

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070623\  
 Data File : VY014593.D  
 Acq On : 06 Jul 2023 17:07  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jul 07 06:16:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 331993   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.679  | 114  | 488468   | 50.000 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 463874   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 248584   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |       |
|-----------------------------|--------|-------|----------|----------|------------|-------|
| System Monitoring Compounds |        |       |          |          |            |       |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 183830   | 55.662   | ug/l       | -0.01 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 111.320% |       |
| 35) Dibromofluoromethane    | 7.704  | 113   | 169438   | 56.329   | ug/l       | -0.01 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 112.660% |       |
| 50) Toluene-d8              | 10.173 | 98    | 645945   | 54.322   | ug/l       | 0.00  |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 108.640% |       |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 229530   | 55.589   | ug/l       | 0.00  |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 111.180% |       |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 112877  | 47.209  | ug/l   | 97  |
| 3) Chloromethane             | 2.107 | 50  | 185281  | 48.188  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.235 | 62  | 225507  | 50.883  | ug/l   | 97  |
| 5) Bromomethane              | 2.625 | 94  | 163517  | 47.581  | ug/l   | 99  |
| 6) Chloroethane              | 2.772 | 64  | 146229  | 51.243  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.107 | 101 | 252533  | 46.917  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.515 | 74  | 99728   | 48.932  | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 3.881 | 101 | 158956  | 49.452  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.076 | 142 | 170026  | 46.354  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 143766  | 251.339 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.851 | 96  | 149341  | 47.959  | ug/l   | 95  |
| 13) Acrolein                 | 3.717 | 56  | 82509   | 188.233 | ug/l   | 99  |
| 14) Allyl chloride           | 4.460 | 41  | 237628  | 50.629  | ug/l   | 88  |
| 15) Acrylonitrile            | 5.143 | 53  | 314566  | 268.862 | ug/l   | 99  |
| 16) Acetone                  | 3.936 | 43  | 255375  | 247.606 | ug/l # | 89  |
| 17) Carbon Disulfide         | 4.174 | 76  | 451912  | 47.623  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.460 | 43  | 258863  | 55.136  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.210 | 73  | 465996  | 52.069  | ug/l   | 96  |
| 20) Methylene Chloride       | 4.698 | 84  | 201206  | 54.498  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.198 | 96  | 169905  | 48.203  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.106 | 45  | 504324  | 52.148  | ug/l # | 90  |
| 23) Vinyl Acetate            | 6.045 | 43  | 1477572 | 264.074 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 5.997 | 63  | 298821  | 49.219  | ug/l   | 99  |
| 25) 2-Butanone               | 6.978 | 43  | 402445  | 263.528 | ug/l   | 93  |
| 26) 2,2-Dichloropropane      | 6.966 | 77  | 227422  | 43.947  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.972 | 96  | 193596  | 48.419  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.320 | 49  | 129802  | 50.916  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.338 | 42  | 274753  | 278.926 | ug/l   | 90  |
| 30) Chloroform               | 7.496 | 83  | 310207  | 48.980  | ug/l   | 96  |
| 31) Cyclohexane              | 7.777 | 56  | 243506  | 46.996  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.691 | 97  | 255746  | 47.242  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.905 | 75  | 229294  | 49.776  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.064 | 43  | 169630  | 53.695  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 7.887 | 117 | 231882  | 48.221  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.173 | 83  | 275491  | 50.034  | ug/l   | 97  |
| 40) Benzene                  | 8.149 | 78  | 675636  | 48.454  | ug/l   | 98  |

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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: Jul 07 06:16:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.332  | 41   | 239995   | 155.503  | ug/l # | 38       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 211580   | 51.624   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.265  | 43   | 285663   | 53.358   | ug/l # | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 185916   | 47.825   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 183274   | 51.235   | ug/l   | 95       |
| 46) Dibromomethane            | 9.295  | 93   | 111869   | 51.370   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.490  | 83   | 242245   | 50.486   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 136389   | 56.022   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 43191    | 1110.680 | ug/l # | 49       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 870515   | 274.653  | ug/l   | 90       |
| 52) Toluene                   | 10.240 | 92   | 422557   | 48.156   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 254978   | 49.693   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 284264   | 49.654   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.636 | 97   | 160728   | 50.723   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.502 | 69   | 227351   | 52.744   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 263082   | 50.954   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 591358   | 283.188  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.825 | 43   | 643032   | 280.858  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.977 | 129  | 188454   | 50.755   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 159185   | 51.456   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 196427   | 47.369   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.508 | 112  | 469092   | 47.452   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 181647   | 48.346   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.587 | 91   | 812246   | 48.182   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 633811   | 94.783   | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 303736   | 47.890   | ug/l   | 96       |
| 70) Styrene                   | 12.038 | 104  | 531605   | 48.718   | ug/l   | 97       |
| 71) Bromoform                 | 12.203 | 173  | 142575   | 49.948   | ug/l   | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 783490   | 48.125   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 255782   | 52.056   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 216610   | 51.846   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 273180   | 93.650   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 214228   | 48.177   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 990092   | 49.855   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 559659   | 48.968   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 674214   | 48.918   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 71620    | 47.789   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 577410   | 48.224   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.069 | 119  | 564779   | 46.627   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 675085   | 49.086   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 883259   | 49.415   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 735329   | 48.885   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 413986   | 47.616   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 409233   | 46.967   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 691958   | 49.777   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 147782   | 49.598   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 380188   | 48.276   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75   | 40652    | 53.147   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 249771   | 49.104   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 155859   | 49.855   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 547152   | 50.559   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 233430   | 50.366   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070623\  
Data File : VY014593.D  
Acq On : 06 Jul 2023 17:07  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

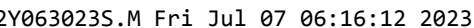
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

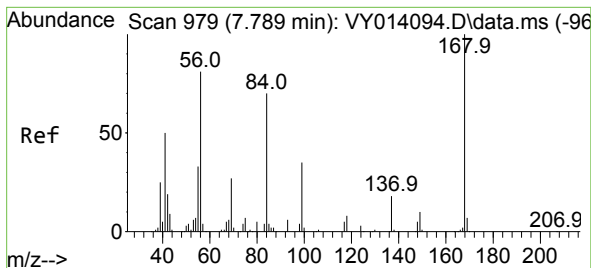
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration

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

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

Quant Time: Jul 07 06:16:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

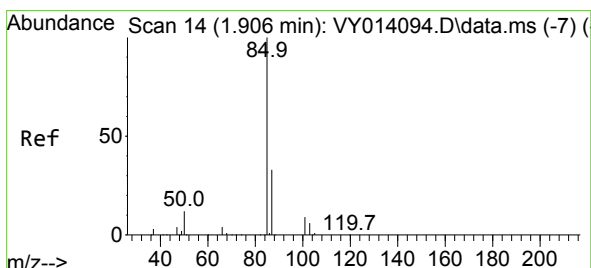
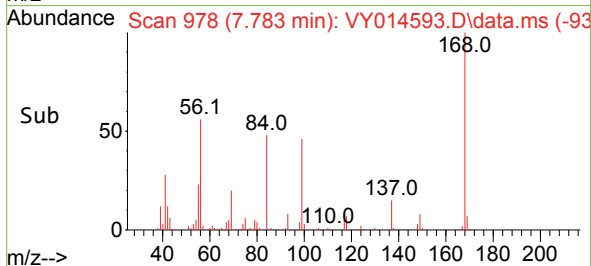
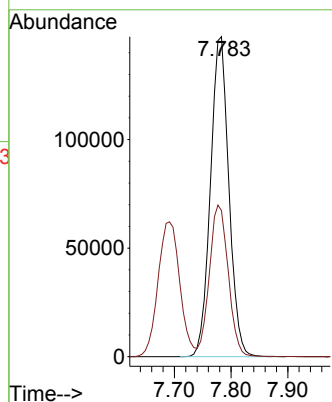
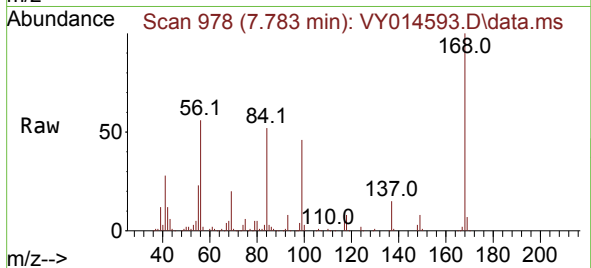
VSTDCCC050EC

Tgt Ion:168 Resp: 331993

Ion Ratio Lower Upper

168 100

99 45.6 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 47.209 ug/l

RT: 1.900 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY014593.D

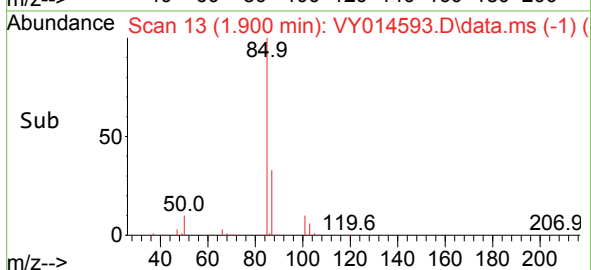
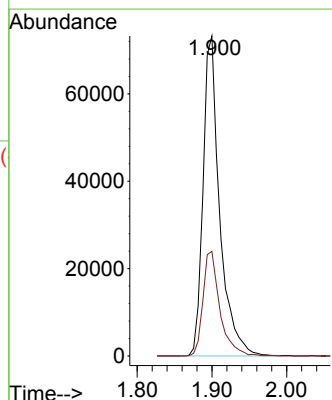
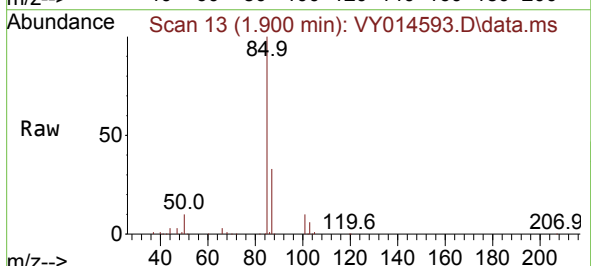
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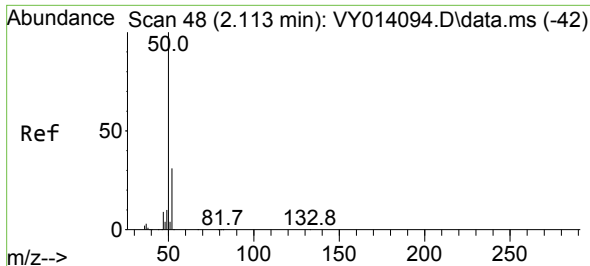
Tgt Ion: 85 Resp: 112877

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8

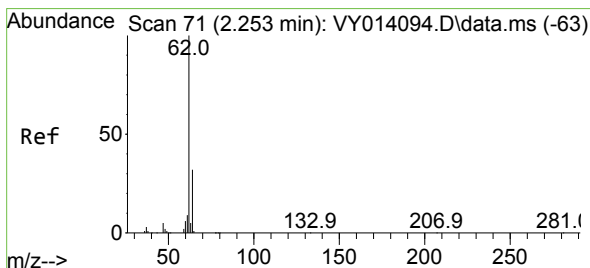
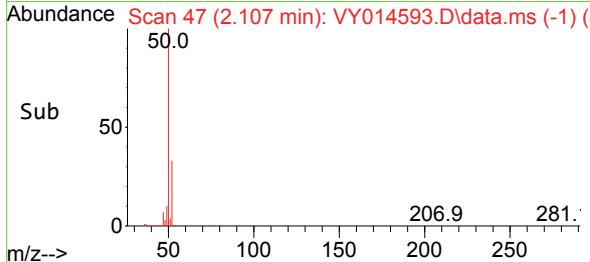
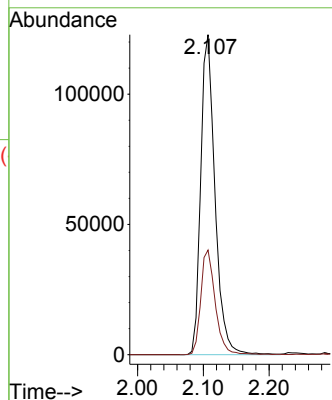
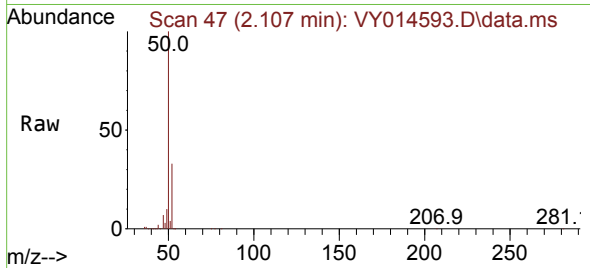




#3  
Chloromethane  
Concen: 48.188 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

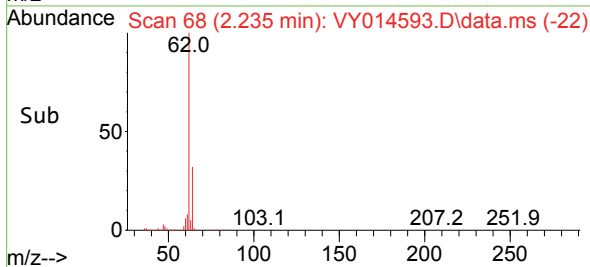
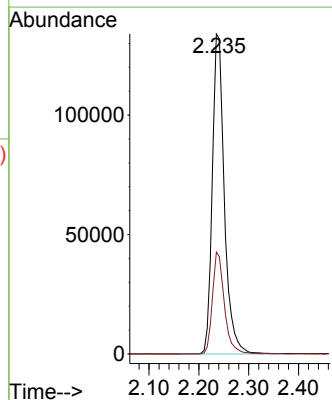
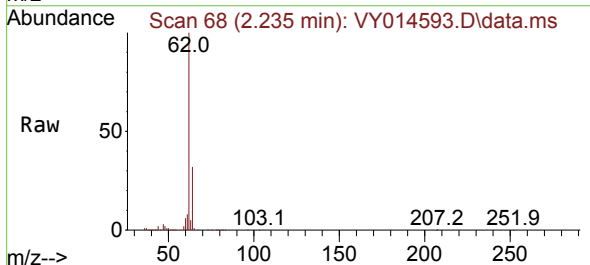
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

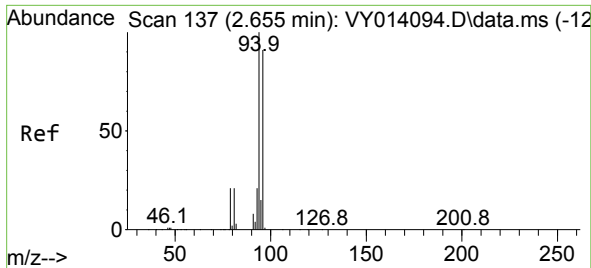
Tgt Ion: 50 Resp: 185281  
Ion Ratio Lower Upper  
50 100  
52 32.7 25.4 38.2



#4  
Vinyl Chloride  
Concen: 50.883 ug/l  
RT: 2.235 min Scan# 68  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 62 Resp: 225507  
Ion Ratio Lower Upper  
62 100  
64 31.8 24.3 36.5

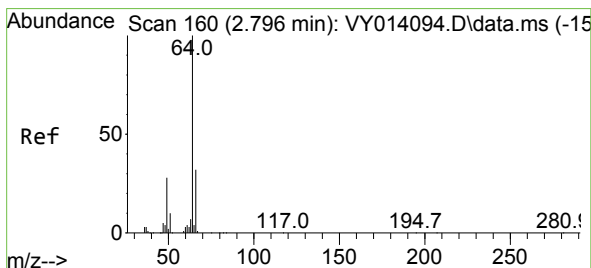
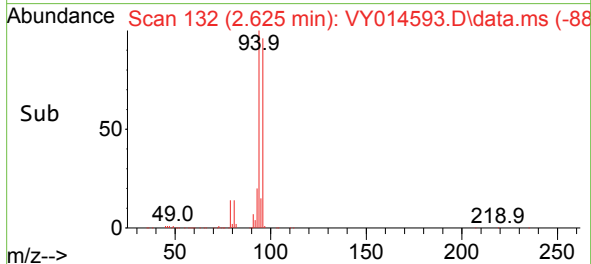
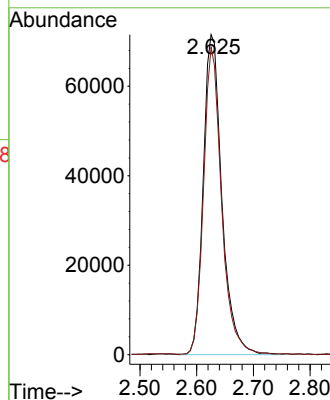
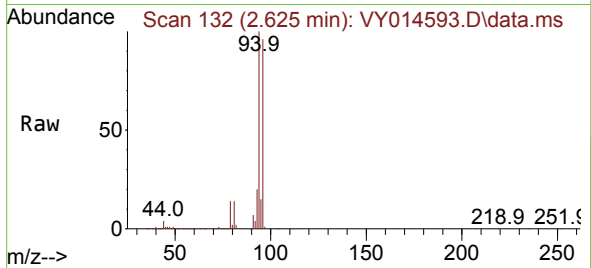




#5  
Bromomethane  
Concen: 47.581 ug/l  
RT: 2.625 min Scan# 11  
Delta R.T. -0.030 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

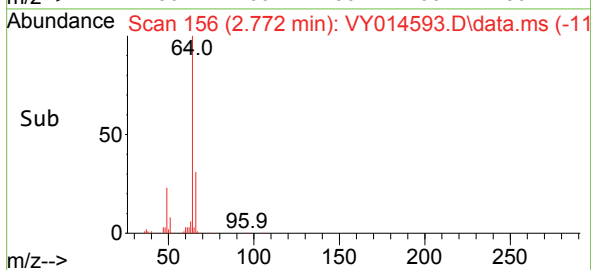
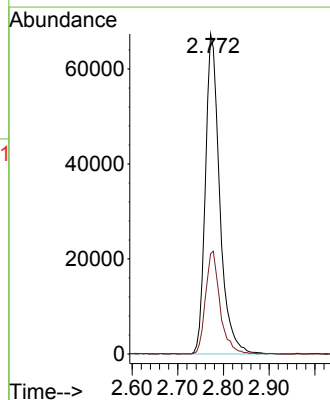
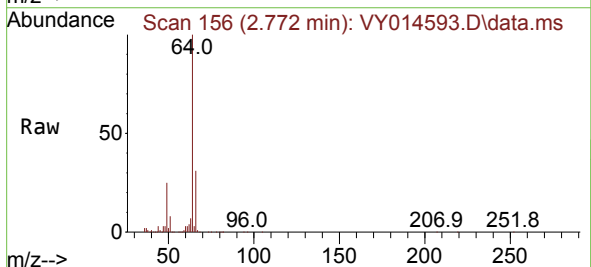
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

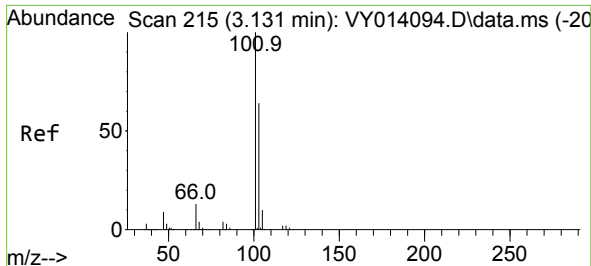
Tgt Ion: 94 Resp: 163517  
Ion Ratio Lower Upper  
94 100  
96 95.8 75.8 113.6



#6  
Chloroethane  
Concen: 51.243 ug/l  
RT: 2.772 min Scan# 156  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 64 Resp: 146229  
Ion Ratio Lower Upper  
64 100  
66 31.3 24.4 36.6

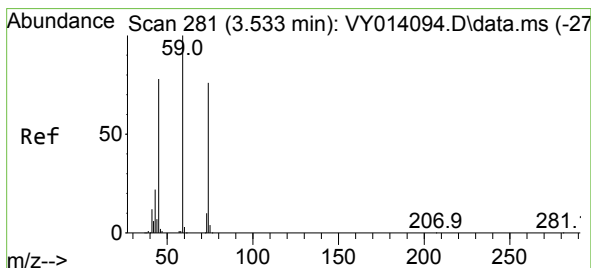
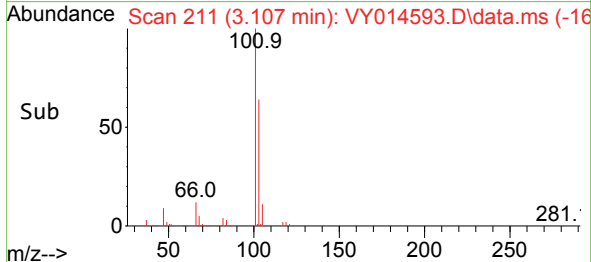
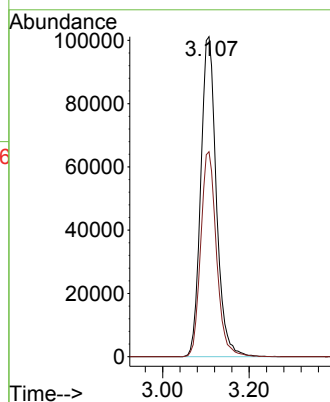
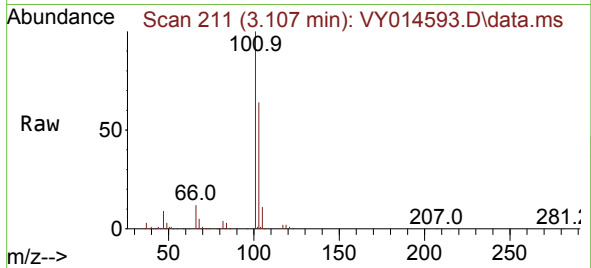




#7  
 Trichlorofluoromethane  
 Concen: 46.917 ug/l  
 RT: 3.107 min Scan# 215  
 Delta R.T. -0.024 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

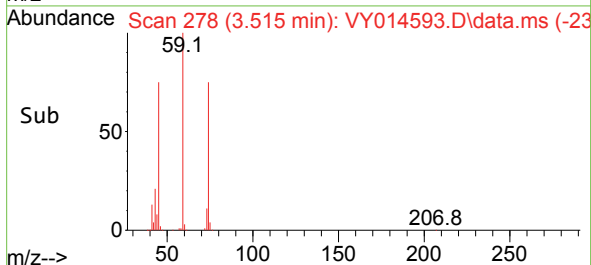
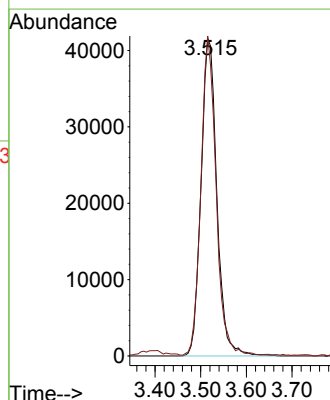
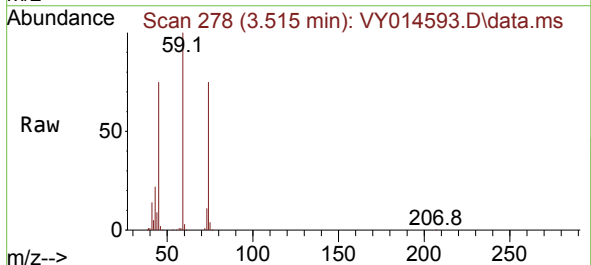
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

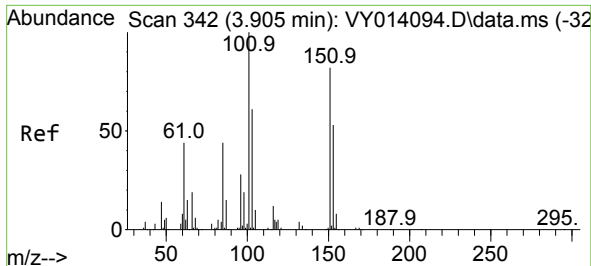
Tgt Ion:101 Resp: 252533  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 48.932 ug/l  
 RT: 3.515 min Scan# 278  
 Delta R.T. -0.018 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

Tgt Ion: 74 Resp: 99728  
 Ion Ratio Lower Upper  
 74 100  
 45 95.9 51.5 154.5

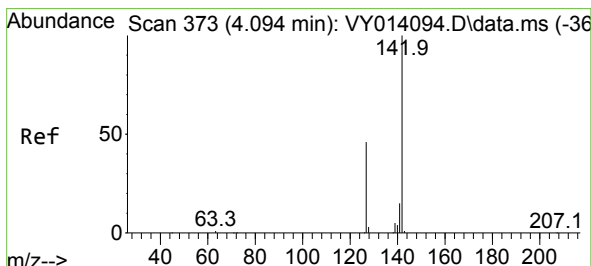
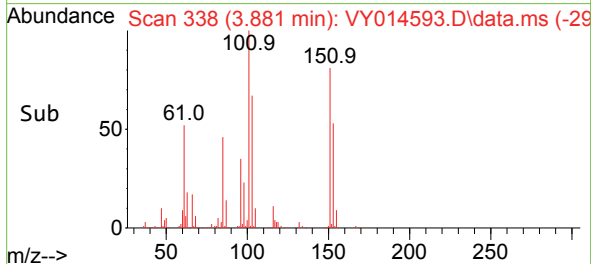
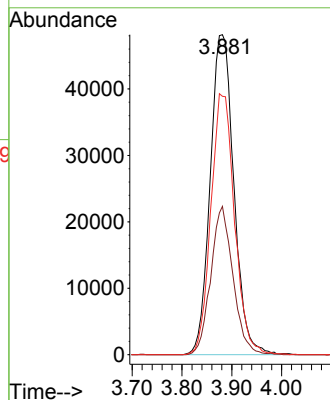
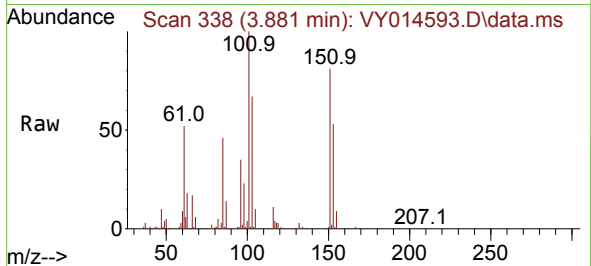




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.452 ug/l  
RT: 3.881 min Scan# 31  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

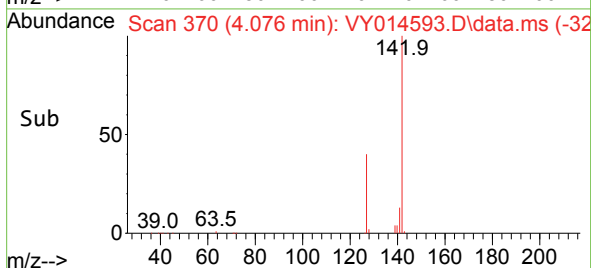
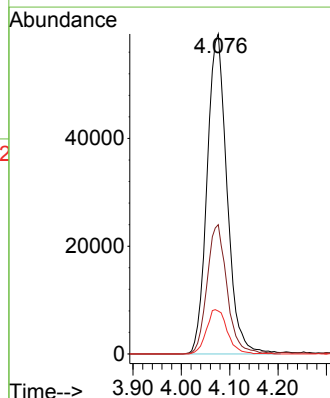
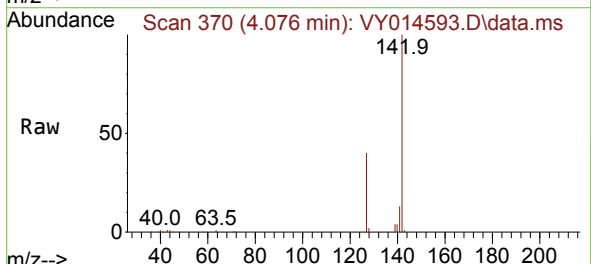
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

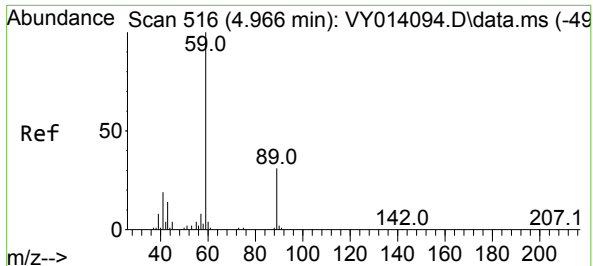
Tgt Ion:101 Resp: 158956  
Ion Ratio Lower Upper  
101 100  
85 43.5 36.6 55.0  
151 81.7 67.0 100.6



#10  
Methyl Iodide  
Concen: 46.354 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:142 Resp: 170026  
Ion Ratio Lower Upper  
142 100  
127 40.7 37.6 56.4  
141 14.5 11.8 17.8

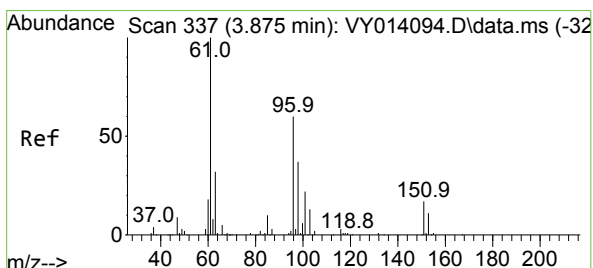
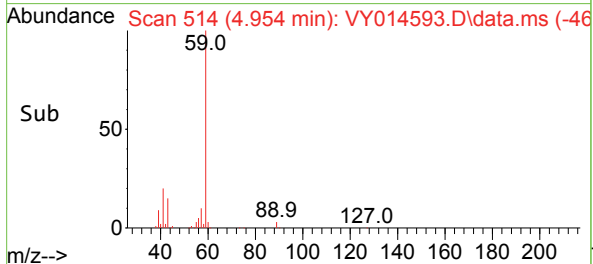
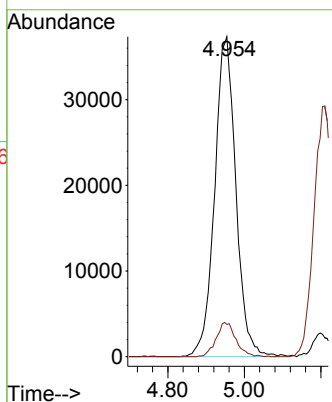
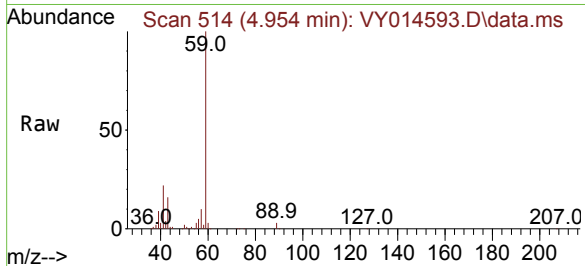




#11  
Tert butyl alcohol  
Concen: 251.339 ug/l  
RT: 4.954 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

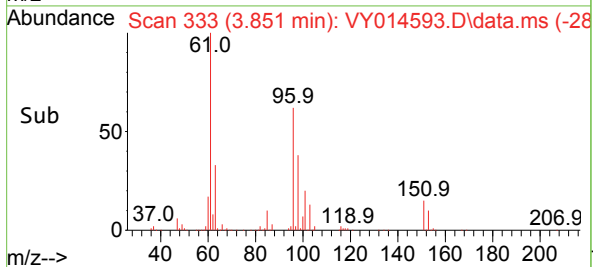
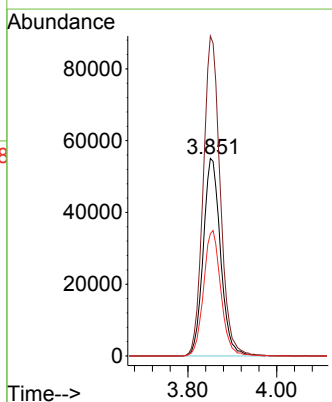
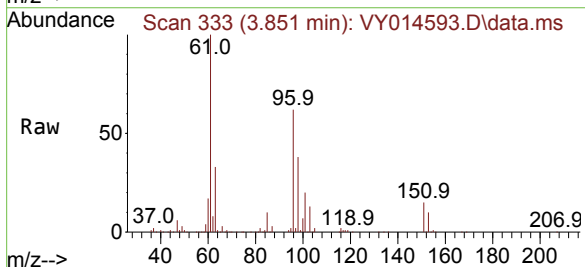
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

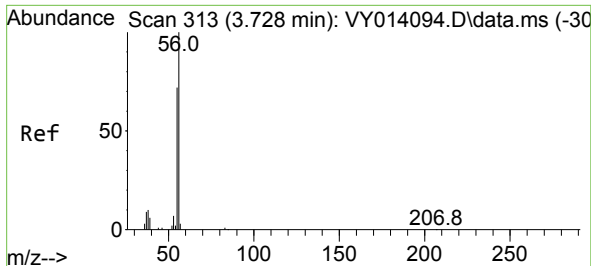
Tgt Ion: 59 Resp: 143766  
Ion Ratio Lower Upper  
59 100  
57 9.8 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 47.959 ug/l  
RT: 3.851 min Scan# 333  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 96 Resp: 149341  
Ion Ratio Lower Upper  
96 100  
61 162.0 136.4 204.6  
98 61.8 49.4 74.2

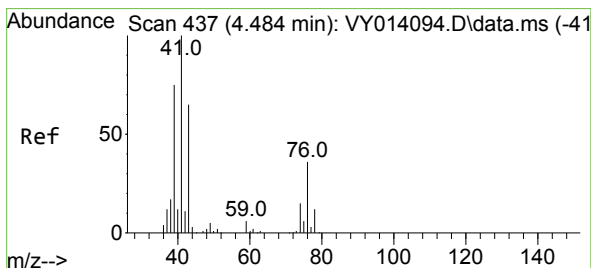
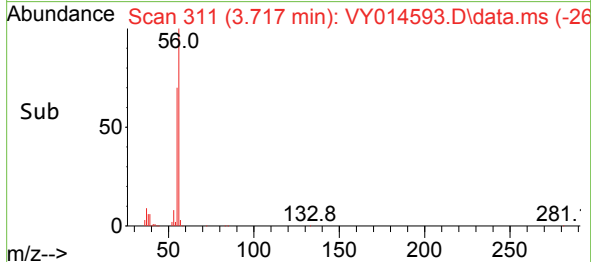
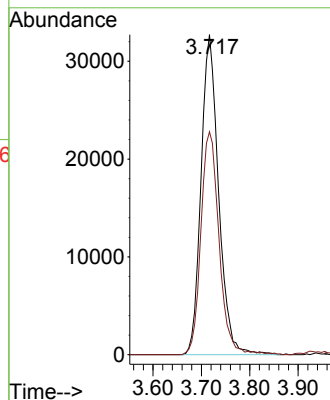
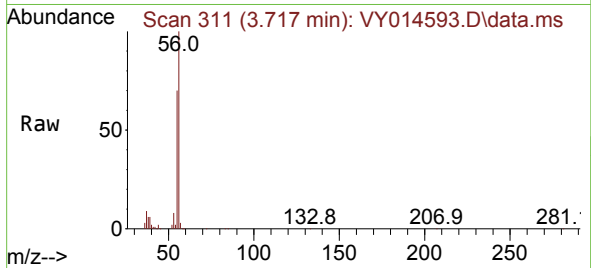




#13  
Acrolein  
Concen: 188.233 ug/l  
RT: 3.717 min Scan# 311  
Delta R.T. -0.011 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

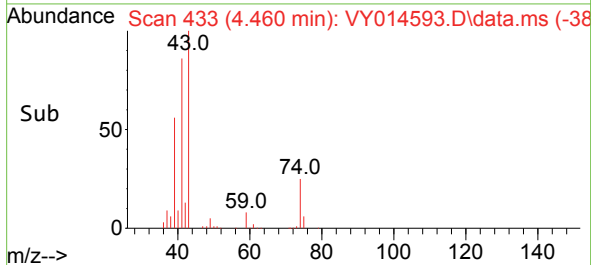
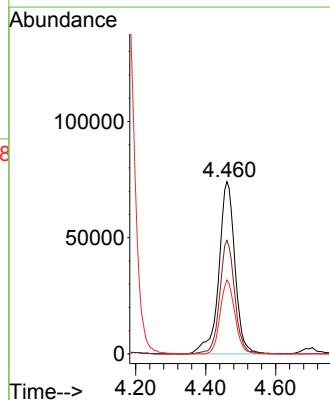
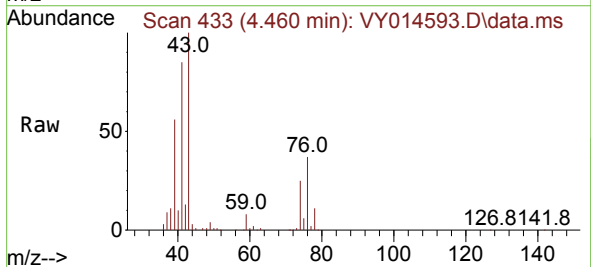
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

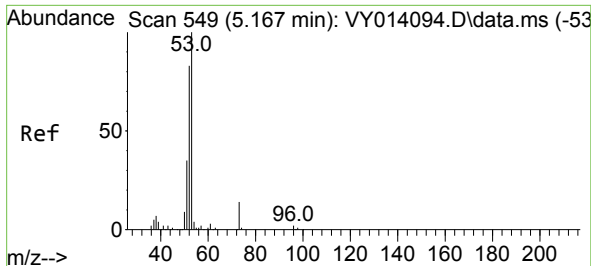
Tgt Ion: 56 Resp: 82509  
Ion Ratio Lower Upper  
56 100  
55 72.2 57.0 85.4



#14  
Allyl chloride  
Concen: 50.629 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

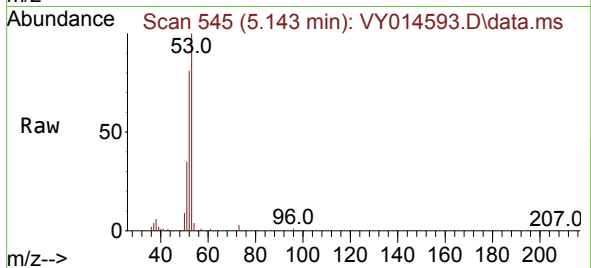
Tgt Ion: 41 Resp: 237628  
Ion Ratio Lower Upper  
41 100  
39 61.6 58.0 87.0  
76 39.1 27.4 41.2



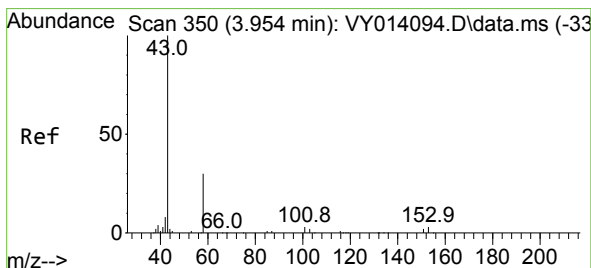
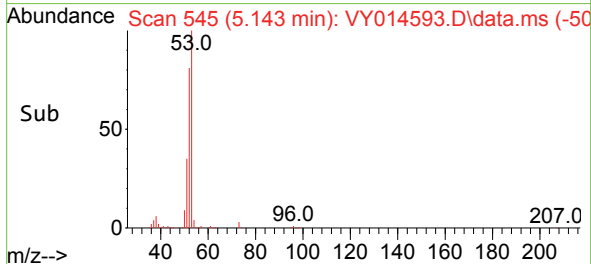
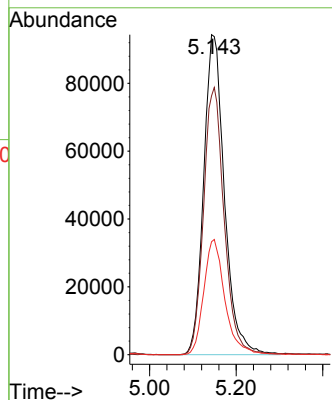


#15  
Acrylonitrile  
Concen: 268.862 ug/l  
RT: 5.143 min Scan# 54  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

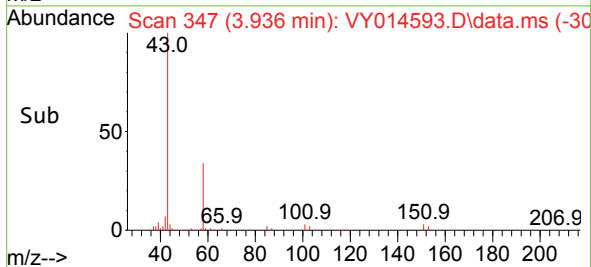
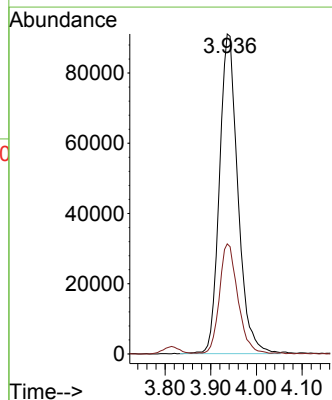
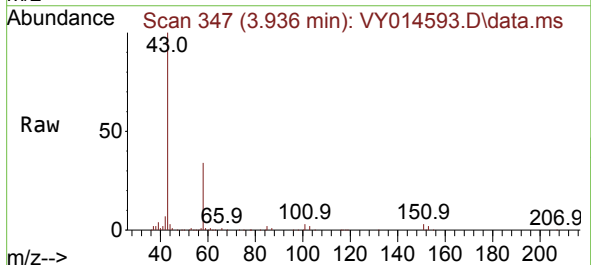


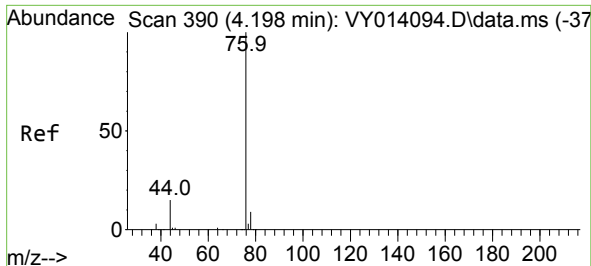
Tgt Ion: 53 Resp: 314566  
Ion Ratio Lower Upper  
53 100  
52 82.8 66.9 100.3  
51 36.6 29.8 44.6



#16  
Acetone  
Concen: 247.606 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 43 Resp: 255375  
Ion Ratio Lower Upper  
43 100  
58 34.1 22.7 34.1#

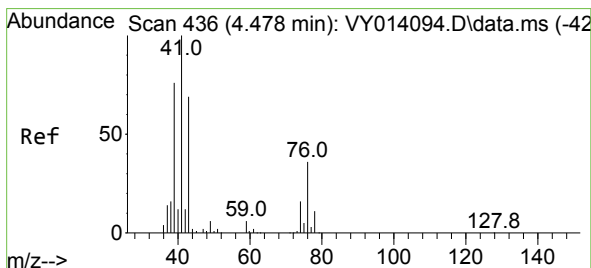
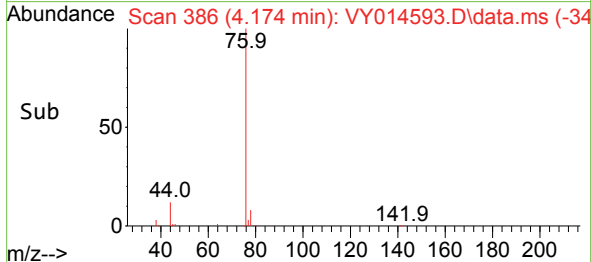
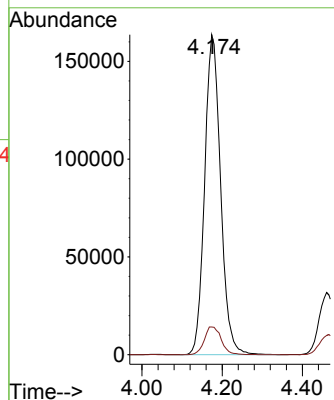
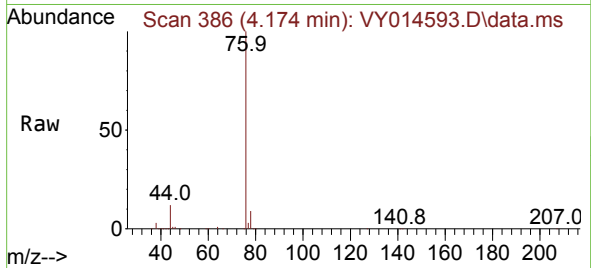




#17  
Carbon Disulfide  
Concen: 47.623 ug/l  
RT: 4.174 min Scan# 31  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

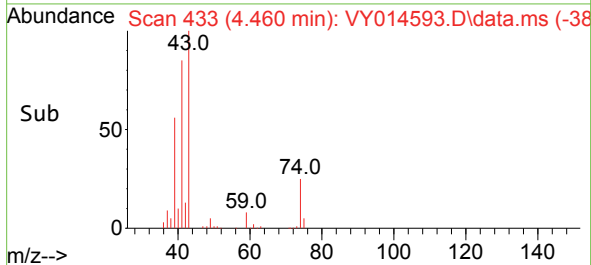
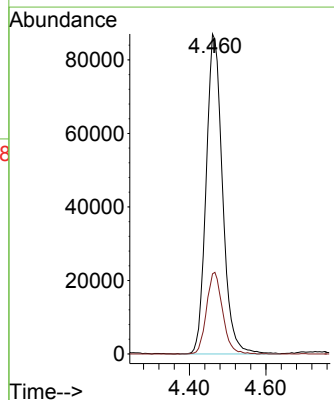
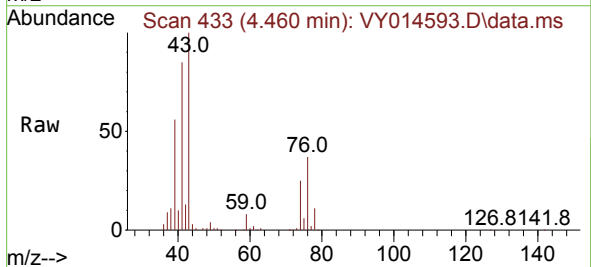
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

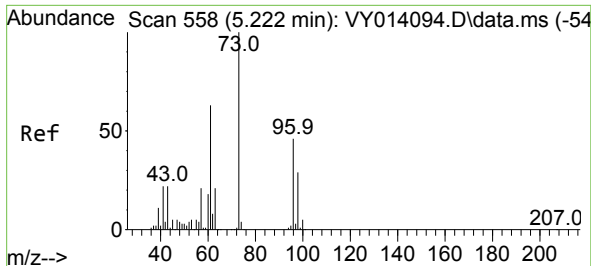
Tgt Ion: 76 Resp: 451912  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.0 10.4



#18  
Methyl Acetate  
Concen: 55.136 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 43 Resp: 258863  
Ion Ratio Lower Upper  
43 100  
74 25.0 17.4 26.0

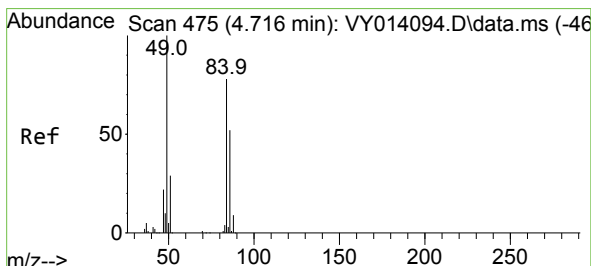
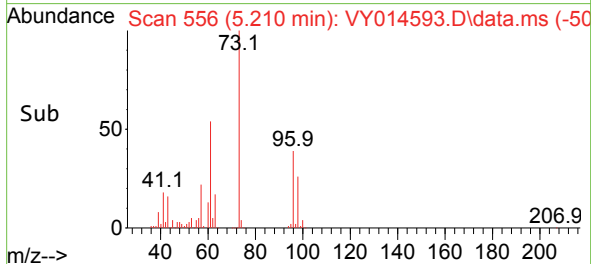
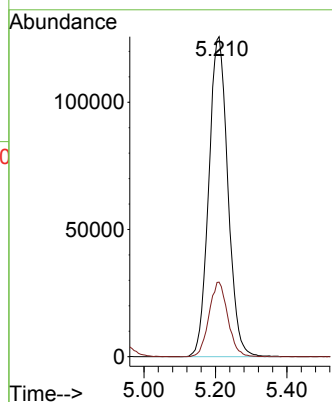
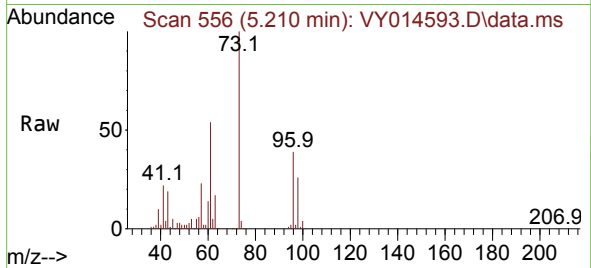




#19  
Methyl tert-butyl Ether  
Concen: 52.069 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

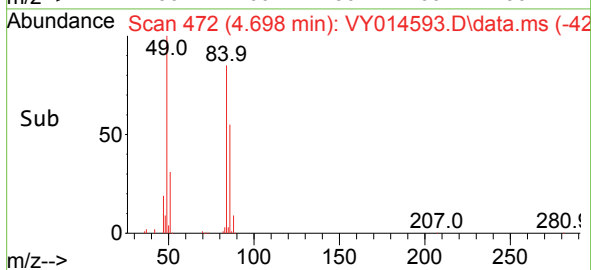
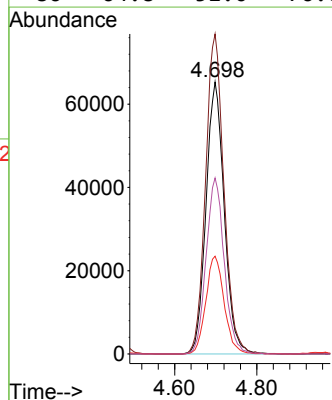
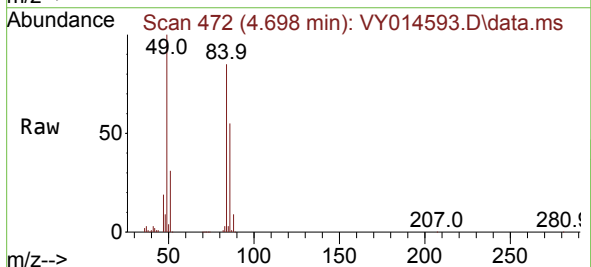
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

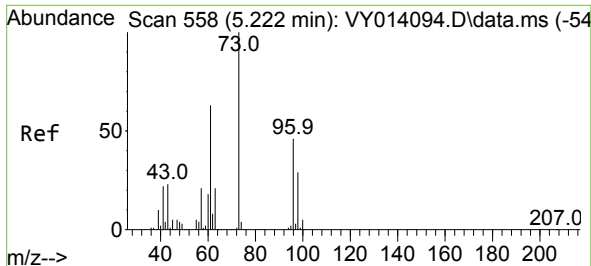
Tgt Ion: 73 Resp: 465996  
Ion Ratio Lower Upper  
73 100  
57 23.3 17.3 25.9



#20  
Methylene Chloride  
Concen: 54.498 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

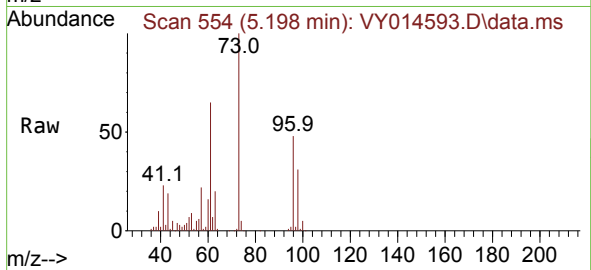
Tgt Ion: 84 Resp: 201206  
Ion Ratio Lower Upper  
84 100  
49 117.7 106.9 160.3  
51 36.0 33.2 49.8  
86 64.8 51.0 76.6



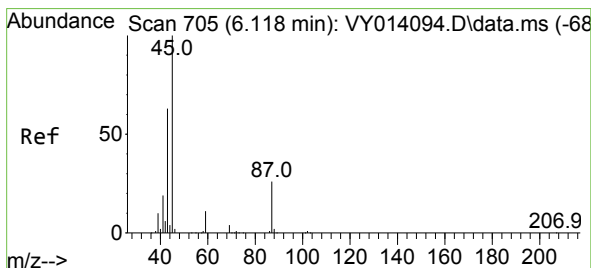
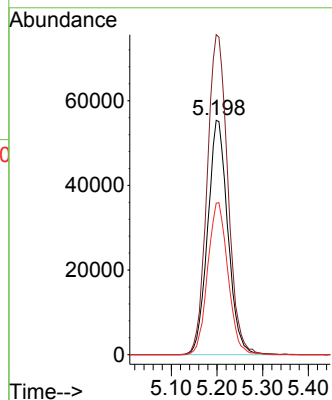
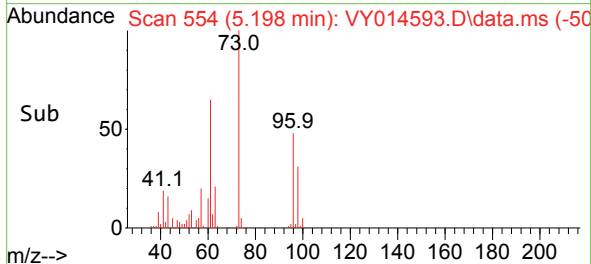


#21  
trans-1,2-Dichloroethene  
Concen: 48.203 ug/l  
RT: 5.198 min Scan# 51  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

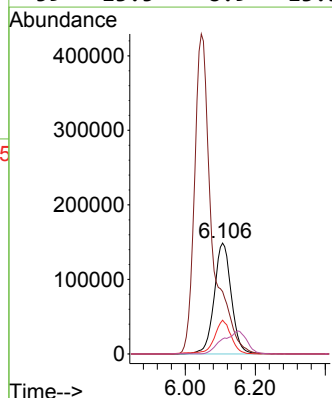
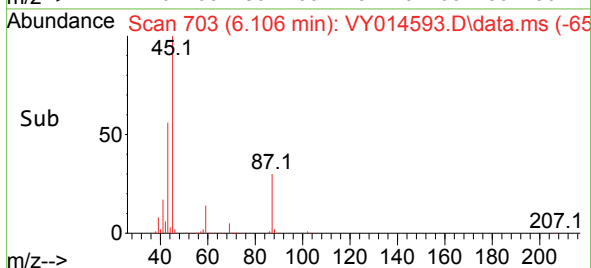
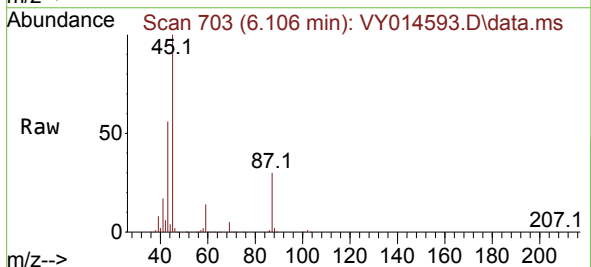


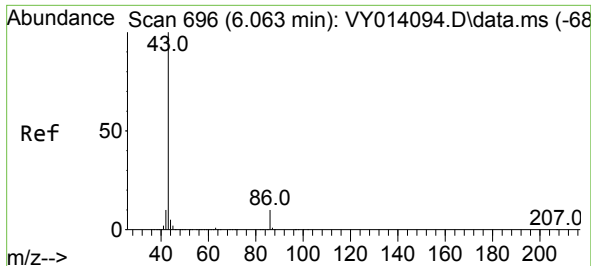
Tgt Ion: 96 Resp: 169905  
Ion Ratio Lower Upper  
96 100  
61 136.5 110.2 165.4  
98 64.6 51.8 77.6



#22  
Diisopropyl ether  
Concen: 52.148 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 45 Resp: 504324  
Ion Ratio Lower Upper  
45 100  
43 56.0 52.2 78.4  
87 30.5 21.0 31.6  
59 13.5 8.9 13.3#

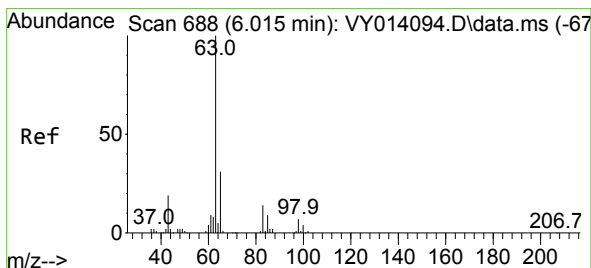
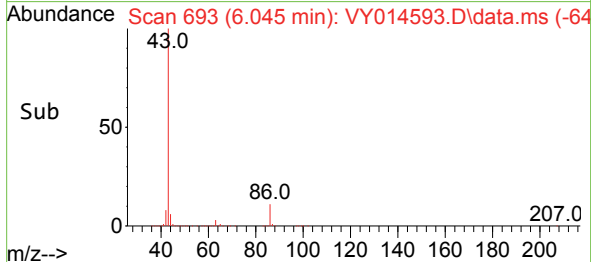
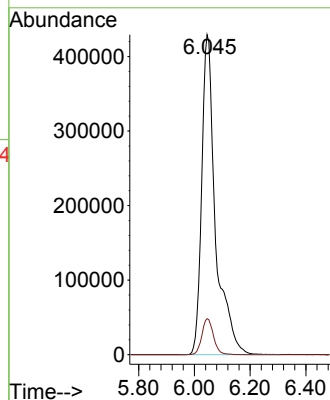
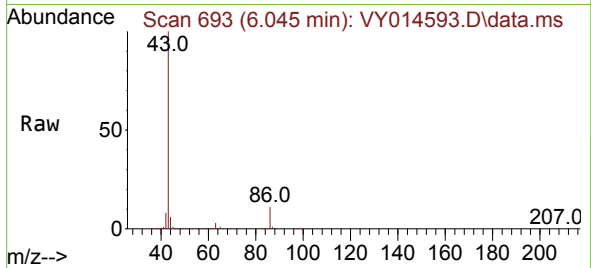




#23  
 Vinyl Acetate  
 Concen: 264.074 ug/l  
 RT: 6.045 min Scan# 61  
 Delta R.T. -0.018 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

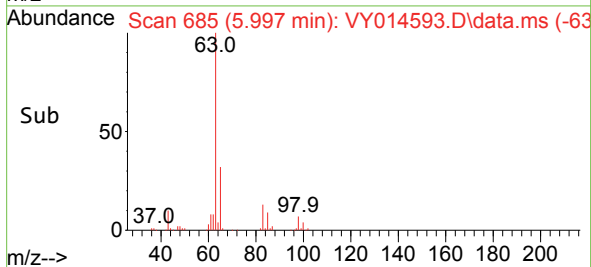
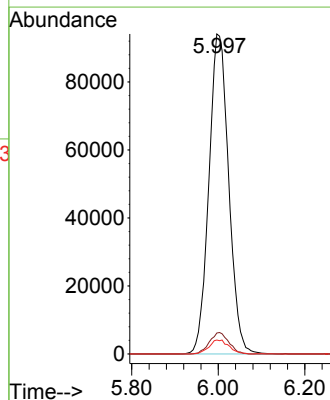
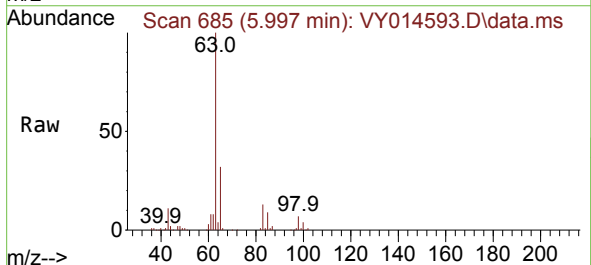
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

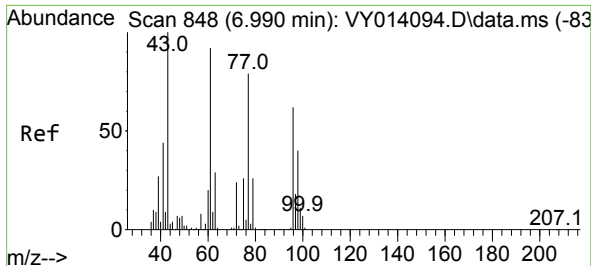
Tgt Ion: 43 Resp: 1477572  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 49.219 ug/l  
 RT: 5.997 min Scan# 685  
 Delta R.T. -0.018 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

Tgt Ion: 63 Resp: 298821  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.1 9.4  
 100 4.4 1.8 5.5

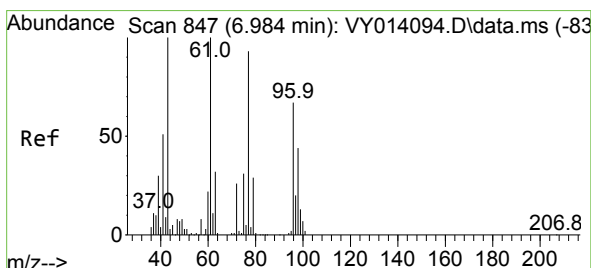
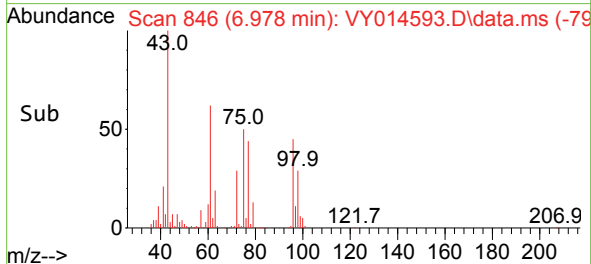
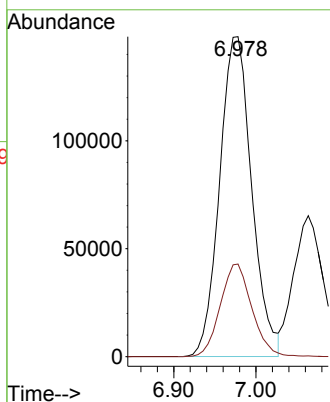
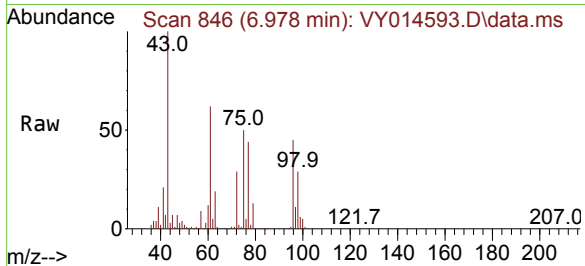




#25  
2-Butanone  
Concen: 263.528 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

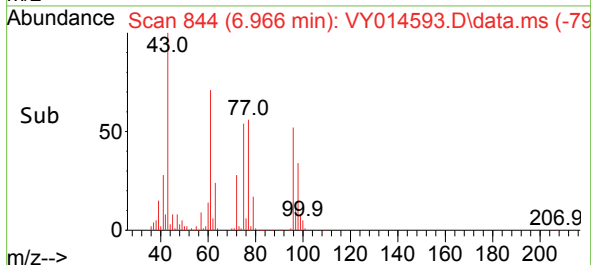
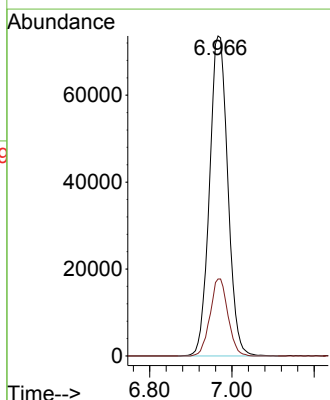
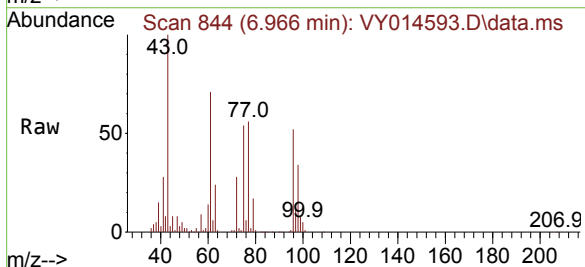
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

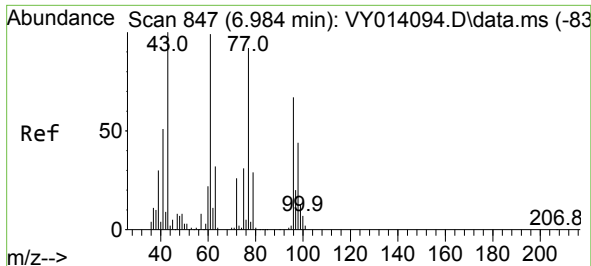
Tgt Ion: 43 Resp: 402445  
Ion Ratio Lower Upper  
43 100  
72 29.0 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 43.947 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 77 Resp: 227422  
Ion Ratio Lower Upper  
77 100  
97 23.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.419 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014593.D

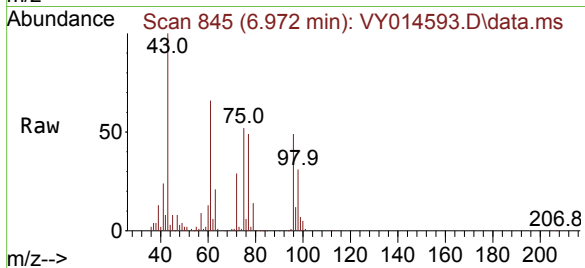
Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC



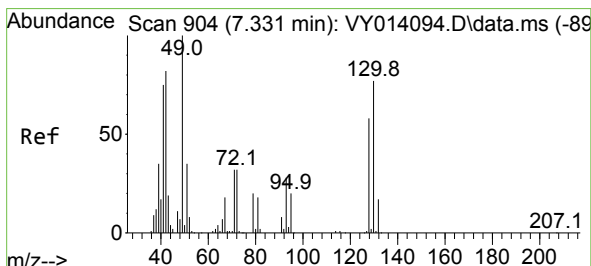
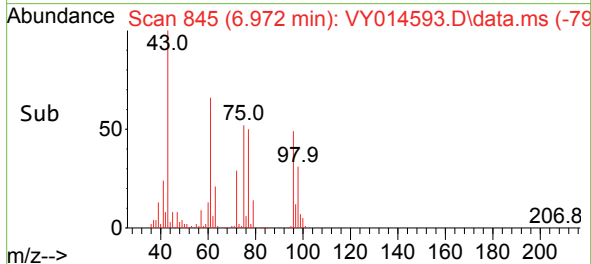
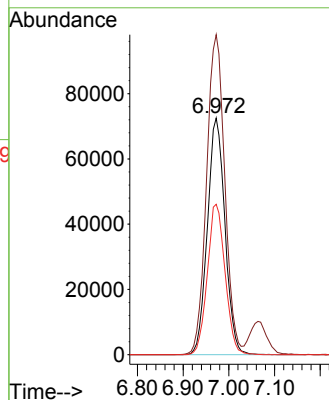
Tgt Ion: 96 Resp: 193596

Ion Ratio Lower Upper

96 100

61 139.9 0.0 301.4

98 64.2 0.0 130.4



#28

Bromochloromethane

Concen: 50.916 ug/l

RT: 7.320 min Scan# 902

Delta R.T. -0.011 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

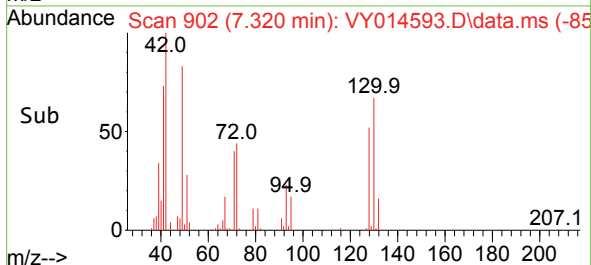
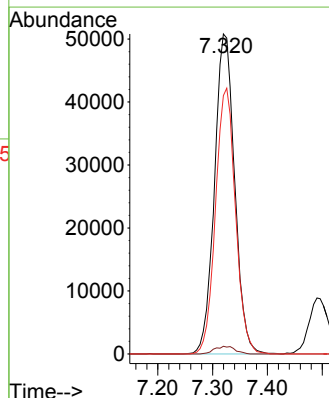
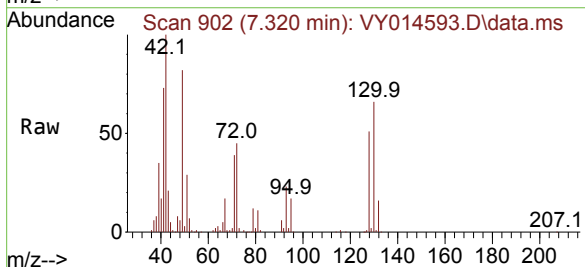
Tgt Ion: 49 Resp: 129802

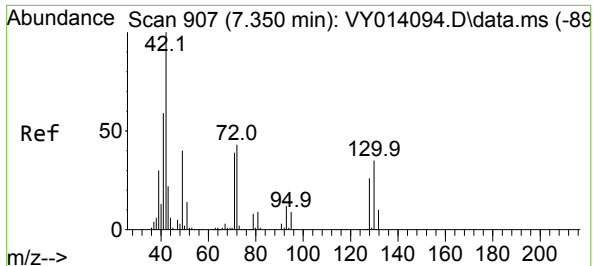
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 82.2 60.7 91.1





#29

Tetrahydrofuran

Concen: 278.926 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.012 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

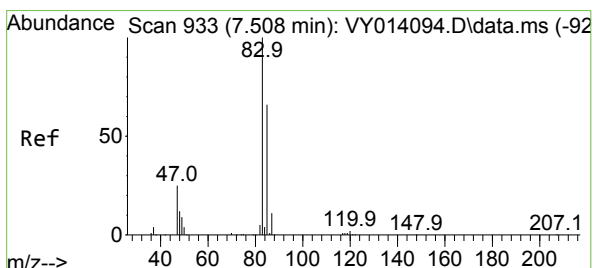
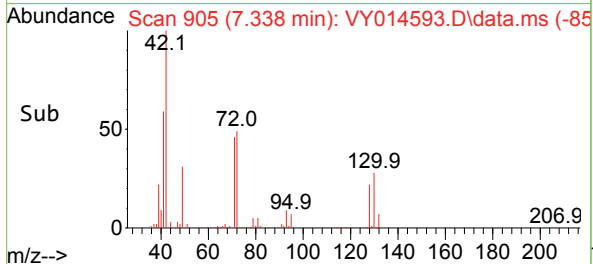
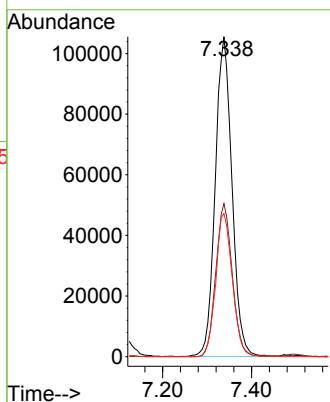
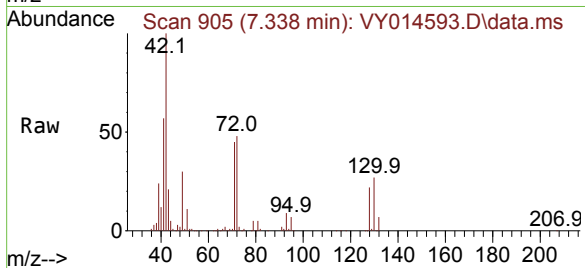
Tgt Ion: 42 Resp: 274753

Ion Ratio Lower Upper

42 100

72 47.1 32.8 49.2

71 44.5 31.0 46.4



#30

Chloroform

Concen: 48.980 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.012 min

Lab File: VY014593.D

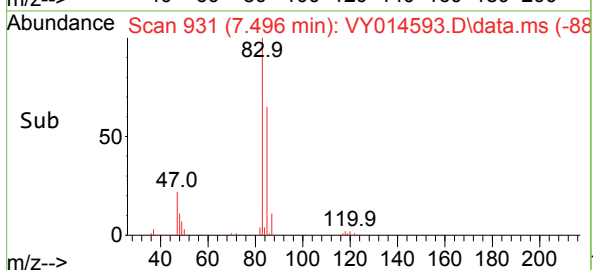
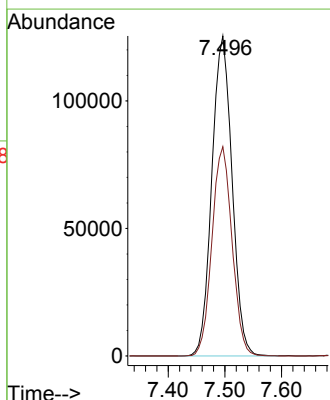
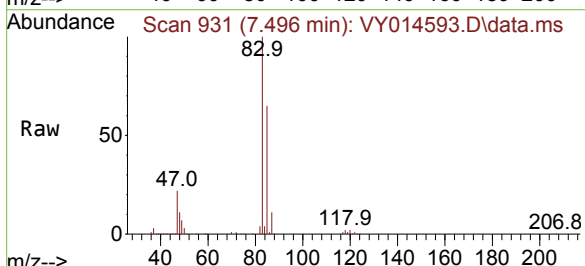
Acq: 06 Jul 2023 17:07

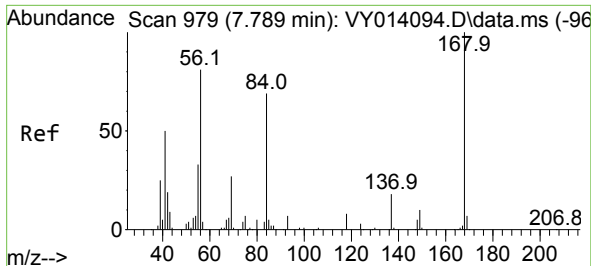
Tgt Ion: 83 Resp: 310207

Ion Ratio Lower Upper

83 100

85 65.4 49.7 74.5

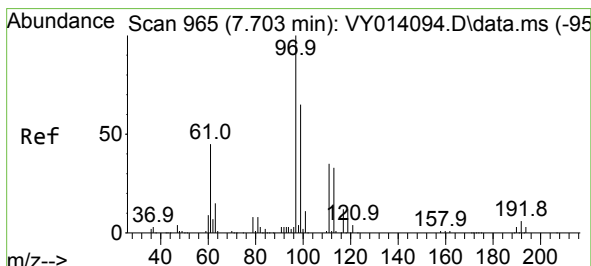
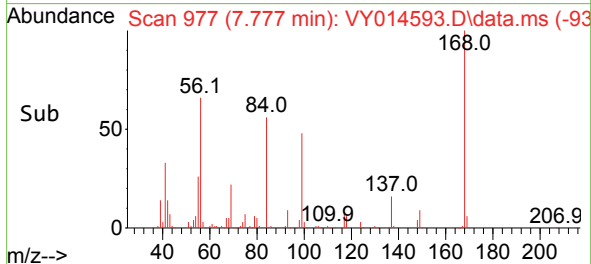
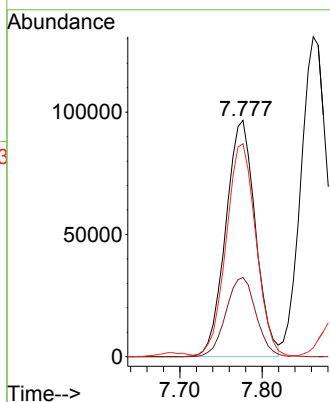
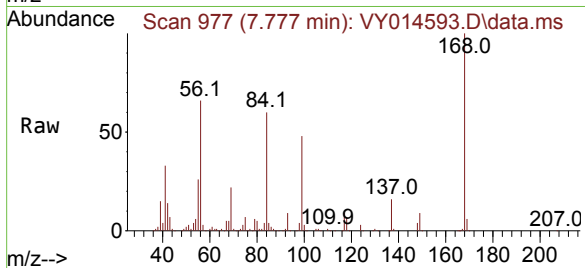




#31  
Cyclohexane  
Concen: 46.996 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

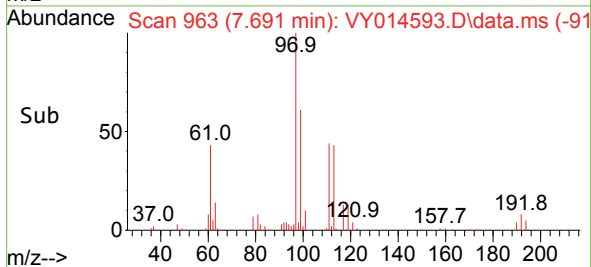
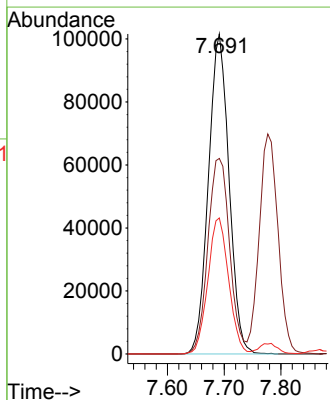
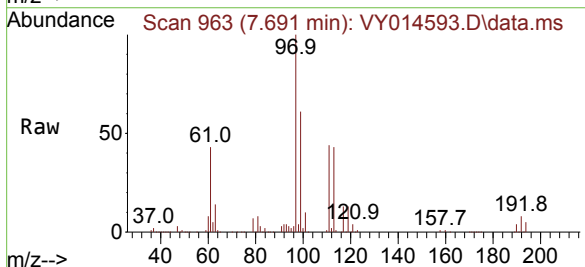
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

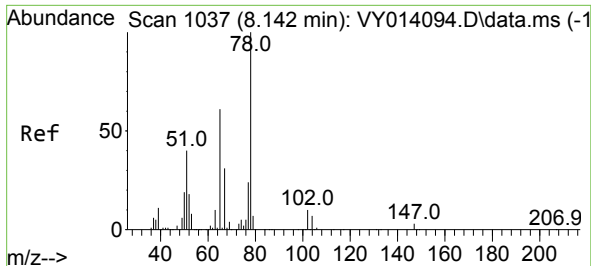
Tgt Ion: 56 Resp: 243506  
Ion Ratio Lower Upper  
56 100  
69 33.5 27.8 41.6  
84 88.9 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 47.242 ug/l  
RT: 7.691 min Scan# 963  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 97 Resp: 255746  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.8 76.2  
61 43.1 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 55.662 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

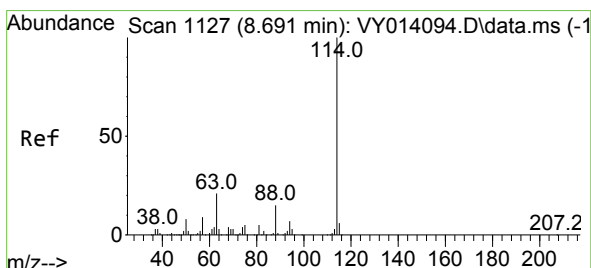
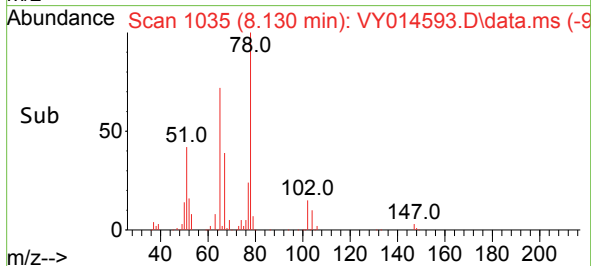
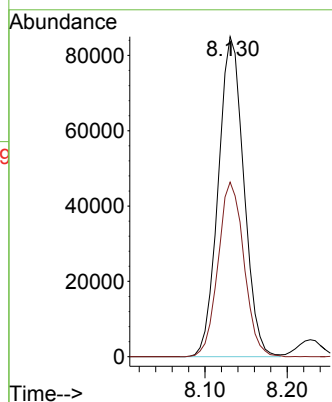
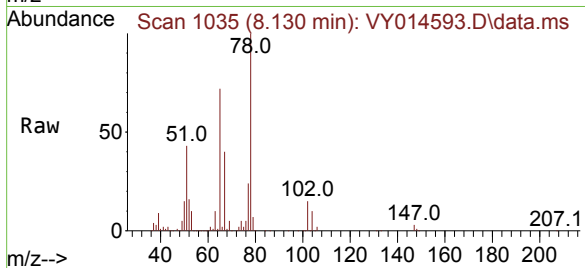
VSTDCCC050EC

Tgt Ion: 65 Resp: 183830

Ion Ratio Lower Upper

65 100

67 55.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.012 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

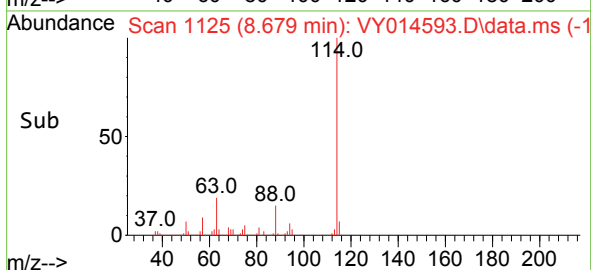
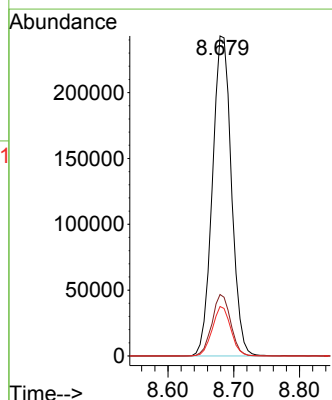
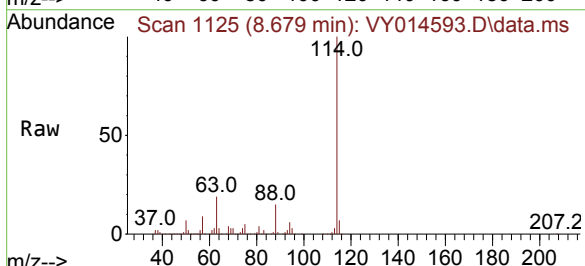
Tgt Ion: 114 Resp: 488468

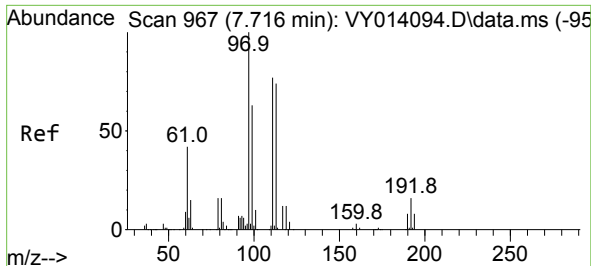
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.4 0.0 30.6

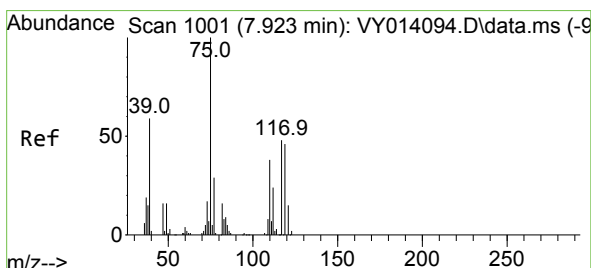
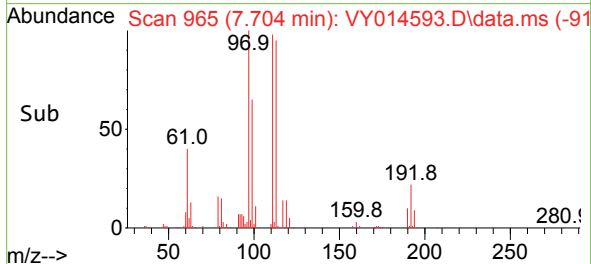
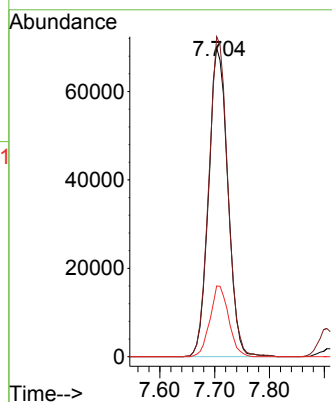
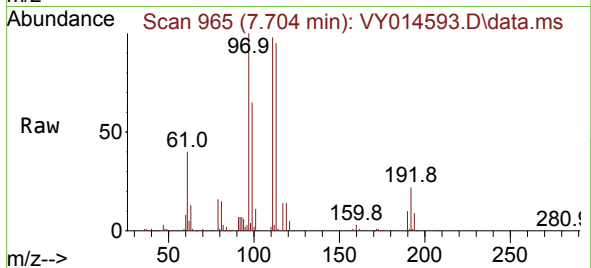




#35  
Dibromofluoromethane  
Concen: 56.329 ug/l  
RT: 7.704 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

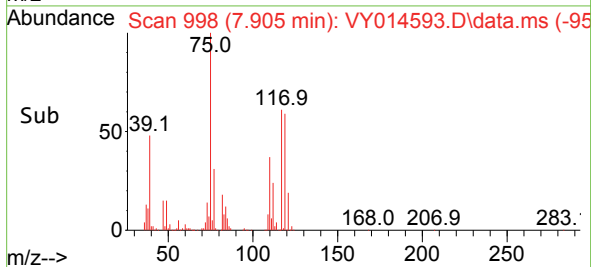
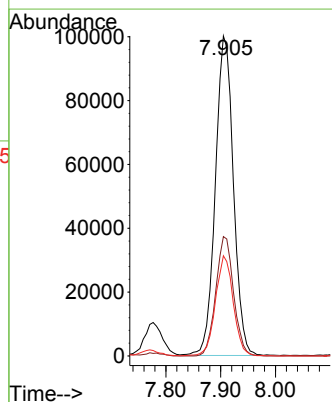
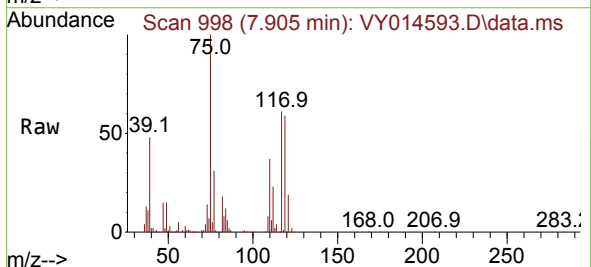
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

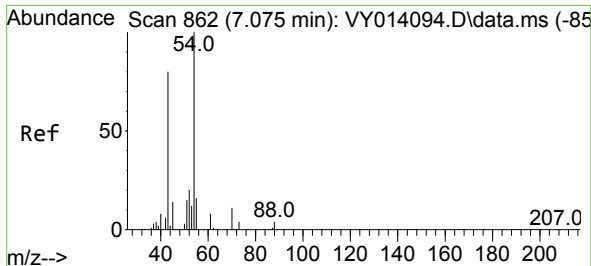
Tgt Ion:113 Resp: 169438  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.3 121.9  
192 22.3 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 49.776 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. -0.018 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 75 Resp: 229294  
Ion Ratio Lower Upper  
75 100  
110 36.7 17.8 53.5  
77 30.6 24.4 36.6





#37

Ethyl Acetate

Concen: 53.695 ug/l

RT: 7.064 min Scan# 80

Delta R.T. -0.011 min

Lab File: VY014593.D

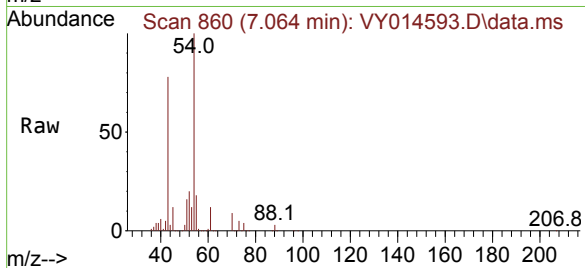
Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC



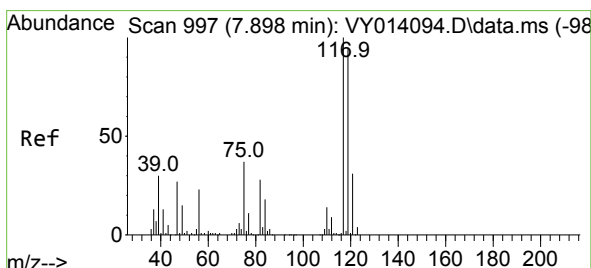
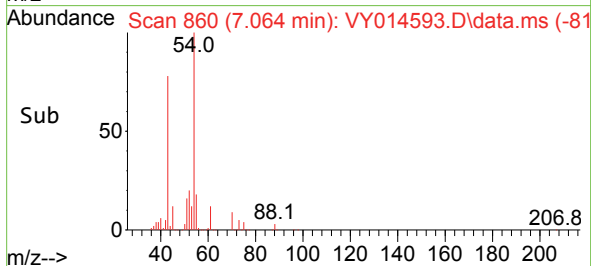
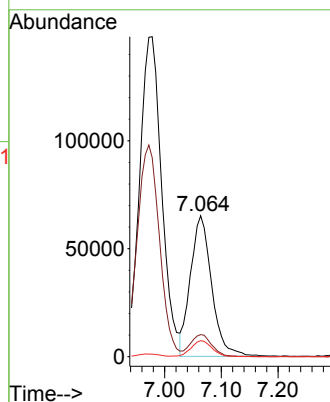
Tgt Ion: 43 Resp: 169630

Ion Ratio Lower Upper

43 100

61 16.2 10.1 15.1#

70 11.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 48.221 ug/l

RT: 7.887 min Scan# 995

Delta R.T. -0.011 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

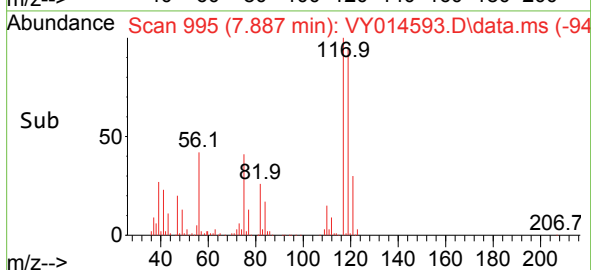
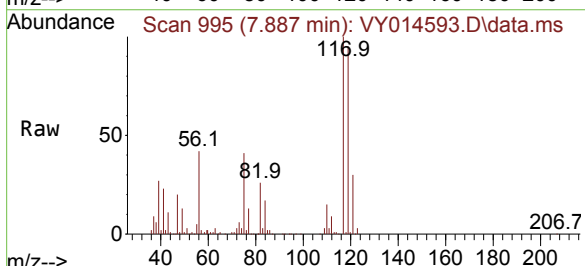
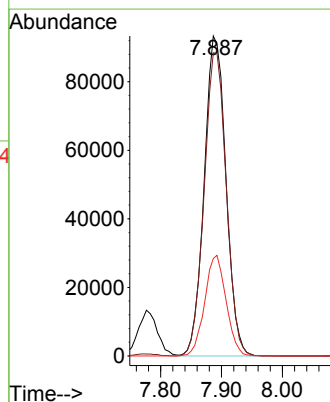
Tgt Ion: 117 Resp: 231882

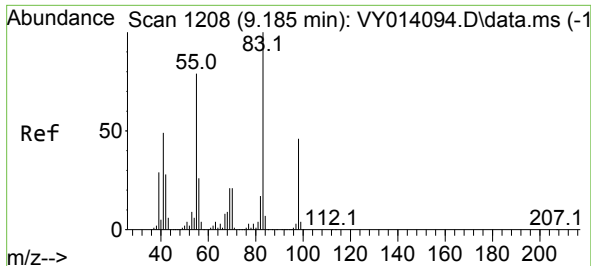
Ion Ratio Lower Upper

117 100

119 94.8 76.4 114.6

121 30.5 25.8 38.6





#39

Methylcyclohexane

Concen: 50.034 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY014593.D

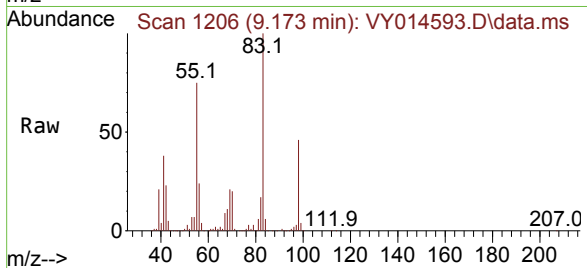
Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC



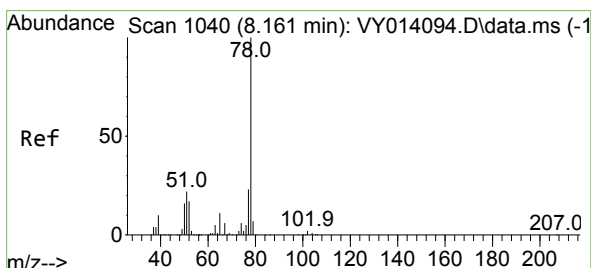
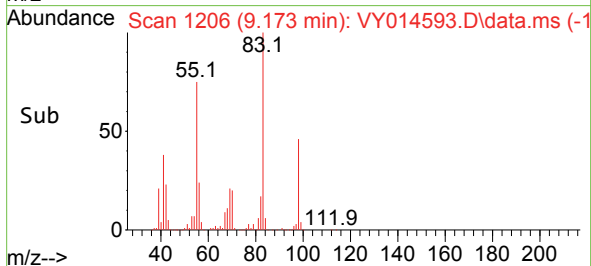
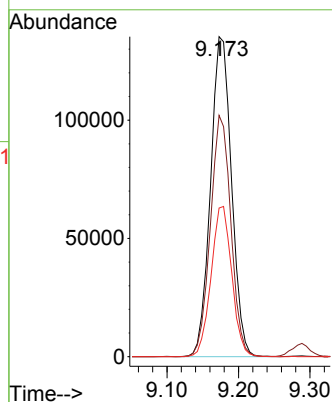
Tgt Ion: 83 Resp: 275491

Ion Ratio Lower Upper

83 100

55 75.4 63.0 94.4

98 46.5 37.4 56.2



#40

Benzene

Concen: 48.454 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.012 min

Lab File: VY014593.D

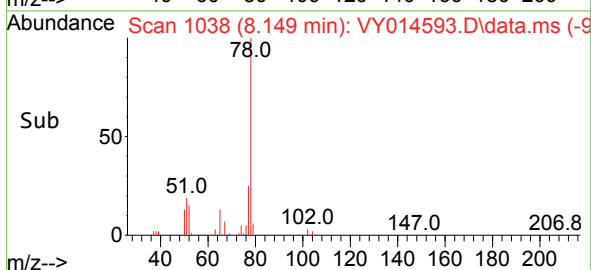
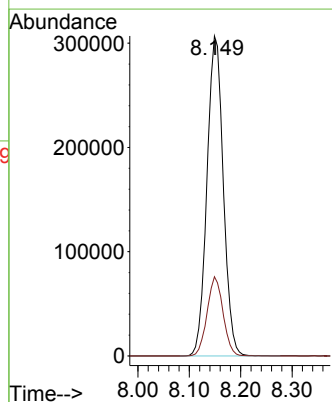
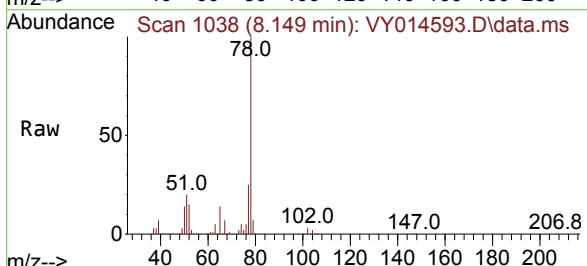
Acq: 06 Jul 2023 17:07

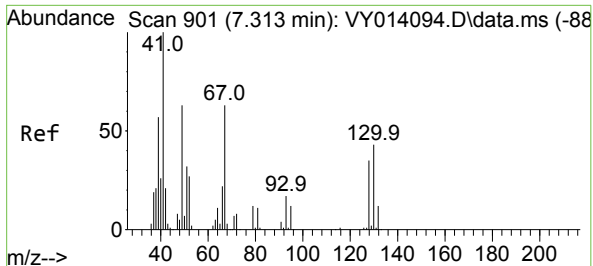
Tgt Ion: 78 Resp: 675636

Ion Ratio Lower Upper

78 100

77 24.8 19.0 28.6

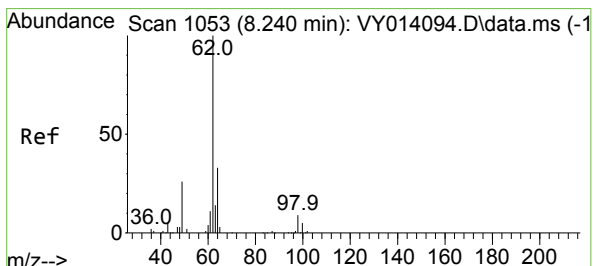
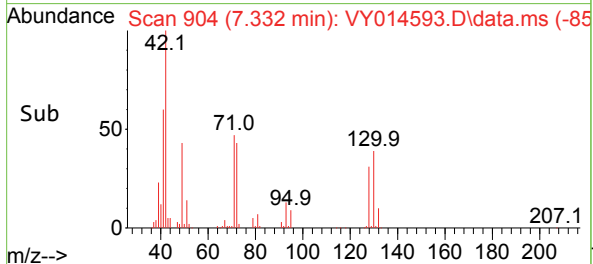
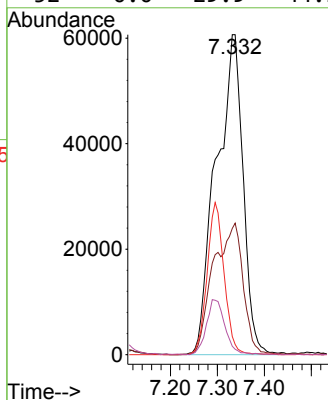
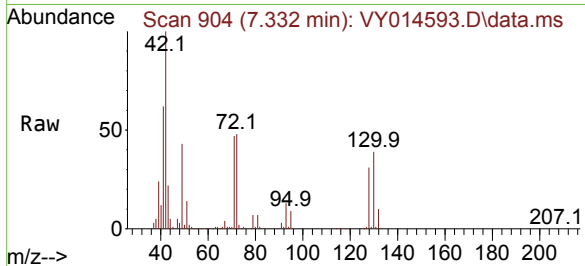




#41  
Methacrylonitrile  
Concen: 155.503 ug/l  
RT: 7.332 min Scan# 901  
Delta R.T. 0.019 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

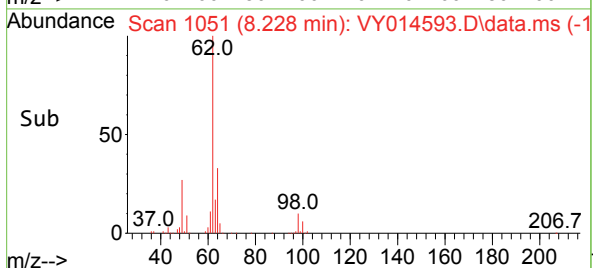
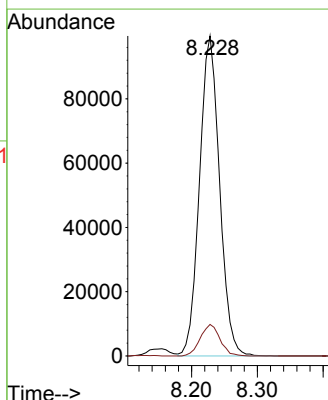
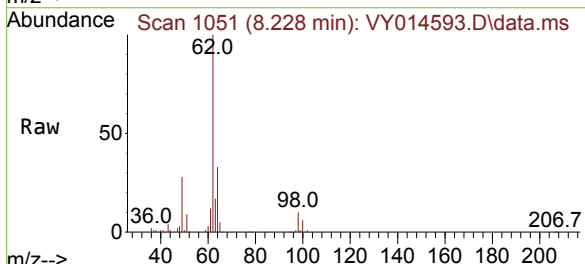
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

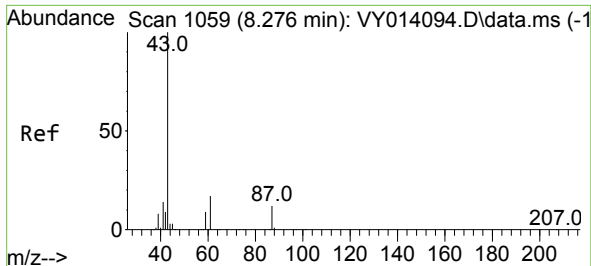
Tgt Ion: 41 Resp: 239995  
Ion Ratio Lower Upper  
41 100  
39 45.5 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 51.624 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 62 Resp: 211580  
Ion Ratio Lower Upper  
62 100  
98 9.7 0.0 15.8

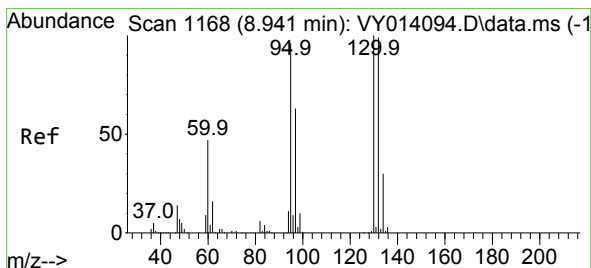
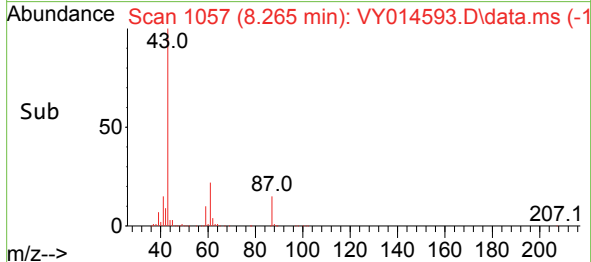
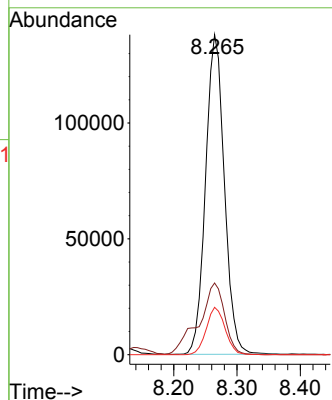
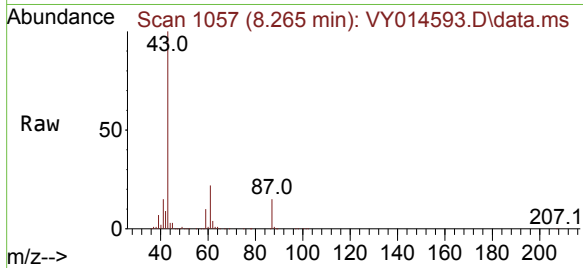




#43  
Isopropyl Acetate  
Concen: 53.358 ug/l  
RT: 8.265 min Scan# 1105  
Delta R.T. -0.011 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

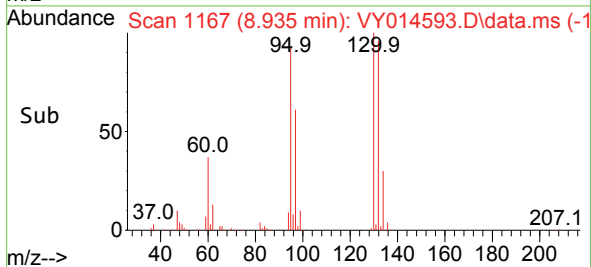
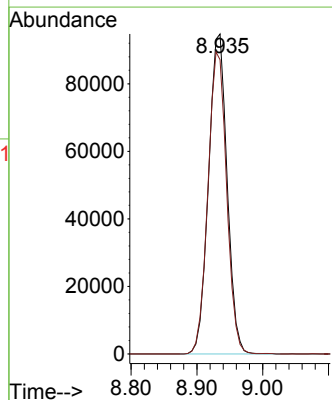
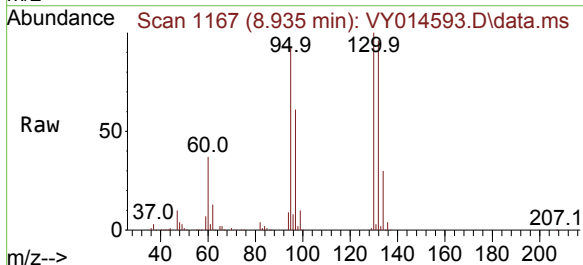
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

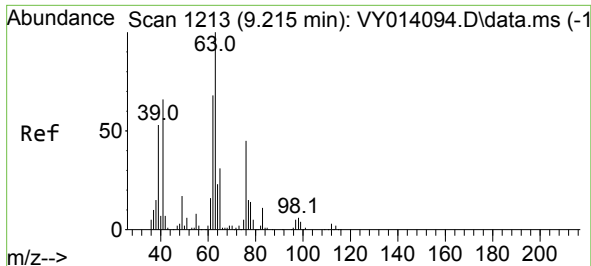
Tgt Ion: 43 Resp: 285663  
Ion Ratio Lower Upper  
43 100  
61 30.9 21.1 31.7  
87 14.9 9.8 14.8#



#44  
Trichloroethene  
Concen: 47.825 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:130 Resp: 185916  
Ion Ratio Lower Upper  
130 100  
95 92.0 0.0 196.0





#45

1,2-Dichloropropane

Concen: 51.235 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

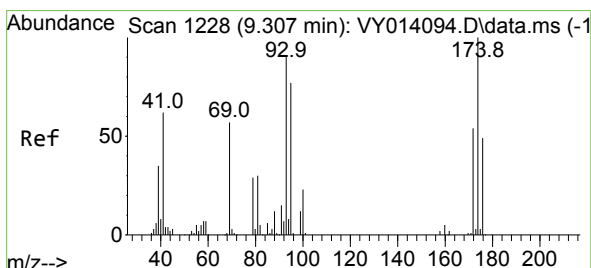
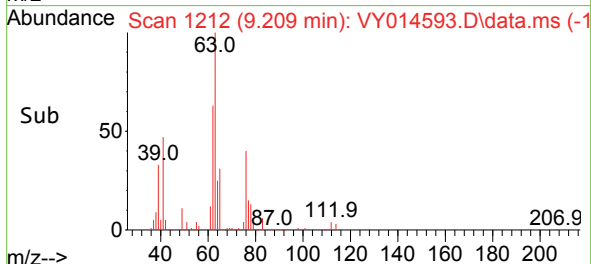
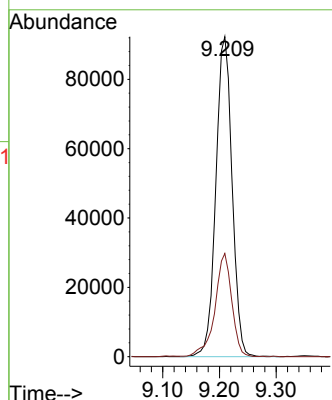
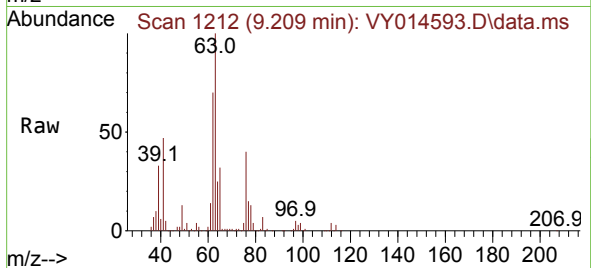
VSTDCCC050EC

Tgt Ion: 63 Resp: 183274

Ion Ratio Lower Upper

63 100

65 32.3 23.8 35.6



#46

Dibromomethane

Concen: 51.370 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.012 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

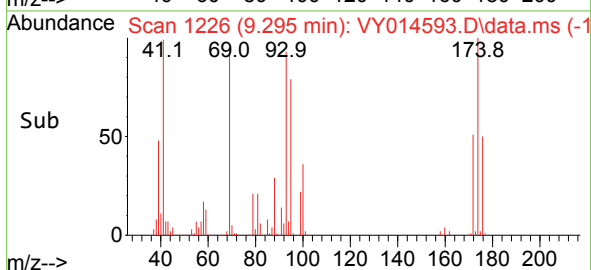
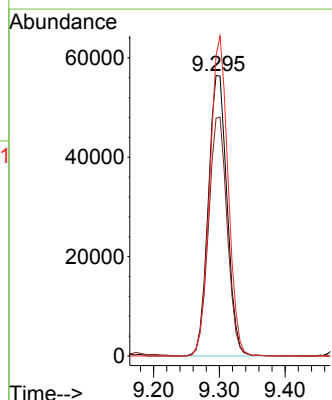
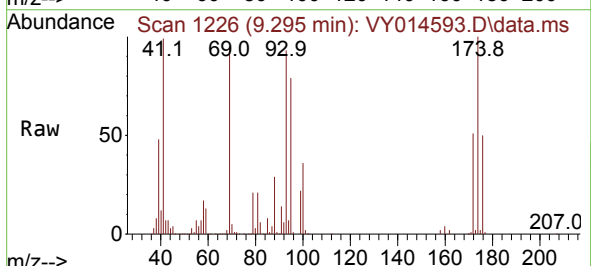
Tgt Ion: 93 Resp: 111869

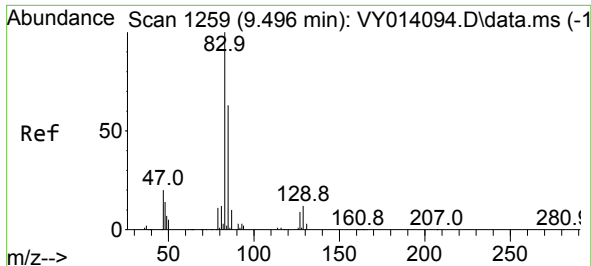
Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

174 110.9 84.8 127.2

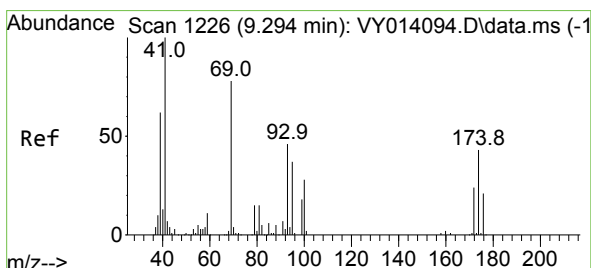
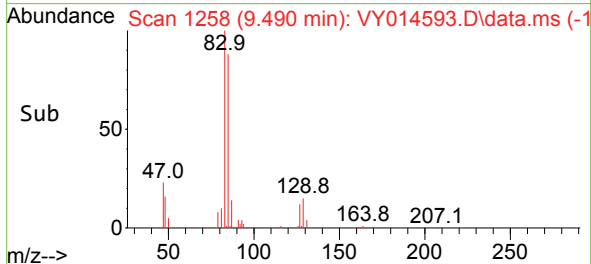
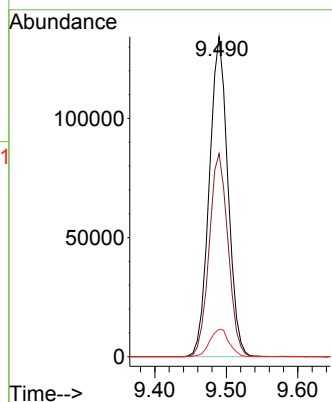
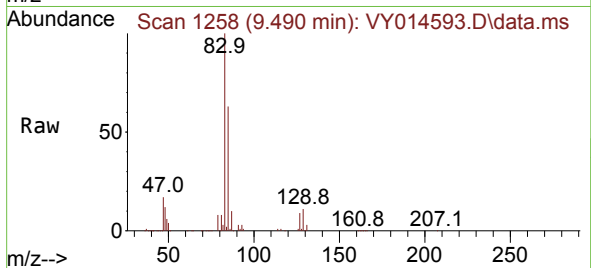




#47  
Bromodichloromethane  
Concen: 50.486 ug/l  
RT: 9.490 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

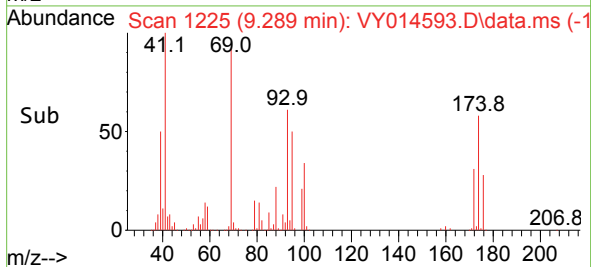
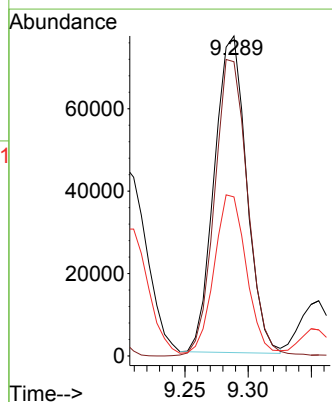
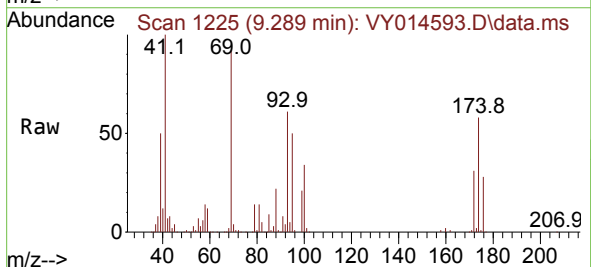
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

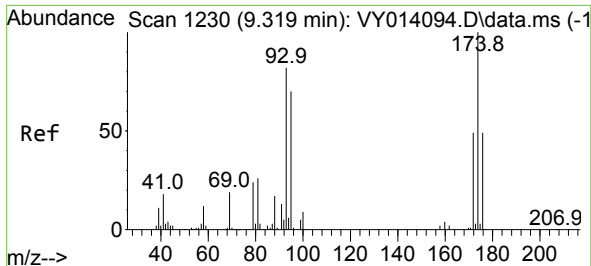
Tgt Ion: 83 Resp: 242245  
Ion Ratio Lower Upper  
83 100  
85 63.5 50.1 75.1  
127 8.5 7.1 10.7



#48  
Methyl methacrylate  
Concen: 56.022 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.005 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 41 Resp: 136389  
Ion Ratio Lower Upper  
41 100  
69 96.5 64.5 96.7  
39 49.7 50.8 76.2#

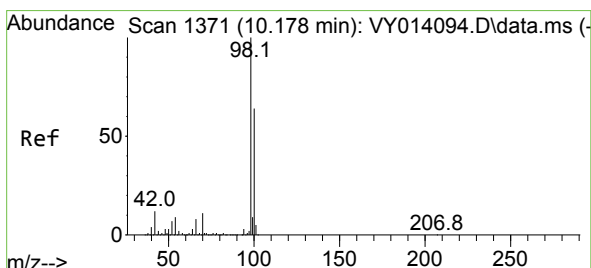
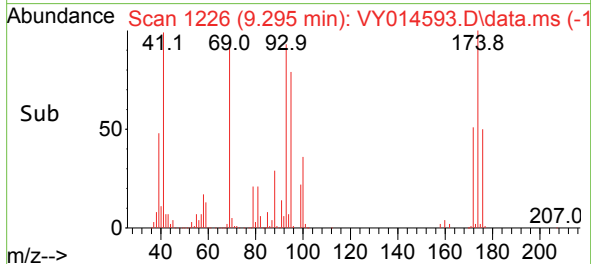
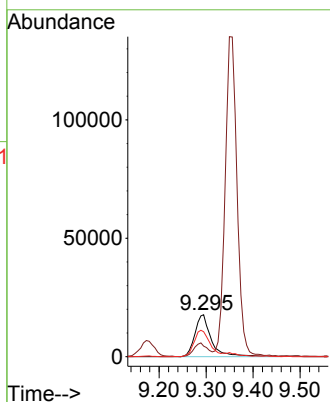
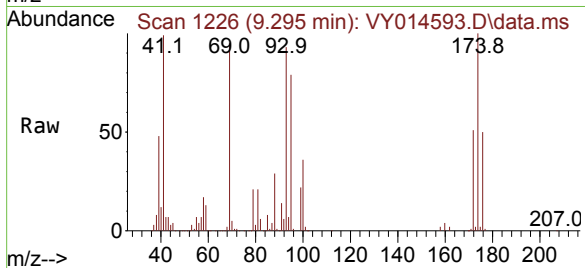




#49  
1,4-Dioxane  
Concen: 1110.680 ug/l  
RT: 9.295 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

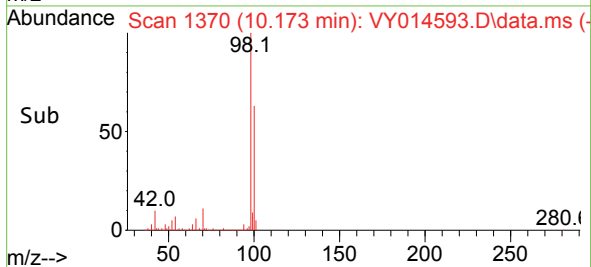
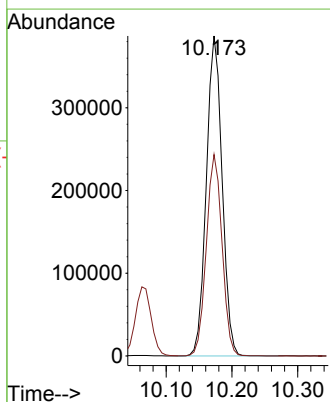
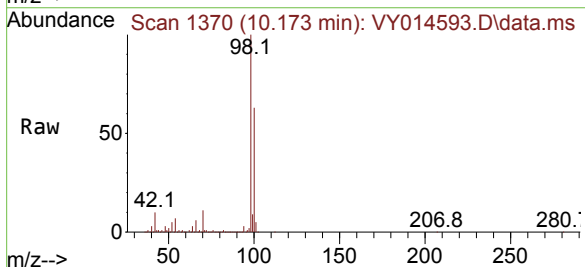
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

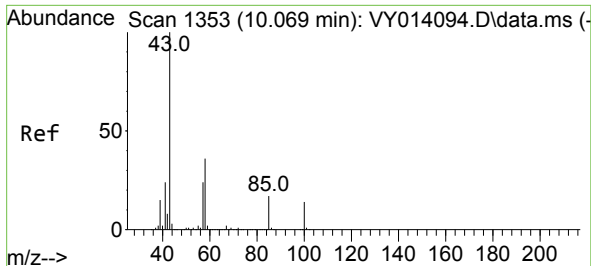
Tgt Ion: 88 Resp: 43191  
Ion Ratio Lower Upper  
88 100  
43 27.2 0.0 0.0#  
58 69.4 30.9 46.3#



#50  
Toluene-d8  
Concen: 54.322 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.005 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 98 Resp: 645945  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.1 75.1

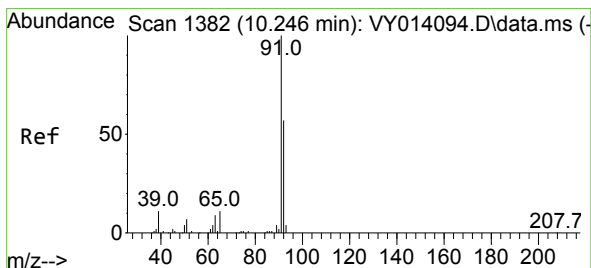
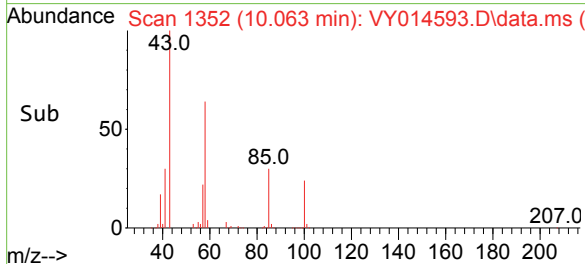
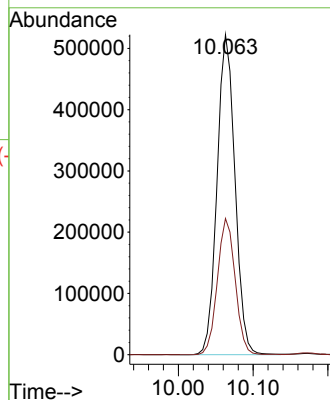
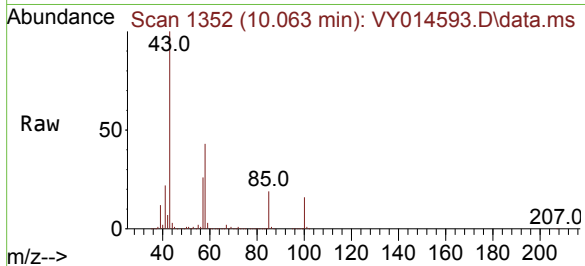




#51  
4-Methyl-2-Pentanone  
Concen: 274.653 ug/l  
RT: 10.063 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

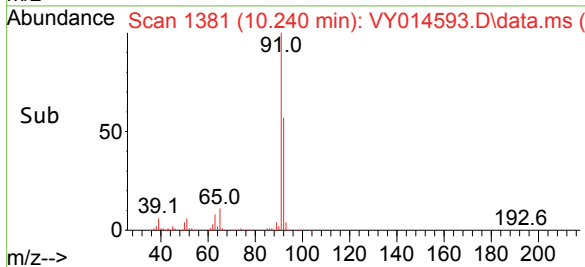
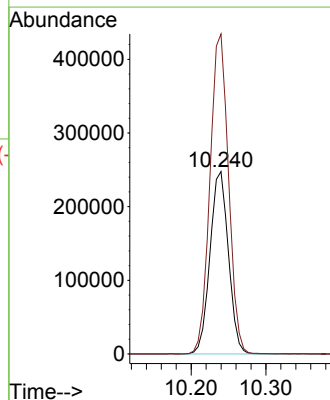
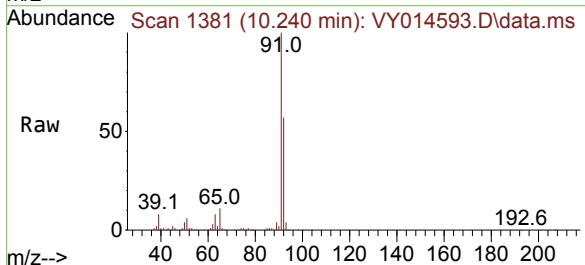
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

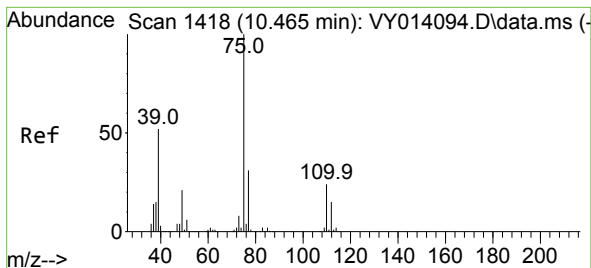
Tgt Ion: 43 Resp: 870515  
Ion Ratio Lower Upper  
43 100  
58 42.4 29.0 43.6



#52  
Toluene  
Concen: 48.156 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 92 Resp: 422557  
Ion Ratio Lower Upper  
92 100  
91 176.8 143.8 215.6

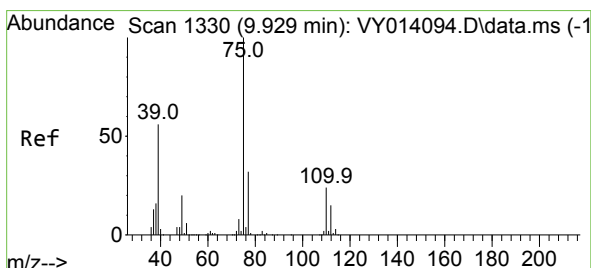
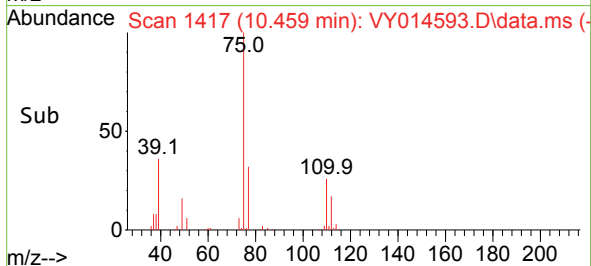
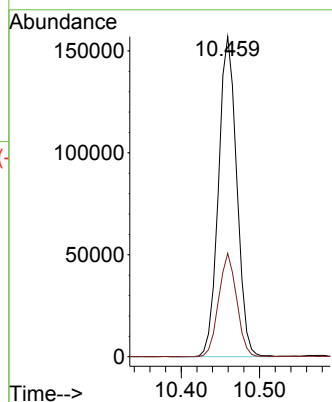
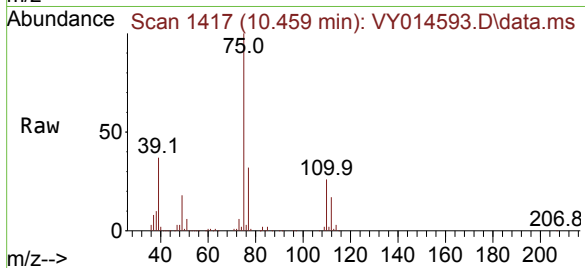




#53  
 t-1,3-Dichloropropene  
 Concen: 49.693 ug/l  
 RT: 10.459 min Scan# 1418  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

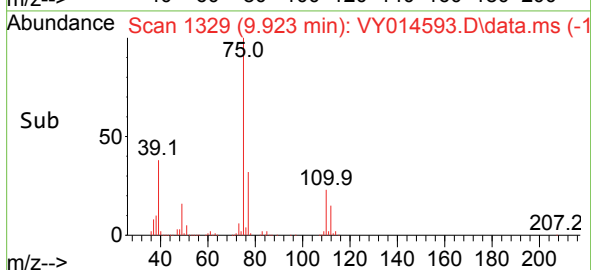
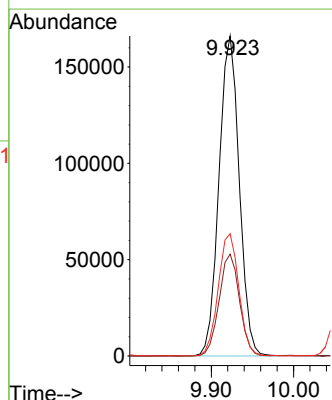
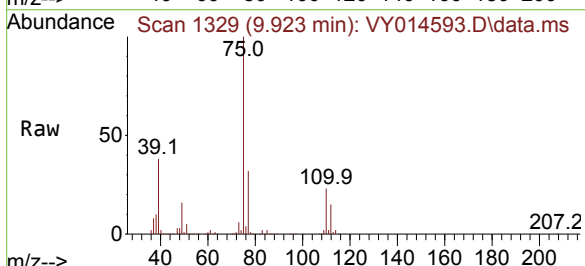
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

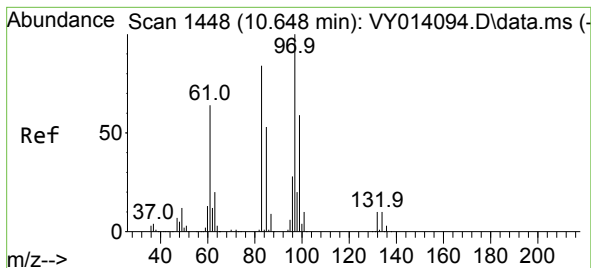
Tgt Ion: 75 Resp: 254978  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.654 ug/l  
 RT: 9.923 min Scan# 1329  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

Tgt Ion: 75 Resp: 284264  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 24.2 36.4  
 39 38.1 42.2 63.4#

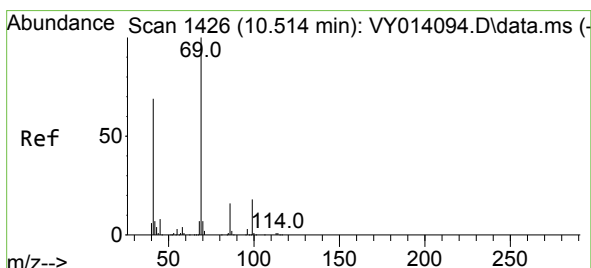
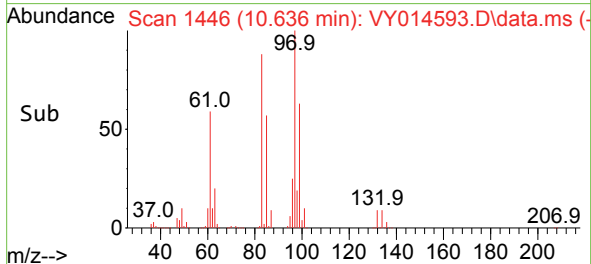
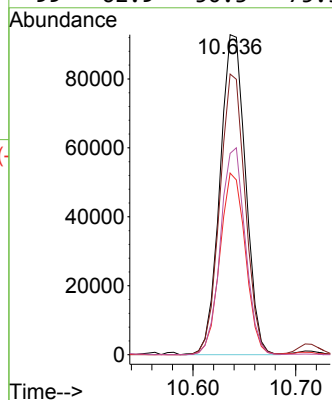
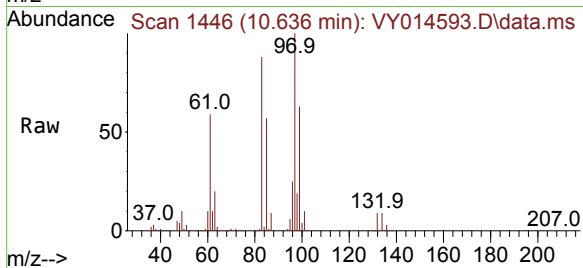




#55  
 1,1,2-Trichloroethane  
 Concen: 50.723 ug/l  
 RT: 10.636 min Scan# 1446  
 Delta R.T. -0.012 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

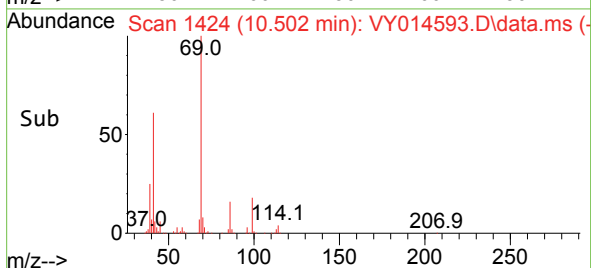
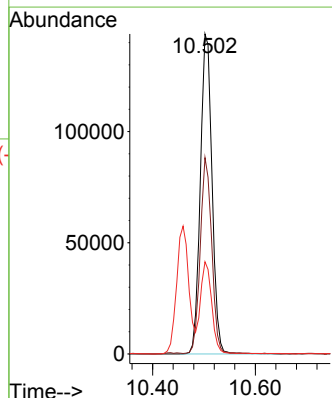
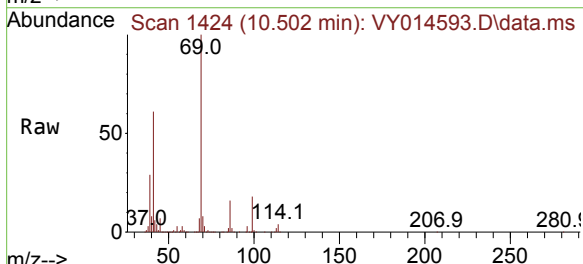
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

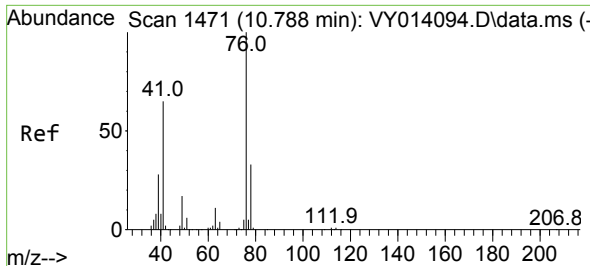
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 160728 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.7  | 72.0  | 108.0  |
| 85       | 56.8  | 45.4  | 68.0   |
| 99       | 62.9  | 50.3  | 75.5   |



#56  
 Ethyl methacrylate  
 Concen: 52.744 ug/l  
 RT: 10.502 min Scan# 1424  
 Delta R.T. -0.012 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 227351 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 59.7  | 57.6  | 86.4   |
| 39       | 27.3  | 34.1  | 51.1#  |





#57

1,3-Dichloropropane

Concen: 50.954 ug/l

RT: 10.782 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

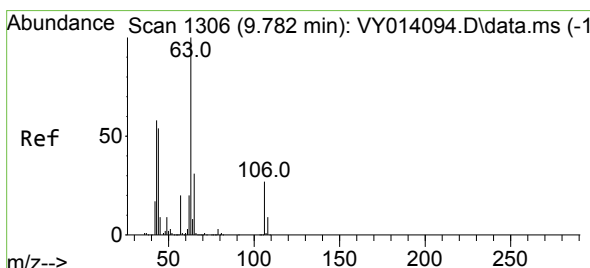
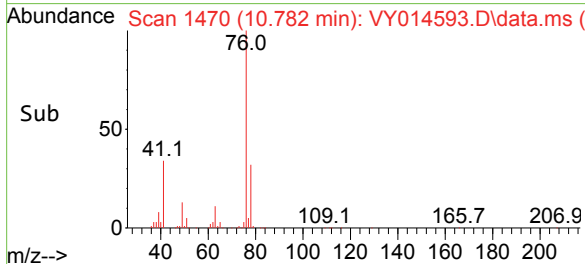
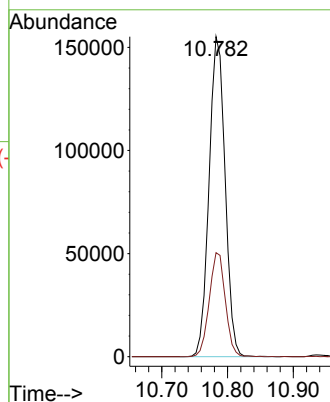
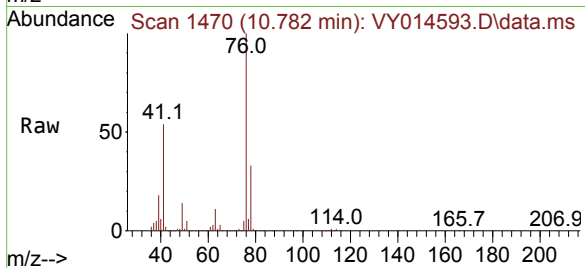
VSTDCCC050EC

Tgt Ion: 76 Resp: 263082

Ion Ratio Lower Upper

76 100

78 32.5 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 283.188 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY014593.D

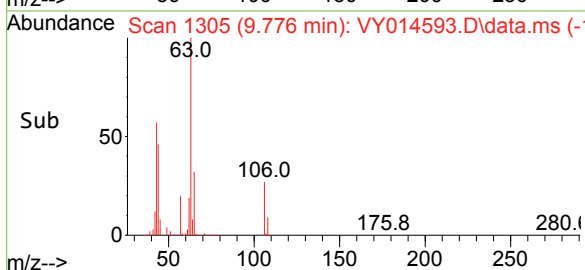
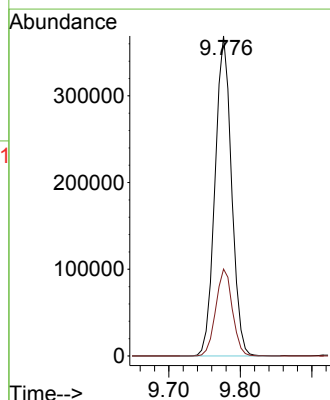
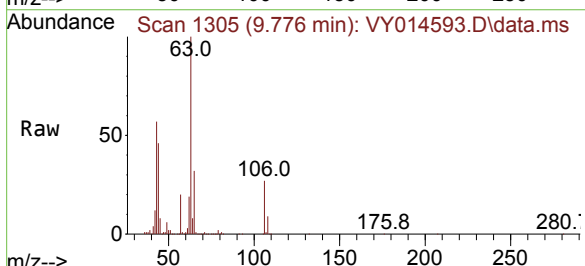
Acq: 06 Jul 2023 17:07

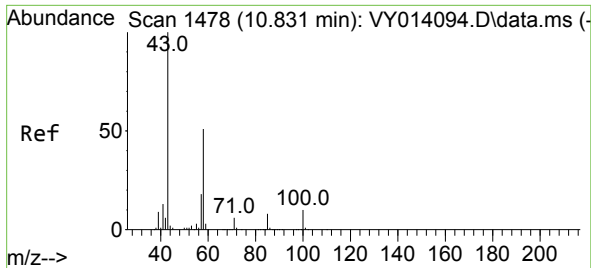
Tgt Ion: 63 Resp: 591358

Ion Ratio Lower Upper

63 100

106 27.3 21.2 31.8

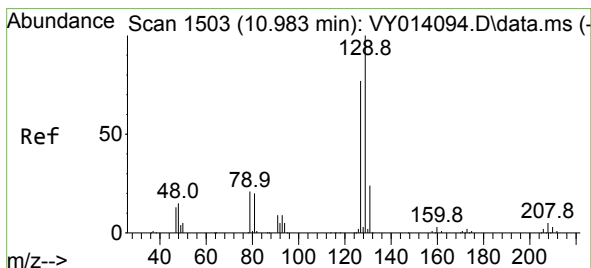
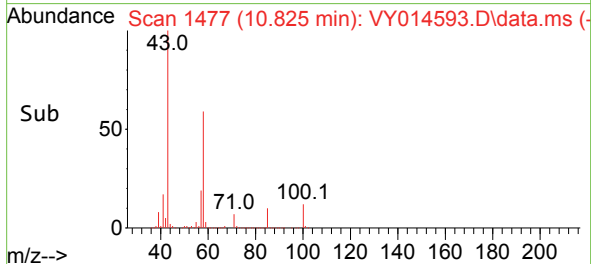
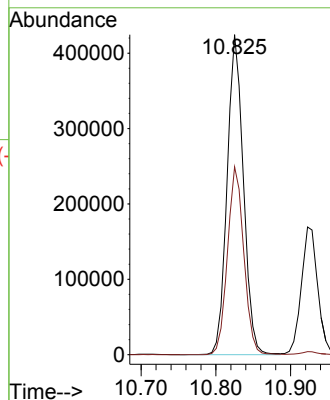
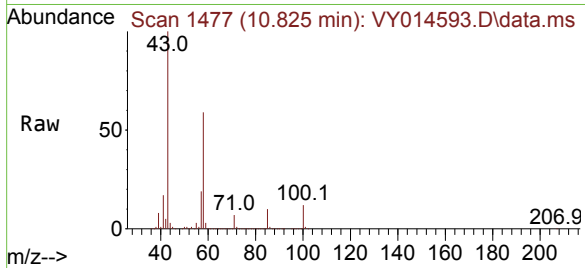




#59  
2-Hexanone  
Concen: 280.858 ug/l  
RT: 10.825 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

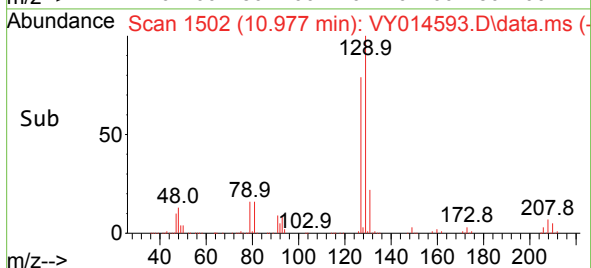
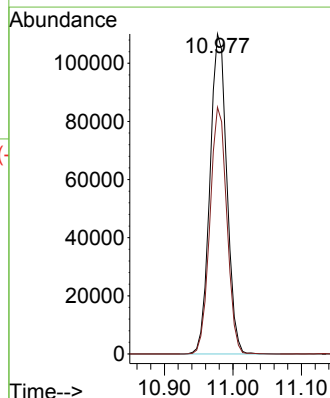
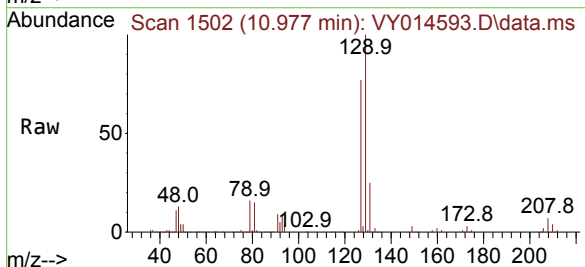
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

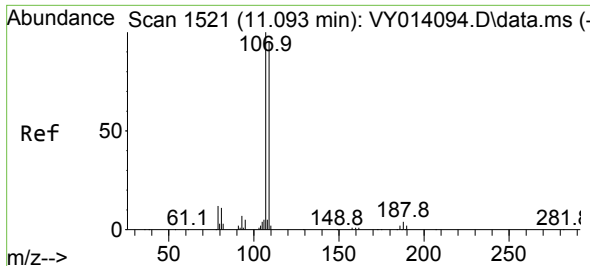
Tgt Ion: 43 Resp: 643032  
Ion Ratio Lower Upper  
43 100  
58 58.8 25.1 75.3



#60  
Dibromochloromethane  
Concen: 50.755 ug/l  
RT: 10.977 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 129 Resp: 188454  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.5 115.5

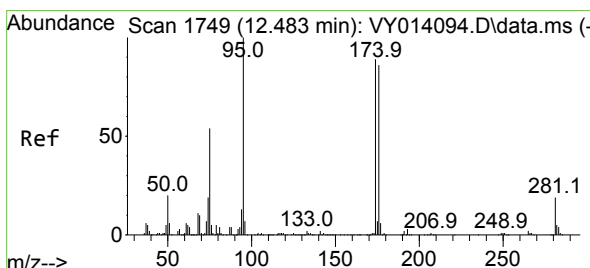
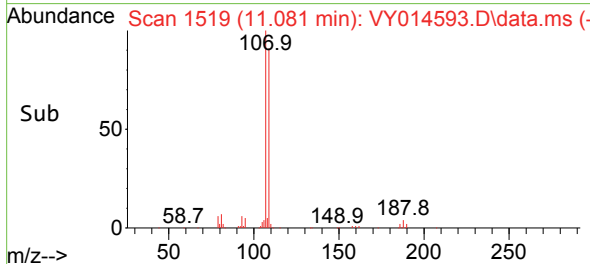
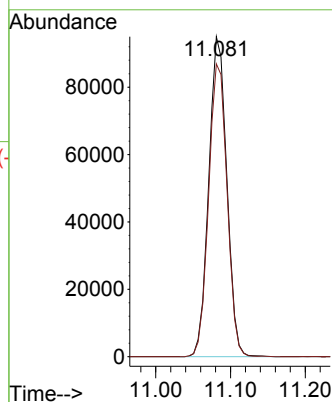
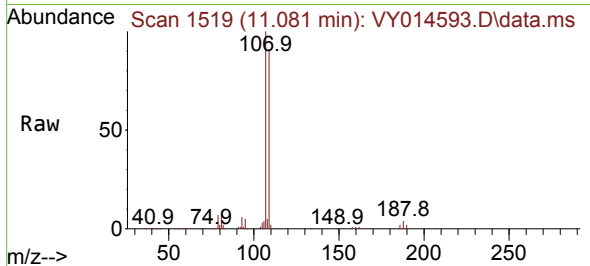




#61  
1,2-Dibromoethane  
Concen: 51.456 ug/l  
RT: 11.081 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

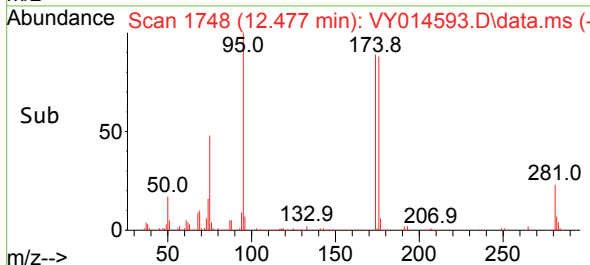
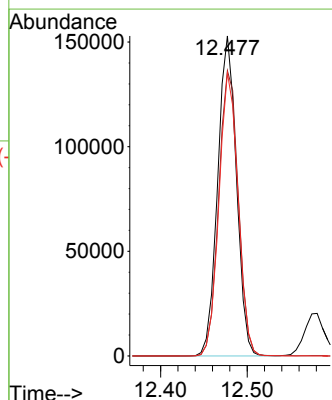
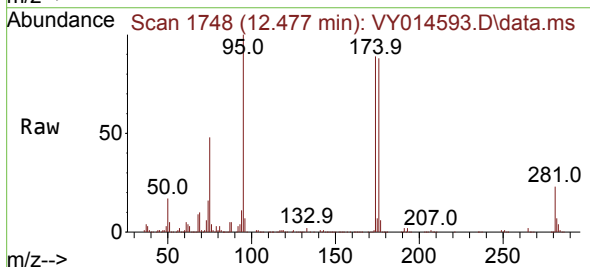
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

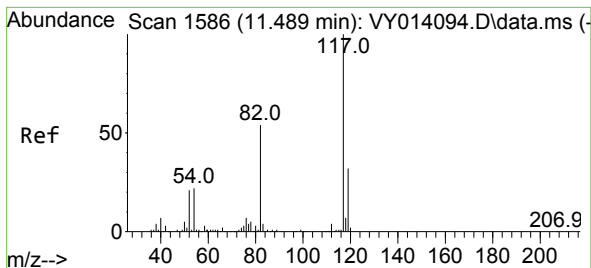
Tgt Ion:107 Resp: 159185  
Ion Ratio Lower Upper  
107 100  
109 93.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 55.589 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 95 Resp: 229530  
Ion Ratio Lower Upper  
95 100  
174 93.2 0.0 178.2  
176 90.3 0.0 173.8

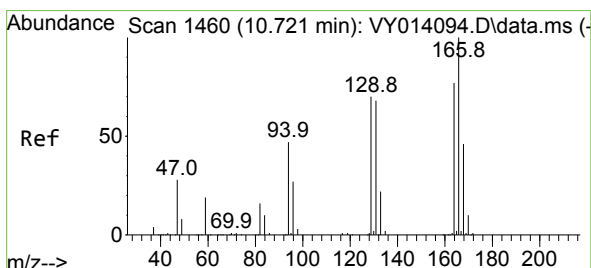
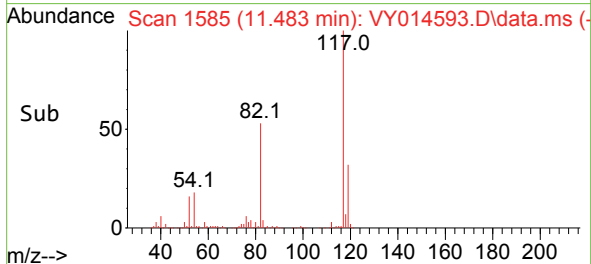
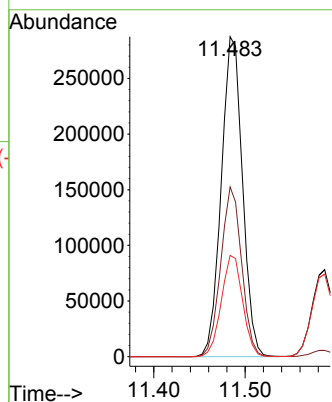
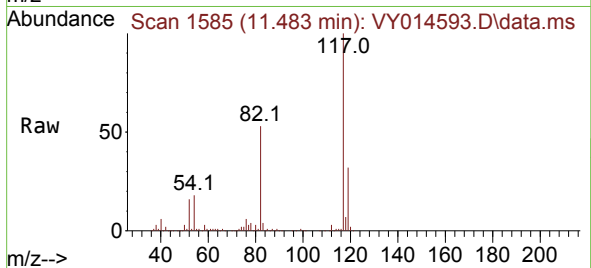




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

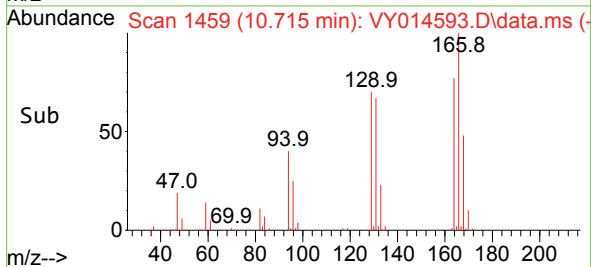
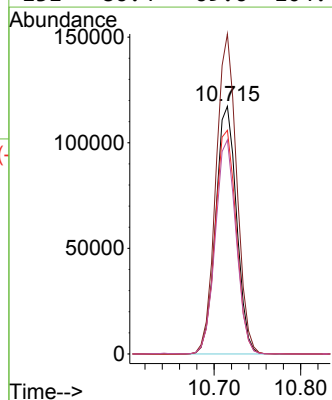
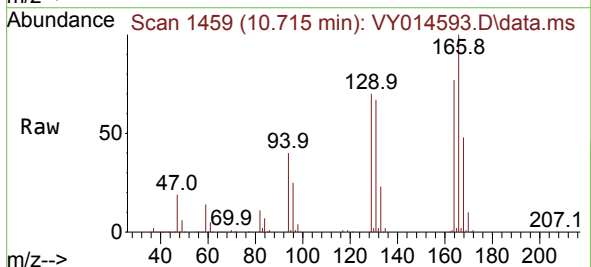
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

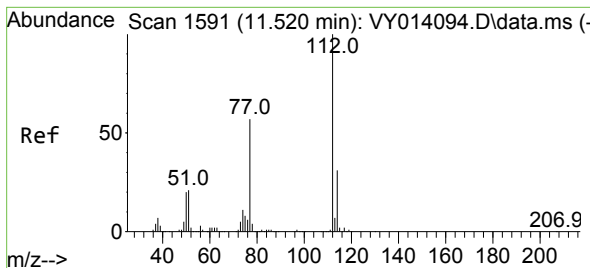
Tgt Ion:117 Resp: 463874  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.4 65.0  
119 31.6 26.3 39.5



#64  
Tetrachloroethene  
Concen: 47.369 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:164 Resp: 196427  
Ion Ratio Lower Upper  
164 100  
166 129.2 103.0 154.6  
129 90.4 77.2 115.8  
131 86.4 69.6 104.4

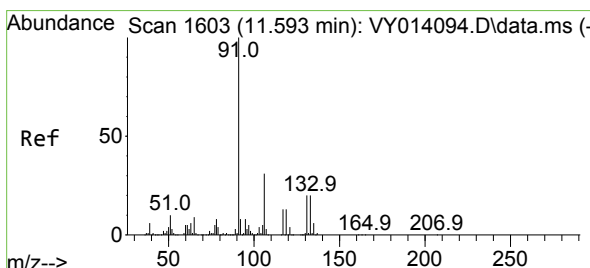
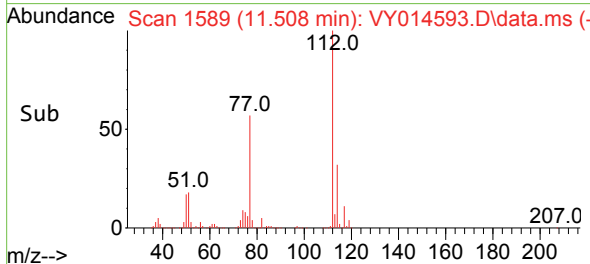
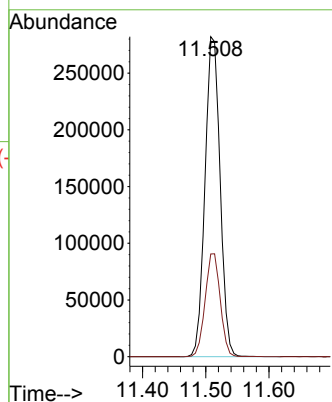
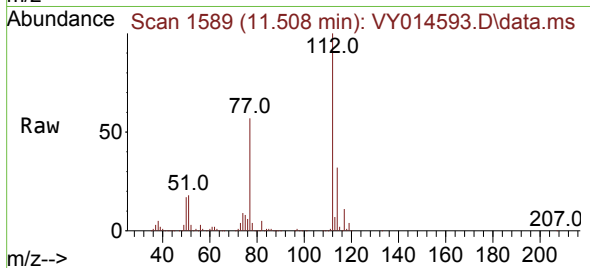




#65  
Chlorobenzene  
Concen: 47.452 ug/l  
RT: 11.508 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

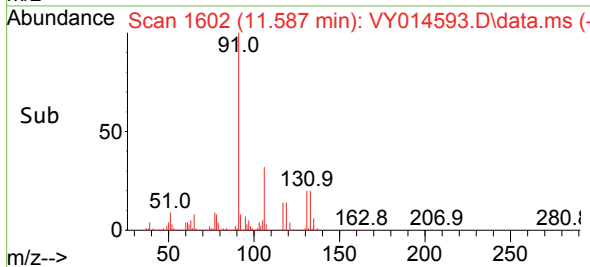
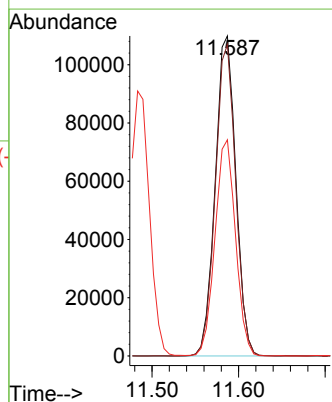
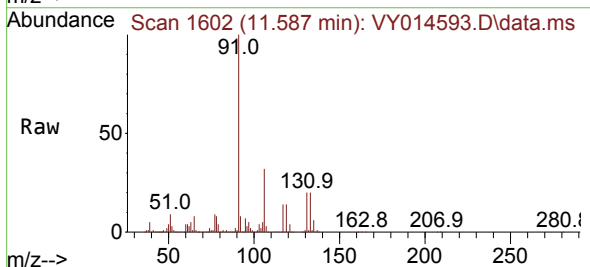
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

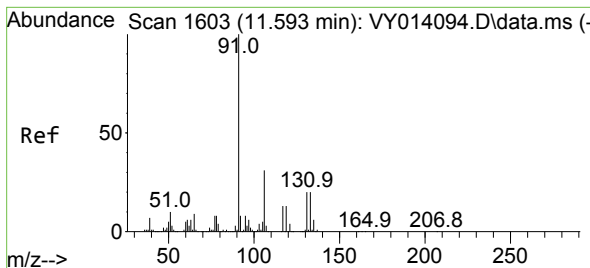
Tgt Ion:112 Resp: 469092  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.346 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:131 Resp: 181647  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.5 142.6  
119 67.5 31.6 94.7





#67

Ethyl Benzene

Concen: 48.182 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

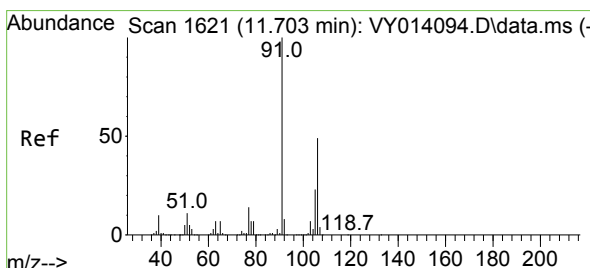
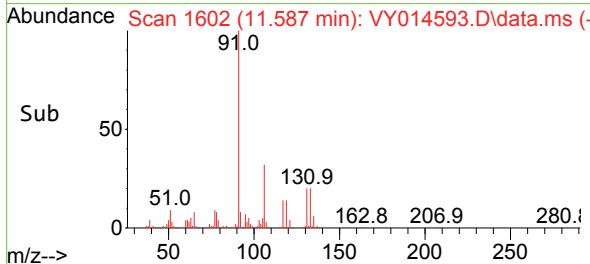
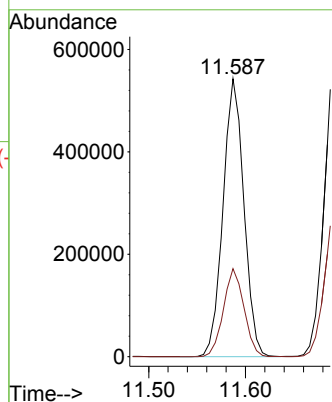
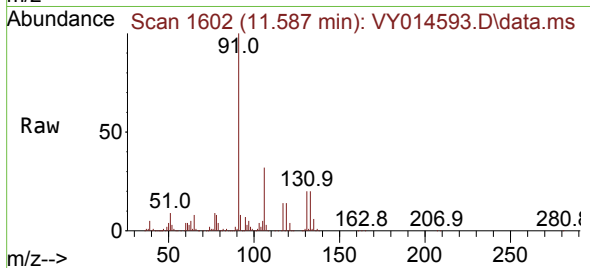
VSTDCCC050EC

Tgt Ion: 91 Resp: 812246

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 94.783 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY014593.D

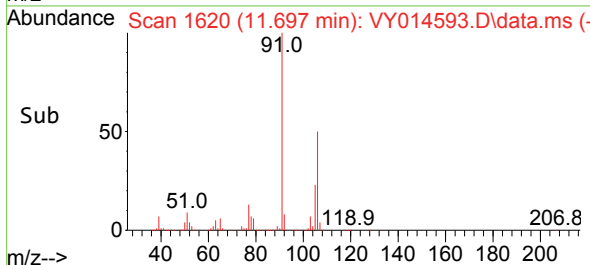
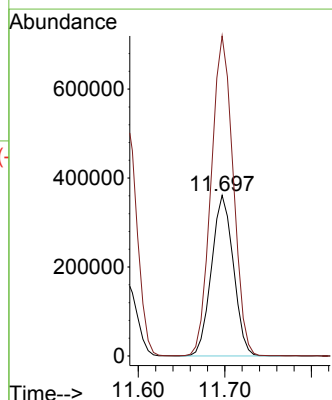
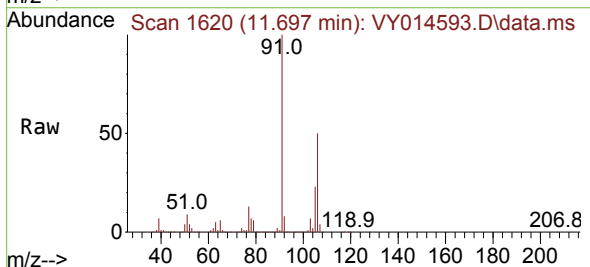
Acq: 06 Jul 2023 17:07

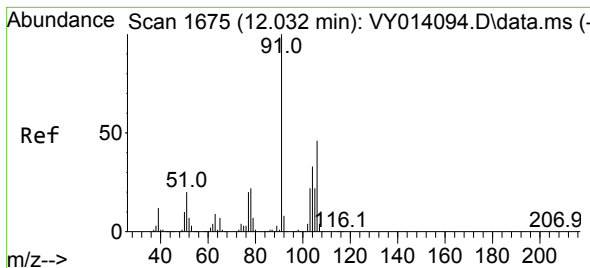
Tgt Ion:106 Resp: 633811

Ion Ratio Lower Upper

106 100

91 201.2 166.1 249.1

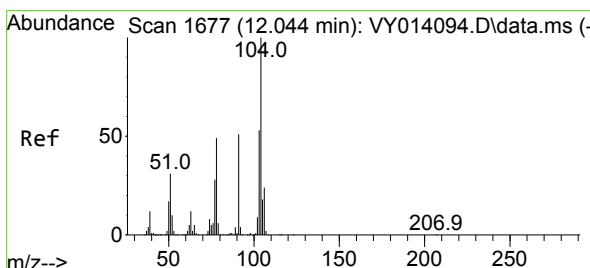
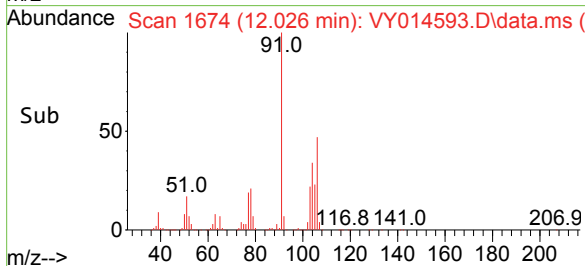
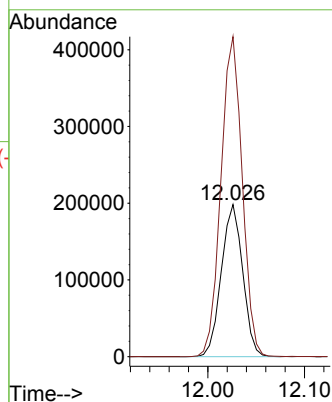
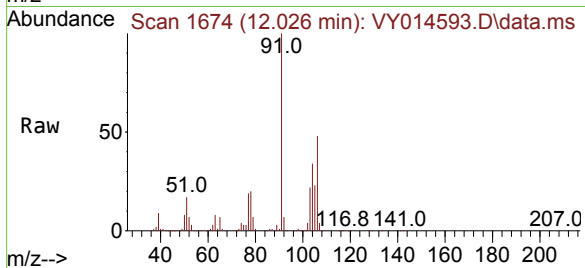




#69  
o-Xylene  
Concen: 47.890 ug/l  
RT: 12.026 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

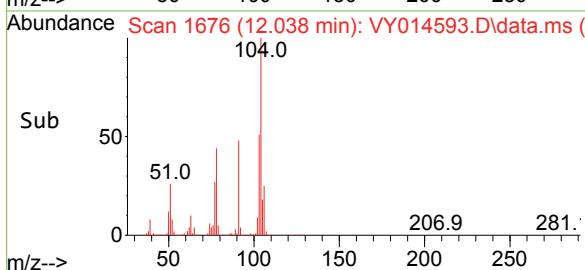
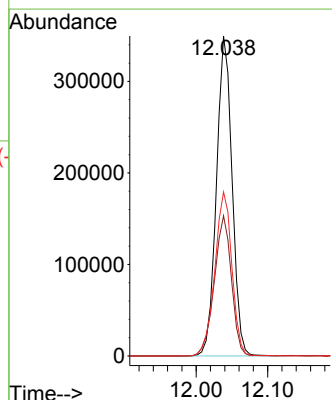
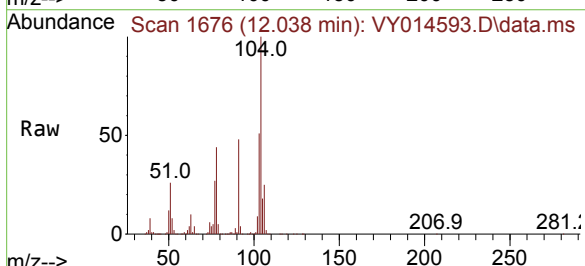
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

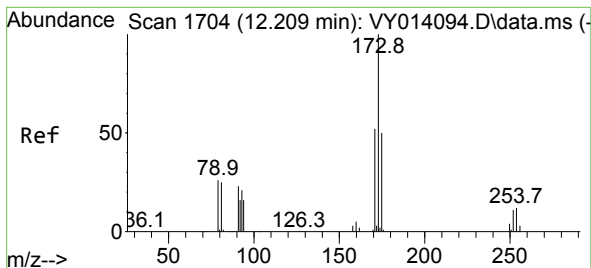
Tgt Ion:106 Resp: 303736  
Ion Ratio Lower Upper  
106 100  
91 209.7 108.1 324.3



#70  
Styrene  
Concen: 48.718 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:104 Resp: 531605  
Ion Ratio Lower Upper  
104 100  
78 47.8 41.5 62.3  
103 55.9 44.6 67.0





#71

Bromoform

Concen: 49.948 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

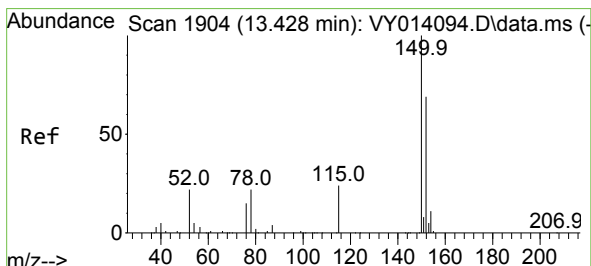
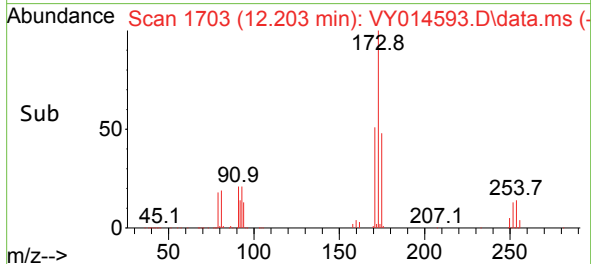
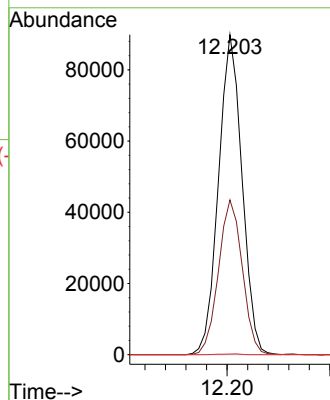
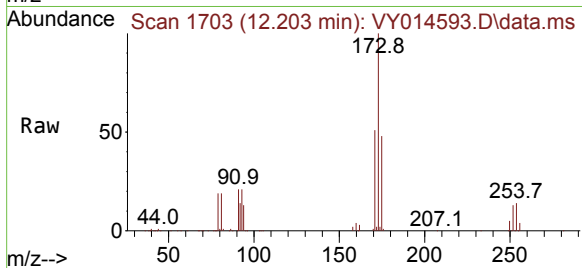
Tgt Ion:173 Resp: 142575

Ion Ratio Lower Upper

173 100

175 49.0 24.6 73.8

254 0.2 0.2 0.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

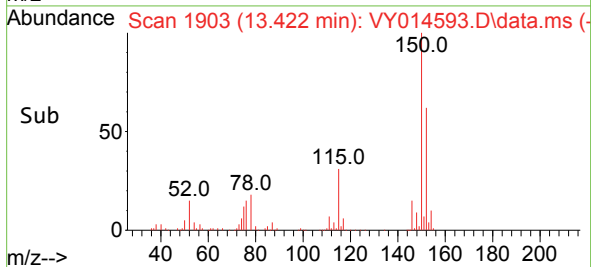
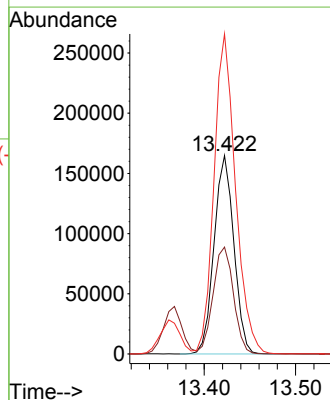
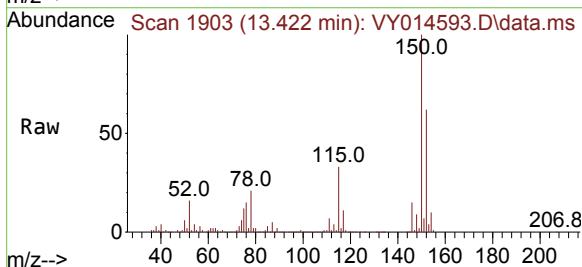
Tgt Ion:152 Resp: 248584

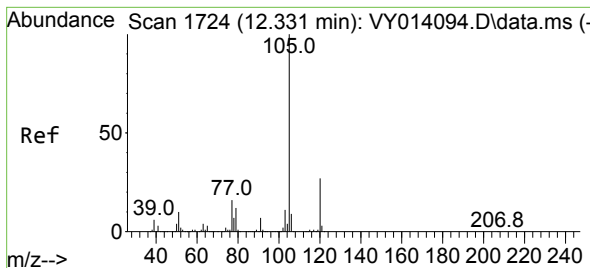
Ion Ratio Lower Upper

152 100

115 55.6 28.8 86.5

150 175.3 0.0 348.8





#73

Isopropylbenzene

Concen: 48.125 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

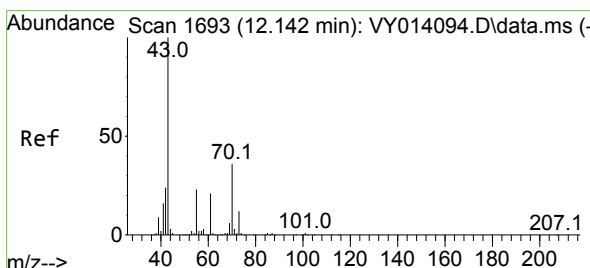
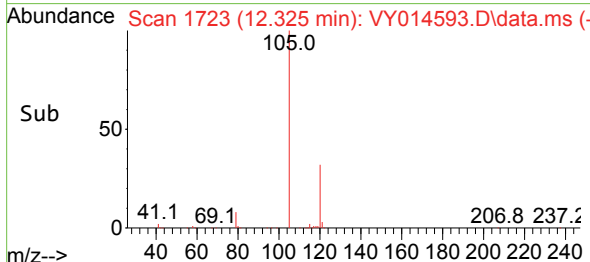
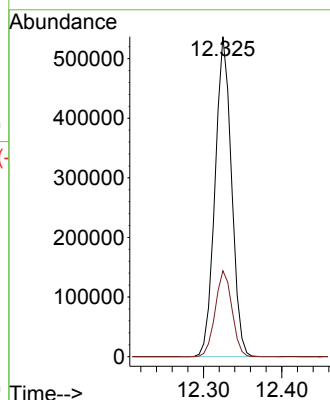
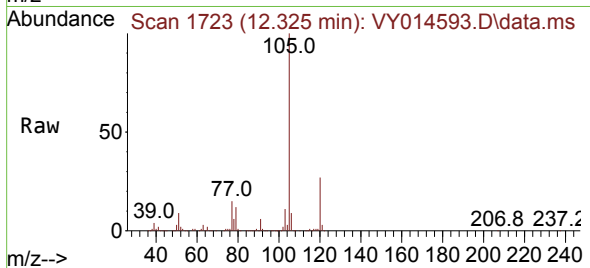
VSTDCCC050EC

Tgt Ion:105 Resp: 783490

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



#74

N-ethyl acetate

Concen: 52.056 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Tgt Ion: 43 Resp: 255782

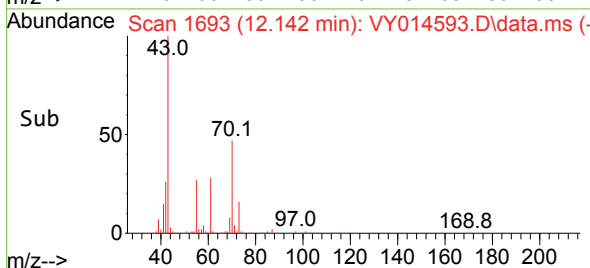
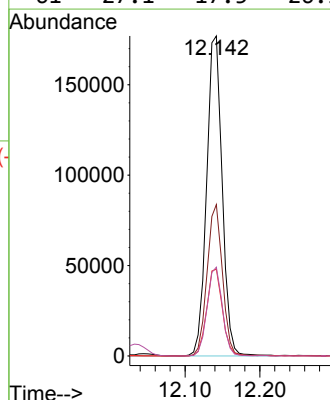
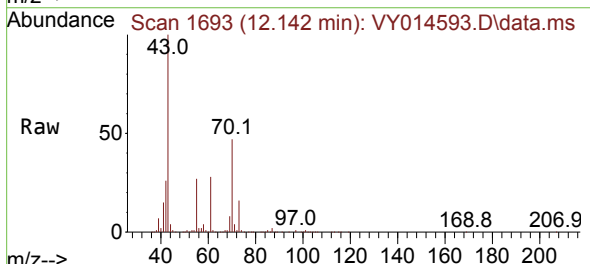
Ion Ratio Lower Upper

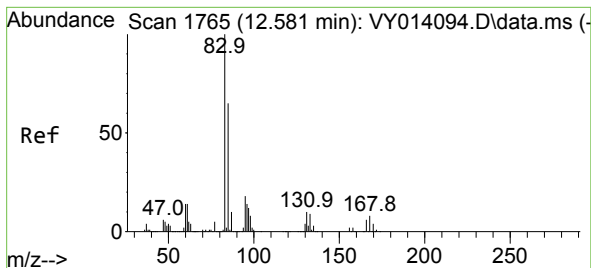
43 100

70 46.6 29.7 44.5#

55 27.6 18.3 27.5#

61 27.1 17.5 26.3#

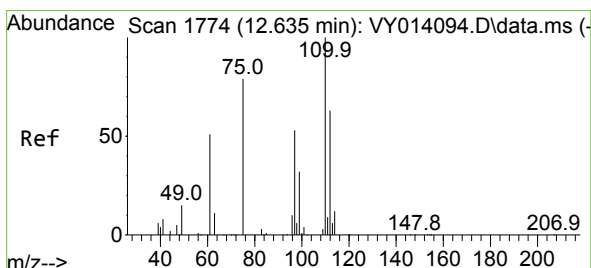
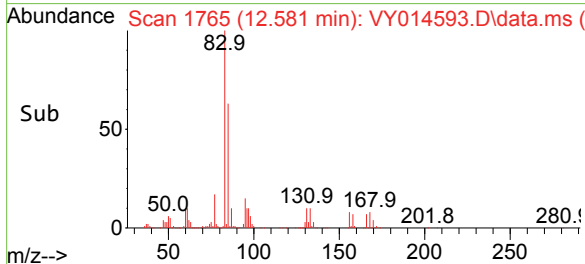
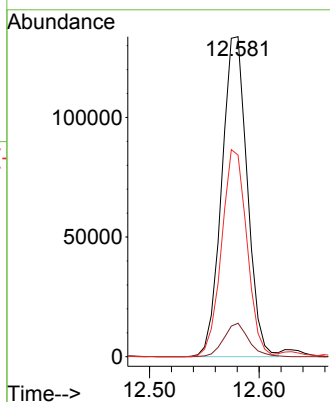
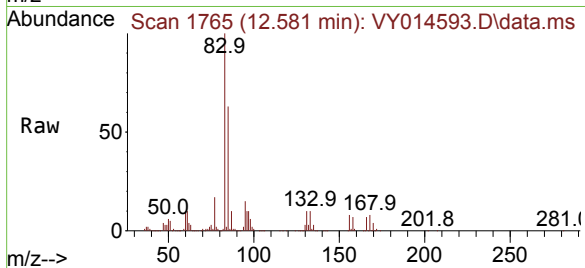




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.846 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

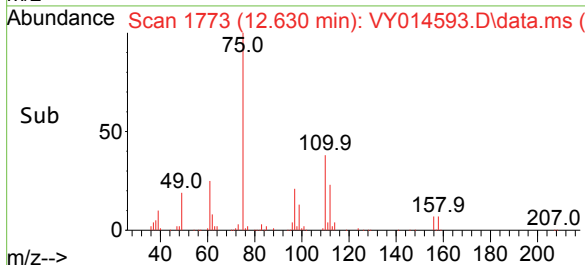
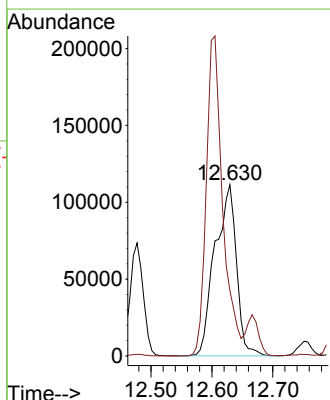
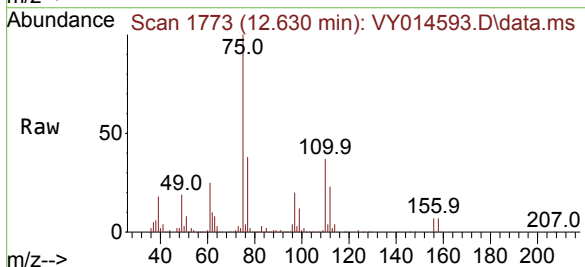
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

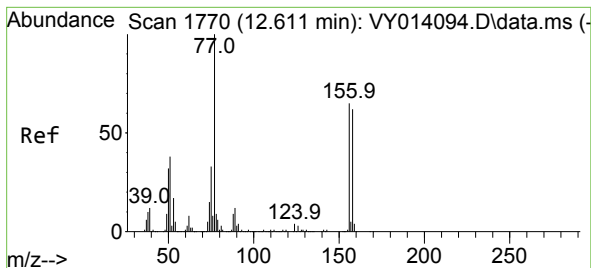
Tgt Ion: 83 Resp: 216610  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.4 16.2  
85 64.3 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 93.650 ug/l  
RT: 12.630 min Scan# 1773  
Delta R.T. -0.005 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 75 Resp: 273180  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.177 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

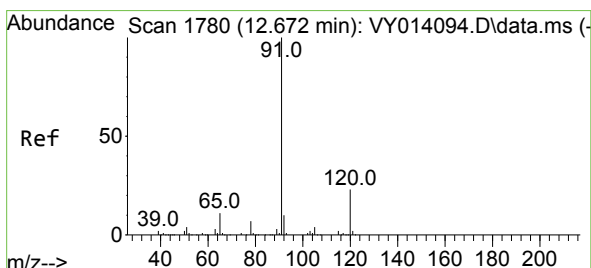
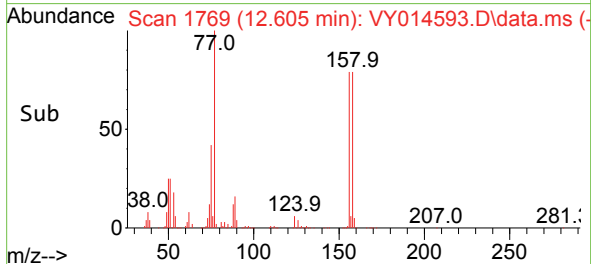
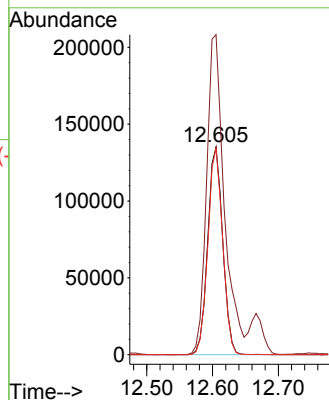
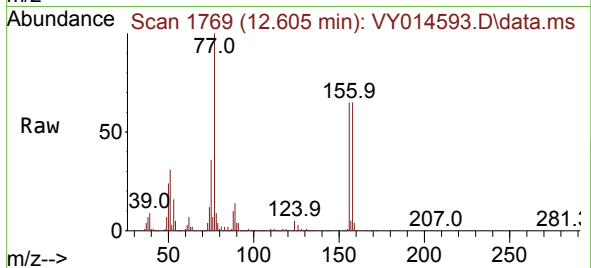
Tgt Ion:156 Resp: 214228

Ion Ratio Lower Upper

156 100

77 181.6 92.8 278.6

158 97.9 48.4 145.3



#78

n-propylbenzene

Concen: 49.855 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY014593.D

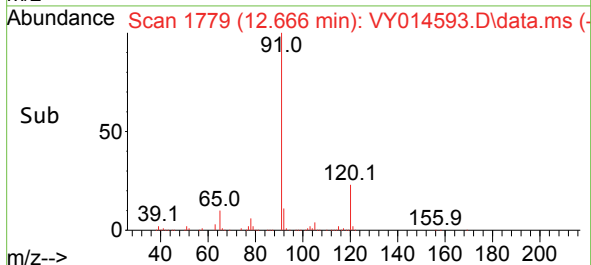
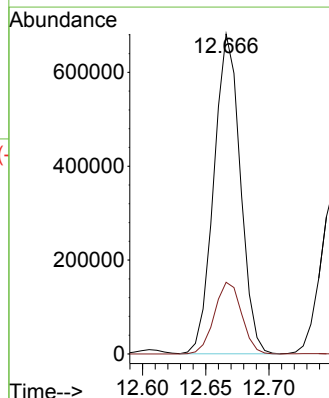
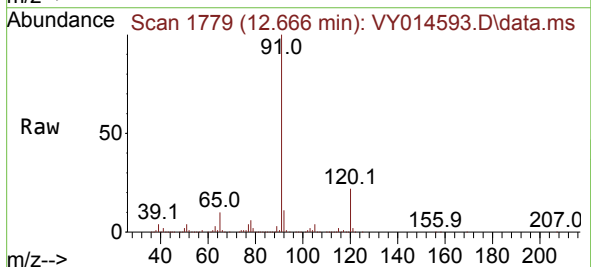
Acq: 06 Jul 2023 17:07

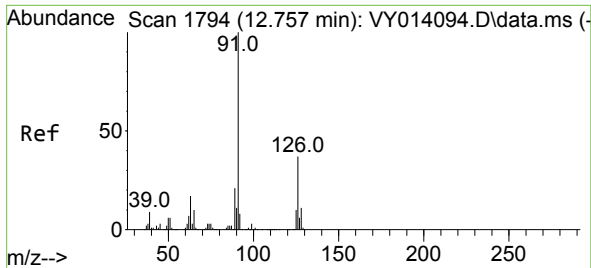
Tgt Ion: 91 Resp: 990092

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

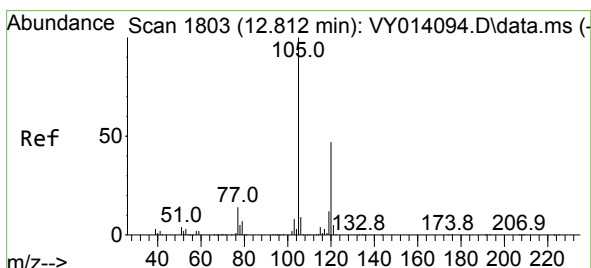
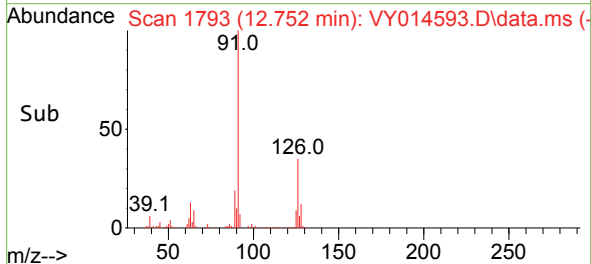
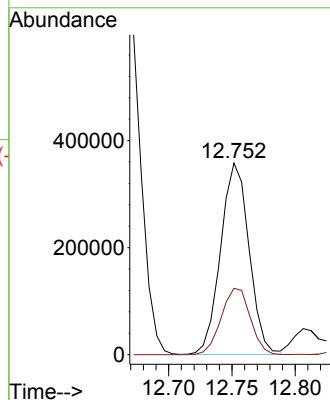
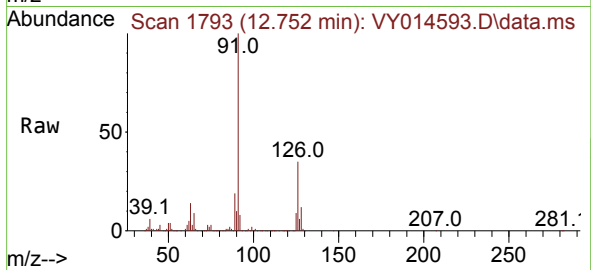




#79  
2-Chlorotoluene  
Concen: 48.968 ug/l  
RT: 12.752 min Scan# 1793  
Delta R.T. -0.005 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

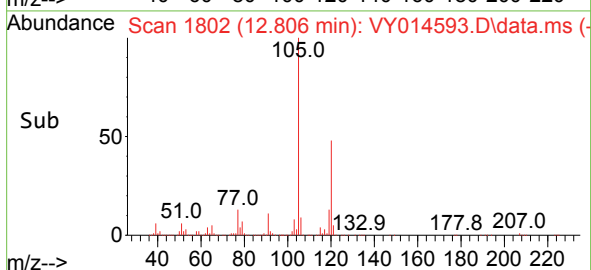
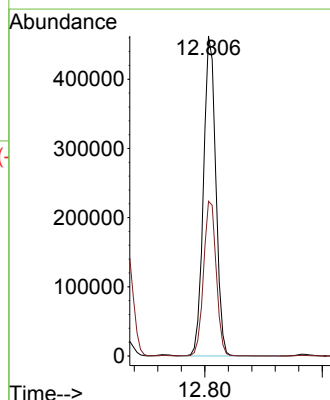
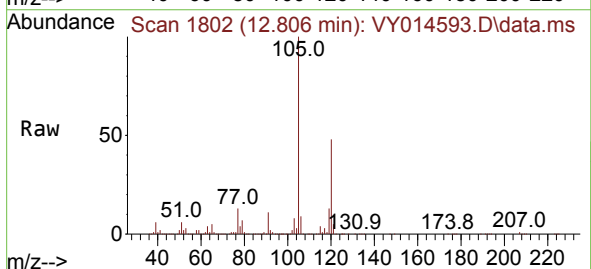
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

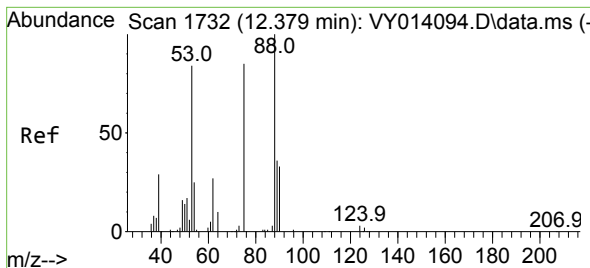
Tgt Ion: 91 Resp: 559659  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 48.918 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 105 Resp: 674214  
Ion Ratio Lower Upper  
105 100  
120 49.6 23.9 71.7

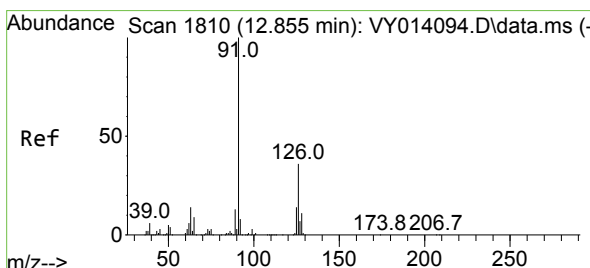
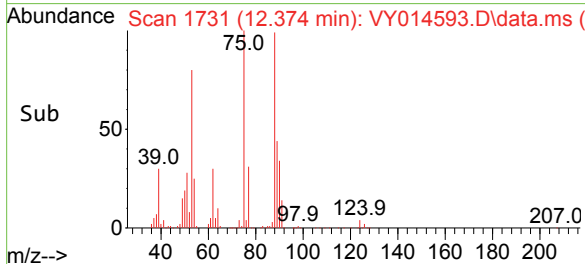
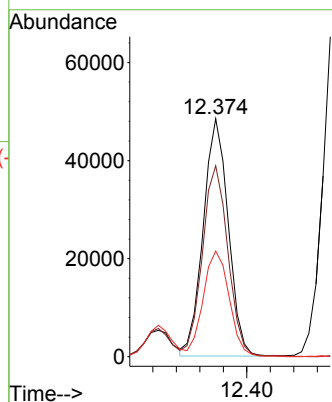
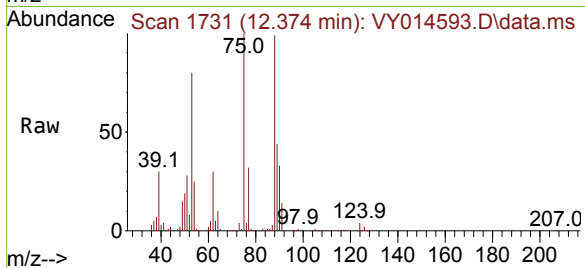




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.789 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

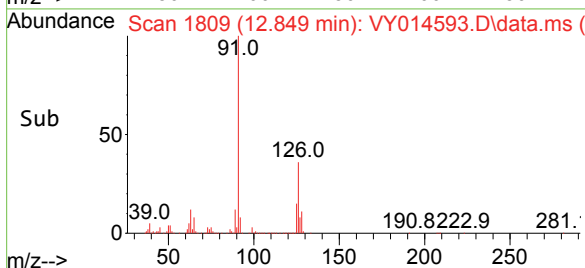
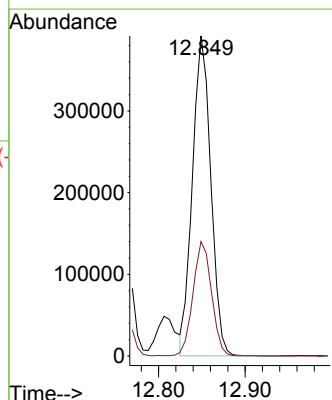
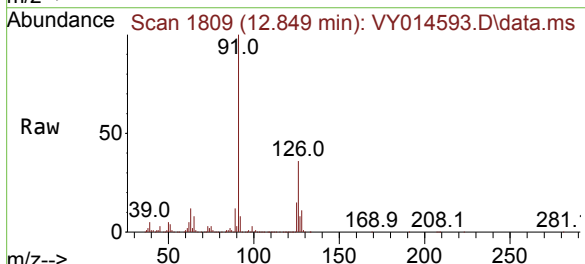
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

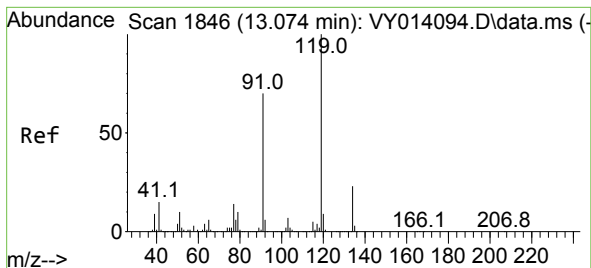
Tgt Ion: 75 Resp: 71620  
Ion Ratio Lower Upper  
75 100  
53 81.4 77.8 116.8  
89 46.1 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 48.224 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion: 91 Resp: 577410  
Ion Ratio Lower Upper  
91 100  
126 36.2 17.2 51.6





#83

tert-Butylbenzene

Concen: 46.627 ug/l

RT: 13.069 min Scan# 1845

Delta R.T. -0.005 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

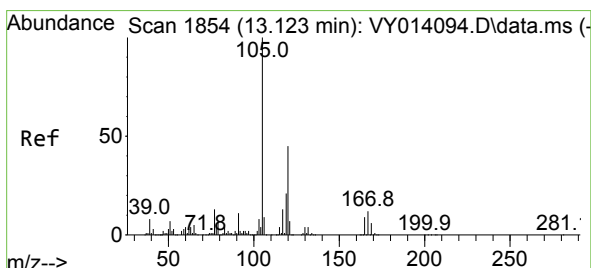
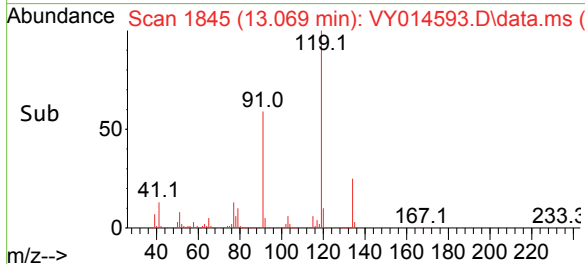
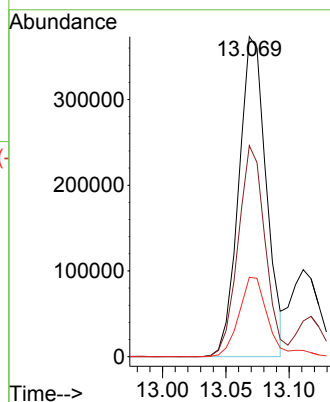
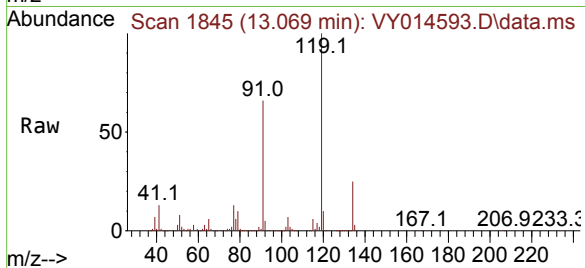
Tgt Ion:119 Resp: 564779

Ion Ratio Lower Upper

119 100

91 65.2 32.9 98.6

134 26.7 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 49.086 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY014593.D

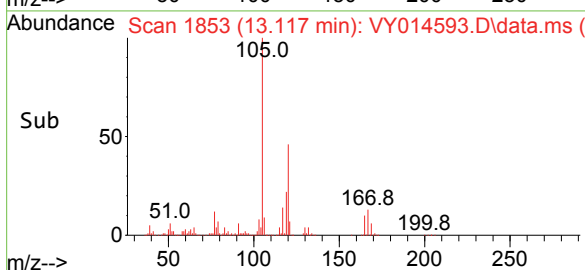
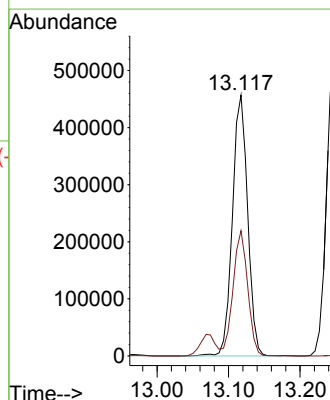
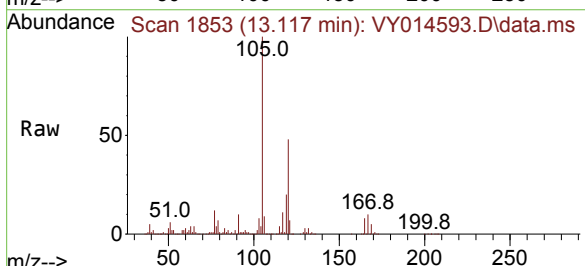
Acq: 06 Jul 2023 17:07

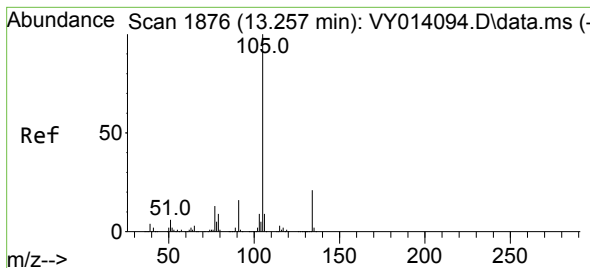
Tgt Ion:105 Resp: 675085

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6

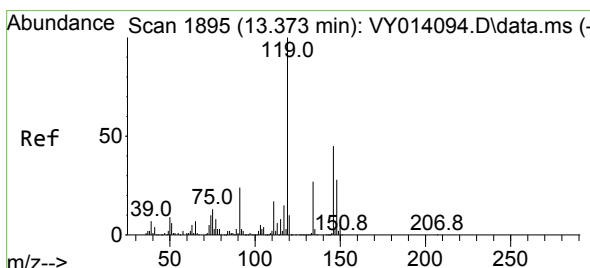
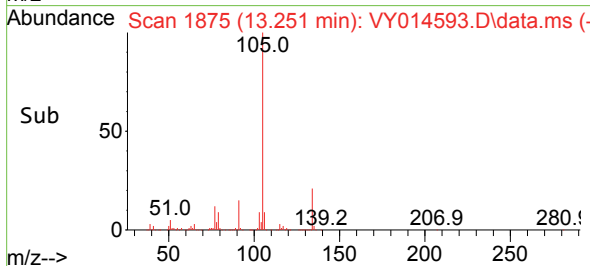
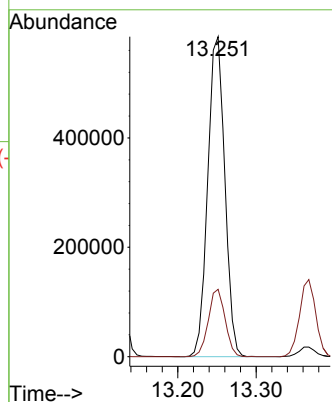
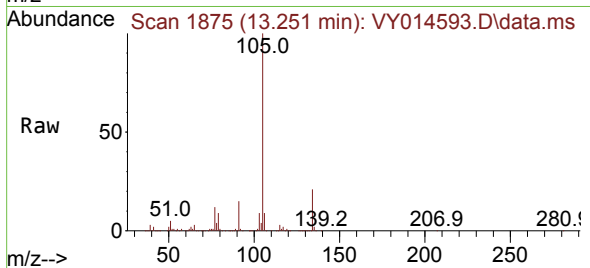




#85  
 sec-Butylbenzene  
 Concen: 49.415 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

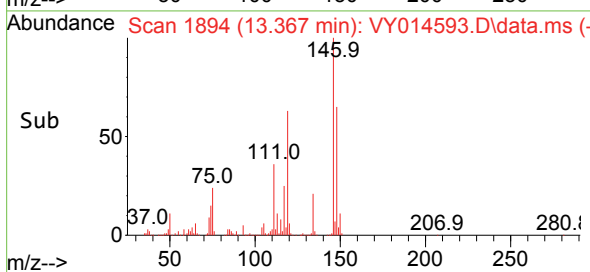
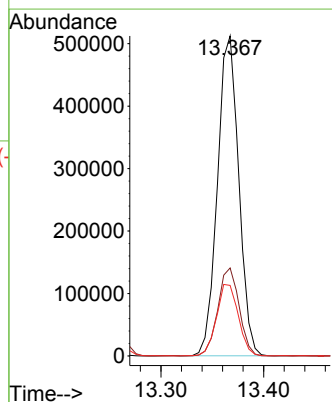
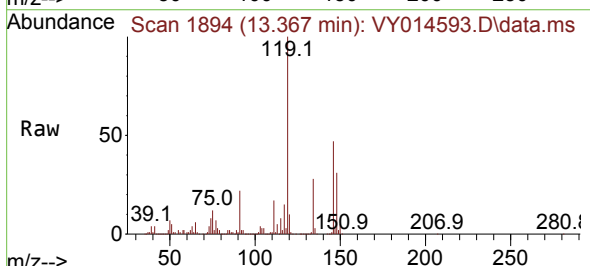
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

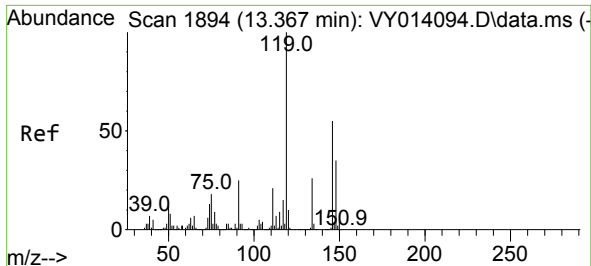
Tgt Ion:105 Resp: 883259  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 48.885 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

Tgt Ion:119 Resp: 735329  
 Ion Ratio Lower Upper  
 119 100  
 134 27.5 13.3 39.8  
 91 22.8 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 47.616 ug/l

RT: 13.361 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

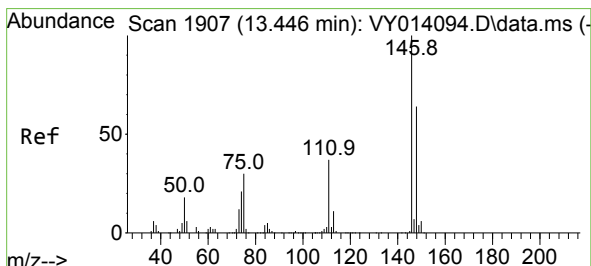
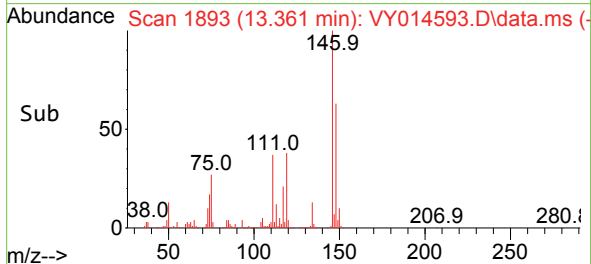
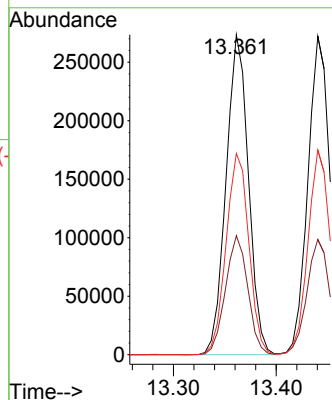
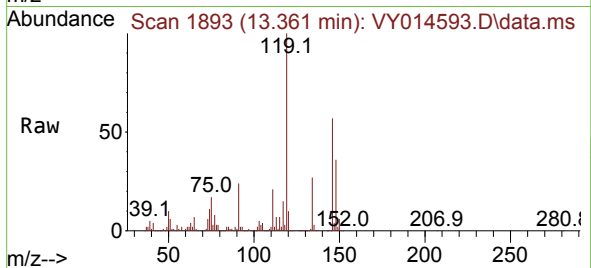
Tgt Ion:146 Resp: 413986

Ion Ratio Lower Upper

146 100

111 37.1 19.4 58.2

148 63.9 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 46.967 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

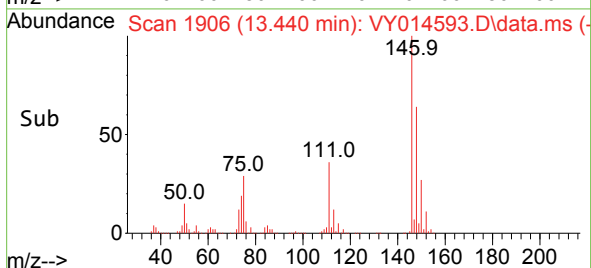
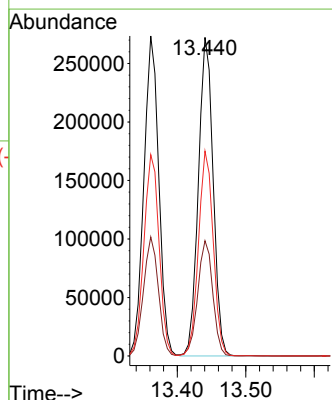
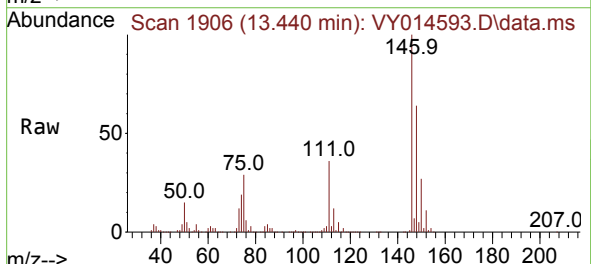
Tgt Ion:146 Resp: 409233

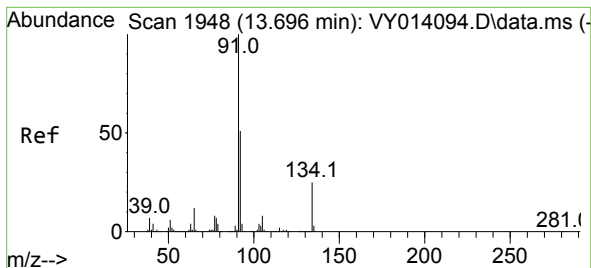
Ion Ratio Lower Upper

146 100

111 36.8 18.9 56.7

148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 49.777 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

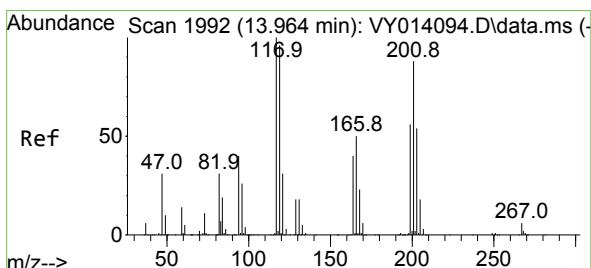
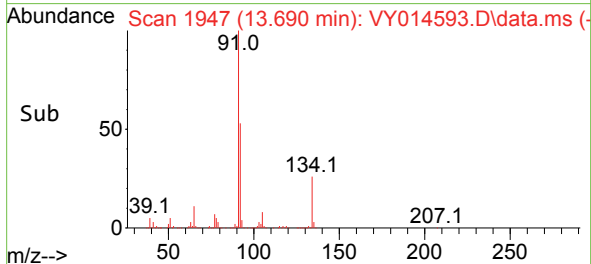
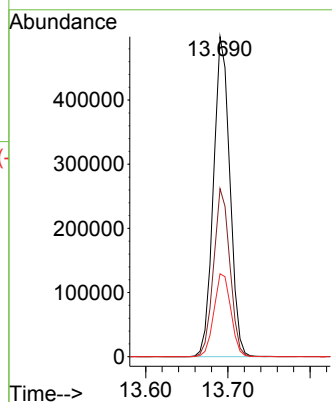
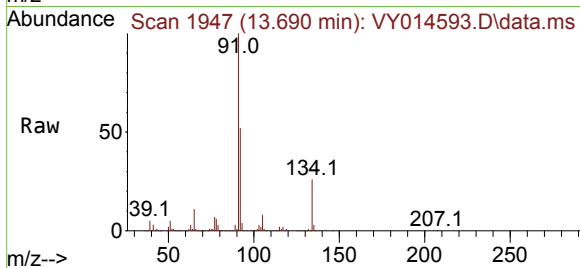
Tgt Ion: 91 Resp: 691958

Ion Ratio Lower Upper

91 100

92 52.0 25.4 76.0

134 26.7 12.6 37.6



#90

Hexachloroethane

Concen: 49.598 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.005 min

Lab File: VY014593.D

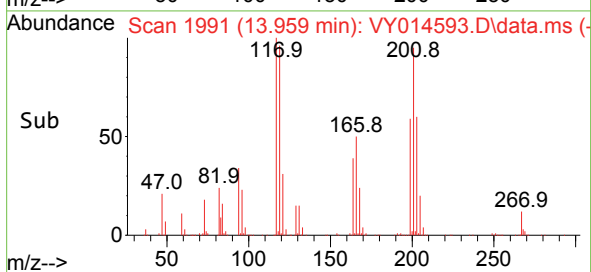
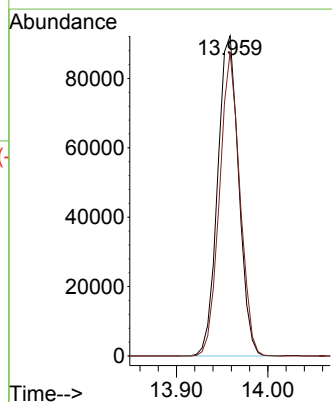
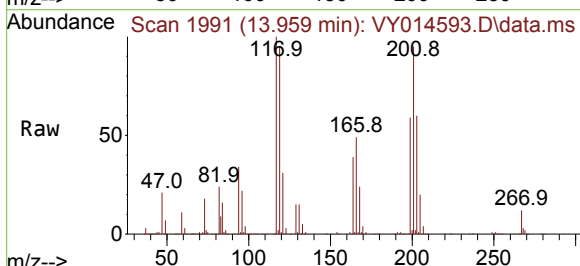
Acq: 06 Jul 2023 17:07

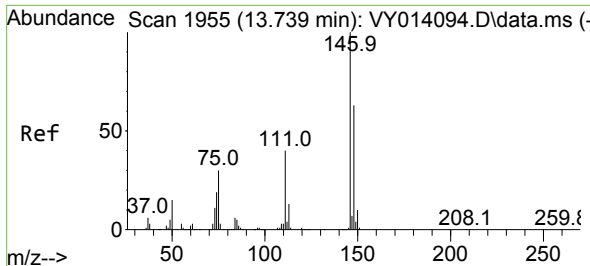
Tgt Ion: 117 Resp: 147782

Ion Ratio Lower Upper

117 100

201 91.4 41.6 124.8

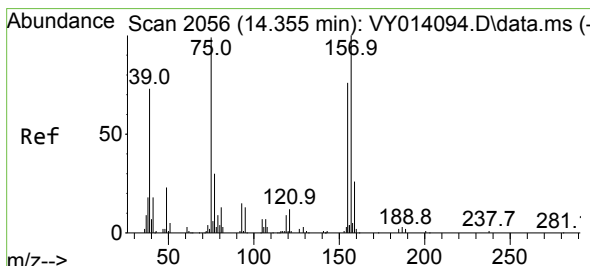
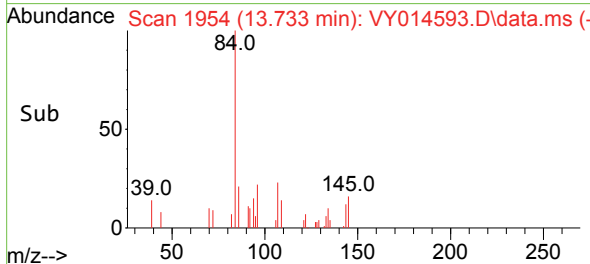
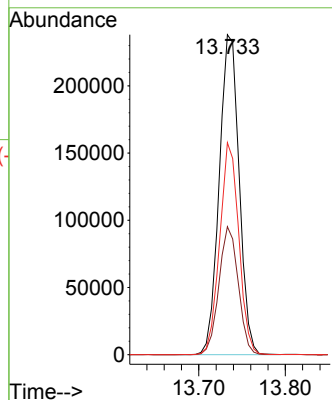
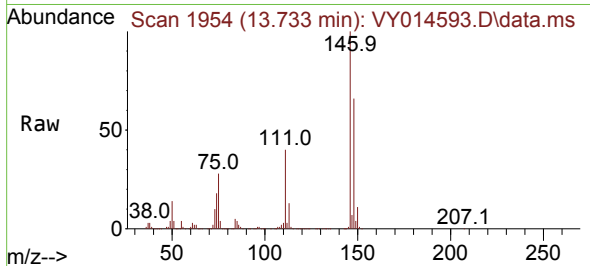




#91  
 1,2-Dichlorobenzene  
 Concen: 48.276 ug/l  
 RT: 13.733 min Scan# 1954  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

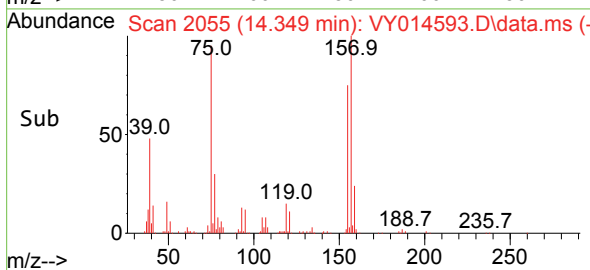
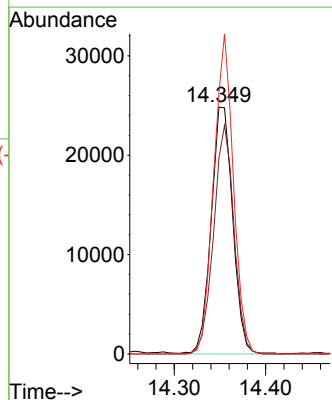
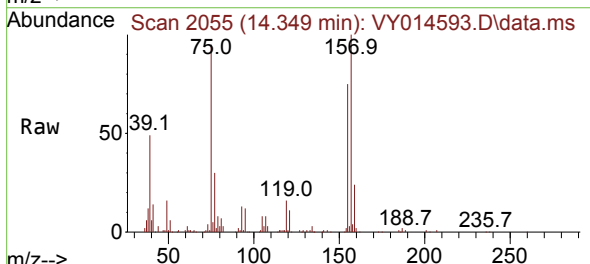
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

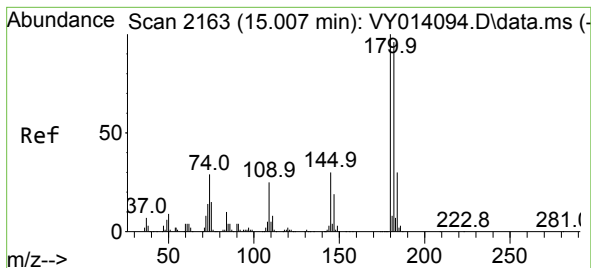
Tgt Ion:146 Resp: 380188  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 19.7 59.0  
 148 63.7 32.0 96.2



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.147 ug/l  
 RT: 14.349 min Scan# 2055  
 Delta R.T. -0.006 min  
 Lab File: VY014593.D  
 Acq: 06 Jul 2023 17:07

Tgt Ion: 75 Resp: 40652  
 Ion Ratio Lower Upper  
 75 100  
 155 87.5 41.5 124.6  
 157 118.2 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 49.104 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

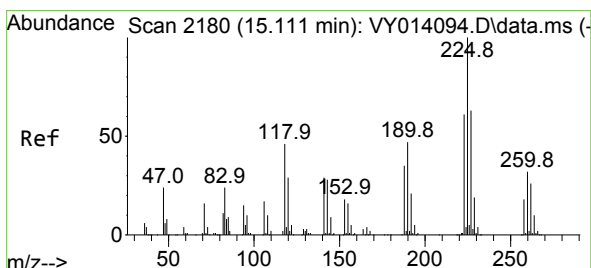
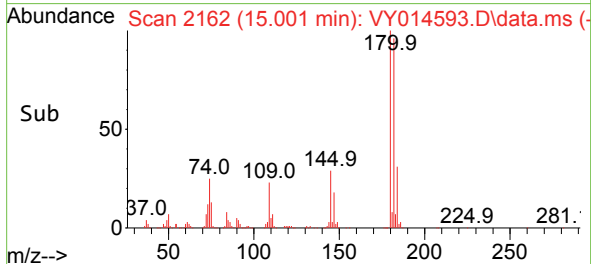
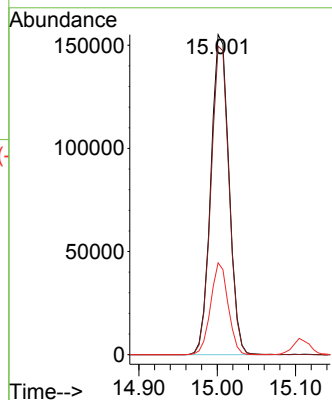
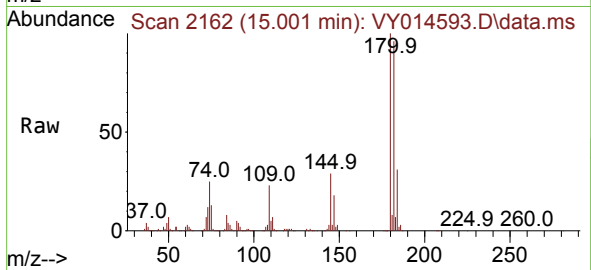
Tgt Ion:180 Resp: 249771

Ion Ratio Lower Upper

180 100

182 96.2 47.0 141.2

145 27.6 14.5 43.5



#94

Hexachlorobutadiene

Concen: 49.855 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014593.D

Acq: 06 Jul 2023 17:07

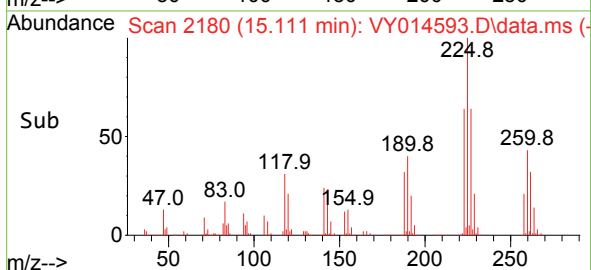
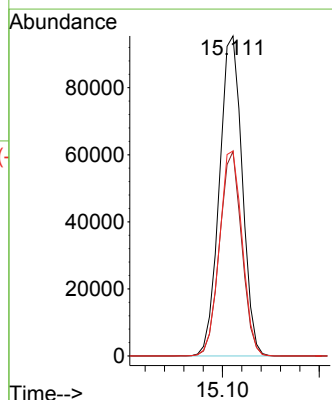
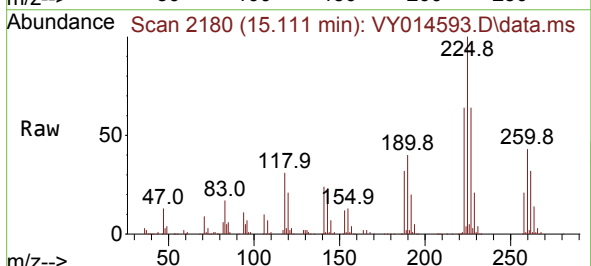
Tgt Ion:225 Resp: 155859

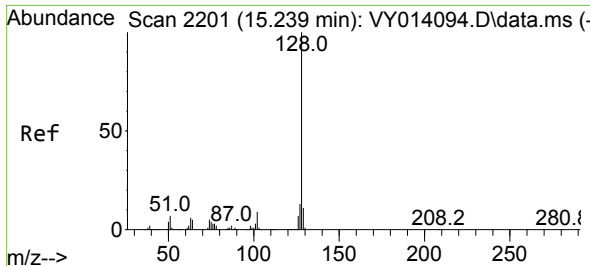
Ion Ratio Lower Upper

225 100

223 61.9 31.9 95.9

227 64.1 33.0 98.9

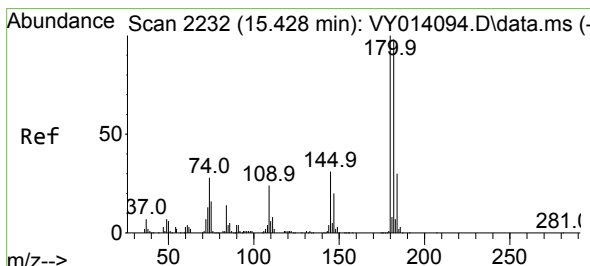
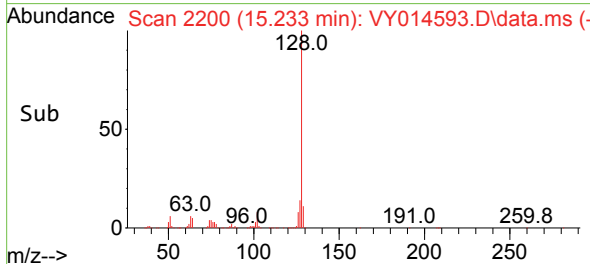
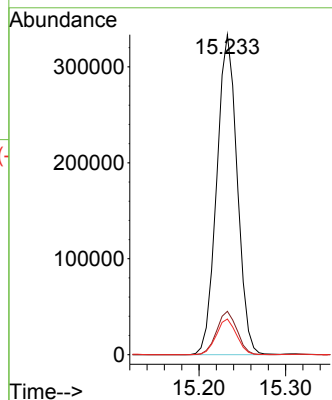
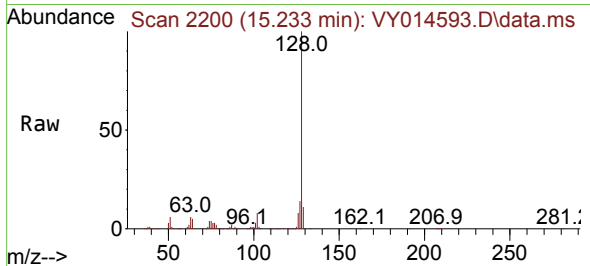




#95  
Naphthalene  
Concen: 50.559 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 547152  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.8 16.2  
129 11.1 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 50.366 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: VY014593.D  
Acq: 06 Jul 2023 17:07

Tgt Ion:180 Resp: 233430  
Ion Ratio Lower Upper  
180 100  
182 94.8 47.3 141.8  
145 29.2 15.4 46.2

