

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071825\  
 Data File : VY022990.D  
 Acq On : 18 Jul 2025 10:08  
 Operator : SY/MD  
 Sample : VSTDIC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Quant Time: Jul 19 04:05:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 19 01:50:49 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 535707   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 862980   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 692947   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 302335   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 25286    | 4.663    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 9.320%#  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 26103    | 4.768    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 9.540%#  |
| 50) Toluene-d8              | 10.103 | 98    | 103295   | 4.758    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 9.520%#  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 35295    | 5.165    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 10.320%# |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 26273  | 5.776  | ug/l   | 97  |
| 3) Chloromethane             | 2.068 | 50  | 42286  | 5.467  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.202 | 62  | 50232  | 5.126  | ug/l   | 99  |
| 5) Bromomethane              | 2.598 | 94  | 37924  | 5.362  | ug/l   | 94  |
| 6) Chloroethane              | 2.732 | 64  | 33229  | 5.077  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.055 | 101 | 60508  | 5.319  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.452 | 74  | 15984  | 5.369  | ug/l   | 92  |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 32487  | 5.437  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.013 | 142 | 24927  | 4.016  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.848 | 59  | 7260   | 22.136 | ug/l # | 73  |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 30134  | 5.294  | ug/l   | 91  |
| 13) Acrolein                 | 3.647 | 56  | 5246   | 34.039 | ug/l # | 57  |
| 14) Allyl chloride           | 4.378 | 41  | 43390  | 5.003  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.055 | 53  | 28037  | 24.863 | ug/l   | 97  |
| 16) Acetone                  | 3.866 | 43  | 30383  | 30.907 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.104 | 76  | 90620  | 5.253  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.391 | 43  | 13210  | 3.969  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 63167  | 4.626  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.616 | 84  | 79161  | 3.739  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.104 | 96  | 31968  | 5.045  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.024 | 45  | 85560  | 4.650  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.957 | 43  | 207469 | 22.380 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 56892  | 4.923  | ug/l   | 97  |
| 25) 2-Butanone               | 6.896 | 43  | 34740  | 24.634 | ug/l   | 90  |
| 26) 2,2-Dichloropropane      | 6.878 | 77  | 52318  | 5.166  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 35196  | 4.820  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.244 | 49  | 21127  | 4.714  | ug/l   | 98  |
| 29) Tetrahydrofuran          | 7.256 | 42  | 19429  | 21.760 | ug/l   | 98  |
| 30) Chloroform               | 7.420 | 83  | 57601  | 4.941  | ug/l   | 96  |
| 31) Cyclohexane              | 7.701 | 56  | 62949  | 5.830  | ug/l # | 81  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 53871  | 5.093  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 43575  | 5.053  | ug/l   | 98  |
| 37) Ethyl Acetate            | 6.988 | 43  | 15073  | 4.707  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 47654  | 5.087  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.109 | 83  | 56680  | 5.079  | ug/l   | 99  |
| 40) Benzene                  | 8.079 | 78  | 128094 | 4.934  | ug/l   | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071825\  
 Data File : VY022990.D  
 Acq On : 18 Jul 2025 10:08  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jul 19 04:05:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 19 01:50:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 6844     | 3.923  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 31142    | 4.821  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 27300    | 4.292  | ug/l # | 85       |
| 44) Trichloroethene           | 8.865  | 130  | 34709    | 5.205  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 30343    | 5.005  | ug/l   | 94       |
| 46) Dibromomethane            | 9.231  | 93   | 15218    | 4.856  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.420  | 83   | 42002    | 4.849  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 12765    | 4.156  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 2816     | 85.247 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 64649    | 20.023 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 74665    | 4.626  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 33067    | 4.447  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 41220    | 4.599  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 19458    | 4.724  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 20183    | 3.925  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 33346    | 4.686  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 46689    | 18.550 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.761 | 43   | 42954    | 20.239 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 24530    | 4.548  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 17039    | 4.555  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.645 | 164  | 38436    | 5.427  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.438 | 112  | 79744    | 4.877  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 27645    | 4.957  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 138078   | 4.764  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.627 | 106  | 104654   | 9.414  | ug/l   | 97       |
| 69) o-Xylene                  | 11.950 | 106  | 46850    | 4.541  | ug/l   | 98       |
| 70) Styrene                   | 11.962 | 104  | 73426    | 4.345  | ug/l   | 99       |
| 71) Bromoform                 | 12.127 | 173  | 12858    | 4.541  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.249 | 105  | 126243   | 4.925  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 20632    | 4.269  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 16857    | 4.544  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 25279    | 6.710  | ug/l # | 100      |
| 77) Bromobenzene              | 12.529 | 156  | 27477    | 4.942  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.590 | 91   | 150755   | 4.939  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 85237    | 4.965  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.730 | 105  | 98096    | 4.852  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 6126     | 4.843  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 85449    | 4.935  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 90600    | 4.961  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 95160    | 4.782  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.169 | 105  | 135535   | 4.953  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 104828   | 4.717  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 56578    | 5.043  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 55584    | 5.121  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.614 | 91   | 99472    | 4.850  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 24435    | 5.310  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 48036    | 5.076  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 2548     | 4.626  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 23607    | 4.732  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 17559    | 5.583  | ug/l   | 98       |
| 95) Naphthalene               | 15.139 | 128  | 31085    | 3.885  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 18973    | 4.606  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071825\  
Data File : VY022990.D  
Acq On : 18 Jul 2025 10:08  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

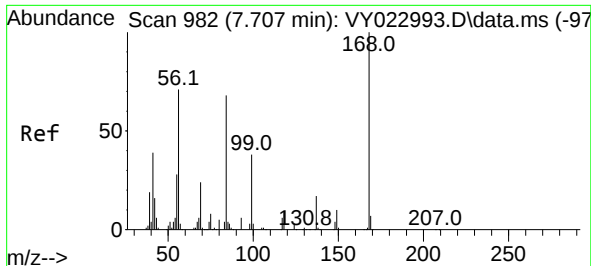
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Quant Time: Jul 19 04:05:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071825S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 19 01:50:49 2025  
Response via : Initial Calibration

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

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

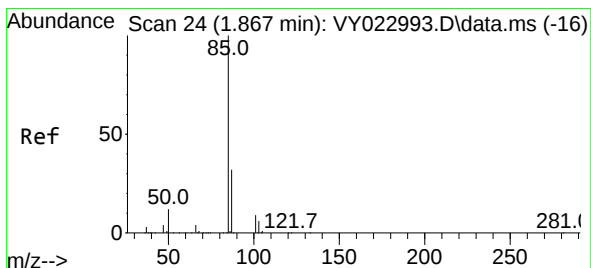
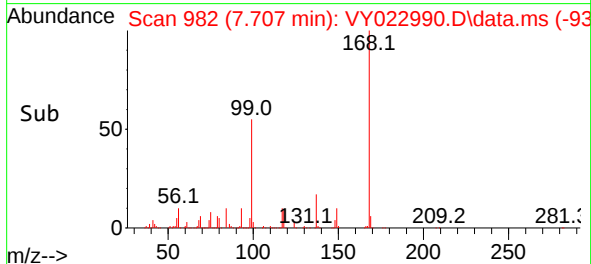
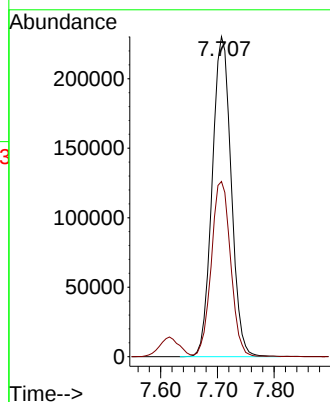
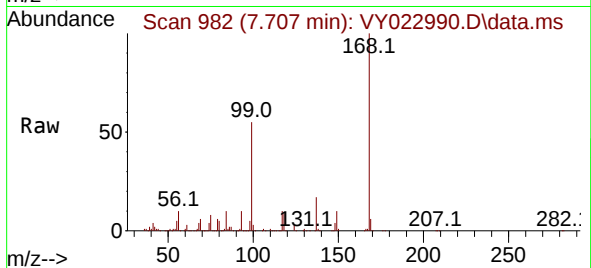




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

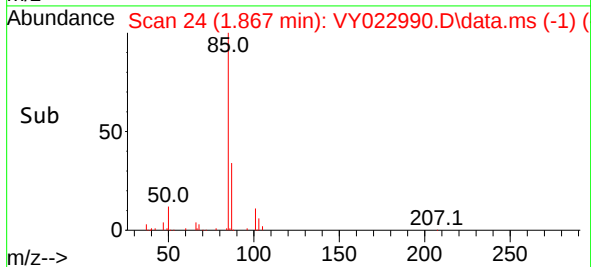
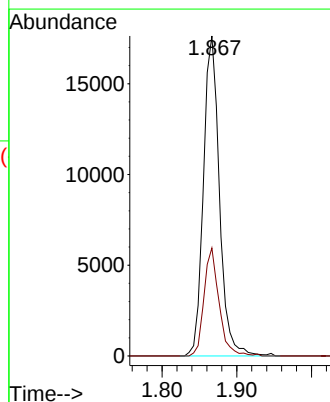
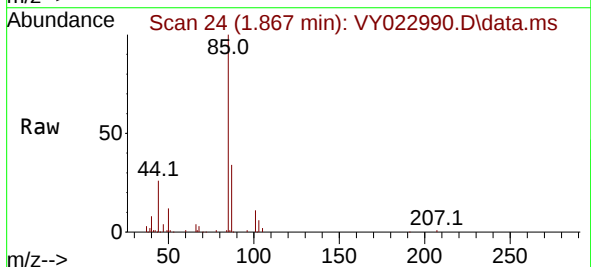
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

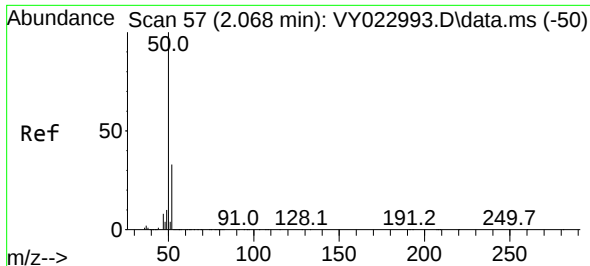
Tgt Ion:168 Resp: 535707  
Ion Ratio Lower Upper  
168 100  
99 54.7 44.4 66.6



#2  
Dichlorodifluoromethane  
Concen: 5.776 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 85 Resp: 26273  
Ion Ratio Lower Upper  
85 100  
87 33.8 16.0 47.9

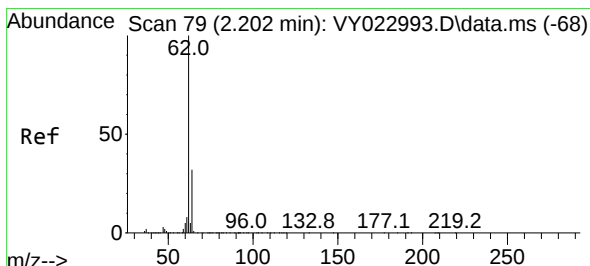
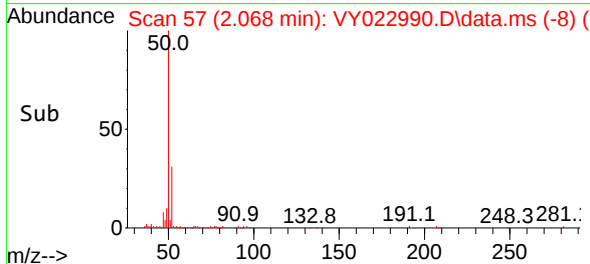
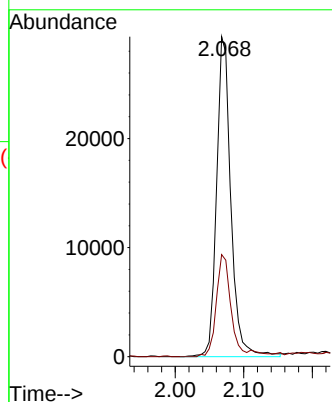
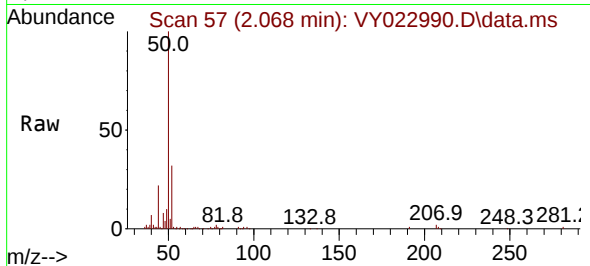




#3  
Chloromethane  
Concen: 5.467 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

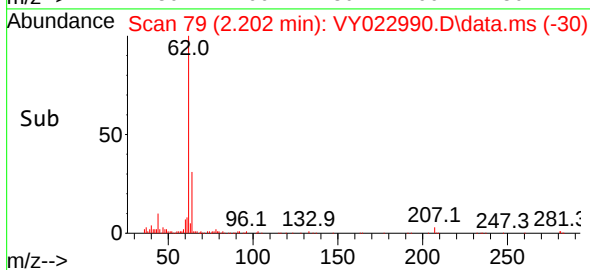
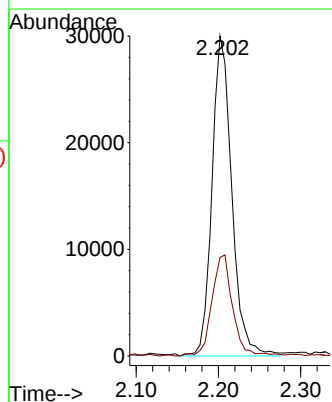
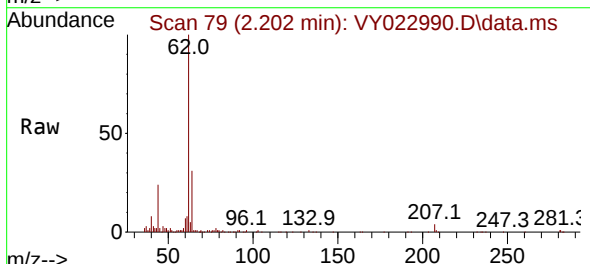
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

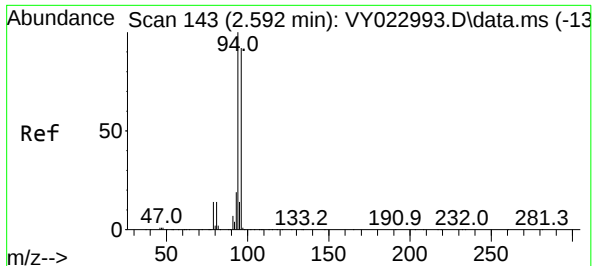
Tgt Ion: 50 Resp: 42286  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.6 39.8



#4  
Vinyl Chloride  
Concen: 5.126 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 62 Resp: 50232  
Ion Ratio Lower Upper  
62 100  
64 30.8 25.2 37.8

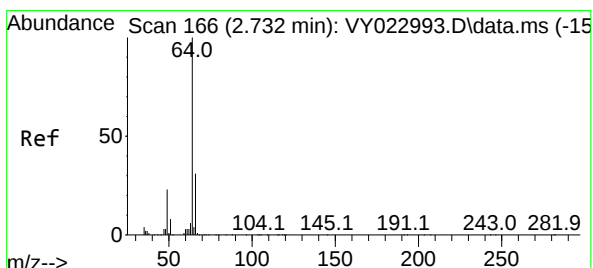
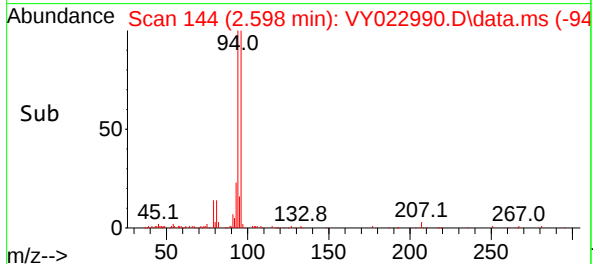
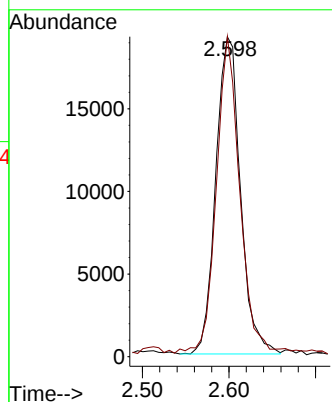
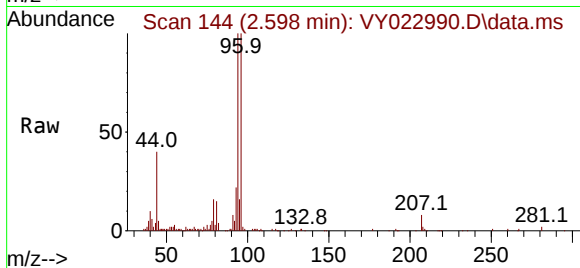




#5  
Bromomethane  
Concen: 5.362 ug/l  
RT: 2.598 min Scan# 143  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

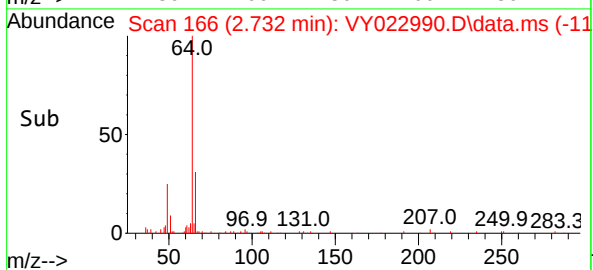
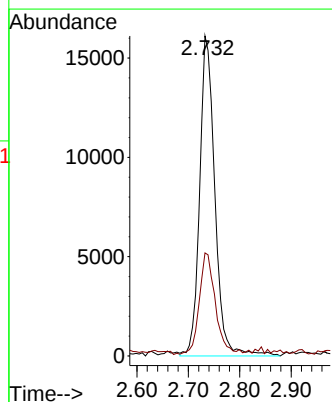
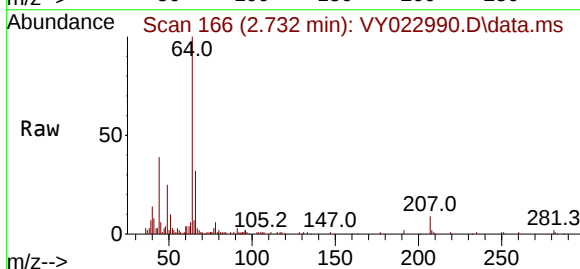
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

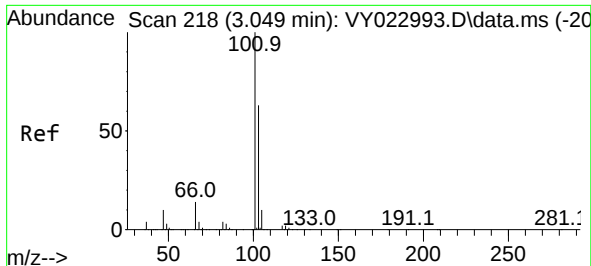
Tgt Ion: 94 Resp: 37924  
Ion Ratio Lower Upper  
94 100  
96 98.5 73.9 110.9



#6  
Chloroethane  
Concen: 5.077 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 64 Resp: 33229  
Ion Ratio Lower Upper  
64 100  
66 31.6 24.9 37.3

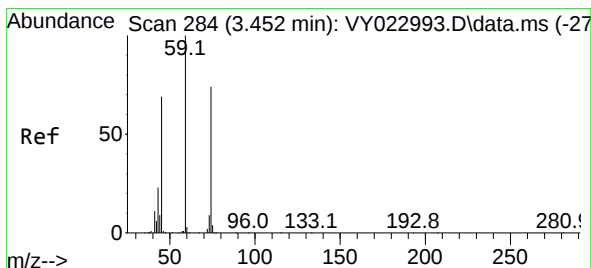
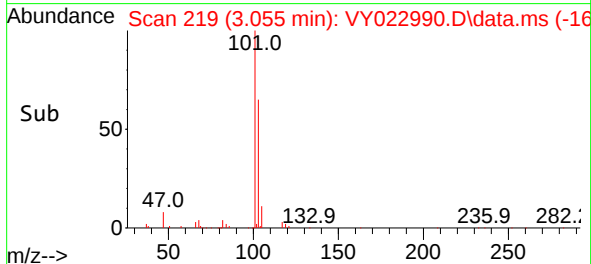
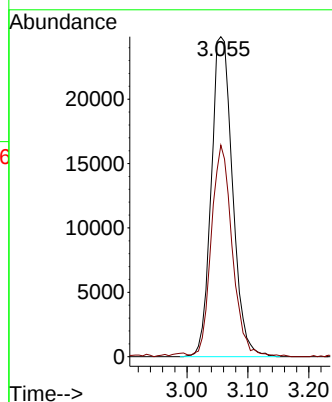
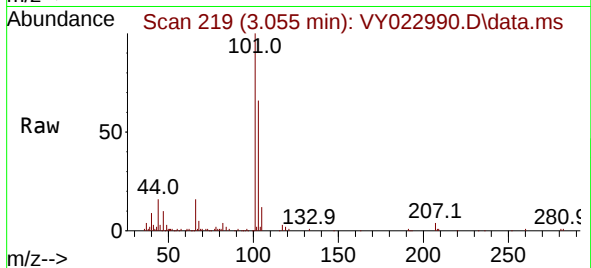




#7  
Trichlorofluoromethane  
Concen: 5.319 ug/l  
RT: 3.055 min Scan# 218  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

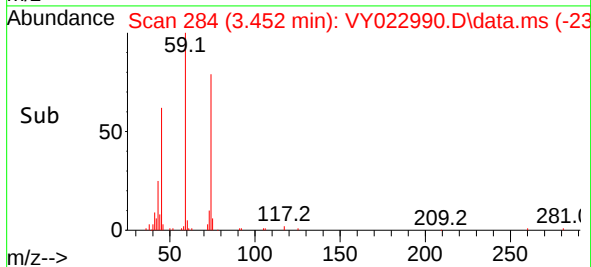
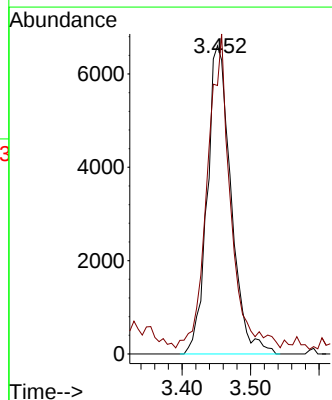
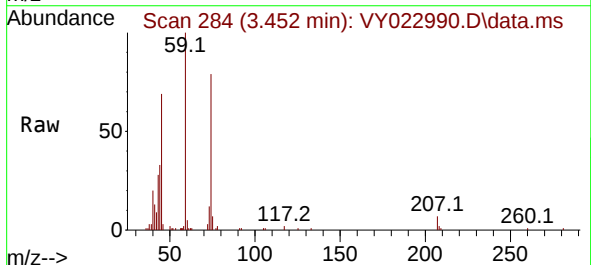
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

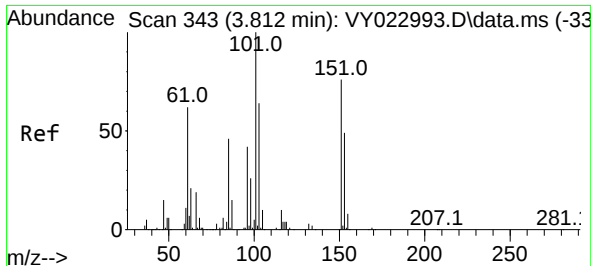
Tgt Ion:101 Resp: 60508  
Ion Ratio Lower Upper  
101 100  
103 65.8 50.7 76.1



#8  
Diethyl Ether  
Concen: 5.369 ug/l  
RT: 3.452 min Scan# 284  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 74 Resp: 15984  
Ion Ratio Lower Upper  
74 100  
45 97.9 45.1 135.2

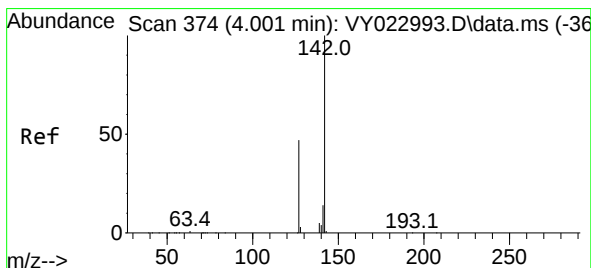
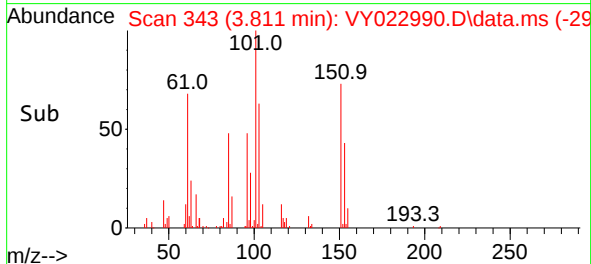
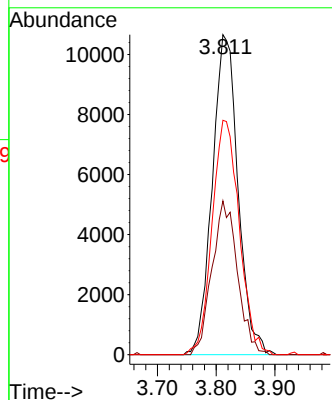
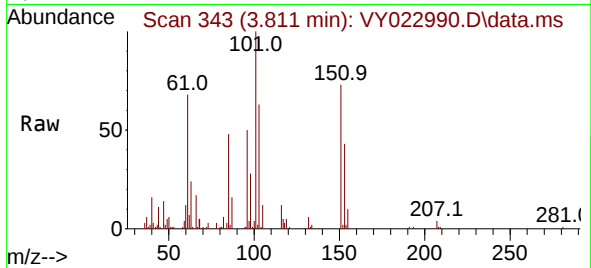




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.437 ug/l  
RT: 3.811 min Scan# 343  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

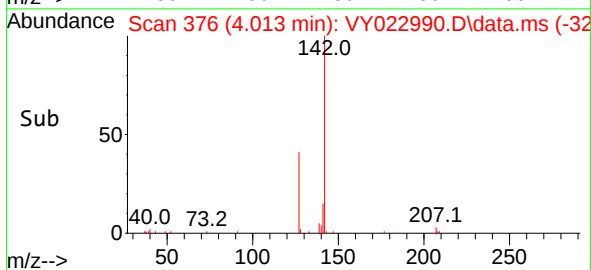
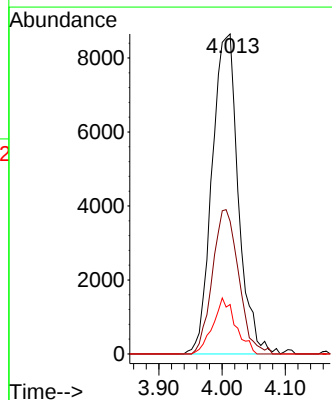
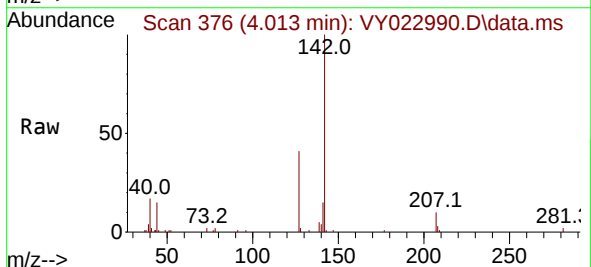
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

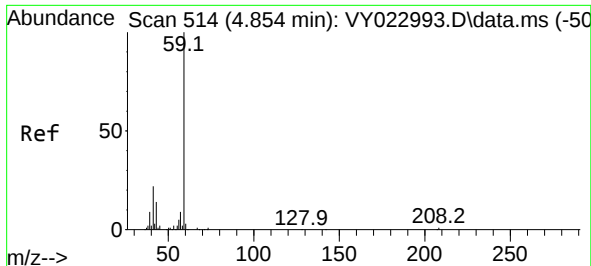
Tgt Ion:101 Resp: 32487  
Ion Ratio Lower Upper  
101 100  
85 47.6 37.2 55.8  
151 77.2 59.7 89.5



#10  
Methyl Iodide  
Concen: 4.016 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. 0.012 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion:142 Resp: 24927  
Ion Ratio Lower Upper  
142 100  
127 45.1 37.0 55.6  
141 15.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 22.136 ug/l

RT: 4.848 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

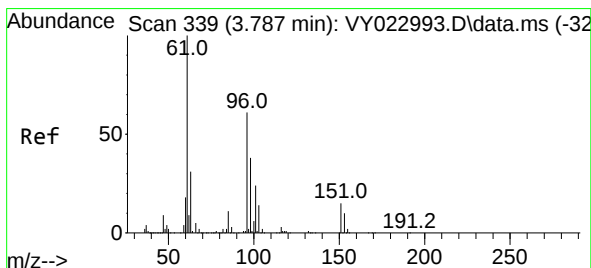
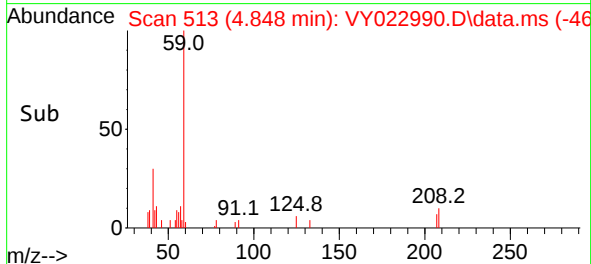
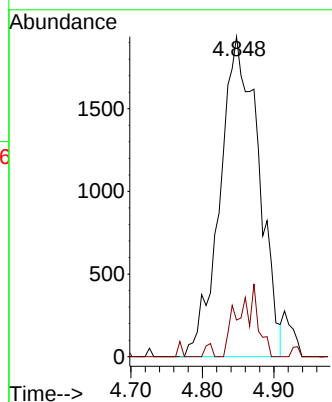
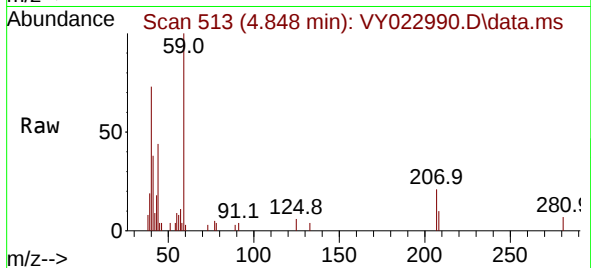
VSTDICC005

Tgt Ion: 59 Resp: 7260

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 5.294 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

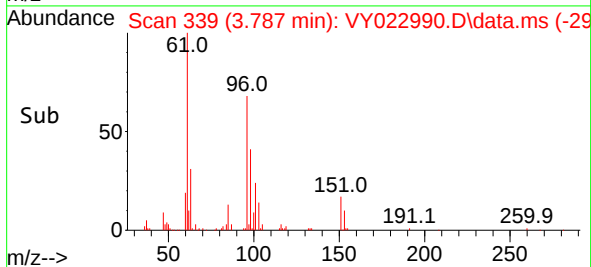
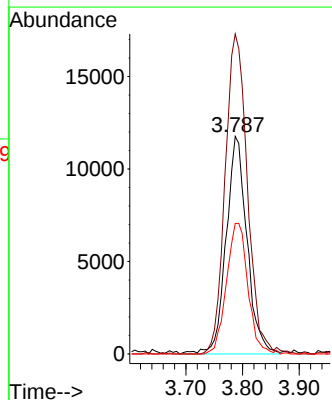
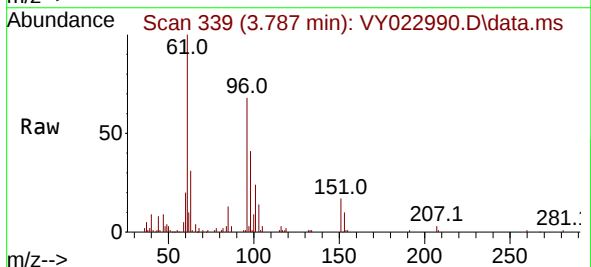
Tgt Ion: 96 Resp: 30134

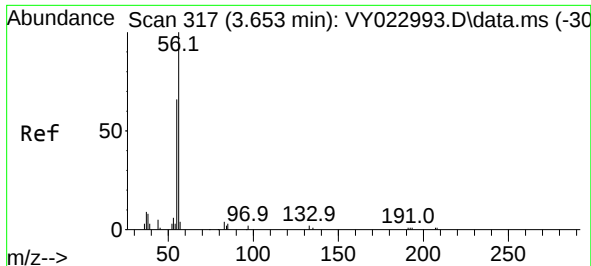
Ion Ratio Lower Upper

96 100

61 147.1 130.4 195.6

98 60.0 49.6 74.4





#13

Acrolein

Concen: 34.039 ug/l

RT: 3.647 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

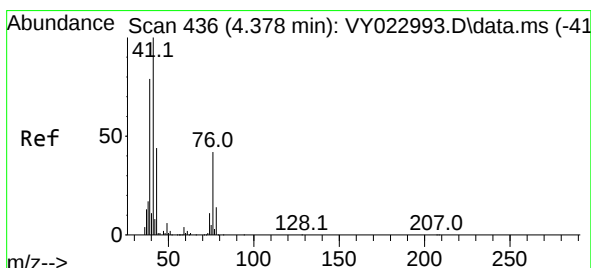
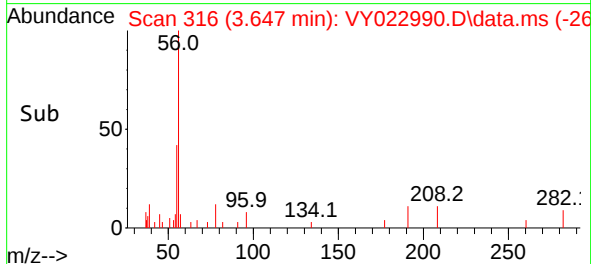
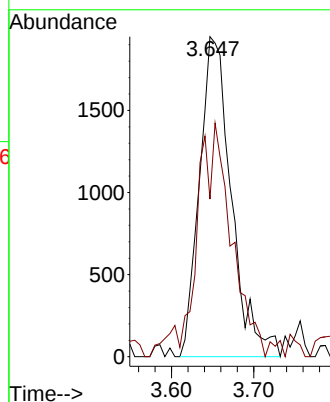
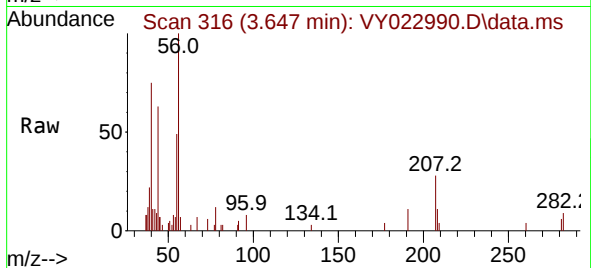
VSTDICC005

Tgt Ion: 56 Resp: 5246

Ion Ratio Lower Upper

56 100

55 36.0 57.8 86.6#



#14

Allyl chloride

Concen: 5.003 ug/l

RT: 4.378 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

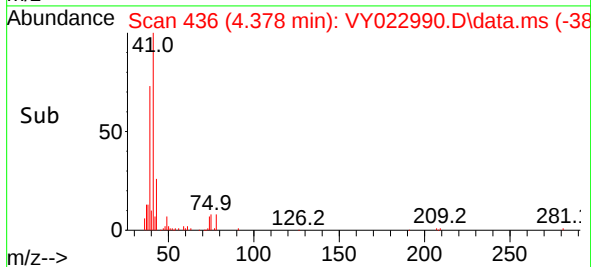
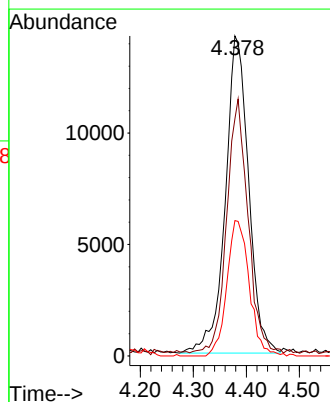
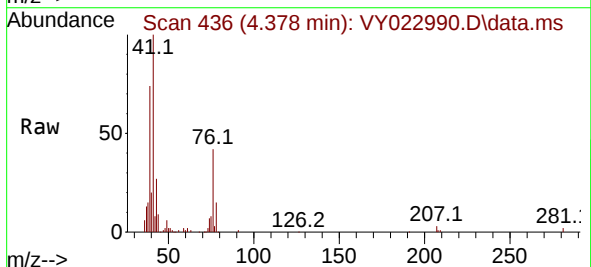
Tgt Ion: 41 Resp: 43390

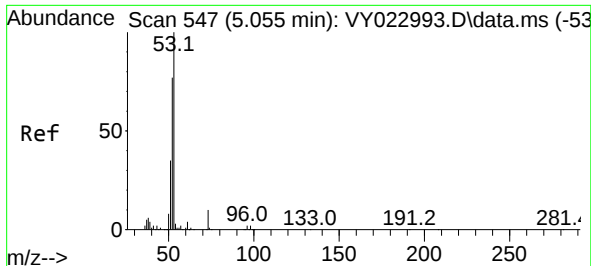
Ion Ratio Lower Upper

41 100

39 73.3 60.1 90.1

76 41.1 32.2 48.4

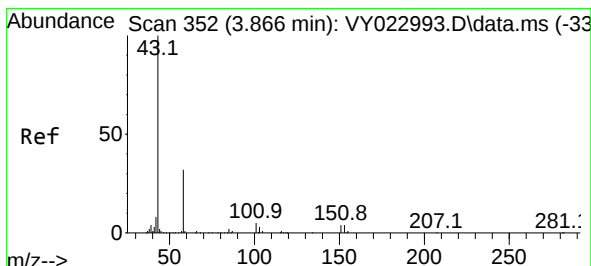
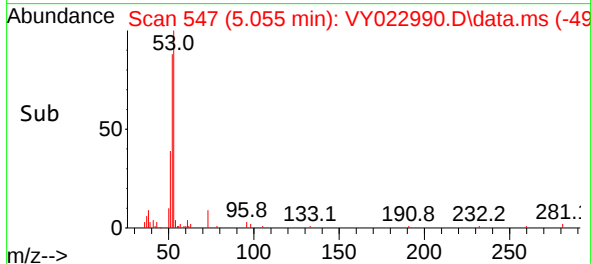
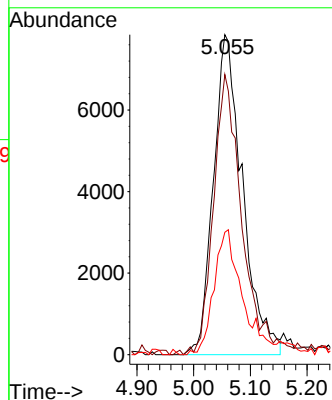
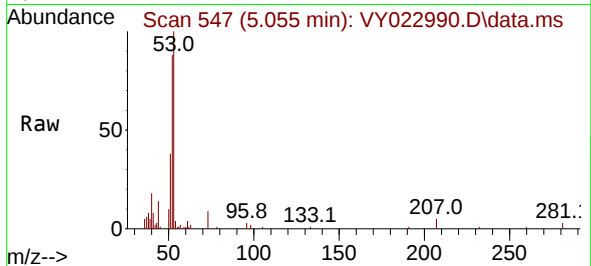




#15  
Acrylonitrile  
Concen: 24.863 ug/l  
RT: 5.055 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

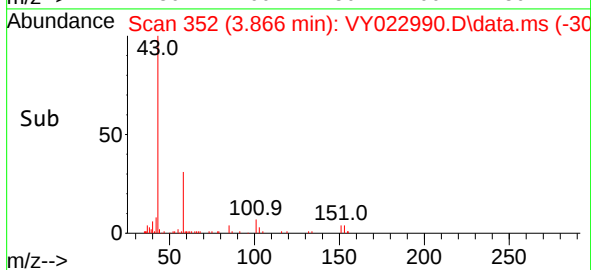
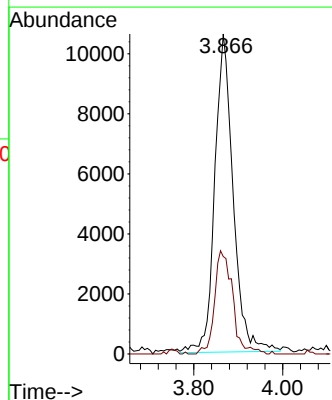
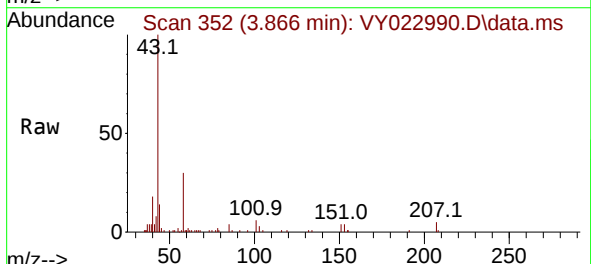
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MSVOA\_Y  
ClientSampleId :  
VSTDICC005

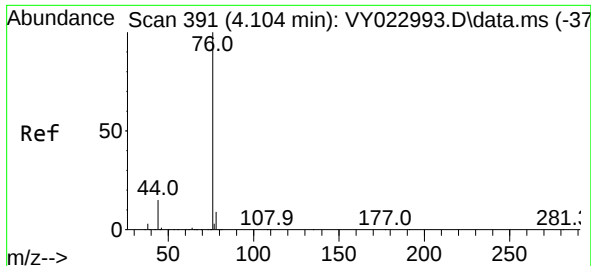
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 28037 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 85.1     | 65.2 97.8   |
| 51 37.6     | 30.3 45.5   |



#16  
Acetone  
Concen: 30.907 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 30383 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 30.7     | 26.2 39.4   |

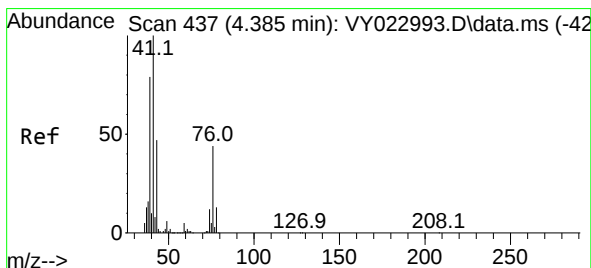
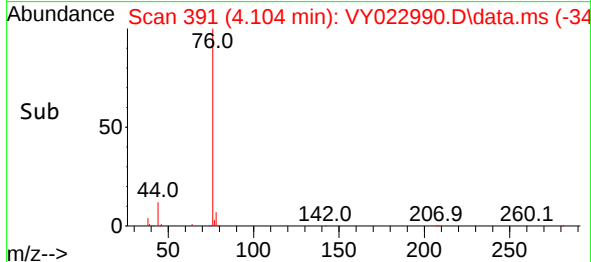
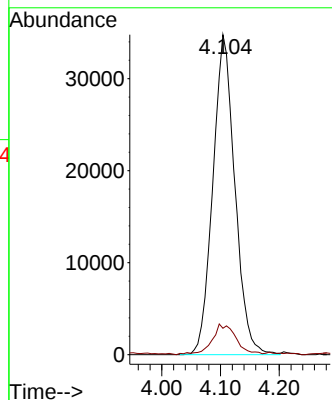
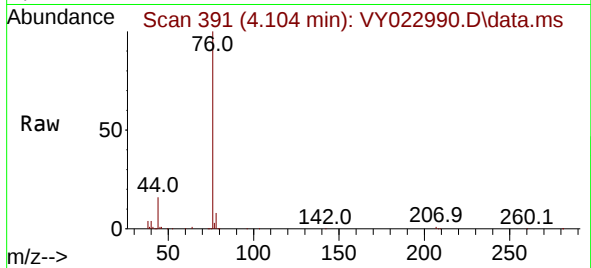




#17  
Carbon Disulfide  
Concen: 5.253 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

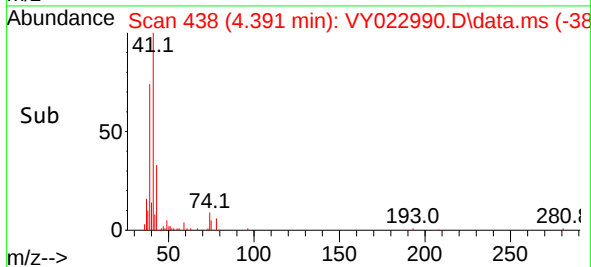
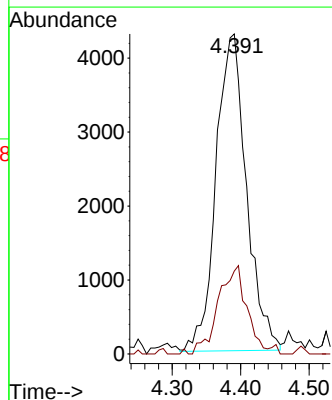
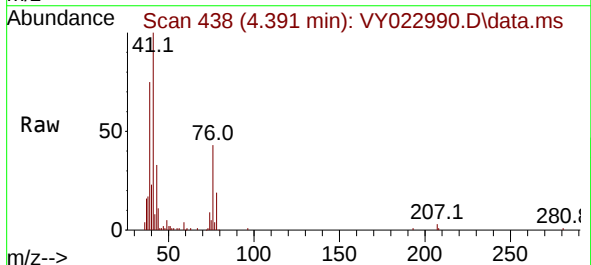
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

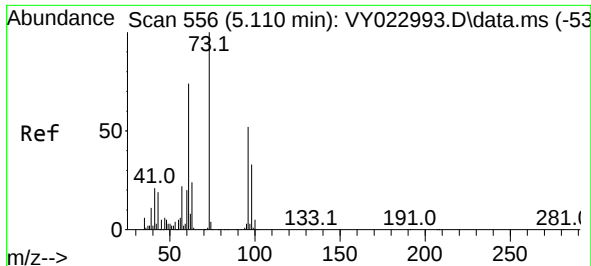
Tgt Ion: 76 Resp: 90620  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.4 11.0



#18  
Methyl Acetate  
Concen: 3.969 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 43 Resp: 13210  
Ion Ratio Lower Upper  
43 100  
74 26.0 20.1 30.1

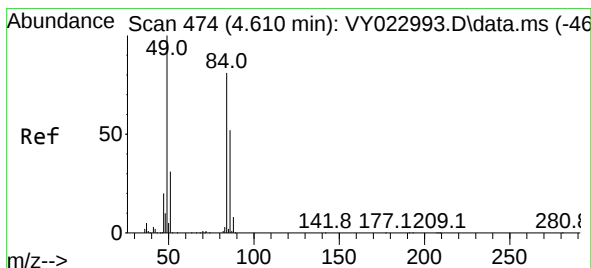
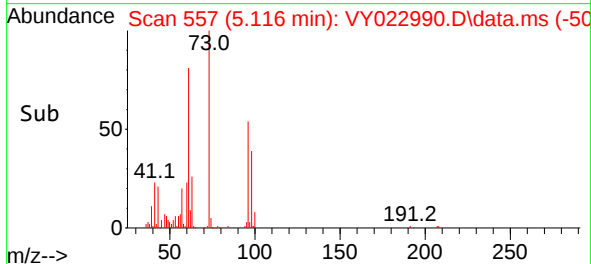
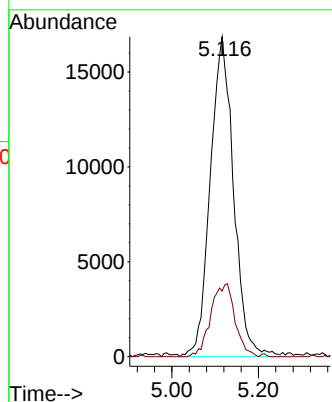
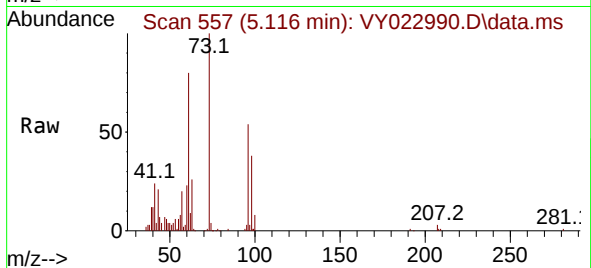




#19  
Methyl tert-butyl Ether  
Concen: 4.626 ug/l  
RT: 5.116 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

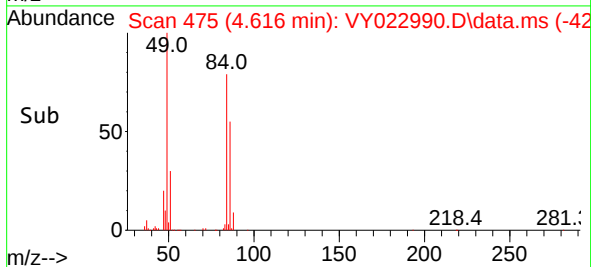
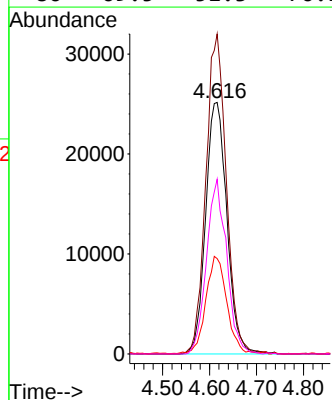
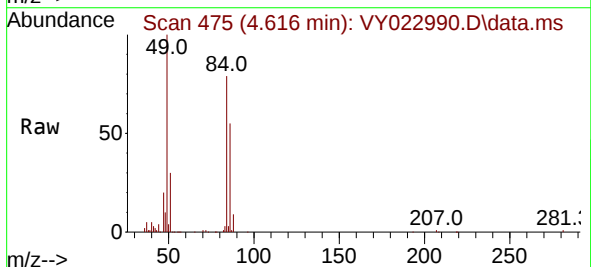
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

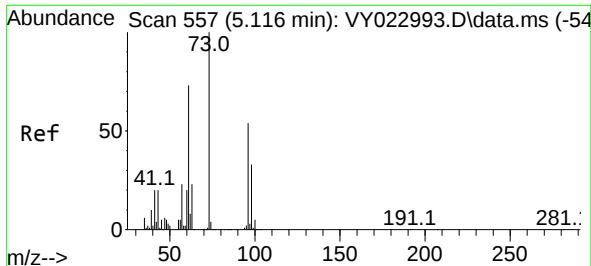
Tgt Ion: 73 Resp: 63167  
Ion Ratio Lower Upper  
73 100  
57 20.5 17.4 26.2



#20  
Methylene Chloride  
Concen: 3.739 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 84 Resp: 79161  
Ion Ratio Lower Upper  
84 100  
49 127.3 98.2 147.4  
51 37.9 30.5 45.7  
86 69.5 51.3 76.9

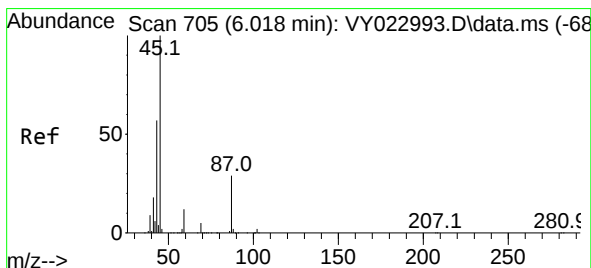
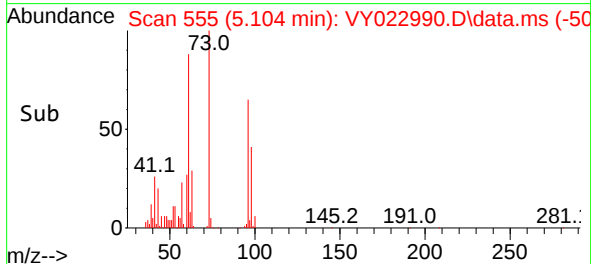
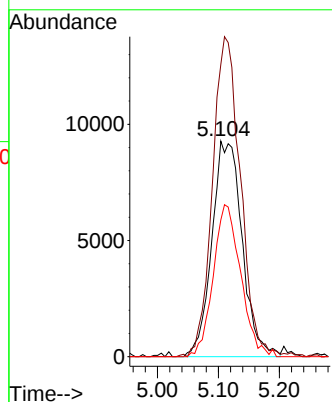
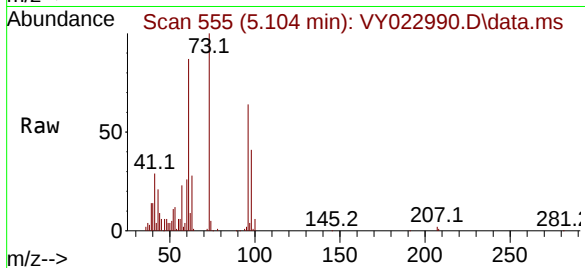




#21  
trans-1,2-Dichloroethene  
Concen: 5.045 ug/l  
RT: 5.104 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

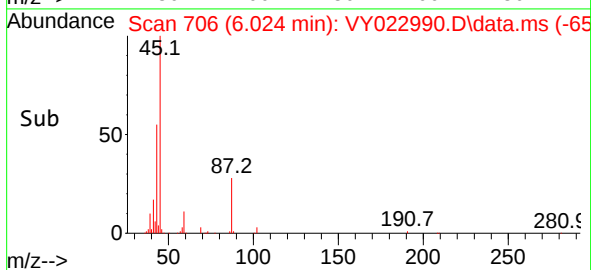
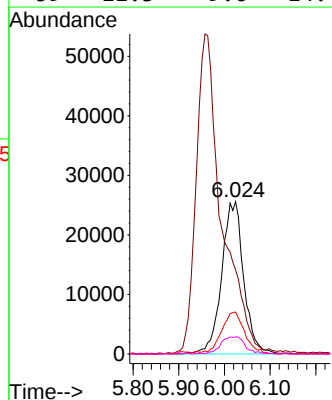
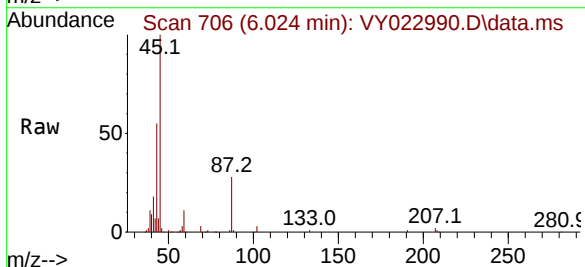
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

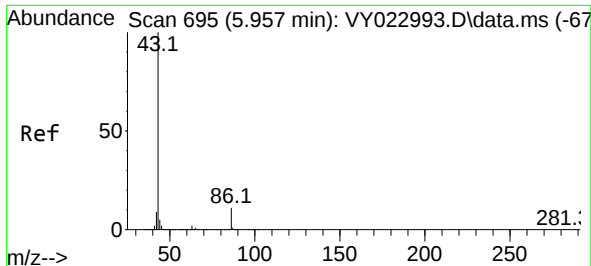
Tgt Ion: 96 Resp: 31968  
Ion Ratio Lower Upper  
96 100  
61 135.0 107.4 161.2  
98 63.5 49.3 73.9



#22  
Diisopropyl ether  
Concen: 4.650 ug/l  
RT: 6.024 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 45 Resp: 85560  
Ion Ratio Lower Upper  
45 100  
43 53.1 45.3 67.9  
87 27.5 23.3 34.9  
59 11.3 9.6 14.4

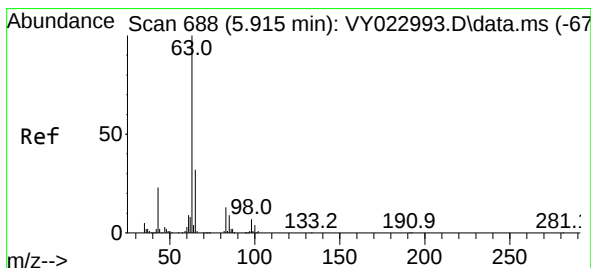
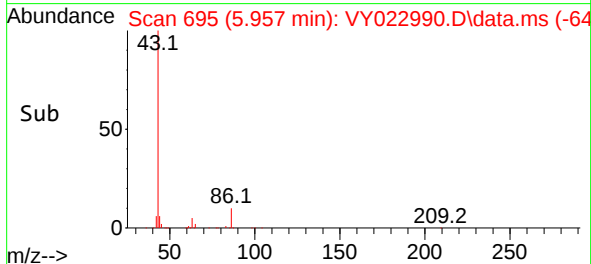
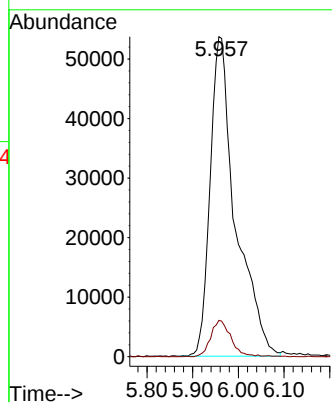
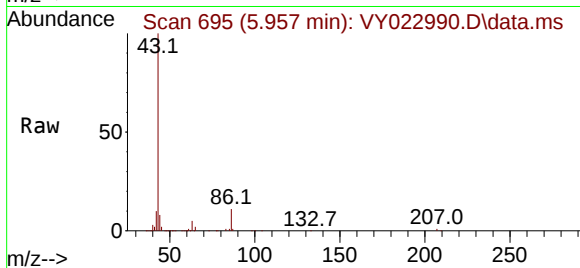




#23  
Vinyl Acetate  
Concen: 22.380 ug/l  
RT: 5.957 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

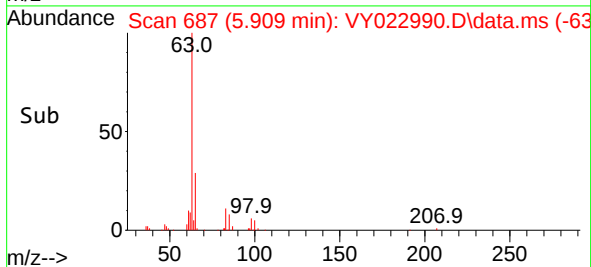
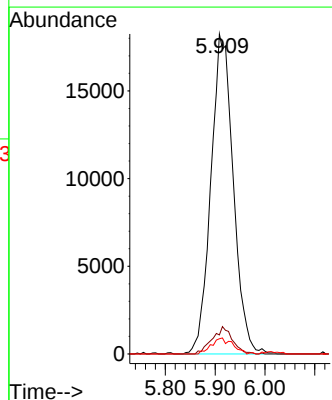
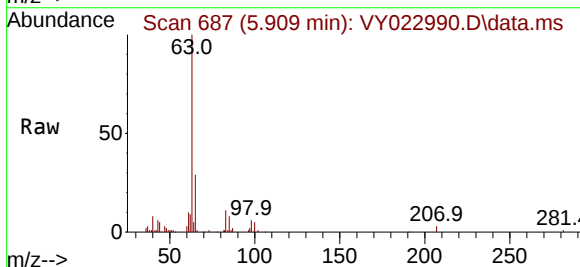
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

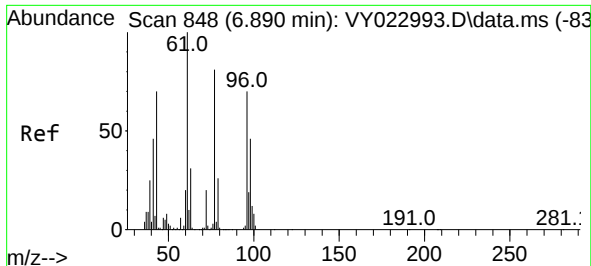
Tgt Ion: 43 Resp: 207469  
Ion Ratio Lower Upper  
43 100  
86 11.4 9.0 13.4



#24  
1,1-Dichloroethane  
Concen: 4.923 ug/l  
RT: 5.909 min Scan# 687  
Delta R.T. -0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 63 Resp: 56892  
Ion Ratio Lower Upper  
63 100  
98 6.0 3.5 10.5  
100 4.7 2.1 6.2

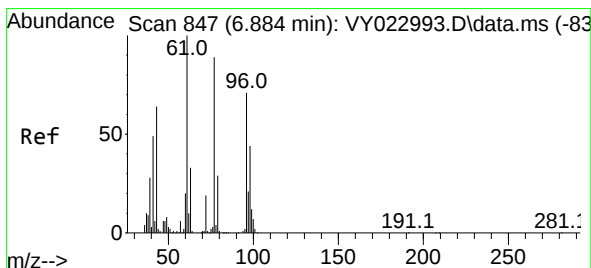
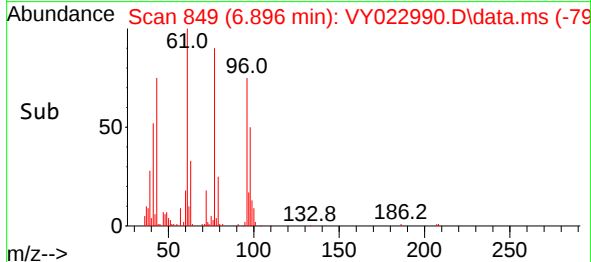
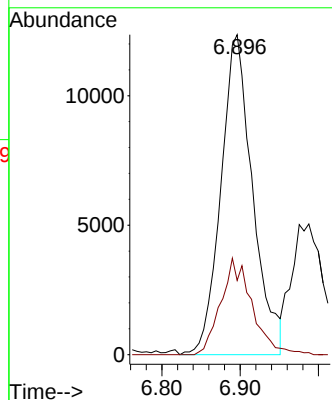
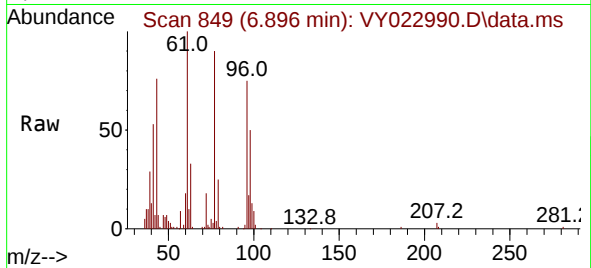




#25  
2-Butanone  
Concen: 24.634 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

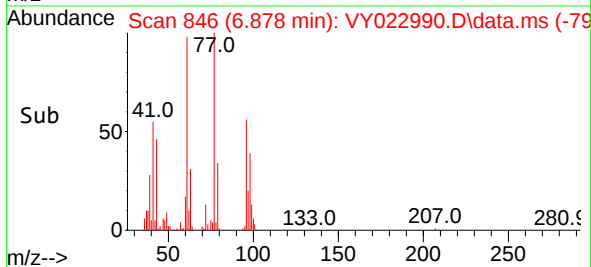
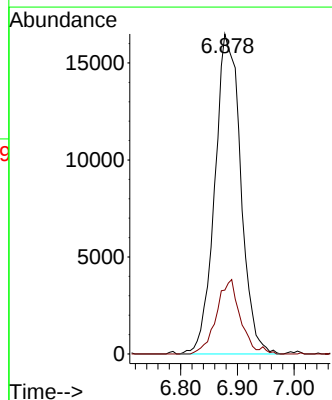
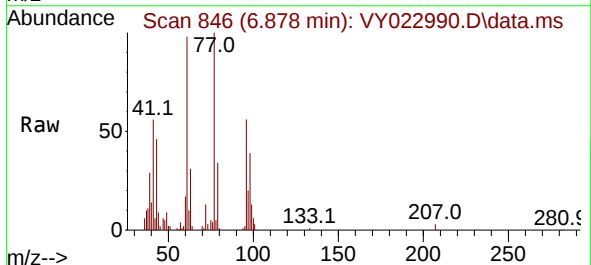
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

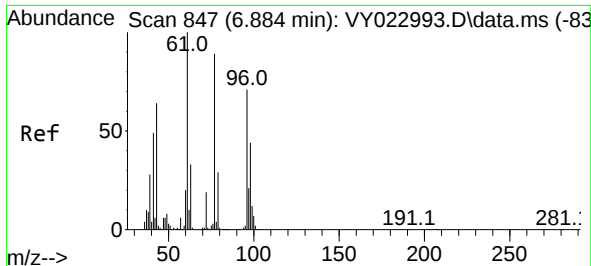
Tgt Ion: 43 Resp: 34740  
Ion Ratio Lower Upper  
43 100  
72 23.2 22.9 34.3



#26  
2,2-Dichloropropane  
Concen: 5.166 ug/l  
RT: 6.878 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 77 Resp: 52318  
Ion Ratio Lower Upper  
77 100  
97 21.1 11.3 33.9



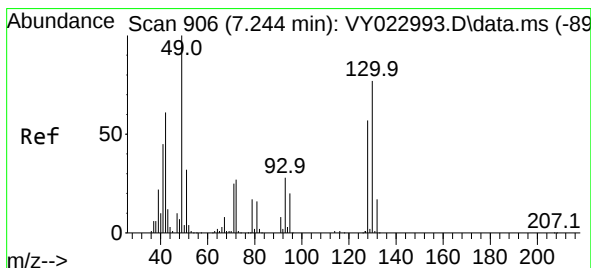
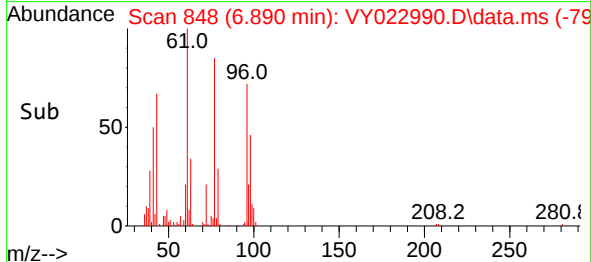
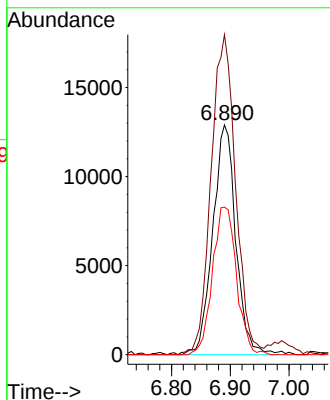
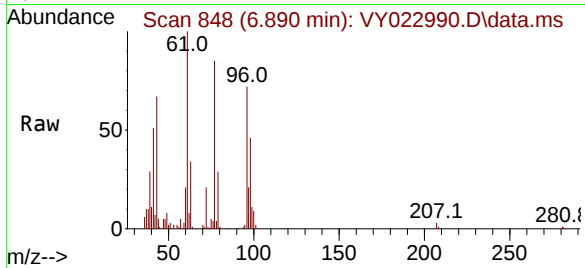


#27  
 cis-1,2-Dichloroethene  
 Concen: 4.820 ug/l  
 RT: 6.890 min Scan# 847  
 Delta R.T. 0.006 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 96 Resp: 35196  

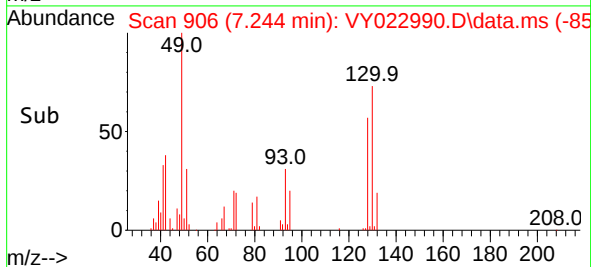
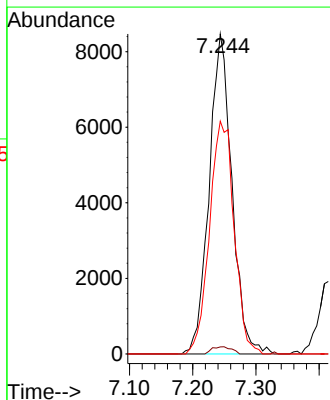
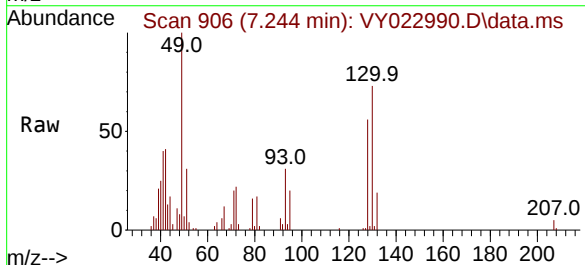
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 147.9 | 0.0   | 286.2 |
| 98  | 66.8  | 0.0   | 127.4 |

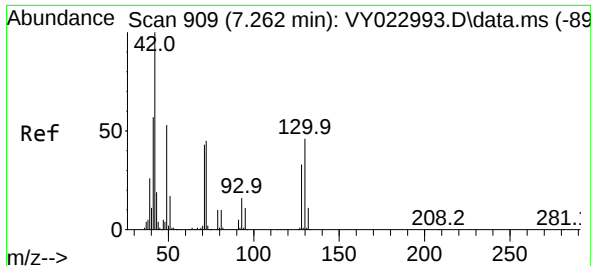


#28  
 Bromochloromethane  
 Concen: 4.714 ug/l  
 RT: 7.244 min Scan# 906  
 Delta R.T. -0.000 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

Tgt Ion: 49 Resp: 21127  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 1.9   | 0.0   | 4.4   |
| 130 | 78.7  | 61.8  | 92.8  |





#29

Tetrahydrofuran

Concen: 21.760 ug/l

RT: 7.256 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

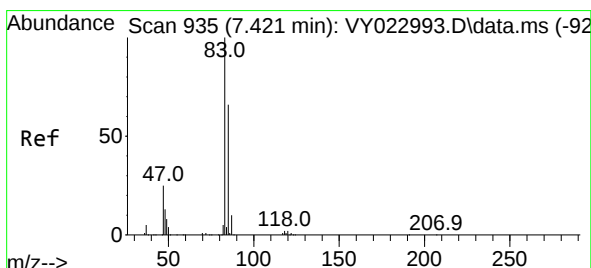
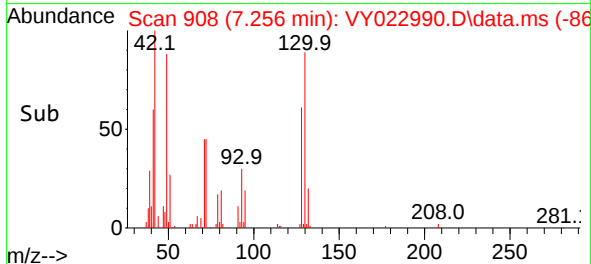
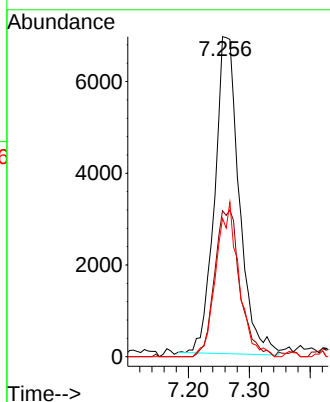
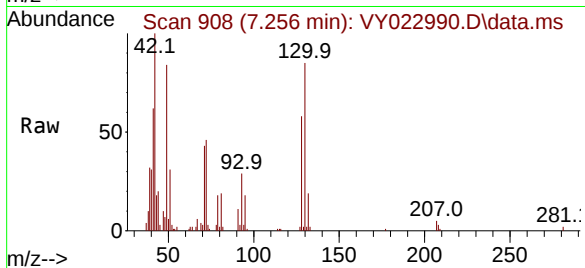
Tgt Ion: 42 Resp: 19429

Ion Ratio Lower Upper

42 100

72 47.6 37.5 56.3

71 45.2 34.2 51.4



#30

Chloroform

Concen: 4.941 ug/l

RT: 7.420 min Scan# 935

Delta R.T. -0.000 min

Lab File: VY022990.D

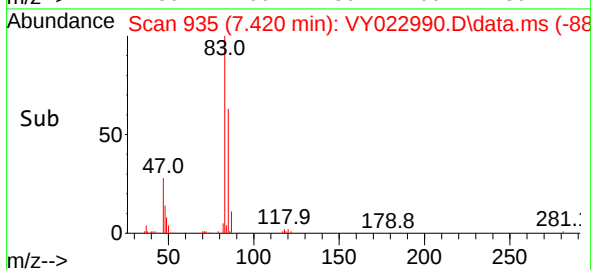
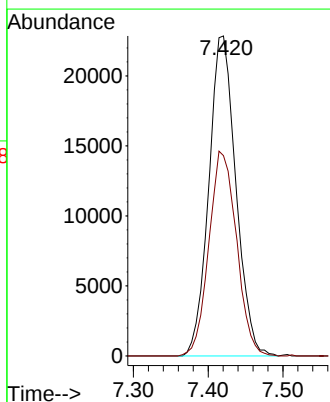
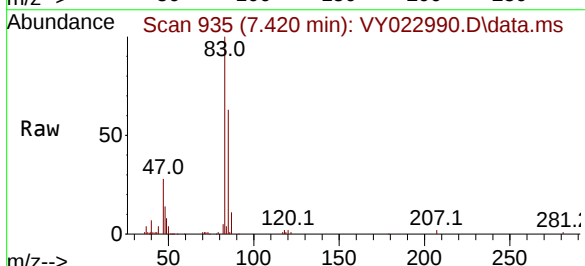
Acq: 18 Jul 2025 10:08

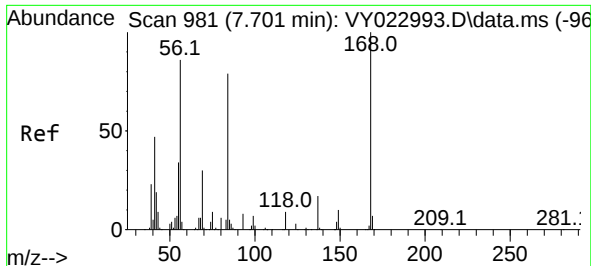
Tgt Ion: 83 Resp: 57601

Ion Ratio Lower Upper

83 100

85 62.6 52.6 78.8

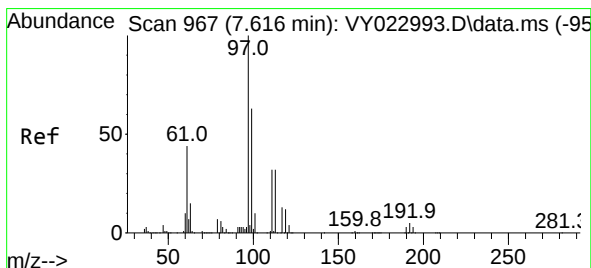
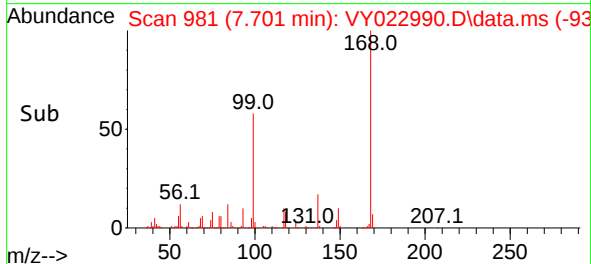
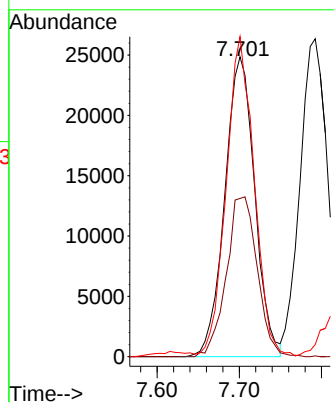
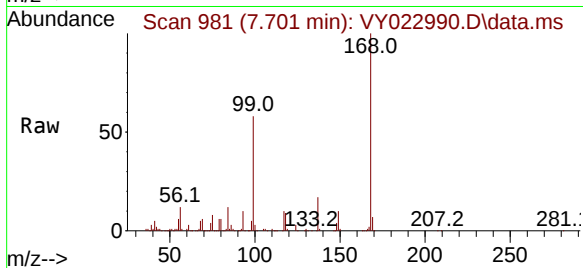




#31  
Cyclohexane  
Concen: 5.830 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

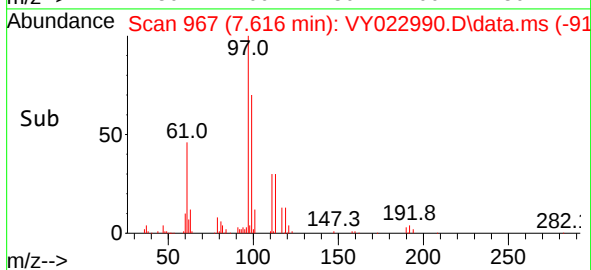
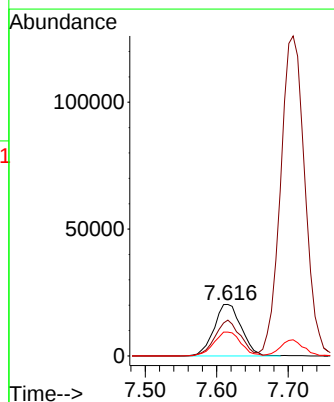
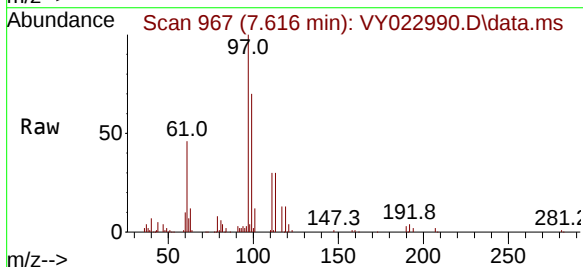
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

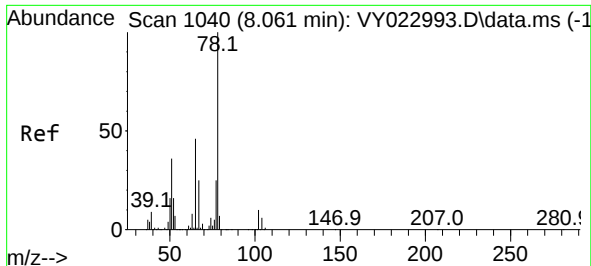
Tgt Ion: 56 Resp: 62949  
Ion Ratio Lower Upper  
56 100  
69 52.8 28.1 42.1#  
84 105.4 73.5 110.3



#32  
1,1,1-Trichloroethane  
Concen: 5.093 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 97 Resp: 53871  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.1 76.7  
61 45.8 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 4.663 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

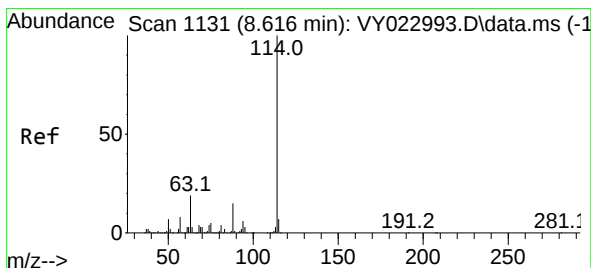
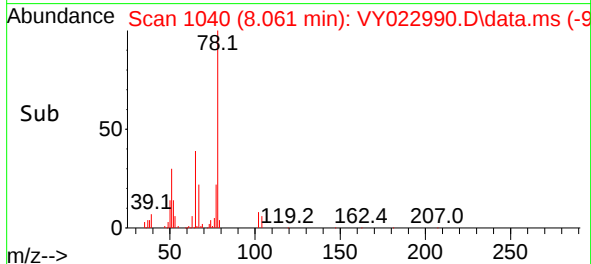
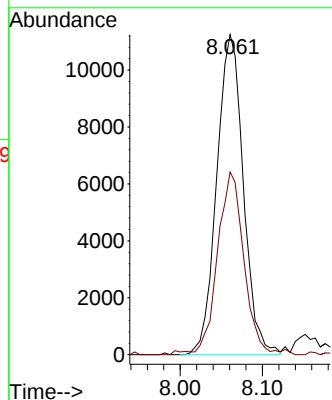
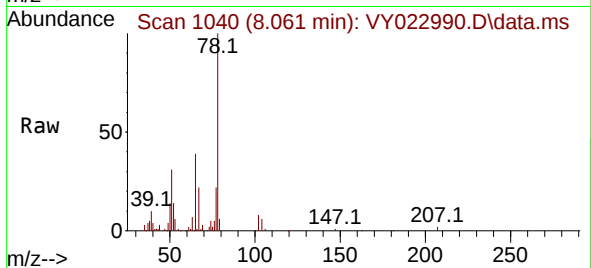
VSTDICC005

Tgt Ion: 65 Resp: 25286

Ion Ratio Lower Upper

65 100

67 56.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

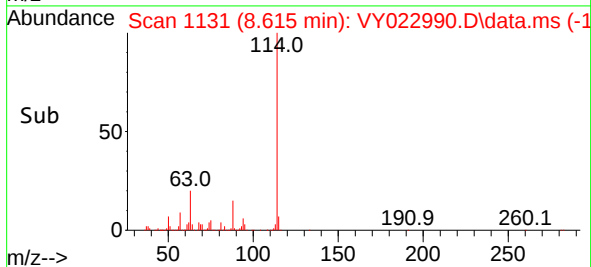
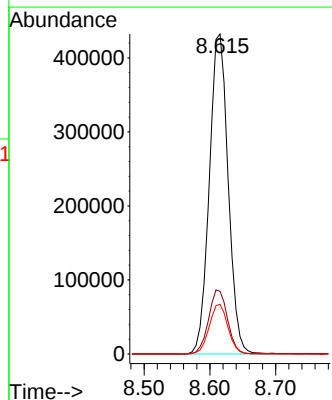
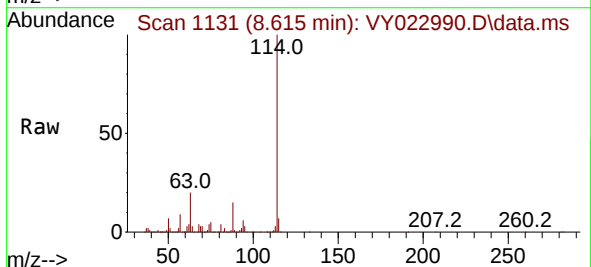
Tgt Ion: 114 Resp: 862980

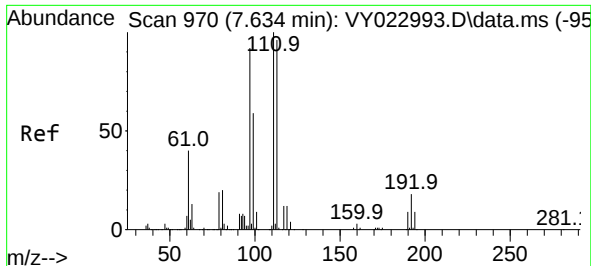
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

88 15.5 0.0 30.2

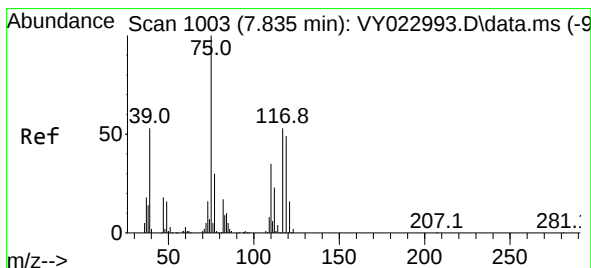
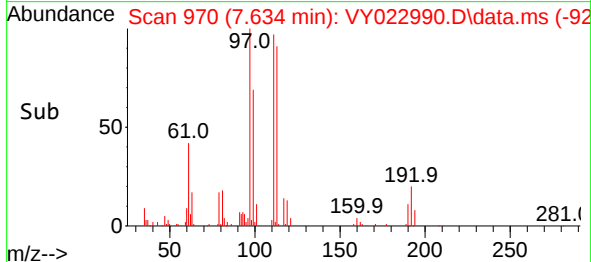
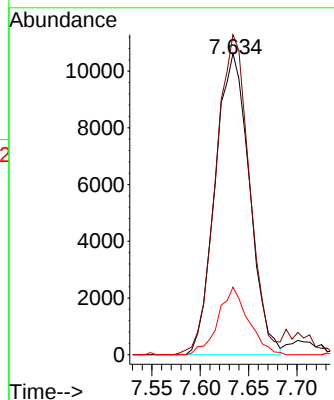
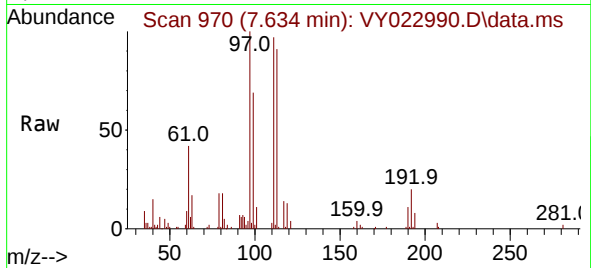




#35  
Dibromofluoromethane  
Concen: 4.768 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

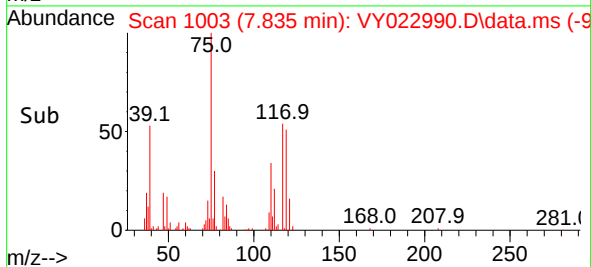
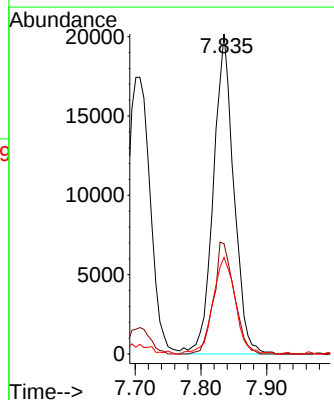
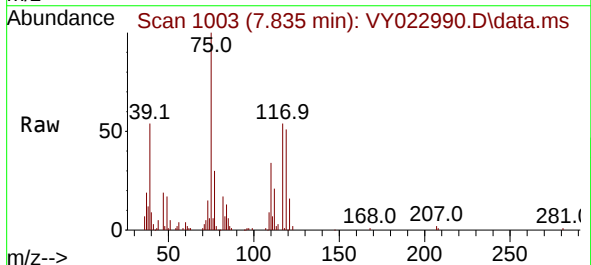
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

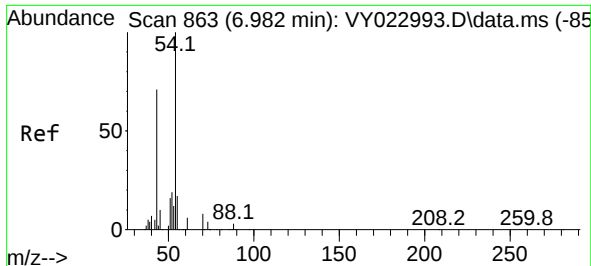
Tgt Ion:113 Resp: 26103  
Ion Ratio Lower Upper  
113 100  
111 104.6 83.2 124.8  
192 19.8 15.3 22.9



#36  
1,1-Dichloropropene  
Concen: 5.053 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 75 Resp: 43575  
Ion Ratio Lower Upper  
75 100  
110 35.1 17.3 51.9  
77 33.1 24.6 37.0





#37

Ethyl Acetate

Concen: 4.707 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

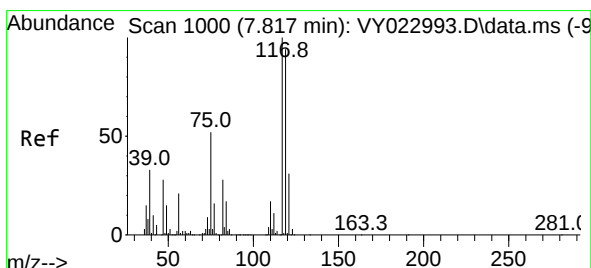
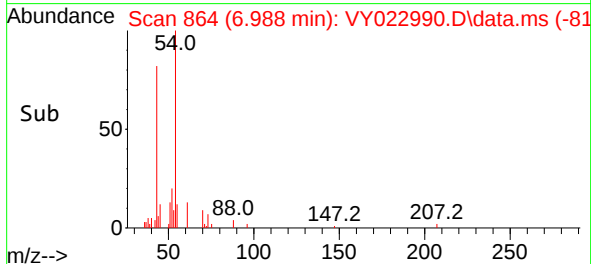
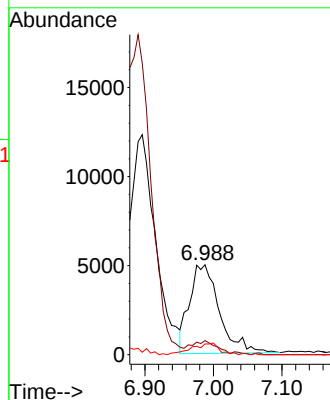
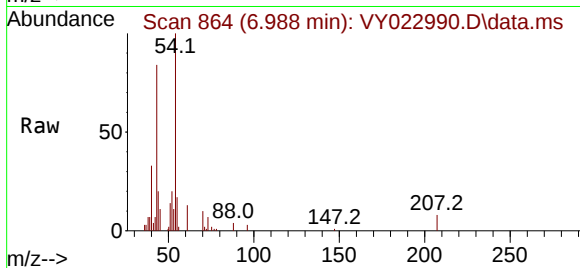
Tgt Ion: 43 Resp: 15073

Ion Ratio Lower Upper

43 100

61 14.1 11.6 17.4

70 12.1 8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.087 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

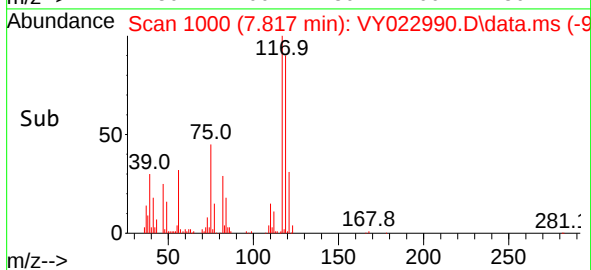
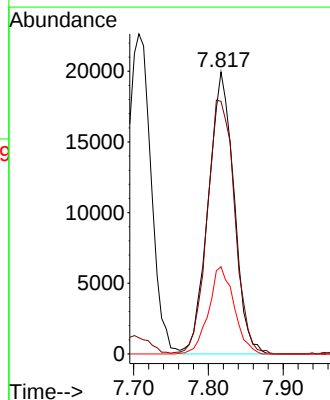
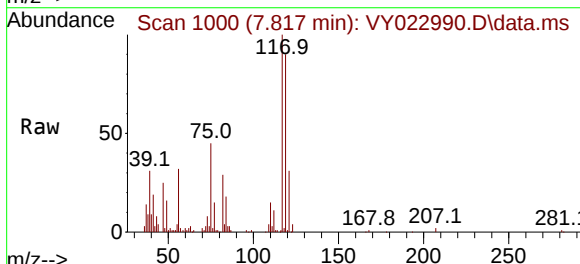
Tgt Ion: 117 Resp: 47654

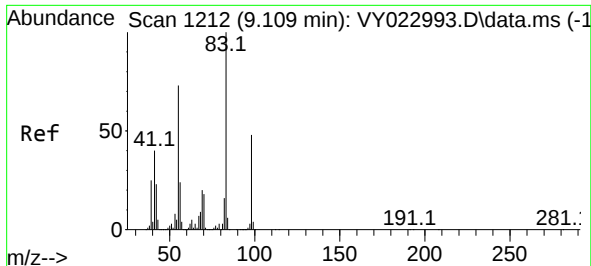
Ion Ratio Lower Upper

117 100

119 89.6 74.9 112.3

121 30.9 24.6 37.0





#39

Methylcyclohexane

Concen: 5.079 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

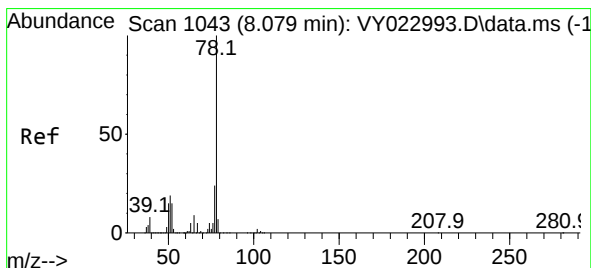
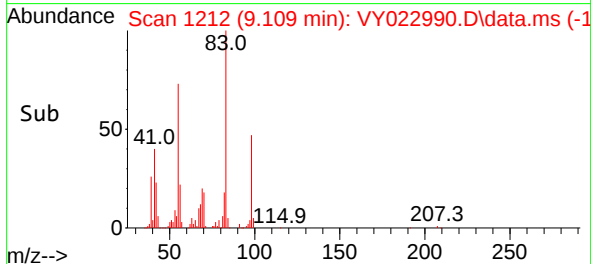
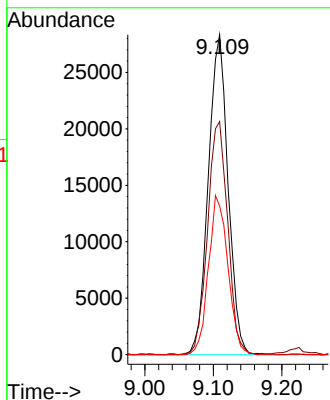
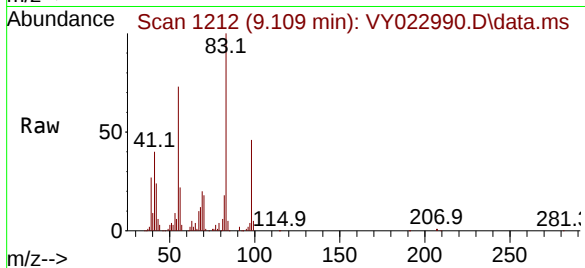
Tgt Ion: 83 Resp: 56680

Ion Ratio Lower Upper

83 100

55 72.8 58.1 87.1

98 46.4 38.5 57.7



#40

Benzene

Concen: 4.934 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VY022990.D

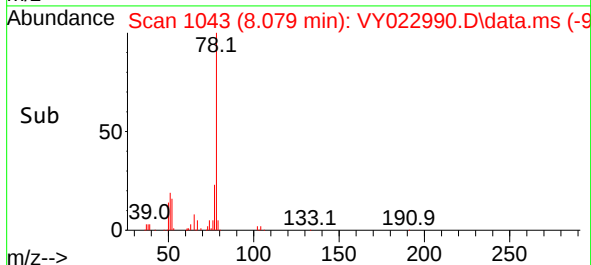
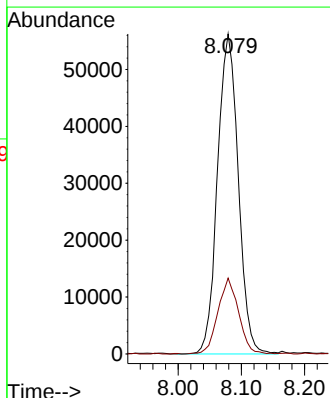
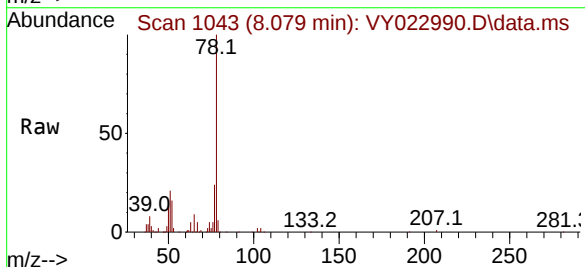
Acq: 18 Jul 2025 10:08

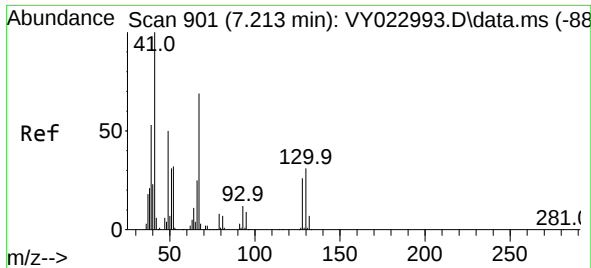
Tgt Ion: 78 Resp: 128094

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

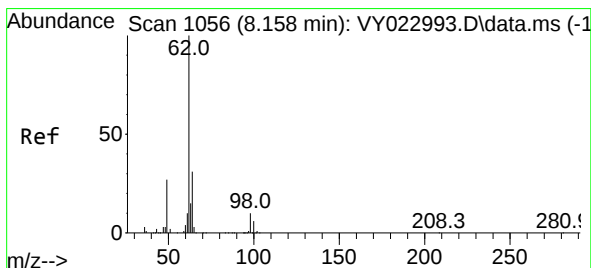
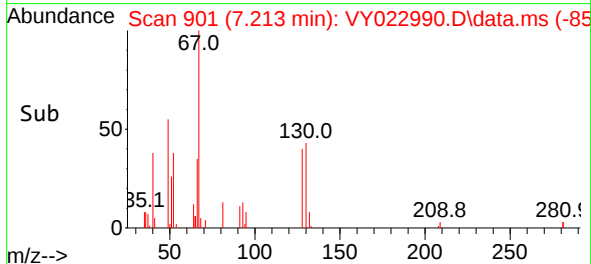
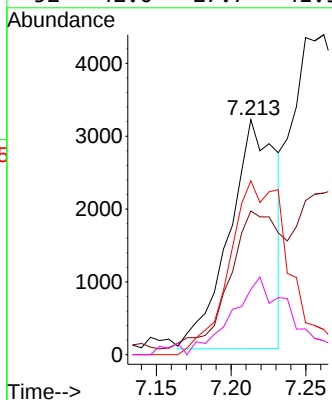
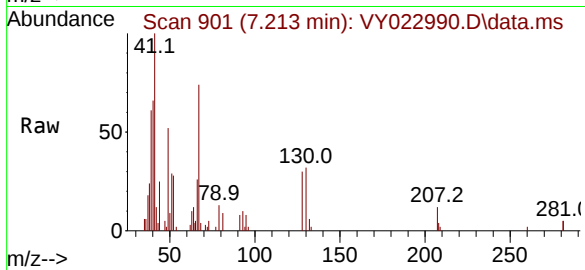




#41  
Methacrylonitrile  
Concen: 3.923 ug/l  
RT: 7.213 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

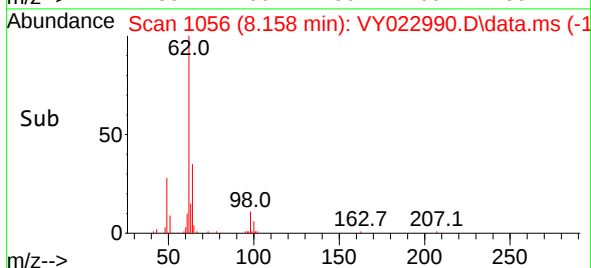
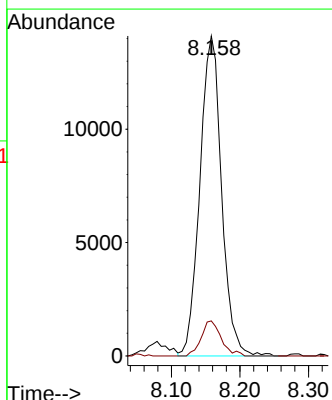
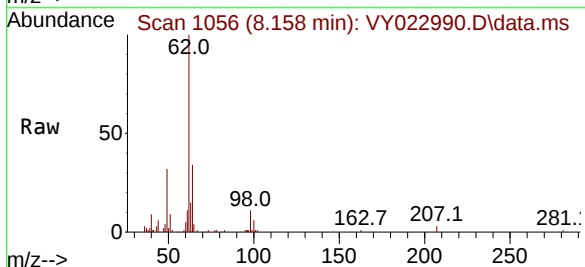
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

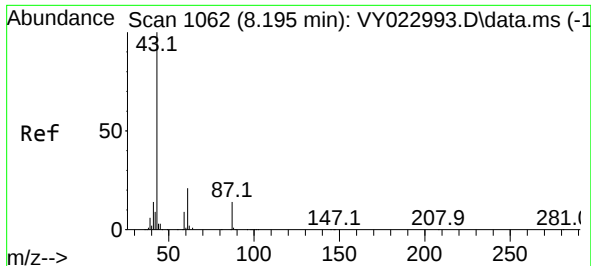
Tgt Ion: 41 Resp: 6844  
Ion Ratio Lower Upper  
41 100  
39 69.9 50.0 75.0  
67 97.5 65.4 98.2  
52 42.0 27.7 41.5#



#42  
1,2-Dichloroethane  
Concen: 4.821 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 62 Resp: 31142  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 4.292 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

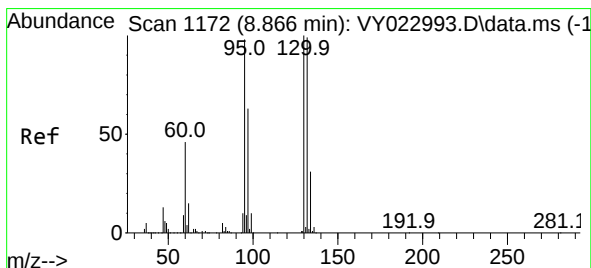
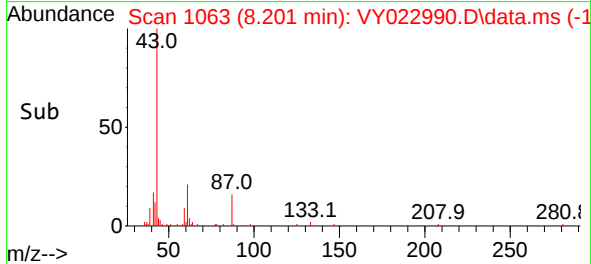
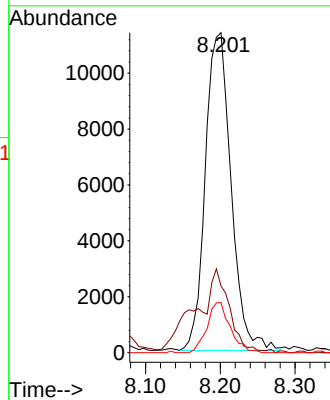
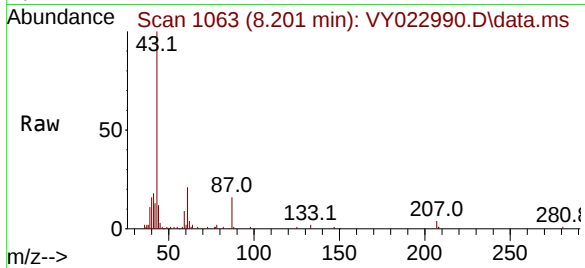
Tgt Ion: 43 Resp: 27300

Ion Ratio Lower Upper

43 100

61 19.1 25.0 37.4#

87 14.2 11.1 16.7



#44

Trichloroethene

Concen: 5.205 ug/l

RT: 8.865 min Scan# 1172

Delta R.T. -0.000 min

Lab File: VY022990.D

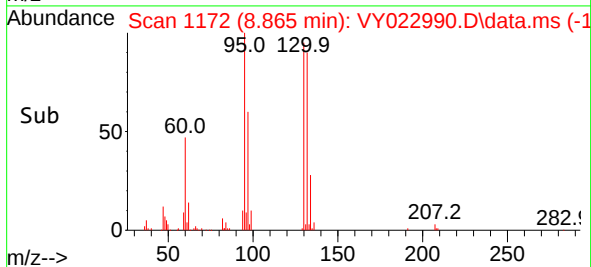
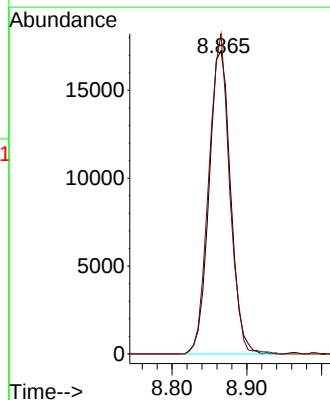
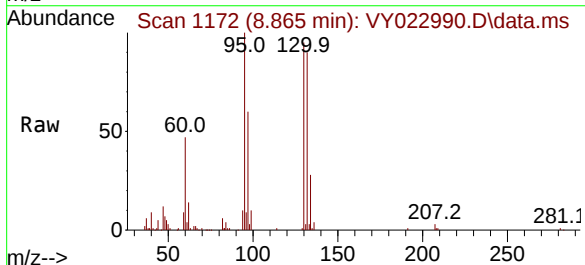
Acq: 18 Jul 2025 10:08

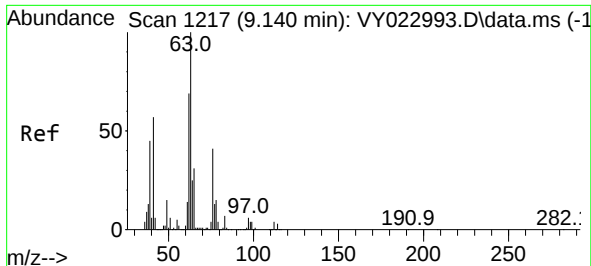
Tgt Ion:130 Resp: 34709

Ion Ratio Lower Upper

130 100

95 105.5 0.0 195.8





#45

1,2-Dichloropropane

Concen: 5.005 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

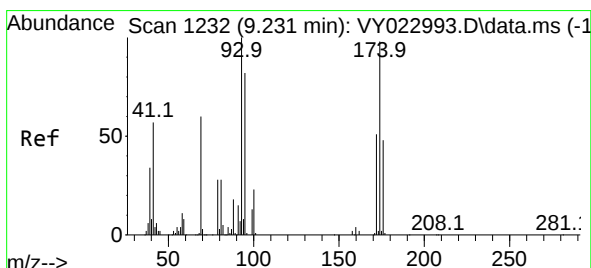
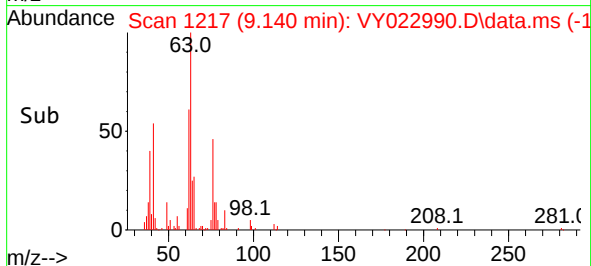
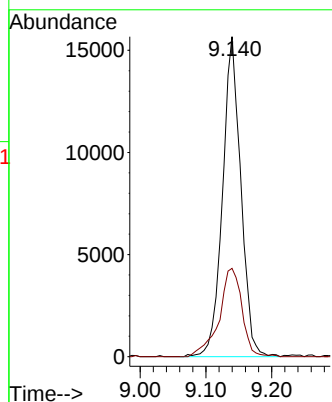
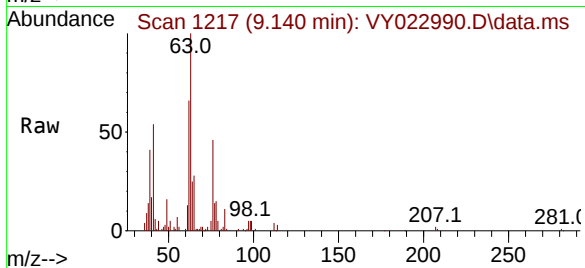
VSTDIC005

Tgt Ion: 63 Resp: 30343

Ion Ratio Lower Upper

63 100

65 27.6 24.6 37.0



#46

Dibromomethane

Concen: 4.856 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

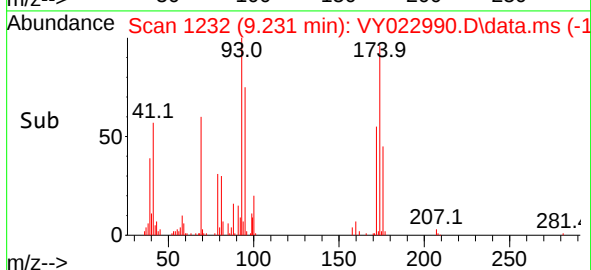
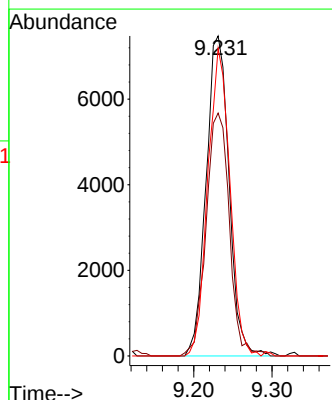
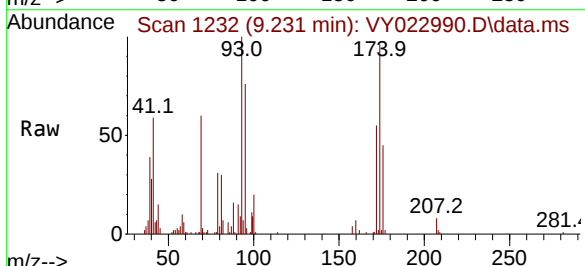
Tgt Ion: 93 Resp: 15218

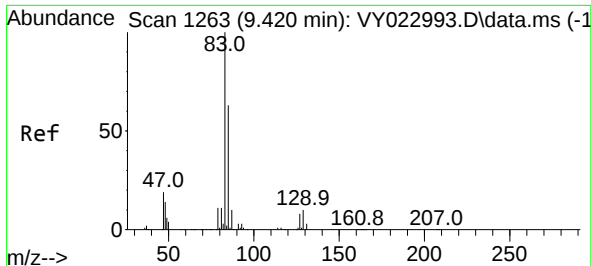
Ion Ratio Lower Upper

93 100

95 77.0 65.9 98.9

174 92.0 76.4 114.6

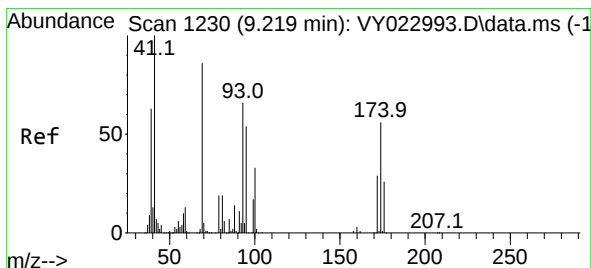
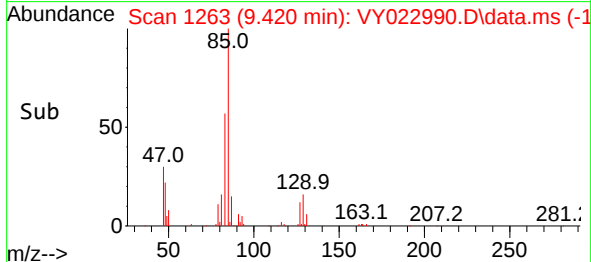
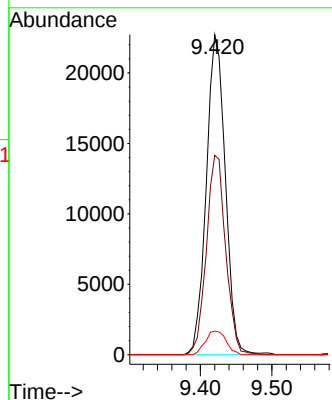
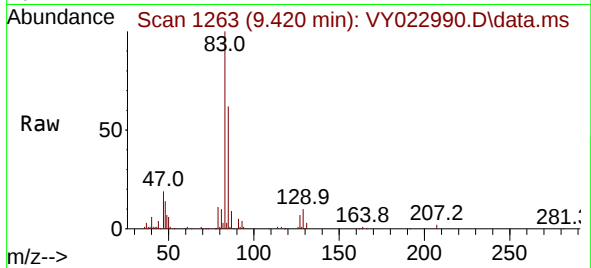




#47  
Bromodichloromethane  
Concen: 4.849 ug/l  
RT: 9.420 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

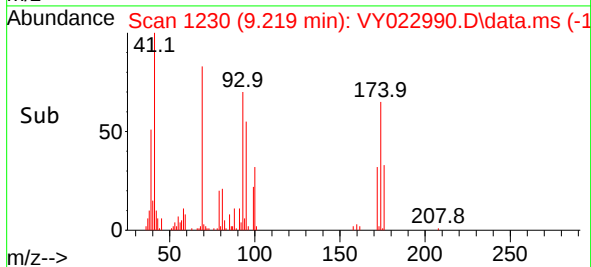
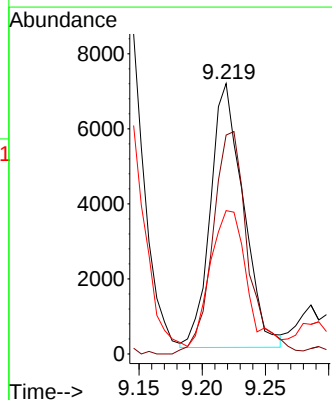
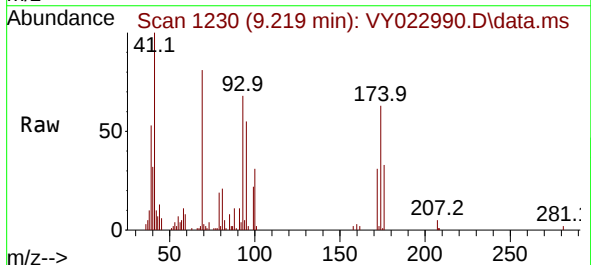
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

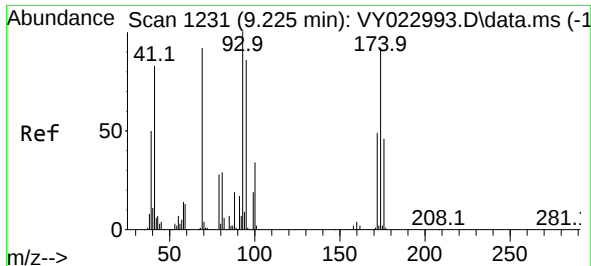
Tgt Ion: 83 Resp: 42002  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.6 75.8  
127 7.3 6.5 9.7



#48  
Methyl methacrylate  
Concen: 4.156 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 41 Resp: 12765  
Ion Ratio Lower Upper  
41 100  
69 89.2 71.4 107.0  
39 56.1 47.8 71.8





#49

1,4-Dioxane

Concen: 85.247 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

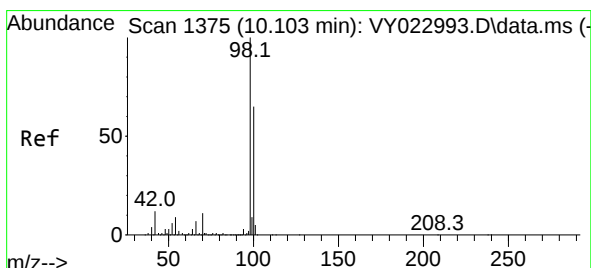
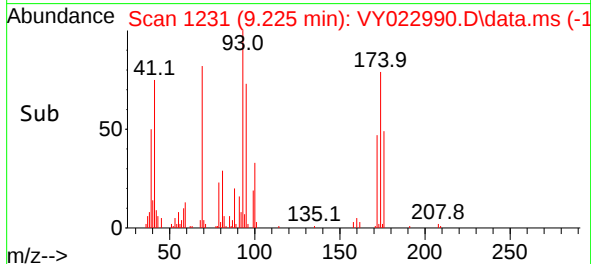
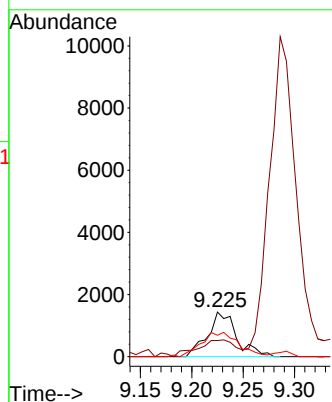
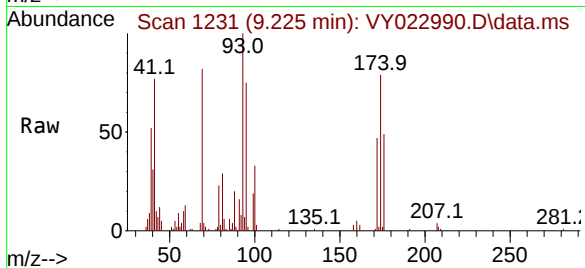
Tgt Ion: 88 Resp: 2816

Ion Ratio Lower Upper

88 100

43 48.8 28.7 43.1#

58 70.4 59.8 89.6



#50

Toluene-d8

Concen: 4.758 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022990.D

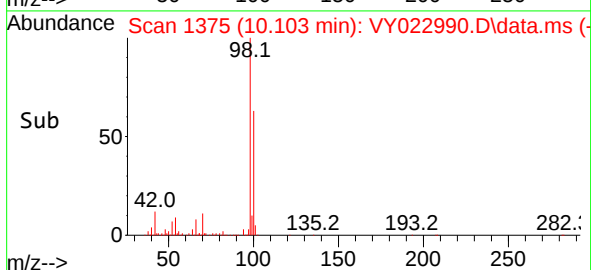
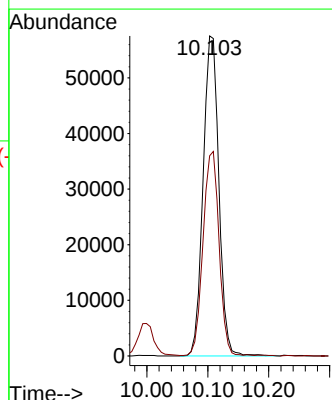
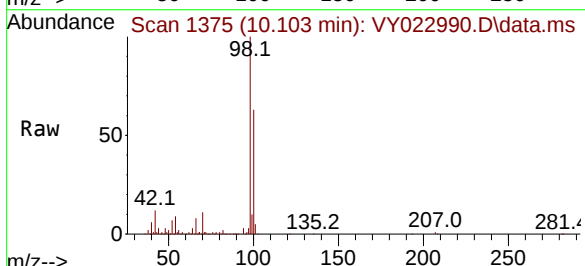
Acq: 18 Jul 2025 10:08

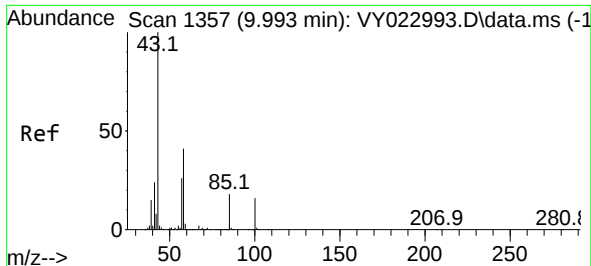
Tgt Ion: 98 Resp: 103295

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2

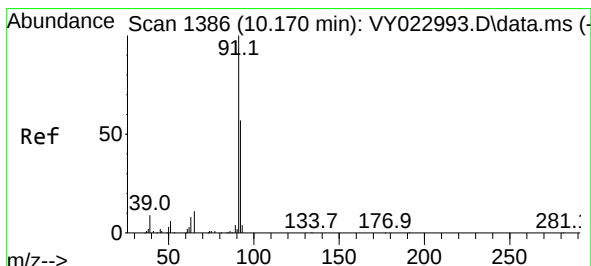
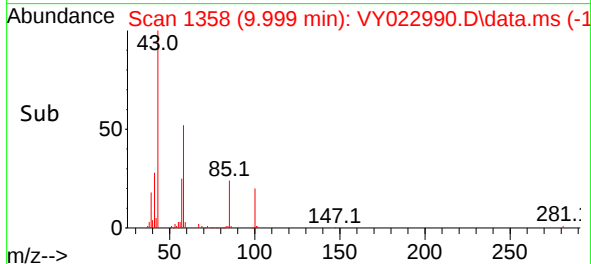
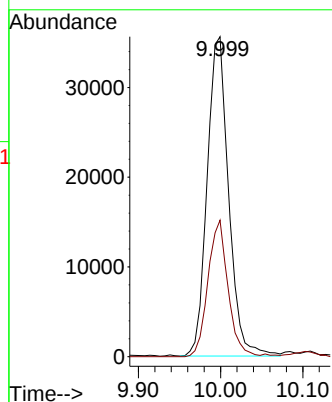
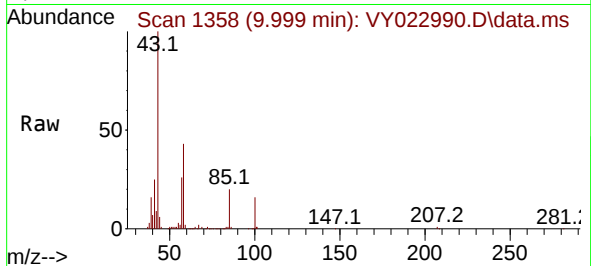




#51  
4-Methyl-2-Pentanone  
Concen: 20.023 ug/l  
RT: 9.999 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

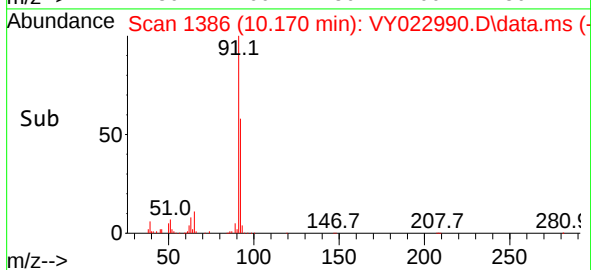
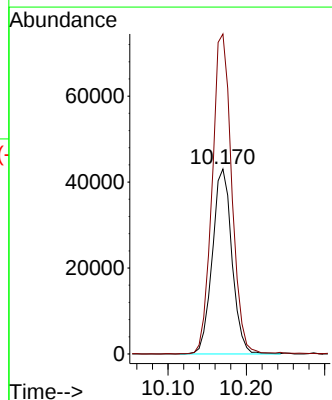
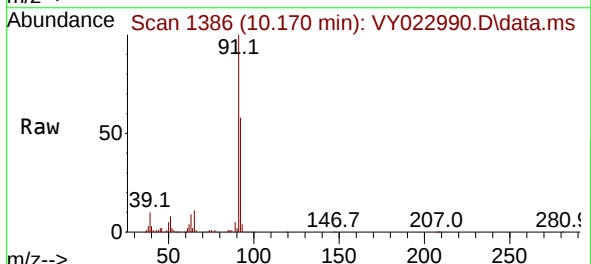
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

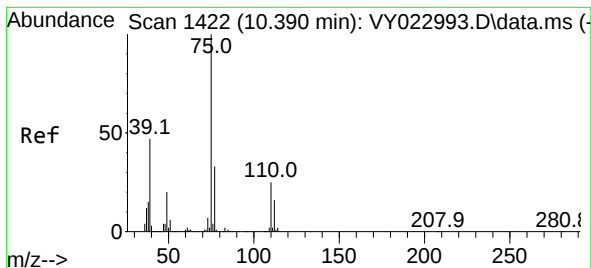
Tgt Ion: 43 Resp: 64649  
Ion Ratio Lower Upper  
43 100  
58 39.8 32.5 48.7



#52  
Toluene  
Concen: 4.626 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 92 Resp: 74665  
Ion Ratio Lower Upper  
92 100  
91 172.7 137.8 206.6

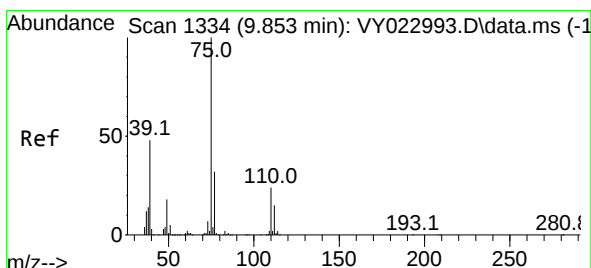
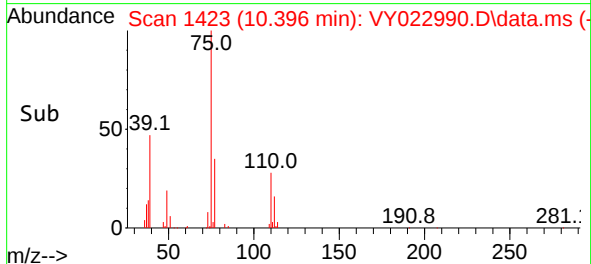
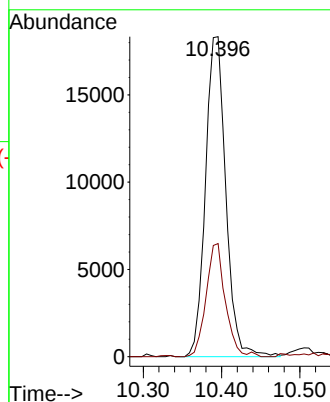
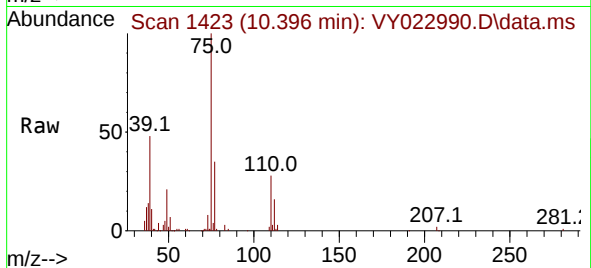




#53  
 t-1,3-Dichloropropene  
 Concen: 4.447 ug/l  
 RT: 10.396 min Scan# 1422  
 Delta R.T. 0.006 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

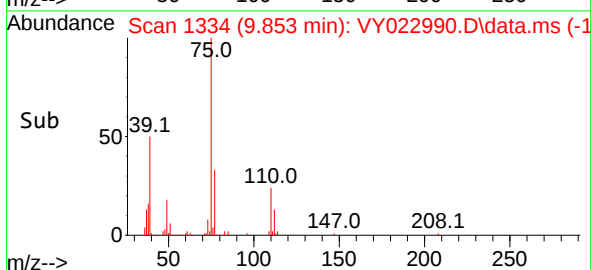
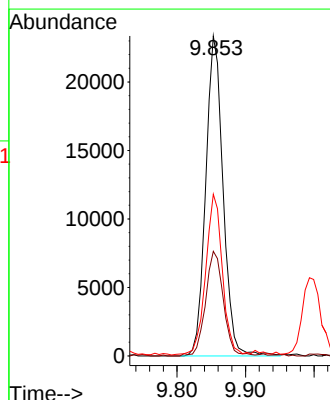
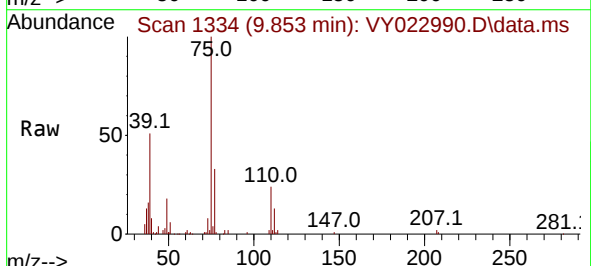
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

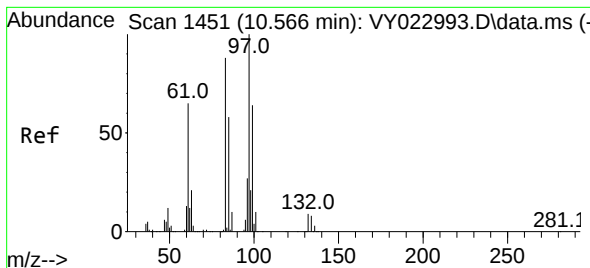
Tgt Ion: 75 Resp: 33067  
 Ion Ratio Lower Upper  
 75 100  
 77 35.3 26.4 39.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 4.599 ug/l  
 RT: 9.853 min Scan# 1334  
 Delta R.T. -0.000 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

Tgt Ion: 75 Resp: 41220  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 25.4 38.0  
 39 50.0 38.2 57.2

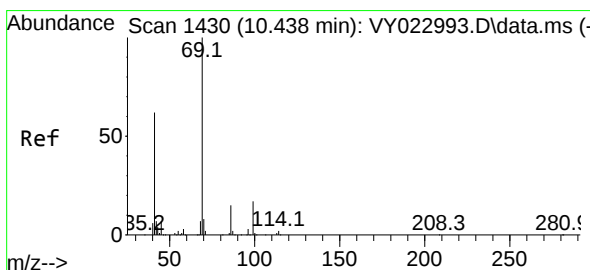
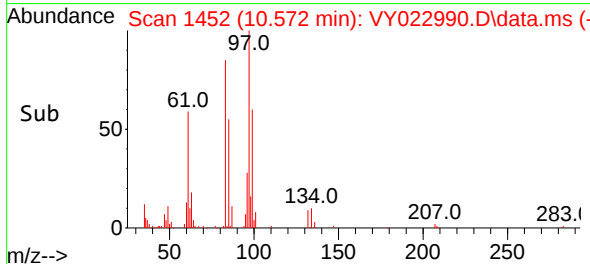
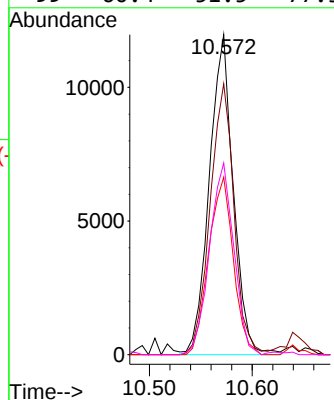
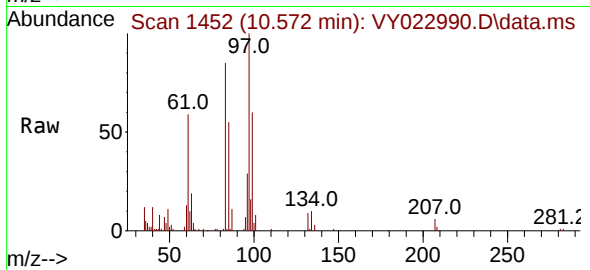




#55  
1,1,2-Trichloroethane  
Concen: 4.724 ug/l  
RT: 10.572 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

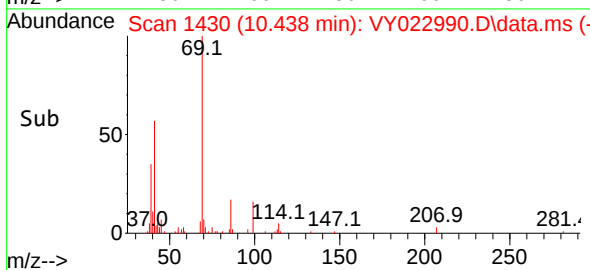
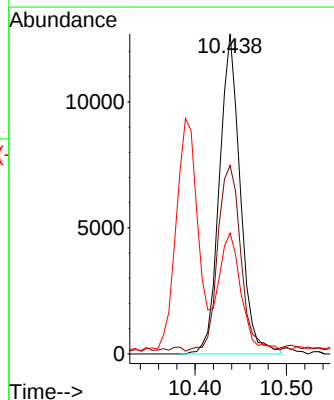
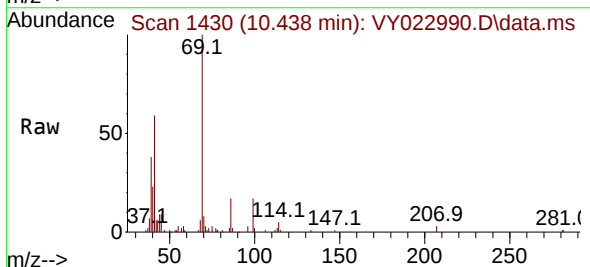
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

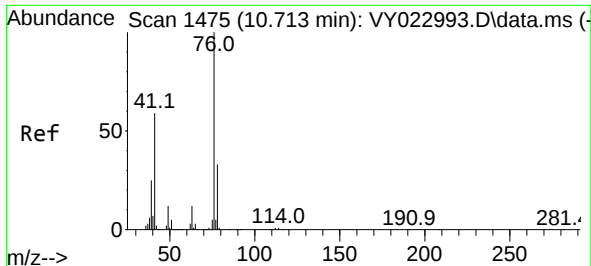
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 19458 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 85.3     | 70.2 105.2  |
| 85 55.9     | 46.2 69.2   |
| 99 60.4     | 51.5 77.3   |



#56  
Ethyl methacrylate  
Concen: 3.925 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 20183 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 63.7     | 51.0 76.4   |
| 39 39.5     | 30.6 46.0   |





#57

1,3-Dichloropropane

Concen: 4.686 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

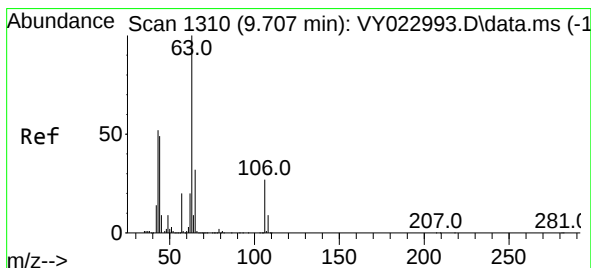
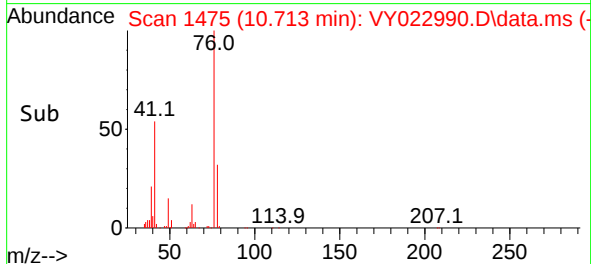
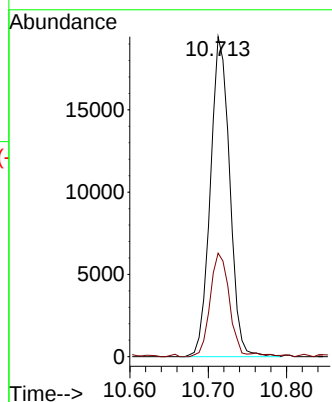
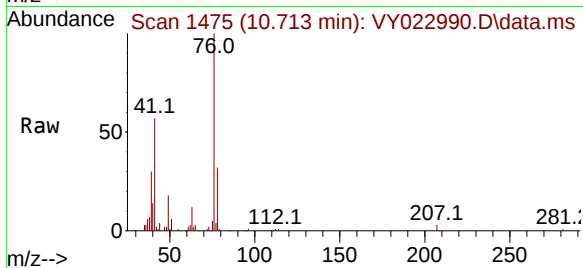
VSTDICC005

Tgt Ion: 76 Resp: 33346

Ion Ratio Lower Upper

76 100

78 32.9 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 18.550 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY022990.D

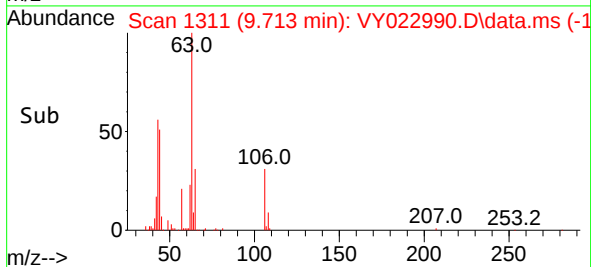
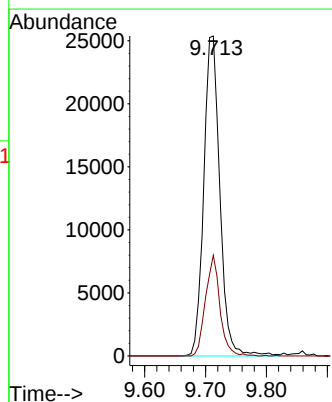
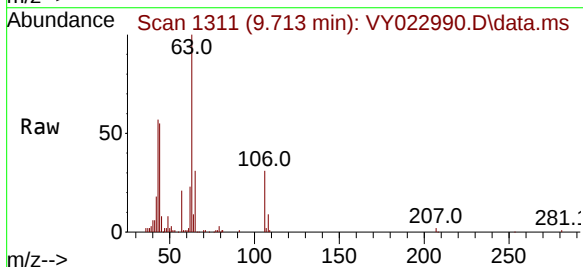
Acq: 18 Jul 2025 10:08

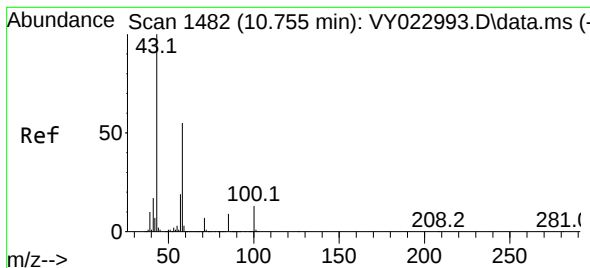
Tgt Ion: 63 Resp: 46689

Ion Ratio Lower Upper

63 100

106 28.1 22.6 33.8

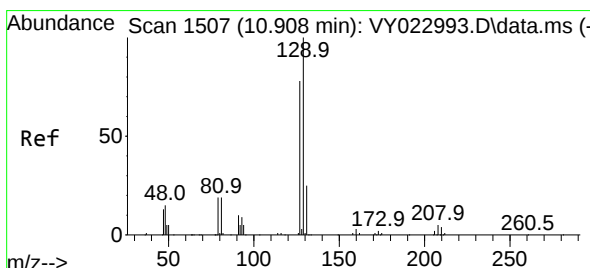
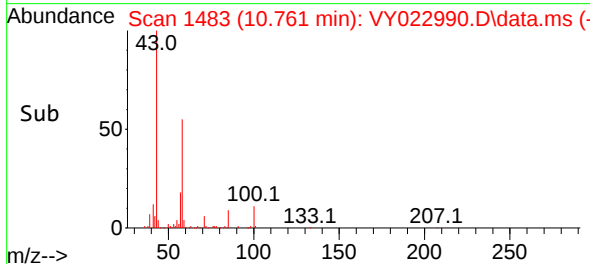
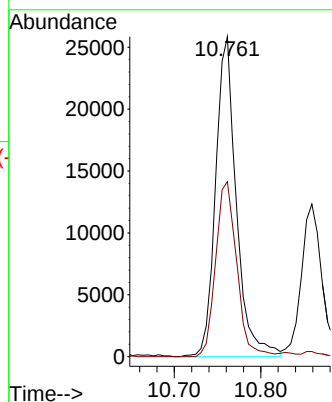
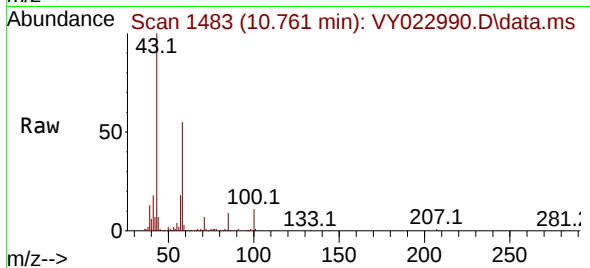




#59  
2-Hexanone  
Concen: 20.239 ug/l  
RT: 10.761 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

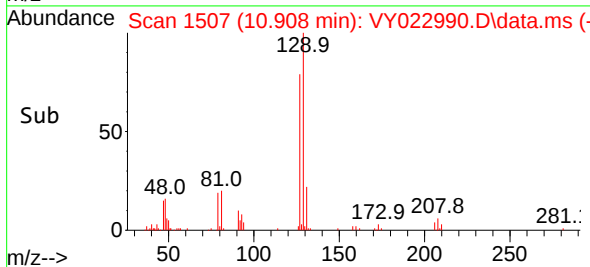
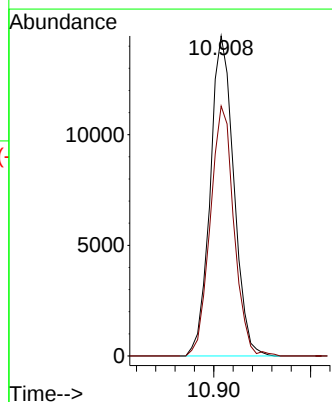
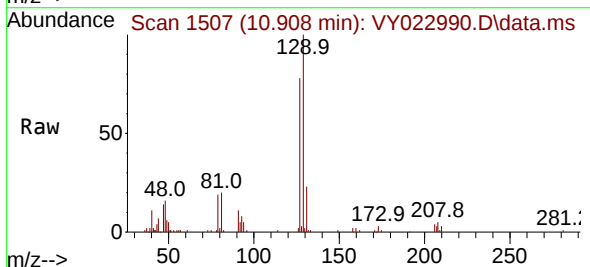
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

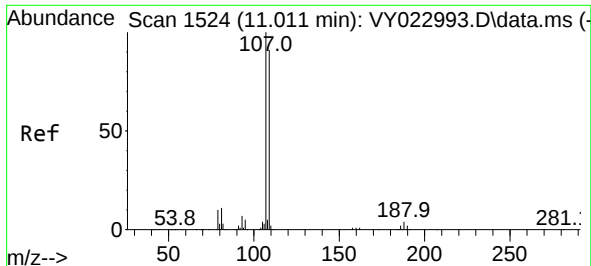
Tgt Ion: 43 Resp: 42954  
Ion Ratio Lower Upper  
43 100  
58 55.5 28.1 84.3



#60  
Dibromochloromethane  
Concen: 4.548 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 129 Resp: 24530  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.7 116.1

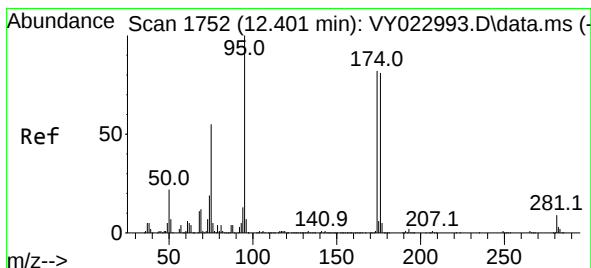
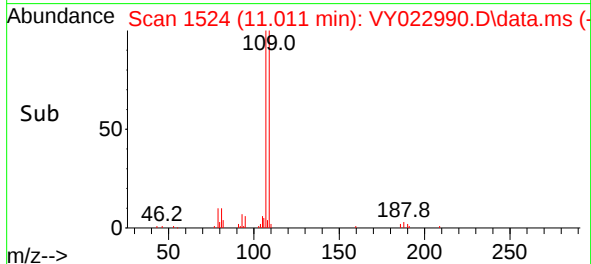
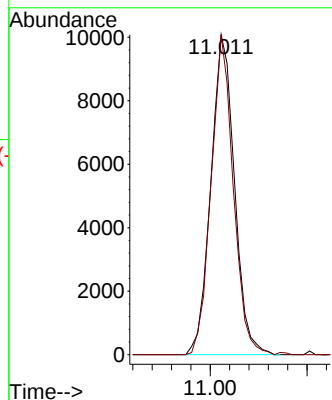
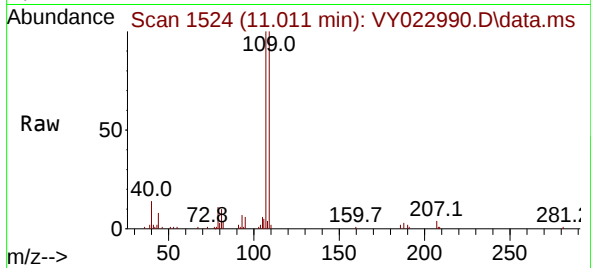




#61  
1,2-Dibromoethane  
Concen: 4.555 ug/l  
RT: 11.011 min Scan# 1524  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

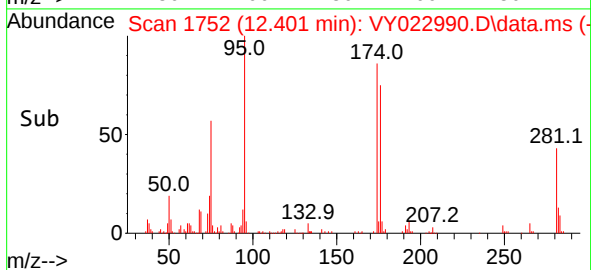
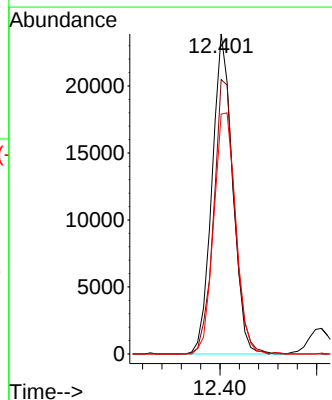
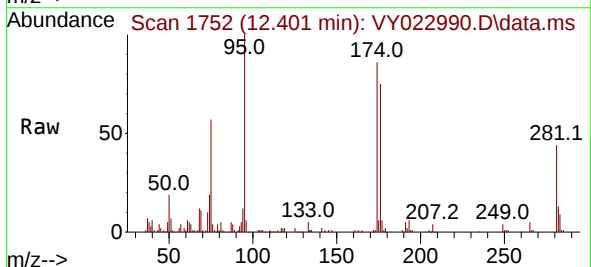
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

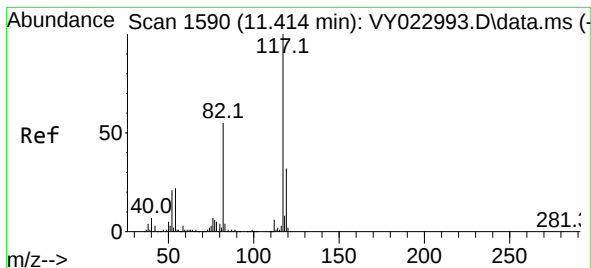
Tgt Ion:107 Resp: 17039  
Ion Ratio Lower Upper  
107 100  
109 93.8 75.1 112.7



#62  
4-Bromofluorobenzene  
Concen: 5.165 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 95 Resp: 35295  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 170.8  
176 81.0 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

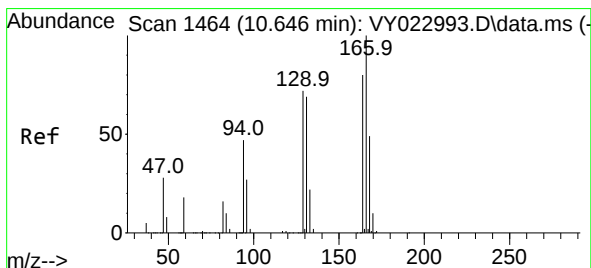
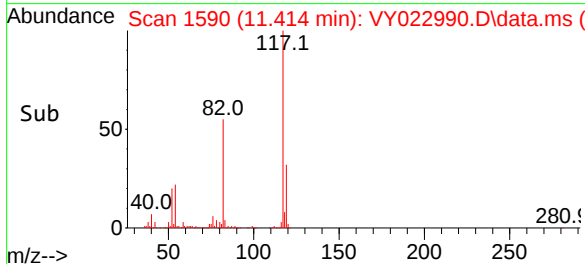
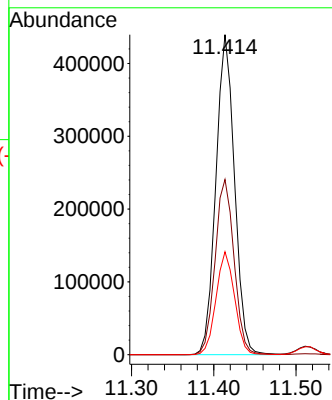
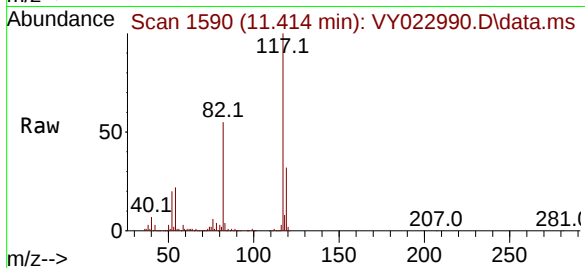
Tgt Ion:117 Resp: 692947

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

119 32.1 25.8 38.8



#64

Tetrachloroethene

Concen: 5.427 ug/l

RT: 10.645 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Tgt Ion:164 Resp: 38436

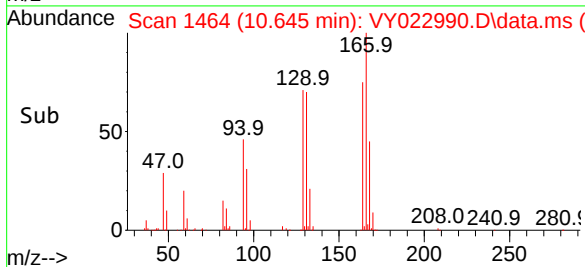
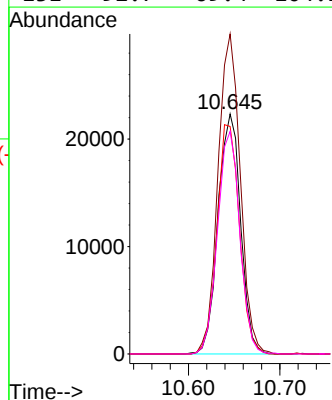
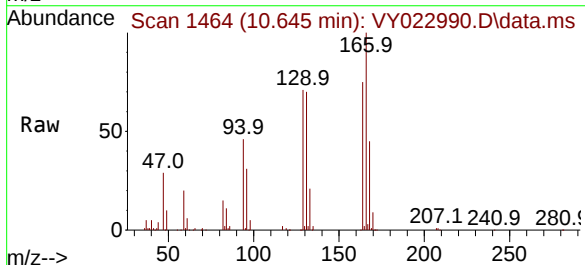
Ion Ratio Lower Upper

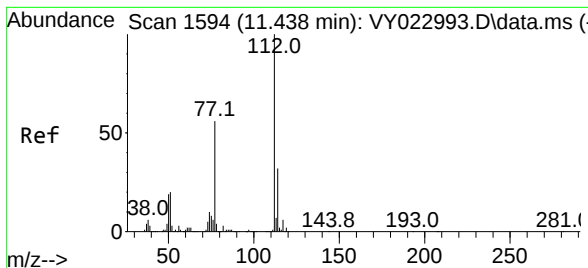
164 100

166 133.3 100.2 150.2

129 94.8 71.7 107.5

131 92.7 69.4 104.2

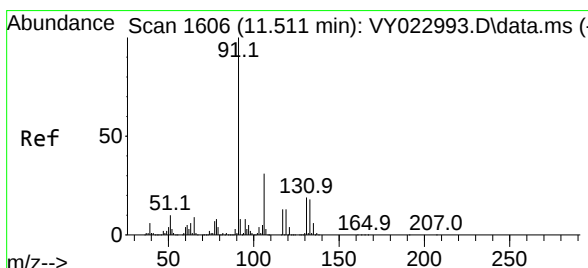
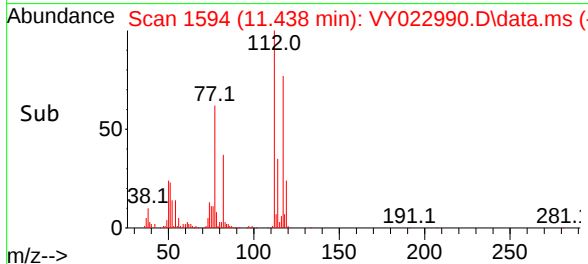
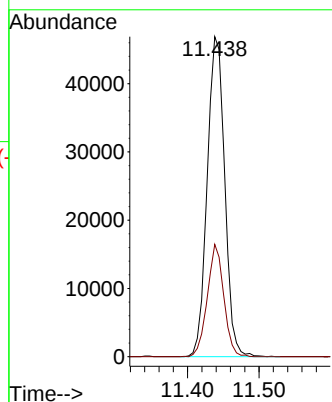
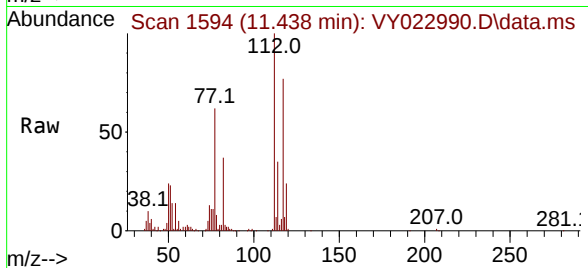




#65  
Chlorobenzene  
Concen: 4.877 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

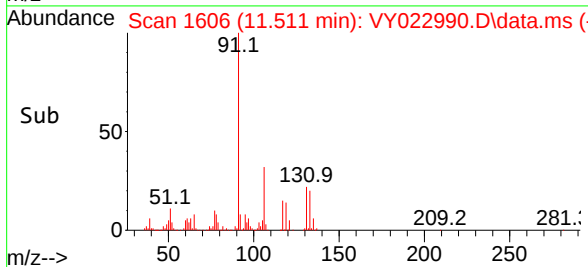
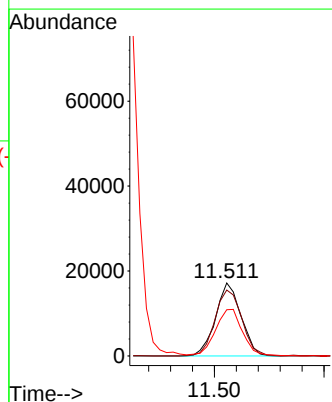
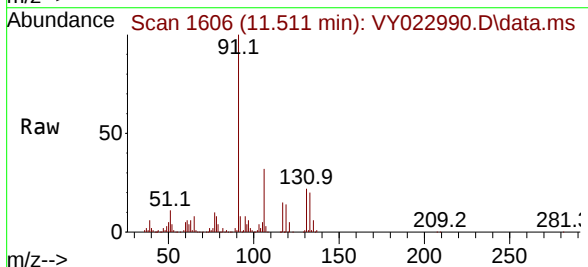
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

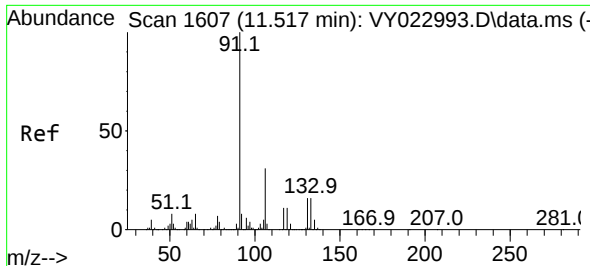
Tgt Ion:112 Resp: 79744  
Ion Ratio Lower Upper  
112 100  
114 35.1 25.4 38.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.957 ug/l  
RT: 11.511 min Scan# 1606  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion:131 Resp: 27645  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.8 143.3  
119 68.6 33.3 99.8

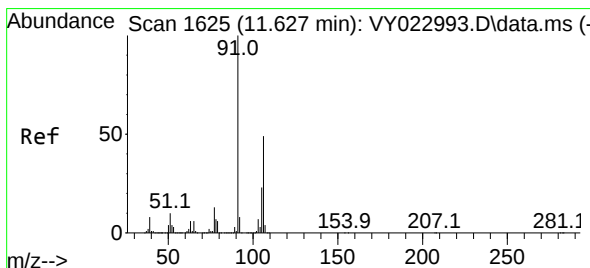
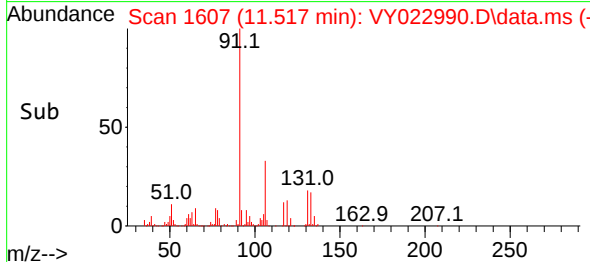
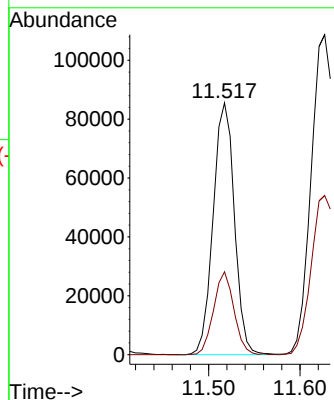
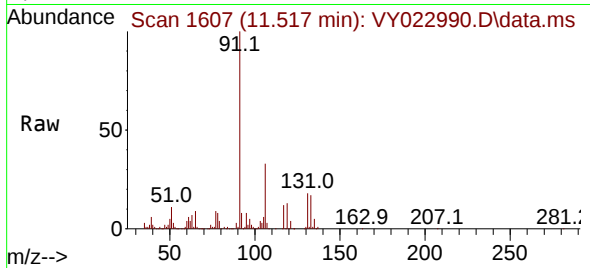




#67  
Ethyl Benzene  
Concen: 4.764 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

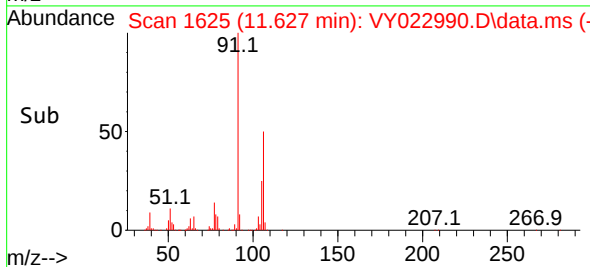
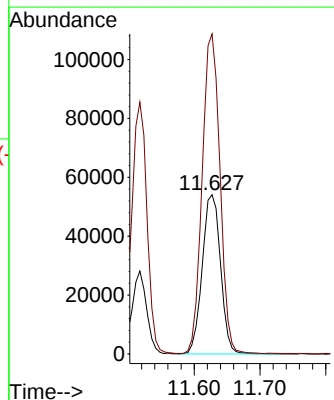
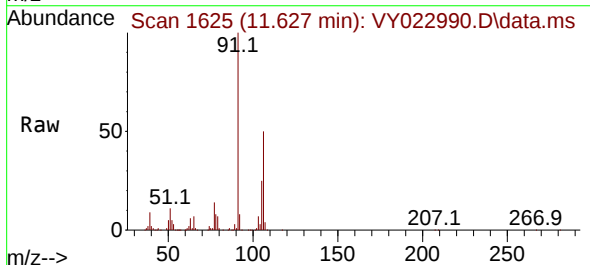
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

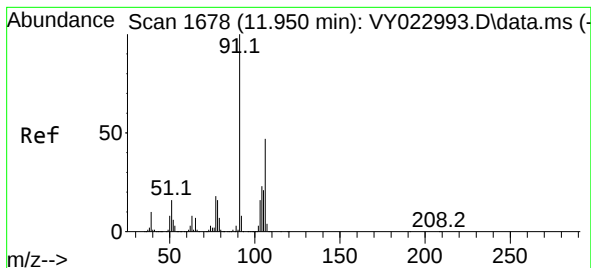
Tgt Ion: 91 Resp: 138078  
Ion Ratio Lower Upper  
91 100  
106 32.9 24.6 37.0



#68  
m/p-Xylenes  
Concen: 9.414 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 106 Resp: 104654  
Ion Ratio Lower Upper  
106 100  
91 195.4 159.8 239.8

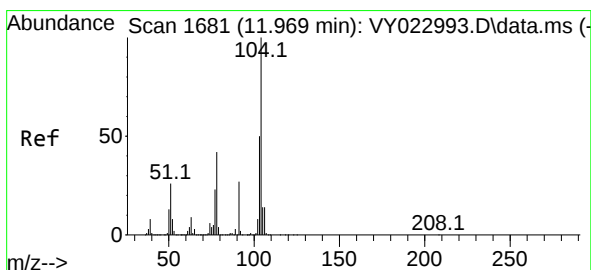
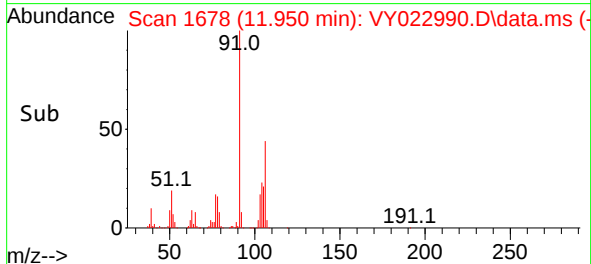
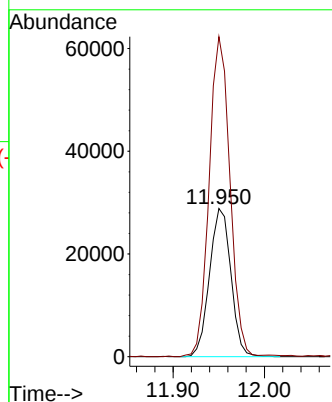
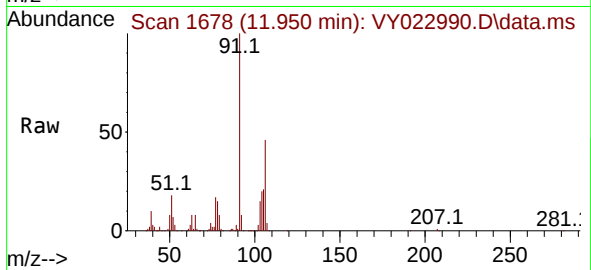




#69  
o-Xylene  
Concen: 4.541 ug/l  
RT: 11.950 min Scan# 1678  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

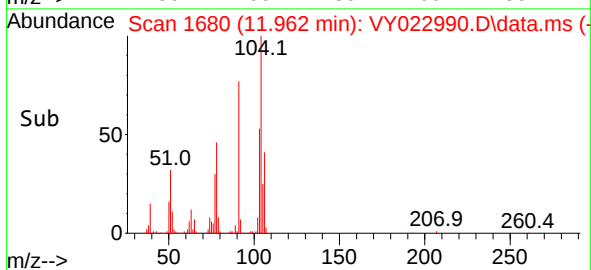
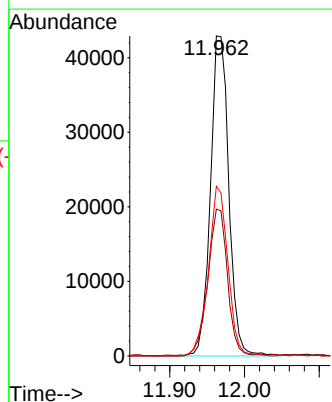
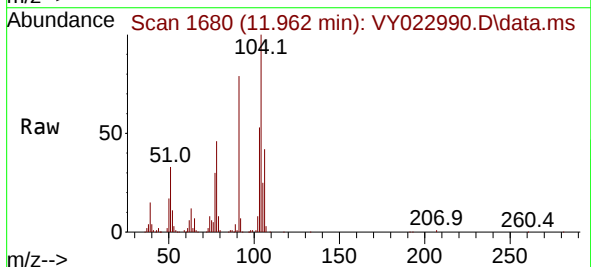
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

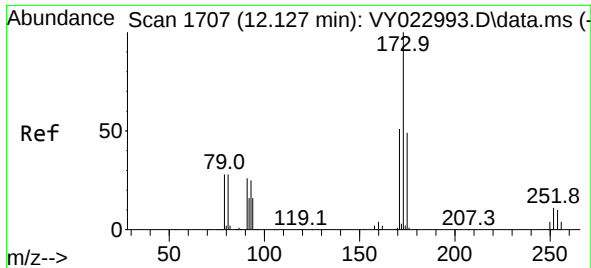
Tgt Ion:106 Resp: 46850  
Ion Ratio Lower Upper  
106 100  
91 210.1 106.3 318.8



#70  
Styrene  
Concen: 4.345 ug/l  
RT: 11.962 min Scan# 1680  
Delta R.T. -0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion:104 Resp: 73426  
Ion Ratio Lower Upper  
104 100  
78 48.6 39.0 58.6  
103 55.9 43.7 65.5

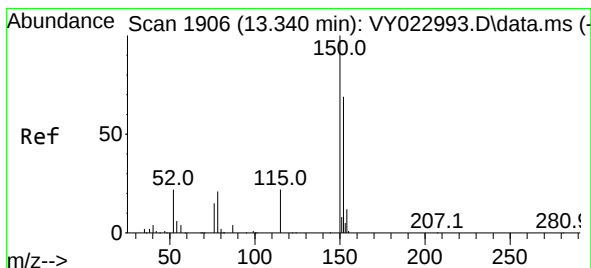
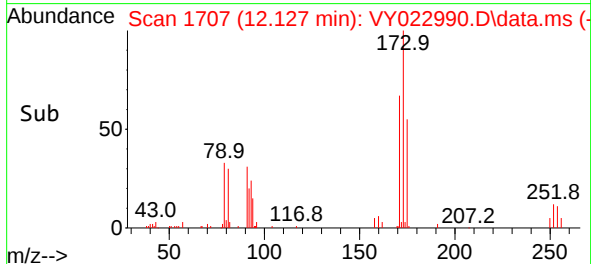
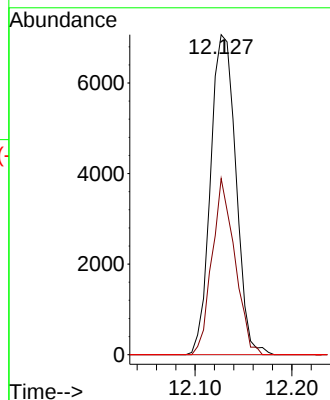
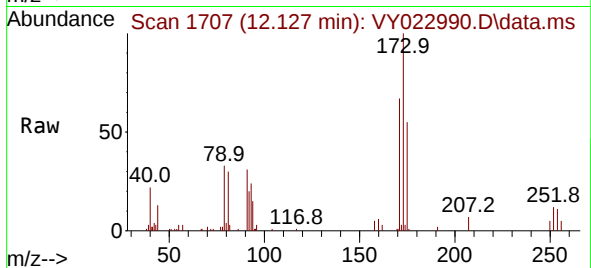




#71  
Bromoform  
Concen: 4.541 ug/l  
RT: 12.127 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

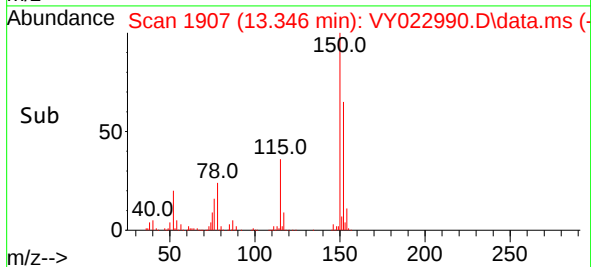
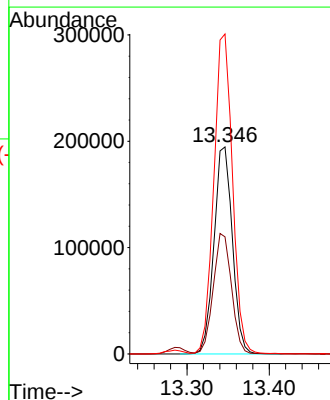
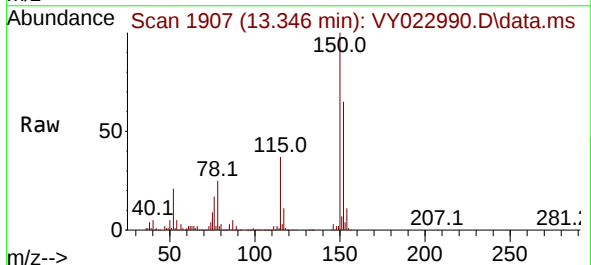
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

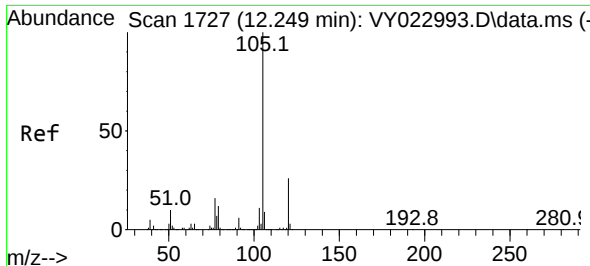
Tgt Ion:173 Resp: 12858  
Ion Ratio Lower Upper  
173 100  
175 49.6 24.6 73.8  
254 0.0 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion:152 Resp: 302335  
Ion Ratio Lower Upper  
152 100  
115 57.6 29.4 88.2  
150 156.9 0.0 350.0

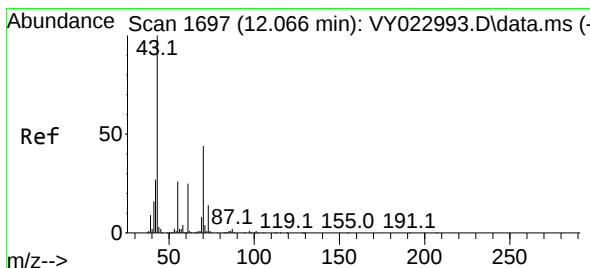
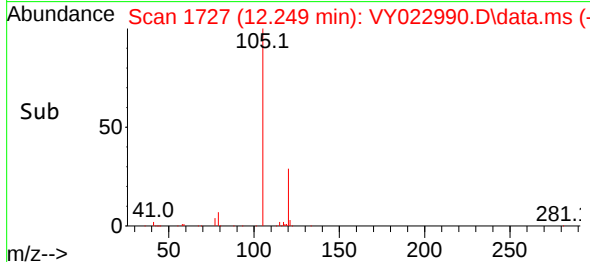
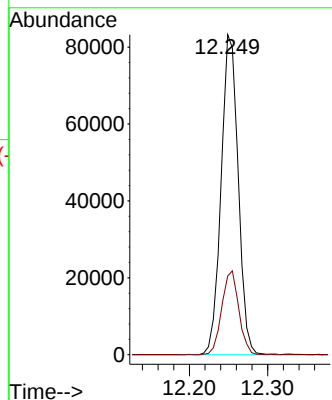
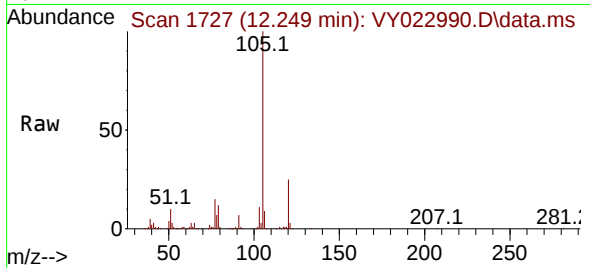




#73  
Isopropylbenzene  
Concen: 4.925 ug/l  
RT: 12.249 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

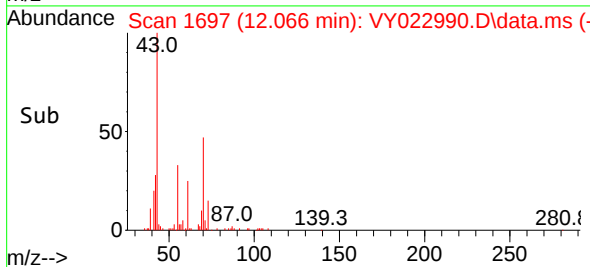
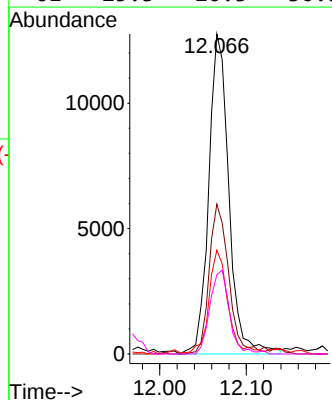
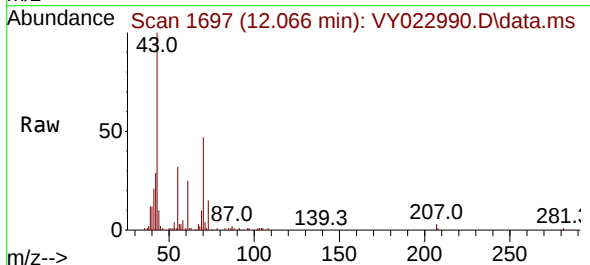
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

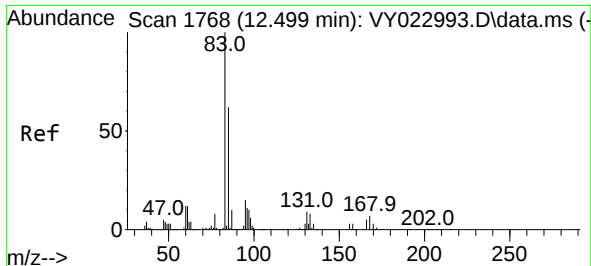
Tgt Ion:105 Resp: 126243  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.2 39.6



#74  
N-ethyl acetate  
Concen: 4.269 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 43 Resp: 20632  
Ion Ratio Lower Upper  
43 100  
70 45.9 36.2 54.2  
55 29.3 20.9 31.3  
61 25.3 20.3 30.5

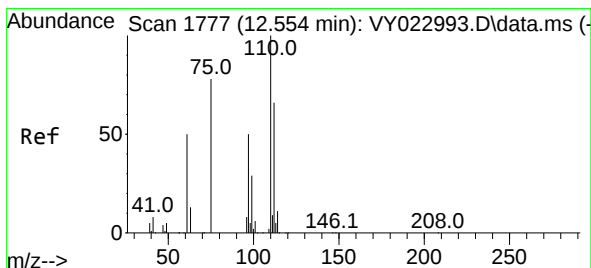
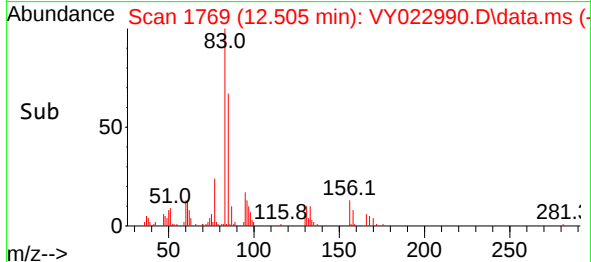
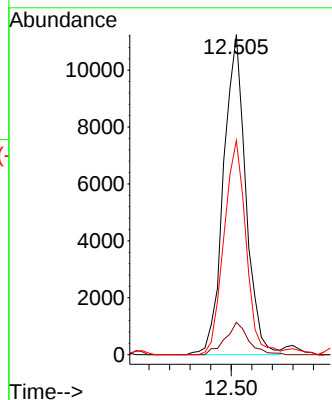
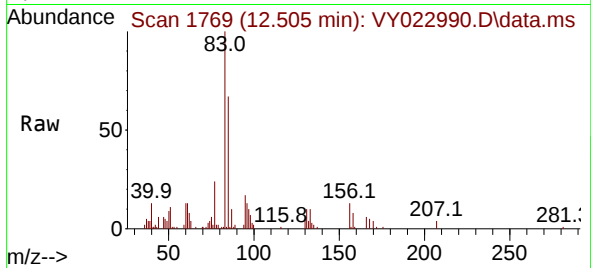




#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.544 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.006 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

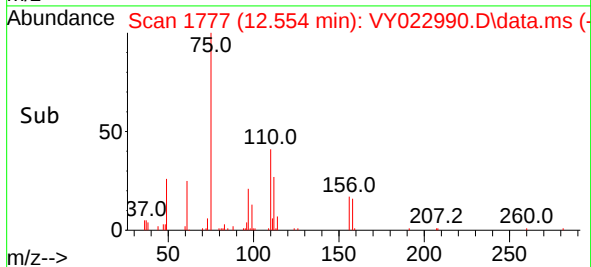
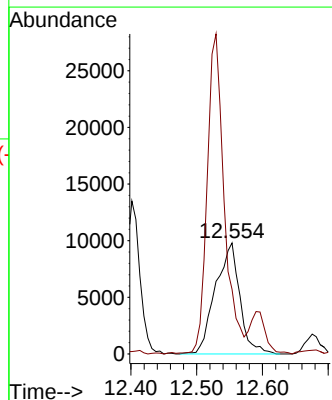
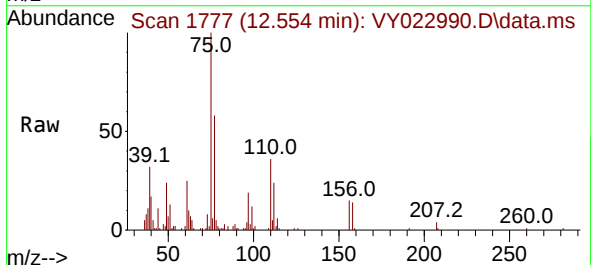
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

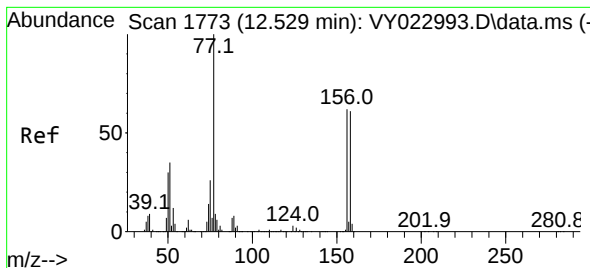
Tgt Ion: 83 Resp: 16857  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.1 15.4  
85 66.5 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 6.710 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 75 Resp: 25279  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.942 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

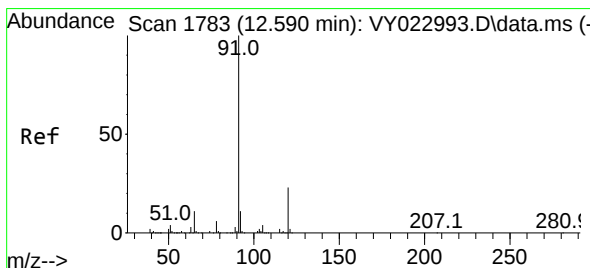
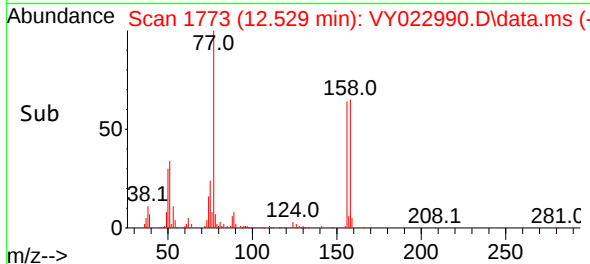
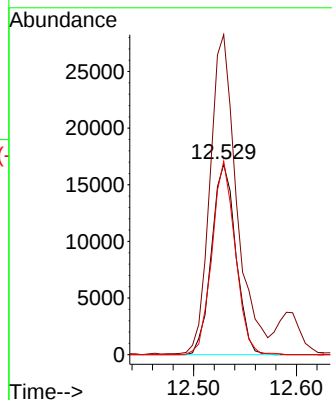
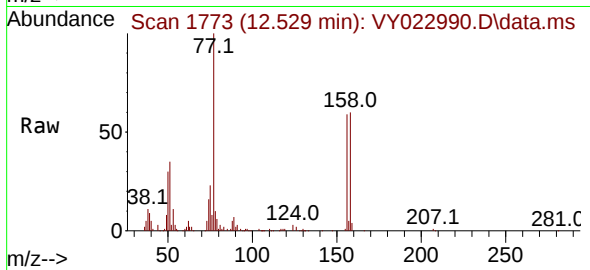
Tgt Ion:156 Resp: 27477

Ion Ratio Lower Upper

156 100

77 184.8 92.0 276.1

158 97.7 48.6 145.9



#78

n-propylbenzene

Concen: 4.939 ug/l

RT: 12.590 min Scan# 1783

Delta R.T. -0.000 min

Lab File: VY022990.D

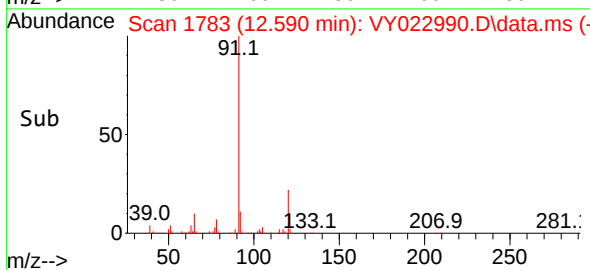
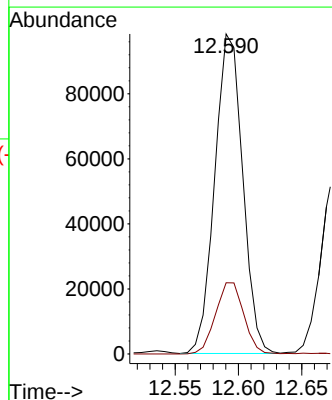
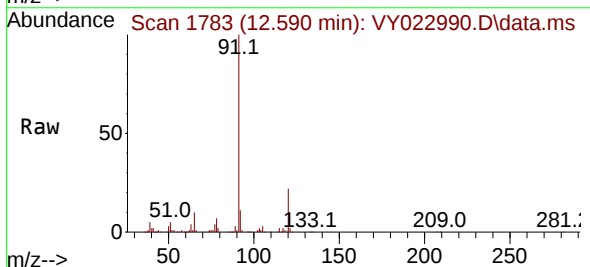
Acq: 18 Jul 2025 10:08

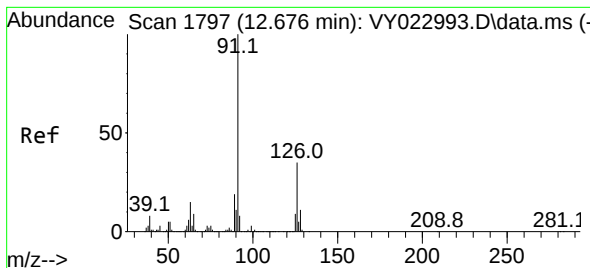
Tgt Ion: 91 Resp: 150755

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.8

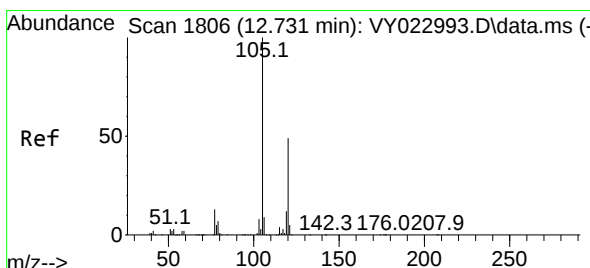
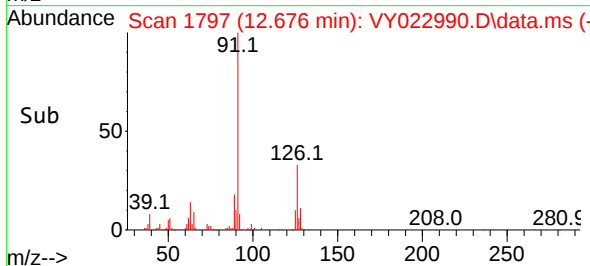
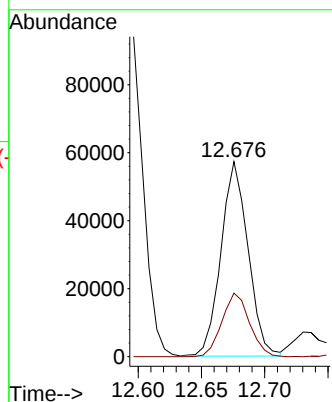
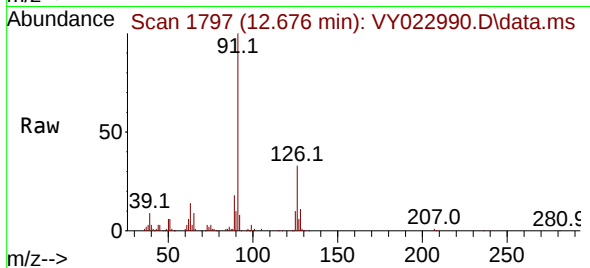




#79  
2-Chlorotoluene  
Concen: 4.965 ug/l  
RT: 12.676 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

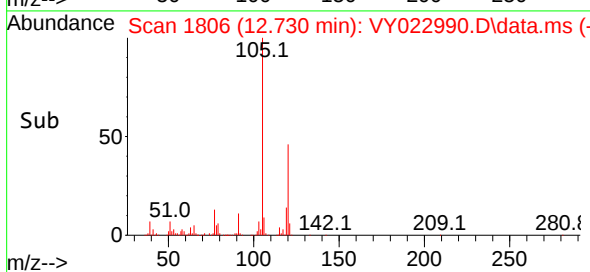
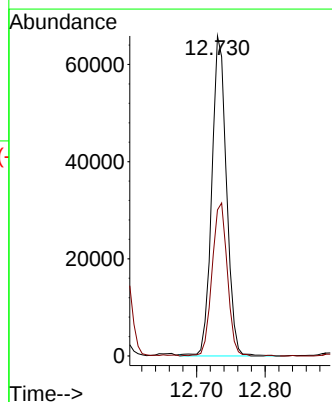
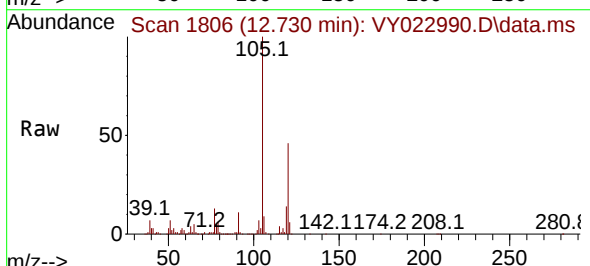
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

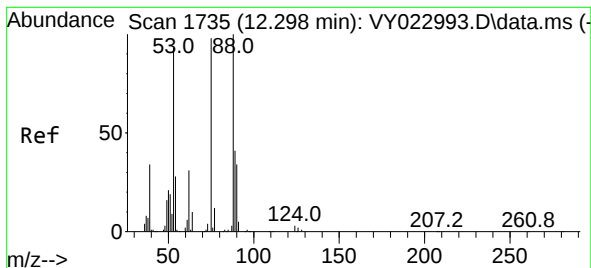
Tgt Ion: 91 Resp: 85237  
Ion Ratio Lower Upper  
91 100  
126 33.2 17.0 50.9



#80  
1,3,5-Trimethylbenzene  
Concen: 4.852 ug/l  
RT: 12.730 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 105 Resp: 98096  
Ion Ratio Lower Upper  
105 100  
120 49.5 24.6 73.8

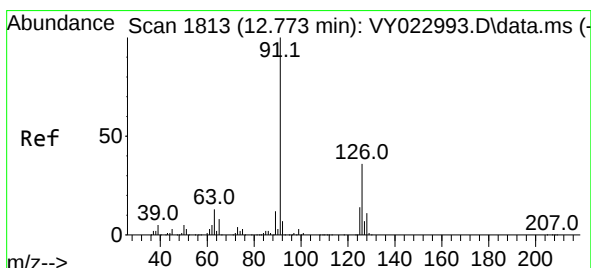
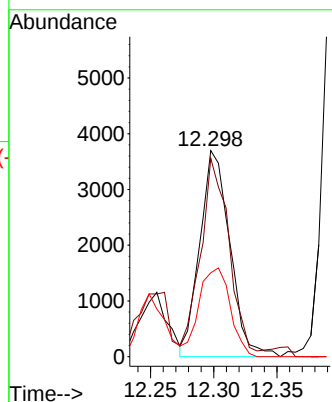
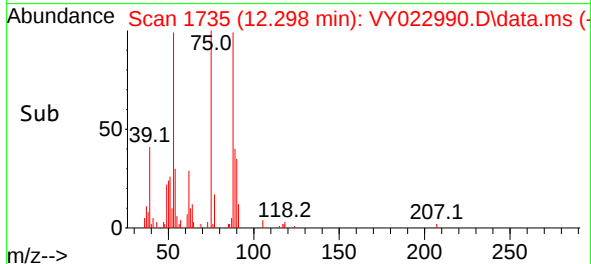
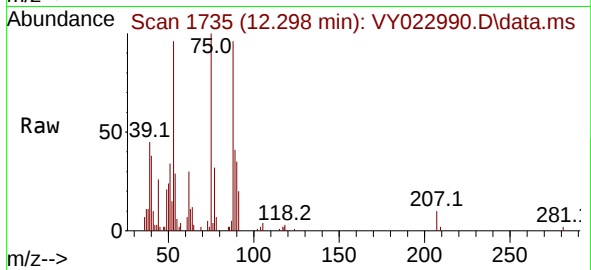




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.843 ug/l  
RT: 12.298 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

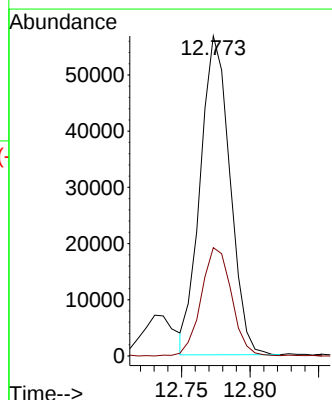
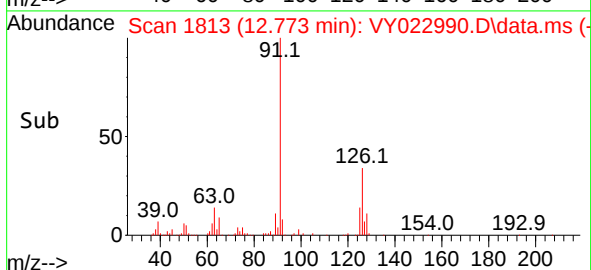
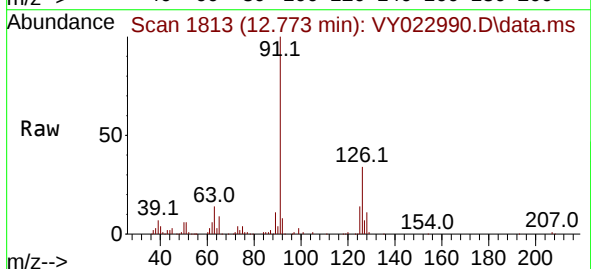
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

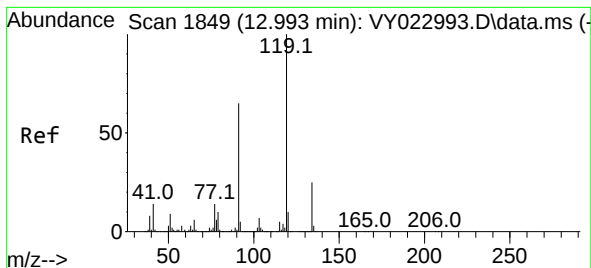
Tgt Ion: 75 Resp: 6126  
Ion Ratio Lower Upper  
75 100  
53 91.8 76.1 114.1  
89 44.8 36.1 54.1



#82  
4-Chlorotoluene  
Concen: 4.935 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 91 Resp: 85449  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.2 51.5





#83

tert-Butylbenzene

Concen: 4.961 ug/l

RT: 12.993 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

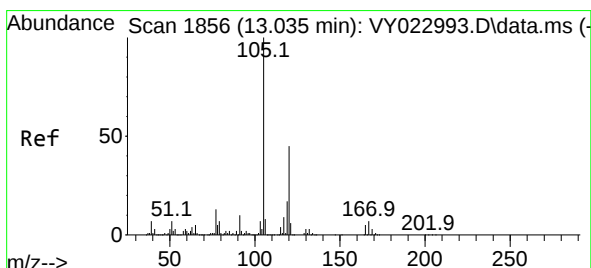
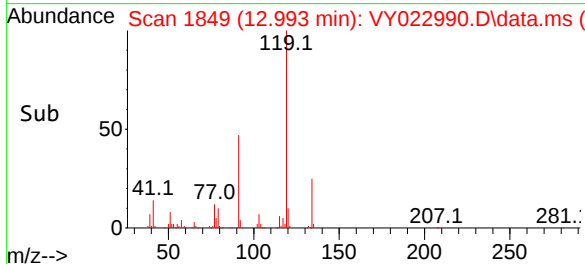
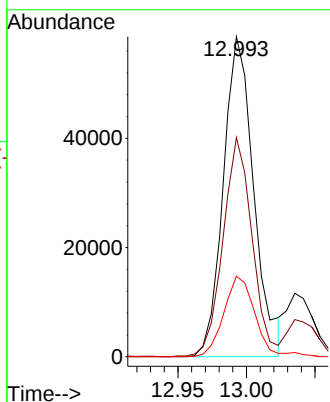
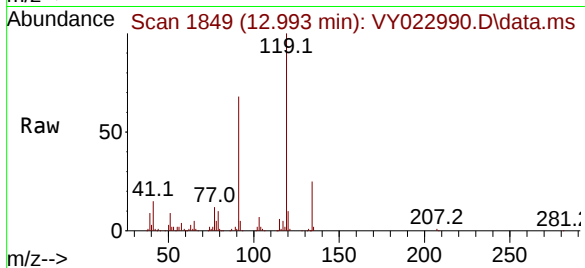
Tgt Ion:119 Resp: 90600

Ion Ratio Lower Upper

119 100

91 65.5 32.0 96.2

134 25.8 12.6 37.6



#84

1,2,4-Trimethylbenzene

Concen: 4.782 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY022990.D

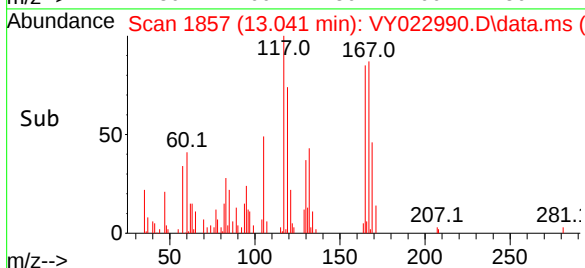
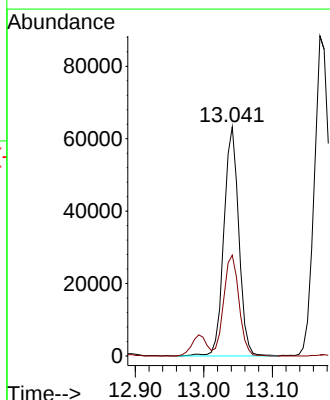
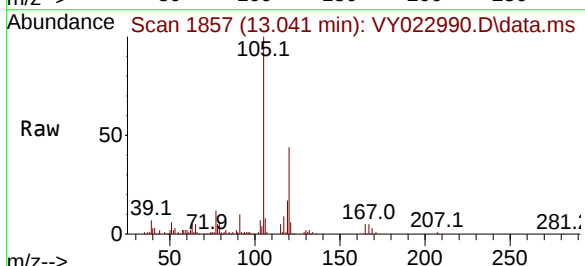
Acq: 18 Jul 2025 10:08

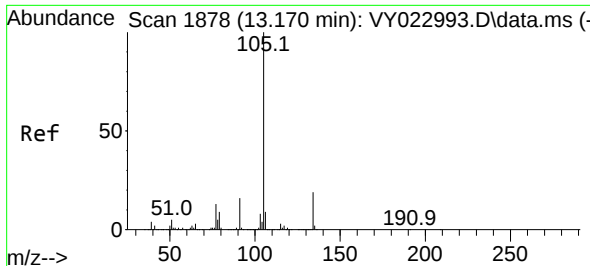
Tgt Ion:105 Resp: 95160

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.8

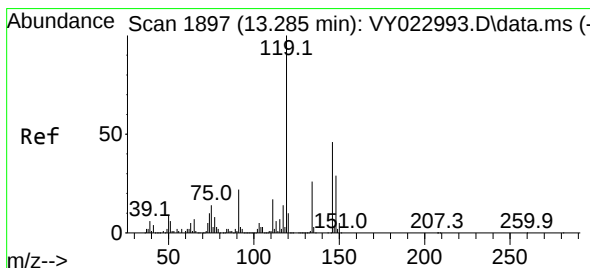
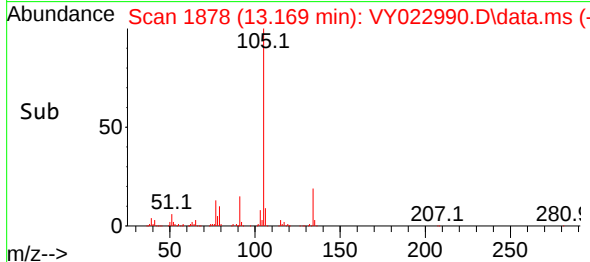
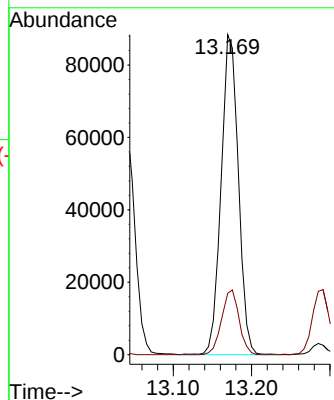
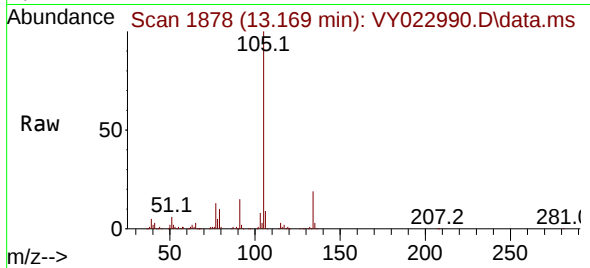




#85  
 sec-Butylbenzene  
 Concen: 4.953 ug/l  
 RT: 13.169 min Scan# 1878  
 Delta R.T. -0.000 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

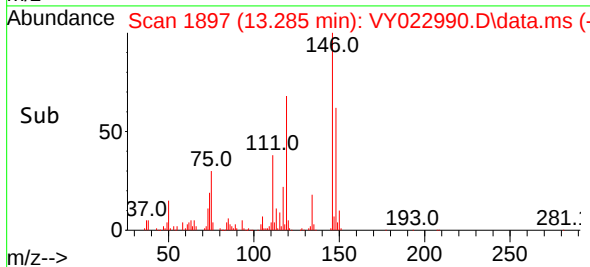
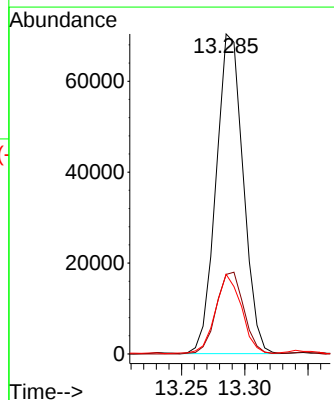
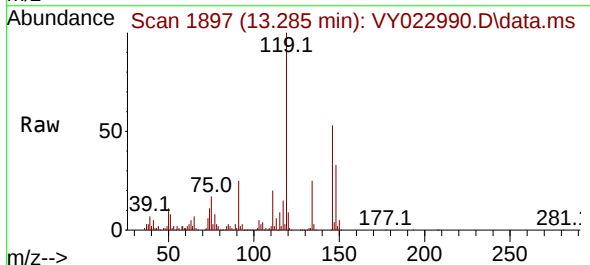
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

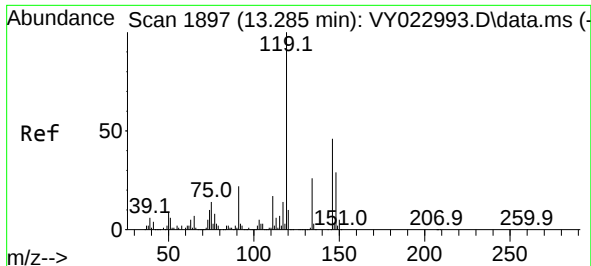
Tgt Ion:105 Resp: 135535  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 9.8 29.5



#86  
 p-Isopropyltoluene  
 Concen: 4.717 ug/l  
 RT: 13.285 min Scan# 1897  
 Delta R.T. -0.000 min  
 Lab File: VY022990.D  
 Acq: 18 Jul 2025 10:08

Tgt Ion:119 Resp: 104828  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.1 39.1  
 91 23.8 11.4 34.1

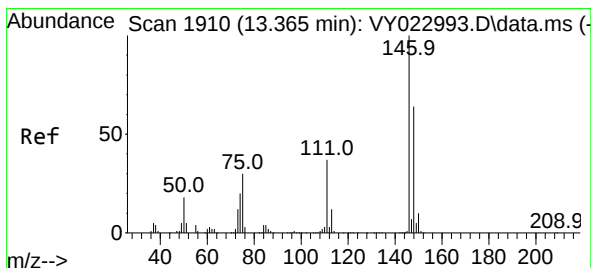
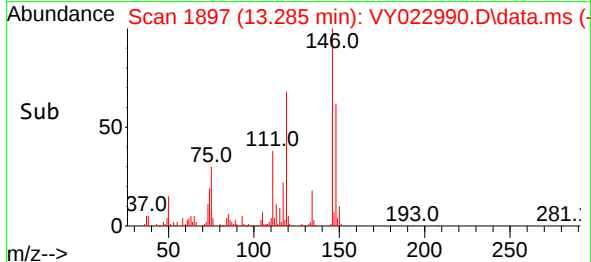
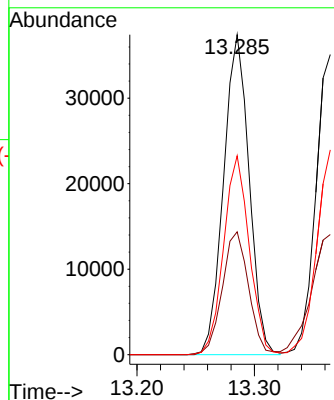
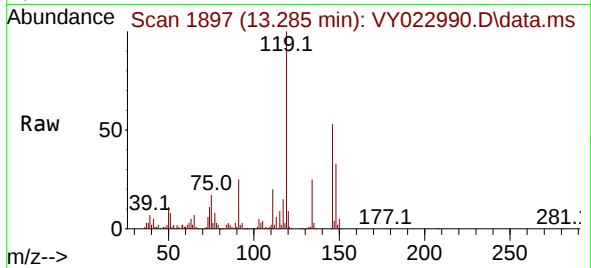




#87  
1,3-Dichlorobenzene  
Concen: 5.043 ug/l  
RT: 13.285 min Scan# 1897  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

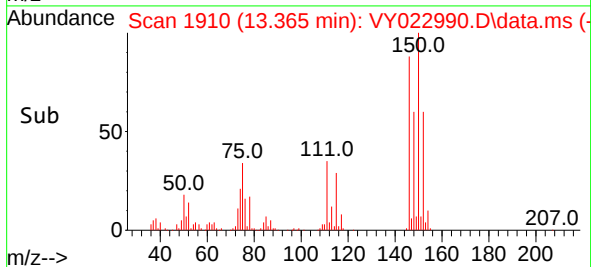
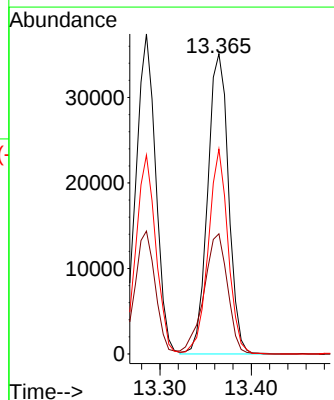
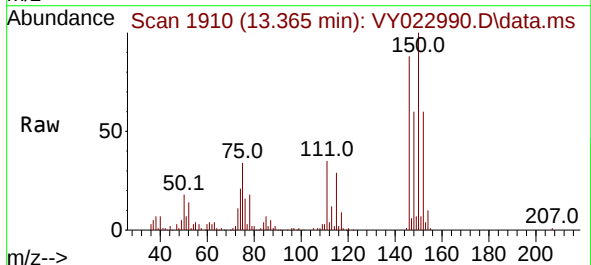
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

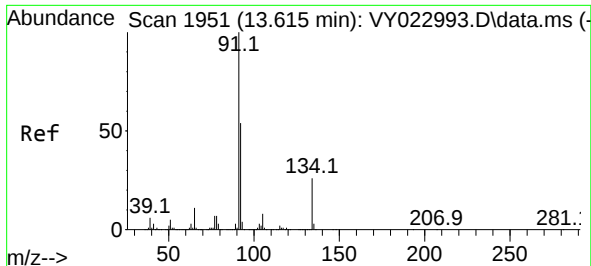
Tgt Ion:146 Resp: 56578  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.8 59.3  
148 62.5 31.6 94.8



#88  
1,4-Dichlorobenzene  
Concen: 5.121 ug/l  
RT: 13.365 min Scan# 1910  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion:146 Resp: 55584  
Ion Ratio Lower Upper  
146 100  
111 45.7 19.2 57.6  
148 64.8 31.9 95.5

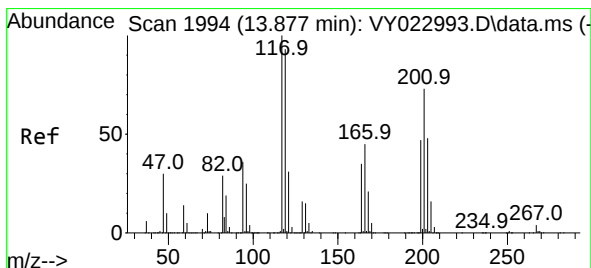
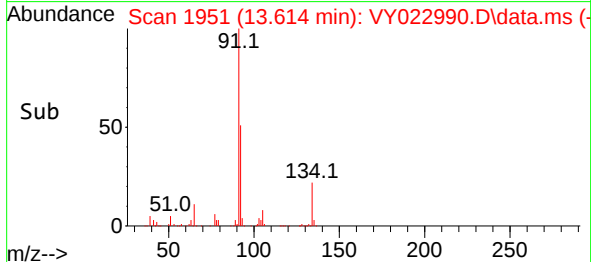
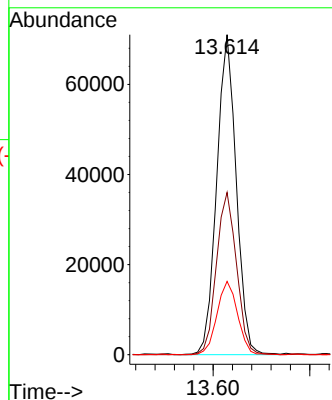
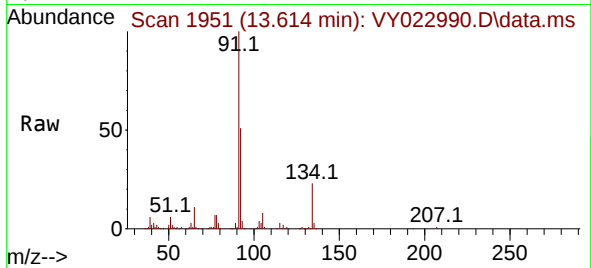




#89  
n-Butylbenzene  
Concen: 4.850 ug/l  
RT: 13.614 min Scan# 1951  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

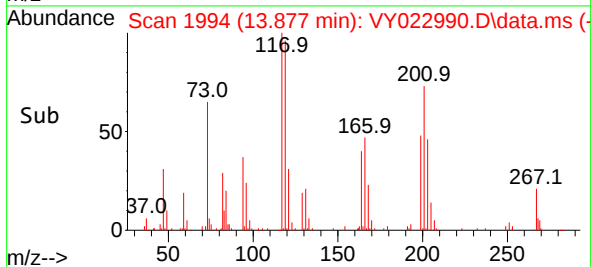
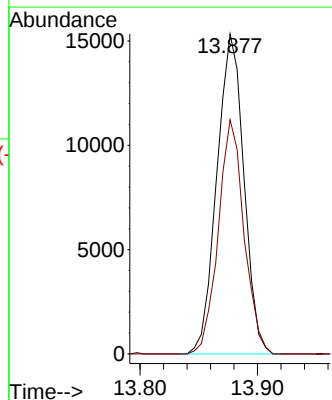
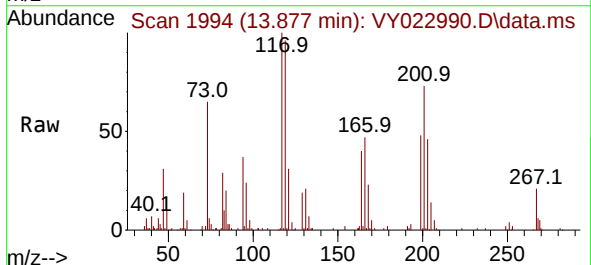
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

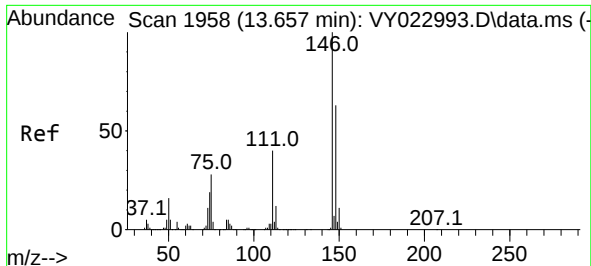
Tgt Ion: 91 Resp: 99472  
Ion Ratio Lower Upper  
91 100  
92 52.0 26.6 79.7  
134 24.2 12.6 37.6



#90  
Hexachloroethane  
Concen: 5.310 ug/l  
RT: 13.877 min Scan# 1994  
Delta R.T. -0.000 min  
Lab File: VY022990.D  
Acq: 18 Jul 2025 10:08

Tgt Ion: 117 Resp: 24435  
Ion Ratio Lower Upper  
117 100  
201 69.9 36.1 108.5





#91

1,2-Dichlorobenzene

Concen: 5.076 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

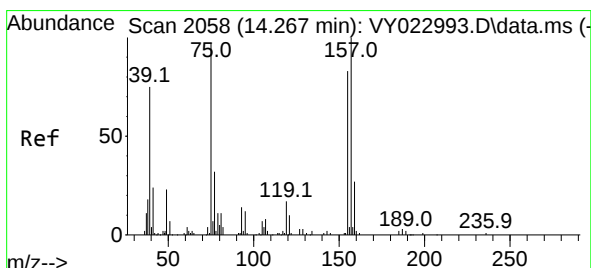
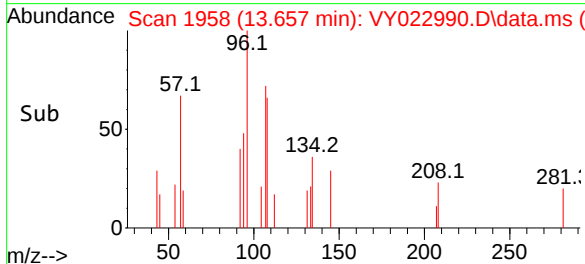
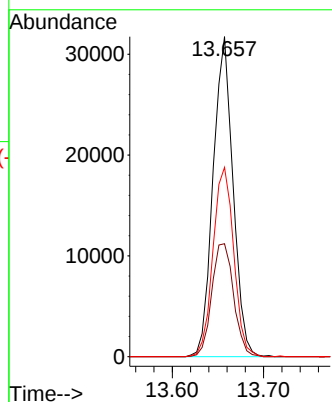
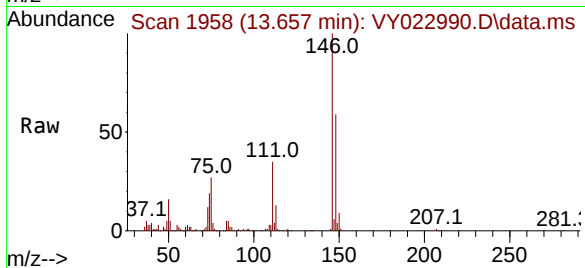
Tgt Ion:146 Resp: 48036

Ion Ratio Lower Upper

146 100

111 38.7 20.3 61.0

148 61.6 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.626 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

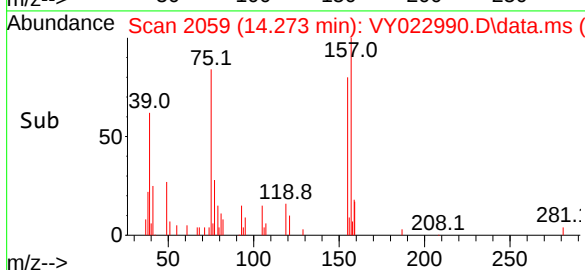
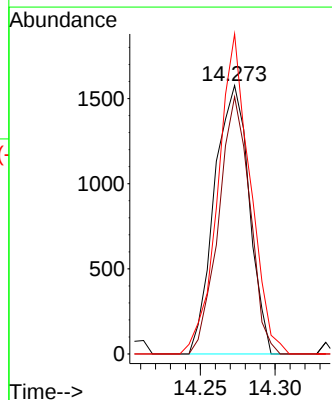
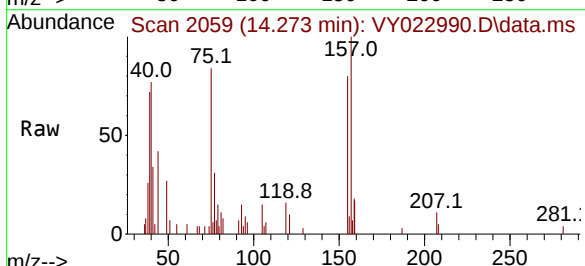
Tgt Ion: 75 Resp: 2548

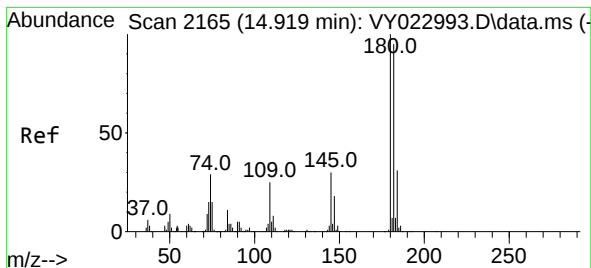
Ion Ratio Lower Upper

75 100

155 86.1 42.8 128.3

157 110.1 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 4.732 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

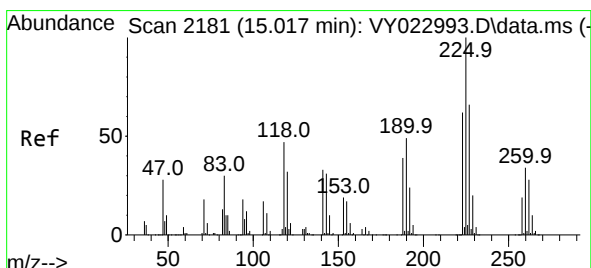
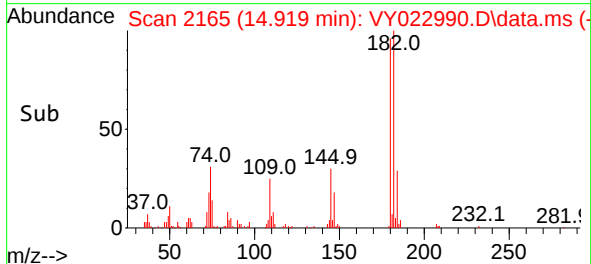
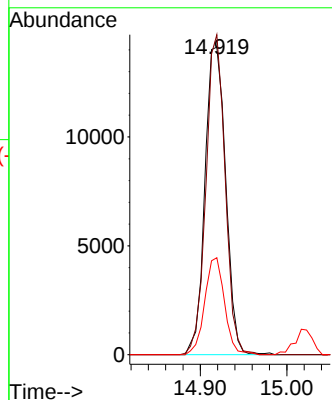
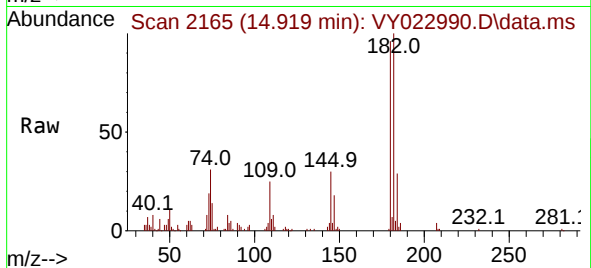
Tgt Ion:180 Resp: 23607

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.5

145 30.0 14.9 44.9



#94

Hexachlorobutadiene

Concen: 5.583 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

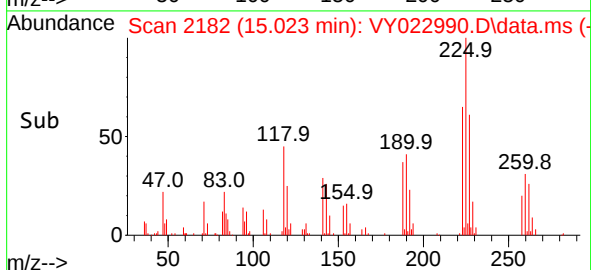
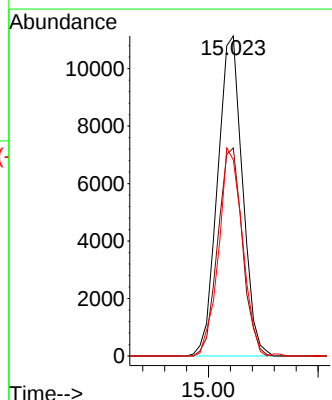
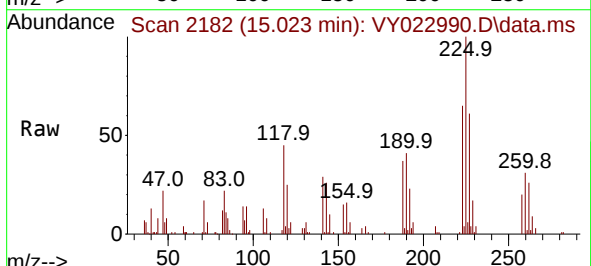
Tgt Ion:225 Resp: 17559

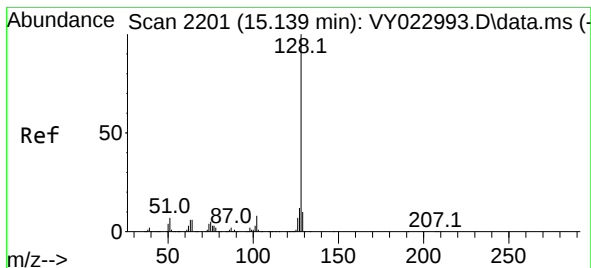
Ion Ratio Lower Upper

225 100

223 64.1 31.4 94.0

227 62.3 32.1 96.5





#95

Naphthalene

Concen: 3.885 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

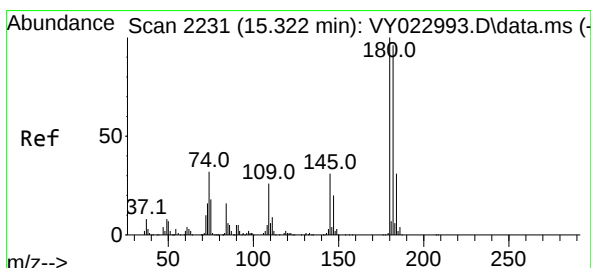
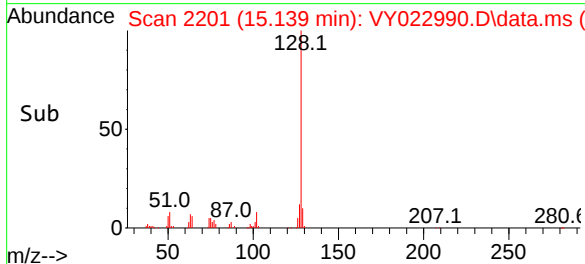
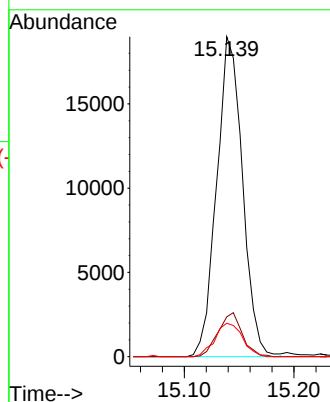
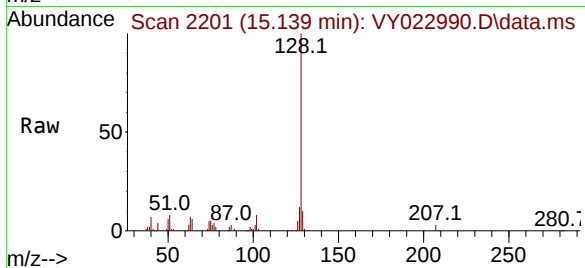
Tgt Ion:128 Resp: 31085

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.606 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY022990.D

Acq: 18 Jul 2025 10:08

Tgt Ion:180 Resp: 18973

Ion Ratio Lower Upper

180 100

182 93.3 47.3 142.0

145 31.5 15.8 47.4

