

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020823\  
 Data File : VY012531.D  
 Acq On : 08 Feb 2023 10:09  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 09 07:11:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 141571   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 206400   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 190365   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 101768   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 90772    | 50.422   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.840% |          |
| 35) Dibromofluoromethane     | 7.716  | 113   | 78482    | 52.212   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 104.420% |          |
| 50) Toluene-d8               | 10.179 | 98    | 319861   | 51.125   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 102.240% |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 111538   | 51.111   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 102.220% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 46118    | 45.809   | ug/l       | 98       |
| 3) Chloromethane             | 2.119  | 50    | 47624    | 43.175   | ug/l       | 100      |
| 4) Vinyl Chloride            | 2.253  | 62    | 60175    | 43.788   | ug/l       | 99       |
| 5) Bromomethane              | 2.656  | 94    | 51037    | 50.928   | ug/l       | 100      |
| 6) Chloroethane              | 2.796  | 64    | 44938    | 46.980   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 131716   | 46.631   | ug/l       | 95       |
| 8) Diethyl Ether             | 3.534  | 74    | 41519    | 49.571   | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906  | 101   | 68801    | 48.235   | ug/l       | 99       |
| 10) Methyl Iodide            | 4.095  | 142   | 88479    | 47.849   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 4.954  | 59    | 39084    | 223.911  | ug/l       | 97       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 66415    | 47.124   | ug/l       | 96       |
| 13) Acrolein                 | 3.729  | 56    | 51004    | 240.998  | ug/l       | 99       |
| 14) Allyl chloride           | 4.485  | 41    | 82052    | 47.749   | ug/l       | 100      |
| 15) Acrylonitrile            | 5.161  | 53    | 100913   | 261.151  | ug/l       | 100      |
| 16) Acetone                  | 3.948  | 43    | 123811   | 285.745  | ug/l       | 96       |
| 17) Carbon Disulfide         | 4.198  | 76    | 162779   | 44.529   | ug/l       | 98       |
| 18) Methyl Acetate           | 4.479  | 43    | 50644    | 48.628   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 213265   | 51.712   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 77265    | 47.524   | ug/l       | 99       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 75290    | 48.983   | ug/l       | 99       |
| 22) Diisopropyl ether        | 6.119  | 45    | 176537   | 50.524   | ug/l       | 98       |
| 23) Vinyl Acetate            | 6.058  | 43    | 554963   | 263.464  | ug/l       | 96       |
| 24) 1,1-Dichloroethane       | 6.021  | 63    | 121360   | 48.586   | ug/l       | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 127744   | 265.723  | ug/l       | 97       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 134963   | 49.178   | ug/l       | 100      |
| 27) cis-1,2-Dichloroethene   | 6.990  | 96    | 88649    | 49.699   | ug/l       | 99       |
| 28) Bromochloromethane       | 7.332  | 49    | 48766    | 53.709   | ug/l       | 97       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 68118    | 262.096  | ug/l       | 97       |
| 30) Chloroform               | 7.509  | 83    | 147635   | 49.023   | ug/l       | 97       |
| 31) Cyclohexane              | 7.783  | 56    | 93281    | 44.816   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 145137   | 49.664   | ug/l       | 100      |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 98980    | 48.654   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.076  | 43    | 47771    | 52.041   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 136261   | 49.898   | ug/l       | 97       |
| 39) Methylcyclohexane        | 9.185  | 83    | 118899   | 48.571   | ug/l       | 99       |
| 40) Benzene                  | 8.161  | 78    | 298196   | 49.628   | ug/l       | 95       |

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 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 68937    | 137.076  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 101133   | 51.929   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 90349    | 53.085   | ug/l   | 100      |
| 44) Trichloroethene           | 8.941  | 130  | 92361    | 50.496   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 65154    | 50.008   | ug/l   | 100      |
| 46) Dibromomethane            | 9.307  | 93   | 43730    | 50.690   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.496  | 83   | 114730   | 51.291   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.295  | 41   | 41013    | 52.719   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 13157    | 1104.789 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 253265   | 275.808  | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 204489   | 50.186   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 116854   | 51.843   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 124076   | 50.868   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 66395    | 52.672   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 87680    | 55.363   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 106547   | 52.372   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 188634   | 264.993  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 197426   | 284.498  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.984 | 129  | 88395    | 52.606   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 61288    | 51.890   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.721 | 164  | 103617   | 52.137   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 227138   | 50.306   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 91034    | 51.450   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 401158   | 50.608   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 322411   | 101.899  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 152881   | 50.737   | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 263998   | 51.660   | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 59920    | 53.578   | ug/l   | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 418390   | 50.815   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 79678    | 53.459   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 69167    | 51.953   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 101973   | 89.687   | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 100740   | 50.480   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 477610   | 50.398   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 272427   | 50.639   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 361126   | 50.950   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 25826    | 51.222   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 282872   | 50.124   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 323261   | 52.009   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 358782   | 51.445   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.258 | 105  | 453265   | 50.975   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 394213   | 51.104   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 201092   | 50.644   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 199804   | 50.235   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 337548   | 51.200   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.965 | 117  | 71021    | 50.160   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 181270   | 50.747   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 14016    | 52.903   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 114074   | 51.541   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 68192    | 49.596   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 231714   | 54.536   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 99021    | 51.686   | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

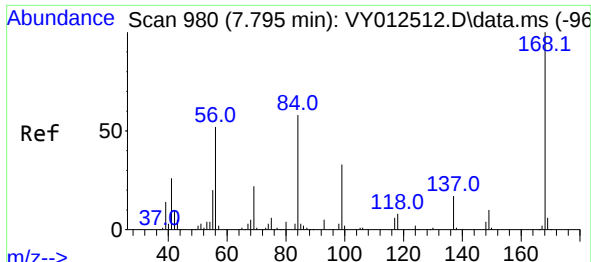
Quant Time: Feb 09 07:11:54 2023  
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Quant Title : SW846 8260  
QLast Update : Wed Feb 08 01:09:03 2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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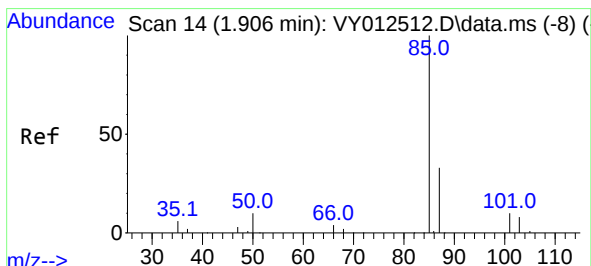
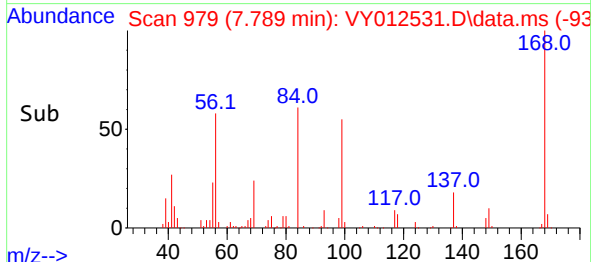
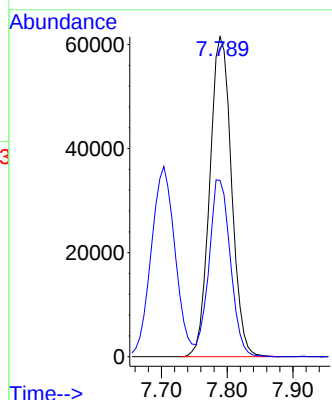
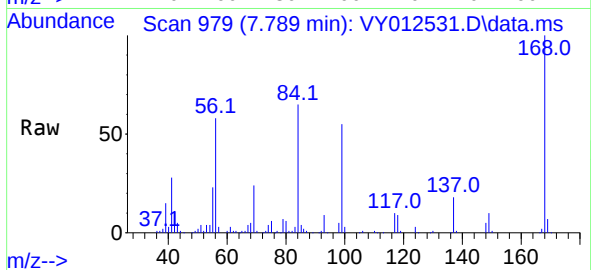




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

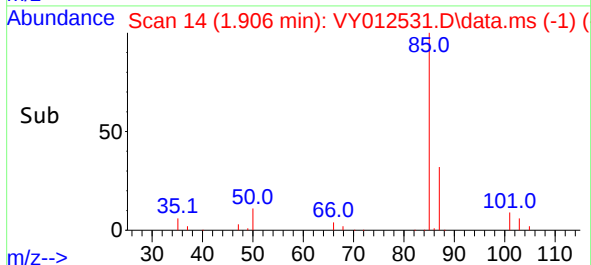
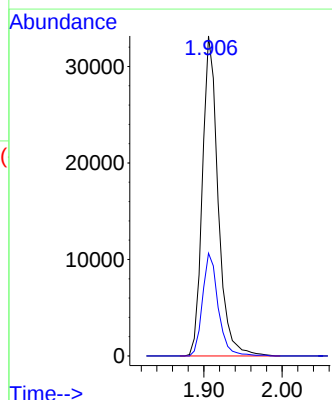
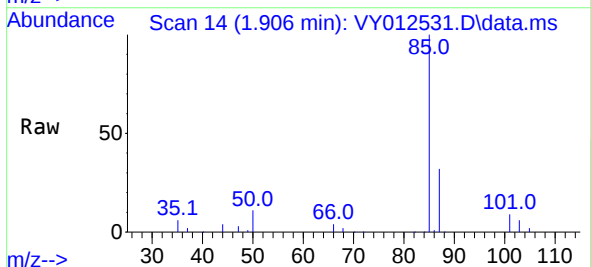
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

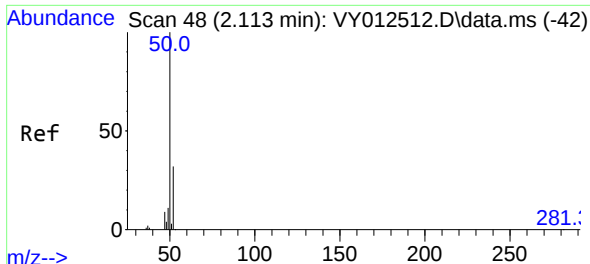
Tgt Ion:168 Resp: 141571  
Ion Ratio Lower Upper  
168 100  
99 55.1 40.8 61.2



#2  
Dichlorodifluoromethane  
Concen: 45.809 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 85 Resp: 46118  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.6 49.8

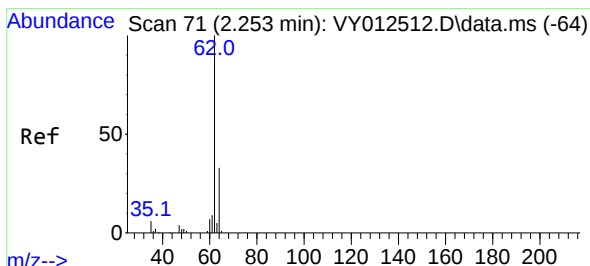
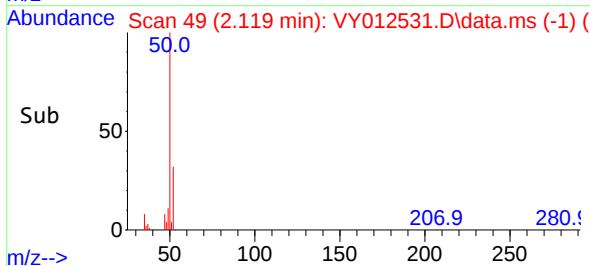
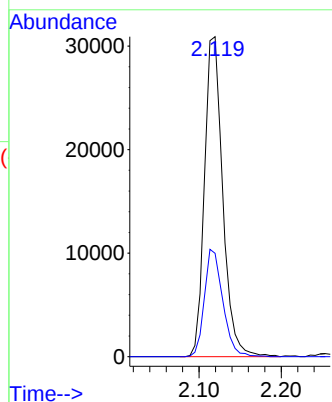
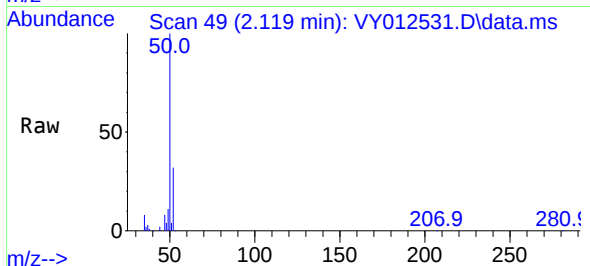




#3  
Chloromethane  
Concen: 43.175 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

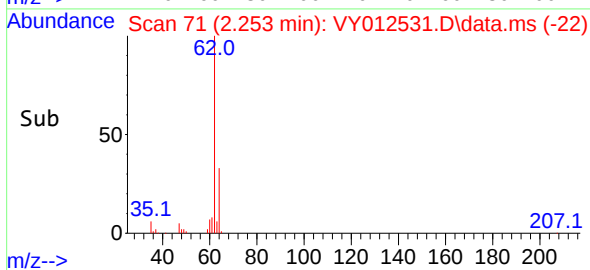
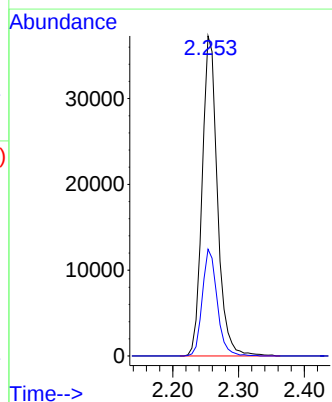
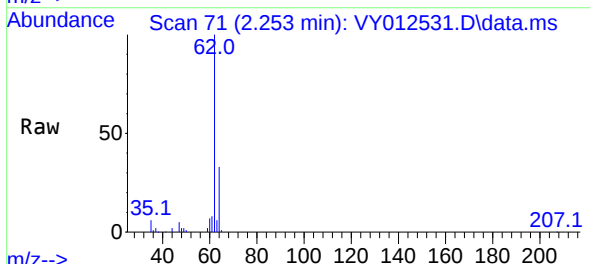
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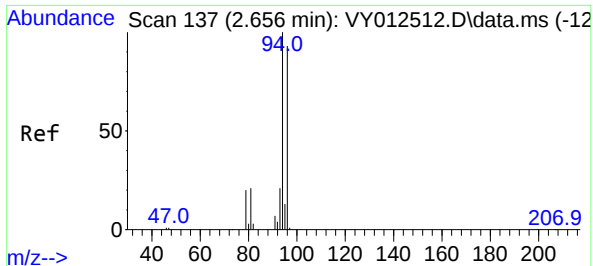
Tgt Ion: 50 Resp: 47624  
Ion Ratio Lower Upper  
50 100  
52 32.3 25.8 38.6



#4  
Vinyl Chloride  
Concen: 43.788 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 62 Resp: 60175  
Ion Ratio Lower Upper  
62 100  
64 33.4 26.1 39.1

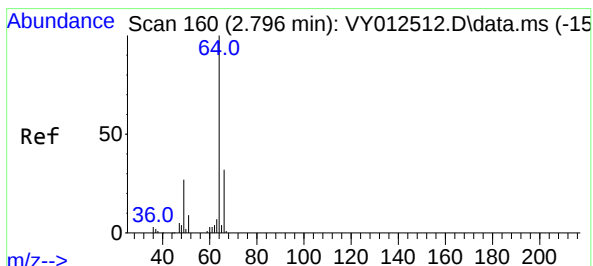
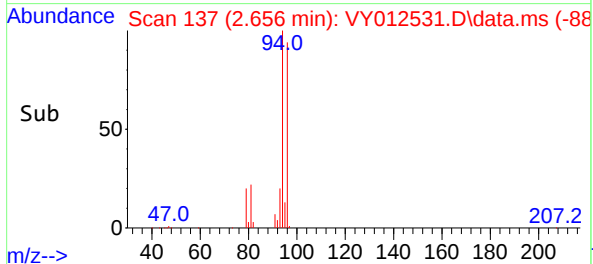
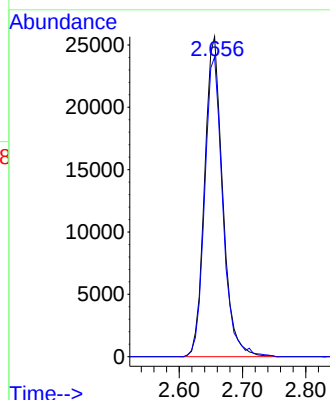
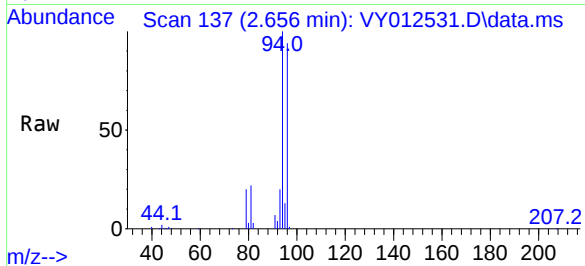




#5  
Bromomethane  
Concen: 50.928 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

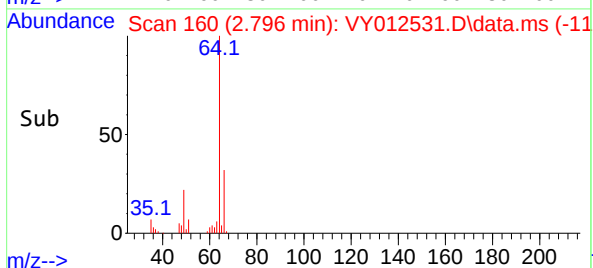
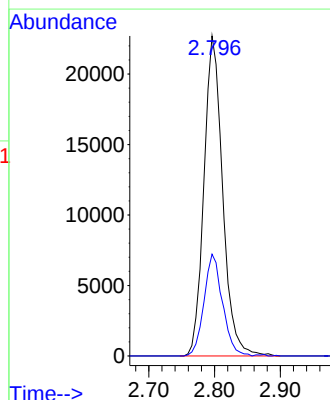
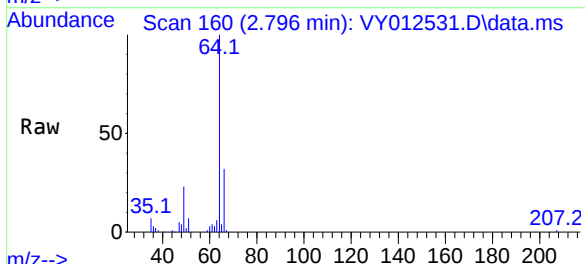
Instrument :  
MSVOA\_Y  
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VSTDCCC050

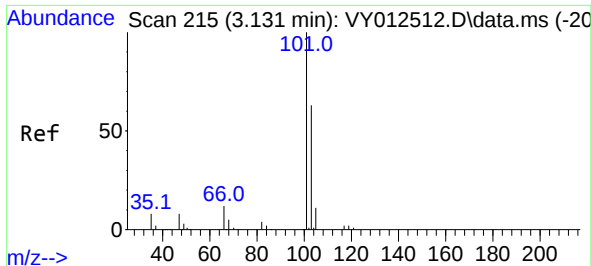
Tgt Ion: 94 Resp: 51037  
Ion Ratio Lower Upper  
94 100  
96 93.7 74.7 112.1



#6  
Chloroethane  
Concen: 46.980 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 64 Resp: 44938  
Ion Ratio Lower Upper  
64 100  
66 31.8 25.7 38.5

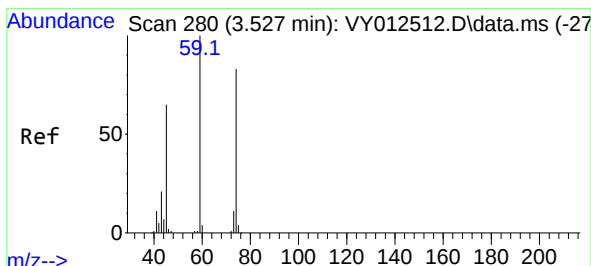
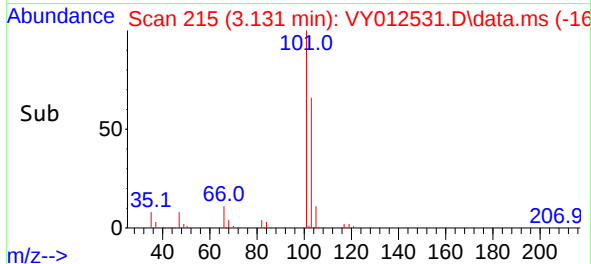
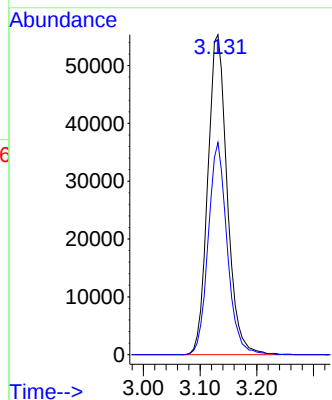
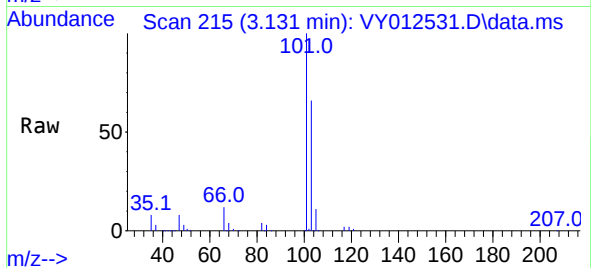




#7  
Trichlorofluoromethane  
Concen: 46.631 ug/l  
RT: 3.131 min Scan# 215  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

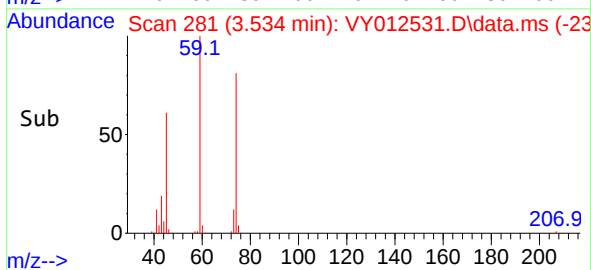
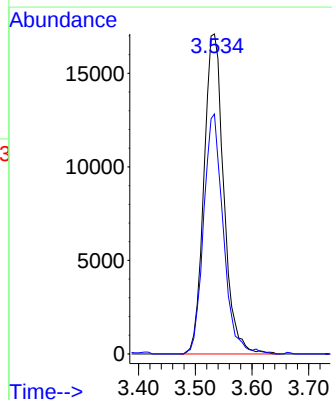
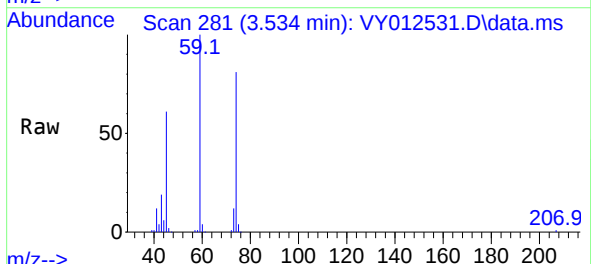
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

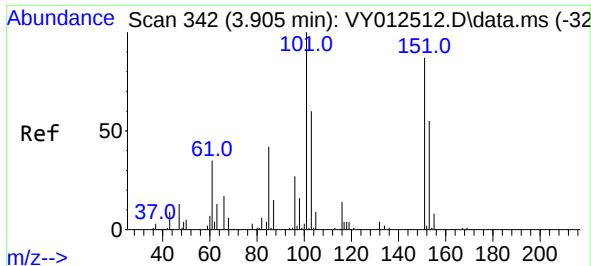
Tgt Ion:101 Resp: 131716  
Ion Ratio Lower Upper  
101 100  
103 66.3 50.1 75.1



#8  
Diethyl Ether  
Concen: 49.571 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.007 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 74 Resp: 41519  
Ion Ratio Lower Upper  
74 100  
45 74.4 37.8 113.4

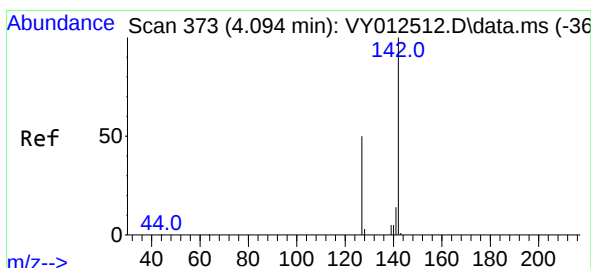
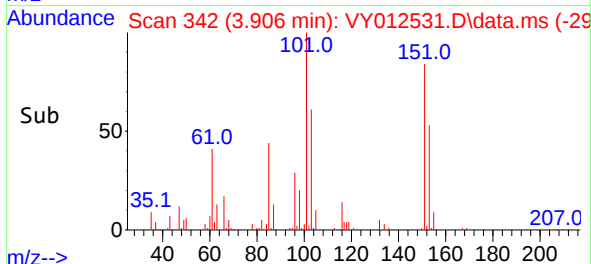
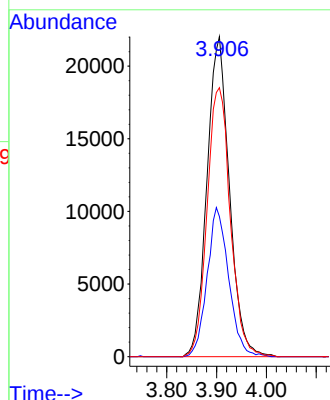
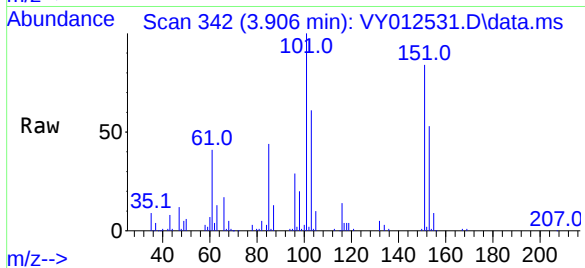




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.235 ug/l  
RT: 3.906 min Scan# 34  
Delta R.T. 0.001 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

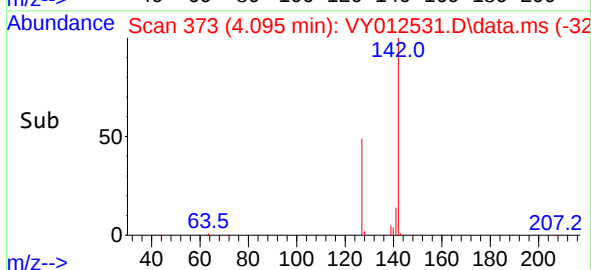
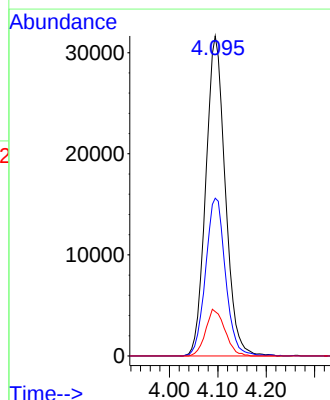
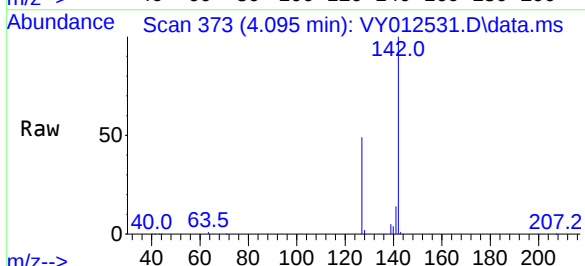
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

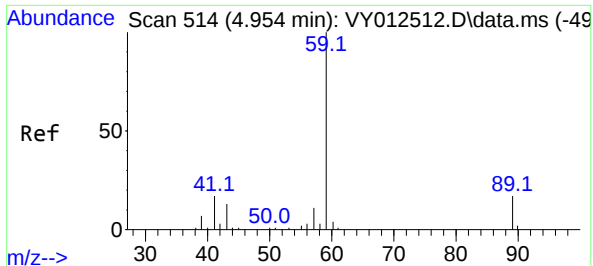
Tgt Ion:101 Resp: 68801  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.1 54.1  
151 87.2 70.7 106.1



#10  
Methyl Iodide  
Concen: 47.849 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.001 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:142 Resp: 88479  
Ion Ratio Lower Upper  
142 100  
127 50.3 39.8 59.6  
141 14.5 11.6 17.4

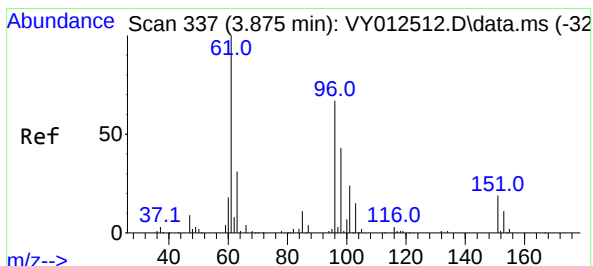
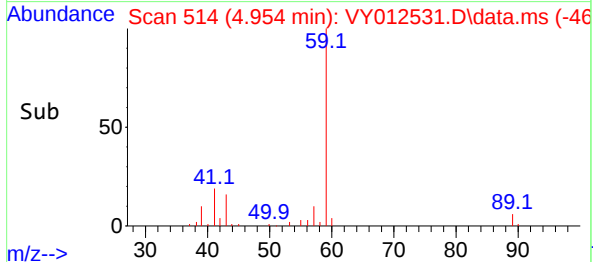
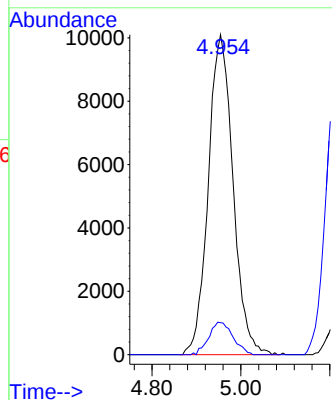
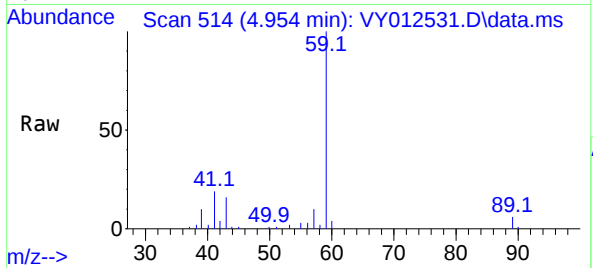




#11  
Tert butyl alcohol  
Concen: 223.911 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

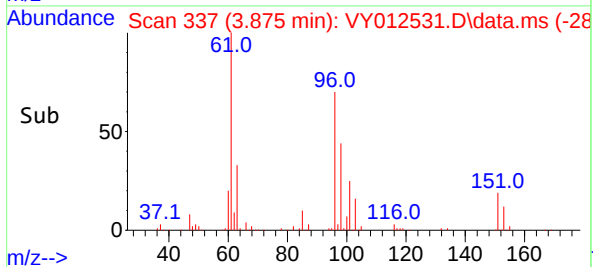
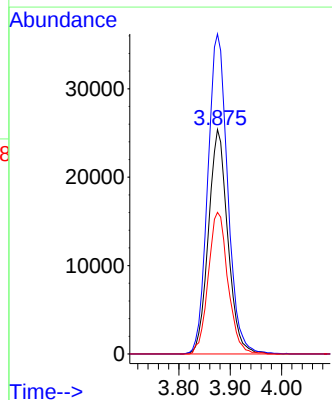
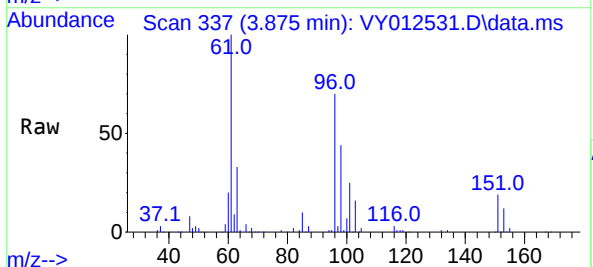
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

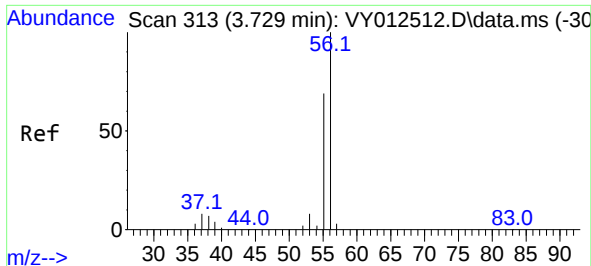
Tgt Ion: 59 Resp: 39084  
Ion Ratio Lower Upper  
59 100  
57 9.9 7.2 10.8



#12  
1,1-Dichloroethene  
Concen: 47.124 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 96 Resp: 66415  
Ion Ratio Lower Upper  
96 100  
61 142.6 119.4 179.2  
98 63.1 51.9 77.9

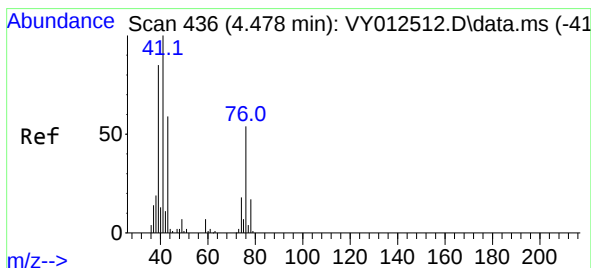
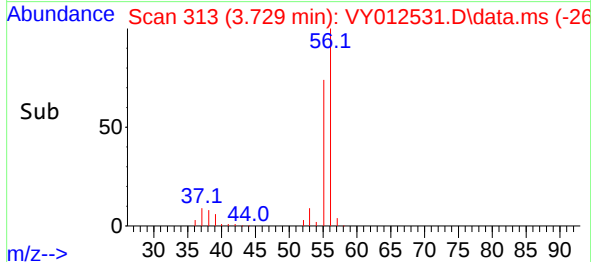
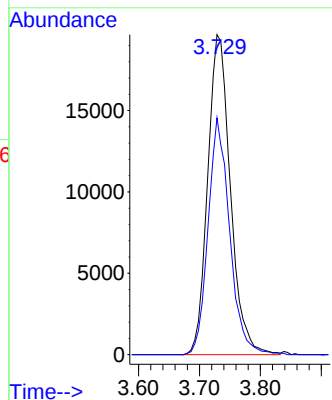
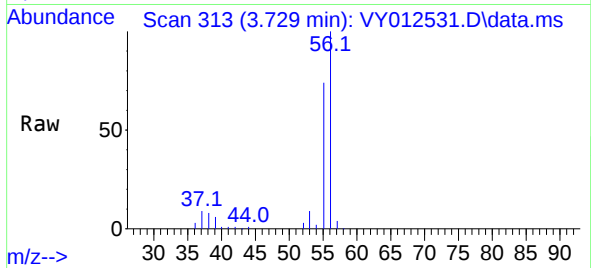




#13  
Acrolein  
Concen: 240.998 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

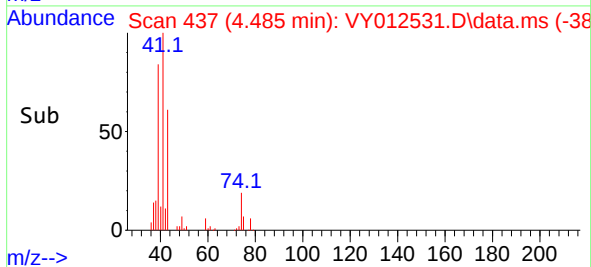
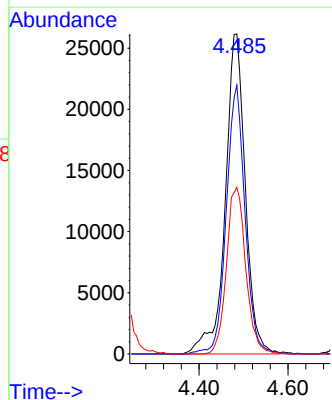
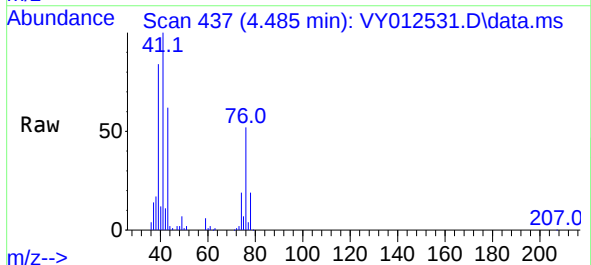
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

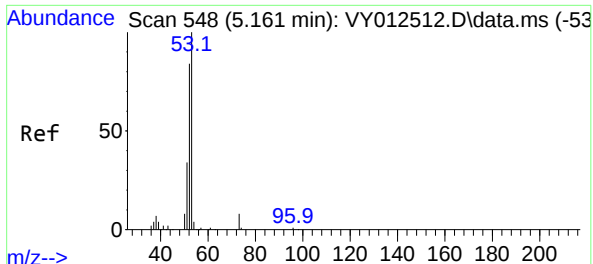
Tgt Ion: 56 Resp: 51004  
Ion Ratio Lower Upper  
56 100  
55 70.3 57.0 85.4



#14  
Allyl chloride  
Concen: 47.749 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 41 Resp: 82052  
Ion Ratio Lower Upper  
41 100  
39 78.1 62.6 94.0  
76 50.1 39.6 59.4





#15

Acrylonitrile

Concen: 261.151 ug/l

RT: 5.161 min Scan# 548

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

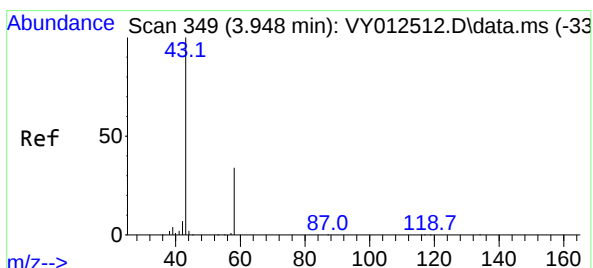
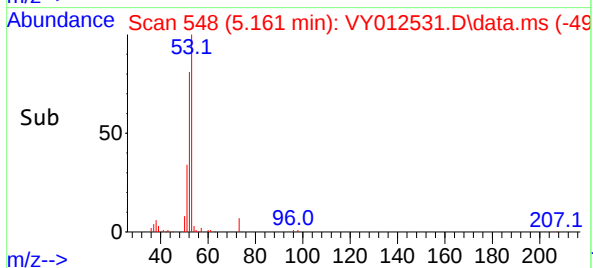
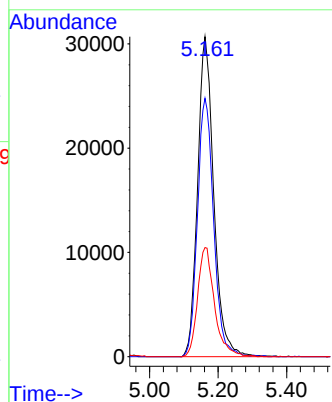
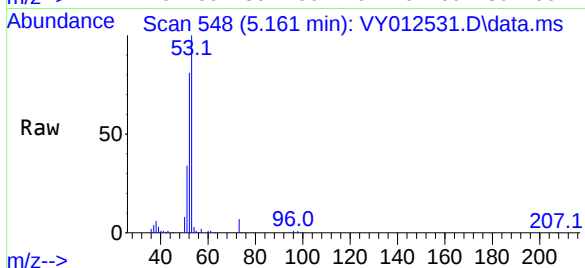
Tgt Ion: 53 Resp: 100913

Ion Ratio Lower Upper

53 100

52 80.9 65.0 97.4

51 35.7 28.7 43.1



#16

Acetone

Concen: 285.745 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012531.D

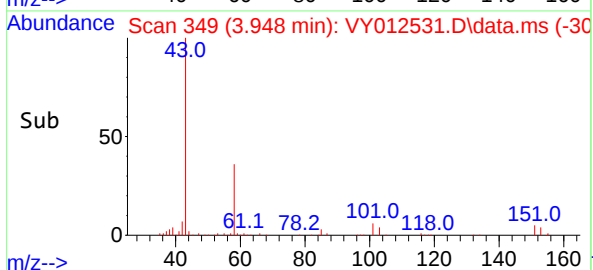
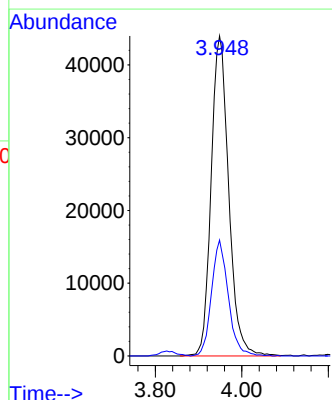
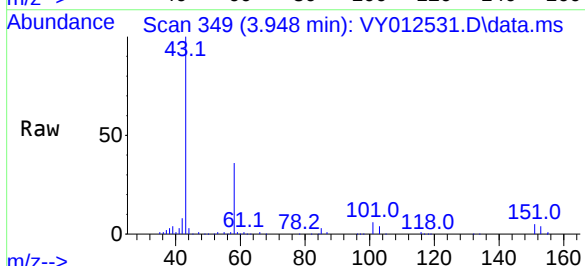
Acq: 08 Feb 2023 10:09

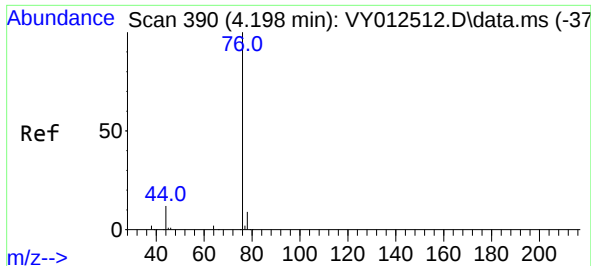
Tgt Ion: 43 Resp: 123811

Ion Ratio Lower Upper

43 100

58 36.2 27.1 40.7

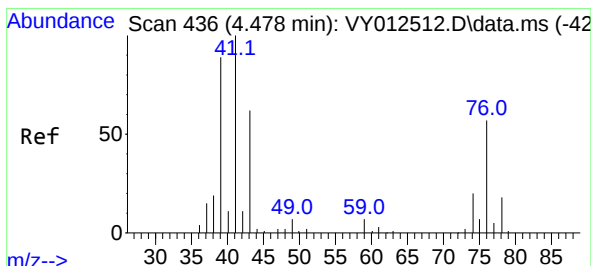
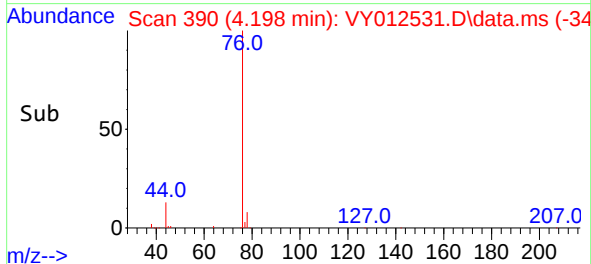
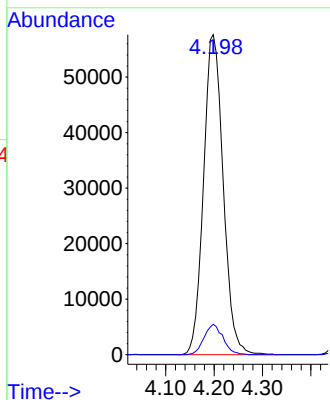
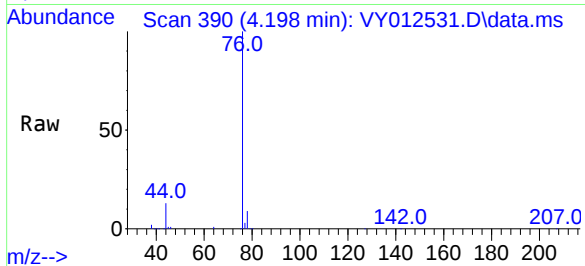




#17  
Carbon Disulfide  
Concen: 44.529 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

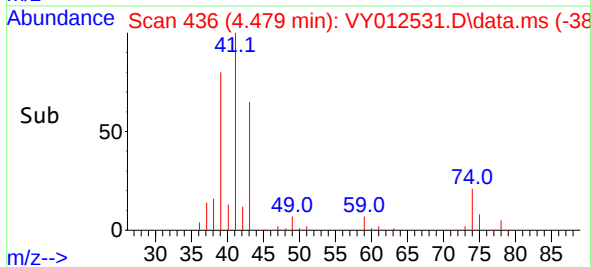
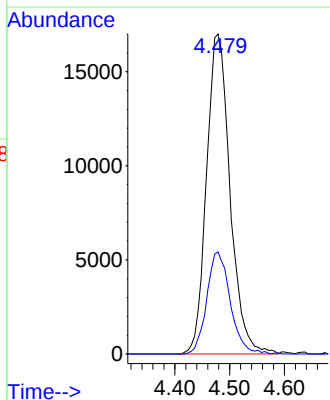
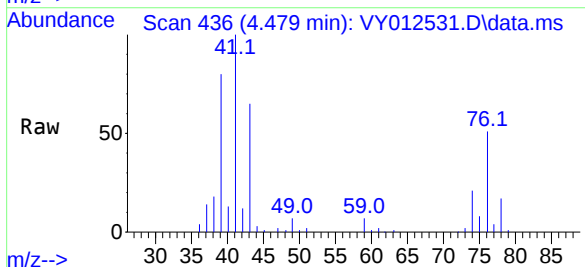
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

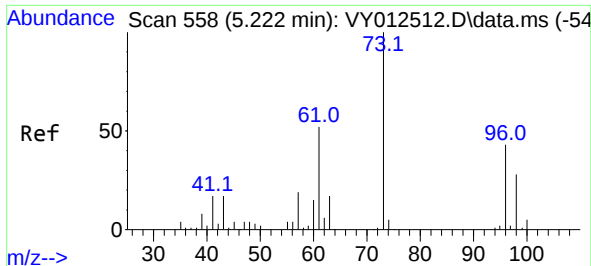
Tgt Ion: 76 Resp: 162779  
Ion Ratio Lower Upper  
76 100  
78 9.5 6.9 10.3



#18  
Methyl Acetate  
Concen: 48.628 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 43 Resp: 50644  
Ion Ratio Lower Upper  
43 100  
74 31.7 25.6 38.4

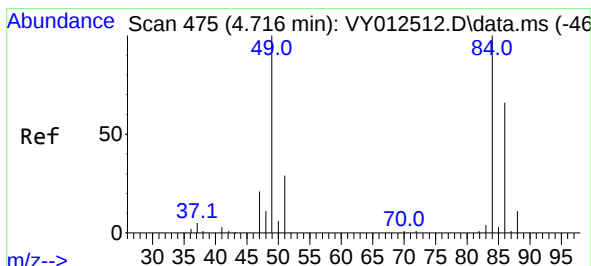
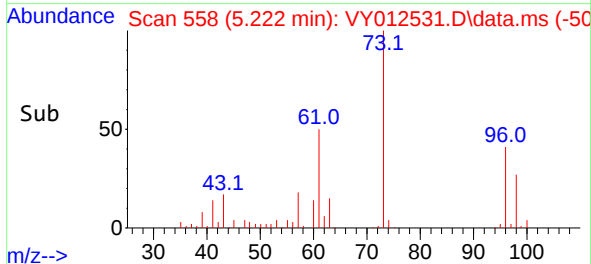
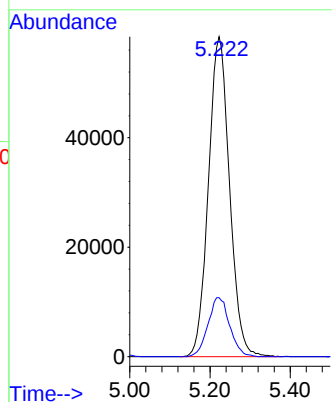
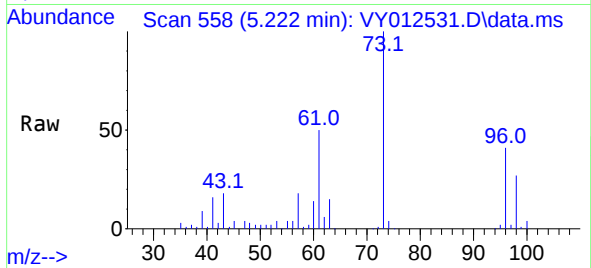




#19  
Methyl tert-butyl Ether  
Concen: 51.712 ug/l  
RT: 5.222 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

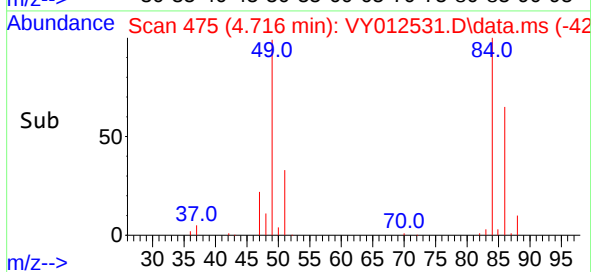
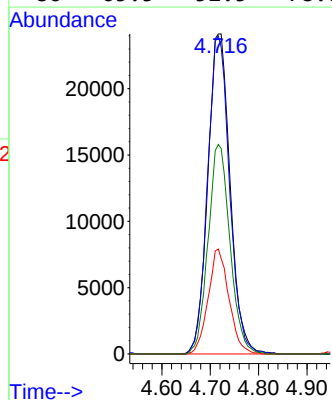
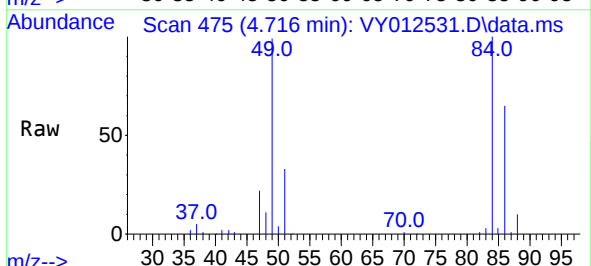
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

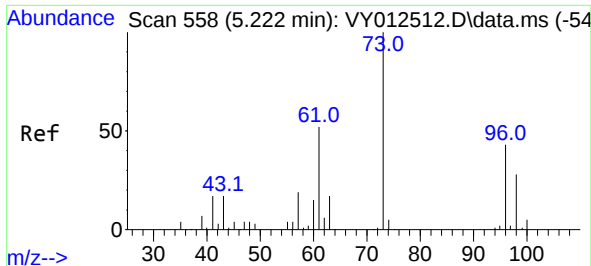
Tgt Ion: 73 Resp: 213265  
Ion Ratio Lower Upper  
73 100  
57 18.4 15.3 22.9



#20  
Methylene Chloride  
Concen: 47.524 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 84 Resp: 77265  
Ion Ratio Lower Upper  
84 100  
49 99.4 79.8 119.6  
51 32.8 23.4 35.2  
86 65.5 52.5 78.7

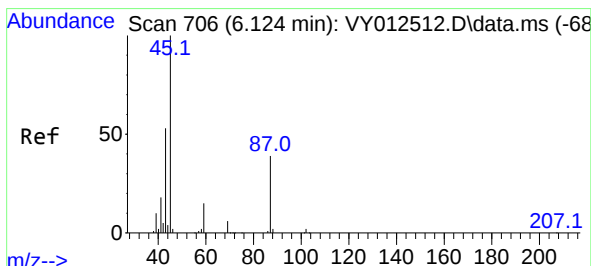
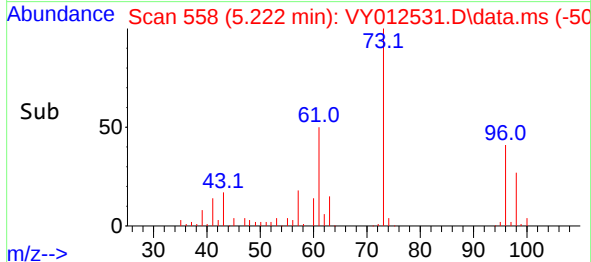
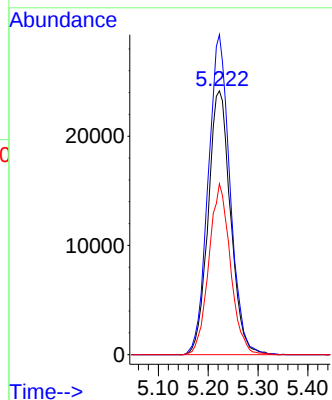
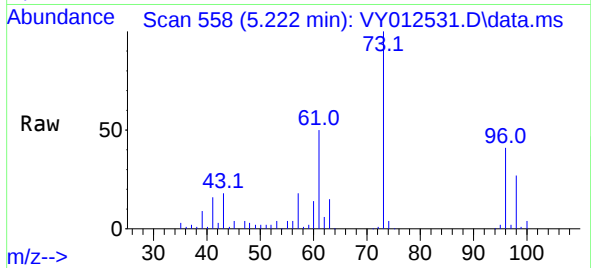




#21  
trans-1,2-Dichloroethene  
Concen: 48.983 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

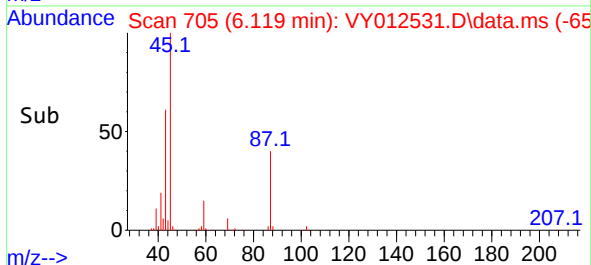
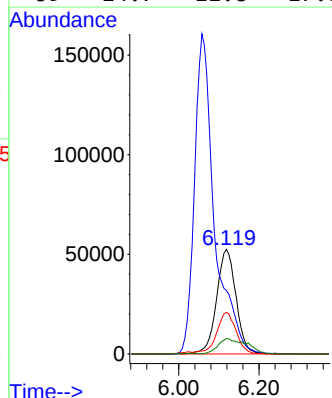
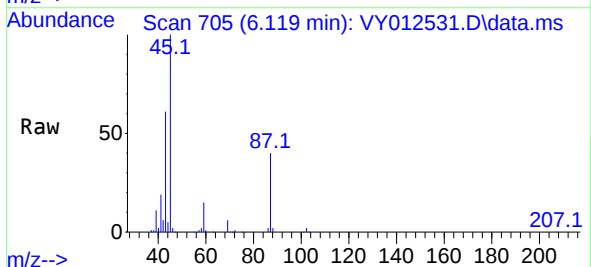
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

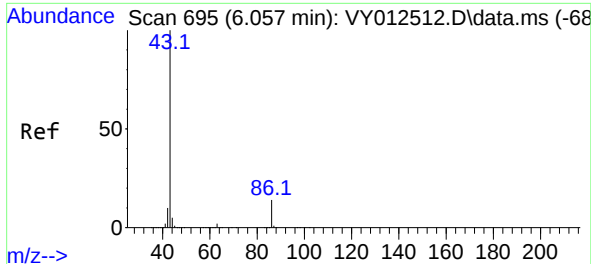
Tgt Ion: 96 Resp: 75290  
Ion Ratio Lower Upper  
96 100  
61 121.3 96.2 144.4  
98 64.7 51.6 77.4



#22  
Diisopropyl ether  
Concen: 50.524 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 45 Resp: 176537  
Ion Ratio Lower Upper  
45 100  
43 60.3 45.9 68.9  
87 39.8 32.2 48.4  
59 14.7 11.8 17.8





#23

Vinyl Acetate

Concen: 263.464 ug/l

RT: 6.058 min Scan# 695

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

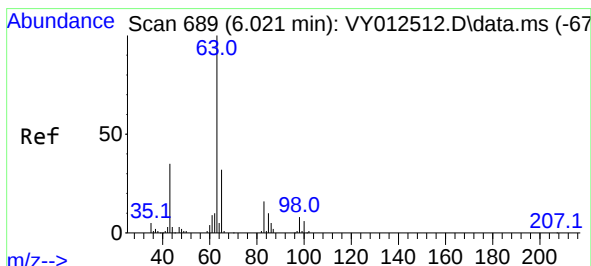
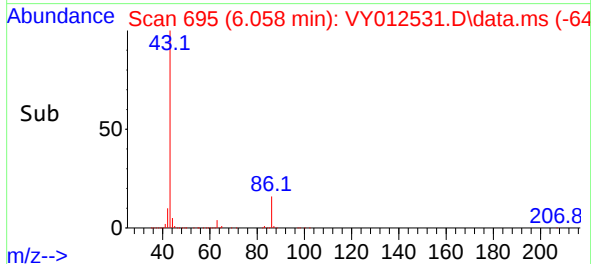
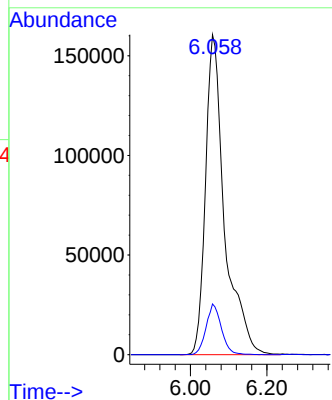
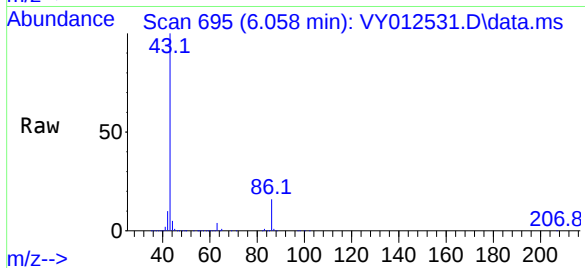
VSTDCCC050

Tgt Ion: 43 Resp: 554963

Ion Ratio Lower Upper

43 100

86 15.9 11.5 17.3



#24

1,1-Dichloroethane

Concen: 48.586 ug/l

RT: 6.021 min Scan# 689

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

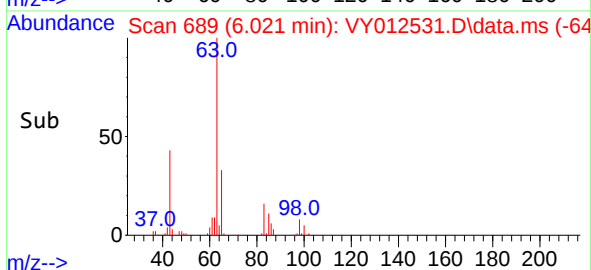
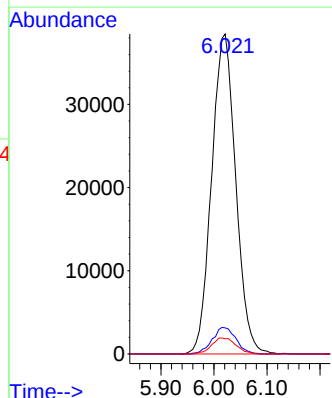
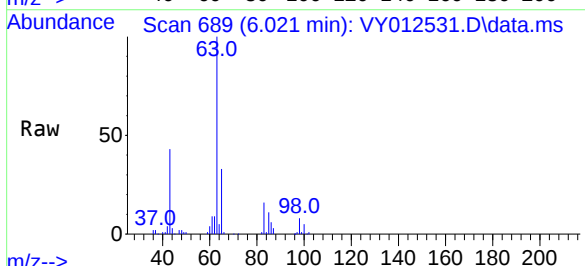
Tgt Ion: 63 Resp: 121360

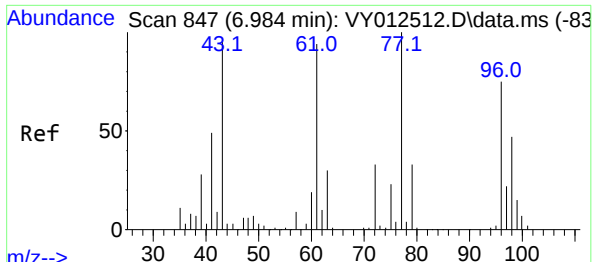
Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 4.8 2.9 8.8

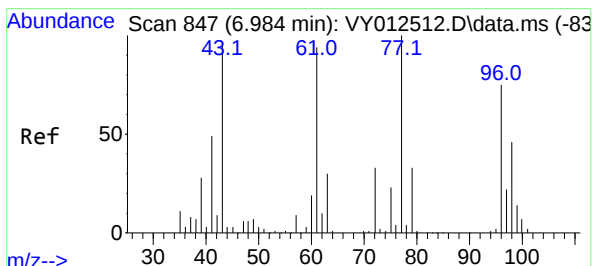
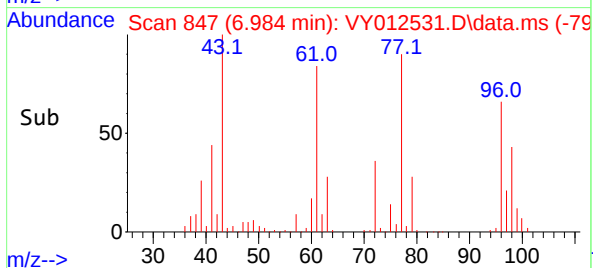
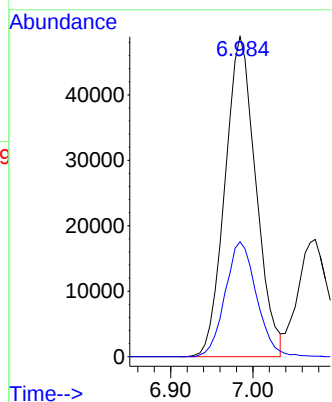
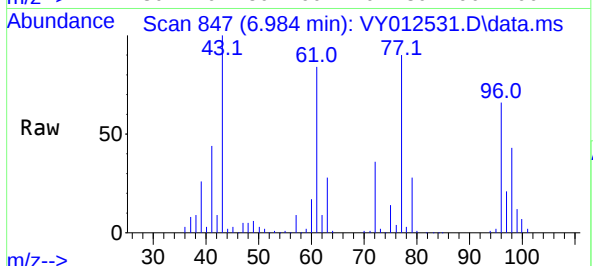




#25  
2-Butanone  
Concen: 265.723 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

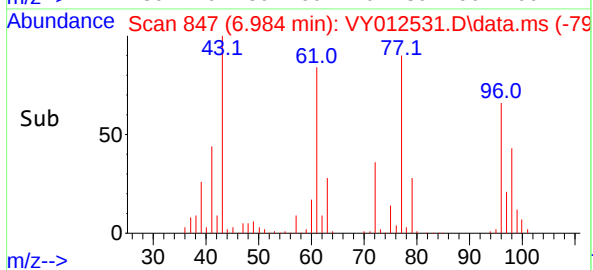
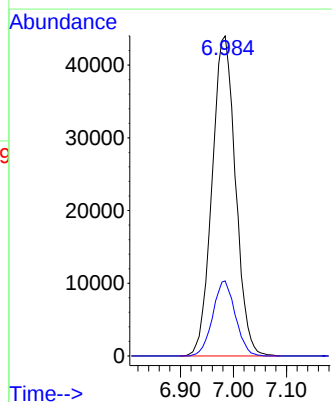
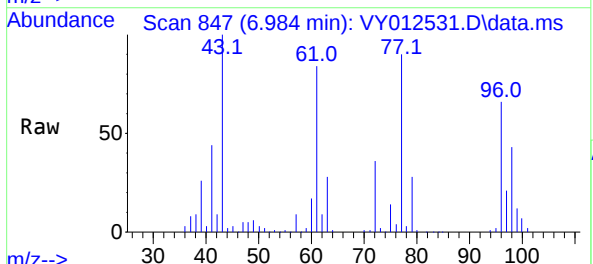
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

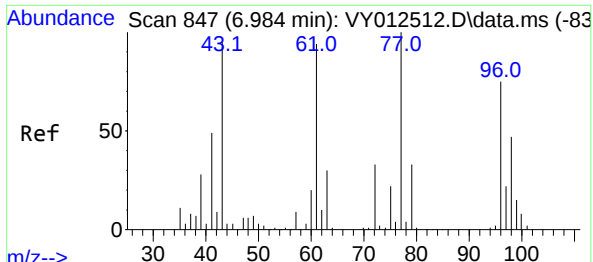
Tgt Ion: 43 Resp: 127744  
Ion Ratio Lower Upper  
43 100  
72 35.9 27.4 41.2



#26  
2,2-Dichloropropane  
Concen: 49.178 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 77 Resp: 134963  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.4 34.1

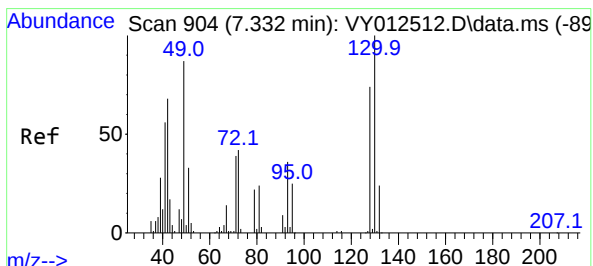
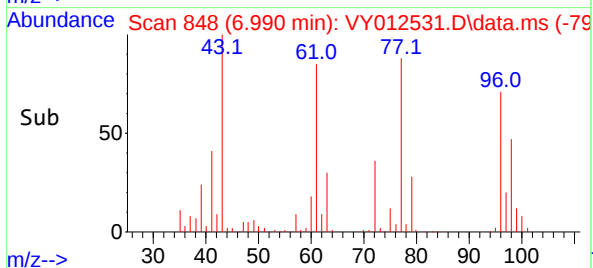
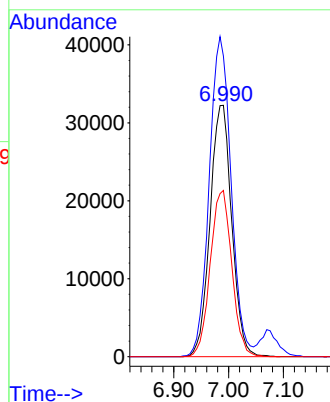
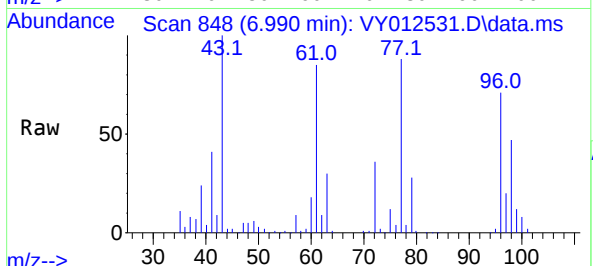




#27  
cis-1,2-Dichloroethene  
Concen: 49.699 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

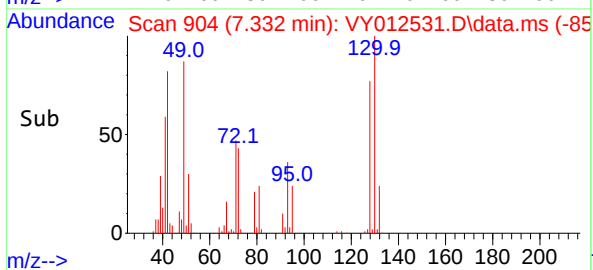
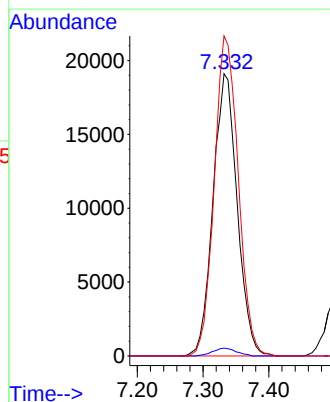
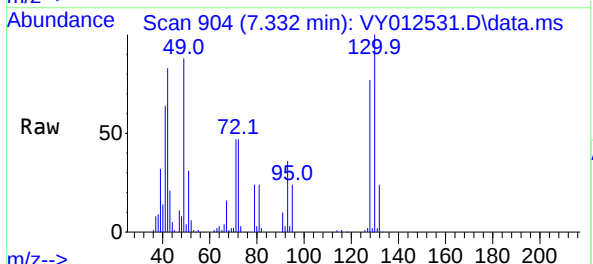
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

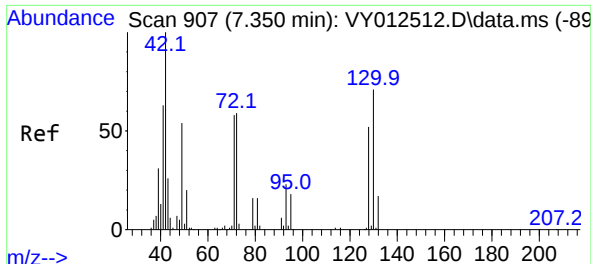
Tgt Ion: 96 Resp: 88649  
Ion Ratio Lower Upper  
96 100  
61 128.2 0.0 259.2  
98 65.6 0.0 129.0



#28  
Bromochloromethane  
Concen: 53.709 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 49 Resp: 48766  
Ion Ratio Lower Upper  
49 100  
129 2.7 0.0 6.0  
130 112.8 93.1 139.7

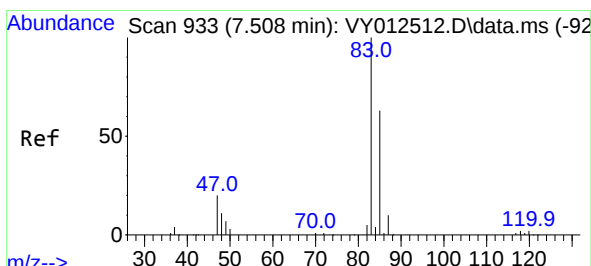
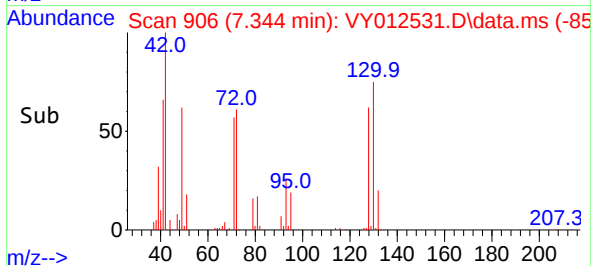
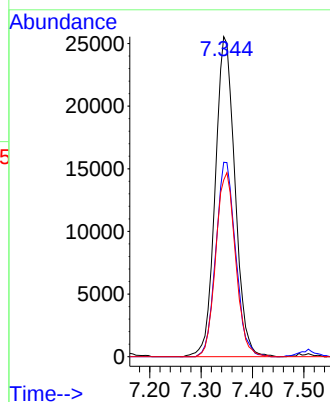
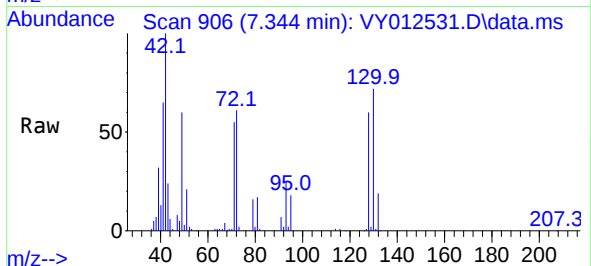




#29  
Tetrahydrofuran  
Concen: 262.096 ug/l  
RT: 7.344 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

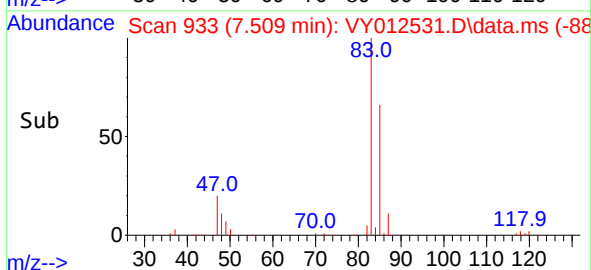
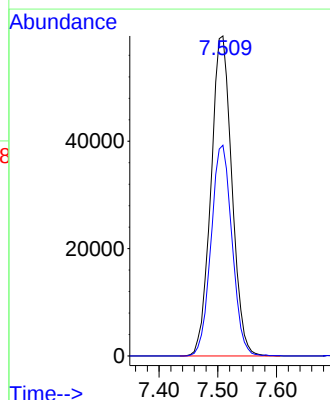
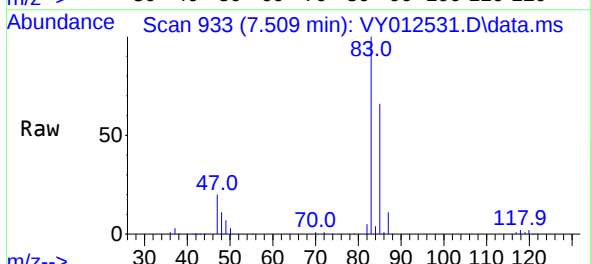
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

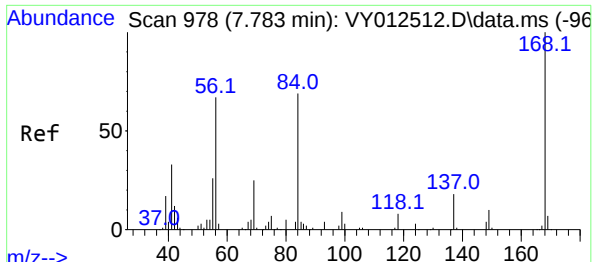
Tgt Ion: 42 Resp: 68118  
Ion Ratio Lower Upper  
42 100  
72 60.8 47.0 70.6  
71 57.6 44.6 66.8



#30  
Chloroform  
Concen: 49.023 ug/l  
RT: 7.509 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 83 Resp: 147635  
Ion Ratio Lower Upper  
83 100  
85 65.9 50.8 76.2

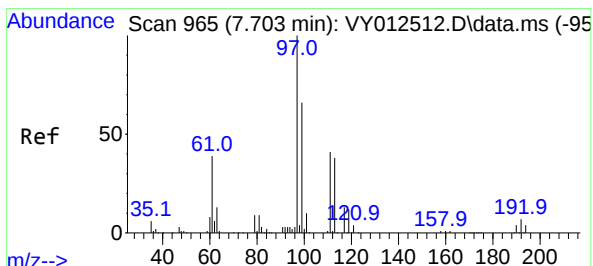
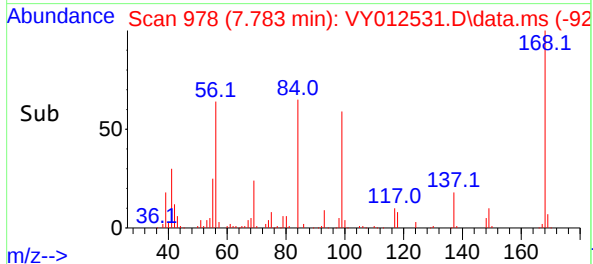
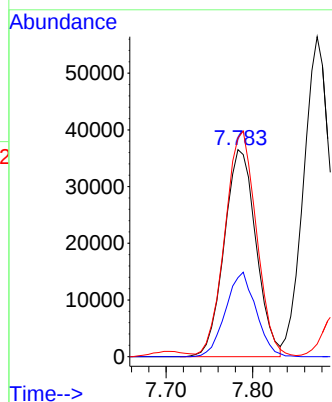
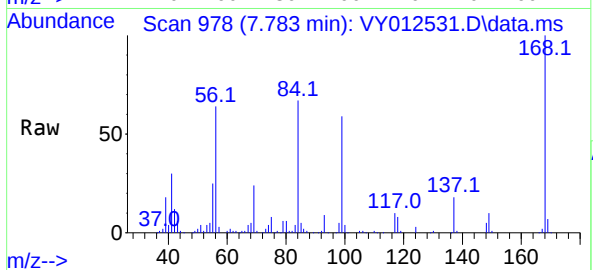




#31  
Cyclohexane  
Concen: 44.816 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

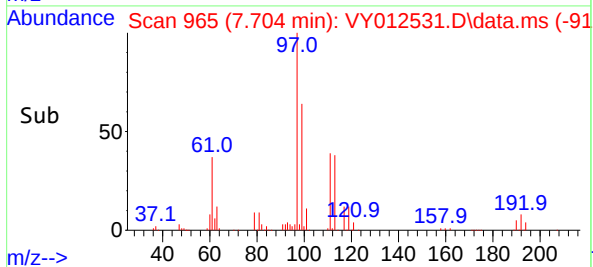
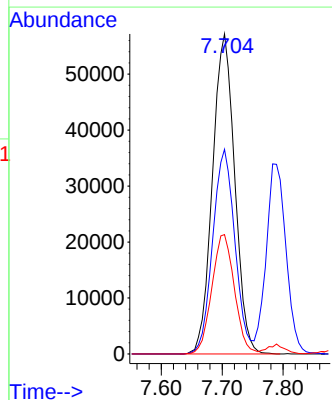
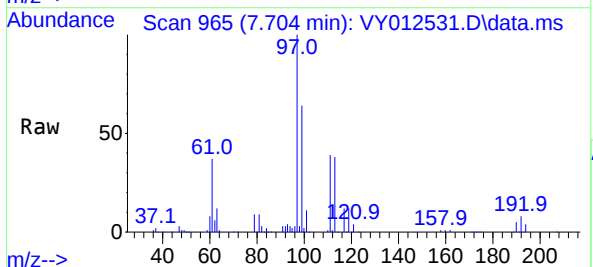
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

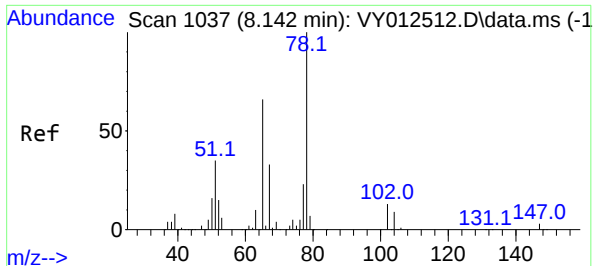
Tgt Ion: 56 Resp: 93281  
Ion Ratio Lower Upper  
56 100  
69 38.2 29.5 44.3  
84 103.7 81.9 122.9



#32  
1,1,1-Trichloroethane  
Concen: 49.664 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 97 Resp: 145137  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.1 76.7  
61 37.9 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 50.422 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

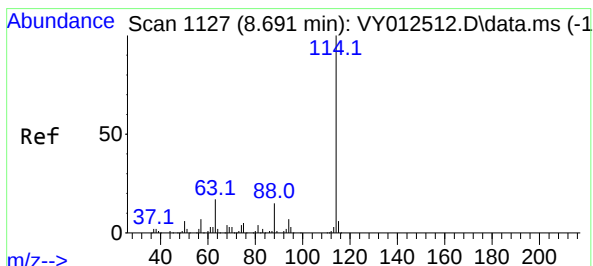
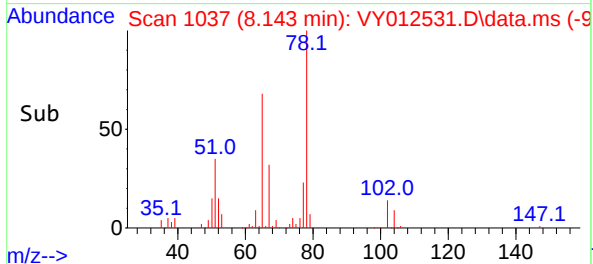
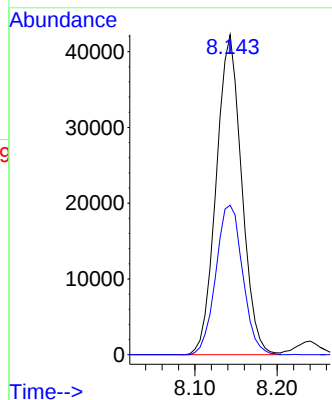
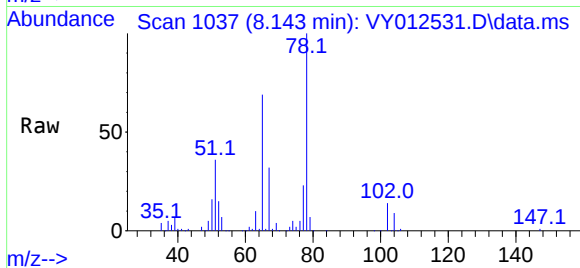
VSTDCCC050

Tgt Ion: 65 Resp: 90772

Ion Ratio Lower Upper

65 100

67 49.2 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

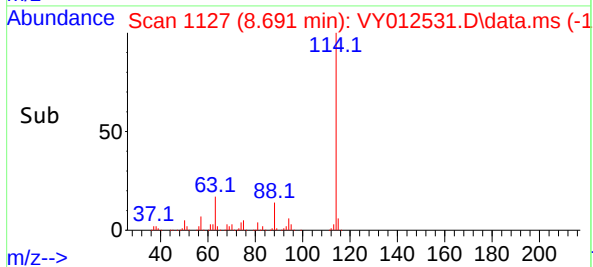
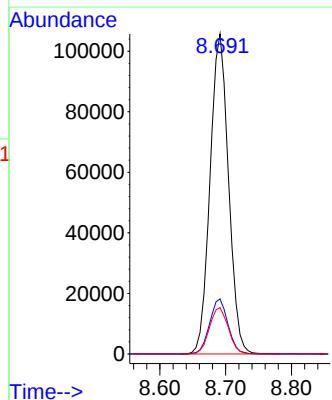
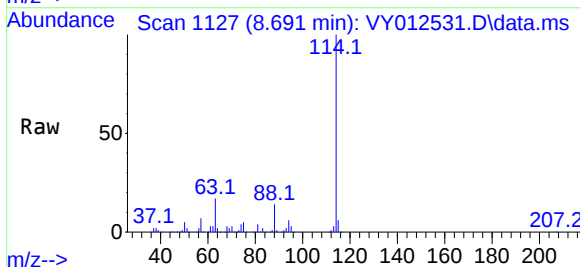
Tgt Ion: 114 Resp: 206400

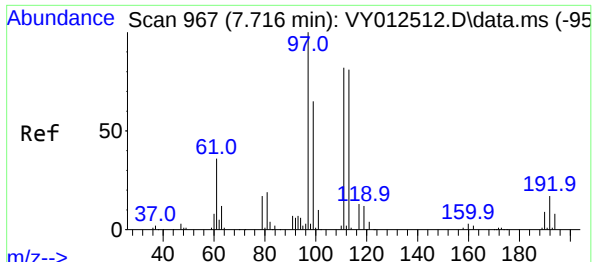
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 14.5 0.0 29.8

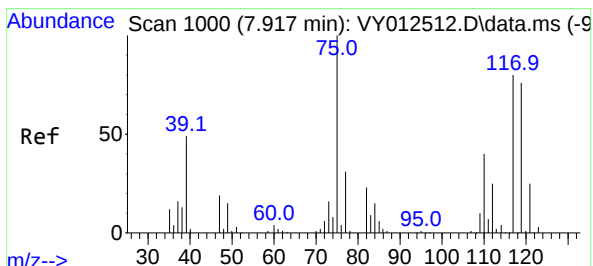
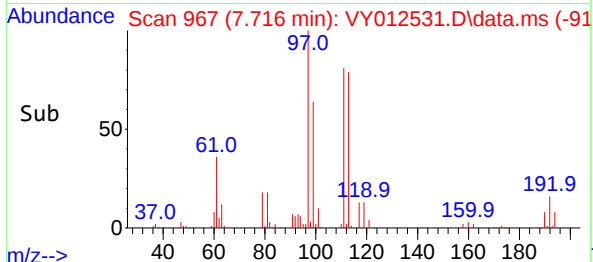
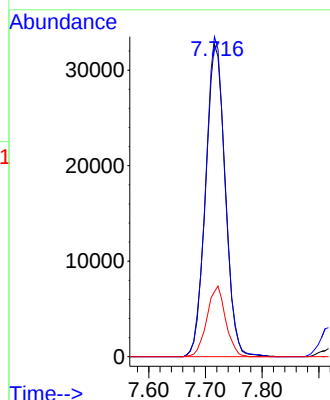
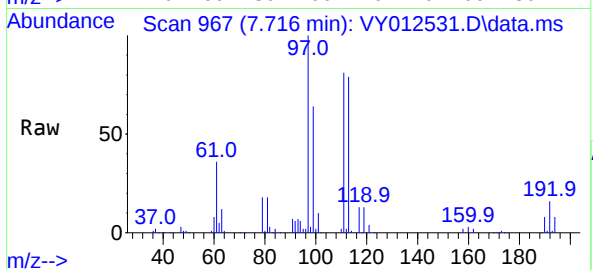




#35  
Dibromofluoromethane  
Concen: 52.212 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

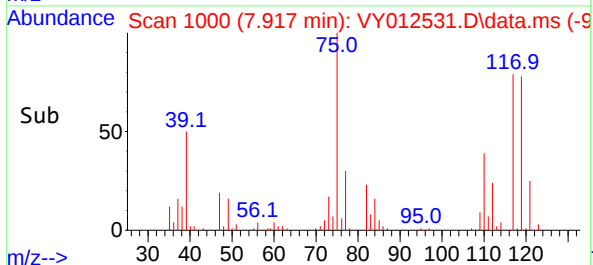
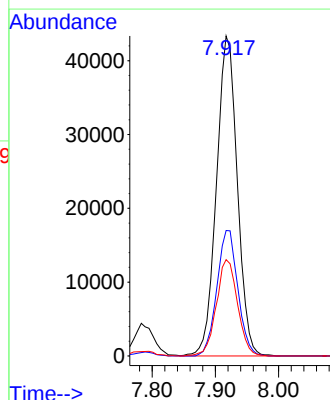
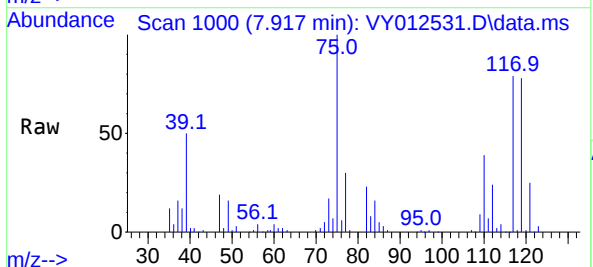
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

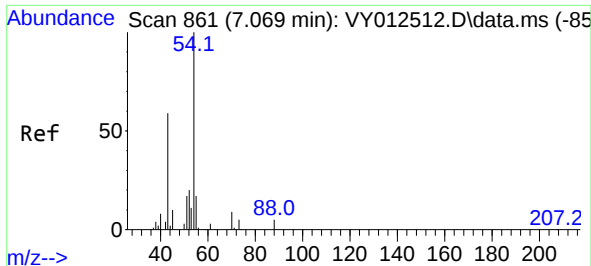
Tgt Ion:113 Resp: 78482  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.9 122.9  
192 21.6 17.5 26.3



#36  
1,1-Dichloropropene  
Concen: 48.654 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 75 Resp: 98980  
Ion Ratio Lower Upper  
75 100  
110 39.4 19.5 58.5  
77 30.6 24.9 37.3





#37

Ethyl Acetate

Concen: 52.041 ug/l

RT: 7.076 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

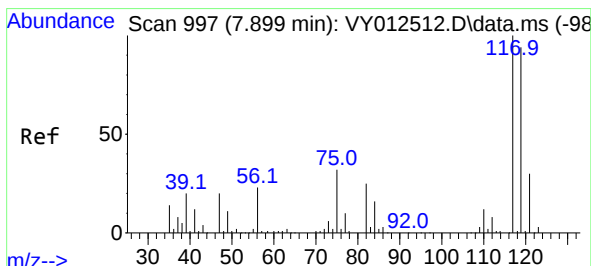
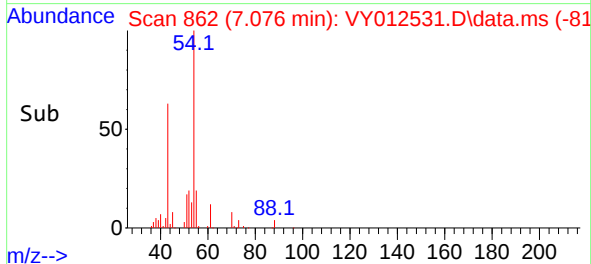
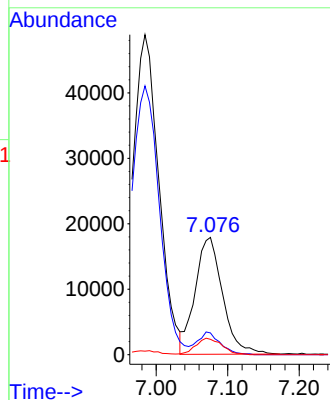
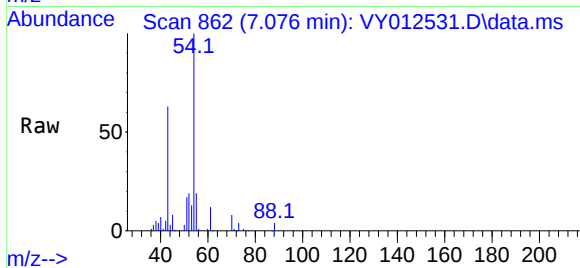
Tgt Ion: 43 Resp: 47771

Ion Ratio Lower Upper

43 100

61 16.0 12.5 18.7

70 13.4 11.0 16.4



#38

Carbon Tetrachloride

Concen: 49.898 ug/l

RT: 7.899 min Scan# 997

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

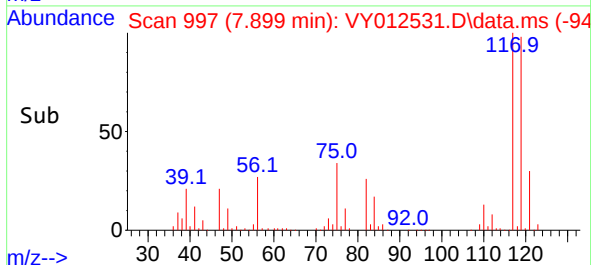
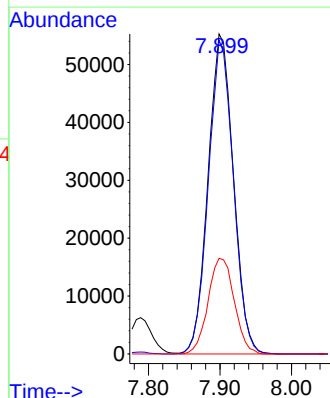
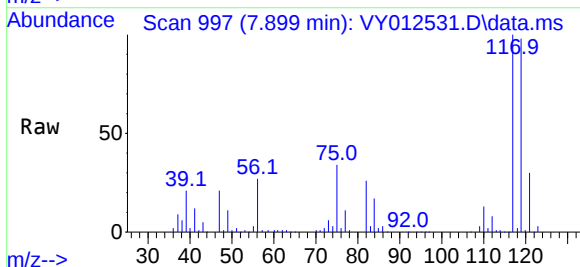
Tgt Ion: 117 Resp: 136261

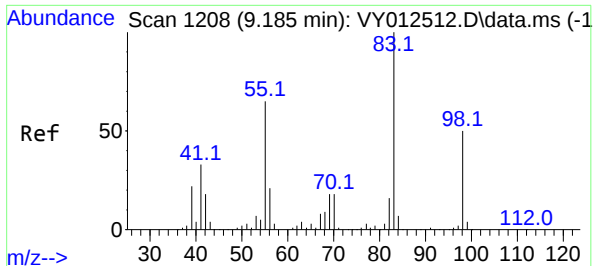
Ion Ratio Lower Upper

117 100

119 98.0 75.1 112.7

121 29.9 24.3 36.5





#39

Methylcyclohexane

Concen: 48.571 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

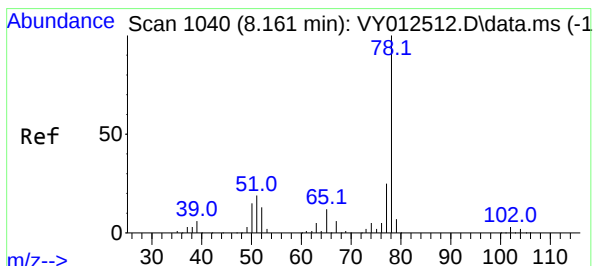
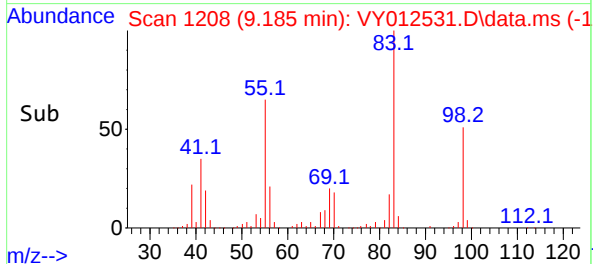
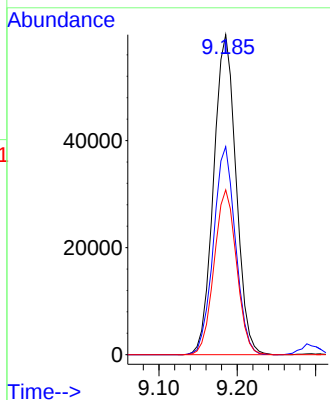
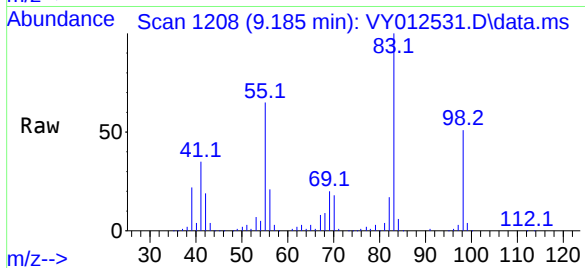
Tgt Ion: 83 Resp: 118899

Ion Ratio Lower Upper

83 100

55 65.0 52.0 78.0

98 51.5 40.4 60.6



#40

Benzene

Concen: 49.628 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY012531.D

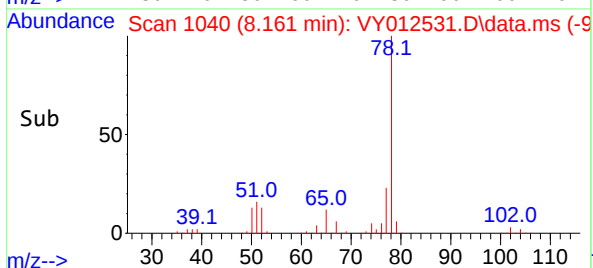
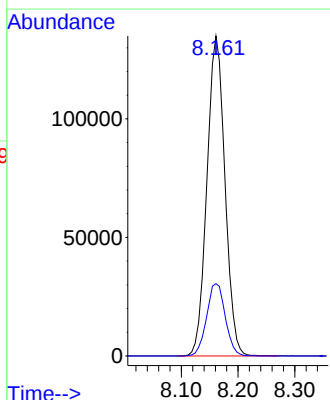
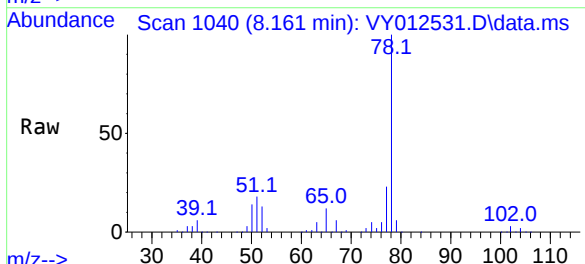
Acq: 08 Feb 2023 10:09

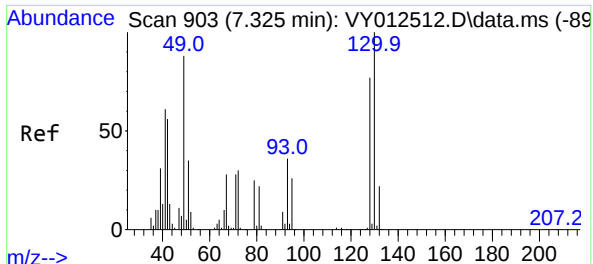
Tgt Ion: 78 Resp: 298196

Ion Ratio Lower Upper

78 100

77 22.6 19.9 29.9

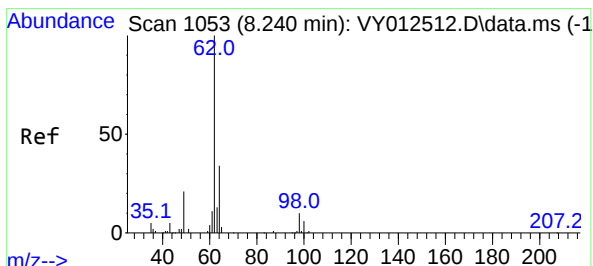
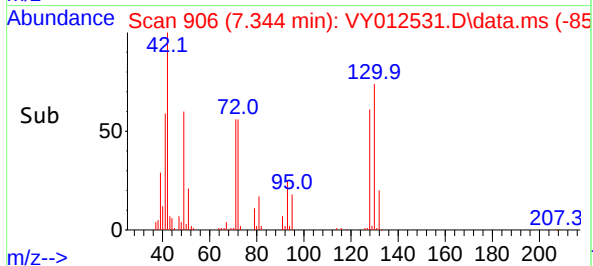
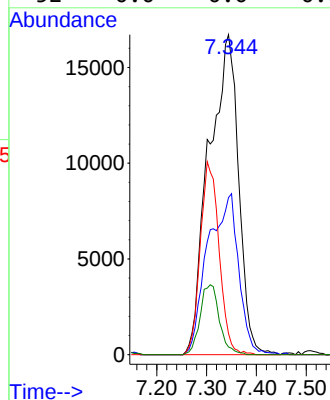
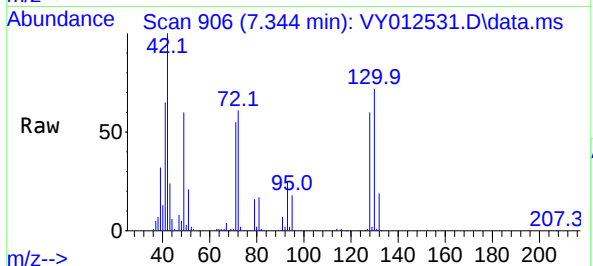




#41  
Methacrylonitrile  
Concen: 137.076 ug/l  
RT: 7.344 min Scan# 903  
Delta R.T. 0.019 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

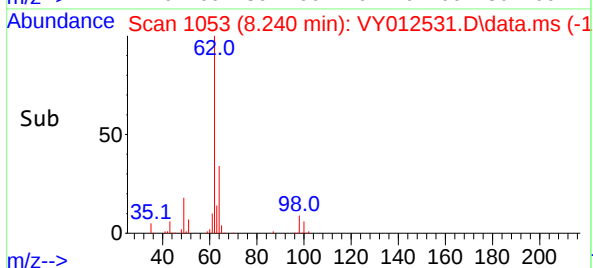
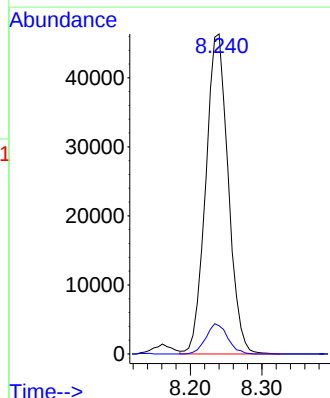
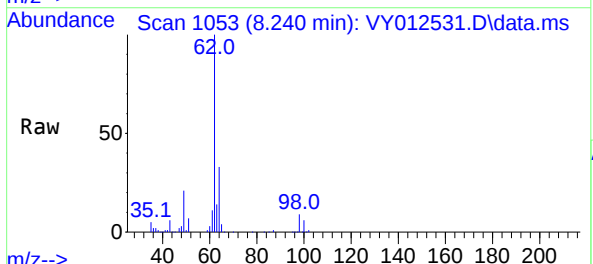
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

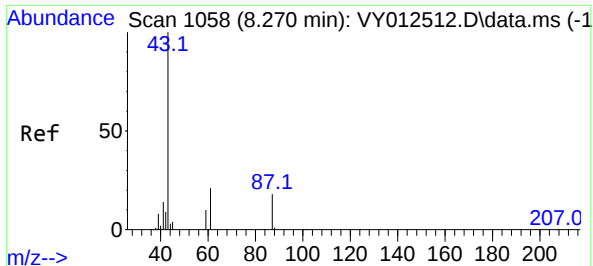
Tgt Ion: 41 Resp: 68937  
Ion Ratio Lower Upper  
41 100  
39 52.3 0.0 0.0#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 51.929 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 62 Resp: 101133  
Ion Ratio Lower Upper  
62 100  
98 9.1 0.0 19.2





#43

Isopropyl Acetate

Concen: 53.085 ug/l

RT: 8.271 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

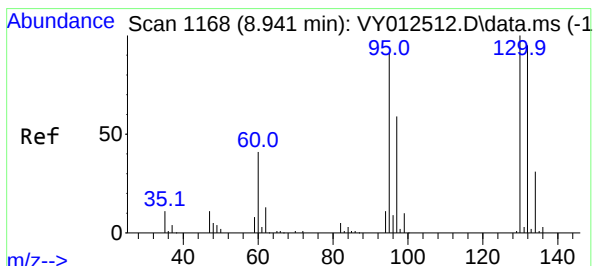
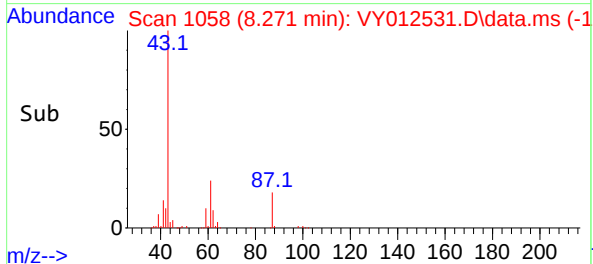
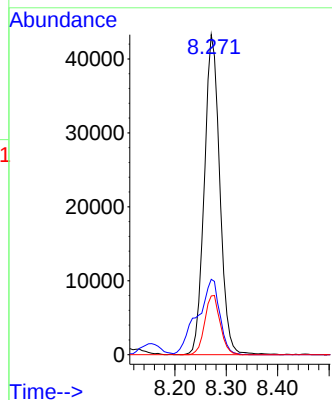
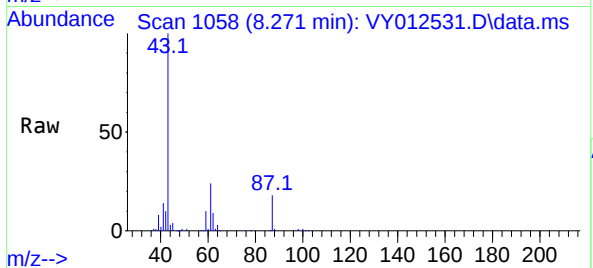
Tgt Ion: 43 Resp: 90349

Ion Ratio Lower Upper

43 100

61 34.0 27.2 40.8

87 18.5 15.0 22.4



#44

Trichloroethene

Concen: 50.496 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VY012531.D

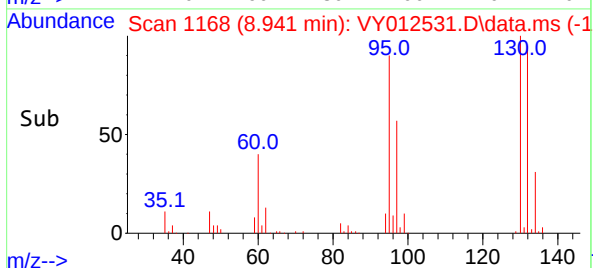
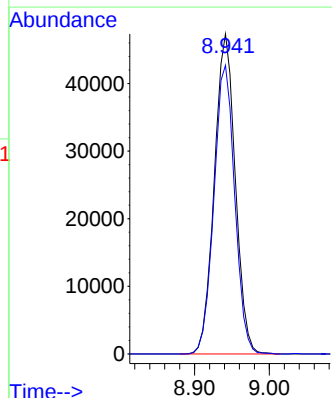
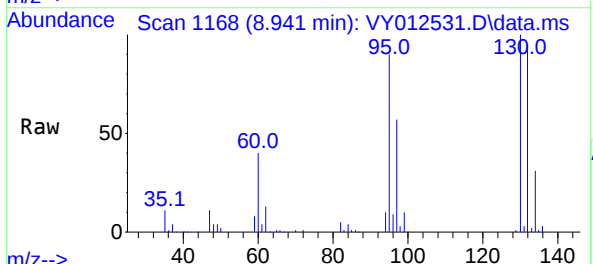
Acq: 08 Feb 2023 10:09

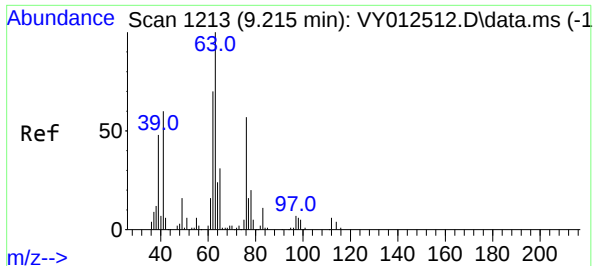
Tgt Ion:130 Resp: 92361

Ion Ratio Lower Upper

130 100

95 90.2 0.0 181.2





#45

1,2-Dichloropropane

Concen: 50.008 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

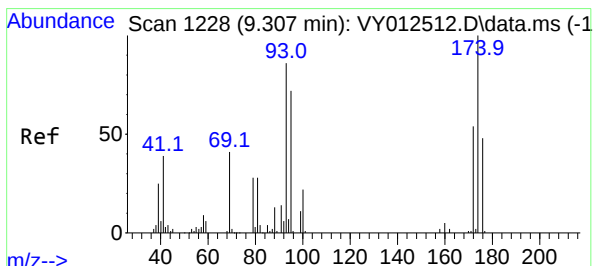
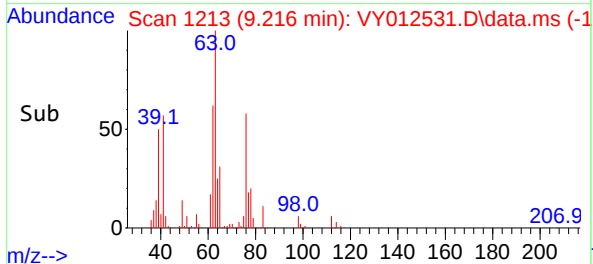
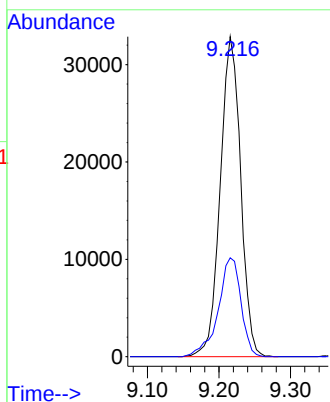
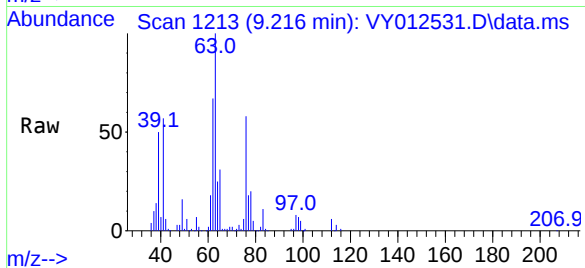
VSTDCCC050

Tgt Ion: 63 Resp: 65154

Ion Ratio Lower Upper

63 100

65 30.9 24.6 37.0



#46

Dibromomethane

Concen: 50.690 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

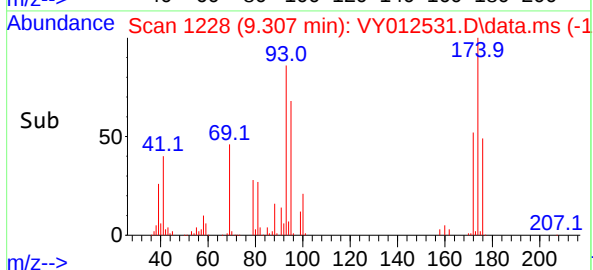
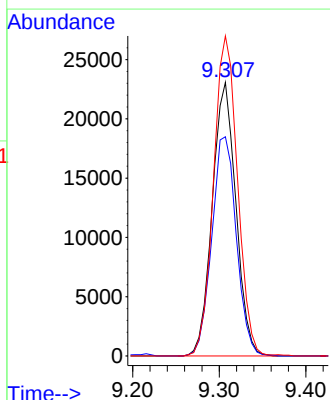
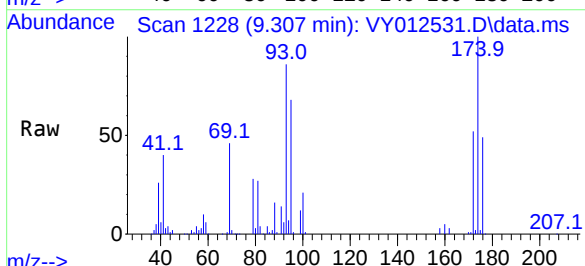
Tgt Ion: 93 Resp: 43730

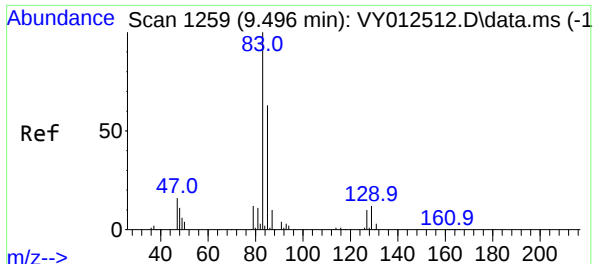
Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.8

174 118.8 93.4 140.2





#47

Bromodichloromethane

Concen: 51.291 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

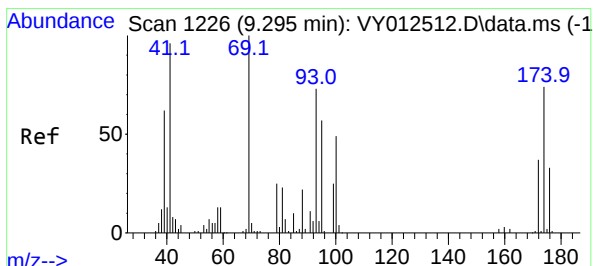
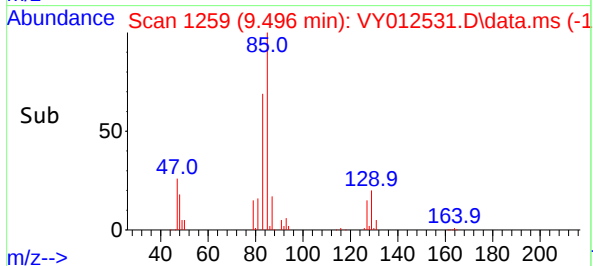
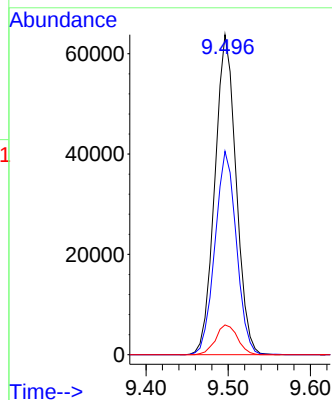
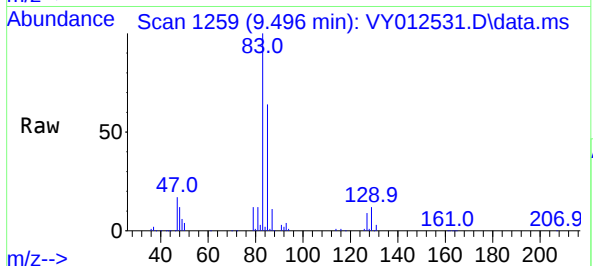
Tgt Ion: 83 Resp: 114730

Ion Ratio Lower Upper

83 100

85 63.5 50.7 76.1

127 9.3 8.1 12.1



#48

Methyl methacrylate

Concen: 52.719 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

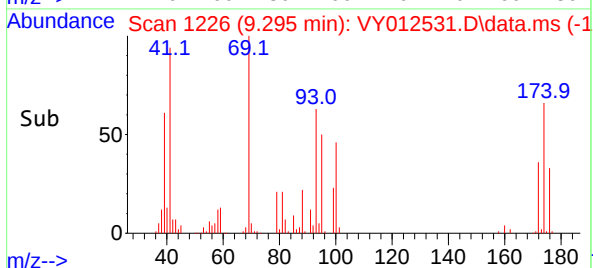
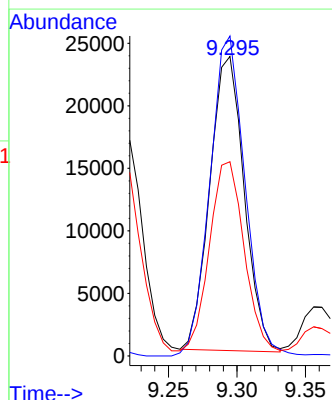
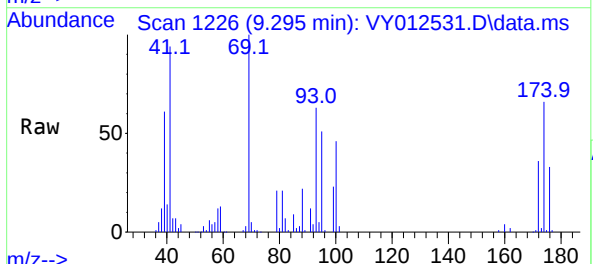
Tgt Ion: 41 Resp: 41013

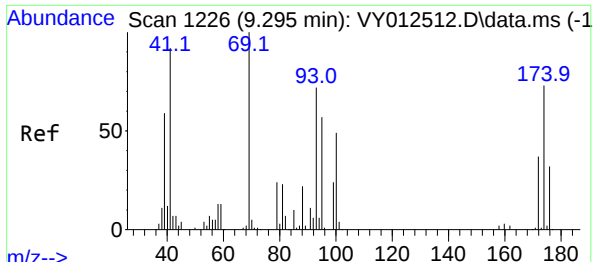
Ion Ratio Lower Upper

41 100

69 111.1 85.4 128.2

39 68.6 52.7 79.1





#49

1,4-Dioxane

Concen: 1104.789 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

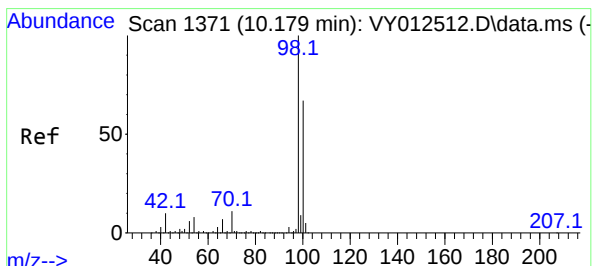
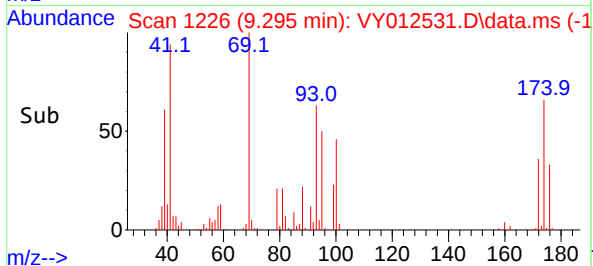
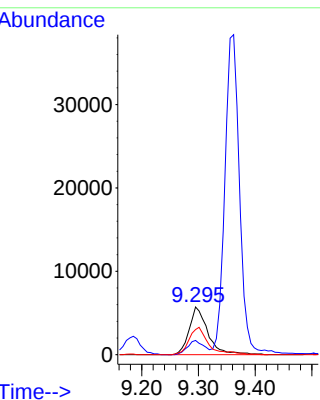
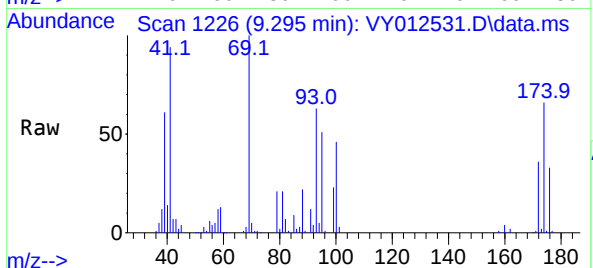
Tgt Ion: 88 Resp: 13157

Ion Ratio Lower Upper

88 100

43 26.2 22.6 33.8

58 59.3 45.4 68.0



#50

Toluene-d8

Concen: 51.125 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012531.D

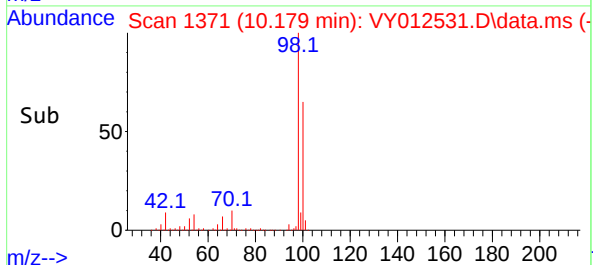
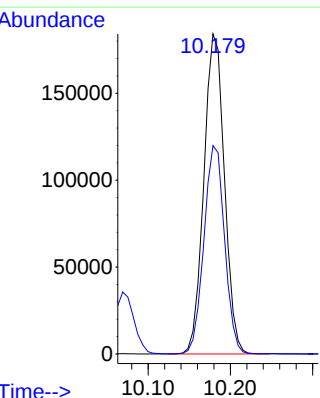
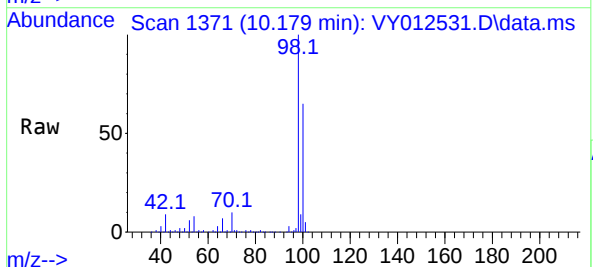
Acq: 08 Feb 2023 10:09

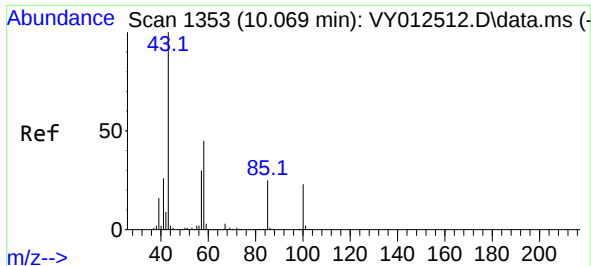
Tgt Ion: 98 Resp: 319861

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2

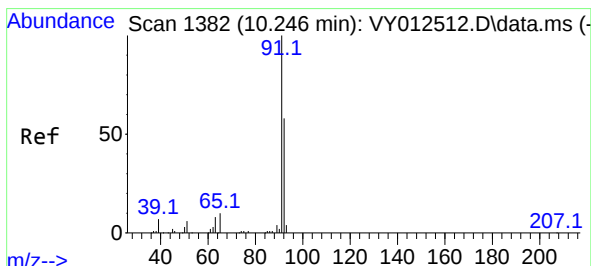
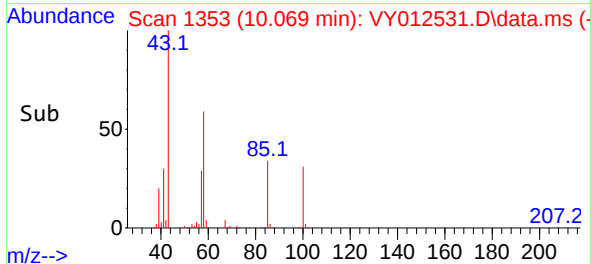
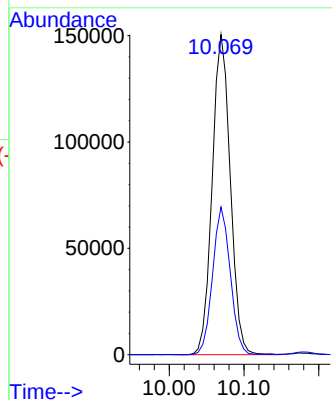
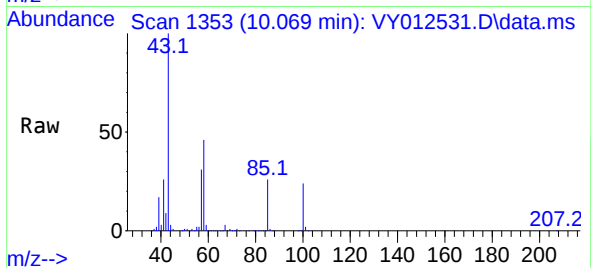




#51  
4-Methyl-2-Pentanone  
Concen: 275.808 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

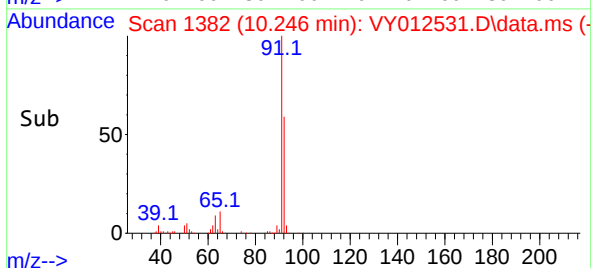
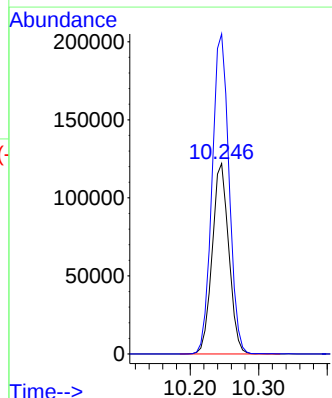
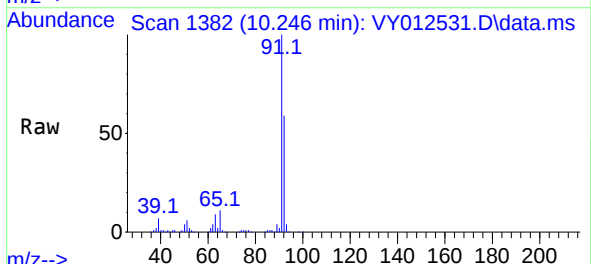
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

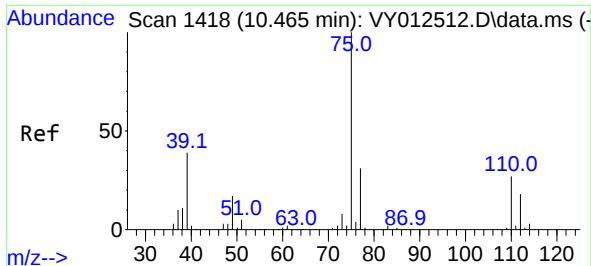
Tgt Ion: 43 Resp: 253265  
Ion Ratio Lower Upper  
43 100  
58 45.1 36.2 54.2



#52  
Toluene  
Concen: 50.186 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 92 Resp: 204489  
Ion Ratio Lower Upper  
92 100  
91 171.9 137.2 205.8

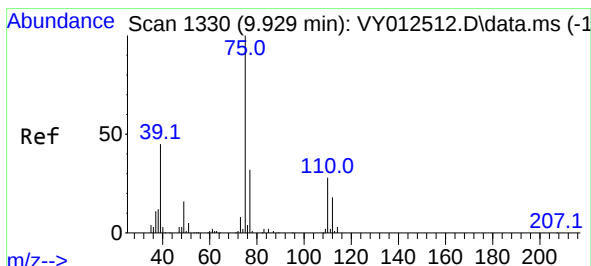
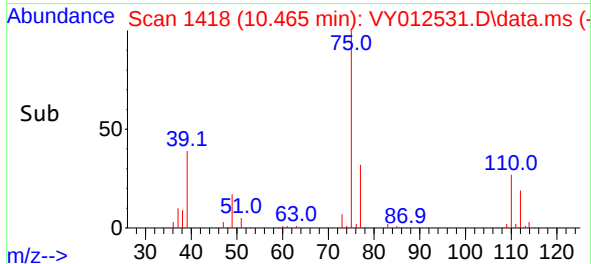
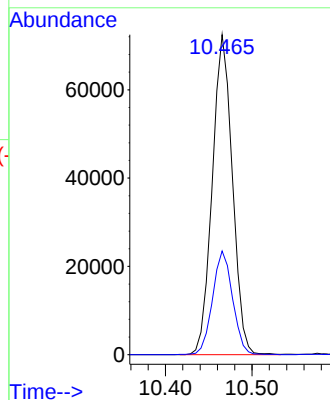
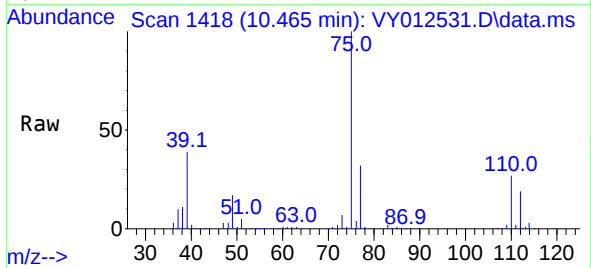




#53  
t-1,3-Dichloropropene  
Concen: 51.843 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

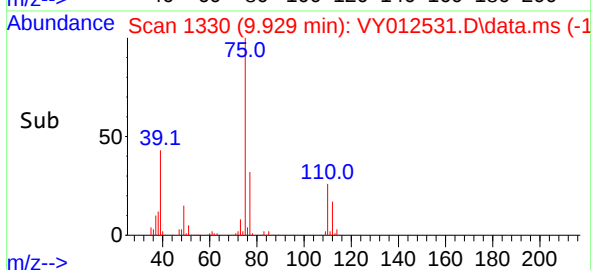
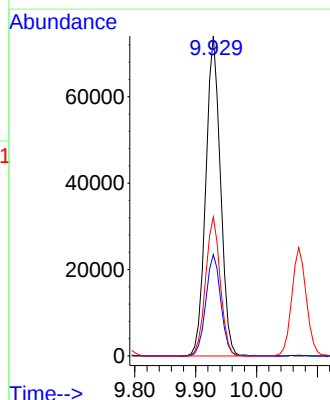
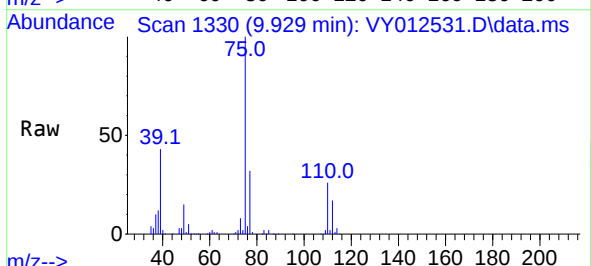
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

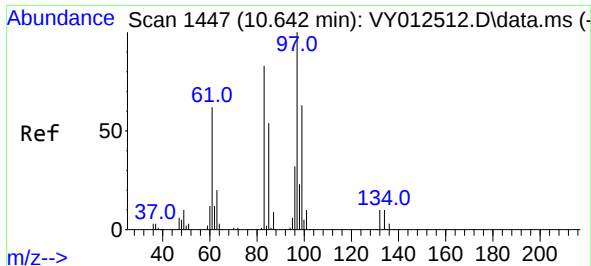
Tgt Ion: 75 Resp: 116854  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.1 37.7



#54  
cis-1,3-Dichloropropene  
Concen: 50.868 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 75 Resp: 124076  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.7 38.5  
39 43.5 36.0 54.0



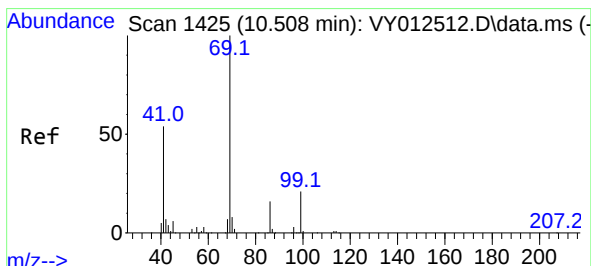
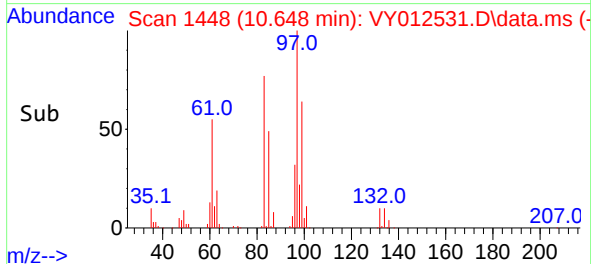
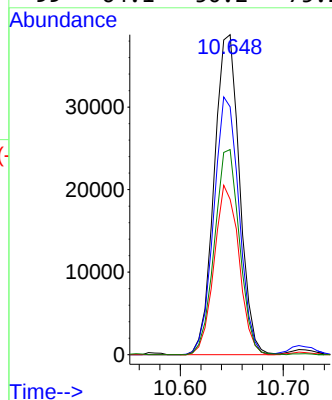
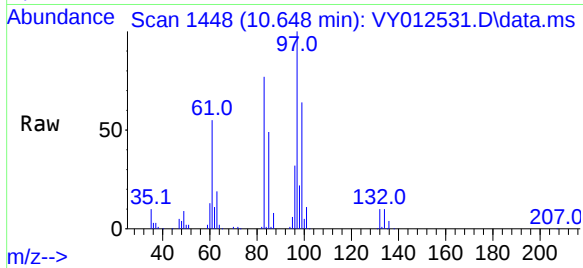


#55  
1,1,2-Trichloroethane  
Concen: 52.672 ug/l  
RT: 10.648 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 66395

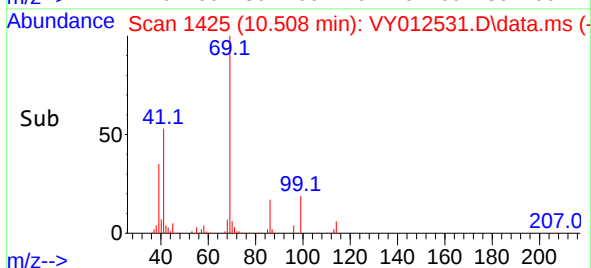
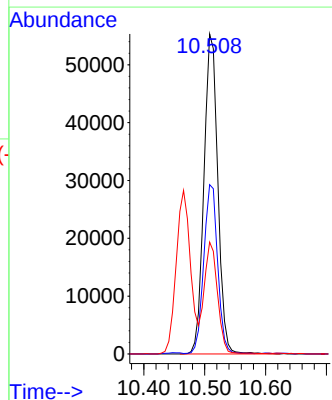
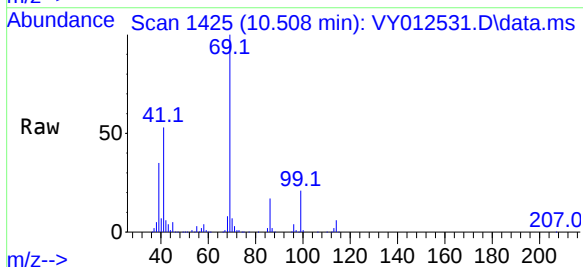
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 77.4  | 66.0  | 99.0  |
| 85  | 48.6  | 43.1  | 64.7  |
| 99  | 64.1  | 50.2  | 75.2  |

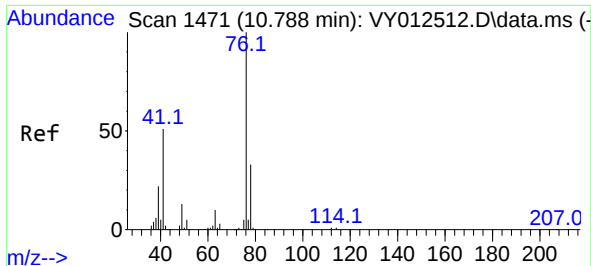


#56  
Ethyl methacrylate  
Concen: 55.363 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 69 Resp: 87680

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 52.8  | 43.4  | 65.2  |
| 39  | 32.8  | 26.5  | 39.7  |





#57

1,3-Dichloropropane

Concen: 52.372 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

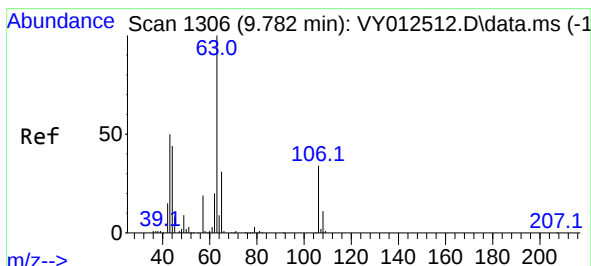
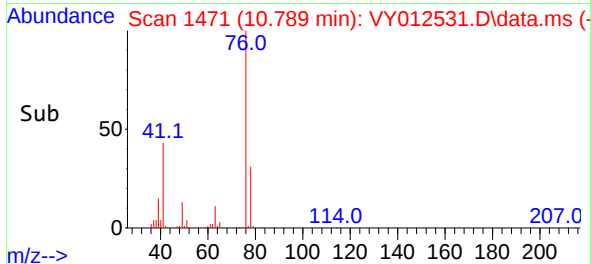
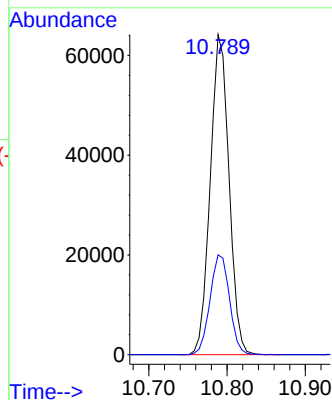
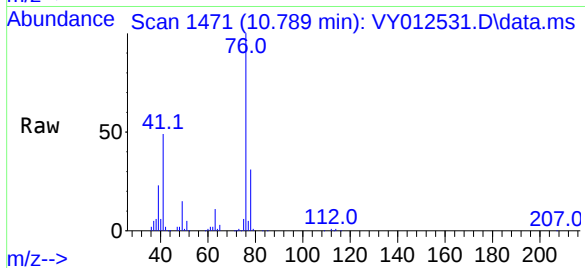
VSTDCCC050

Tgt Ion: 76 Resp: 106547

Ion Ratio Lower Upper

76 100

78 32.5 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 264.993 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY012531.D

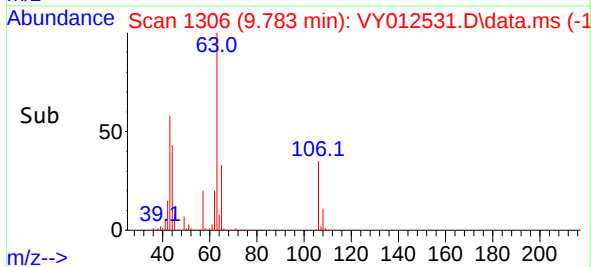
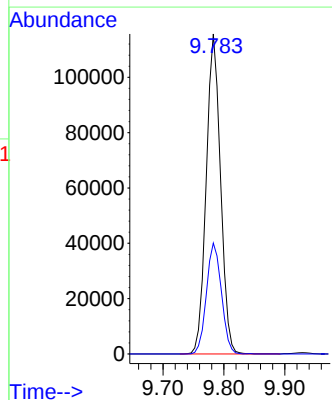
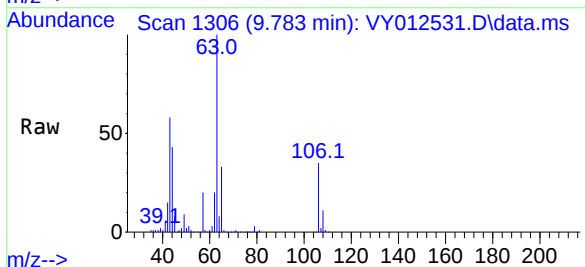
Acq: 08 Feb 2023 10:09

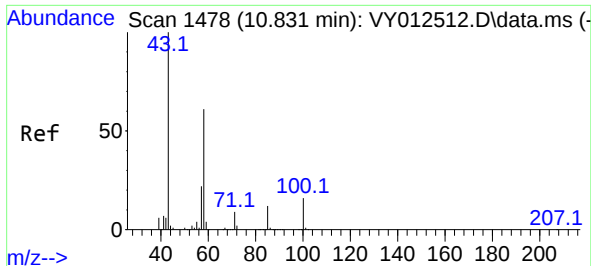
Tgt Ion: 63 Resp: 188634

Ion Ratio Lower Upper

63 100

106 36.2 28.0 42.0

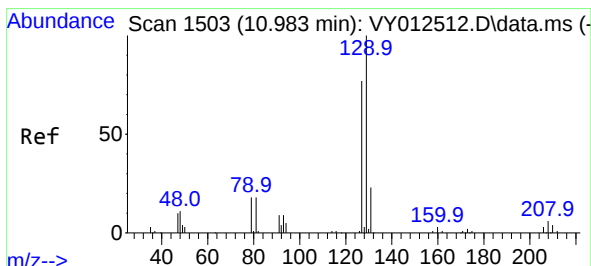
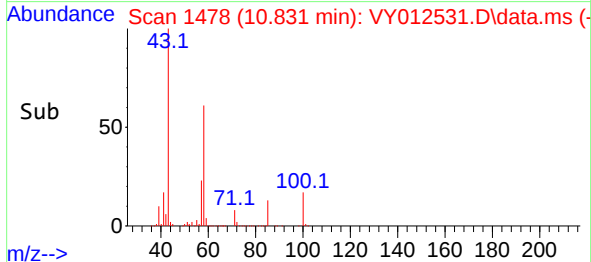
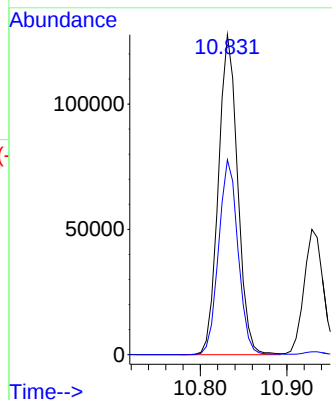
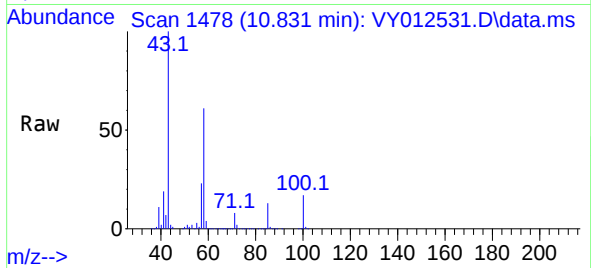




#59  
2-Hexanone  
Concen: 284.498 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

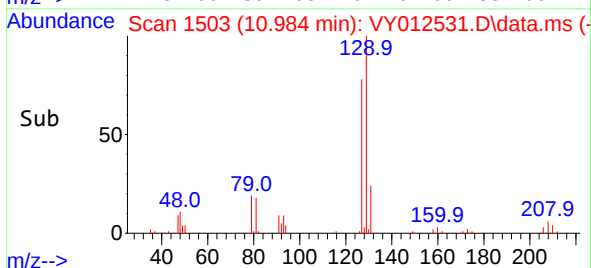
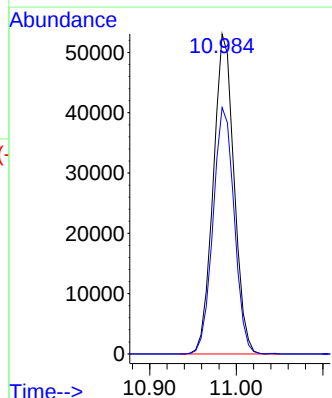
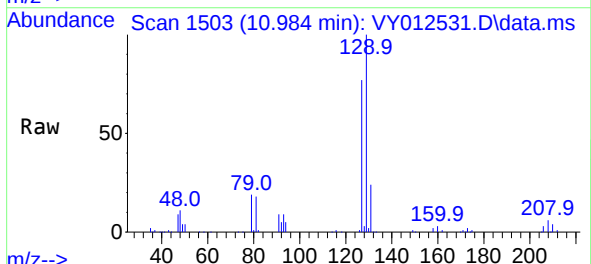
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

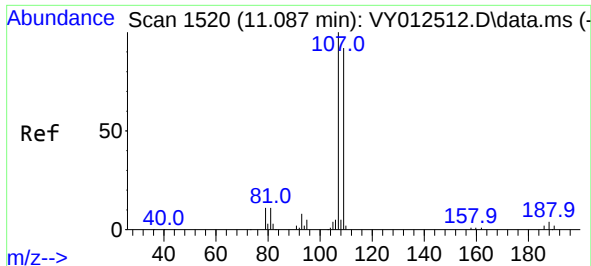
Tgt Ion: 43 Resp: 197426  
Ion Ratio Lower Upper  
43 100  
58 61.4 30.9 92.5



#60  
Dibromochloromethane  
Concen: 52.606 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 129 Resp: 88395  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.0 114.1

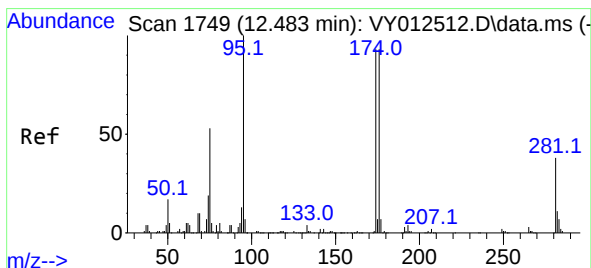
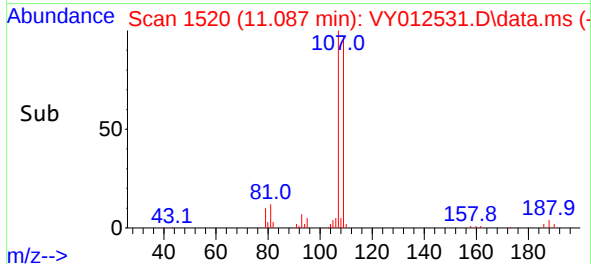
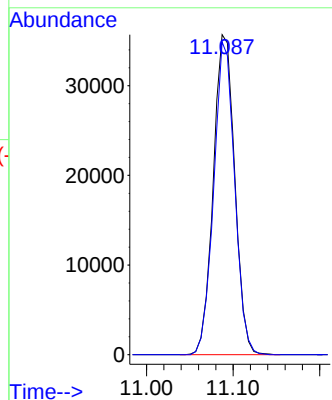
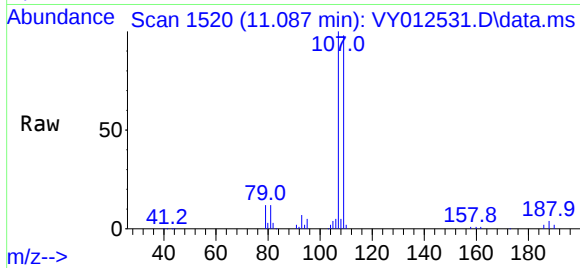




#61  
1,2-Dibromoethane  
Concen: 51.890 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

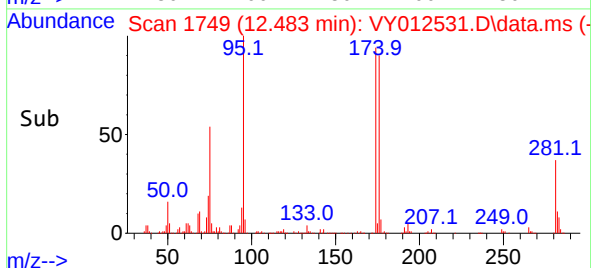
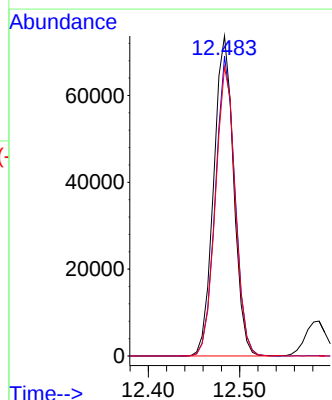
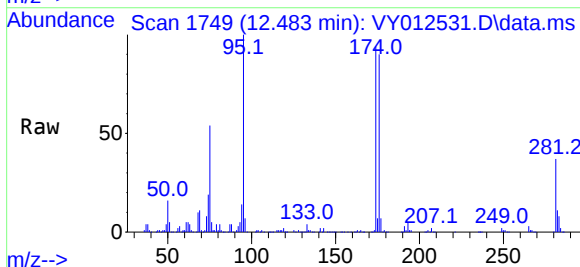
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

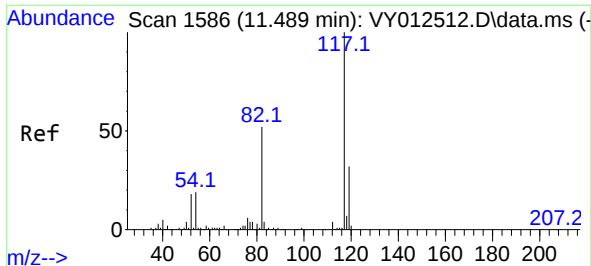
Tgt Ion:107 Resp: 61288  
Ion Ratio Lower Upper  
107 100  
109 95.2 74.2 111.2



#62  
4-Bromofluorobenzene  
Concen: 51.111 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 95 Resp: 111538  
Ion Ratio Lower Upper  
95 100  
174 91.9 0.0 188.0  
176 89.8 0.0 183.6

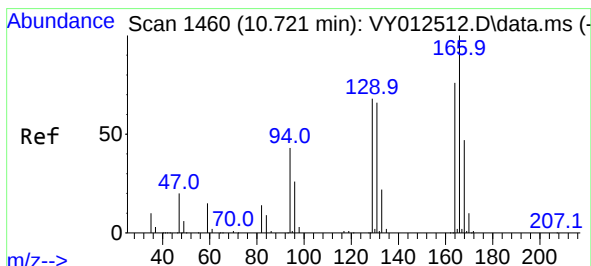
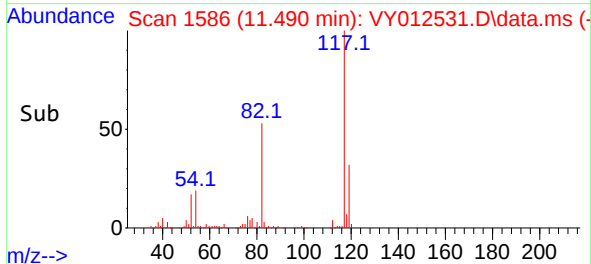
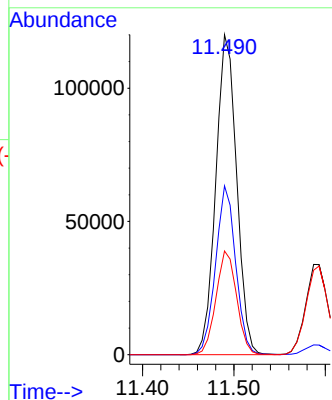
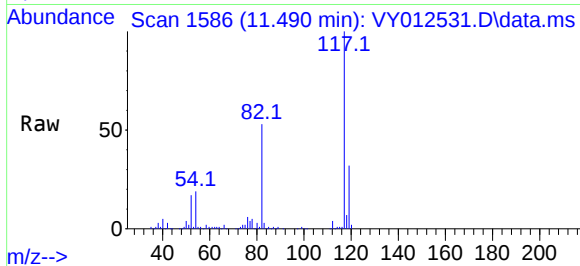




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

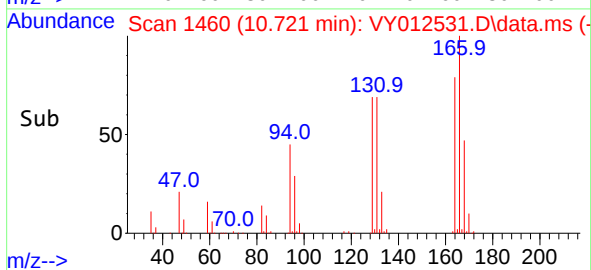
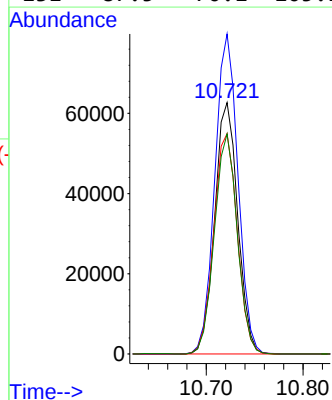
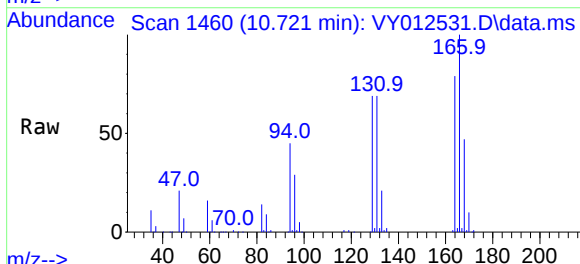
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

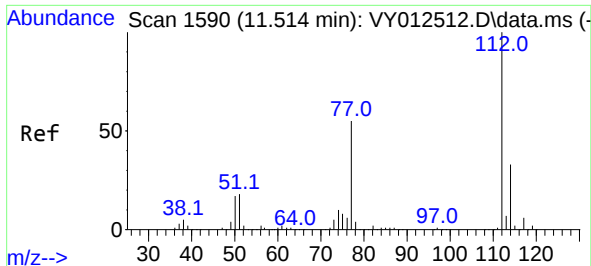
Tgt Ion:117 Resp: 190365  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.7 62.5  
119 32.4 25.8 38.8



#64  
Tetrachloroethene  
Concen: 52.137 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:164 Resp: 103617  
Ion Ratio Lower Upper  
164 100  
166 127.3 105.7 158.5  
129 87.6 71.8 107.6  
131 87.5 70.1 105.1

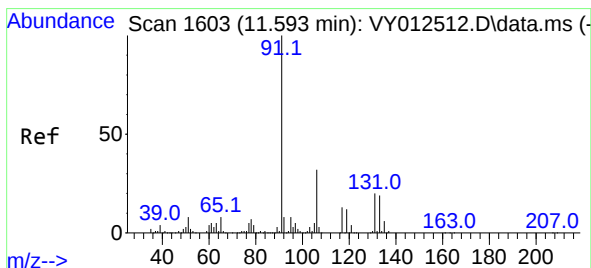
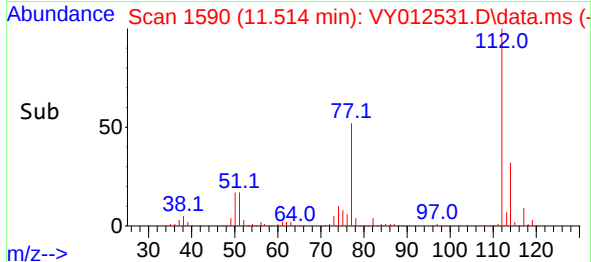
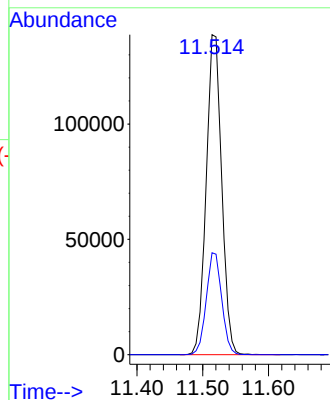
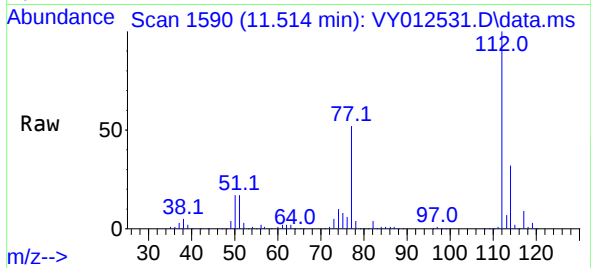




#65  
Chlorobenzene  
Concen: 50.306 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

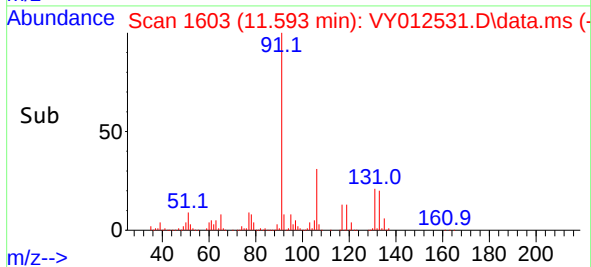
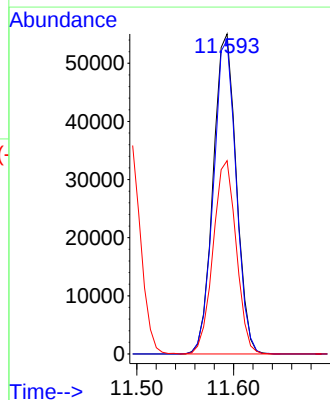
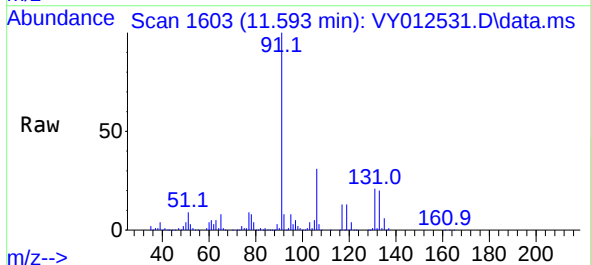
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

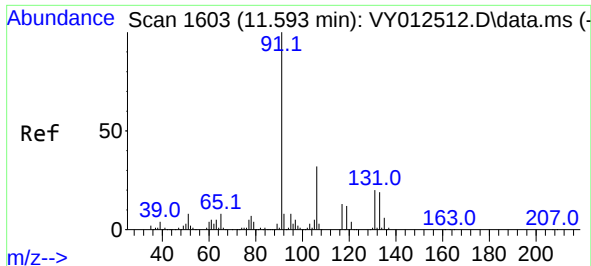
Tgt Ion:112 Resp: 227138  
Ion Ratio Lower Upper  
112 100  
114 31.9 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.450 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:131 Resp: 91034  
Ion Ratio Lower Upper  
131 100  
133 96.5 48.5 145.5  
119 60.6 30.7 92.1





#67

Ethyl Benzene

Concen: 50.608 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

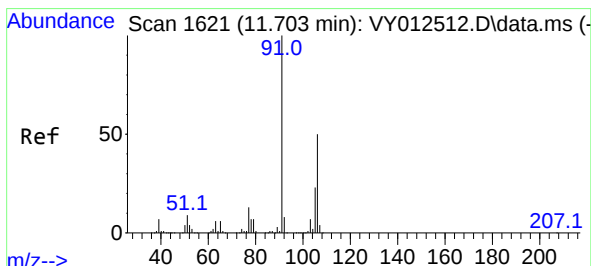
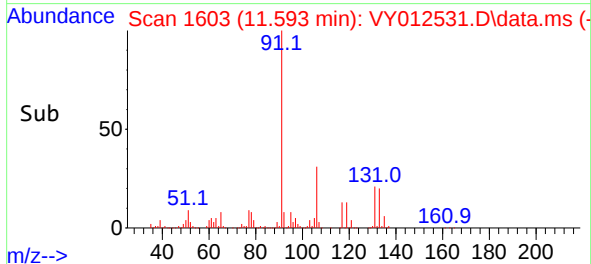
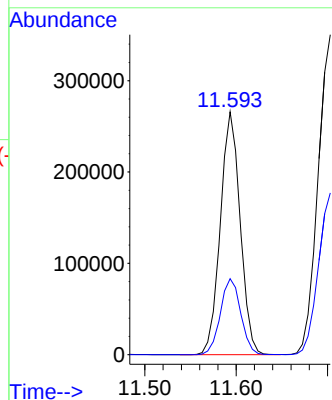
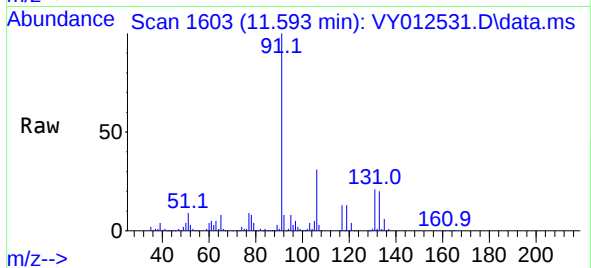
VSTDCCC050

Tgt Ion: 91 Resp: 401158

Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4



#68

m/p-Xylenes

Concen: 101.899 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY012531.D

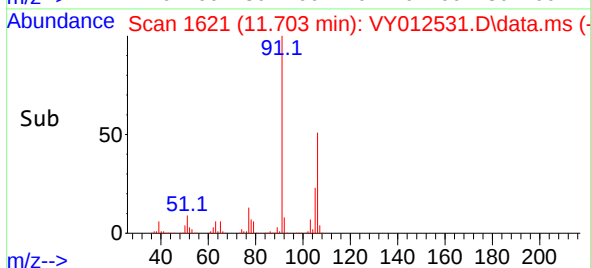
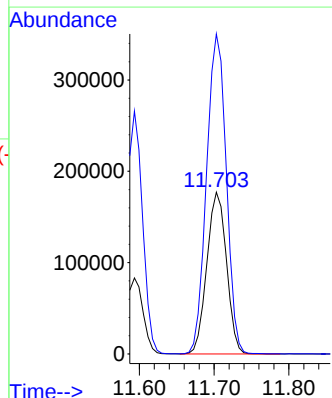
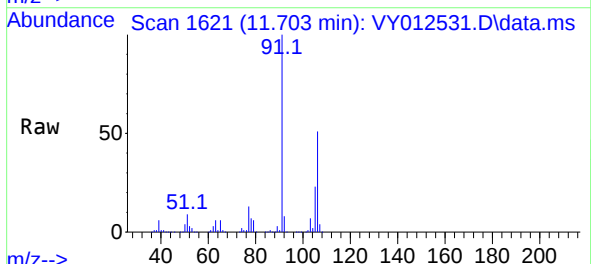
Acq: 08 Feb 2023 10:09

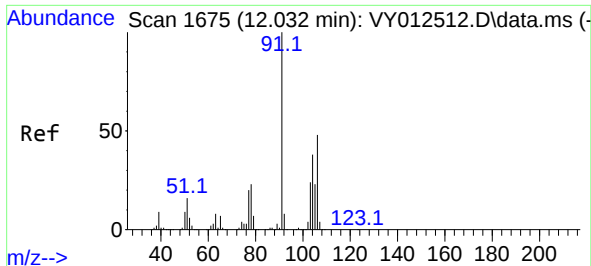
Tgt Ion: 106 Resp: 322411

Ion Ratio Lower Upper

106 100

91 199.0 160.3 240.5

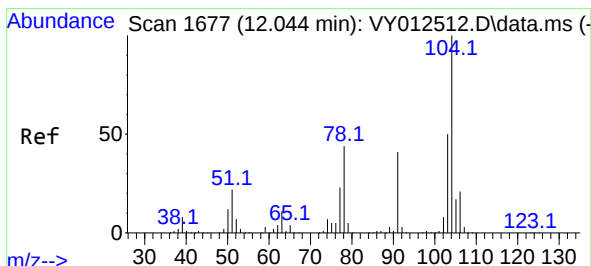
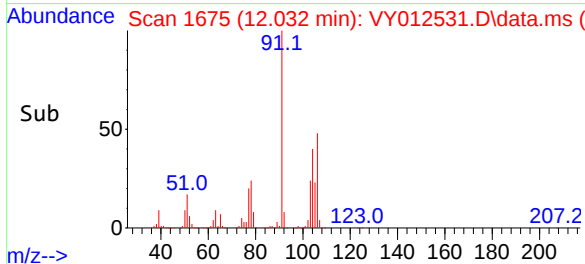
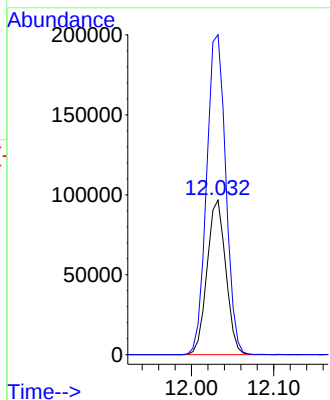
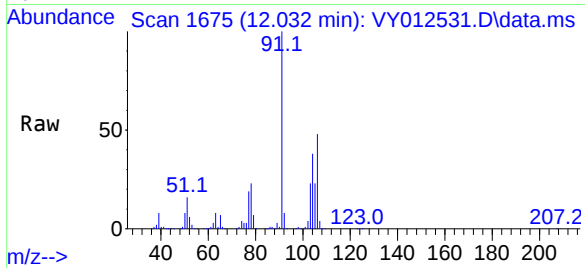




#69  
o-Xylene  
Concen: 50.737 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

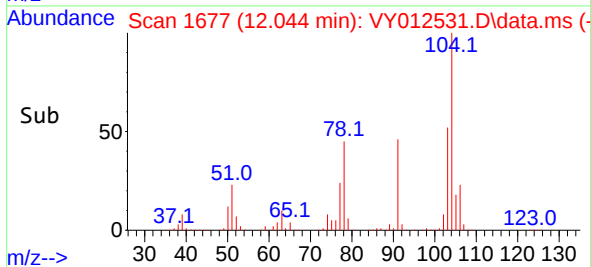
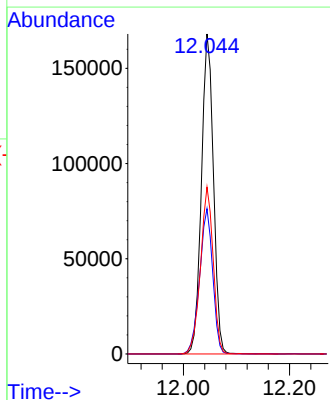
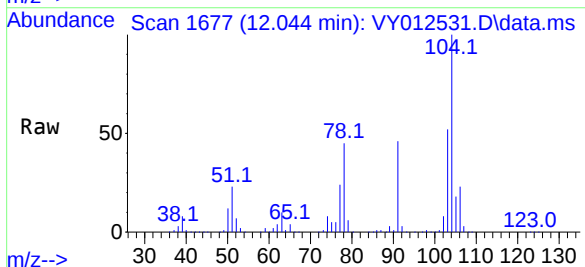
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

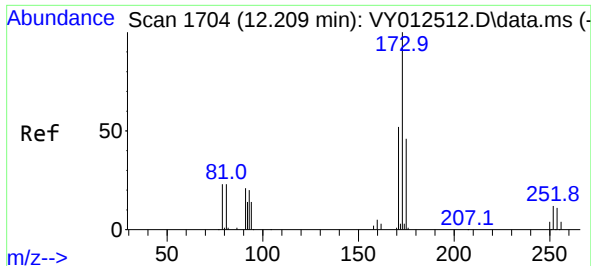
Tgt Ion:106 Resp: 152881  
Ion Ratio Lower Upper  
106 100  
91 211.5 104.2 312.5



#70  
Styrene  
Concen: 51.660 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:104 Resp: 263998  
Ion Ratio Lower Upper  
104 100  
78 49.3 39.4 59.2  
103 55.1 43.8 65.8

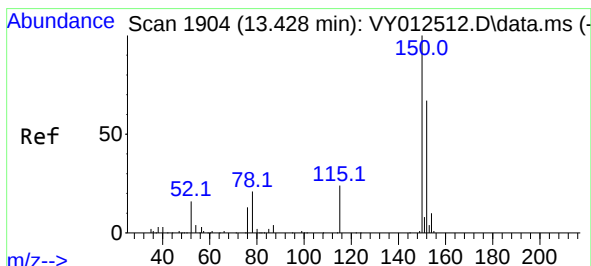
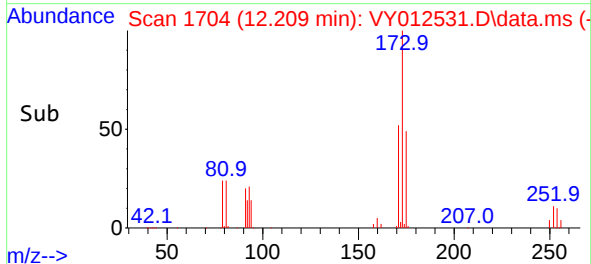
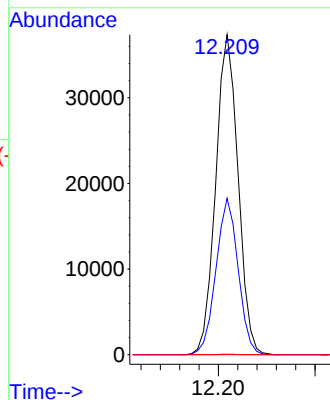
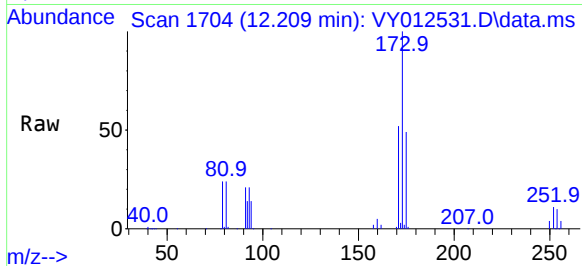




#71  
Bromoform  
Concen: 53.578 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

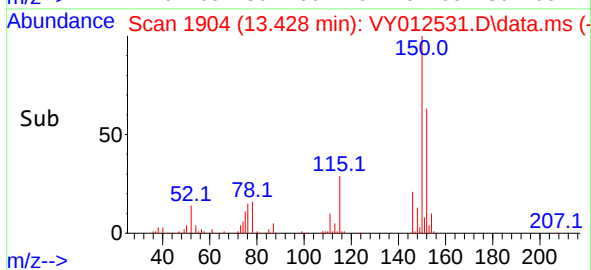
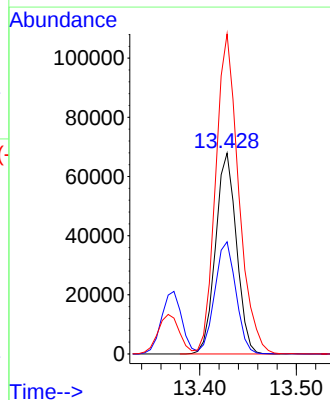
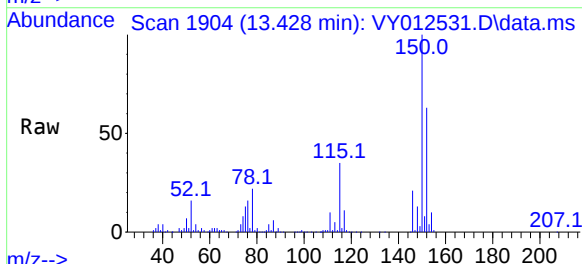
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

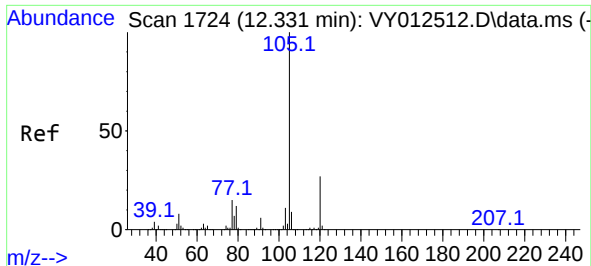
Tgt Ion:173 Resp: 59920  
Ion Ratio Lower Upper  
173 100  
175 48.3 23.9 71.7  
254 0.1 0.1 0.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:152 Resp: 101768  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.1 84.3  
150 175.7 0.0 351.0

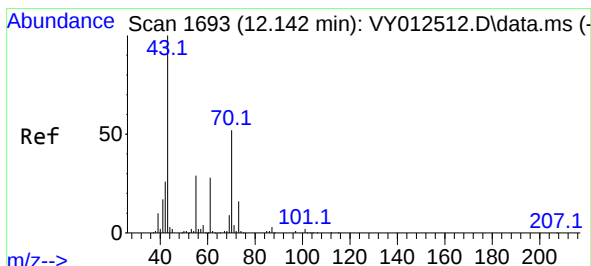
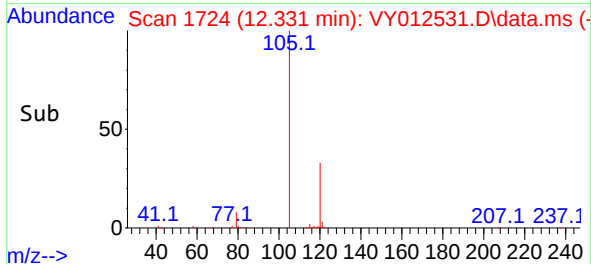
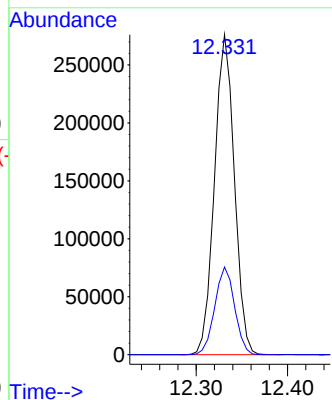
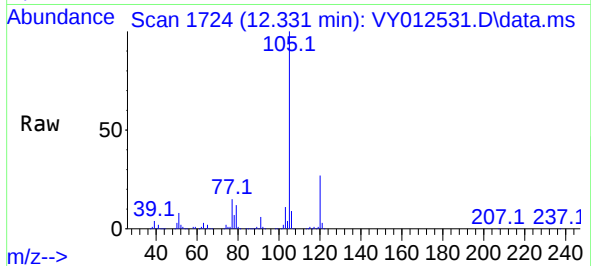




#73  
Isopropylbenzene  
Concen: 50.815 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

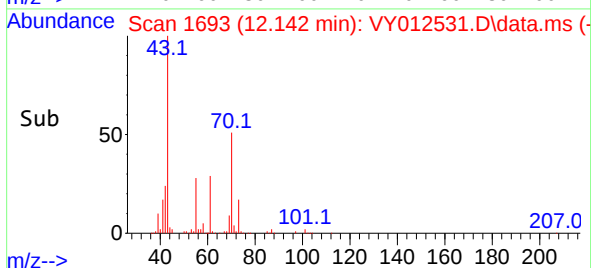
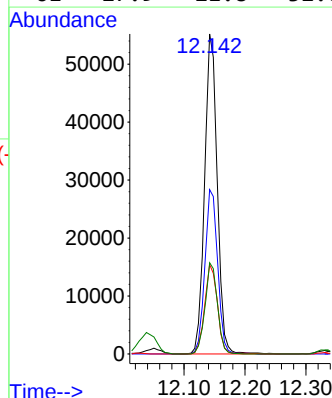
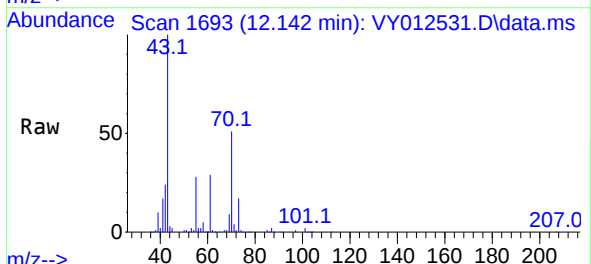
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

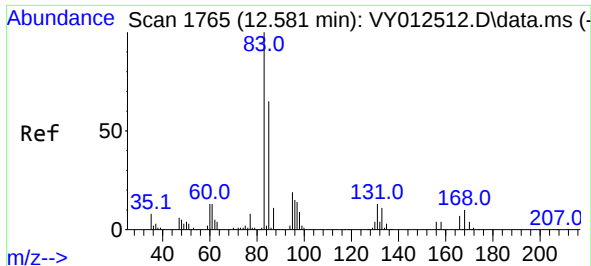
Tgt Ion:105 Resp: 418390  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.2



#74  
N-ethyl acetate  
Concen: 53.459 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 43 Resp: 79678  
Ion Ratio Lower Upper  
43 100  
70 51.8 41.0 61.6  
55 28.1 22.9 34.3  
61 27.9 21.8 32.6

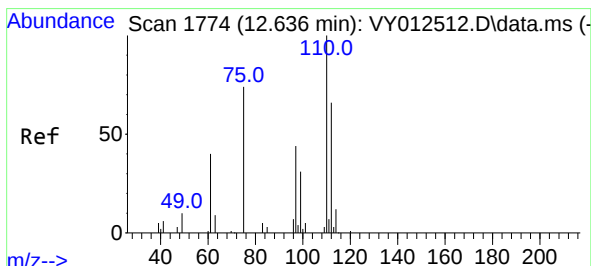
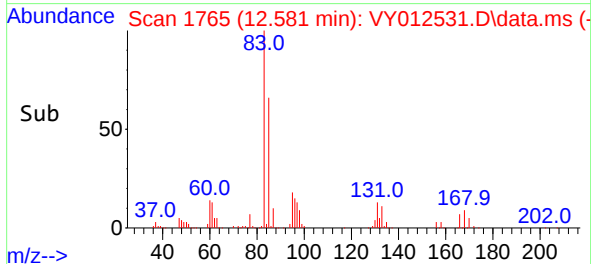
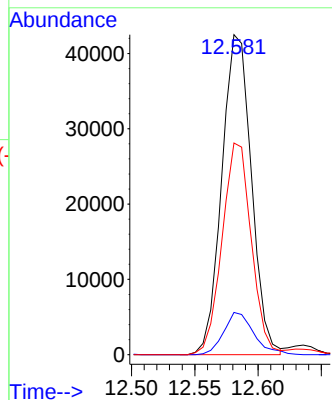
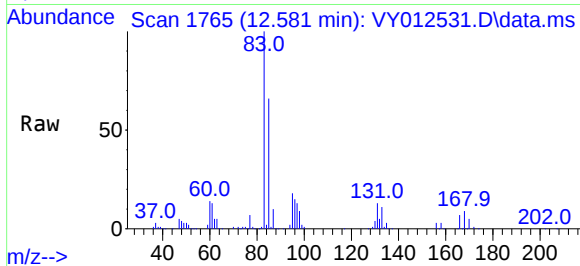




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.953 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

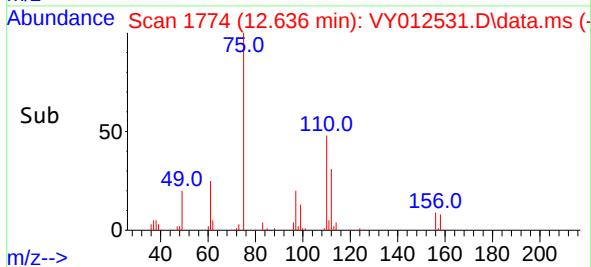
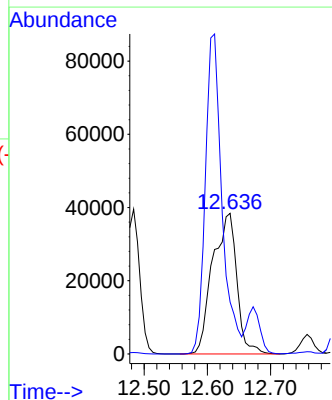
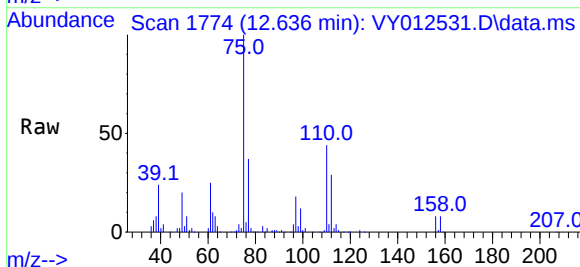
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

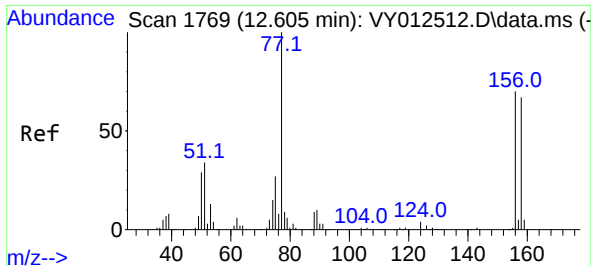
Tgt Ion: 83 Resp: 69167  
Ion Ratio Lower Upper  
83 100  
131 13.4 6.5 19.4  
85 65.5 33.0 99.0



#76  
1,2,3-Trichloropropane  
Concen: 89.687 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 75 Resp: 101973  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

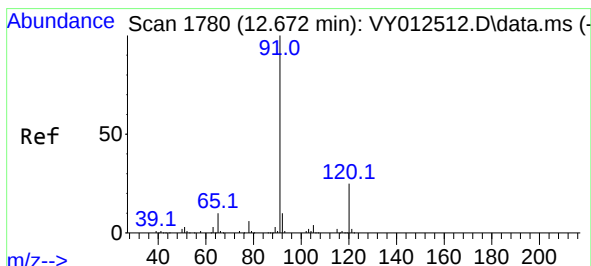
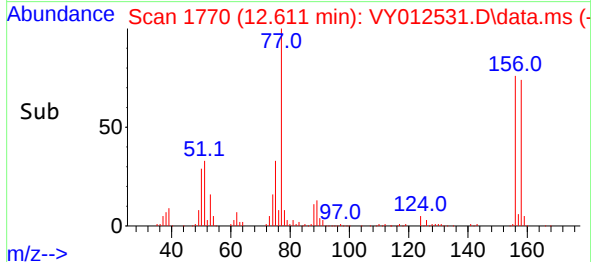
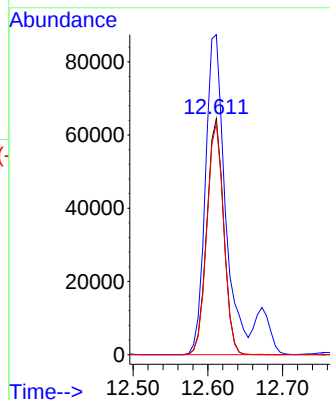
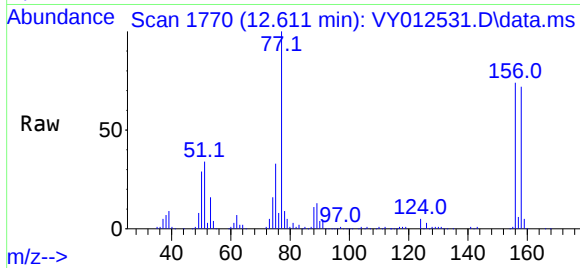




#77  
Bromobenzene  
Concen: 50.480 ug/l  
RT: 12.611 min Scan# 1769  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

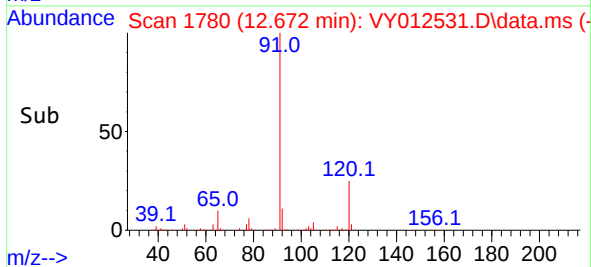
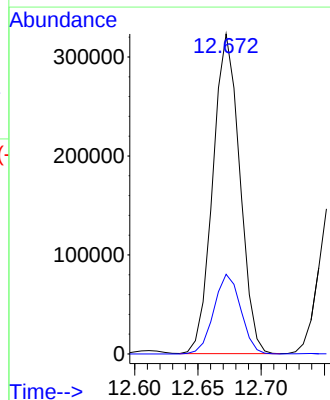
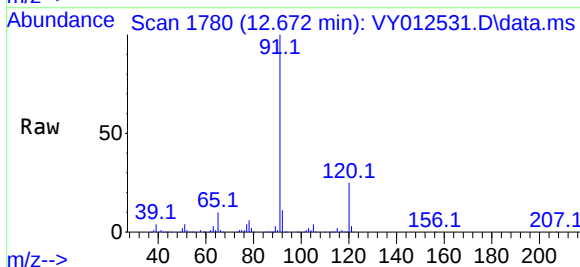
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

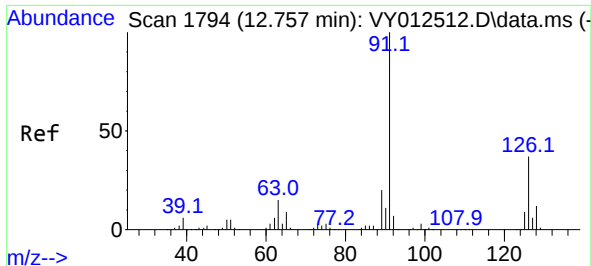
Tgt Ion:156 Resp: 100740  
Ion Ratio Lower Upper  
156 100  
77 159.0 80.6 241.8  
158 98.0 49.1 147.3



#78  
n-propylbenzene  
Concen: 50.398 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 91 Resp: 477610  
Ion Ratio Lower Upper  
91 100  
120 24.9 12.4 37.4

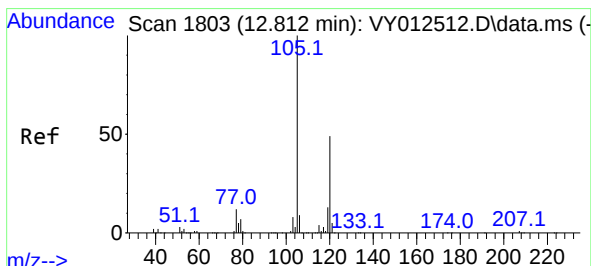
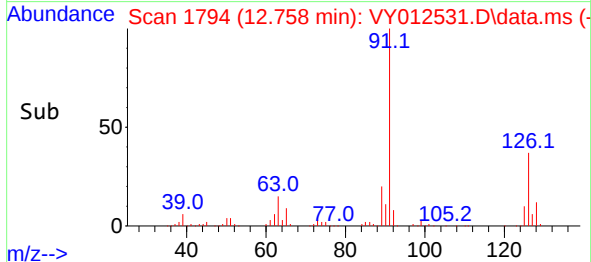
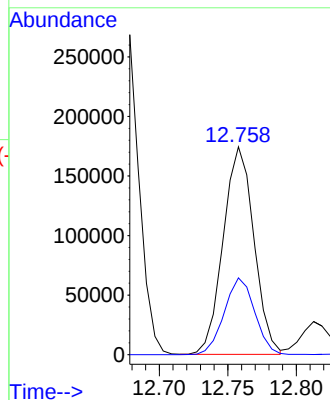
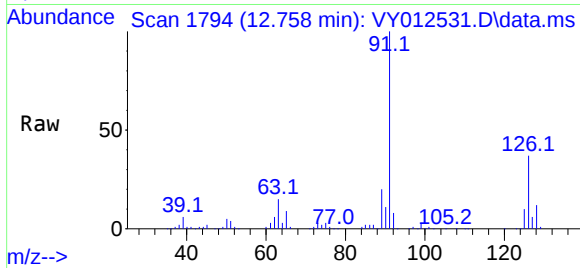




#79  
2-Chlorotoluene  
Concen: 50.639 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

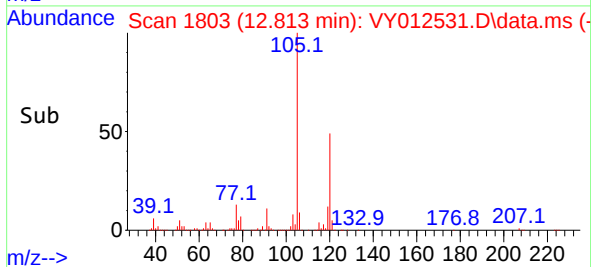
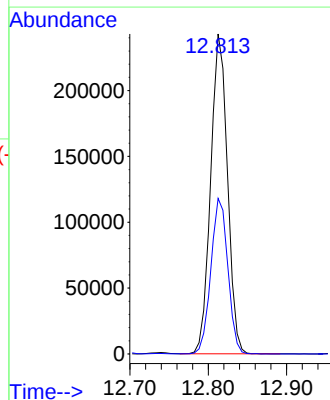
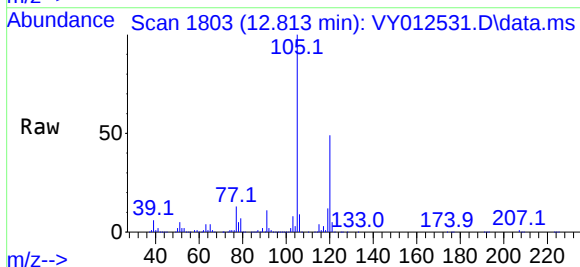
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

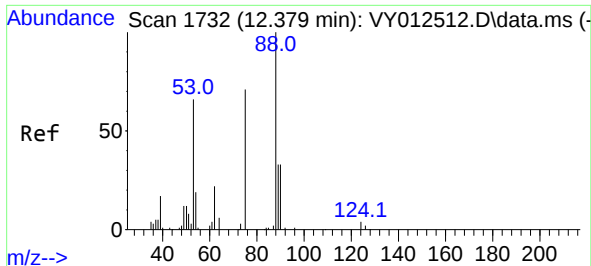
Tgt Ion: 91 Resp: 272427  
Ion Ratio Lower Upper  
91 100  
126 36.8 18.3 54.8



#80  
1,3,5-Trimethylbenzene  
Concen: 50.950 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 105 Resp: 361126  
Ion Ratio Lower Upper  
105 100  
120 49.1 24.6 74.0

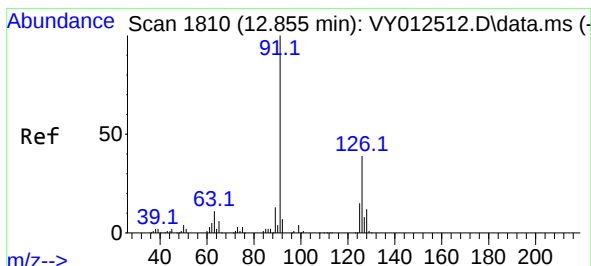
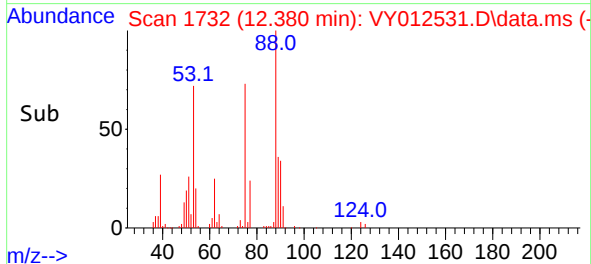
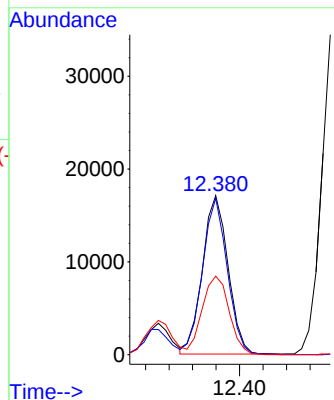
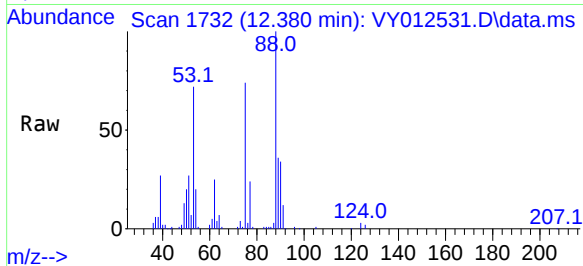




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.222 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

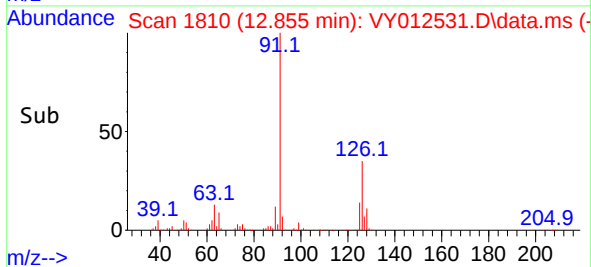
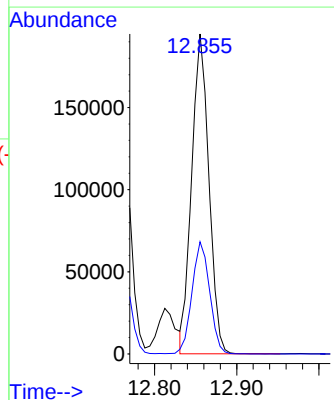
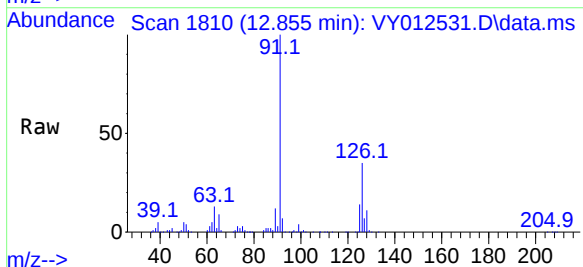
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

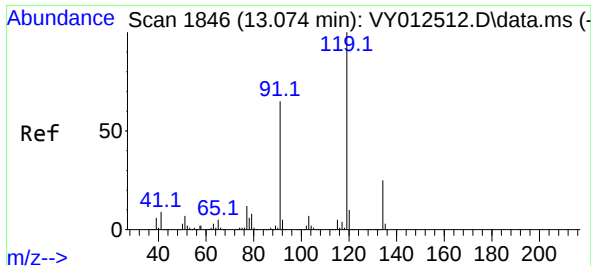
Tgt Ion: 75 Resp: 25826  
Ion Ratio Lower Upper  
75 100  
53 96.1 73.1 109.7  
89 51.9 39.9 59.9



#82  
4-Chlorotoluene  
Concen: 50.124 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 91 Resp: 282872  
Ion Ratio Lower Upper  
91 100  
126 36.1 18.1 54.3

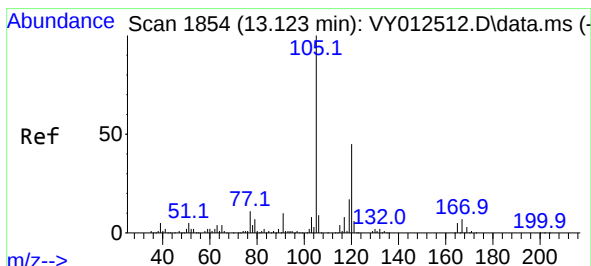
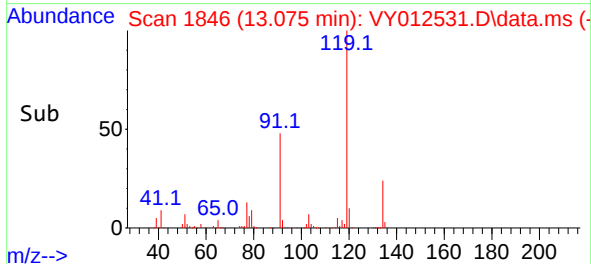
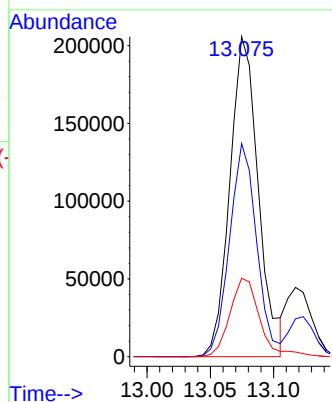
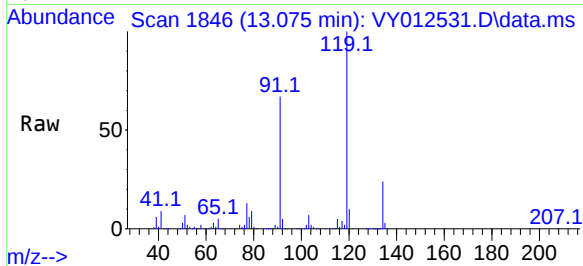




#83  
tert-Butylbenzene  
Concen: 52.009 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

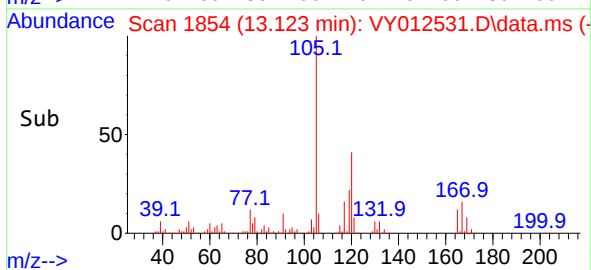
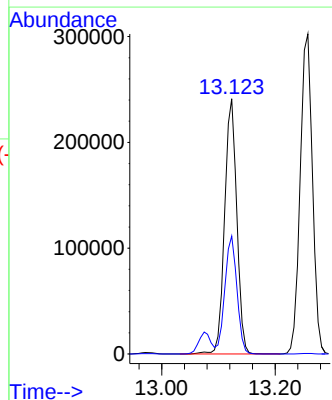
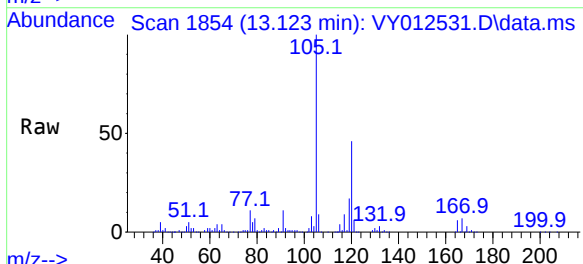
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

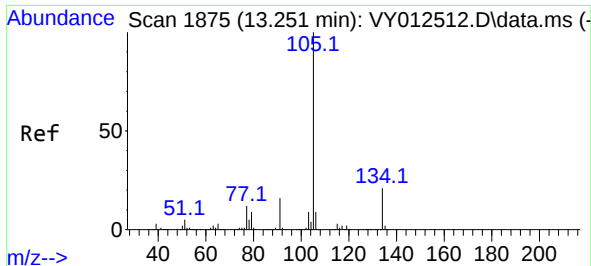
Tgt Ion:119 Resp: 323261  
Ion Ratio Lower Upper  
119 100  
91 63.4 33.0 99.0  
134 25.6 13.1 39.3



#84  
1,2,4-Trimethylbenzene  
Concen: 51.445 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:105 Resp: 358782  
Ion Ratio Lower Upper  
105 100  
120 45.9 22.8 68.3

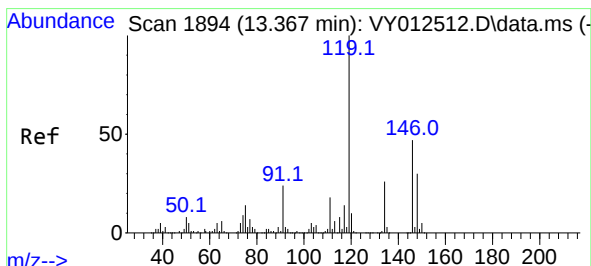
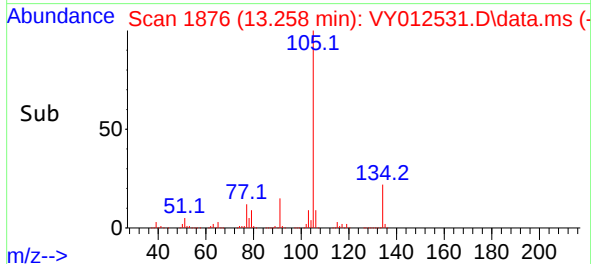
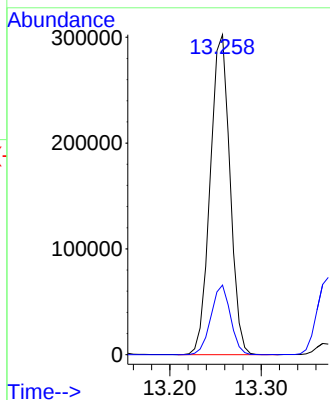
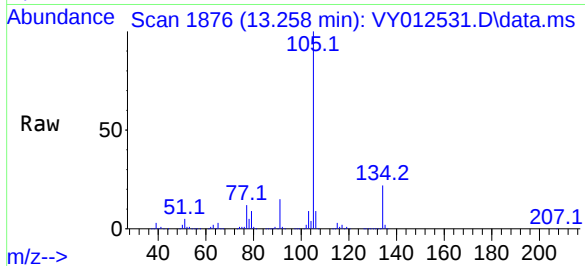




#85  
 sec-Butylbenzene  
 Concen: 50.975 ug/l  
 RT: 13.258 min Scan# 1875  
 Delta R.T. 0.006 min  
 Lab File: VY012531.D  
 Acq: 08 Feb 2023 10:09

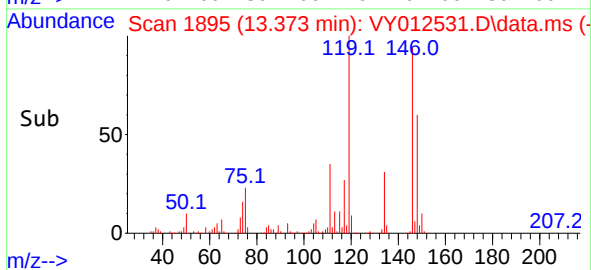
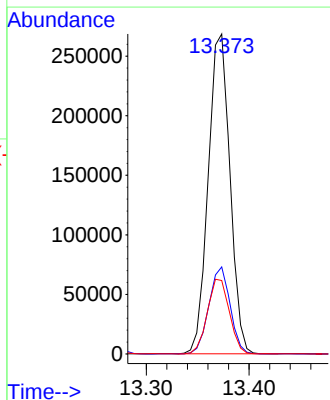
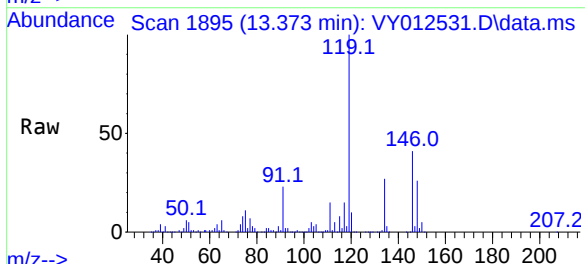
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

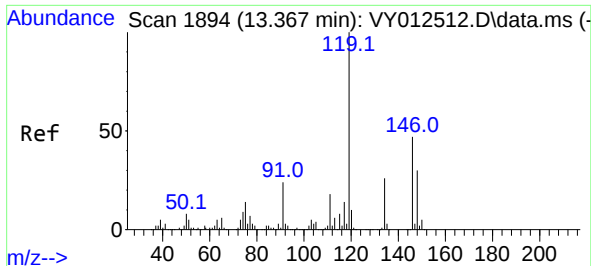
Tgt Ion:105 Resp: 453265  
 Ion Ratio Lower Upper  
 105 100  
 134 21.4 10.8 32.3



#86  
 p-Isopropyltoluene  
 Concen: 51.104 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. 0.006 min  
 Lab File: VY012531.D  
 Acq: 08 Feb 2023 10:09

Tgt Ion:119 Resp: 394213  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.4 40.1  
 91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 50.644 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

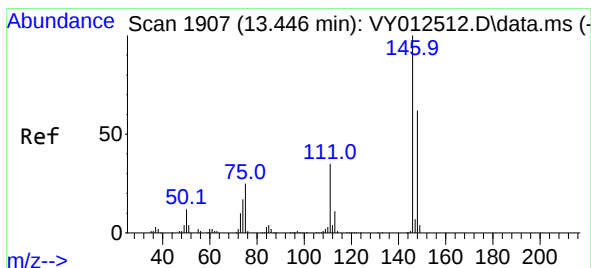
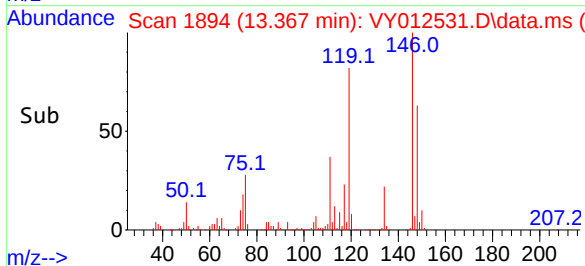
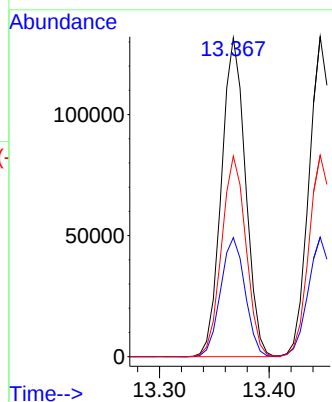
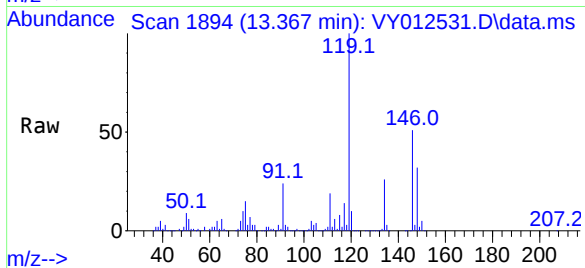
Tgt Ion:146 Resp: 201092

Ion Ratio Lower Upper

146 100

111 37.9 19.3 57.9

148 63.4 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 50.235 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY012531.D

Acq: 08 Feb 2023 10:09

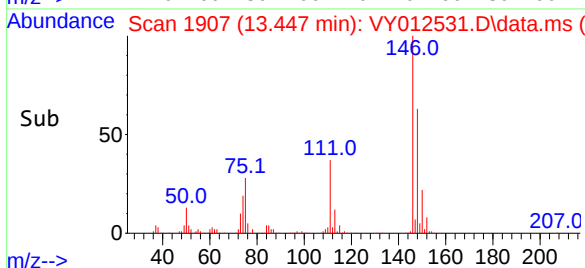
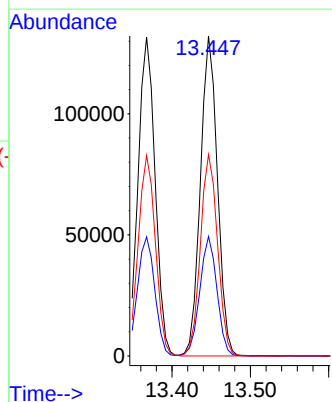
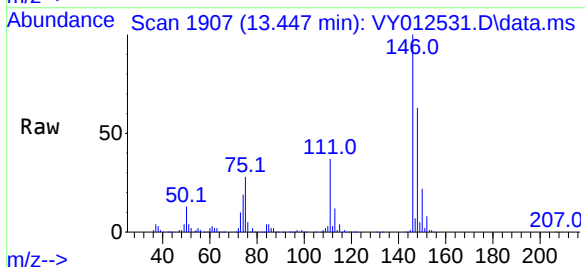
Tgt Ion:146 Resp: 199804

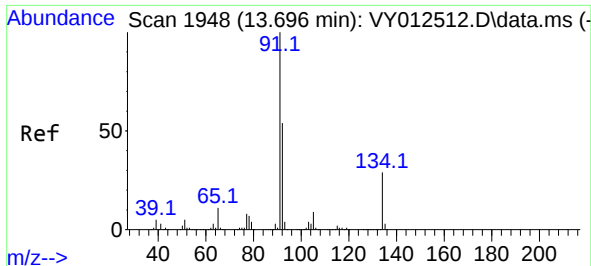
Ion Ratio Lower Upper

146 100

111 37.7 18.4 55.2

148 63.7 31.6 95.0

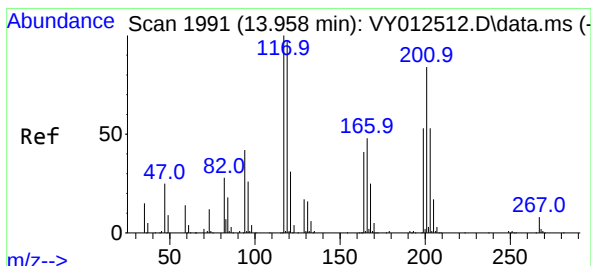
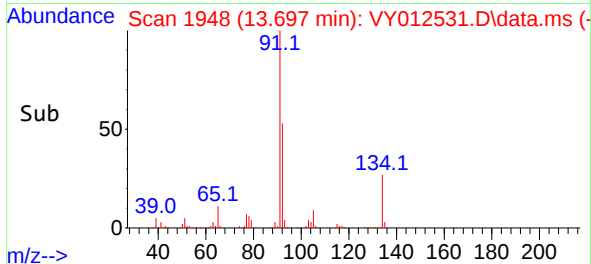
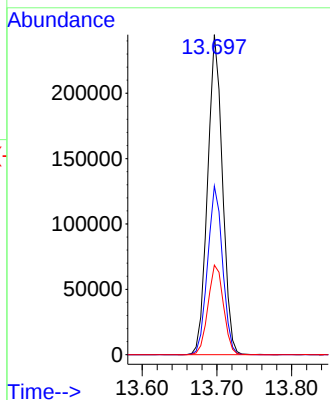
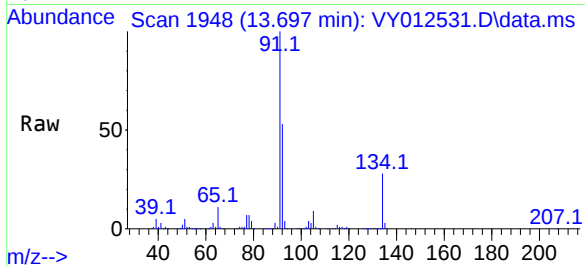




#89  
n-Butylbenzene  
Concen: 51.200 ug/l  
RT: 13.697 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

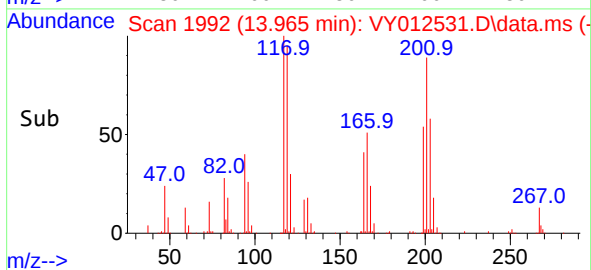
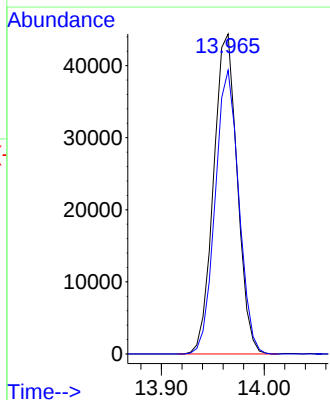
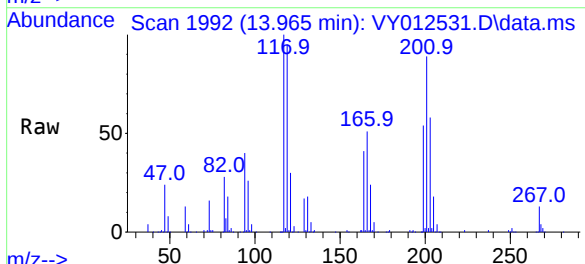
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

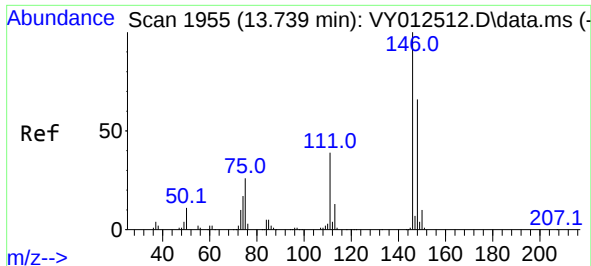
Tgt Ion: 91 Resp: 337548  
Ion Ratio Lower Upper  
91 100  
92 53.1 26.6 79.7  
134 29.3 14.5 43.5



#90  
Hexachloroethane  
Concen: 50.160 ug/l  
RT: 13.965 min Scan# 1992  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 117 Resp: 71021  
Ion Ratio Lower Upper  
117 100  
201 88.5 43.9 131.7

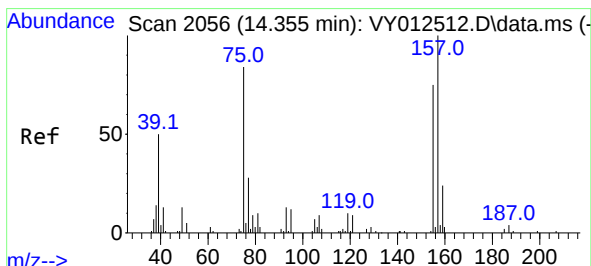
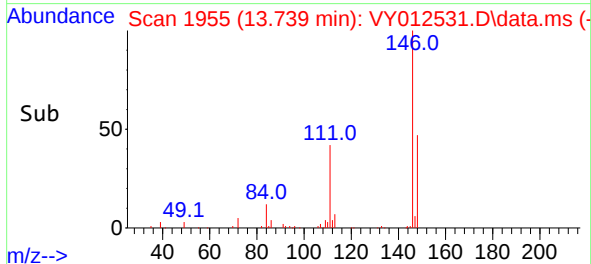
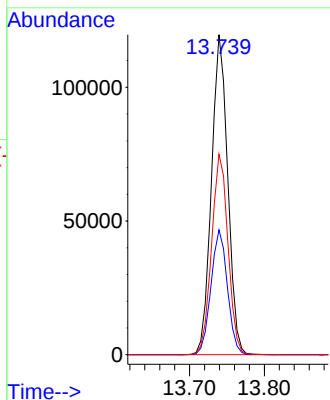
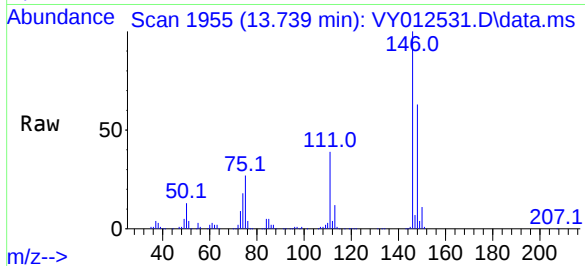




#91  
1,2-Dichlorobenzene  
Concen: 50.747 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

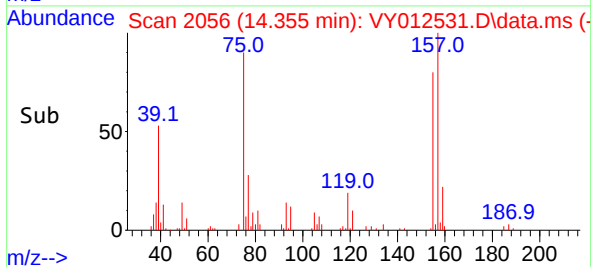
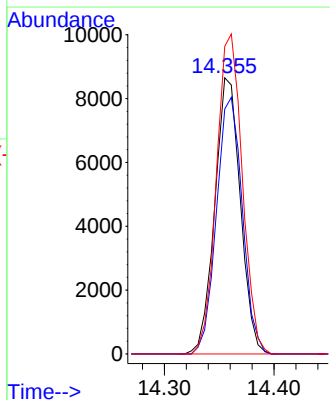
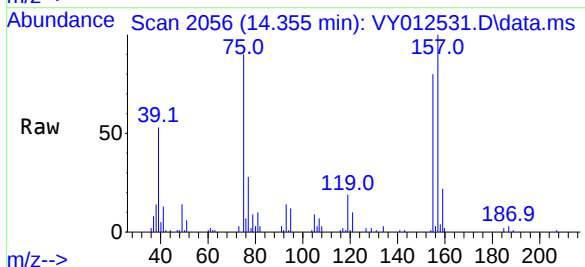
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

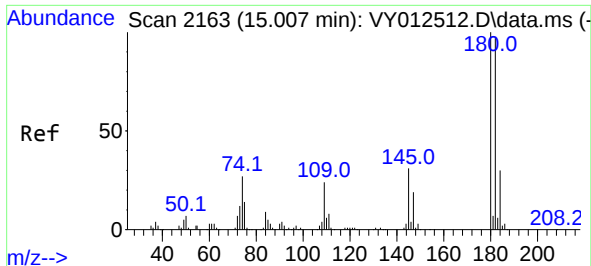
Tgt Ion:146 Resp: 181270  
Ion Ratio Lower Upper  
146 100  
111 39.3 19.7 59.1  
148 63.3 32.0 96.0



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 52.903 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion: 75 Resp: 14016  
Ion Ratio Lower Upper  
75 100  
155 93.9 46.5 139.3  
157 117.0 59.9 179.7

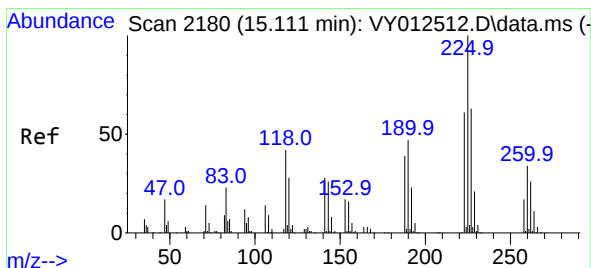
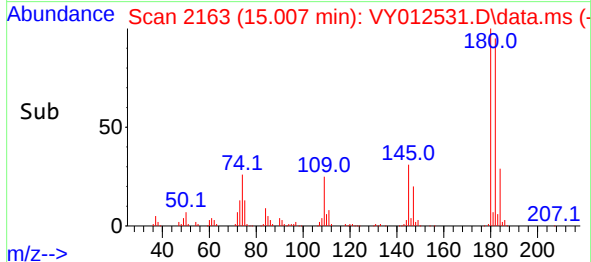
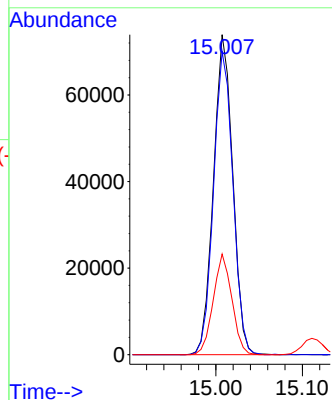
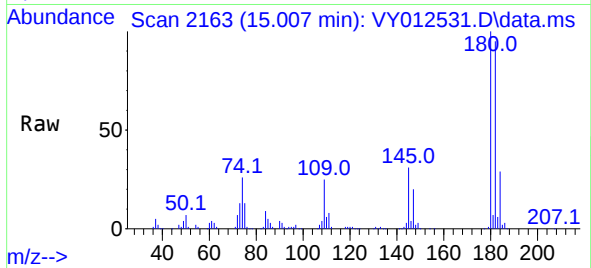




#93  
1,2,4-Trichlorobenzene  
Concen: 51.541 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

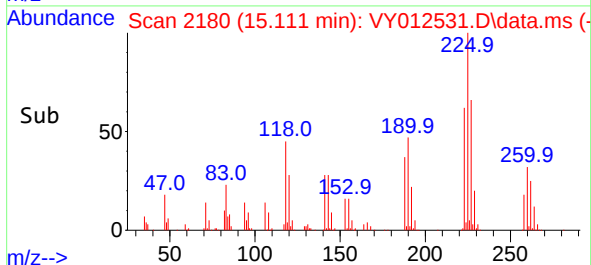
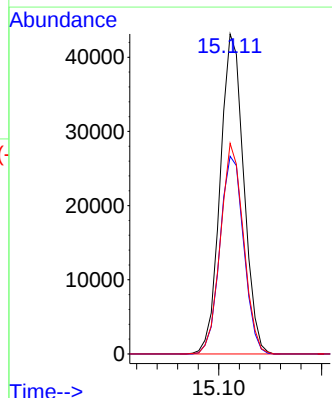
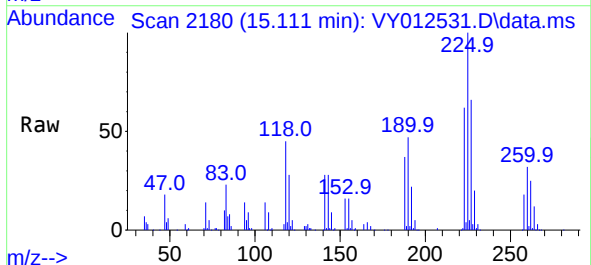
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

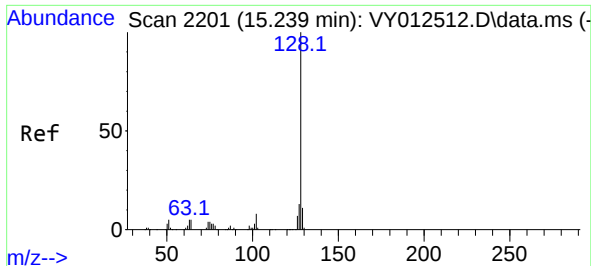
Tgt Ion:180 Resp: 114074  
Ion Ratio Lower Upper  
180 100  
182 95.4 47.7 143.1  
145 30.4 15.4 46.4



#94  
Hexachlorobutadiene  
Concen: 49.596 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:225 Resp: 68192  
Ion Ratio Lower Upper  
225 100  
223 62.5 31.1 93.3  
227 64.5 31.9 95.5

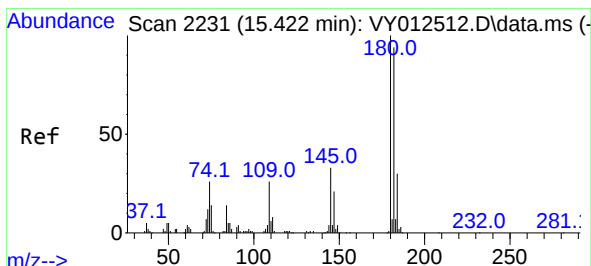
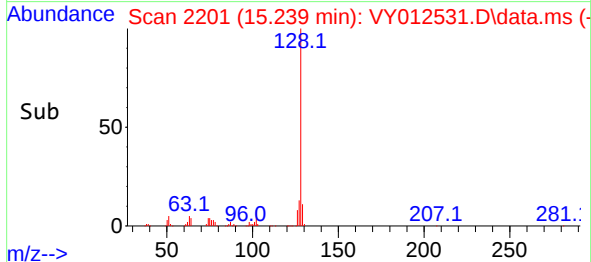
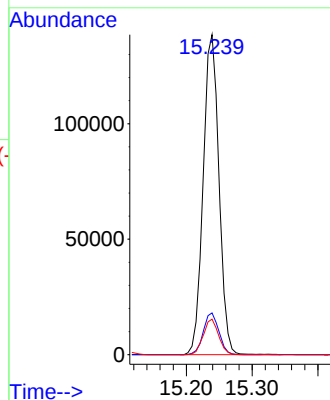
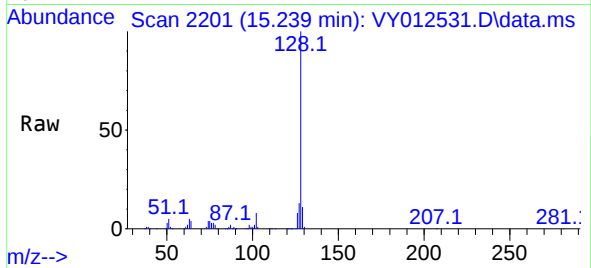




#95  
Naphthalene  
Concen: 54.536 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 231714  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.4 15.6  
129 10.8 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 51.686 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. 0.006 min  
Lab File: VY012531.D  
Acq: 08 Feb 2023 10:09

Tgt Ion:180 Resp: 99021  
Ion Ratio Lower Upper  
180 100  
182 94.0 47.4 142.2  
145 32.0 16.2 48.6

