

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042623\  
 Data File : VY013461.D  
 Acq On : 26 Apr 2023 09:51  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050

Quant Time: Apr 27 01:27:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 226150   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 340130   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 297881   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 145643   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142  | 65    | 122301   | 49.333   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.660%  |
| 35) Dibromofluoromethane     | 7.716  | 113   | 111831   | 52.275   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 104.560% |
| 50) Toluene-d8               | 10.179 | 98    | 384516   | 50.526   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 101.060% |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 129452   | 50.457   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 100.920% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 119561   | 55.610   | ug/l   | 98       |
| 3) Chloromethane             | 2.113  | 50    | 131839   | 45.747   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.253  | 62    | 129174   | 45.017   | ug/l   | 100      |
| 5) Bromomethane              | 2.656  | 94    | 102975   | 45.033   | ug/l   | 96       |
| 6) Chloroethane              | 2.796  | 64    | 85071    | 42.915   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 221393   | 50.931   | ug/l   | 94       |
| 8) Diethyl Ether             | 3.533  | 74    | 72525    | 48.994   | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 3.905  | 101   | 124193   | 50.935   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.094  | 142   | 155567   | 50.798   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.966  | 59    | 59207    | 212.135  | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 119025   | 50.642   | ug/l   | 92       |
| 13) Acrolein                 | 3.735  | 56    | 54945    | 253.792  | ug/l   | 93       |
| 14) Allyl chloride           | 4.478  | 41    | 213094   | 48.863   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.161  | 53    | 208123   | 251.048  | ug/l   | 99       |
| 16) Acetone                  | 3.948  | 43    | 268425   | 274.943  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.198  | 76    | 394614   | 51.687   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.484  | 43    | 154388   | 47.880   | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 343867   | 50.678   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 151059   | 49.273   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 136353   | 53.060   | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.118  | 45    | 451835   | 53.007   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.057  | 43    | 1380731  | 286.087  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.021  | 63    | 247730   | 52.146   | ug/l   | 99       |
| 25) 2-Butanone               | 6.990  | 43    | 329804   | 266.367  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 214396   | 52.372   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 149546   | 52.670   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.338  | 49    | 82427    | 48.893   | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 193447   | 250.993  | ug/l   | 92       |
| 30) Chloroform               | 7.508  | 83    | 258455   | 54.718   | ug/l   | 99       |
| 31) Cyclohexane              | 7.783  | 56    | 215812   | 48.621   | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.703  | 97    | 224375   | 53.233   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 193176   | 54.410   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.069  | 43    | 131057   | 49.052   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.905  | 117   | 208018   | 55.900   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185  | 83    | 228260   | 54.535   | ug/l   | 97       |
| 40) Benzene                  | 8.161  | 78    | 552560   | 55.250   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 27 01:27:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 179806   | 144.418  | ug/l # | 32       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 180914   | 55.331   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 228137   | 50.588   | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 144253   | 54.225   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 144890   | 55.409   | ug/l   | 100      |
| 46) Dibromomethane            | 9.307  | 93   | 85938    | 54.926   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.496  | 83   | 200979   | 57.406   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.288  | 41   | 111859   | 54.008   | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 23229    | 1039.521 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 645102   | 256.704  | ug/l   | 97       |
| 52) Toluene                   | 10.246 | 92   | 333739   | 55.454   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 198314   | 53.522   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 221438   | 53.112   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 112938   | 54.507   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 156225   | 54.347   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 189681   | 54.054   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 255800   | 237.308  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.831 | 43   | 507367   | 277.741  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.983 | 129  | 138281   | 54.963   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 107666   | 52.852   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 120366   | 53.139   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 354055   | 54.562   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 133942   | 55.192   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 630258   | 55.312   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 488628   | 112.802  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 229359   | 55.986   | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 390645   | 57.030   | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 90500    | 53.239   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 594824   | 53.997   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 202270   | 51.598   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 141441   | 52.530   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 182229   | 92.777   | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 146837   | 55.012   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.672 | 91   | 746656   | 55.028   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 415985   | 54.900   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 497436   | 55.325   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 49691    | 51.750   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 426171   | 53.963   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 420445   | 53.975   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 492223   | 56.309   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 637059   | 54.492   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 523388   | 55.671   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 278420   | 54.750   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 278734   | 54.261   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 505853   | 55.128   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.958 | 117  | 105967   | 53.555   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 254949   | 55.518   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 24593    | 51.716   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 156239   | 57.066   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 91532    | 57.445   | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 340443   | 57.310   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 143104   | 58.643   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

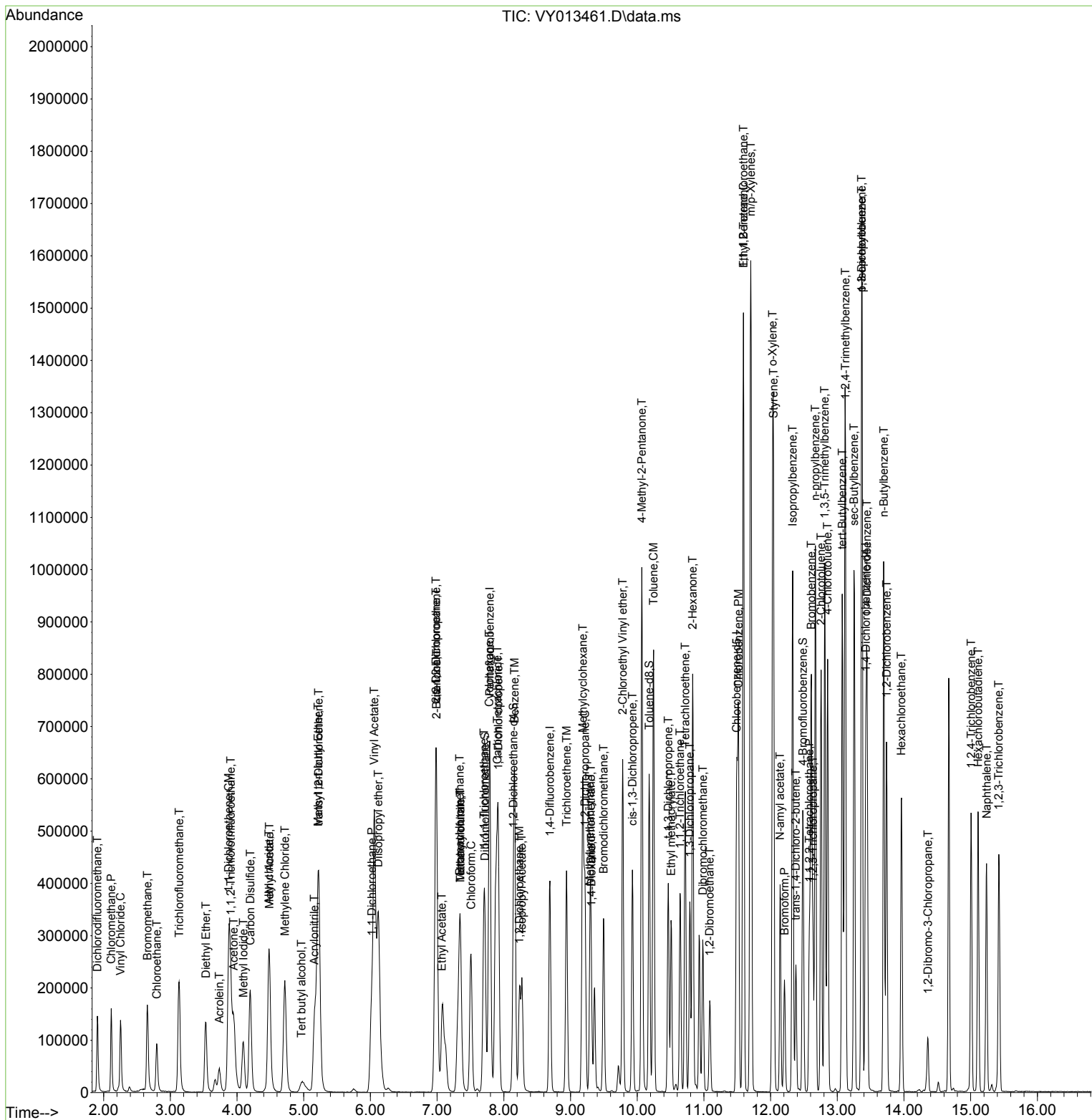
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

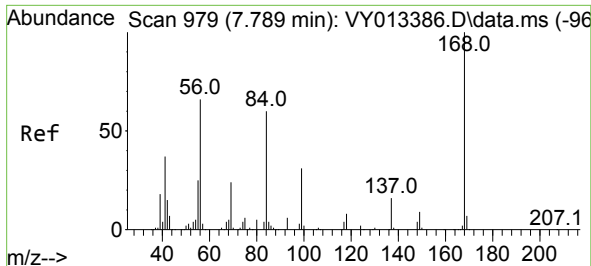
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
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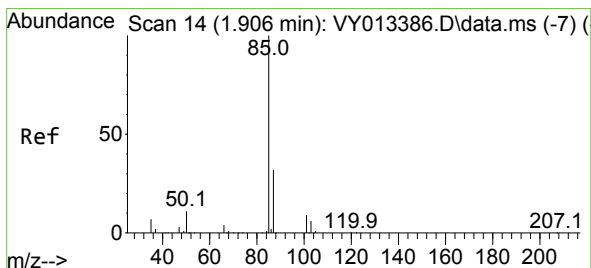
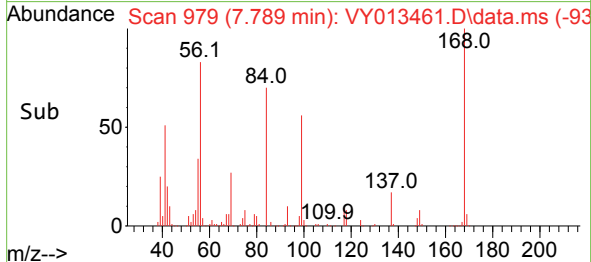
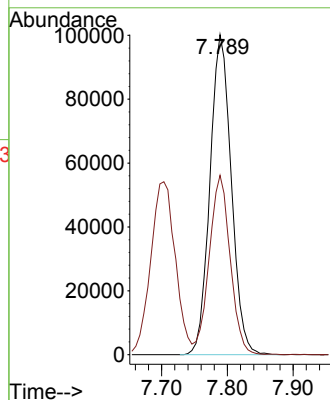
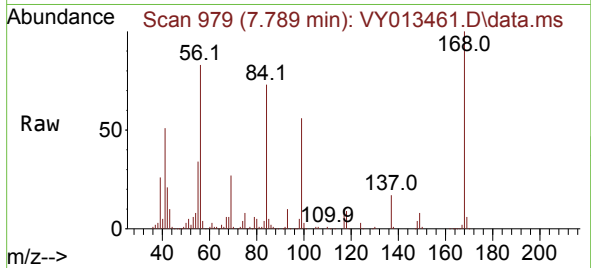




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

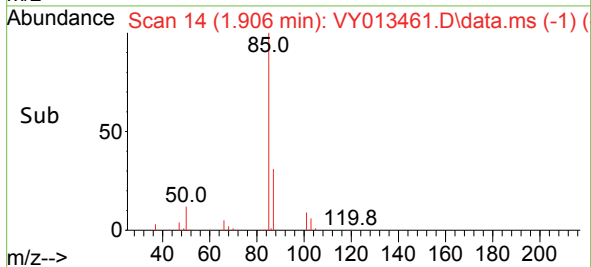
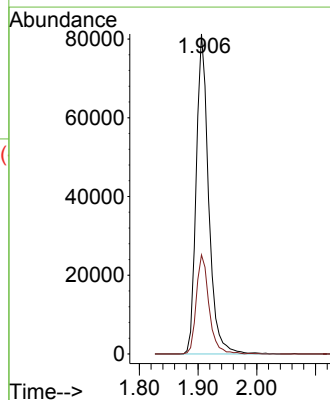
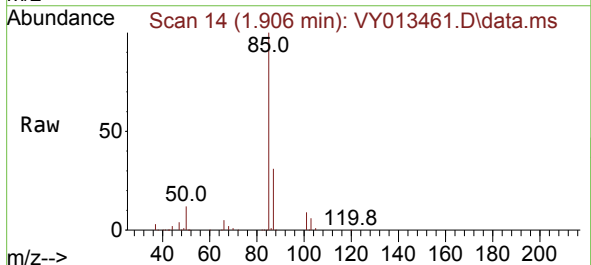
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

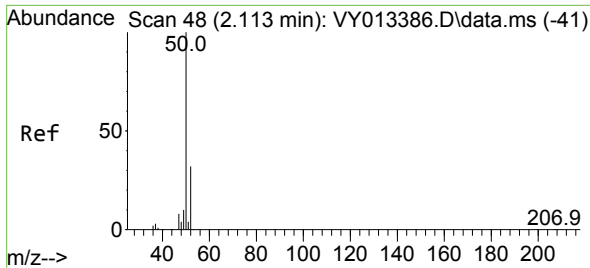
Tgt Ion:168 Resp: 226150  
Ion Ratio Lower Upper  
168 100  
99 56.0 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 55.610 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 85 Resp: 119561  
Ion Ratio Lower Upper  
85 100  
87 30.9 16.1 48.2

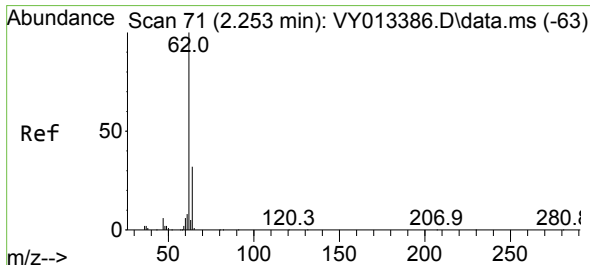
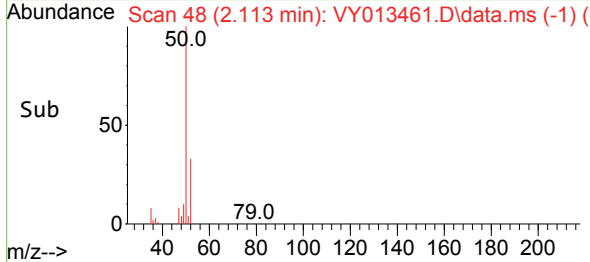
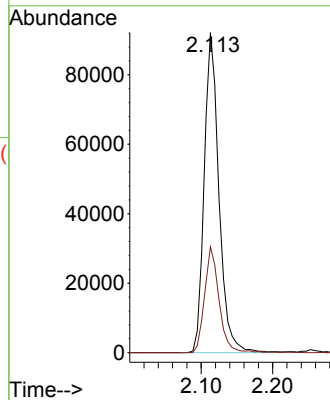
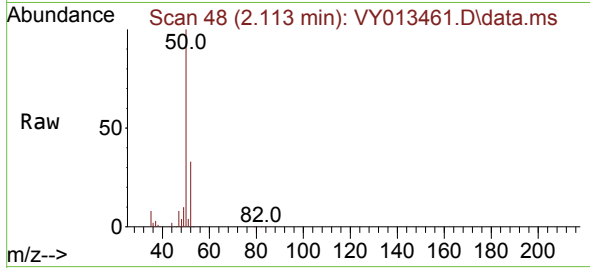




#3  
Chloromethane  
Concen: 45.747 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

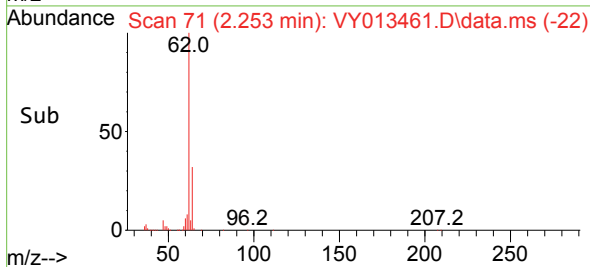
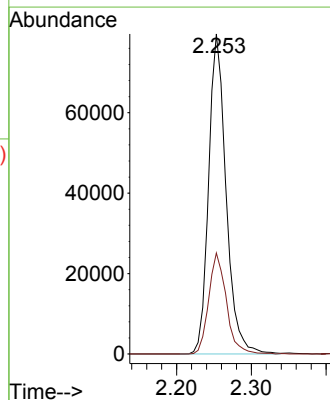
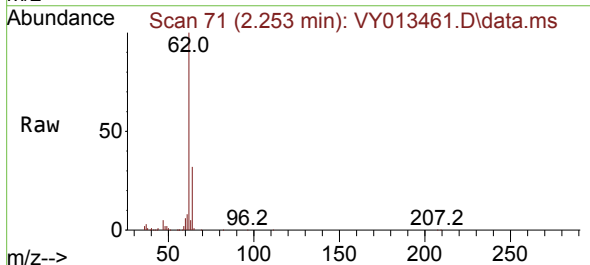
Instrument :  
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ClientSampleId :  
VSTDCCC050

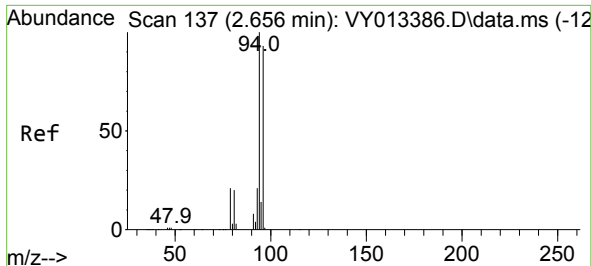
Tgt Ion: 50 Resp: 131839  
Ion Ratio Lower Upper  
50 100  
52 33.1 25.9 38.9



#4  
Vinyl Chloride  
Concen: 45.017 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 62 Resp: 129174  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.4 38.0

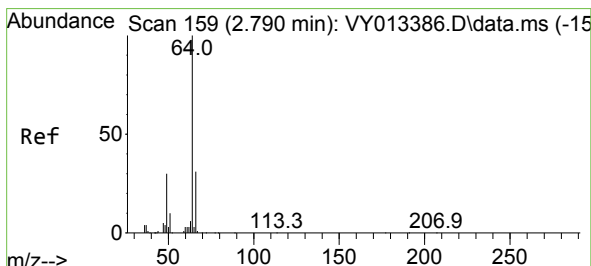
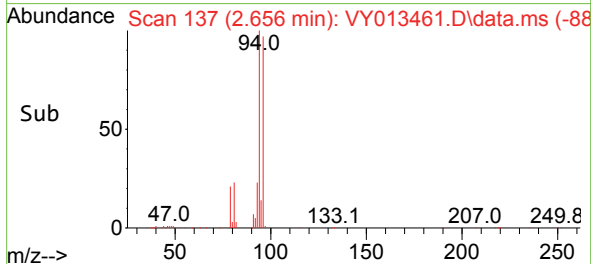
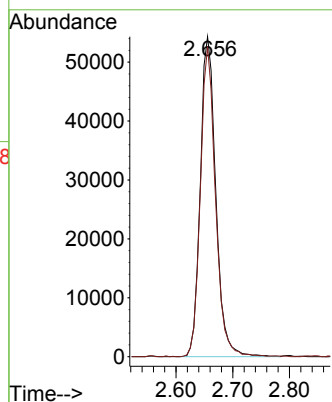
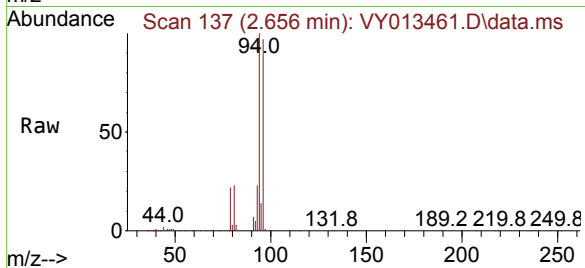




#5  
Bromomethane  
Concen: 45.033 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

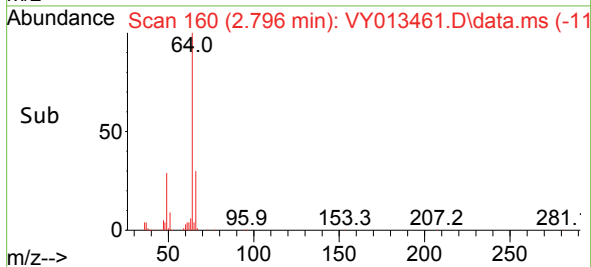
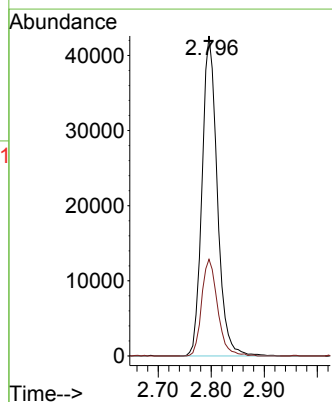
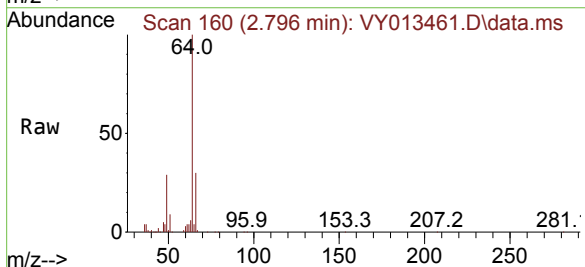
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

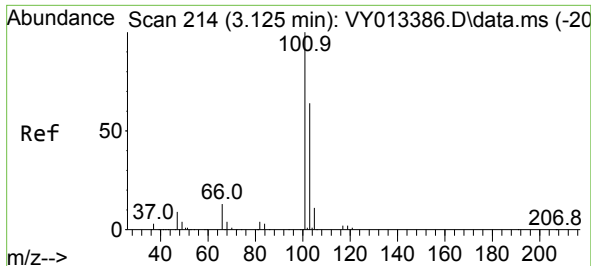
Tgt Ion: 94 Resp: 102975  
Ion Ratio Lower Upper  
94 100  
96 96.9 74.2 111.2



#6  
Chloroethane  
Concen: 42.915 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 64 Resp: 85071  
Ion Ratio Lower Upper  
64 100  
66 30.2 24.6 37.0

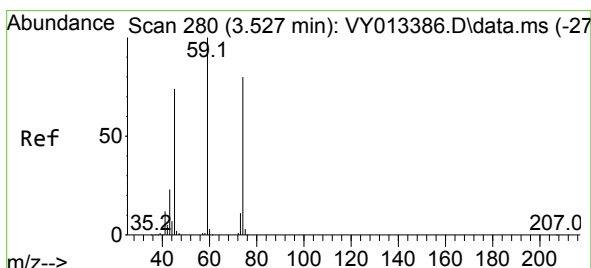
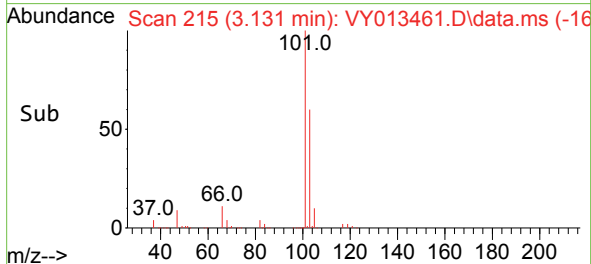
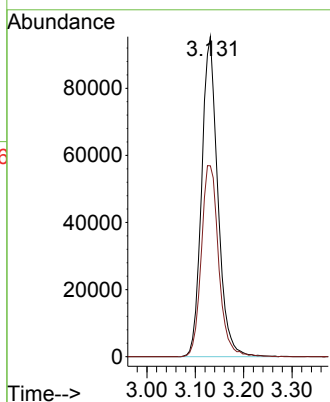
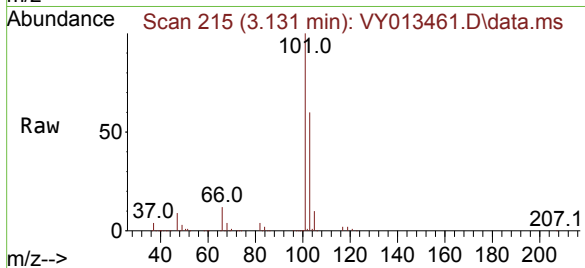




#7  
 Trichlorofluoromethane  
 Concen: 50.931 ug/l  
 RT: 3.131 min Scan# 214  
 Delta R.T. 0.006 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

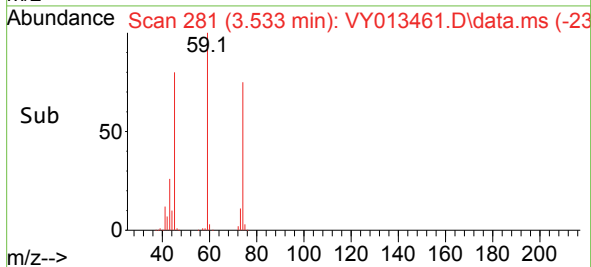
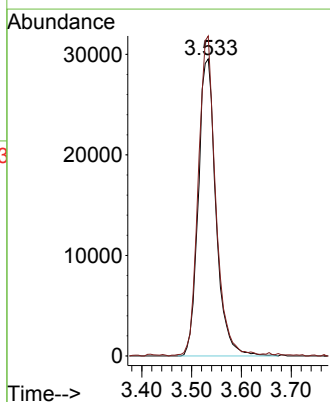
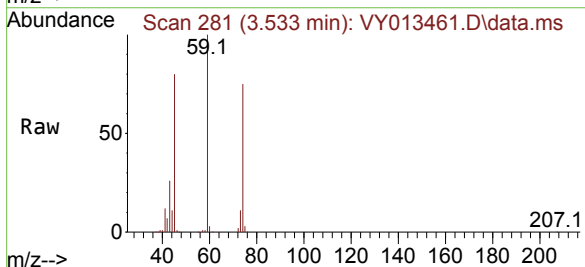
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

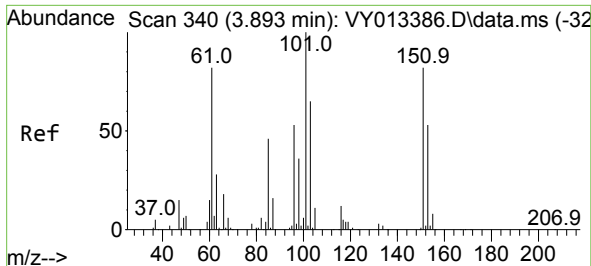
Tgt Ion:101 Resp: 221393  
 Ion Ratio Lower Upper  
 101 100  
 103 59.7 51.6 77.4



#8  
 Diethyl Ether  
 Concen: 48.994 ug/l  
 RT: 3.533 min Scan# 281  
 Delta R.T. 0.006 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

Tgt Ion: 74 Resp: 72525  
 Ion Ratio Lower Upper  
 74 100  
 45 106.5 48.2 144.6

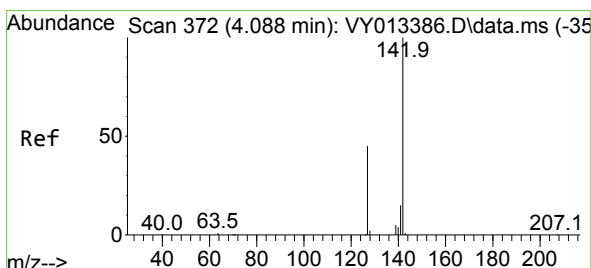
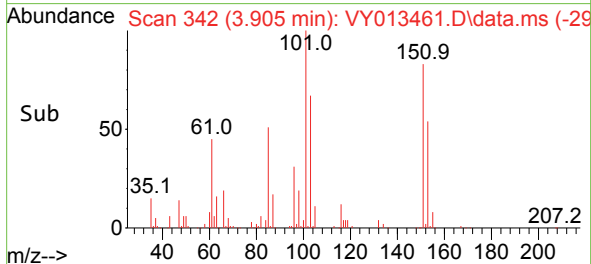
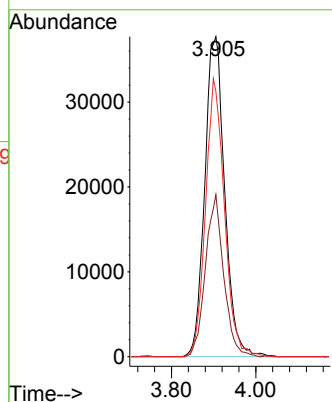
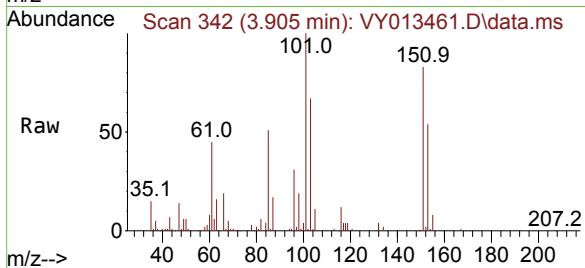




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.935 ug/l  
RT: 3.905 min Scan# 341  
Delta R.T. 0.012 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

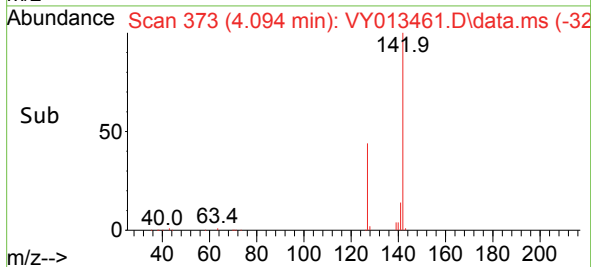
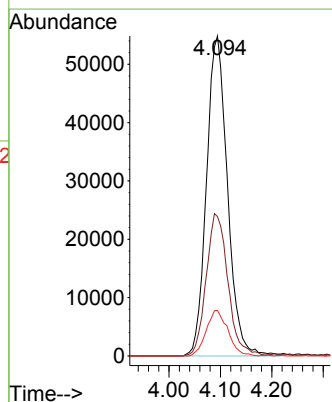
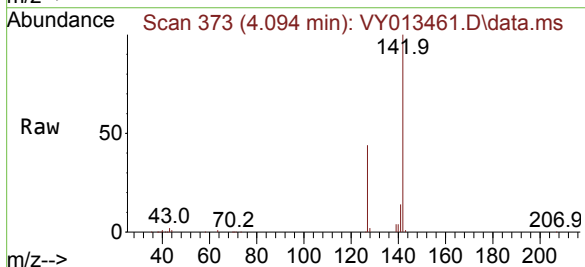
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

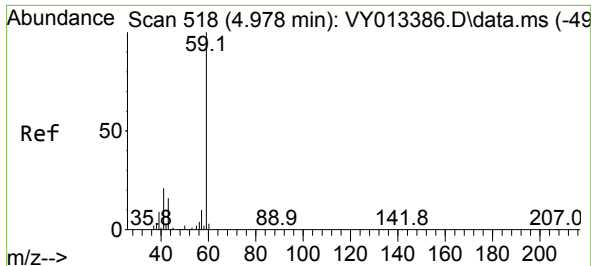
Tgt Ion:101 Resp: 124193  
Ion Ratio Lower Upper  
101 100  
85 46.4 35.6 53.4  
151 82.3 68.0 102.0



#10  
Methyl Iodide  
Concen: 50.798 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion:142 Resp: 155567  
Ion Ratio Lower Upper  
142 100  
127 46.1 36.1 54.1  
141 14.7 11.6 17.4

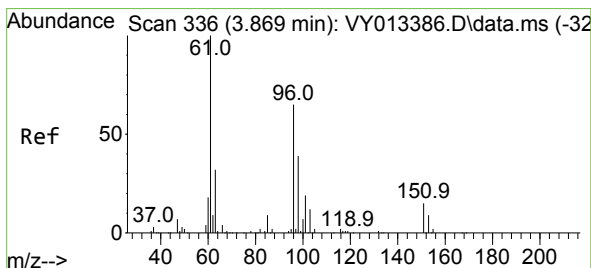
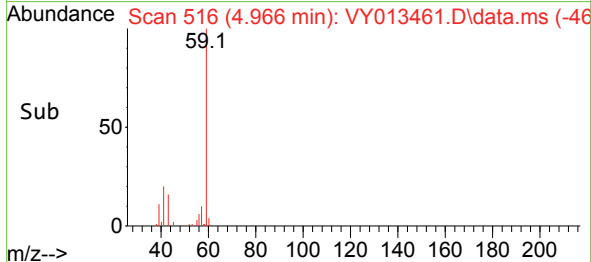
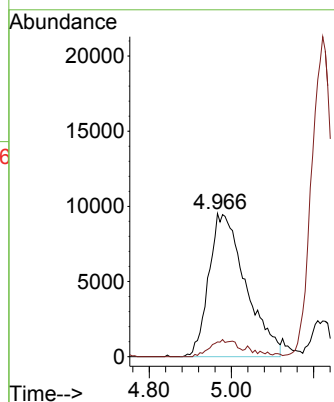
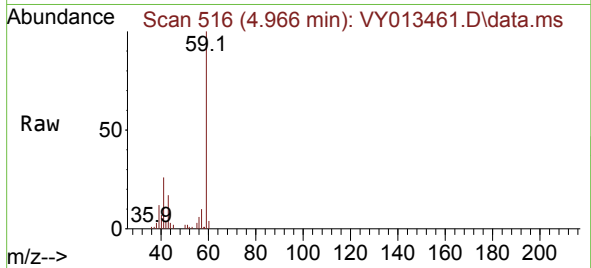




#11  
Tert butyl alcohol  
Concen: 212.135 ug/l  
RT: 4.966 min Scan# 518  
Delta R.T. -0.012 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

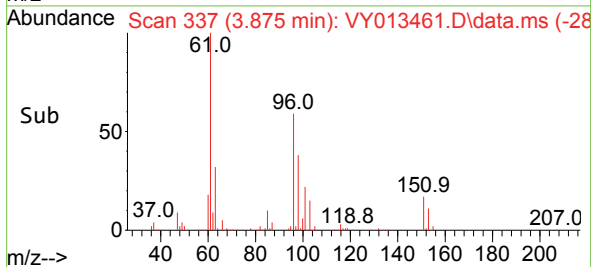
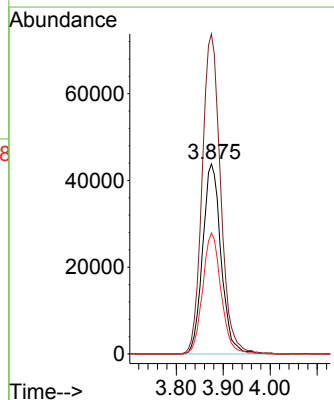
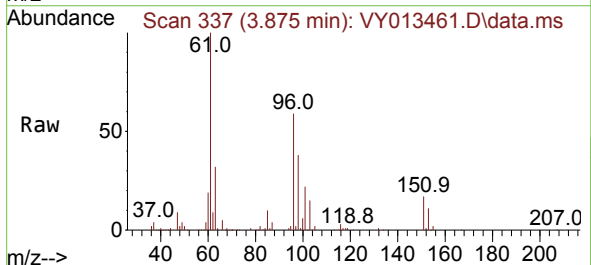
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

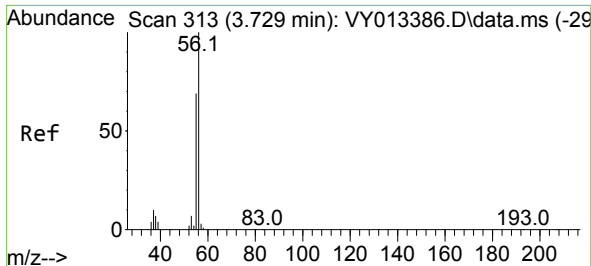
Tgt Ion: 59 Resp: 59207  
Ion Ratio Lower Upper  
59 100  
57 5.5 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 50.642 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 96 Resp: 119025  
Ion Ratio Lower Upper  
96 100  
61 168.4 123.9 185.9  
98 63.6 48.9 73.3





#13

Acrolein

Concen: 253.792 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

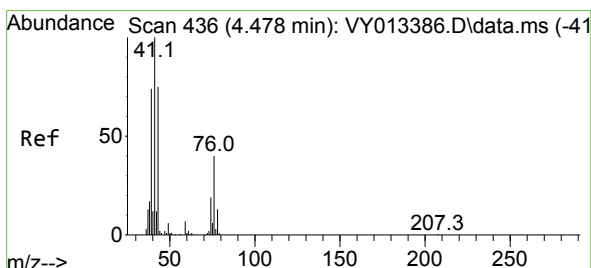
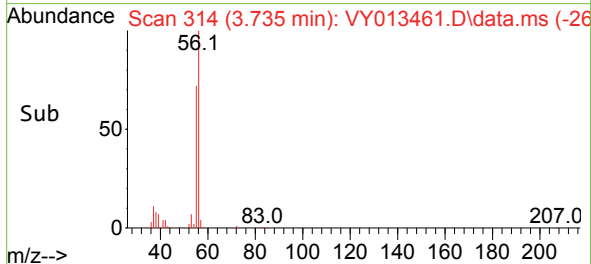
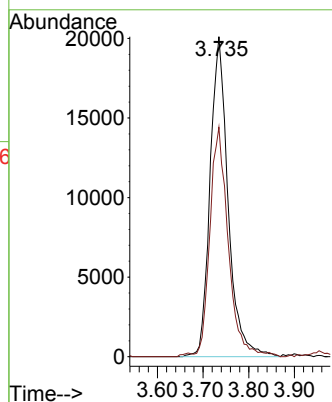
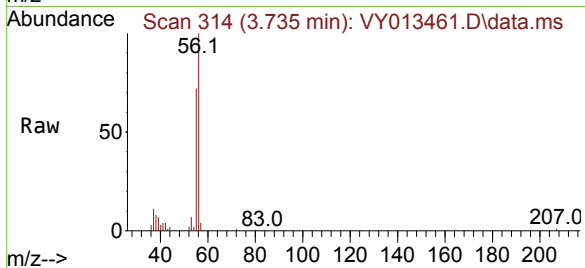
VSTDCCC050

Tgt Ion: 56 Resp: 54945

Ion Ratio Lower Upper

56 100

55 73.0 54.1 81.1



#14

Allyl chloride

Concen: 48.863 ug/l

RT: 4.478 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

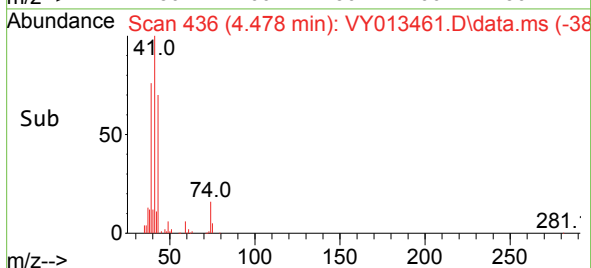
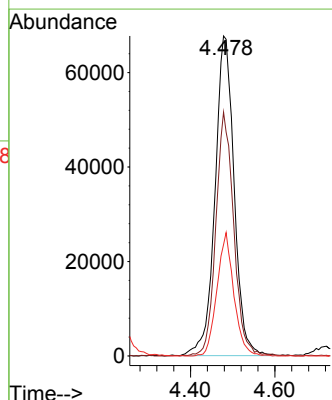
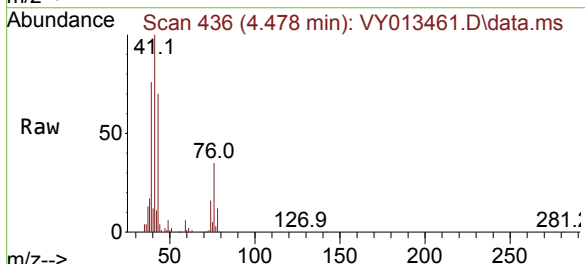
Tgt Ion: 41 Resp: 213094

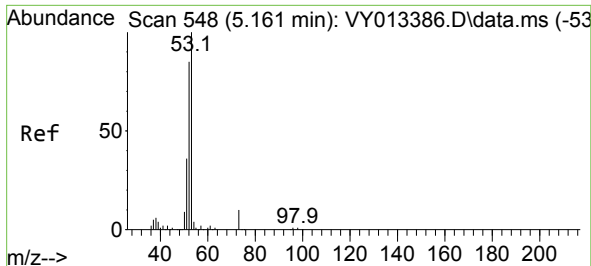
Ion Ratio Lower Upper

41 100

39 71.1 56.6 85.0

76 34.1 30.5 45.7

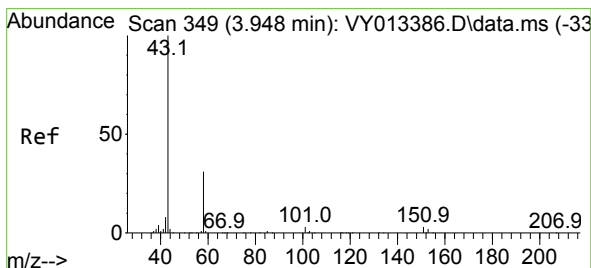
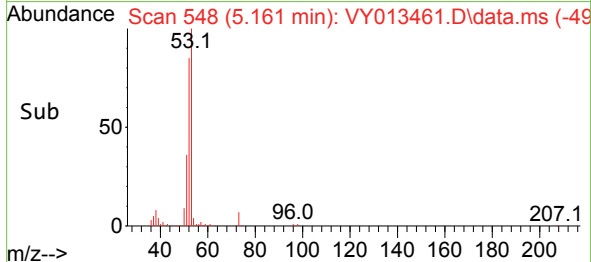
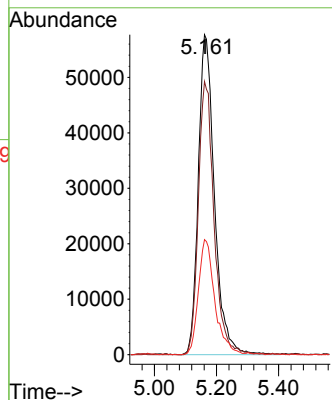
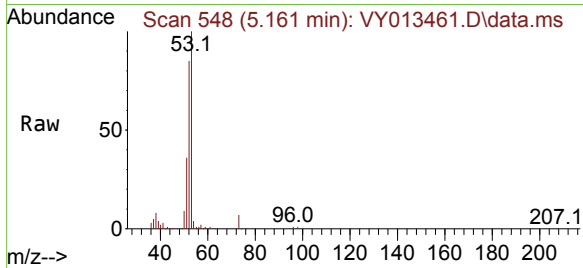




#15  
Acrylonitrile  
Concen: 251.048 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

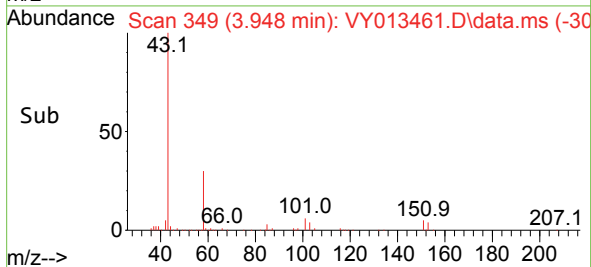
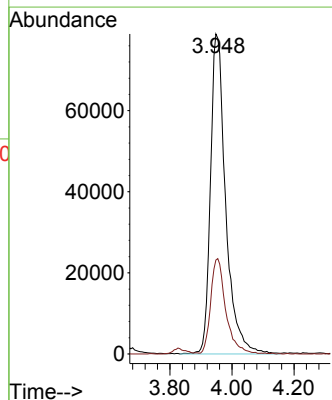
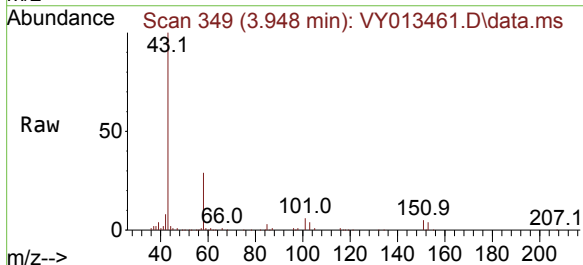
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

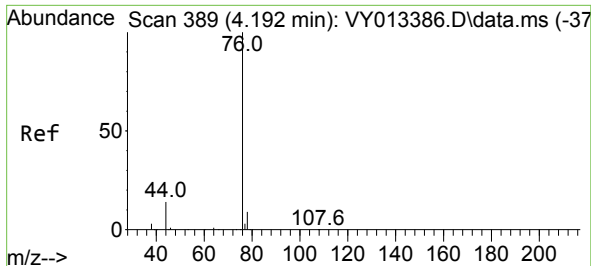
Tgt Ion: 53 Resp: 208123  
Ion Ratio Lower Upper  
53 100  
52 83.1 65.4 98.0  
51 36.8 29.3 43.9



#16  
Acetone  
Concen: 274.943 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 43 Resp: 268425  
Ion Ratio Lower Upper  
43 100  
58 29.3 25.4 38.0

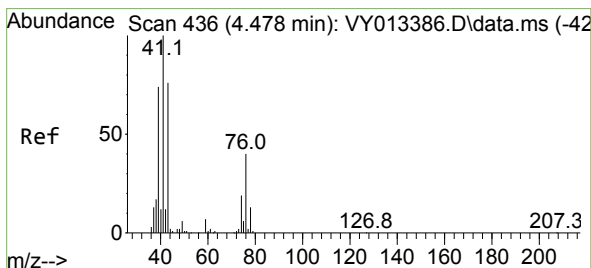
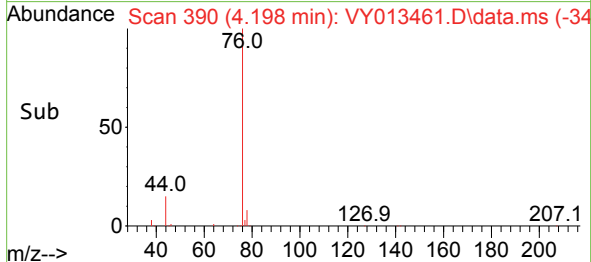
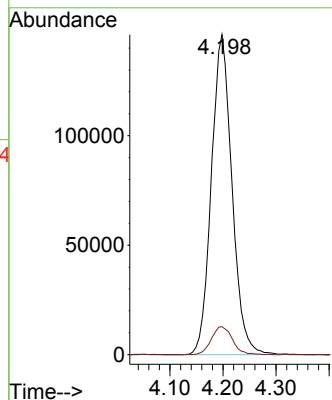
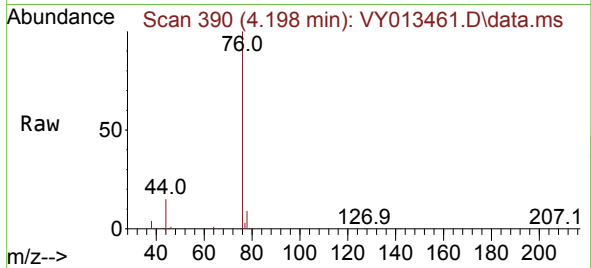




#17  
Carbon Disulfide  
Concen: 51.687 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

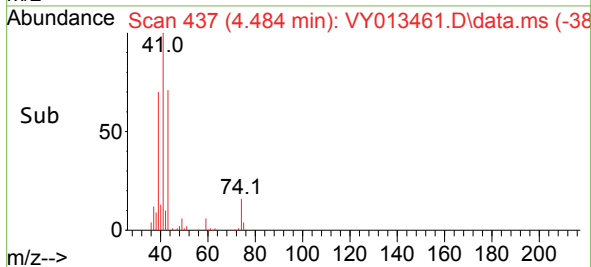
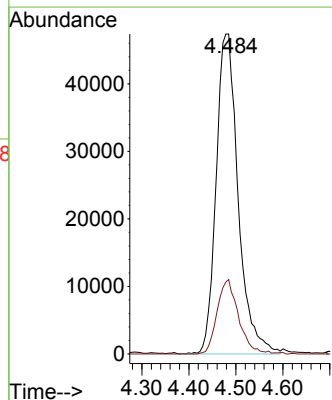
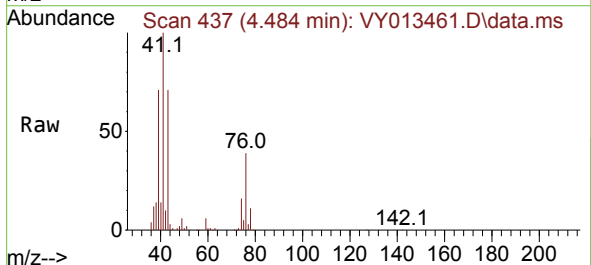
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

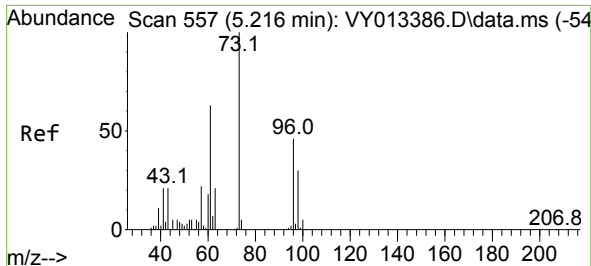
Tgt Ion: 76 Resp: 394614  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.2 10.8



#18  
Methyl Acetate  
Concen: 47.880 ug/l  
RT: 4.484 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 43 Resp: 154388  
Ion Ratio Lower Upper  
43 100  
74 22.6 19.4 29.2

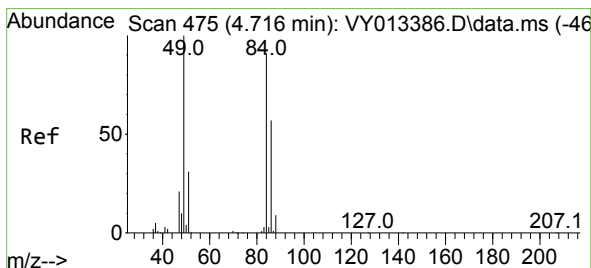
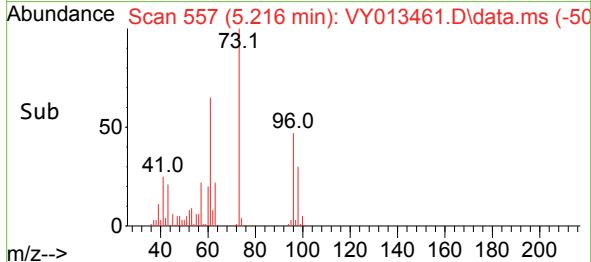
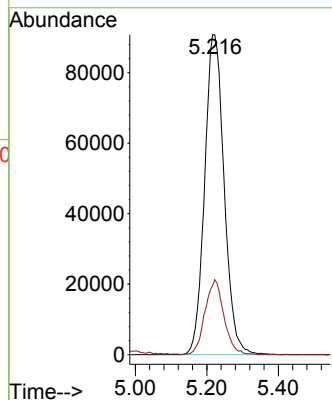
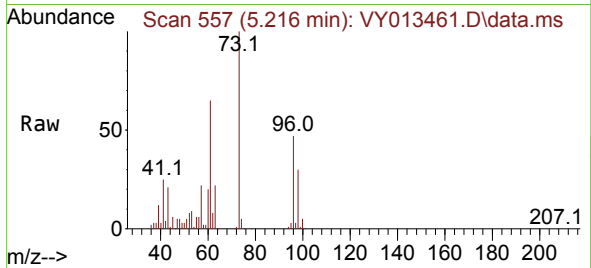




#19  
Methyl tert-butyl Ether  
Concen: 50.678 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

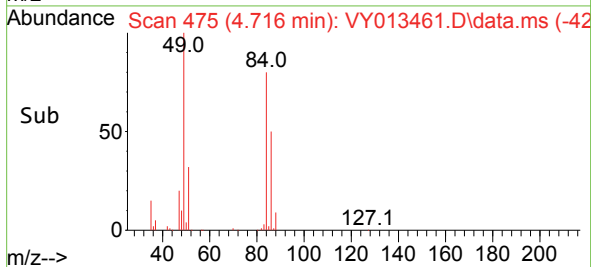
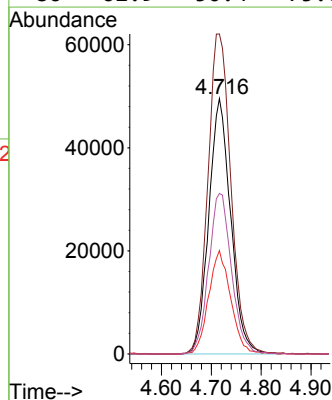
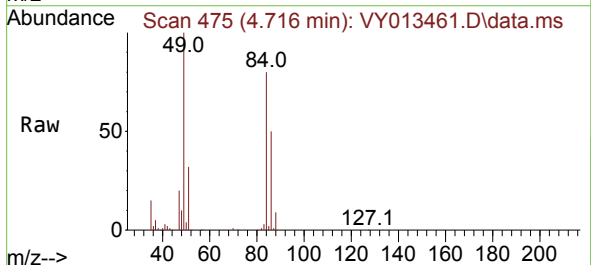
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

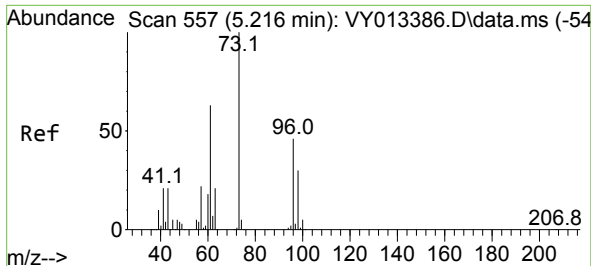
Tgt Ion: 73 Resp: 343867  
Ion Ratio Lower Upper  
73 100  
57 21.6 17.8 26.8



#20  
Methylene Chloride  
Concen: 49.273 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 84 Resp: 151059  
Ion Ratio Lower Upper  
84 100  
49 125.3 88.0 132.0  
51 40.5 27.4 41.0  
86 62.9 50.4 75.6

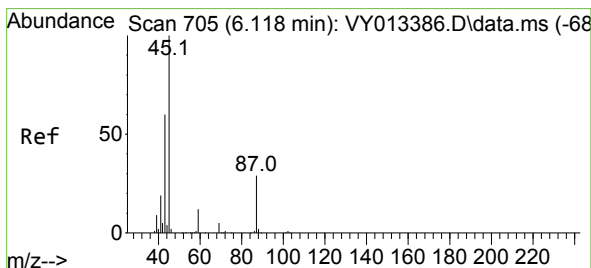
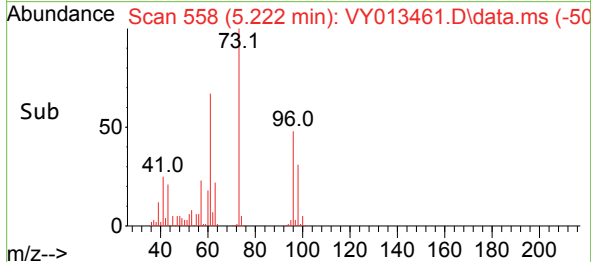
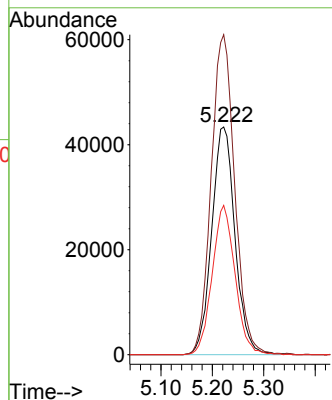
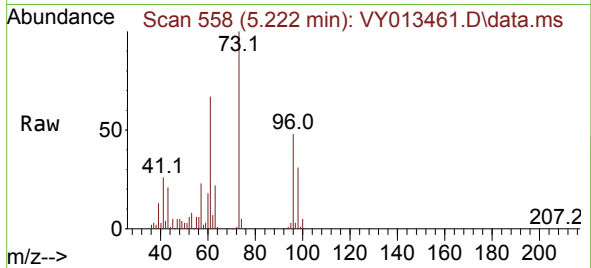




#21  
trans-1,2-Dichloroethene  
Concen: 53.060 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

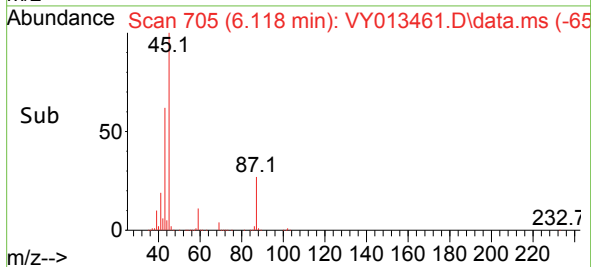
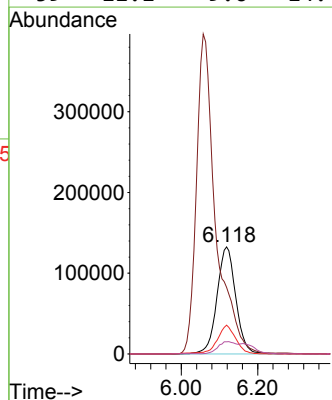
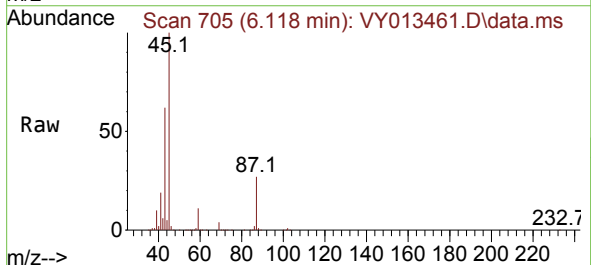
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

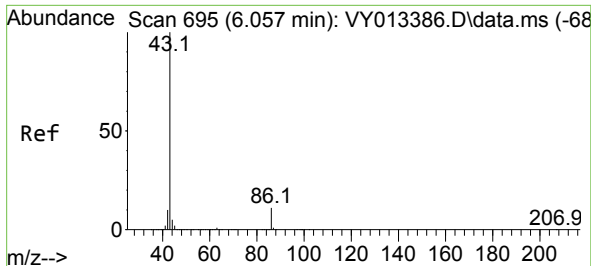
Tgt Ion: 96 Resp: 136353  
Ion Ratio Lower Upper  
96 100  
61 140.5 110.6 165.8  
98 65.6 53.1 79.7



#22  
Diisopropyl ether  
Concen: 53.007 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 45 Resp: 451835  
Ion Ratio Lower Upper  
45 100  
43 61.8 48.4 72.6  
87 26.9 23.8 35.6  
59 11.1 9.6 14.4

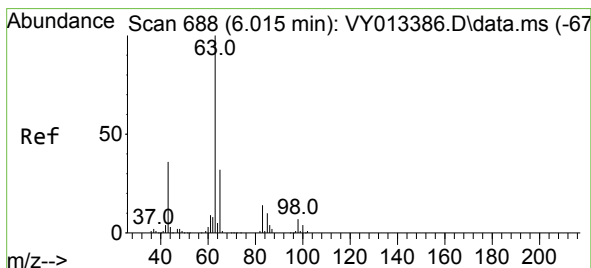
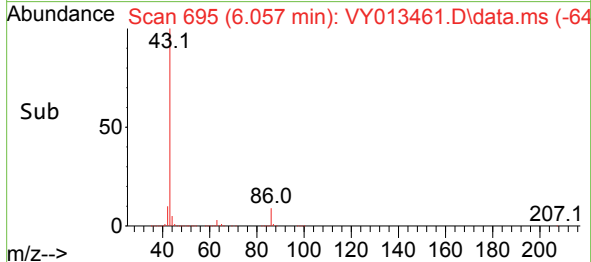
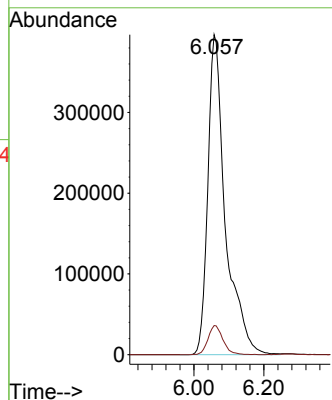
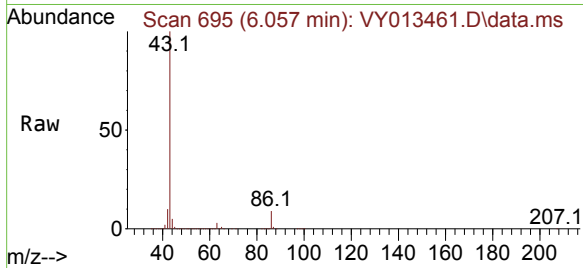




#23  
 Vinyl Acetate  
 Concen: 286.087 ug/l  
 RT: 6.057 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

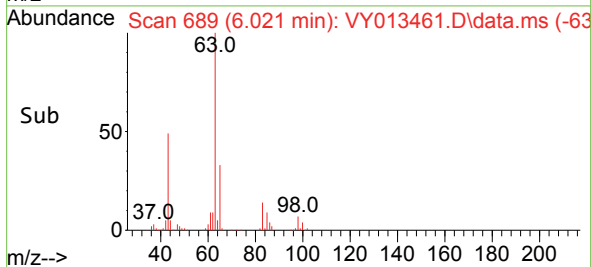
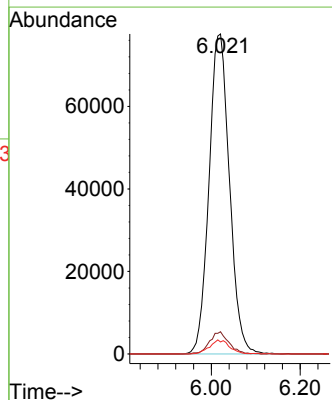
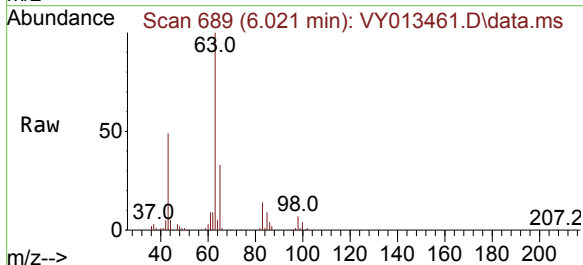
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

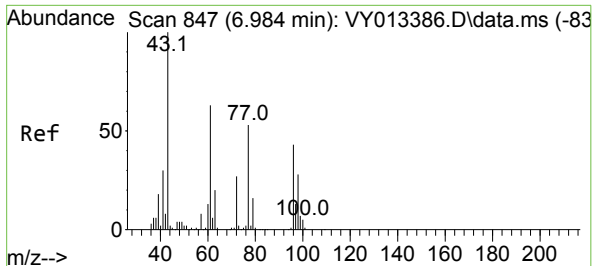
Tgt Ion: 43 Resp: 1380731  
 Ion Ratio Lower Upper  
 43 100  
 86 9.1 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 52.146 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

Tgt Ion: 63 Resp: 247730  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.6  
 100 3.7 2.2 6.6





#25

2-Butanone

Concen: 266.367 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

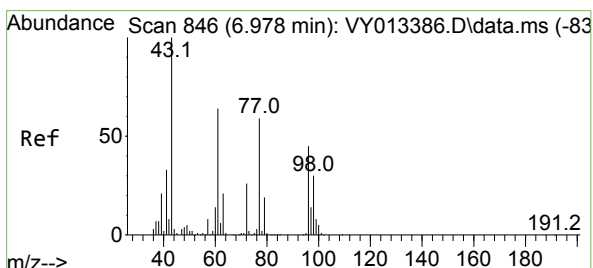
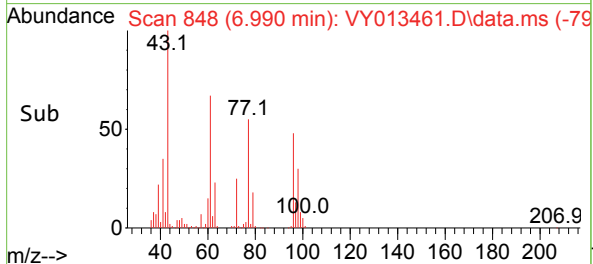
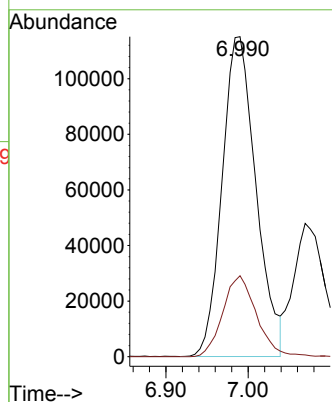
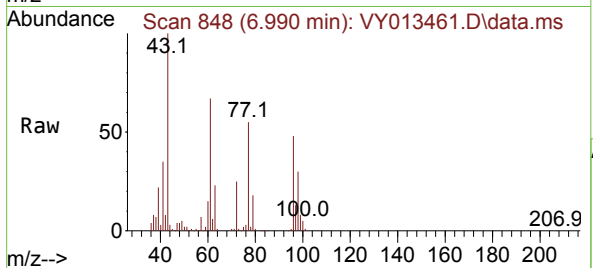
VSTDCCC050

Tgt Ion: 43 Resp: 329804

Ion Ratio Lower Upper

43 100

72 25.3 21.9 32.9



#26

2,2-Dichloropropane

Concen: 52.372 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013461.D

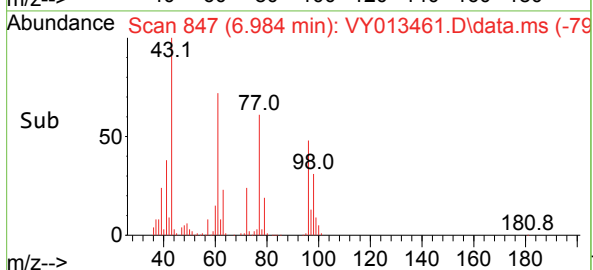
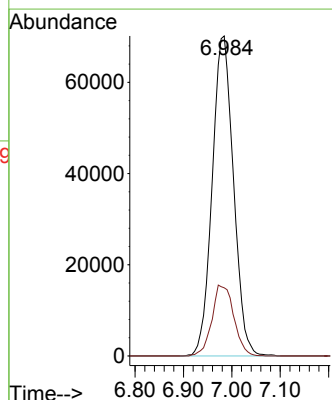
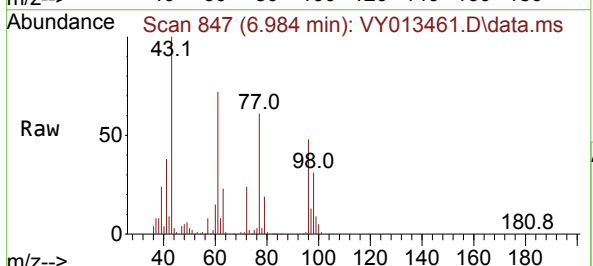
Acq: 26 Apr 2023 09:51

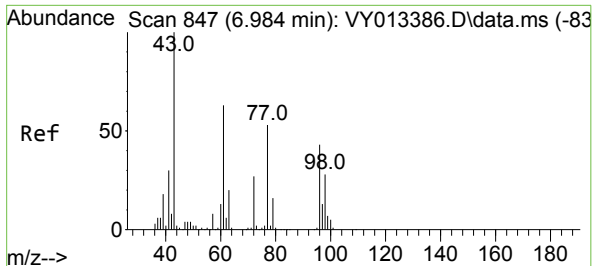
Tgt Ion: 77 Resp: 214396

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 52.670 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

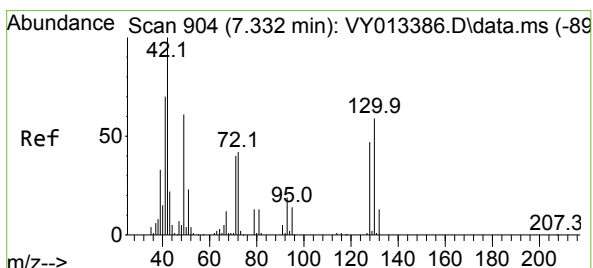
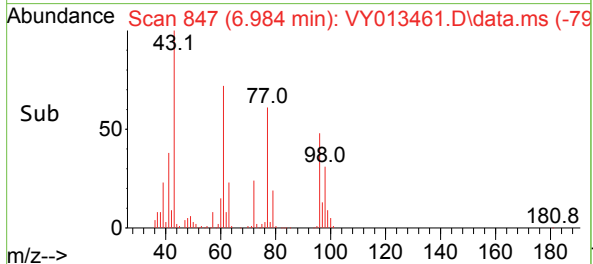
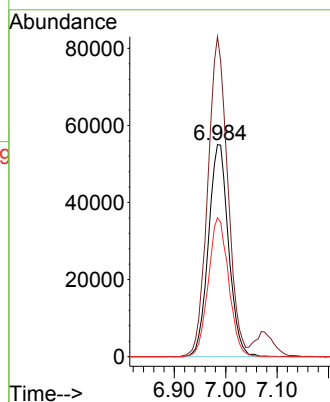
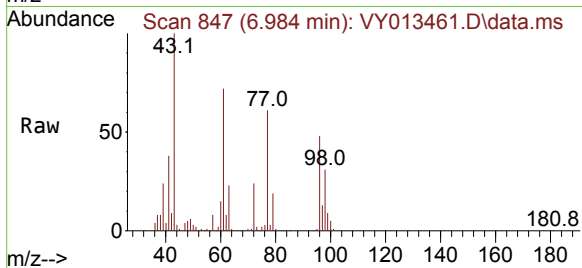
Tgt Ion: 96 Resp: 149546

Ion Ratio Lower Upper

96 100

61 149.7 0.0 285.0

98 66.1 0.0 130.6



#28

Bromochloromethane

Concen: 48.893 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

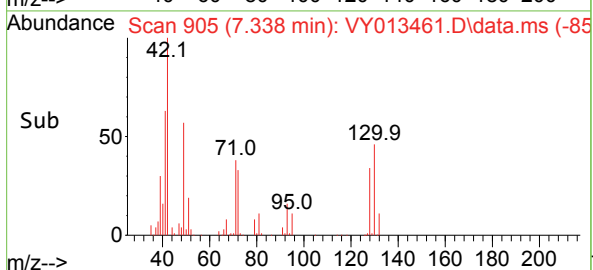
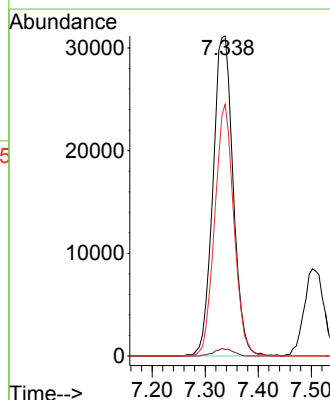
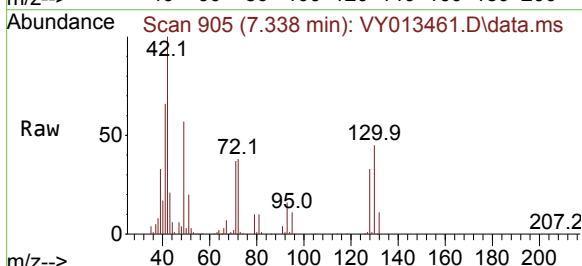
Tgt Ion: 49 Resp: 82427

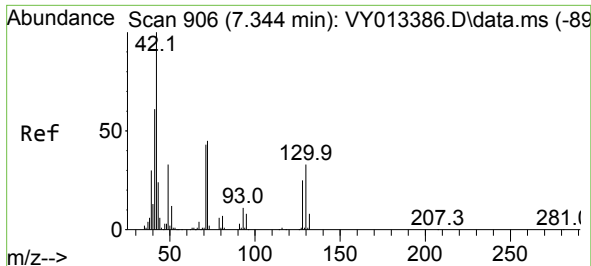
Ion Ratio Lower Upper

49 100

129 2.2 0.0 5.2

130 74.6 72.1 108.1





#29

Tetrahydrofuran

Concen: 250.993 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

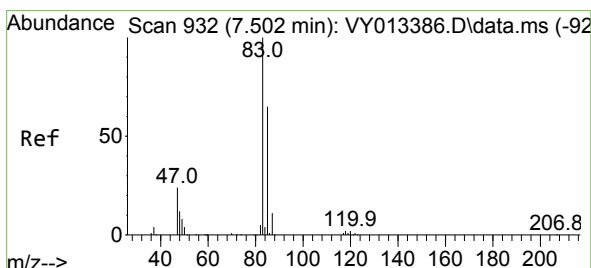
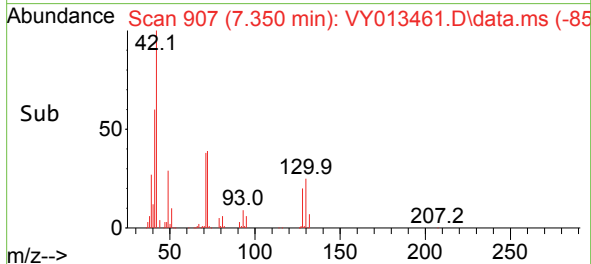
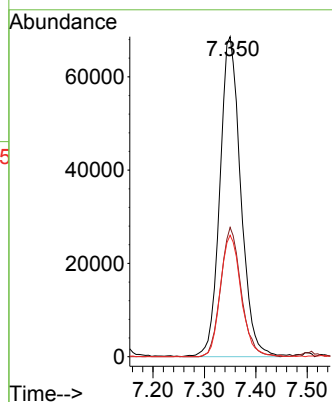
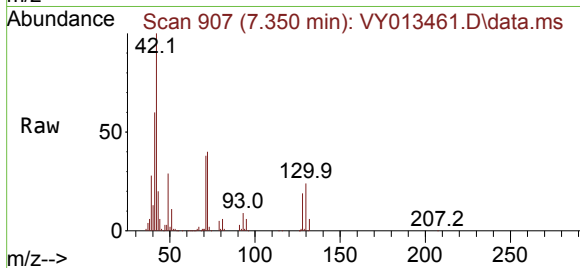
Tgt Ion: 42 Resp: 193447

Ion Ratio Lower Upper

42 100

72 39.5 35.9 53.9

71 37.9 34.3 51.5



#30

Chloroform

Concen: 54.718 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.006 min

Lab File: VY013461.D

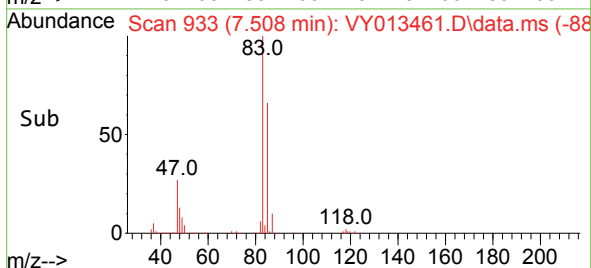
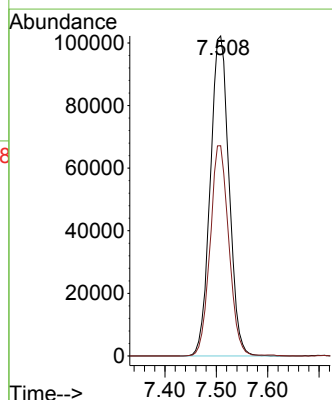
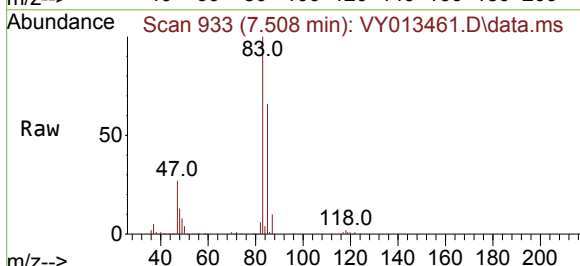
Acq: 26 Apr 2023 09:51

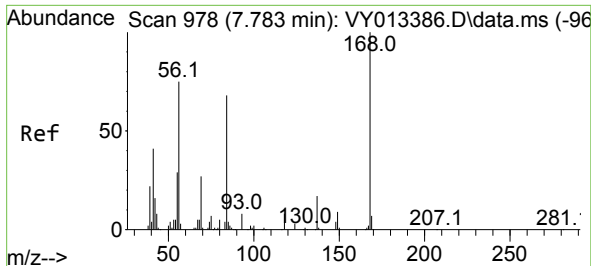
Tgt Ion: 83 Resp: 258455

Ion Ratio Lower Upper

83 100

85 65.7 52.0 78.0

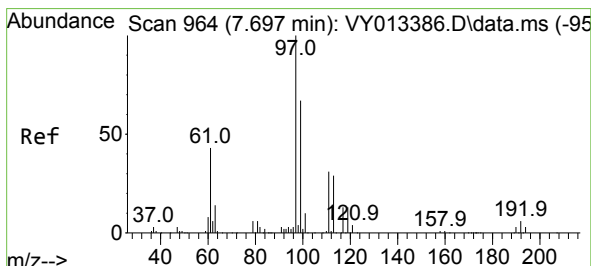
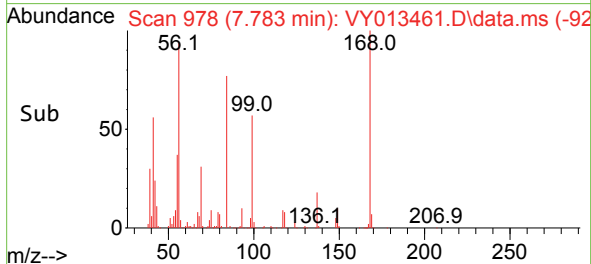
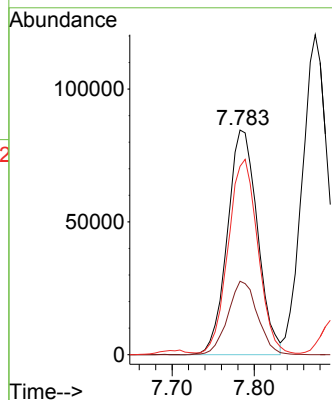
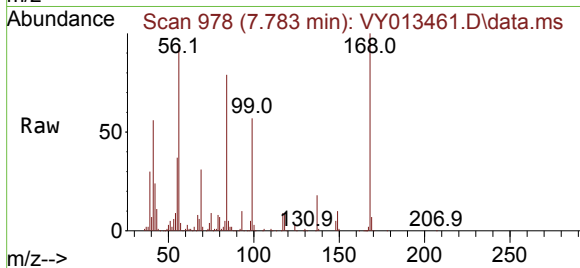




#31  
Cyclohexane  
Concen: 48.621 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

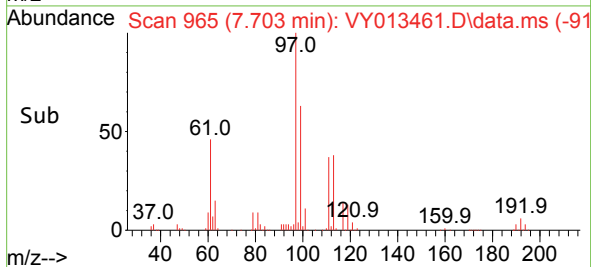
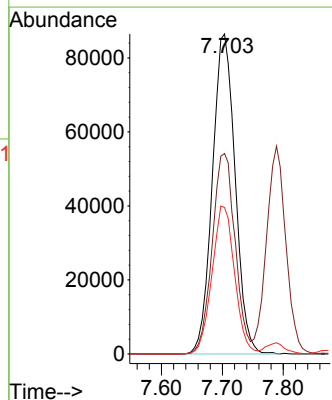
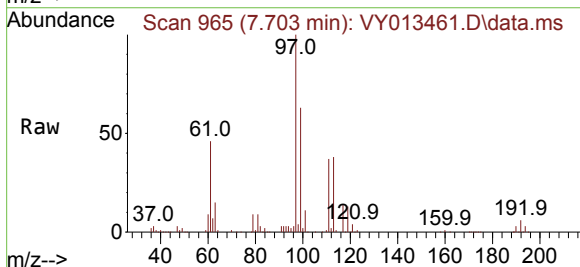
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

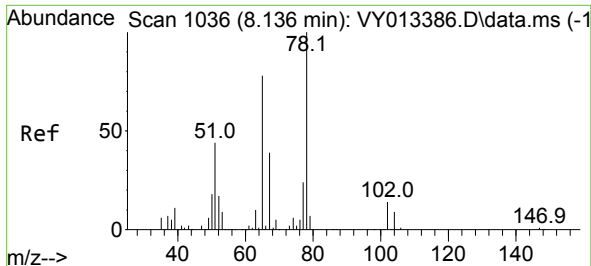
Tgt Ion: 56 Resp: 215812  
Ion Ratio Lower Upper  
56 100  
69 32.7 29.2 43.8  
84 81.8 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 53.233 ug/l  
RT: 7.703 min Scan# 965  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 97 Resp: 224375  
Ion Ratio Lower Upper  
97 100  
99 63.1 52.2 78.2  
61 45.9 33.8 50.8

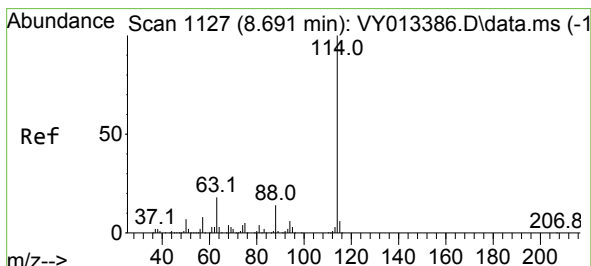
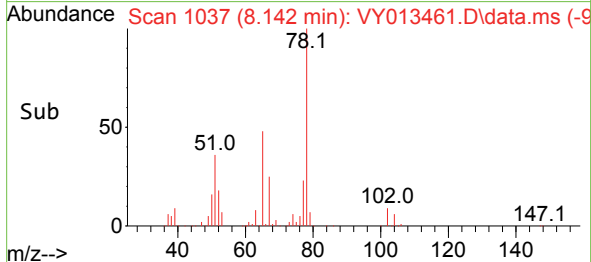
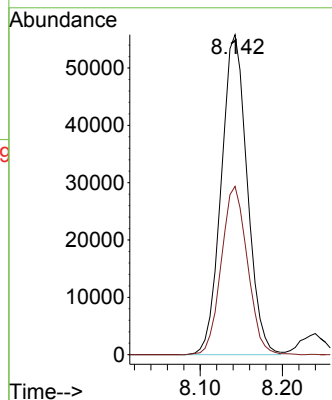
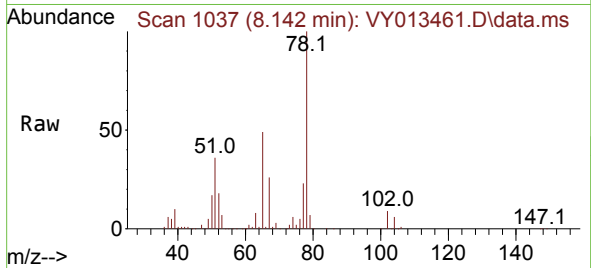




#33  
1,2-Dichloroethane-d4  
Concen: 49.333 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

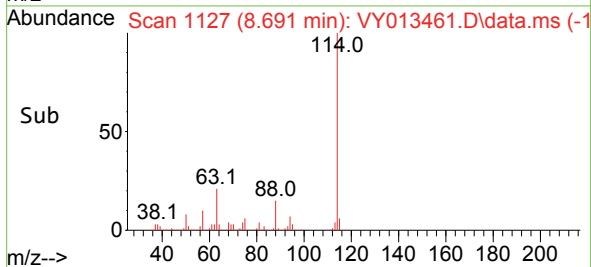
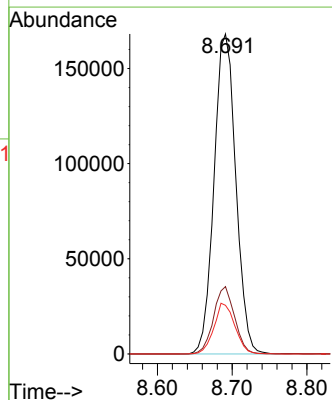
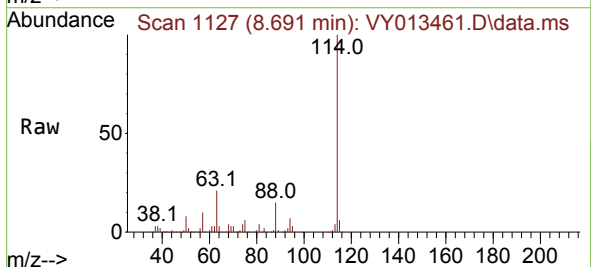
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

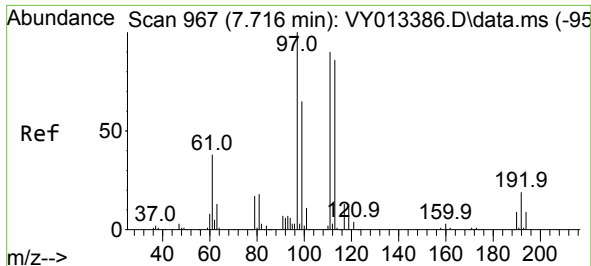
Tgt Ion: 65 Resp: 122301  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 114 Resp: 340130  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 36.6  
88 15.2 0.0 28.8

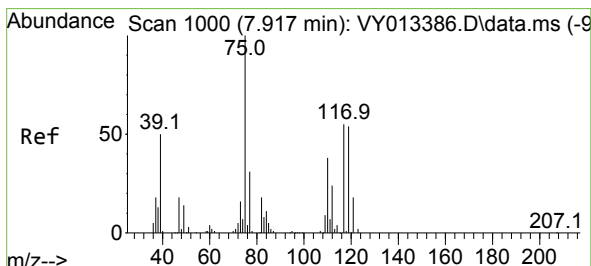
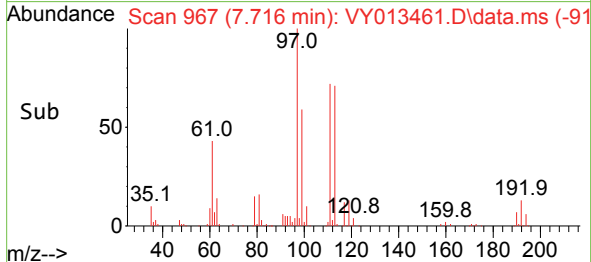
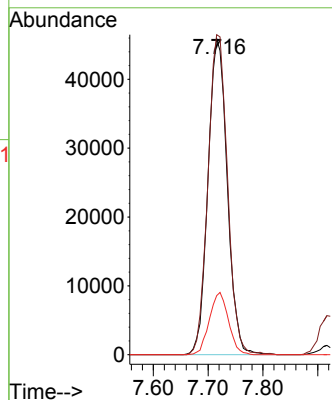
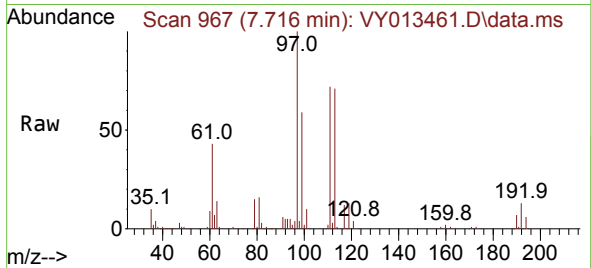




#35  
Dibromofluoromethane  
Concen: 52.275 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

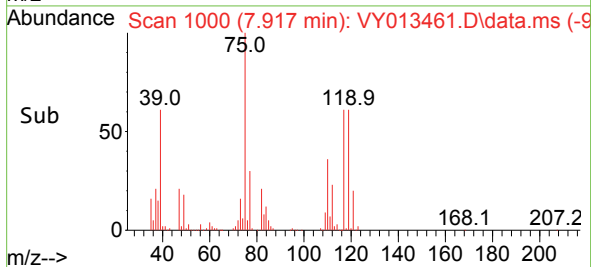
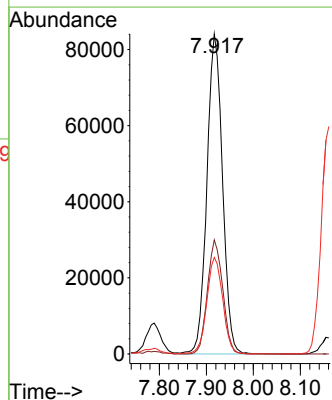
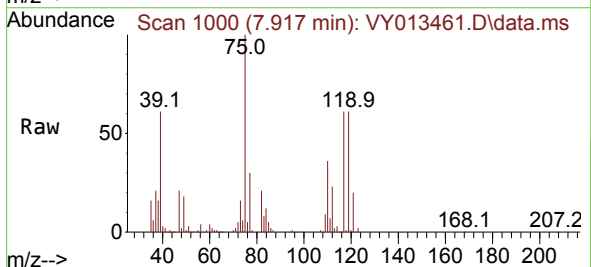
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

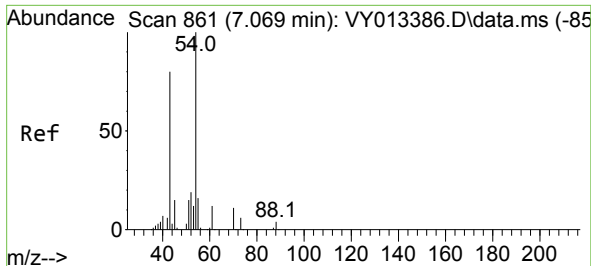
Tgt Ion:113 Resp: 111831  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.2  
192 19.6 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 54.410 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 75 Resp: 193176  
Ion Ratio Lower Upper  
75 100  
110 35.1 18.7 56.1  
77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 49.052 ug/l

RT: 7.069 min Scan# 8

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

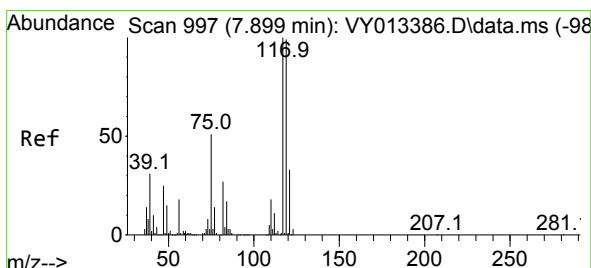
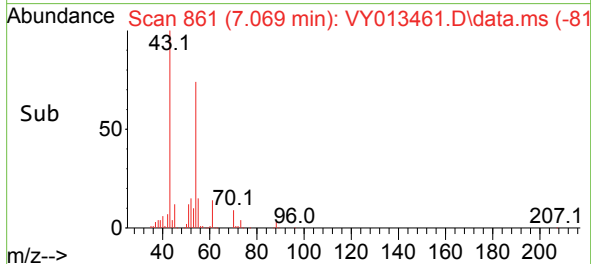
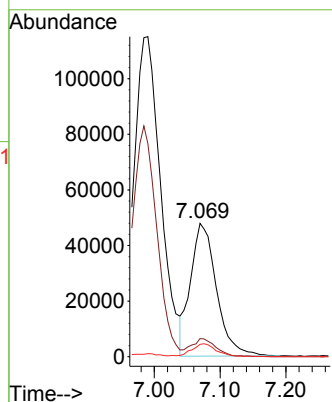
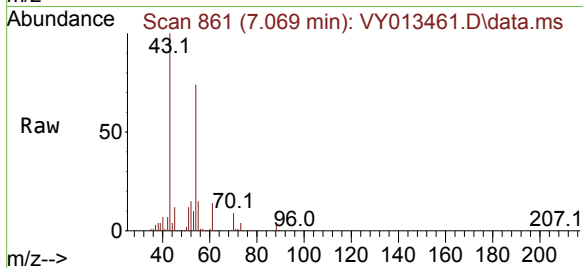
Tgt Ion: 43 Resp: 131057

Ion Ratio Lower Upper

43 100

61 12.7 11.4 17.0

70 8.9 7.9 11.9



#38

Carbon Tetrachloride

Concen: 55.900 ug/l

RT: 7.905 min Scan# 998

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

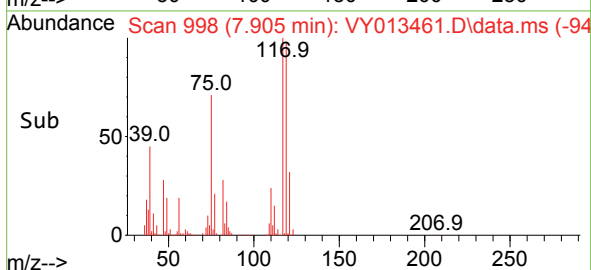
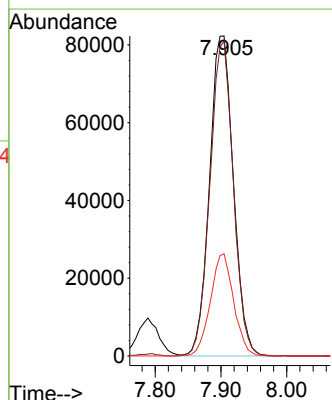
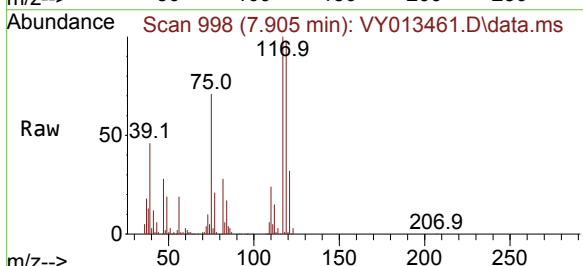
Tgt Ion: 117 Resp: 208018

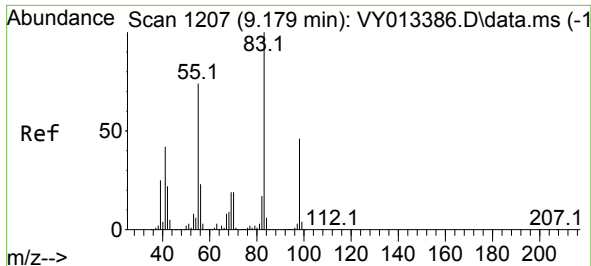
Ion Ratio Lower Upper

117 100

119 98.3 79.0 118.6

121 31.9 26.6 40.0





#39

Methylcyclohexane

Concen: 54.535 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

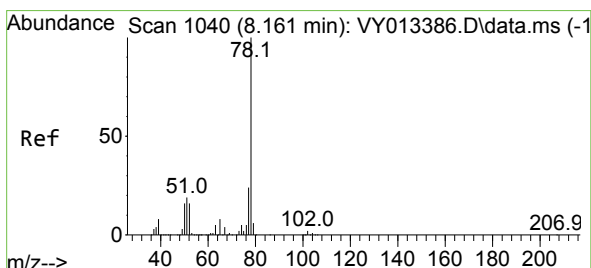
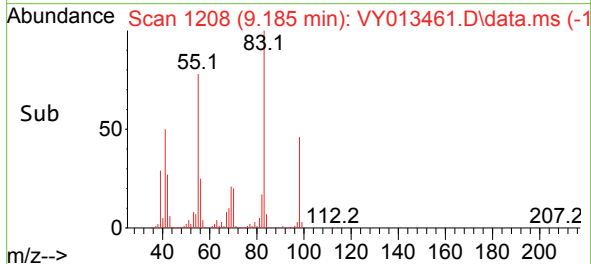
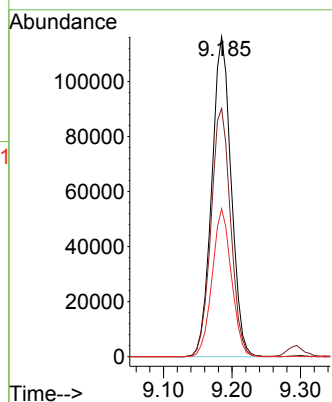
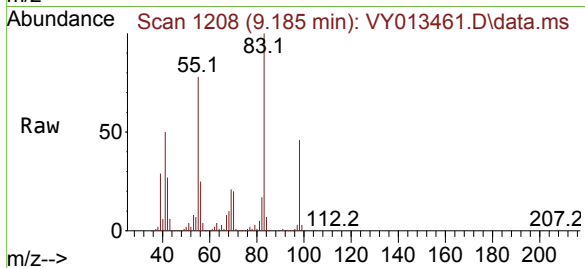
Tgt Ion: 83 Resp: 228260

Ion Ratio Lower Upper

83 100

55 77.6 59.0 88.4

98 46.2 37.0 55.4



#40

Benzene

Concen: 55.250 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013461.D

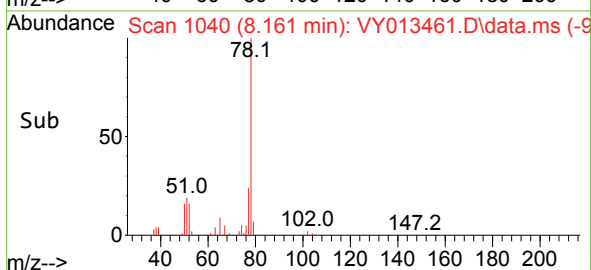
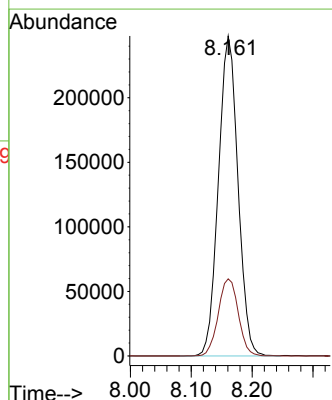
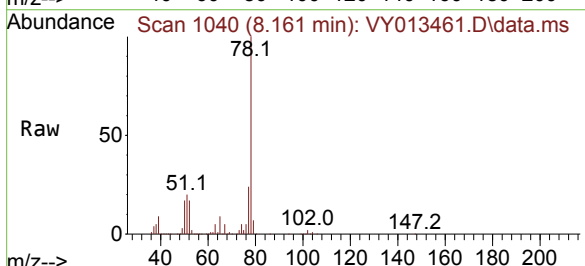
Acq: 26 Apr 2023 09:51

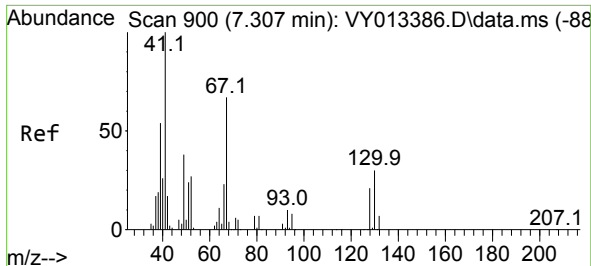
Tgt Ion: 78 Resp: 552560

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

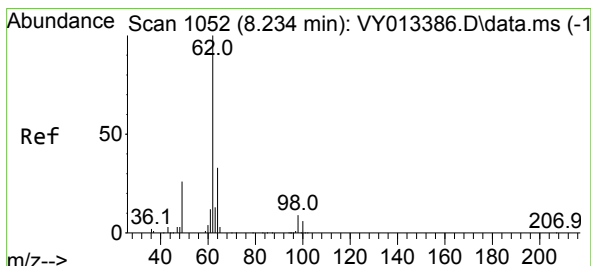
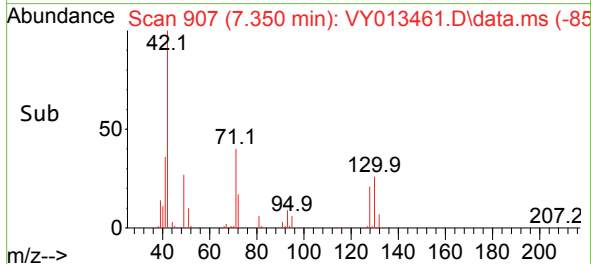
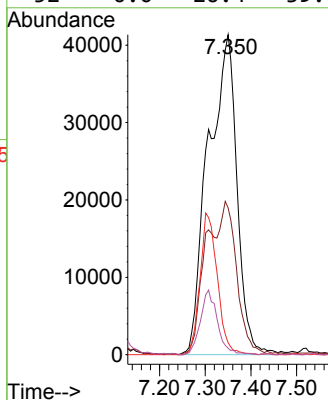
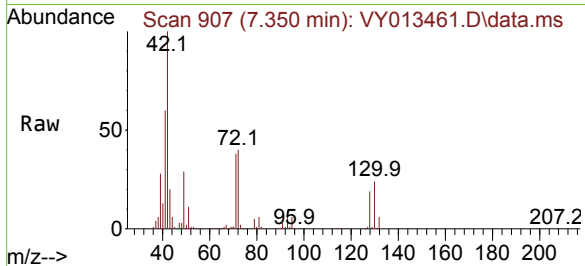




#41  
Methacrylonitrile  
Concen: 144.418 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.043 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

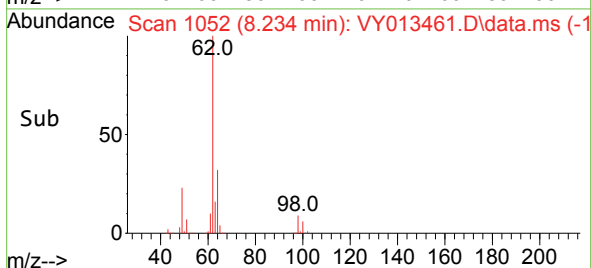
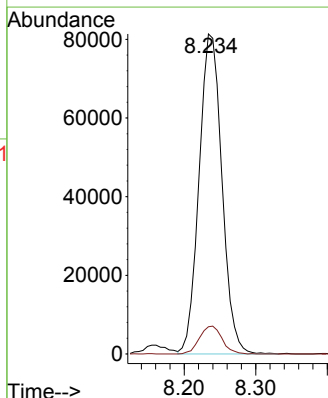
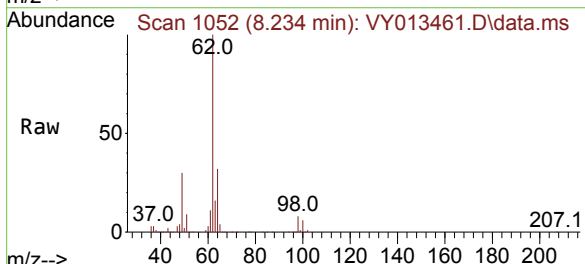
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

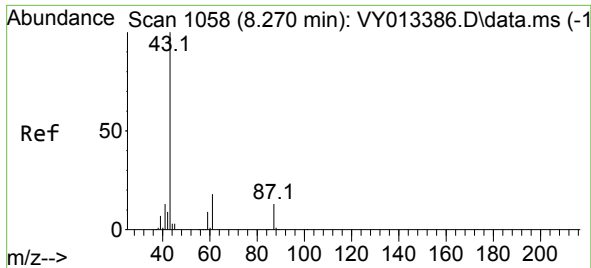
Tgt Ion: 41 Resp: 179806  
Ion Ratio Lower Upper  
41 100  
39 25.3 44.2 66.4#  
67 0.0 62.9 94.3#  
52 0.0 26.4 39.6#



#42  
1,2-Dichloroethane  
Concen: 55.331 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 62 Resp: 180914  
Ion Ratio Lower Upper  
62 100  
98 8.6 0.0 17.8

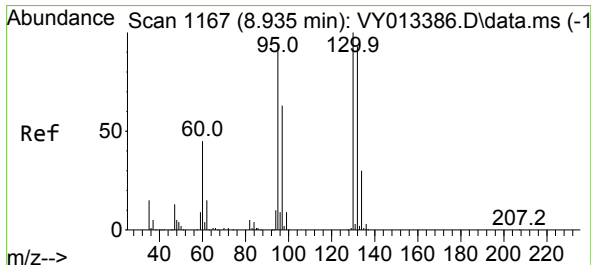
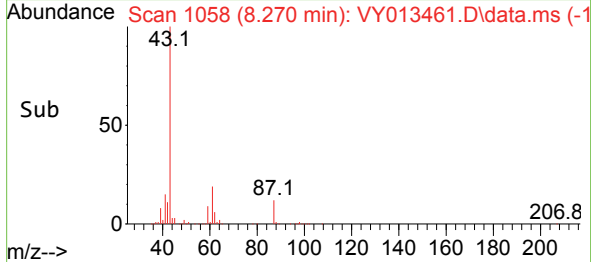
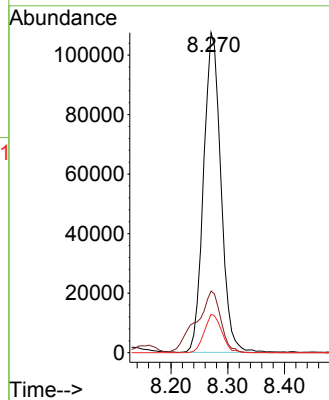
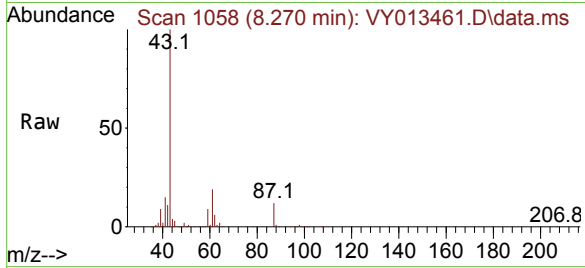




#43  
Isopropyl Acetate  
Concen: 50.588 ug/l  
RT: 8.270 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

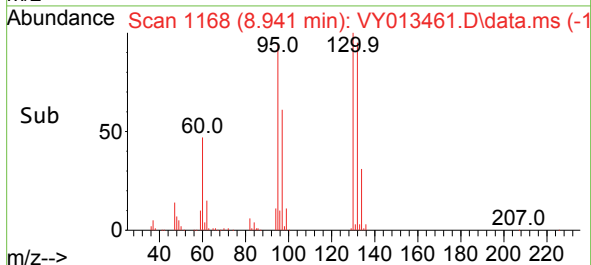
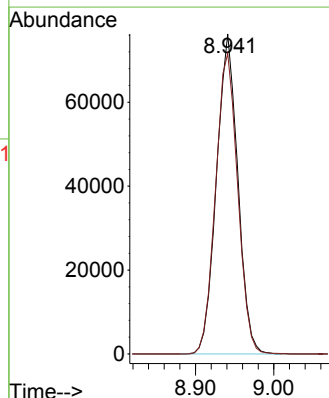
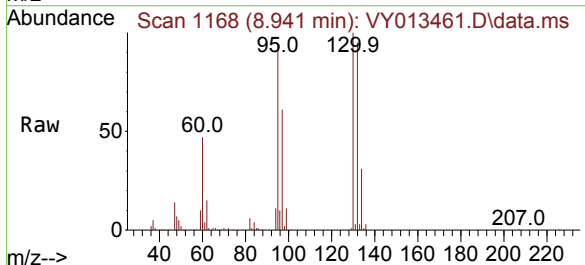
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

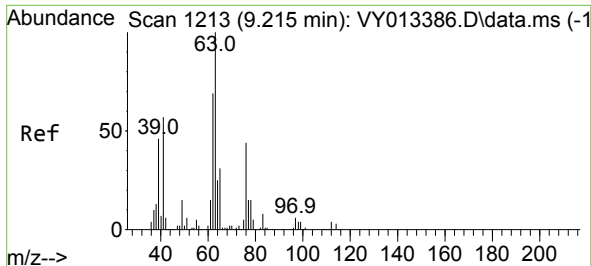
Tgt Ion: 43 Resp: 228137  
Ion Ratio Lower Upper  
43 100  
61 27.2 22.2 33.4  
87 12.1 11.0 16.6



#44  
Trichloroethene  
Concen: 54.225 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion:130 Resp: 144253  
Ion Ratio Lower Upper  
130 100  
95 93.9 0.0 188.8





#45

1,2-Dichloropropane

Concen: 55.409 ug/l

RT: 9.215 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

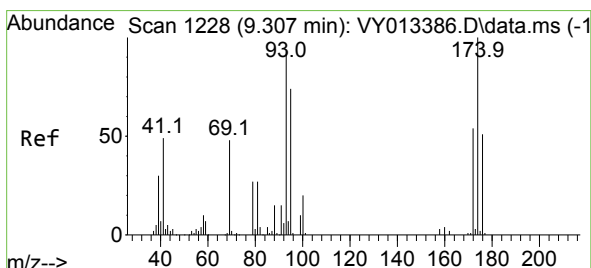
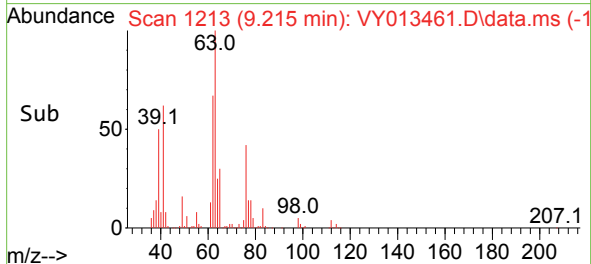
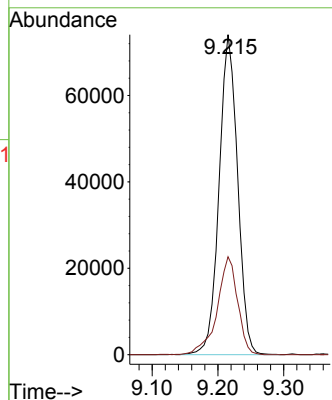
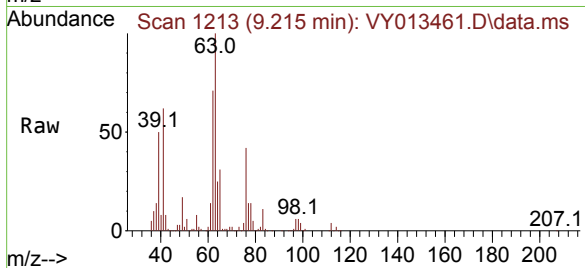
VSTDCCC050

Tgt Ion: 63 Resp: 144890

Ion Ratio Lower Upper

63 100

65 30.6 24.6 37.0



#46

Dibromomethane

Concen: 54.926 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

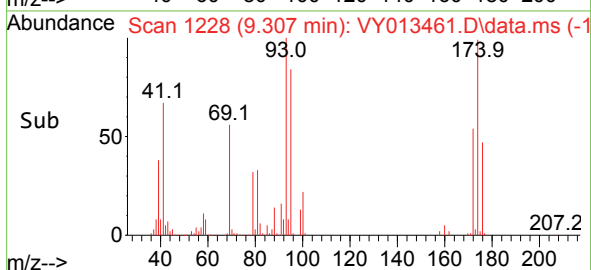
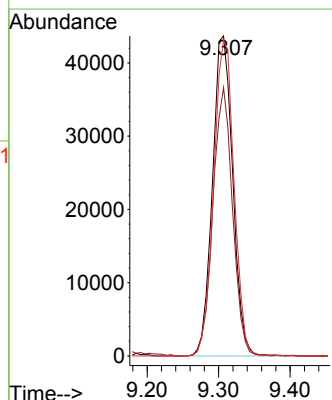
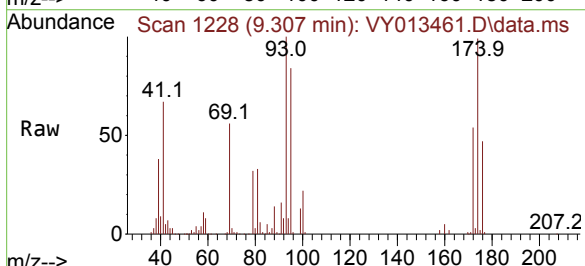
Tgt Ion: 93 Resp: 85938

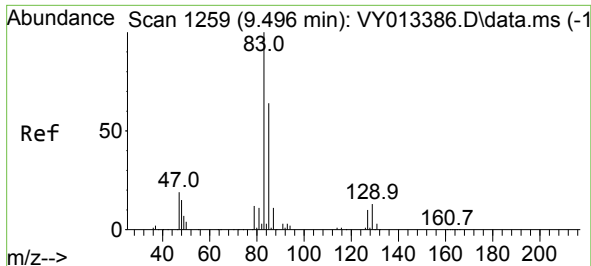
Ion Ratio Lower Upper

93 100

95 81.5 67.1 100.7

174 98.6 87.0 130.4

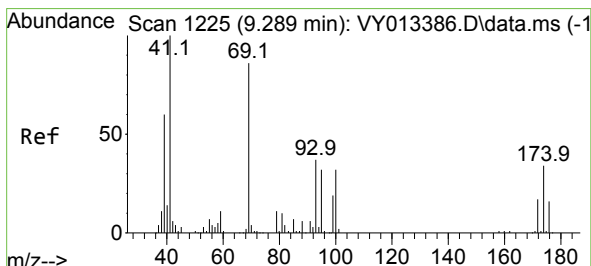
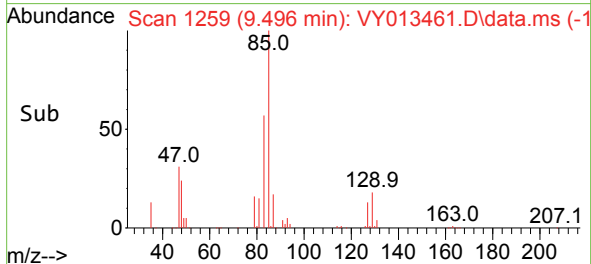
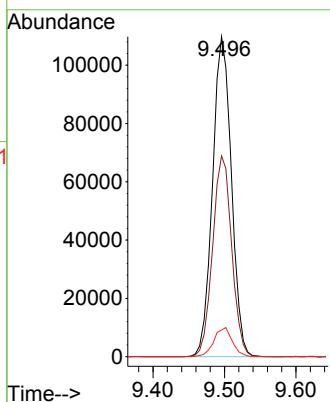
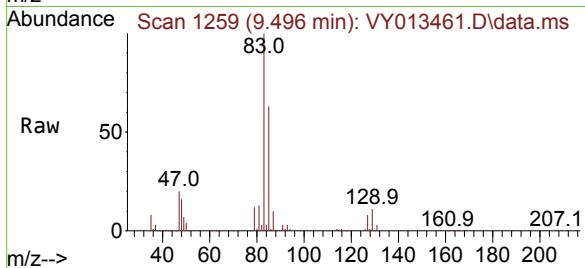




#47  
Bromodichloromethane  
Concen: 57.406 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

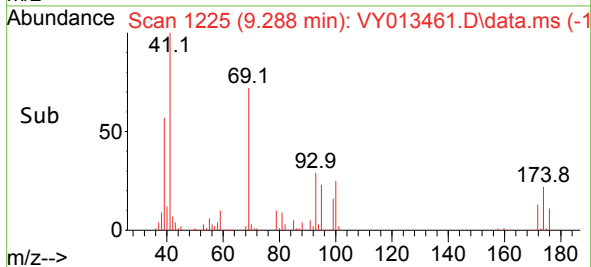
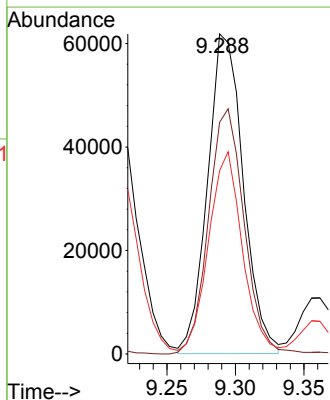
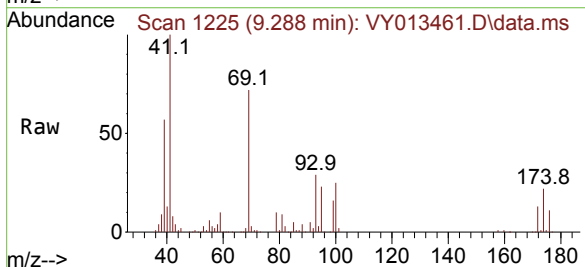
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

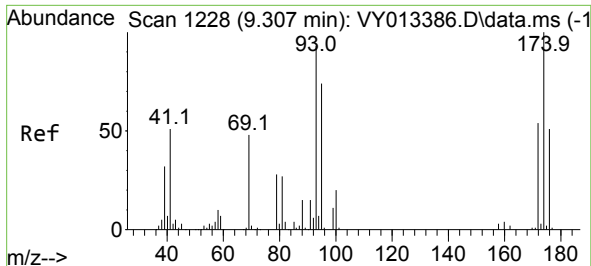
Tgt Ion: 83 Resp: 200979  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.4 77.2  
127 8.4 8.1 12.1



#48  
Methyl methacrylate  
Concen: 54.008 ug/l  
RT: 9.288 min Scan# 1225  
Delta R.T. -0.001 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 41 Resp: 111859  
Ion Ratio Lower Upper  
41 100  
69 76.9 70.2 105.4  
39 58.2 47.9 71.9





#49

1,4-Dioxane

Concen: 1039.521 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

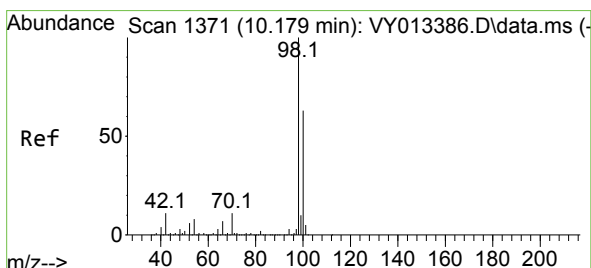
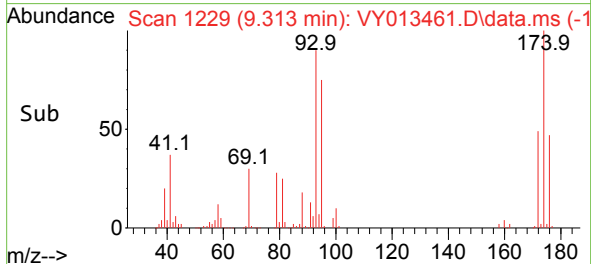
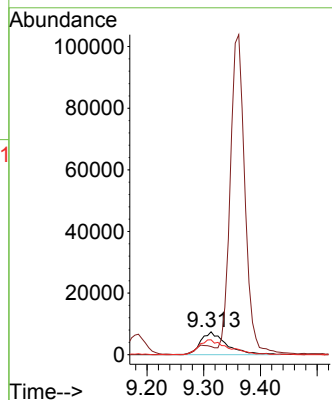
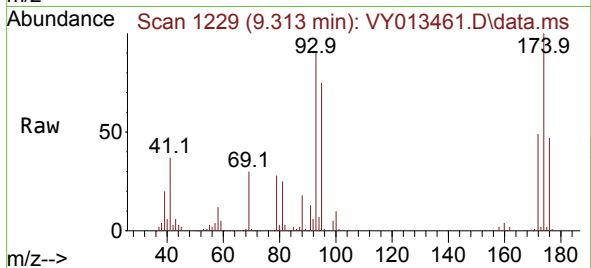
Tgt Ion: 88 Resp: 23229

Ion Ratio Lower Upper

88 100

43 28.1 16.8 25.2#

58 74.8 54.3 81.5



#50

Toluene-d8

Concen: 50.526 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013461.D

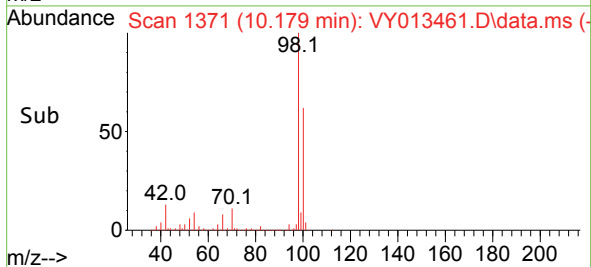
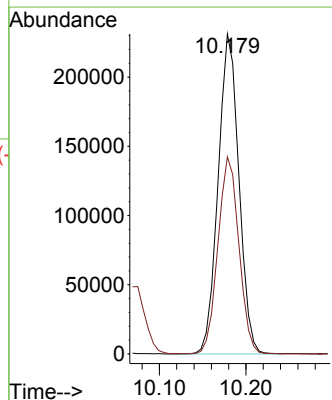
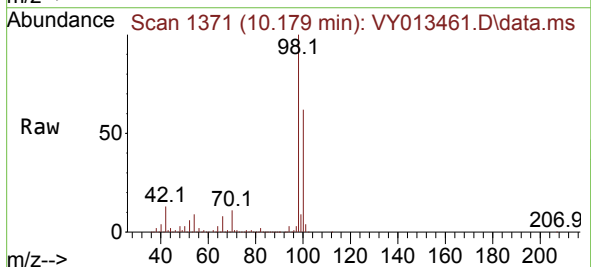
Acq: 26 Apr 2023 09:51

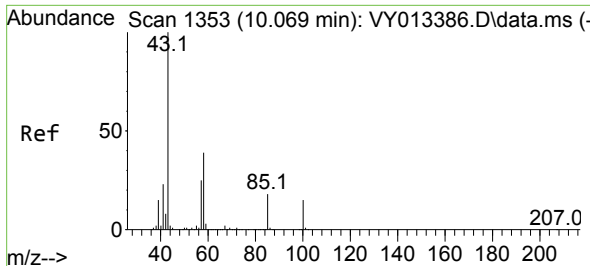
Tgt Ion: 98 Resp: 384516

Ion Ratio Lower Upper

98 100

100 62.1 50.5 75.7

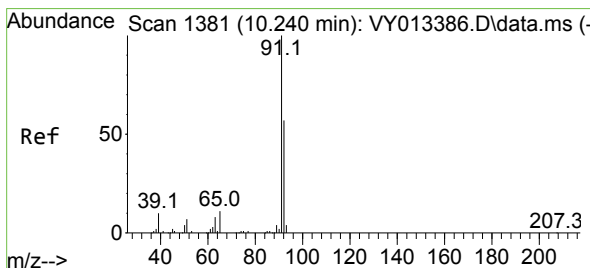
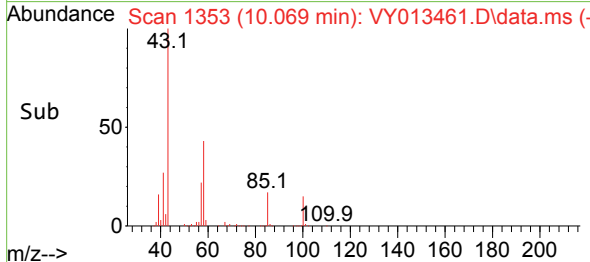
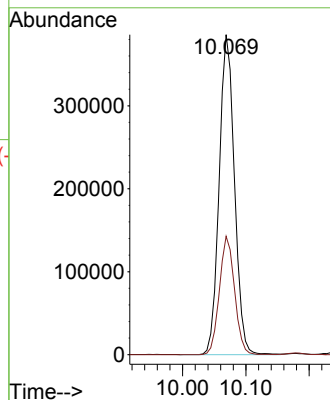
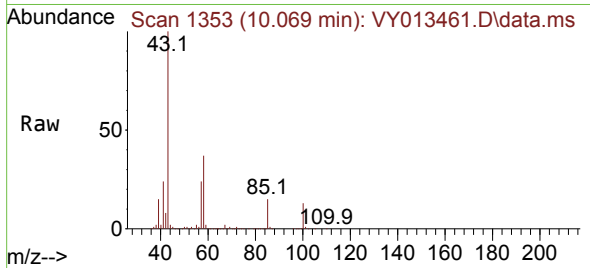




#51  
4-Methyl-2-Pentanone  
Concen: 256.704 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

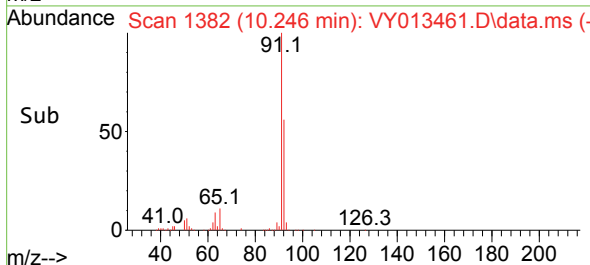
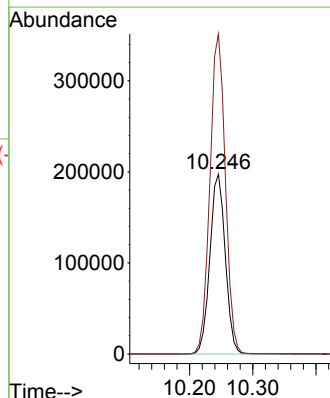
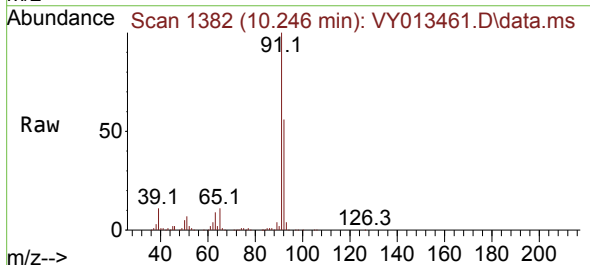
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

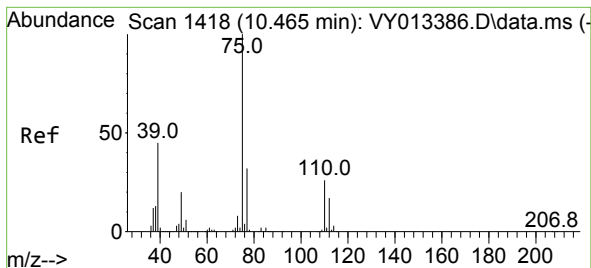
Tgt Ion: 43 Resp: 645102  
Ion Ratio Lower Upper  
43 100  
58 36.7 30.6 46.0



#52  
Toluene  
Concen: 55.454 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 92 Resp: 333739  
Ion Ratio Lower Upper  
92 100  
91 178.5 140.2 210.4

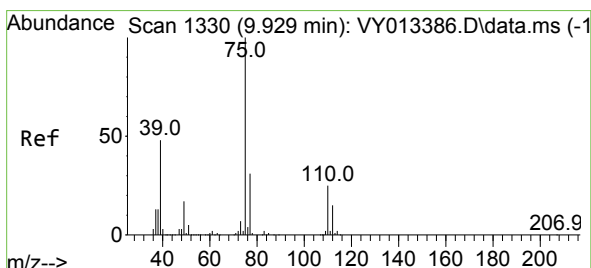
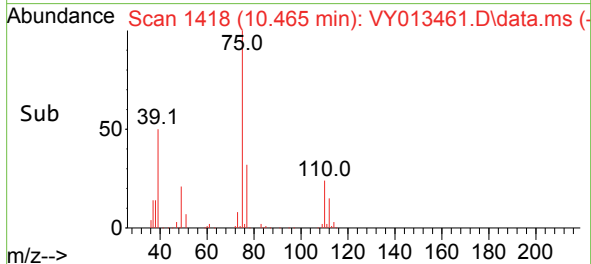
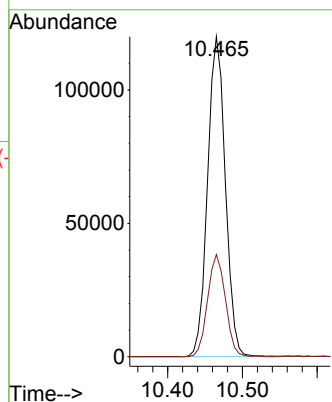
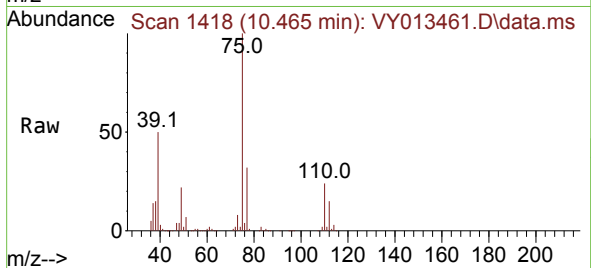




#53  
 t-1,3-Dichloropropene  
 Concen: 53.522 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

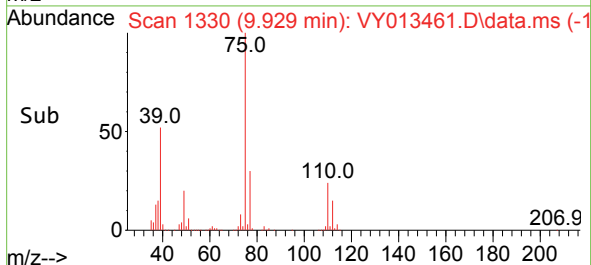
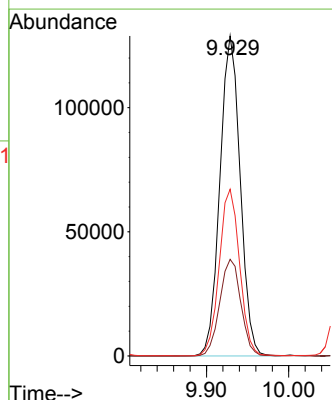
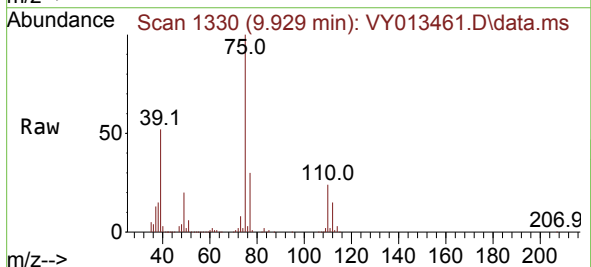
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

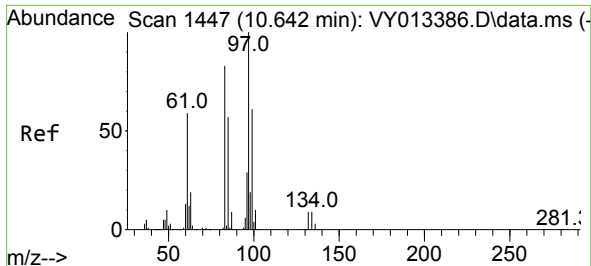
Tgt Ion: 75 Resp: 198314  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.112 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.000 min  
 Lab File: VY013461.D  
 Acq: 26 Apr 2023 09:51

Tgt Ion: 75 Resp: 221438  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 24.8 37.2  
 39 52.0 38.1 57.1



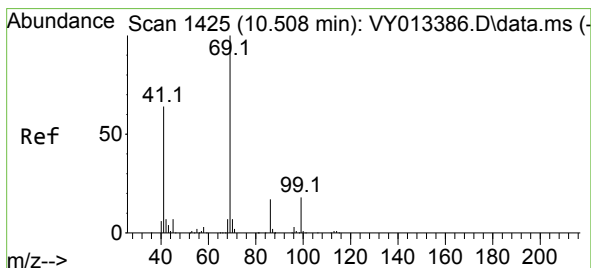
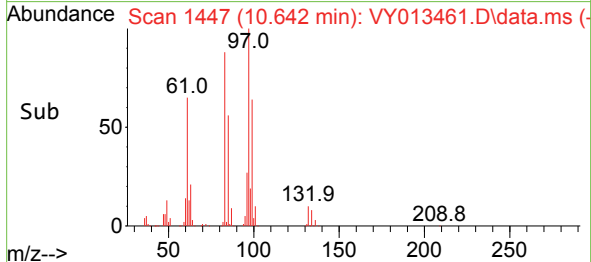
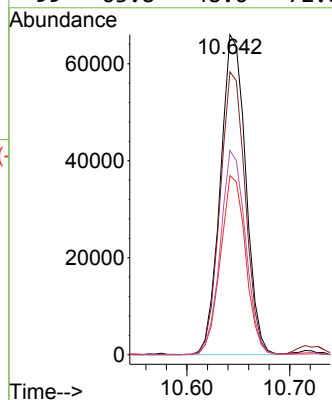
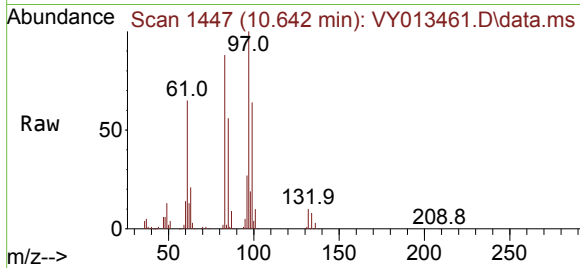


#55  
1,1,2-Trichloroethane  
Concen: 54.507 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 112938

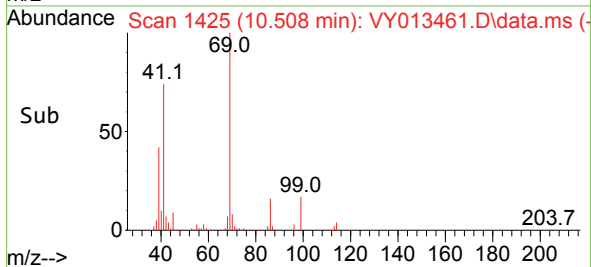
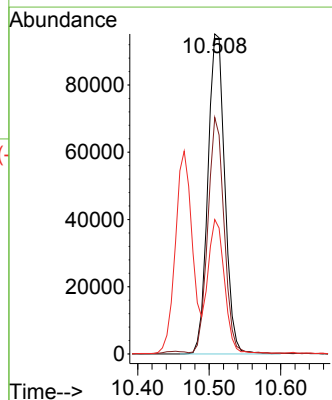
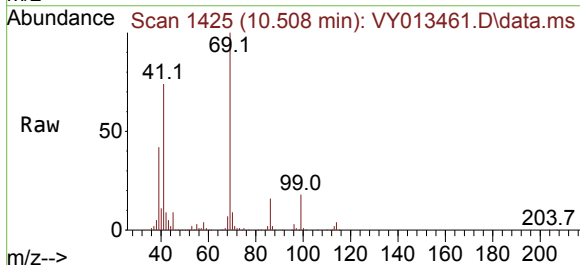
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.4  | 66.4  | 99.6  |
| 85  | 55.9  | 45.6  | 68.4  |
| 99  | 63.8  | 48.6  | 72.8  |

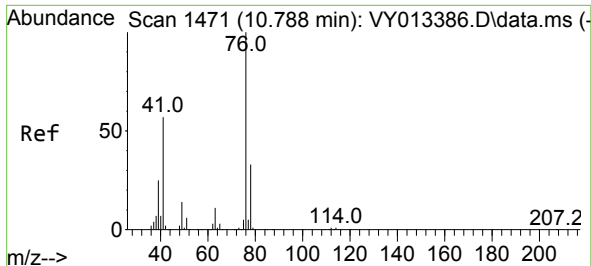


#56  
Ethyl methacrylate  
Concen: 54.347 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 69 Resp: 156225

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 70.7  | 51.4  | 77.0  |
| 39  | 40.2  | 29.0  | 43.6  |





#57

1,3-Dichloropropane

Concen: 54.054 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

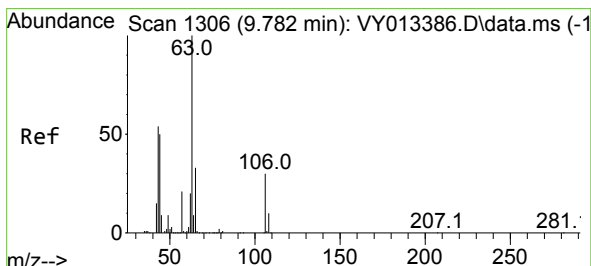
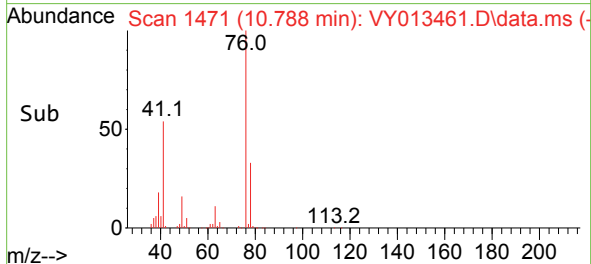
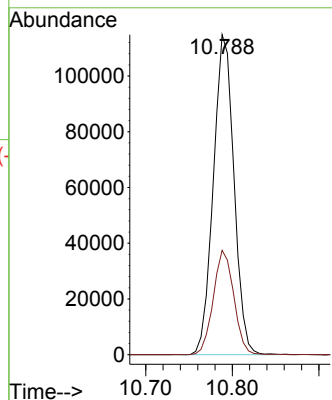
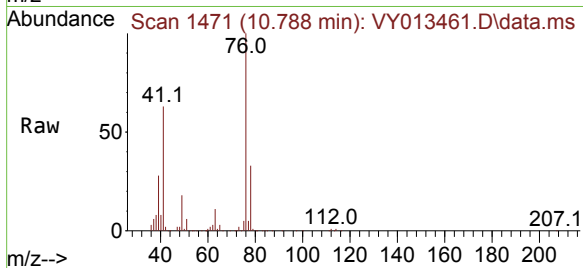
VSTDCCC050

Tgt Ion: 76 Resp: 189681

Ion Ratio Lower Upper

76 100

78 32.5 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 237.308 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY013461.D

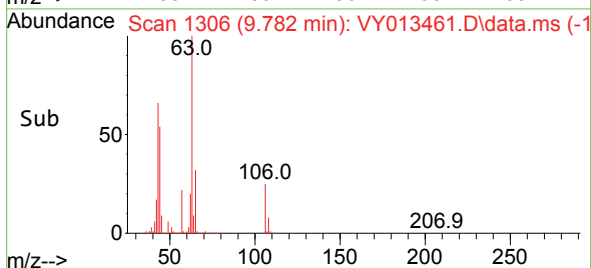
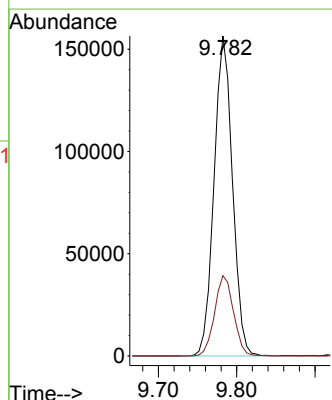
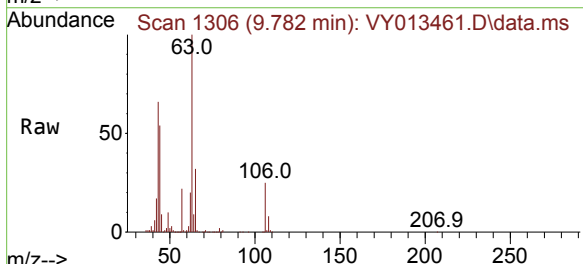
Acq: 26 Apr 2023 09:51

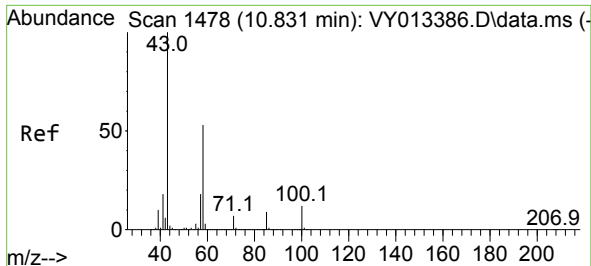
Tgt Ion: 63 Resp: 255800

Ion Ratio Lower Upper

63 100

106 25.7 23.5 35.3

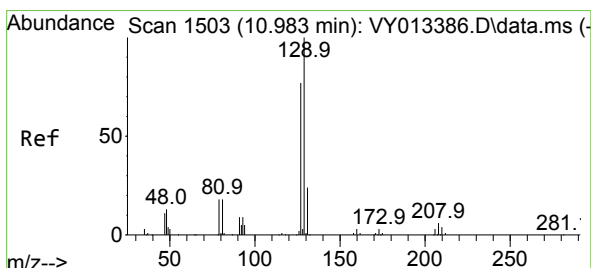
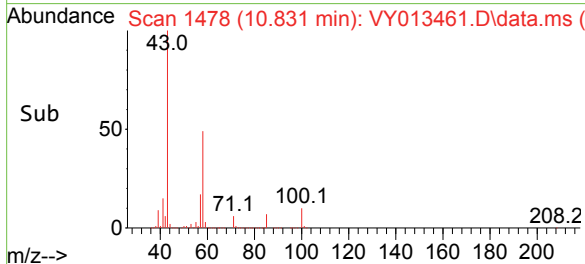
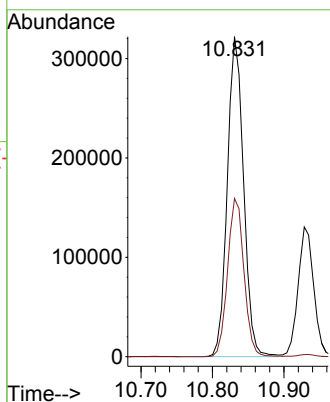
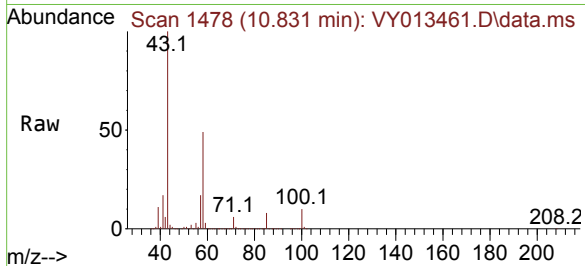




#59  
2-Hexanone  
Concen: 277.741 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

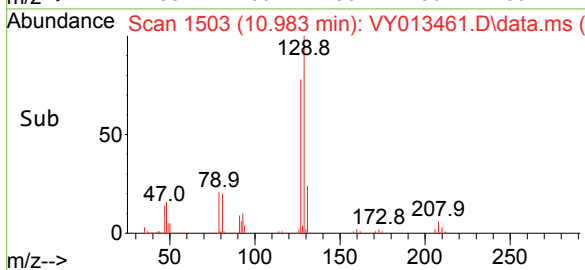
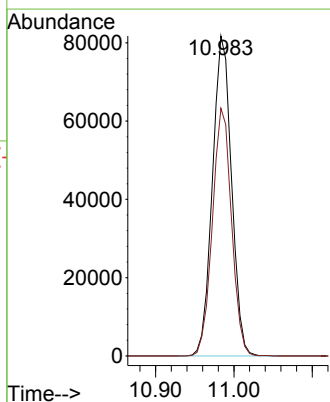
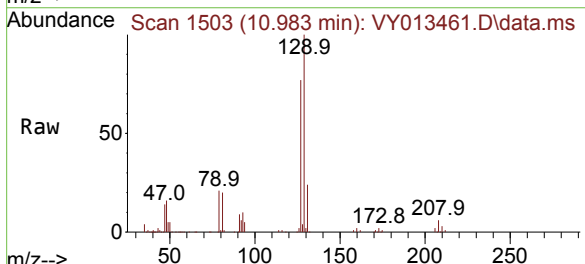
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

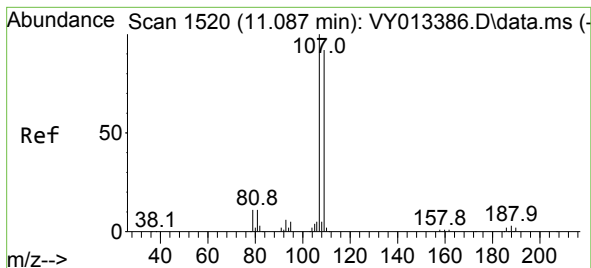
Tgt Ion: 43 Resp: 507367  
Ion Ratio Lower Upper  
43 100  
58 49.9 26.3 78.8



#60  
Dibromochloromethane  
Concen: 54.963 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 129 Resp: 138281  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.7 116.1

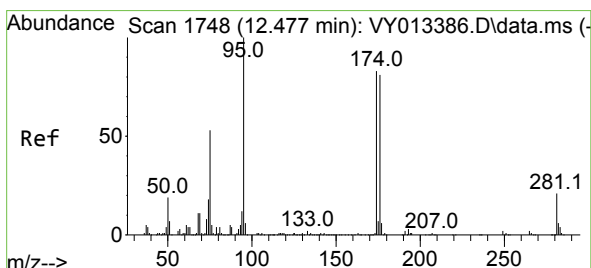
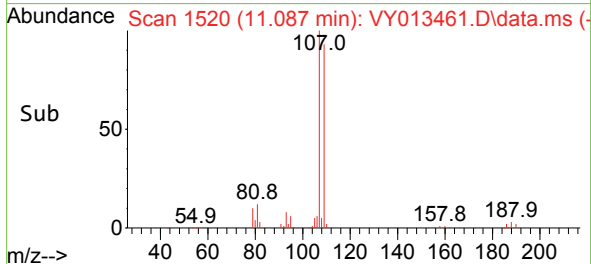
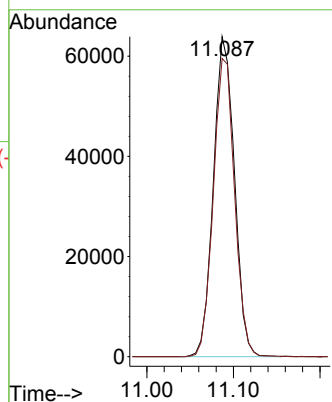
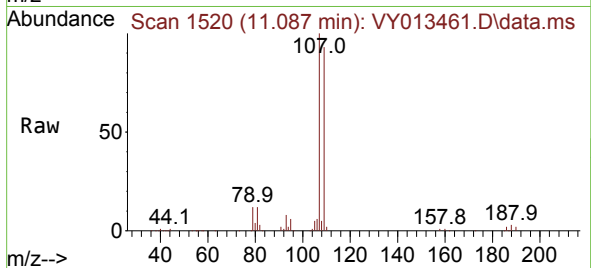




#61  
1,2-Dibromoethane  
Concen: 52.852 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

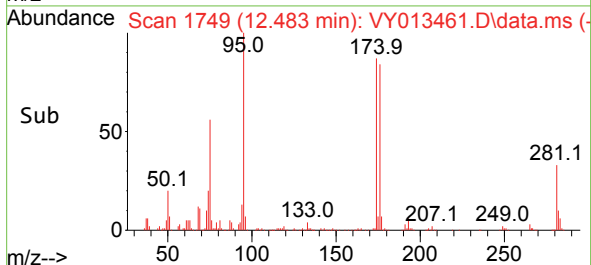
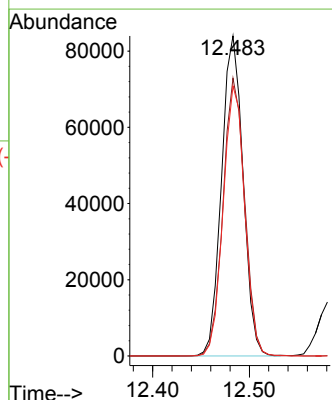
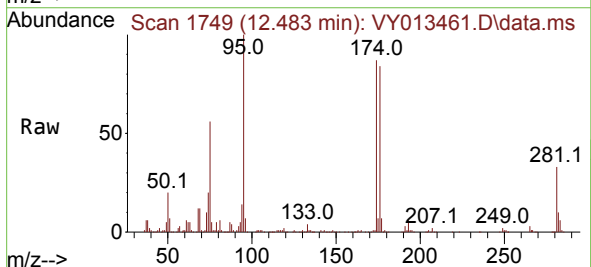
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

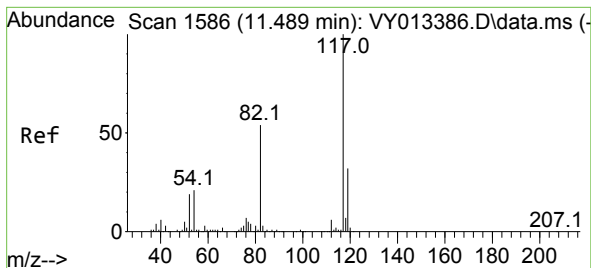
Tgt Ion:107 Resp: 107666  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 50.457 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 95 Resp: 129452  
Ion Ratio Lower Upper  
95 100  
174 87.4 0.0 182.0  
176 84.4 0.0 175.4

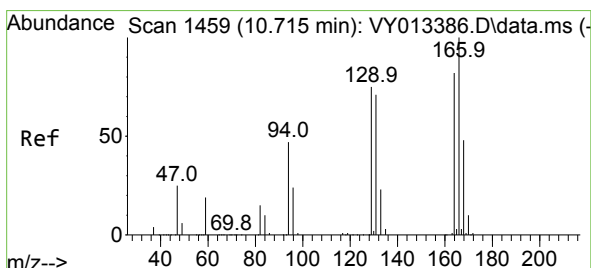
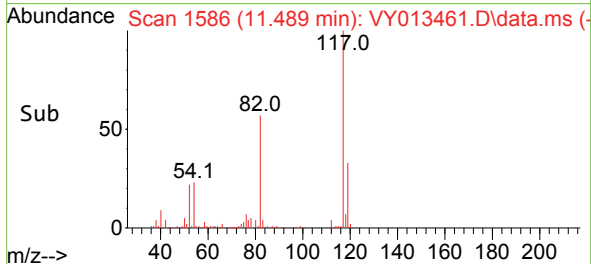
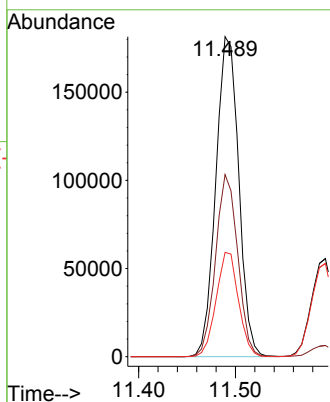
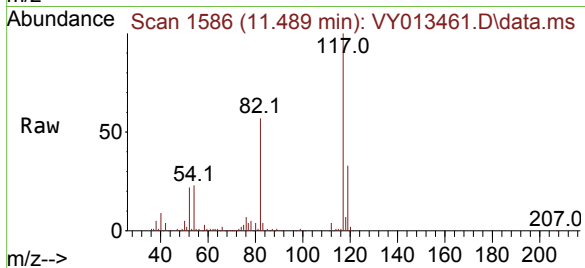




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

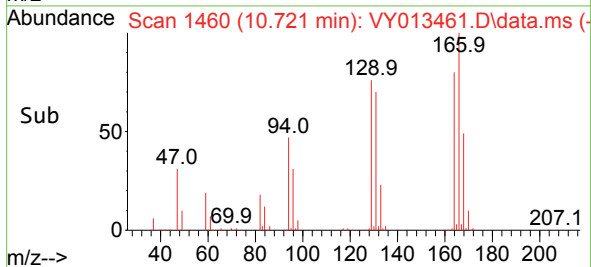
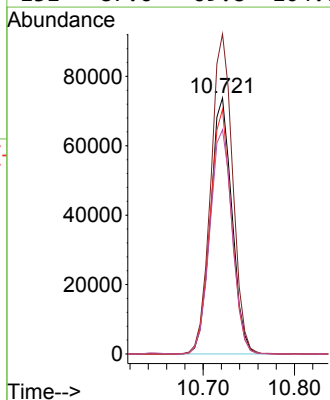
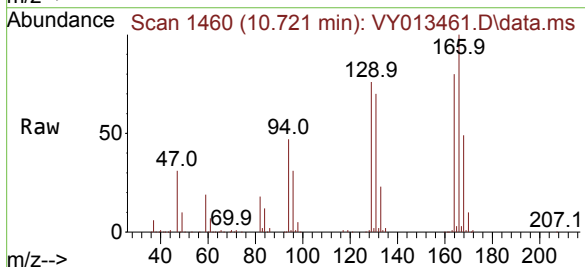
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

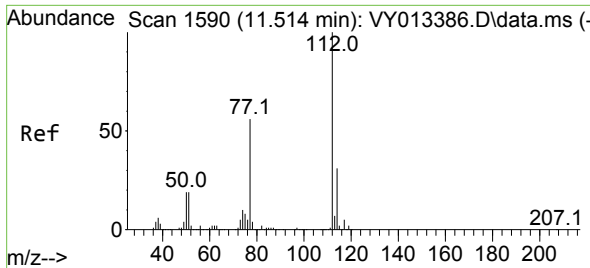
Tgt Ion:117 Resp: 297881  
Ion Ratio Lower Upper  
117 100  
82 56.9 43.0 64.6  
119 32.6 25.5 38.3



#64  
Tetrachloroethene  
Concen: 53.139 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion:164 Resp: 120366  
Ion Ratio Lower Upper  
164 100  
166 125.0 97.5 146.3  
129 95.5 72.6 109.0  
131 87.6 69.8 104.6

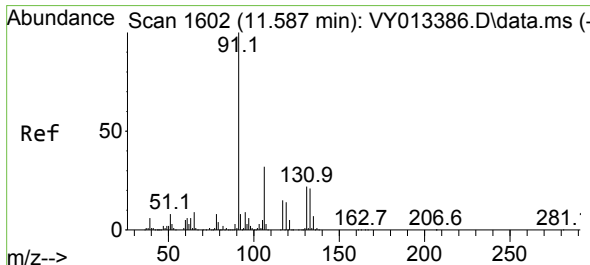
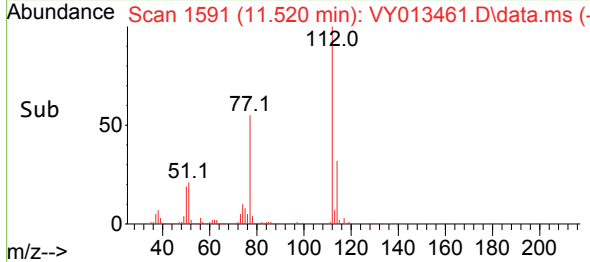
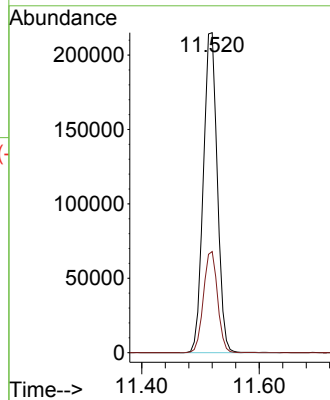
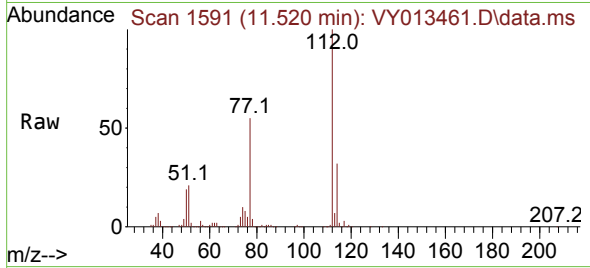




#65  
Chlorobenzene  
Concen: 54.562 ug/l  
RT: 11.520 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

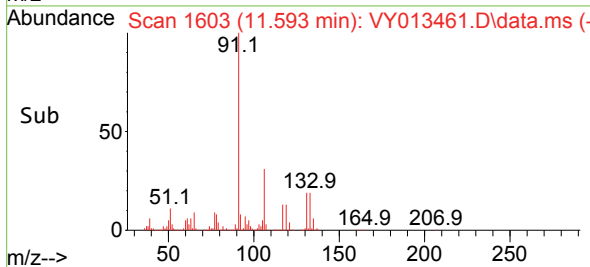
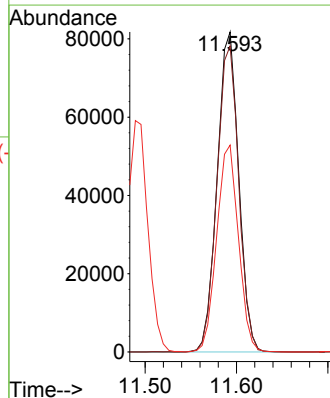
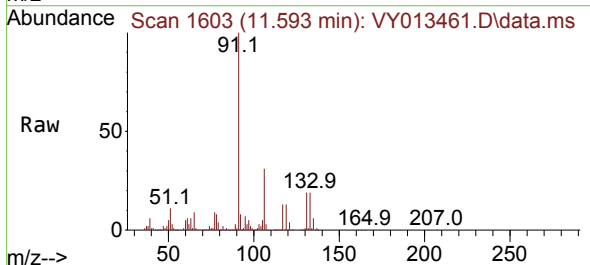
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

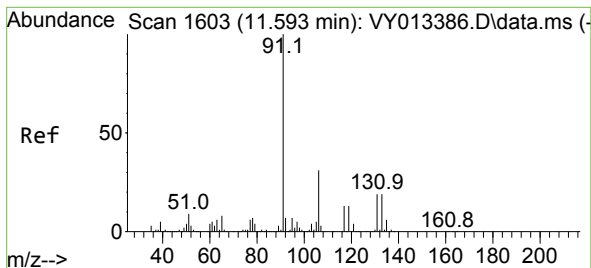
Tgt Ion:112 Resp: 354055  
Ion Ratio Lower Upper  
112 100  
114 31.6 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.192 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion:131 Resp: 133942  
Ion Ratio Lower Upper  
131 100  
133 96.9 47.7 143.1  
119 65.5 32.6 98.0

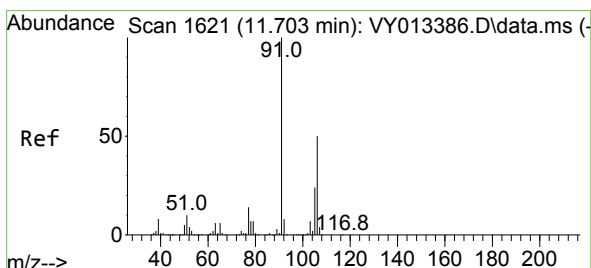
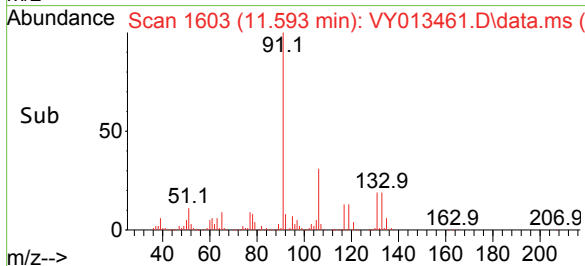
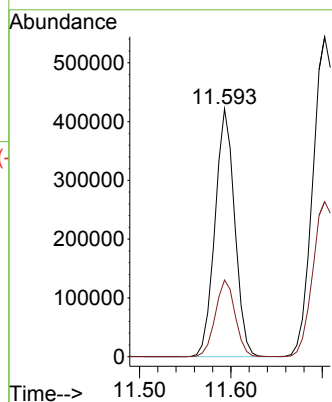
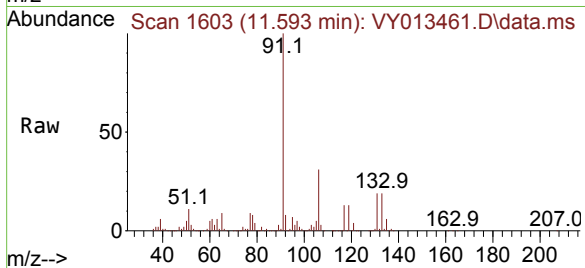




#67  
Ethyl Benzene  
Concen: 55.312 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

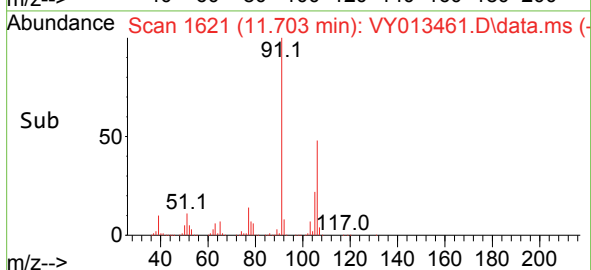
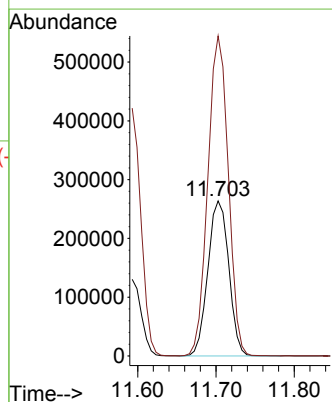
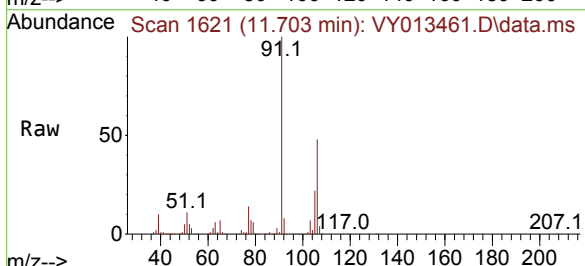
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

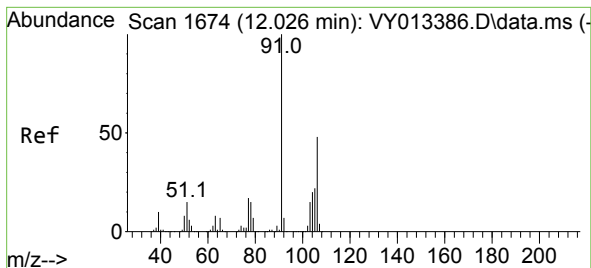
Tgt Ion: 91 Resp: 630258  
Ion Ratio Lower Upper  
91 100  
106 30.9 25.1 37.7



#68  
m/p-Xylenes  
Concen: 112.802 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion:106 Resp: 488628  
Ion Ratio Lower Upper  
106 100  
91 202.2 160.9 241.3





#69

o-Xylene

Concen: 55.986 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

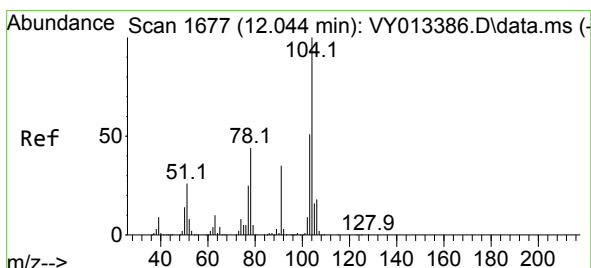
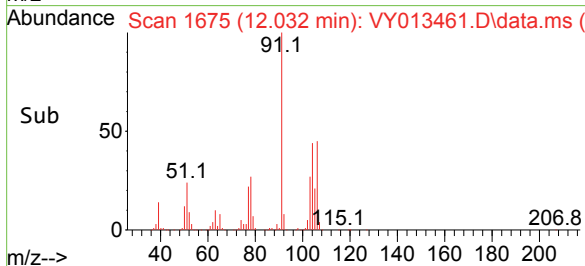
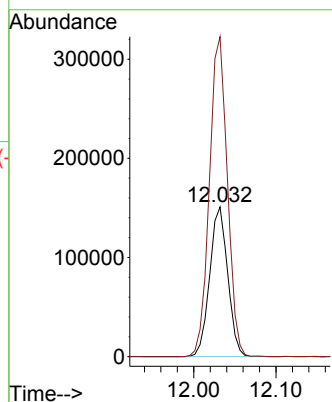
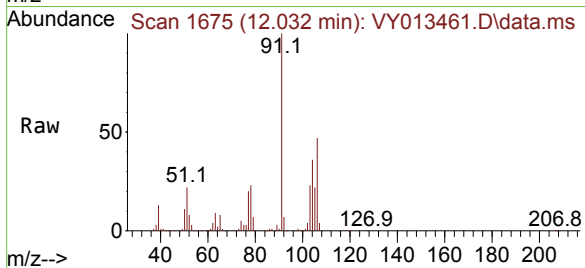
VSTDCCC050

Tgt Ion:106 Resp: 229359

Ion Ratio Lower Upper

106 100

91 213.8 105.5 316.4



#70

Styrene

Concen: 57.030 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

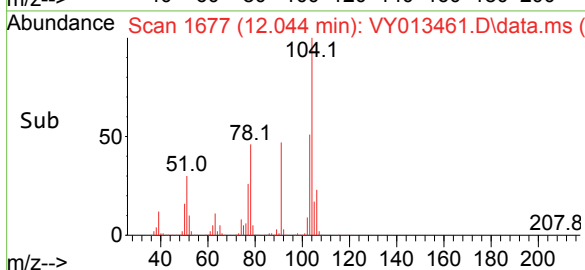
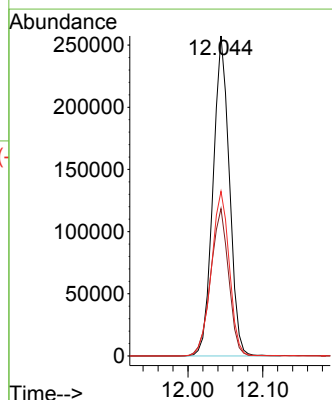
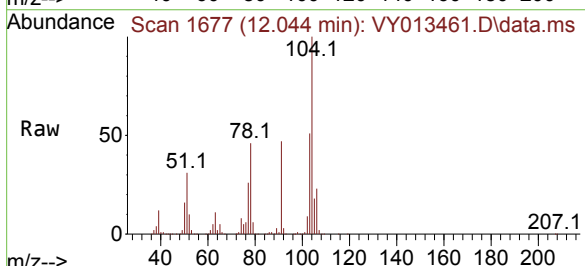
Tgt Ion:104 Resp: 390645

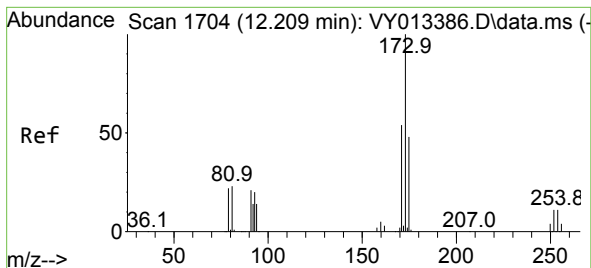
Ion Ratio Lower Upper

104 100

78 50.6 40.3 60.5

103 56.6 45.0 67.4





#71

Bromoform

Concen: 53.239 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

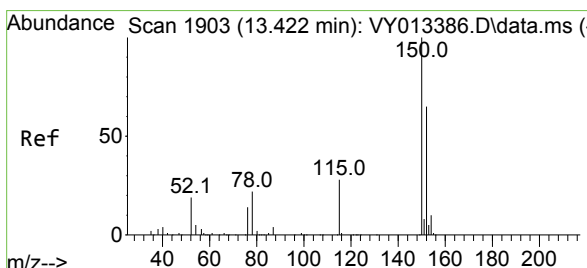
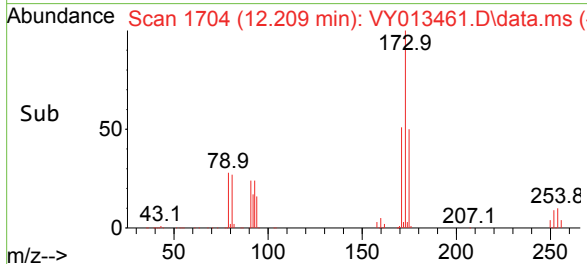
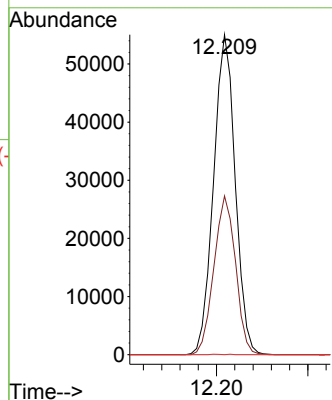
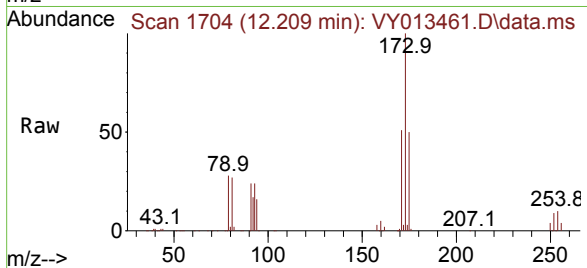
Tgt Ion:173 Resp: 90500

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

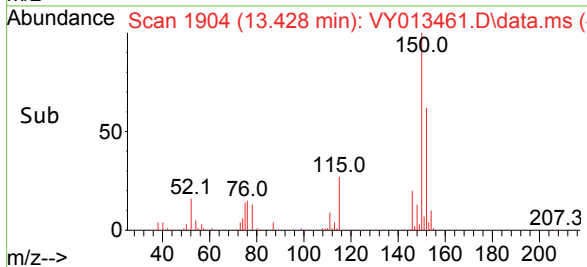
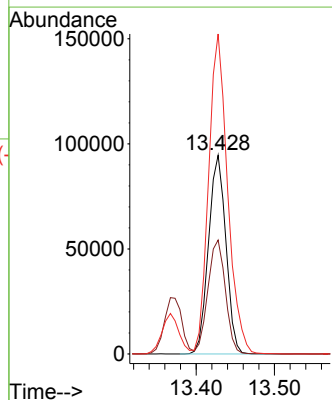
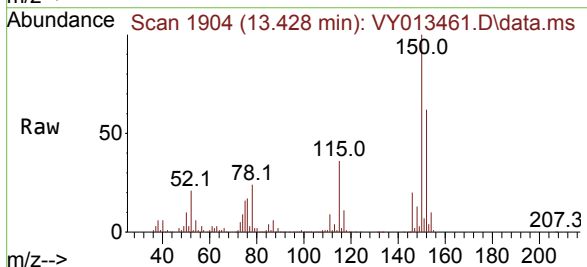
Tgt Ion:152 Resp: 145643

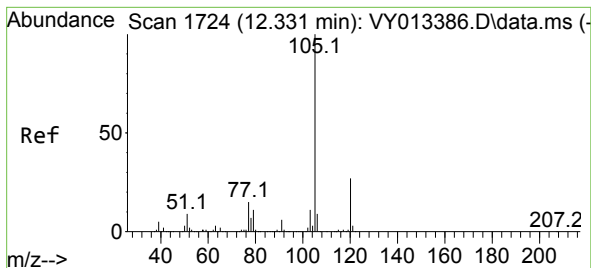
Ion Ratio Lower Upper

152 100

115 57.6 28.1 84.2

150 176.3 0.0 352.0





#73

Isopropylbenzene

Concen: 53.997 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

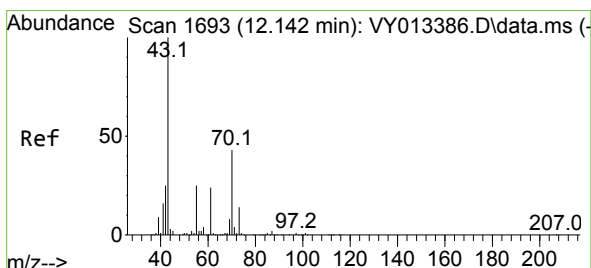
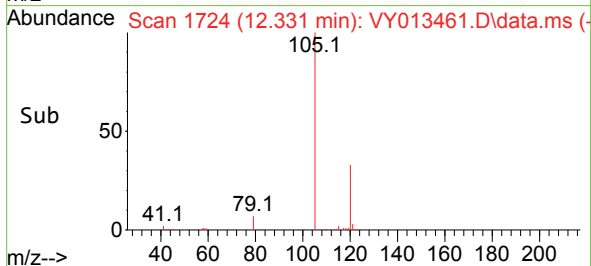
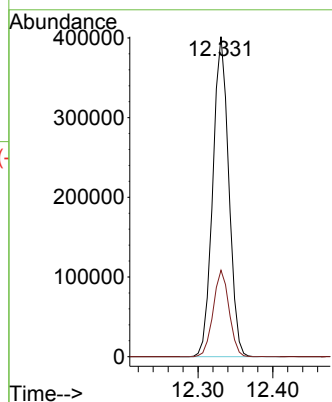
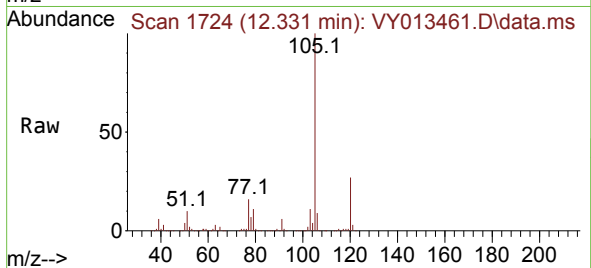
VSTDCCC050

Tgt Ion:105 Resp: 594824

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



#74

N-ethyl acetate

Concen: 51.598 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Tgt Ion: 43 Resp: 202270

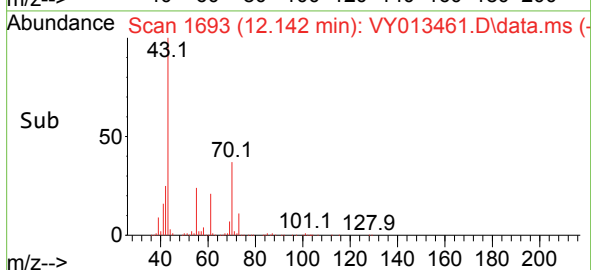
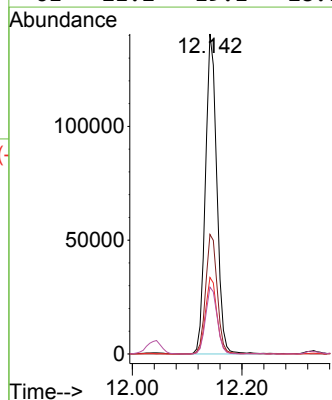
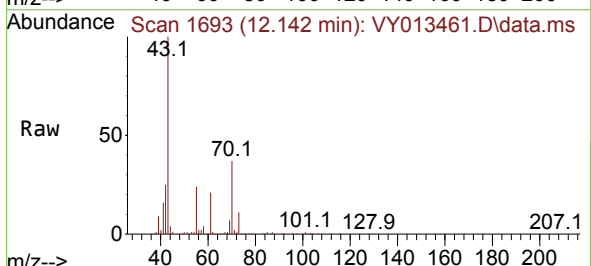
Ion Ratio Lower Upper

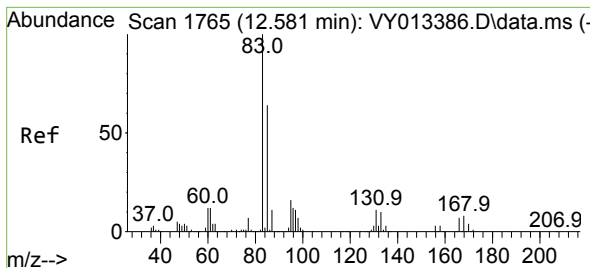
43 100

70 38.1 33.0 49.4

55 24.0 19.8 29.6

61 21.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.530 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

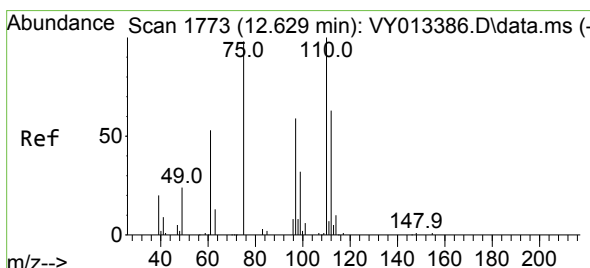
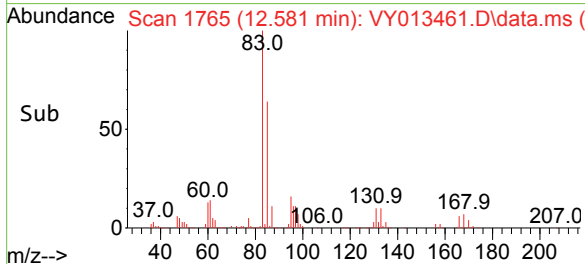
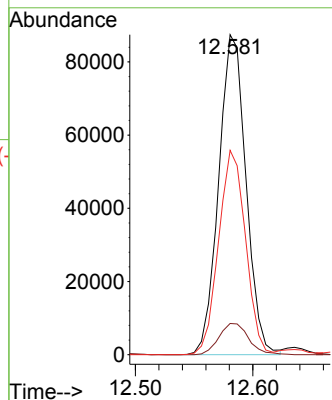
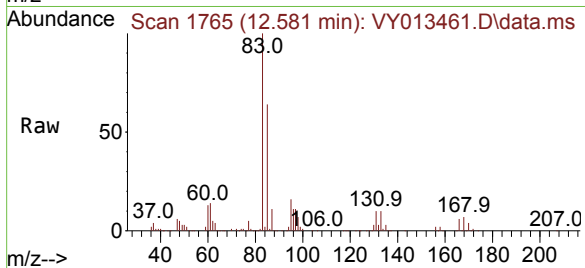
Tgt Ion: 83 Resp: 141441

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.0

85 63.0 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 92.777 ug/l

RT: 12.635 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY013461.D

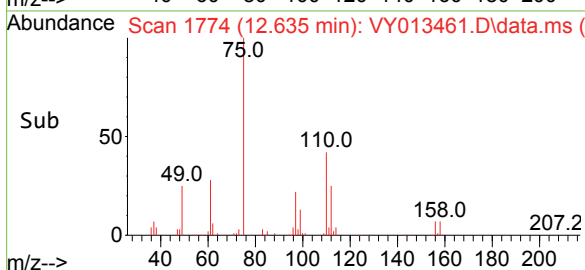
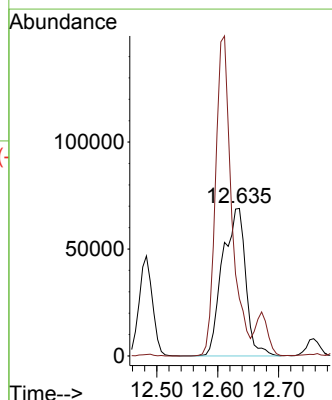
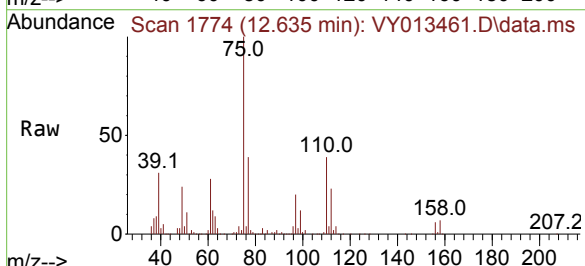
Acq: 26 Apr 2023 09:51

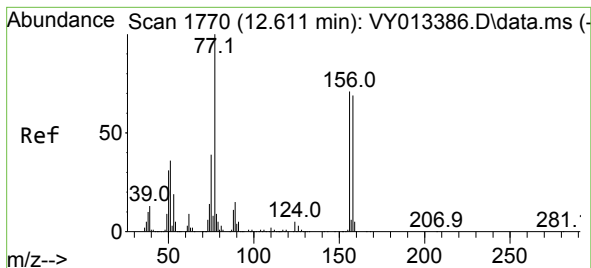
Tgt Ion: 75 Resp: 182229

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 55.012 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

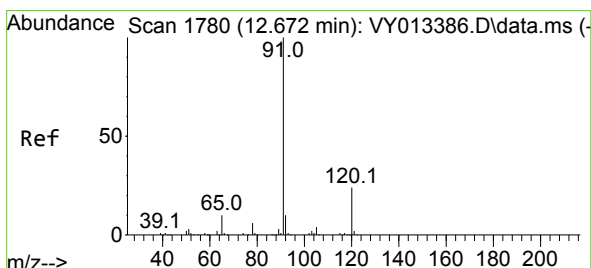
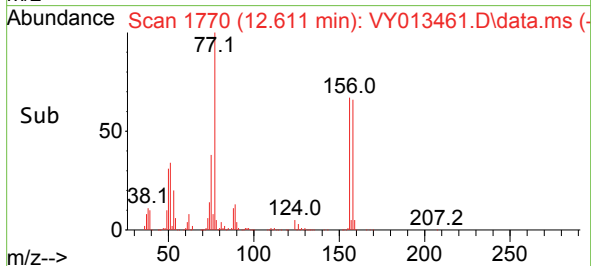
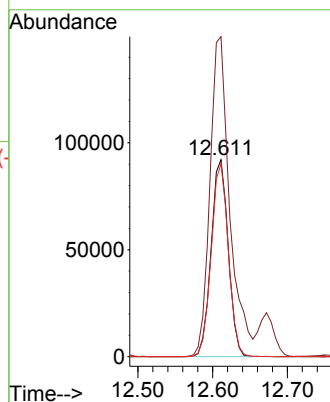
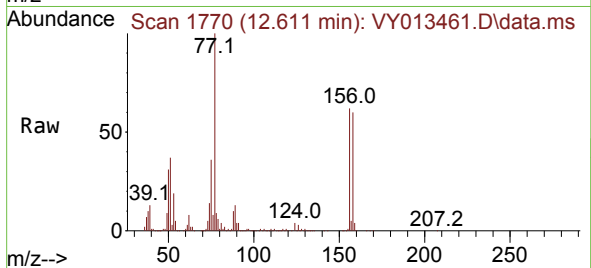
Tgt Ion:156 Resp: 146837

Ion Ratio Lower Upper

156 100

77 187.8 87.6 262.9

158 97.5 48.5 145.5



#78

n-propylbenzene

Concen: 55.028 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013461.D

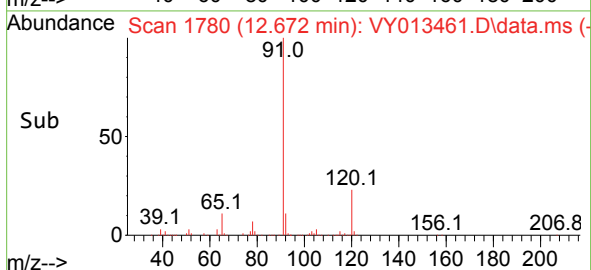
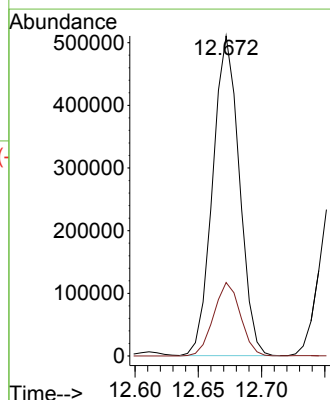
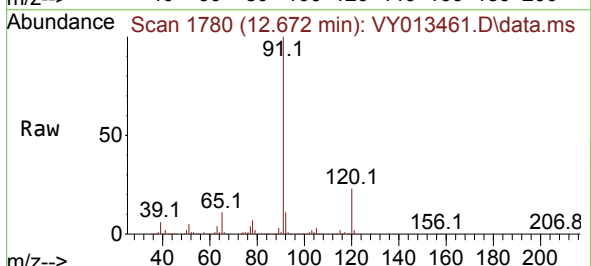
Acq: 26 Apr 2023 09:51

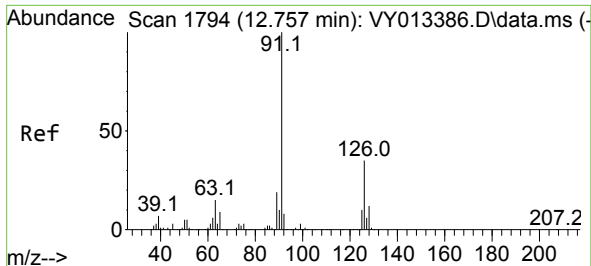
Tgt Ion: 91 Resp: 746656

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.9

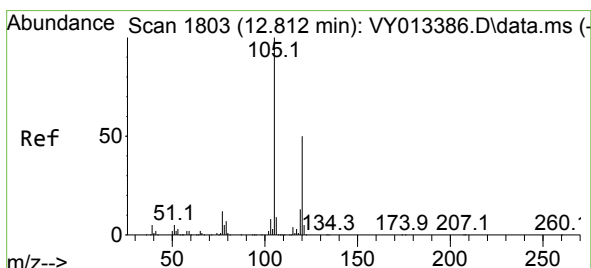
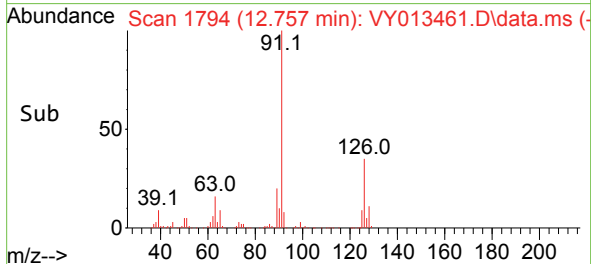
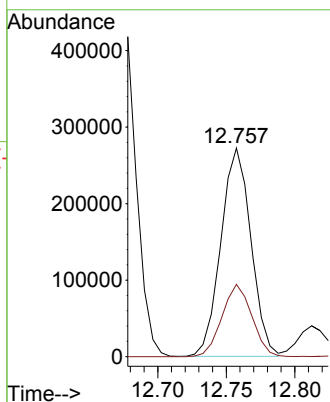
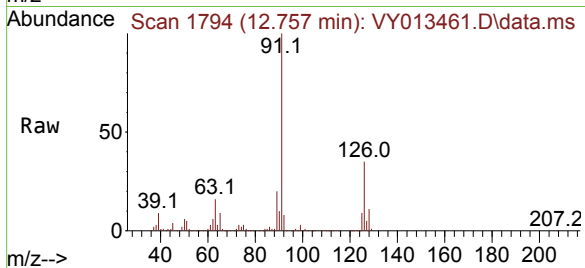




#79  
2-Chlorotoluene  
Concen: 54.900 ug/l  
RT: 12.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

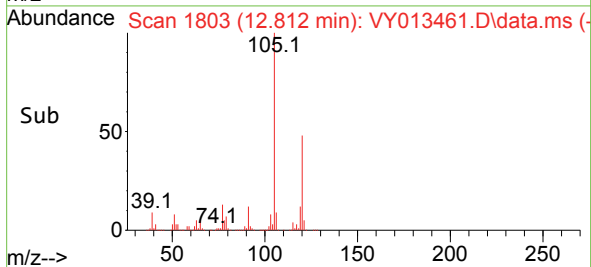
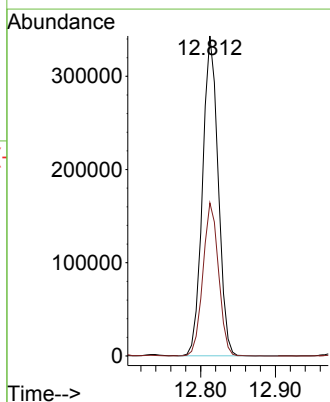
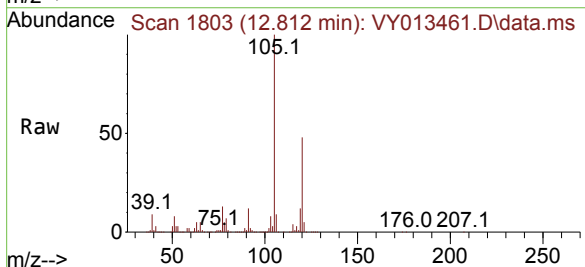
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

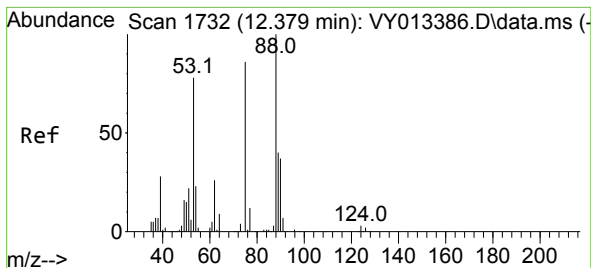
Tgt Ion: 91 Resp: 415985  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 55.325 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 105 Resp: 497436  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.7 74.1

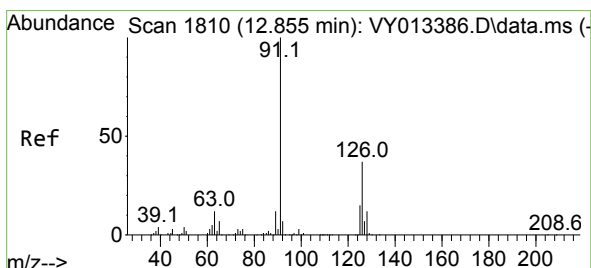
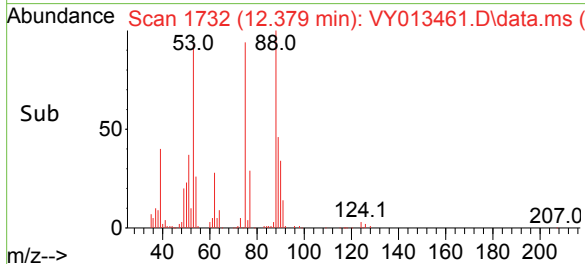
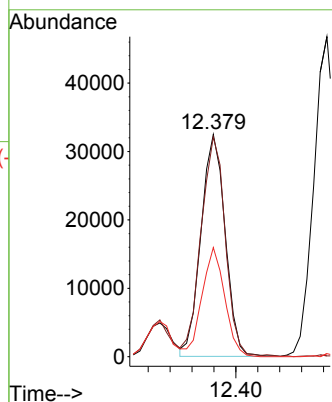
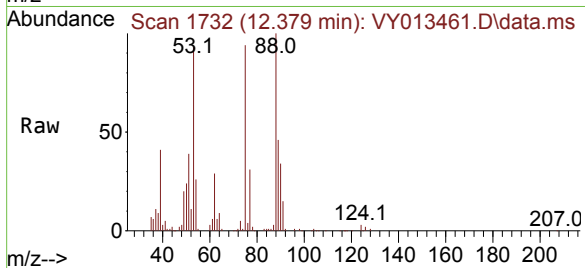




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.750 ug/l  
RT: 12.379 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

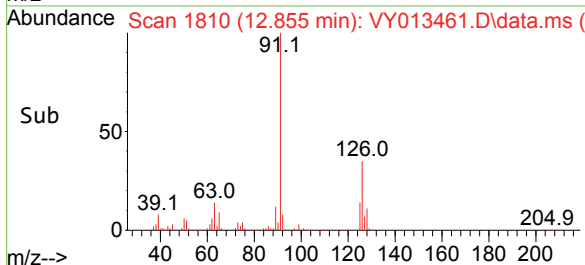
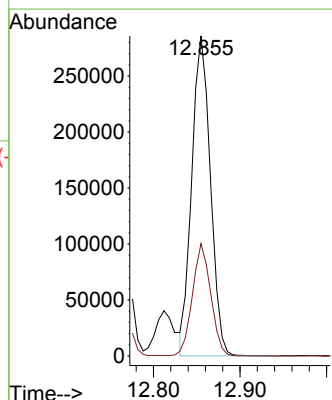
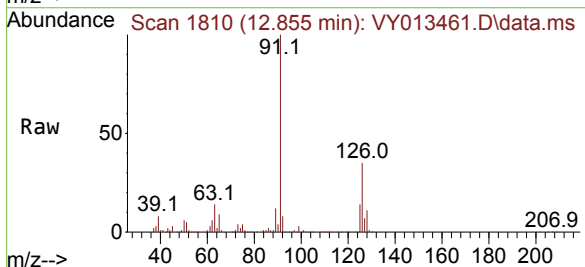
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

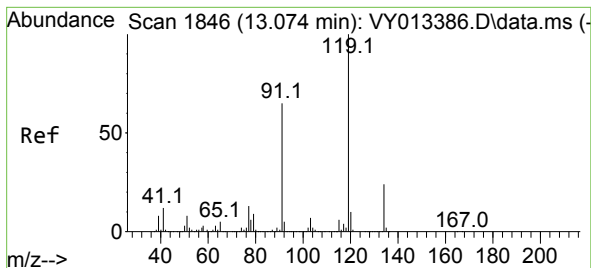
Tgt Ion: 75 Resp: 49691  
Ion Ratio Lower Upper  
75 100  
53 99.9 73.2 109.8  
89 46.6 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 53.963 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 91 Resp: 426171  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.9 53.8





#83

tert-Butylbenzene

Concen: 53.975 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

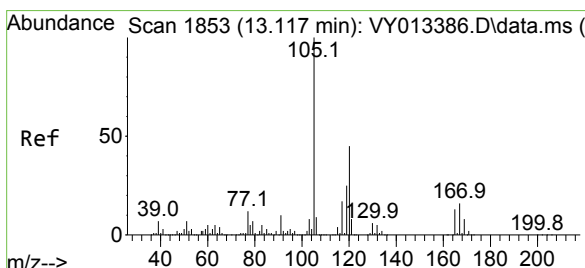
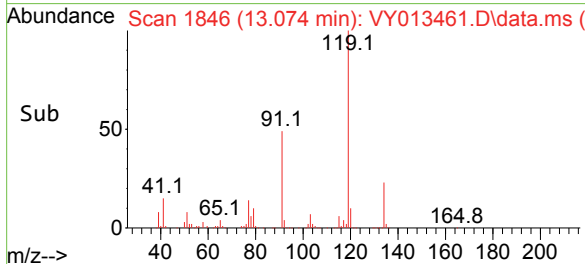
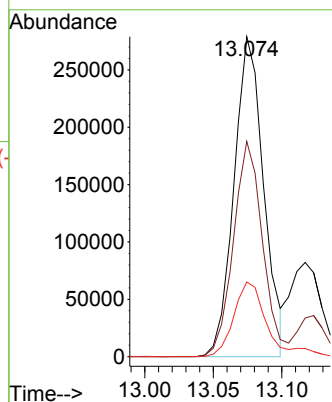
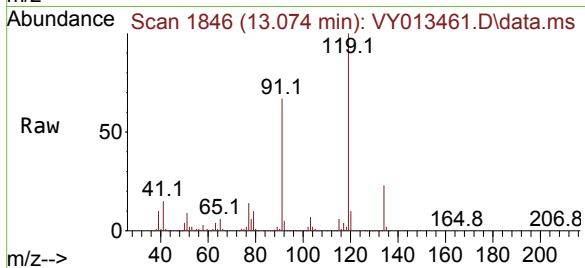
Tgt Ion:119 Resp: 420445

Ion Ratio Lower Upper

119 100

91 66.3 32.2 96.6

134 26.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 56.309 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY013461.D

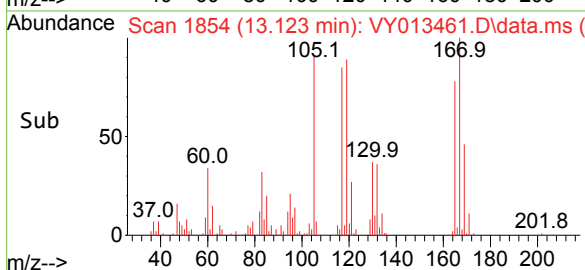
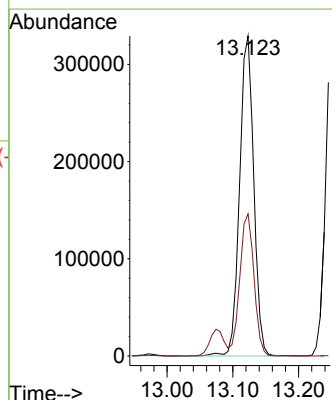
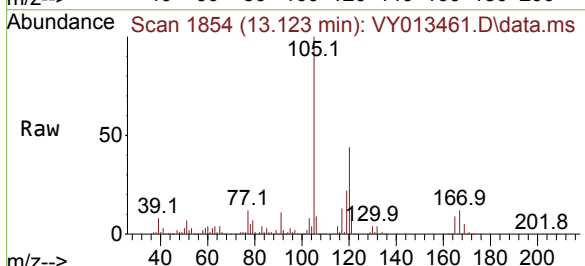
Acq: 26 Apr 2023 09:51

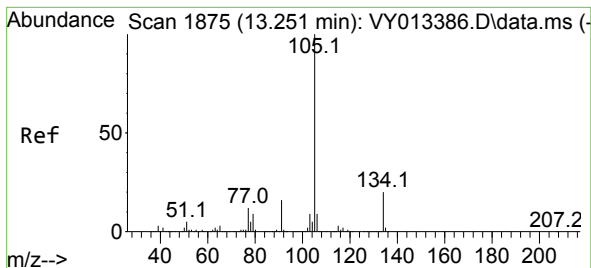
Tgt Ion:105 Resp: 492223

Ion Ratio Lower Upper

105 100

120 44.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 54.492 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

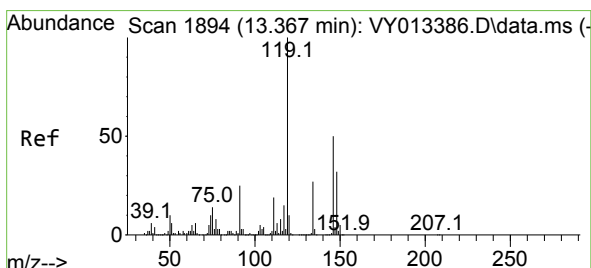
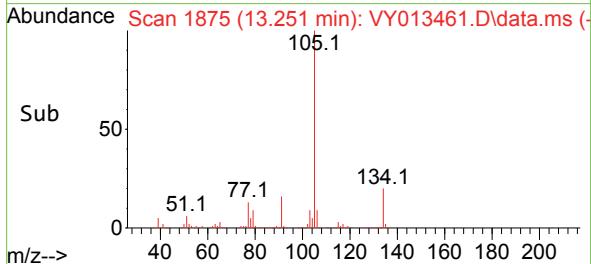
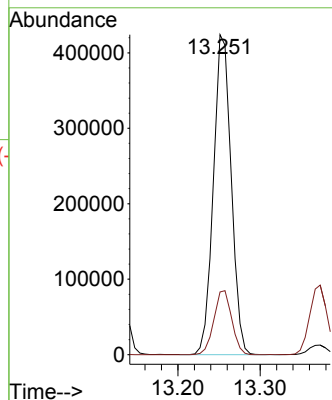
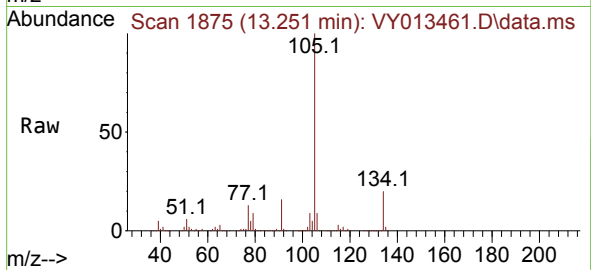
VSTDCCC050

Tgt Ion:105 Resp: 637059

Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.9



#86

p-Isopropyltoluene

Concen: 55.671 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

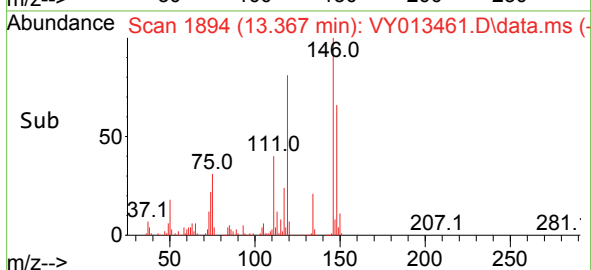
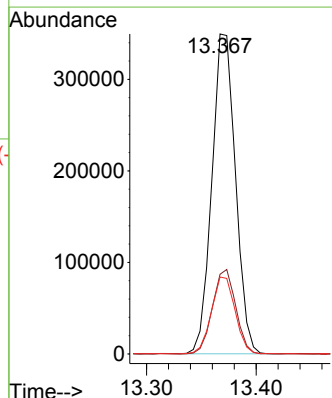
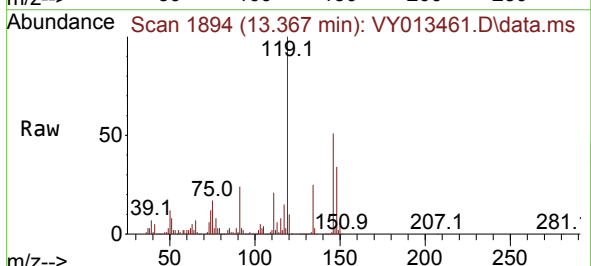
Tgt Ion:119 Resp: 523388

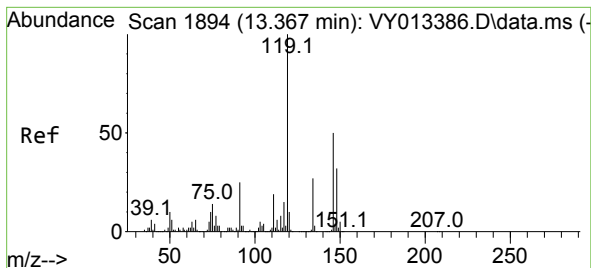
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.2

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 54.750 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

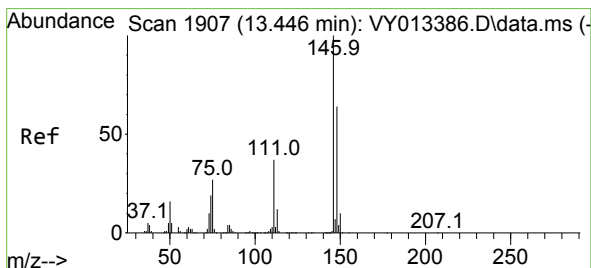
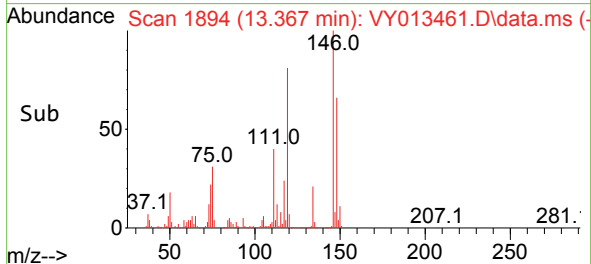
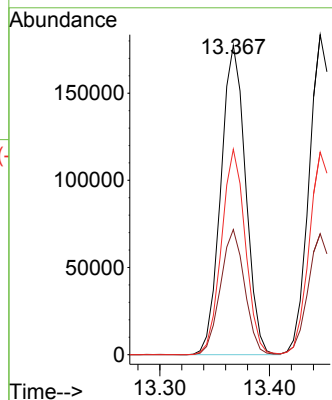
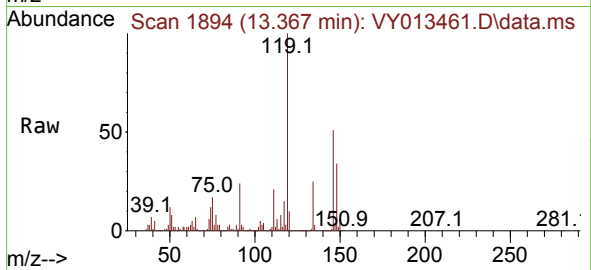
Tgt Ion:146 Resp: 278420

Ion Ratio Lower Upper

146 100

111 39.5 19.3 57.9

148 64.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 54.261 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

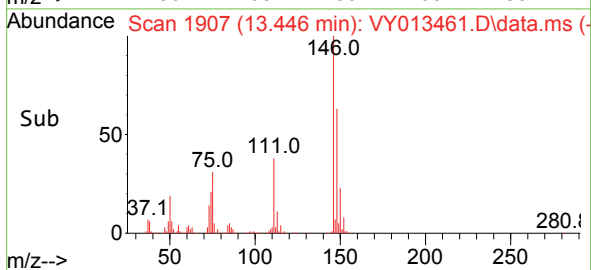
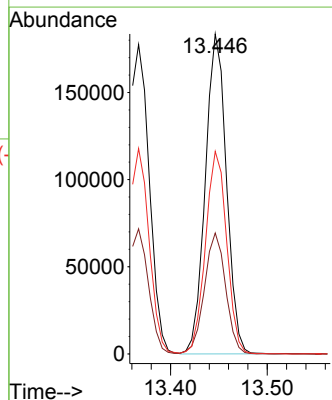
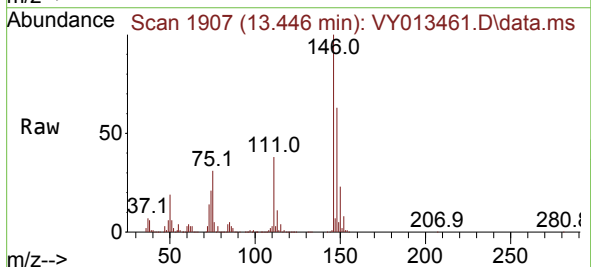
Tgt Ion:146 Resp: 278734

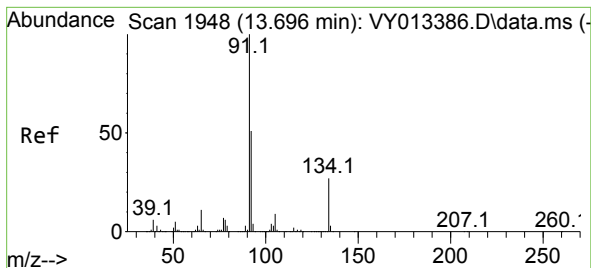
Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.5

148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 55.128 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

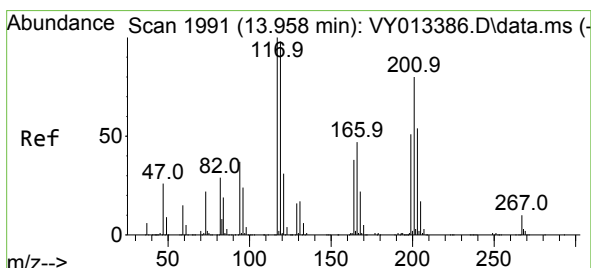
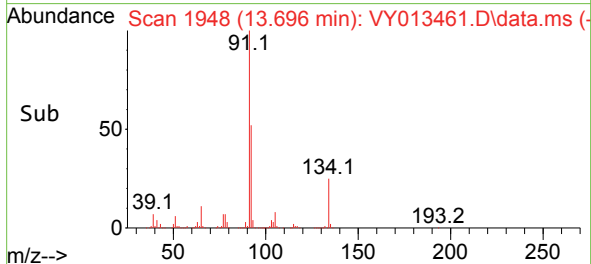
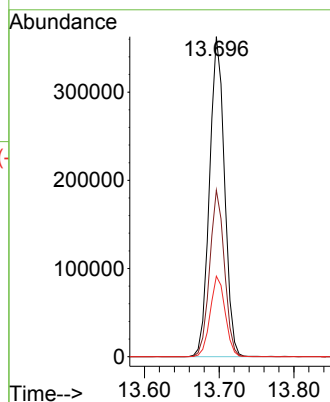
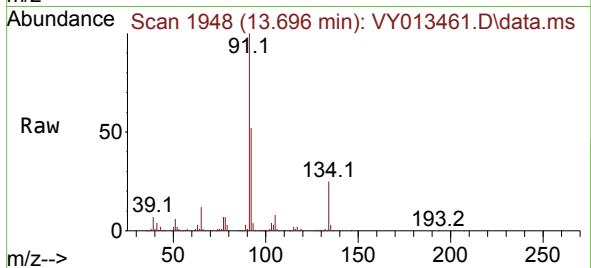
Tgt Ion: 91 Resp: 505853

Ion Ratio Lower Upper

91 100

92 51.1 25.8 77.3

134 25.2 13.5 40.4



#90

Hexachloroethane

Concen: 53.555 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY013461.D

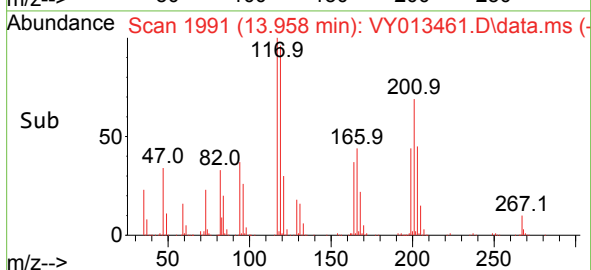
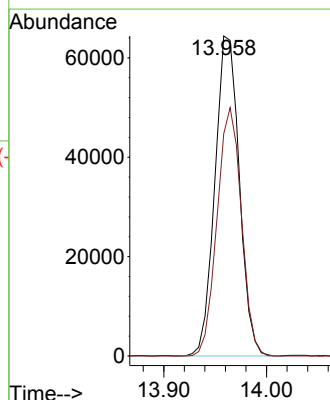
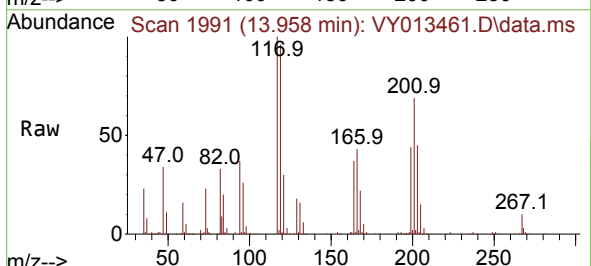
Acq: 26 Apr 2023 09:51

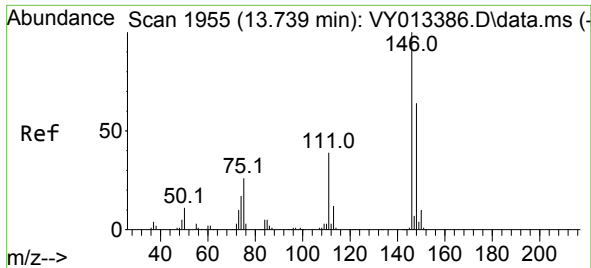
Tgt Ion: 117 Resp: 105967

Ion Ratio Lower Upper

117 100

201 77.4 41.6 124.8

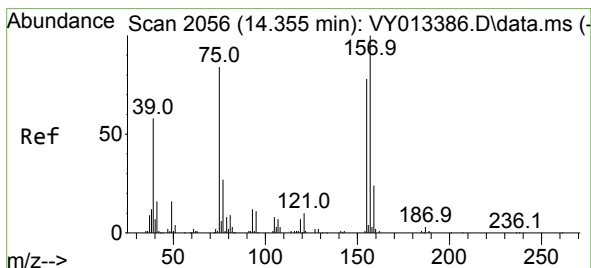
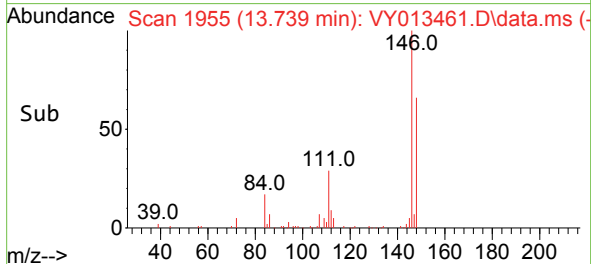
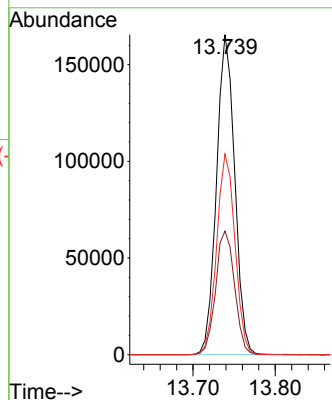
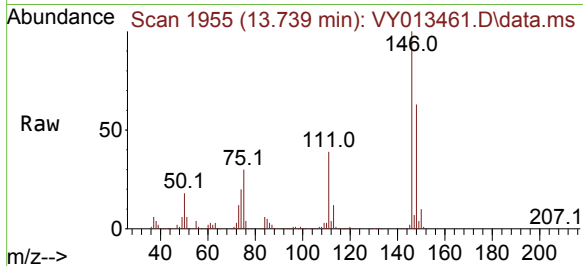




#91  
1,2-Dichlorobenzene  
Concen: 55.518 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

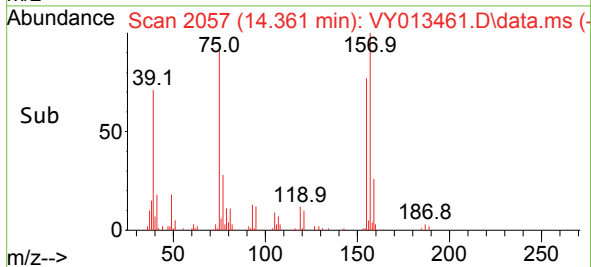
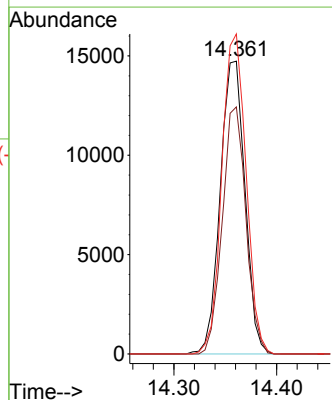
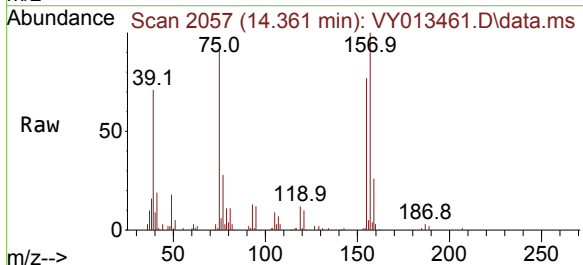
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

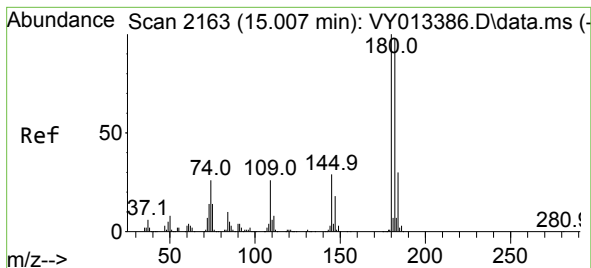
Tgt Ion:146 Resp: 254949  
Ion Ratio Lower Upper  
146 100  
111 40.1 19.8 59.4  
148 63.0 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.716 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY013461.D  
Acq: 26 Apr 2023 09:51

Tgt Ion: 75 Resp: 24593  
Ion Ratio Lower Upper  
75 100  
155 80.6 44.6 134.0  
157 107.2 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 57.066 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

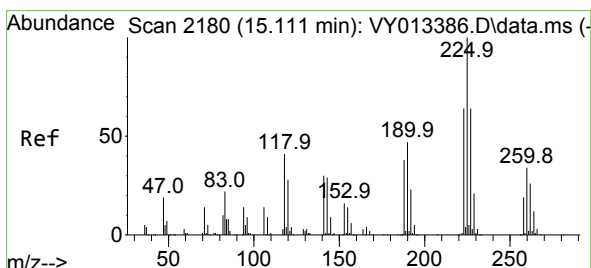
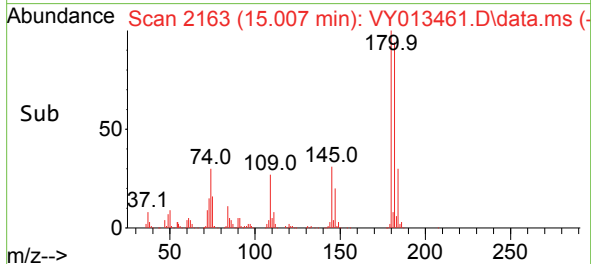
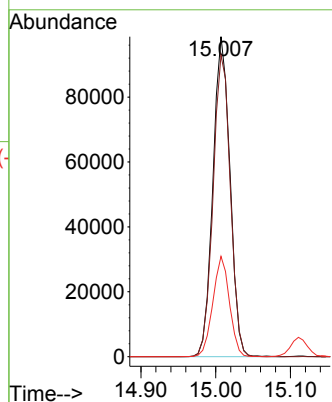
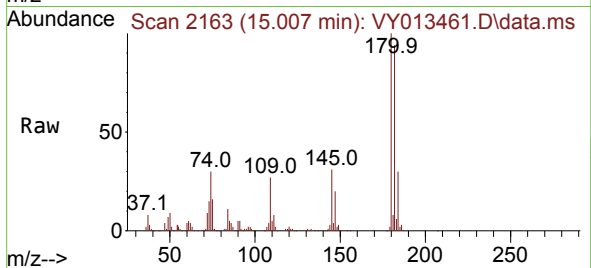
Tgt Ion:180 Resp: 156239

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.5

145 30.5 15.0 45.0



#94

Hexachlorobutadiene

Concen: 57.445 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

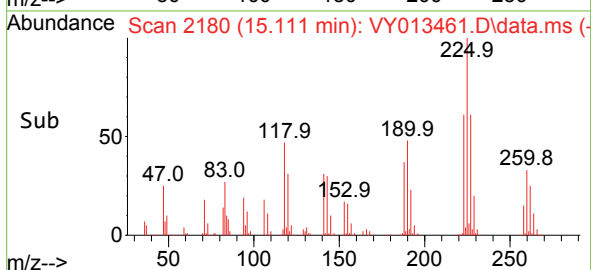
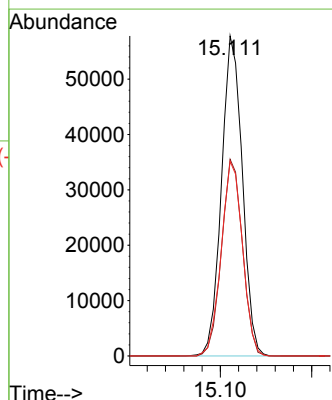
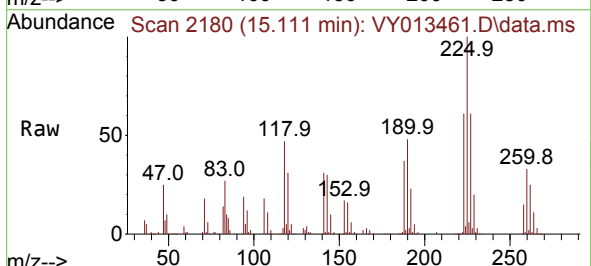
Tgt Ion:225 Resp: 91532

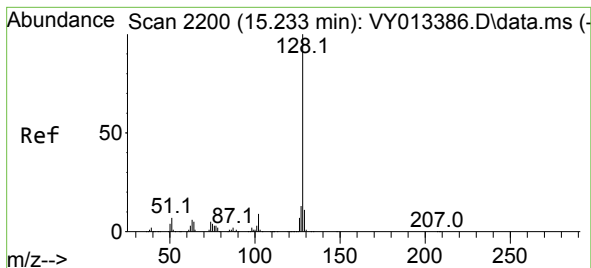
Ion Ratio Lower Upper

225 100

223 61.7 31.4 94.2

227 62.2 32.0 96.0





#95

Naphthalene

Concen: 57.310 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

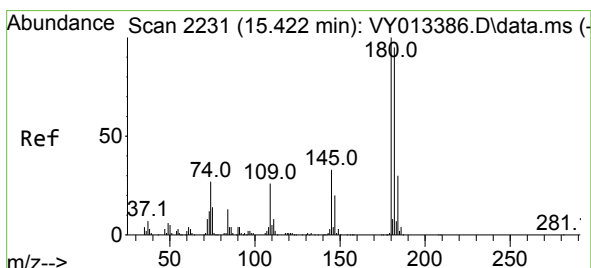
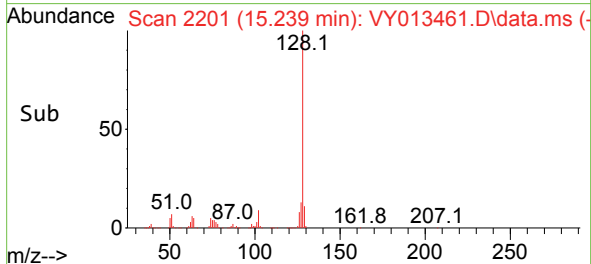
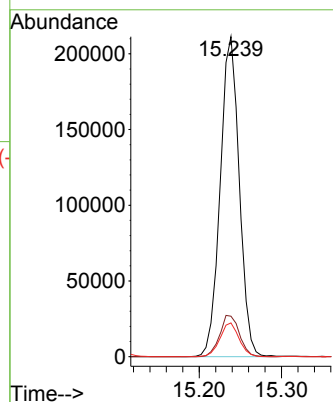
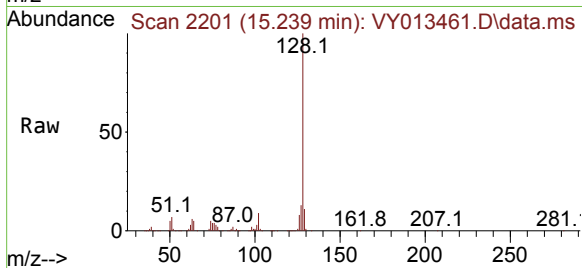
Tgt Ion:128 Resp: 340443

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.6 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 58.643 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013461.D

Acq: 26 Apr 2023 09:51

Tgt Ion:180 Resp: 143104

Ion Ratio Lower Upper

180 100

182 95.3 47.1 141.3

145 31.9 15.9 47.7

