

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042722\  
 Data File : VY008514.D  
 Acq On : 27 Apr 2022 09:27  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 27 15:27:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 101532   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 170073   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 162564   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 84462    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 61070    | 51.120   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.240% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 60254    | 54.895   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.800% |      |
| 50) Toluene-d8              | 10.179 | 98    | 237096   | 54.021   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.040% |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 80682    | 54.589   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 109.180% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 41911  | 45.456  | ug/l   | 99  |
| 3) Chloromethane             | 2.113 | 50  | 75307  | 51.905  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.253 | 62  | 105190 | 55.797  | ug/l   | 97  |
| 5) Bromomethane              | 2.650 | 94  | 90201  | 51.458  | ug/l   | 98  |
| 6) Chloroethane              | 2.796 | 64  | 70960  | 56.579  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 95207  | 48.751  | ug/l   | 92  |
| 8) Diethyl Ether             | 3.534 | 74  | 30796  | 45.817  | ug/l   | 76  |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 57669  | 49.605  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.095 | 142 | 66305  | 43.515  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 4.948 | 59  | 25903  | 210.208 | ug/l # | 92  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 52789  | 48.097  | ug/l   | 81  |
| 13) Acrolein                 | 3.729 | 56  | 26315  | 206.894 | ug/l   | 97  |
| 14) Allyl chloride           | 4.479 | 41  | 73426  | 51.255  | ug/l # | 90  |
| 15) Acrylonitrile            | 5.161 | 53  | 81173  | 236.194 | ug/l   | 98  |
| 16) Acetone                  | 3.948 | 43  | 65373  | 234.937 | ug/l   | 90  |
| 17) Carbon Disulfide         | 4.198 | 76  | 159264 | 47.997  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.479 | 43  | 34503  | 44.214  | ug/l # | 82  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 163127 | 46.972  | ug/l   | 94  |
| 20) Methylene Chloride       | 4.716 | 84  | 63289  | 42.852  | ug/l # | 83  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 65545  | 48.957  | ug/l   | 85  |
| 22) Diisopropyl ether        | 6.112 | 45  | 174405 | 50.413  | ug/l # | 92  |
| 23) Vinyl Acetate            | 6.058 | 43  | 603856 | 254.594 | ug/l # | 89  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 108941 | 50.589  | ug/l   | 98  |
| 25) 2-Butanone               | 6.984 | 43  | 105726 | 245.598 | ug/l # | 77  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 103468 | 51.877  | ug/l   | 93  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 76418  | 49.900  | ug/l   | 83  |
| 28) Bromochloromethane       | 7.332 | 49  | 42693  | 49.149  | ug/l # | 76  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 67974  | 245.158 | ug/l # | 78  |
| 30) Chloroform               | 7.502 | 83  | 119520 | 50.520  | ug/l   | 100 |
| 31) Cyclohexane              | 7.783 | 56  | 98165  | 49.983  | ug/l # | 83  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 109090 | 52.661  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 92692  | 53.089  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.070 | 43  | 46469  | 48.125  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 97866  | 53.949  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.185 | 83  | 123298 | 55.154  | ug/l # | 84  |
| 40) Benzene                  | 8.161 | 78  | 269762 | 52.959  | ug/l   | 97  |

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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 15:27:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 62117    | 132.656  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 77525    | 50.552   | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 92704    | 52.203   | ug/l # | 89       |
| 44) Trichloroethene           | 8.941  | 130  | 74738    | 53.258   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 65733    | 53.739   | ug/l   | 94       |
| 46) Dibromomethane            | 9.307  | 93   | 43734    | 51.033   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.496  | 83   | 96506    | 53.049   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.295  | 41   | 40683    | 53.879   | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 10874    | 1006.257 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 245345   | 262.628  | ug/l # | 86       |
| 52) Toluene                   | 10.246 | 92   | 183658   | 54.521   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 103936   | 53.276   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 111852   | 51.738   | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 60574    | 51.788   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 79961    | 52.946   | ug/l # | 77       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 98971    | 51.835   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 206921   | 249.999  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.831 | 43   | 174674   | 271.710  | ug/l   | 84       |
| 60) Dibromochloromethane      | 10.990 | 129  | 72532    | 53.975   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 60544    | 52.335   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 65315    | 54.179   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.520 | 112  | 196588   | 53.482   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 74457    | 54.866   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.593 | 91   | 354885   | 55.631   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 284243   | 111.237  | ug/l   | 92       |
| 69) o-Xylene                  | 12.032 | 106  | 135106   | 54.920   | ug/l   | 91       |
| 70) Styrene                   | 12.044 | 104  | 230697   | 55.648   | ug/l   | 94       |
| 71) Bromoform                 | 12.209 | 173  | 45265    | 53.223   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 356065   | 55.602   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 84937    | 53.679   | ug/l # | 82       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 74610    | 52.144   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 93214    | 85.277   | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 80868    | 51.779   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 432040   | 56.246   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 235730   | 54.527   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 291050   | 54.755   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 25806    | 54.769   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 243666   | 54.390   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 265637   | 57.567   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 297281   | 56.366   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 399147   | 57.317   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 336360   | 57.675   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 171125   | 54.729   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 165432   | 53.410   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 308808   | 58.339   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 60582    | 57.779   | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 147878   | 53.189   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 10744    | 49.965   | ug/l   | 79       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 80017    | 51.704   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 41779    | 55.329   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 178403   | 50.851   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 69790    | 51.522   | 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

Quant Time: Apr 27 15:27:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 21 14:28:40 2022  
Response via : Initial Calibration

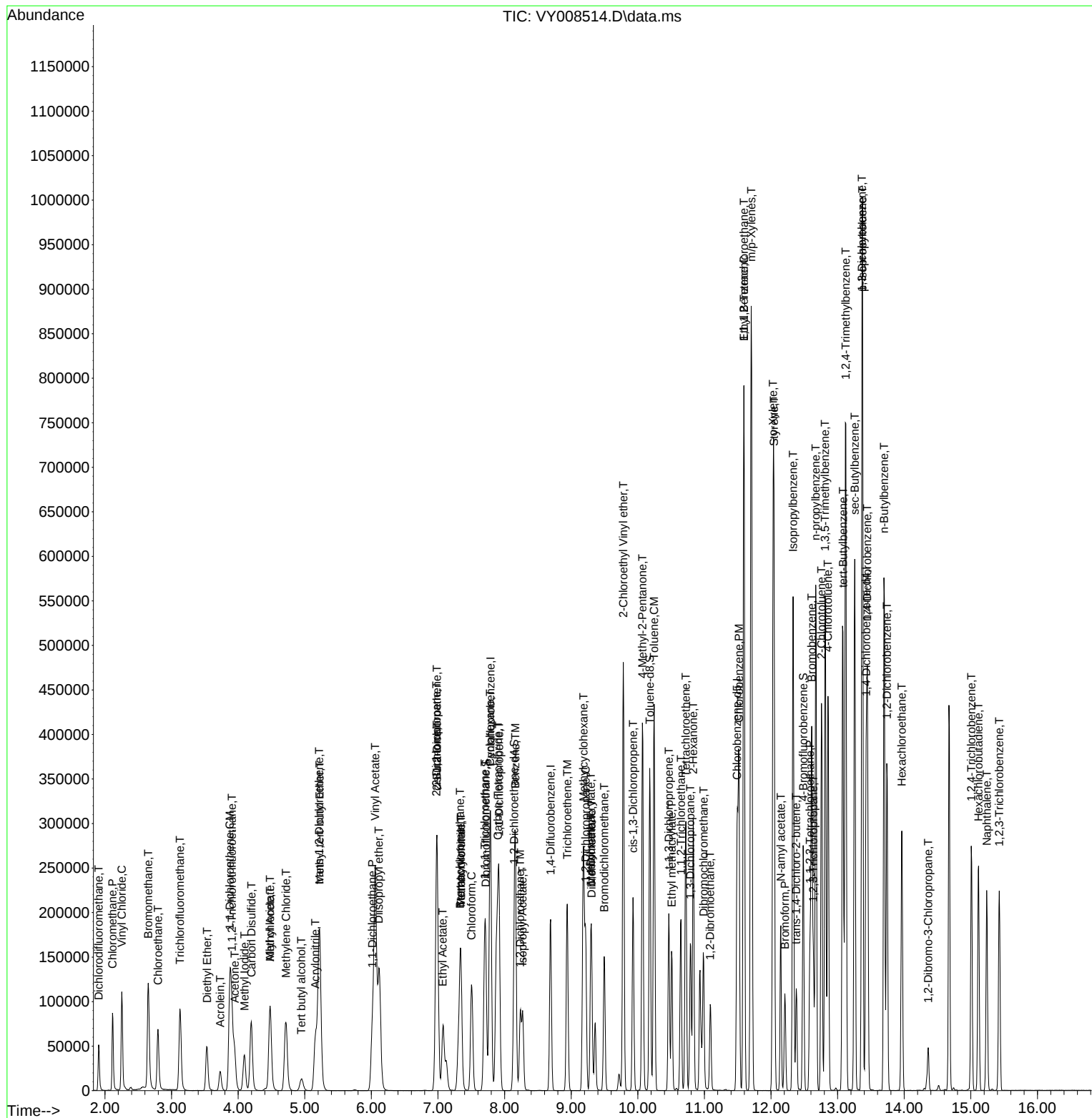
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

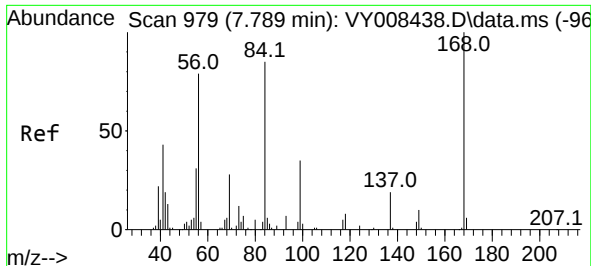
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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
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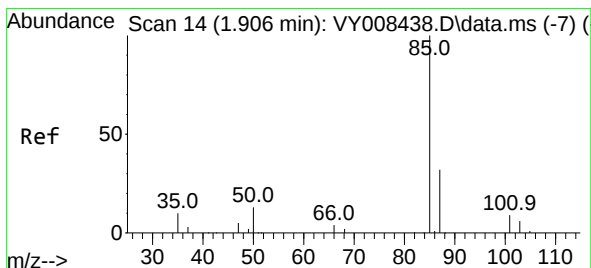
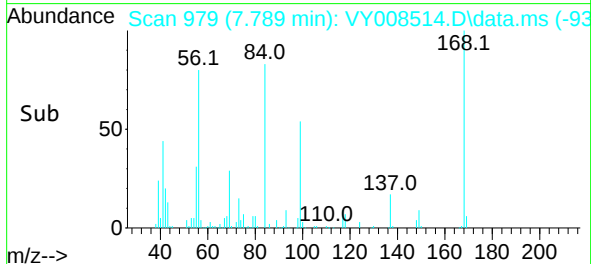
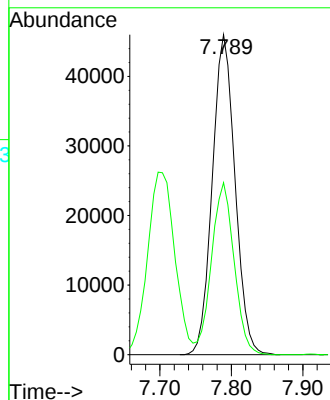
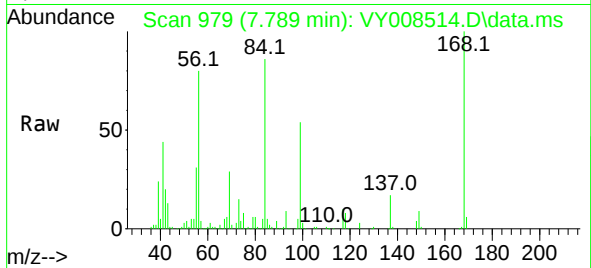




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

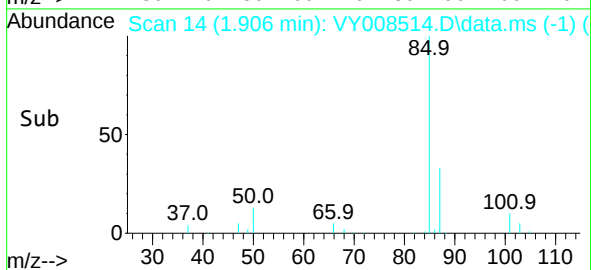
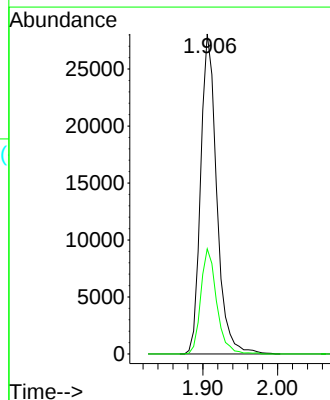
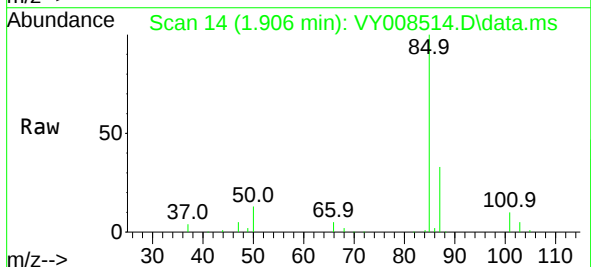
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

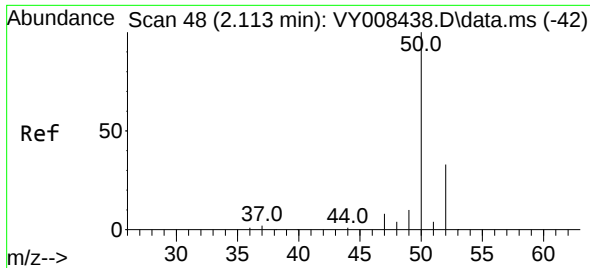
Tgt Ion:168 Resp: 101532  
Ion Ratio Lower Upper  
168 100  
99 53.8 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 45.456 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 85 Resp: 41911  
Ion Ratio Lower Upper  
85 100  
87 32.8 16.1 48.2

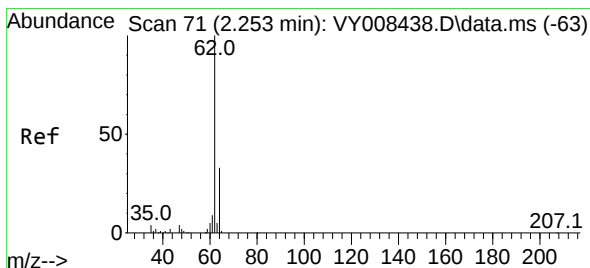
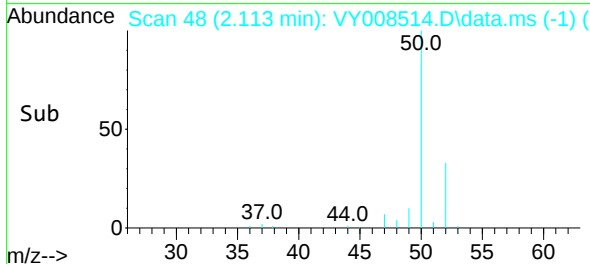
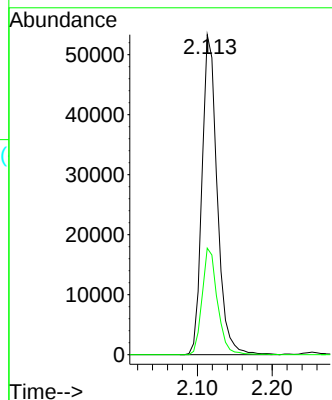
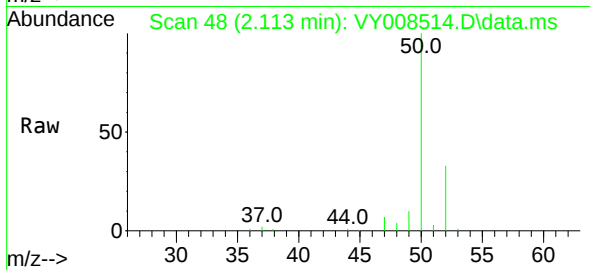




#3  
Chloromethane  
Concen: 51.905 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

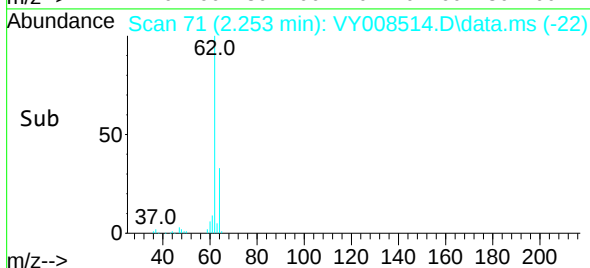
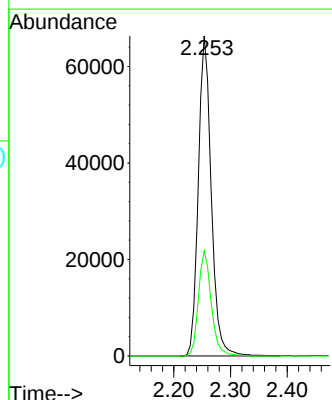
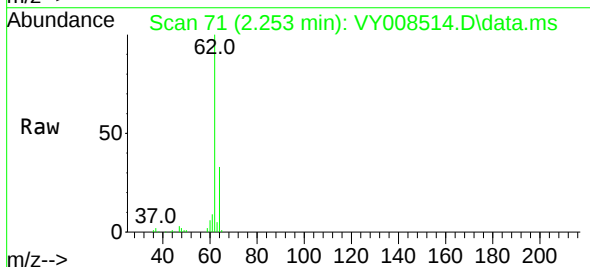
Instrument :  
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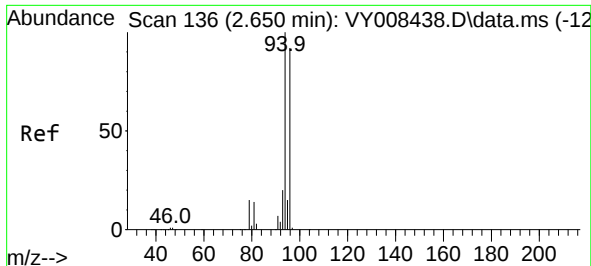
Tgt Ion: 50 Resp: 75307  
Ion Ratio Lower Upper  
50 100  
52 33.3 24.6 37.0



#4  
Vinyl Chloride  
Concen: 55.797 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 62 Resp: 105190  
Ion Ratio Lower Upper  
62 100  
64 32.9 25.0 37.6

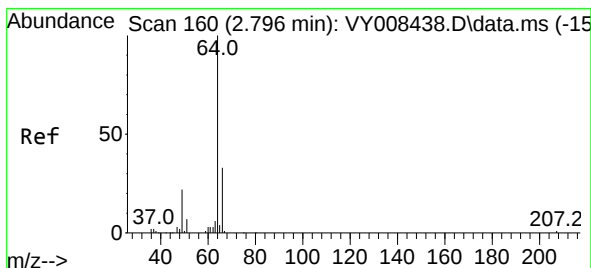
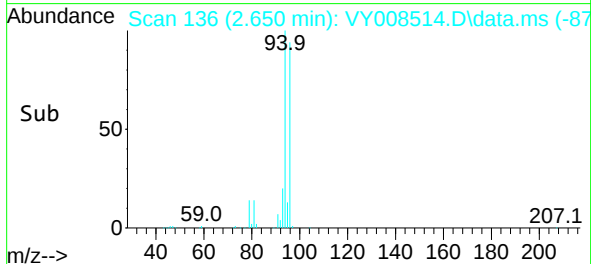
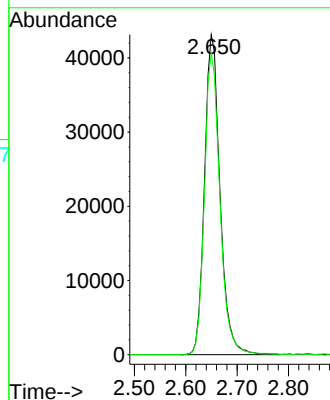
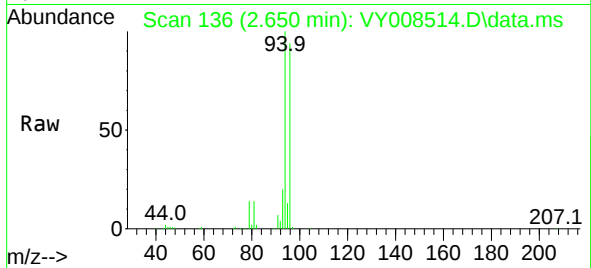




#5  
Bromomethane  
Concen: 51.458 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

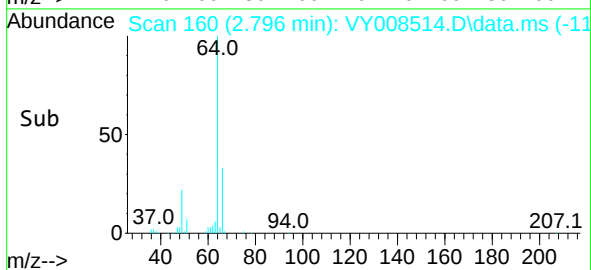
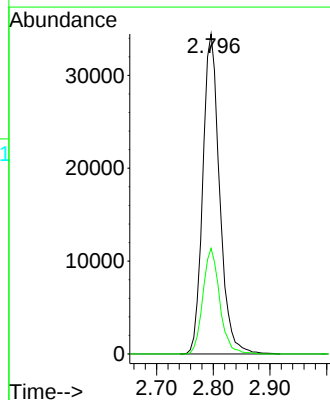
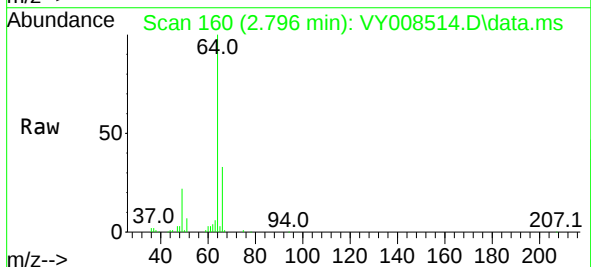
Instrument :  
MSVOA\_Y  
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VSTDCCC050

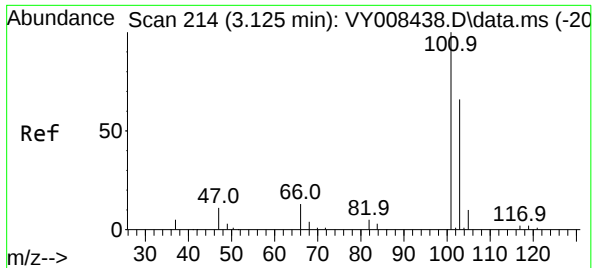
Tgt Ion: 94 Resp: 90201  
Ion Ratio Lower Upper  
94 100  
96 94.1 73.5 110.3



#6  
Chloroethane  
Concen: 56.579 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 64 Resp: 70960  
Ion Ratio Lower Upper  
64 100  
66 33.0 25.4 38.0

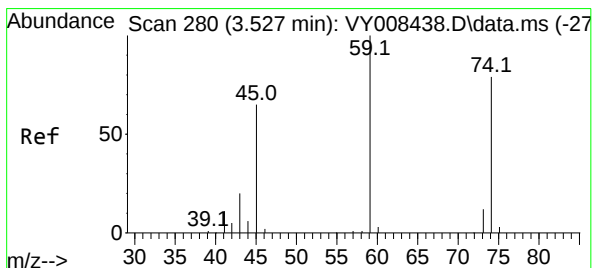
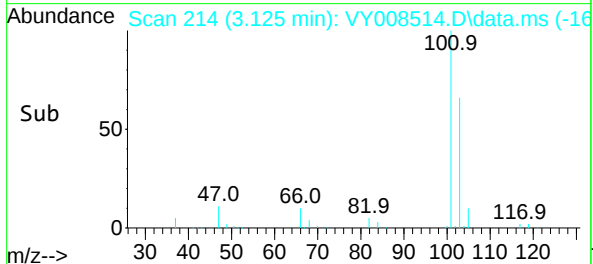
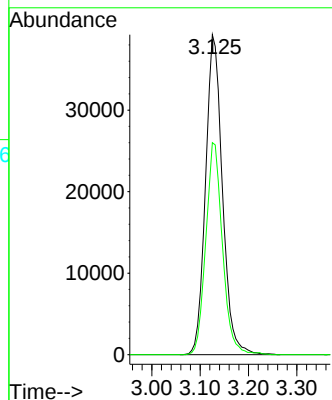
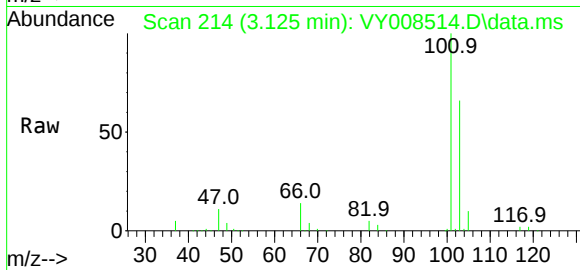




#7  
Trichlorofluoromethane  
Concen: 48.751 ug/l  
RT: 3.125 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

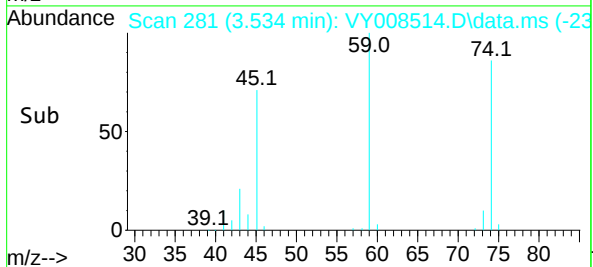
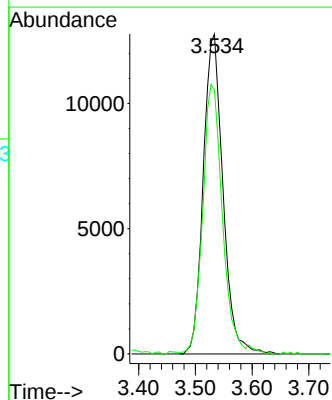
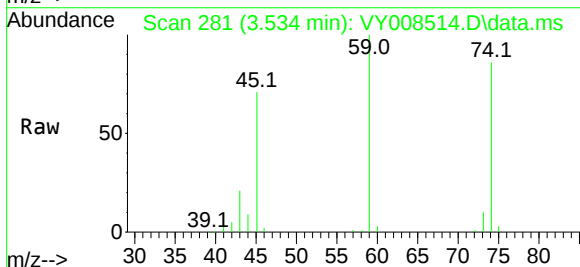
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

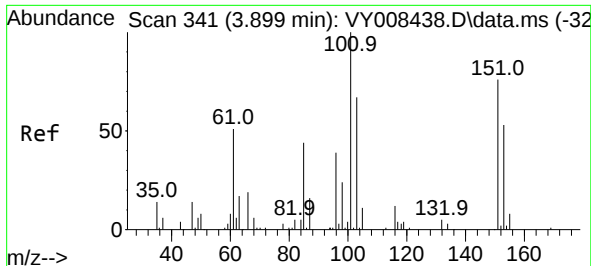
Tgt Ion:101 Resp: 95207  
Ion Ratio Lower Upper  
101 100  
103 66.3 48.0 72.0



#8  
Diethyl Ether  
Concen: 45.817 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.007 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 74 Resp: 30796  
Ion Ratio Lower Upper  
74 100  
45 84.9 55.1 165.5

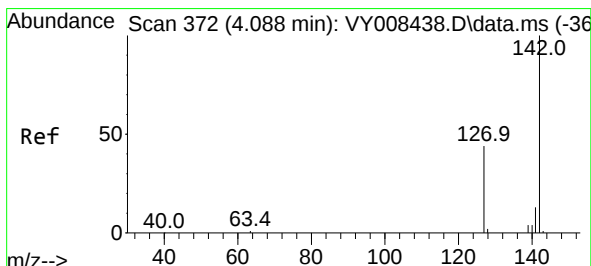
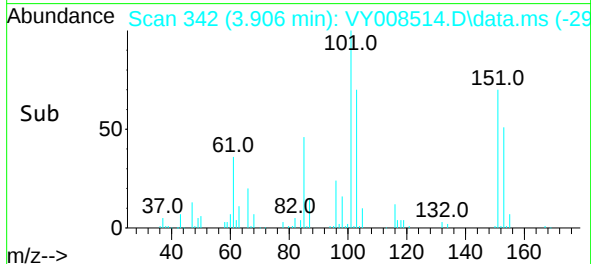
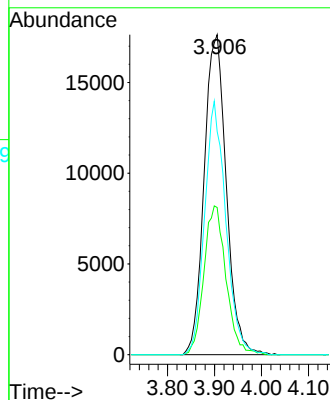
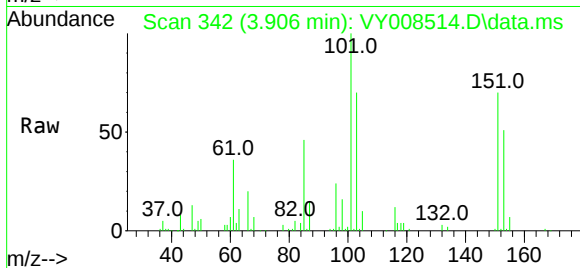




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.605 ug/l  
RT: 3.906 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

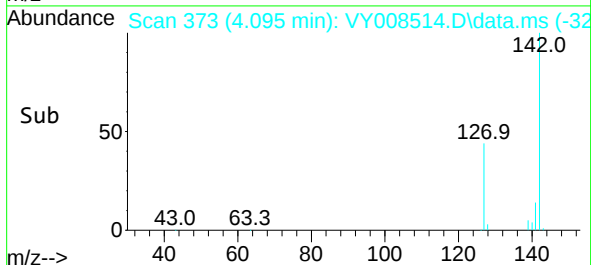
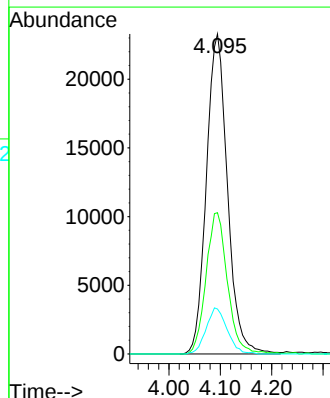
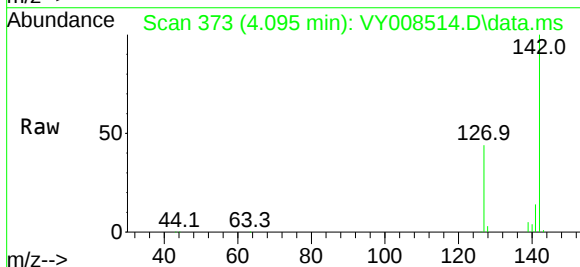
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

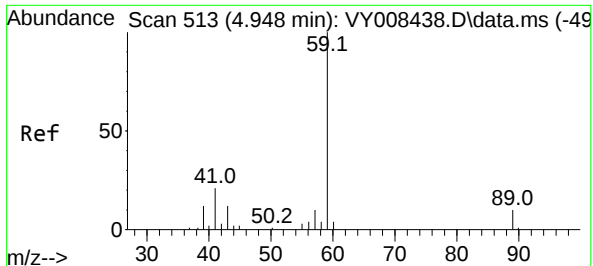
Tgt Ion:101 Resp: 57669  
Ion Ratio Lower Upper  
101 100  
85 46.4 40.6 60.8  
151 76.0 64.9 97.3



#10  
Methyl Iodide  
Concen: 43.515 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion:142 Resp: 66305  
Ion Ratio Lower Upper  
142 100  
127 45.0 41.5 62.3  
141 14.4 11.9 17.9





#11

Tert butyl alcohol

Concen: 210.208 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

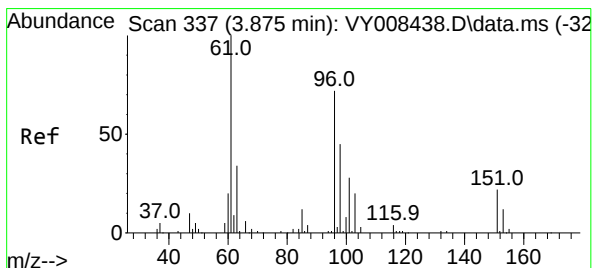
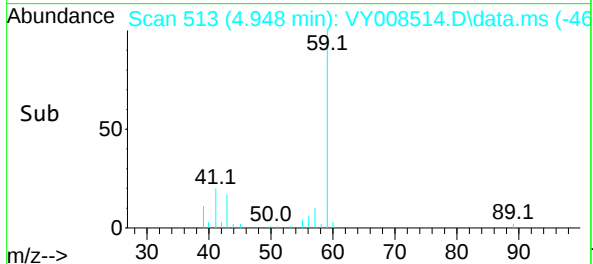
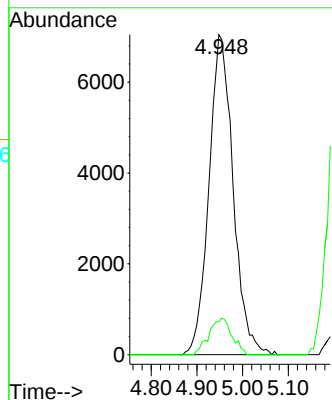
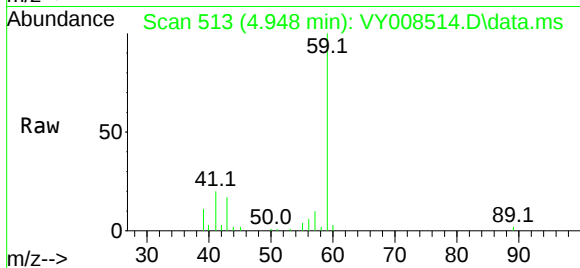
VSTDCCC050

Tgt Ion: 59 Resp: 25903

Ion Ratio Lower Upper

59 100

57 10.8 6.4 9.6#



#12

1,1-Dichloroethene

Concen: 48.097 ug/l

RT: 3.875 min Scan# 337

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

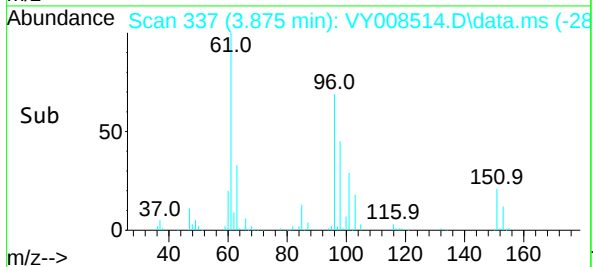
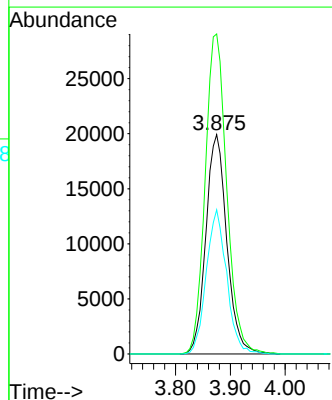
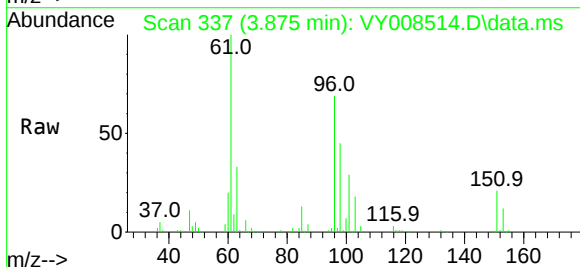
Tgt Ion: 96 Resp: 52789

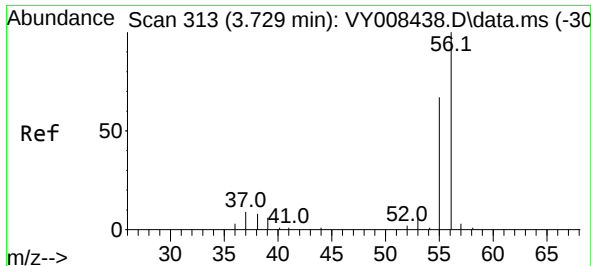
Ion Ratio Lower Upper

96 100

61 145.9 145.8 218.6

98 65.7 52.5 78.7





#13

Acrolein

Concen: 206.894 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

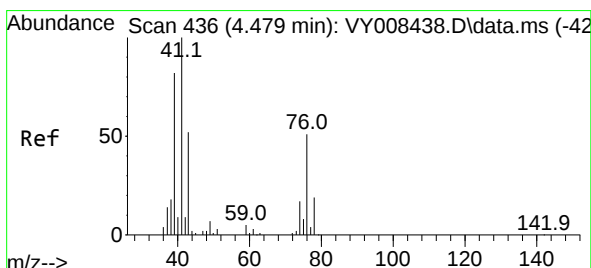
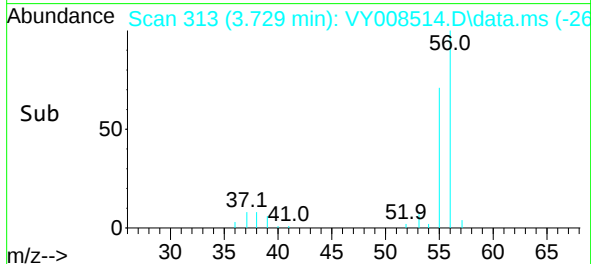
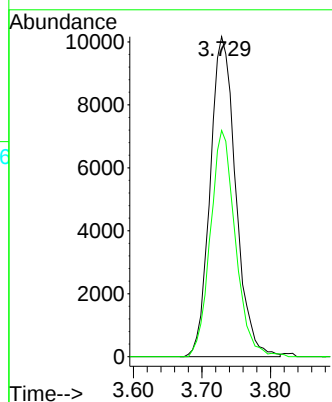
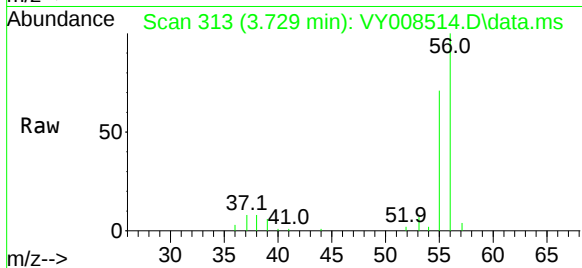
VSTDCCC050

Tgt Ion: 56 Resp: 26315

Ion Ratio Lower Upper

56 100

55 69.2 57.6 86.4



#14

Allyl chloride

Concen: 51.255 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

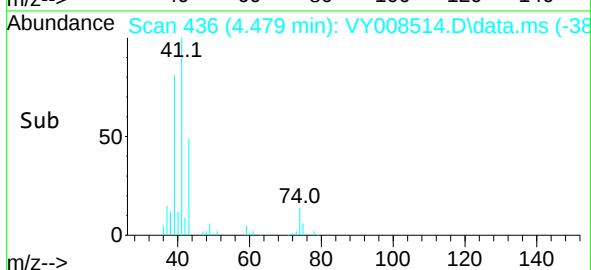
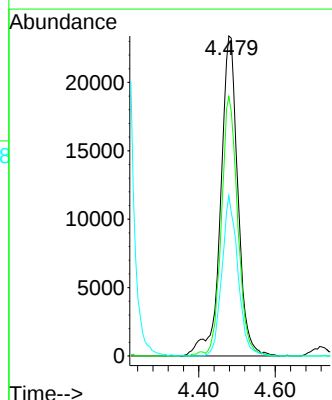
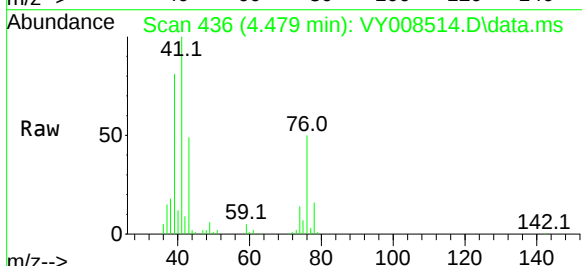
Tgt Ion: 41 Resp: 73426

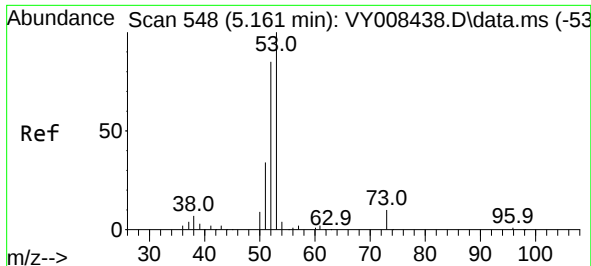
Ion Ratio Lower Upper

41 100

39 76.3 58.8 88.2

76 46.2 25.1 37.7#

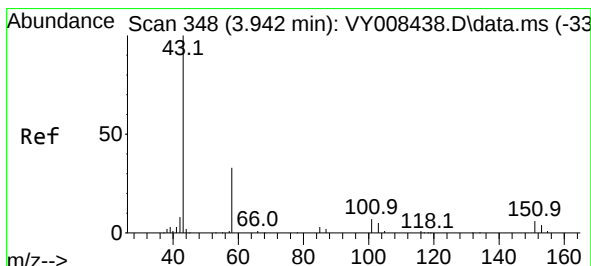
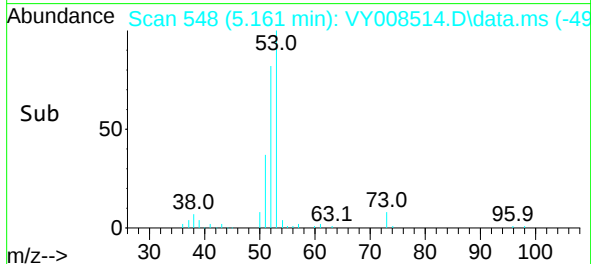
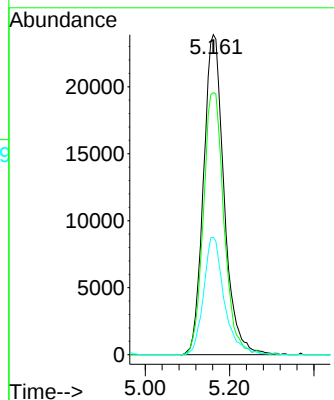
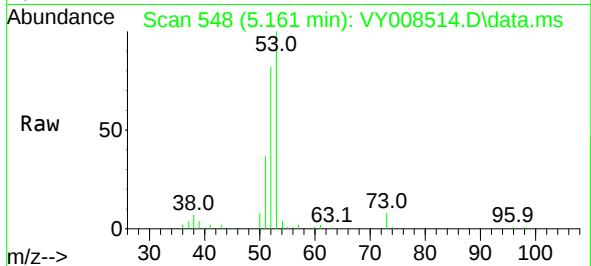




#15  
Acrylonitrile  
Concen: 236.194 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

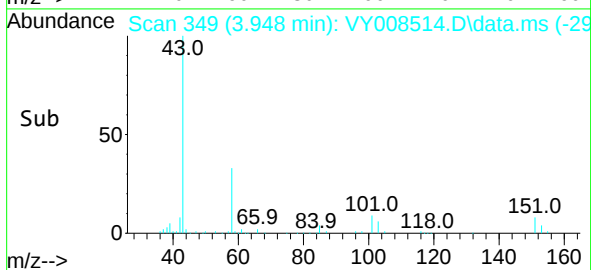
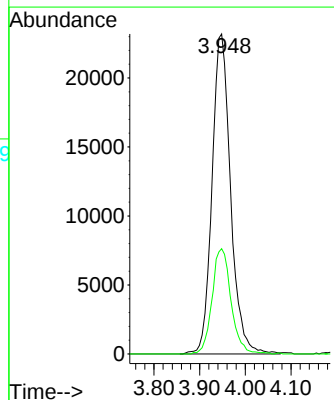
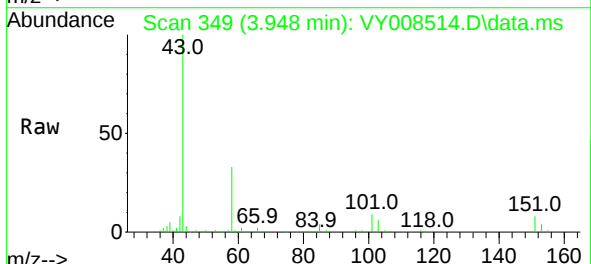
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

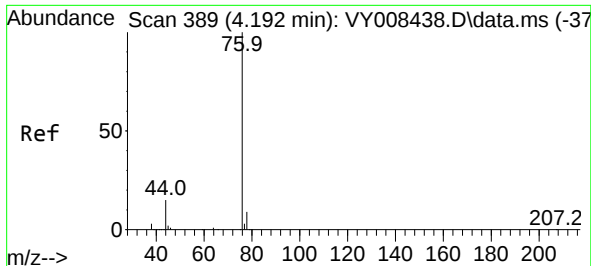
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 81173 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 81.8  | 67.0  | 100.4 |
| 51       | 36.9  | 29.8  | 44.6  |



#16  
Acetone  
Concen: 234.937 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 65373 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 32.9  | 22.0  | 33.0  |

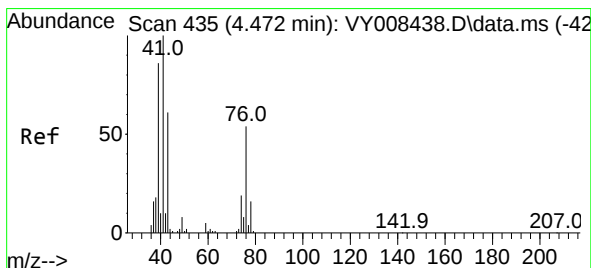
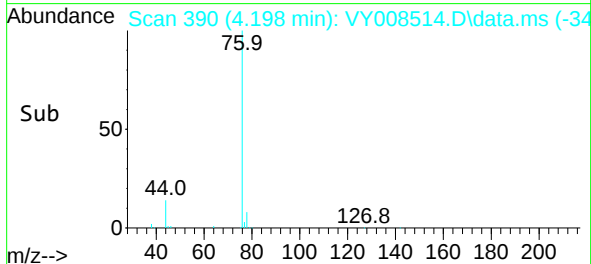
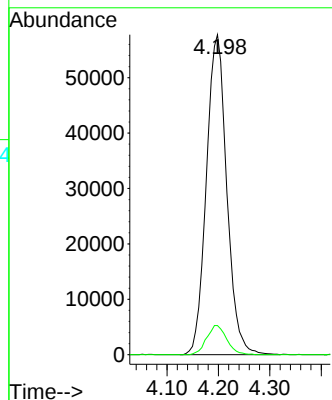
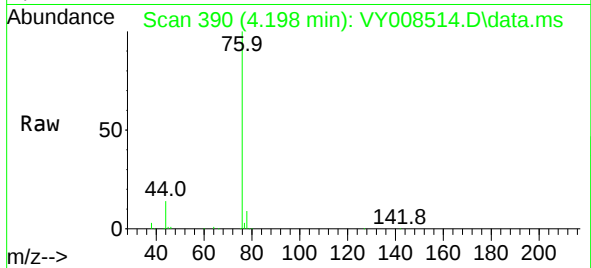




#17  
Carbon Disulfide  
Concen: 47.997 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

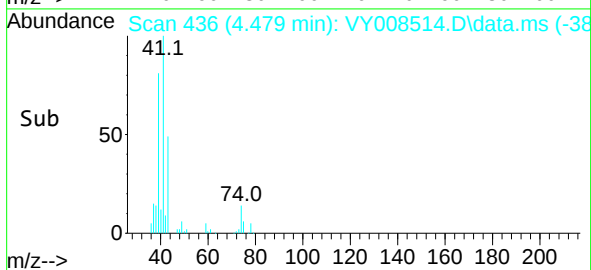
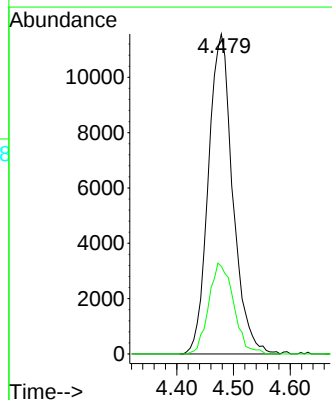
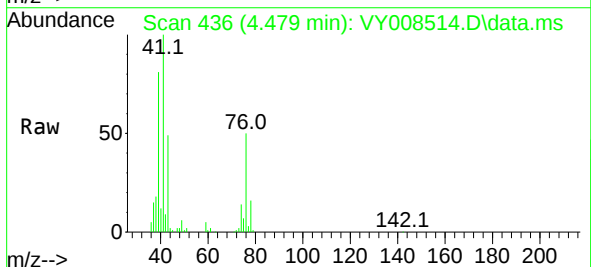
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

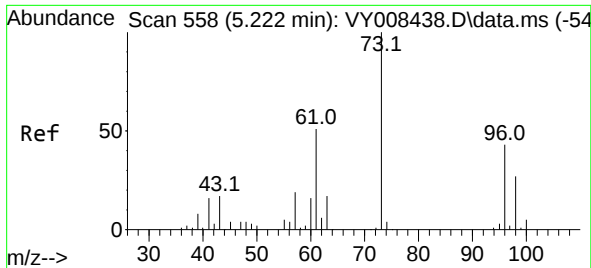
Tgt Ion: 76 Resp: 159264  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0



#18  
Methyl Acetate  
Concen: 44.214 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.007 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 43 Resp: 34503  
Ion Ratio Lower Upper  
43 100  
74 28.9 16.6 24.8#

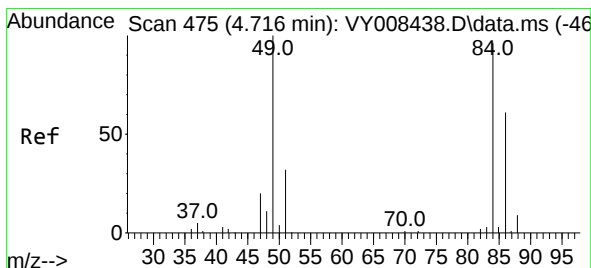
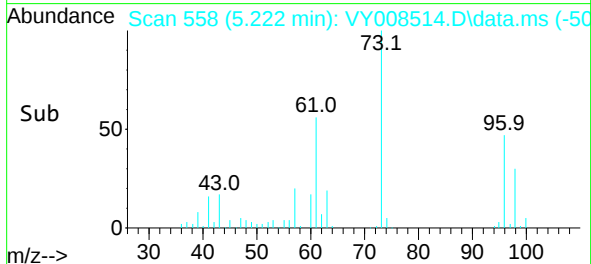
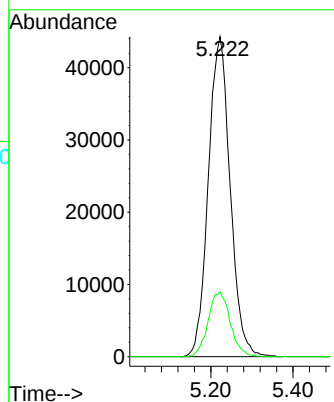
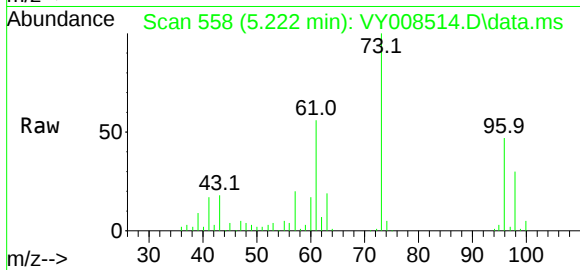




#19  
Methyl tert-butyl Ether  
Concen: 46.972 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

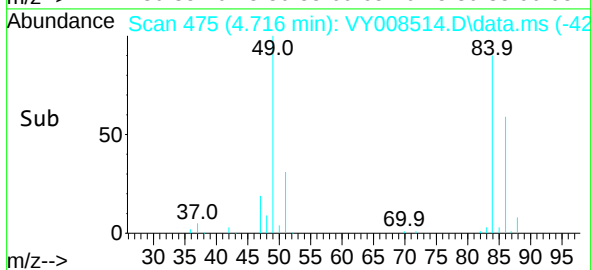
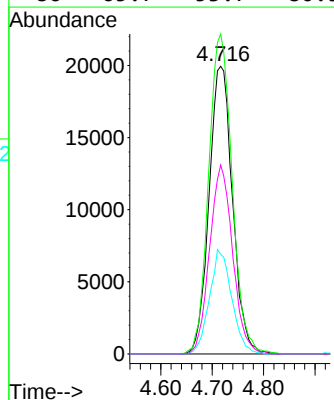
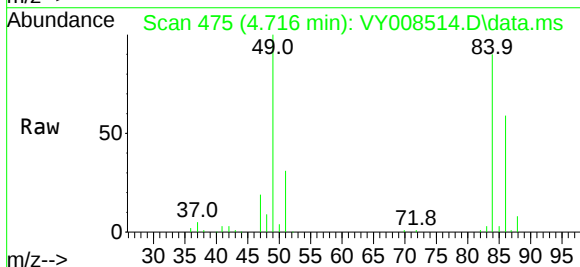
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

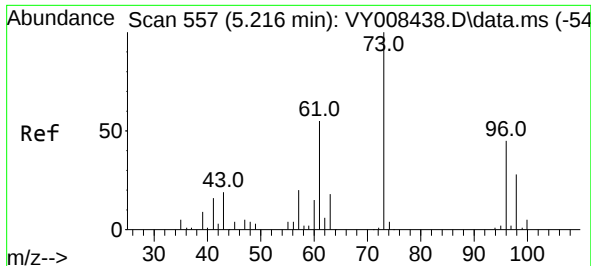
Tgt Ion: 73 Resp: 163127  
Ion Ratio Lower Upper  
73 100  
57 20.3 18.6 27.8



#20  
Methylene Chloride  
Concen: 42.852 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 84 Resp: 63289  
Ion Ratio Lower Upper  
84 100  
49 111.2 114.4 171.6#  
51 34.6 35.3 52.9#  
86 65.7 53.7 80.5

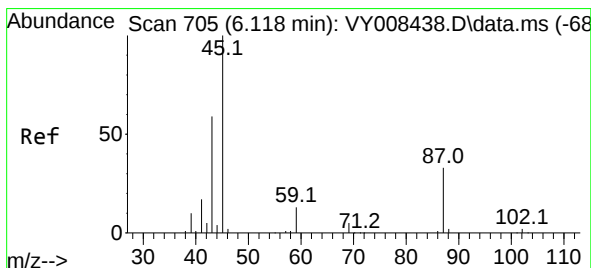
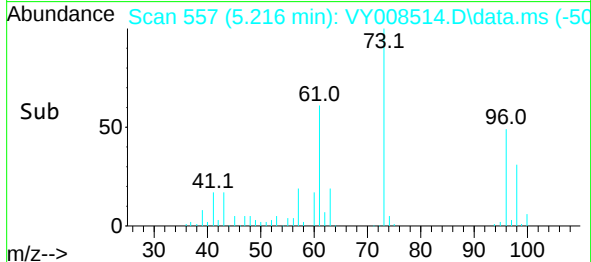
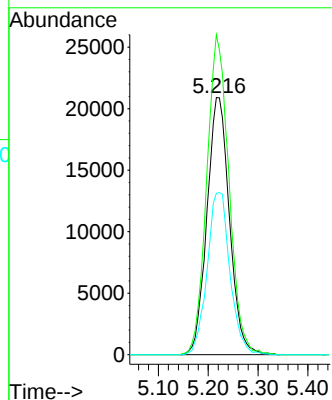
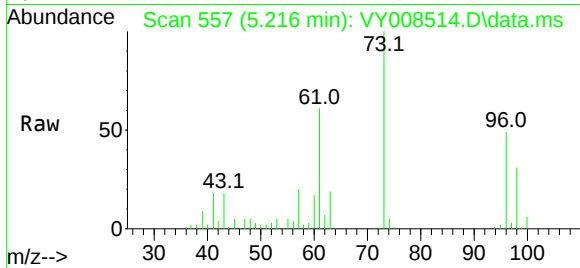




#21  
trans-1,2-Dichloroethene  
Concen: 48.957 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

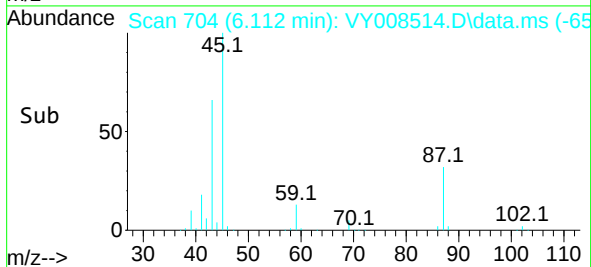
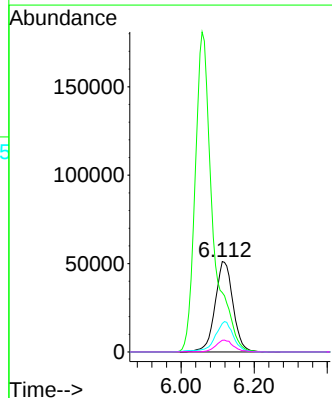
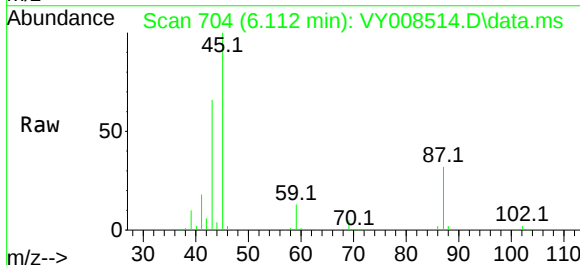
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

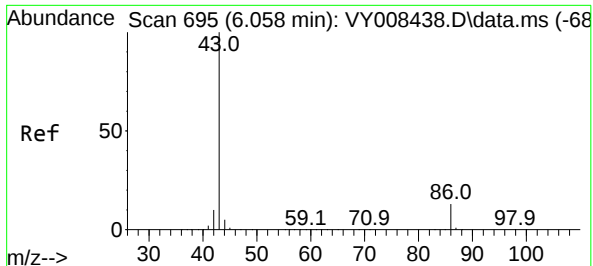
Tgt Ion: 96 Resp: 65545  
Ion Ratio Lower Upper  
96 100  
61 124.5 120.5 180.7  
98 62.8 49.8 74.8



#22  
Diisopropyl ether  
Concen: 50.413 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 45 Resp: 174405  
Ion Ratio Lower Upper  
45 100  
43 65.4 49.3 73.9  
87 31.6 19.2 28.8#  
59 12.9 8.4 12.6#

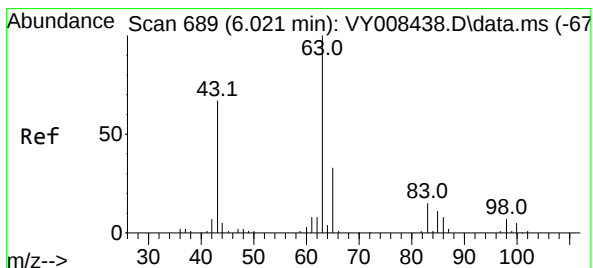
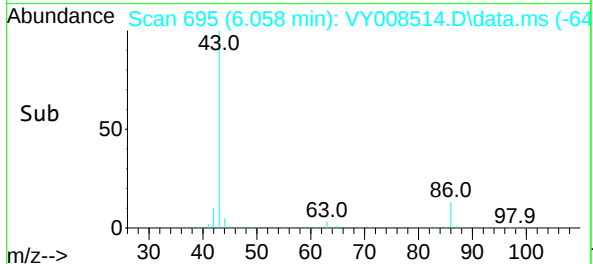
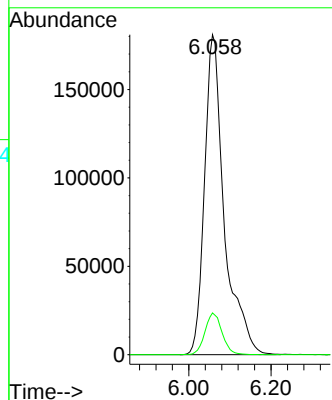
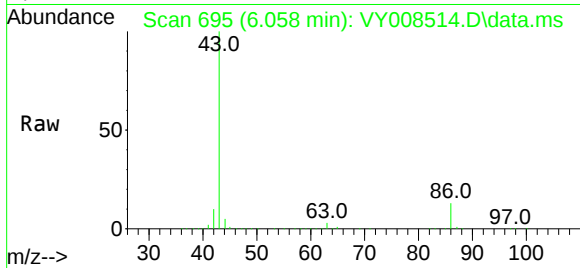




#23  
 Vinyl Acetate  
 Concen: 254.594 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.000 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

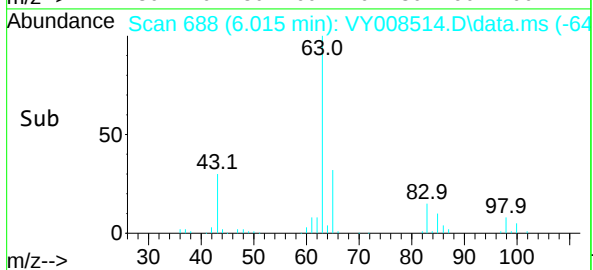
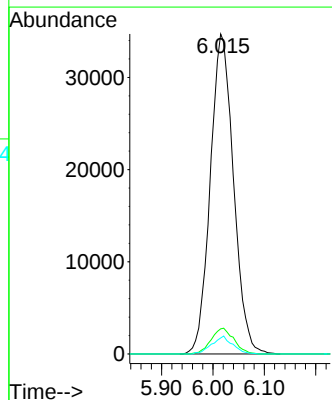
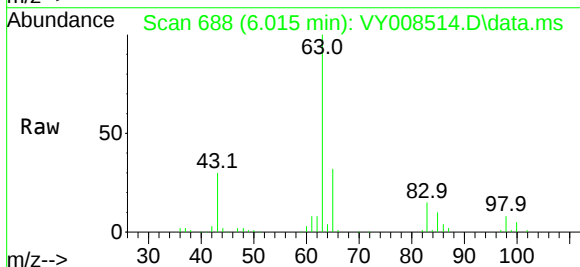
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

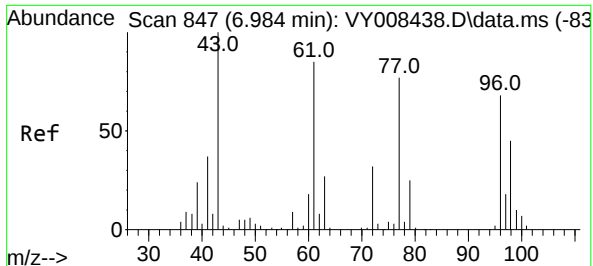
Tgt Ion: 43 Resp: 603856  
 Ion Ratio Lower Upper  
 43 100  
 86 13.0 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 50.589 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

Tgt Ion: 63 Resp: 108941  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.6 10.8  
 100 5.0 2.0 5.8





#25

2-Butanone

Concen: 245.598 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

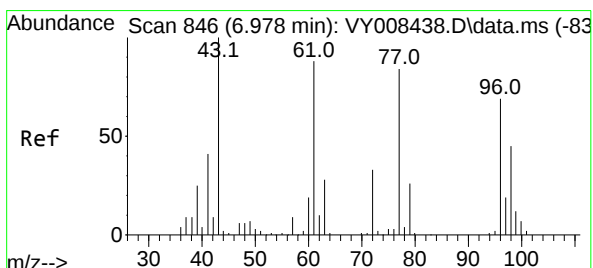
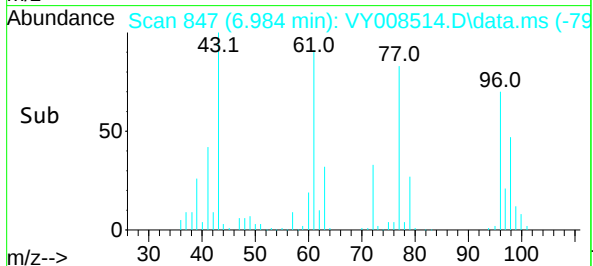
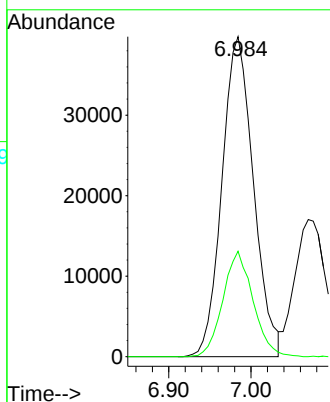
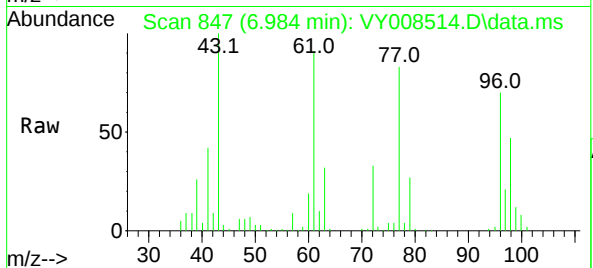
VSTDCCC050

Tgt Ion: 43 Resp: 105726

Ion Ratio Lower Upper

43 100

72 33.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 51.877 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY008514.D

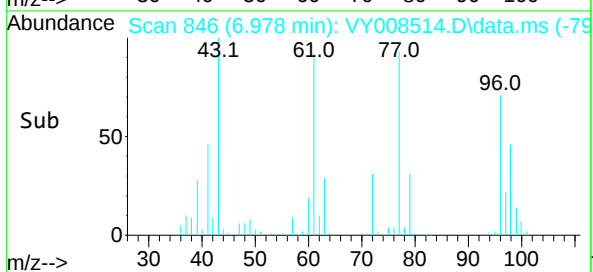
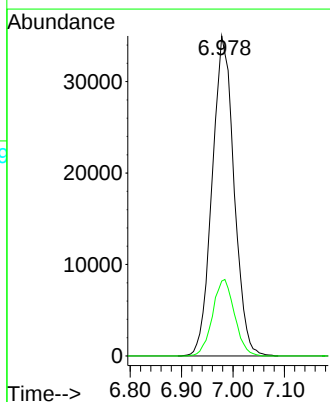
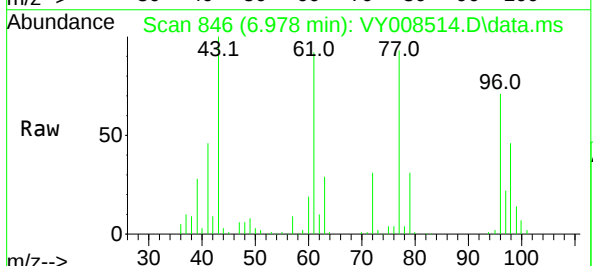
Acq: 27 Apr 2022 09:27

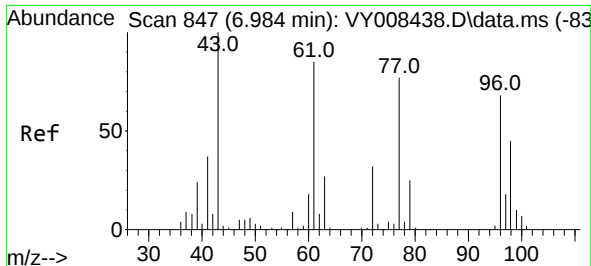
Tgt Ion: 77 Resp: 103468

Ion Ratio Lower Upper

77 100

97 24.0 10.4 31.4



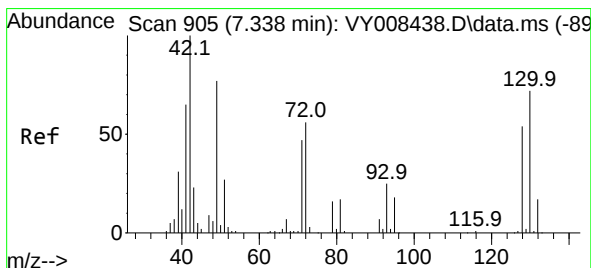
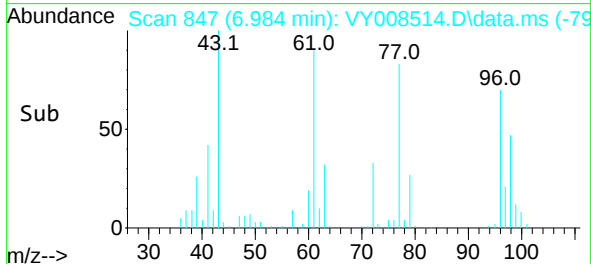
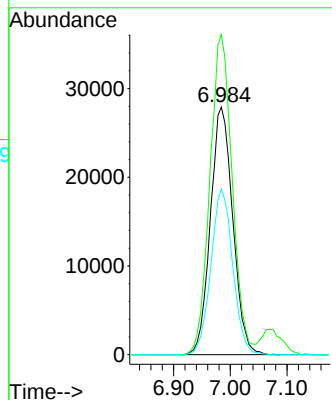
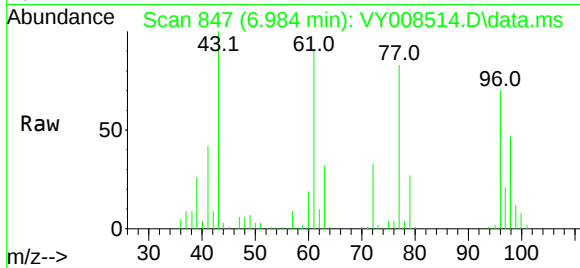


#27  
 cis-1,2-Dichloroethene  
 Concen: 49.900 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 76418  

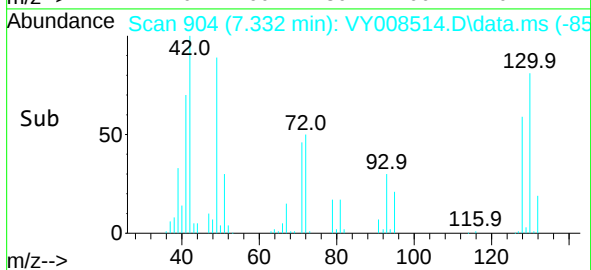
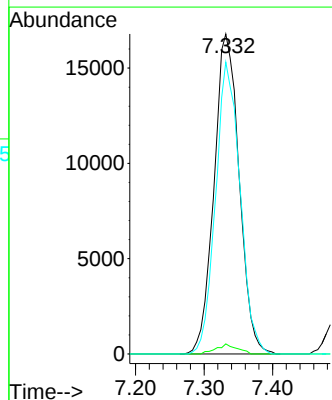
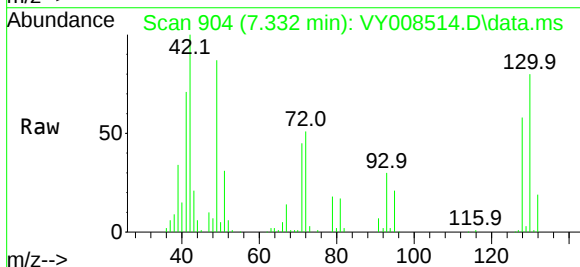
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 129.5 | 0.0   | 319.8 |
| 98  | 65.4  | 0.0   | 127.0 |

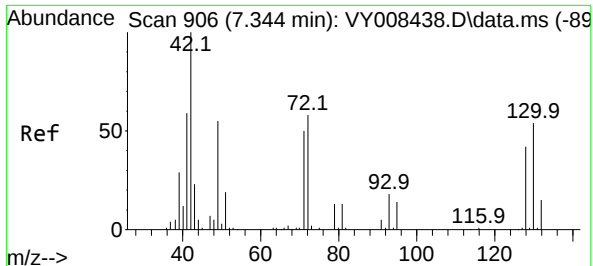


#28  
 Bromochloromethane  
 Concen: 49.149 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.006 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

Tgt Ion: 49 Resp: 42693  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.6   | 0.0   | 2.2#  |
| 130 | 88.8  | 55.4  | 83.0# |





#29

Tetrahydrofuran

Concen: 245.158 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

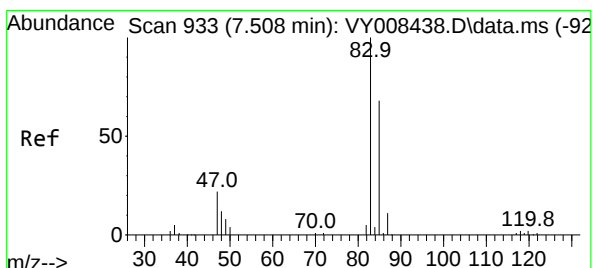
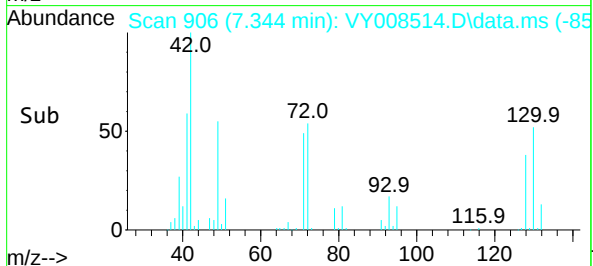
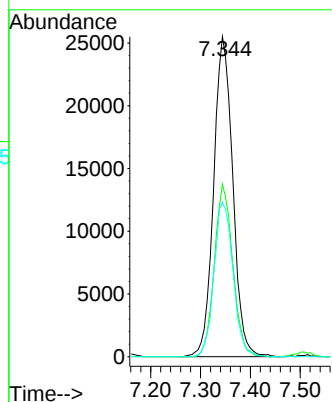
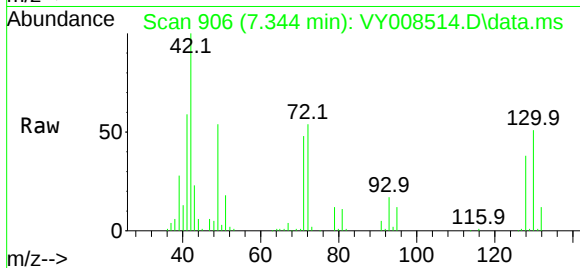
Tgt Ion: 42 Resp: 67974

Ion Ratio Lower Upper

42 100

72 51.8 30.3 45.5#

71 48.1 29.0 43.4#



#30

Chloroform

Concen: 50.520 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.006 min

Lab File: VY008514.D

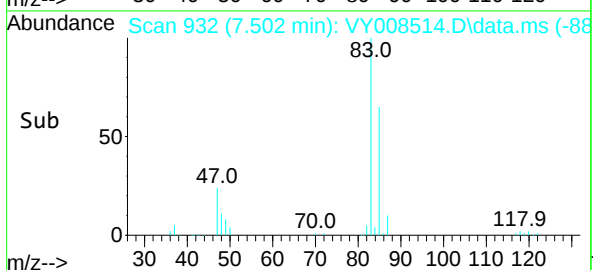
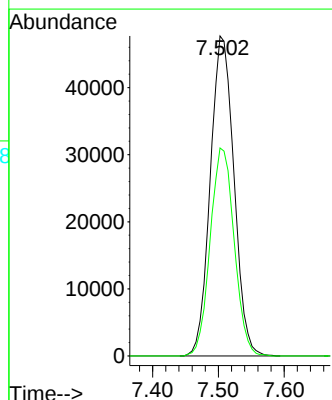
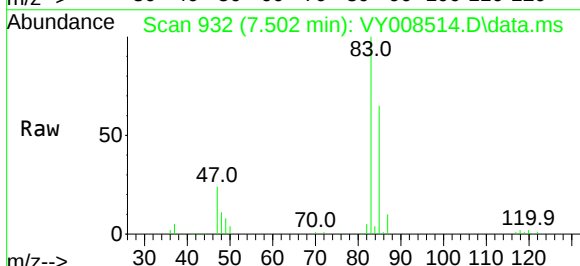
Acq: 27 Apr 2022 09:27

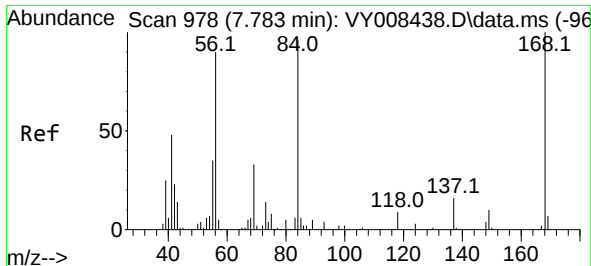
Tgt Ion: 83 Resp: 119520

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6

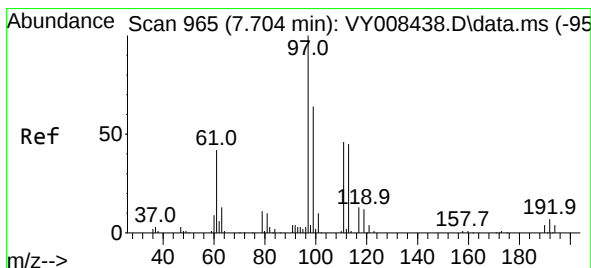
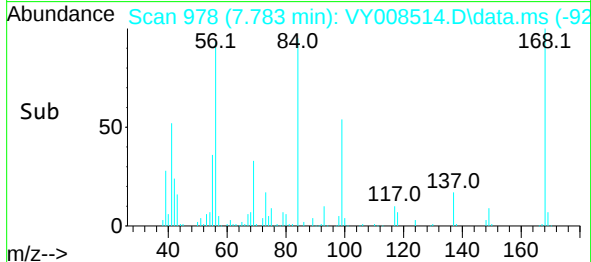
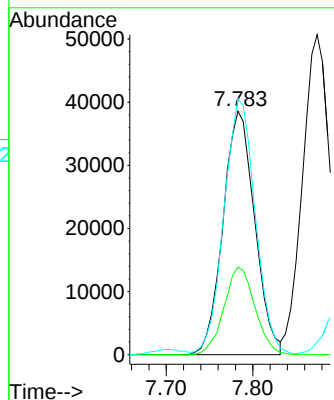
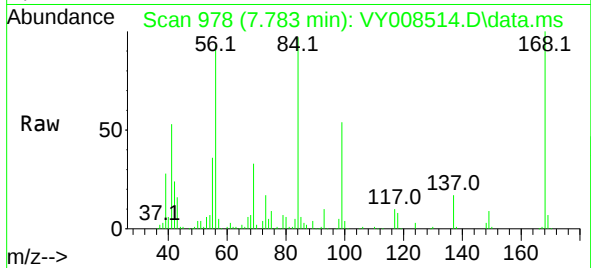




#31  
Cyclohexane  
Concen: 49.983 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

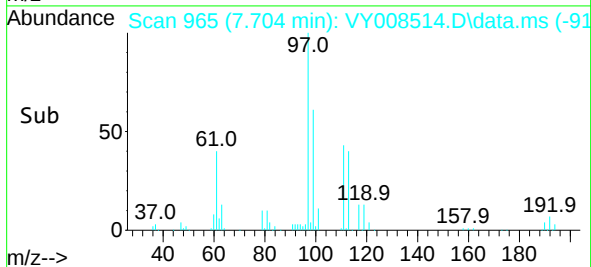
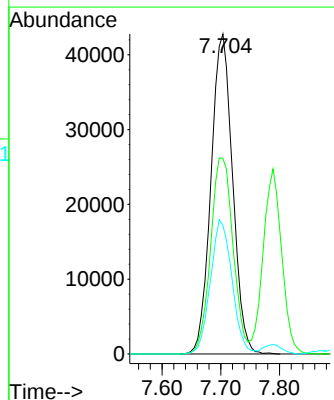
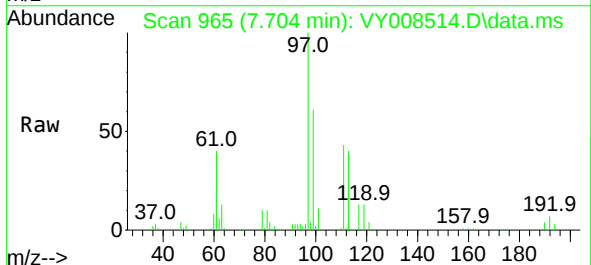
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

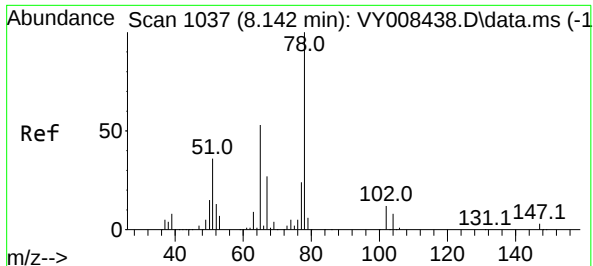
Tgt Ion: 56 Resp: 98165  
Ion Ratio Lower Upper  
56 100  
69 36.0 26.7 40.1  
84 103.8 67.2 100.8#



#32  
1,1,1-Trichloroethane  
Concen: 52.661 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 97 Resp: 109090  
Ion Ratio Lower Upper  
97 100  
99 63.8 50.7 76.1  
61 41.9 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 51.120 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

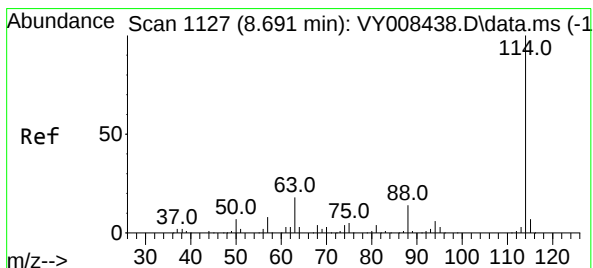
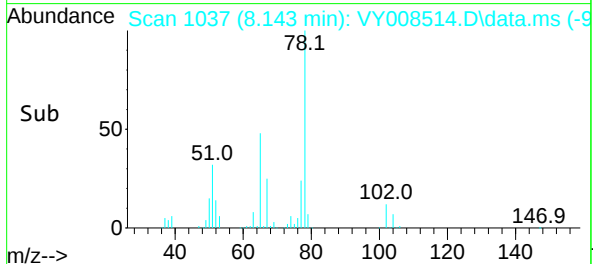
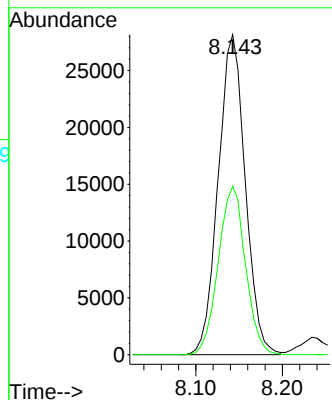
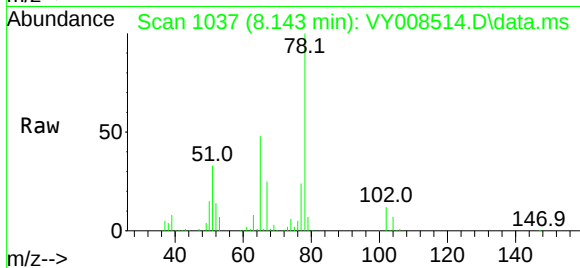
VSTDCCC050

Tgt Ion: 65 Resp: 61070

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

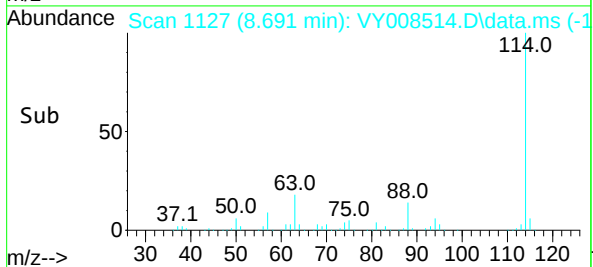
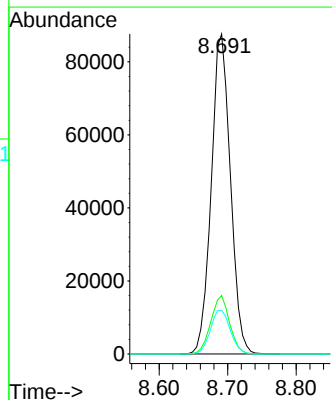
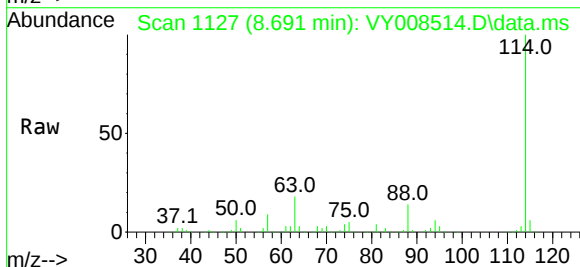
Tgt Ion: 114 Resp: 170073

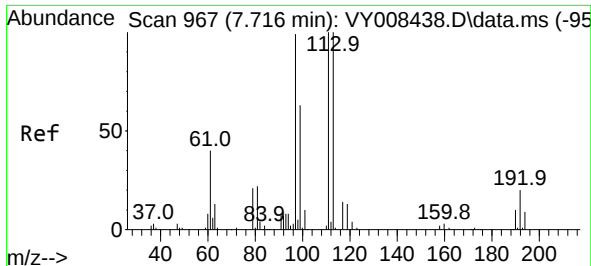
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 13.7 0.0 31.8

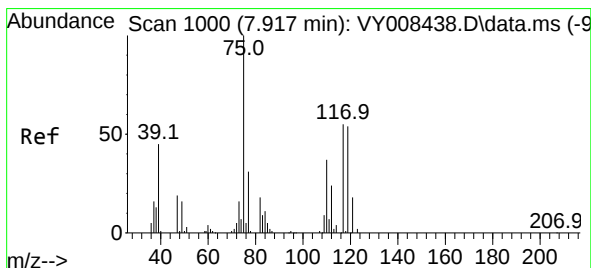
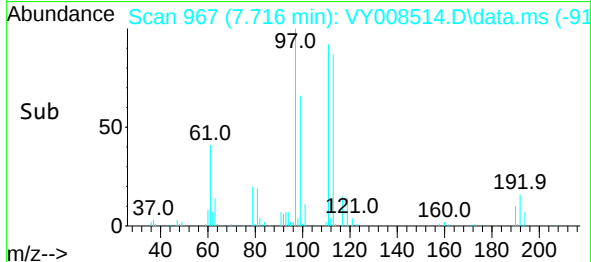
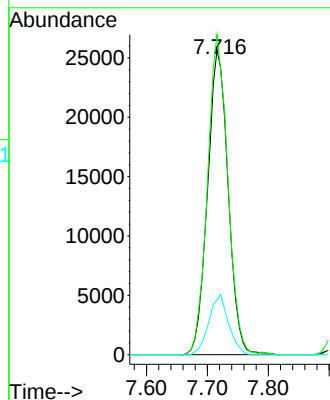
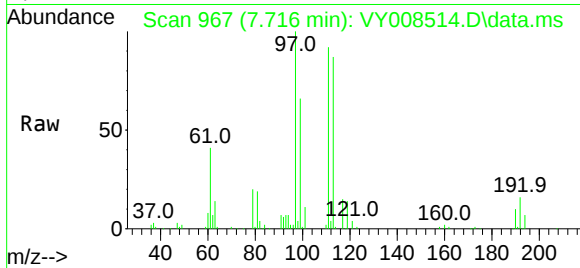




#35  
Dibromofluoromethane  
Concen: 54.895 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

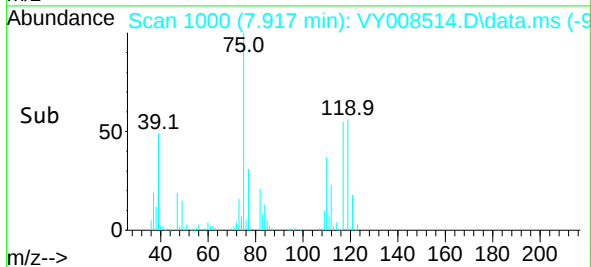
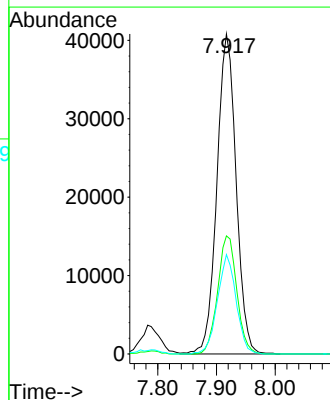
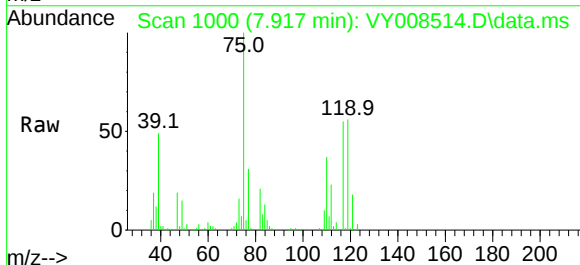
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

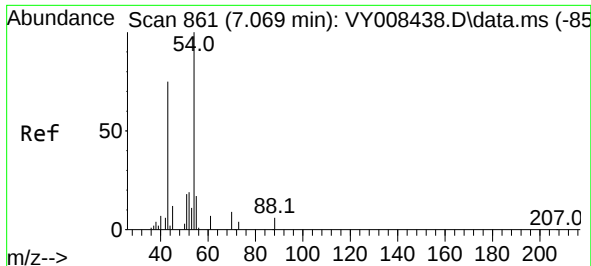
Tgt Ion:113 Resp: 60254  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.6 124.0  
192 18.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 53.089 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 75 Resp: 92692  
Ion Ratio Lower Upper  
75 100  
110 36.7 17.1 51.2  
77 30.2 24.4 36.6





#37

Ethyl Acetate

Concen: 48.125 ug/l

RT: 7.070 min Scan# 8

Delta R.T. 0.001 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

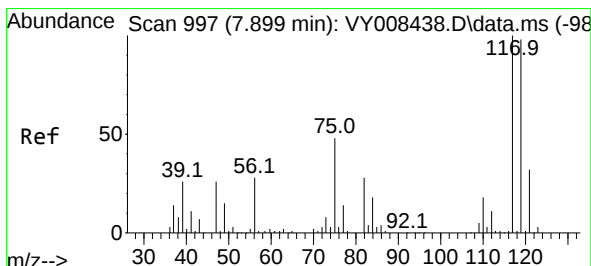
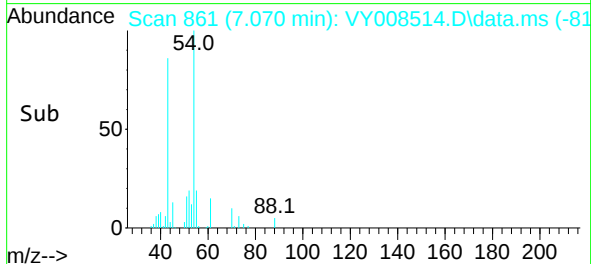
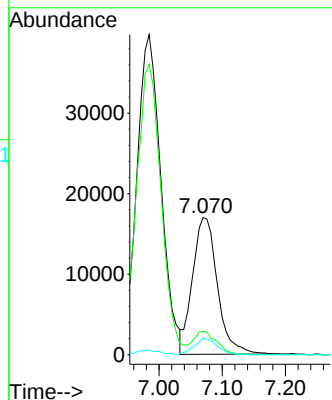
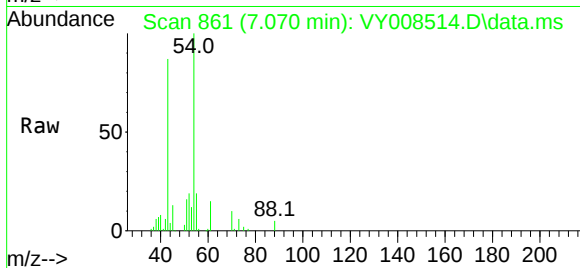
Tgt Ion: 43 Resp: 46469

Ion Ratio Lower Upper

43 100

61 15.7 9.7 14.5#

70 11.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 53.949 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

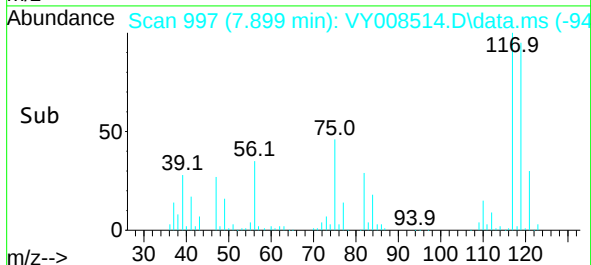
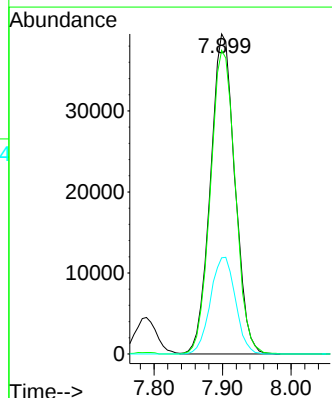
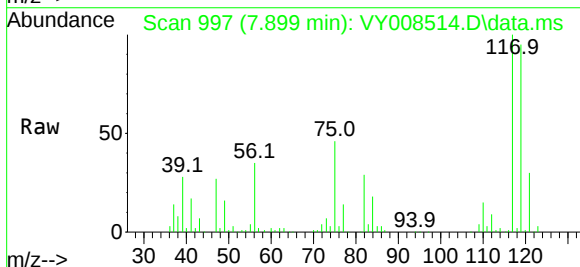
Tgt Ion: 117 Resp: 97866

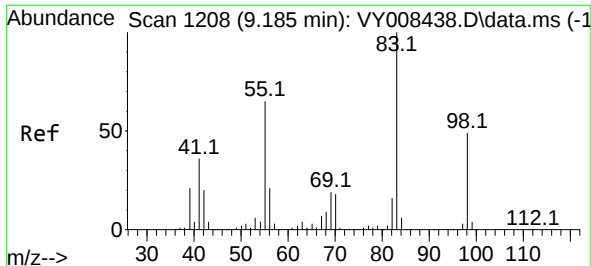
Ion Ratio Lower Upper

117 100

119 94.9 77.9 116.9

121 30.1 24.8 37.2

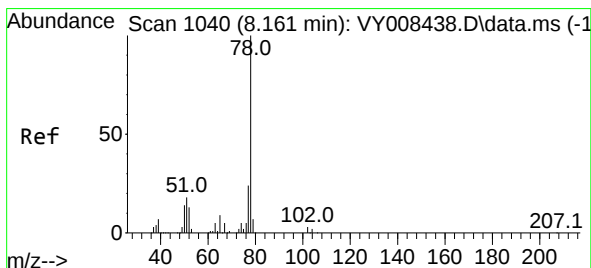
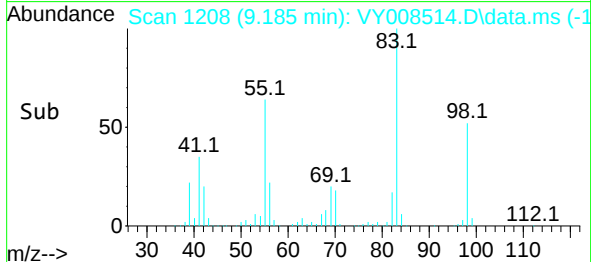
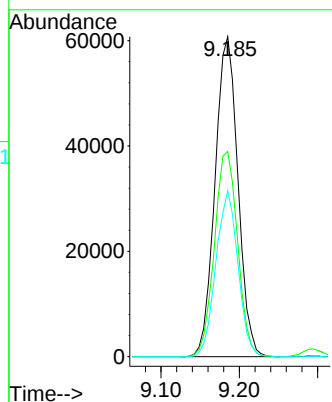
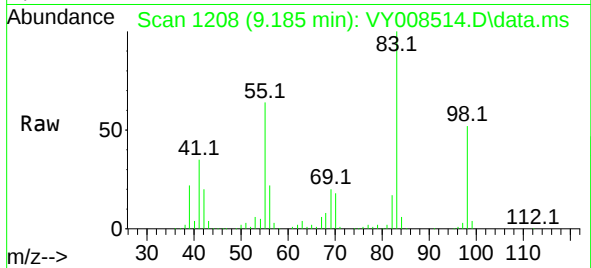




#39  
Methylcyclohexane  
Concen: 55.154 ug/l  
RT: 9.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

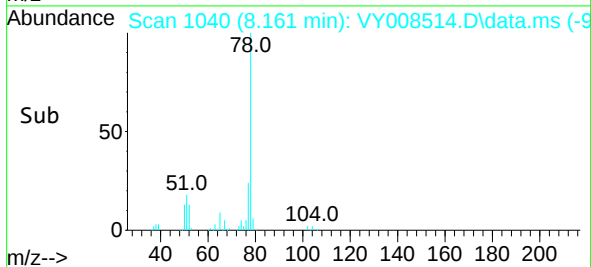
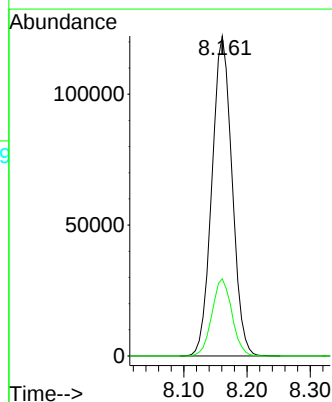
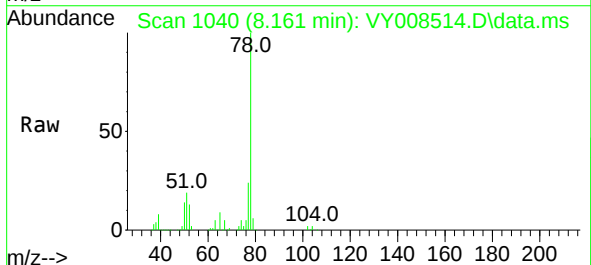
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

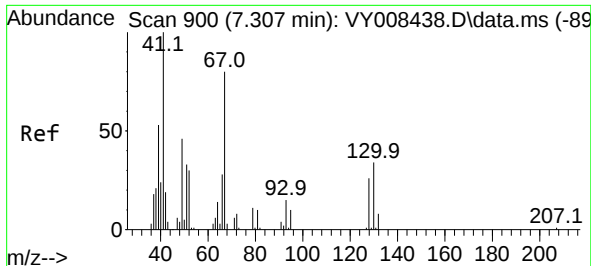
Tgt Ion: 83 Resp: 123298  
Ion Ratio Lower Upper  
83 100  
55 64.1 66.5 99.7#  
98 51.8 37.9 56.9



#40  
Benzene  
Concen: 52.959 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 78 Resp: 269762  
Ion Ratio Lower Upper  
78 100  
77 24.1 20.4 30.6

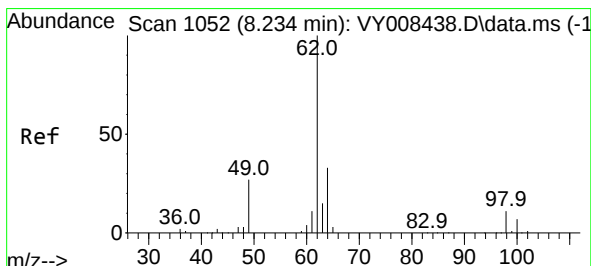
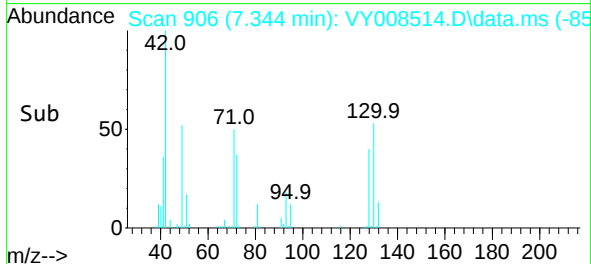
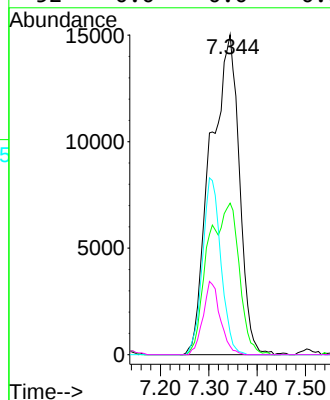
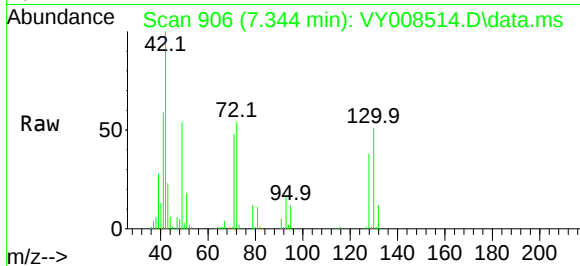




#41  
Methacrylonitrile  
Concen: 132.656 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.037 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

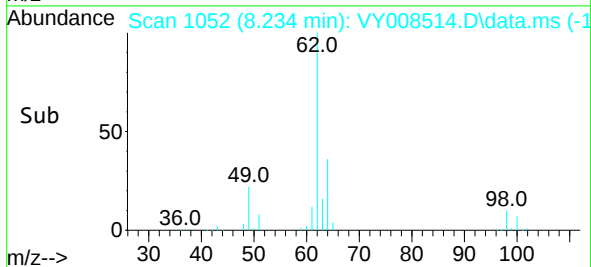
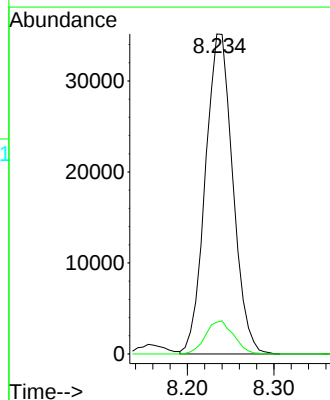
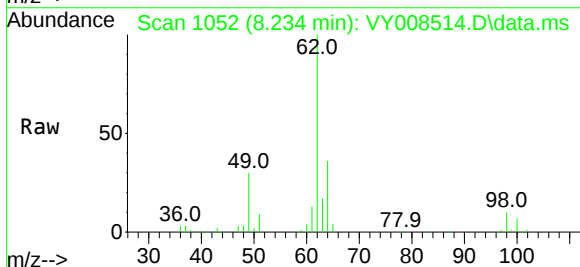
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

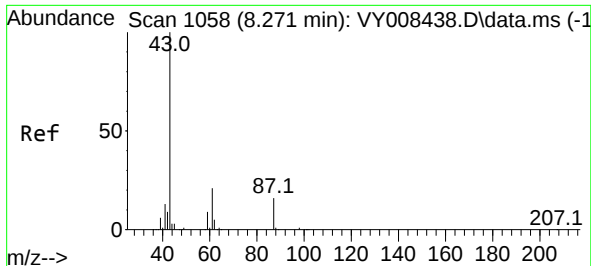
Tgt Ion: 41 Resp: 62117  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 50.552 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 62 Resp: 77525  
Ion Ratio Lower Upper  
62 100  
98 10.6 0.0 14.8

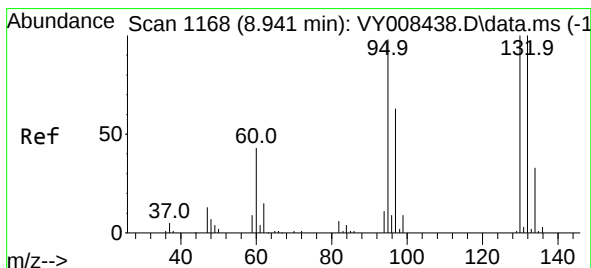
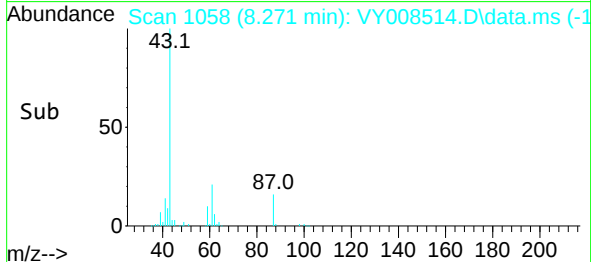
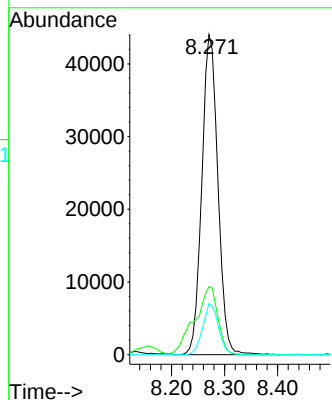
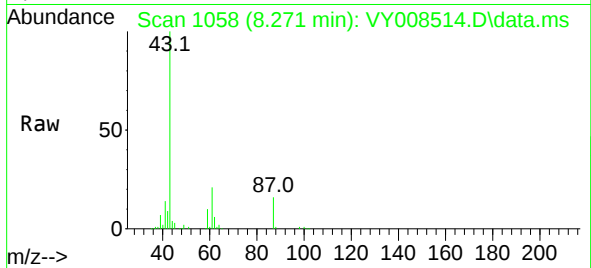




#43  
Isopropyl Acetate  
Concen: 52.203 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

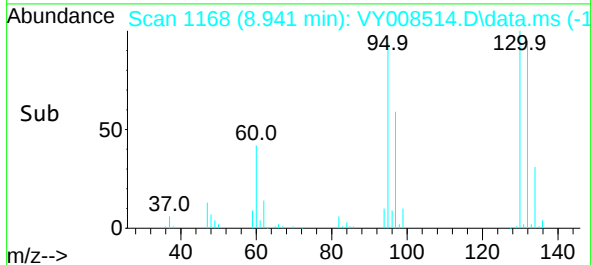
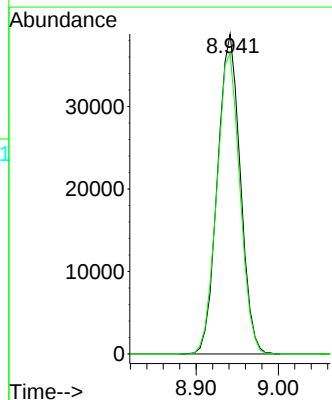
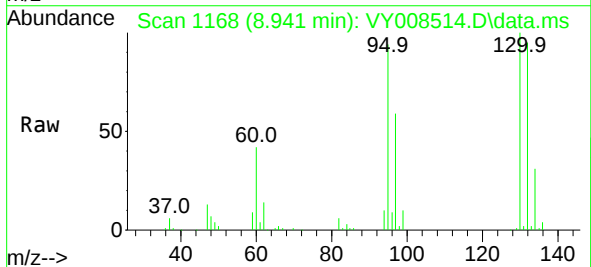
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

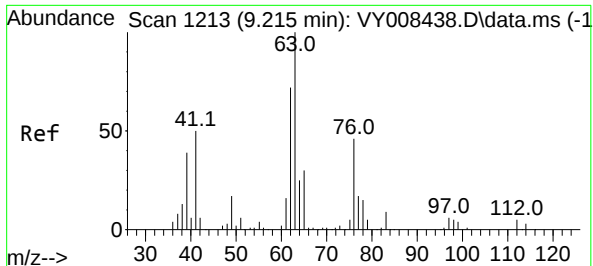
Tgt Ion: 43 Resp: 92704  
Ion Ratio Lower Upper  
43 100  
61 30.7 20.2 30.2#  
87 15.6 8.9 13.3#



#44  
Trichloroethene  
Concen: 53.258 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 130 Resp: 74738  
Ion Ratio Lower Upper  
130 100  
95 94.0 0.0 188.2





#45

1,2-Dichloropropane

Concen: 53.739 ug/l

RT: 9.216 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

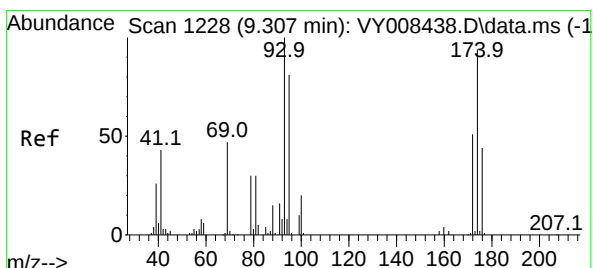
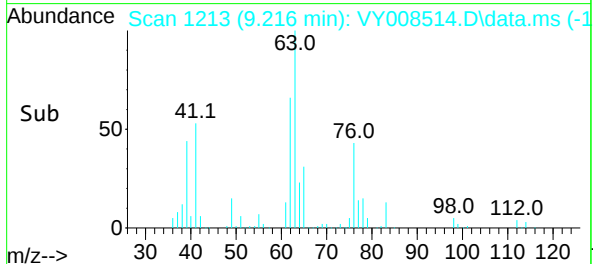
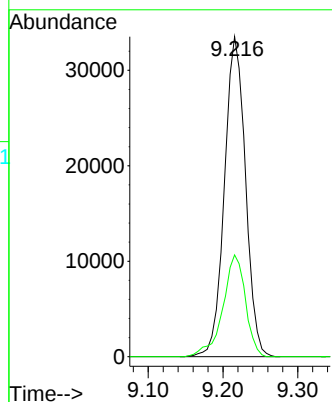
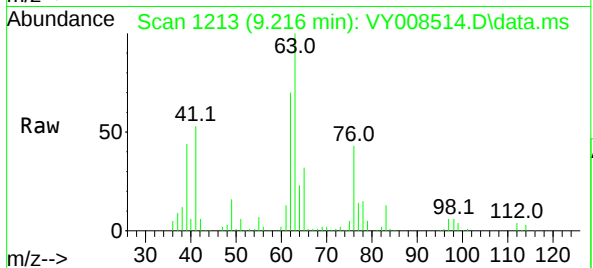
VSTDCCC050

Tgt Ion: 63 Resp: 65733

Ion Ratio Lower Upper

63 100

65 31.8 23.0 34.6



#46

Dibromomethane

Concen: 51.033 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

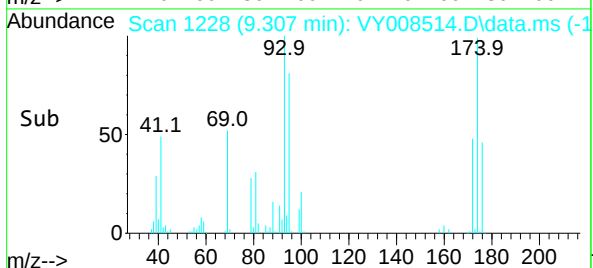
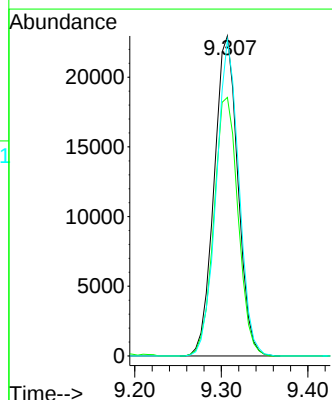
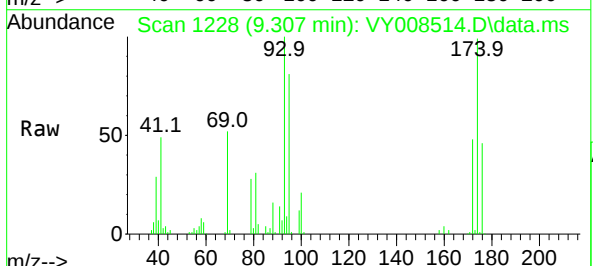
Tgt Ion: 93 Resp: 43734

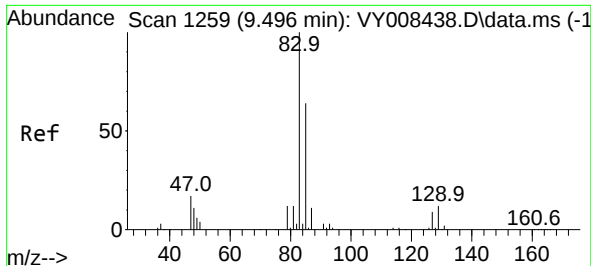
Ion Ratio Lower Upper

93 100

95 82.0 64.3 96.5

174 94.2 83.4 125.0

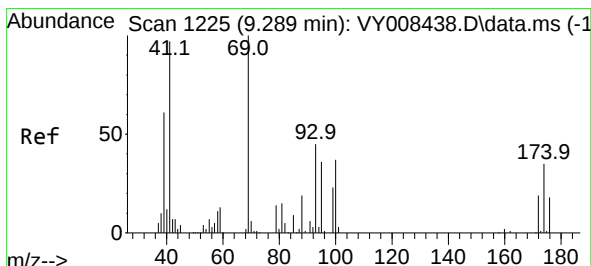
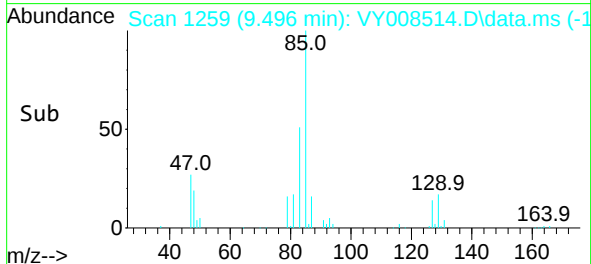
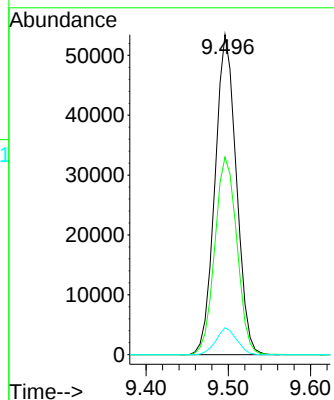
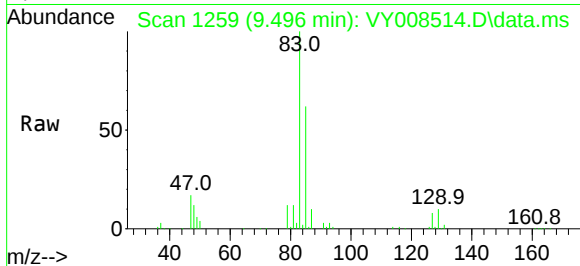




#47  
Bromodichloromethane  
Concen: 53.049 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

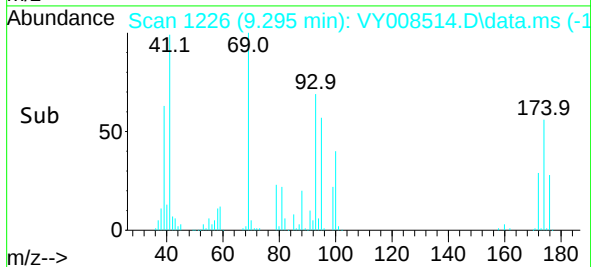
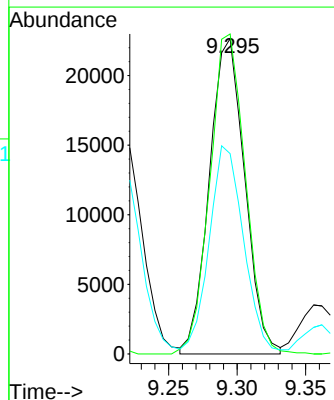
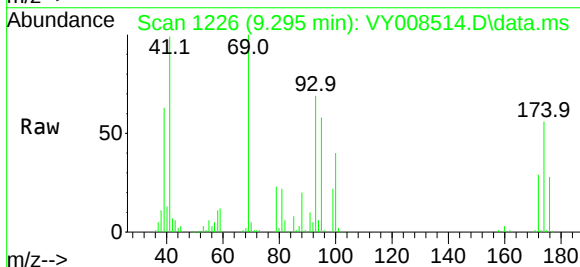
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

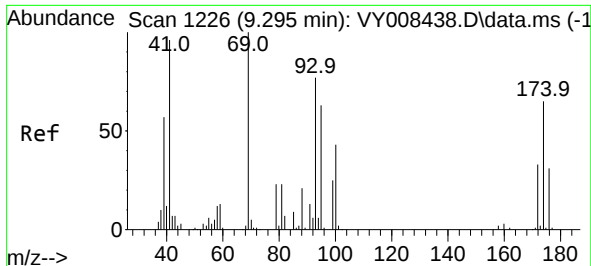
Tgt Ion: 83 Resp: 96506  
Ion Ratio Lower Upper  
83 100  
85 61.8 51.9 77.9  
127 8.4 6.6 10.0



#48  
Methyl methacrylate  
Concen: 53.879 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 41 Resp: 40683  
Ion Ratio Lower Upper  
41 100  
69 101.8 58.2 87.2#  
39 64.4 47.4 71.0





#49

1,4-Dioxane

Concen: 1006.257 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

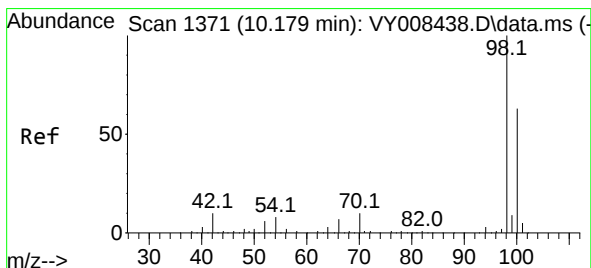
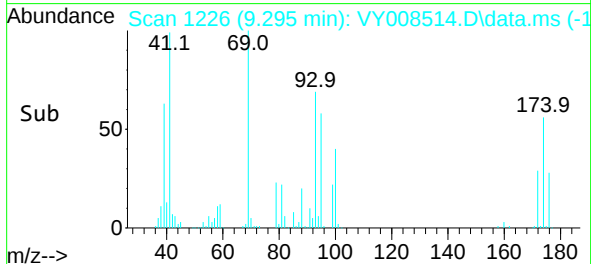
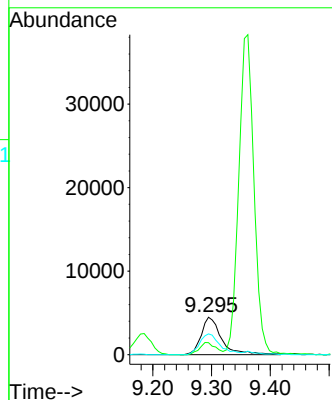
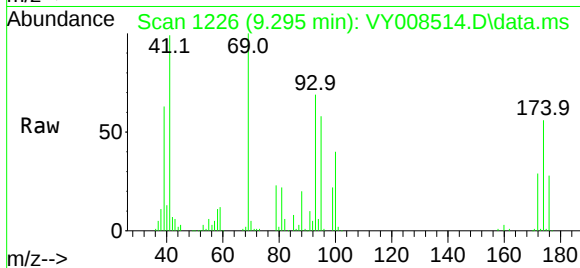
Tgt Ion: 88 Resp: 10874

Ion Ratio Lower Upper

88 100

43 26.0 32.8 49.2#

58 55.3 59.8 89.6#



#50

Toluene-d8

Concen: 54.021 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008514.D

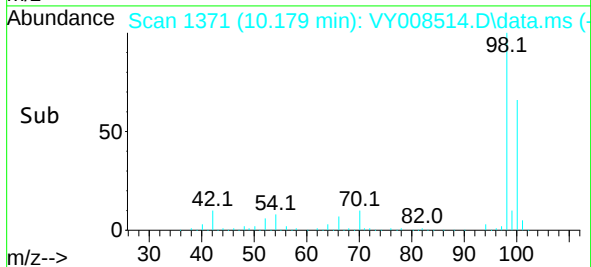
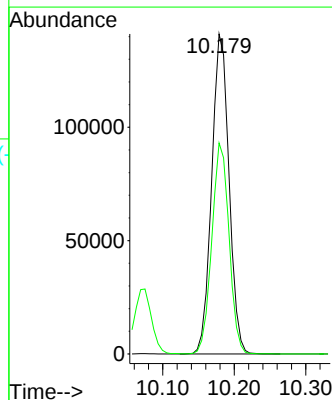
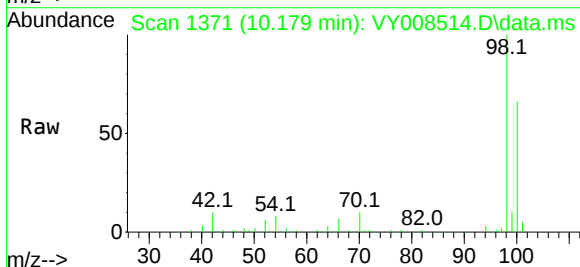
Acq: 27 Apr 2022 09:27

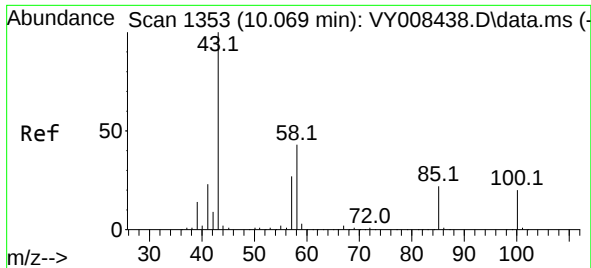
Tgt Ion: 98 Resp: 237096

Ion Ratio Lower Upper

98 100

100 65.6 50.2 75.2

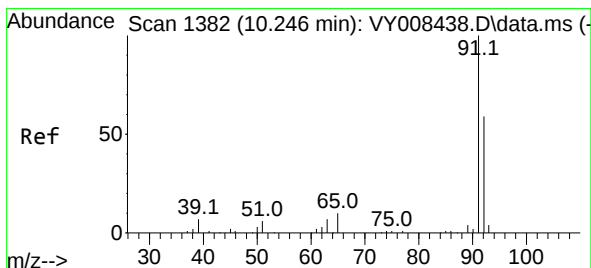
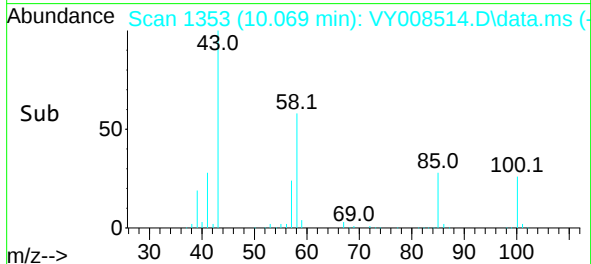
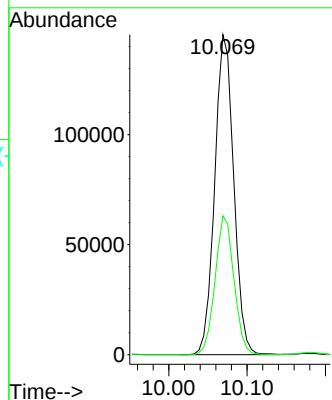
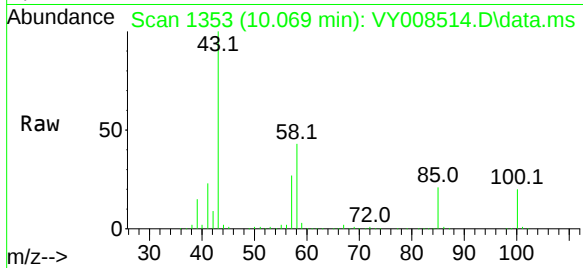




#51  
4-Methyl-2-Pentanone  
Concen: 262.628 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

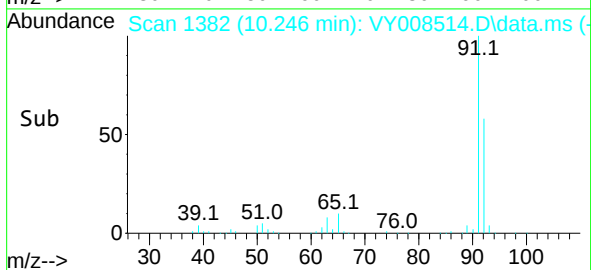
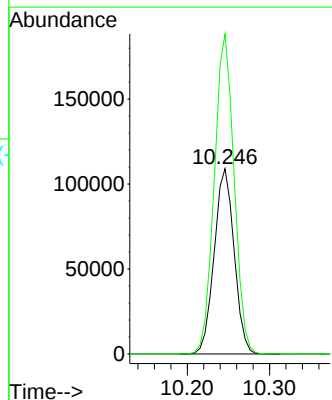
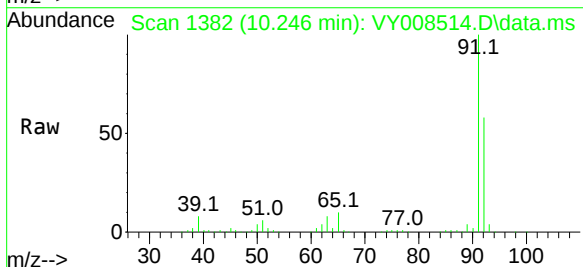
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

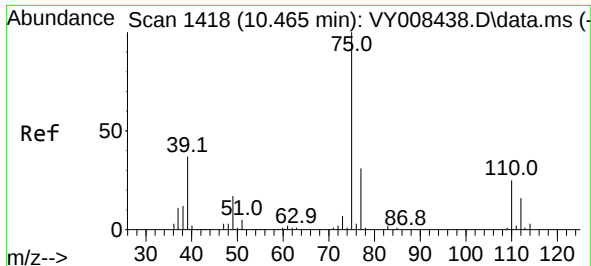
Tgt Ion: 43 Resp: 245345  
Ion Ratio Lower Upper  
43 100  
58 43.1 28.1 42.1#



#52  
Toluene  
Concen: 54.521 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 92 Resp: 183658  
Ion Ratio Lower Upper  
92 100  
91 171.9 142.6 213.8

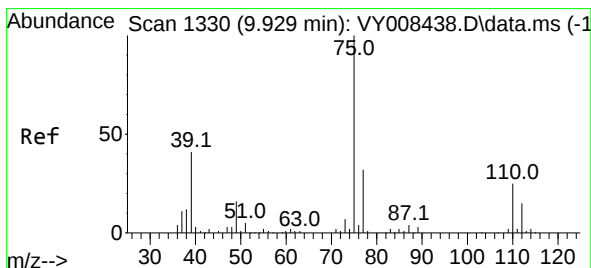
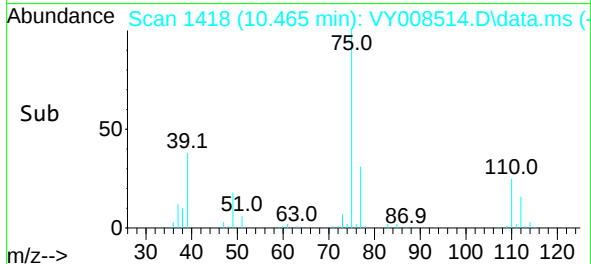
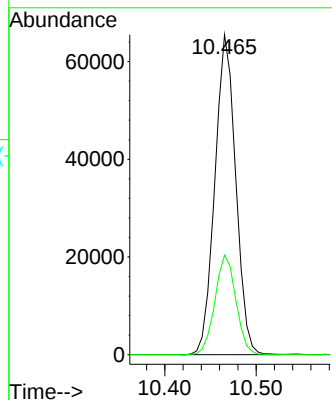
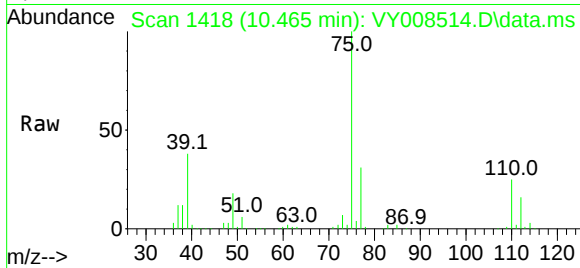




#53  
 t-1,3-Dichloropropene  
 Concen: 53.276 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

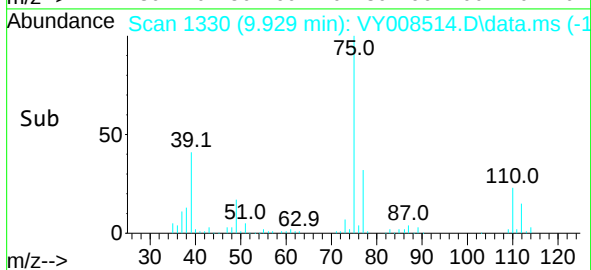
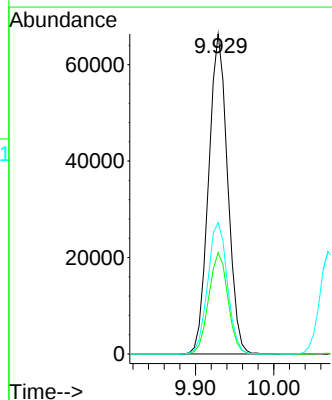
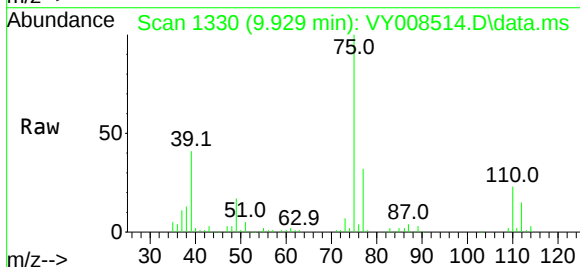
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

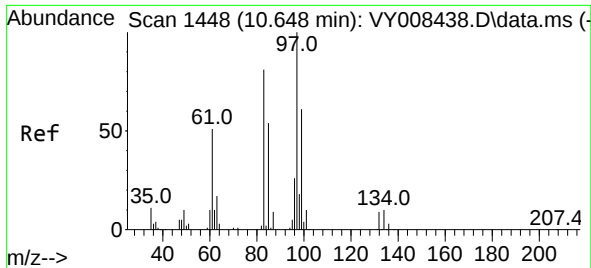
Tgt Ion: 75 Resp: 103936  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.738 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.000 min  
 Lab File: VY008514.D  
 Acq: 27 Apr 2022 09:27

Tgt Ion: 75 Resp: 111852  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.6 38.4  
 39 41.1 47.6 71.4#

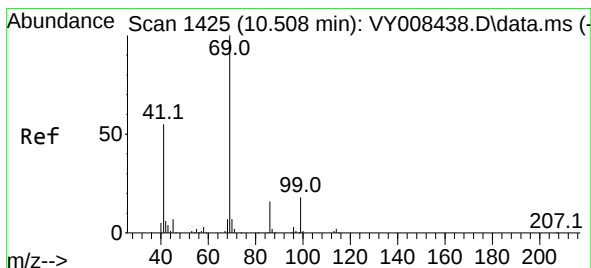
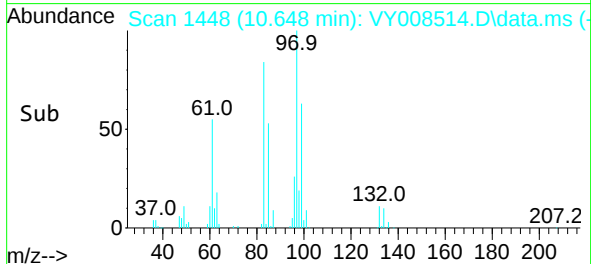
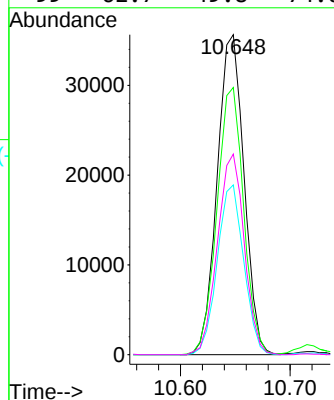
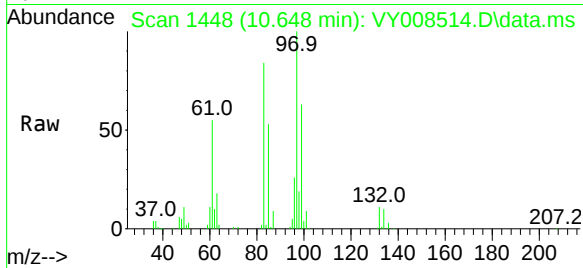




#55  
1,1,2-Trichloroethane  
Concen: 51.788 ug/l  
RT: 10.648 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

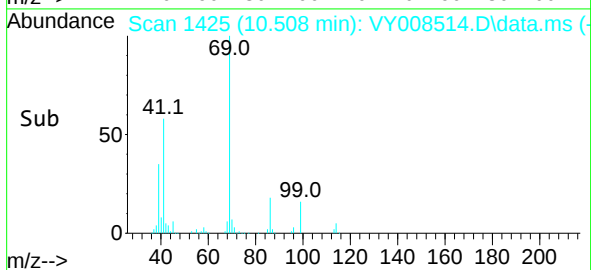
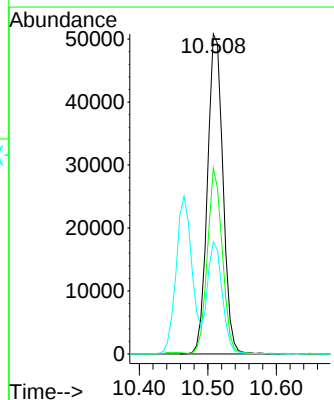
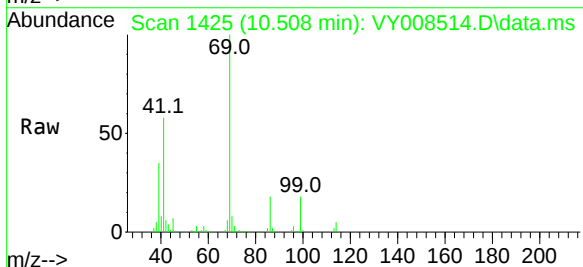
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

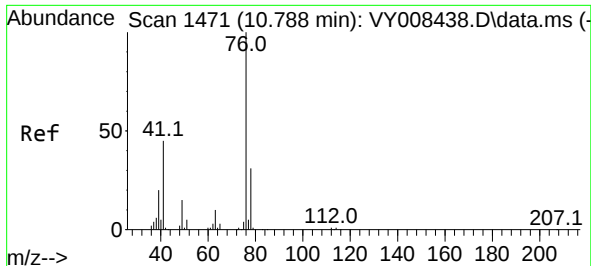
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 60574 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.5  | 69.8  | 104.8 |
| 85       | 53.1  | 44.3  | 66.5  |
| 99       | 62.7  | 49.8  | 74.6  |



#56  
Ethyl methacrylate  
Concen: 52.946 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 79961 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 55.7  | 63.4  | 95.0# |
| 39       | 33.3  | 35.8  | 53.8# |





#57

1,3-Dichloropropane

Concen: 51.835 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

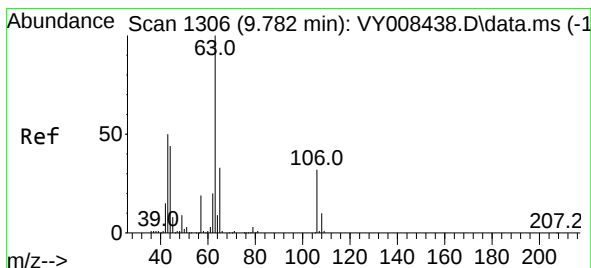
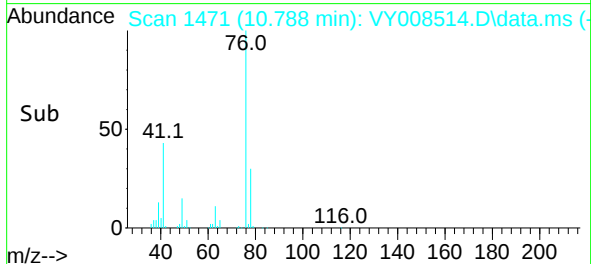
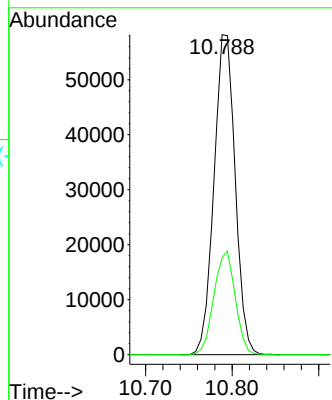
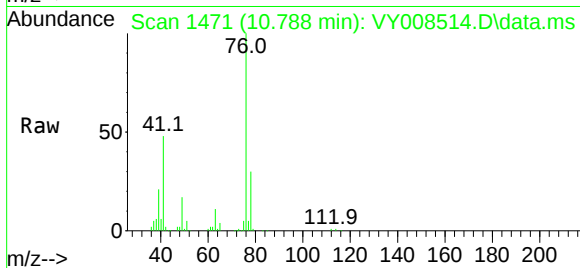
VSTDCCC050

Tgt Ion: 76 Resp: 98971

Ion Ratio Lower Upper

76 100

78 32.4 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 249.999 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY008514.D

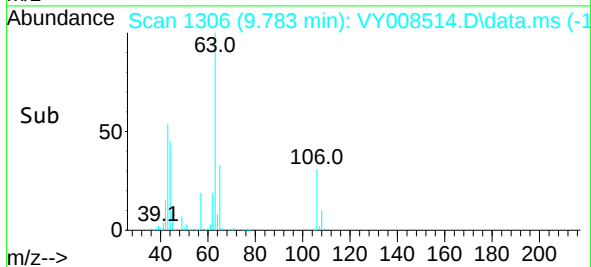
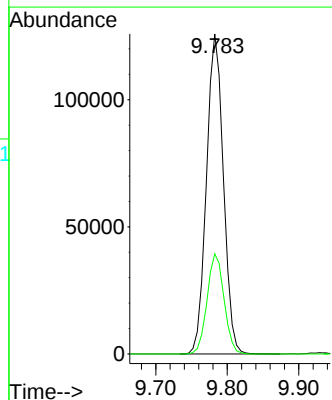
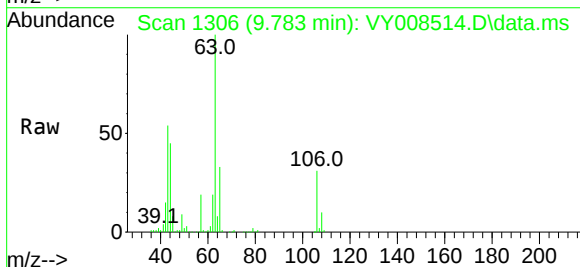
Acq: 27 Apr 2022 09:27

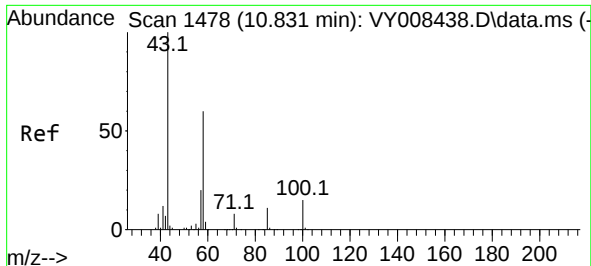
Tgt Ion: 63 Resp: 206921

Ion Ratio Lower Upper

63 100

106 31.3 21.5 32.3

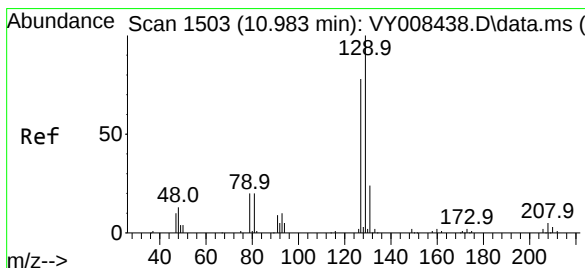
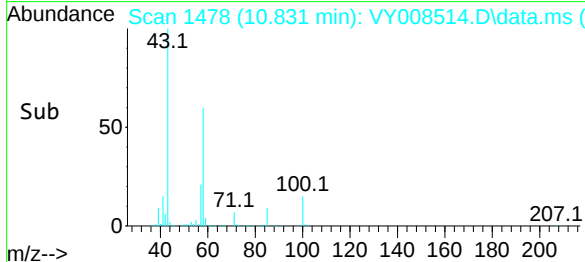
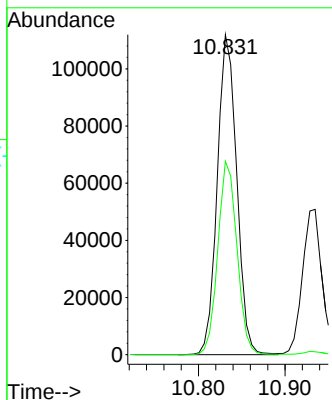
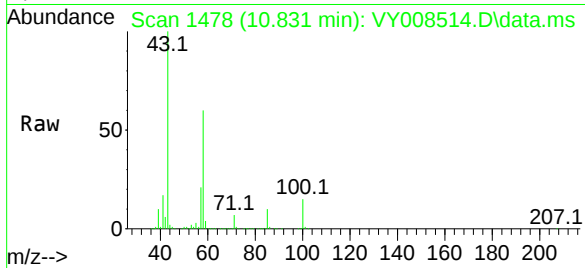




#59  
2-Hexanone  
Concen: 271.710 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

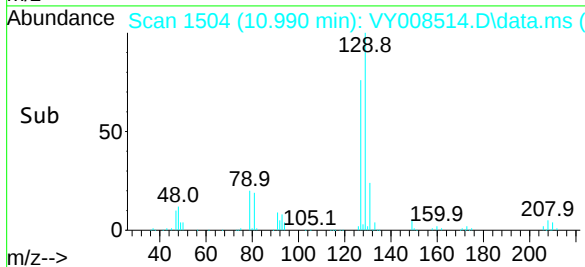
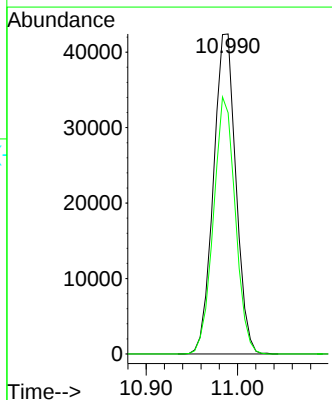
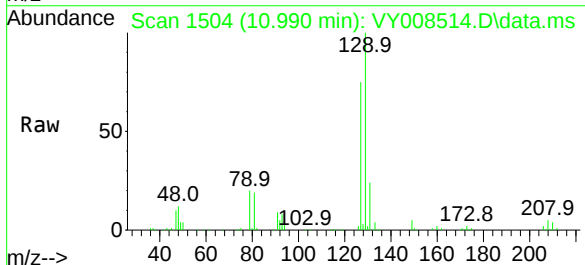
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

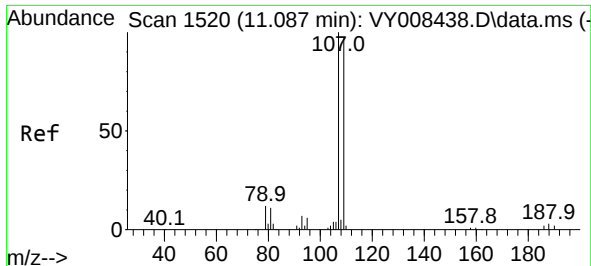
Tgt Ion: 43 Resp: 174674  
Ion Ratio Lower Upper  
43 100  
58 59.6 24.4 73.4



#60  
Dibromochloromethane  
Concen: 53.975 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.007 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 129 Resp: 72532  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.7 116.1

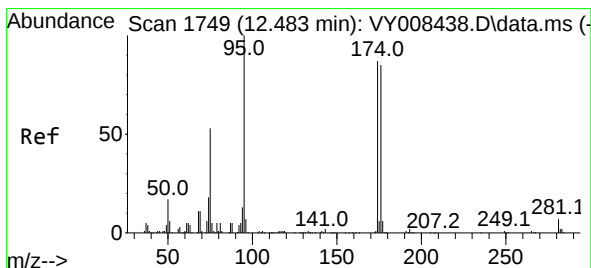
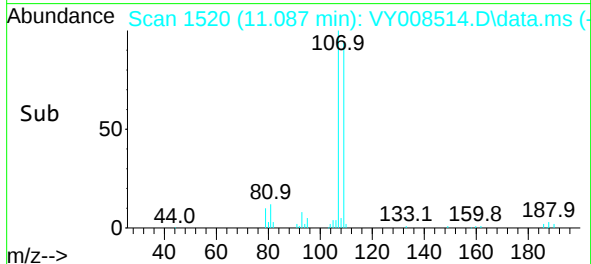
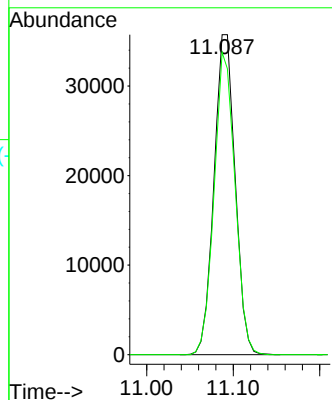
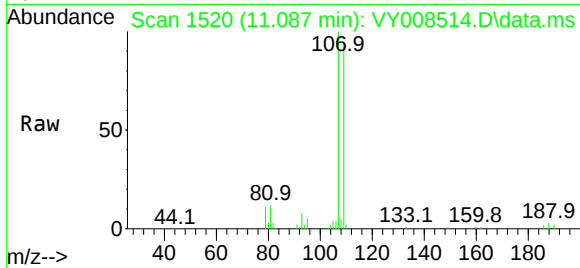




#61  
1,2-Dibromoethane  
Concen: 52.335 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

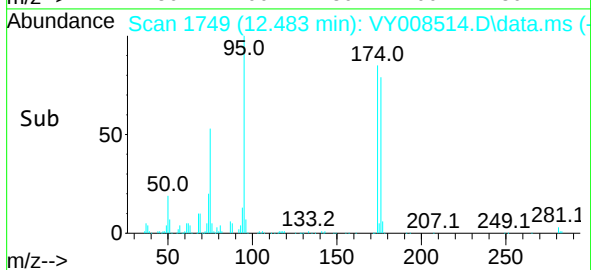
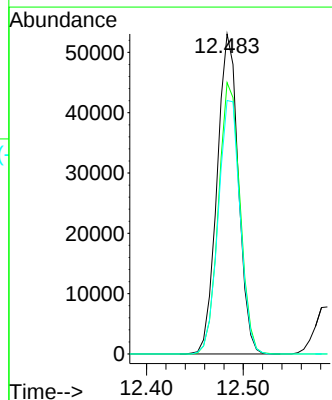
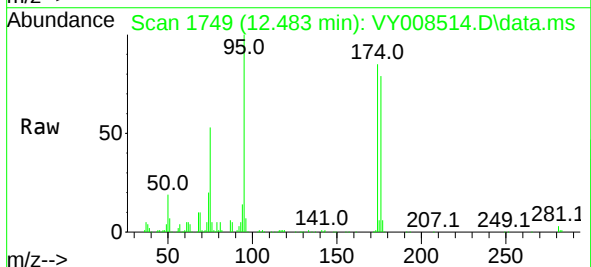
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

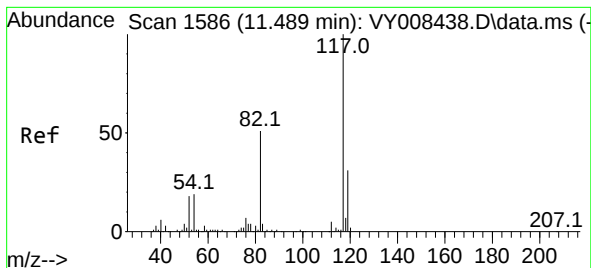
Tgt Ion:107 Resp: 60544  
Ion Ratio Lower Upper  
107 100  
109 93.6 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 54.589 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 95 Resp: 80682  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 177.0  
176 81.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

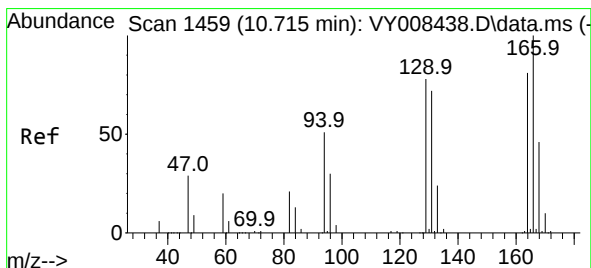
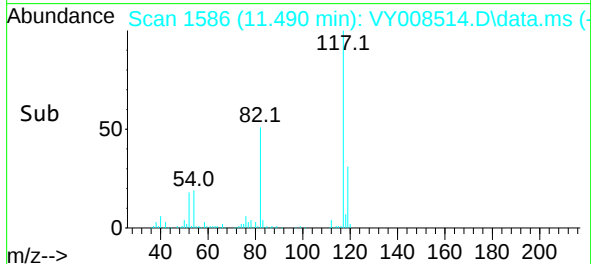
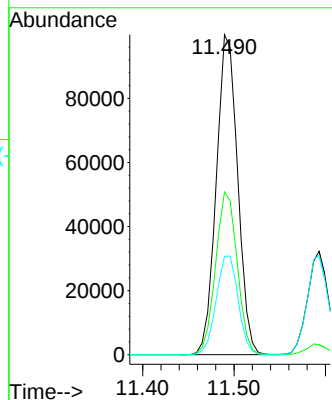
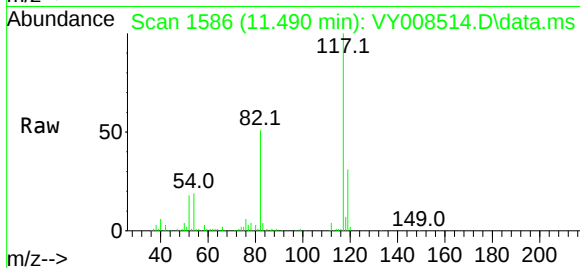
Tgt Ion:117 Resp: 162564

Ion Ratio Lower Upper

117 100

82 50.8 43.0 64.4

119 30.7 25.4 38.0



#64

Tetrachloroethene

Concen: 54.179 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Tgt Ion:164 Resp: 65315

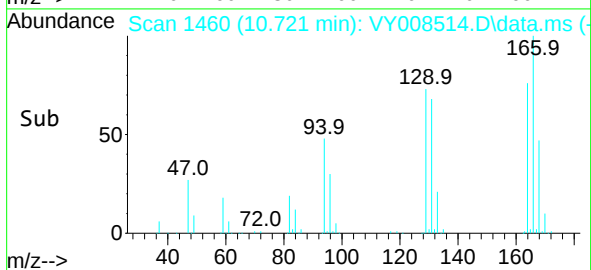
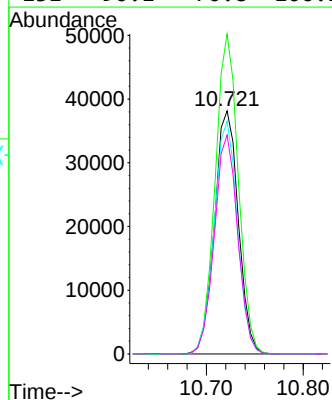
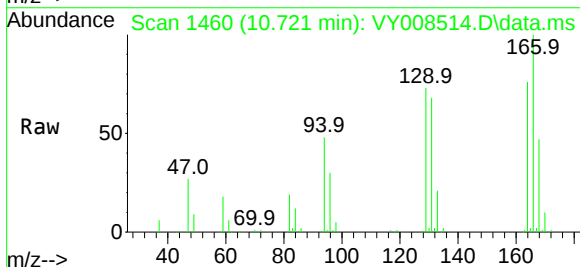
Ion Ratio Lower Upper

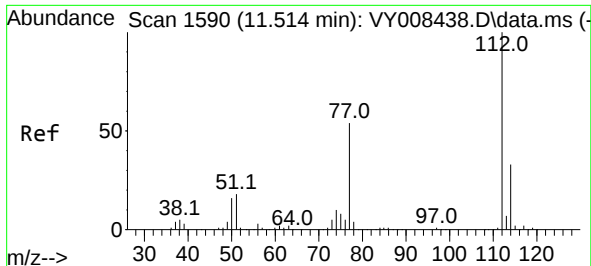
164 100

166 131.7 100.4 150.6

129 95.8 71.4 107.0

131 90.1 70.8 106.2

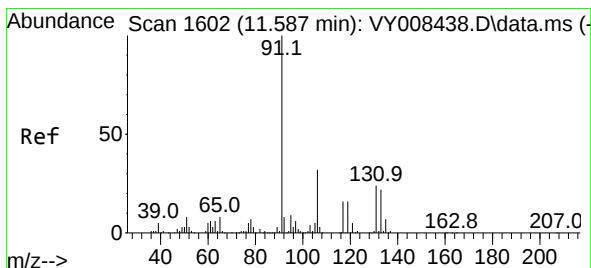
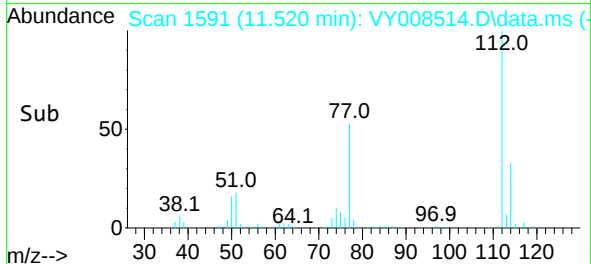
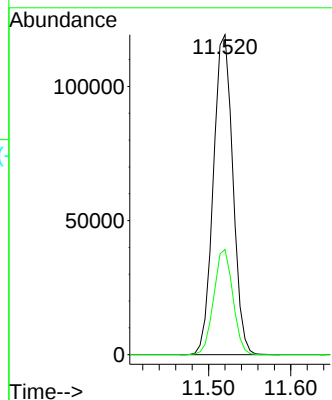
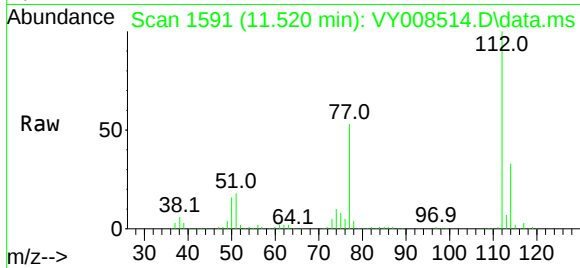




#65  
Chlorobenzene  
Concen: 53.482 ug/l  
RT: 11.520 min Scan# 111  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

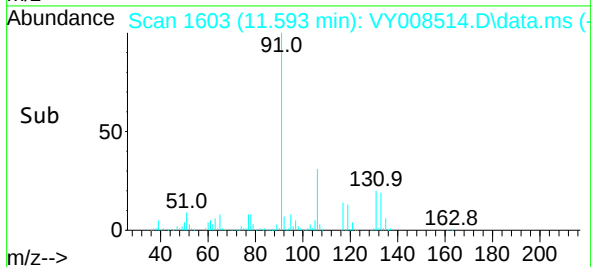
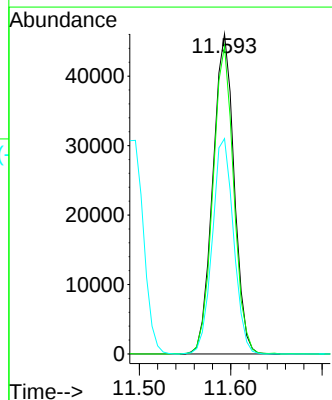
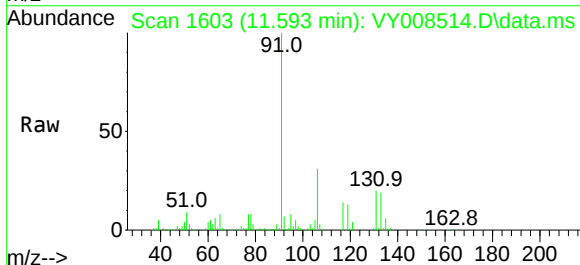
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

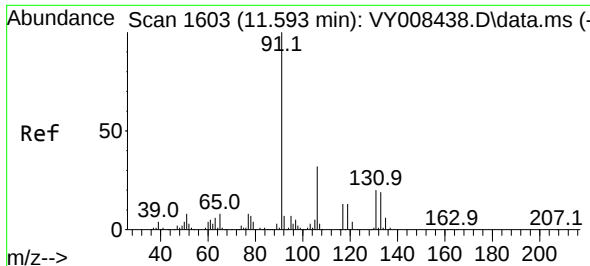
Tgt Ion:112 Resp: 196588  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.866 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion:131 Resp: 74457  
Ion Ratio Lower Upper  
131 100  
133 94.0 47.9 143.6  
119 67.2 30.8 92.3

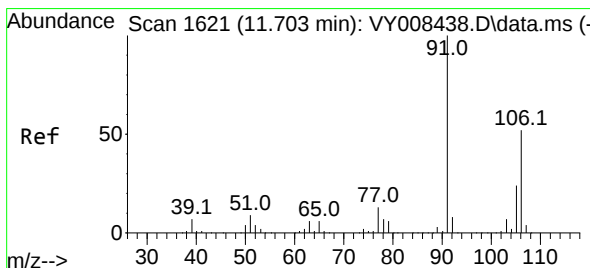
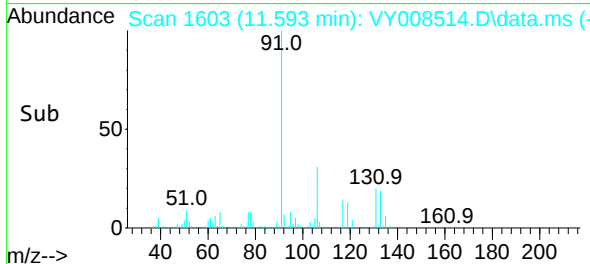
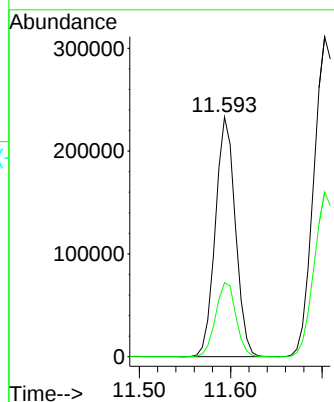
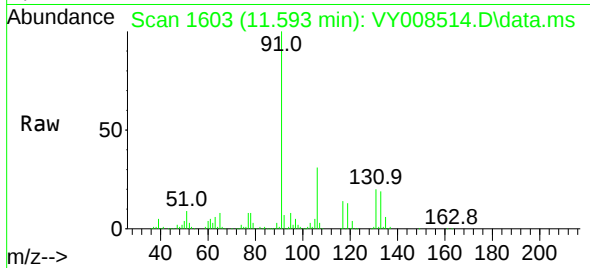




#67  
Ethyl Benzene  
Concen: 55.631 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

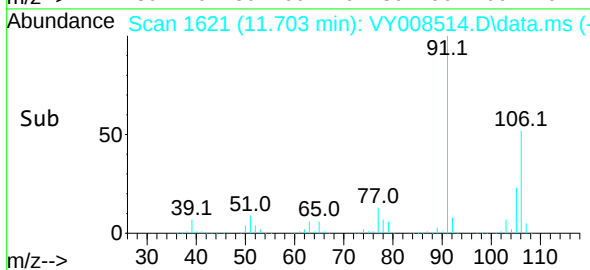
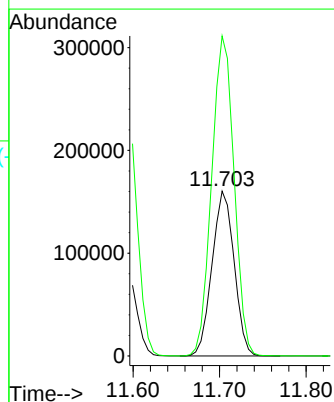
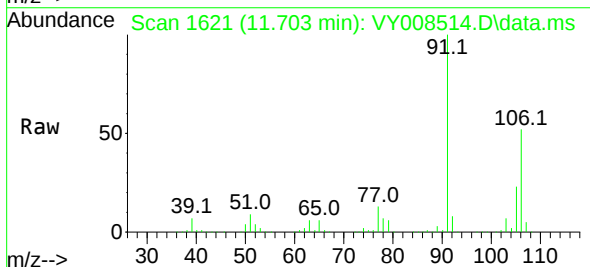
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

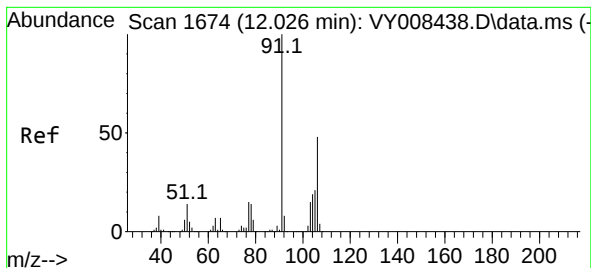
Tgt Ion: 91 Resp: 354885  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.5 36.7



#68  
m/p-Xylenes  
Concen: 111.237 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion:106 Resp: 284243  
Ion Ratio Lower Upper  
106 100  
91 196.4 166.6 249.8





#69

o-Xylene

Concen: 54.920 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

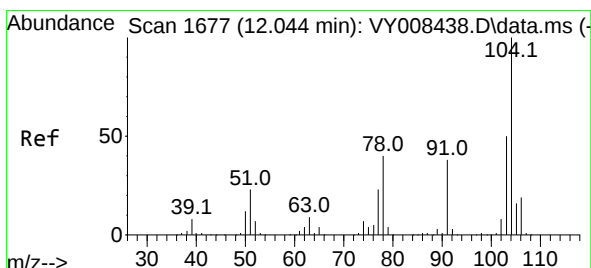
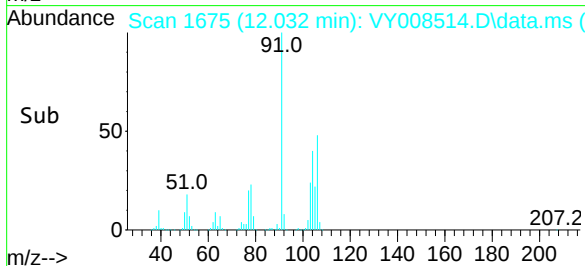
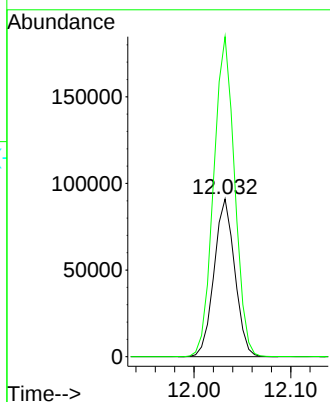
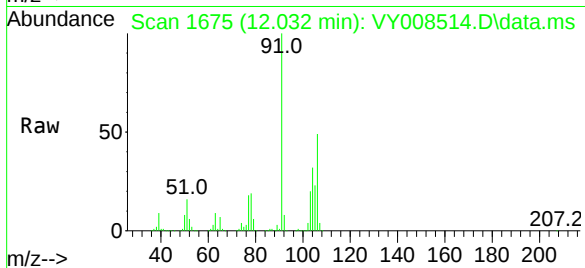
VSTDCCC050

Tgt Ion:106 Resp: 135106

Ion Ratio Lower Upper

106 100

91 206.2 110.3 331.0



#70

Styrene

Concen: 55.648 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

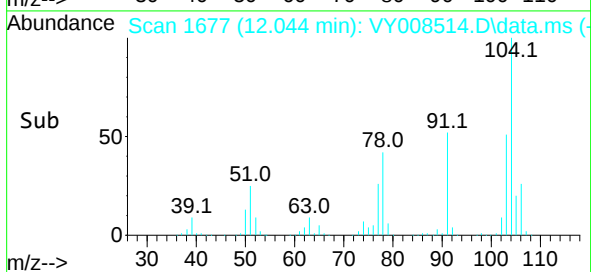
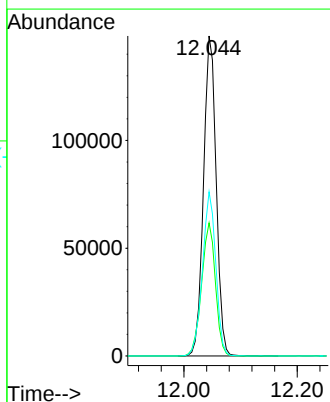
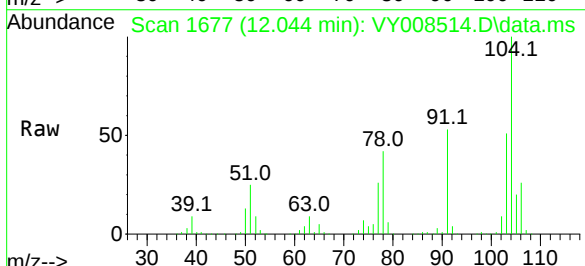
Tgt Ion:104 Resp: 230697

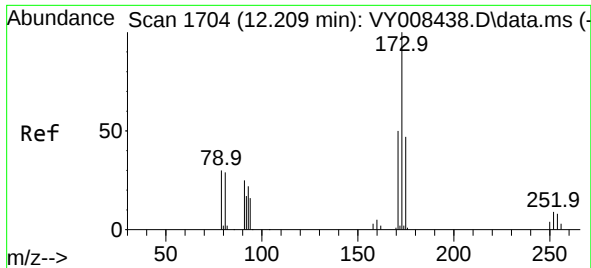
Ion Ratio Lower Upper

104 100

78 45.2 42.4 63.6

103 54.0 44.4 66.6

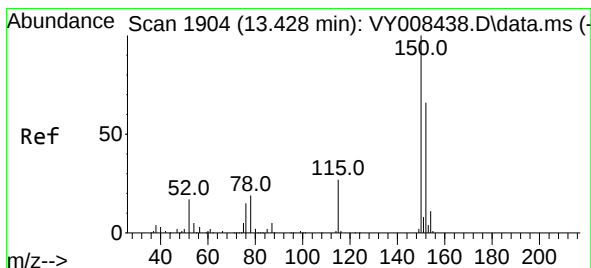
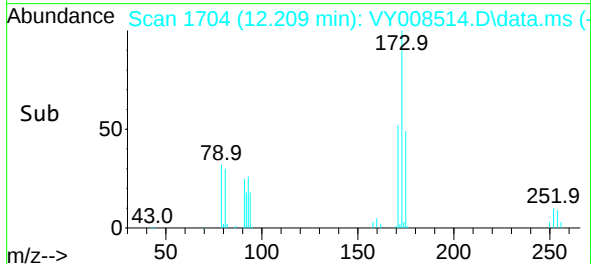
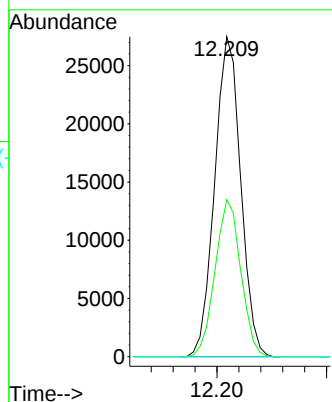
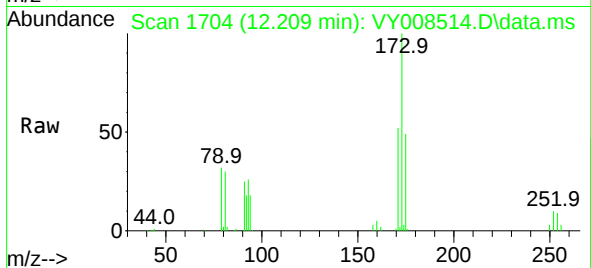




#71  
Bromoform  
Concen: 53.223 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

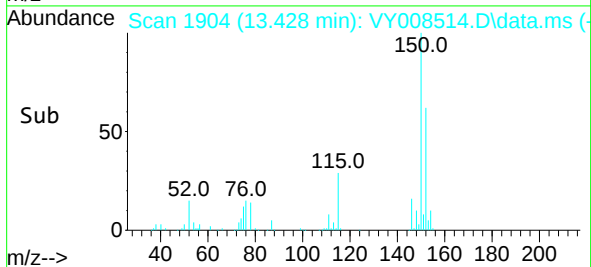
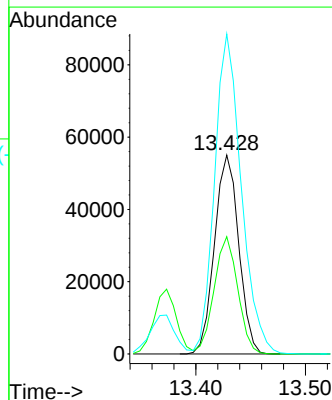
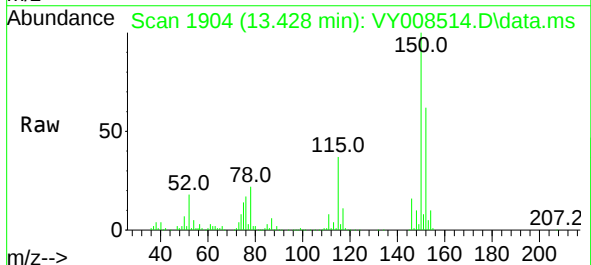
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

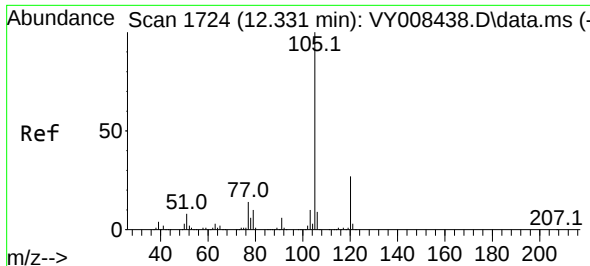
Tgt Ion:173 Resp: 45265  
Ion Ratio Lower Upper  
173 100  
175 48.4 24.6 74.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion:152 Resp: 84462  
Ion Ratio Lower Upper  
152 100  
115 57.7 28.2 84.7  
150 177.3 0.0 347.6

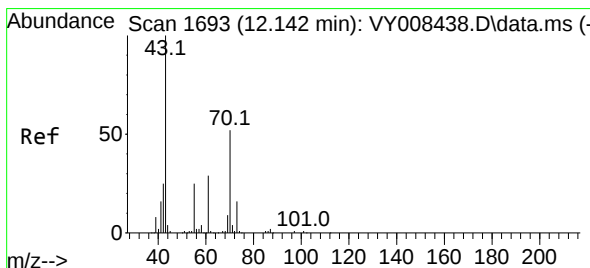
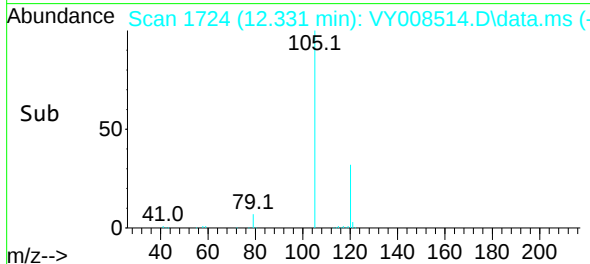
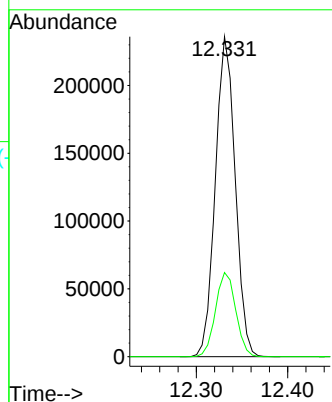
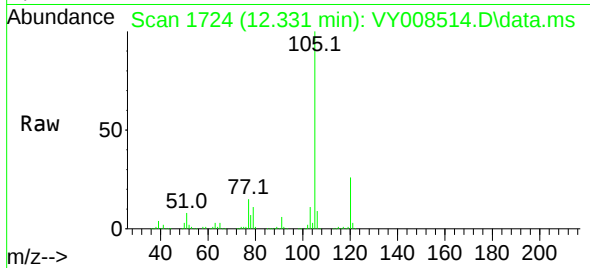




#73  
Isopropylbenzene  
Concen: 55.602 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

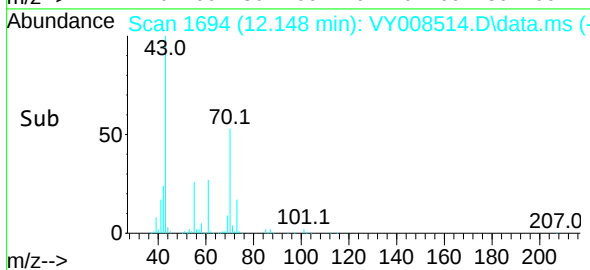
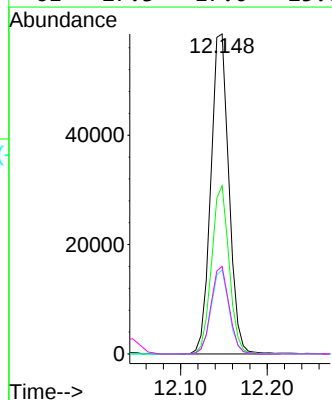
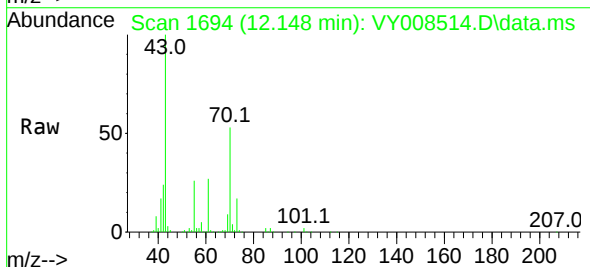
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

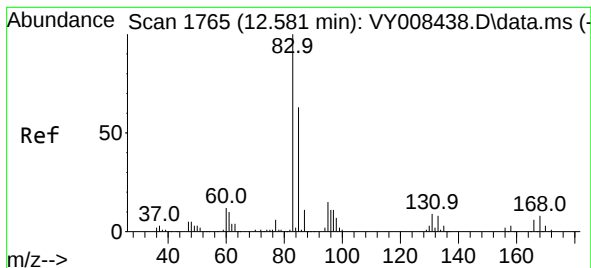
Tgt Ion:105 Resp: 356065  
Ion Ratio Lower Upper  
105 100  
120 26.8 13.4 40.2



#74  
N-ethyl acetate  
Concen: 53.679 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 43 Resp: 84937  
Ion Ratio Lower Upper  
43 100  
70 50.9 28.7 43.1#  
55 26.0 17.3 25.9#  
61 27.3 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 52.144 ug/l

RT: 12.587 min Scan# 1765

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

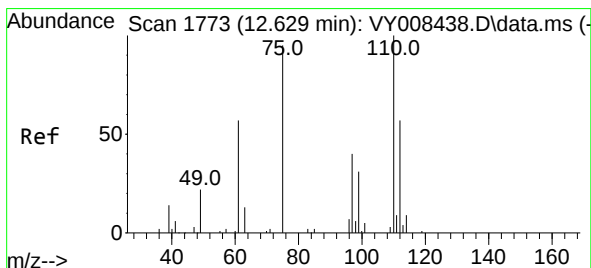
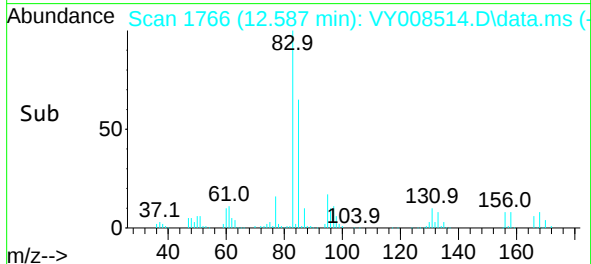
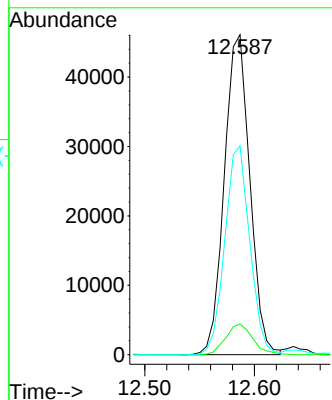
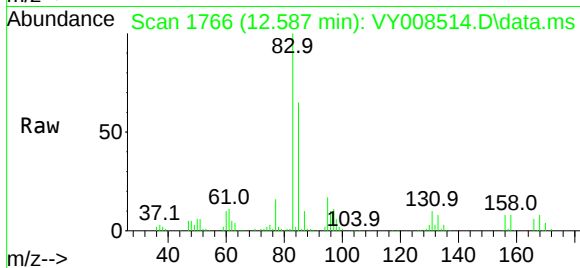
Tgt Ion: 83 Resp: 74610

Ion Ratio Lower Upper

83 100

131 10.2 5.6 16.8

85 63.8 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 85.277 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.007 min

Lab File: VY008514.D

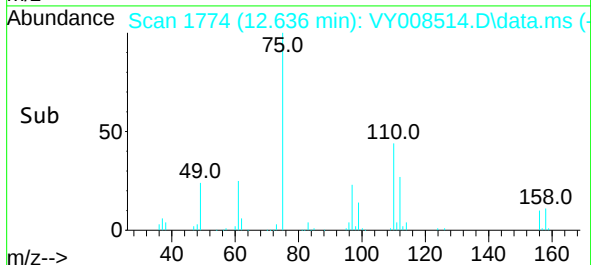
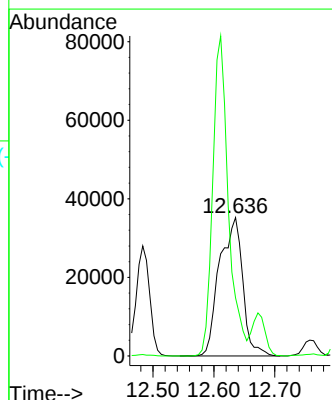
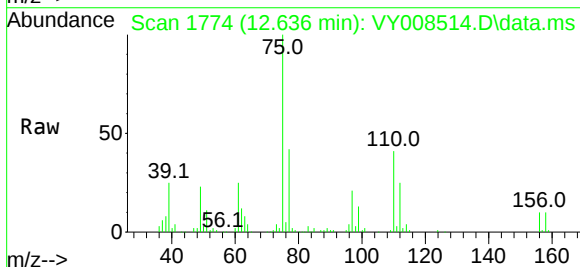
Acq: 27 Apr 2022 09:27

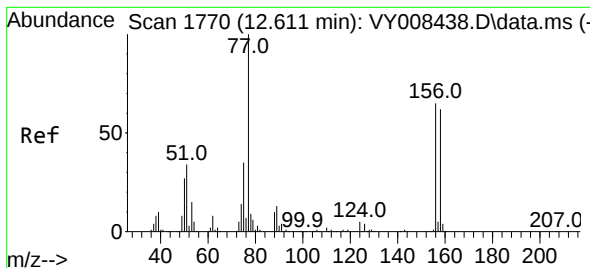
Tgt Ion: 75 Resp: 93214

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.779 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

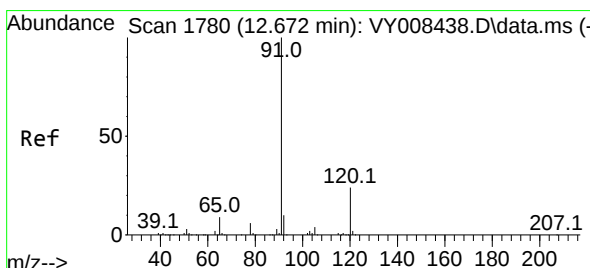
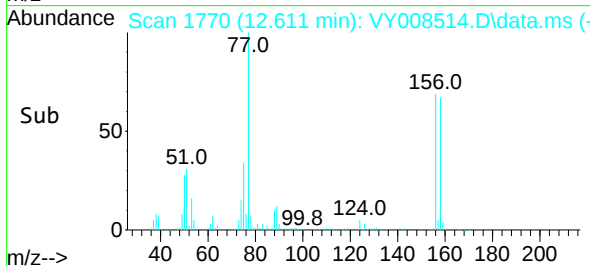
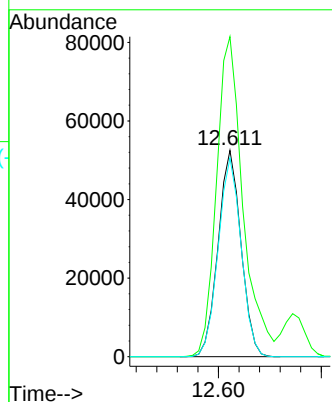
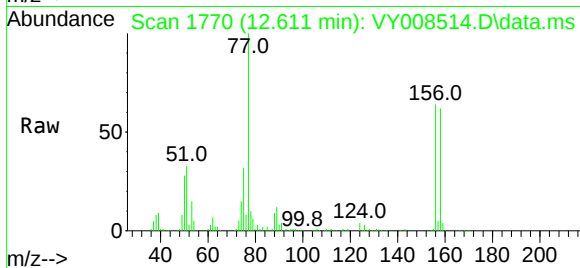
Tgt Ion:156 Resp: 80868

Ion Ratio Lower Upper

156 100

77 179.6 95.5 286.4

158 96.7 48.0 144.0



#78

n-propylbenzene

Concen: 56.246 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY008514.D

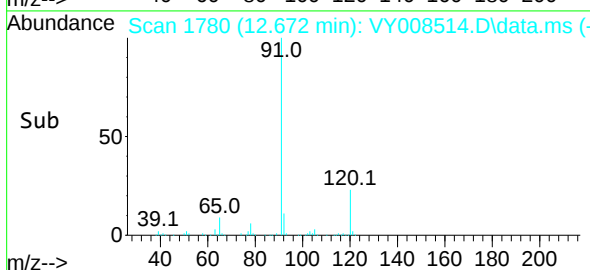
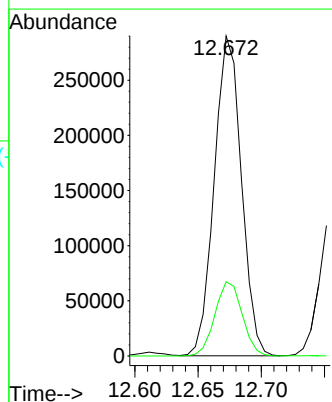
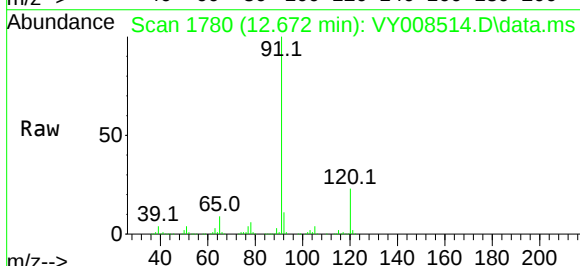
Acq: 27 Apr 2022 09:27

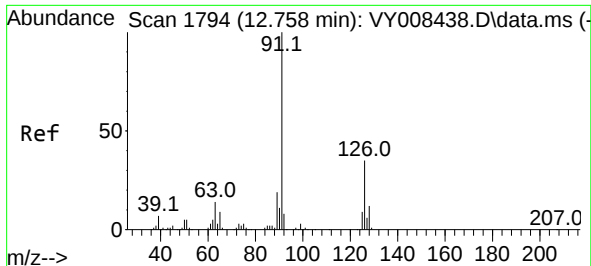
Tgt Ion: 91 Resp: 432040

Ion Ratio Lower Upper

91 100

120 23.3 11.3 33.9

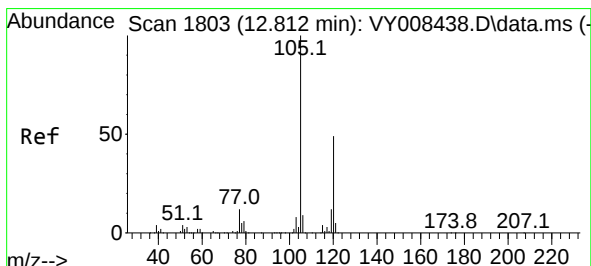
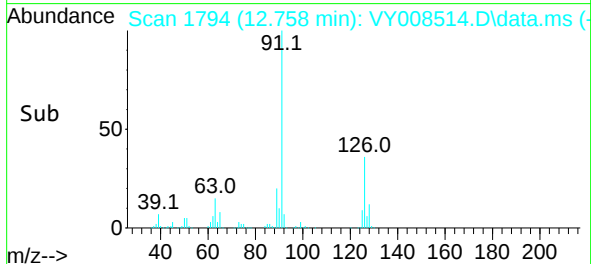
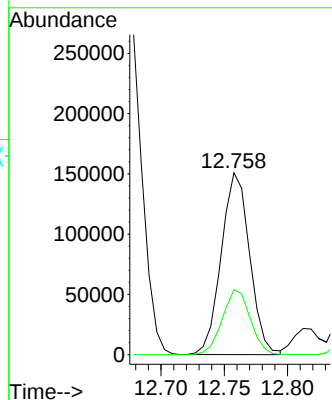
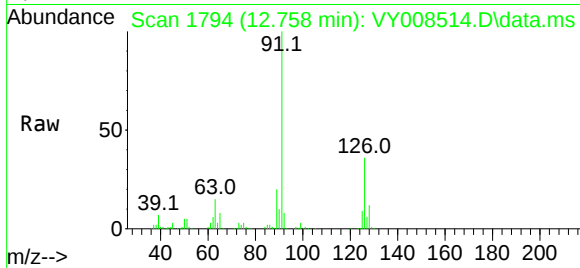




#79  
2-Chlorotoluene  
Concen: 54.527 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

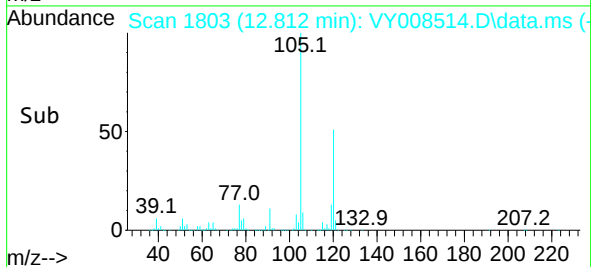
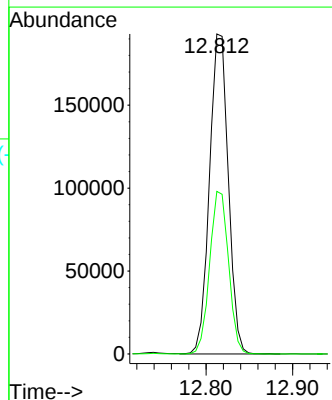
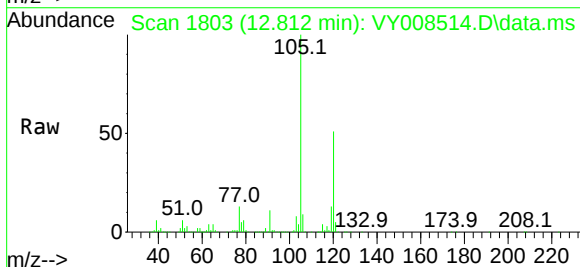
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

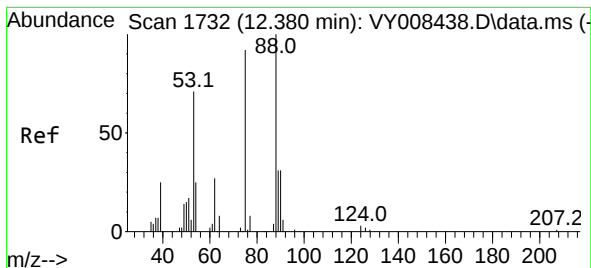
Tgt Ion: 91 Resp: 235730  
Ion Ratio Lower Upper  
91 100  
126 35.2 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 54.755 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 105 Resp: 291050  
Ion Ratio Lower Upper  
105 100  
120 51.0 24.4 73.4

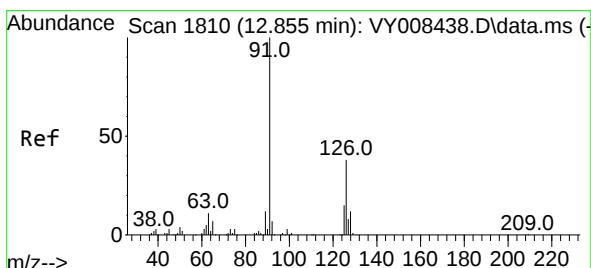
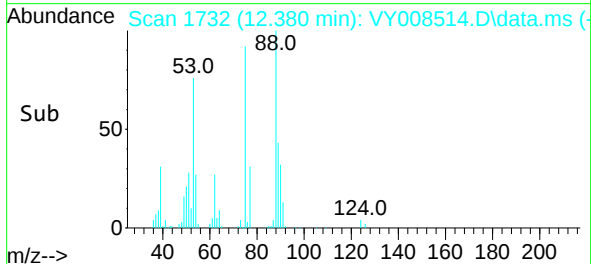
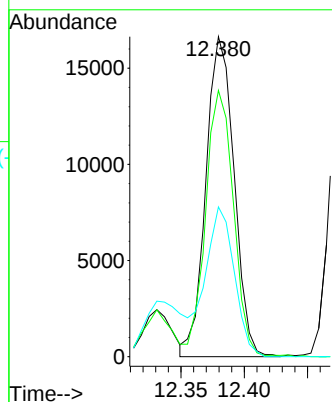
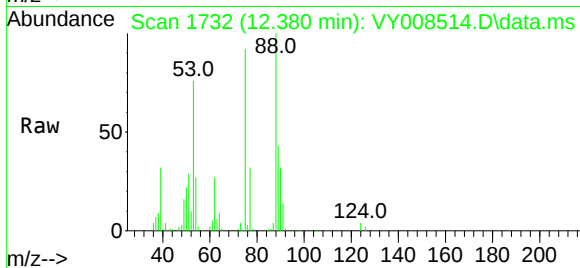




#81  
trans-1,4-Dichloro-2-butene  
Concen: 54.769 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

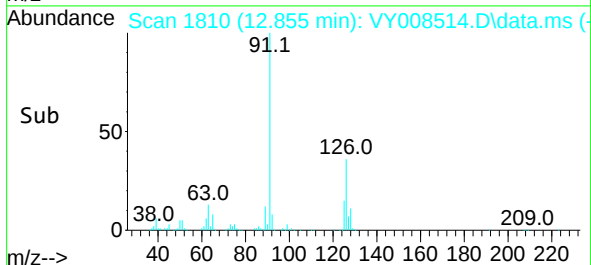
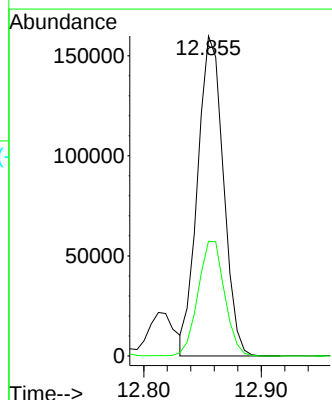
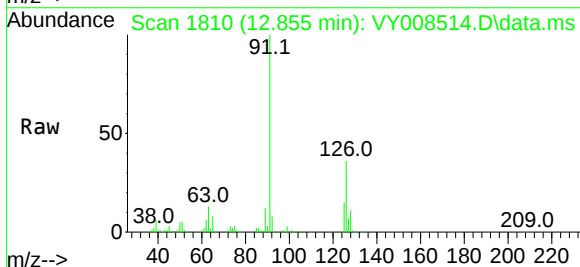
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

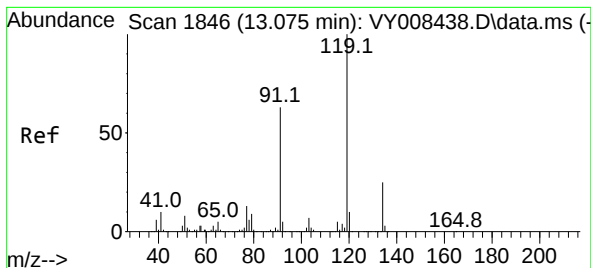
Tgt Ion: 75 Resp: 25806  
Ion Ratio Lower Upper  
75 100  
53 82.7 85.3 127.9#  
89 48.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 54.390 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 91 Resp: 243666  
Ion Ratio Lower Upper  
91 100  
126 37.0 17.0 51.0





#83

tert-Butylbenzene

Concen: 57.567 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

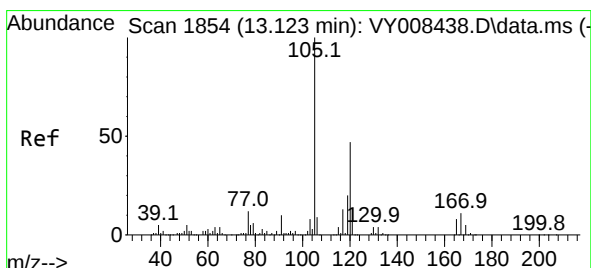
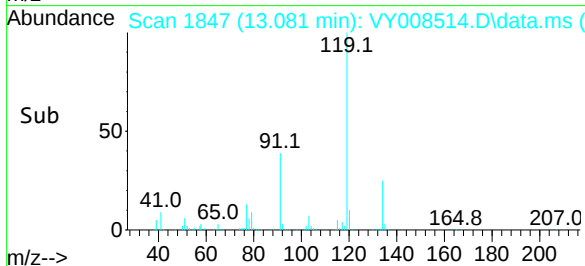
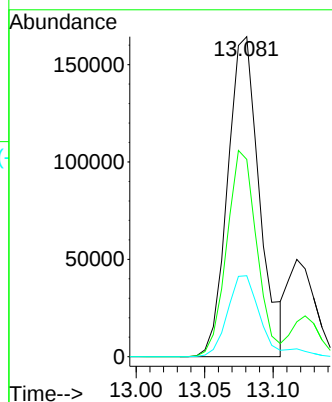
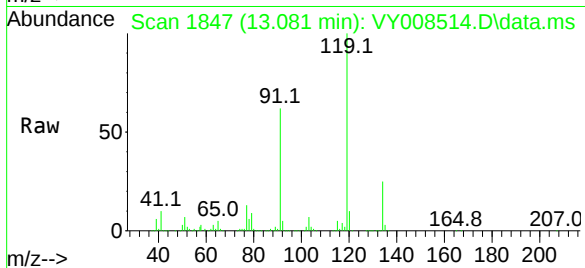
Tgt Ion:119 Resp: 265637

Ion Ratio Lower Upper

119 100

91 60.9 34.8 104.4

134 26.7 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 56.366 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY008514.D

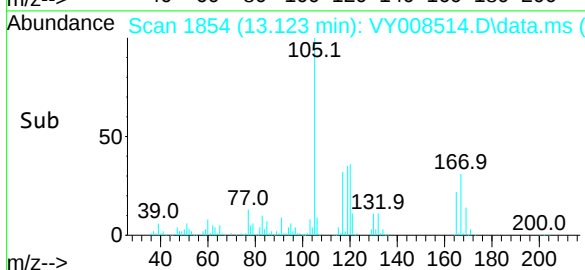
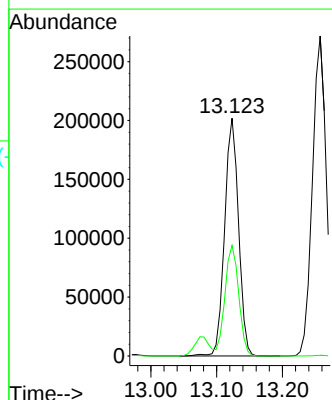
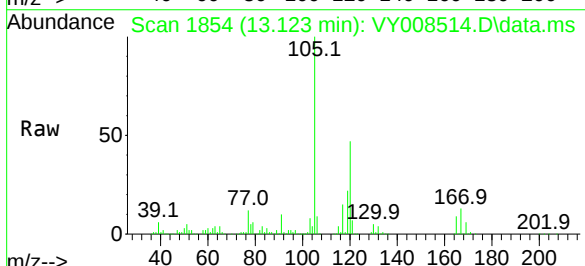
Acq: 27 Apr 2022 09:27

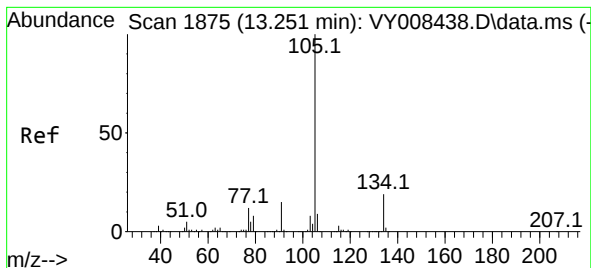
Tgt Ion:105 Resp: 297281

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 57.317 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

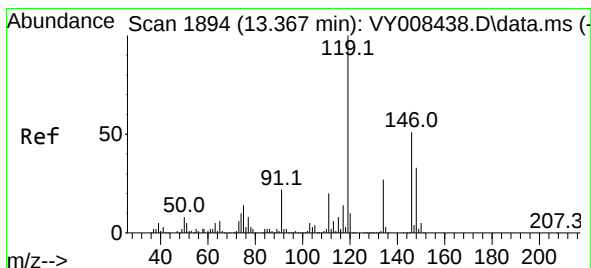
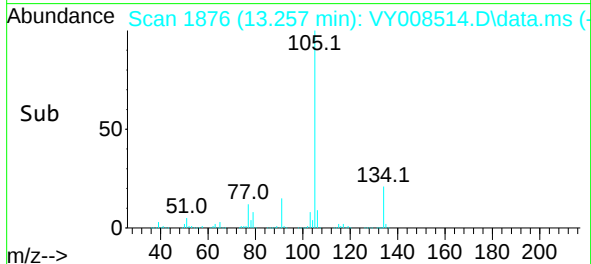
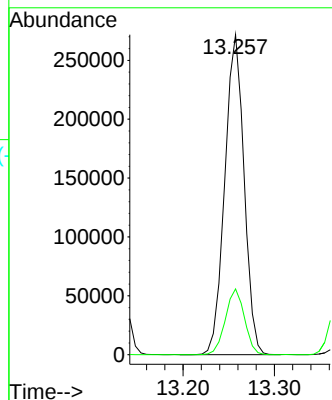
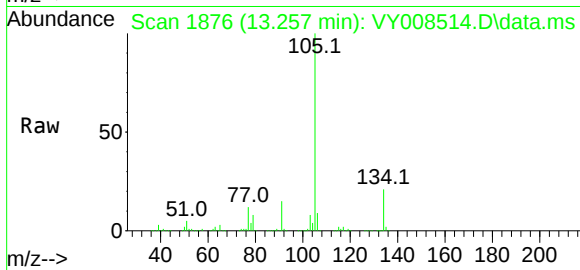
VSTDCCC050

Tgt Ion:105 Resp: 399147

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 57.675 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

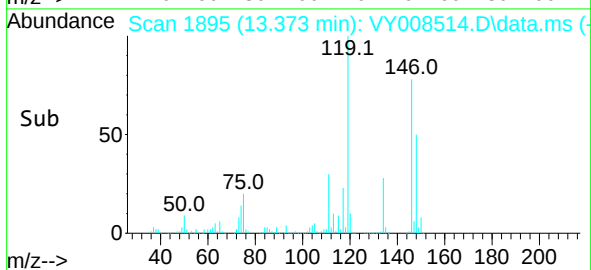
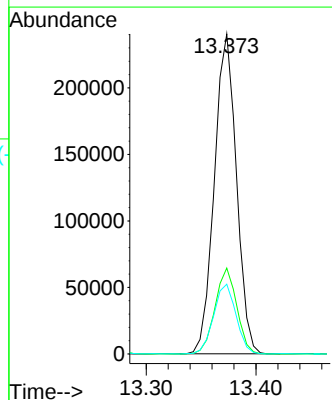
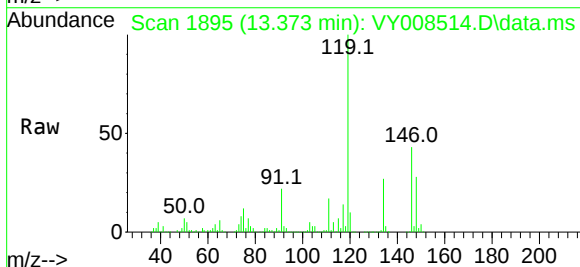
Tgt Ion:119 Resp: 336360

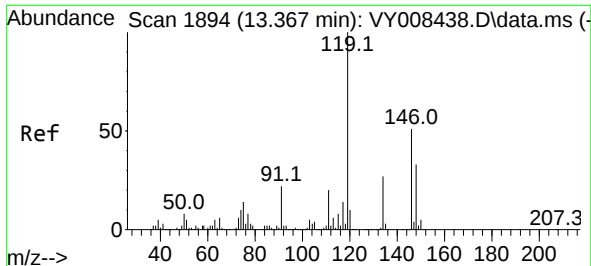
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 22.2 12.4 37.2

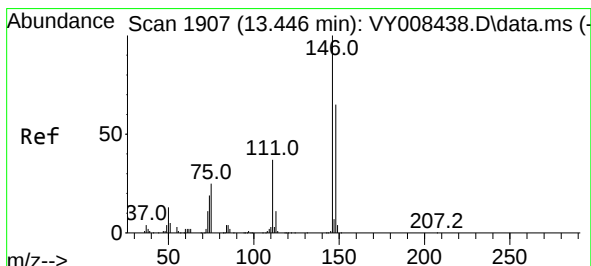
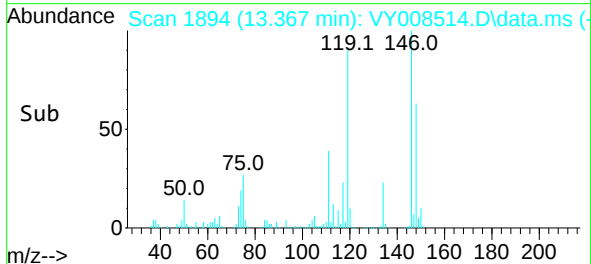
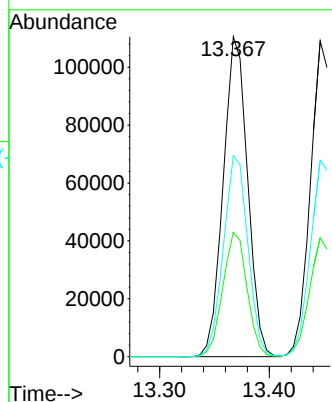
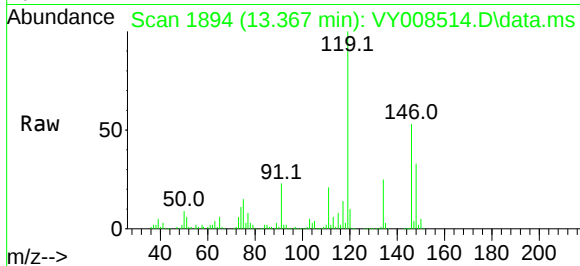




#87  
1,3-Dichlorobenzene  
Concen: 54.729 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

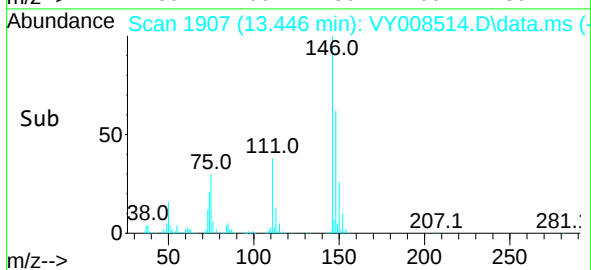
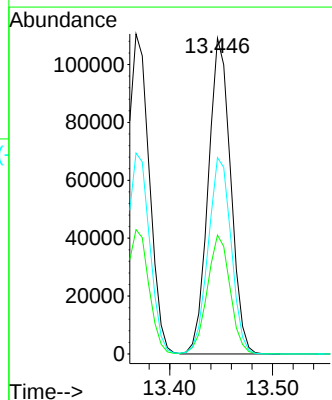
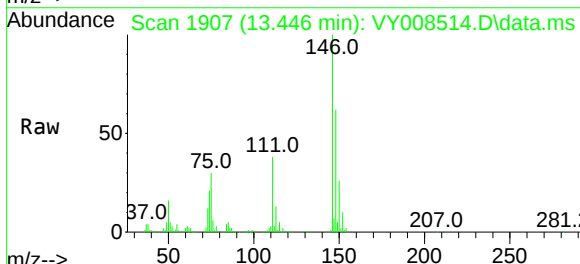
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

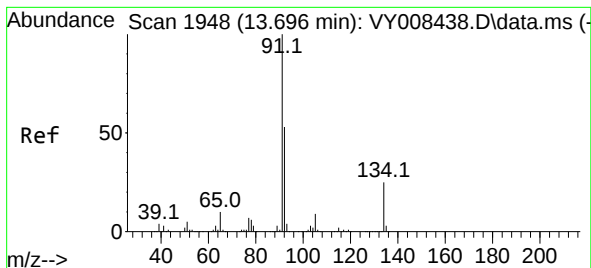
Tgt Ion:146 Resp: 171125  
Ion Ratio Lower Upper  
146 100  
111 38.7 19.5 58.5  
148 63.2 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 53.410 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion:146 Resp: 165432  
Ion Ratio Lower Upper  
146 100  
111 38.2 19.3 57.8  
148 63.6 32.6 97.8





#89

n-Butylbenzene

Concen: 58.339 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

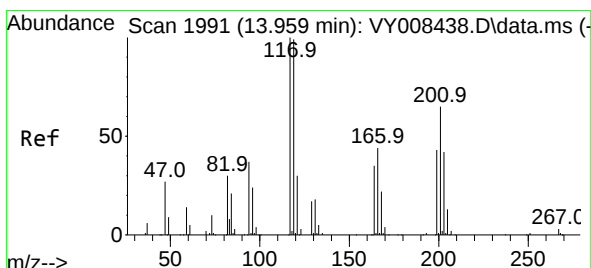
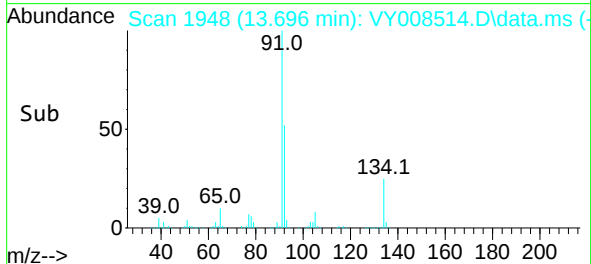
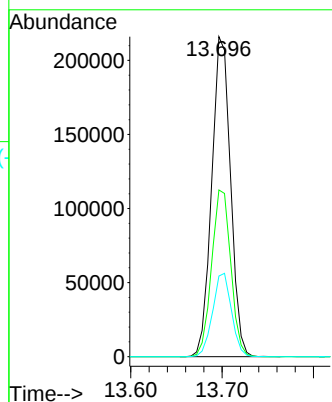
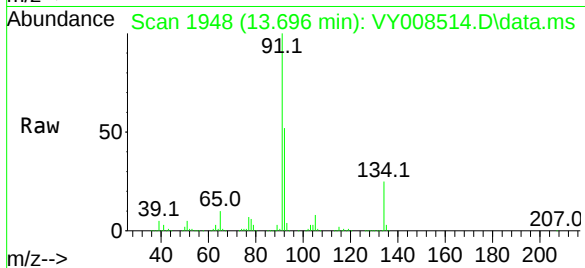
Tgt Ion: 91 Resp: 308808

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.9

134 26.2 13.0 38.9



#90

Hexachloroethane

Concen: 57.779 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY008514.D

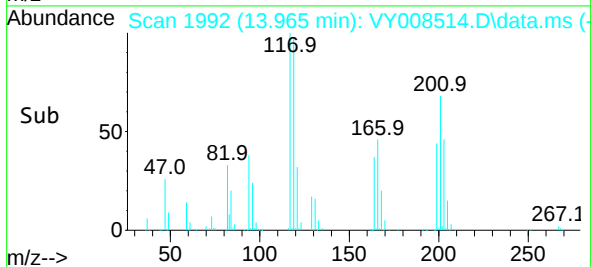
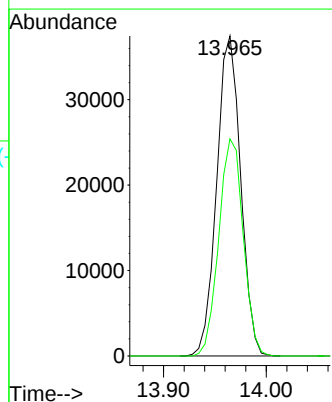
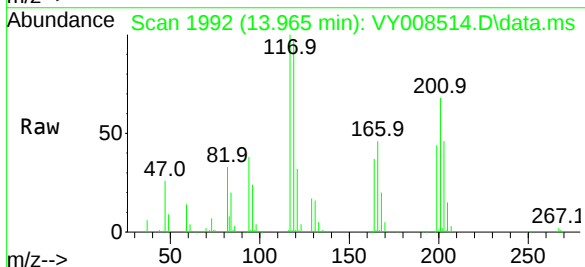
Acq: 27 Apr 2022 09:27

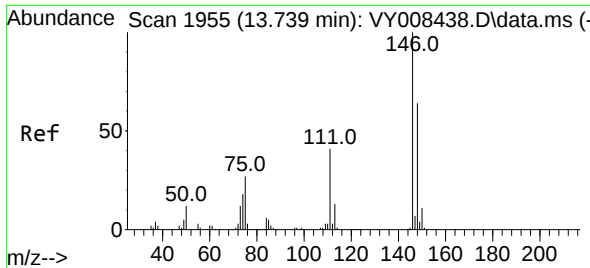
Tgt Ion: 117 Resp: 60582

Ion Ratio Lower Upper

117 100

201 69.3 43.0 128.8

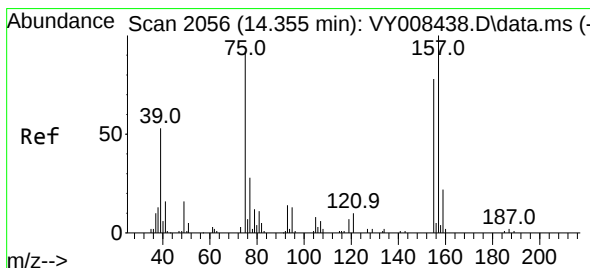
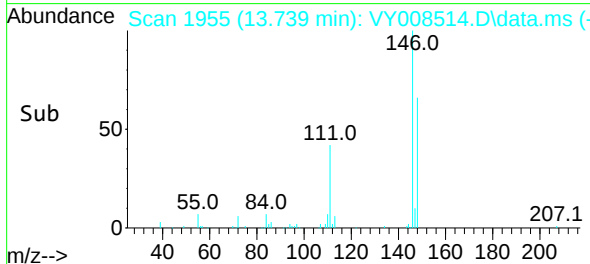
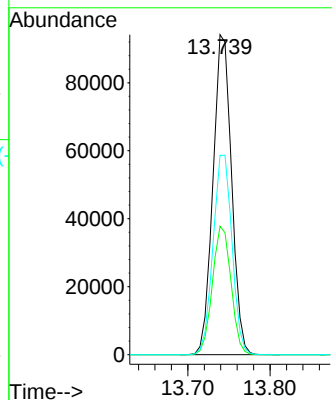
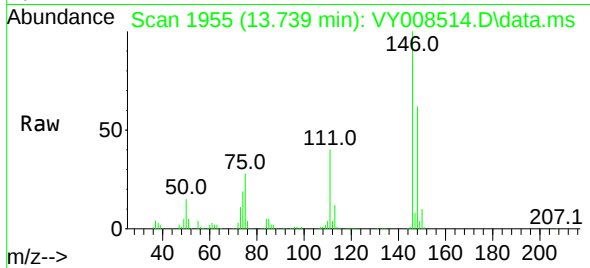




#91  
1,2-Dichlorobenzene  
Concen: 53.189 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

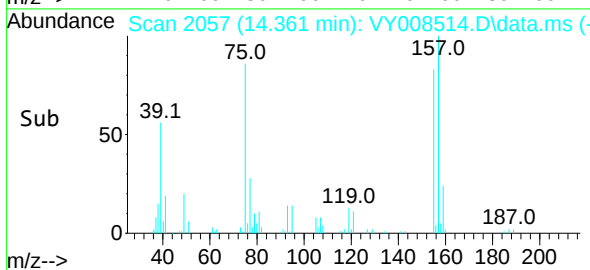
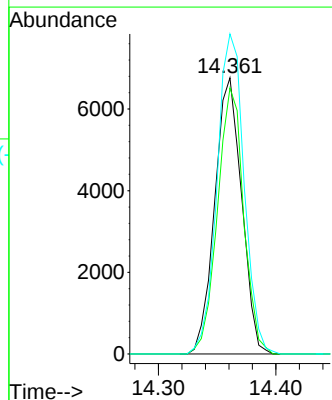
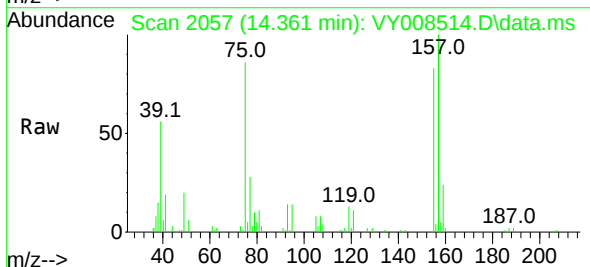
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

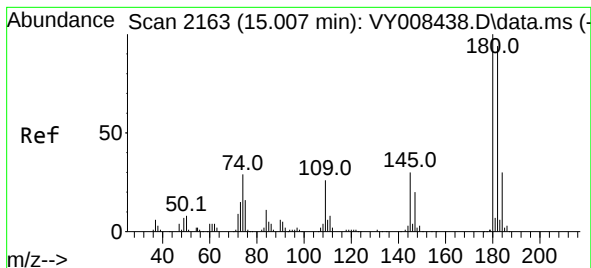
Tgt Ion:146 Resp: 147878  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.3 60.9  
148 63.8 32.3 96.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 49.965 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY008514.D  
Acq: 27 Apr 2022 09:27

Tgt Ion: 75 Resp: 10744  
Ion Ratio Lower Upper  
75 100  
155 93.7 38.0 113.9  
157 116.8 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 51.704 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

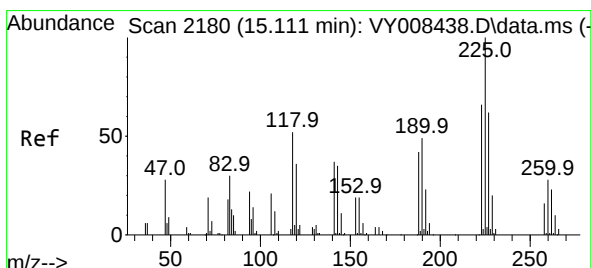
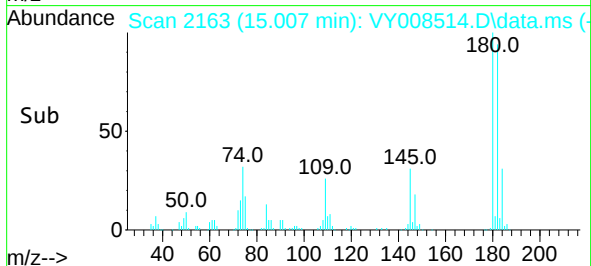
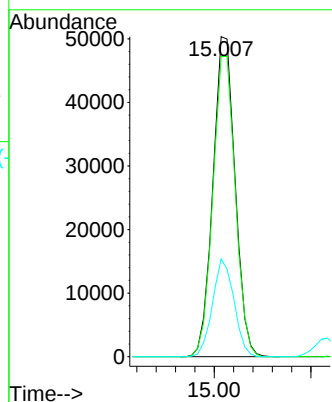
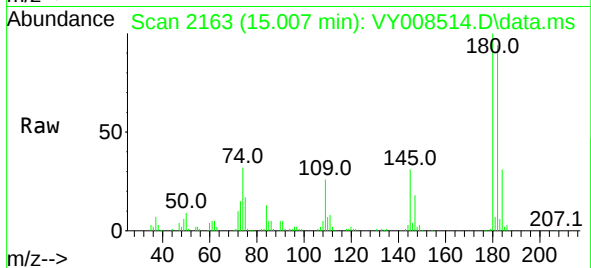
Tgt Ion:180 Resp: 80017

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.9

145 29.6 14.6 43.8



#94

Hexachlorobutadiene

Concen: 55.329 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

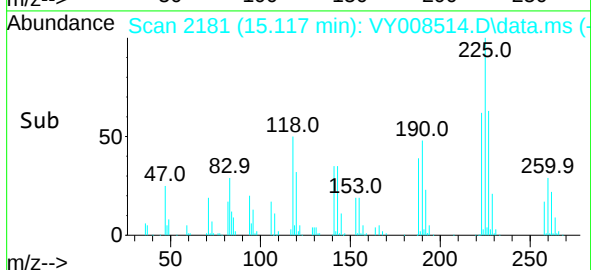
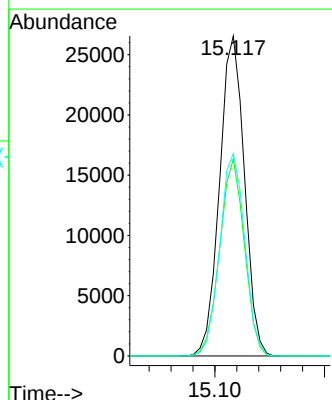
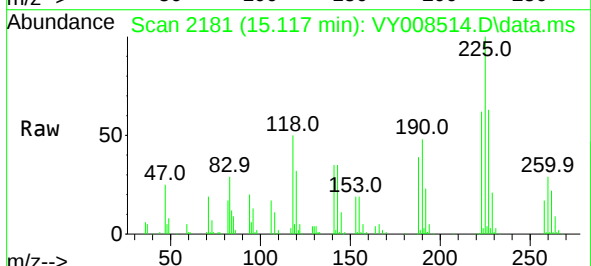
Tgt Ion:225 Resp: 41779

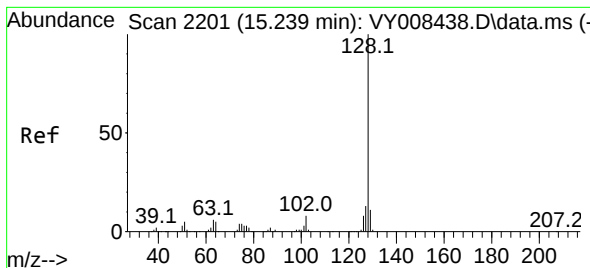
Ion Ratio Lower Upper

225 100

223 61.1 30.8 92.3

227 63.6 31.6 94.7





#95

Naphthalene

Concen: 50.851 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

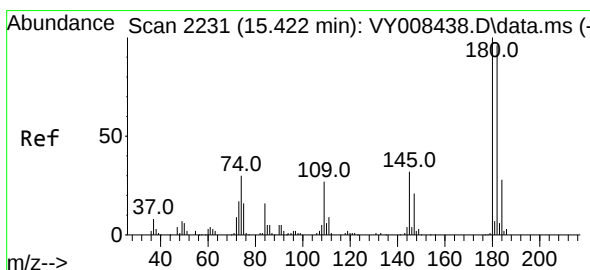
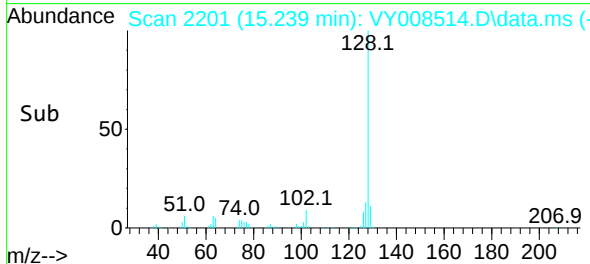
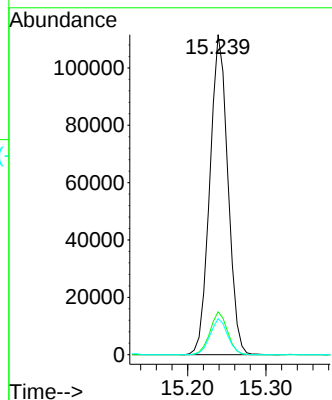
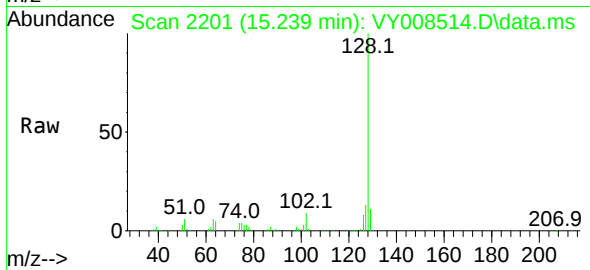
Tgt Ion:128 Resp: 178403

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.4

129 11.0 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 51.522 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY008514.D

Acq: 27 Apr 2022 09:27

Tgt Ion:180 Resp: 69790

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

145 31.5 15.3 45.9

