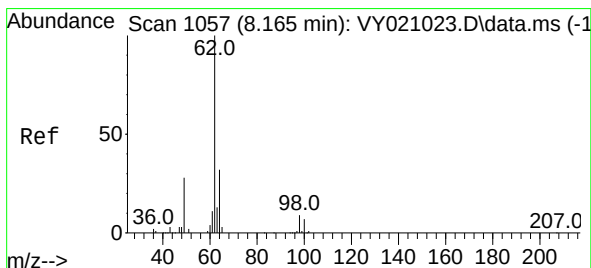
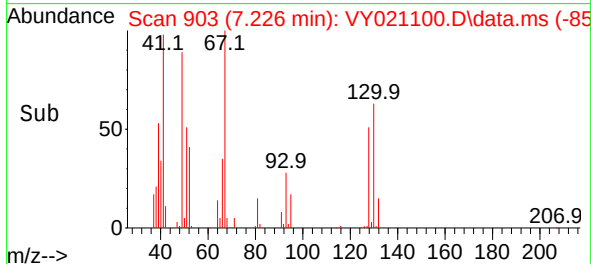
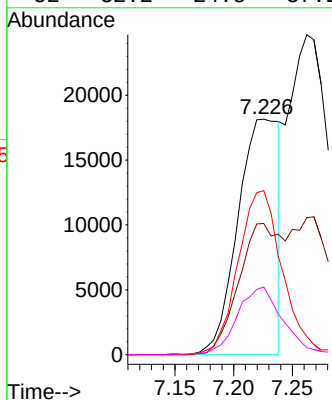


#41  
Methacrylonitrile  
Concen: 52.474 ug/l  
RT: 7.226 min Scan# 903  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

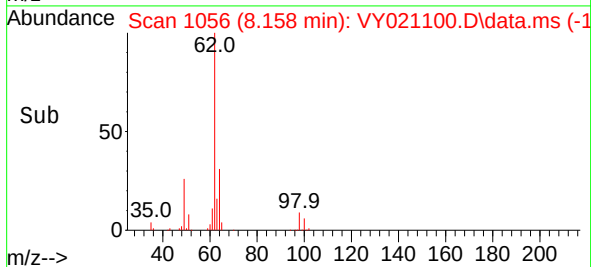
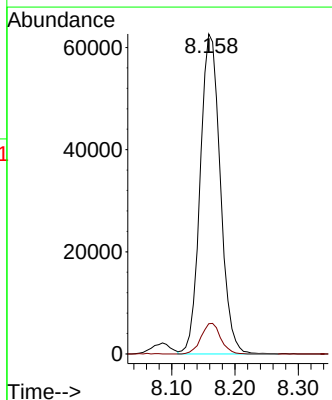
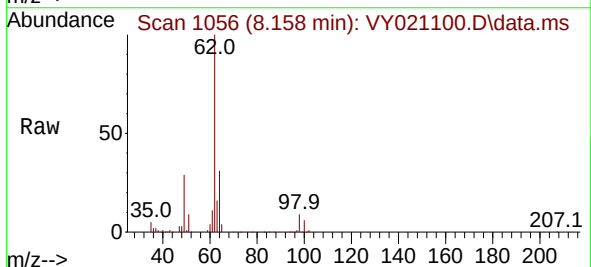


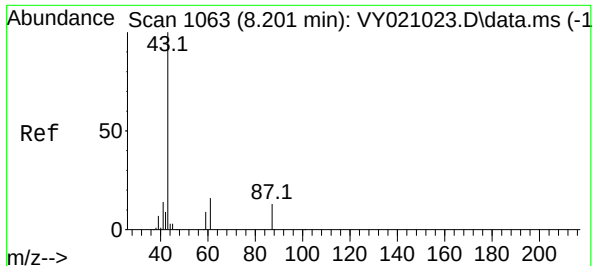
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 44079 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 60.4  | 41.9  | 62.9  |
| 67       | 75.5  | 59.8  | 89.6  |
| 52       | 32.2  | 24.8  | 37.2  |



#42  
1,2-Dichloroethane  
Concen: 51.413 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 138529 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 20.2   |





#43

Isopropyl Acetate

Concen: 54.477 ug/l

RT: 8.201 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

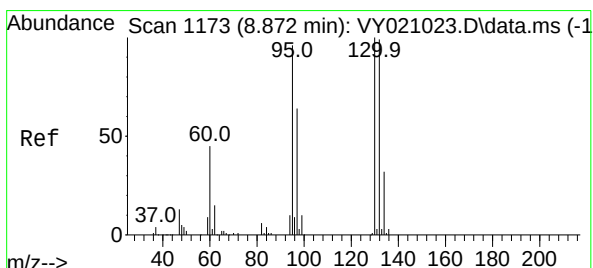
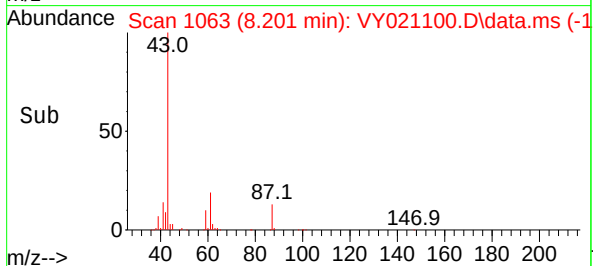
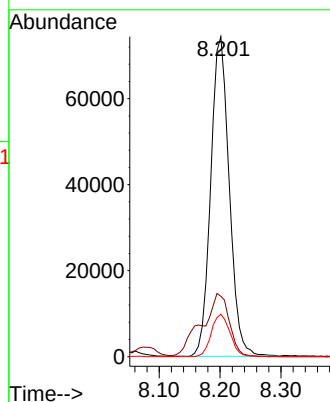
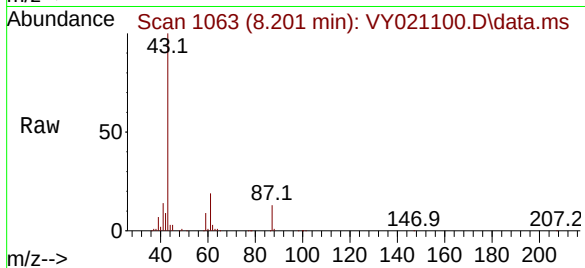
Tgt Ion: 43 Resp: 157173

Ion Ratio Lower Upper

43 100

61 29.6 24.8 37.2

87 13.4 10.7 16.1



#44

Trichloroethene

Concen: 48.687 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VY021100.D

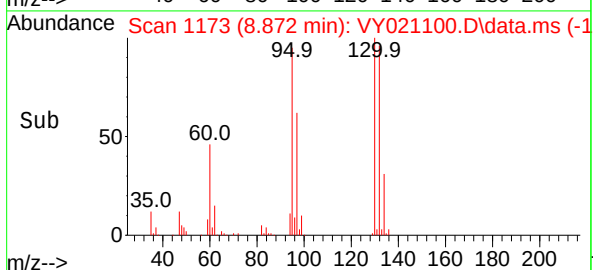
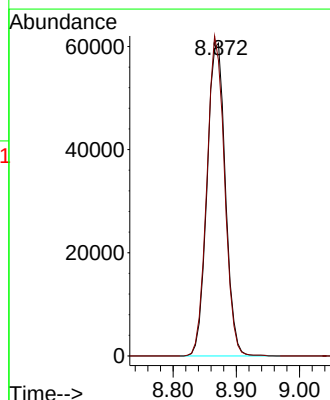
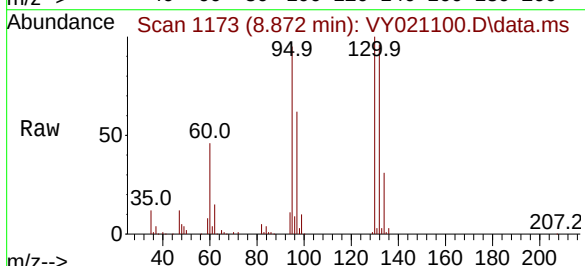
Acq: 05 Feb 2025 19:40

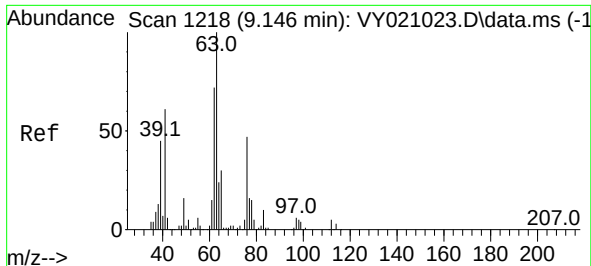
Tgt Ion:130 Resp: 122179

Ion Ratio Lower Upper

130 100

95 94.5 0.0 203.8





#45

1,2-Dichloropropane

Concen: 51.402 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

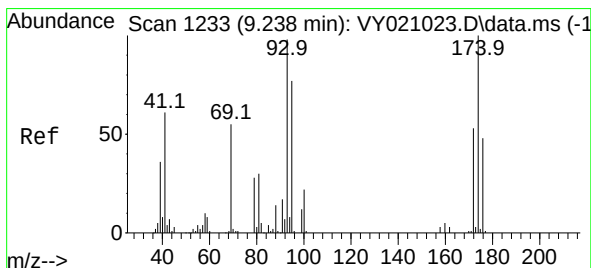
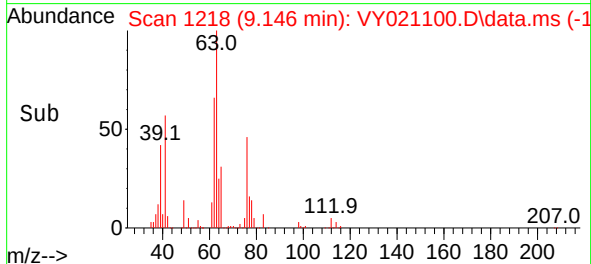
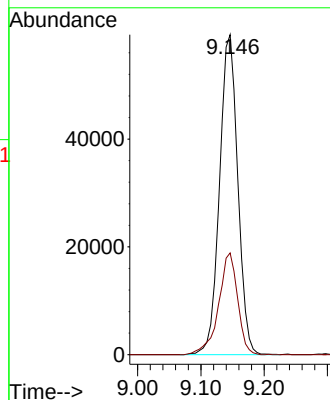
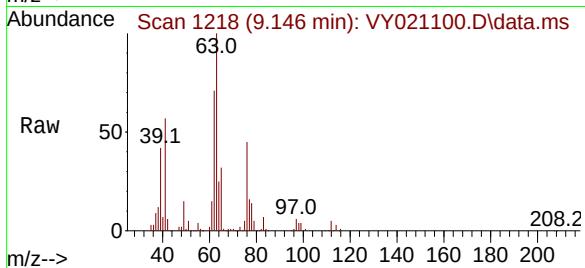
ClientSampleId :

Tgt Ion: 63 Resp: 118504

Ion Ratio Lower Upper

63 100

65 31.8 24.6 36.8



#46

Dibromomethane

Concen: 51.551 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

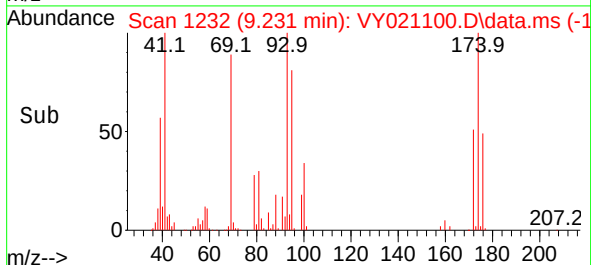
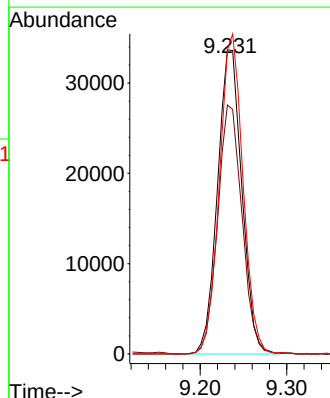
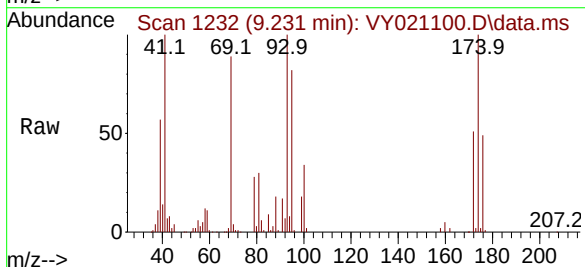
Tgt Ion: 93 Resp: 65803

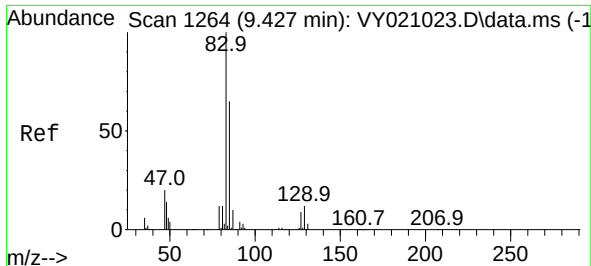
Ion Ratio Lower Upper

93 100

95 81.8 66.6 99.8

174 101.8 73.8 110.6





#47

Bromodichloromethane

Concen: 51.673 ug/l

RT: 9.426 min Scan# 1264

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

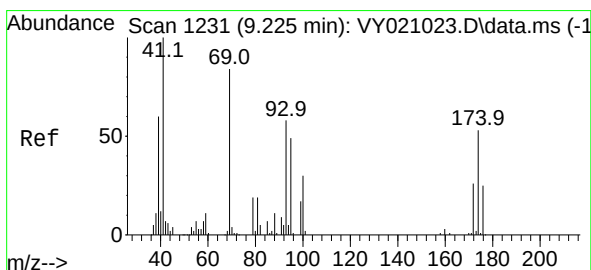
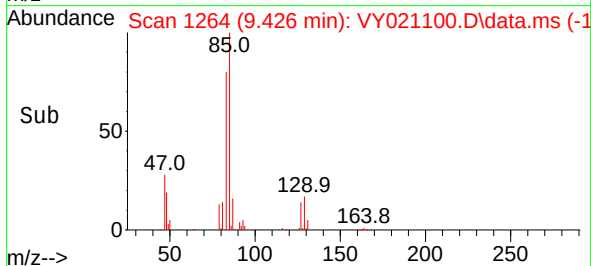
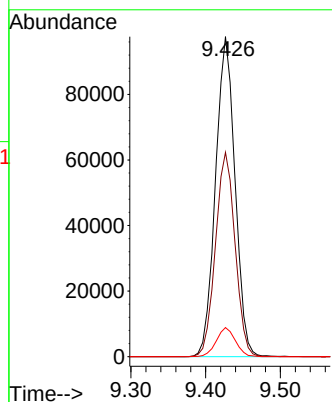
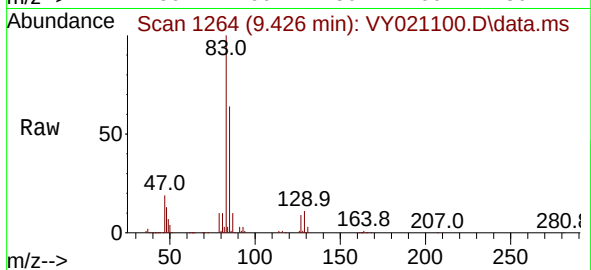
Tgt Ion: 83 Resp: 176895

Ion Ratio Lower Upper

83 100

85 63.9 53.2 79.8

127 9.1 6.4 9.6



#48

Methyl methacrylate

Concen: 57.755 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

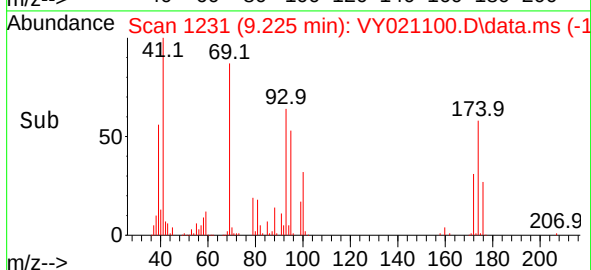
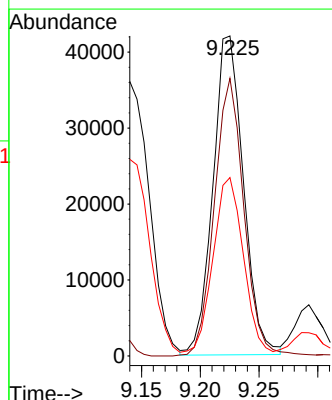
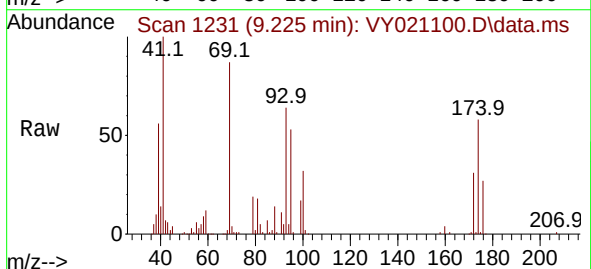
Tgt Ion: 41 Resp: 75901

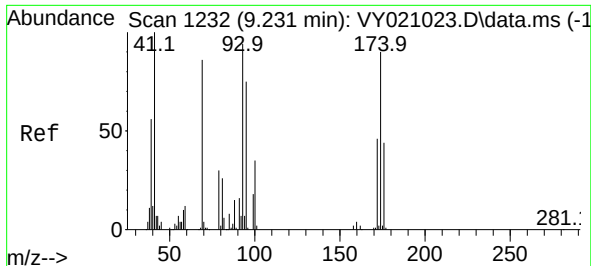
Ion Ratio Lower Upper

41 100

69 84.7 72.1 108.1

39 54.0 42.8 64.2

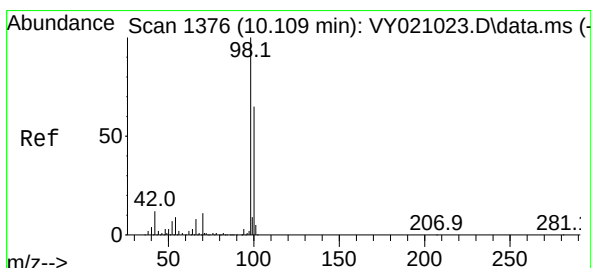
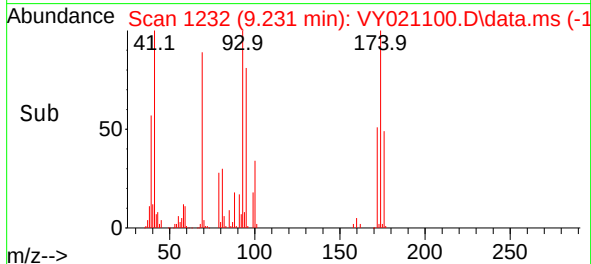
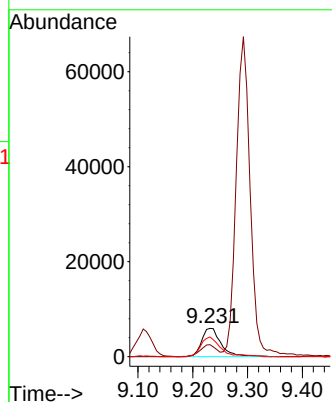
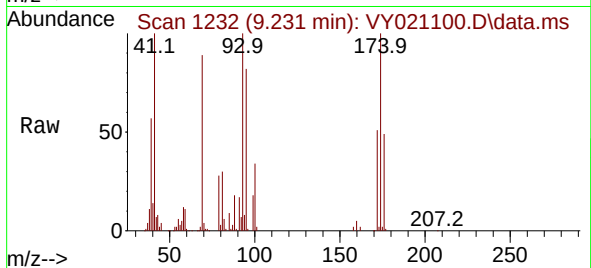




#49  
1,4-Dioxane  
Concen: 1240.777 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

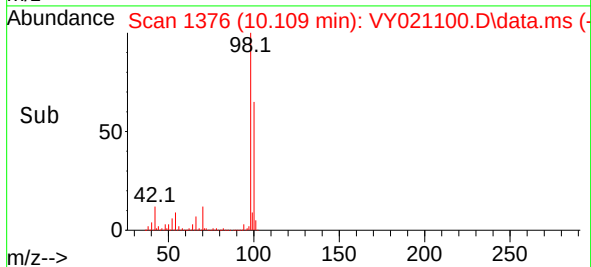
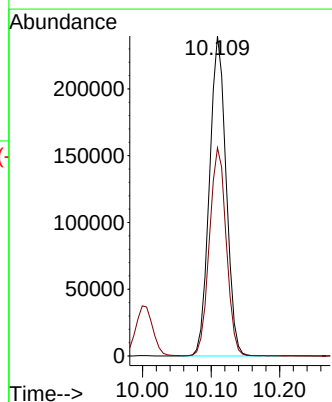
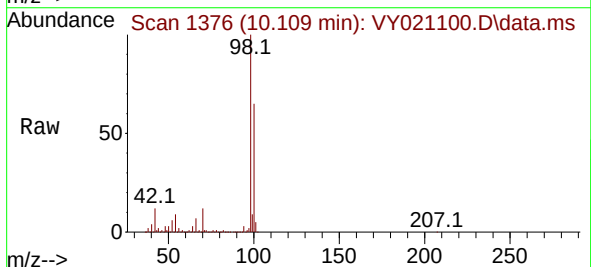
Instrument :  
MSVOA\_Y  
ClientSampleId :

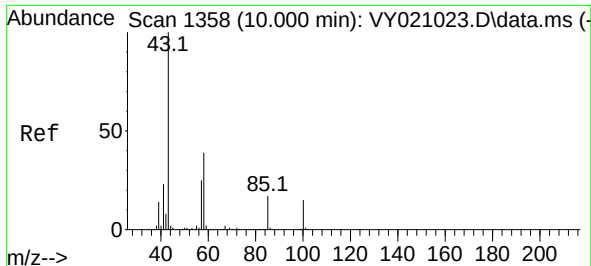
Tgt Ion: 88 Resp: 14744  
Ion Ratio Lower Upper  
88 100  
43 35.0 28.2 42.4  
58 71.1 52.2 78.2



#50  
Toluene-d8  
Concen: 47.500 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 98 Resp: 404094  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.3 78.5

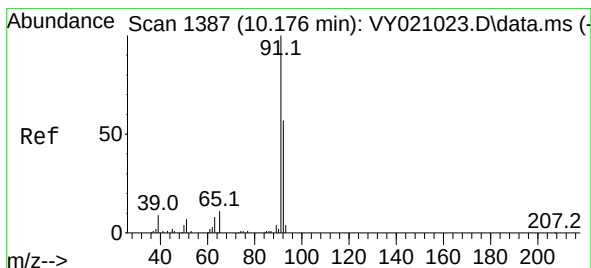
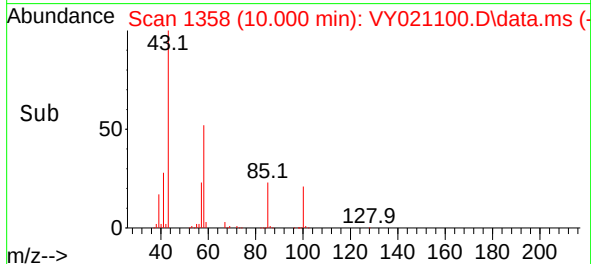
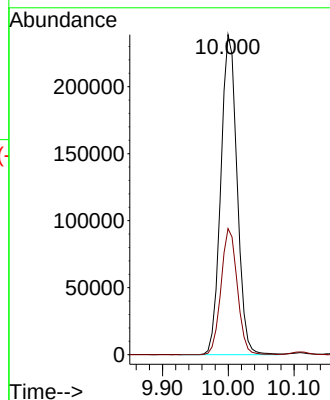
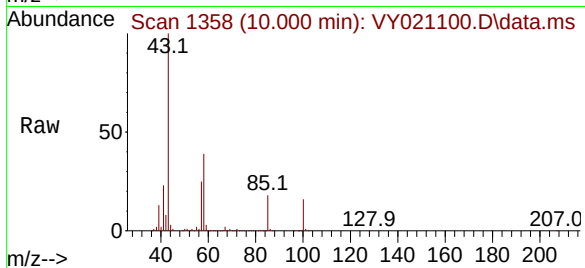




#51  
4-Methyl-2-Pentanone  
Concen: 282.927 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

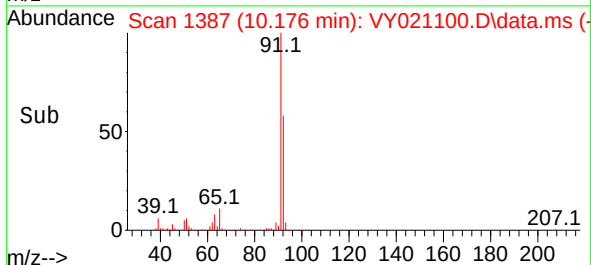
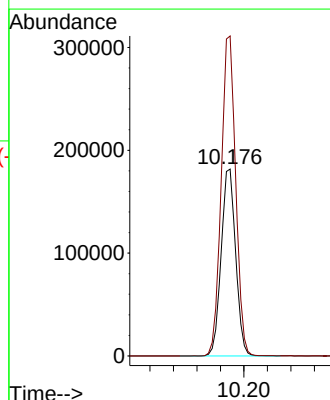
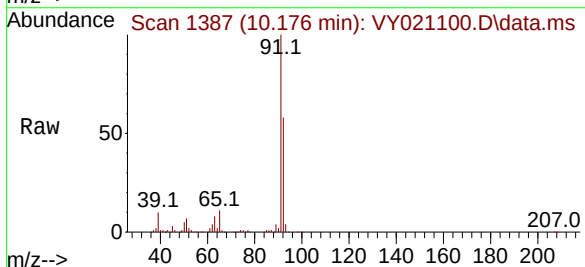
Instrument :  
MSVOA\_Y  
ClientSampleId :

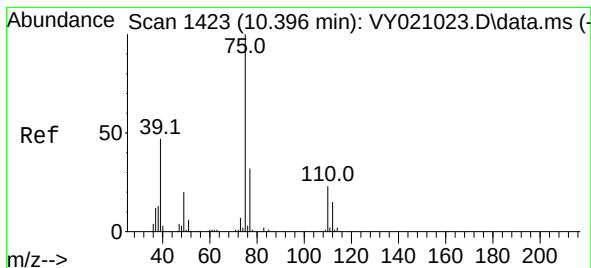
Tgt Ion: 43 Resp: 410481  
Ion Ratio Lower Upper  
43 100  
58 39.4 32.2 48.2



#52  
Toluene  
Concen: 51.012 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 92 Resp: 311115  
Ion Ratio Lower Upper  
92 100  
91 171.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 53.370 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

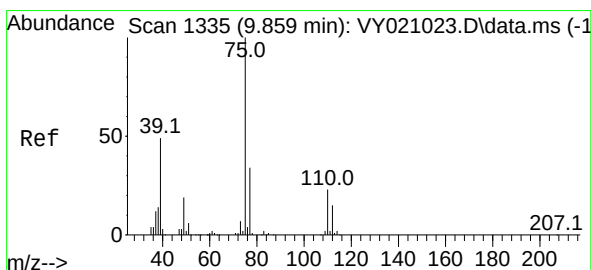
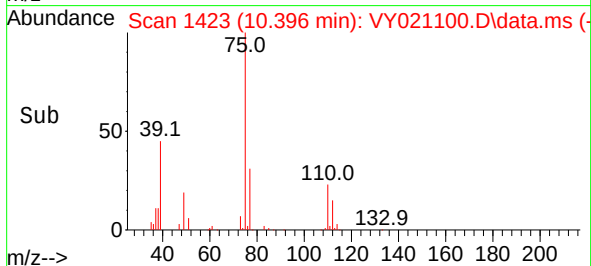
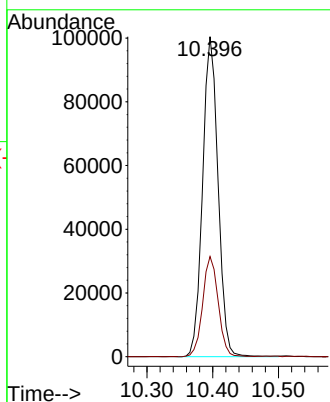
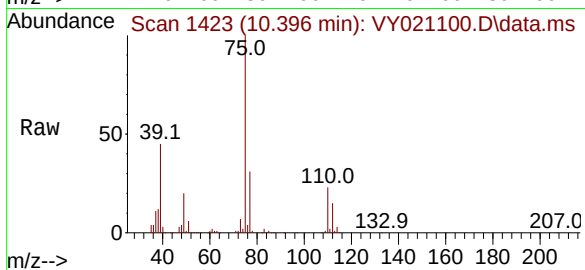
ClientSampleId :

Tgt Ion: 75 Resp: 164055

Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 51.555 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

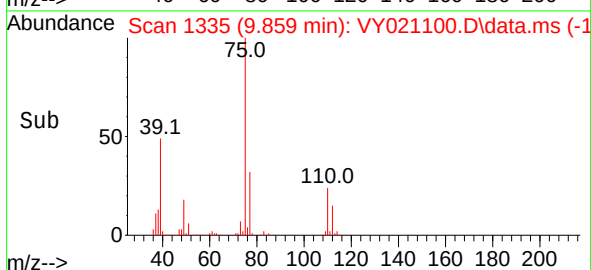
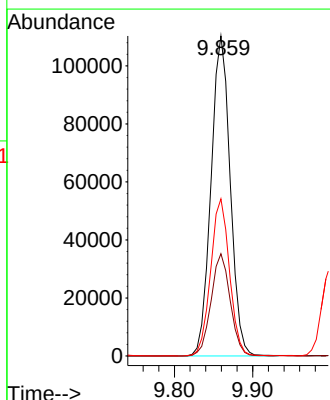
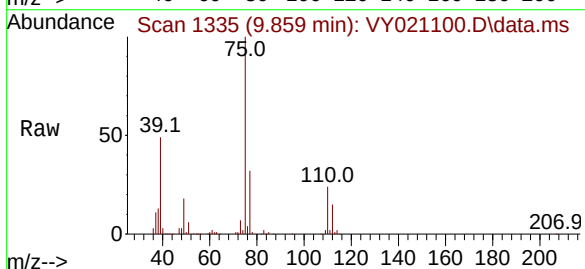
Tgt Ion: 75 Resp: 187639

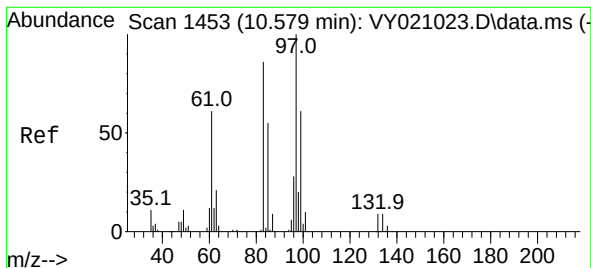
Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8

39 49.1 33.6 50.4

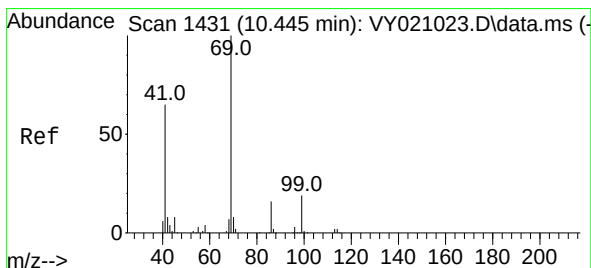
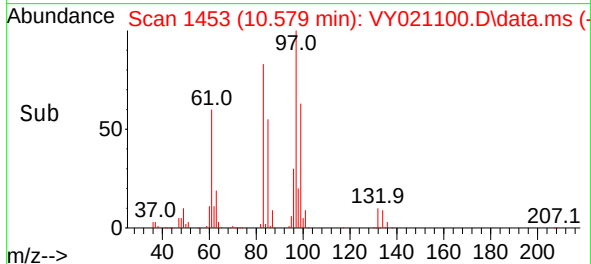
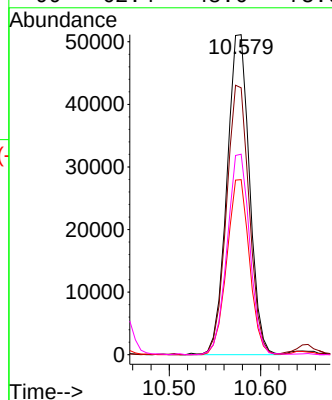
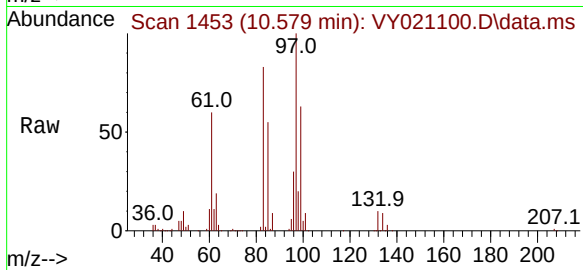




#55  
1,1,2-Trichloroethane  
Concen: 53.221 ug/l  
RT: 10.579 min Scan# 1453  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

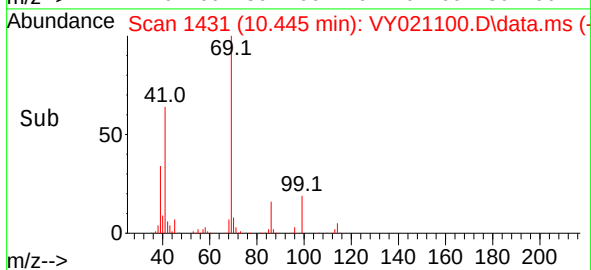
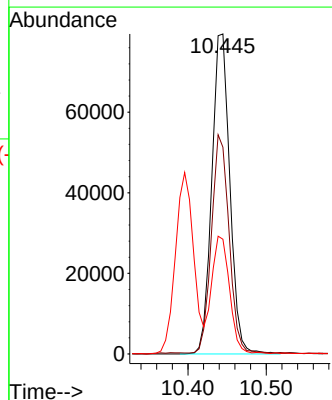
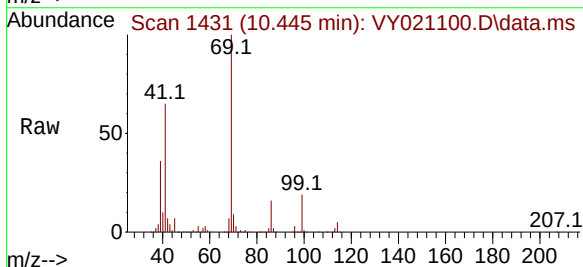
Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 87972 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.4  | 69.4  | 104.2 |
| 85       | 54.7  | 43.9  | 65.9  |
| 99       | 62.4  | 48.6  | 73.0  |

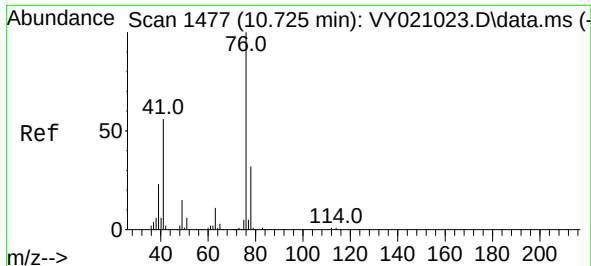


#56  
Ethyl methacrylate  
Concen: 57.440 ug/l  
RT: 10.445 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 127016 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.3  | 49.2  | 73.8   |
| 39       | 36.3  | 26.8  | 40.2   |







#57

1,3-Dichloropropane

Concen: 53.017 ug/l

RT: 10.719 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

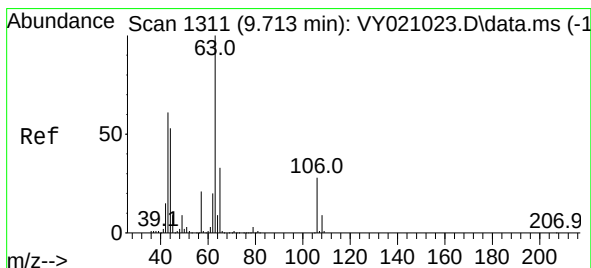
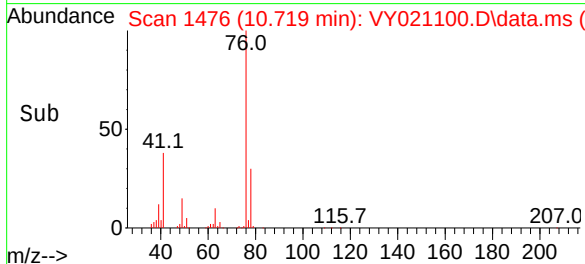
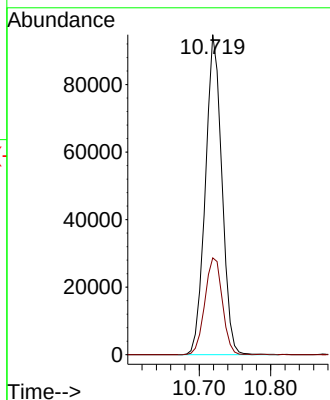
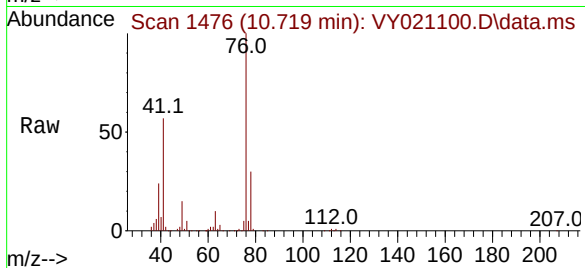
ClientSampleId :

Tgt Ion: 76 Resp: 151683

Ion Ratio Lower Upper

76 100

78 32.0 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 288.337 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY021100.D

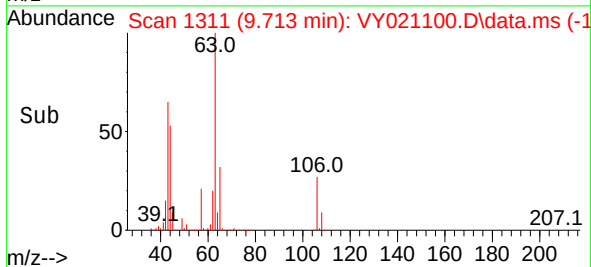
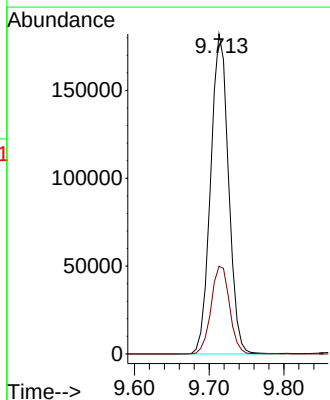
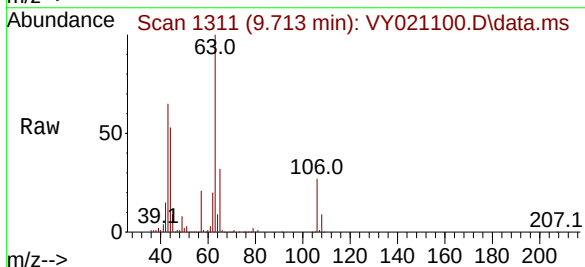
Acq: 05 Feb 2025 19:40

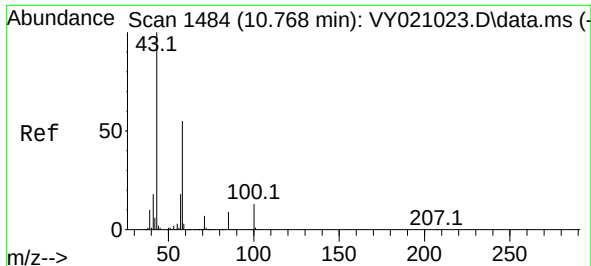
Tgt Ion: 63 Resp: 303330

Ion Ratio Lower Upper

63 100

106 28.3 22.4 33.6





#59

2-Hexanone

Concen: 292.196 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

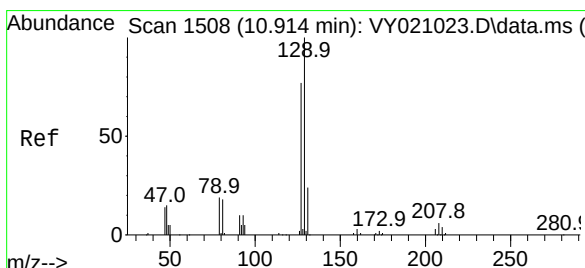
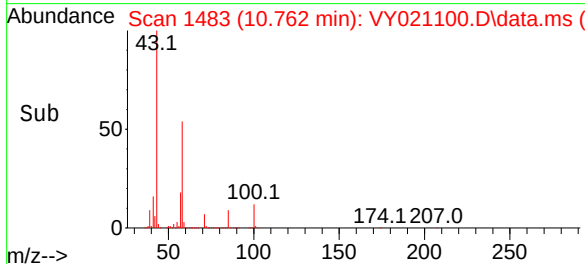
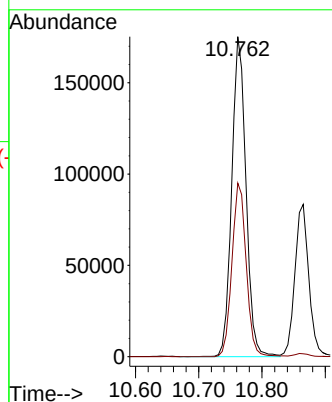
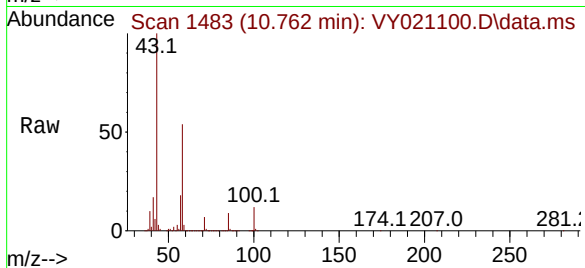
ClientSampleId :

Tgt Ion: 43 Resp: 272951

Ion Ratio Lower Upper

43 100

58 54.4 28.1 84.3



#60

Dibromochloromethane

Concen: 52.806 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VY021100.D

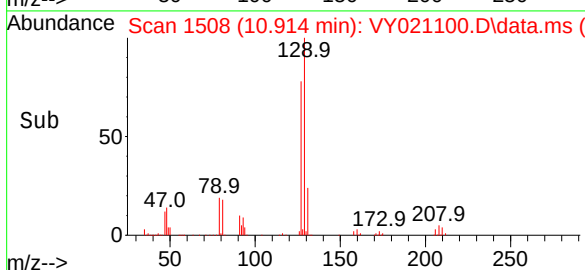
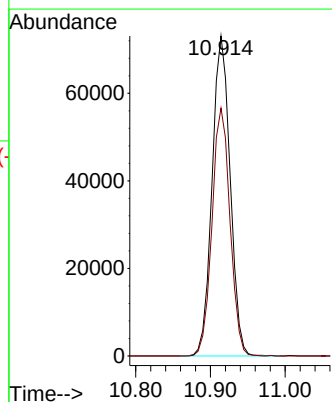
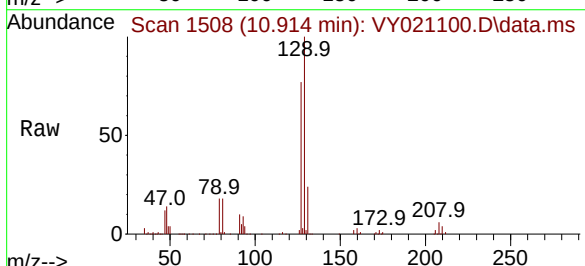
Acq: 05 Feb 2025 19:40

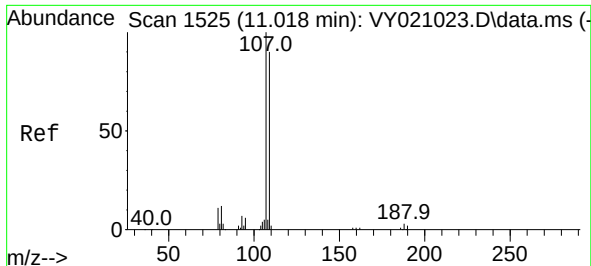
Tgt Ion: 129 Resp: 122579

Ion Ratio Lower Upper

129 100

127 77.1 39.2 117.6

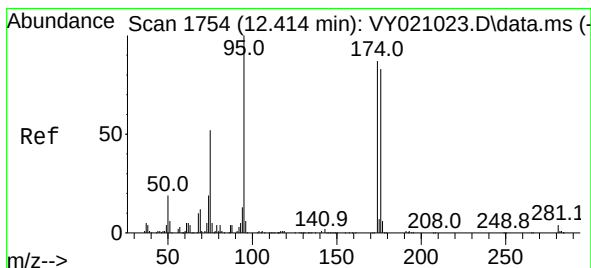
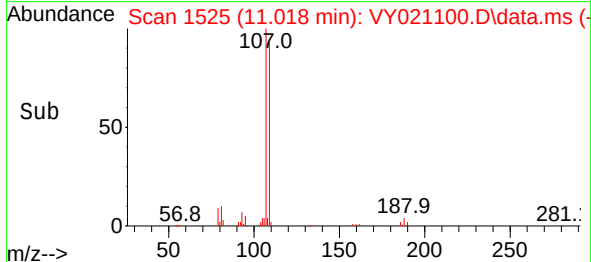
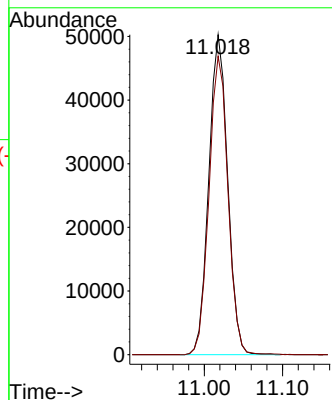
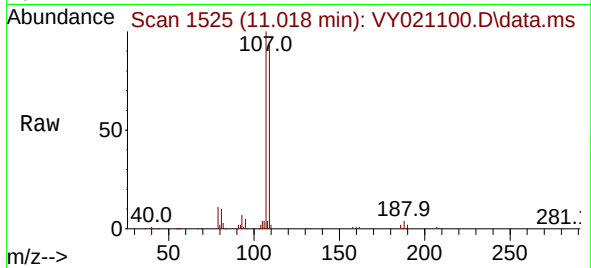




#61  
1,2-Dibromoethane  
Concen: 54.298 ug/l  
RT: 11.018 min Scan# 1525  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

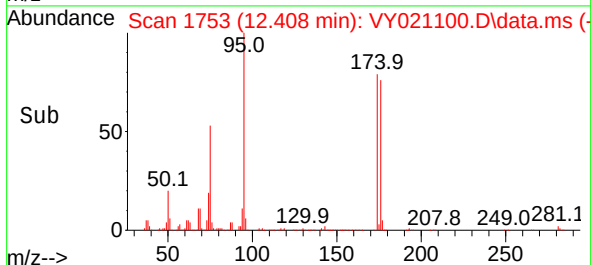
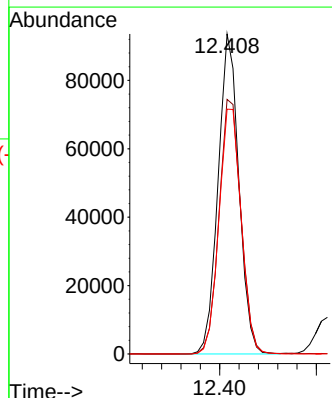
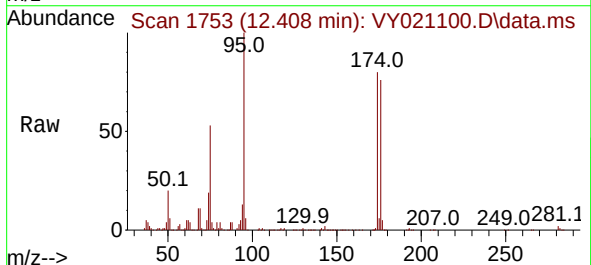
Instrument :  
MSVOA\_Y  
ClientSampleId :

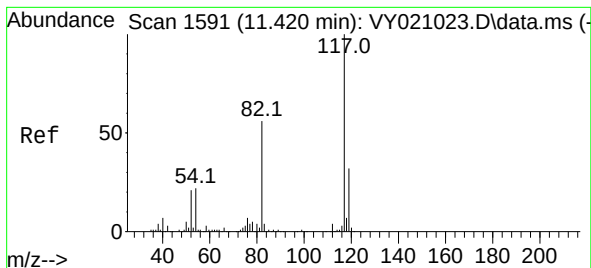
Tgt Ion:107 Resp: 84067  
Ion Ratio Lower Upper  
107 100  
109 93.9 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 50.047 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 95 Resp: 139094  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 160.0  
176 82.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

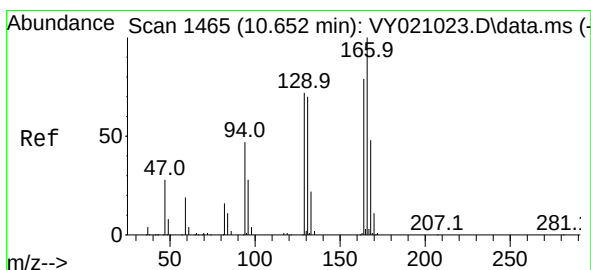
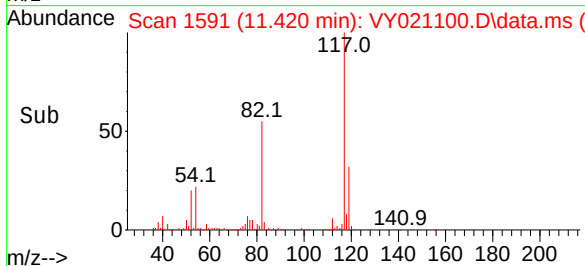
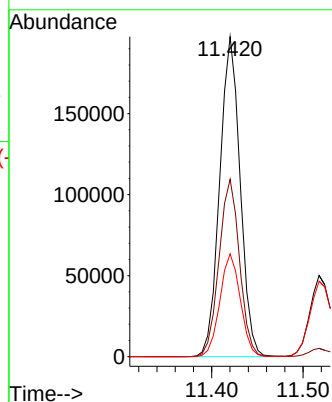
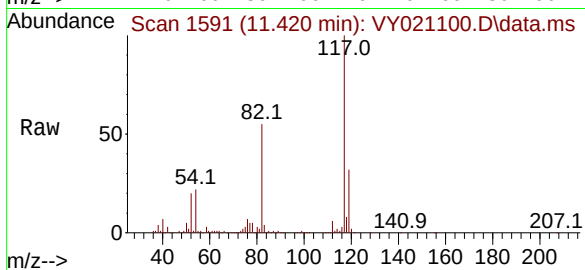
Tgt Ion:117 Resp: 306917

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

119 32.2 26.5 39.7



#64

Tetrachloroethene

Concen: 46.740 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Tgt Ion:164 Resp: 106493

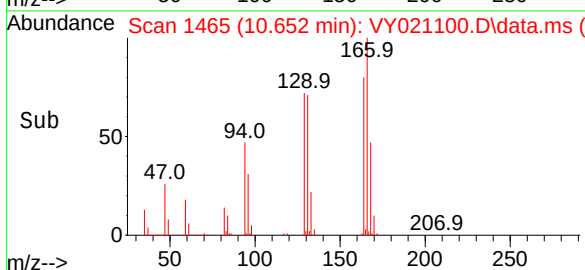
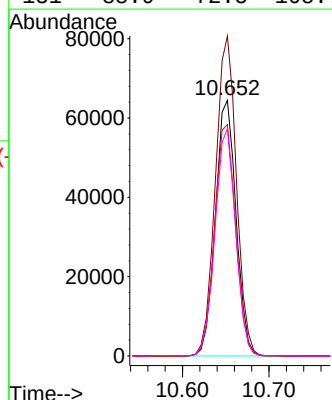
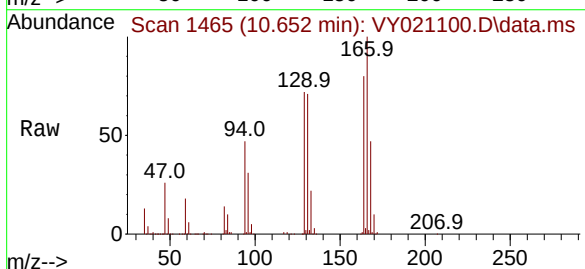
Ion Ratio Lower Upper

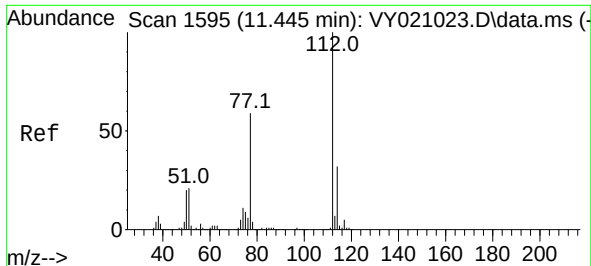
164 100

166 125.2 98.8 148.2

129 90.5 78.9 118.3

131 88.9 72.5 108.7





#65

Chlorobenzene

Concen: 49.108 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

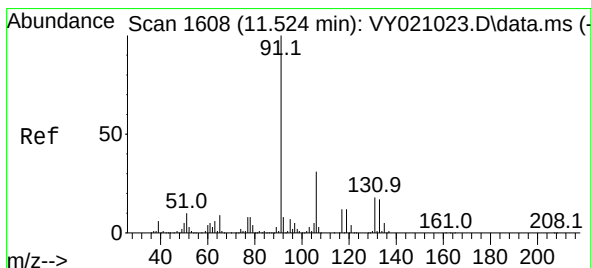
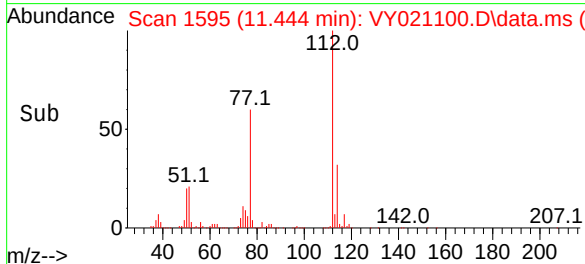
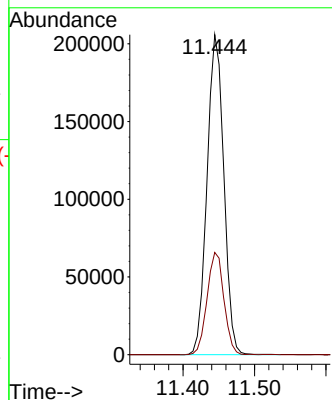
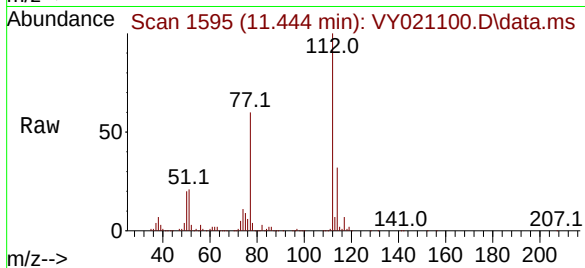
ClientSampleId :

Tgt Ion:112 Resp: 335604

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 49.676 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

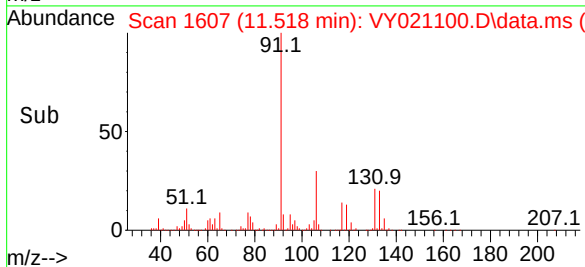
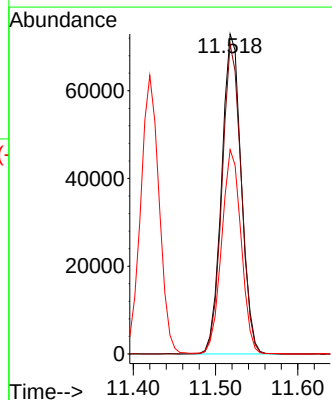
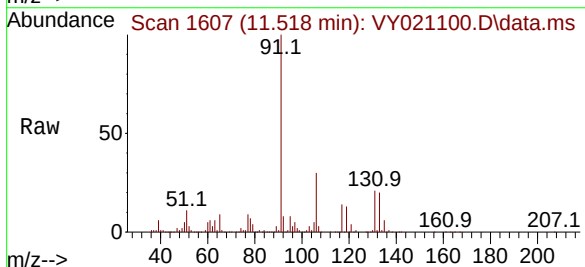
Tgt Ion:131 Resp: 120644

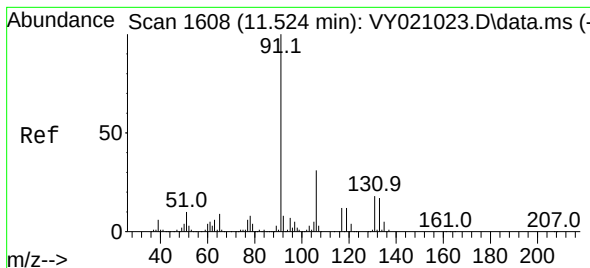
Ion Ratio Lower Upper

131 100

133 95.0 47.0 141.0

119 63.7 33.3 99.9

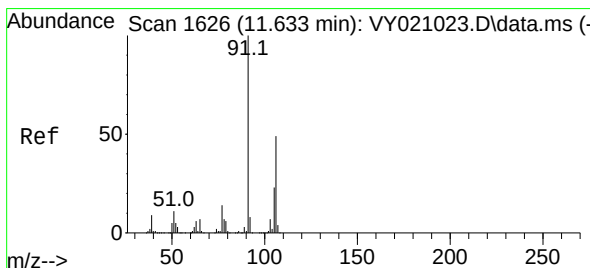
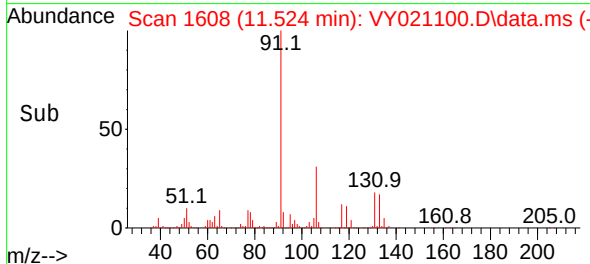
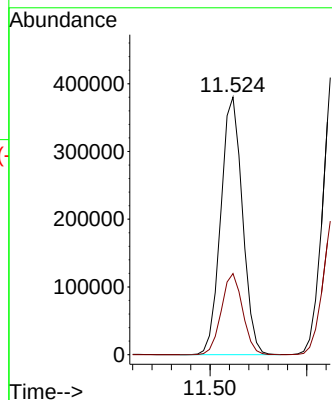
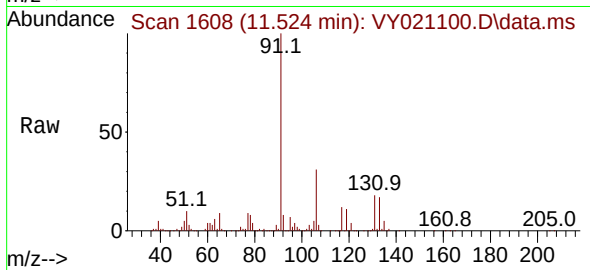




#67  
Ethyl Benzene  
Concen: 48.801 ug/l  
RT: 11.524 min Scan# 1608  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

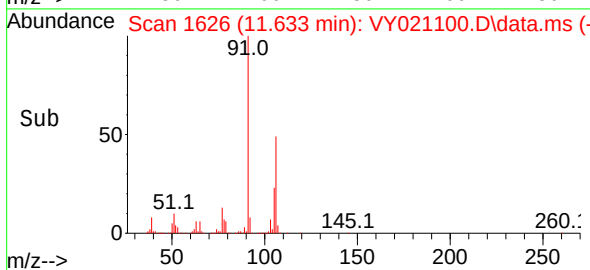
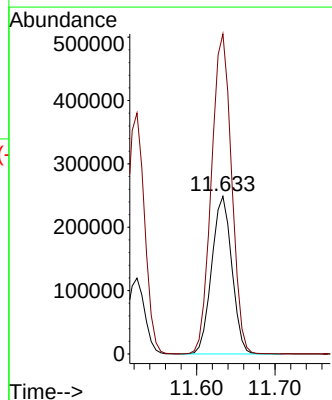
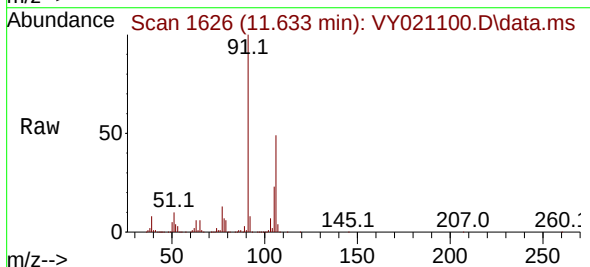
Instrument :  
MSVOA\_Y  
ClientSampleId :

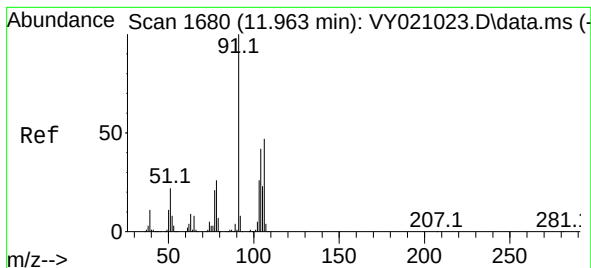
Tgt Ion: 91 Resp: 589890  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.0 37.4



#68  
m/p-Xylenes  
Concen: 98.007 ug/l  
RT: 11.633 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion:106 Resp: 443184  
Ion Ratio Lower Upper  
106 100  
91 203.8 160.7 241.1





#69

o-Xylene

Concen: 50.520 ug/l

RT: 11.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

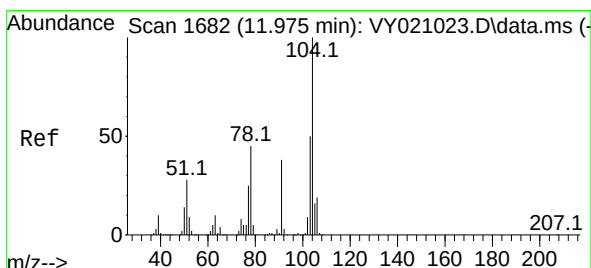
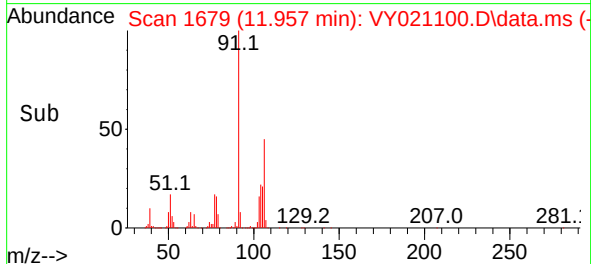
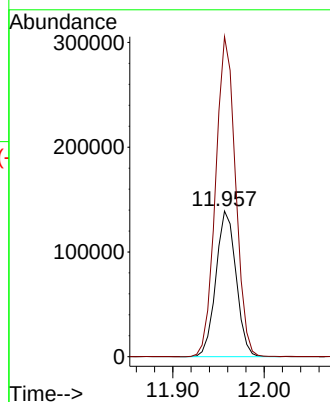
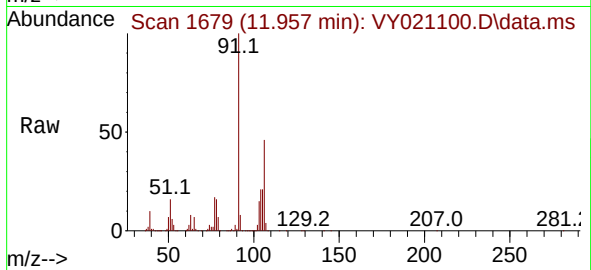
ClientSampleId :

Tgt Ion:106 Resp: 212990

Ion Ratio Lower Upper

106 100

91 217.1 106.5 319.5



#70

Styrene

Concen: 51.673 ug/l

RT: 11.975 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

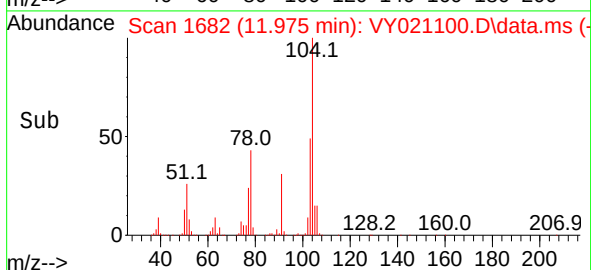
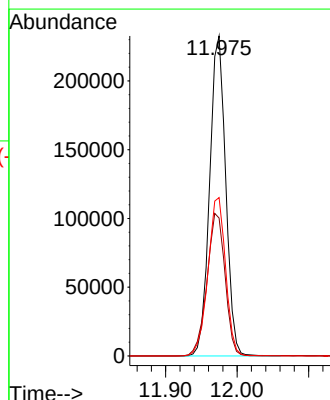
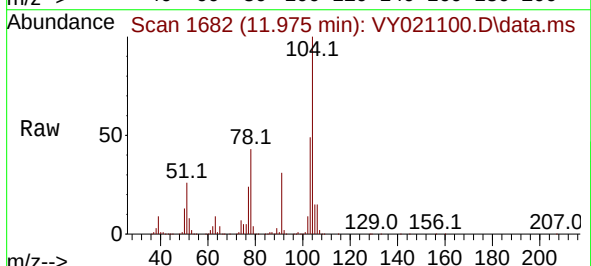
Tgt Ion:104 Resp: 363091

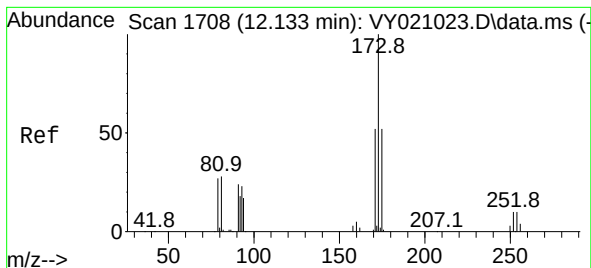
Ion Ratio Lower Upper

104 100

78 50.2 39.2 58.8

103 54.4 43.8 65.6





#71

Bromoform

Concen: 53.042 ug/l

RT: 12.133 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

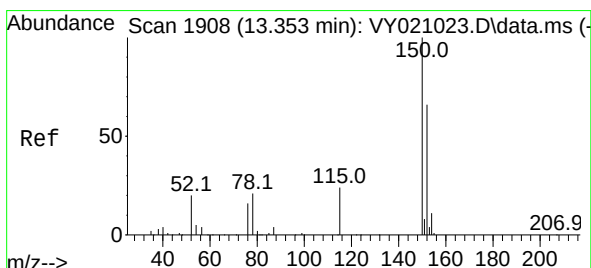
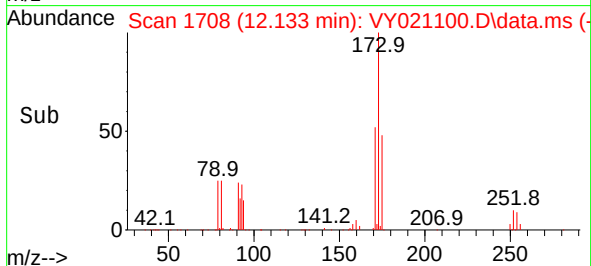
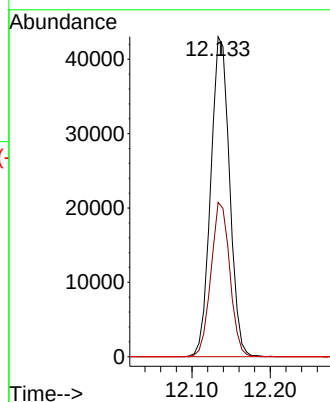
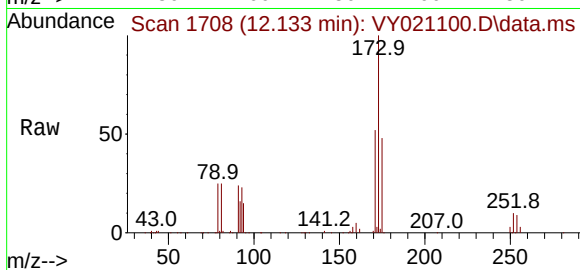
Tgt Ion:173 Resp: 71703

Ion Ratio Lower Upper

173 100

175 48.3 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

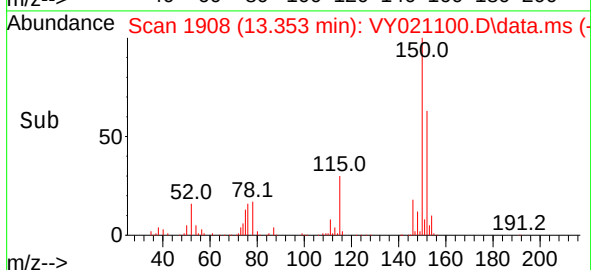
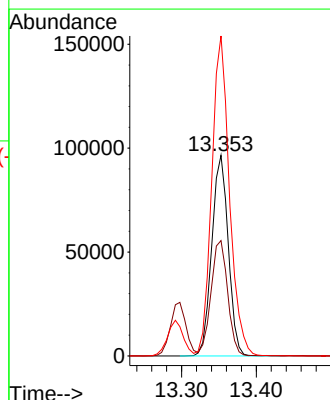
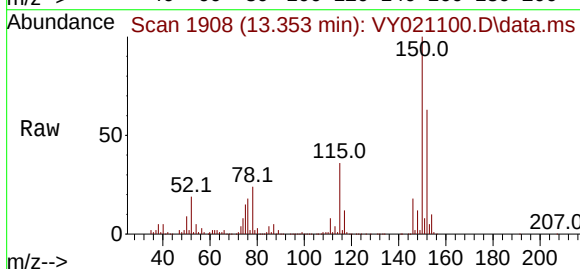
Tgt Ion:152 Resp: 148320

Ion Ratio Lower Upper

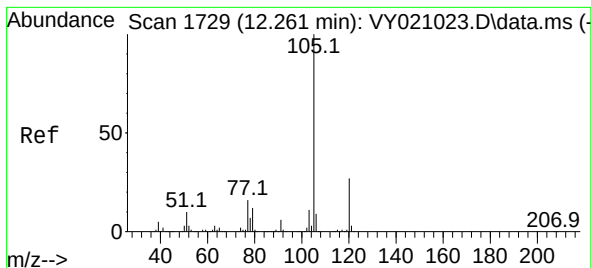
152 100

115 57.7 30.0 90.0

150 171.1 0.0 344.6







#73

Isopropylbenzene

Concen: 48.198 ug/l

RT: 12.261 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

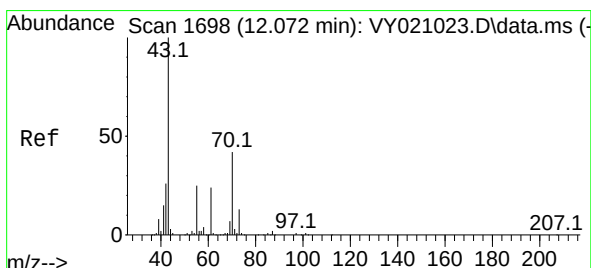
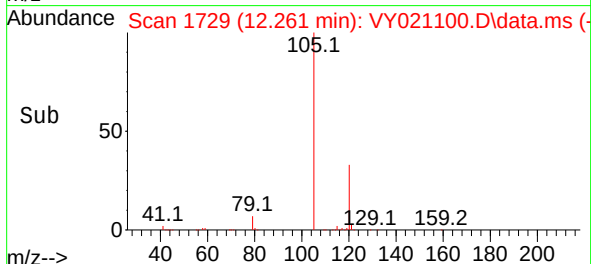
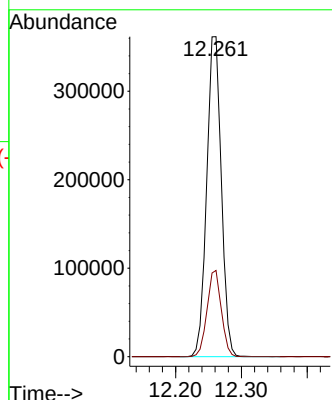
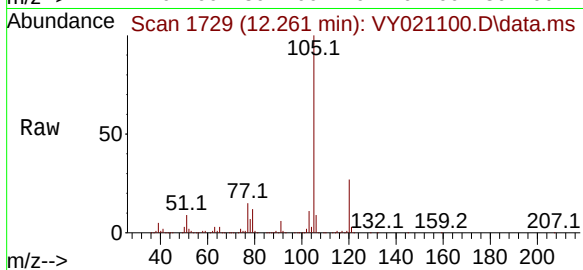
ClientSampleId :

Tgt Ion:105 Resp: 558411

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 54.857 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Tgt Ion: 43 Resp: 138954

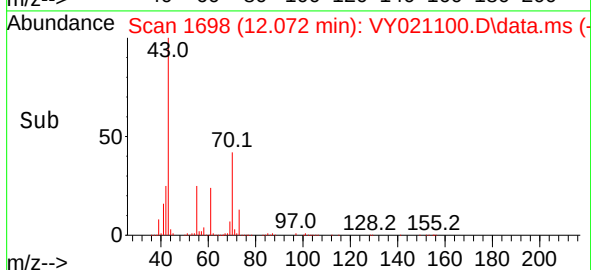
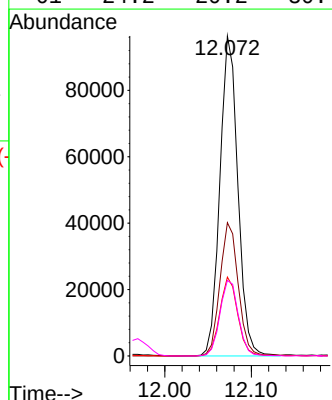
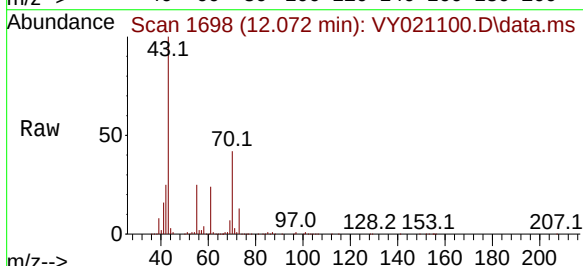
Ion Ratio Lower Upper

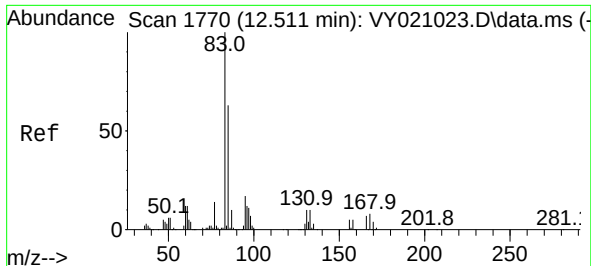
43 100

70 42.5 36.6 55.0

55 24.9 22.2 33.4

61 24.2 20.2 30.4

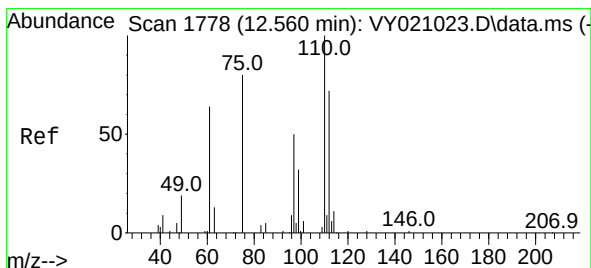
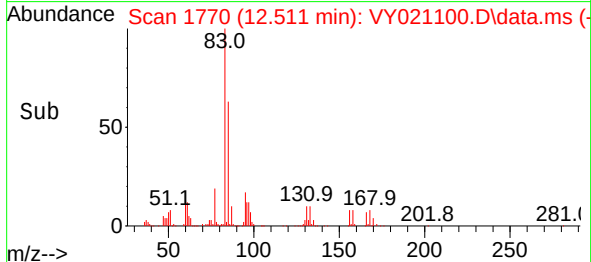
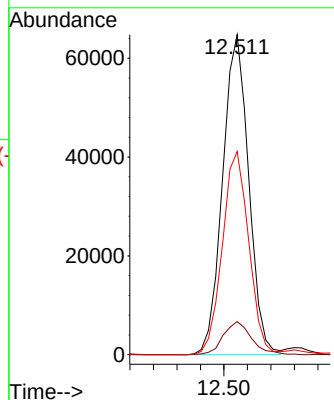
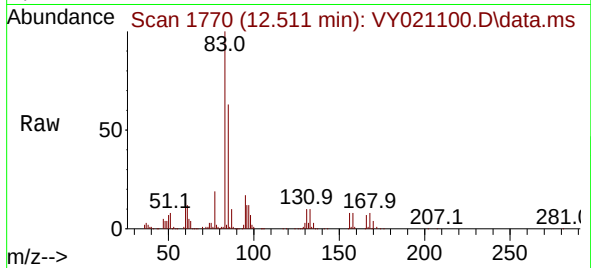




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.792 ug/l  
RT: 12.511 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

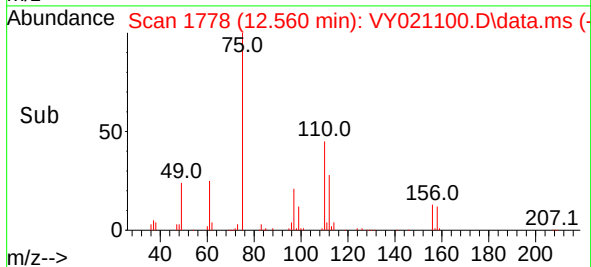
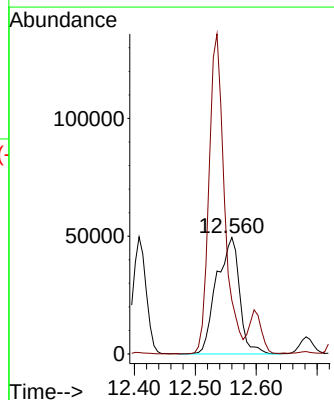
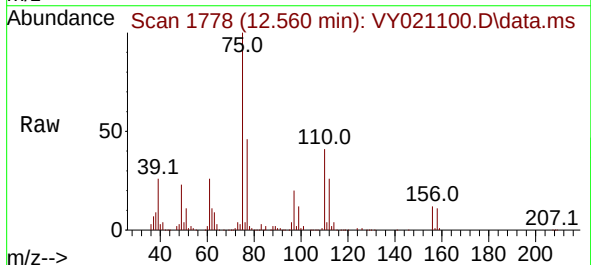
Instrument :  
MSVOA\_Y  
ClientSampleId :

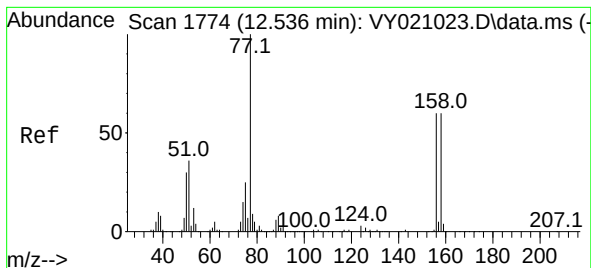
Tgt Ion: 83 Resp: 99796  
Ion Ratio Lower Upper  
83 100  
131 11.2 4.9 14.6  
85 64.3 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 96.363 ug/l  
RT: 12.560 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 75 Resp: 129651  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.864 ug/l

RT: 12.536 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

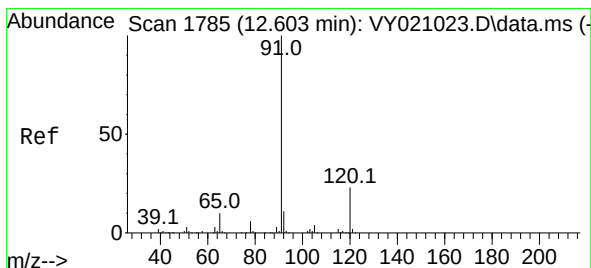
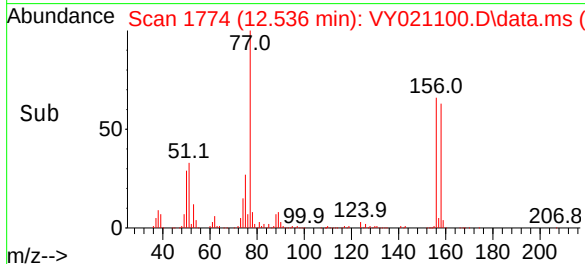
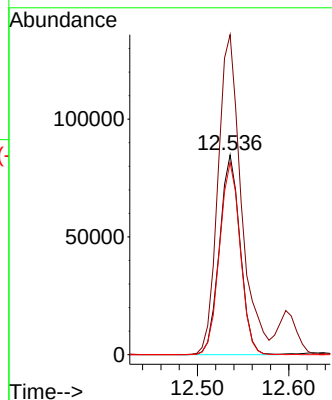
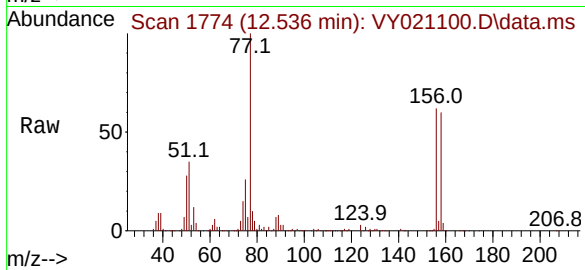
Tgt Ion:156 Resp: 133319

Ion Ratio Lower Upper

156 100

77 180.2 97.3 291.8

158 96.4 48.4 145.0



#78

n-propylbenzene

Concen: 47.034 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY021100.D

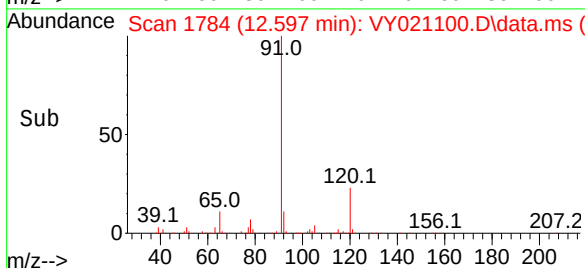
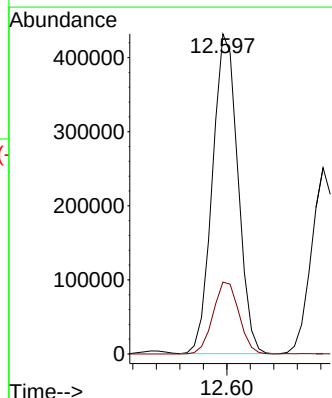
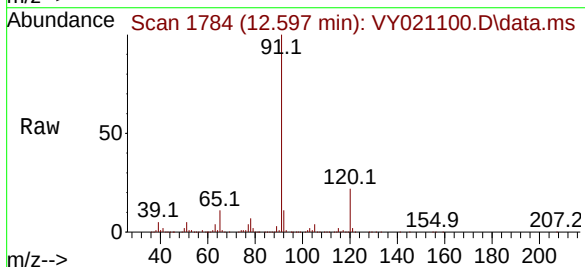
Acq: 05 Feb 2025 19:40

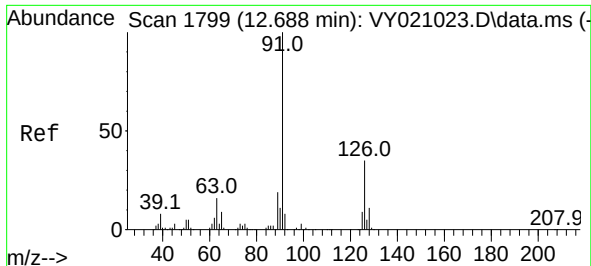
Tgt Ion: 91 Resp: 649136

Ion Ratio Lower Upper

91 100

120 22.9 11.0 33.0





#79

2-Chlorotoluene

Concen: 48.276 ug/l

RT: 12.682 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

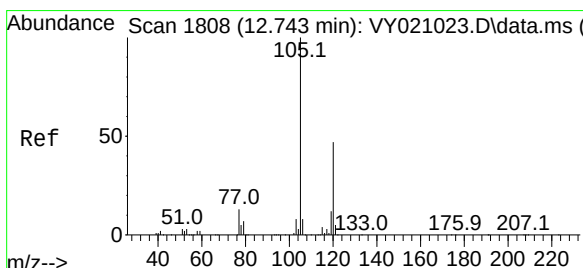
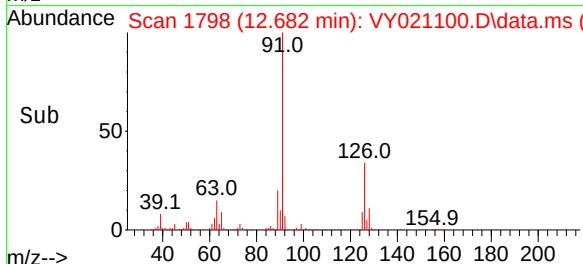
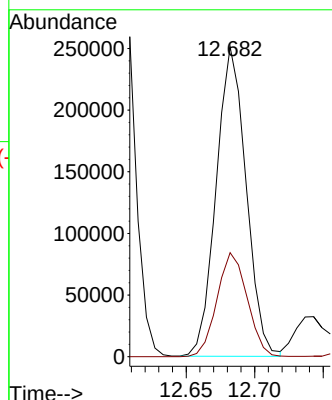
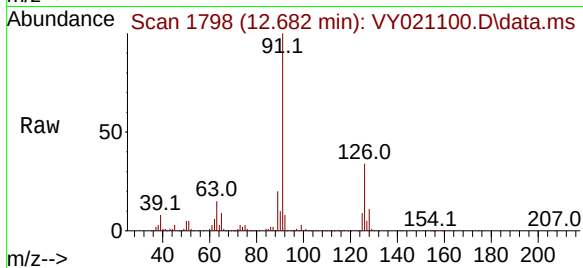
ClientSampleId :

Tgt Ion: 91 Resp: 381612

Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 48.237 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VY021100.D

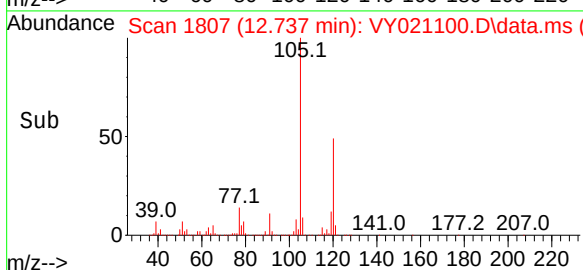
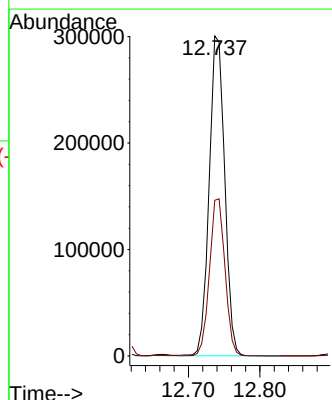
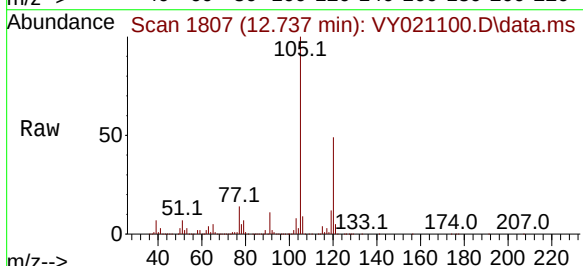
Acq: 05 Feb 2025 19:40

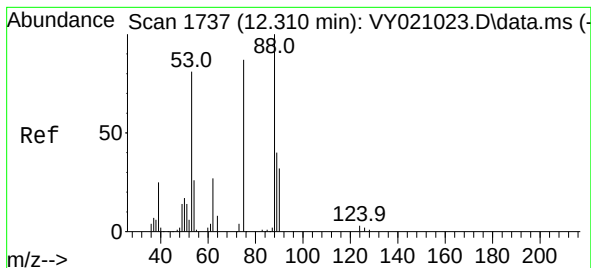
Tgt Ion:105 Resp: 453111

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8

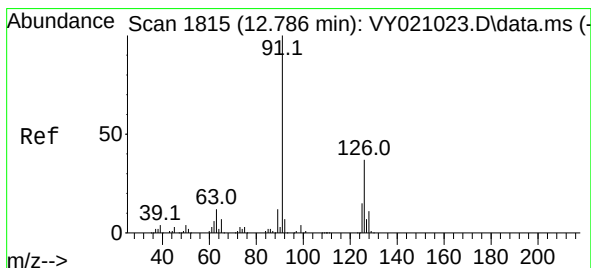
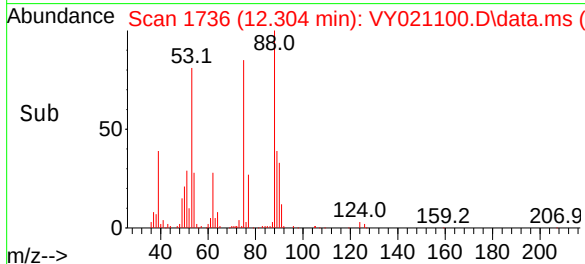
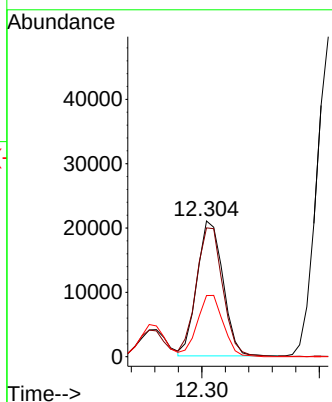
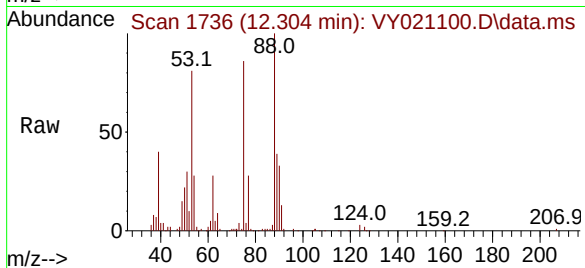




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.685 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

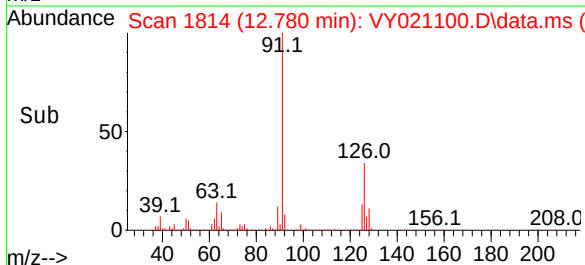
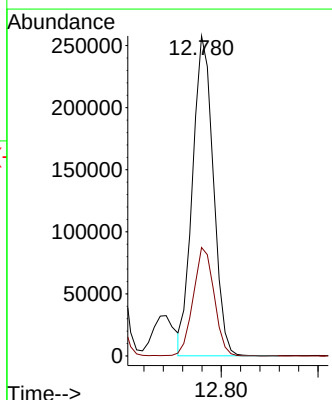
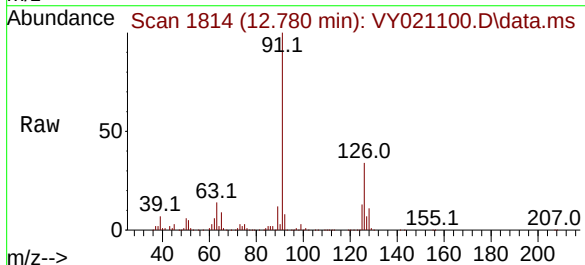
Instrument :  
MSVOA\_Y  
ClientSampleId :

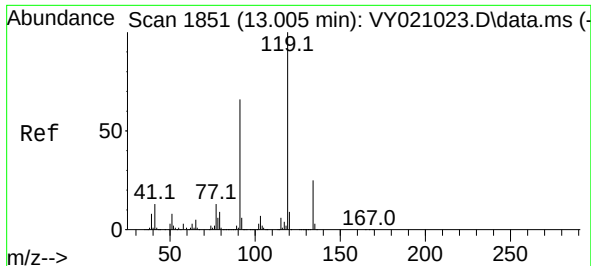
Tgt Ion: 75 Resp: 32102  
Ion Ratio Lower Upper  
75 100  
53 99.0 74.0 111.0  
89 45.7 36.5 54.7



#82  
4-Chlorotoluene  
Concen: 47.738 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. -0.006 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion: 91 Resp: 384471  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 46.918 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.006 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

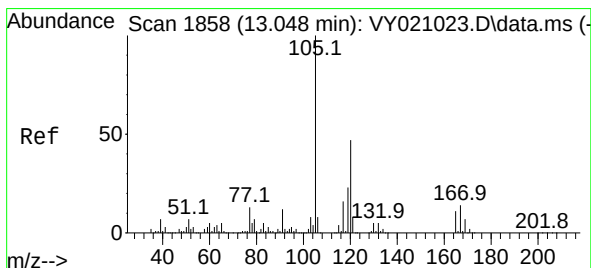
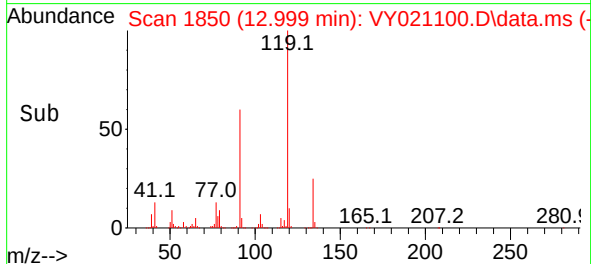
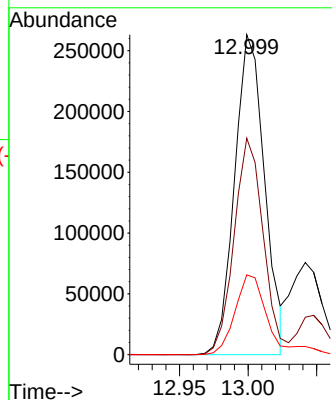
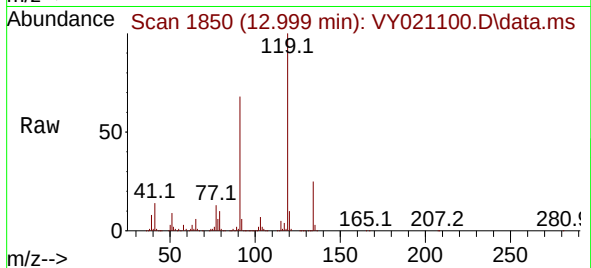
Tgt Ion:119 Resp: 400599

Ion Ratio Lower Upper

119 100

91 66.2 31.5 94.5

134 27.4 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 49.351 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021100.D

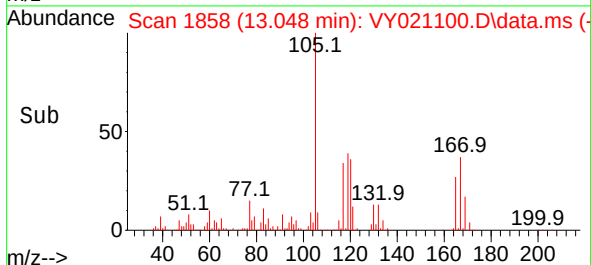
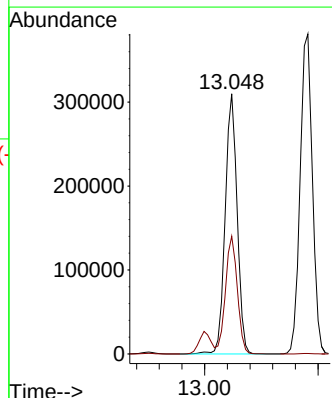
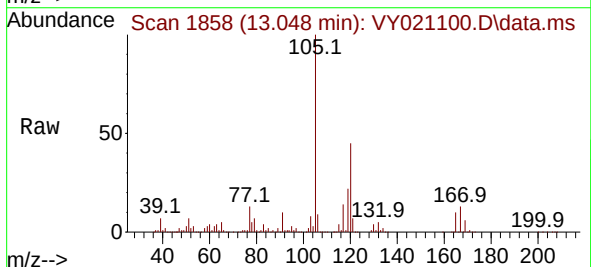
Acq: 05 Feb 2025 19:40

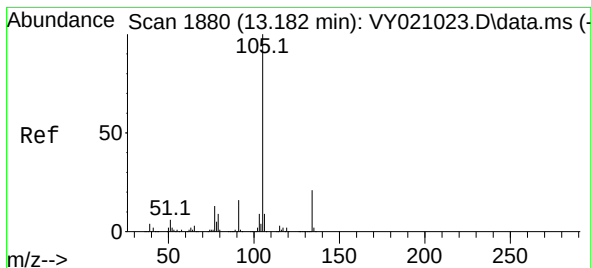
Tgt Ion:105 Resp: 453274

Ion Ratio Lower Upper

105 100

120 45.0 22.1 66.3





#85

sec-Butylbenzene

Concen: 46.426 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

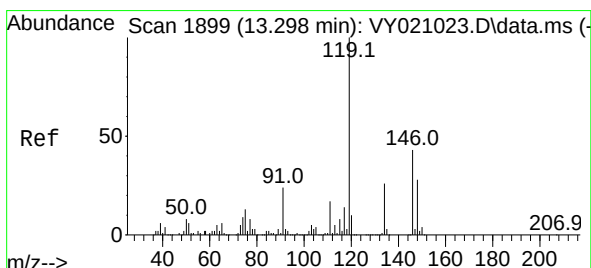
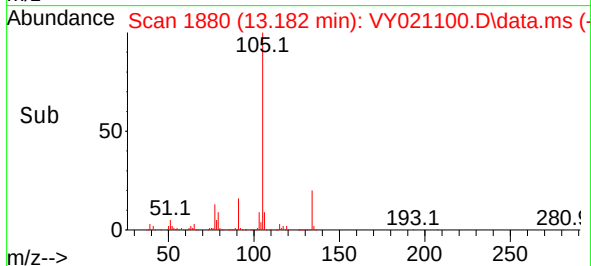
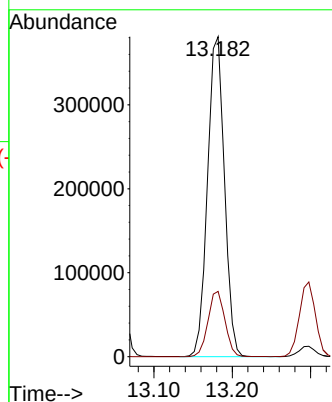
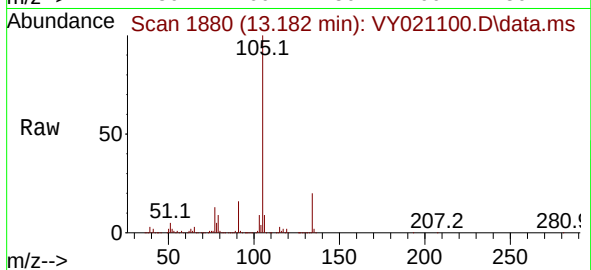
ClientSampleId :

Tgt Ion:105 Resp: 570605

Ion Ratio Lower Upper

105 100

134 20.5 9.7 28.9



#86

p-Isopropyltoluene

Concen: 47.080 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

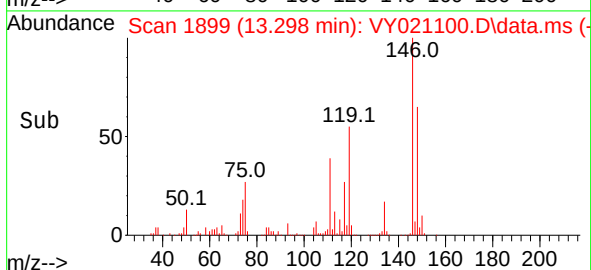
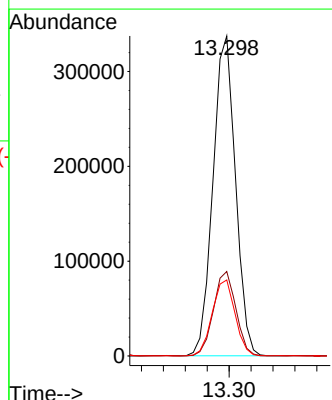
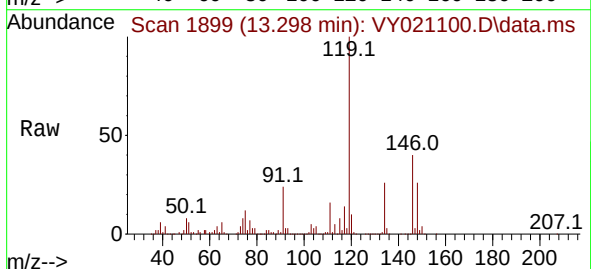
Tgt Ion:119 Resp: 480665

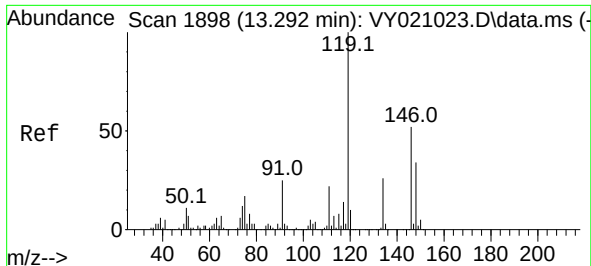
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 24.1 11.7 35.0

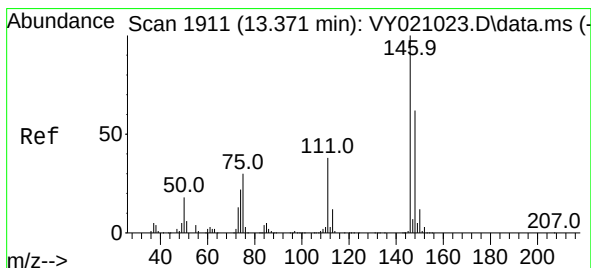
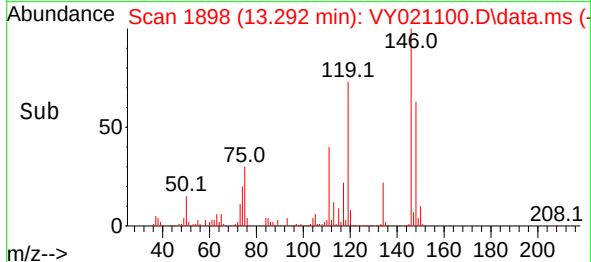
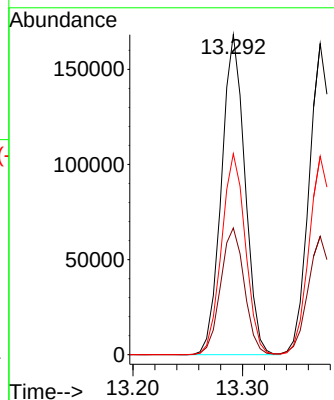
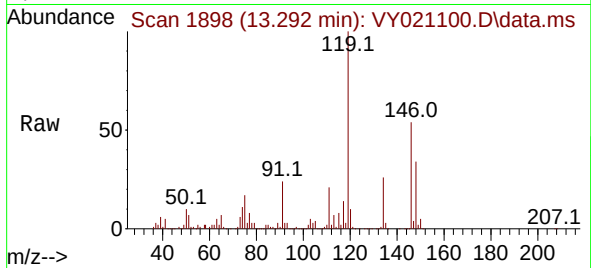




#87  
1,3-Dichlorobenzene  
Concen: 48.421 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

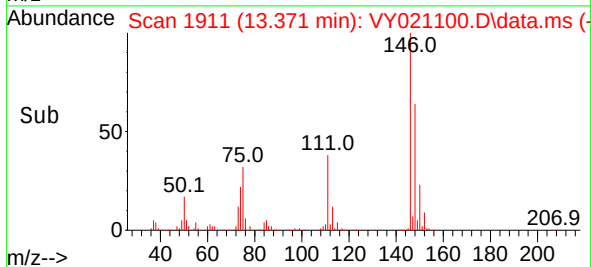
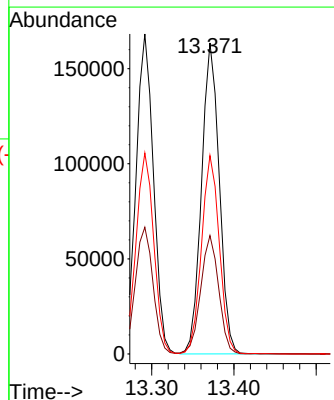
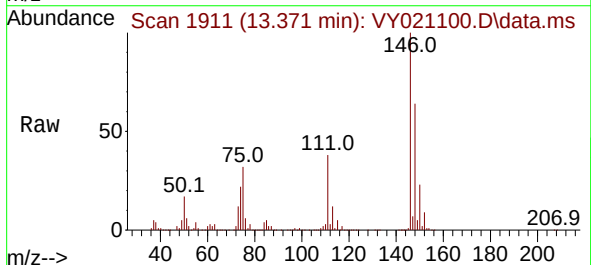
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:146 Resp: 249968  
Ion Ratio Lower Upper  
146 100  
111 40.1 20.2 60.5  
148 63.8 31.9 95.9

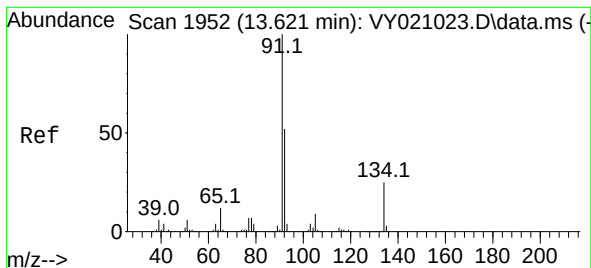


#88  
1,4-Dichlorobenzene  
Concen: 48.235 ug/l  
RT: 13.371 min Scan# 1911  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion:146 Resp: 245176  
Ion Ratio Lower Upper  
146 100  
111 38.6 19.3 57.9  
148 63.9 31.6 94.7







#89

n-Butylbenzene

Concen: 46.790 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

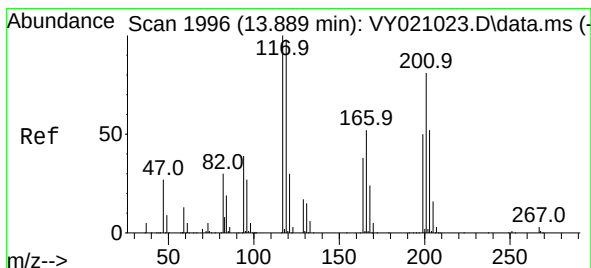
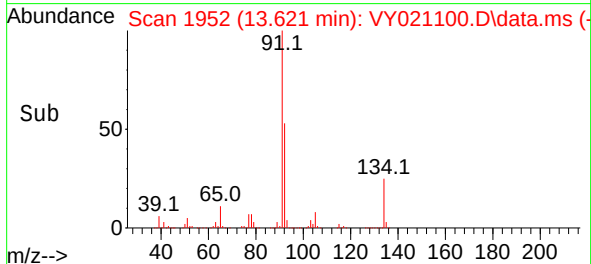
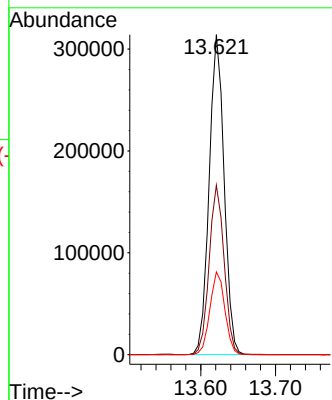
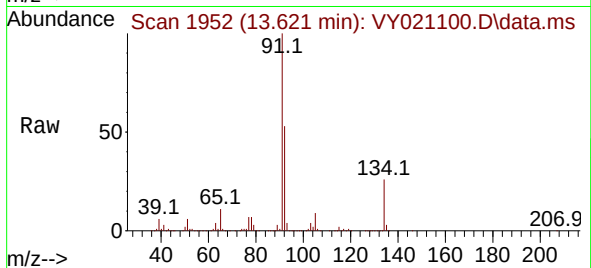
Tgt Ion: 91 Resp: 435798

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.2

134 26.0 12.3 36.8



#90

Hexachloroethane

Concen: 46.402 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VY021100.D

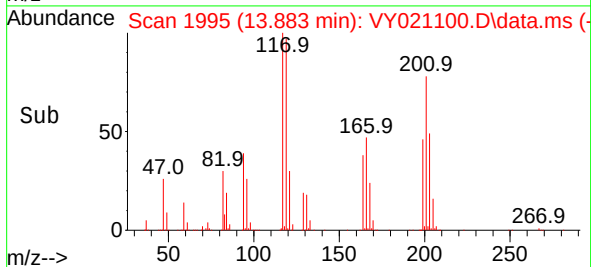
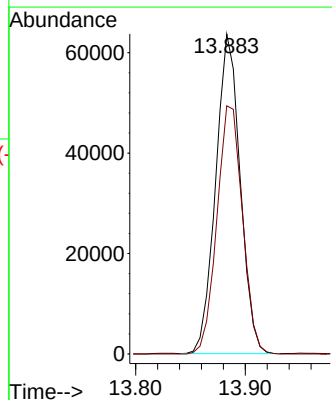
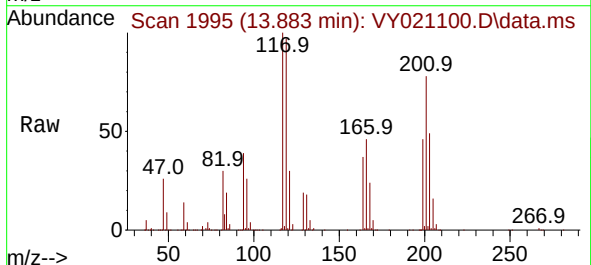
Acq: 05 Feb 2025 19:40

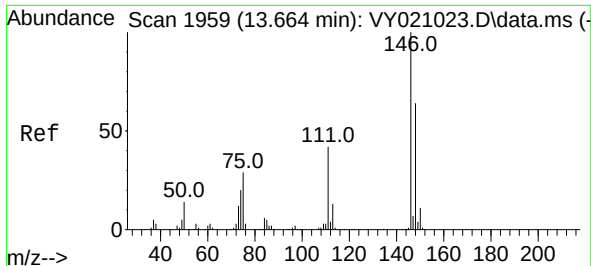
Tgt Ion: 117 Resp: 98830

Ion Ratio Lower Upper

117 100

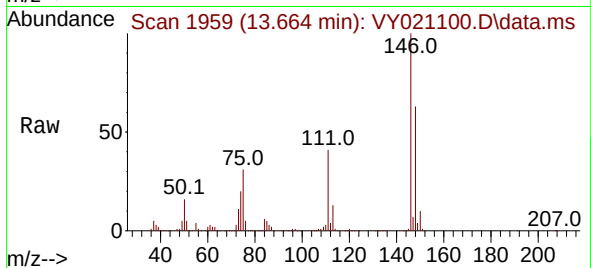
201 81.0 33.4 100.1



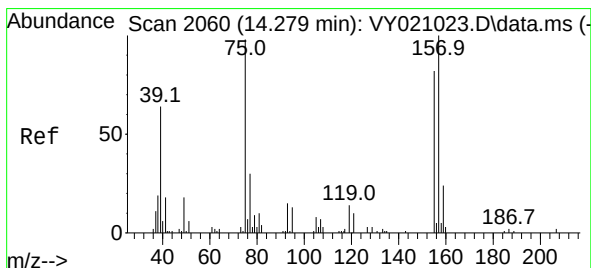
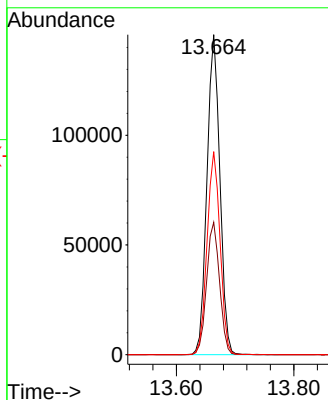
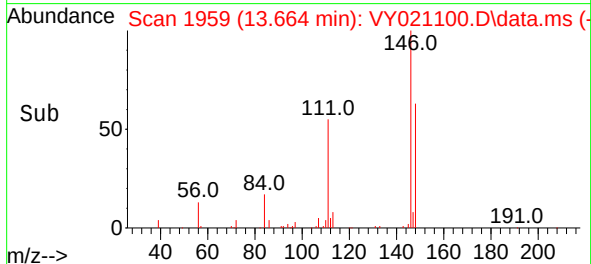


#91  
1,2-Dichlorobenzene  
Concen: 49.718 ug/l  
RT: 13.664 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

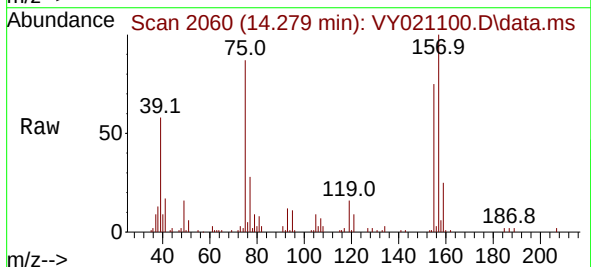
Instrument :  
MSVOA\_Y  
ClientSampleId :



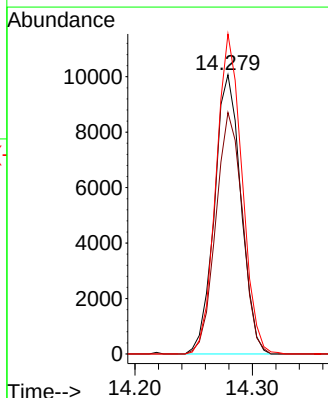
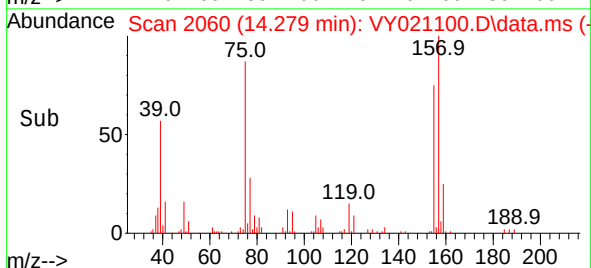
Tgt Ion:146 Resp: 222774  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.5 61.6  
148 63.7 31.4 94.3

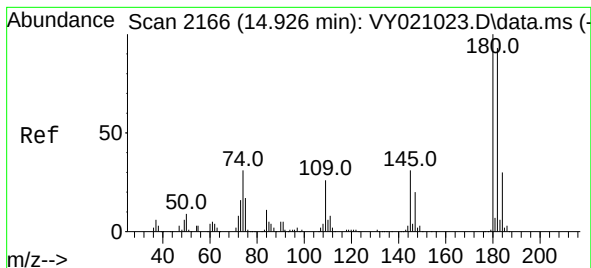


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 54.879 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40



Tgt Ion: 75 Resp: 15802  
Ion Ratio Lower Upper  
75 100  
155 86.7 42.1 126.3  
157 112.0 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 53.622 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

Instrument :

MSVOA\_Y

ClientSampleId :

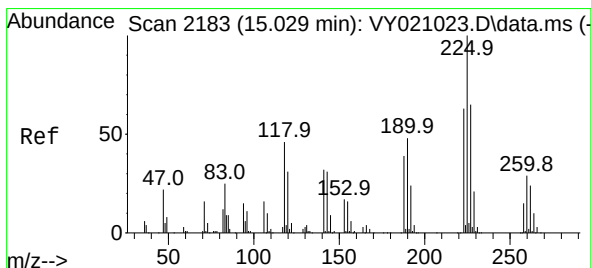
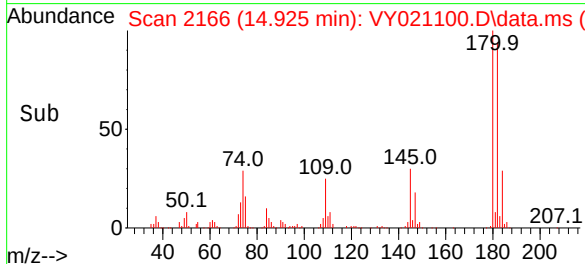
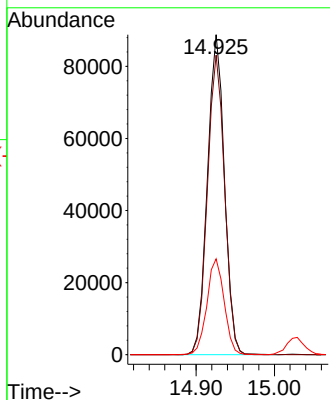
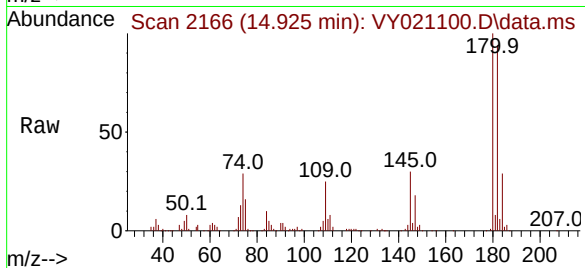
Tgt Ion:180 Resp: 133738

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.7

145 30.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 47.914 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY021100.D

Acq: 05 Feb 2025 19:40

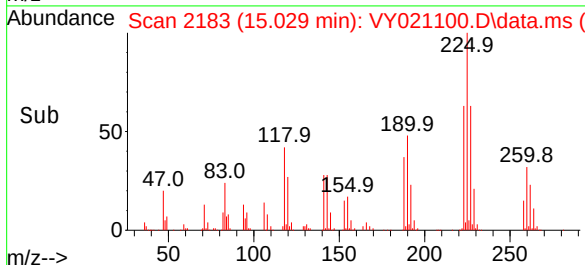
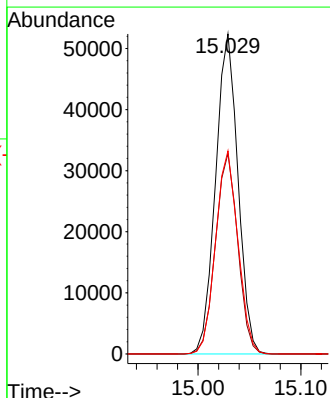
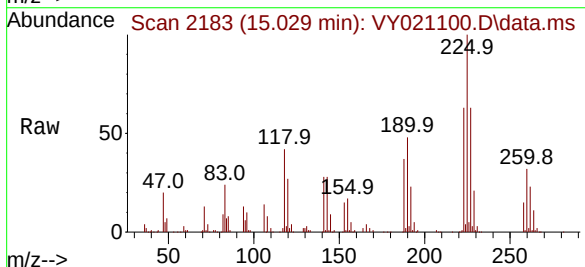
Tgt Ion:225 Resp: 79191

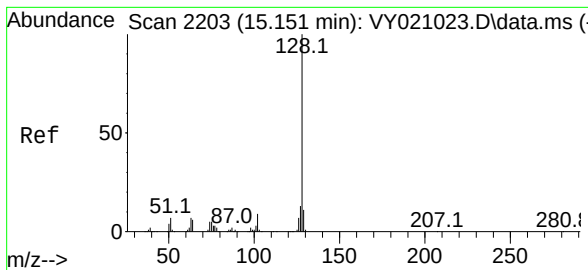
Ion Ratio Lower Upper

225 100

223 62.2 31.4 94.3

227 63.5 32.3 96.8

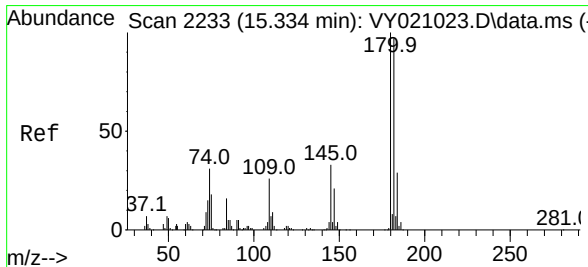
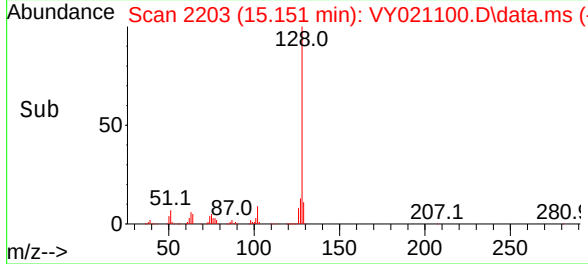
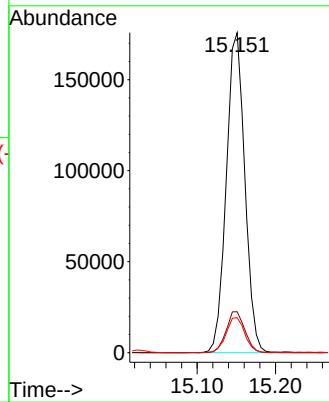
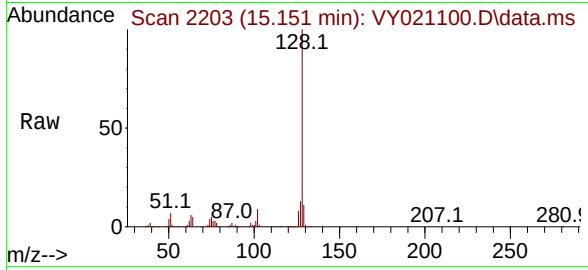




#95  
Naphthalene  
Concen: 72.370 ug/l  
RT: 15.151 min Scan# 2203  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 288773  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.4  
129 11.2 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 55.499 ug/l  
RT: 15.334 min Scan# 2233  
Delta R.T. -0.000 min  
Lab File: VY021100.D  
Acq: 05 Feb 2025 19:40

Tgt Ion:180 Resp: 115192  
Ion Ratio Lower Upper  
180 100  
182 96.4 46.3 138.8  
145 33.1 16.1 48.2

