

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052725\  
 Data File : VY022438.D  
 Acq On : 27 May 2025 17:10  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 28 15:28:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 215940   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 364513   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 319704   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 153246   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 120665   | 53.051   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.100% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 110847   | 51.926   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.860% |      |
| 50) Toluene-d8              | 10.103 | 98    | 447277   | 51.398   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.800% |      |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 133956   | 50.890   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 101.780% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 91750   | 44.534  | ug/l   | 100 |
| 3) Chloromethane             | 2.068 | 50  | 238761  | 47.114  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.202 | 62  | 329758  | 53.564  | ug/l   | 98  |
| 5) Bromomethane              | 2.592 | 94  | 278873  | 49.847  | ug/l   | 100 |
| 6) Chloroethane              | 2.732 | 64  | 227784  | 56.621  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.050 | 101 | 293801  | 56.563  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.452 | 74  | 64970   | 54.247  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 113521  | 49.816  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.001 | 142 | 133073  | 51.761  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.866 | 59  | 47457   | 296.007 | ug/l # | 84  |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 114561  | 50.636  | ug/l   | 98  |
| 13) Acrolein                 | 3.653 | 56  | 62039   | 258.255 | ug/l   | 99  |
| 14) Allyl chloride           | 4.385 | 41  | 173903  | 51.098  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.055 | 53  | 137130  | 284.055 | ug/l   | 99  |
| 16) Acetone                  | 3.873 | 43  | 103688  | 277.421 | ug/l # | 89  |
| 17) Carbon Disulfide         | 4.104 | 76  | 358889  | 49.708  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 97215   | 69.436  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 327791  | 54.572  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.610 | 84  | 132094  | 50.049  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 125968  | 51.000  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.018 | 45  | 397757  | 52.955  | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.958 | 43  | 1085430 | 251.677 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 231541  | 52.168  | ug/l   | 100 |
| 25) 2-Butanone               | 6.896 | 43  | 177609  | 285.333 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 194187  | 48.319  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 148685  | 51.999  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.244 | 49  | 101033  | 54.514  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.262 | 42  | 118500  | 285.450 | ug/l   | 99  |
| 30) Chloroform               | 7.421 | 83  | 233553  | 53.403  | ug/l   | 99  |
| 31) Cyclohexane              | 7.701 | 56  | 205414  | 46.951  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 201031  | 50.648  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 168238  | 49.665  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 77550   | 53.869  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 179005  | 50.728  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.109 | 83  | 220257  | 48.915  | ug/l   | 98  |
| 40) Benzene                  | 8.079 | 78  | 522962  | 51.884  | ug/l   | 98  |

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 Acq On : 27 May 2025 17:10  
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 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 28 15:28:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 47932    | 54.858   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 141760   | 53.251   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 174194   | 55.374   | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 129953   | 52.154   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 125086   | 52.819   | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 70737    | 53.469   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 180193   | 52.966   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 83183    | 56.964   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.231  | 88   | 18170    | 1243.469 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 454081   | 292.551  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 330369   | 52.475   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 167640   | 52.902   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 194643   | 52.274   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 90934    | 54.365   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 130742   | 54.468   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 160238   | 54.362   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 337645   | 282.246  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 300417   | 295.339  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.908 | 129  | 117196   | 54.851   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 84983    | 55.550   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 140398   | 51.564   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.438 | 112  | 348144   | 51.070   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 118142   | 51.150   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 640745   | 50.620   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 485062   | 101.074  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 231722   | 51.375   | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 391490   | 52.127   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 64997    | 53.724   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 588766   | 48.816   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 151521   | 51.341   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 99990    | 52.620   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 139022   | 90.568   | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 128001   | 49.317   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 714786   | 49.384   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 386484   | 49.327   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 470592   | 49.937   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 33779    | 49.765   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 396857   | 49.180   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 425162   | 49.935   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 474294   | 50.013   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 628153   | 49.747   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 523705   | 49.668   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 260669   | 49.914   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 252310   | 50.528   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 491561   | 49.721   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 105769   | 50.407   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 227011   | 52.043   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 16260    | 55.375   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 124984   | 51.685   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 63507    | 50.042   | ug/l   | 97       |
| 95) Naphthalene               | 15.139 | 128  | 252996   | 56.592   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 106651   | 53.776   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 28 15:28:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 28 10:34:06 2025  
Response via : Initial Calibration

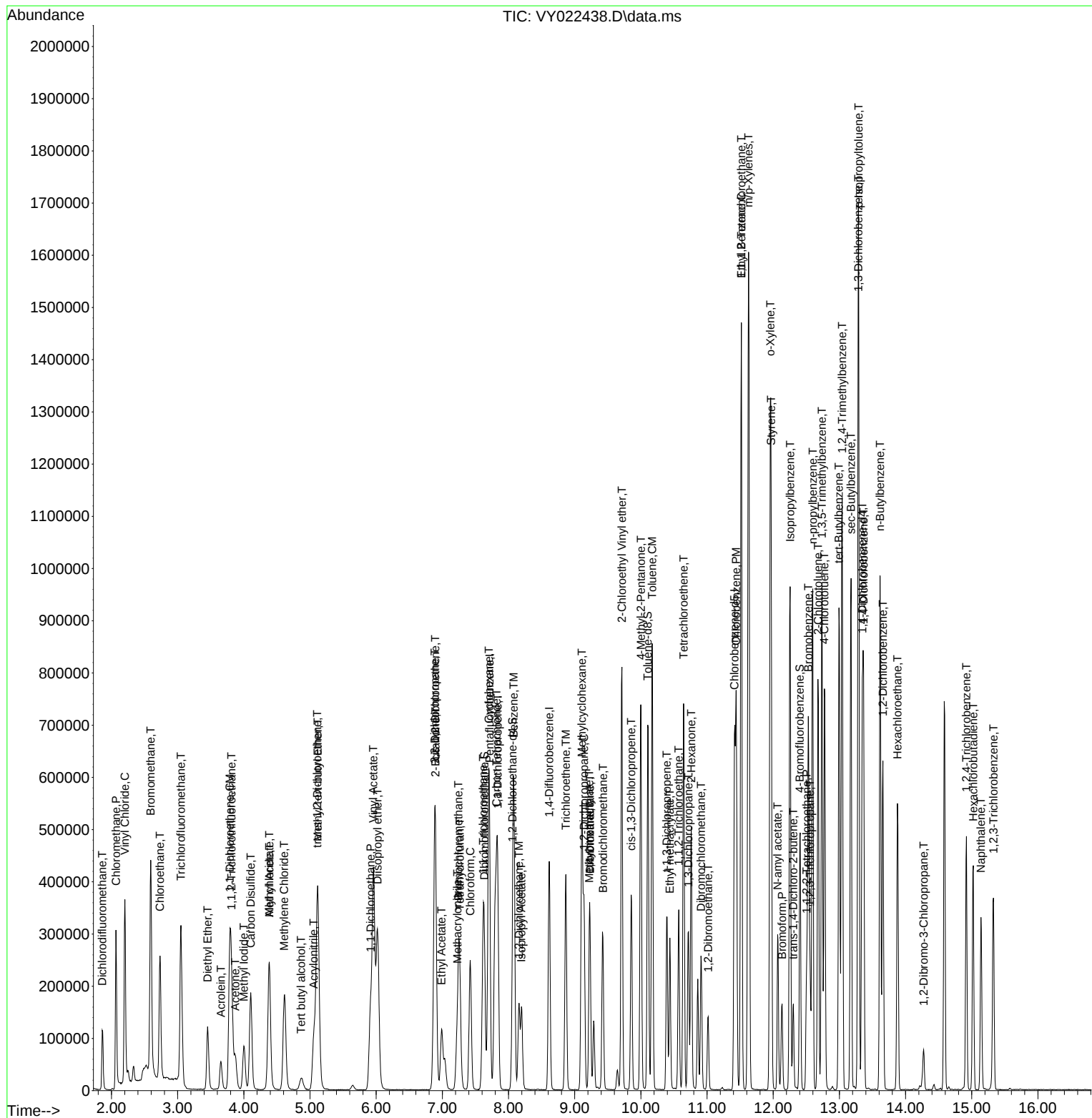
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

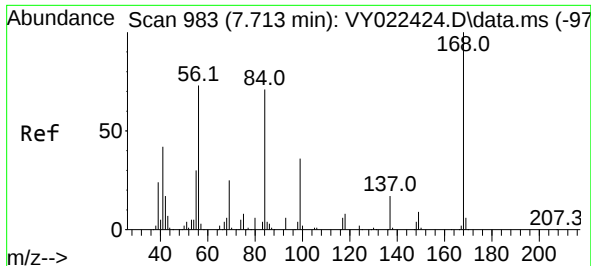
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

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 QLast Update : Wed May 28 10:34:06 2025  
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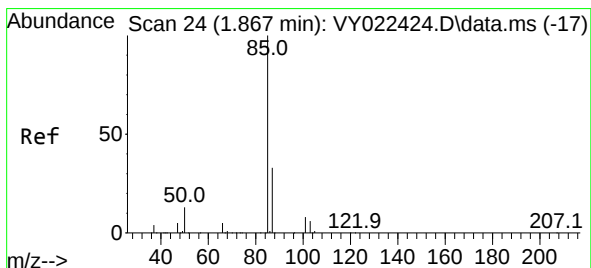
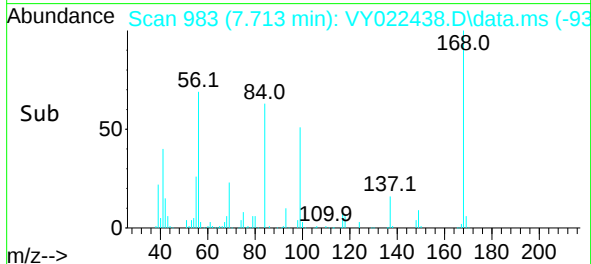
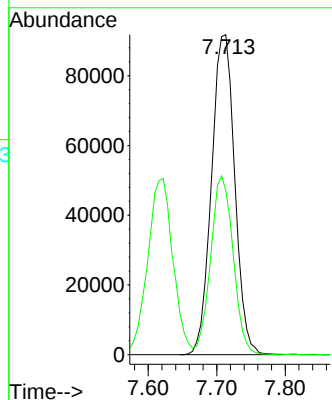
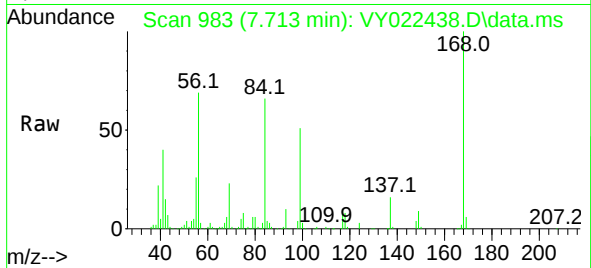




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

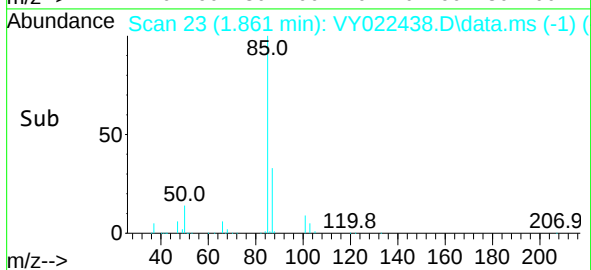
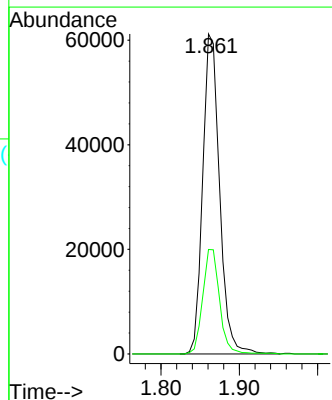
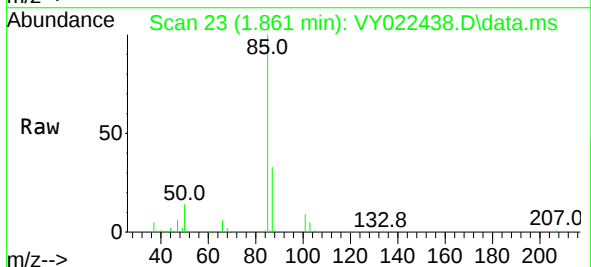
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

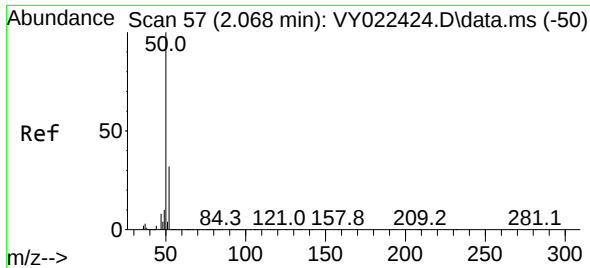
Tgt Ion:168 Resp: 215940  
Ion Ratio Lower Upper  
168 100  
99 51.2 44.7 67.1



#2  
Dichlorodifluoromethane  
Concen: 44.534 ug/l  
RT: 1.861 min Scan# 23  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 85 Resp: 91750  
Ion Ratio Lower Upper  
85 100  
87 32.6 16.4 49.2

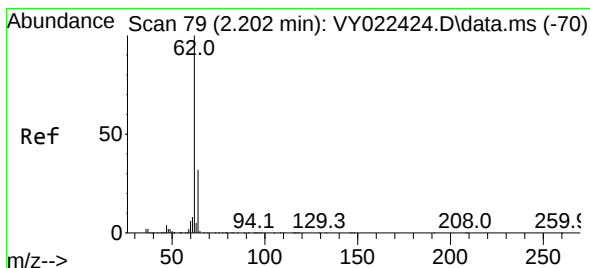
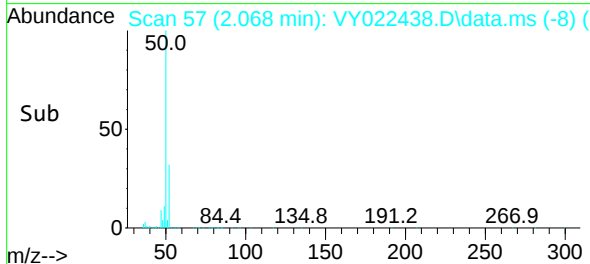
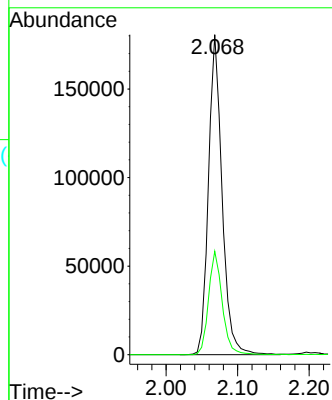
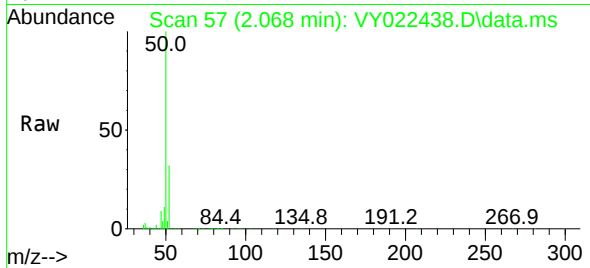




#3  
Chloromethane  
Concen: 47.114 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

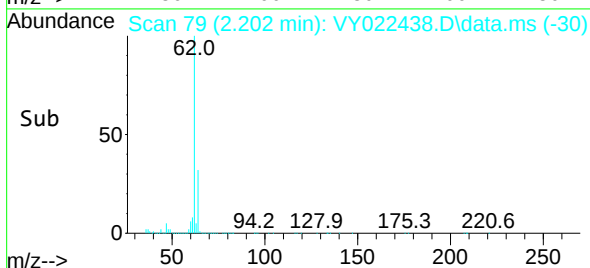
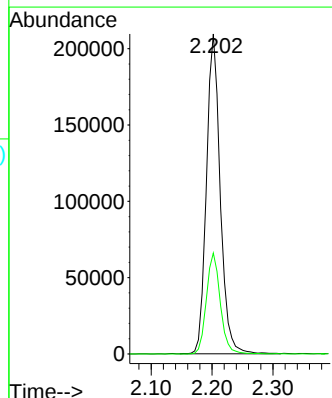
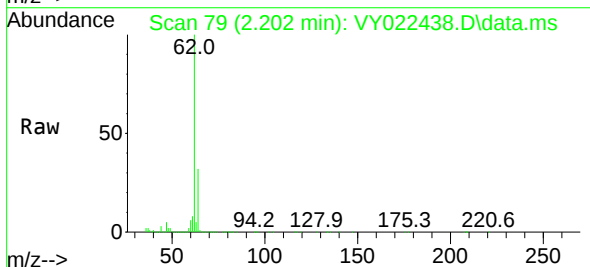
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

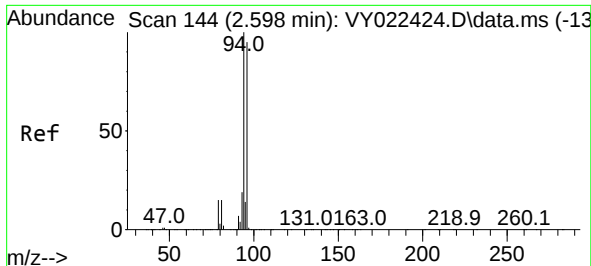
Tgt Ion: 50 Resp: 238761  
Ion Ratio Lower Upper  
50 100  
52 32.3 25.5 38.3



#4  
Vinyl Chloride  
Concen: 53.564 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 62 Resp: 329758  
Ion Ratio Lower Upper  
62 100  
64 31.6 26.0 39.0

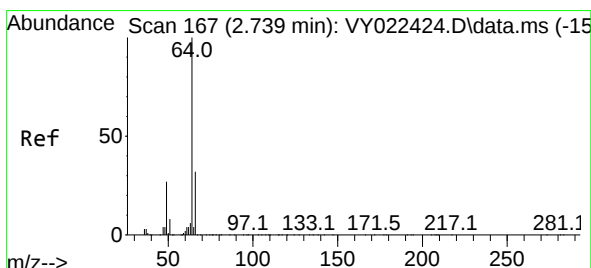
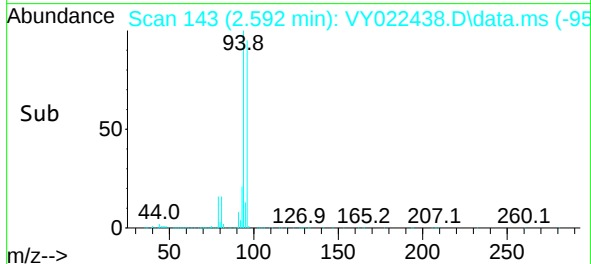
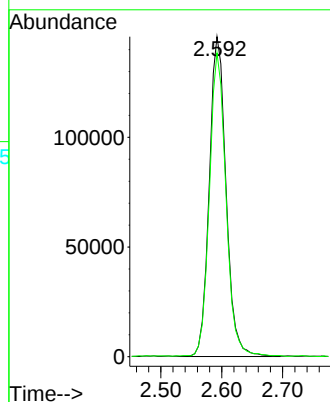
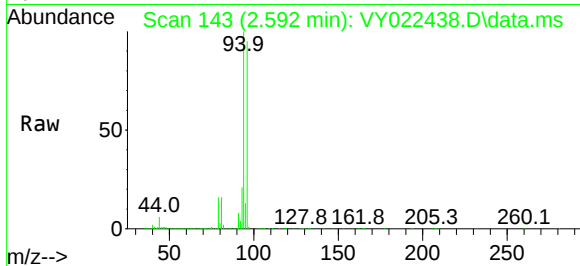




#5  
Bromomethane  
Concen: 49.847 ug/l  
RT: 2.592 min Scan# 144  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

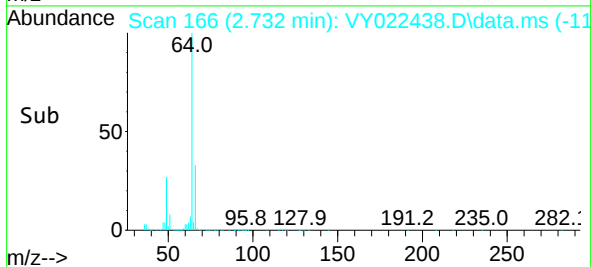
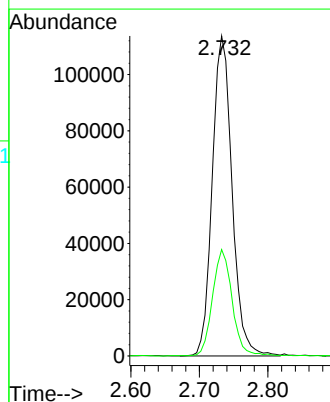
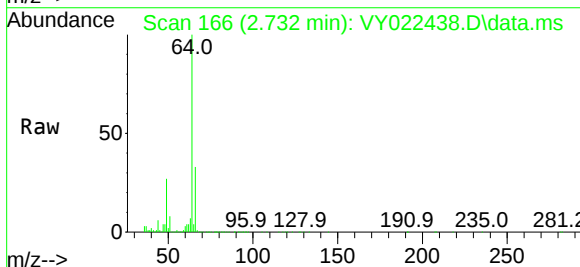
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

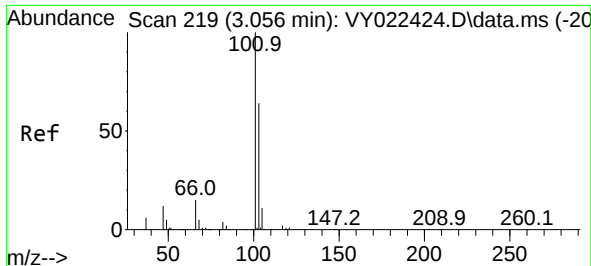
Tgt Ion: 94 Resp: 278873  
Ion Ratio Lower Upper  
94 100  
96 94.8 76.0 114.0



#6  
Chloroethane  
Concen: 56.621 ug/l  
RT: 2.732 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 64 Resp: 227784  
Ion Ratio Lower Upper  
64 100  
66 33.1 25.9 38.9

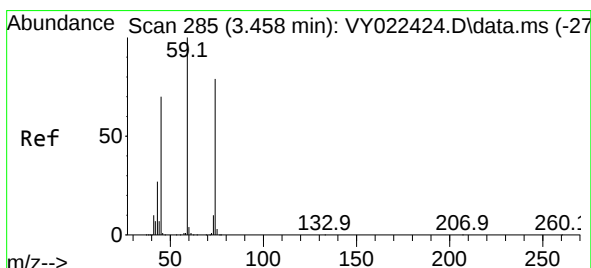
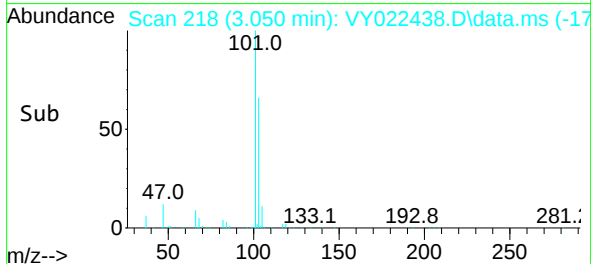
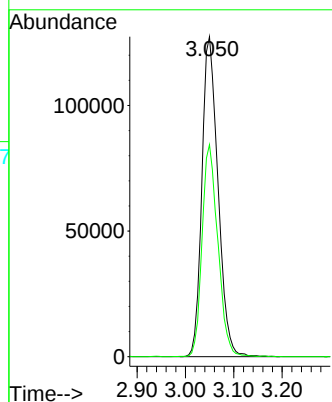
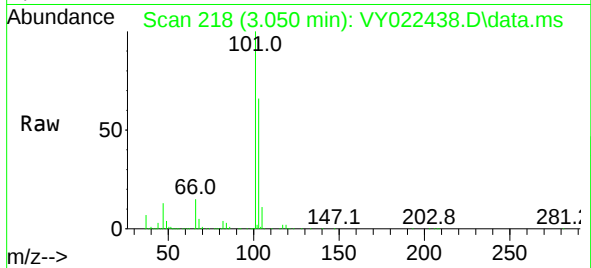




#7  
 Trichlorofluoromethane  
 Concen: 56.563 ug/l  
 RT: 3.050 min Scan# 219  
 Delta R.T. -0.006 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

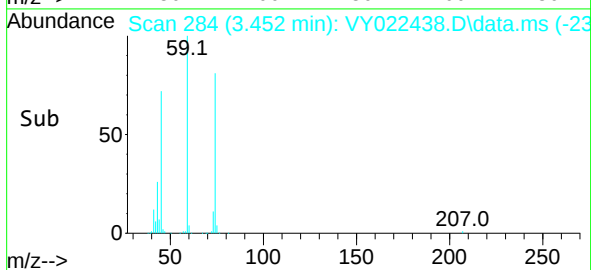
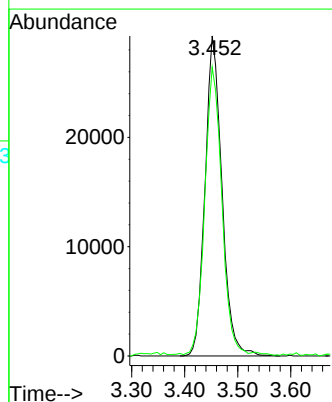
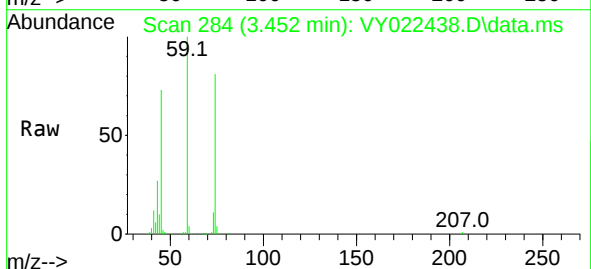
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

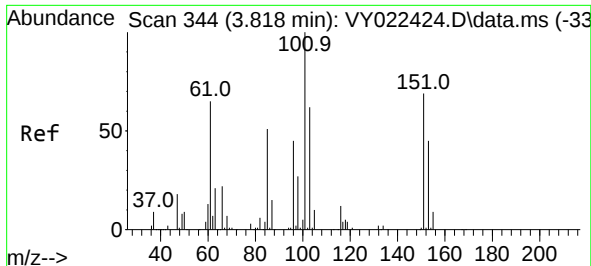
Tgt Ion:101 Resp: 293801  
 Ion Ratio Lower Upper  
 101 100  
 103 66.2 50.9 76.3



#8  
 Diethyl Ether  
 Concen: 54.247 ug/l  
 RT: 3.452 min Scan# 284  
 Delta R.T. -0.006 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

Tgt Ion: 74 Resp: 64970  
 Ion Ratio Lower Upper  
 74 100  
 45 90.5 44.9 134.5

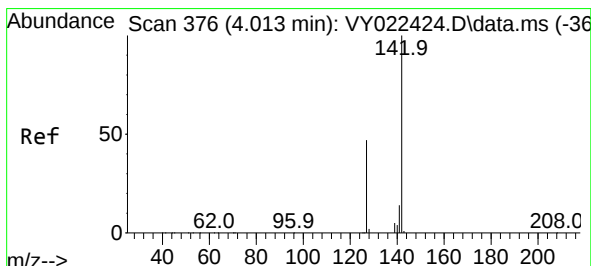
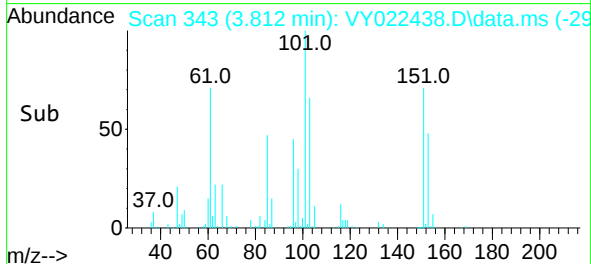
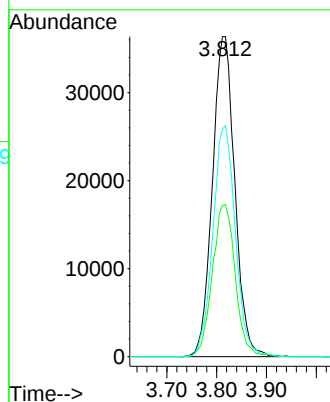
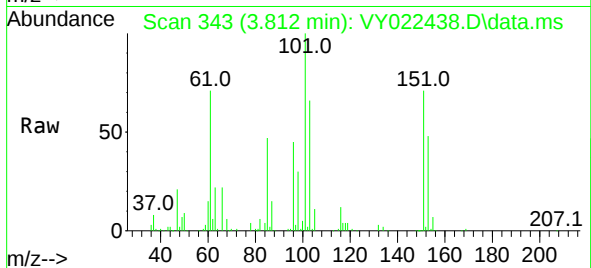




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.816 ug/l  
RT: 3.812 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

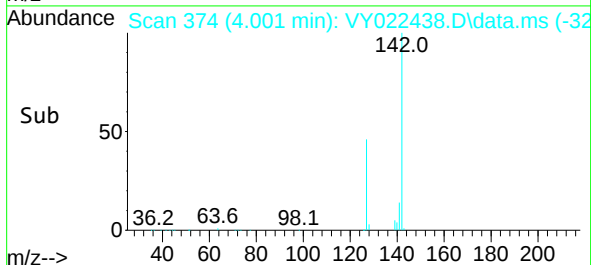
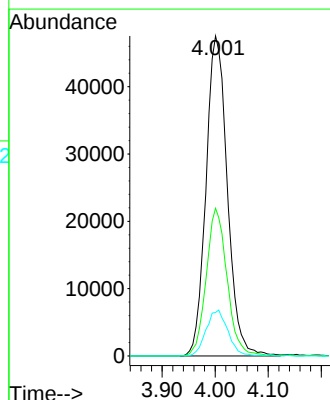
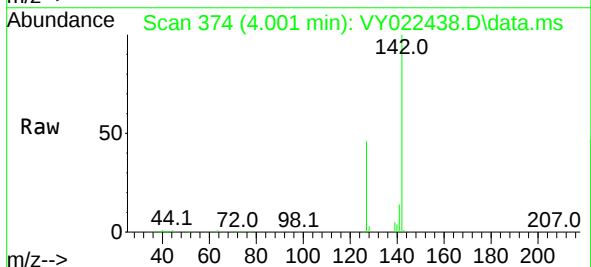
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

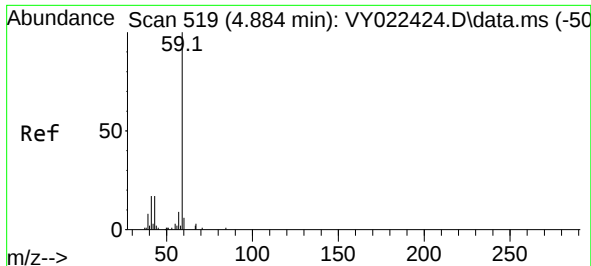
Tgt Ion:101 Resp: 113521  
Ion Ratio Lower Upper  
101 100  
85 48.5 39.2 58.8  
151 72.7 58.8 88.2



#10  
Methyl Iodide  
Concen: 51.761 ug/l  
RT: 4.001 min Scan# 374  
Delta R.T. -0.012 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion:142 Resp: 133073  
Ion Ratio Lower Upper  
142 100  
127 45.0 36.2 54.4  
141 14.6 11.6 17.4





#11

Tert butyl alcohol

Concen: 296.007 ug/l

RT: 4.866 min Scan# 519

Delta R.T. -0.018 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

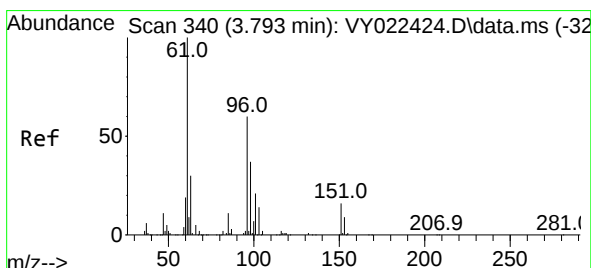
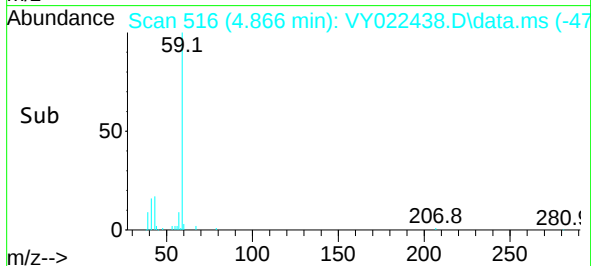
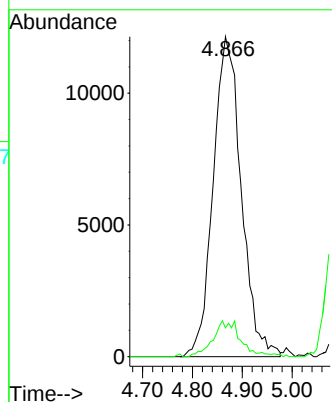
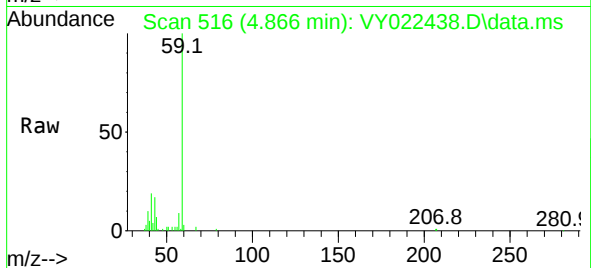
VSTDCCC050EC

Tgt Ion: 59 Resp: 47457

Ion Ratio Lower Upper

59 100

57 5.4 9.1 13.7#



#12

1,1-Dichloroethene

Concen: 50.636 ug/l

RT: 3.787 min Scan# 339

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

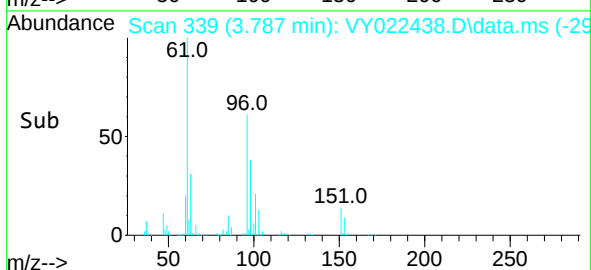
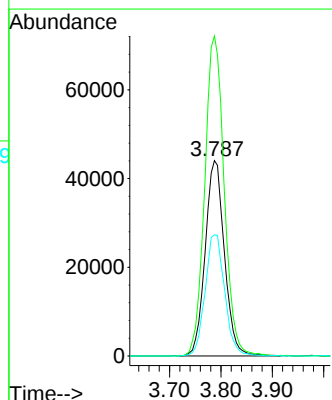
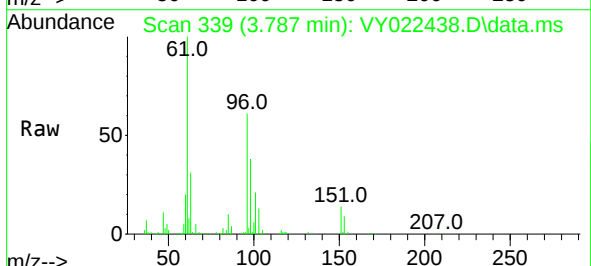
Tgt Ion: 96 Resp: 114561

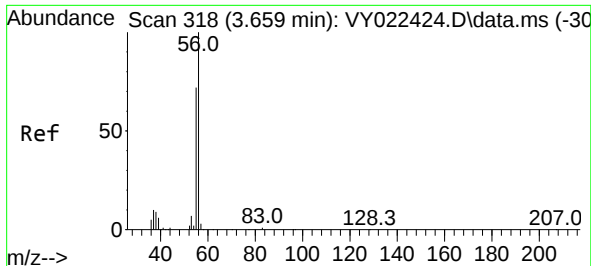
Ion Ratio Lower Upper

96 100

61 163.5 134.1 201.1

98 62.0 50.2 75.2

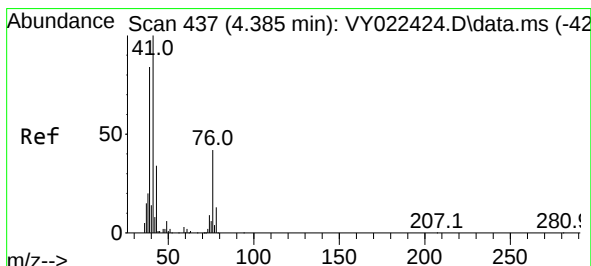
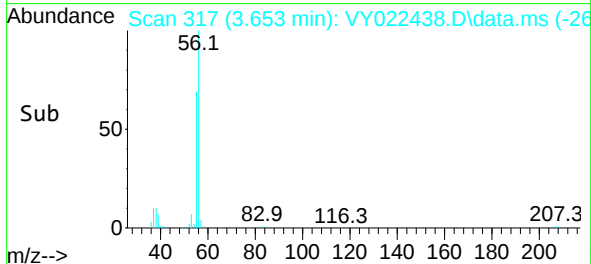
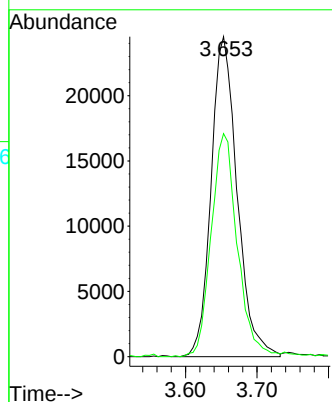
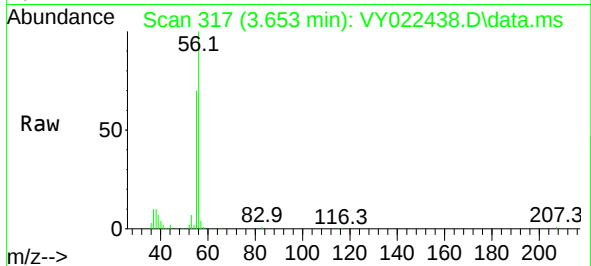




#13  
Acrolein  
Concen: 258.255 ug/l  
RT: 3.653 min Scan# 318  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

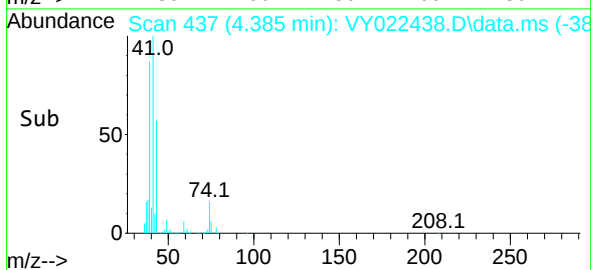
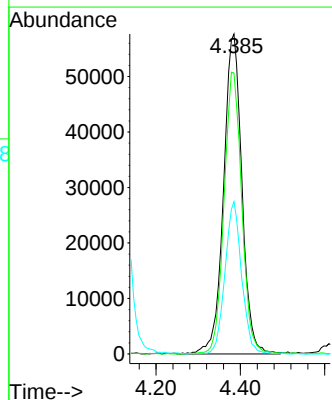
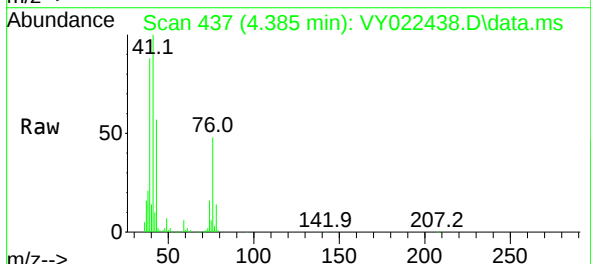
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

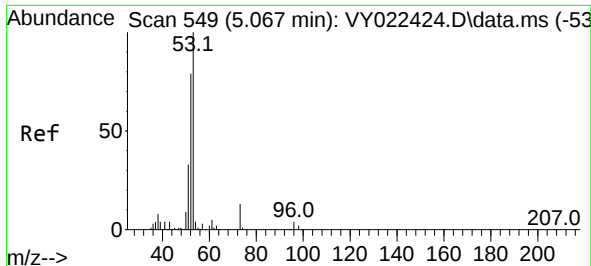
Tgt Ion: 56 Resp: 62039  
Ion Ratio Lower Upper  
56 100  
55 69.8 56.5 84.7



#14  
Allyl chloride  
Concen: 51.098 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

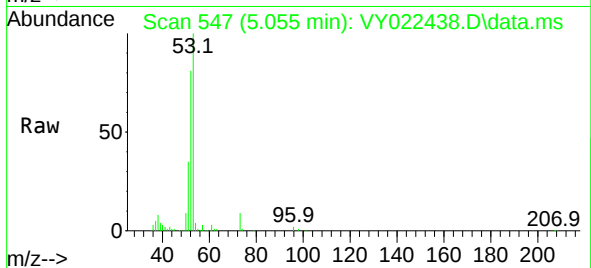
Tgt Ion: 41 Resp: 173903  
Ion Ratio Lower Upper  
41 100  
39 85.2 66.6 100.0  
76 42.9 33.7 50.5



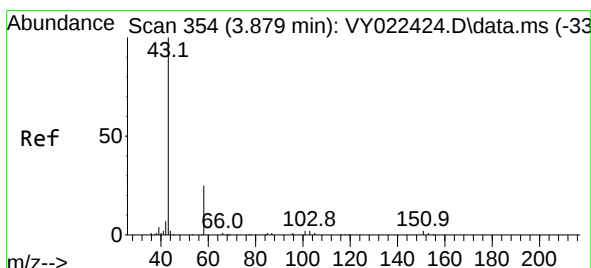
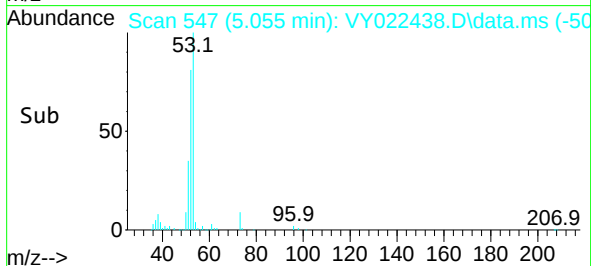
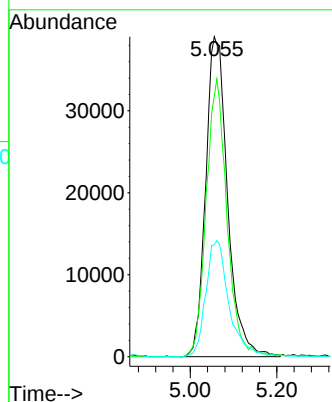


#15  
Acrylonitrile  
Concen: 284.055 ug/l  
RT: 5.055 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

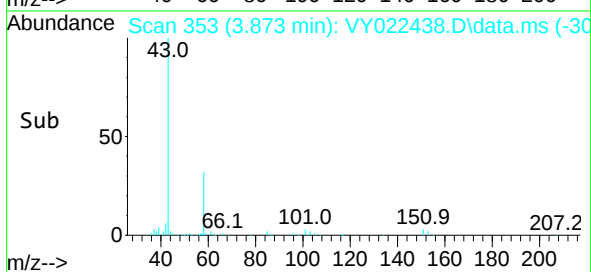
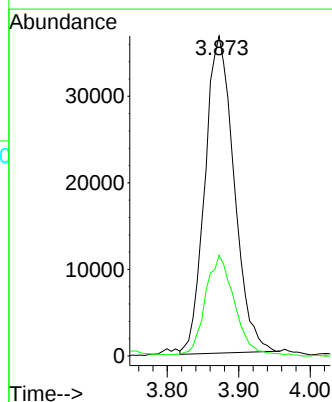
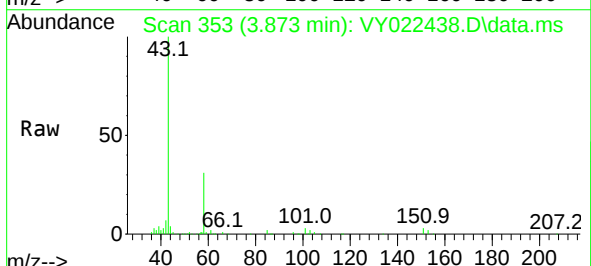


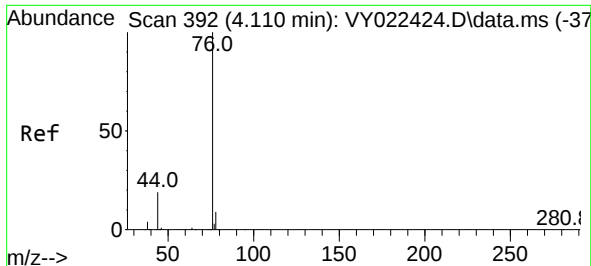
Tgt Ion: 53 Resp: 137130  
Ion Ratio Lower Upper  
53 100  
52 82.4 65.1 97.7  
51 38.4 30.0 45.0



#16  
Acetone  
Concen: 277.421 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 43 Resp: 103688  
Ion Ratio Lower Upper  
43 100  
58 31.4 20.6 30.8

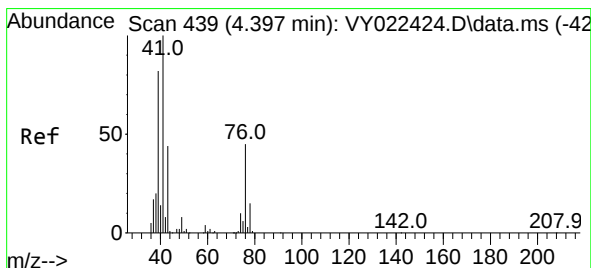
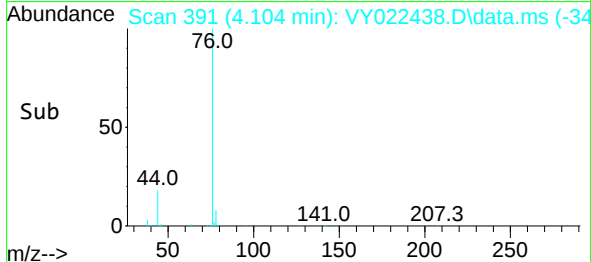
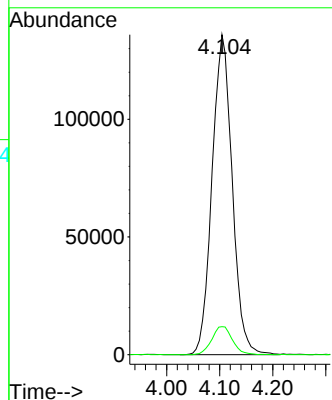
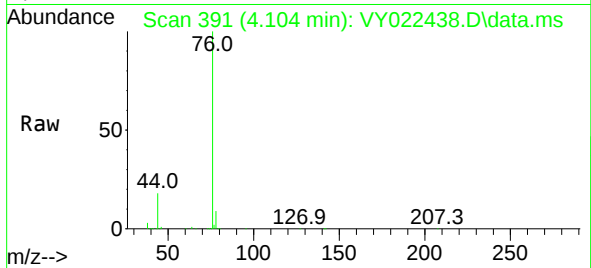




#17  
Carbon Disulfide  
Concen: 49.708 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

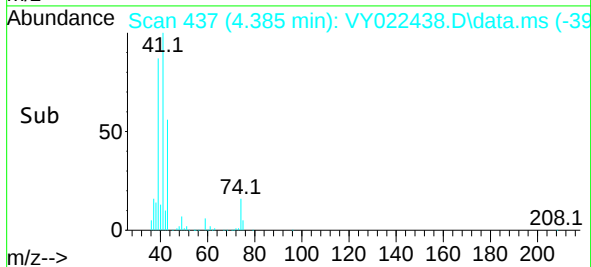
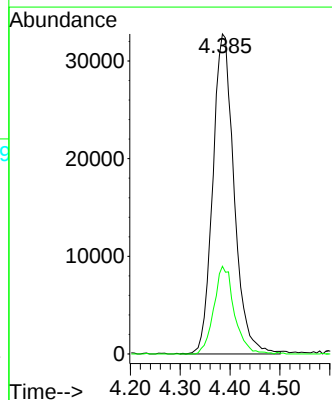
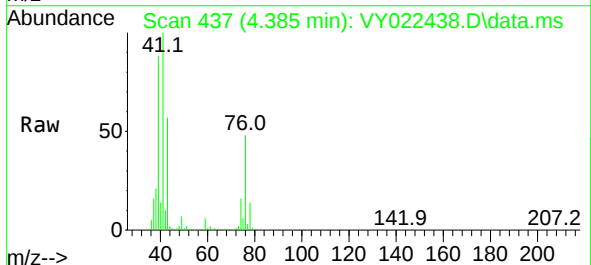
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

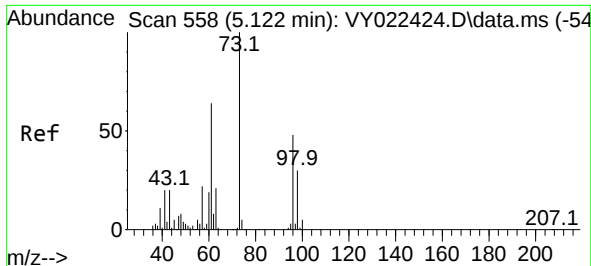
Tgt Ion: 76 Resp: 358889  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8



#18  
Methyl Acetate  
Concen: 69.436 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.012 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 43 Resp: 97215  
Ion Ratio Lower Upper  
43 100  
74 26.2 21.2 31.8

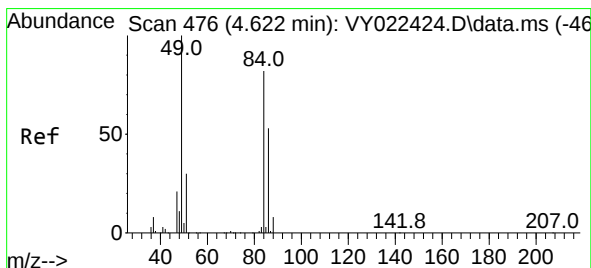
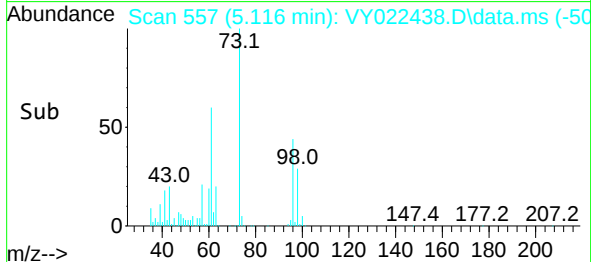
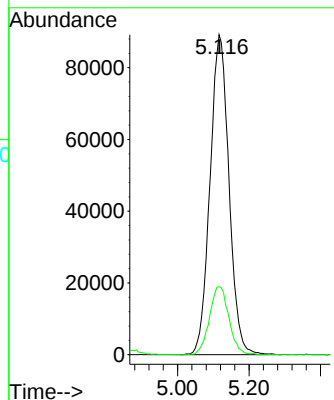
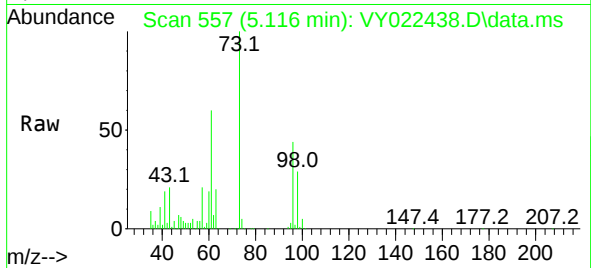




#19  
Methyl tert-butyl Ether  
Concen: 54.572 ug/l  
RT: 5.116 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

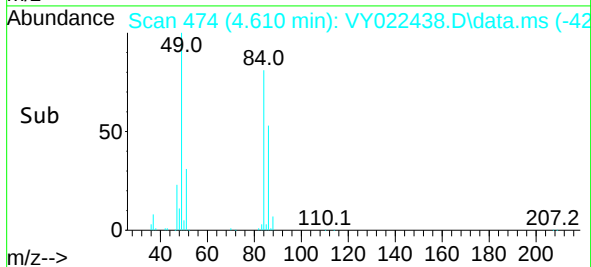
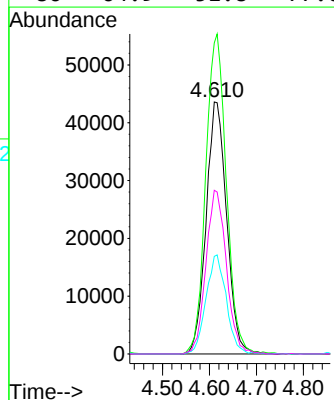
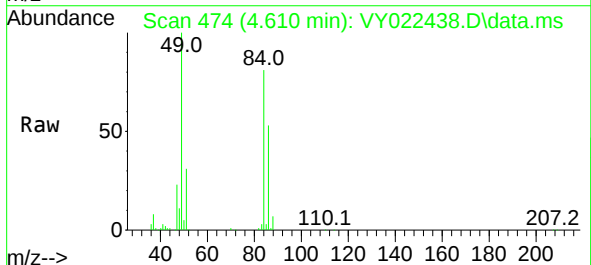
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

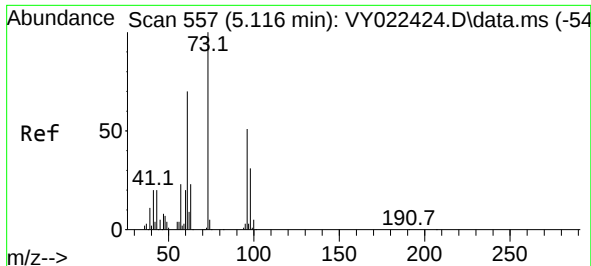
Tgt Ion: 73 Resp: 327791  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.7 26.5



#20  
Methylene Chloride  
Concen: 50.049 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.012 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 84 Resp: 132094  
Ion Ratio Lower Upper  
84 100  
49 123.4 97.8 146.8  
51 38.8 29.5 44.3  
86 64.9 51.8 77.6

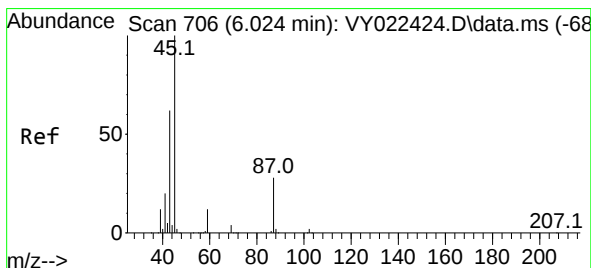
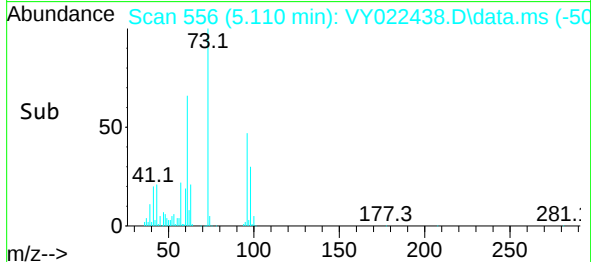
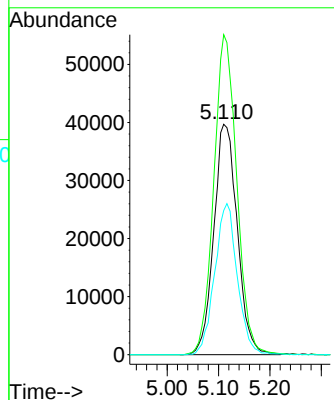
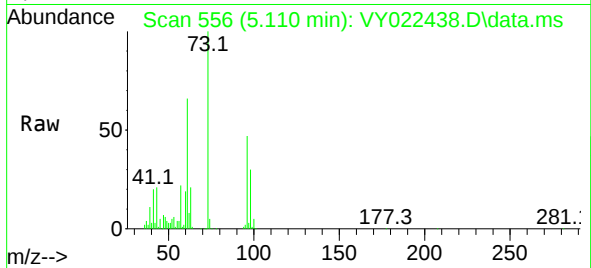




#21  
trans-1,2-Dichloroethene  
Concen: 51.000 ug/l  
RT: 5.110 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

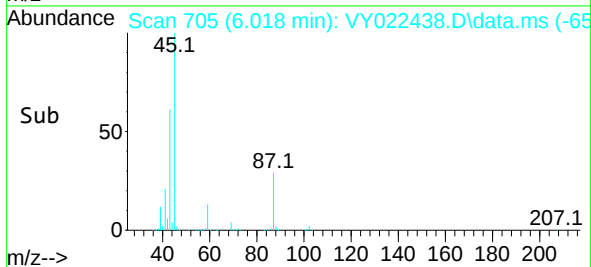
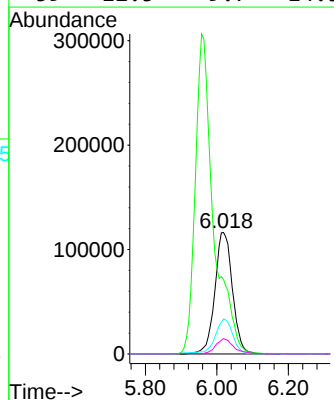
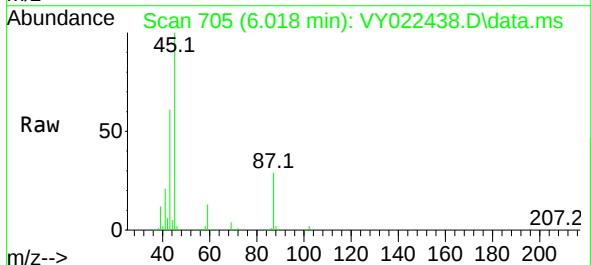
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

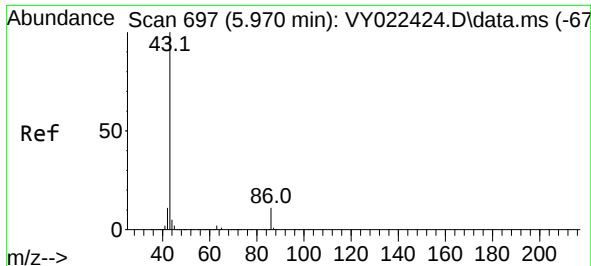
Tgt Ion: 96 Resp: 125968  
Ion Ratio Lower Upper  
96 100  
61 138.9 110.4 165.6  
98 62.6 48.6 73.0



#22  
Diisopropyl ether  
Concen: 52.955 ug/l  
RT: 6.018 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 45 Resp: 397757  
Ion Ratio Lower Upper  
45 100  
43 60.8 49.8 74.8  
87 28.8 23.0 34.6  
59 12.5 9.7 14.5

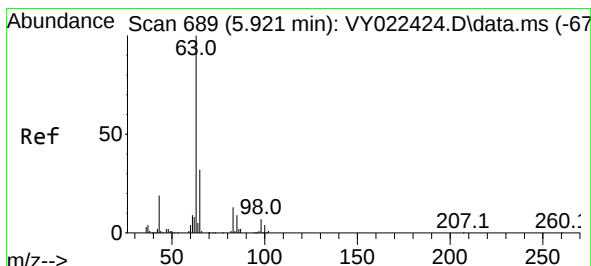
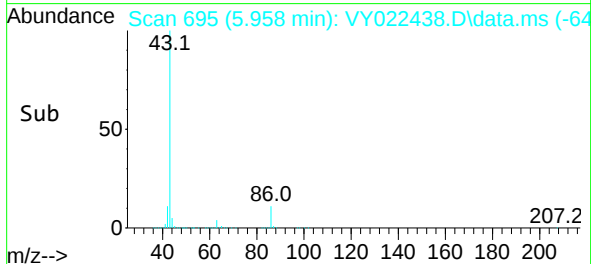
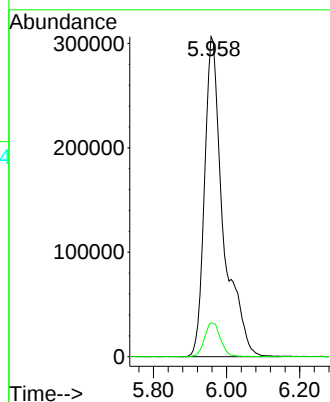
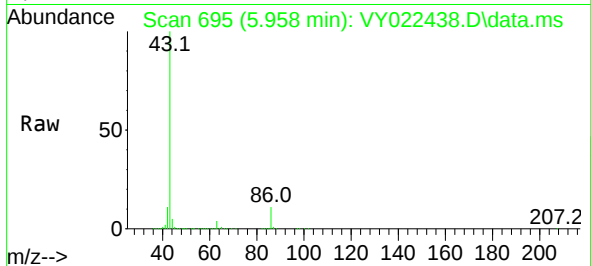




#23  
 Vinyl Acetate  
 Concen: 251.677 ug/l  
 RT: 5.958 min Scan# 695  
 Delta R.T. -0.012 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

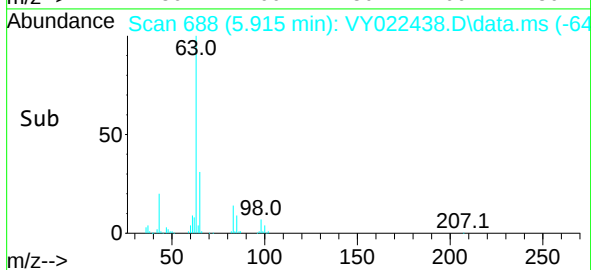
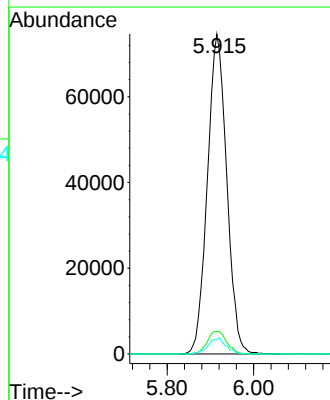
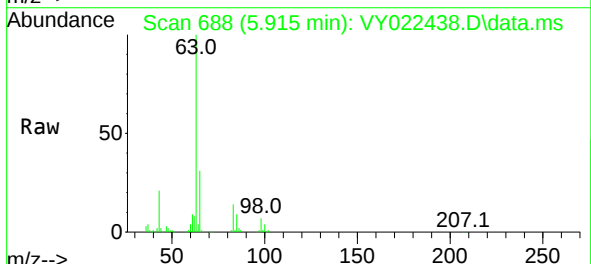
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

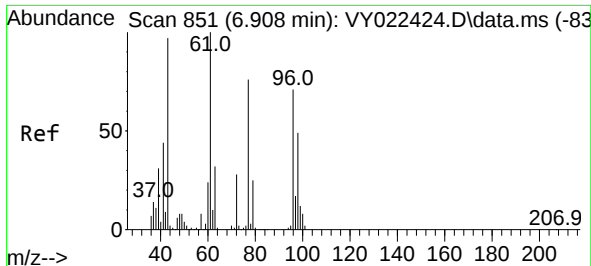
Tgt Ion: 43 Resp: 1085430  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.8 13.2



#24  
 1,1-Dichloroethane  
 Concen: 52.168 ug/l  
 RT: 5.915 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

Tgt Ion: 63 Resp: 231541  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.5  
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 285.333 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

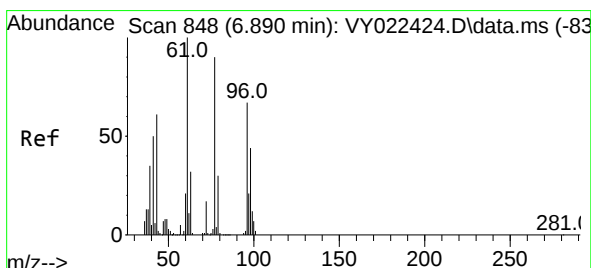
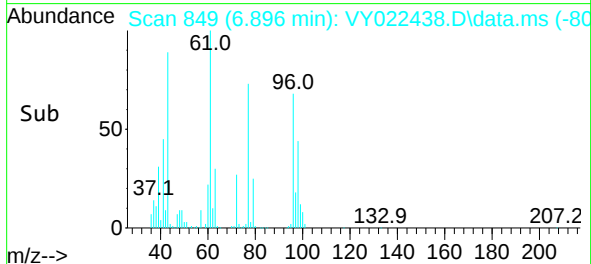
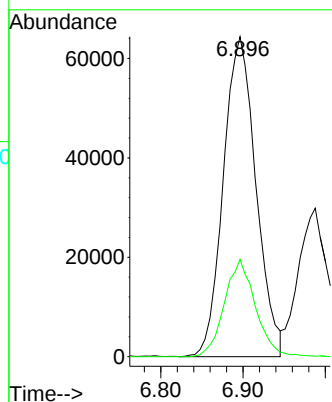
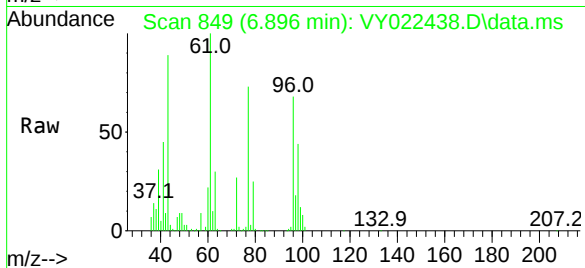
VSTDCCC050EC

Tgt Ion: 43 Resp: 177609

Ion Ratio Lower Upper

43 100

72 30.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 48.319 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY022438.D

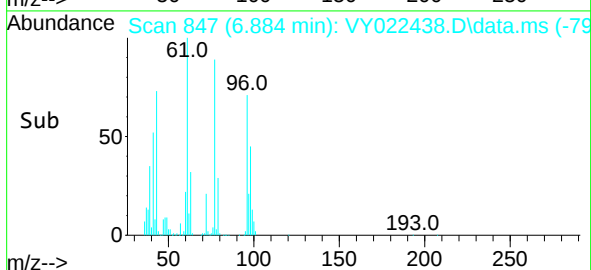
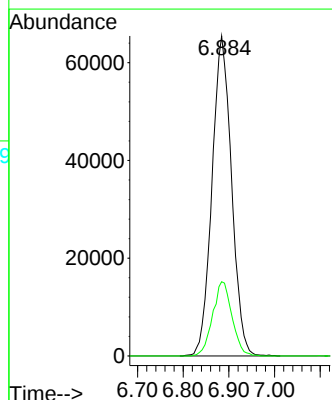
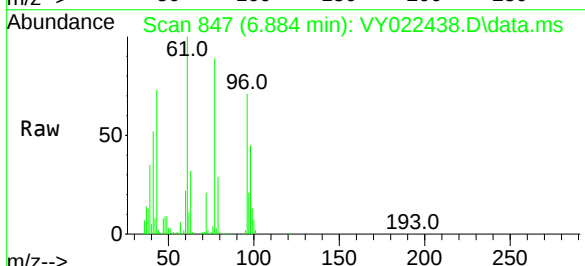
Acq: 27 May 2025 17:10

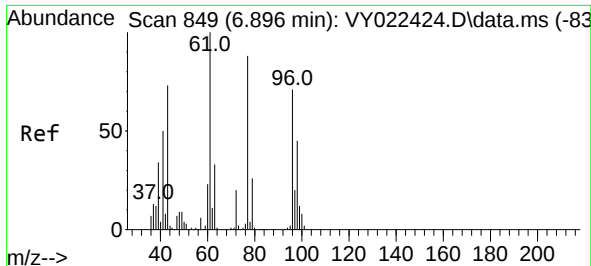
Tgt Ion: 77 Resp: 194187

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 51.999 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

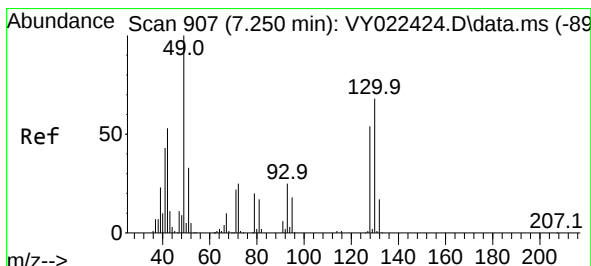
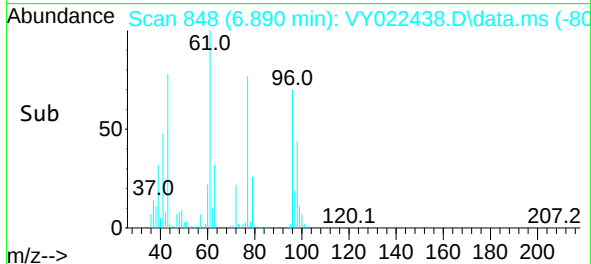
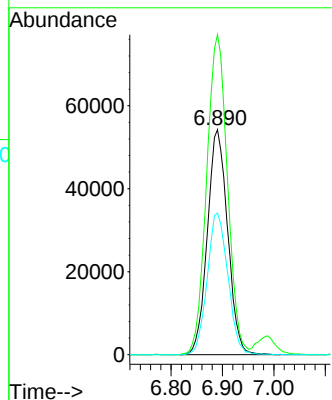
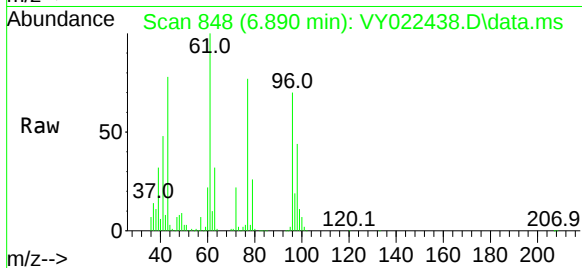
Tgt Ion: 96 Resp: 148685

Ion Ratio Lower Upper

96 100

61 145.4 0.0 292.0

98 64.3 0.0 131.0



#28

Bromochloromethane

Concen: 54.514 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

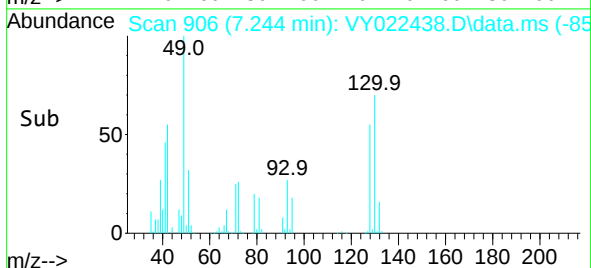
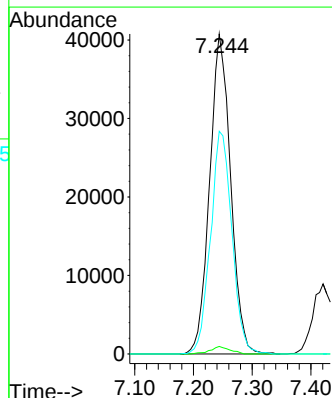
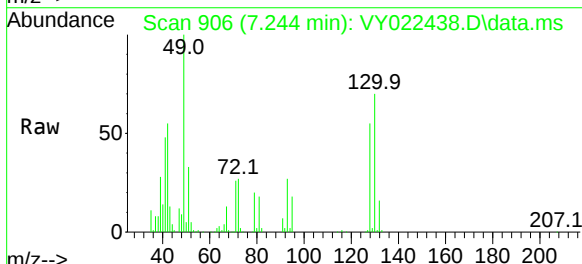
Tgt Ion: 49 Resp: 101033

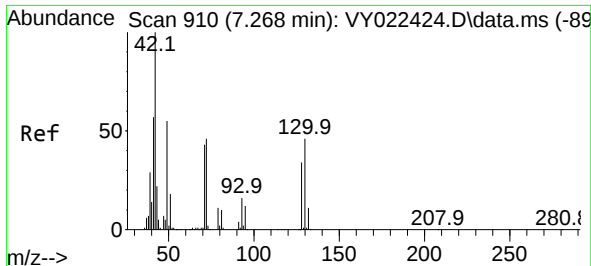
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

130 71.1 56.9 85.3





#29

Tetrahydrofuran

Concen: 285.450 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

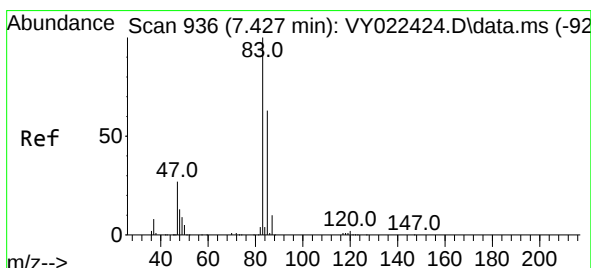
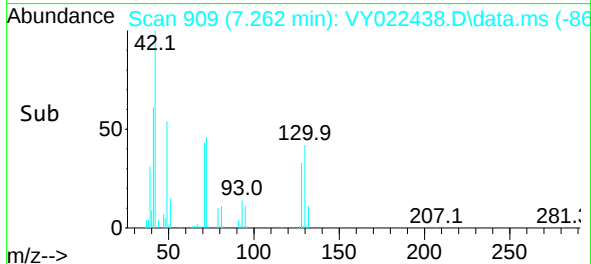
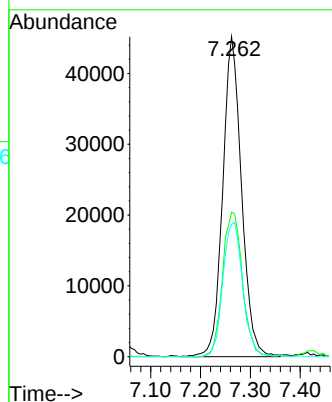
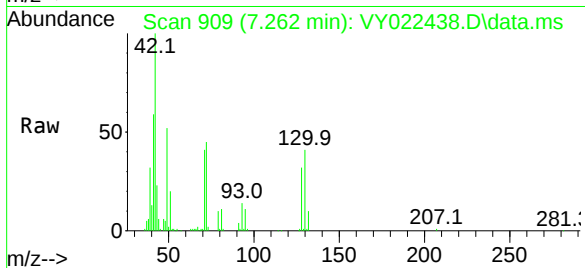
Tgt Ion: 42 Resp: 118500

Ion Ratio Lower Upper

42 100

72 47.7 37.7 56.5

71 44.4 34.7 52.1



#30

Chloroform

Concen: 53.403 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022438.D

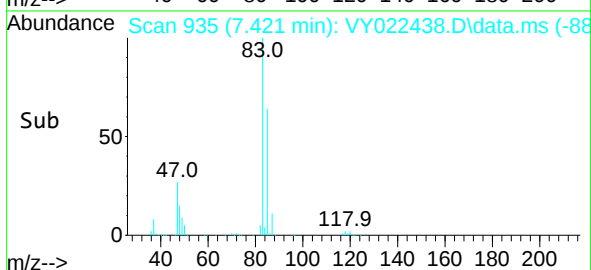
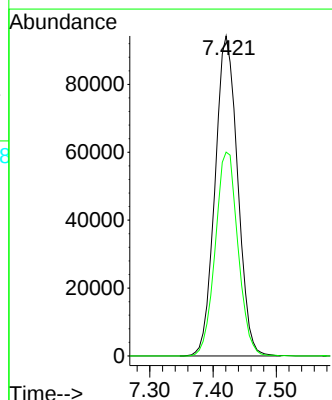
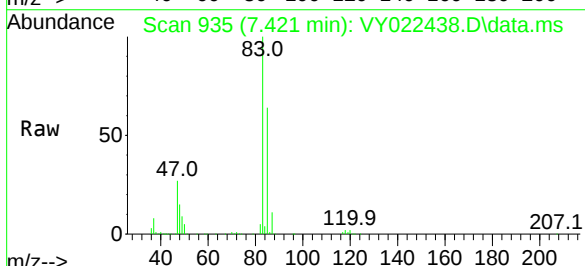
Acq: 27 May 2025 17:10

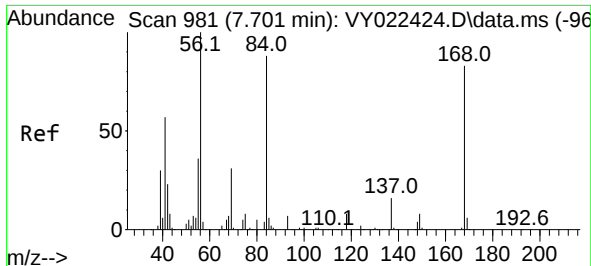
Tgt Ion: 83 Resp: 233553

Ion Ratio Lower Upper

83 100

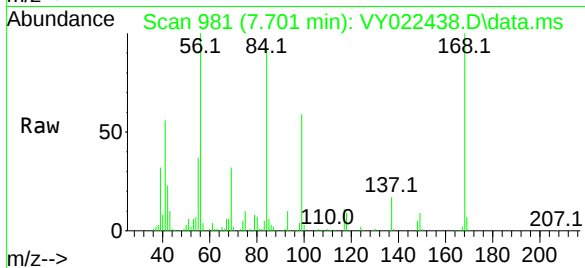
85 63.7 50.1 75.1



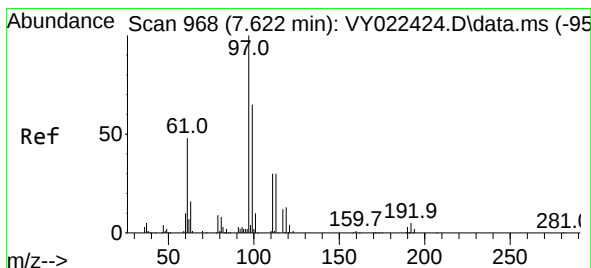
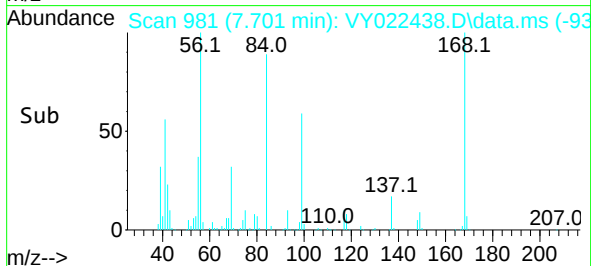
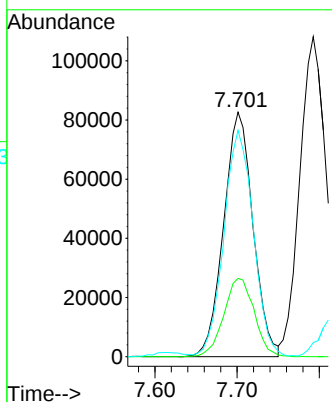


#31  
Cyclohexane  
Concen: 46.951 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

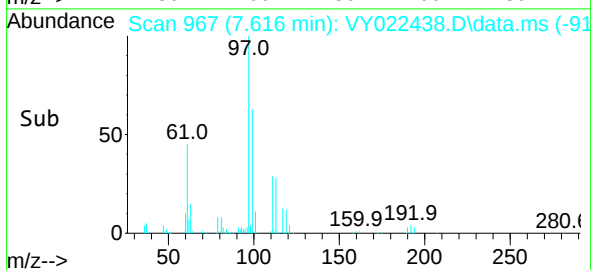
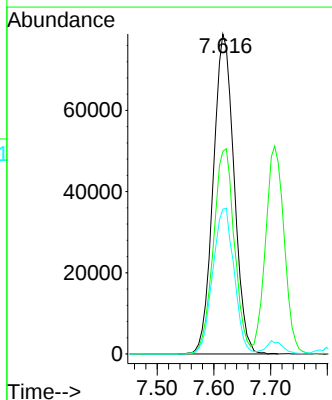
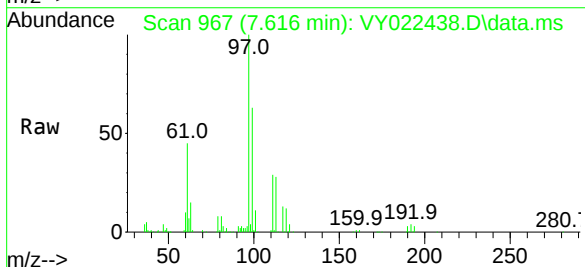


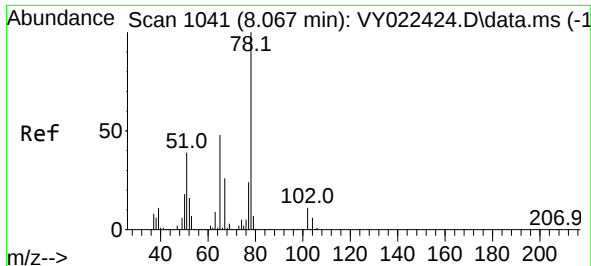
Tgt Ion: 56 Resp: 205414  
Ion Ratio Lower Upper  
56 100  
69 32.0 24.6 36.8  
84 91.1 70.4 105.6



#32  
1,1,1-Trichloroethane  
Concen: 50.648 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 97 Resp: 201031  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.3 76.9  
61 46.8 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 53.051 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

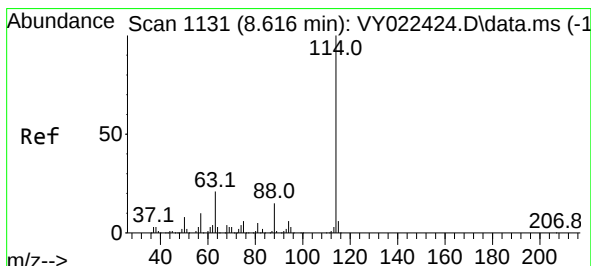
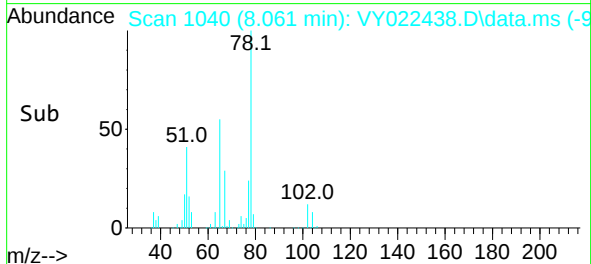
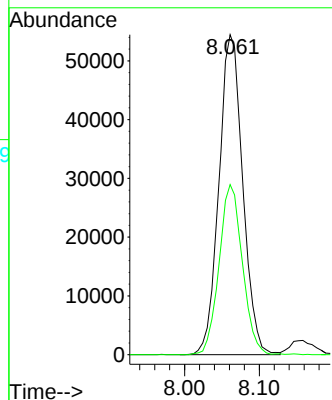
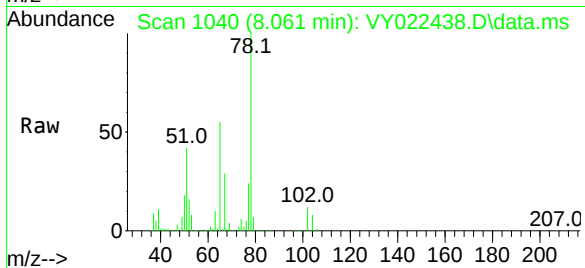
VSTDCCC050EC

Tgt Ion: 65 Resp: 120665

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

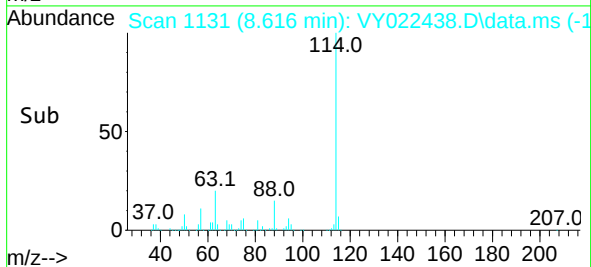
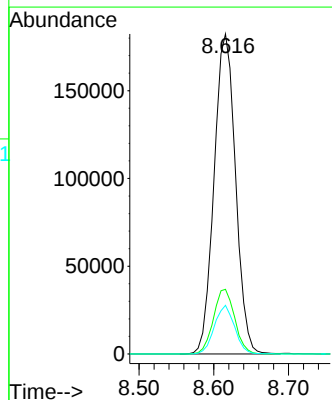
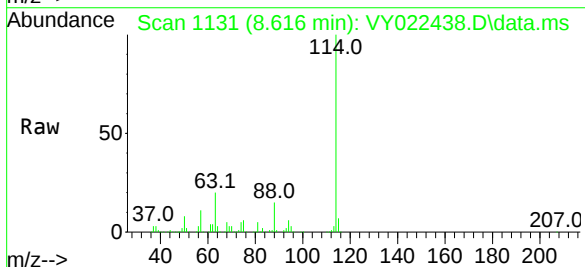
Tgt Ion: 114 Resp: 364513

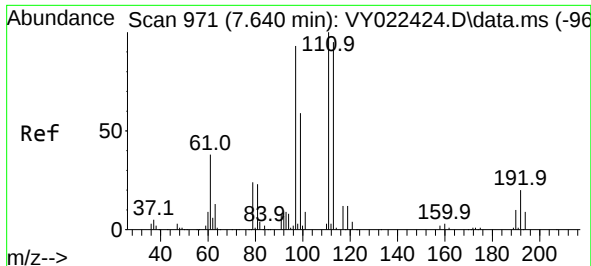
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

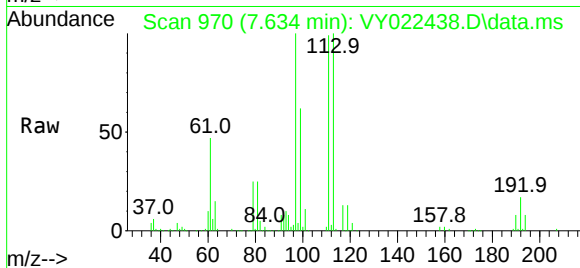
88 15.2 0.0 29.4



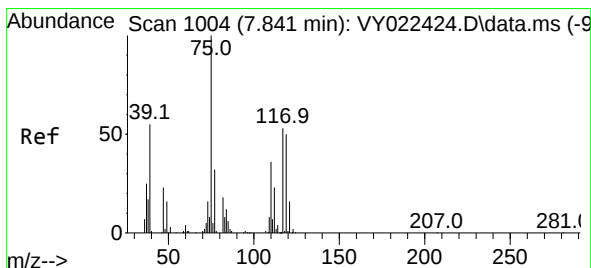
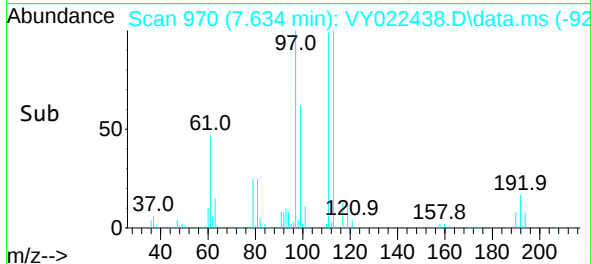
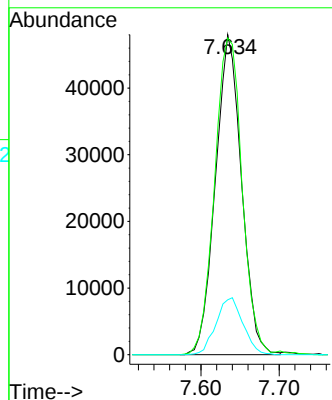


#35  
Dibromofluoromethane  
Concen: 51.926 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

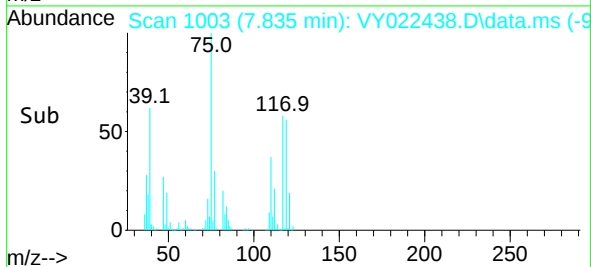
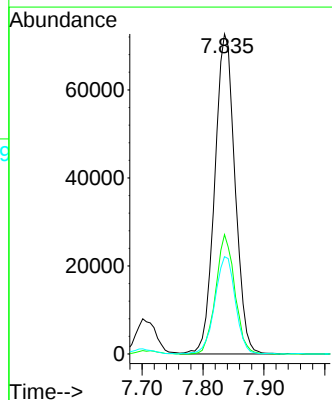
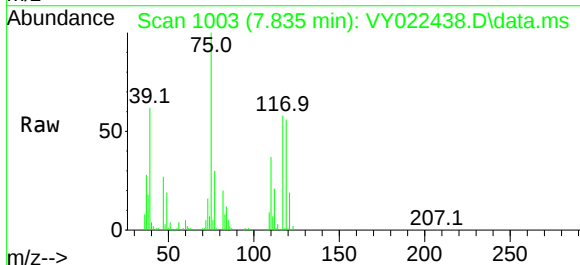


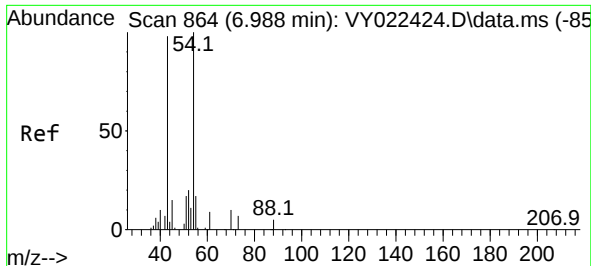
Tgt Ion:113 Resp: 110847  
Ion Ratio Lower Upper  
113 100  
111 104.4 82.4 123.6  
192 18.4 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 49.665 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 75 Resp: 168238  
Ion Ratio Lower Upper  
75 100  
110 35.1 17.1 51.2  
77 30.8 25.1 37.7





#37

Ethyl Acetate

Concen: 53.869 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

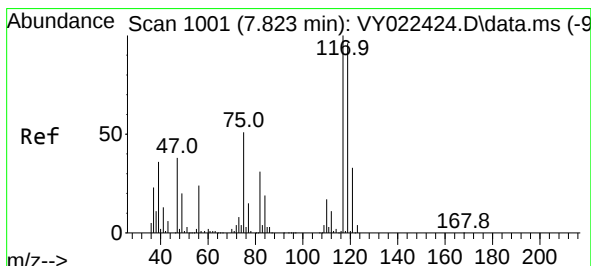
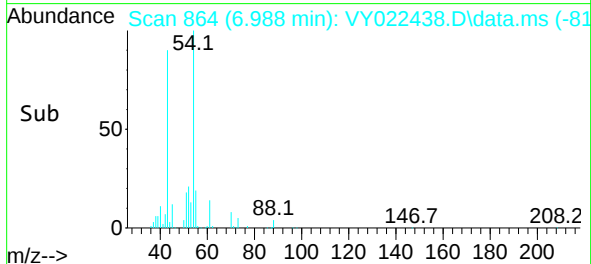
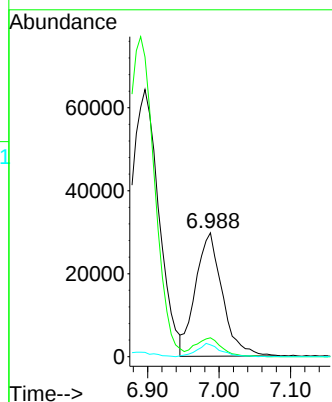
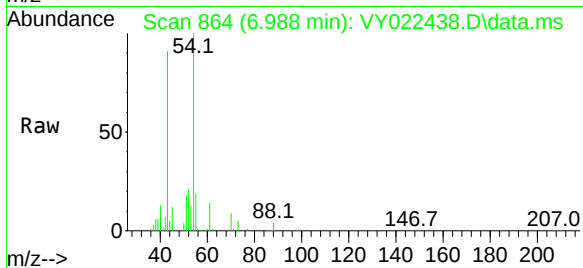
Tgt Ion: 43 Resp: 77550

Ion Ratio Lower Upper

43 100

61 15.1 11.7 17.5

70 9.3 7.8 11.6



#38

Carbon Tetrachloride

Concen: 50.728 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

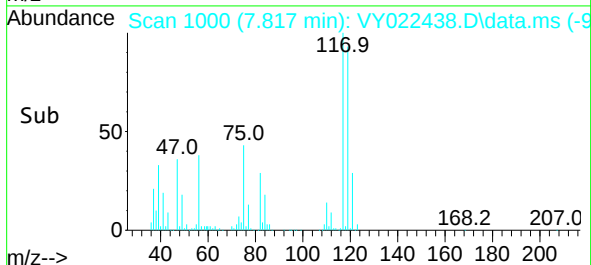
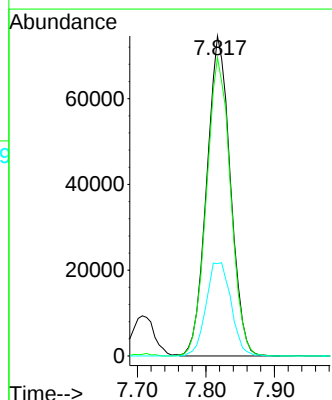
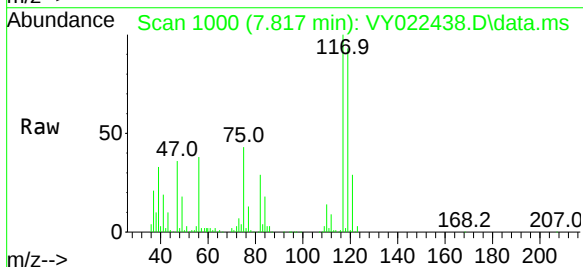
Tgt Ion: 117 Resp: 179005

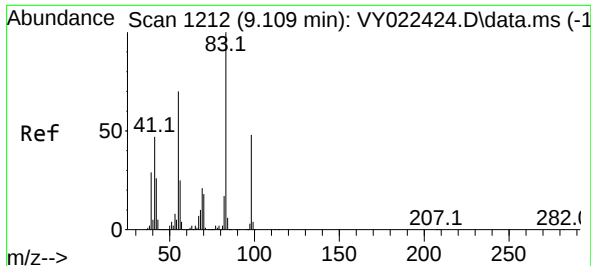
Ion Ratio Lower Upper

117 100

119 93.3 76.3 114.5

121 28.8 26.1 39.1





#39

Methylcyclohexane

Concen: 48.915 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

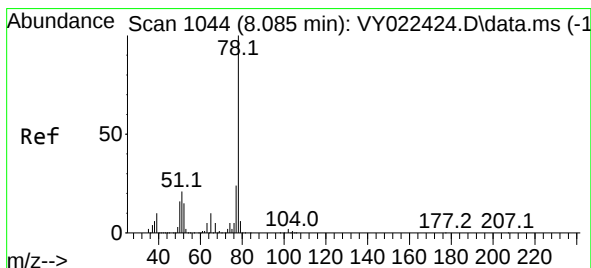
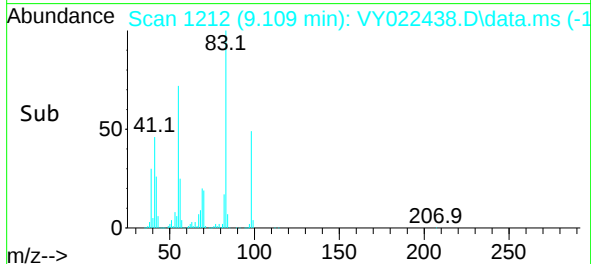
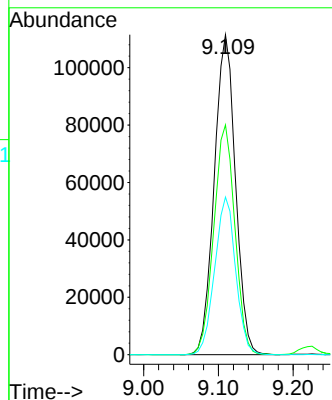
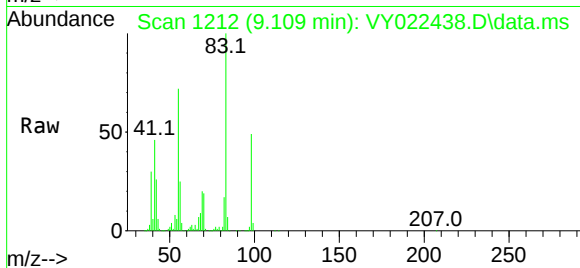
Tgt Ion: 83 Resp: 220257

Ion Ratio Lower Upper

83 100

55 71.8 56.2 84.2

98 49.2 38.4 57.6



#40

Benzene

Concen: 51.884 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY022438.D

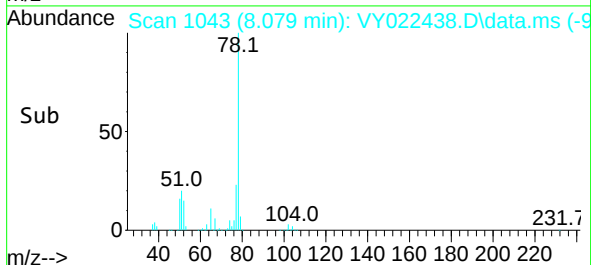
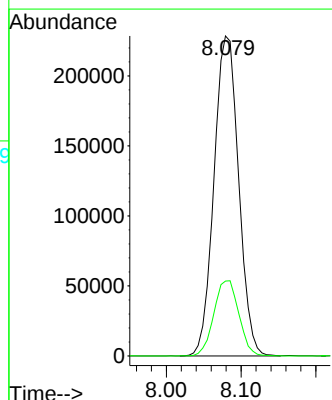
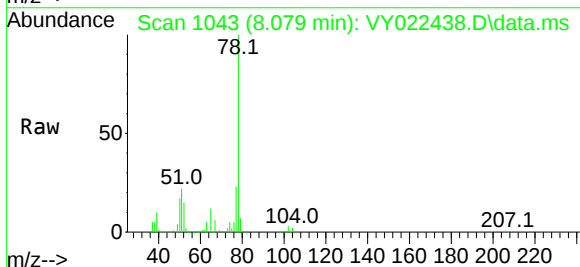
Acq: 27 May 2025 17:10

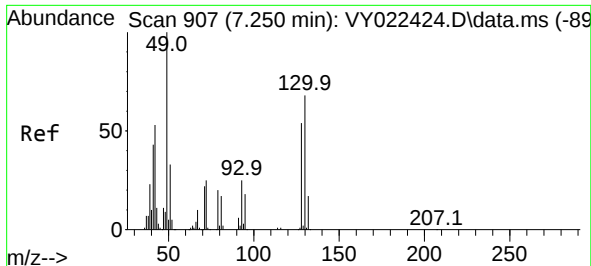
Tgt Ion: 78 Resp: 522962

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.2



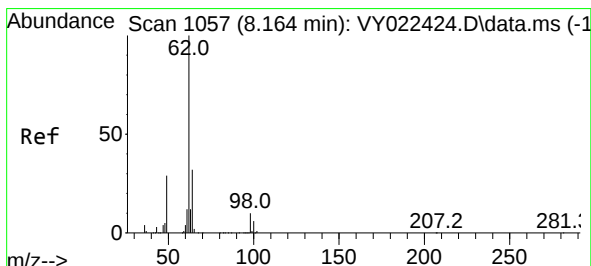
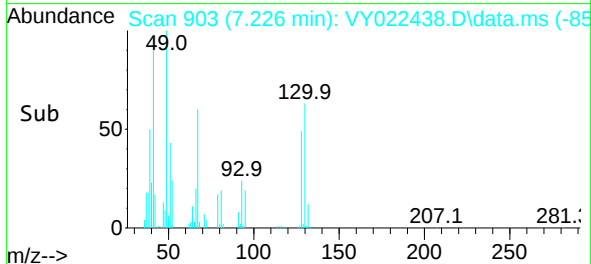
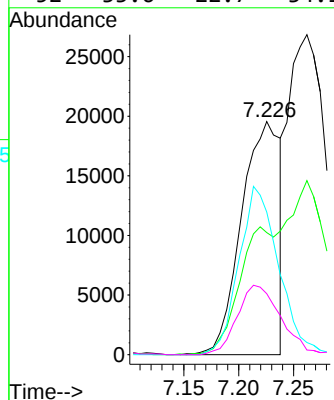
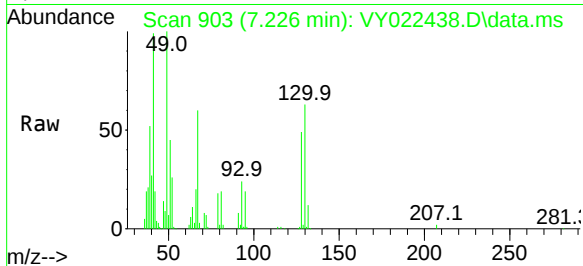


#41  
Methacrylonitrile  
Concen: 54.858 ug/l  
RT: 7.226 min Scan# 907  
Delta R.T. -0.024 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 47932

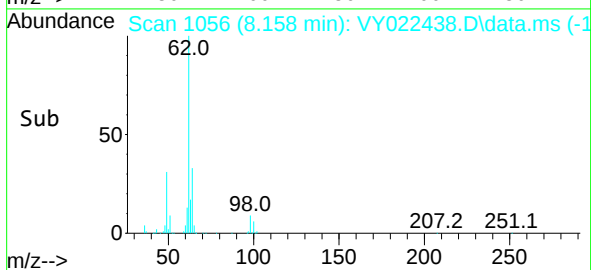
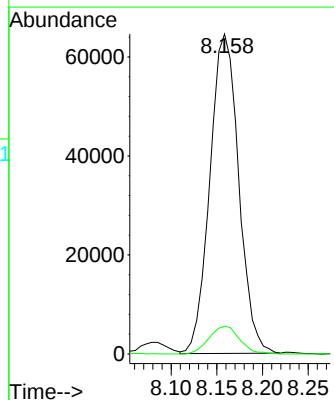
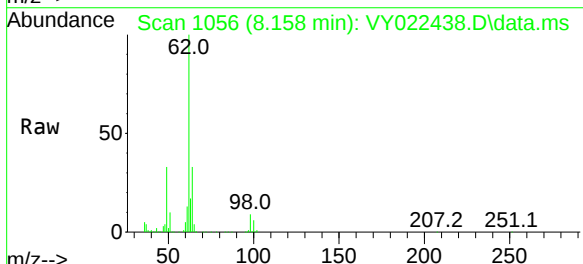
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 49.3  | 40.4  | 60.6  |
| 67  | 73.9  | 53.0  | 79.4  |
| 52  | 33.6  | 22.7  | 34.1  |

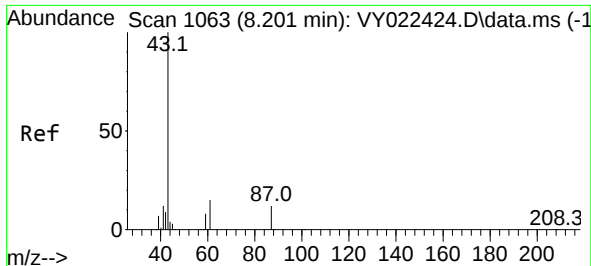


#42  
1,2-Dichloroethane  
Concen: 53.251 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 62 Resp: 141760

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.2   | 0.0   | 18.4  |

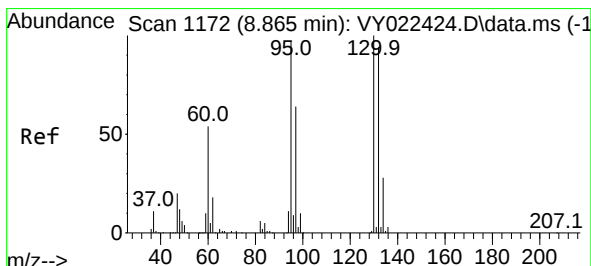
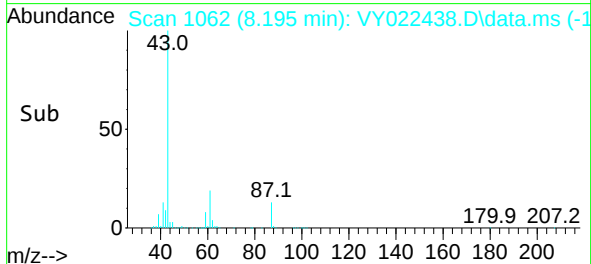
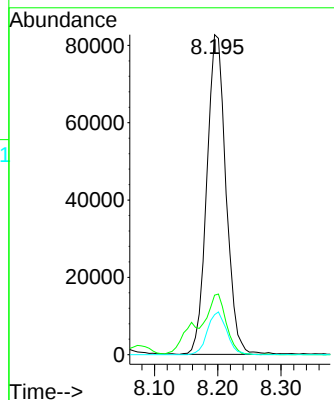
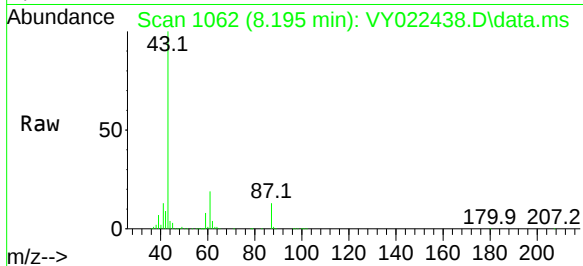




#43  
Isopropyl Acetate  
Concen: 55.374 ug/l  
RT: 8.195 min Scan# 1062  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

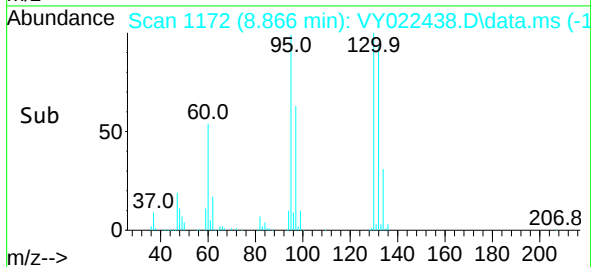
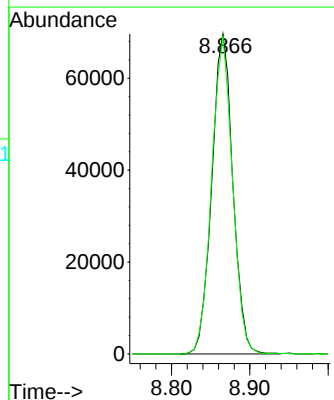
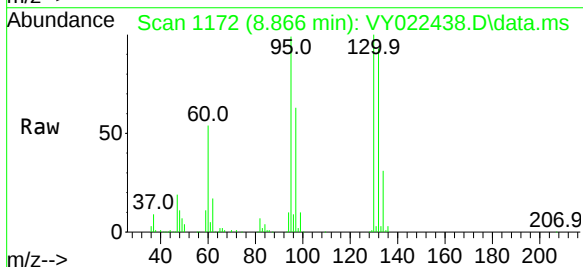
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

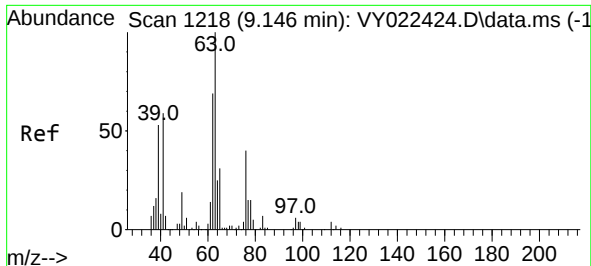
Tgt Ion: 43 Resp: 174194  
Ion Ratio Lower Upper  
43 100  
61 19.2 15.4 23.0  
87 13.5 10.6 15.8



#44  
Trichloroethene  
Concen: 52.154 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion:130 Resp: 129953  
Ion Ratio Lower Upper  
130 100  
95 99.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 52.819 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

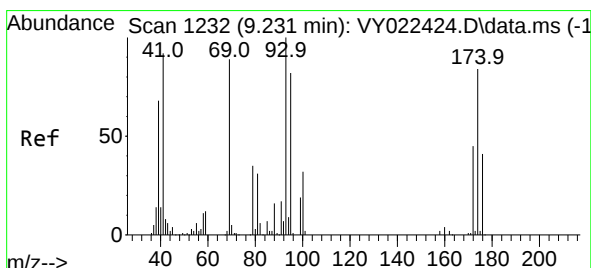
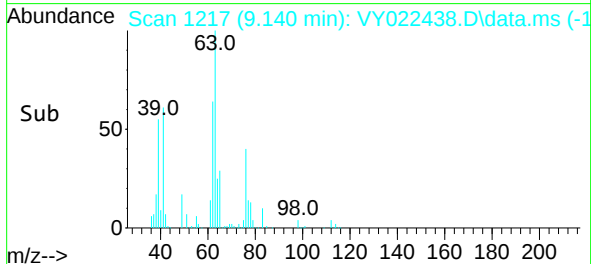
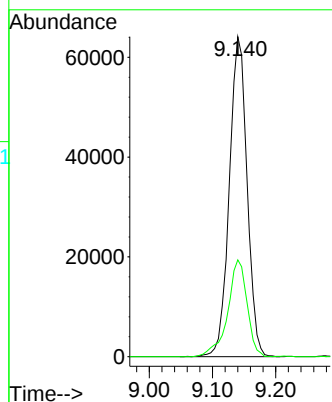
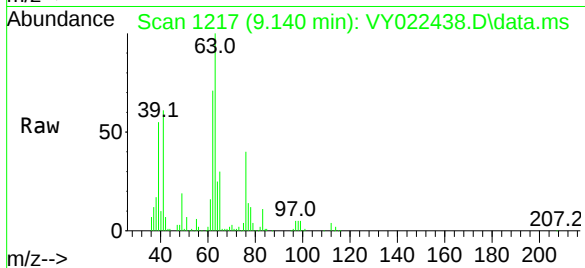
VSTDCCC050EC

Tgt Ion: 63 Resp: 125086

Ion Ratio Lower Upper

63 100

65 30.2 25.1 37.7



#46

Dibromomethane

Concen: 53.469 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

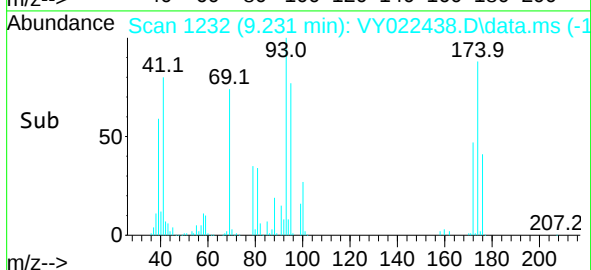
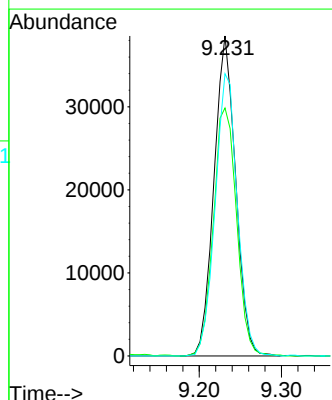
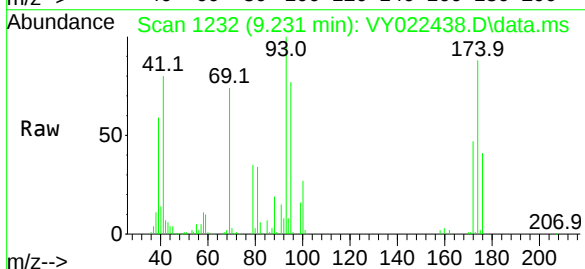
Tgt Ion: 93 Resp: 70737

Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.2

174 90.2 71.1 106.7





#47

Bromodichloromethane

Concen: 52.966 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

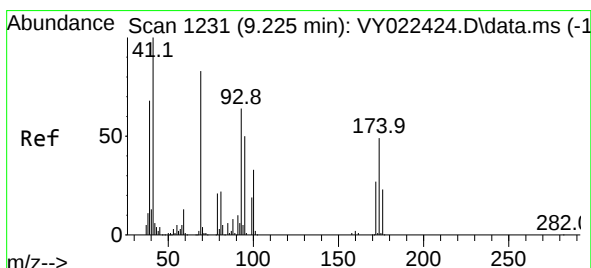
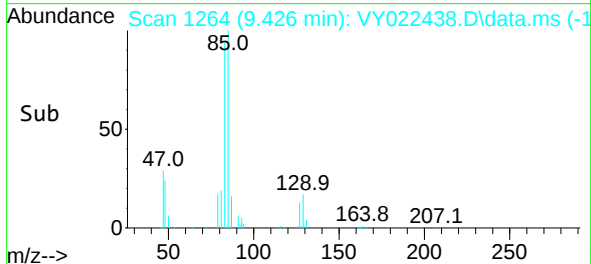
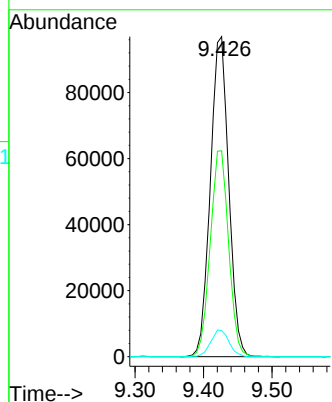
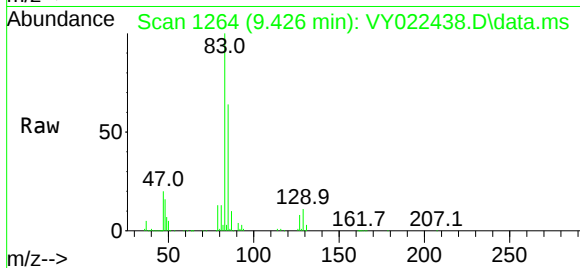
Tgt Ion: 83 Resp: 180193

Ion Ratio Lower Upper

83 100

85 64.4 49.8 74.6

127 8.2 6.6 9.8



#48

Methyl methacrylate

Concen: 56.964 ug/l

RT: 9.219 min Scan# 1230

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

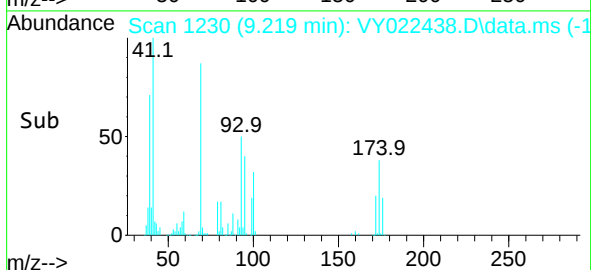
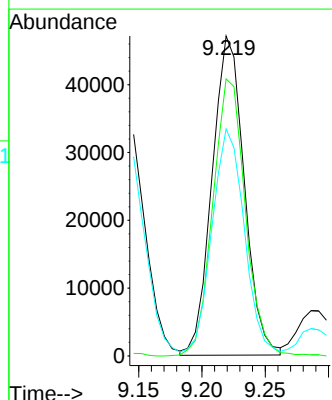
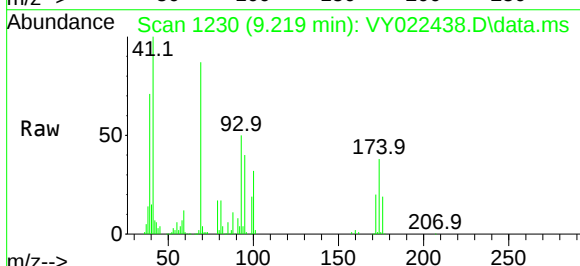
Tgt Ion: 41 Resp: 83183

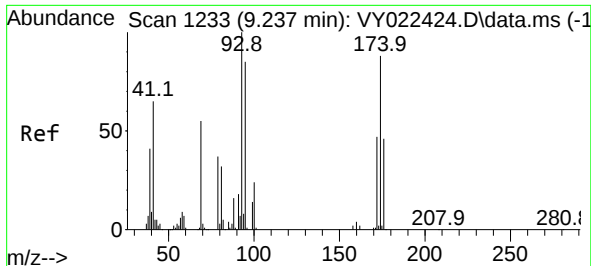
Ion Ratio Lower Upper

41 100

69 87.8 70.3 105.5

39 69.7 55.4 83.0





#49

1,4-Dioxane

Concen: 1243.469 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

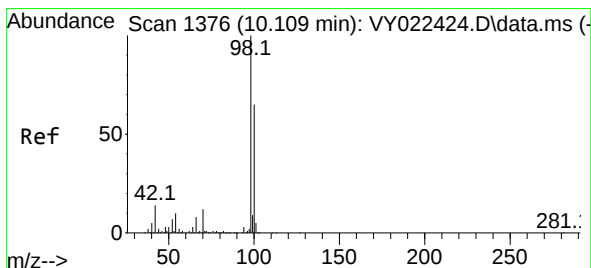
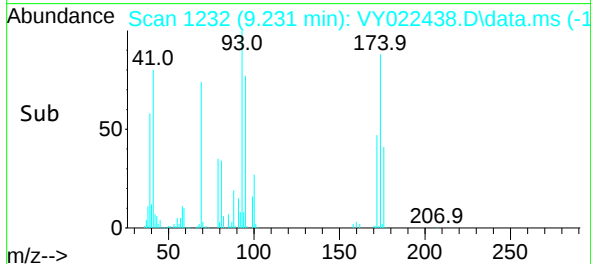
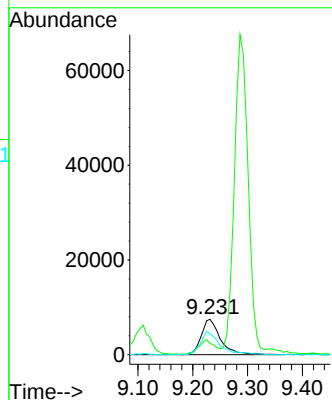
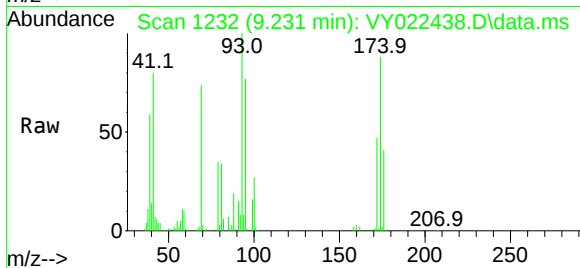
Tgt Ion: 88 Resp: 18170

Ion Ratio Lower Upper

88 100

43 32.5 26.9 40.3

58 66.6 55.8 83.6



#50

Toluene-d8

Concen: 51.398 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022438.D

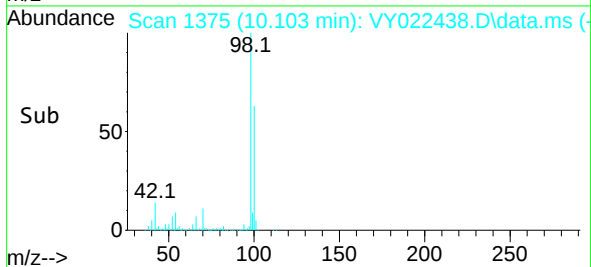
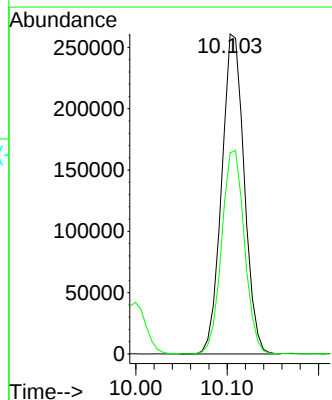
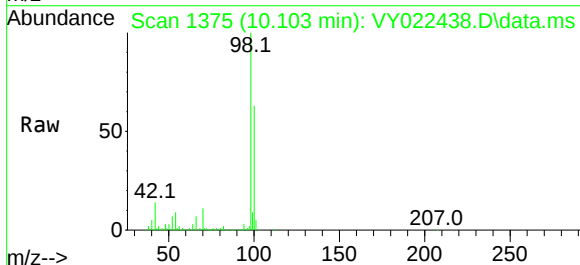
Acq: 27 May 2025 17:10

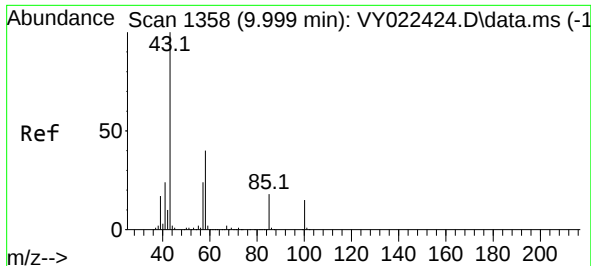
Tgt Ion: 98 Resp: 447277

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 292.551 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

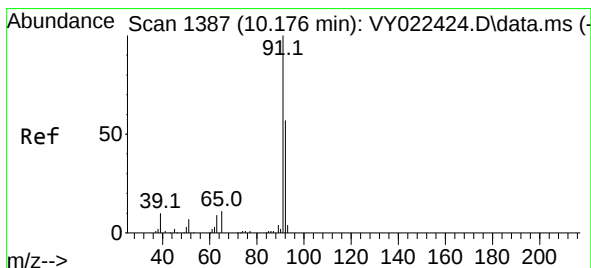
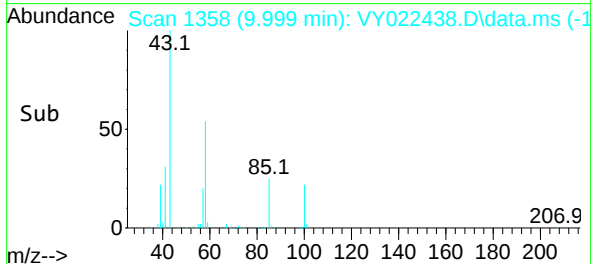
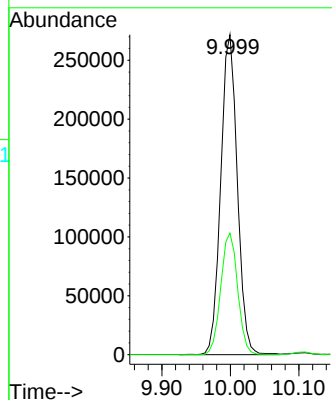
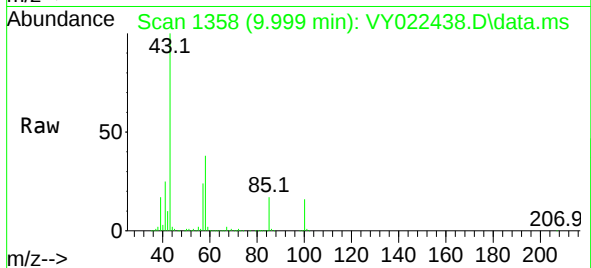
VSTDCCC050EC

Tgt Ion: 43 Resp: 454081

Ion Ratio Lower Upper

43 100

58 38.8 31.2 46.8



#52

Toluene

Concen: 52.475 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022438.D

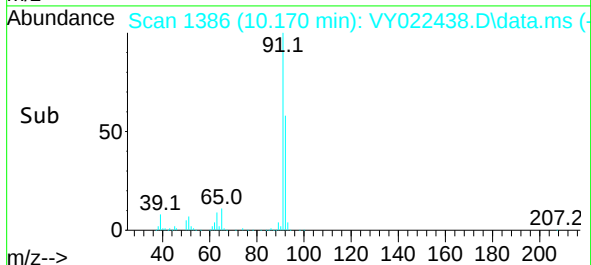
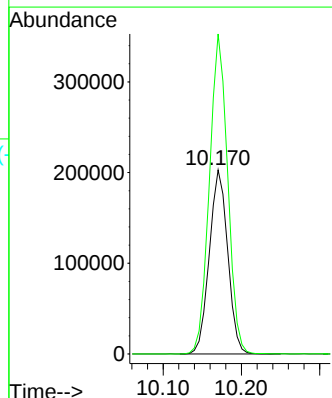
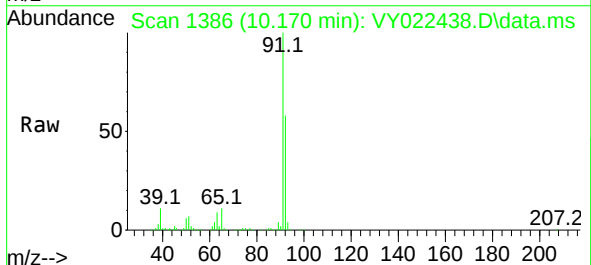
Acq: 27 May 2025 17:10

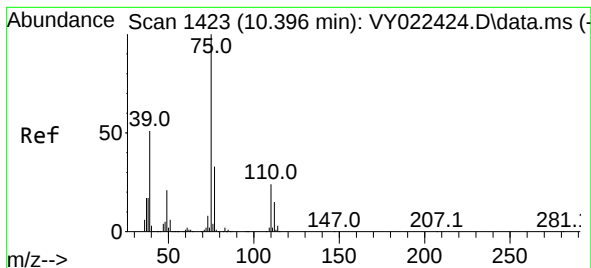
Tgt Ion: 92 Resp: 330369

Ion Ratio Lower Upper

92 100

91 172.7 139.8 209.6

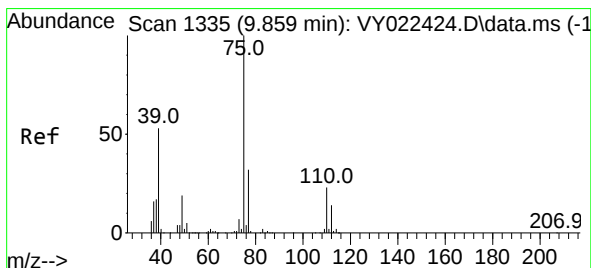
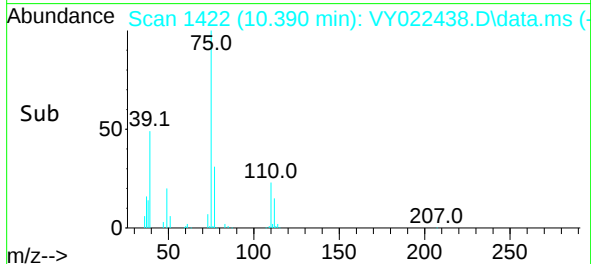
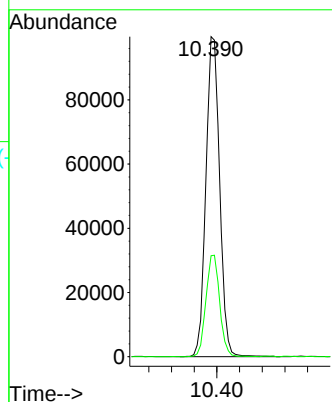
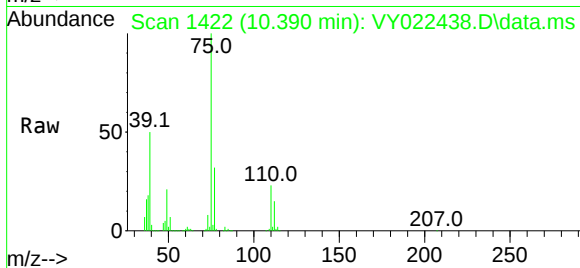




#53  
t-1,3-Dichloropropene  
Concen: 52.902 ug/l  
RT: 10.390 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

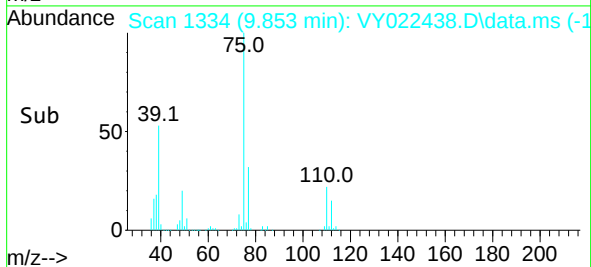
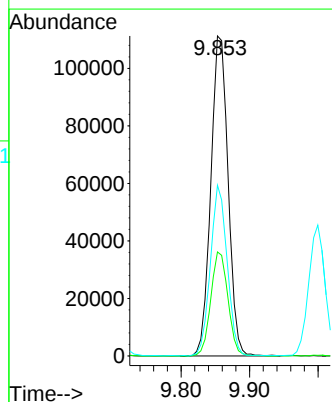
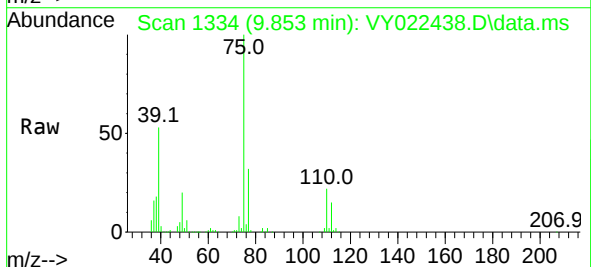
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

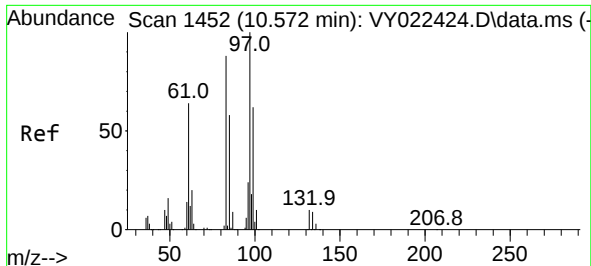
Tgt Ion: 75 Resp: 167640  
Ion Ratio Lower Upper  
75 100  
77 31.6 26.2 39.2



#54  
cis-1,3-Dichloropropene  
Concen: 52.274 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 75 Resp: 194643  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.2  
39 53.3 42.5 63.7

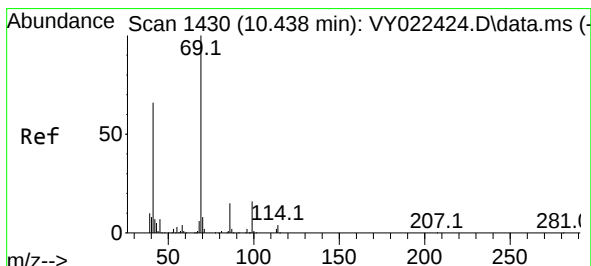
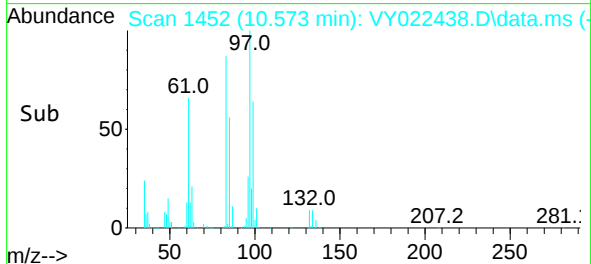
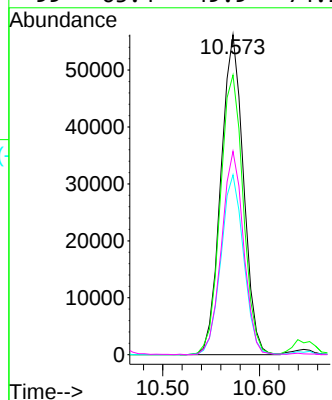
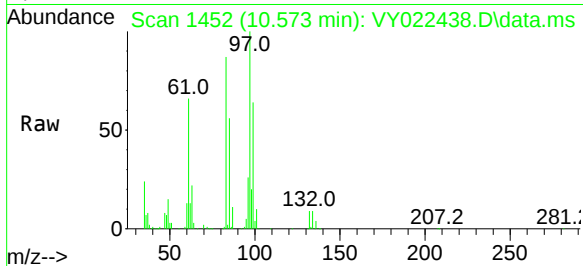




#55  
1,1,2-Trichloroethane  
Concen: 54.365 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

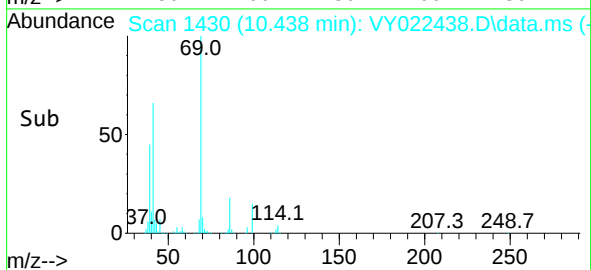
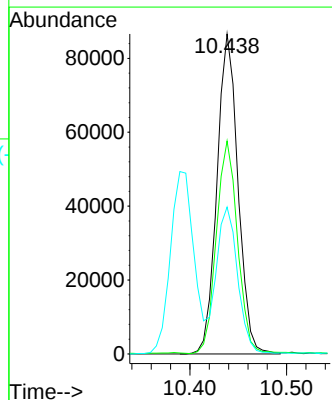
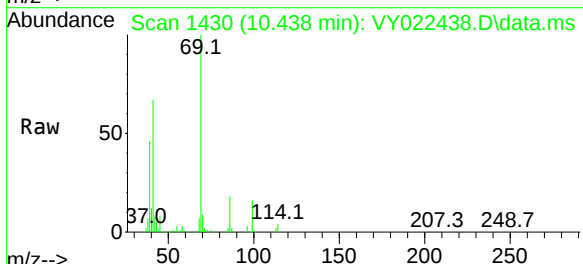
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

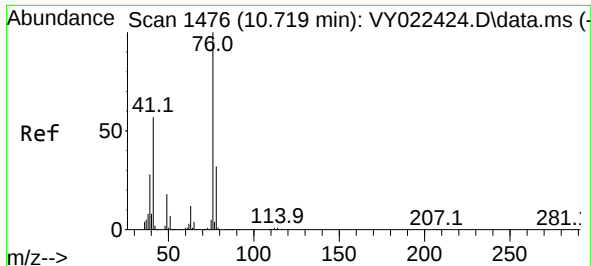
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 90934 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 87.4     | 70.2 105.4  |
| 85 56.2     | 46.1 69.1   |
| 99 63.4     | 49.9 74.9   |



#56  
Ethyl methacrylate  
Concen: 54.468 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 130742 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 67.1     | 51.2 76.8    |
| 39 47.1     | 35.2 52.8    |





#57

1,3-Dichloropropane

Concen: 54.362 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

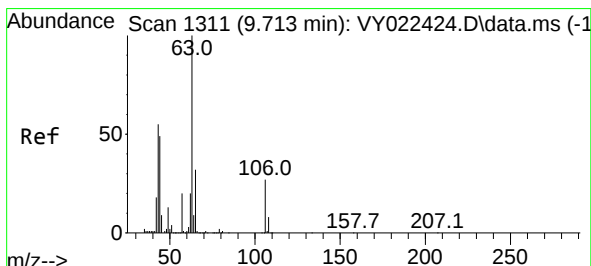
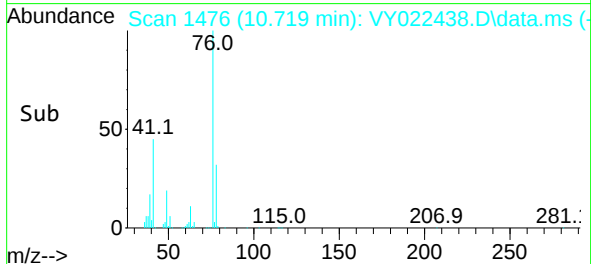
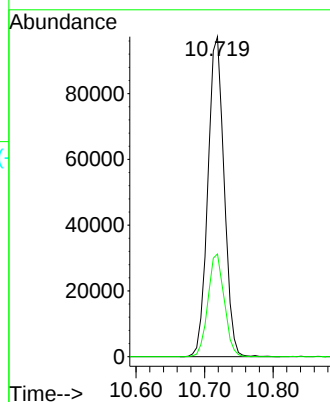
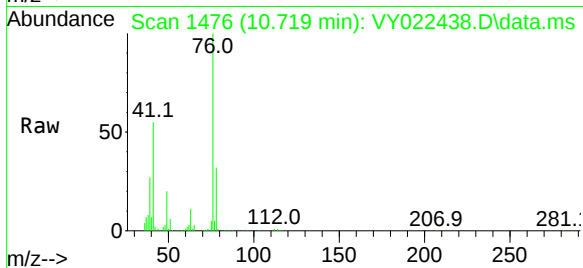
VSTDCCC050EC

Tgt Ion: 76 Resp: 160238

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 282.246 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022438.D

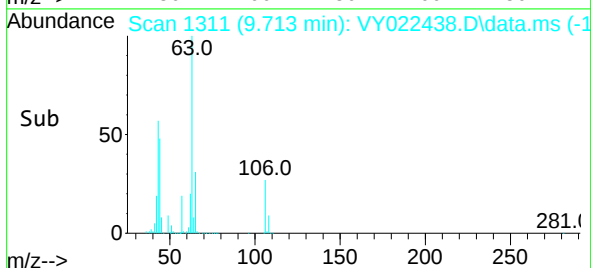
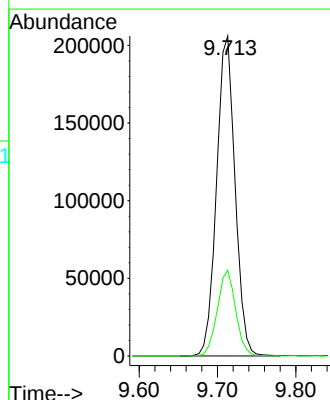
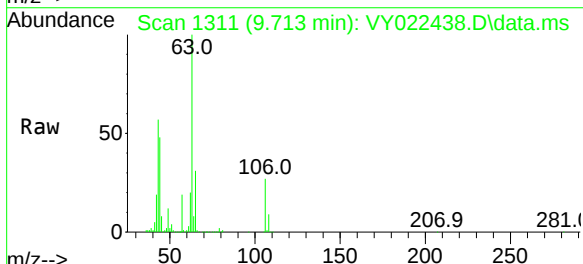
Acq: 27 May 2025 17:10

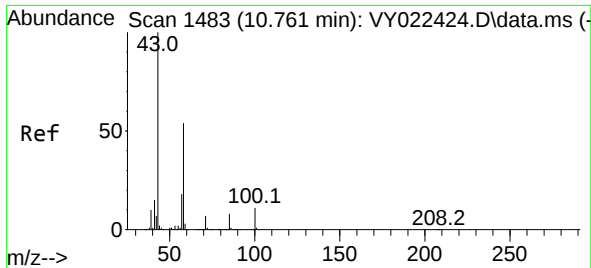
Tgt Ion: 63 Resp: 337645

Ion Ratio Lower Upper

63 100

106 26.6 22.2 33.2

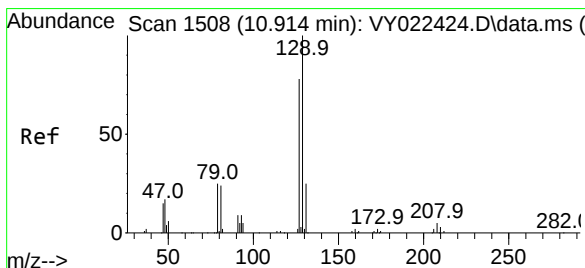
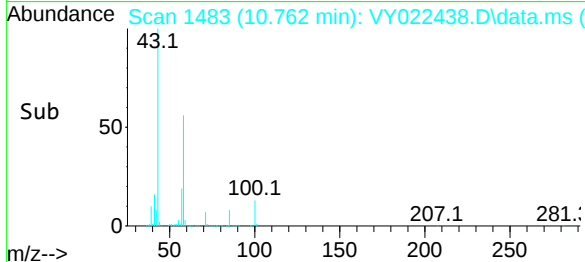
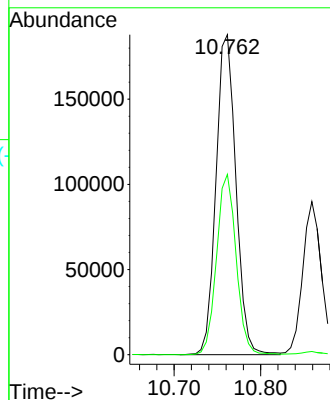
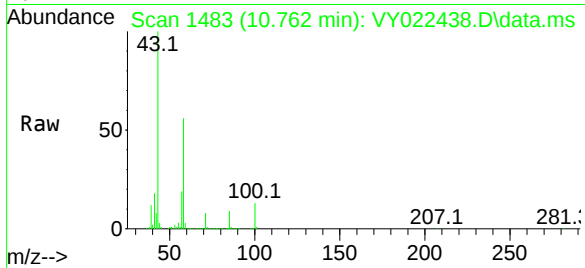




#59  
2-Hexanone  
Concen: 295.339 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

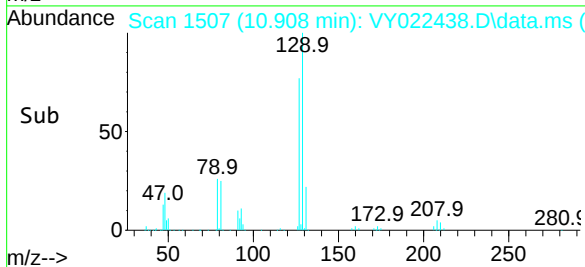
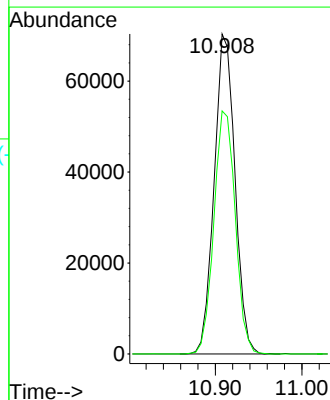
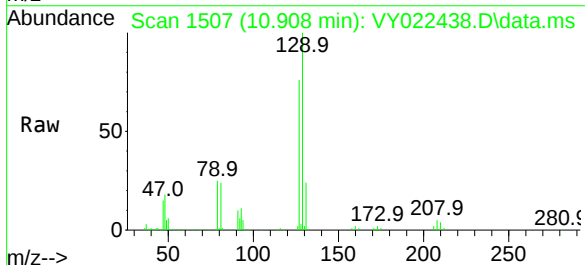
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

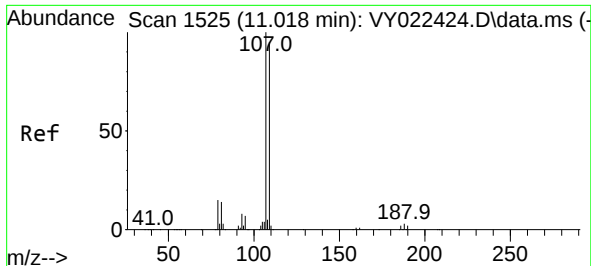
Tgt Ion: 43 Resp: 300417  
Ion Ratio Lower Upper  
43 100  
58 55.4 27.1 81.2



#60  
Dibromochloromethane  
Concen: 54.851 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 129 Resp: 117196  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 55.550 ug/l

RT: 11.018 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

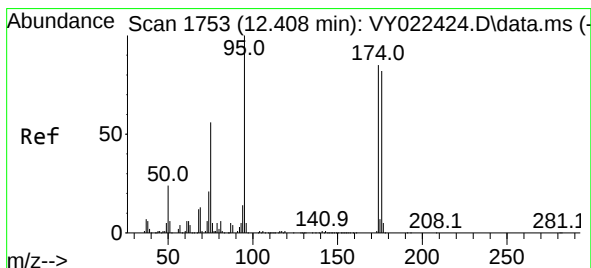
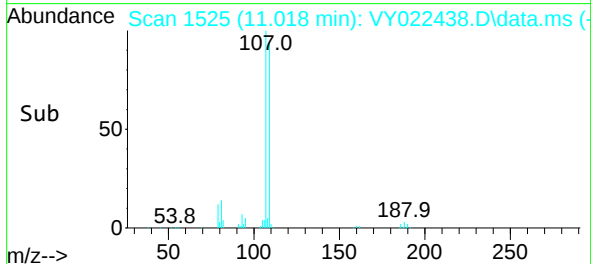
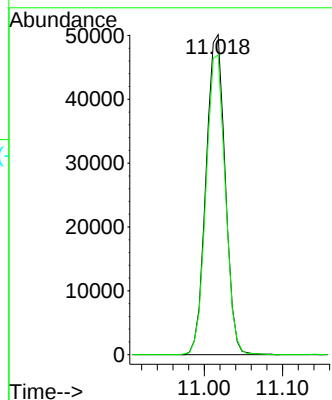
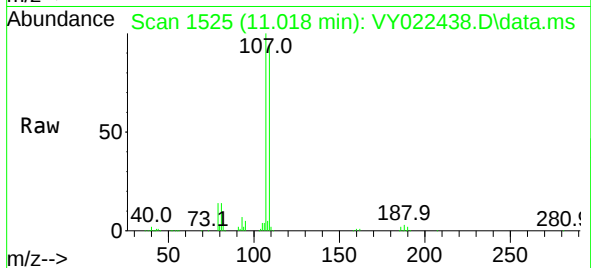
VSTDCCC050EC

Tgt Ion:107 Resp: 84983

Ion Ratio Lower Upper

107 100

109 94.4 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 50.890 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

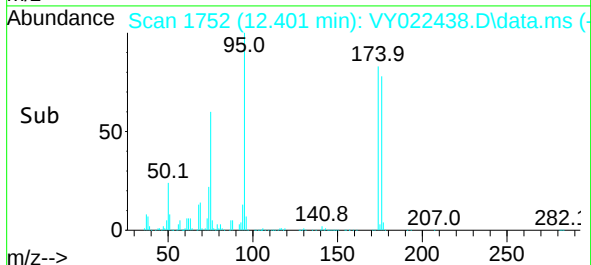
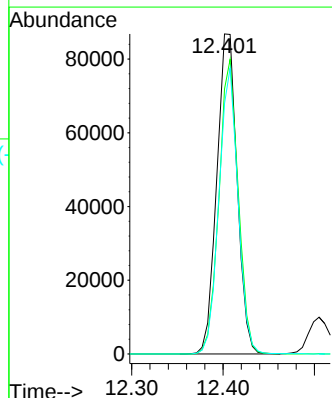
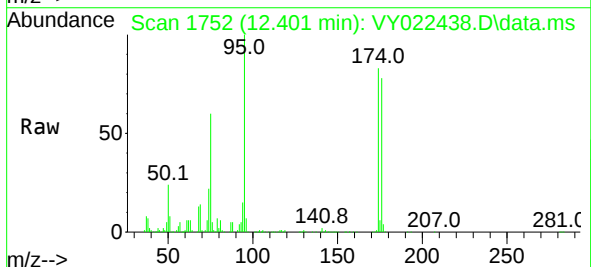
Tgt Ion: 95 Resp: 133956

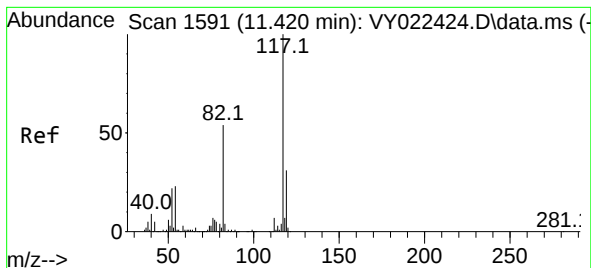
Ion Ratio Lower Upper

95 100

174 87.5 0.0 171.6

176 84.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

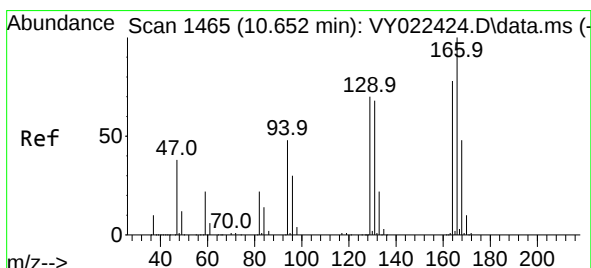
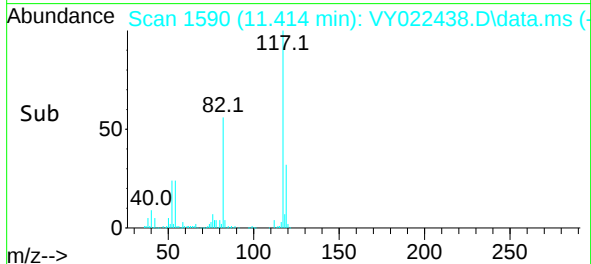
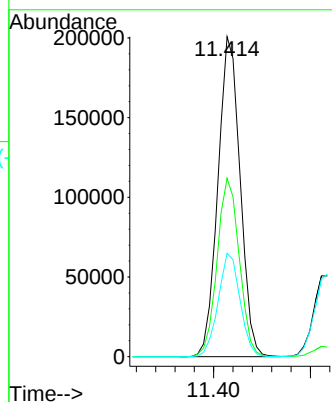
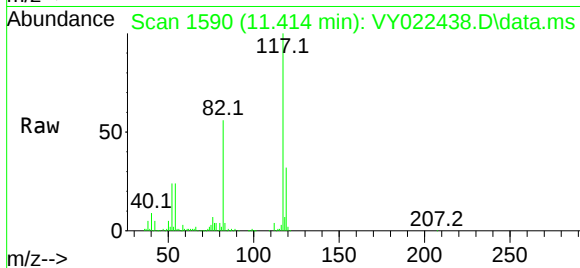
Tgt Ion:117 Resp: 319704

Ion Ratio Lower Upper

117 100

82 55.7 43.3 64.9

119 32.3 24.5 36.7



#64

Tetrachloroethene

Concen: 51.564 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Tgt Ion:164 Resp: 140398

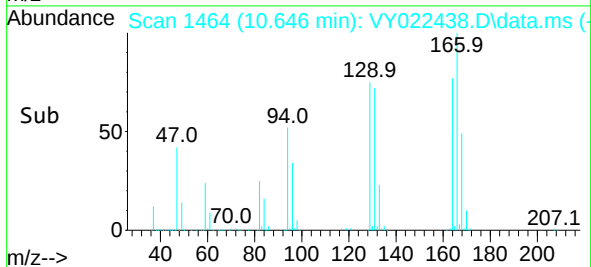
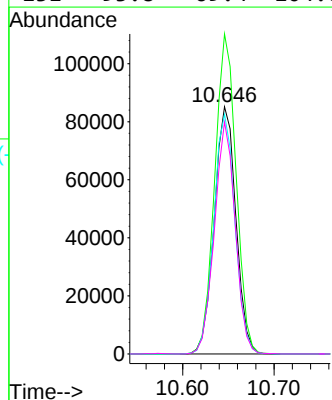
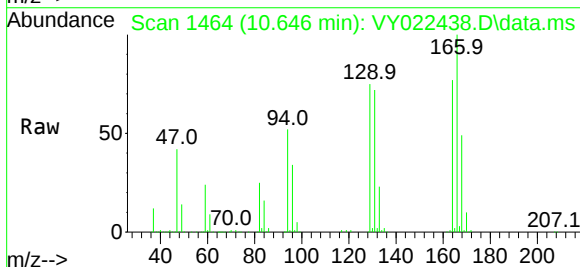
Ion Ratio Lower Upper

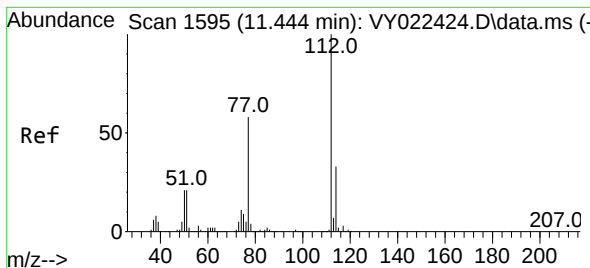
164 100

166 129.4 102.0 153.0

129 97.0 71.3 106.9

131 93.8 69.4 104.0

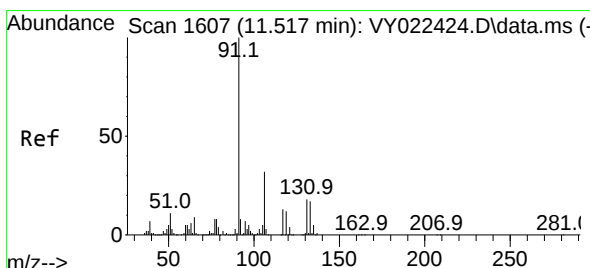
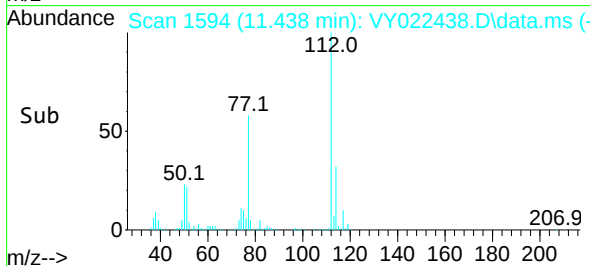
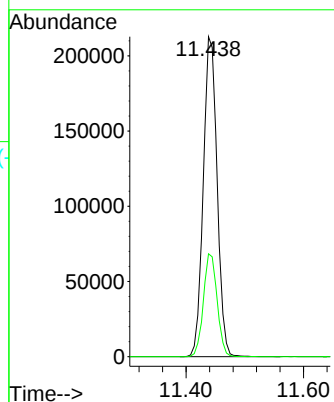
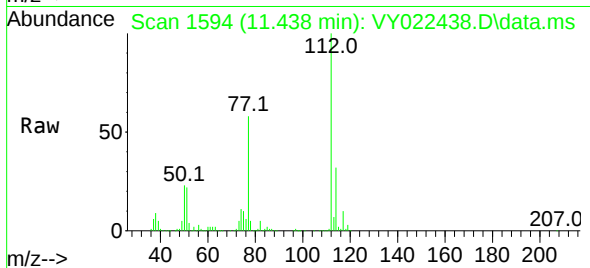




#65  
Chlorobenzene  
Concen: 51.070 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

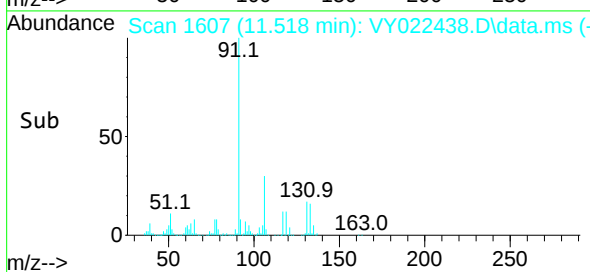
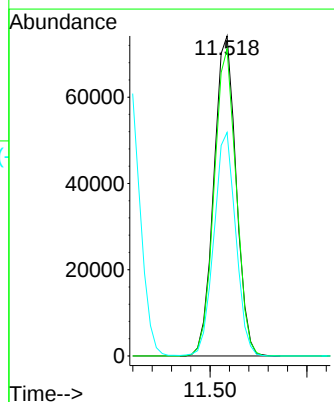
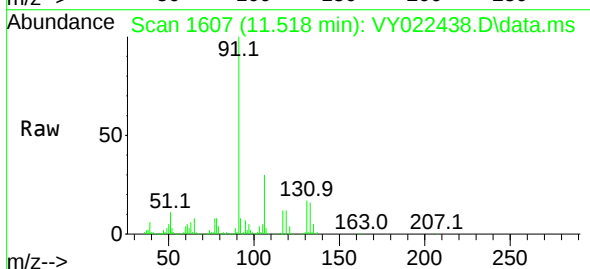
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

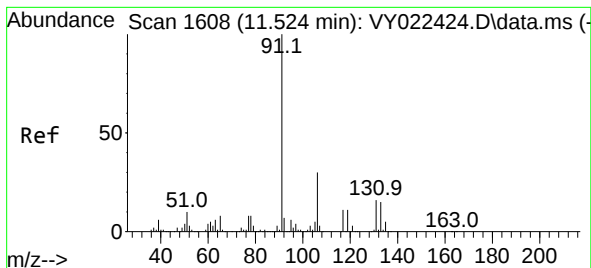
Tgt Ion:112 Resp: 348144  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.150 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion:131 Resp: 118142  
Ion Ratio Lower Upper  
131 100  
133 95.0 46.6 139.8  
119 68.5 33.3 99.8





#67

Ethyl Benzene

Concen: 50.620 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

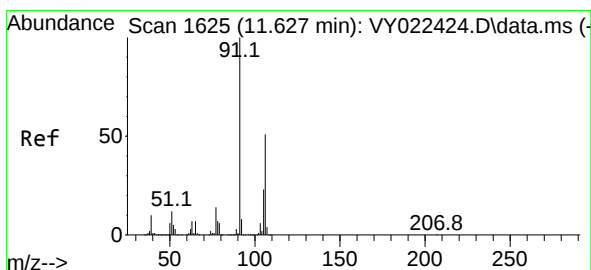
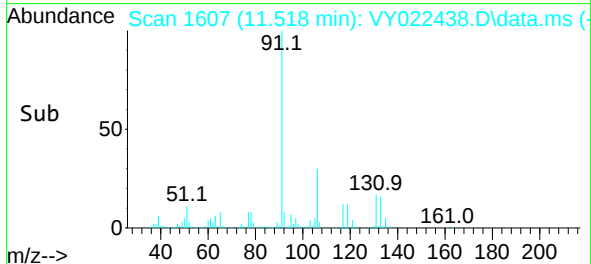
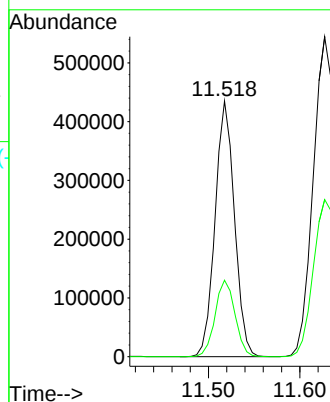
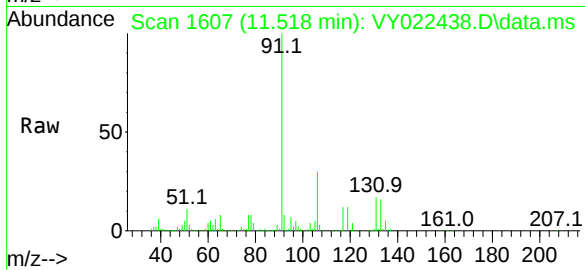
VSTDCCC050EC

Tgt Ion: 91 Resp: 640745

Ion Ratio Lower Upper

91 100

106 29.9 24.4 36.6



#68

m/p-Xylenes

Concen: 101.074 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY022438.D

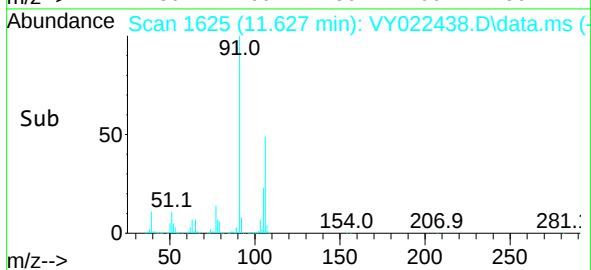
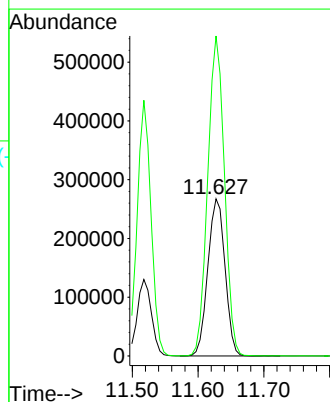
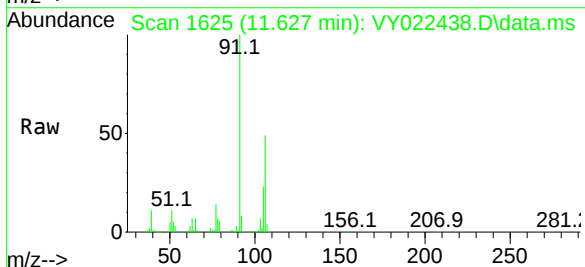
Acq: 27 May 2025 17:10

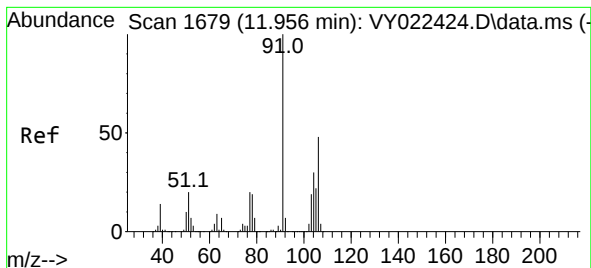
Tgt Ion:106 Resp: 485062

Ion Ratio Lower Upper

106 100

91 198.6 159.8 239.8





#69

o-Xylene

Concen: 51.375 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

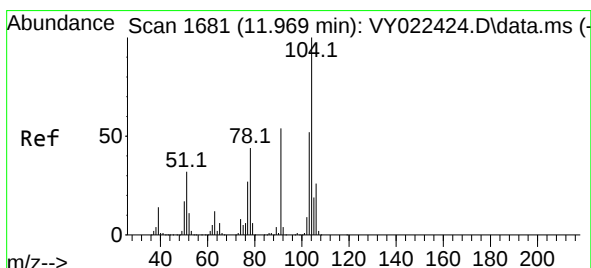
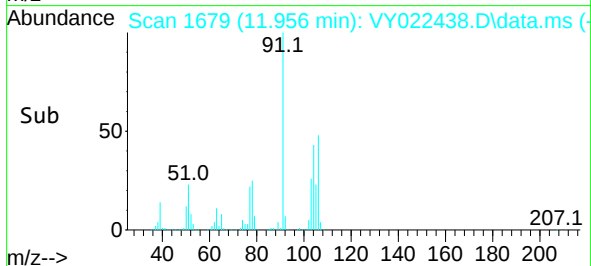
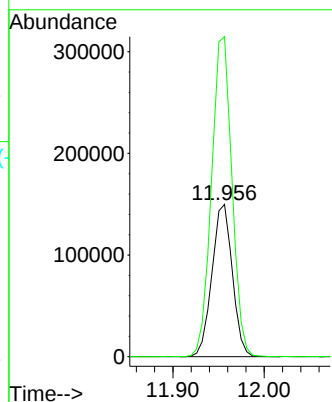
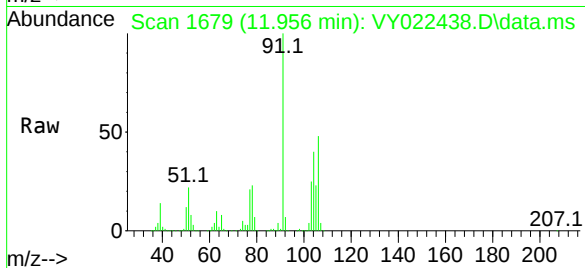
VSTDCCC050EC

Tgt Ion:106 Resp: 231722

Ion Ratio Lower Upper

106 100

91 211.1 106.3 318.9



#70

Styrene

Concen: 52.127 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

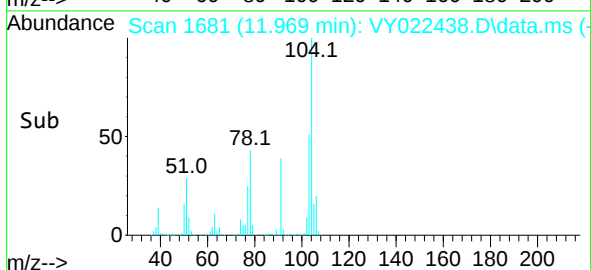
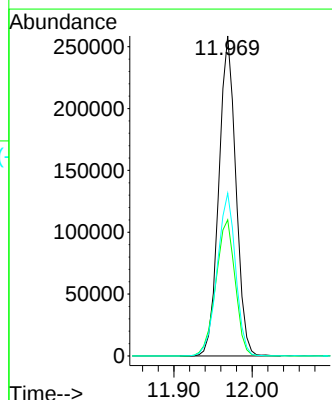
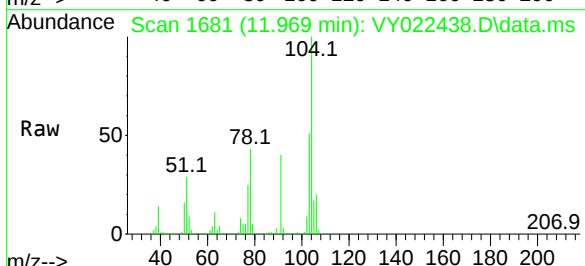
Tgt Ion:104 Resp: 391490

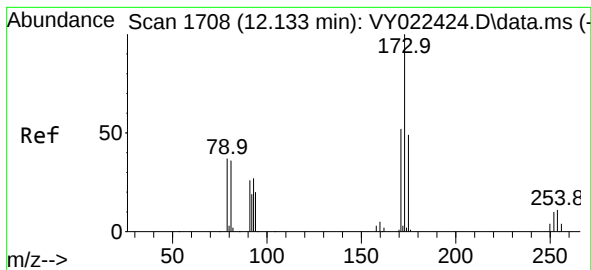
Ion Ratio Lower Upper

104 100

78 48.1 38.8 58.2

103 54.9 43.4 65.2





#71

Bromoform

Concen: 53.724 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

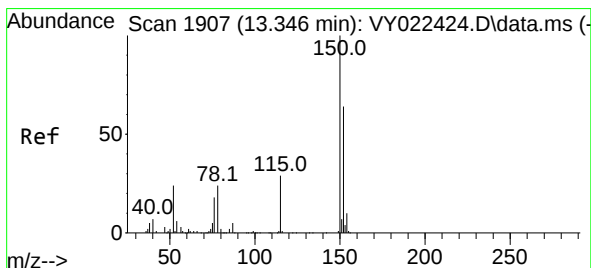
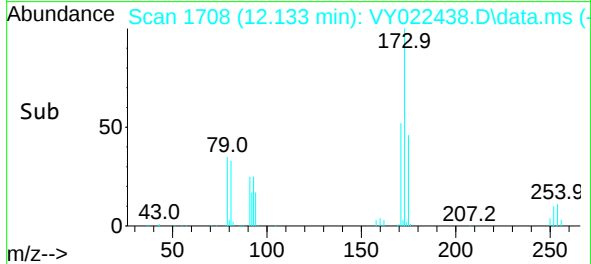
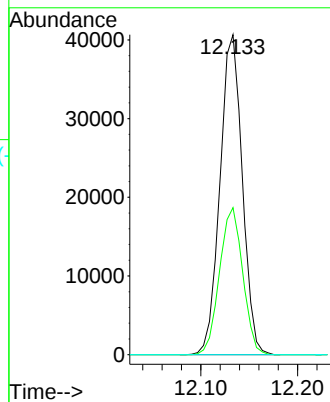
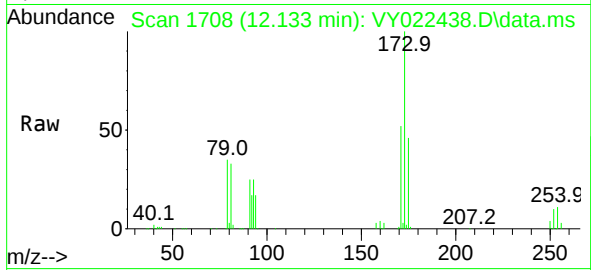
Tgt Ion:173 Resp: 64997

Ion Ratio Lower Upper

173 100

175 47.8 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

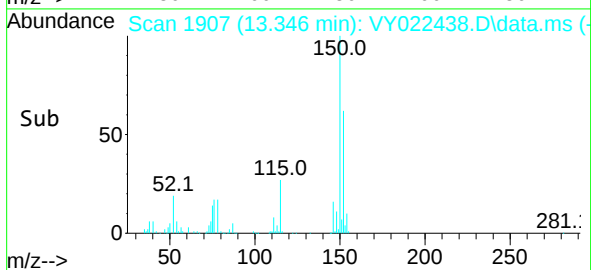
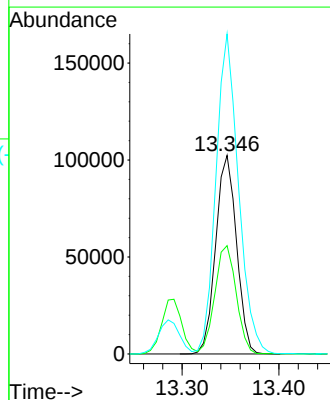
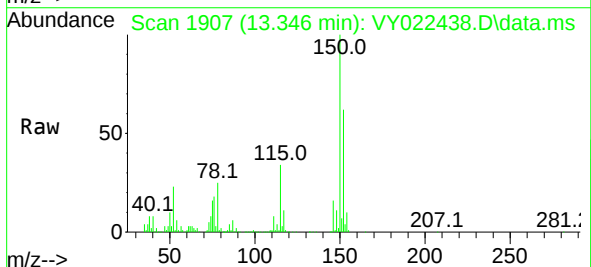
Tgt Ion:152 Resp: 153246

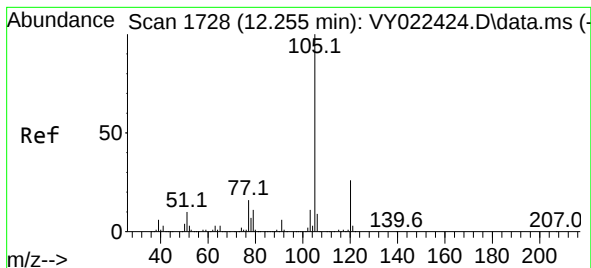
Ion Ratio Lower Upper

152 100

115 56.2 28.4 85.3

150 174.3 0.0 345.8





#73

Isopropylbenzene

Concen: 48.816 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

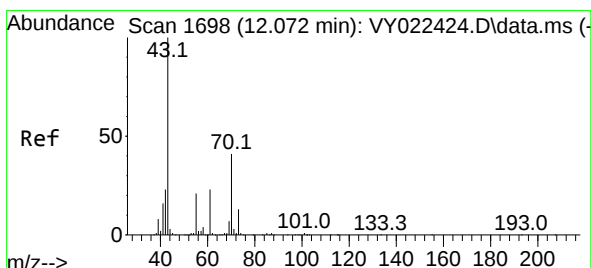
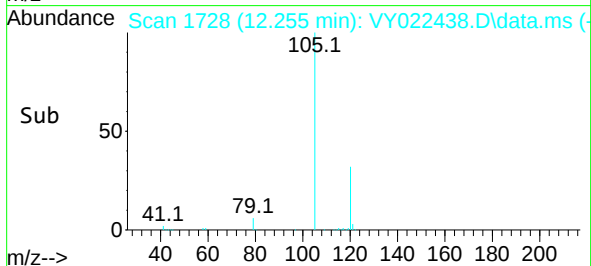
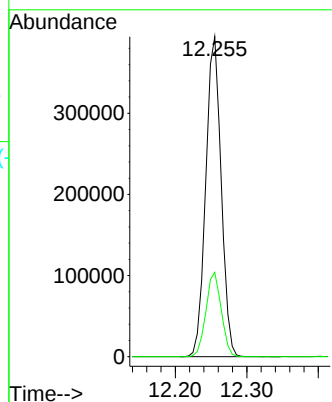
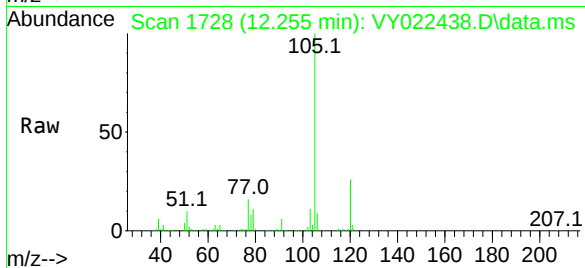
VSTDCCC050EC

Tgt Ion:105 Resp: 588766

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



#74

N-ethyl acetate

Concen: 51.341 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Tgt Ion: 43 Resp: 151521

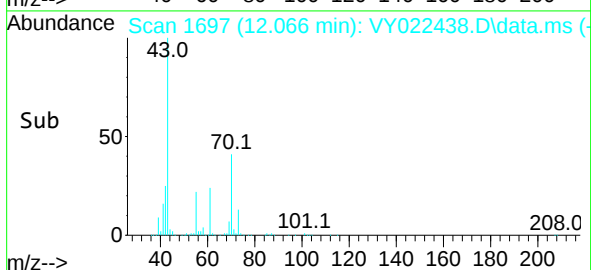
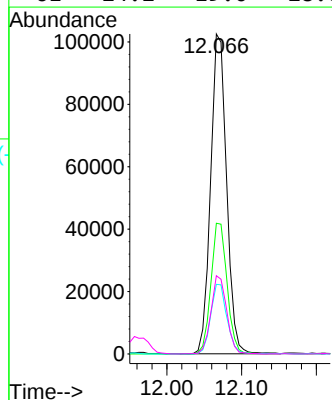
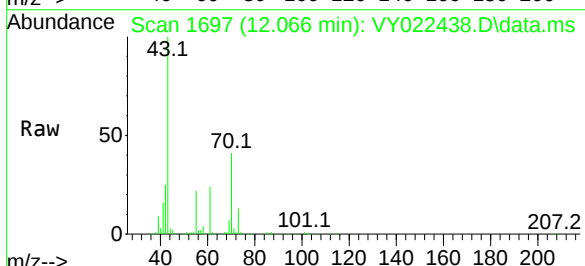
Ion Ratio Lower Upper

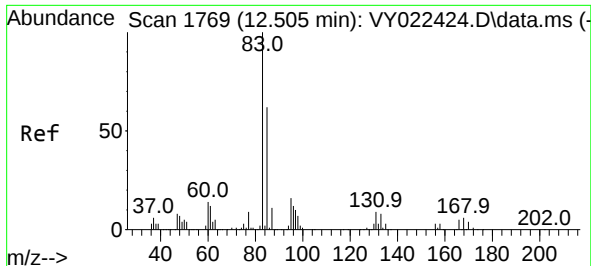
43 100

70 41.5 33.0 49.4

55 22.2 17.5 26.3

61 24.2 19.0 28.6

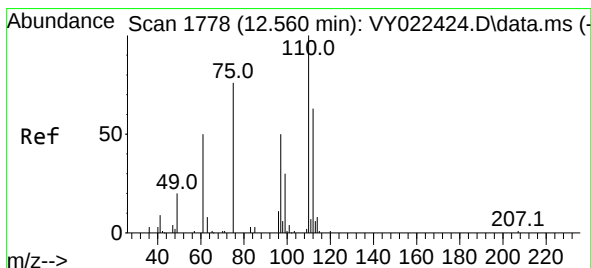
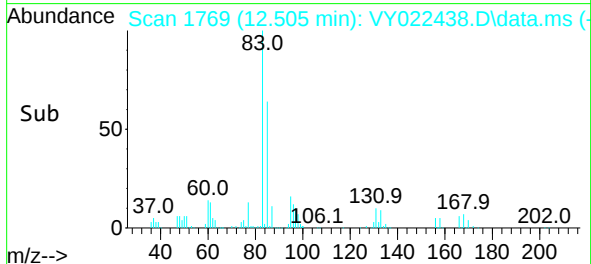
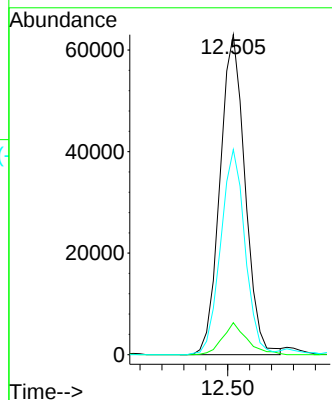
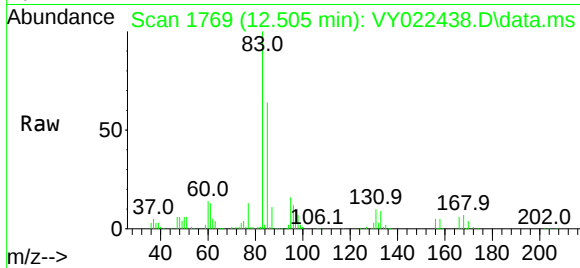




#75  
1,1,2,2-Tetrachloroethane  
Concen: 52.620 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

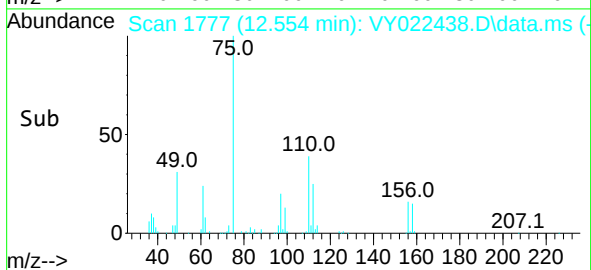
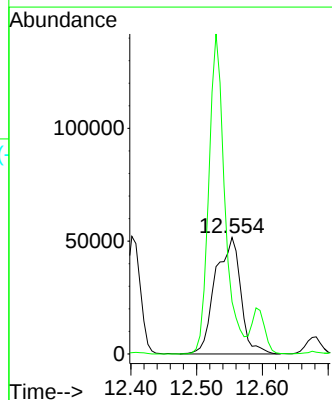
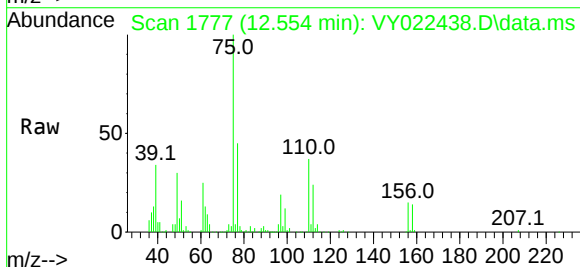
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

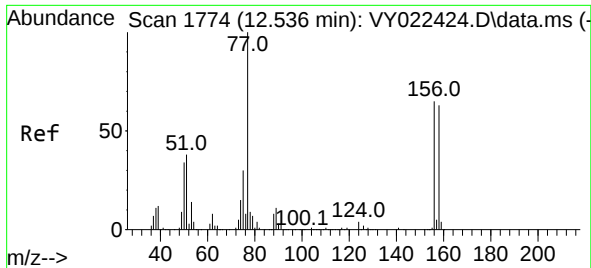
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 99990 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 9.8   | 4.8   | 14.4  |
| 85       | 62.3  | 32.0  | 96.2  |



#76  
1,2,3-Trichloropropane  
Concen: 90.568 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 139022 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 0.0   | 0.0   | 0.0    |

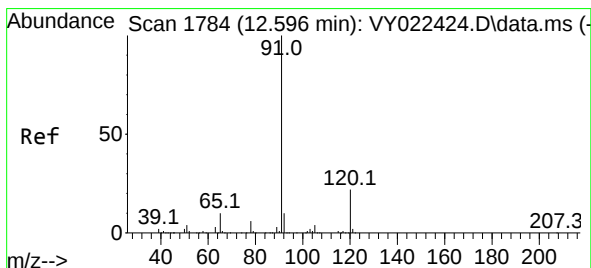
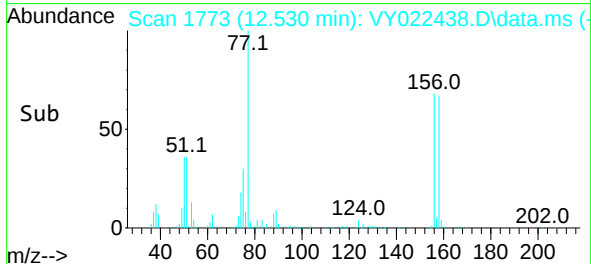
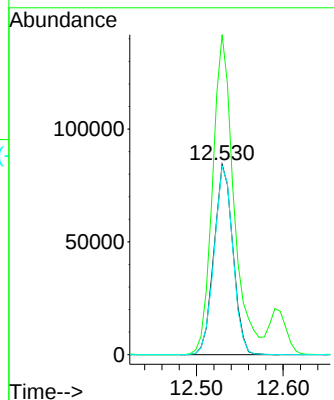
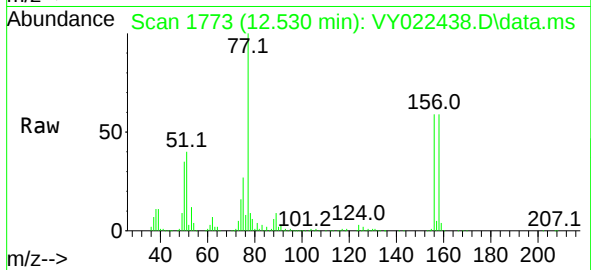




#77  
Bromobenzene  
Concen: 49.317 ug/l  
RT: 12.530 min Scan# 1773  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

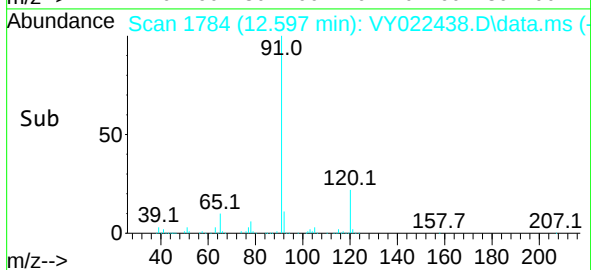
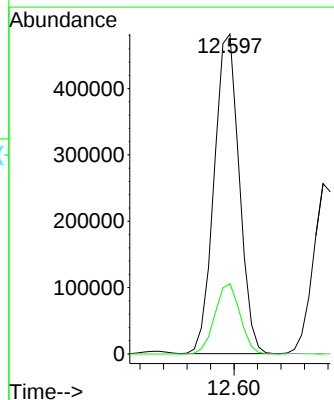
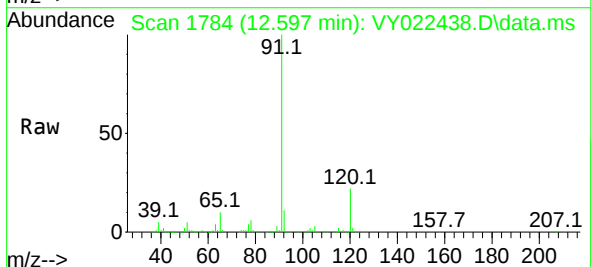
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

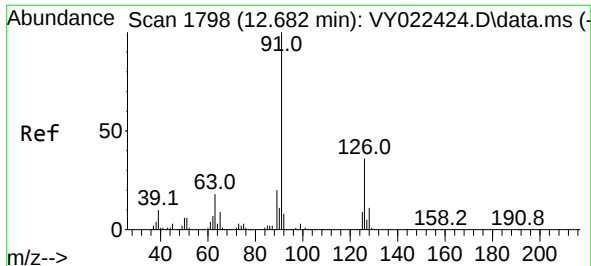
Tgt Ion:156 Resp: 128001  
Ion Ratio Lower Upper  
156 100  
77 187.8 91.4 274.2  
158 98.4 48.1 144.3



#78  
n-propylbenzene  
Concen: 49.384 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 91 Resp: 714786  
Ion Ratio Lower Upper  
91 100  
120 22.1 11.2 33.5

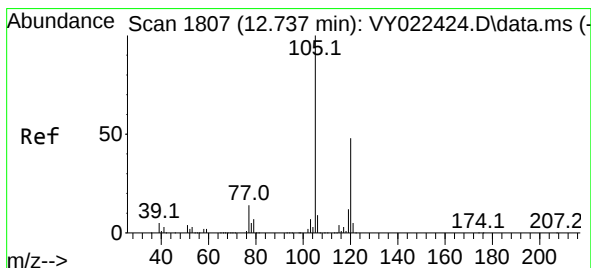
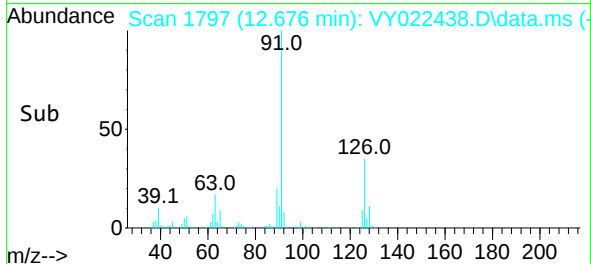
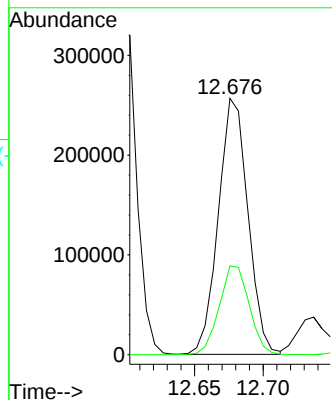
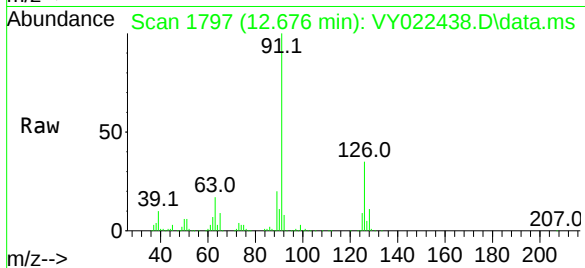




#79  
2-Chlorotoluene  
Concen: 49.327 ug/l  
RT: 12.676 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

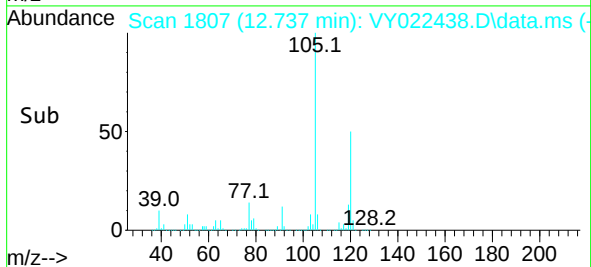
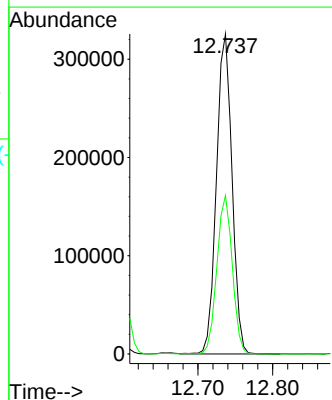
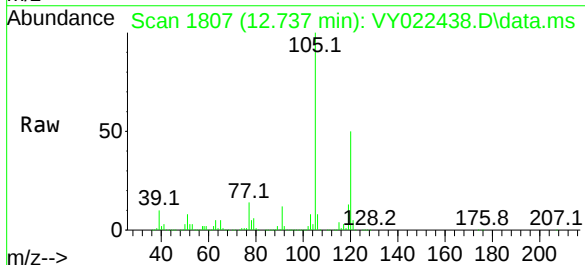
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

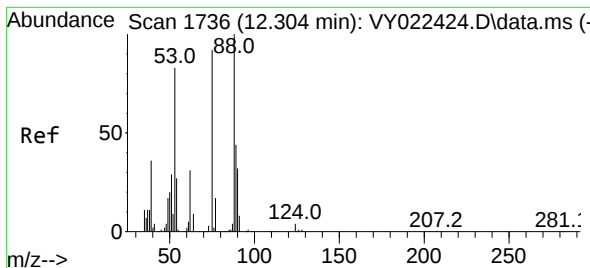
Tgt Ion: 91 Resp: 386484  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 49.937 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion:105 Resp: 470592  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.3 73.0

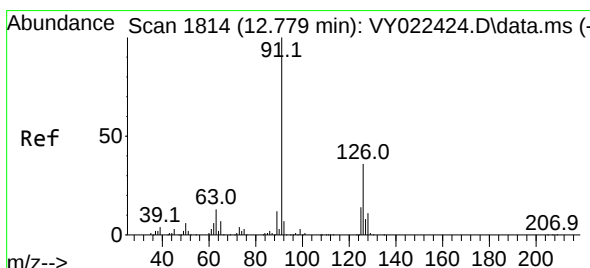
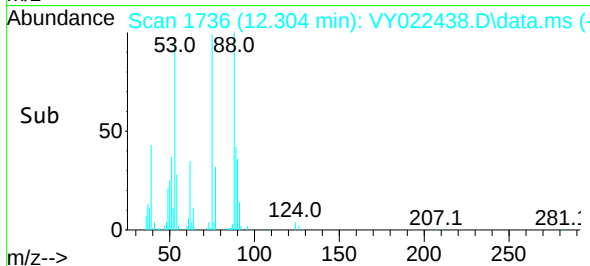
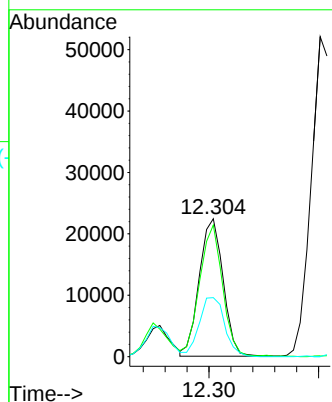
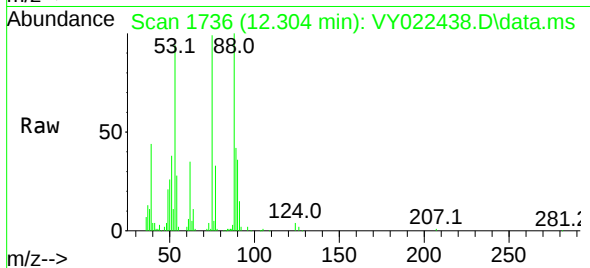




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.765 ug/l  
RT: 12.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

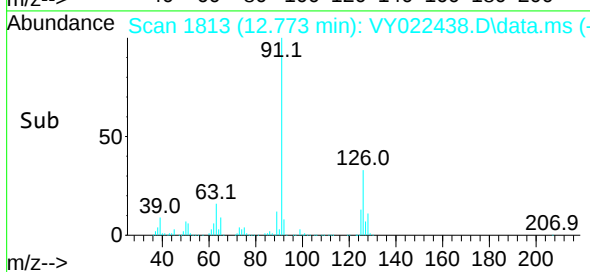
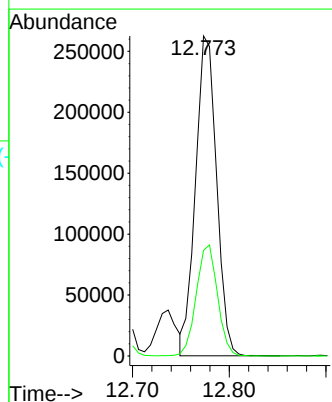
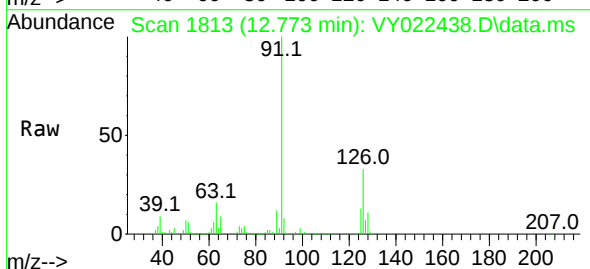
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

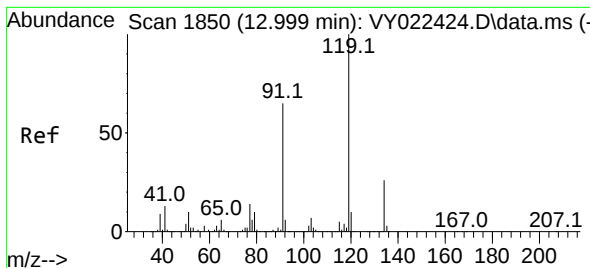
Tgt Ion: 75 Resp: 33779  
Ion Ratio Lower Upper  
75 100  
53 93.5 75.1 112.7  
89 46.3 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 49.180 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY022438.D  
Acq: 27 May 2025 17:10

Tgt Ion: 91 Resp: 396857  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.2 51.6





#83

tert-Butylbenzene

Concen: 49.935 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

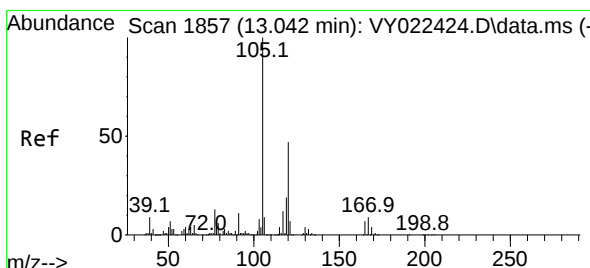
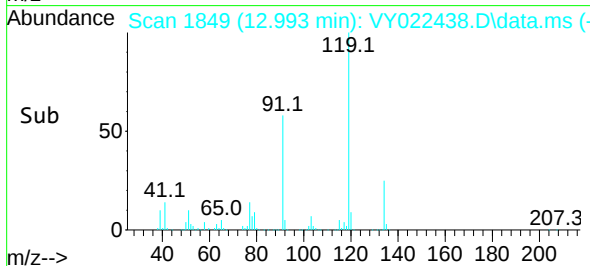
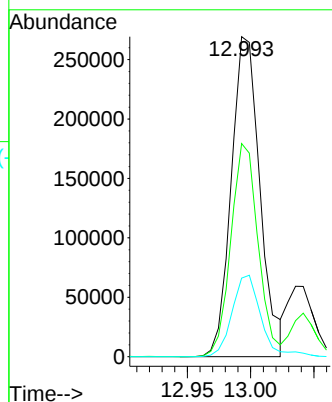
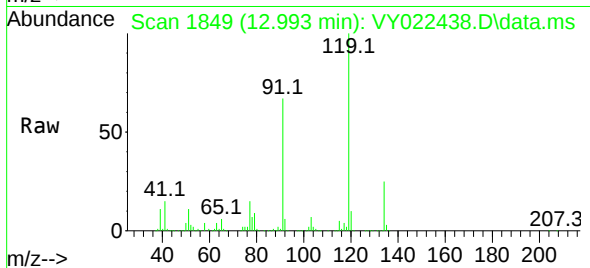
Tgt Ion:119 Resp: 425162

Ion Ratio Lower Upper

119 100

91 63.2 31.8 95.3

134 25.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 50.013 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022438.D

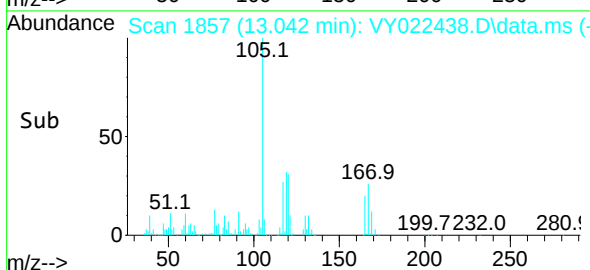
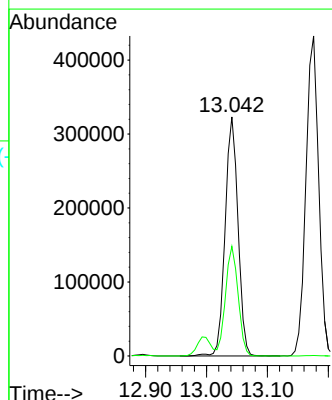
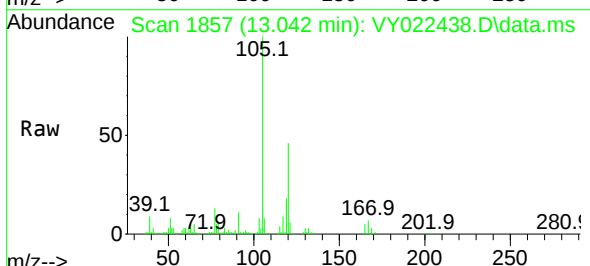
Acq: 27 May 2025 17:10

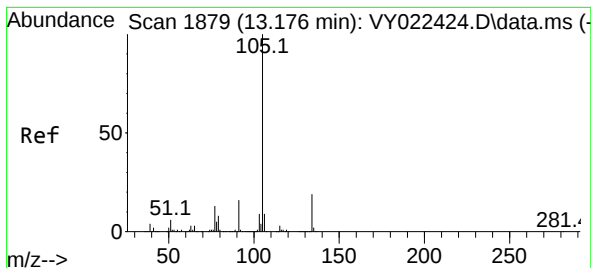
Tgt Ion:105 Resp: 474294

Ion Ratio Lower Upper

105 100

120 44.7 22.9 68.5

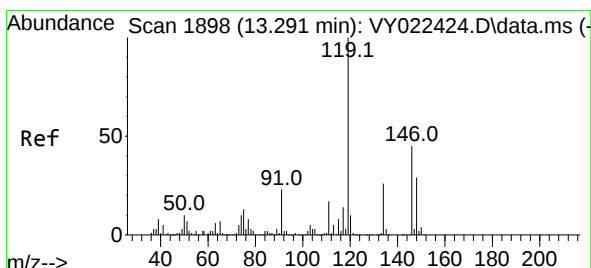
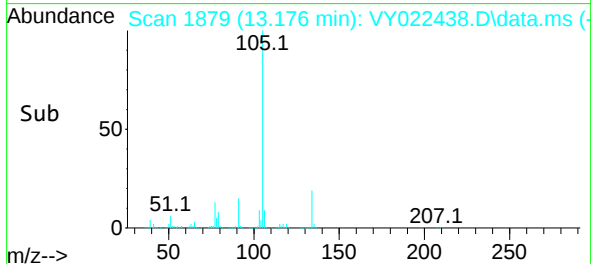
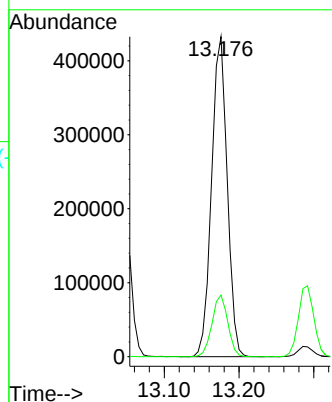
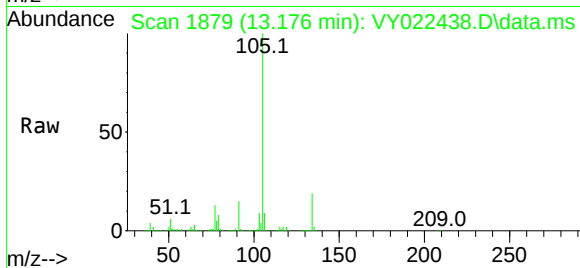




#85  
 sec-Butylbenzene  
 Concen: 49.747 ug/l  
 RT: 13.176 min Scan# 1879  
 Delta R.T. 0.000 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

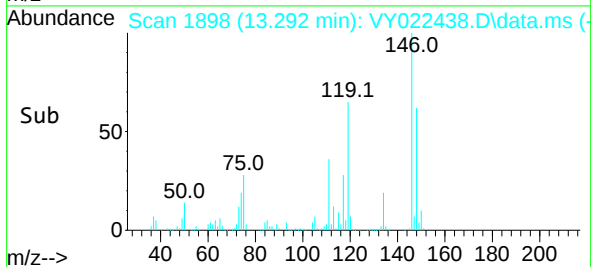
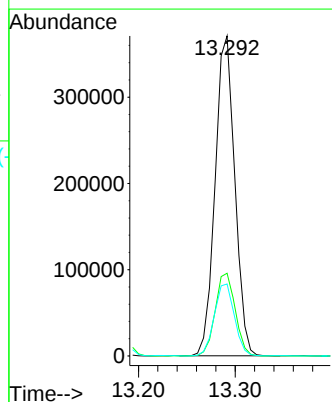
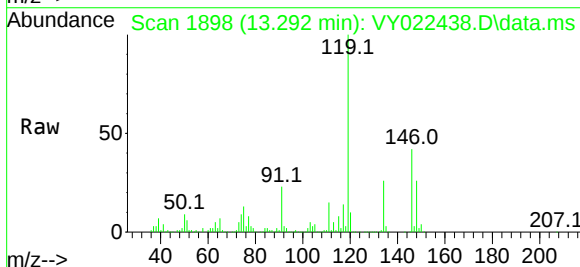
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

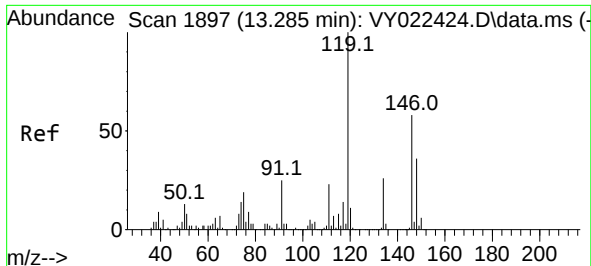
Tgt Ion:105 Resp: 628153  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 49.668 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

Tgt Ion:119 Resp: 523705  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.0 39.0  
 91 23.0 11.6 34.8

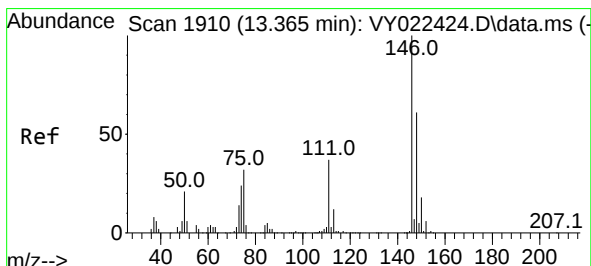
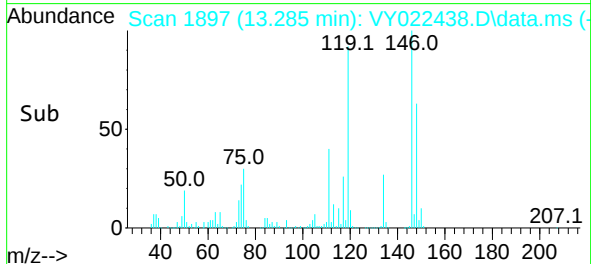
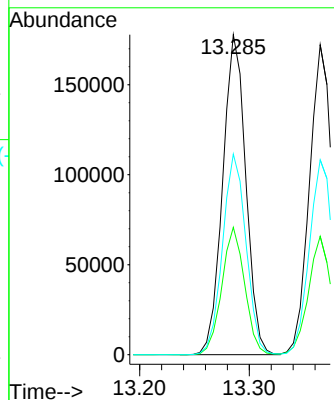
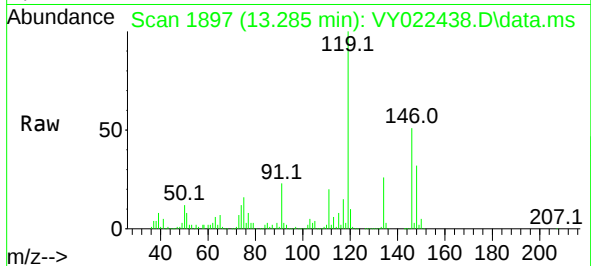




#87  
 1,3-Dichlorobenzene  
 Concen: 49.914 ug/l  
 RT: 13.285 min Scan# 1897  
 Delta R.T. 0.000 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

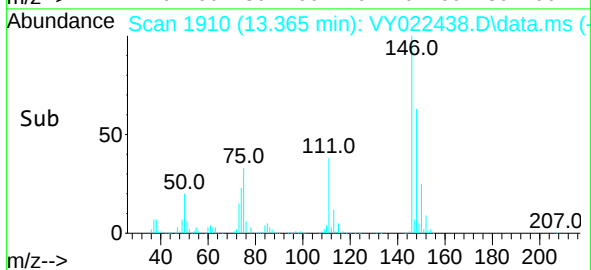
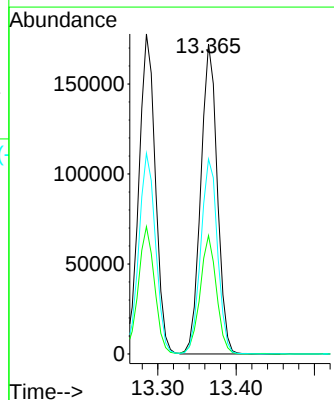
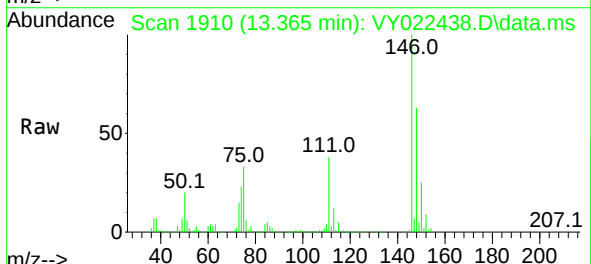
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

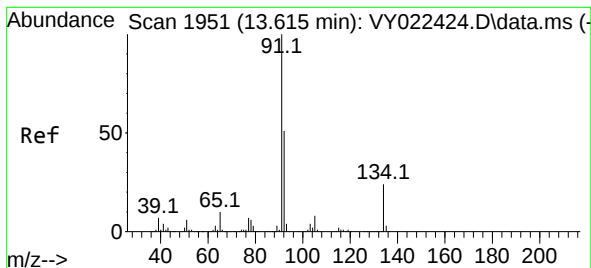
Tgt Ion:146 Resp: 260669  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 19.6 58.8  
 148 63.7 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 50.528 ug/l  
 RT: 13.365 min Scan# 1910  
 Delta R.T. 0.000 min  
 Lab File: VY022438.D  
 Acq: 27 May 2025 17:10

Tgt Ion:146 Resp: 252310  
 Ion Ratio Lower Upper  
 146 100  
 111 37.7 18.7 56.1  
 148 64.1 31.4 94.3





#89

n-Butylbenzene

Concen: 49.721 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

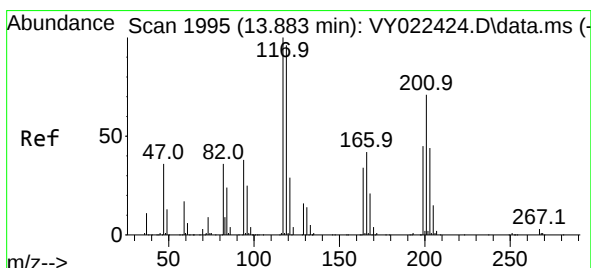
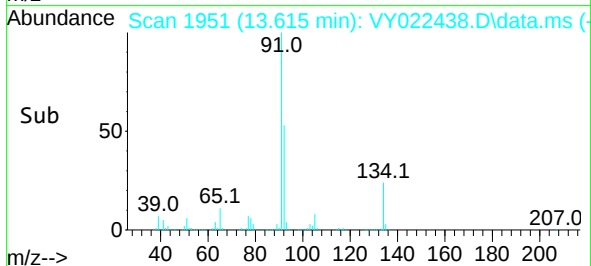
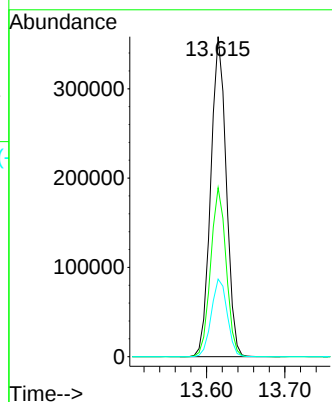
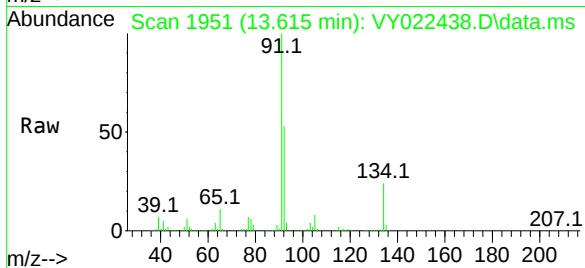
Tgt Ion: 91 Resp: 491561

Ion Ratio Lower Upper

91 100

92 52.7 25.9 77.6

134 24.9 12.4 37.0



#90

Hexachloroethane

Concen: 50.407 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY022438.D

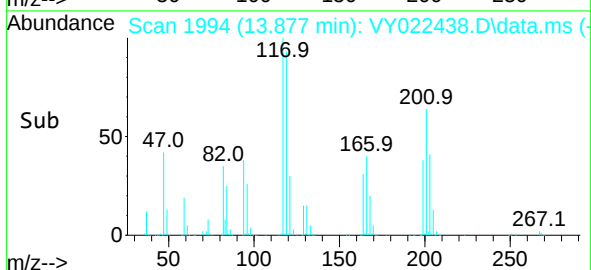
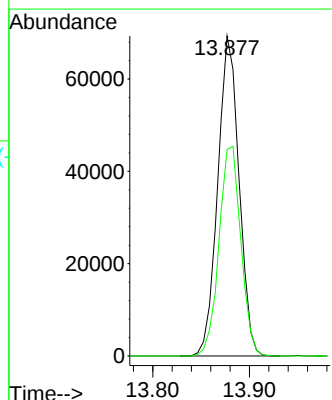
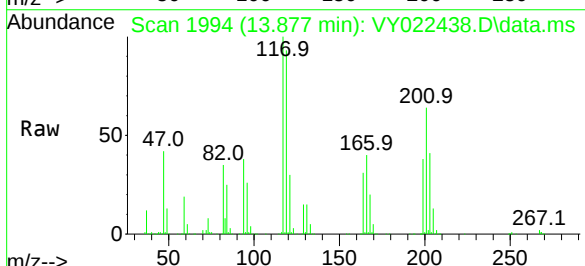
Acq: 27 May 2025 17:10

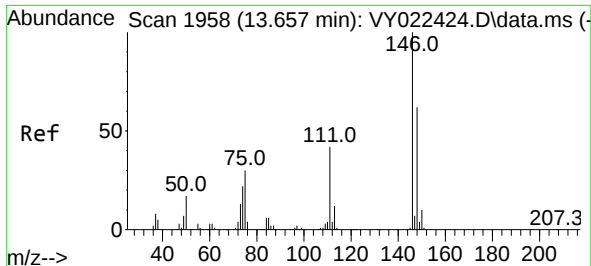
Tgt Ion: 117 Resp: 105769

Ion Ratio Lower Upper

117 100

201 67.3 35.0 105.0





#91

1,2-Dichlorobenzene

Concen: 52.043 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

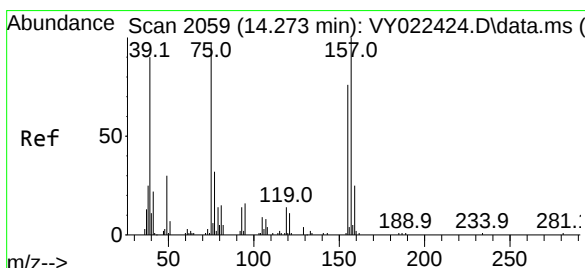
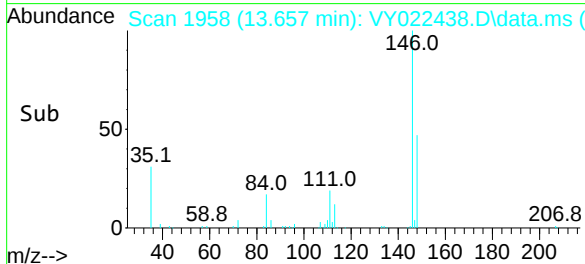
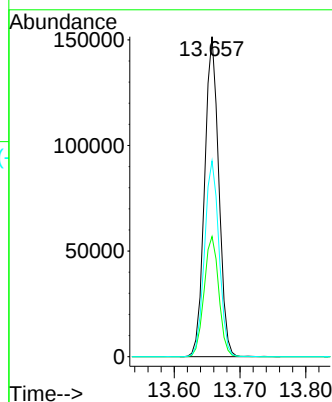
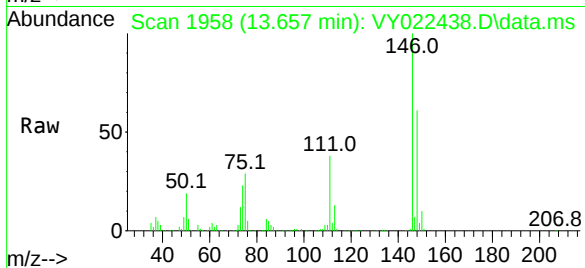
Tgt Ion:146 Resp: 227011

Ion Ratio Lower Upper

146 100

111 38.9 20.5 61.6

148 62.6 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.375 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

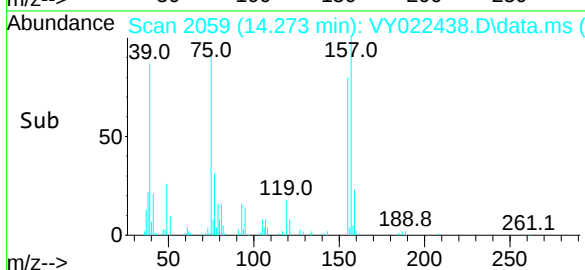
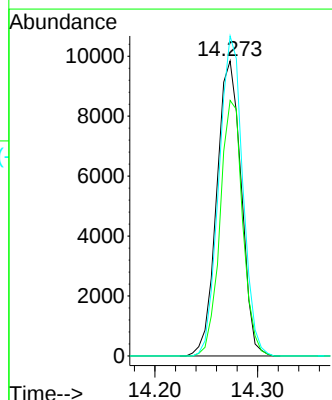
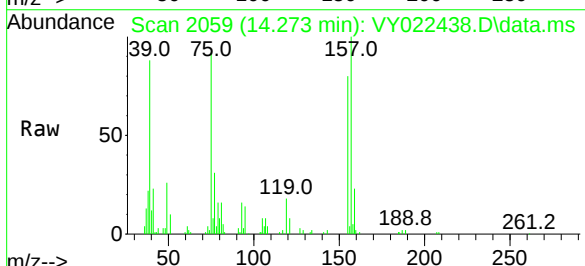
Tgt Ion: 75 Resp: 16260

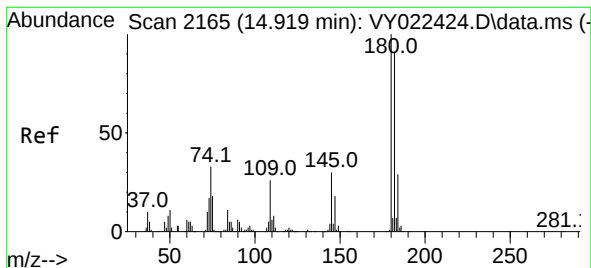
Ion Ratio Lower Upper

75 100

155 80.1 42.3 126.8

157 105.5 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 51.685 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

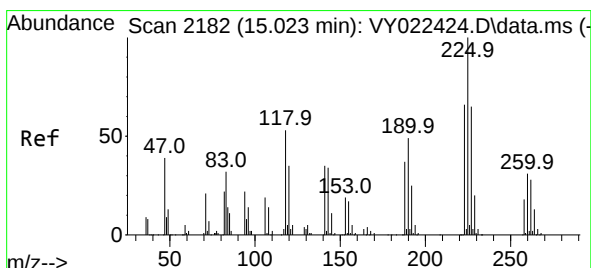
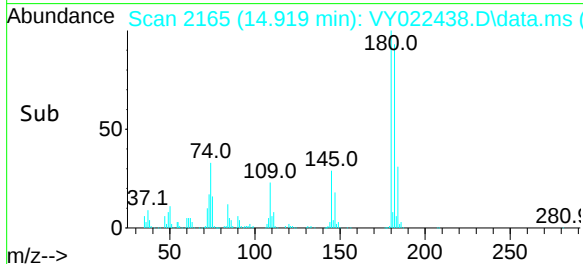
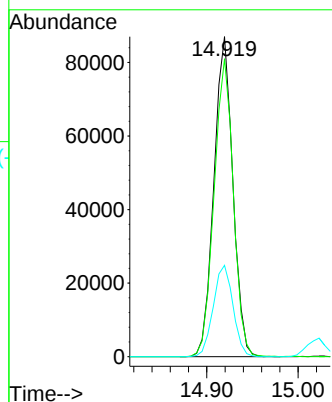
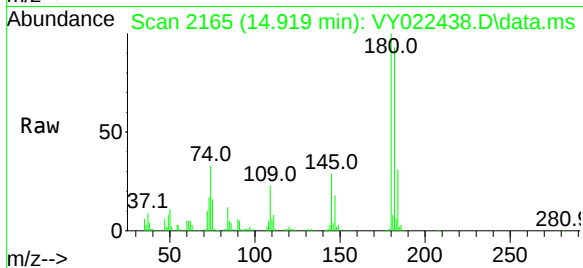
Tgt Ion:180 Resp: 124984

Ion Ratio Lower Upper

180 100

182 94.7 46.2 138.6

145 29.8 14.2 42.8



#94

Hexachlorobutadiene

Concen: 50.042 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

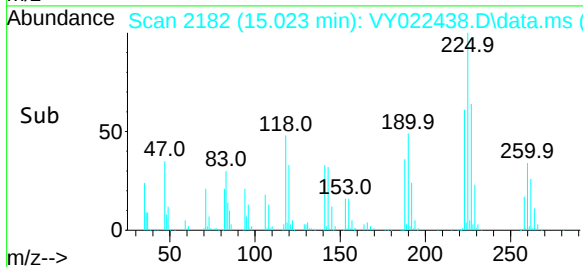
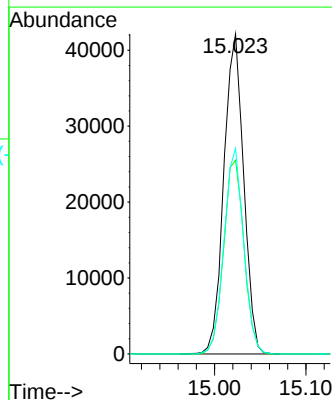
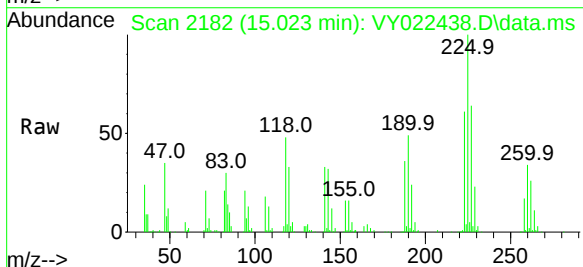
Tgt Ion:225 Resp: 63507

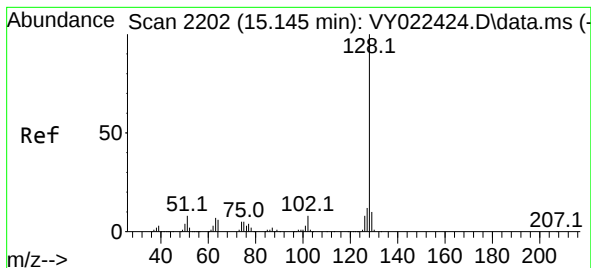
Ion Ratio Lower Upper

225 100

223 62.2 32.6 97.7

227 63.9 33.0 99.0





#95

Naphthalene

Concen: 56.592 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

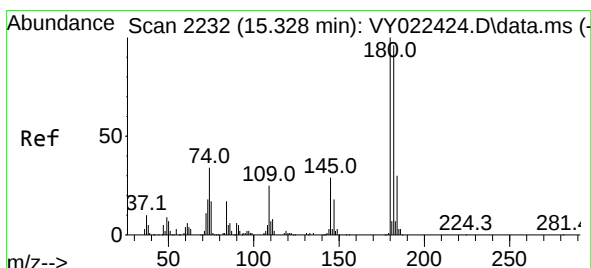
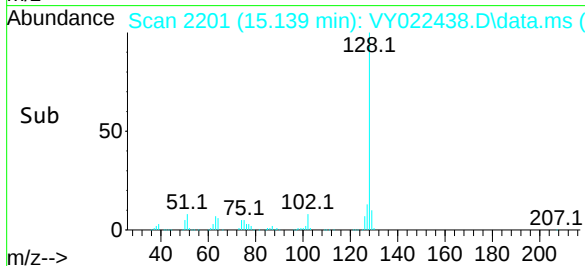
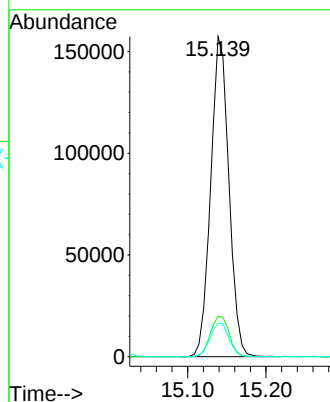
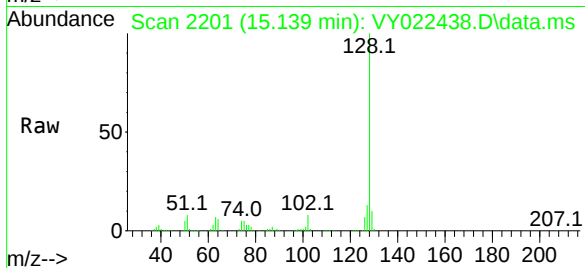
Tgt Ion:128 Resp: 252996

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.0 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 53.776 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022438.D

Acq: 27 May 2025 17:10

Tgt Ion:180 Resp: 106651

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.3

145 31.3 14.9 44.5

