

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081422\  
 Data File : VY010004.D  
 Acq On : 14 Aug 2022 17:52  
 Operator : KP/MD  
 Sample : VY0814SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Quant Time: Aug 15 00:39:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 13 02:54:57 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 103699   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 172434   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 155522   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 77375    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.130  | 65    | 52757    | 50.153   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.300% |          |
| 35) Dibromofluoromethane     | 7.710  | 113   | 55651    | 52.731   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 105.460% |          |
| 50) Toluene-d8               | 10.173 | 98    | 211135   | 52.212   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 104.420% |          |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 76910    | 51.911   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 103.820% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 21793    | 23.410   | ug/l       | 99       |
| 3) Chloromethane             | 2.107  | 50    | 12132    | 17.742   | ug/l       | 99       |
| 4) Vinyl Chloride            | 2.241  | 62    | 12373    | 17.173   | ug/l       | 95       |
| 5) Bromomethane              | 2.637  | 94    | 10085    | 18.124   | ug/l       | 100      |
| 6) Chloroethane              | 2.778  | 64    | 8232     | 17.282   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 3.113  | 101   | 34114    | 19.113   | ug/l       | 95       |
| 8) Diethyl Ether             | 3.515  | 74    | 11910    | 17.727   | ug/l       | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 3.881  | 101   | 22079    | 19.250   | ug/l       | 97       |
| 10) Methyl Iodide            | 4.076  | 142   | 23084    | 16.825   | ug/l       | 98       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 9974     | 88.042   | ug/l #     | 95       |
| 12) 1,1-Dichloroethene       | 3.857  | 96    | 20742    | 18.627   | ug/l       | 88       |
| 13) Acrolein                 | 3.723  | 56    | 10702    | 79.068   | ug/l       | 96       |
| 14) Allyl chloride           | 4.466  | 41    | 24414    | 15.725   | ug/l #     | 93       |
| 15) Acrylonitrile            | 5.149  | 53    | 27423    | 85.276   | ug/l       | 98       |
| 16) Acetone                  | 3.936  | 43    | 21195    | 83.894   | ug/l #     | 89       |
| 17) Carbon Disulfide         | 4.180  | 76    | 59399    | 16.390   | ug/l       | 96       |
| 18) Methyl Acetate           | 4.460  | 43    | 11849    | 15.023   | ug/l #     | 88       |
| 19) Methyl tert-butyl Ether  | 5.210  | 73    | 50231    | 18.460   | ug/l       | 94       |
| 20) Methylene Chloride       | 4.698  | 84    | 31277    | 20.122   | ug/l #     | 80       |
| 21) trans-1,2-Dichloroethene | 5.204  | 96    | 22474    | 18.160   | ug/l       | 91       |
| 22) Diisopropyl ether        | 6.106  | 45    | 53019    | 16.892   | ug/l #     | 90       |
| 23) Vinyl Acetate            | 6.051  | 43    | 162850   | 83.969   | ug/l #     | 92       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 35846    | 17.897   | ug/l       | 98       |
| 25) 2-Butanone               | 6.978  | 43    | 31622    | 80.663   | ug/l #     | 84       |
| 26) 2,2-Dichloropropane      | 6.966  | 77    | 33643    | 18.951   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 6.972  | 96    | 25176    | 18.938   | ug/l       | 92       |
| 28) Bromochloromethane       | 7.320  | 49    | 12598    | 15.748   | ug/l #     | 73       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 19329    | 78.016   | ug/l #     | 80       |
| 30) Chloroform               | 7.502  | 83    | 40328    | 19.472   | ug/l       | 97       |
| 31) Cyclohexane              | 7.777  | 56    | 31428    | 16.691   | ug/l #     | 85       |
| 32) 1,1,1-Trichloroethane    | 7.691  | 97    | 34170    | 19.416   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 28992    | 18.448   | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.070  | 43    | 13949    | 16.446   | ug/l #     | 93       |
| 38) Carbon Tetrachloride     | 7.893  | 117   | 32849    | 20.945   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.179  | 83    | 33930    | 17.931   | ug/l       | 97       |
| 40) Benzene                  | 8.155  | 78    | 89426    | 18.804   | ug/l       | 99       |

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 Sample : VY0814SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

Quant Time: Aug 15 00:39:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 13 02:54:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 5824     | 12.928  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 23809    | 19.326  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 24433    | 16.596  | ug/l # | 88       |
| 44) Trichloroethene           | 8.929  | 130  | 24680    | 19.163  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 20576    | 18.032  | ug/l   | 95       |
| 46) Dibromomethane            | 9.301  | 93   | 13126    | 19.106  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.490  | 83   | 30467    | 19.948  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 10663    | 16.507  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 3134     | 378.964 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 66321    | 83.089  | ug/l   | 89       |
| 52) Toluene                   | 10.240 | 92   | 56497    | 19.727  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 29959    | 19.086  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 34964    | 19.265  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 19136    | 19.476  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 22109    | 18.199  | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 30296    | 19.009  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 55634    | 104.626 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 44991    | 81.685  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.983 | 129  | 22849    | 20.362  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 18309    | 19.456  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 23214    | 20.432  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 62476    | 19.791  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 23878    | 21.233  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 104657   | 19.718  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 83518    | 40.650  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 37859    | 19.430  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 66763    | 20.115  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 14386    | 20.251  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 102017   | 19.645  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 21284    | 16.022  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 21992    | 18.348  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 28309    | 31.661  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 25527    | 20.319  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.666 | 91   | 128879   | 19.774  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 74597    | 20.150  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 89149    | 21.011  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 7419     | 18.037  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 78845    | 20.444  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 75403    | 20.218  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 87858    | 20.621  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 114202   | 19.987  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 94276    | 20.902  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 52096    | 21.038  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 51794    | 20.120  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 88928    | 20.421  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 20078    | 20.758  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 47141    | 21.164  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 3382     | 17.568  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 25906    | 20.441  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 15438    | 21.570  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 51162    | 18.782  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 23107    | 20.386  | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081222S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 13 02:54:57 2022  
Response via : Initial Calibration

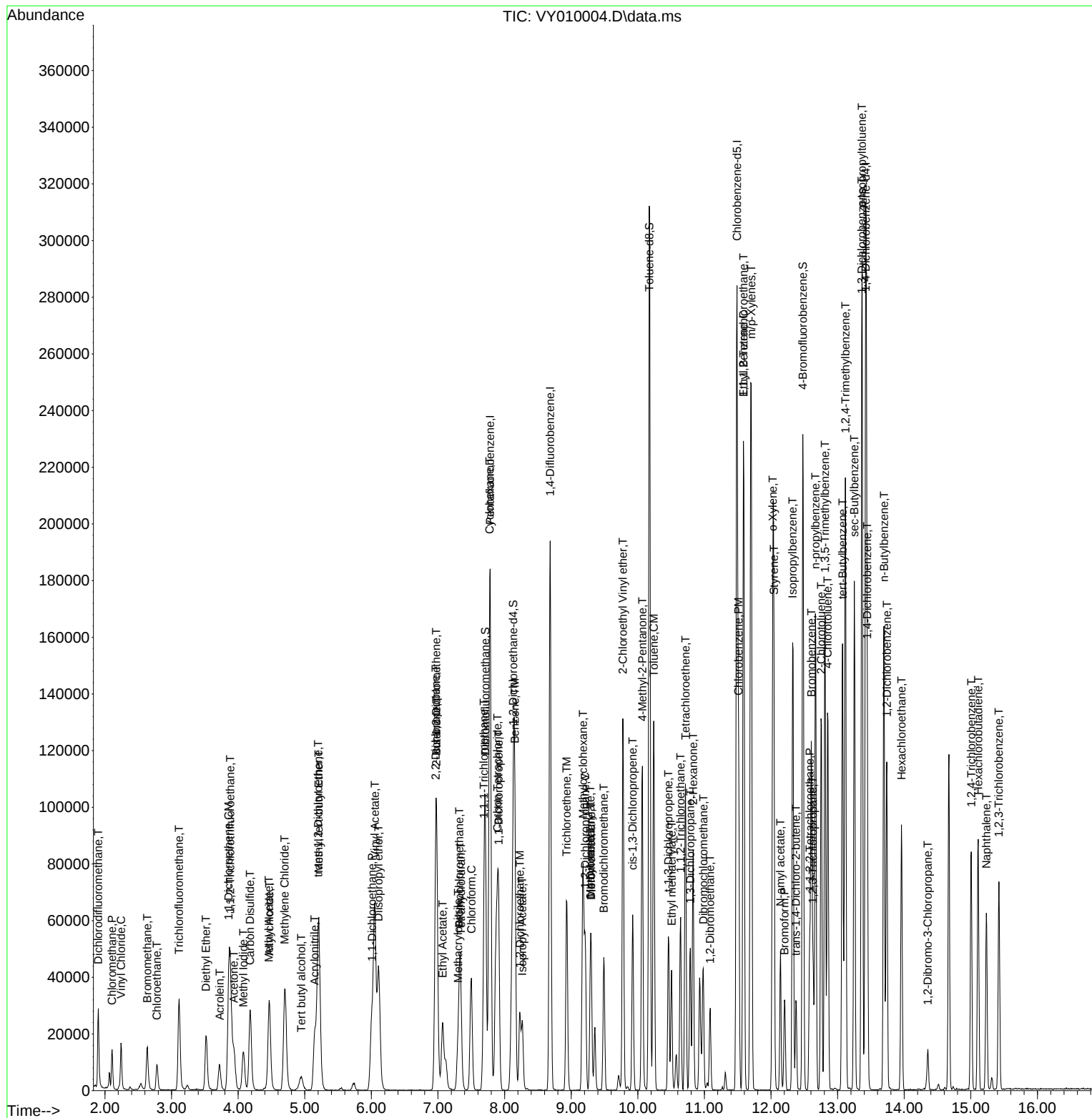
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

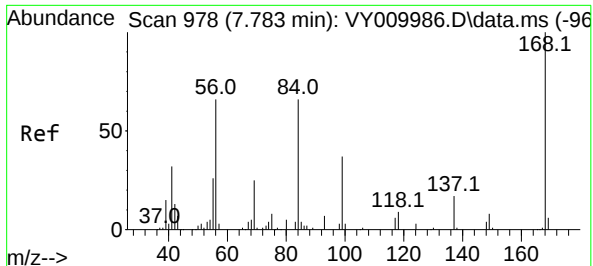
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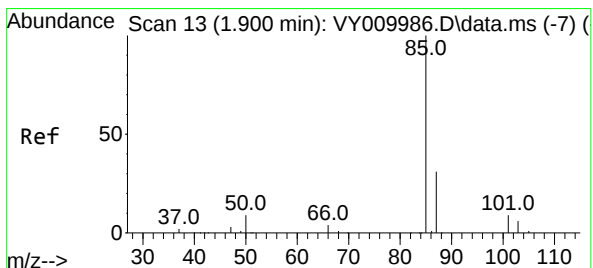
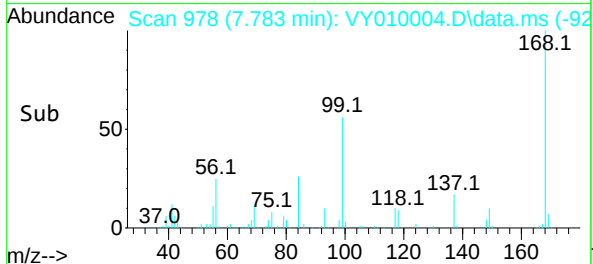
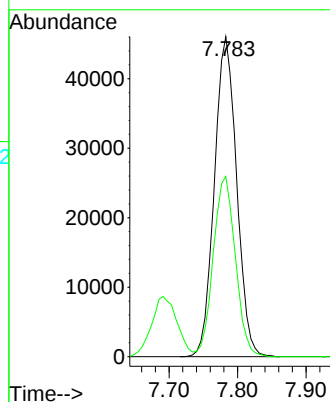
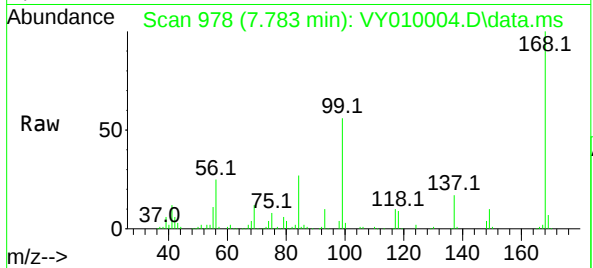




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

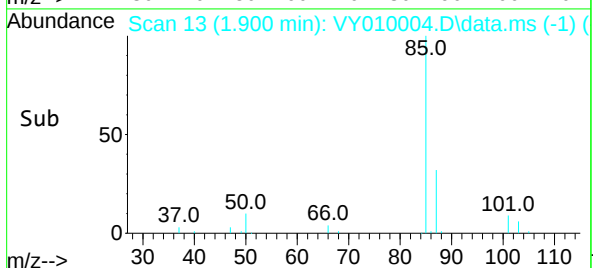
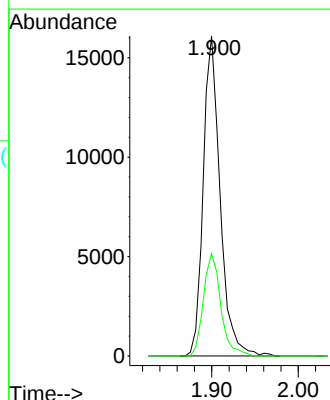
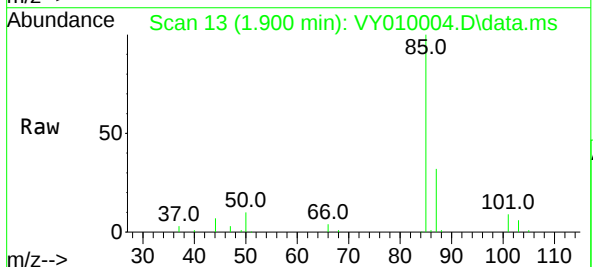
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

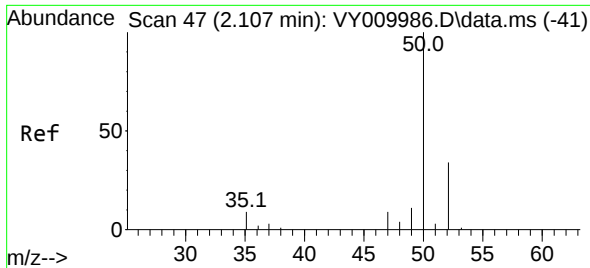
Tgt Ion:168 Resp: 103699  
Ion Ratio Lower Upper  
168 100  
99 56.3 42.1 63.1



#2  
Dichlorodifluoromethane  
Concen: 23.410 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

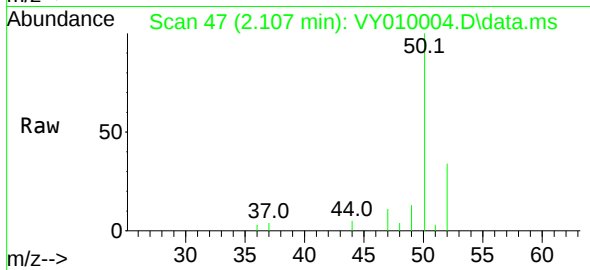
Tgt Ion: 85 Resp: 21793  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.2 48.5



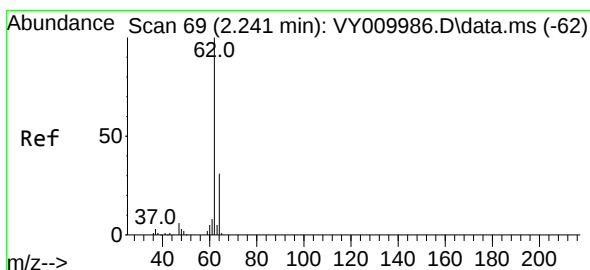
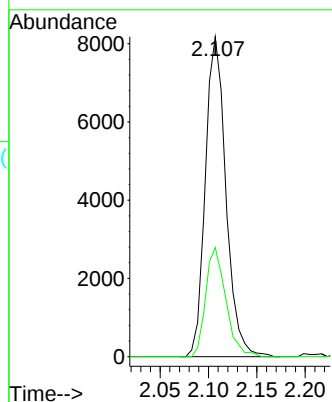
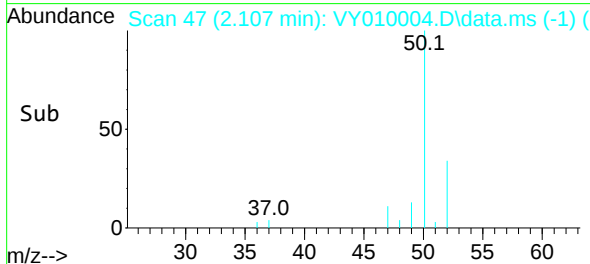


#3  
Chloromethane  
Concen: 17.742 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Instrument :  
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ClientSampleId :  
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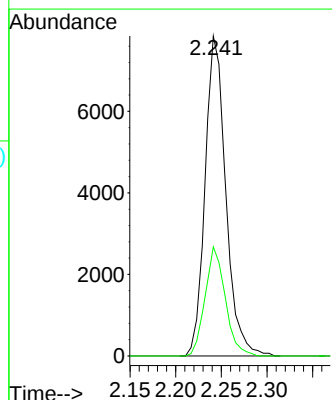
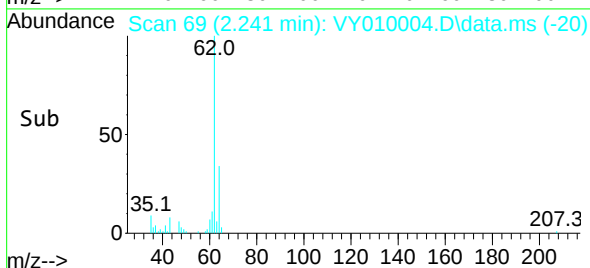
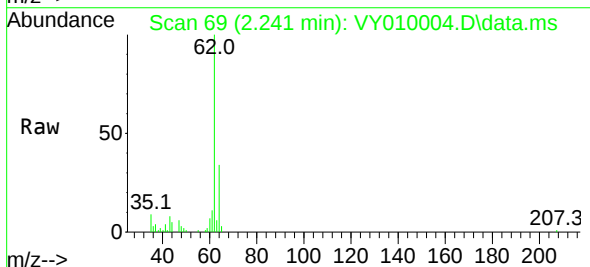


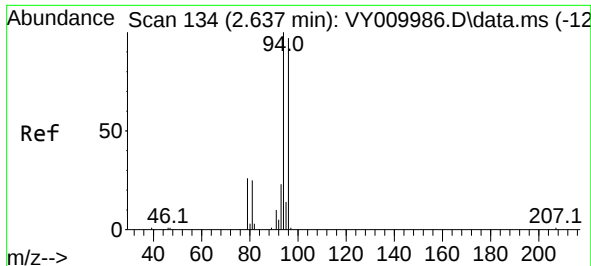
Tgt Ion: 50 Resp: 12132  
Ion Ratio Lower Upper  
50 100  
52 34.1 27.9 41.9



#4  
Vinyl Chloride  
Concen: 17.173 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 62 Resp: 12373  
Ion Ratio Lower Upper  
62 100  
64 34.1 25.0 37.4

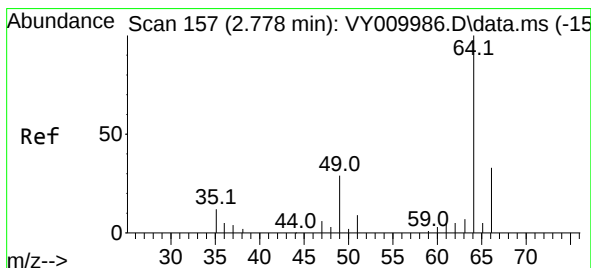
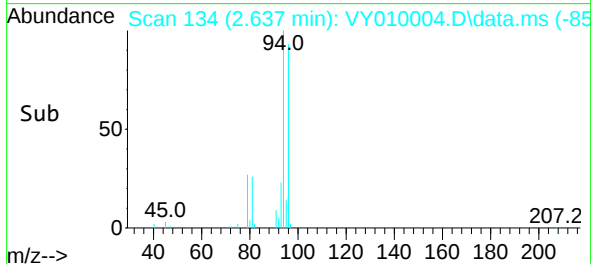
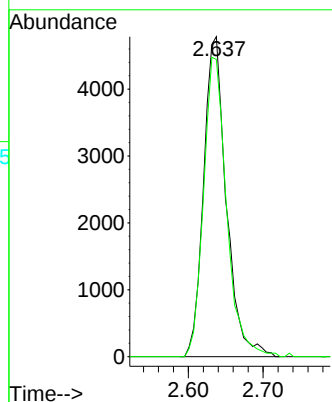
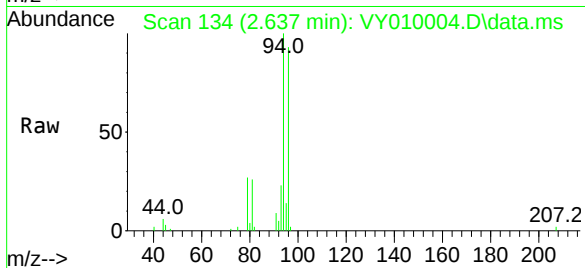




#5  
Bromomethane  
Concen: 18.124 ug/l  
RT: 2.637 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

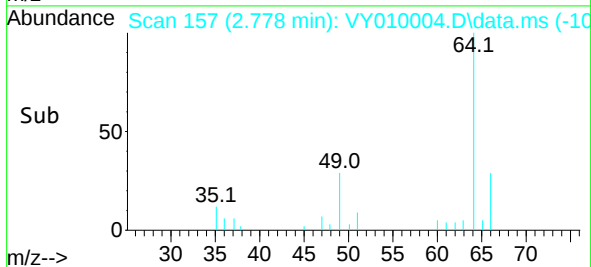
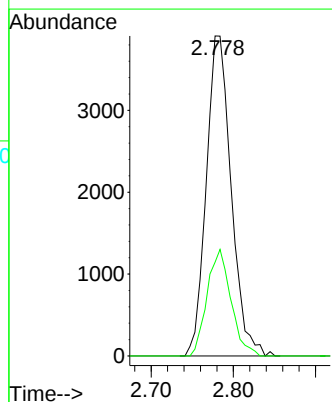
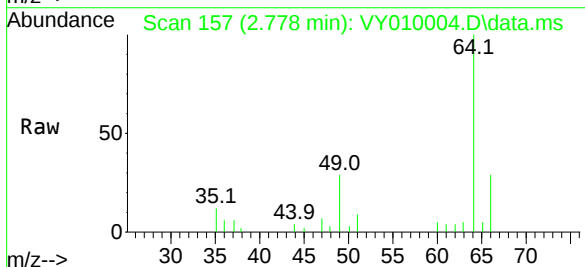
Instrument :  
MSVOA\_Y  
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VY0814SBS01

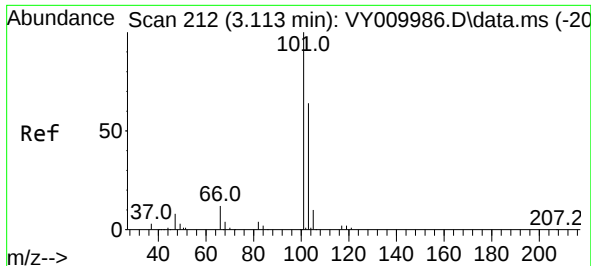
Tgt Ion: 94 Resp: 10085  
Ion Ratio Lower Upper  
94 100  
96 92.9 74.6 111.8



#6  
Chloroethane  
Concen: 17.282 ug/l  
RT: 2.778 min Scan# 157  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 64 Resp: 8232  
Ion Ratio Lower Upper  
64 100  
66 29.3 25.8 38.8

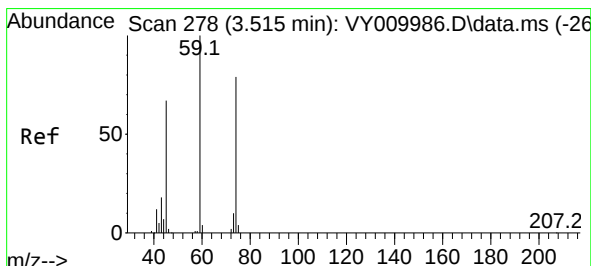
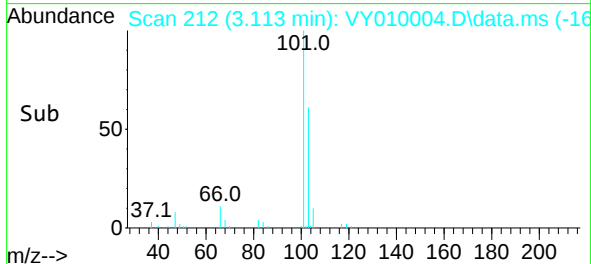
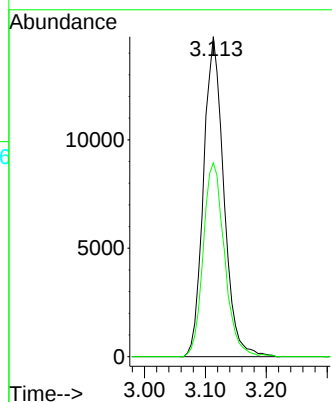
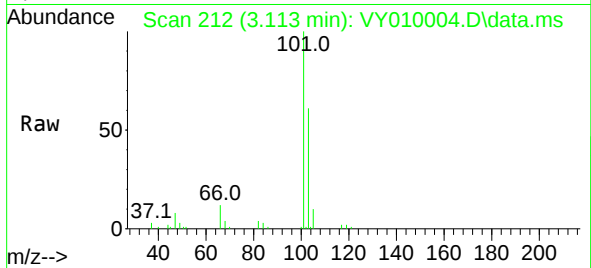




#7  
 Trichlorofluoromethane  
 Concen: 19.113 ug/l  
 RT: 3.113 min Scan# 212  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

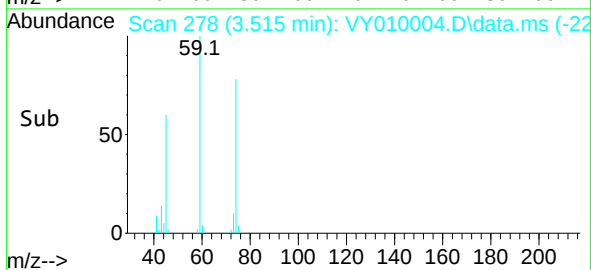
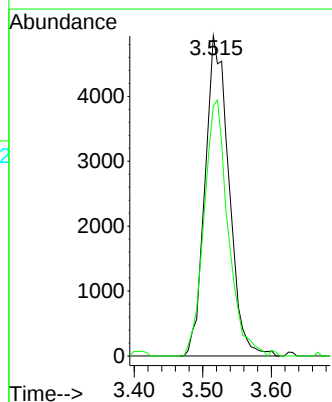
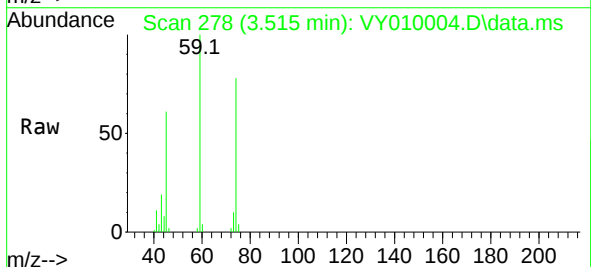
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

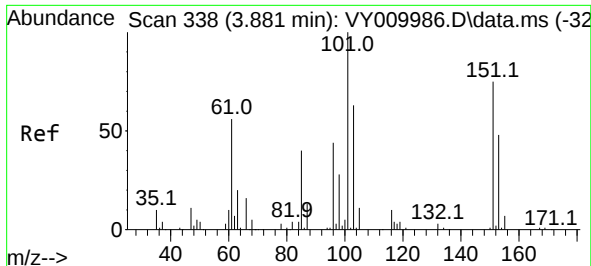
Tgt Ion:101 Resp: 34114  
 Ion Ratio Lower Upper  
 101 100  
 103 60.5 51.4 77.2



#8  
 Diethyl Ether  
 Concen: 17.727 ug/l  
 RT: 3.515 min Scan# 278  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

Tgt Ion: 74 Resp: 11910  
 Ion Ratio Lower Upper  
 74 100  
 45 80.8 49.1 147.4

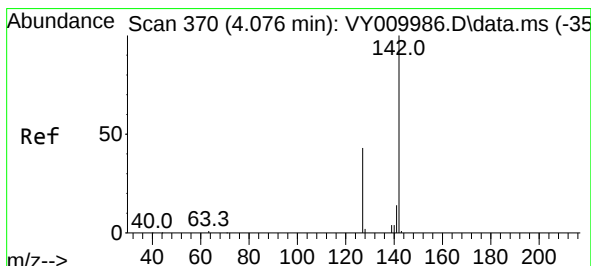
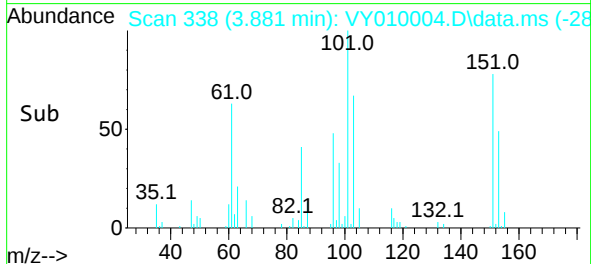
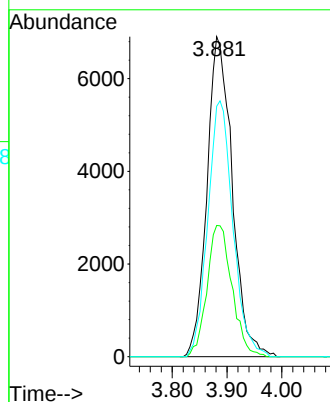
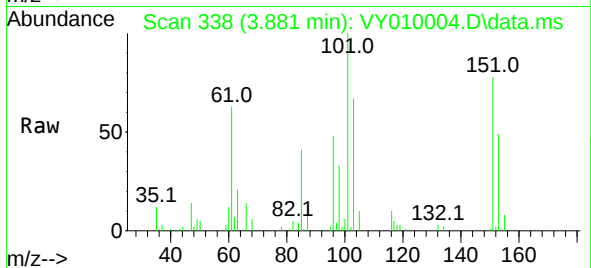




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.250 ug/l  
RT: 3.881 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

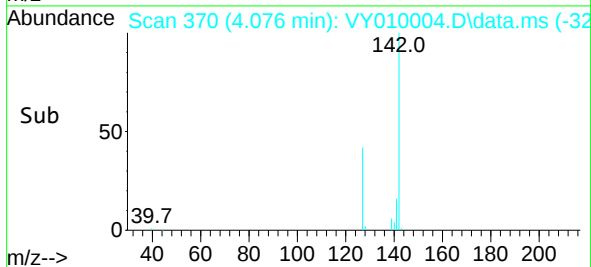
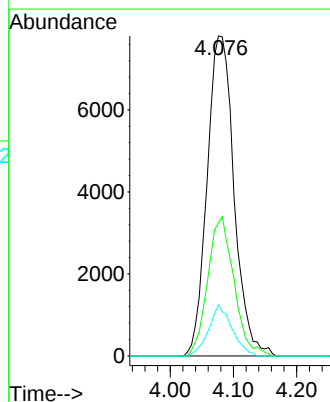
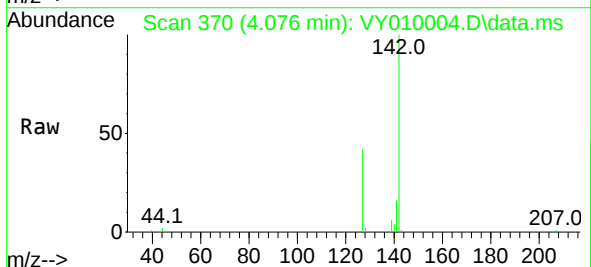
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

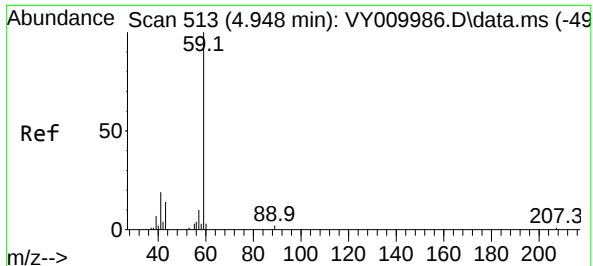
Tgt Ion:101 Resp: 22079  
Ion Ratio Lower Upper  
101 100  
85 40.5 36.2 54.2  
151 79.4 63.6 95.4



#10  
Methyl Iodide  
Concen: 16.825 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion:142 Resp: 23084  
Ion Ratio Lower Upper  
142 100  
127 42.3 35.2 52.8  
141 13.9 11.4 17.2

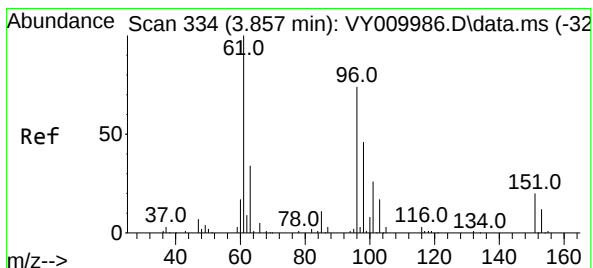
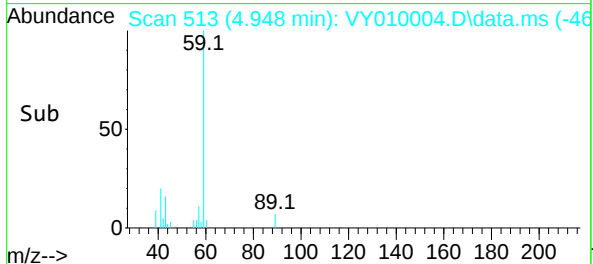
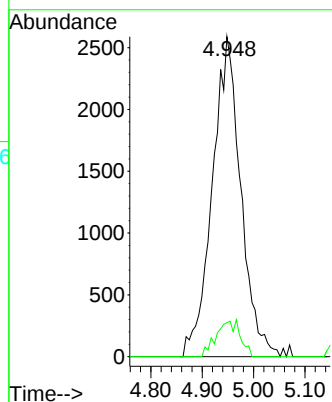
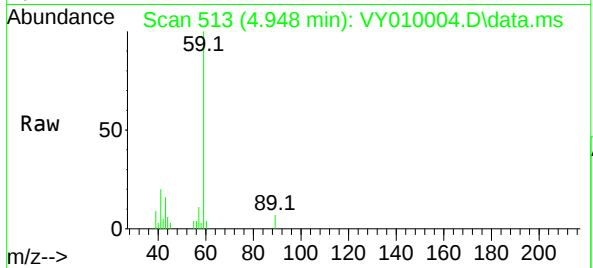




#11  
Tert butyl alcohol  
Concen: 88.042 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

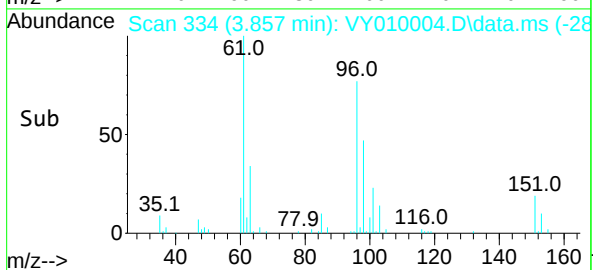
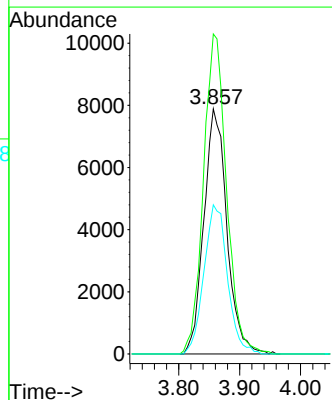
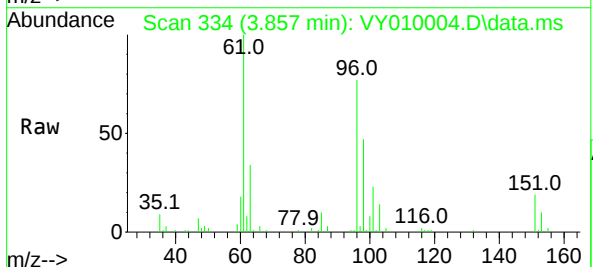
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

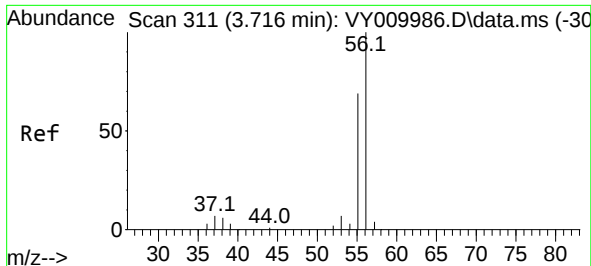
Tgt Ion: 59 Resp: 9974  
Ion Ratio Lower Upper  
59 100  
57 9.5 6.3 9.5#



#12  
1,1-Dichloroethene  
Concen: 18.627 ug/l  
RT: 3.857 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 96 Resp: 20742  
Ion Ratio Lower Upper  
96 100  
61 130.5 121.9 182.9  
98 60.8 48.2 72.4





#13

Acrolein

Concen: 79.068 ug/l

RT: 3.723 min Scan# 311

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

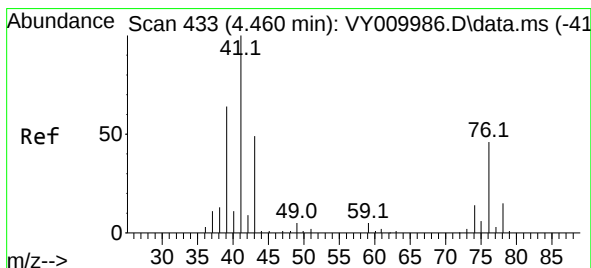
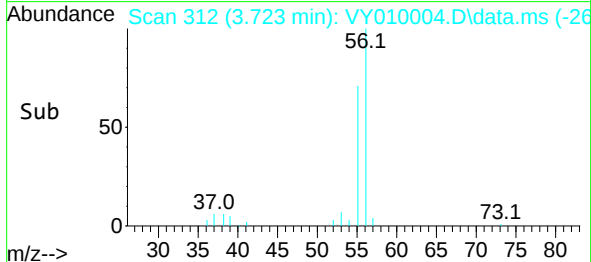
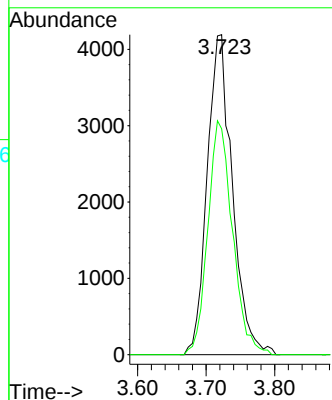
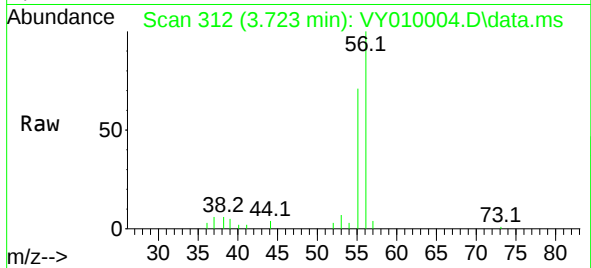
VY0814SBS01

Tgt Ion: 56 Resp: 10702

Ion Ratio Lower Upper

56 100

55 71.7 54.8 82.2



#14

Allyl chloride

Concen: 15.725 ug/l

RT: 4.466 min Scan# 434

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

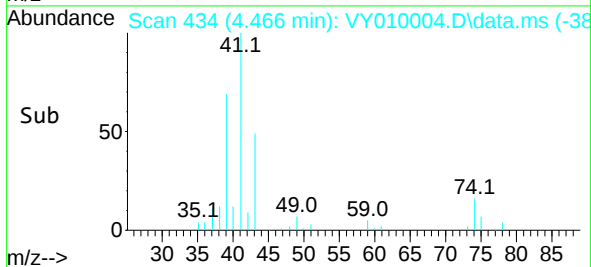
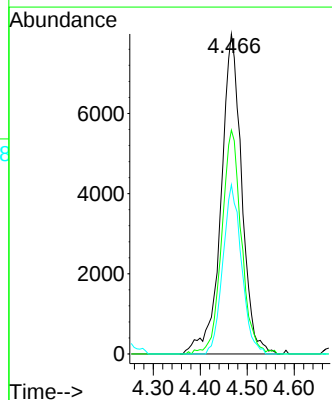
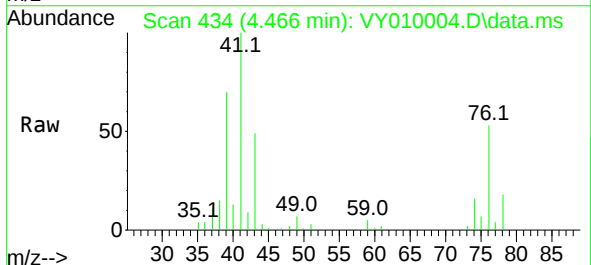
Tgt Ion: 41 Resp: 24414

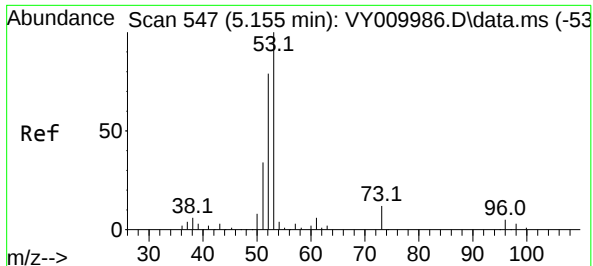
Ion Ratio Lower Upper

41 100

39 66.7 53.5 80.3

76 47.8 29.4 44.0#





#15

Acrylonitrile

Concen: 85.276 ug/l

RT: 5.149 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

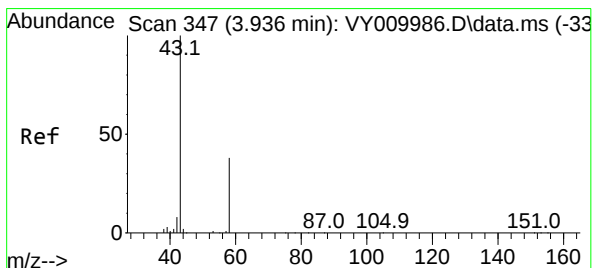
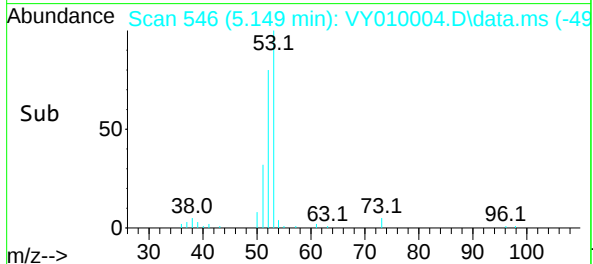
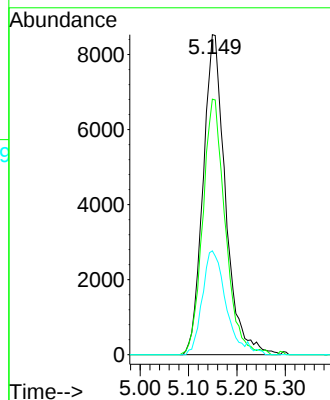
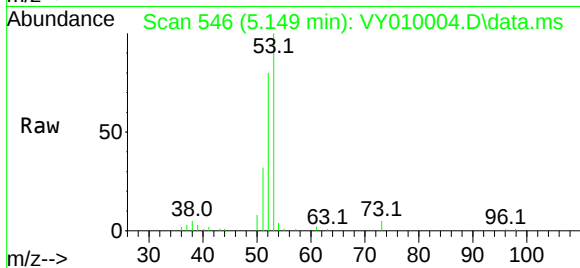
Tgt Ion: 53 Resp: 27423

Ion Ratio Lower Upper

53 100

52 80.3 65.4 98.2

51 34.6 28.4 42.6



#16

Acetone

Concen: 83.894 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY010004.D

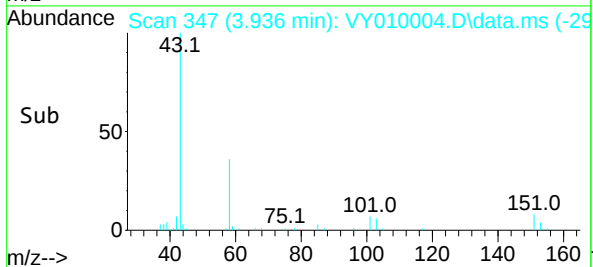
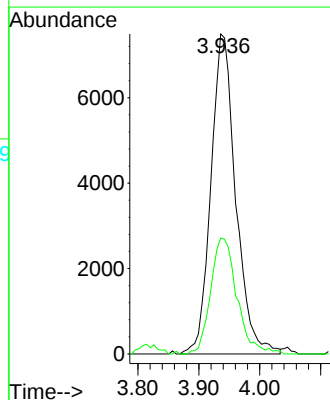
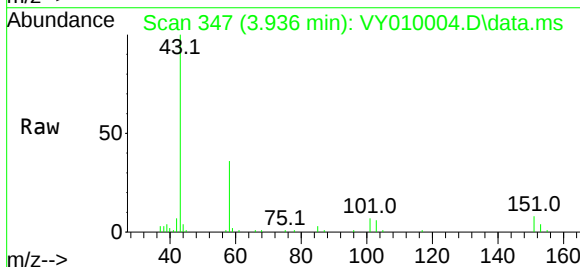
Acq: 14 Aug 2022 17:52

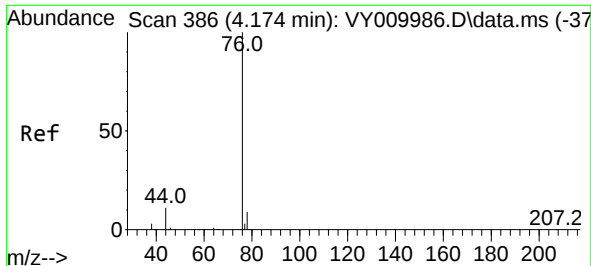
Tgt Ion: 43 Resp: 21195

Ion Ratio Lower Upper

43 100

58 36.2 24.0 36.0#

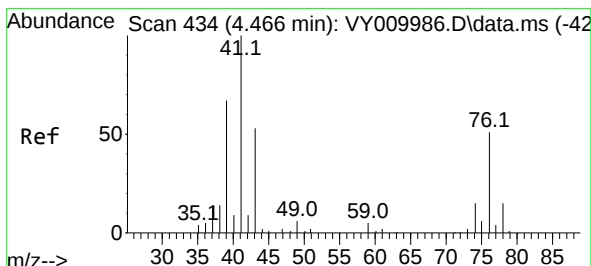
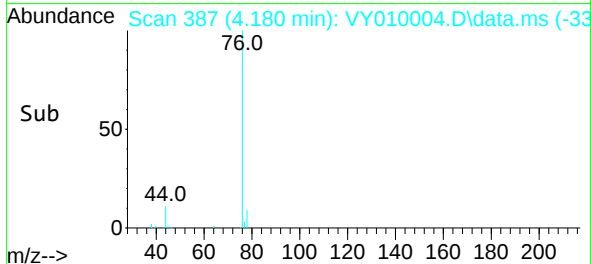
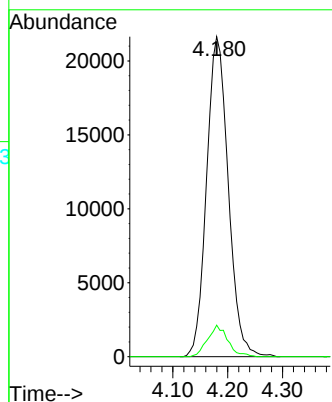
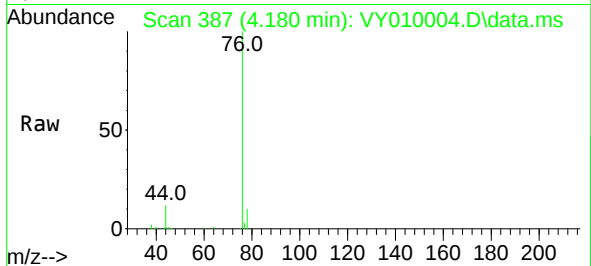




#17  
Carbon Disulfide  
Concen: 16.390 ug/l  
RT: 4.180 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

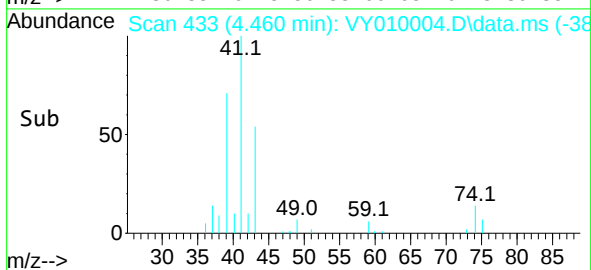
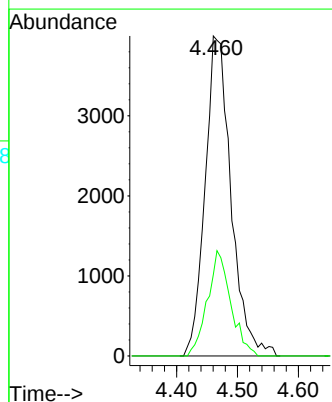
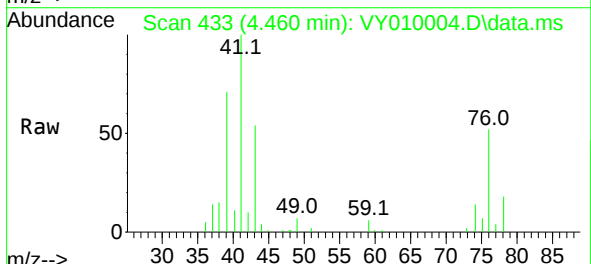
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

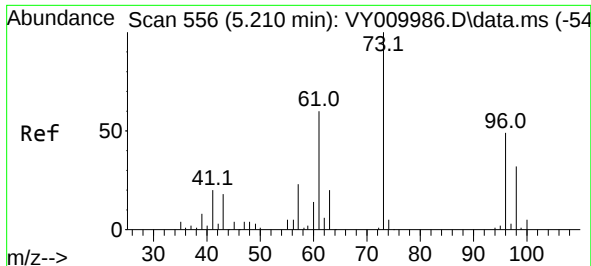
Tgt Ion: 76 Resp: 59399  
Ion Ratio Lower Upper  
76 100  
78 9.8 6.8 10.2



#18  
Methyl Acetate  
Concen: 15.023 ug/l  
RT: 4.460 min Scan# 433  
Delta R.T. -0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 43 Resp: 11849  
Ion Ratio Lower Upper  
43 100  
74 29.4 18.8 28.2#





#19

Methyl tert-butyl Ether

Concen: 18.460 ug/l

RT: 5.210 min Scan# 5

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

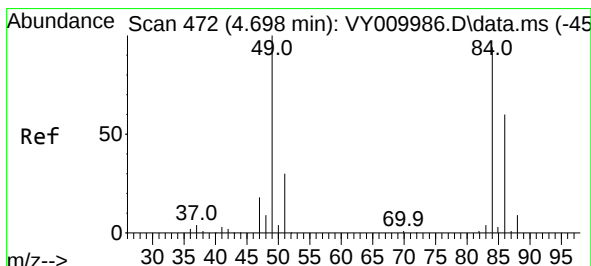
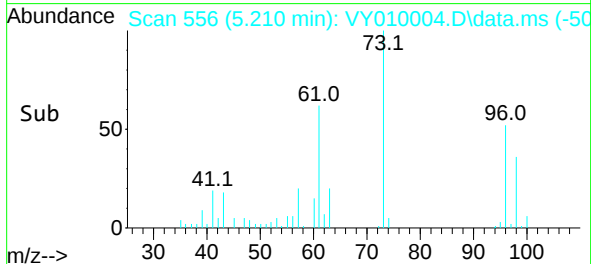
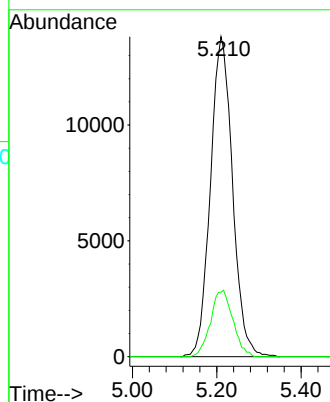
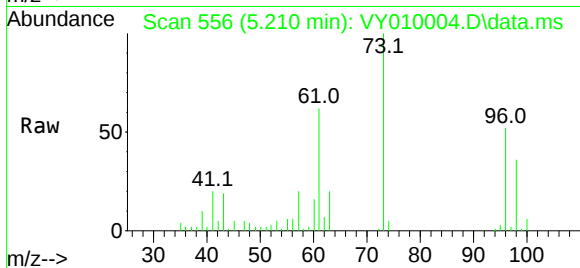
VY0814SBS01

Tgt Ion: 73 Resp: 50231

Ion Ratio Lower Upper

73 100

57 20.1 18.5 27.7



#20

Methylene Chloride

Concen: 20.122 ug/l

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Tgt Ion: 84 Resp: 31277

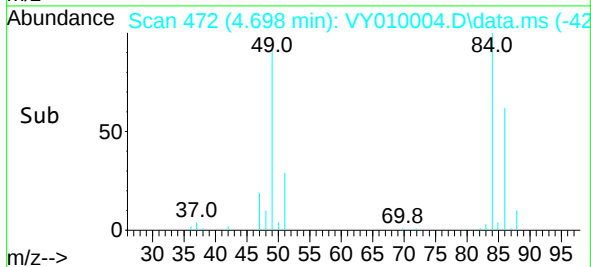
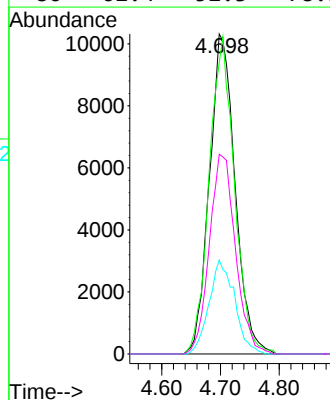
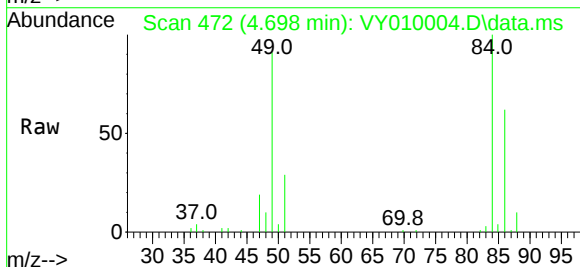
Ion Ratio Lower Upper

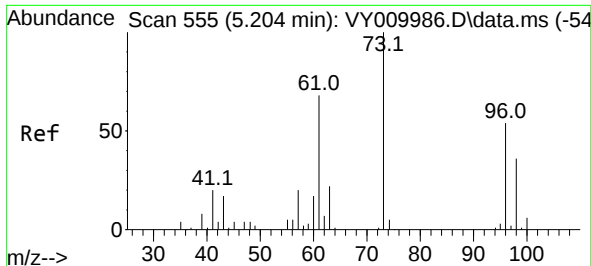
84 100

49 91.1 98.2 147.4#

51 29.4 33.4 50.0#

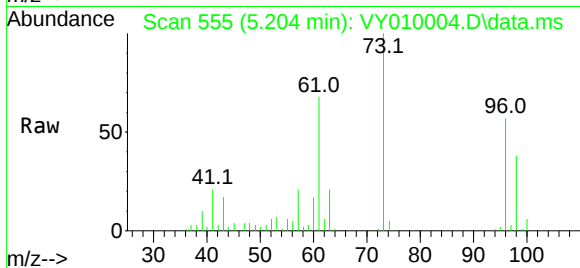
86 62.4 52.3 78.5





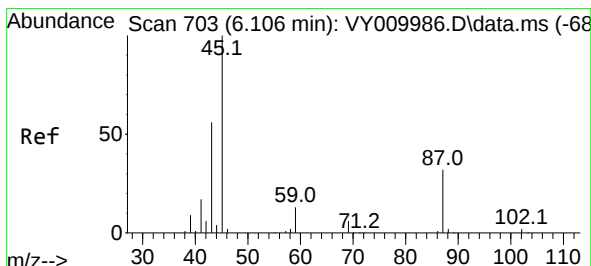
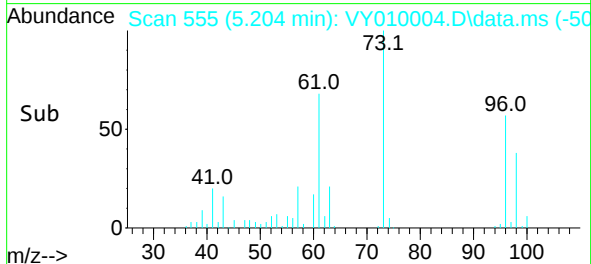
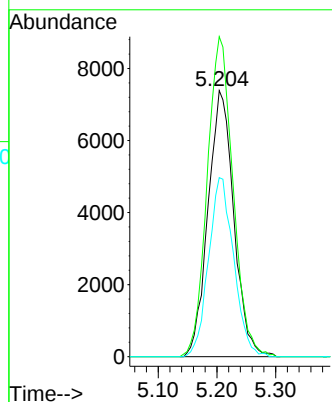
#21  
trans-1,2-Dichloroethene  
Concen: 18.160 ug/l  
RT: 5.204 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01



Tgt Ion: 96 Resp: 22474

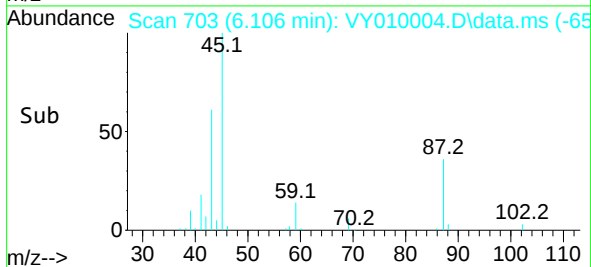
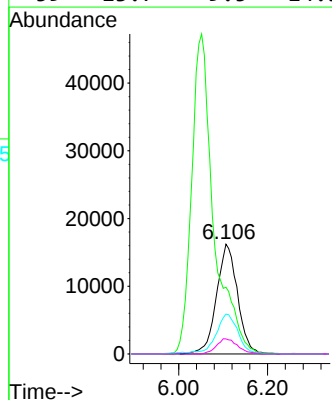
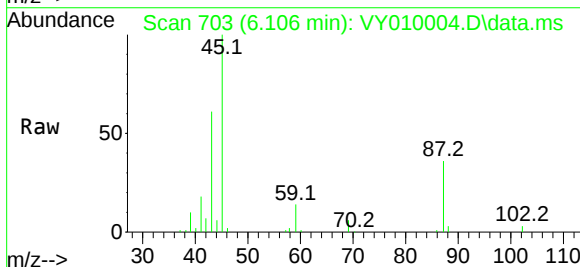
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.3 | 105.8 | 158.6 |
| 98  | 67.3  | 49.7  | 74.5  |

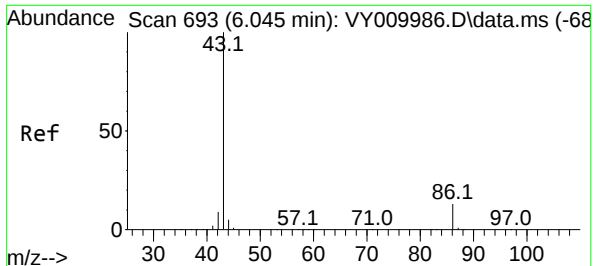


#22  
Diisopropyl ether  
Concen: 16.892 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 45 Resp: 53019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 60.5  | 43.7  | 65.5  |
| 87  | 36.4  | 22.2  | 33.4# |
| 59  | 13.7  | 9.5   | 14.3  |

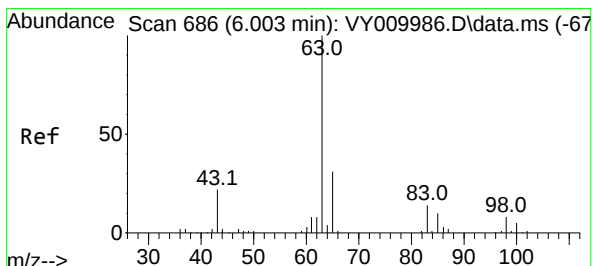
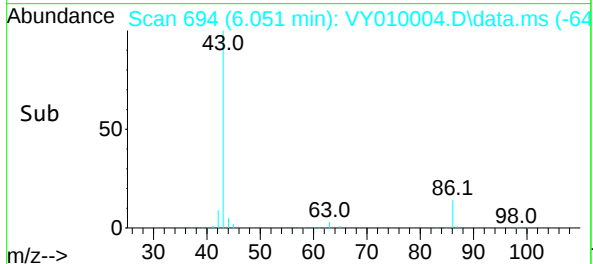
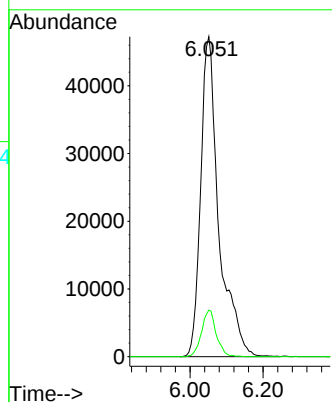
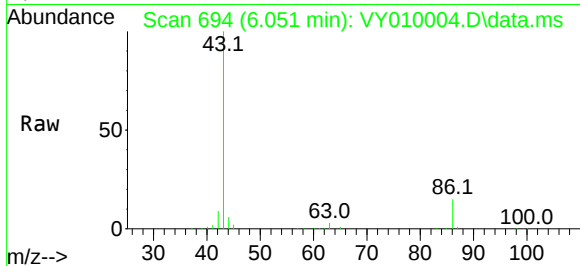




#23  
 Vinyl Acetate  
 Concen: 83.969 ug/l  
 RT: 6.051 min Scan# 694  
 Delta R.T. 0.006 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

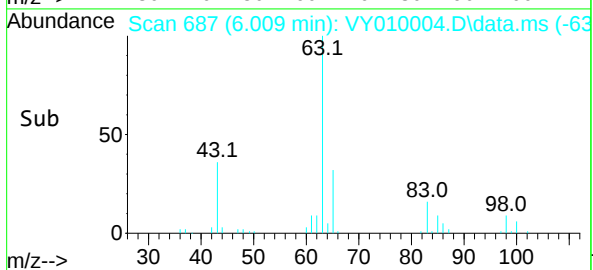
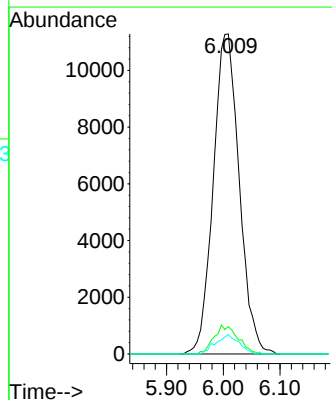
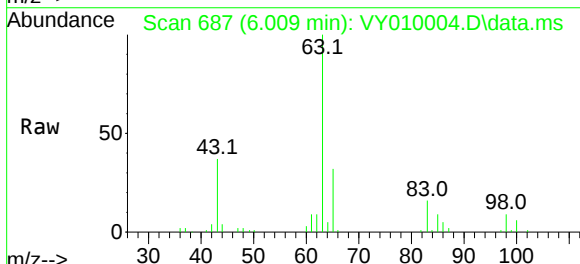
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

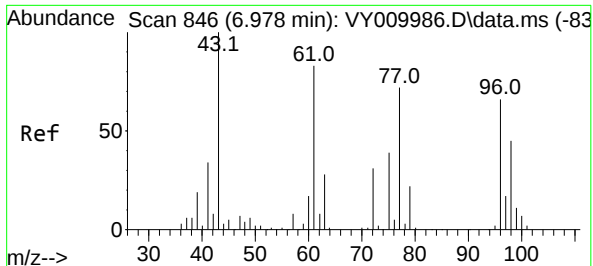
Tgt Ion: 43 Resp: 162850  
 Ion Ratio Lower Upper  
 43 100  
 86 14.5 9.0 13.6#



#24  
 1,1-Dichloroethane  
 Concen: 17.897 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. 0.006 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

Tgt Ion: 63 Resp: 35846  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 3.9 11.7  
 100 6.1 2.8 8.3





#25

2-Butanone

Concen: 80.663 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

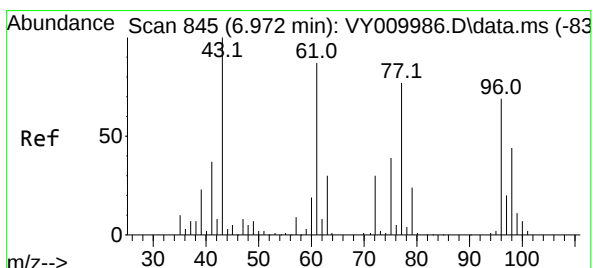
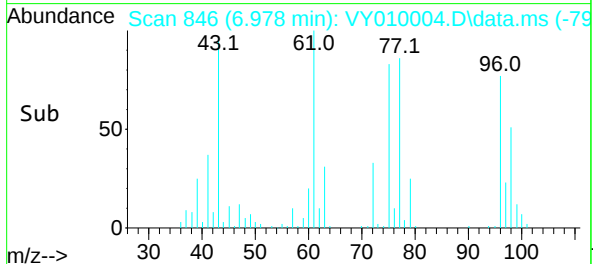
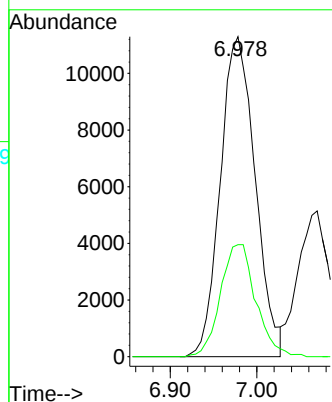
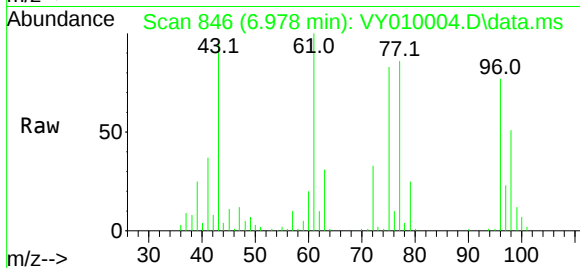
VY0814SBS01

Tgt Ion: 43 Resp: 31622

Ion Ratio Lower Upper

43 100

72 35.0 21.5 32.3#



#26

2,2-Dichloropropane

Concen: 18.951 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010004.D

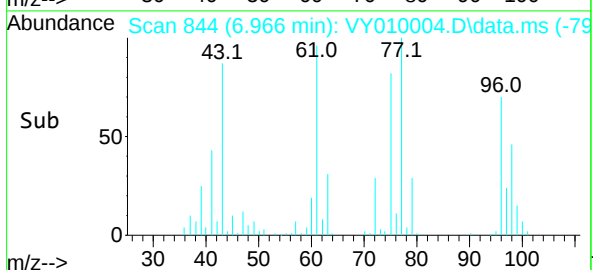
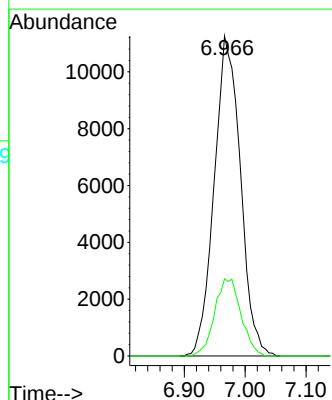
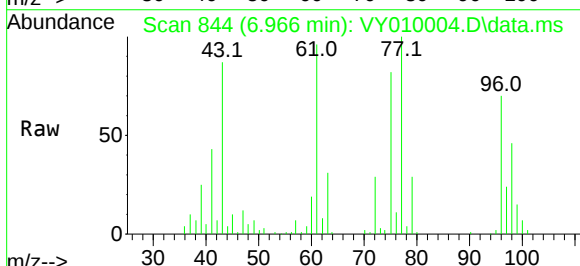
Acq: 14 Aug 2022 17:52

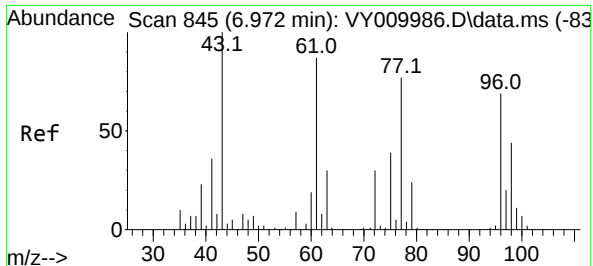
Tgt Ion: 77 Resp: 33643

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.938 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

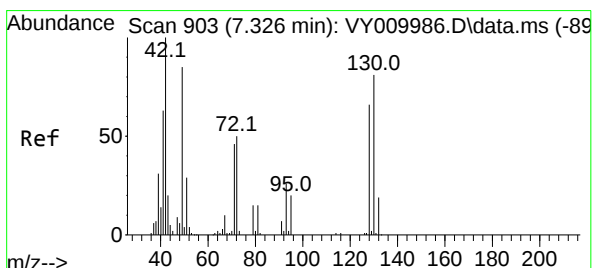
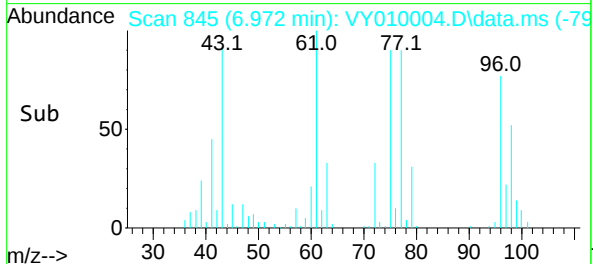
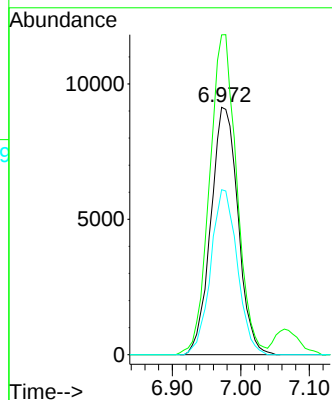
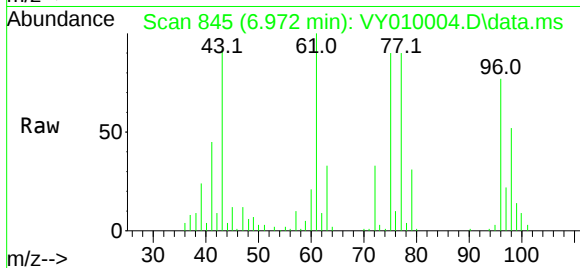
Tgt Ion: 96 Resp: 25176

Ion Ratio Lower Upper

96 100

61 129.4 0.0 285.6

98 65.2 0.0 131.0



#28

Bromochloromethane

Concen: 15.748 ug/l

RT: 7.320 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

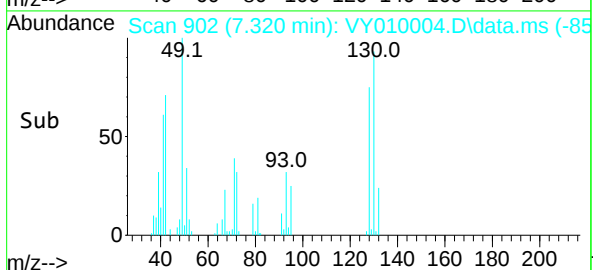
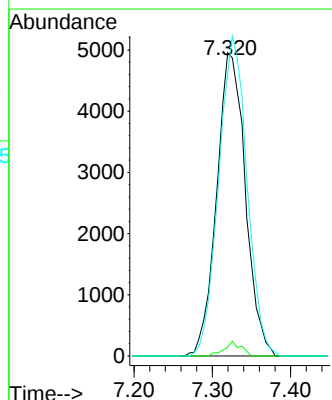
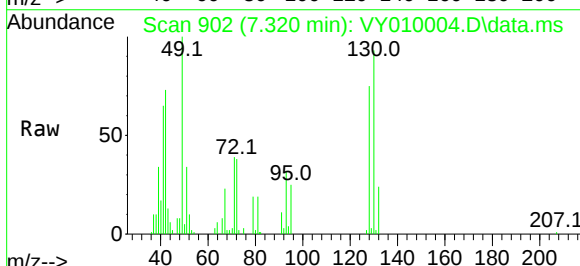
Tgt Ion: 49 Resp: 12598

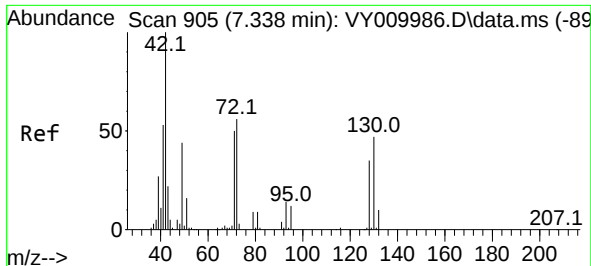
Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.6

130 104.4 64.1 96.1#





#29

Tetrahydrofuran

Concen: 78.016 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

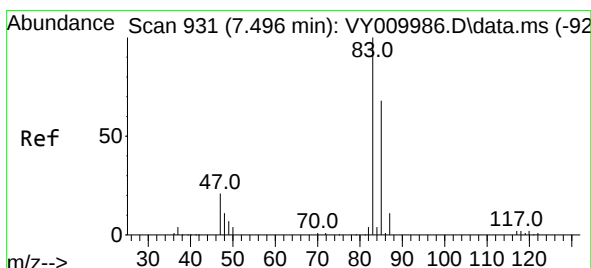
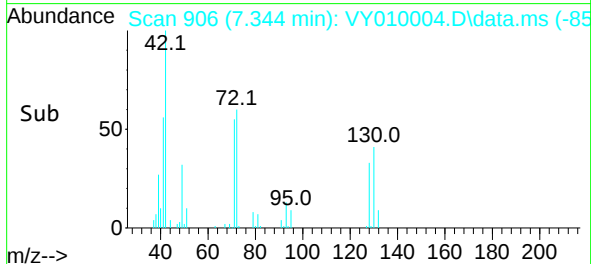
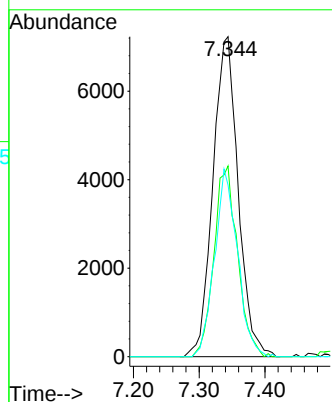
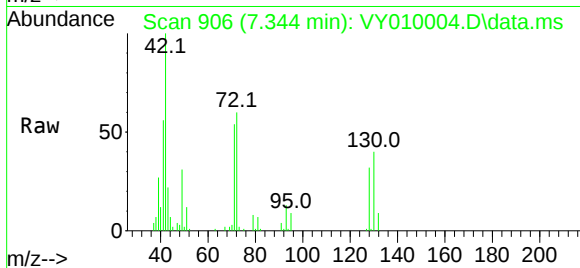
Tgt Ion: 42 Resp: 19329

Ion Ratio Lower Upper

42 100

72 55.8 34.6 52.0#

71 53.3 32.7 49.1#



#30

Chloroform

Concen: 19.472 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.006 min

Lab File: VY010004.D

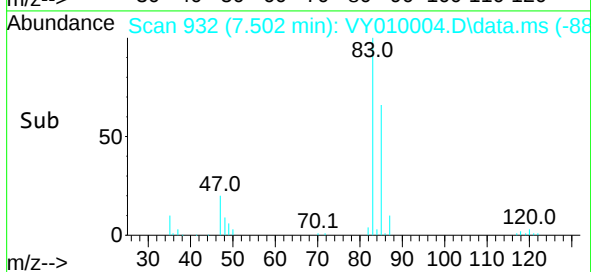
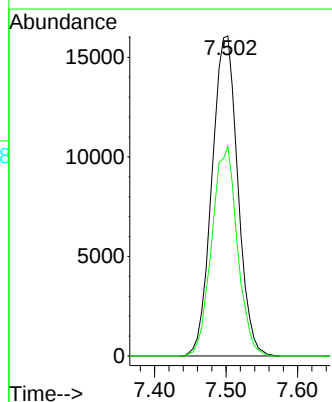
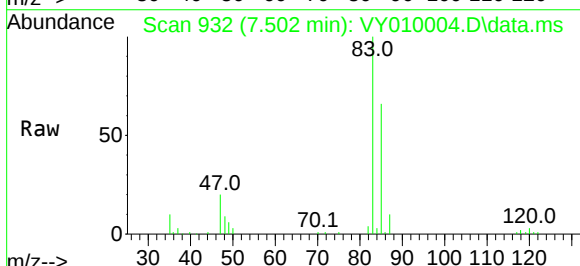
Acq: 14 Aug 2022 17:52

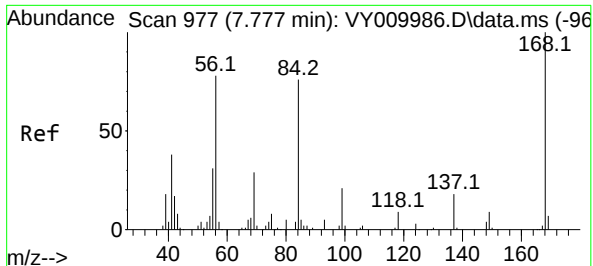
Tgt Ion: 83 Resp: 40328

Ion Ratio Lower Upper

83 100

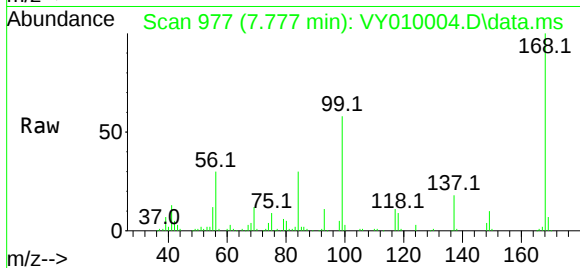
85 65.5 50.5 75.7



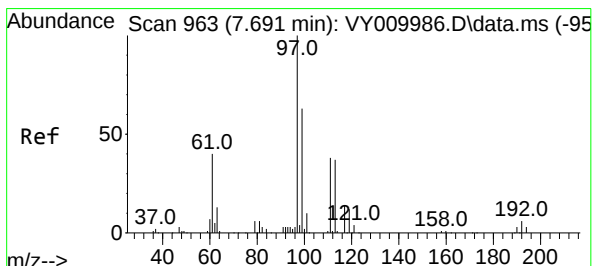
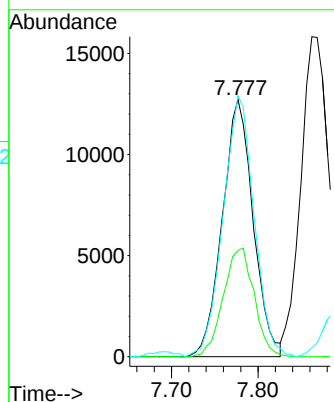
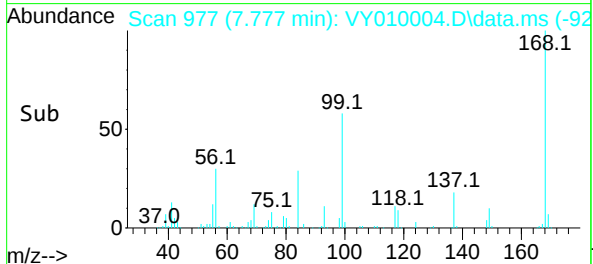


#31  
Cyclohexane  
Concen: 16.691 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

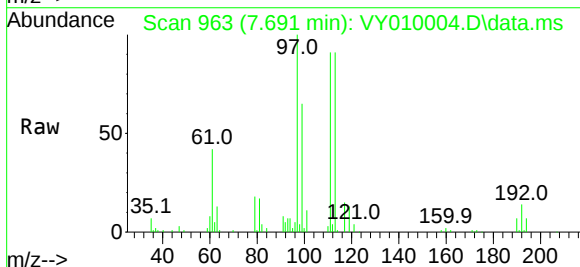
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01



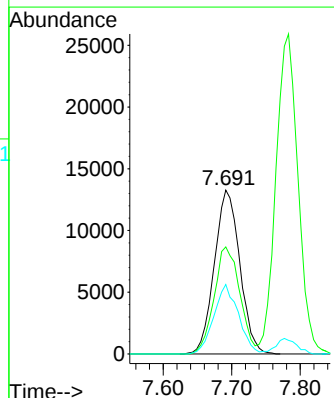
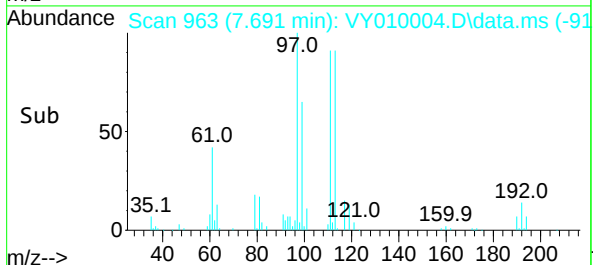
Tgt Ion: 56 Resp: 31428  
Ion Ratio Lower Upper  
56 100  
69 41.3 26.0 39.0#  
84 100.1 69.5 104.3

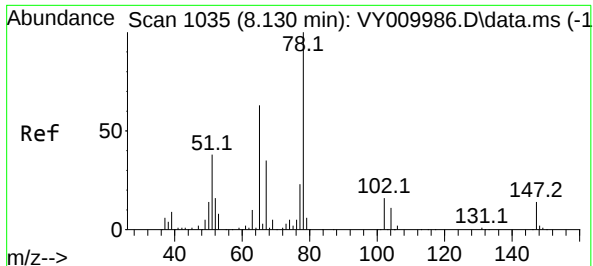


#32  
1,1,1-Trichloroethane  
Concen: 19.416 ug/l  
RT: 7.691 min Scan# 963  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52



Tgt Ion: 97 Resp: 34170  
Ion Ratio Lower Upper  
97 100  
99 65.9 51.8 77.8  
61 41.2 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 50.153 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

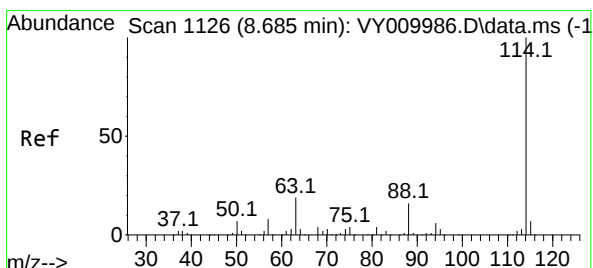
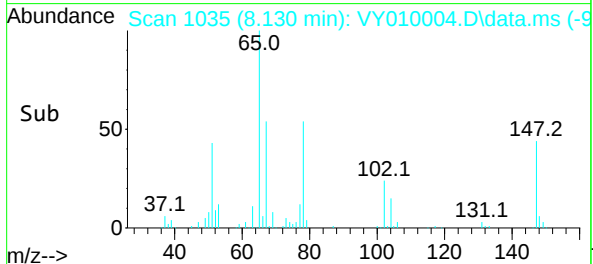
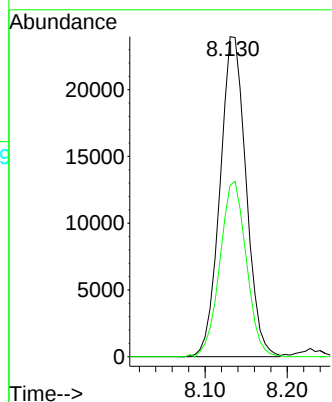
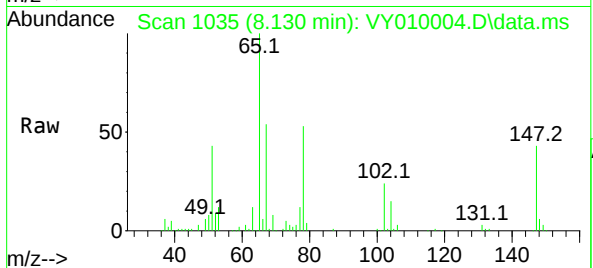
VY0814SBS01

Tgt Ion: 65 Resp: 52757

Ion Ratio Lower Upper

65 100

67 55.6 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

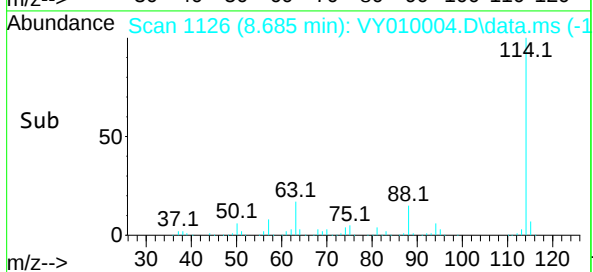
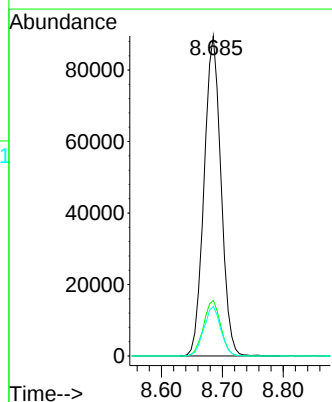
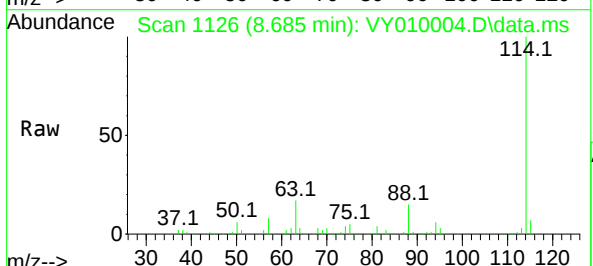
Tgt Ion: 114 Resp: 172434

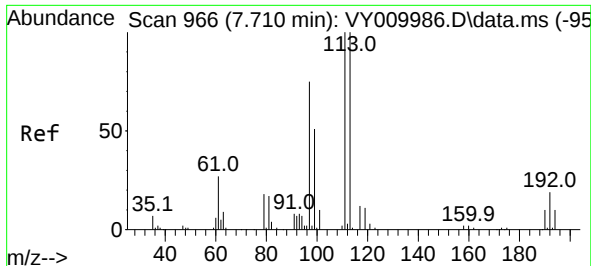
Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.0

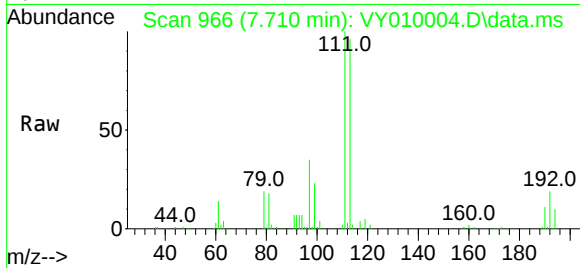
88 15.5 0.0 30.0



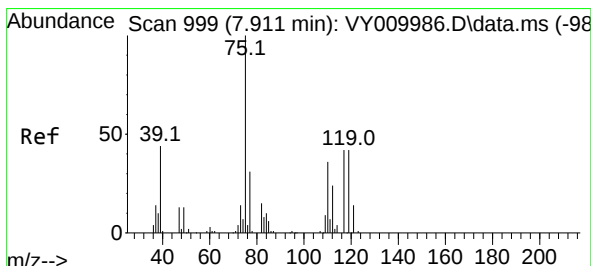
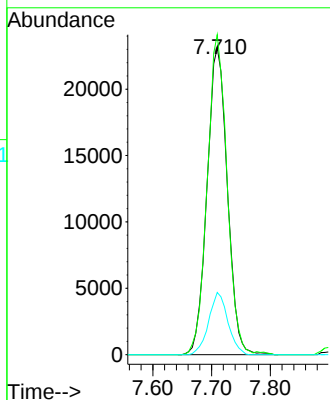
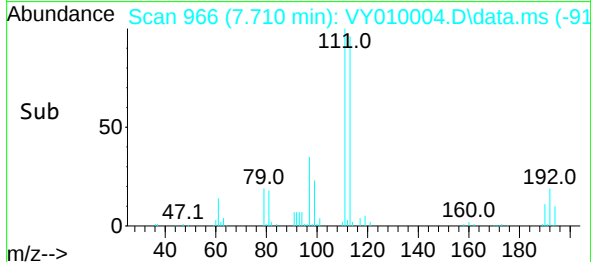


#35  
 Dibromofluoromethane  
 Concen: 52.731 ug/l  
 RT: 7.710 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

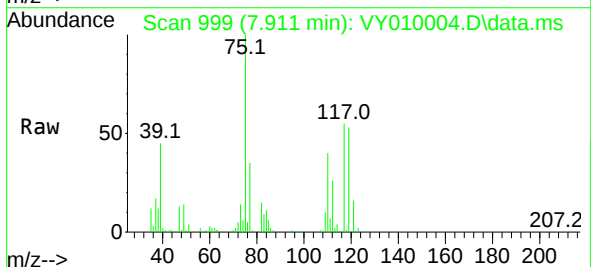
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01



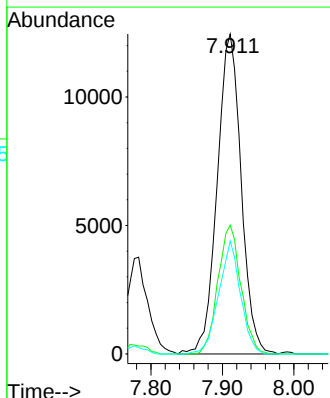
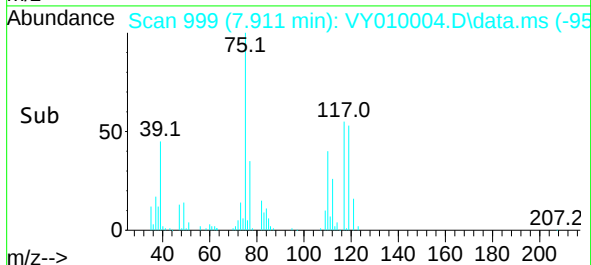
Tgt Ion:113 Resp: 55651  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 80.6 120.8  
 192 19.2 16.2 24.4

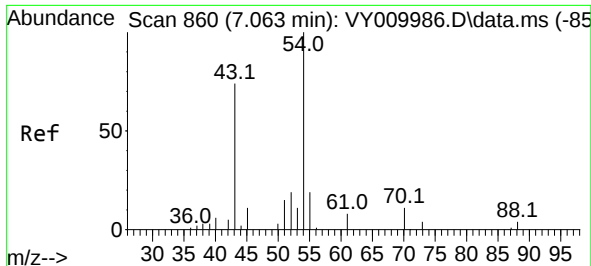


#36  
 1,1-Dichloropropene  
 Concen: 18.448 ug/l  
 RT: 7.911 min Scan# 999  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52



Tgt Ion: 75 Resp: 28992  
 Ion Ratio Lower Upper  
 75 100  
 110 38.4 18.6 56.0  
 77 32.0 25.0 37.4





#37

Ethyl Acetate

Concen: 16.446 ug/l

RT: 7.070 min Scan# 861

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

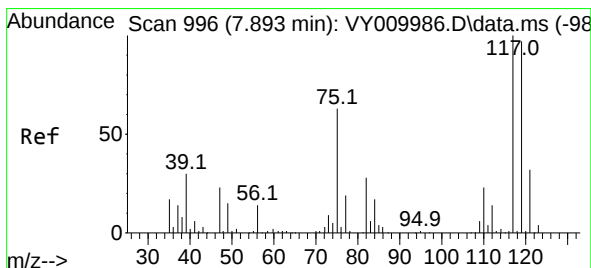
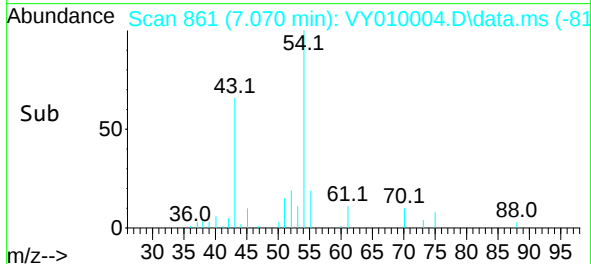
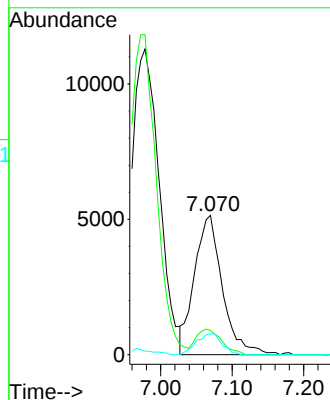
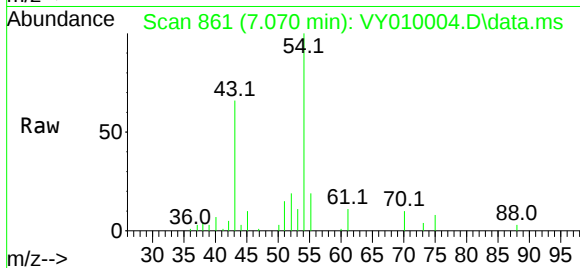
Tgt Ion: 43 Resp: 13949

Ion Ratio Lower Upper

43 100

61 16.7 11.2 16.8

70 13.8 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 20.945 ug/l

RT: 7.893 min Scan# 996

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

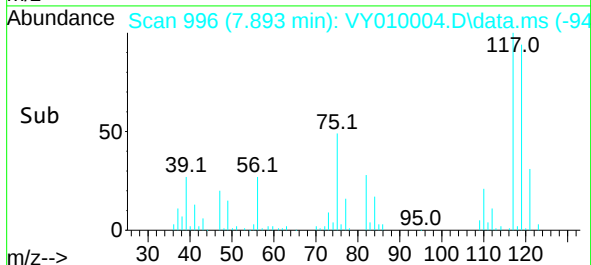
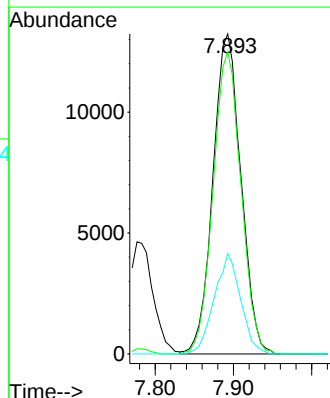
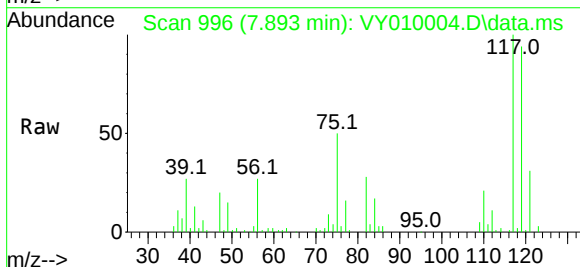
Tgt Ion:117 Resp: 32849

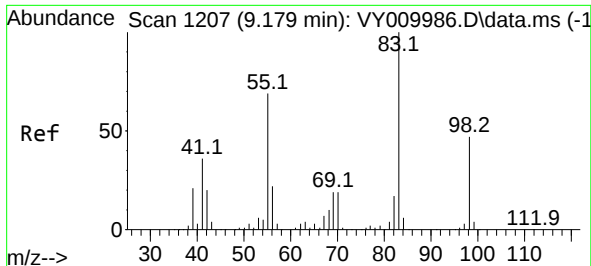
Ion Ratio Lower Upper

117 100

119 94.4 75.9 113.9

121 31.3 24.9 37.3





#39

Methylcyclohexane

Concen: 17.931 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

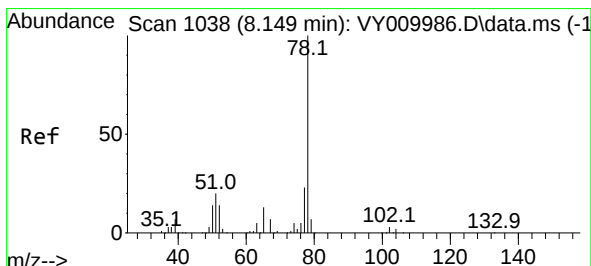
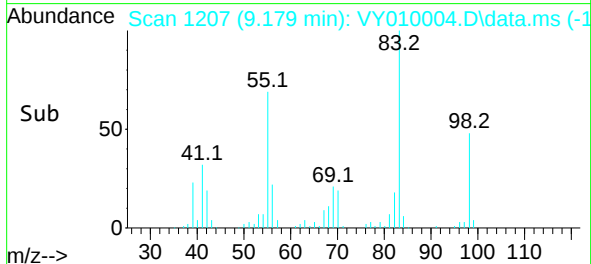
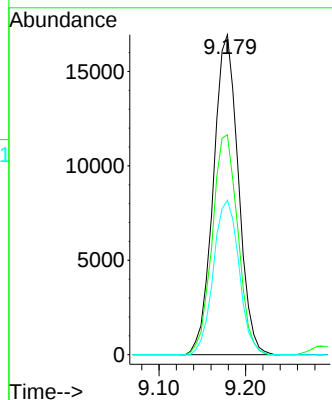
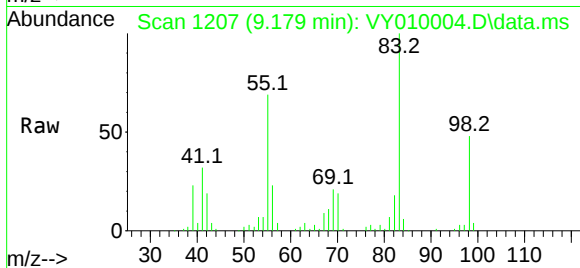
Tgt Ion: 83 Resp: 33930

Ion Ratio Lower Upper

83 100

55 68.7 56.7 85.1

98 48.3 39.9 59.9



#40

Benzene

Concen: 18.804 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY010004.D

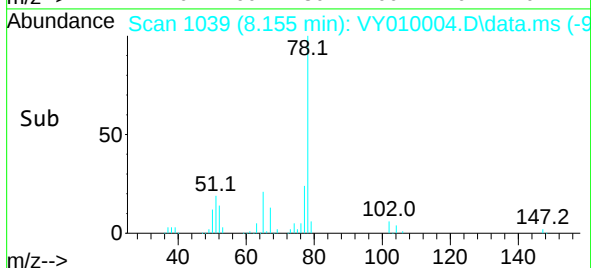
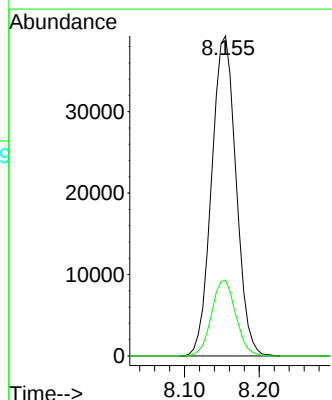
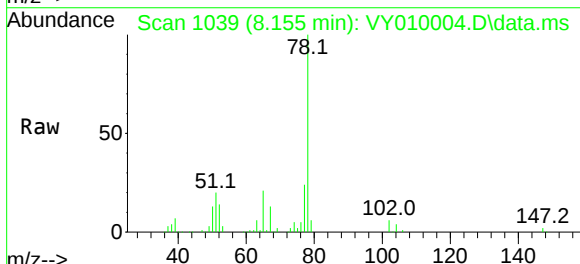
Acq: 14 Aug 2022 17:52

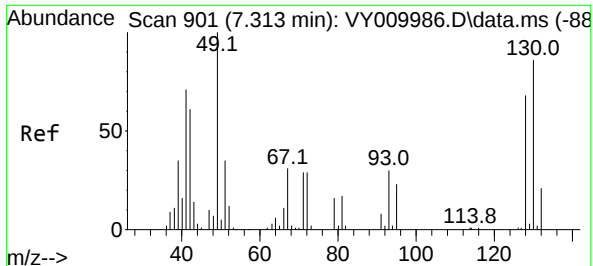
Tgt Ion: 78 Resp: 89426

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0

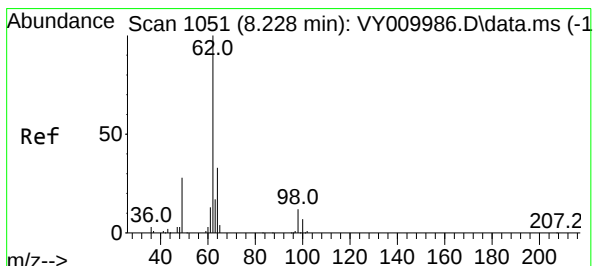
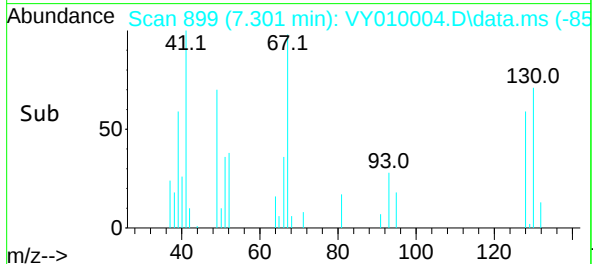
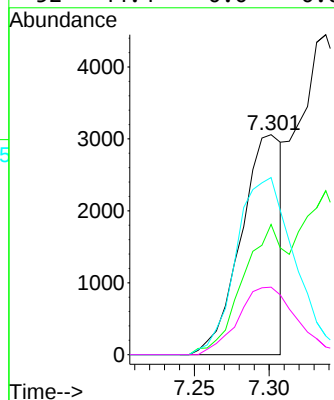
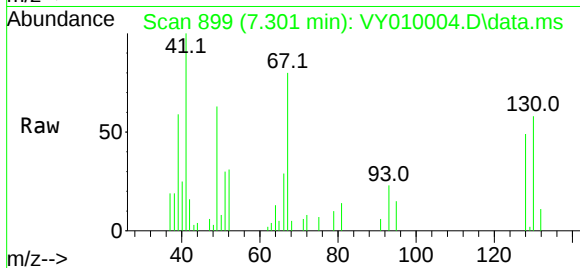




#41  
Methacrylonitrile  
Concen: 12.928 ug/l  
RT: 7.301 min Scan# 899  
Delta R.T. -0.012 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

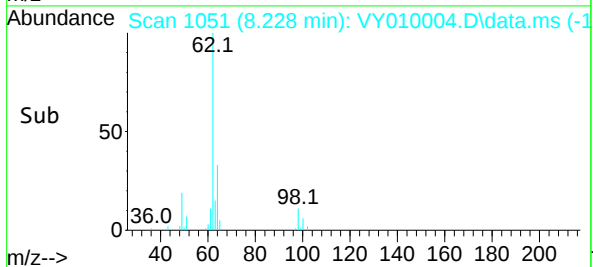
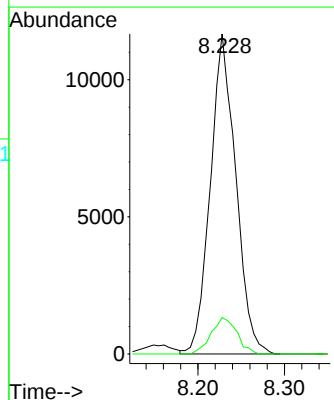
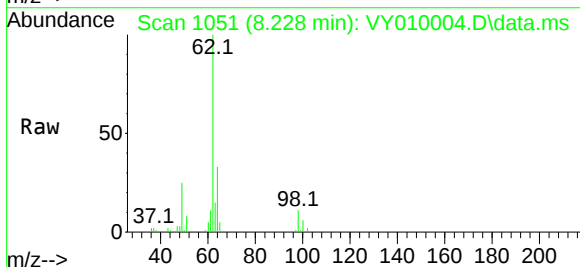
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

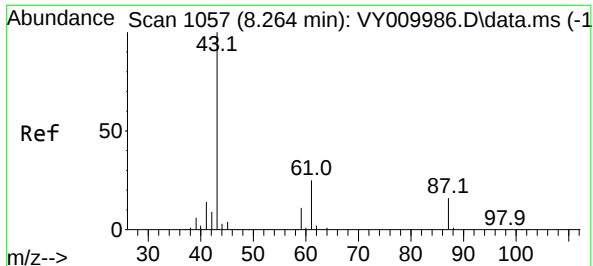
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 5824  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 64.3  | 0.0   | 0.0#  |
| 67       | 115.4 | 0.0   | 0.0#  |
| 52       | 44.4  | 0.0   | 0.0#  |



#42  
1,2-Dichloroethane  
Concen: 19.326 ug/l  
RT: 8.228 min Scan# 1051  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 23809 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.5  | 0.0   | 20.6  |





#43

Isopropyl Acetate

Concen: 16.596 ug/l

RT: 8.264 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

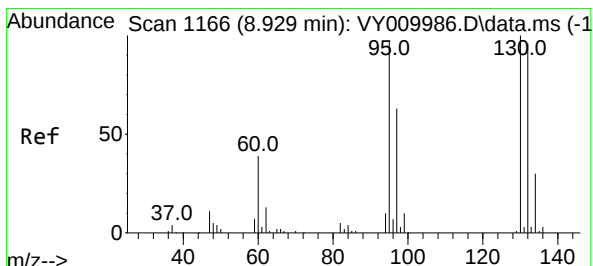
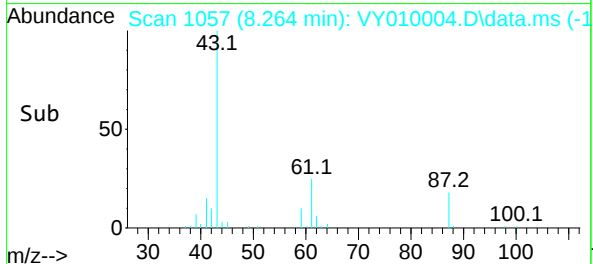
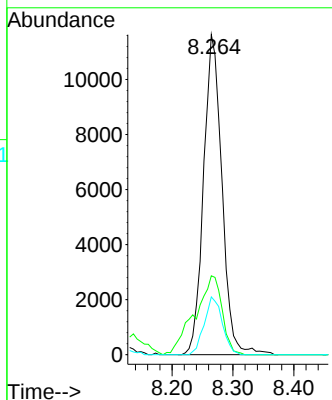
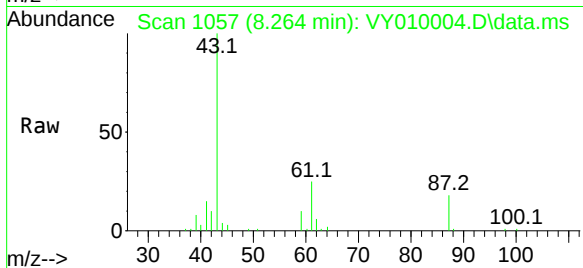
Tgt Ion: 43 Resp: 24433

Ion Ratio Lower Upper

43 100

61 36.4 23.6 35.4#

87 17.7 11.3 16.9#



#44

Trichloroethene

Concen: 19.163 ug/l

RT: 8.929 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VY010004.D

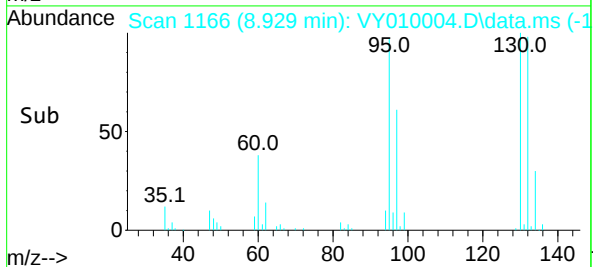
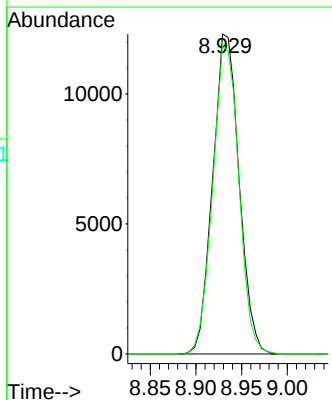
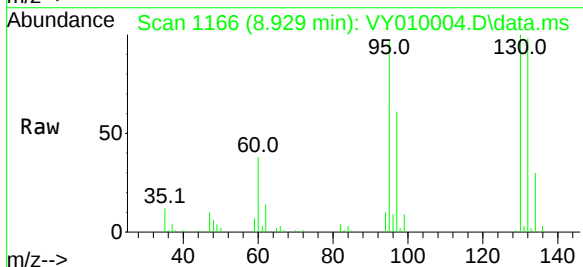
Acq: 14 Aug 2022 17:52

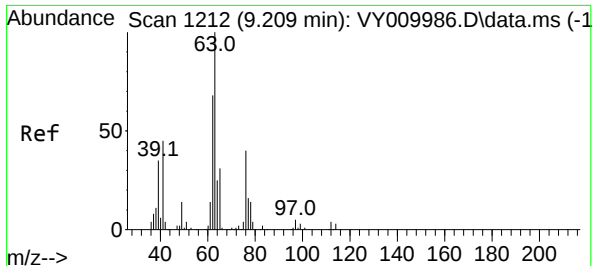
Tgt Ion:130 Resp: 24680

Ion Ratio Lower Upper

130 100

95 96.6 0.0 194.6





#45

1,2-Dichloropropane

Concen: 18.032 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

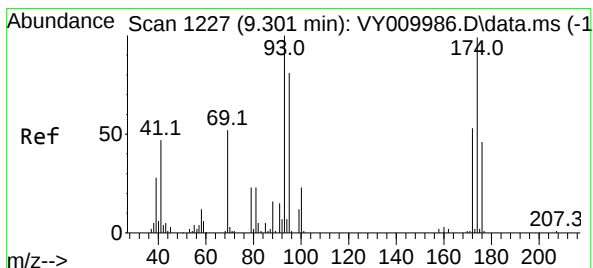
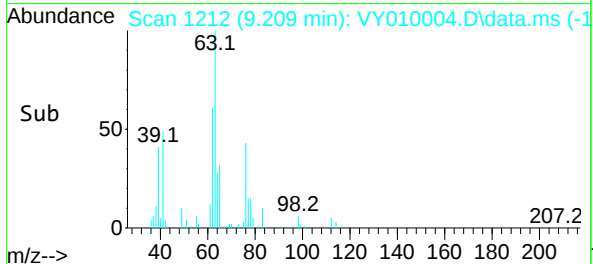
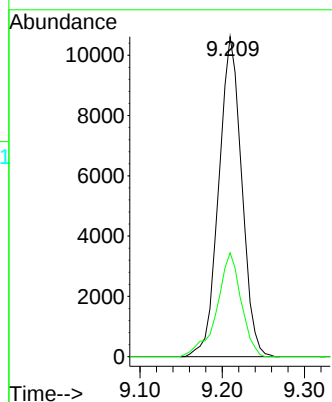
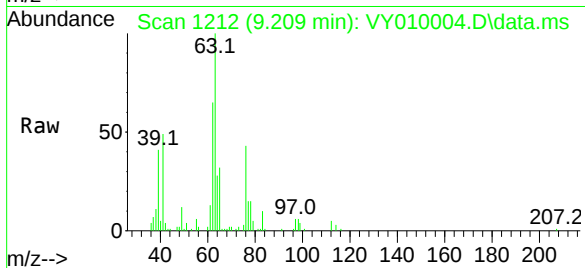
VY0814SBS01

Tgt Ion: 63 Resp: 20576

Ion Ratio Lower Upper

63 100

65 32.4 23.7 35.5



#46

Dibromomethane

Concen: 19.106 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

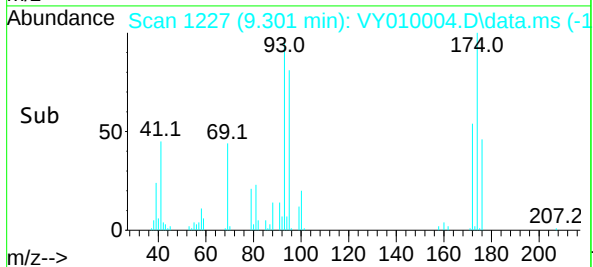
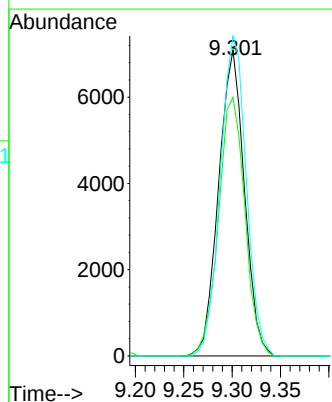
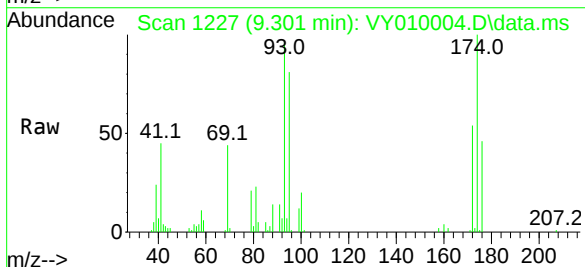
Tgt Ion: 93 Resp: 13126

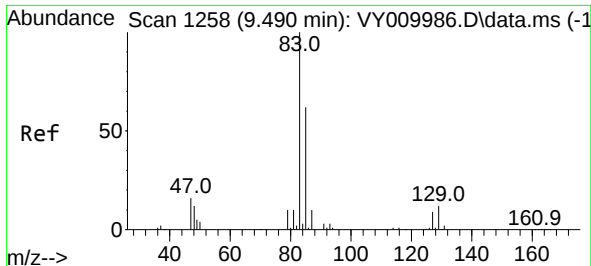
Ion Ratio Lower Upper

93 100

95 86.6 66.3 99.5

174 105.3 80.6 120.8

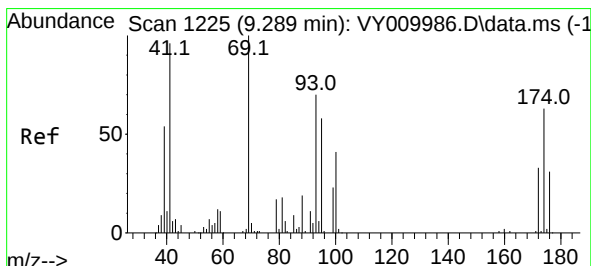
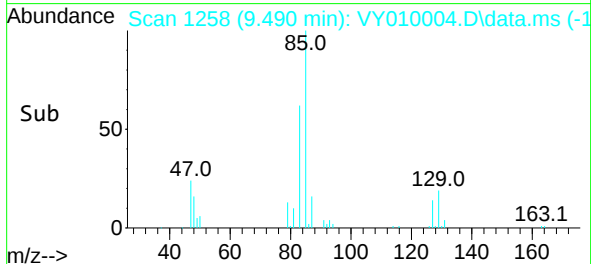
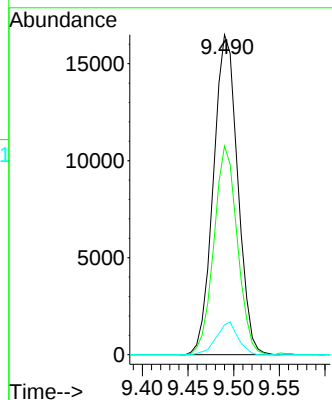
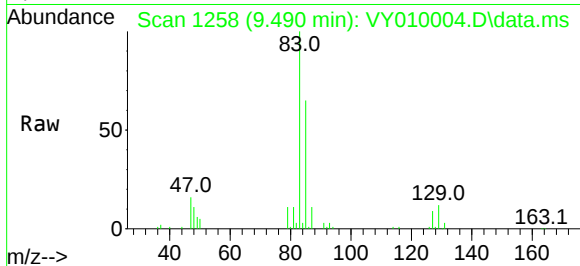




#47  
Bromodichloromethane  
Concen: 19.948 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

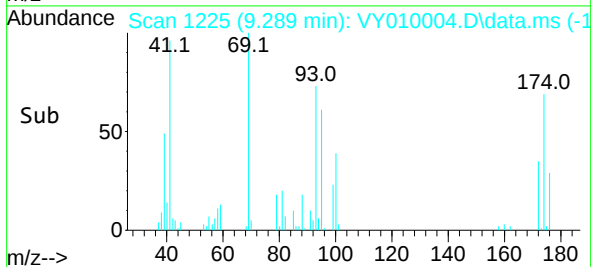
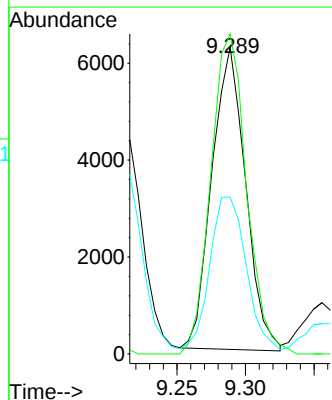
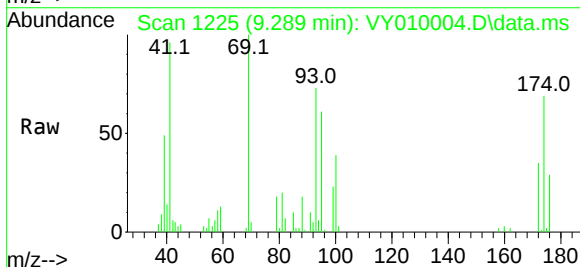
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

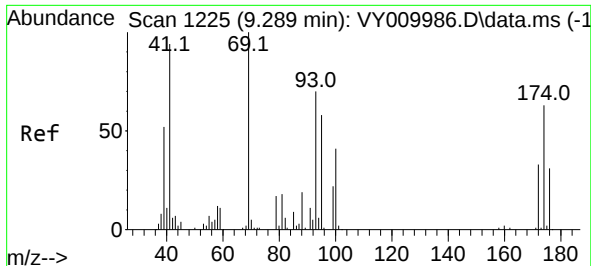
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 30467 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 65.2     | 51.2 76.8   |
| 127 9.3     | 7.1 10.7    |



#48  
Methyl methacrylate  
Concen: 16.507 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 10663 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 112.3    | 73.2 109.8# |
| 39 57.5     | 47.5 71.3   |





#49

1,4-Dioxane

Concen: 378.964 ug/l

RT: 9.289 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

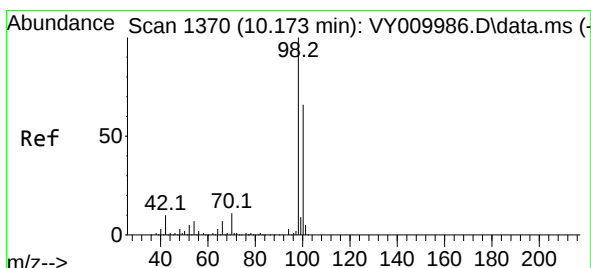
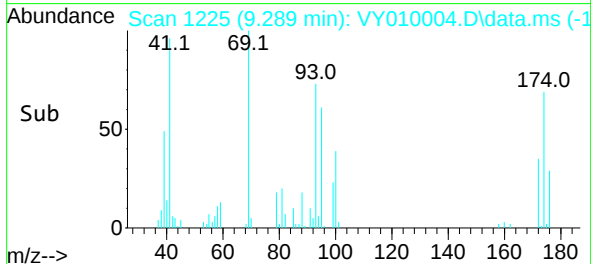
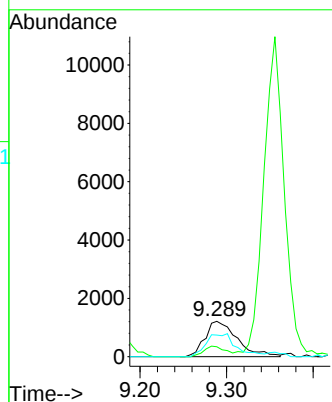
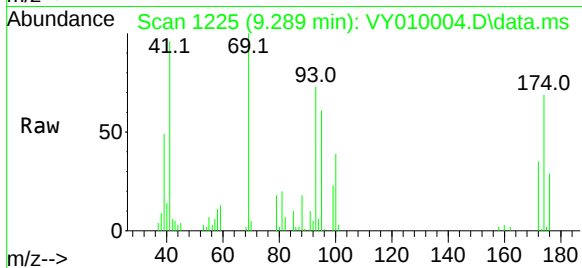
Tgt Ion: 88 Resp: 3134

Ion Ratio Lower Upper

88 100

43 20.1 26.3 39.5#

58 60.3 52.6 79.0



#50

Toluene-d8

Concen: 52.212 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY010004.D

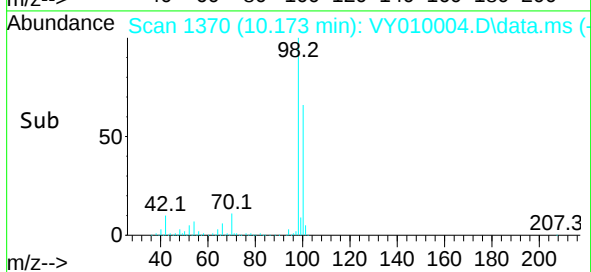
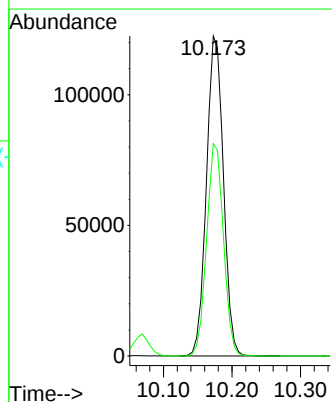
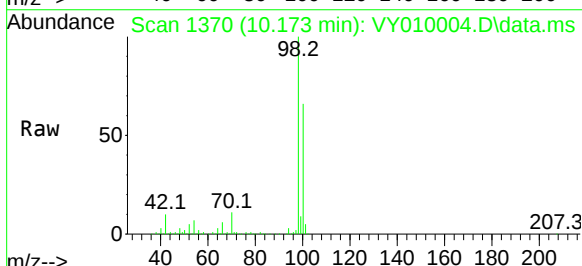
Acq: 14 Aug 2022 17:52

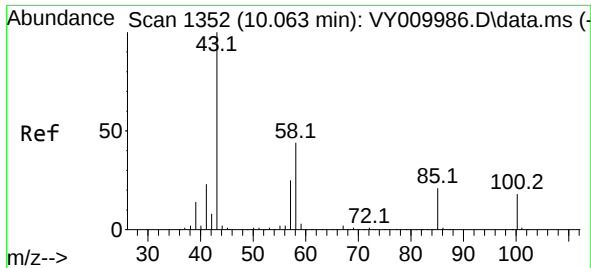
Tgt Ion: 98 Resp: 211135

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3

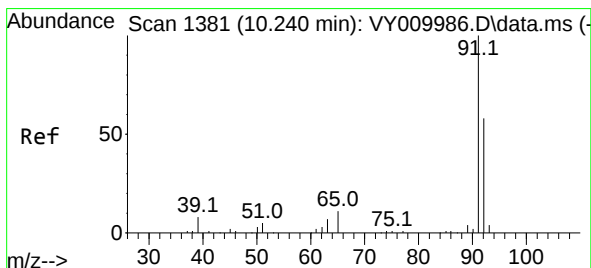
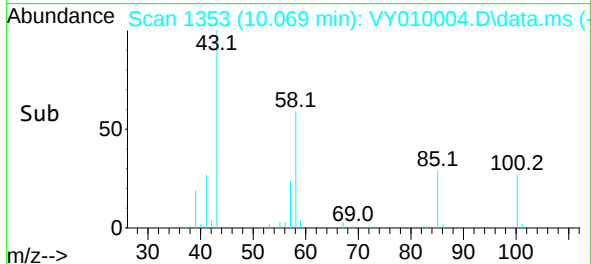
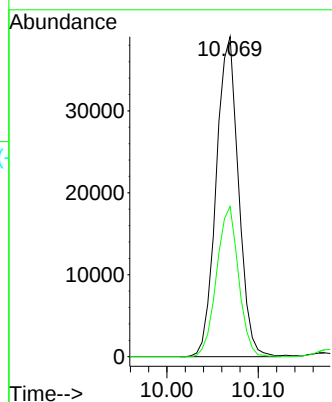
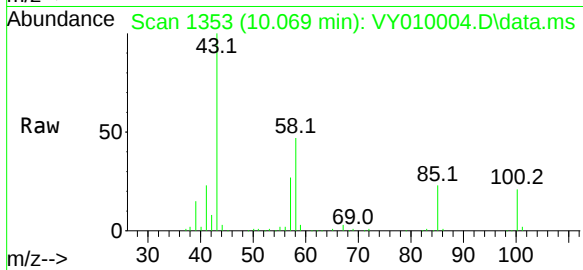




#51  
4-Methyl-2-Pentanone  
Concen: 83.089 ug/l  
RT: 10.069 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

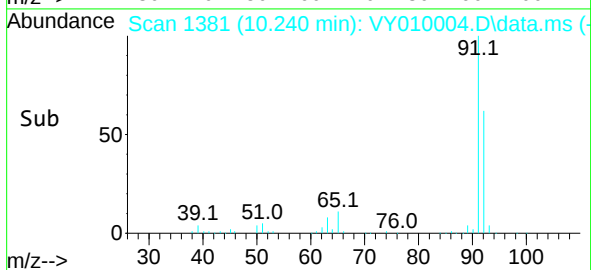
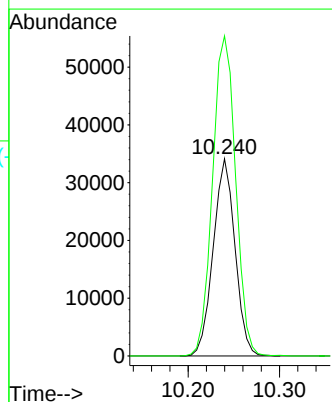
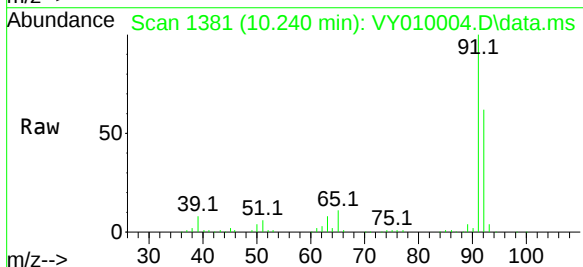
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

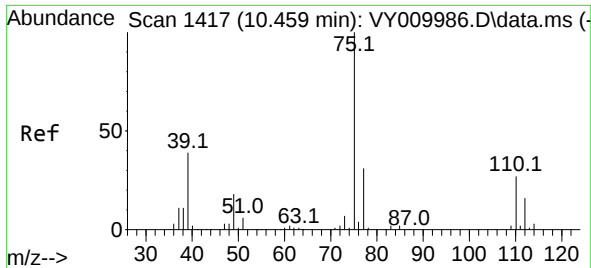
Tgt Ion: 43 Resp: 66321  
Ion Ratio Lower Upper  
43 100  
58 46.1 31.5 47.3



#52  
Toluene  
Concen: 19.727 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 92 Resp: 56497  
Ion Ratio Lower Upper  
92 100  
91 171.8 138.7 208.1

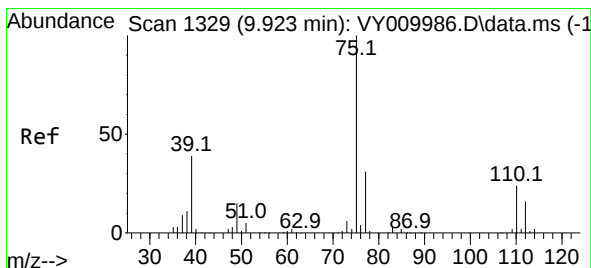
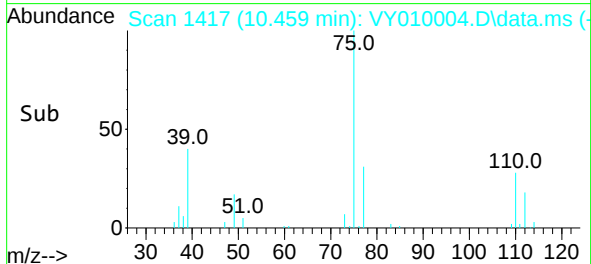
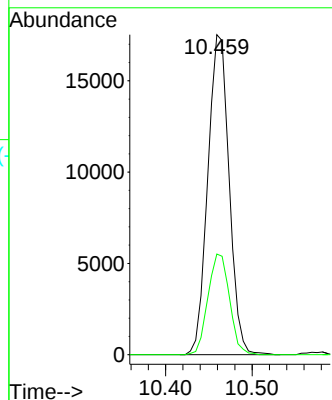
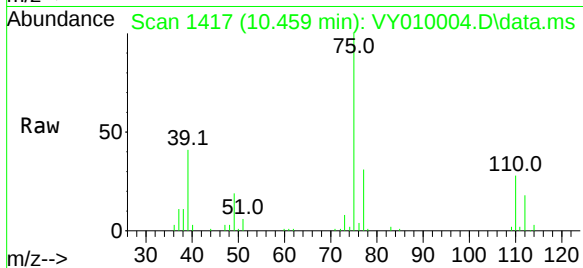




#53  
 t-1,3-Dichloropropene  
 Concen: 19.086 ug/l  
 RT: 10.459 min Scan# 1417  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

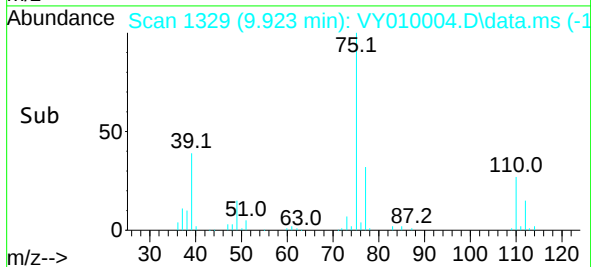
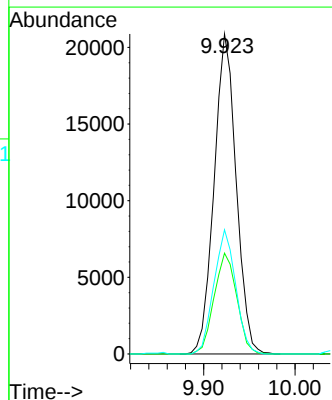
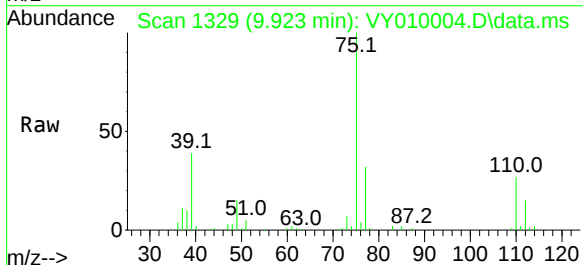
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

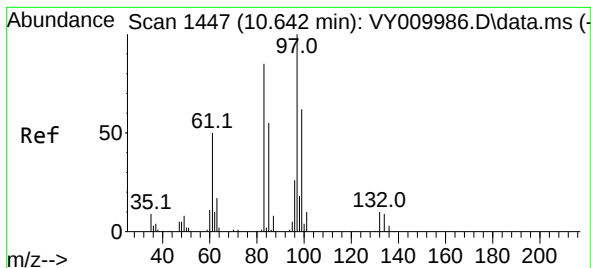
Tgt Ion: 75 Resp: 29959  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.265 ug/l  
 RT: 9.923 min Scan# 1329  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

Tgt Ion: 75 Resp: 34964  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.2 37.8  
 39 38.8 35.8 53.8





#55

1,1,2-Trichloroethane

Concen: 19.476 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

Tgt Ion: 97 Resp: 19136

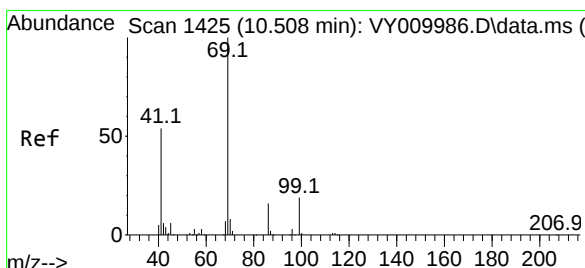
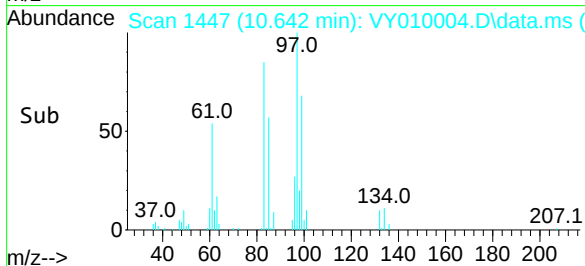
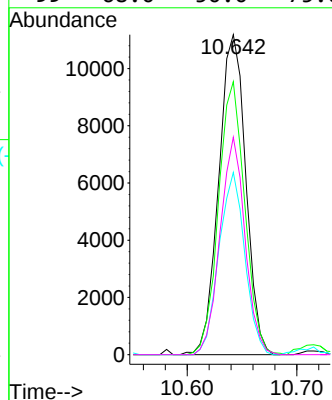
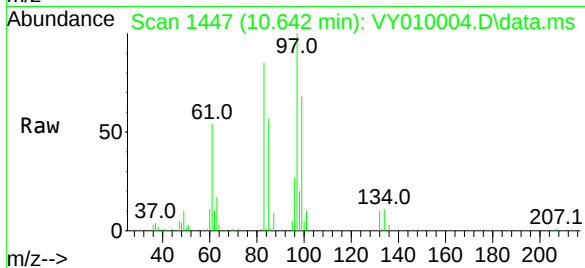
Ion Ratio Lower Upper

97 100

83 85.3 66.9 100.3

85 57.0 44.2 66.4

99 68.0 50.0 75.0



#56

Ethyl methacrylate

Concen: 18.199 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

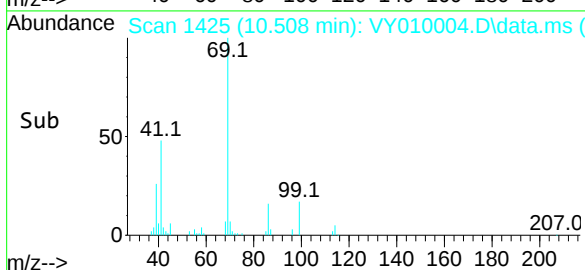
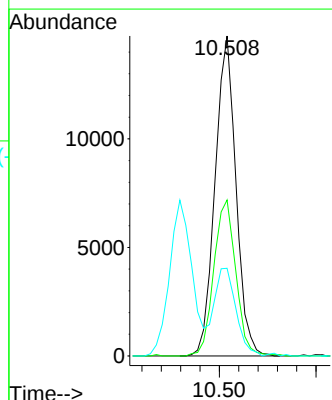
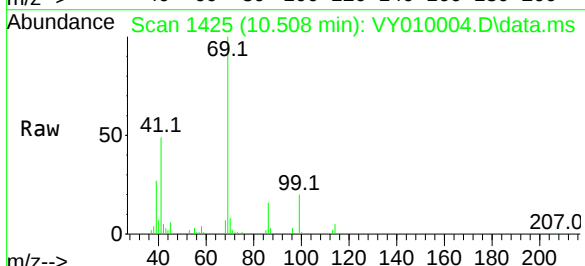
Tgt Ion: 69 Resp: 22109

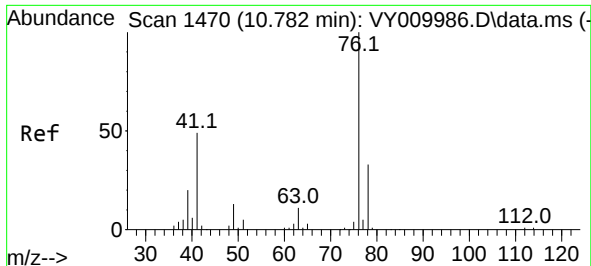
Ion Ratio Lower Upper

69 100

41 51.4 50.4 75.6

39 29.2 27.6 41.4





#57

1,3-Dichloropropane

Concen: 19.009 ug/l

RT: 10.788 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

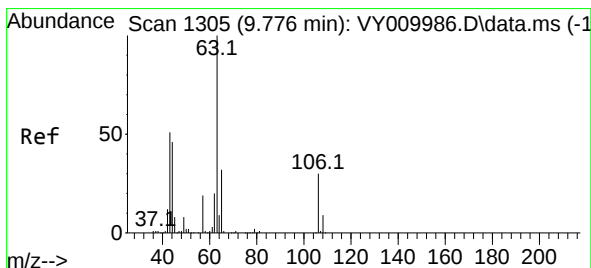
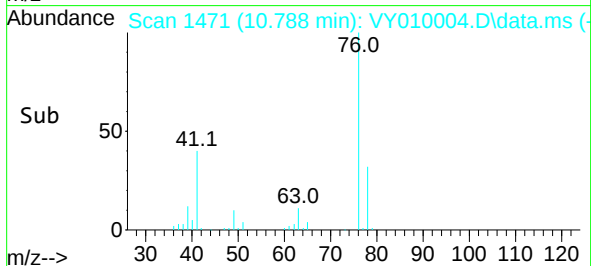
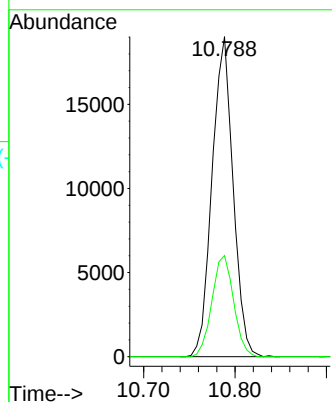
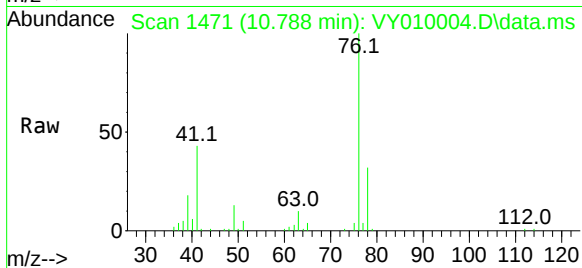
VY0814SBS01

Tgt Ion: 76 Resp: 30296

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 104.626 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VY010004.D

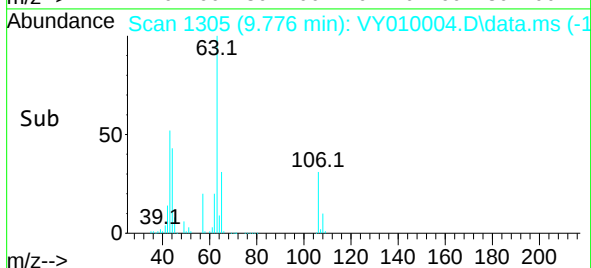
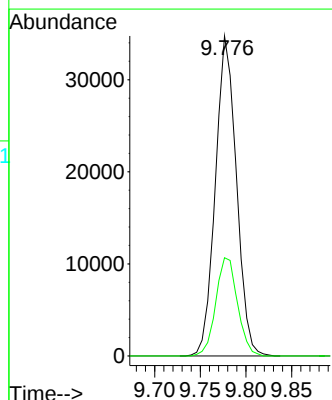
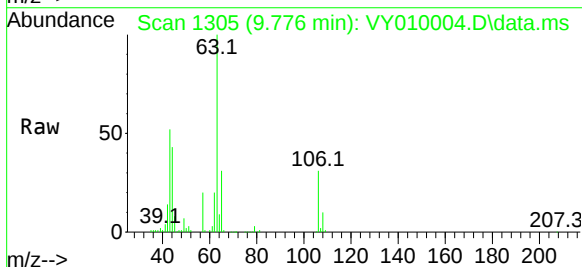
Acq: 14 Aug 2022 17:52

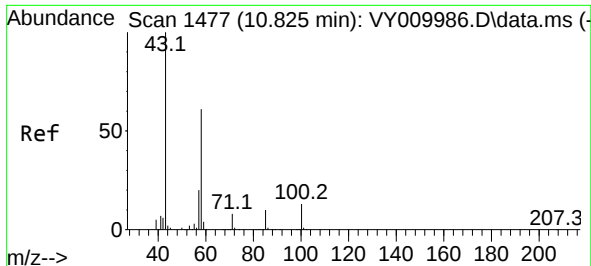
Tgt Ion: 63 Resp: 55634

Ion Ratio Lower Upper

63 100

106 31.7 23.3 34.9

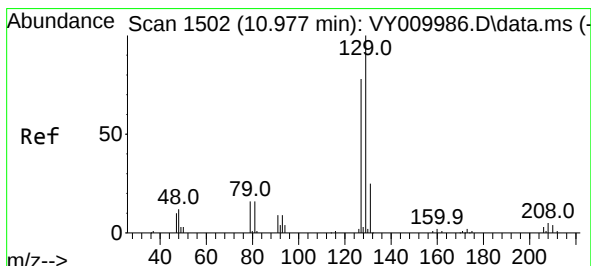
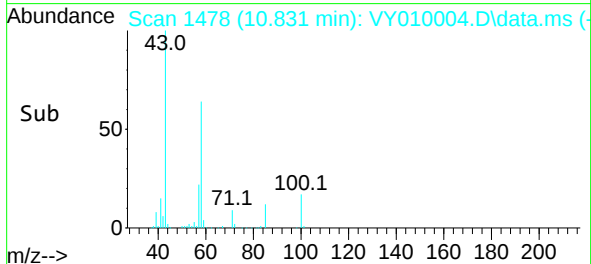
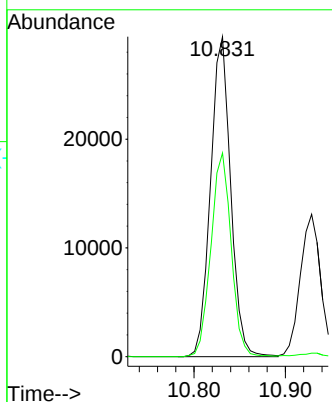
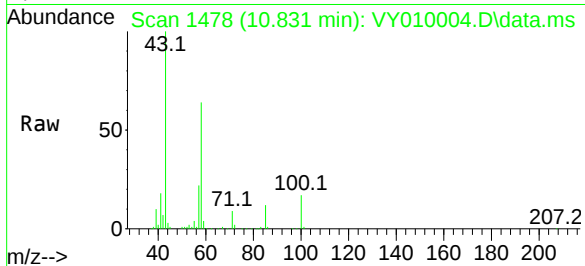




#59  
2-Hexanone  
Concen: 81.685 ug/l  
RT: 10.831 min Scan# 1477  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

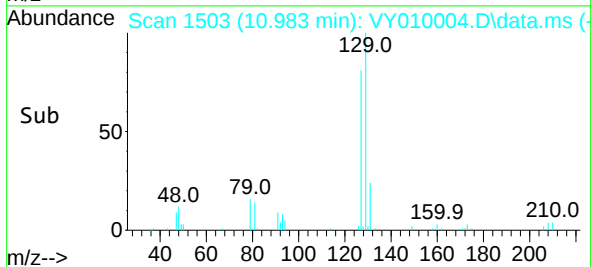
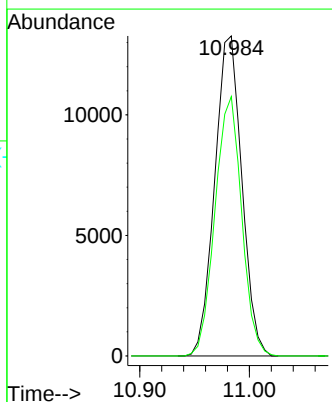
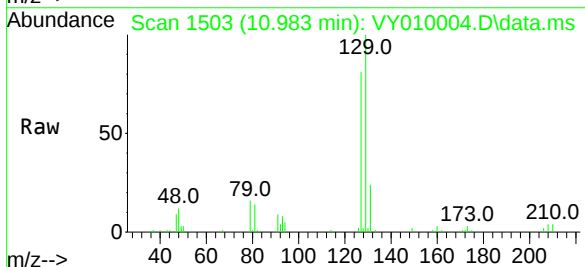
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

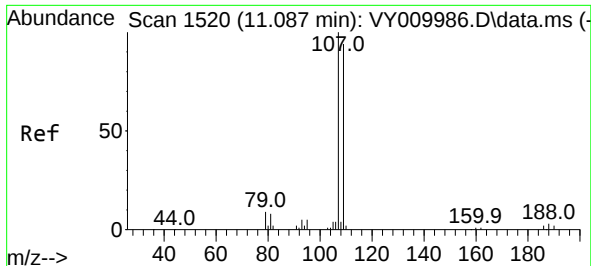
Tgt Ion: 43 Resp: 44991  
Ion Ratio Lower Upper  
43 100  
58 64.0 27.6 82.8



#60  
Dibromochloromethane  
Concen: 20.362 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 129 Resp: 22849  
Ion Ratio Lower Upper  
129 100  
127 79.5 38.8 116.4

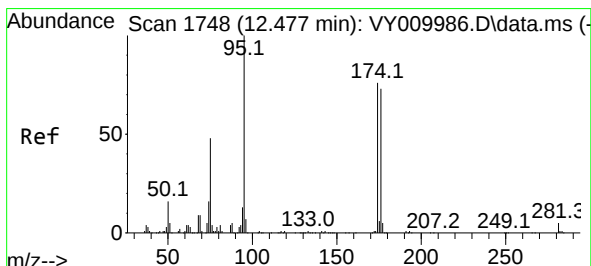
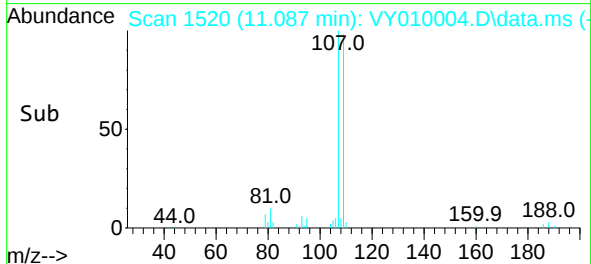
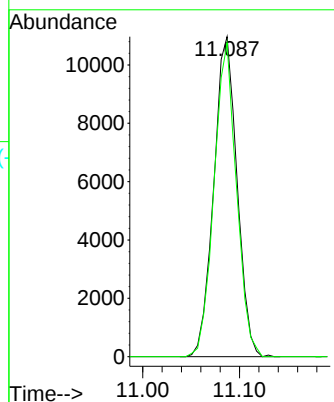
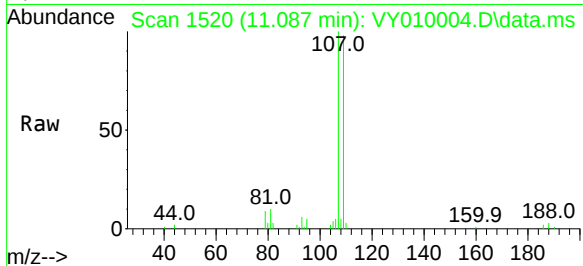




#61  
1,2-Dibromoethane  
Concen: 19.456 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

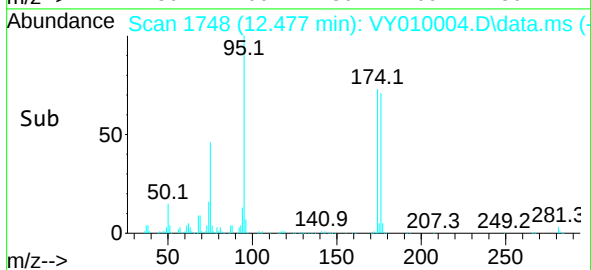
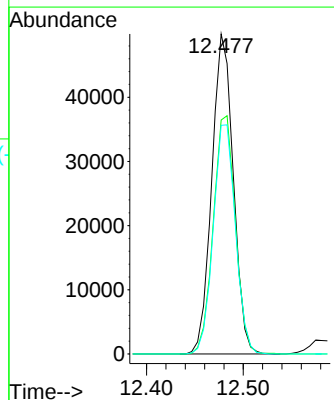
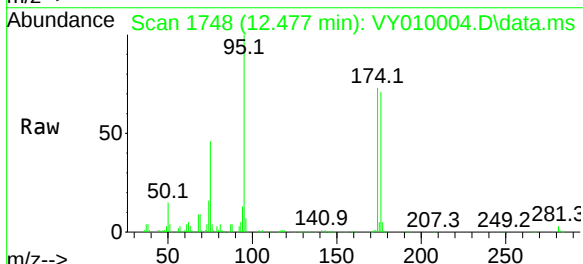
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

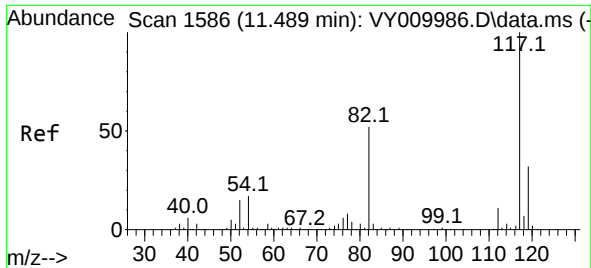
Tgt Ion:107 Resp: 18309  
Ion Ratio Lower Upper  
107 100  
109 94.5 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 51.911 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 95 Resp: 76910  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 173.8  
176 73.9 0.0 167.0

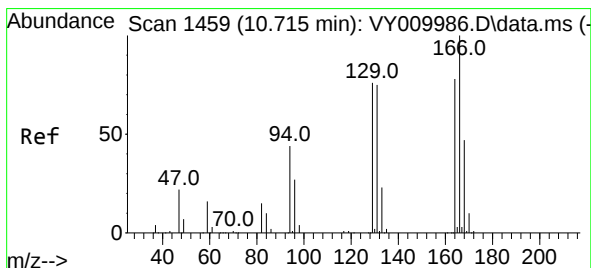
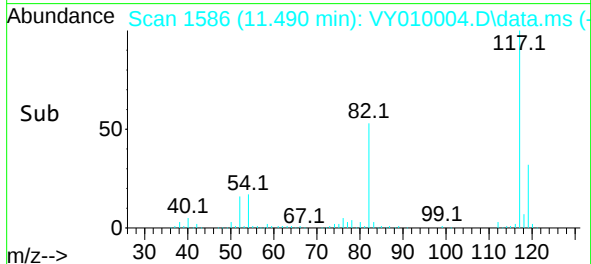
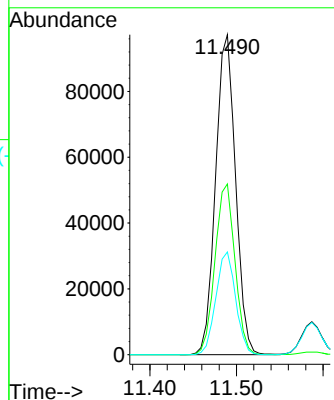
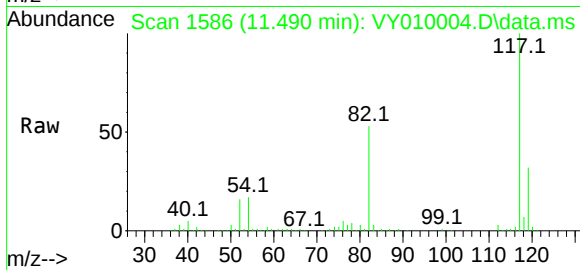




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

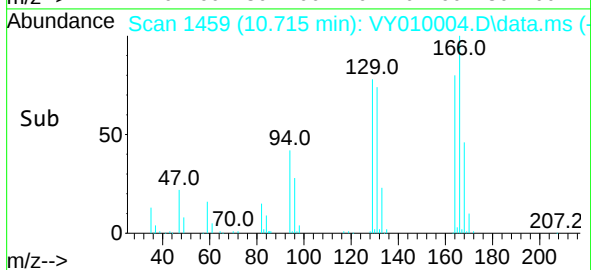
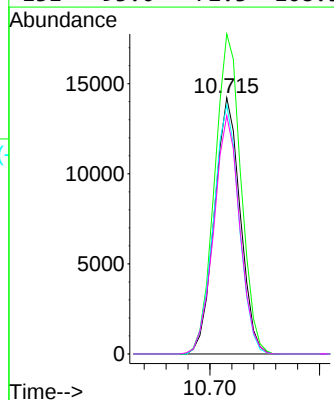
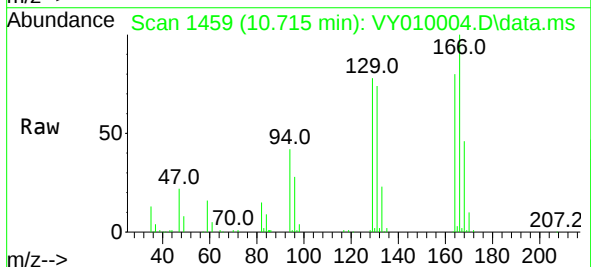
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

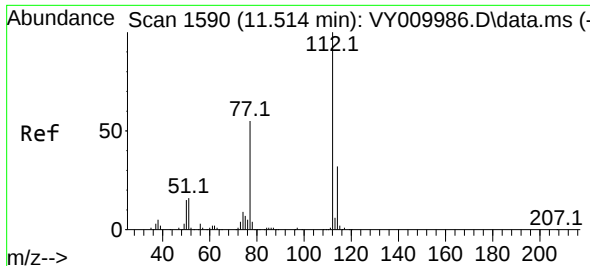
Tgt Ion:117 Resp: 155522  
Ion Ratio Lower Upper  
117 100  
82 53.4 41.8 62.6  
119 32.1 25.6 38.4



#64  
Tetrachloroethene  
Concen: 20.432 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion:164 Resp: 23214  
Ion Ratio Lower Upper  
164 100  
166 124.9 104.9 157.3  
129 97.3 76.5 114.7  
131 93.0 72.3 108.5

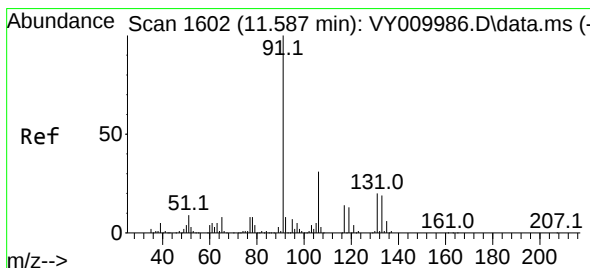
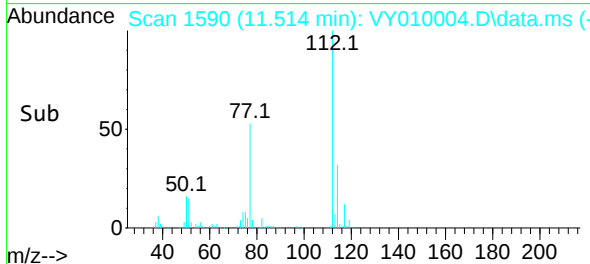
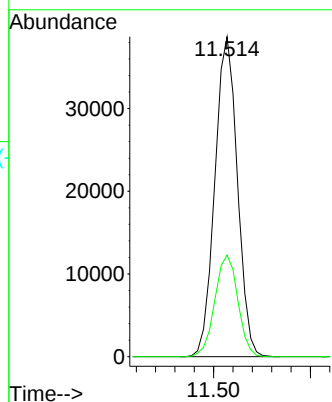
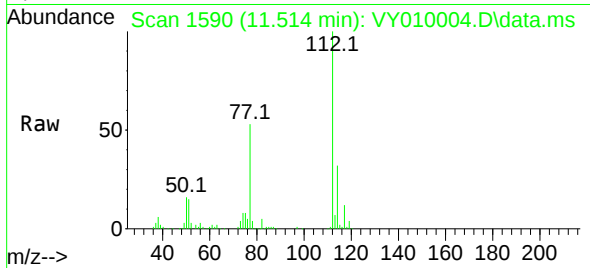




#65  
Chlorobenzene  
Concen: 19.791 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

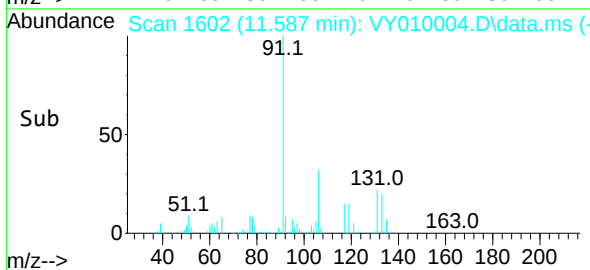
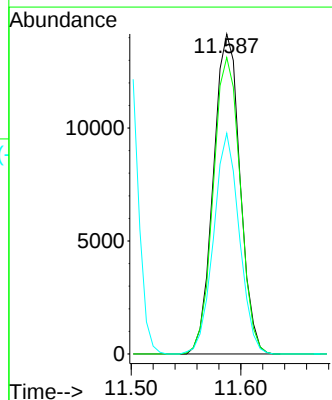
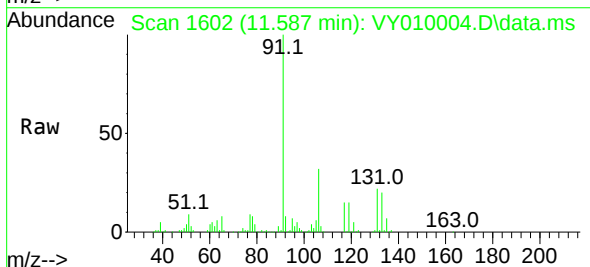
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

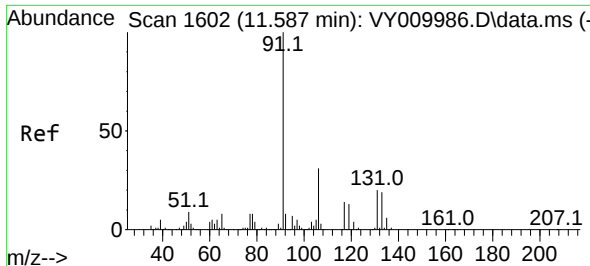
Tgt Ion:112 Resp: 62476  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.233 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion:131 Resp: 23878  
Ion Ratio Lower Upper  
131 100  
133 93.7 47.3 142.0  
119 66.7 32.1 96.3





#67

Ethyl Benzene

Concen: 19.718 ug/l

RT: 11.587 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

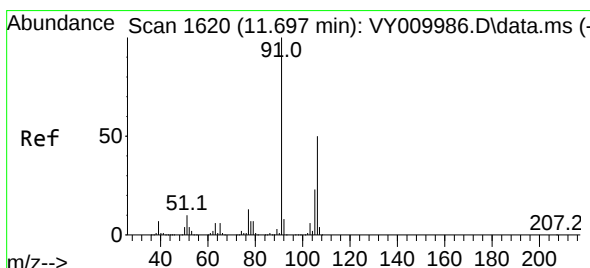
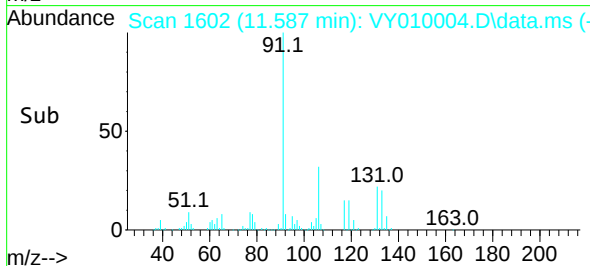
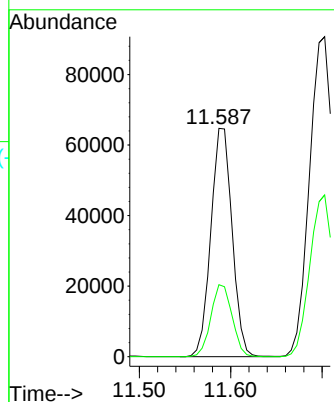
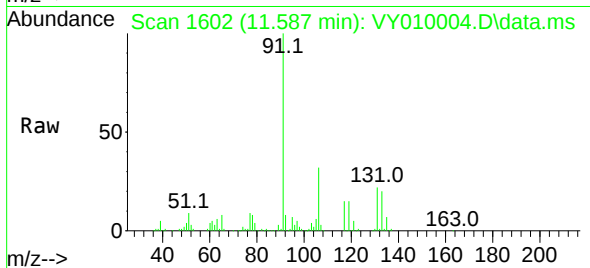
VY0814SBS01

Tgt Ion: 91 Resp: 104657

Ion Ratio Lower Upper

91 100

106 31.6 26.2 39.4



#68

m/p-Xylenes

Concen: 40.650 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY010004.D

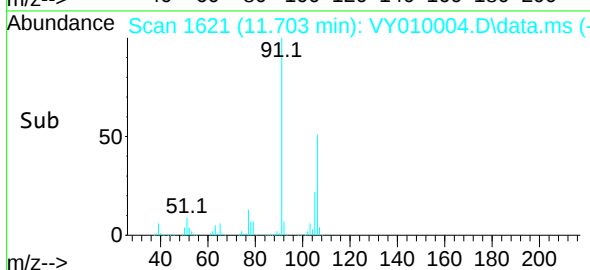
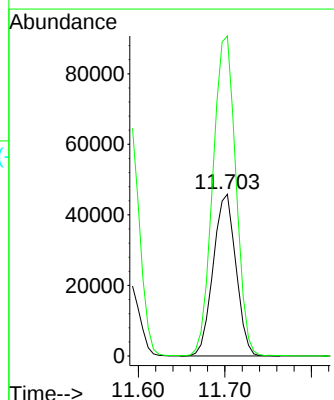
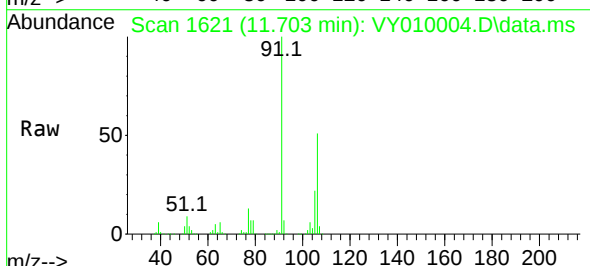
Acq: 14 Aug 2022 17:52

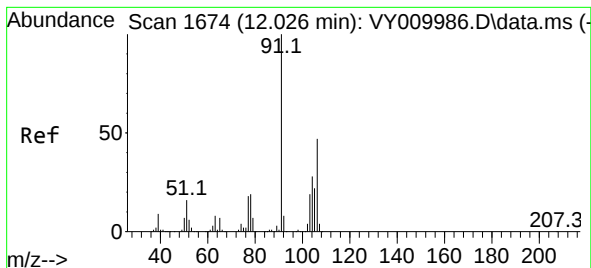
Tgt Ion: 106 Resp: 83518

Ion Ratio Lower Upper

106 100

91 200.8 156.2 234.2

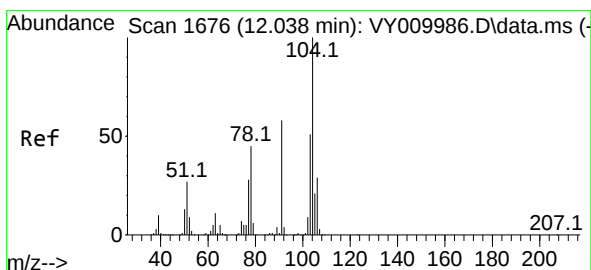
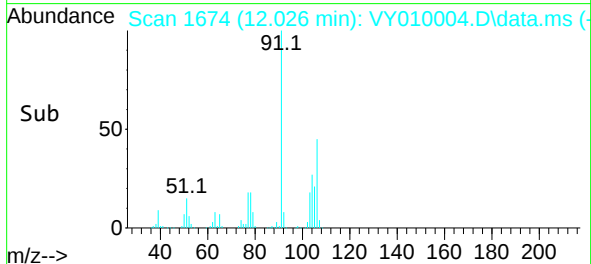
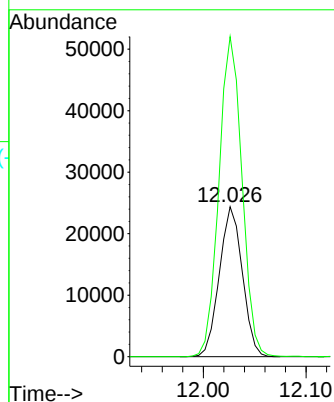
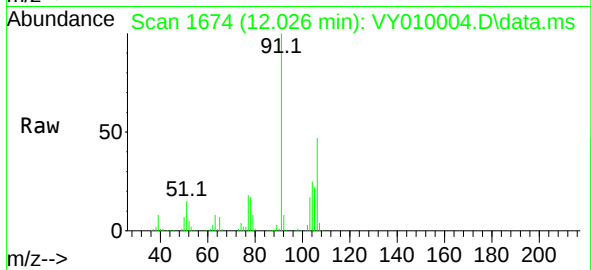




#69  
o-Xylene  
Concen: 19.430 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

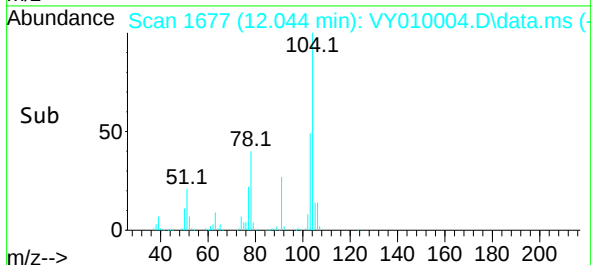
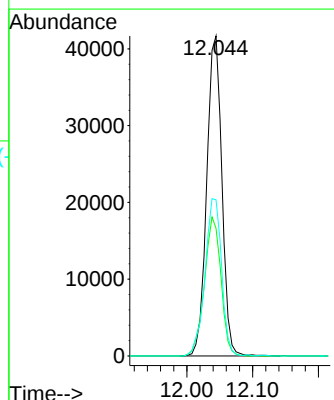
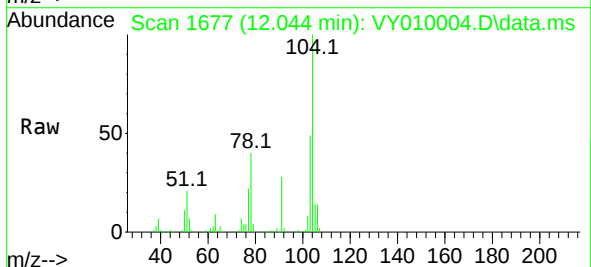
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

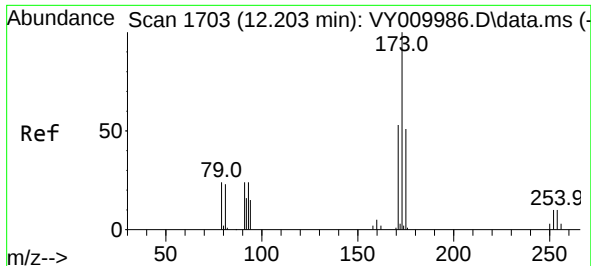
Tgt Ion:106 Resp: 37859  
Ion Ratio Lower Upper  
106 100  
91 214.1 103.2 309.4



#70  
Styrene  
Concen: 20.115 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion:104 Resp: 66763  
Ion Ratio Lower Upper  
104 100  
78 47.2 38.6 57.8  
103 53.9 43.3 64.9

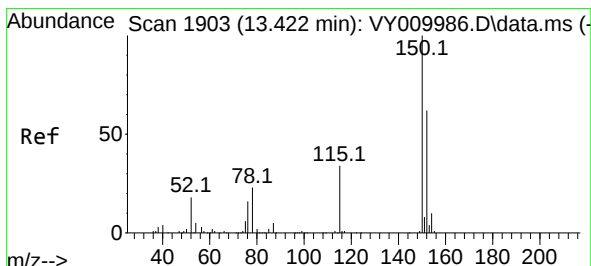
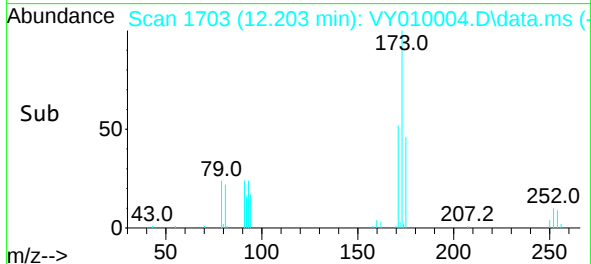
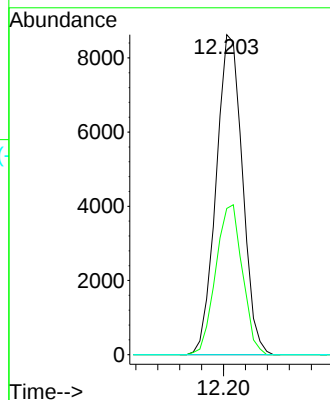
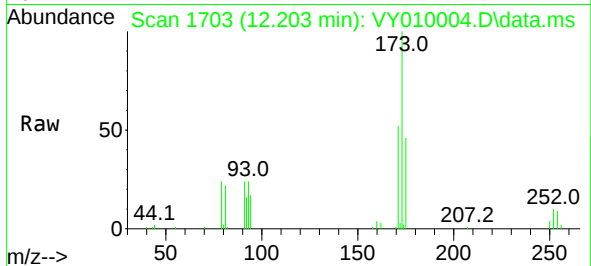




#71  
Bromoform  
Concen: 20.251 ug/l  
RT: 12.203 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

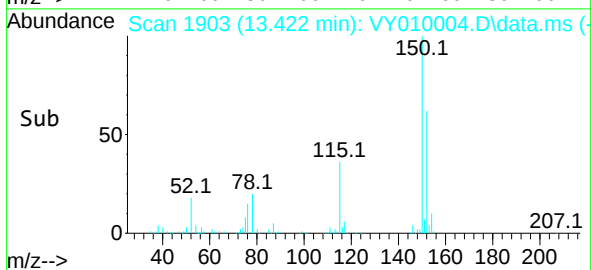
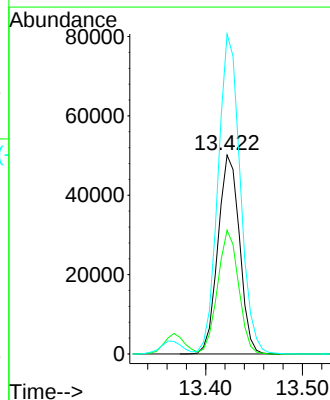
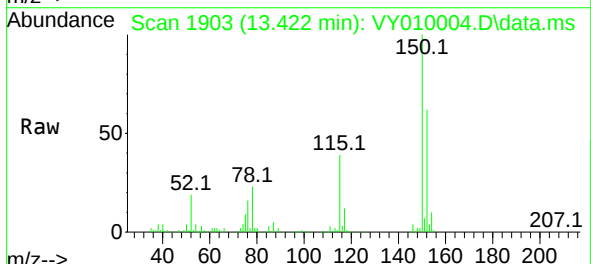
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

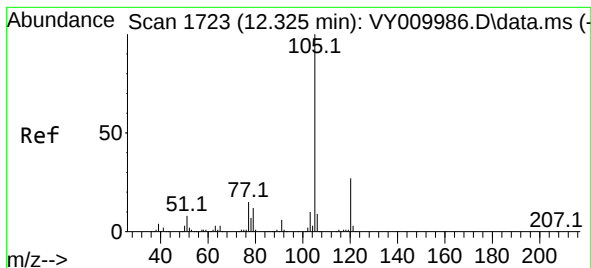
Tgt Ion:173 Resp: 14386  
Ion Ratio Lower Upper  
173 100  
175 47.5 24.4 73.4  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion:152 Resp: 77375  
Ion Ratio Lower Upper  
152 100  
115 60.6 28.6 85.9  
150 166.0 0.0 349.8





#73

Isopropylbenzene

Concen: 19.645 ug/l

RT: 12.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

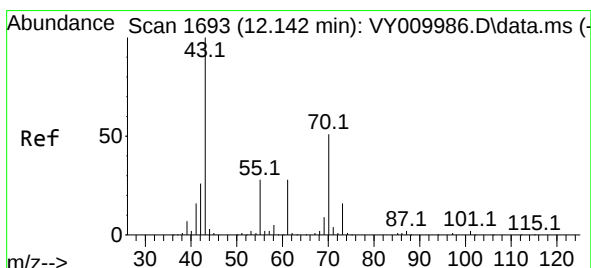
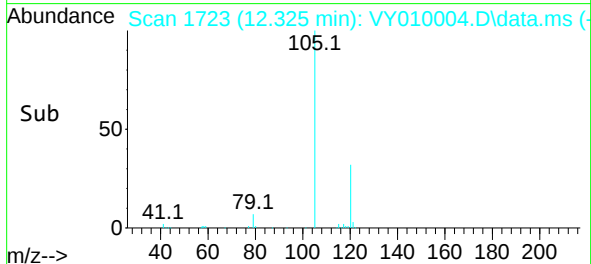
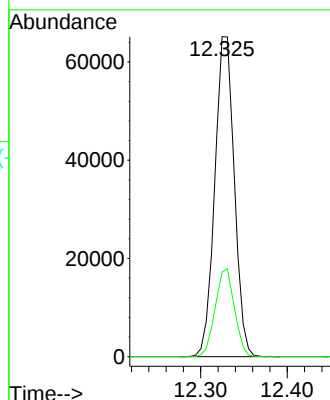
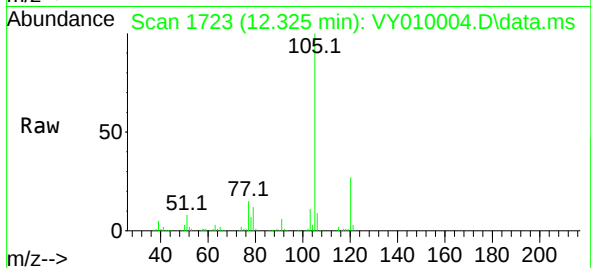
VY0814SBS01

Tgt Ion:105 Resp: 102017

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1



#74

N-ethyl acetate

Concen: 16.022 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Tgt Ion: 43 Resp: 21284

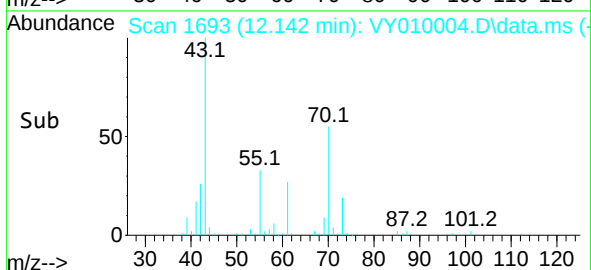
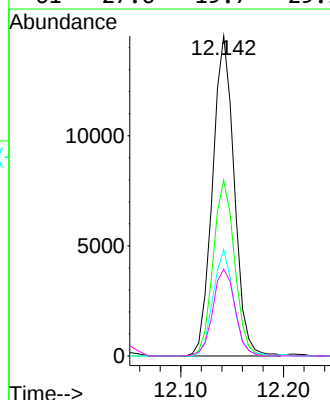
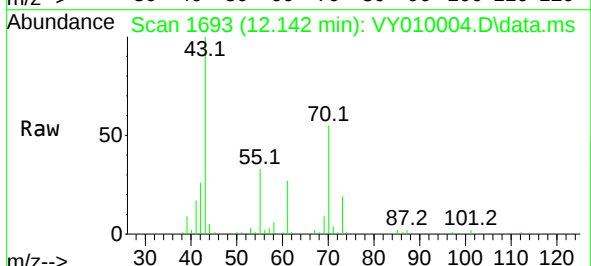
Ion Ratio Lower Upper

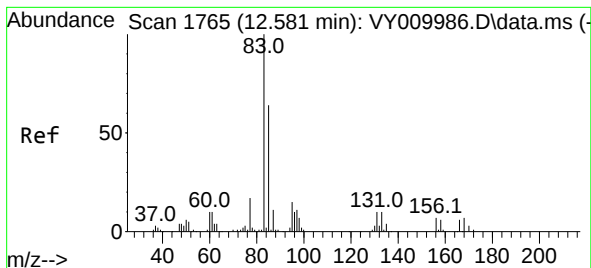
43 100

70 54.0 35.6 53.4#

55 31.5 19.5 29.3#

61 27.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.348 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

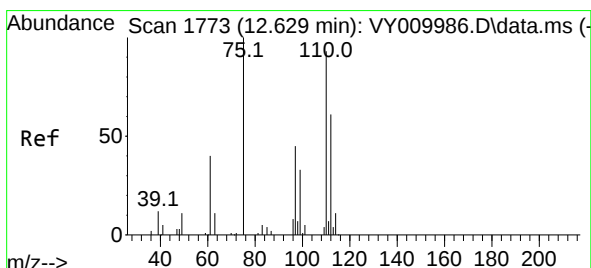
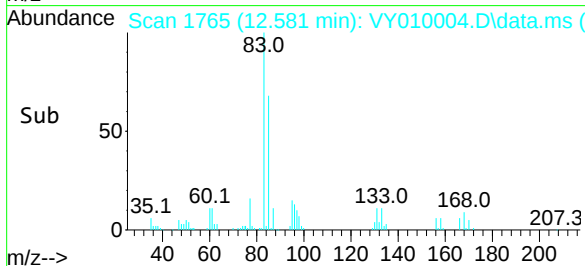
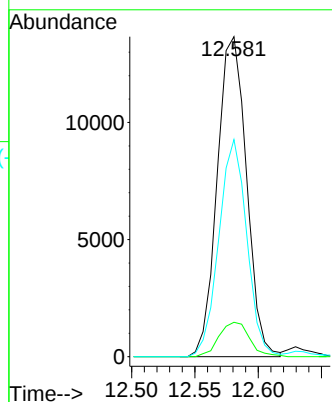
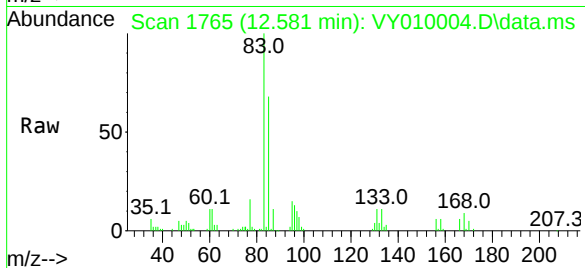
Tgt Ion: 83 Resp: 21992

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 64.8 32.8 98.4



#76

1,2,3-Trichloropropane

Concen: 31.661 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY010004.D

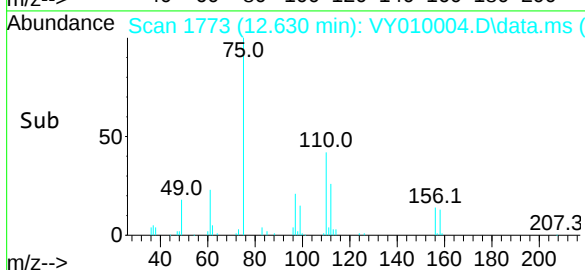
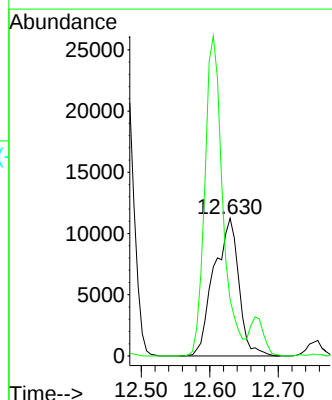
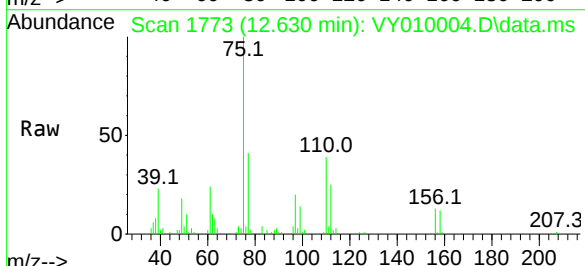
Acq: 14 Aug 2022 17:52

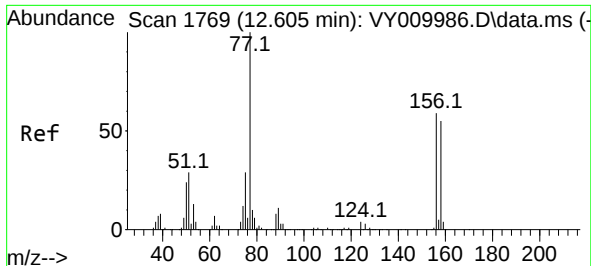
Tgt Ion: 75 Resp: 28309

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

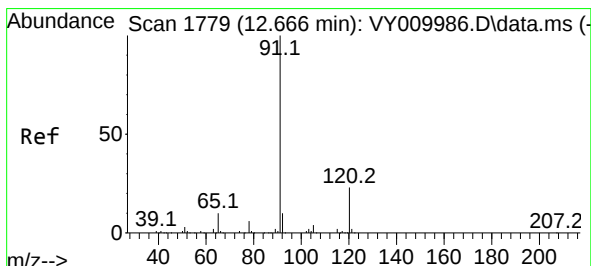
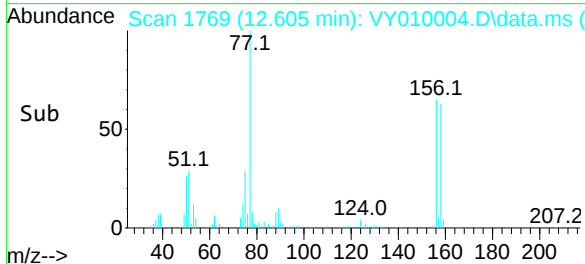
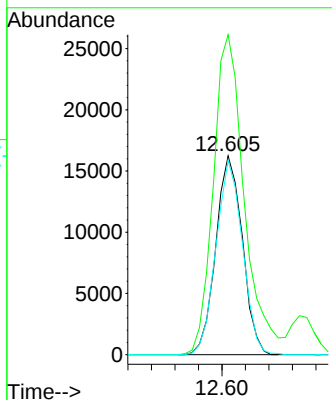
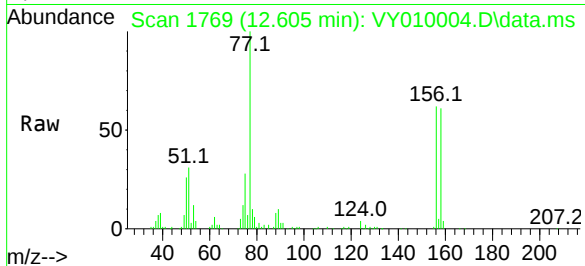




#77  
Bromobenzene  
Concen: 20.319 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

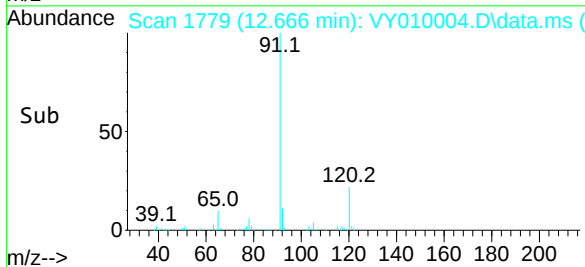
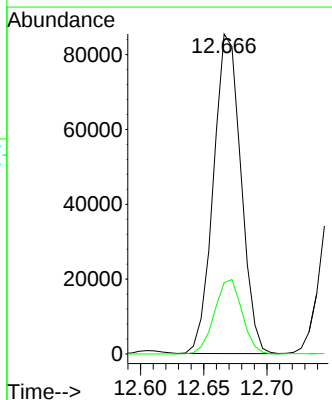
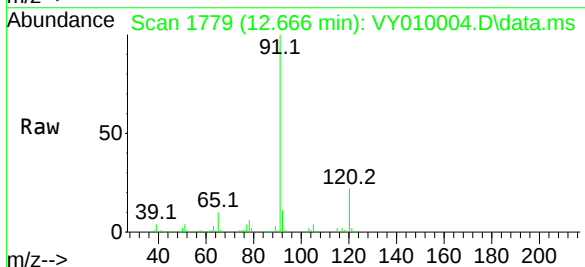
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

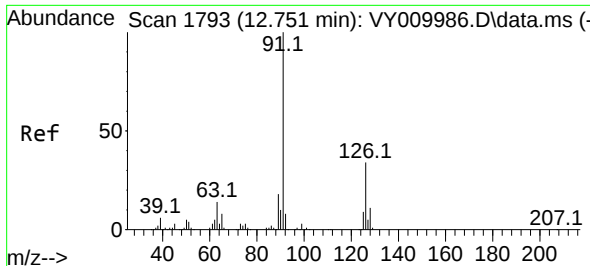
Tgt Ion:156 Resp: 25527  
Ion Ratio Lower Upper  
156 100  
77 185.8 88.1 264.3  
158 97.6 48.6 145.8



#78  
n-propylbenzene  
Concen: 19.774 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 91 Resp: 128879  
Ion Ratio Lower Upper  
91 100  
120 23.4 11.9 35.5

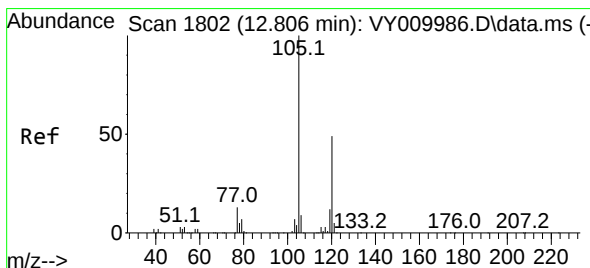
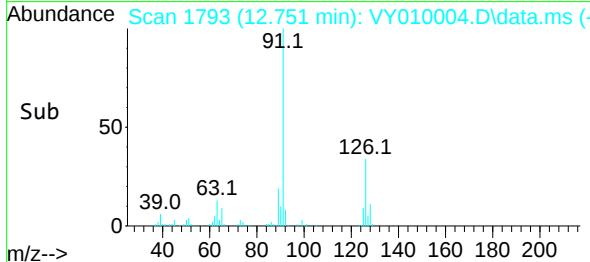
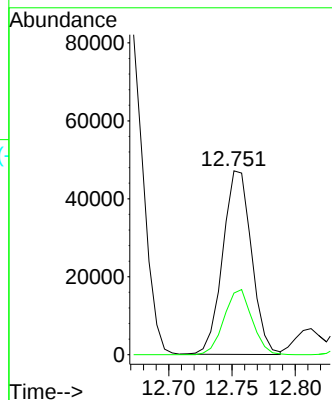
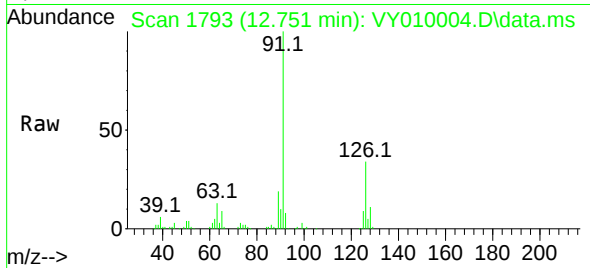




#79  
2-Chlorotoluene  
Concen: 20.150 ug/l  
RT: 12.751 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

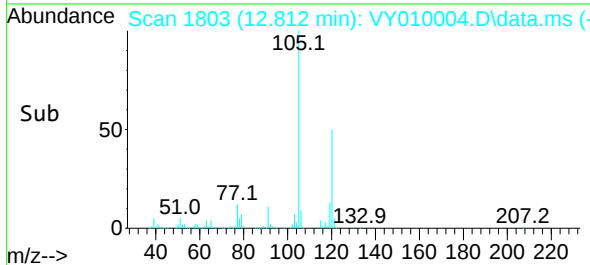
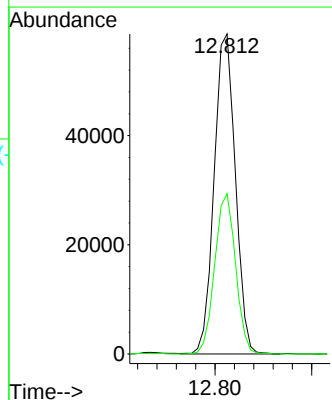
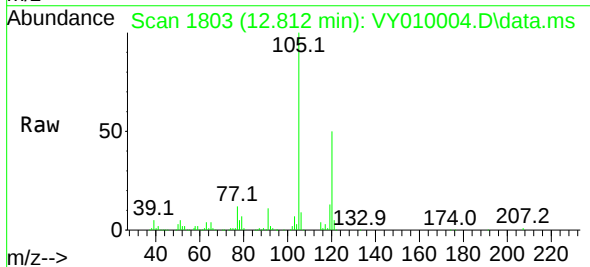
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

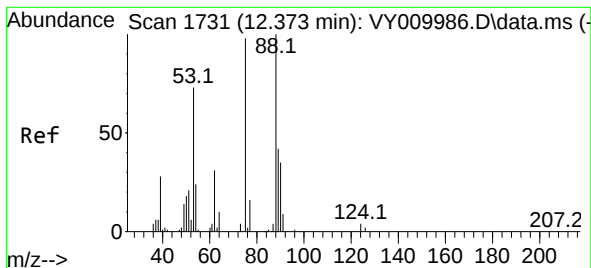
Tgt Ion: 91 Resp: 74597  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 21.011 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.006 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 105 Resp: 89149  
Ion Ratio Lower Upper  
105 100  
120 49.2 25.3 75.8

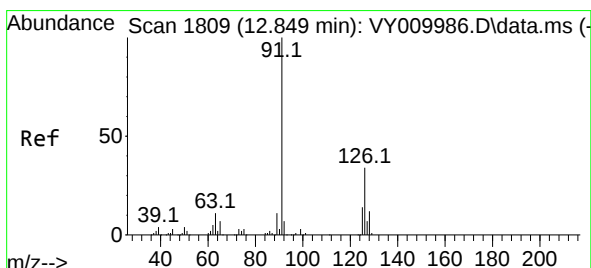
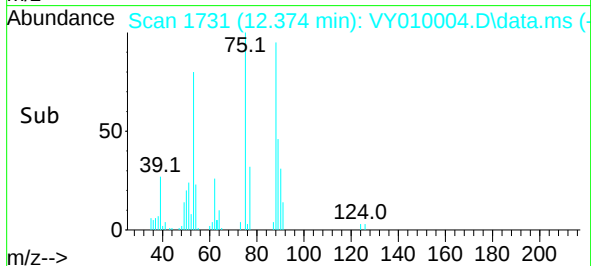
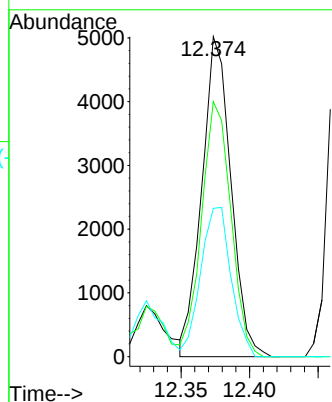
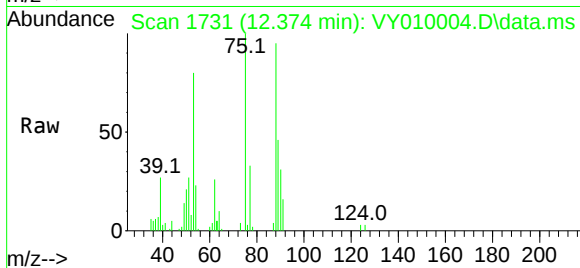




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.037 ug/l  
RT: 12.374 min Scan# 1731  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

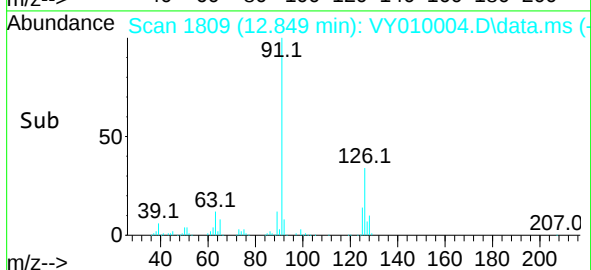
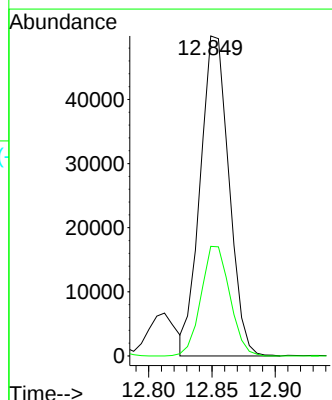
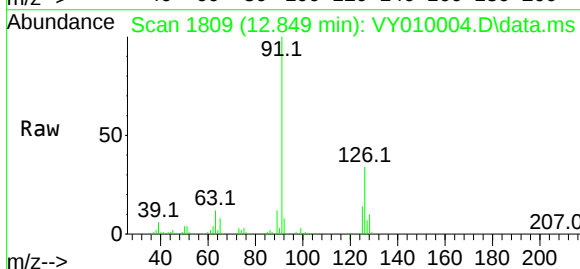
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

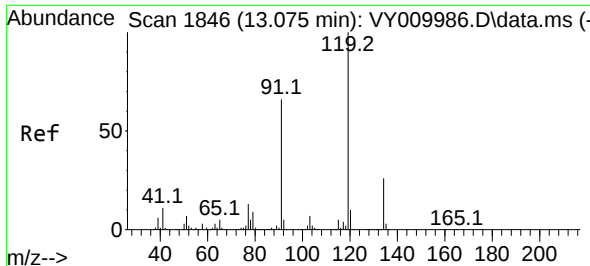
Tgt Ion: 75 Resp: 7419  
Ion Ratio Lower Upper  
75 100  
53 80.1 71.4 107.2  
89 48.6 38.1 57.1



#82  
4-Chlorotoluene  
Concen: 20.444 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 91 Resp: 78845  
Ion Ratio Lower Upper  
91 100  
126 34.4 18.0 54.0

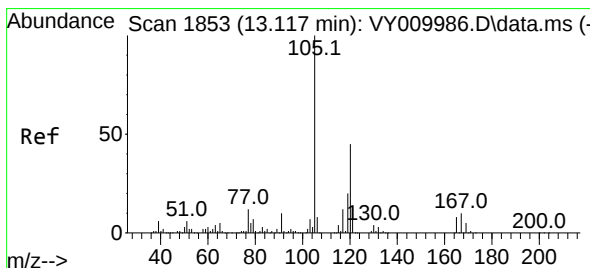
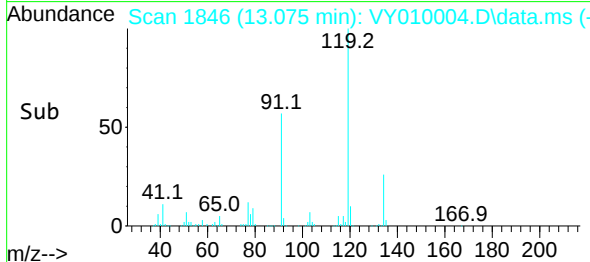
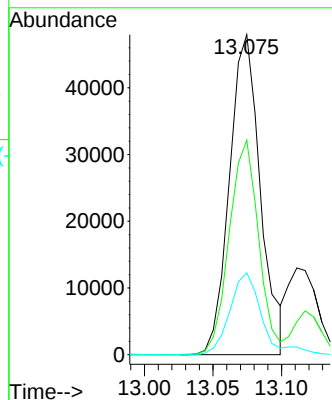
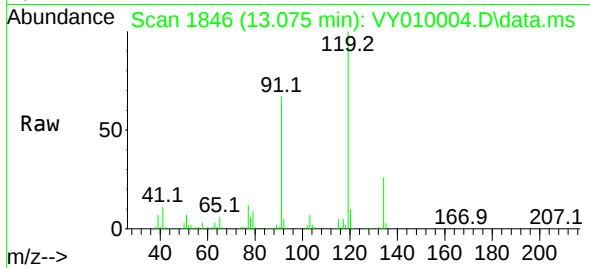




#83  
 tert-Butylbenzene  
 Concen: 20.218 ug/l  
 RT: 13.075 min Scan# 1846  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

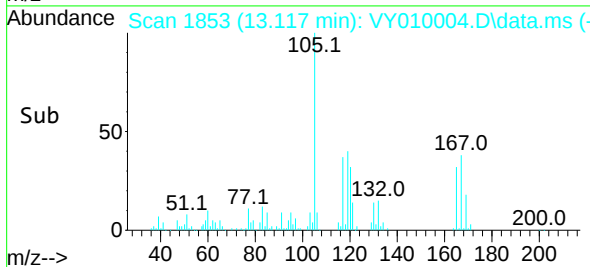
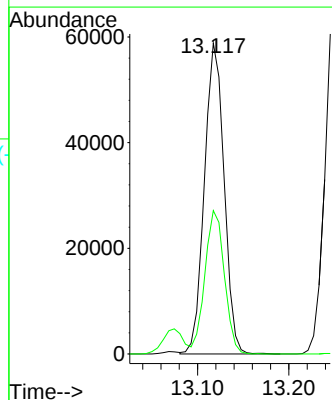
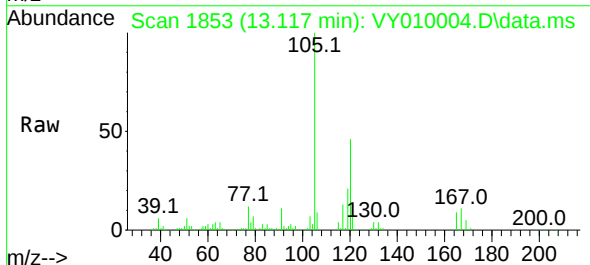
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBS01

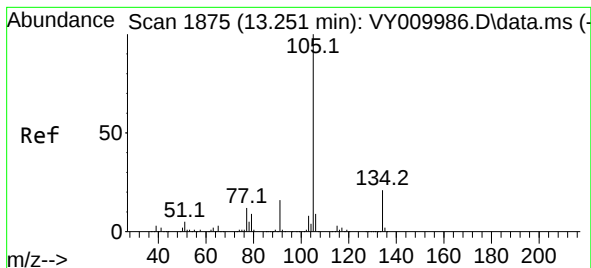
Tgt Ion:119 Resp: 75403  
 Ion Ratio Lower Upper  
 119 100  
 91 63.9 32.0 96.0  
 134 26.4 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.621 ug/l  
 RT: 13.117 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: VY010004.D  
 Acq: 14 Aug 2022 17:52

Tgt Ion:105 Resp: 87858  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.987 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

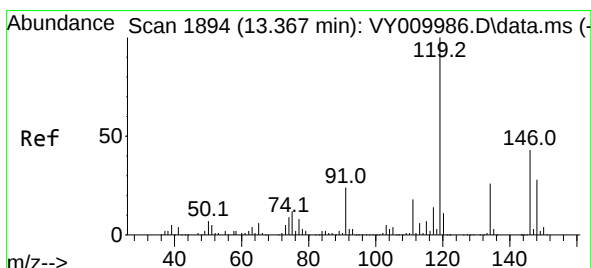
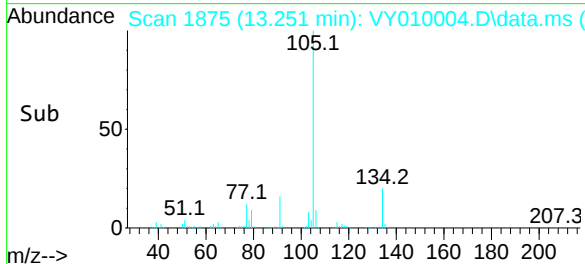
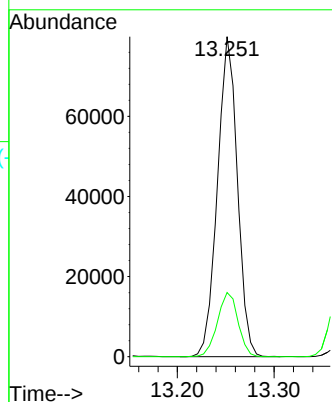
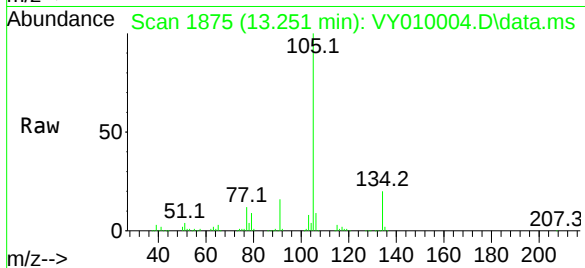
VY0814SBS01

Tgt Ion:105 Resp: 114202

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.902 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

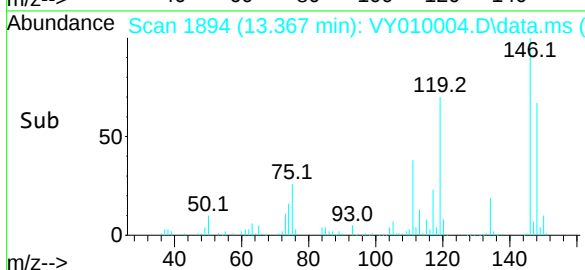
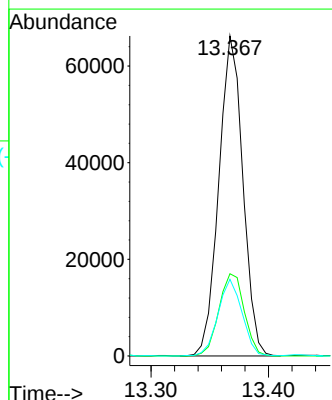
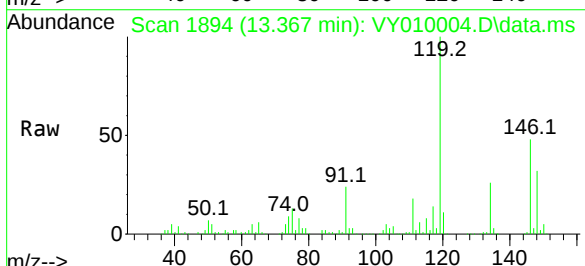
Tgt Ion:119 Resp: 94276

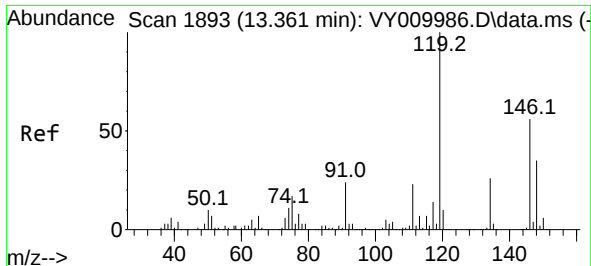
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 24.0 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 21.038 ug/l

RT: 13.361 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

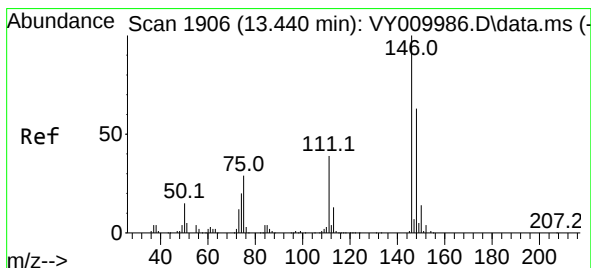
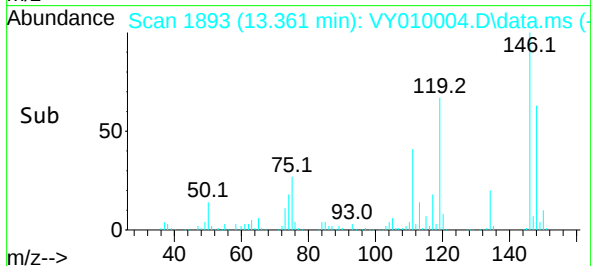
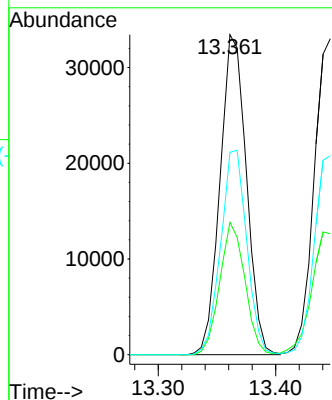
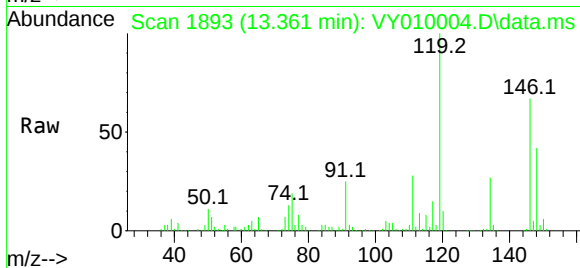
Tgt Ion:146 Resp: 52096

Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.3

148 63.4 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 20.120 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

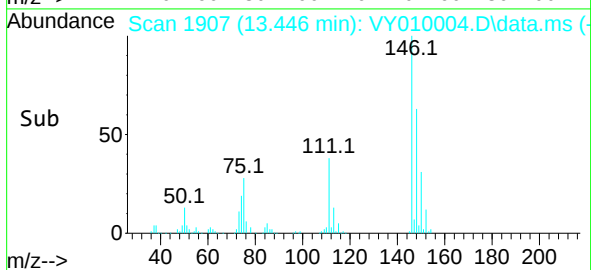
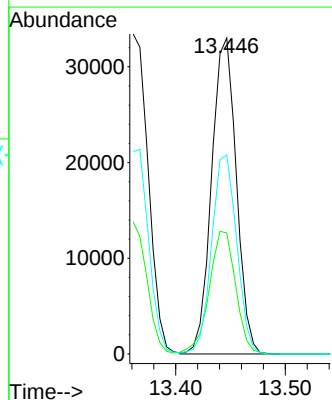
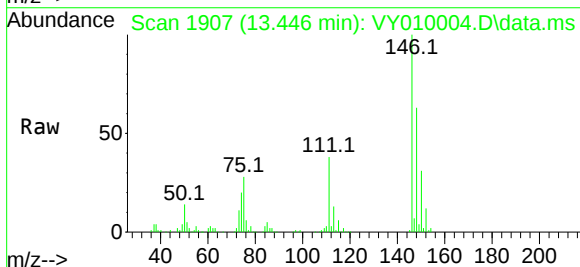
Tgt Ion:146 Resp: 51794

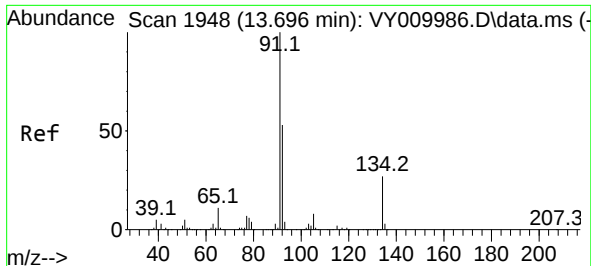
Ion Ratio Lower Upper

146 100

111 41.6 18.9 56.9

148 63.9 31.6 95.0

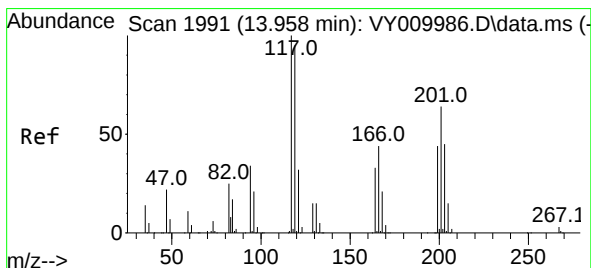
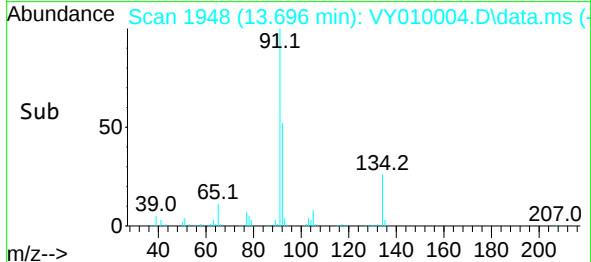
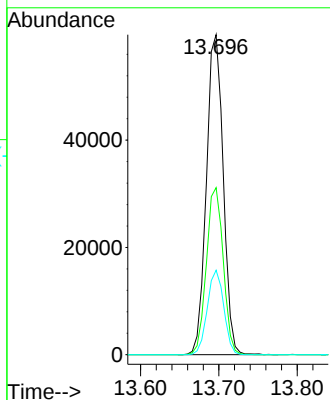
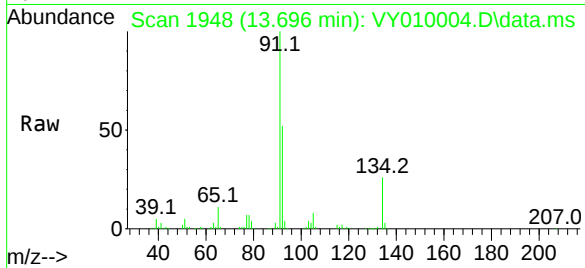




#89  
n-Butylbenzene  
Concen: 20.421 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

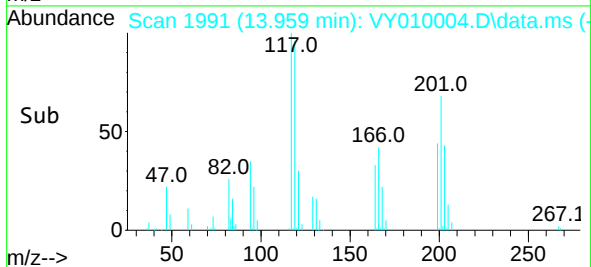
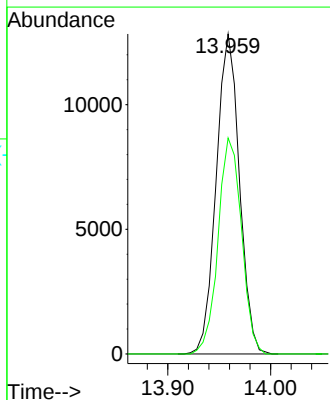
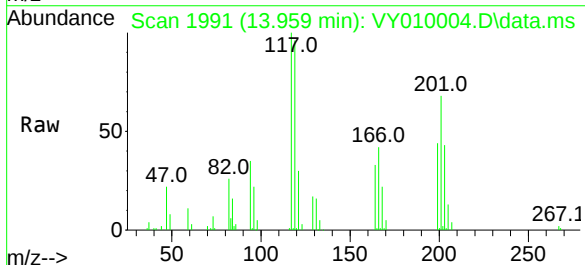
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

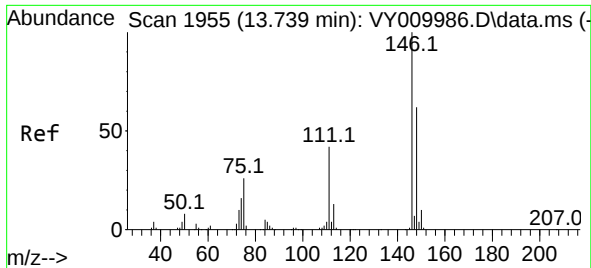
Tgt Ion: 91 Resp: 88928  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.9 80.7  
134 25.8 14.0 41.9



#90  
Hexachloroethane  
Concen: 20.758 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 117 Resp: 20078  
Ion Ratio Lower Upper  
117 100  
201 68.4 38.8 116.3

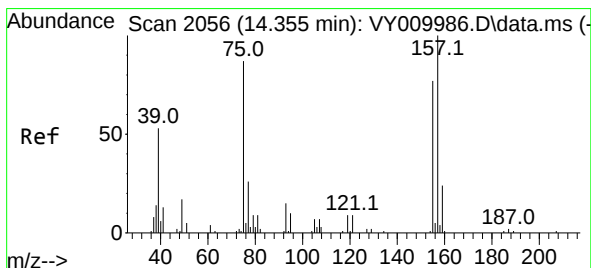
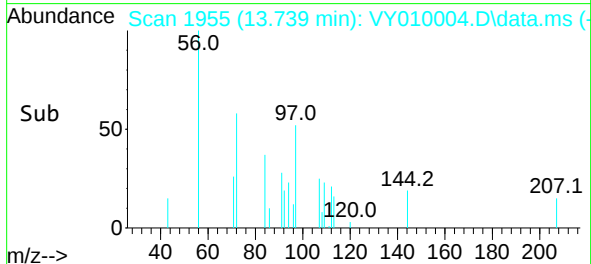
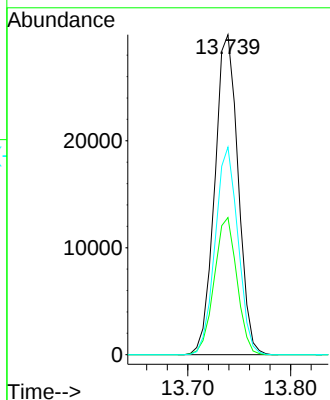
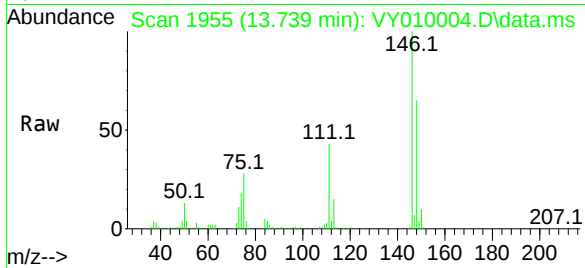




#91  
1,2-Dichlorobenzene  
Concen: 21.164 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

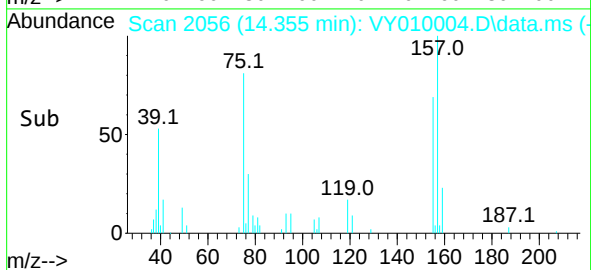
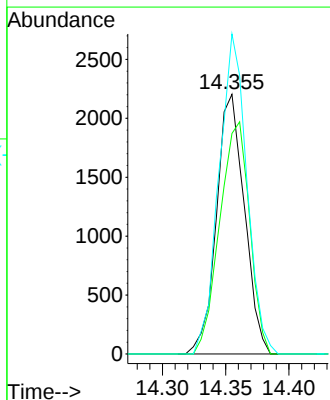
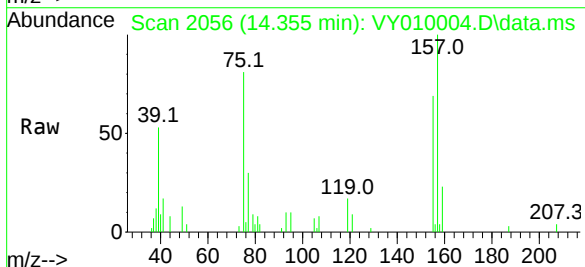
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBS01

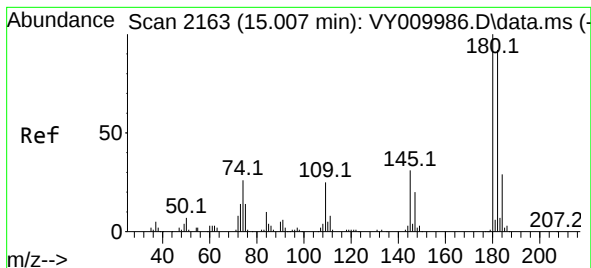
Tgt Ion:146 Resp: 47141  
Ion Ratio Lower Upper  
146 100  
111 41.8 19.7 59.1  
148 63.5 32.1 96.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.568 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY010004.D  
Acq: 14 Aug 2022 17:52

Tgt Ion: 75 Resp: 3382  
Ion Ratio Lower Upper  
75 100  
155 95.7 46.4 139.1  
157 122.9 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 20.441 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

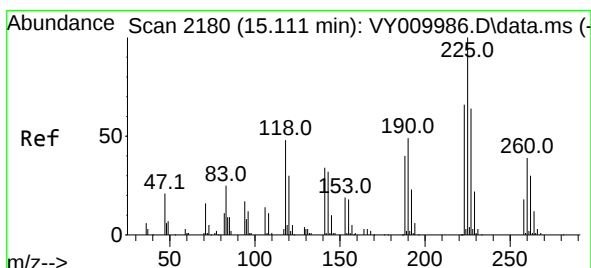
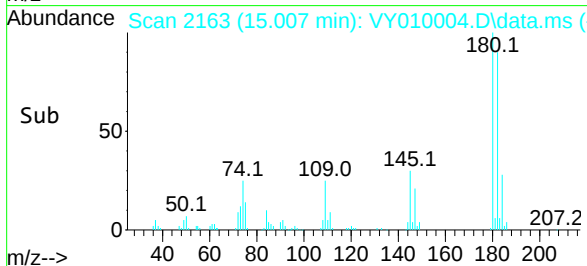
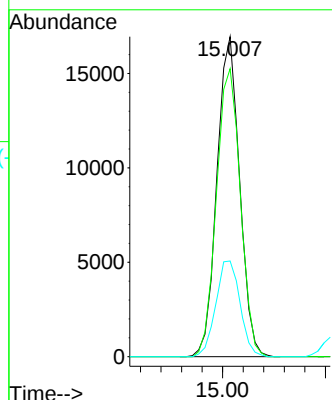
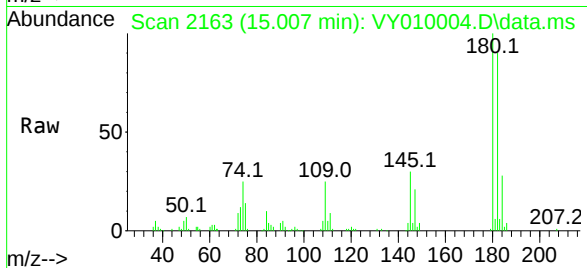
Tgt Ion:180 Resp: 25906

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.9

145 32.0 15.1 45.3



#94

Hexachlorobutadiene

Concen: 21.570 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

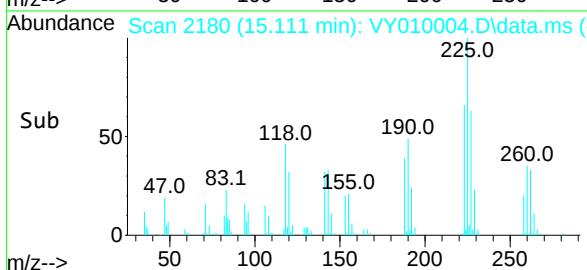
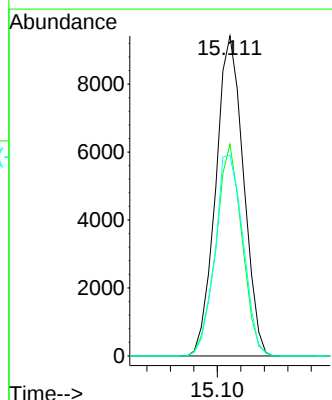
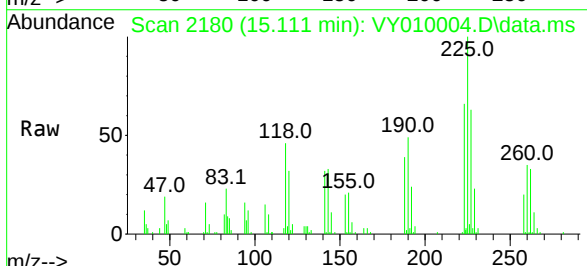
Tgt Ion:225 Resp: 15438

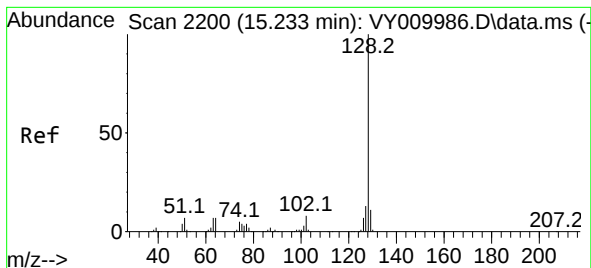
Ion Ratio Lower Upper

225 100

223 62.4 30.8 92.3

227 63.5 31.9 95.5





#95

Naphthalene

Concen: 18.782 ug/l

RT: 15.233 min Scan# 2116

Delta R.T. -0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

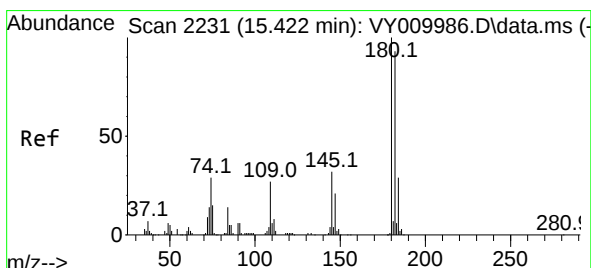
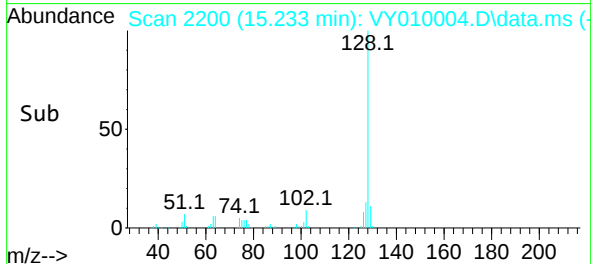
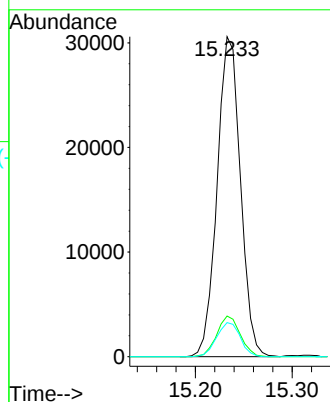
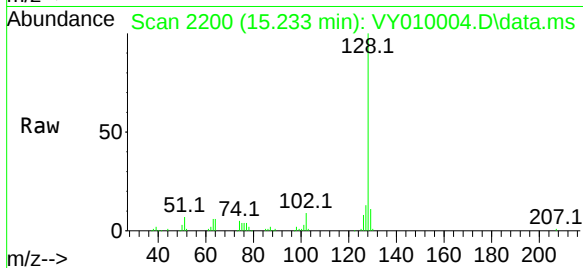
Instrument :

MSVOA\_Y

ClientSampleId :

VY0814SBS01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 51162     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.8  | 10.6 15.8 |
| 129         | 10.8  | 8.8 13.2  |



#96

1,2,3-Trichlorobenzene

Concen: 20.386 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY010004.D

Acq: 14 Aug 2022 17:52

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 23107      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.7  | 47.0 141.0 |
| 145         | 33.0  | 15.6 46.7  |

