

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050923\  
 Data File : VY013676.D  
 Acq On : 09 May 2023 18:18  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 10 05:41:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 225618   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 339139   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 310892   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 162550   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 137399   | 55.554   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 111.100% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 118368   | 55.493   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.980% |      |
| 50) Toluene-d8              | 10.179 | 98    | 395695   | 52.147   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 104.300% |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 148412   | 58.016   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 116.040% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 105607  | 49.236  | ug/l   | 100 |
| 3) Chloromethane             | 2.113 | 50  | 126639  | 44.047  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.247 | 62  | 128740  | 44.971  | ug/l   | 98  |
| 5) Bromomethane              | 2.650 | 94  | 100385  | 44.004  | ug/l   | 99  |
| 6) Chloroethane              | 2.790 | 64  | 85465   | 43.215  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 227560  | 52.473  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.528 | 74  | 73936   | 50.065  | ug/l   | 90  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 120493  | 49.534  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.088 | 142 | 138550  | 45.348  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 108918  | 390.618 | ug/l # | 89  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 110565  | 47.153  | ug/l   | 89  |
| 13) Acrolein                 | 3.729 | 56  | 50999   | 235.482 | ug/l   | 99  |
| 14) Allyl chloride           | 4.473 | 41  | 206450  | 47.451  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.161 | 53  | 230675  | 278.908 | ug/l   | 97  |
| 16) Acetone                  | 3.948 | 43  | 263343  | 270.373 | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.192 | 76  | 324653  | 42.624  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.479 | 43  | 174627  | 54.284  | ug/l   | 95  |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 365950  | 54.059  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.710 | 84  | 150268  | 49.102  | ug/l # | 85  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 128974  | 50.307  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.112 | 45  | 454526  | 53.449  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.058 | 43  | 1420137 | 294.946 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 245495  | 51.797  | ug/l   | 97  |
| 25) 2-Butanone               | 6.984 | 43  | 342197  | 277.028 | ug/l   | 92  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 220248  | 53.929  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 151332  | 53.424  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.332 | 49  | 90155   | 53.604  | ug/l   | 84  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 209082  | 271.919 | ug/l   | 93  |
| 30) Chloroform               | 7.503 | 83  | 264132  | 56.052  | ug/l   | 97  |
| 31) Cyclohexane              | 7.783 | 56  | 198979  | 44.935  | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 230537  | 54.824  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 184138  | 52.016  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.076 | 43  | 149232  | 56.018  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 209719  | 56.522  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.179 | 83  | 210667  | 50.479  | ug/l   | 97  |
| 40) Benzene                  | 8.155 | 78  | 544089  | 54.562  | ug/l   | 98  |

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 Acq On : 09 May 2023 18:18  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 10 05:41:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 74469    | 59.987   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 191598   | 58.770   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 248621   | 55.291   | ug/l   | 97       |
| 44) Trichloroethene           | 8.935  | 130  | 144613   | 54.519   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 145941   | 55.974   | ug/l   | 100      |
| 46) Dibromomethane            | 9.301  | 93   | 87717    | 56.227   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 204349   | 58.539   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 115625   | 55.989   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 26162    | 1174.196 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 735261   | 293.436  | ug/l   | 96       |
| 52) Toluene                   | 10.240 | 92   | 339650   | 56.601   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 213058   | 57.669   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 231773   | 55.753   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 118173   | 57.200   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 170409   | 59.455   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 204179   | 58.355   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 291874   | 271.565  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 536766   | 294.693  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.984 | 129  | 148409   | 59.161   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 115138   | 56.685   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 126061   | 53.324   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 365512   | 53.971   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 144398   | 57.010   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 658549   | 55.376   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 499573   | 110.502  | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 236246   | 55.254   | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 413691   | 57.867   | ug/l   | 100      |
| 71) Bromoform                 | 12.203 | 173  | 105360   | 59.387   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 627353   | 51.026   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 217727   | 49.764   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 154501   | 51.412   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 203328   | 92.751   | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 158712   | 53.276   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.666 | 91   | 769118   | 50.788   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 433442   | 51.254   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 523119   | 52.130   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 54430    | 50.789   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 450767   | 51.141   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 454718   | 52.303   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 520056   | 53.305   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 665479   | 51.003   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 548387   | 52.263   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 299153   | 52.709   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 294755   | 51.412   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.697 | 91   | 515159   | 50.303   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 108690   | 49.217   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 271716   | 53.015   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 27120    | 51.098   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 161270   | 52.777   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 96127    | 54.054   | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 353952   | 53.387   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 149087   | 54.741   | ug/l   | 99       |

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Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

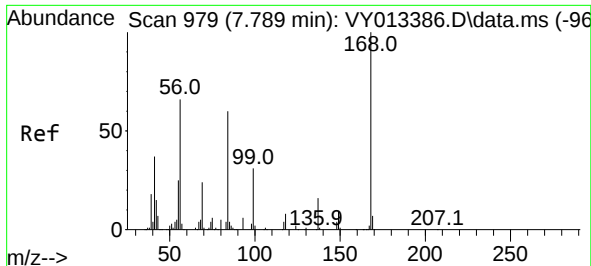
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 10 05:41:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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

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

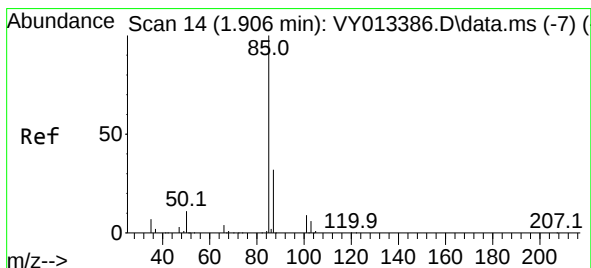
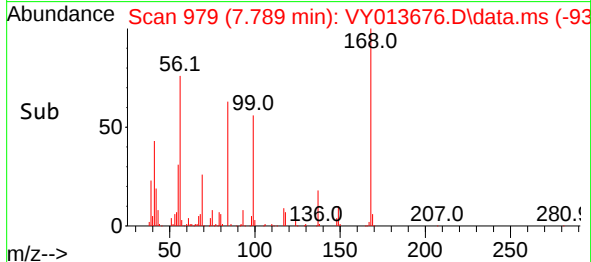
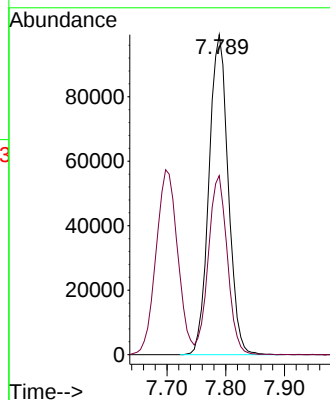
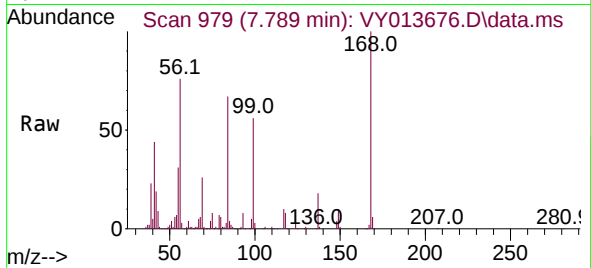




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

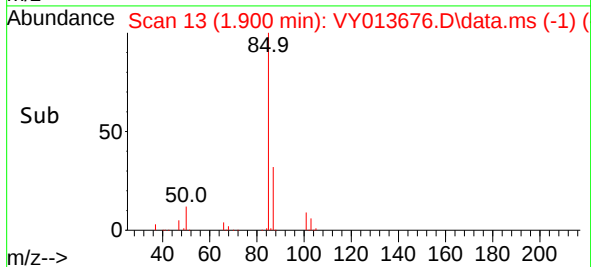
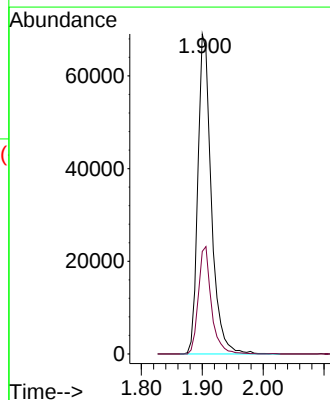
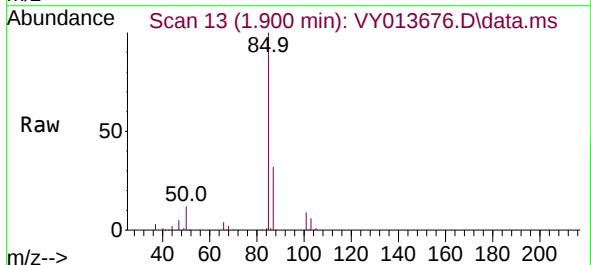
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 225618  
Ion Ratio Lower Upper  
168 100  
99 55.9 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 49.236 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 85 Resp: 105607  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.1 48.2

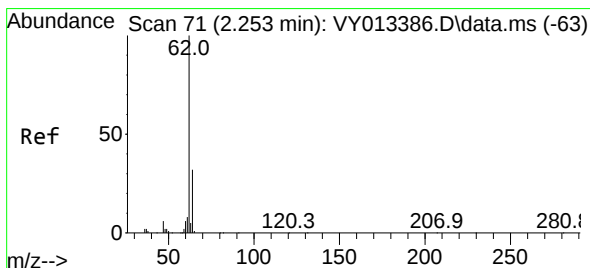
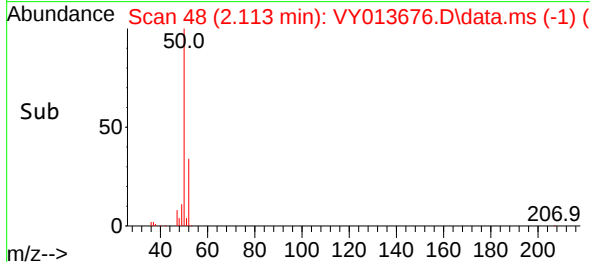
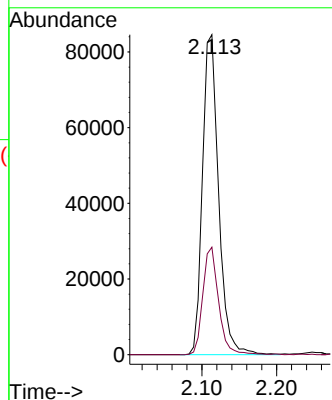
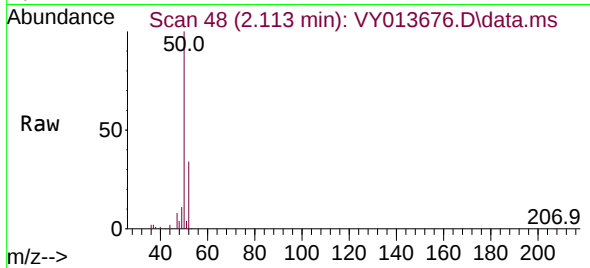




#3  
Chloromethane  
Concen: 44.047 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

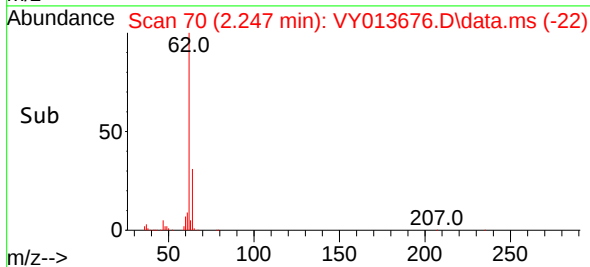
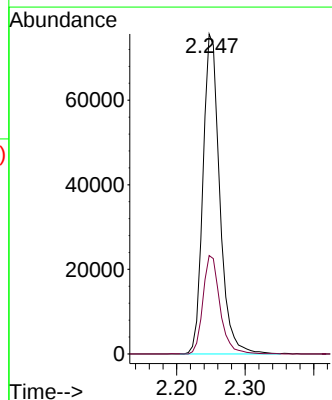
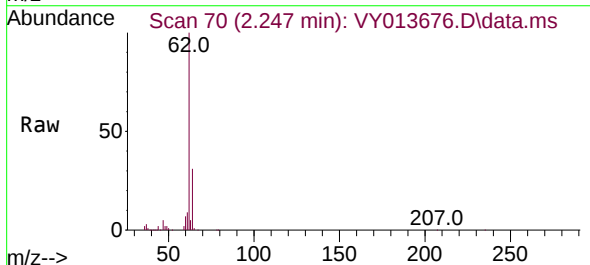
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

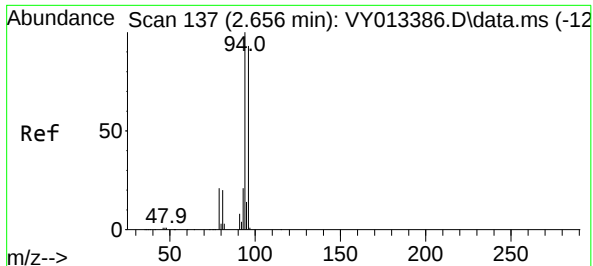
Tgt Ion: 50 Resp: 126639  
Ion Ratio Lower Upper  
50 100  
52 33.6 25.9 38.9



#4  
Vinyl Chloride  
Concen: 44.971 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 62 Resp: 128740  
Ion Ratio Lower Upper  
62 100  
64 30.7 25.4 38.0

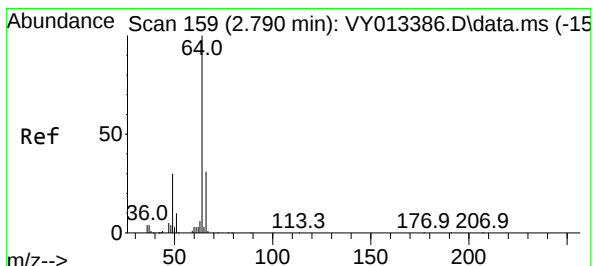
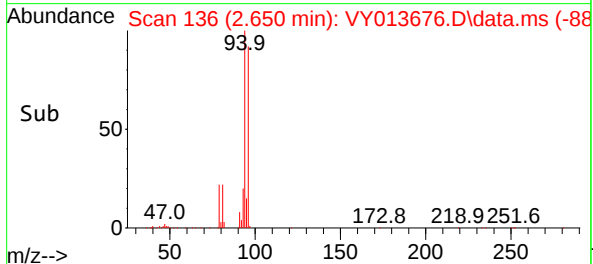
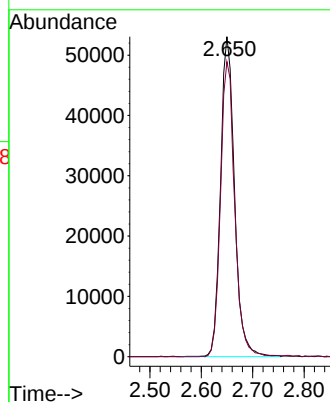
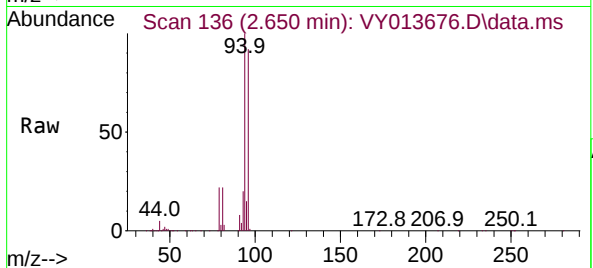




#5  
Bromomethane  
Concen: 44.004 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

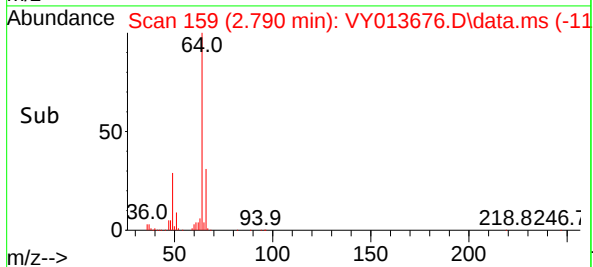
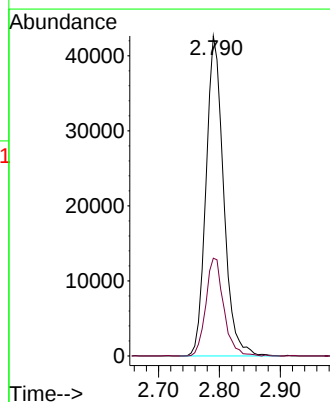
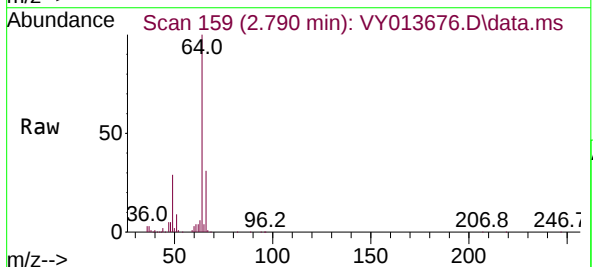
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

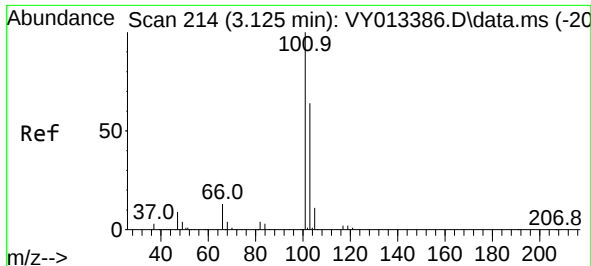
Tgt Ion: 94 Resp: 100385  
Ion Ratio Lower Upper  
94 100  
96 92.2 74.2 111.2



#6  
Chloroethane  
Concen: 43.215 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 64 Resp: 85465  
Ion Ratio Lower Upper  
64 100  
66 30.6 24.6 37.0

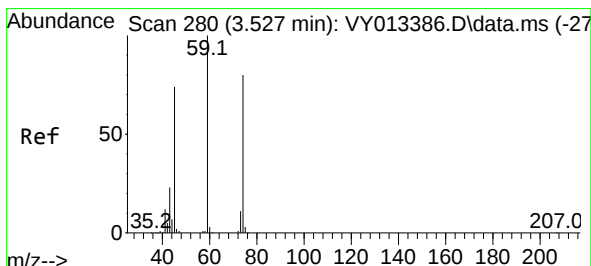
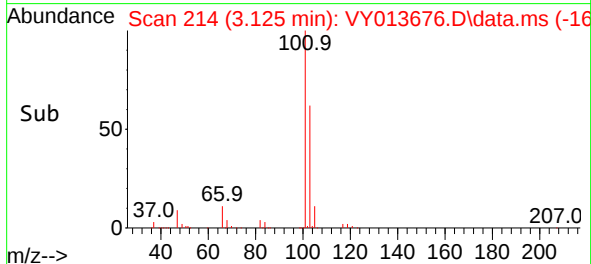
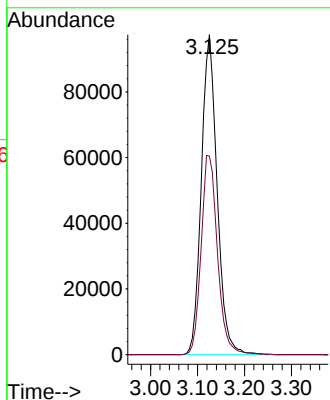
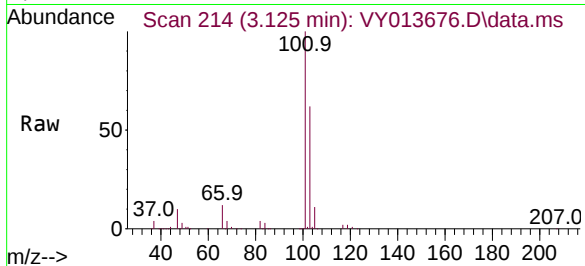




#7  
 Trichlorofluoromethane  
 Concen: 52.473 ug/l  
 RT: 3.125 min Scan# 214  
 Delta R.T. 0.000 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

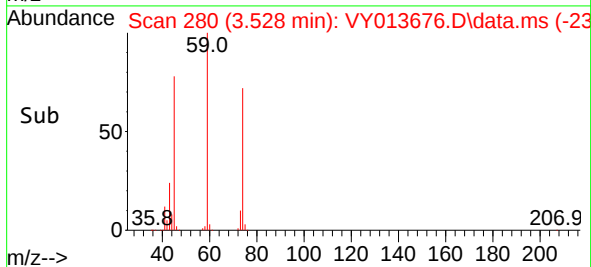
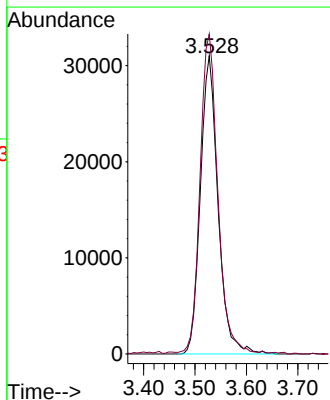
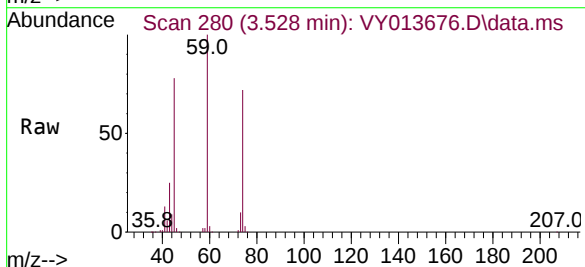
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 ClientSampleId :  
 VSTDCCC050EC

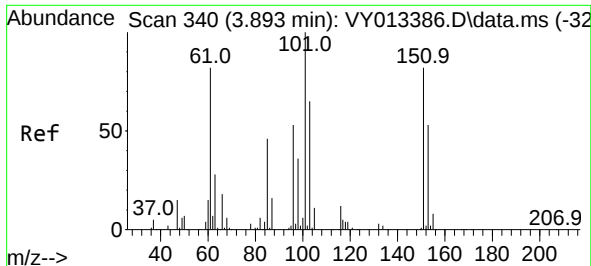
Tgt Ion:101 Resp: 227560  
 Ion Ratio Lower Upper  
 101 100  
 103 62.1 51.6 77.4



#8  
 Diethyl Ether  
 Concen: 50.065 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. 0.001 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

Tgt Ion: 74 Resp: 73936  
 Ion Ratio Lower Upper  
 74 100  
 45 106.0 48.2 144.6

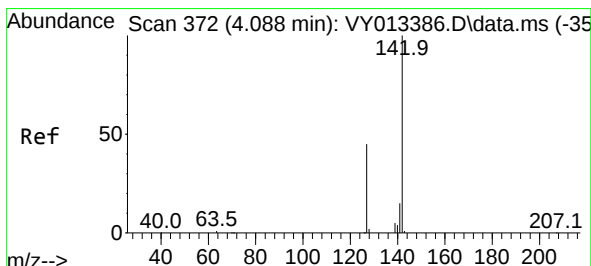
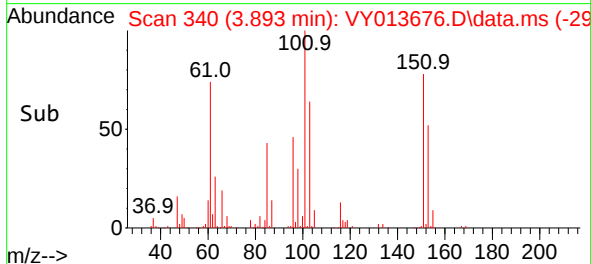
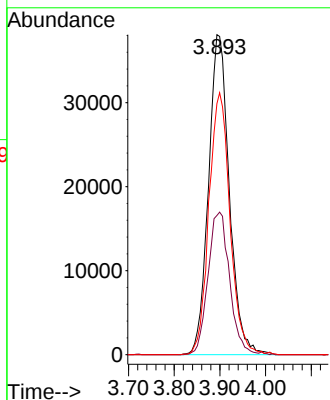
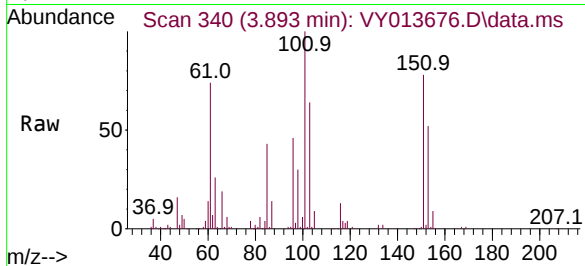




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.534 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

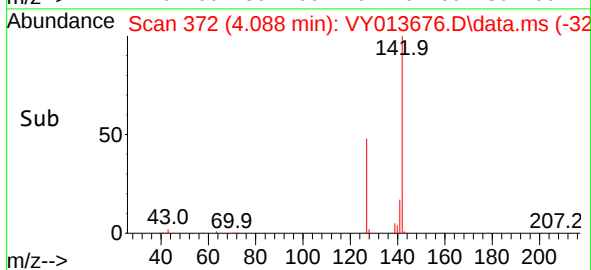
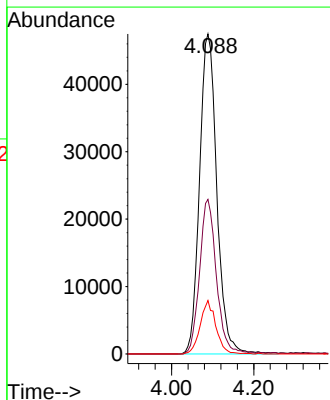
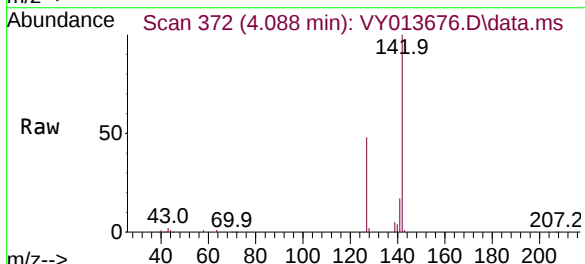
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 120493  
Ion Ratio Lower Upper  
101 100  
85 46.1 35.6 53.4  
151 83.0 68.0 102.0



#10  
Methyl Iodide  
Concen: 45.348 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion:142 Resp: 138550  
Ion Ratio Lower Upper  
142 100  
127 47.0 36.1 54.1  
141 15.2 11.6 17.4

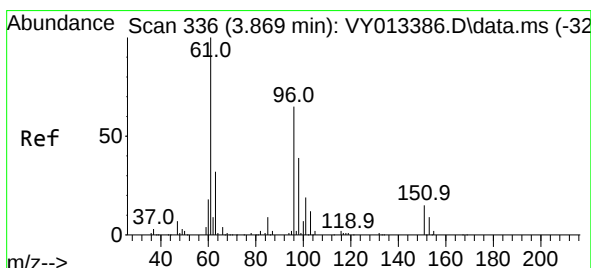
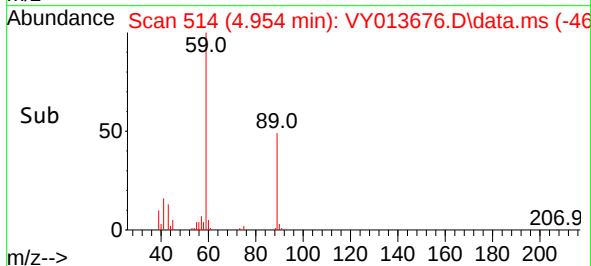
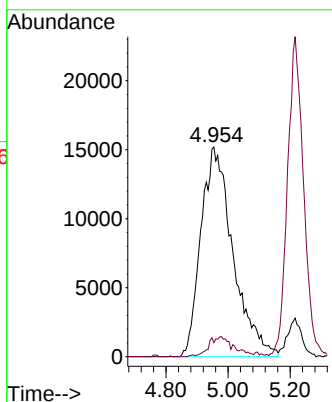
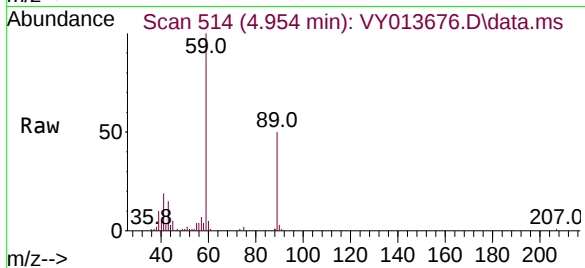




#11  
Tert butyl alcohol  
Concen: 390.618 ug/l  
RT: 4.954 min Scan# 518  
Delta R.T. -0.024 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

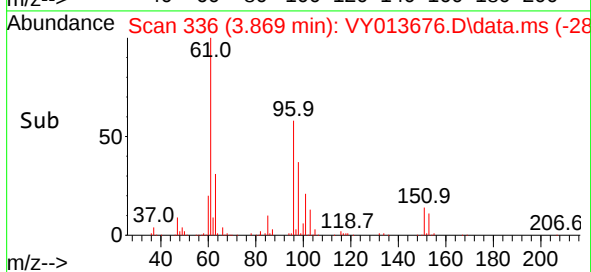
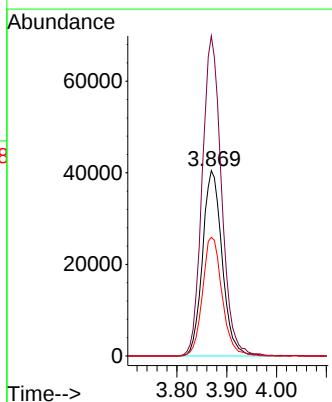
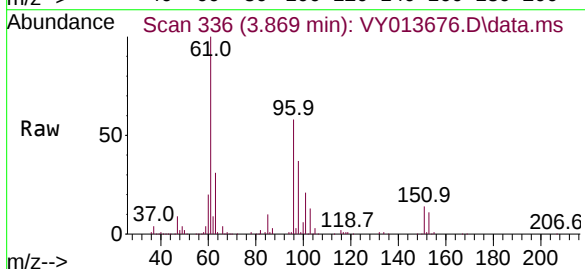
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

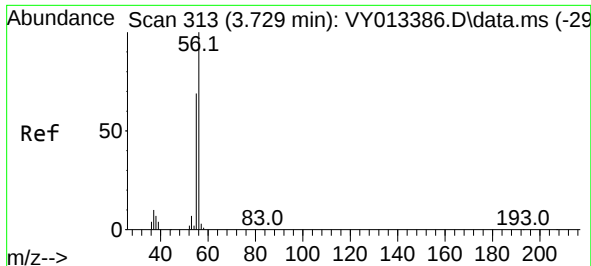
Tgt Ion: 59 Resp: 108918  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 47.153 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 96 Resp: 110565  
Ion Ratio Lower Upper  
96 100  
61 172.7 123.9 185.9  
98 64.1 48.9 73.3





#13

Acrolein

Concen: 235.482 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

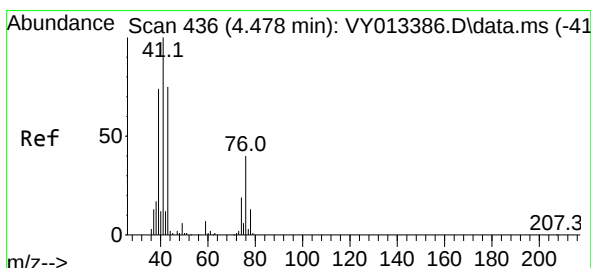
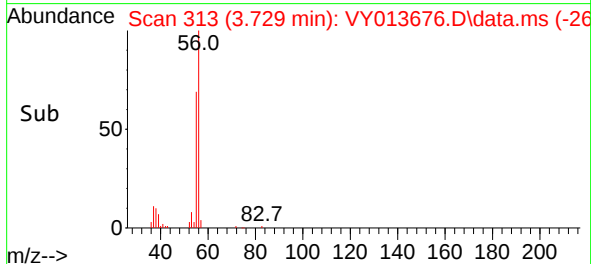
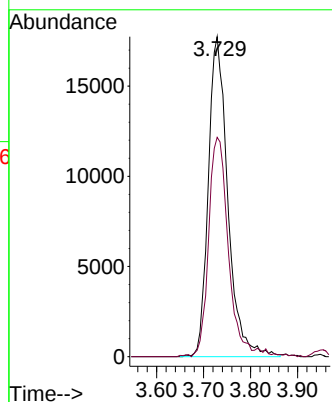
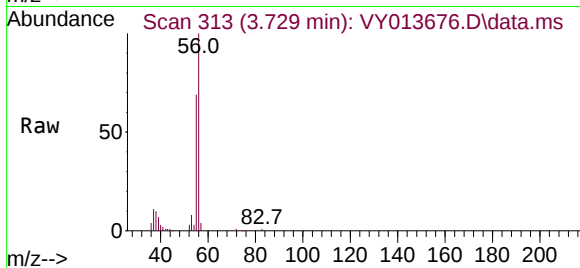
VSTDCCC050EC

Tgt Ion: 56 Resp: 50999

Ion Ratio Lower Upper

56 100

55 68.6 54.1 81.1



#14

Allyl chloride

Concen: 47.451 ug/l

RT: 4.473 min Scan# 435

Delta R.T. -0.005 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

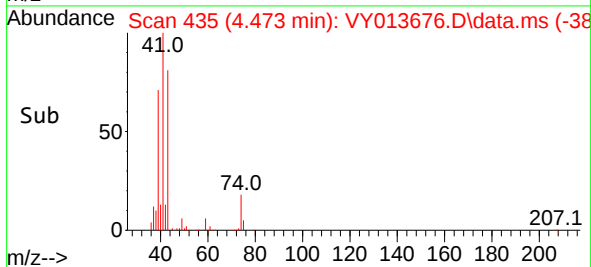
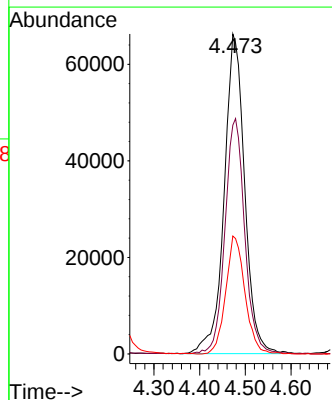
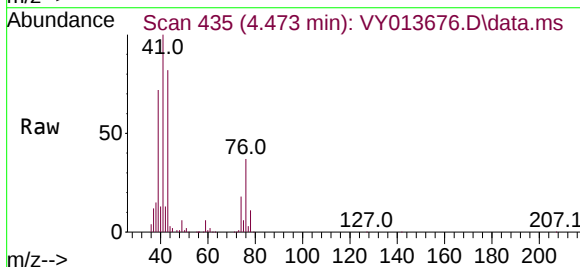
Tgt Ion: 41 Resp: 206450

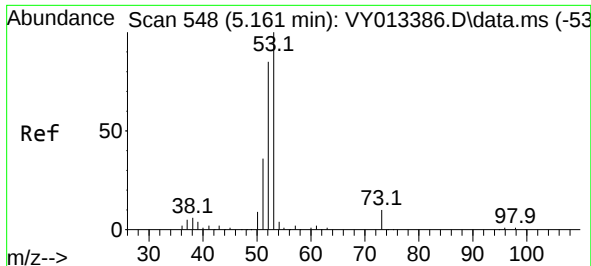
Ion Ratio Lower Upper

41 100

39 70.9 56.6 85.0

76 34.7 30.5 45.7

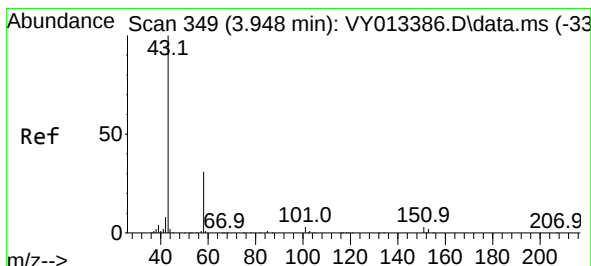
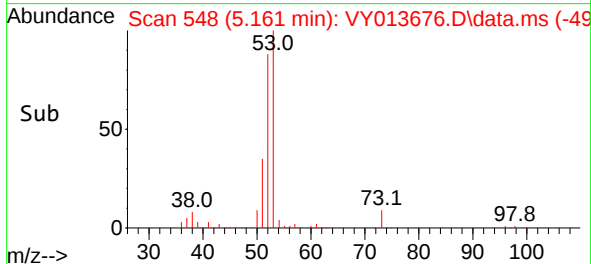
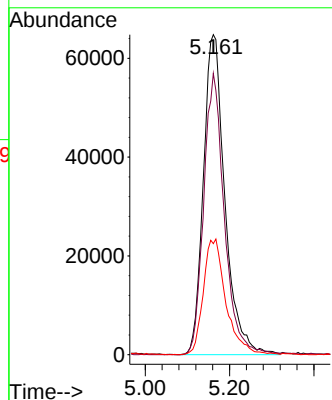
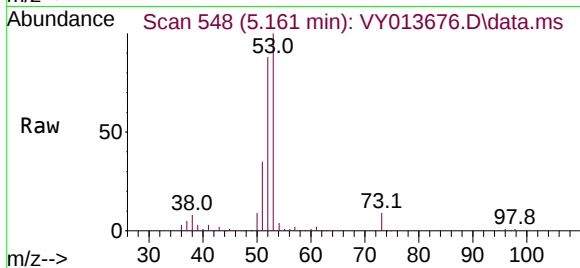




#15  
Acrylonitrile  
Concen: 278.908 ug/l  
RT: 5.161 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

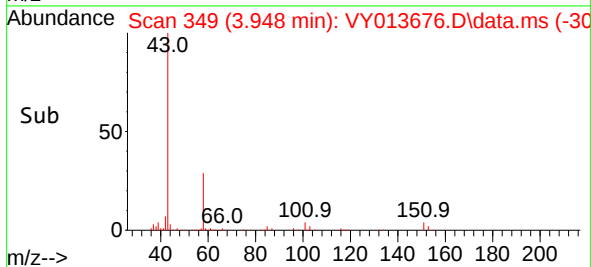
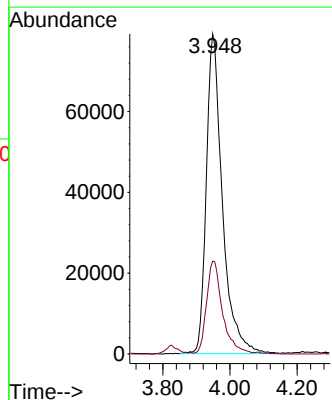
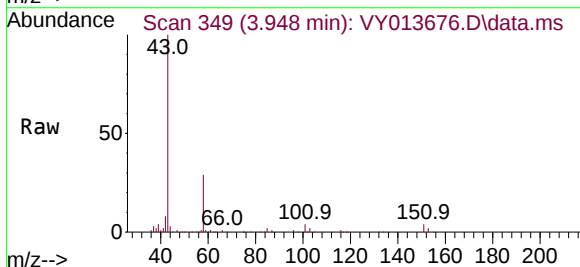
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

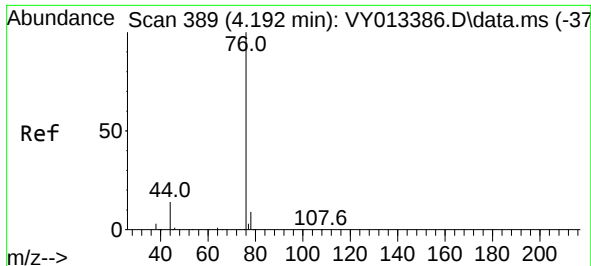
Tgt Ion: 53 Resp: 230675  
Ion Ratio Lower Upper  
53 100  
52 84.1 65.4 98.0  
51 37.9 29.3 43.9



#16  
Acetone  
Concen: 270.373 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 43 Resp: 263343  
Ion Ratio Lower Upper  
43 100  
58 28.9 25.4 38.0

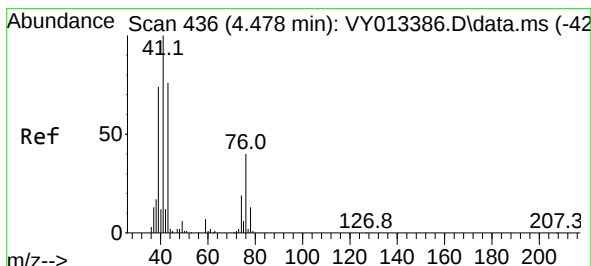
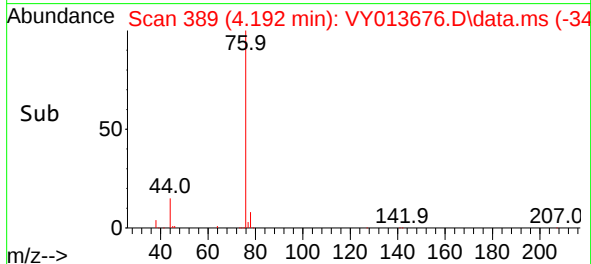
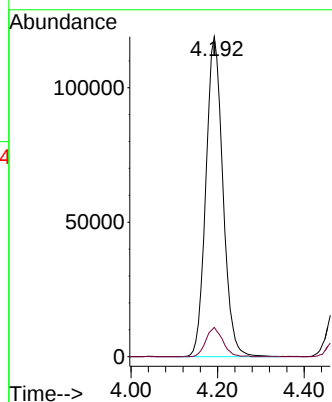
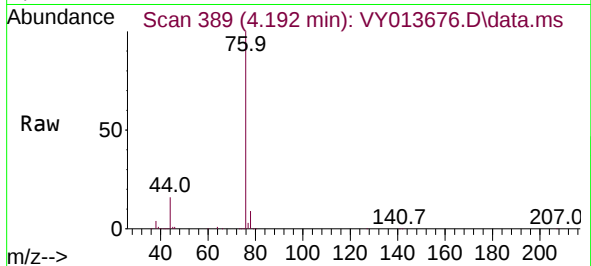




#17  
Carbon Disulfide  
Concen: 42.624 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

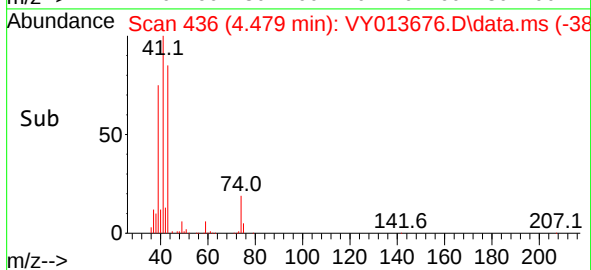
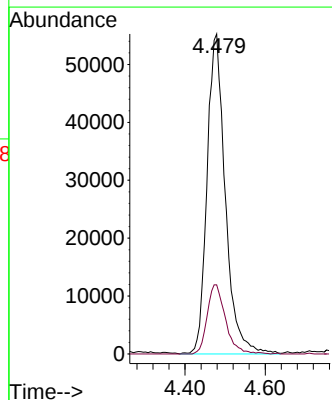
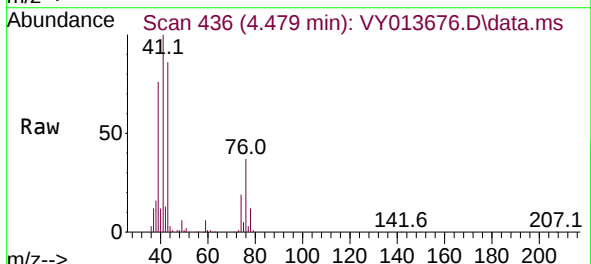
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

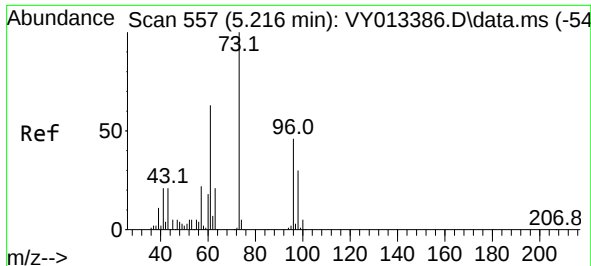
Tgt Ion: 76 Resp: 324653  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.2 10.8



#18  
Methyl Acetate  
Concen: 54.284 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 43 Resp: 174627  
Ion Ratio Lower Upper  
43 100  
74 21.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 54.059 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

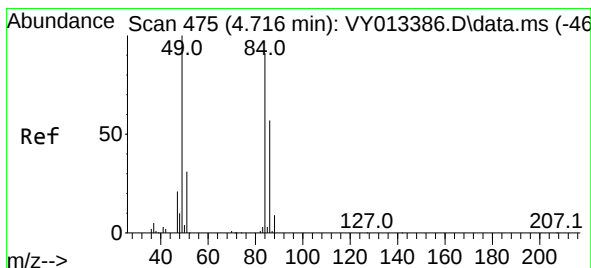
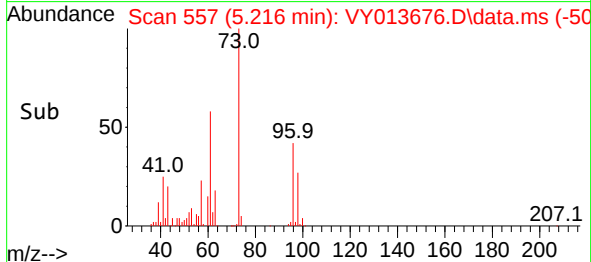
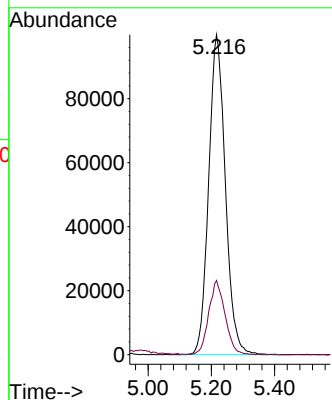
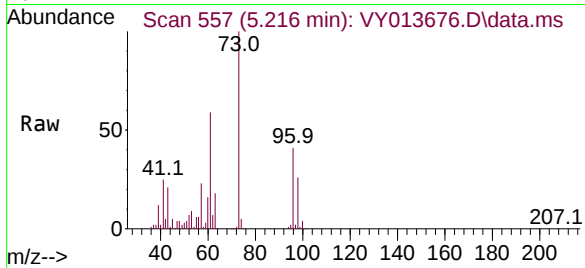
VSTDCCC050EC

Tgt Ion: 73 Resp: 365950

Ion Ratio Lower Upper

73 100

57 23.2 17.8 26.8



#20

Methylene Chloride

Concen: 49.102 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Tgt Ion: 84 Resp: 150268

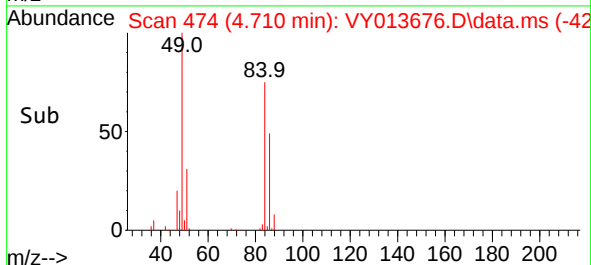
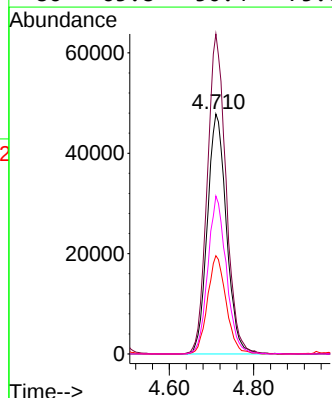
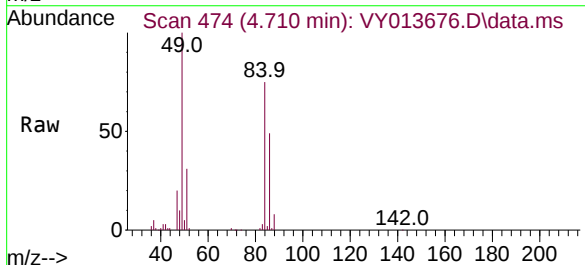
Ion Ratio Lower Upper

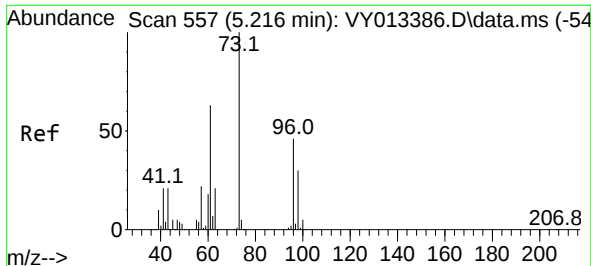
84 100

49 133.3 88.0 132.0#

51 40.9 27.4 41.0

86 65.8 50.4 75.6

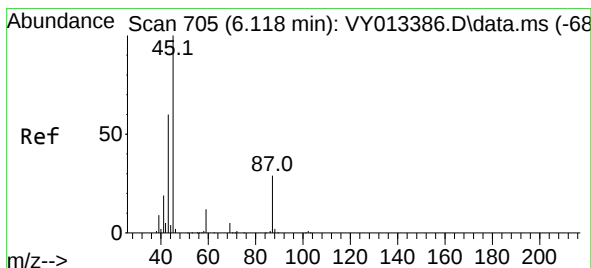
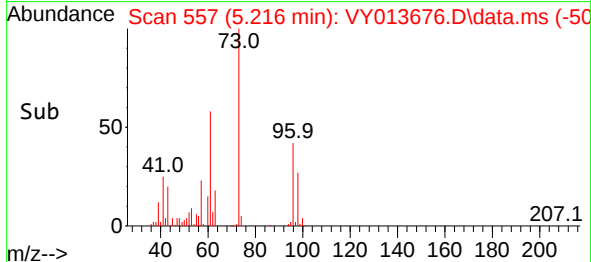
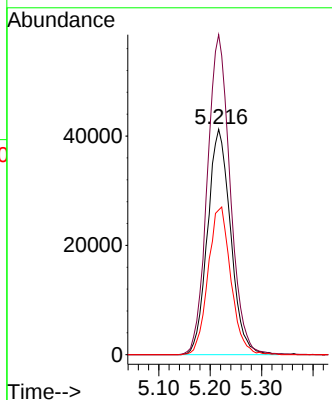
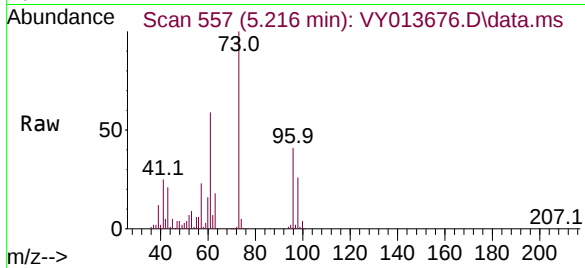




#21  
trans-1,2-Dichloroethene  
Concen: 50.307 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

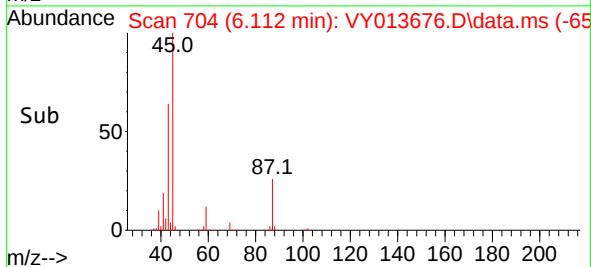
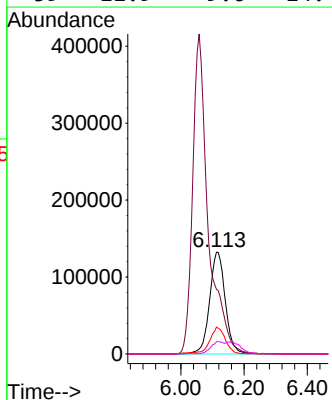
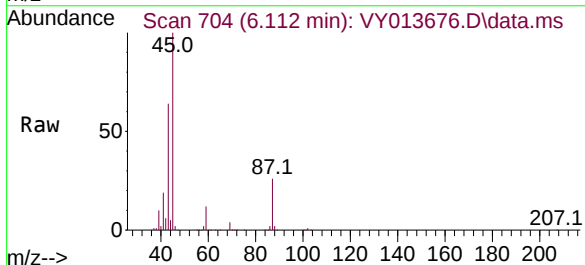
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 96 Resp: 128974  
Ion Ratio Lower Upper  
96 100  
61 141.9 110.6 165.8  
98 64.2 53.1 79.7



#22  
Diisopropyl ether  
Concen: 53.449 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 45 Resp: 454526  
Ion Ratio Lower Upper  
45 100  
43 63.4 48.4 72.6  
87 26.4 23.8 35.6  
59 11.9 9.6 14.4

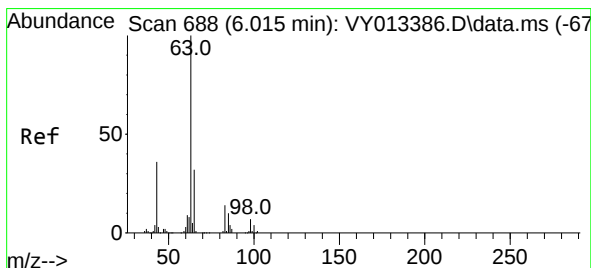
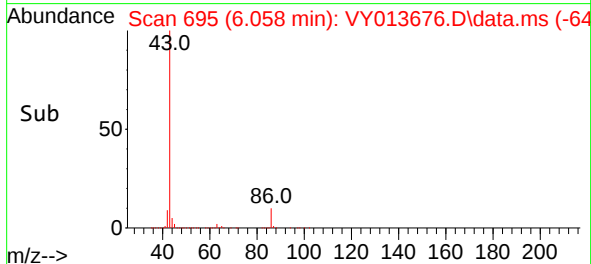
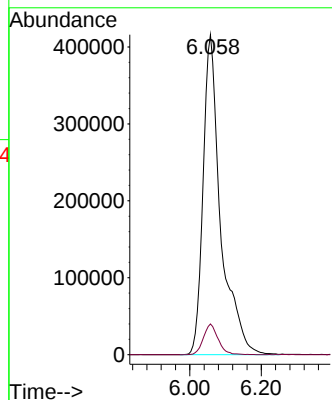
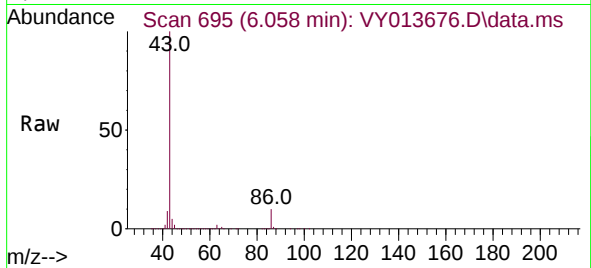




#23  
 Vinyl Acetate  
 Concen: 294.946 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. 0.001 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

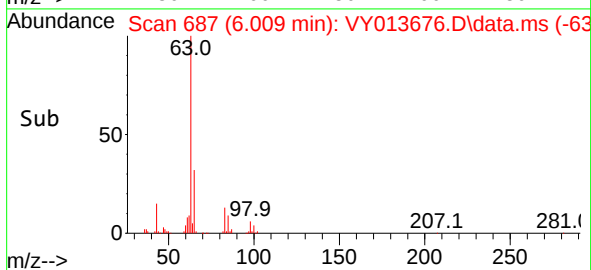
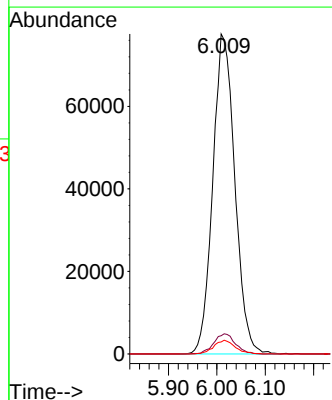
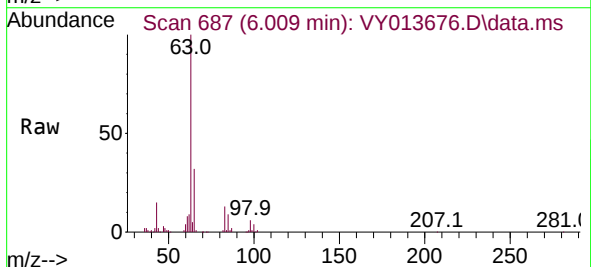
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

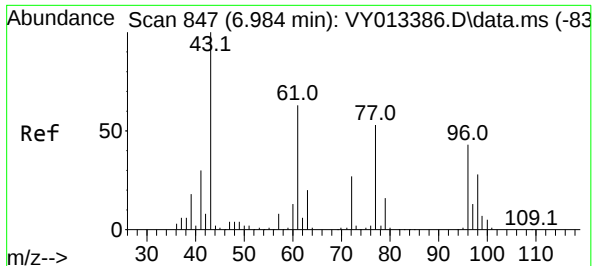
Tgt Ion: 43 Resp: 1420137  
 Ion Ratio Lower Upper  
 43 100  
 86 9.6 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 51.797 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

Tgt Ion: 63 Resp: 245495  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.5 10.6  
 100 3.8 2.2 6.6





#25

2-Butanone

Concen: 277.028 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

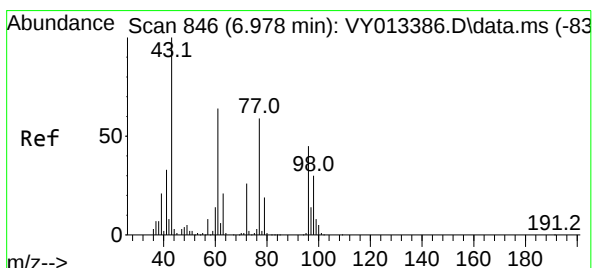
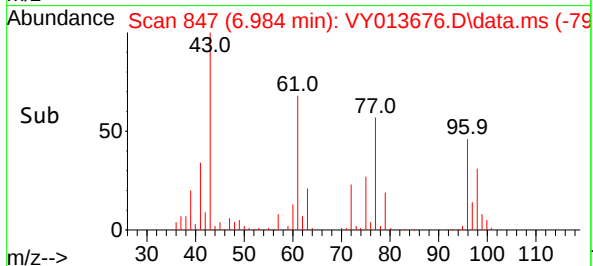
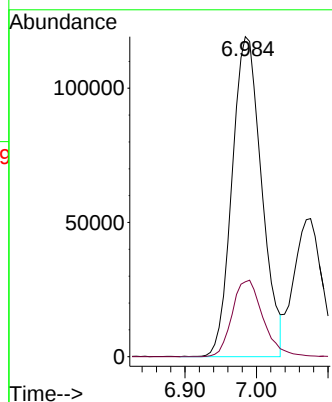
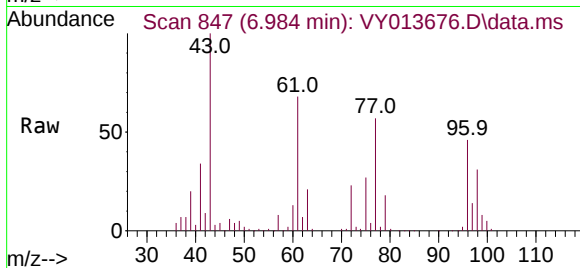
VSTDCCC050EC

Tgt Ion: 43 Resp: 342197

Ion Ratio Lower Upper

43 100

72 23.4 21.9 32.9



#26

2,2-Dichloropropane

Concen: 53.929 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY013676.D

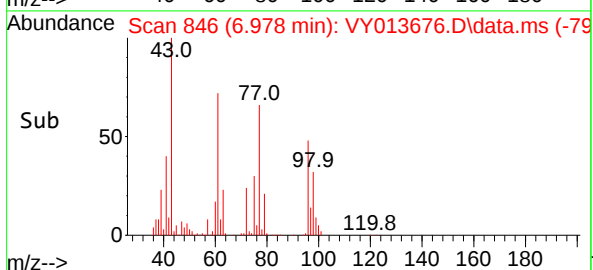
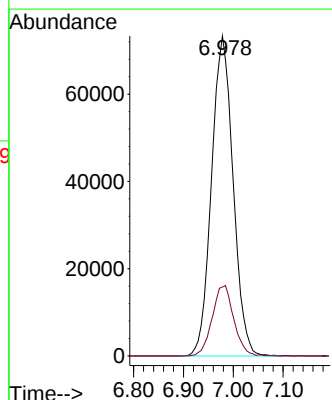
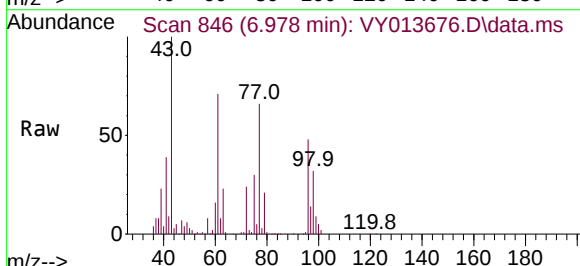
Acq: 09 May 2023 18:18

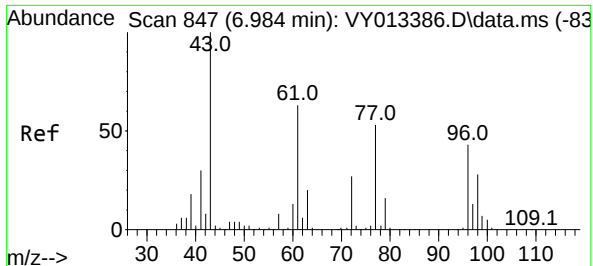
Tgt Ion: 77 Resp: 220248

Ion Ratio Lower Upper

77 100

97 22.0 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 53.424 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

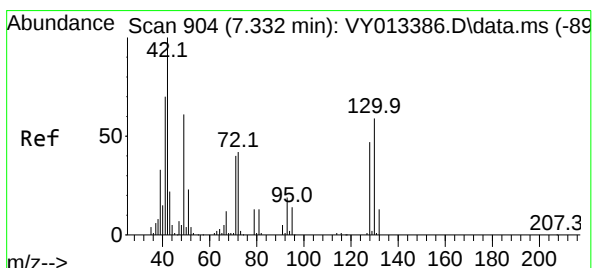
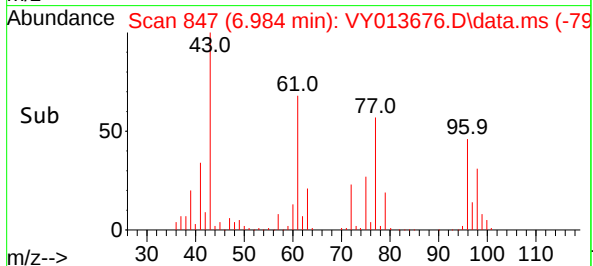
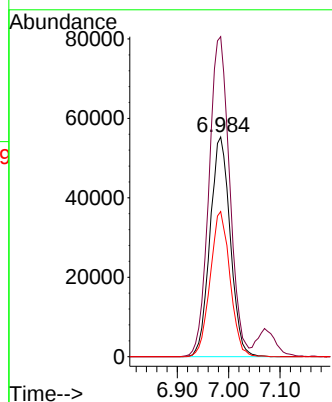
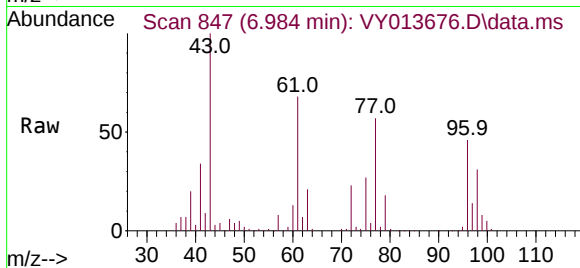
Tgt Ion: 96 Resp: 151332

Ion Ratio Lower Upper

96 100

61 149.0 0.0 285.0

98 64.9 0.0 130.6



#28

Bromochloromethane

Concen: 53.604 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

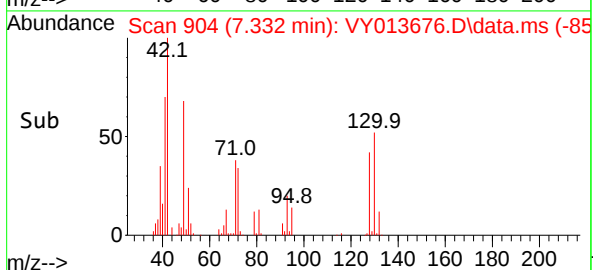
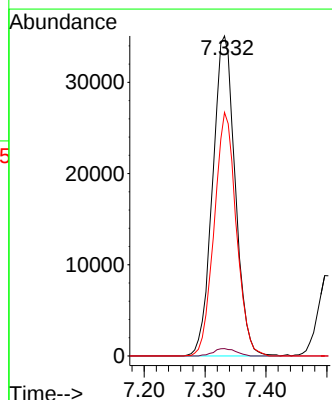
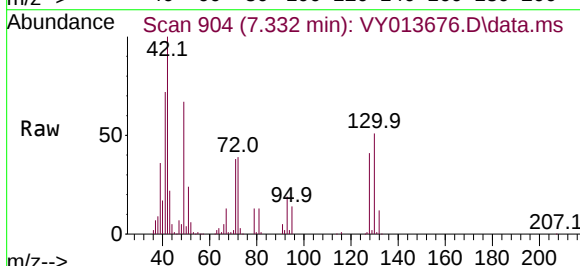
Tgt Ion: 49 Resp: 90155

Ion Ratio Lower Upper

49 100

129 2.3 0.0 5.2

130 74.6 72.1 108.1





#29

Tetrahydrofuran

Concen: 271.919 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

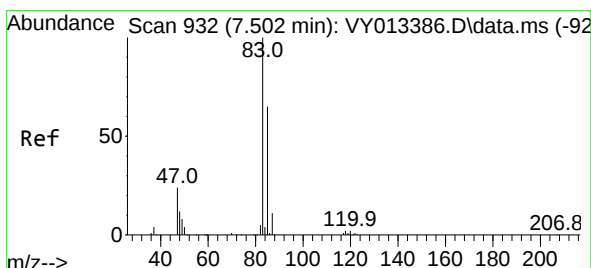
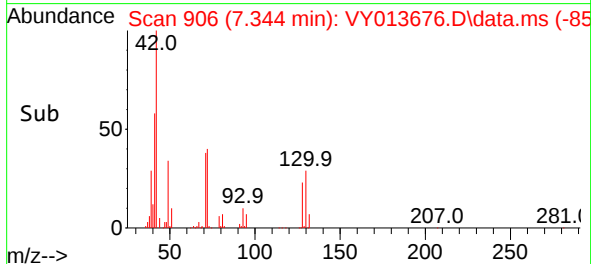
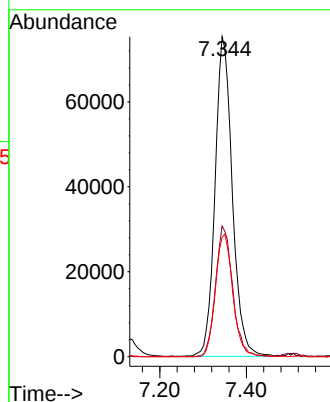
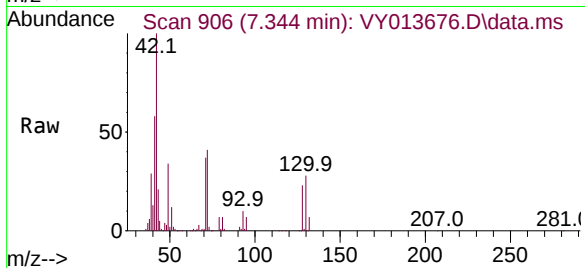
Tgt Ion: 42 Resp: 209082

Ion Ratio Lower Upper

42 100

72 40.5 35.9 53.9

71 38.6 34.3 51.5



#30

Chloroform

Concen: 56.052 ug/l

RT: 7.503 min Scan# 932

Delta R.T. 0.001 min

Lab File: VY013676.D

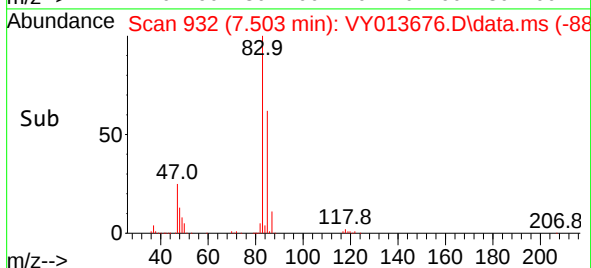
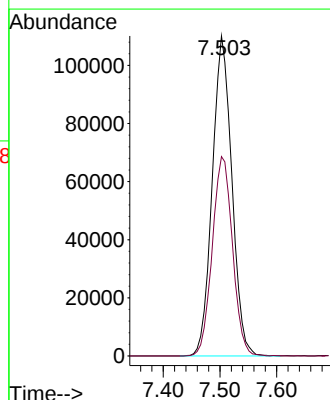
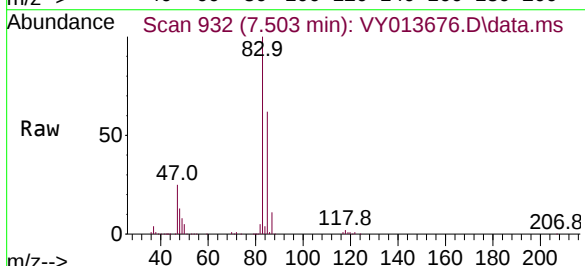
Acq: 09 May 2023 18:18

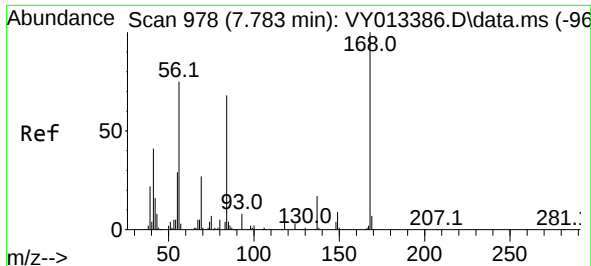
Tgt Ion: 83 Resp: 264132

Ion Ratio Lower Upper

83 100

85 62.3 52.0 78.0

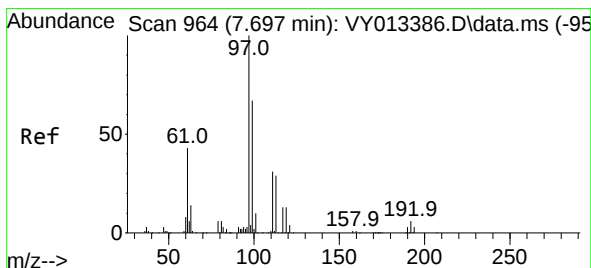
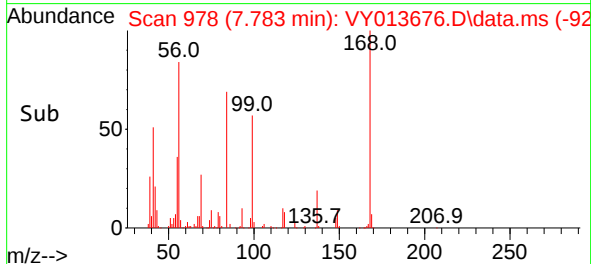
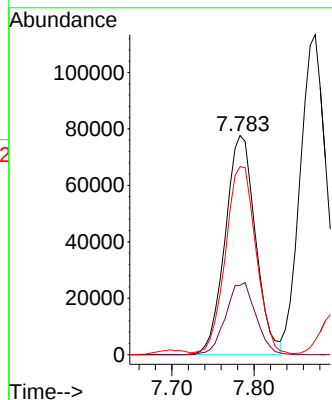
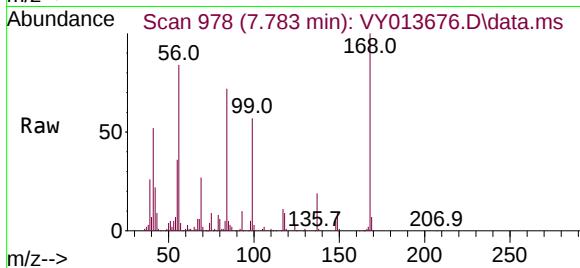




#31  
Cyclohexane  
Concen: 44.935 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

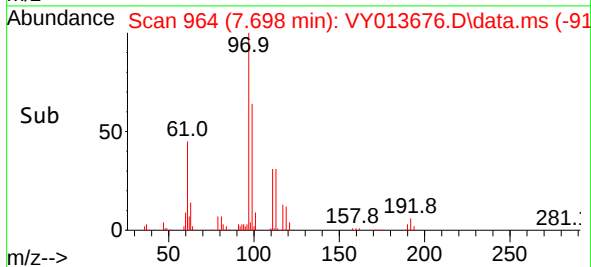
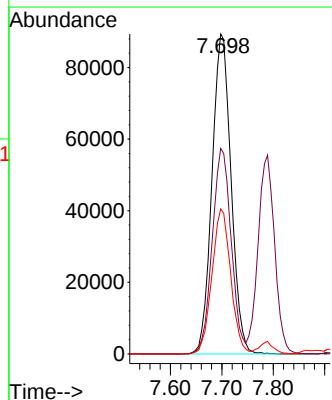
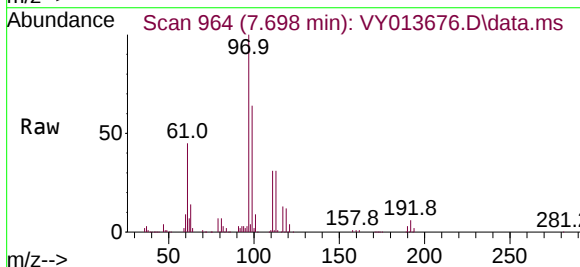
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

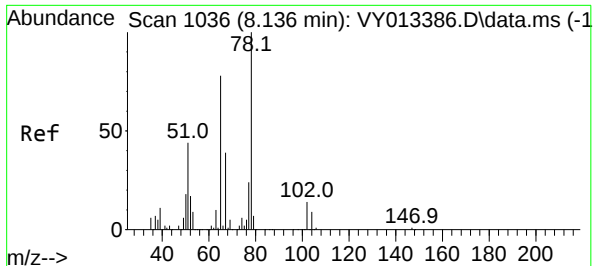
Tgt Ion: 56 Resp: 198979  
Ion Ratio Lower Upper  
56 100  
69 31.7 29.2 43.8  
84 84.0 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 54.824 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.001 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 97 Resp: 230537  
Ion Ratio Lower Upper  
97 100  
99 63.9 52.2 78.2  
61 44.7 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 55.554 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

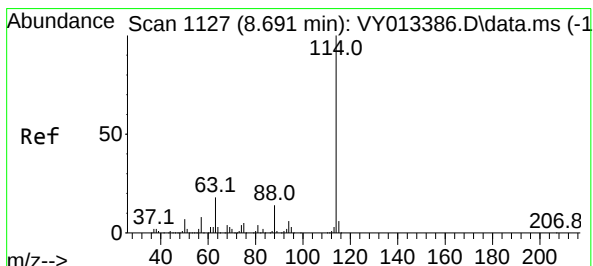
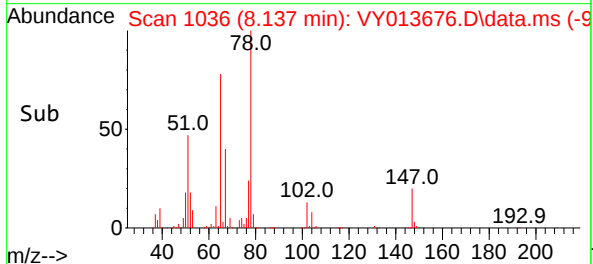
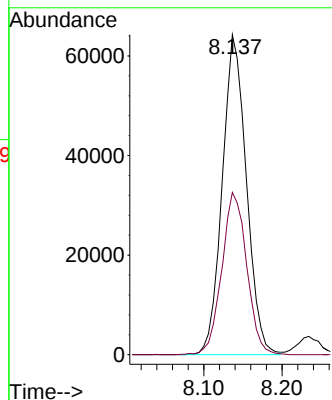
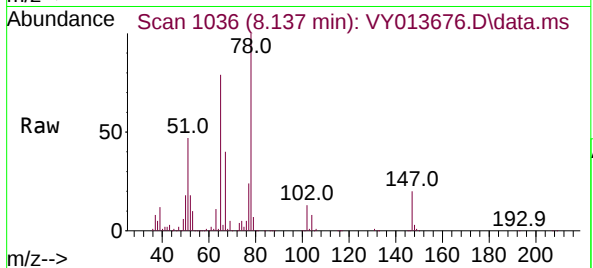
VSTDCCC050EC

Tgt Ion: 65 Resp: 137399

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

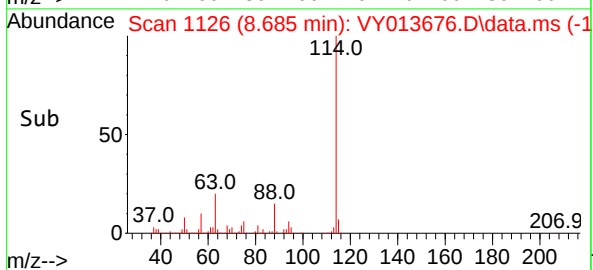
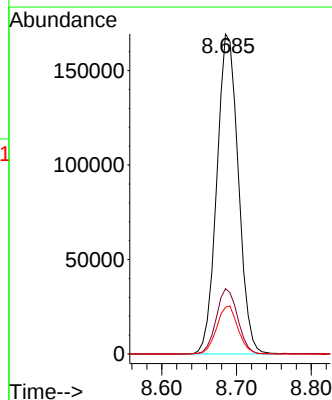
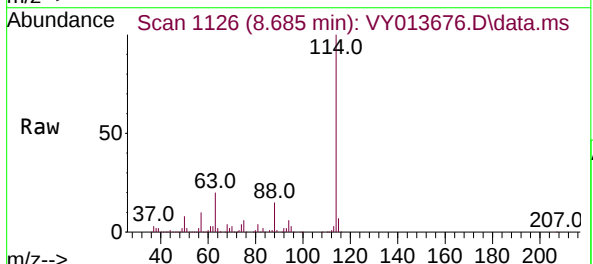
Tgt Ion: 114 Resp: 339139

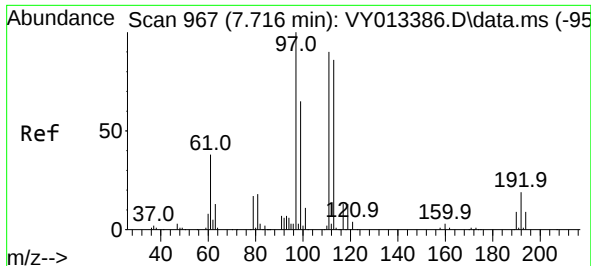
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.6

88 14.6 0.0 28.8

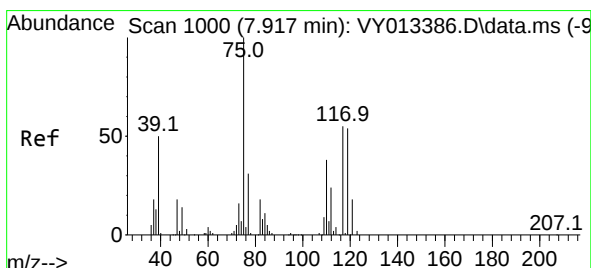
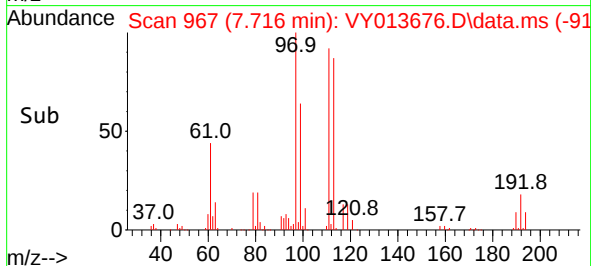
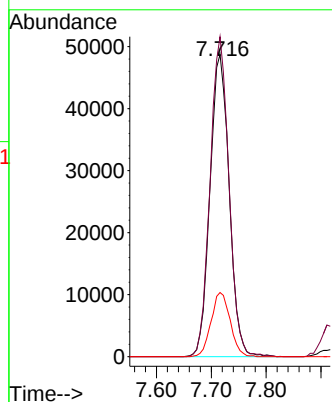
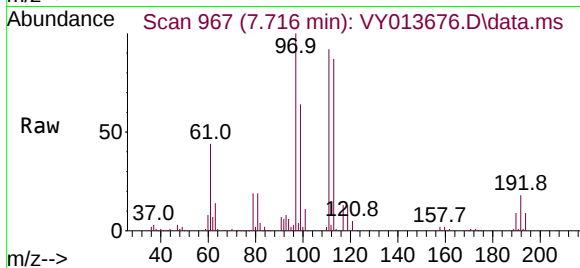




#35  
Dibromofluoromethane  
Concen: 55.493 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

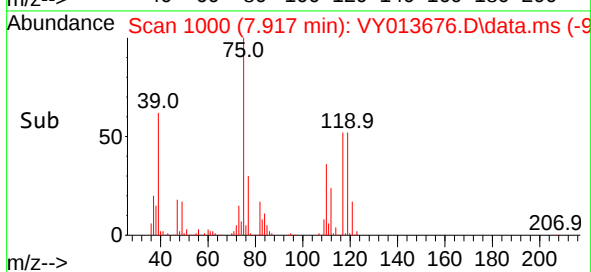
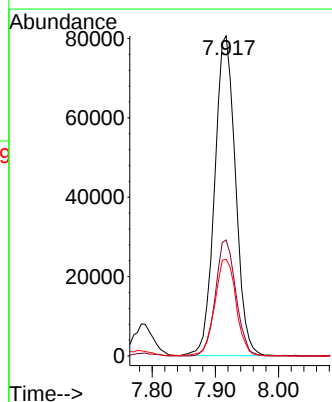
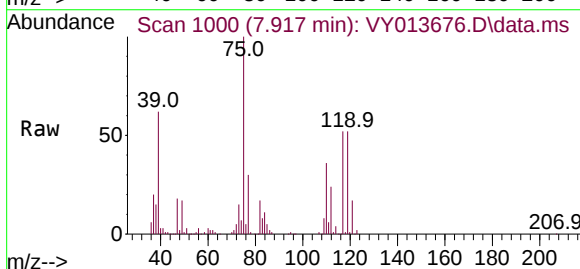
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

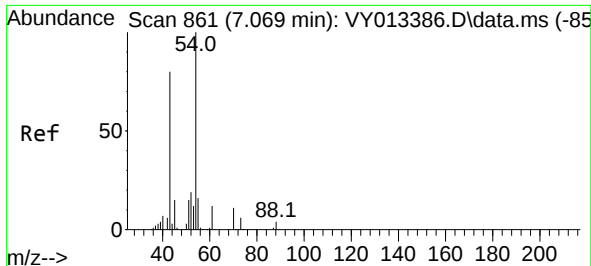
Tgt Ion:113 Resp: 118368  
Ion Ratio Lower Upper  
113 100  
111 103.9 82.2 123.2  
192 21.1 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 52.016 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 75 Resp: 184138  
Ion Ratio Lower Upper  
75 100  
110 35.6 18.7 56.1  
77 31.2 24.6 37.0





#37

Ethyl Acetate

Concen: 56.018 ug/l

RT: 7.076 min Scan# 861

Delta R.T. 0.007 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

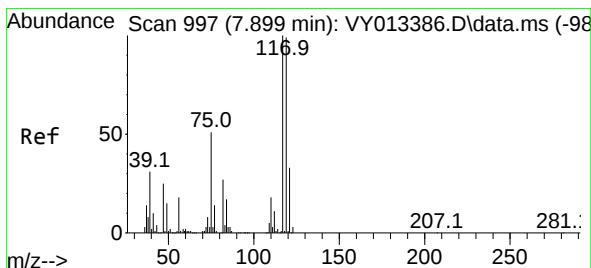
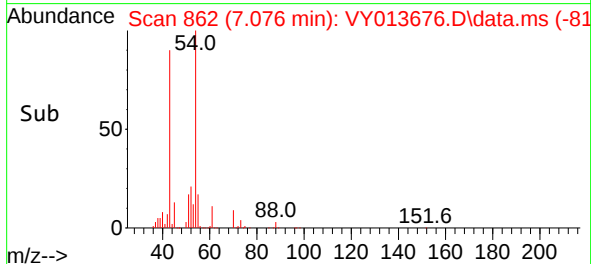
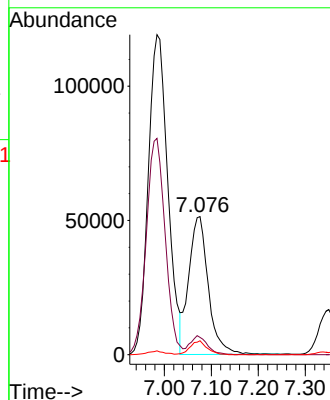
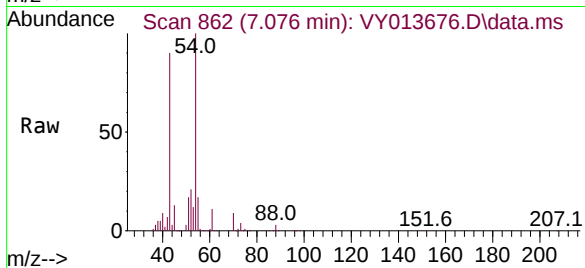
Tgt Ion: 43 Resp: 149232

Ion Ratio Lower Upper

43 100

61 12.1 11.4 17.0

70 8.6 7.9 11.9



#38

Carbon Tetrachloride

Concen: 56.522 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

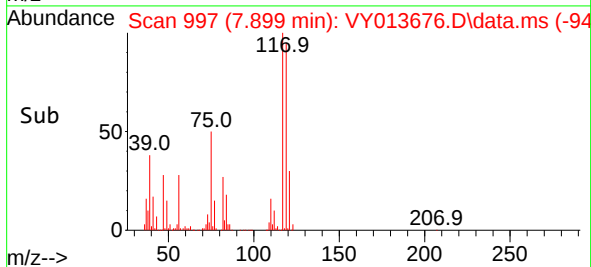
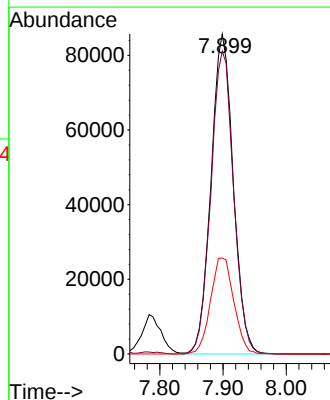
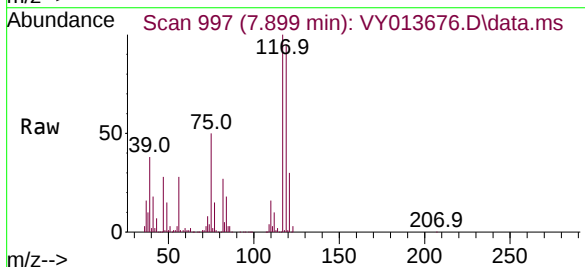
Tgt Ion: 117 Resp: 209719

Ion Ratio Lower Upper

117 100

119 94.6 79.0 118.6

121 30.0 26.6 40.0





#39

Methylcyclohexane

Concen: 50.479 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

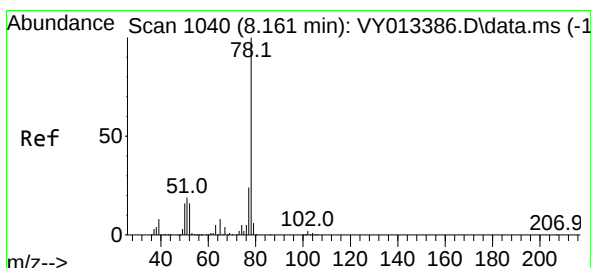
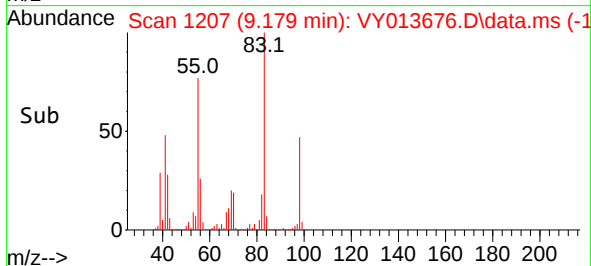
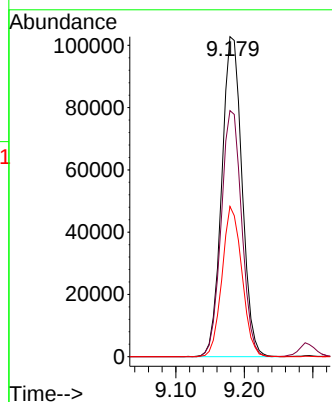
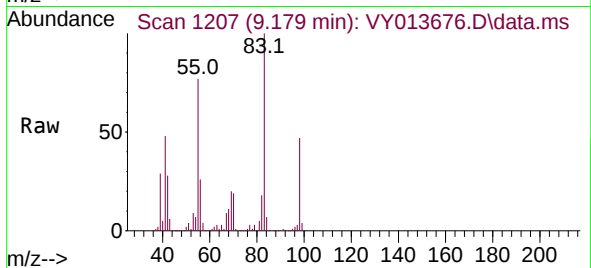
Tgt Ion: 83 Resp: 210667

Ion Ratio Lower Upper

83 100

55 76.9 59.0 88.4

98 47.0 37.0 55.4



#40

Benzene

Concen: 54.562 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013676.D

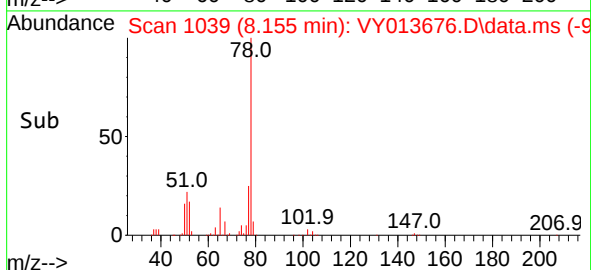
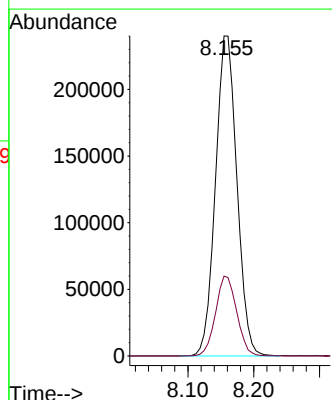
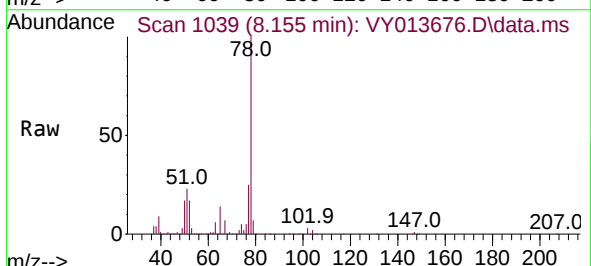
Acq: 09 May 2023 18:18

Tgt Ion: 78 Resp: 544089

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8

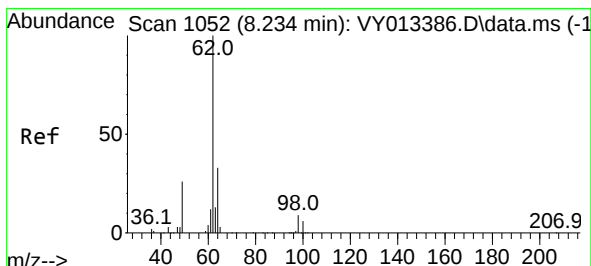
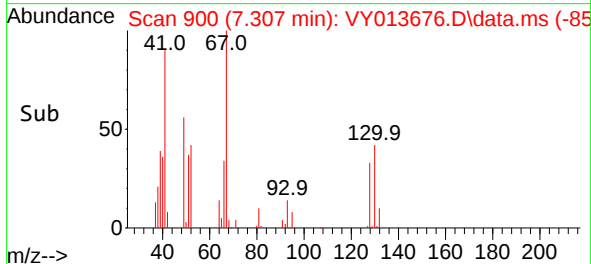
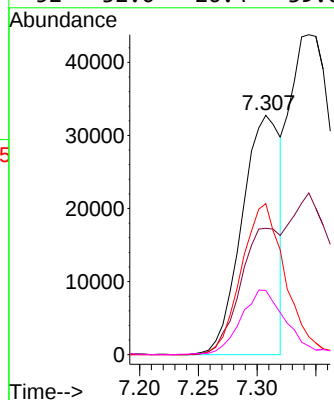
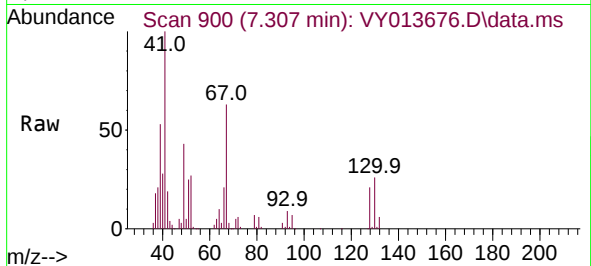




#41  
Methacrylonitrile  
Concen: 59.987 ug/l  
RT: 7.307 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

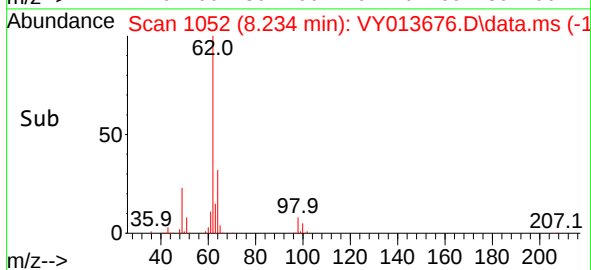
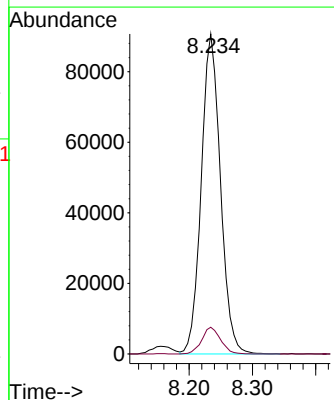
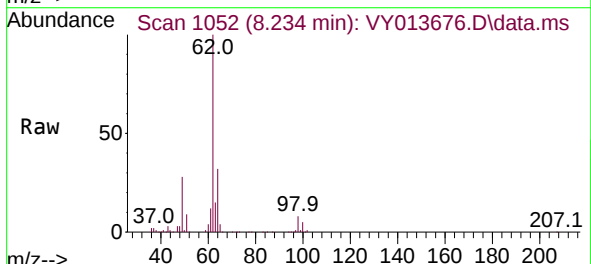
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

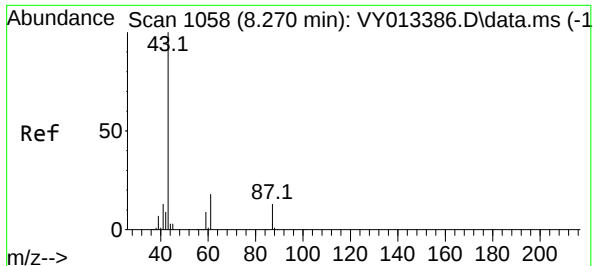
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 74469 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.9  | 44.2  | 66.4  |
| 67       | 73.0  | 62.9  | 94.3  |
| 52       | 32.0  | 26.4  | 39.6  |



#42  
1,2-Dichloroethane  
Concen: 58.770 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 191598 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.2   | 0.0   | 17.8   |

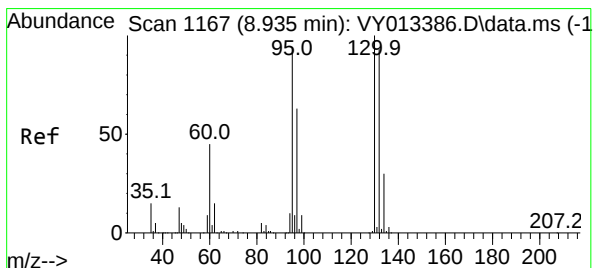
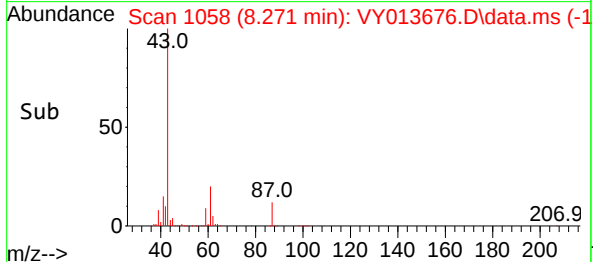
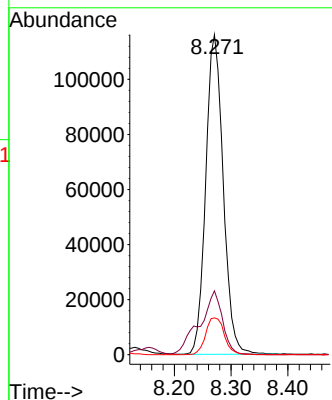
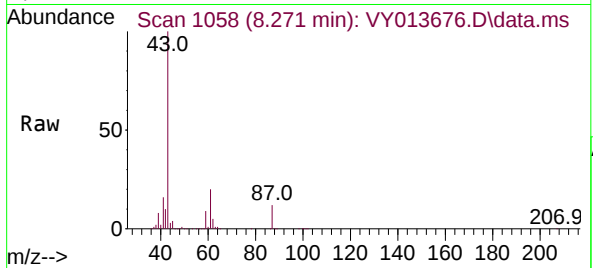




#43  
Isopropyl Acetate  
Concen: 55.291 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.001 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

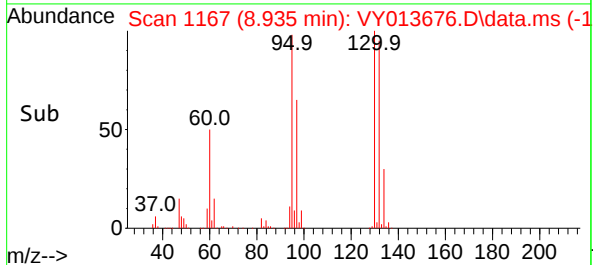
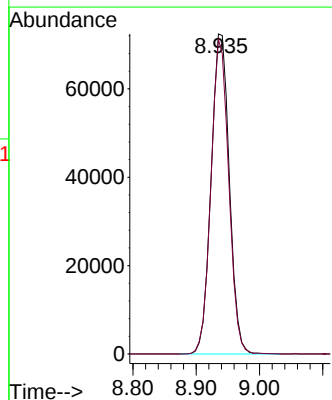
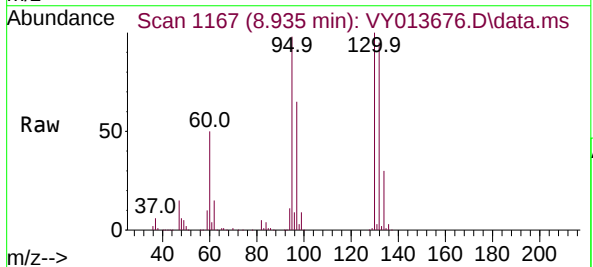
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

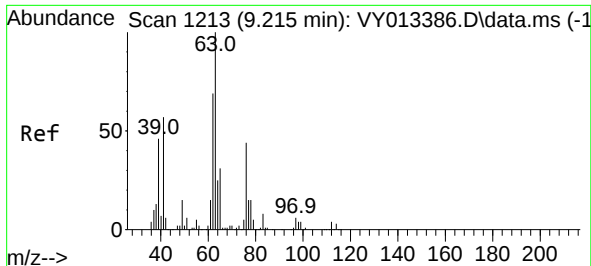
Tgt Ion: 43 Resp: 248621  
Ion Ratio Lower Upper  
43 100  
61 26.4 22.2 33.4  
87 12.3 11.0 16.6



#44  
Trichloroethene  
Concen: 54.519 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion:130 Resp: 144613  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 188.8





#45

1,2-Dichloropropane

Concen: 55.974 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

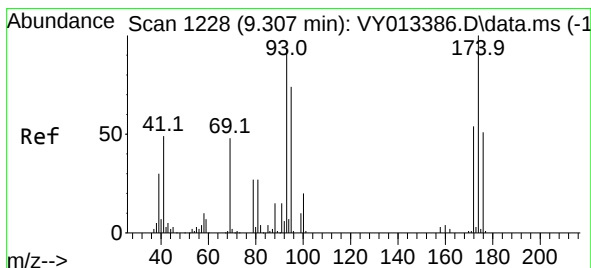
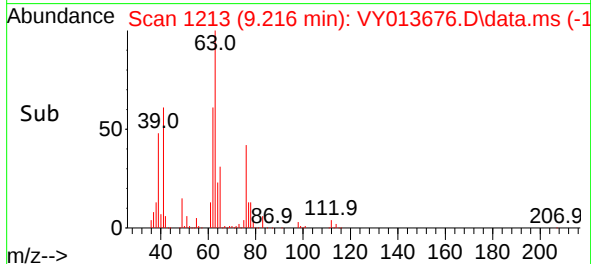
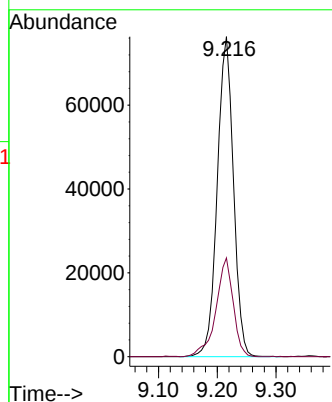
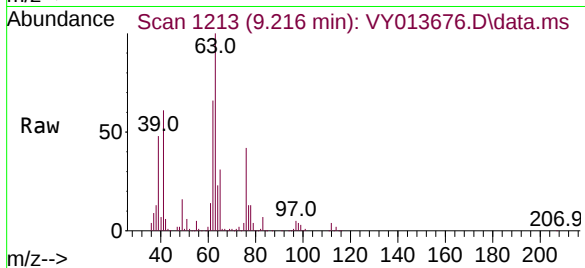
VSTDCCC050EC

Tgt Ion: 63 Resp: 145941

Ion Ratio Lower Upper

63 100

65 30.9 24.6 37.0



#46

Dibromomethane

Concen: 56.227 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

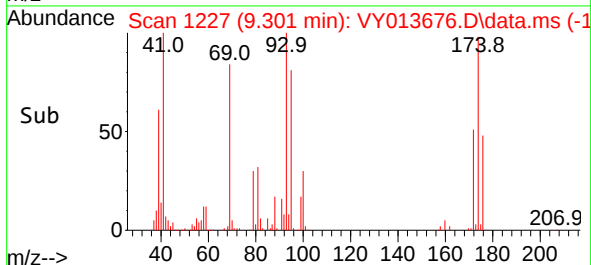
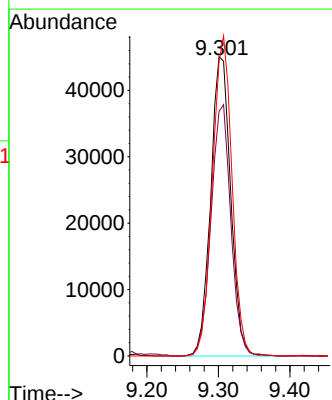
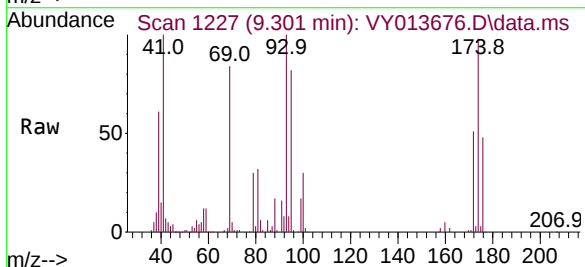
Tgt Ion: 93 Resp: 87717

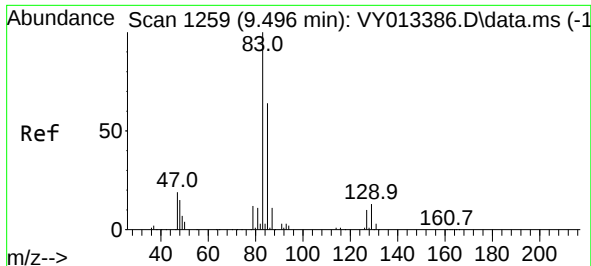
Ion Ratio Lower Upper

93 100

95 82.9 67.1 100.7

174 104.4 87.0 130.4

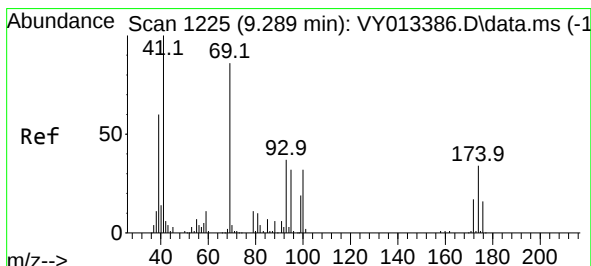
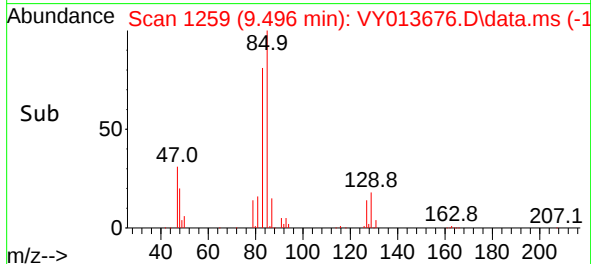
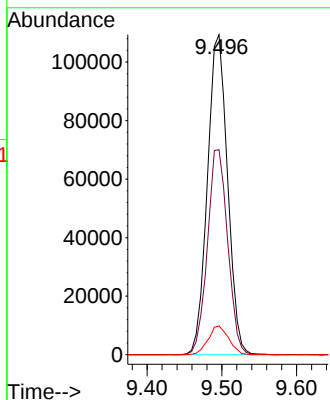
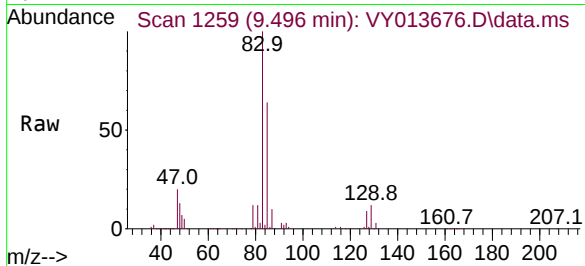




#47  
Bromodichloromethane  
Concen: 58.539 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

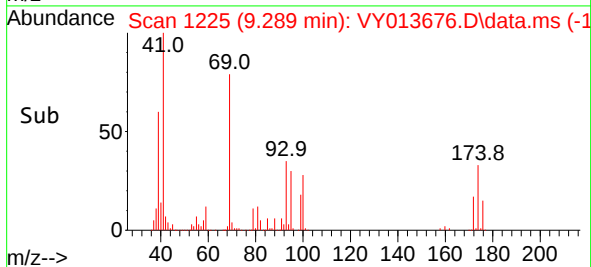
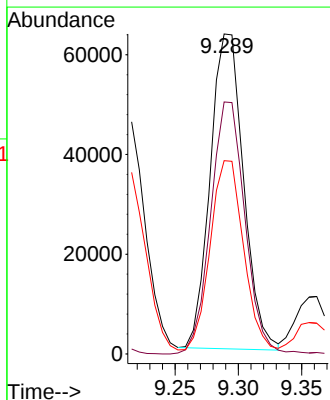
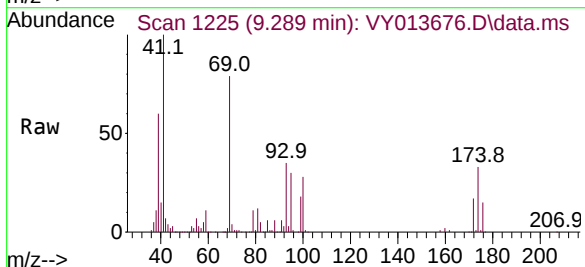
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

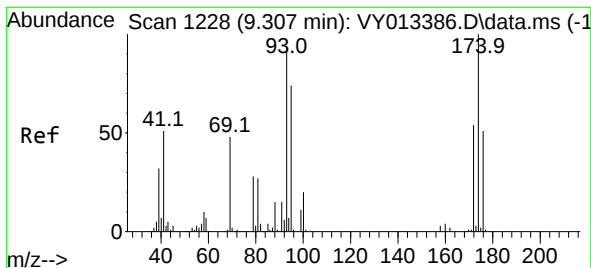
Tgt Ion: 83 Resp: 204349  
Ion Ratio Lower Upper  
83 100  
85 64.1 51.4 77.2  
127 9.0 8.1 12.1



#48  
Methyl methacrylate  
Concen: 55.989 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 41 Resp: 115625  
Ion Ratio Lower Upper  
41 100  
69 82.7 70.2 105.4  
39 60.3 47.9 71.9





#49

1,4-Dioxane

Concen: 1174.196 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

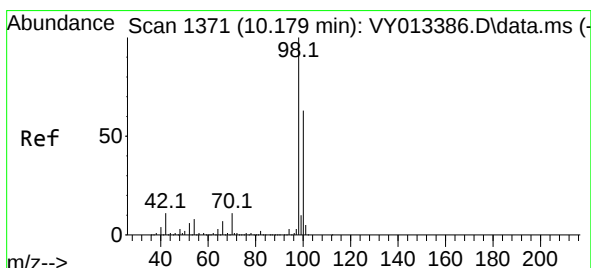
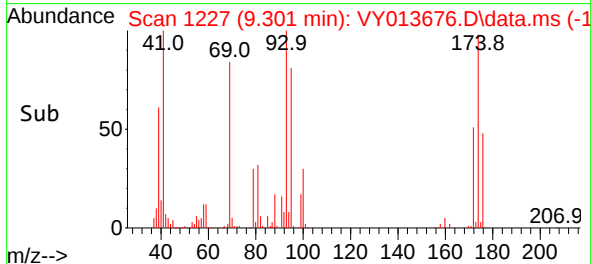
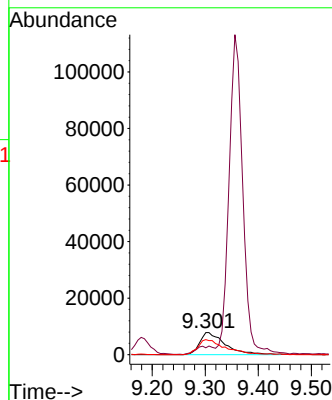
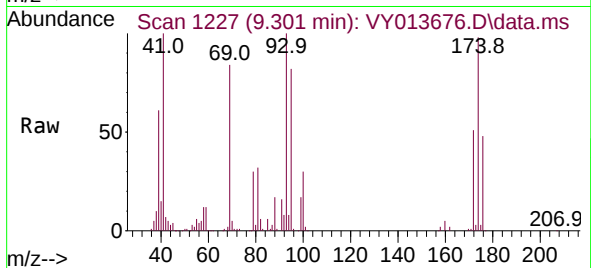
Tgt Ion: 88 Resp: 26162

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 73.7 54.3 81.5



#50

Toluene-d8

Concen: 52.147 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013676.D

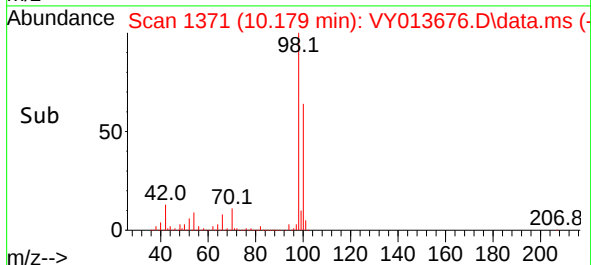
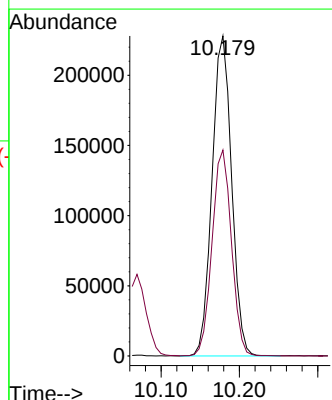
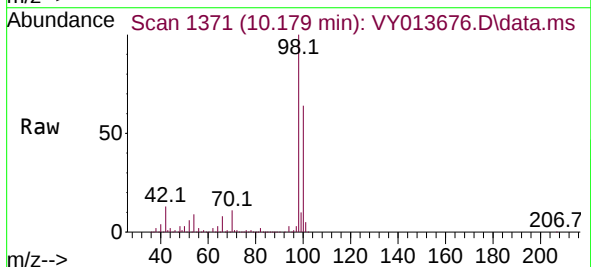
Acq: 09 May 2023 18:18

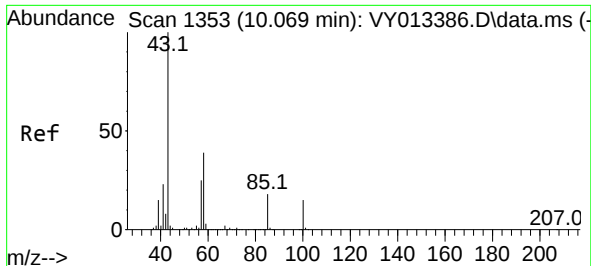
Tgt Ion: 98 Resp: 395695

Ion Ratio Lower Upper

98 100

100 63.8 50.5 75.7

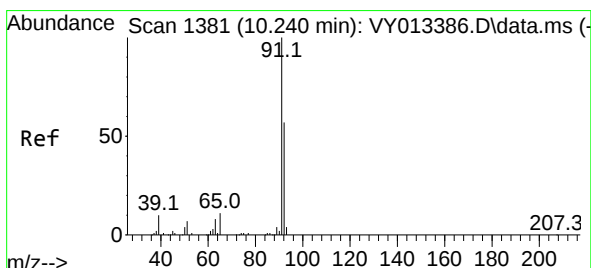
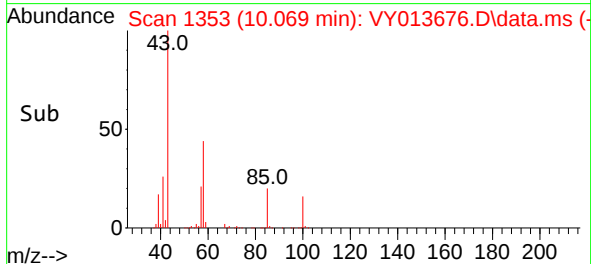
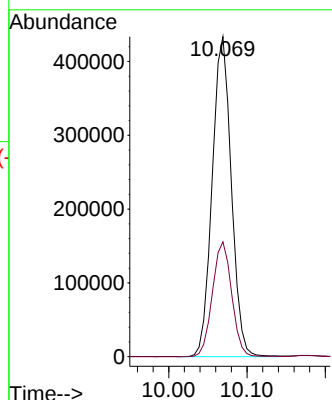
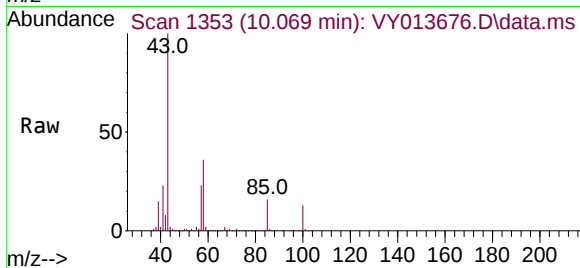




#51  
4-Methyl-2-Pentanone  
Concen: 293.436 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

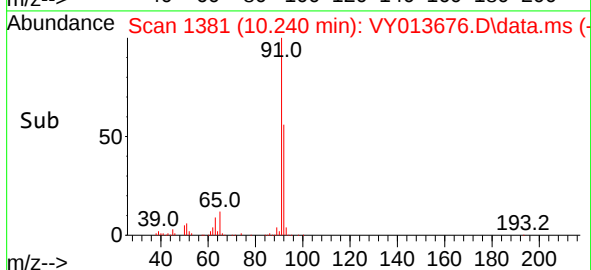
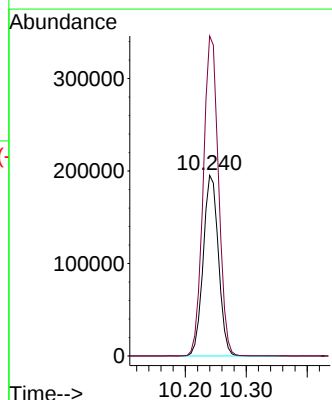
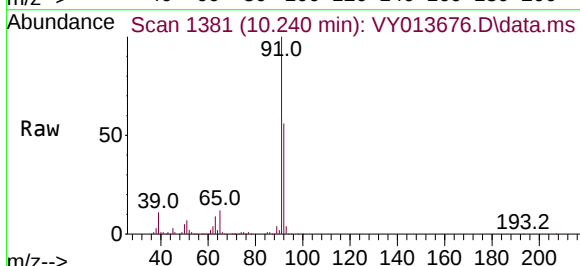
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

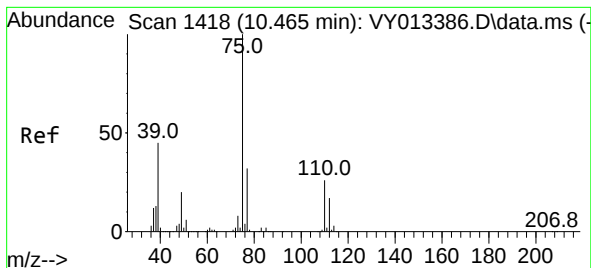
Tgt Ion: 43 Resp: 735261  
Ion Ratio Lower Upper  
43 100  
58 36.2 30.6 46.0



#52  
Toluene  
Concen: 56.601 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 92 Resp: 339650  
Ion Ratio Lower Upper  
92 100  
91 177.6 140.2 210.4

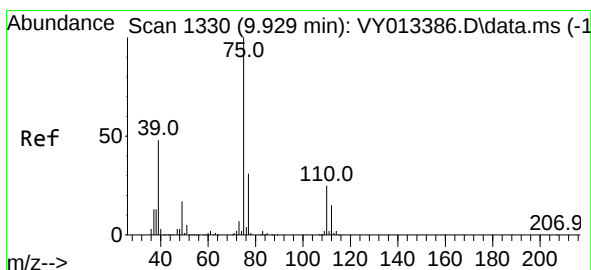
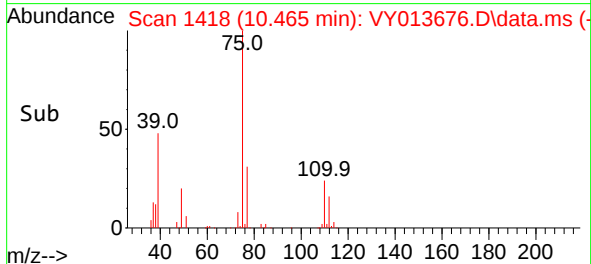
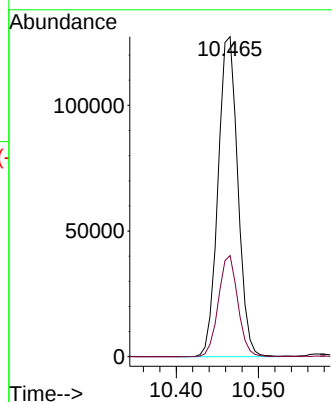
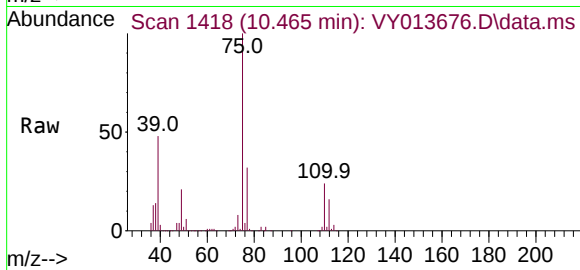




#53  
t-1,3-Dichloropropene  
Concen: 57.669 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

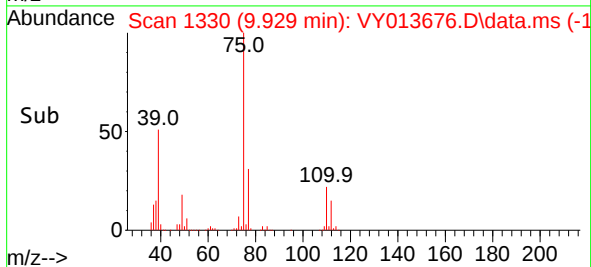
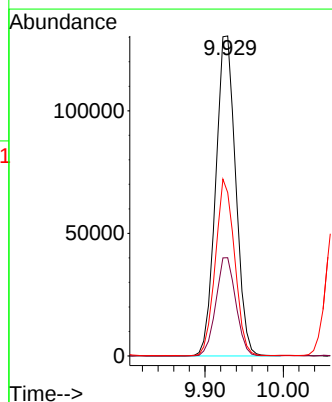
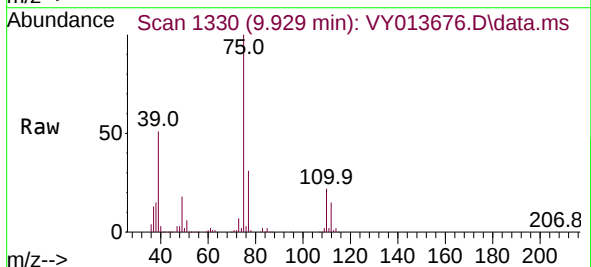
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

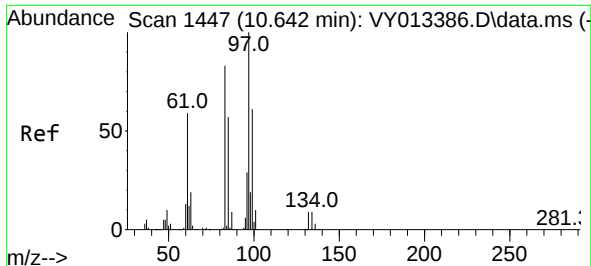
Tgt Ion: 75 Resp: 213058  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 55.753 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 75 Resp: 231773  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.8 37.2  
39 51.0 38.1 57.1

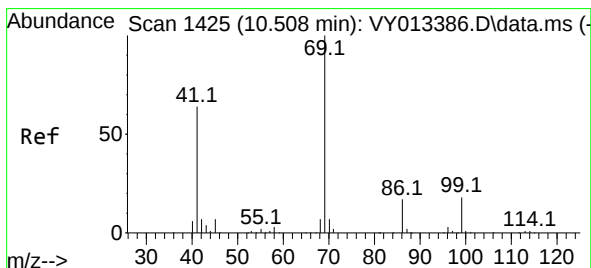
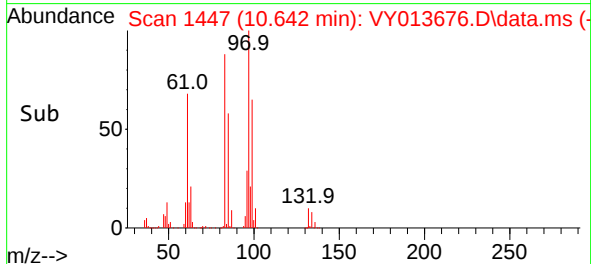
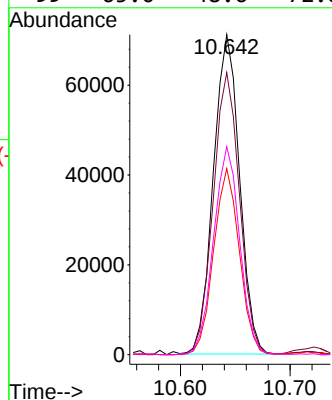
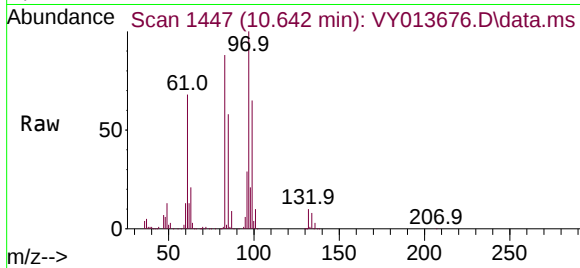




#55  
1,1,2-Trichloroethane  
Concen: 57.200 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

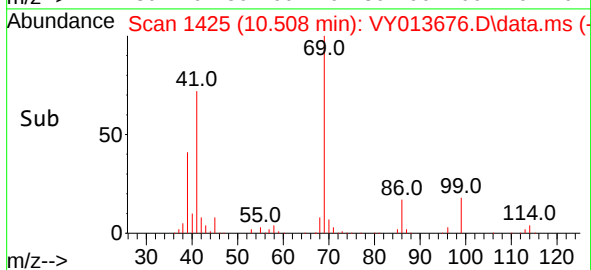
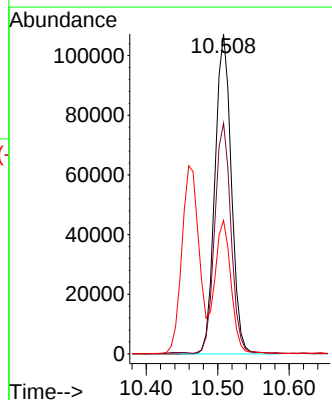
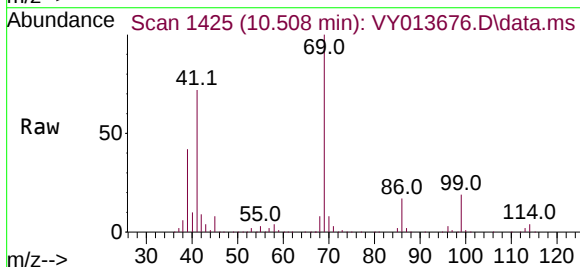
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

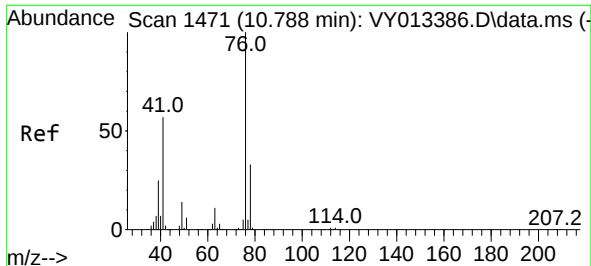
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 118173 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 88.2     | 66.4 99.6    |
| 85 58.1     | 45.6 68.4    |
| 99 65.0     | 48.6 72.8    |



#56  
Ethyl methacrylate  
Concen: 59.455 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 170409 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 71.5     | 51.4 77.0    |
| 39 41.4     | 29.0 43.6    |





#57

1,3-Dichloropropane

Concen: 58.355 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

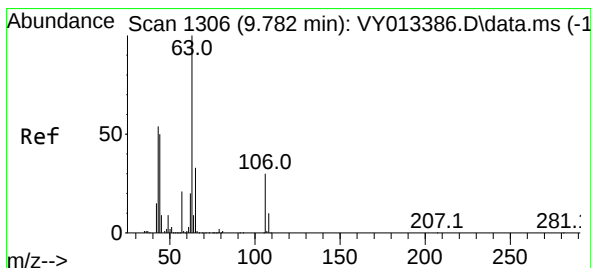
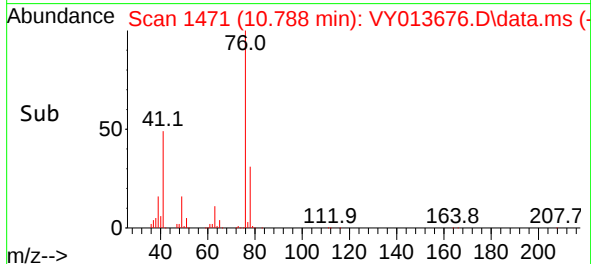
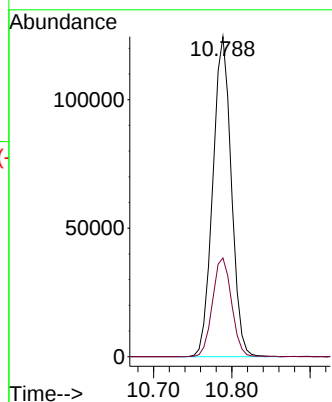
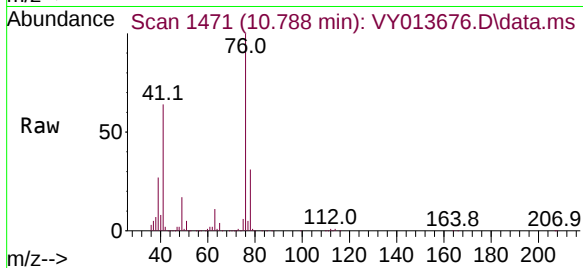
VSTDCCC050EC

Tgt Ion: 76 Resp: 204179

Ion Ratio Lower Upper

76 100

78 31.7 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 271.565 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY013676.D

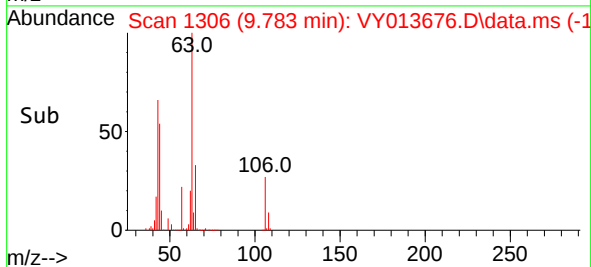
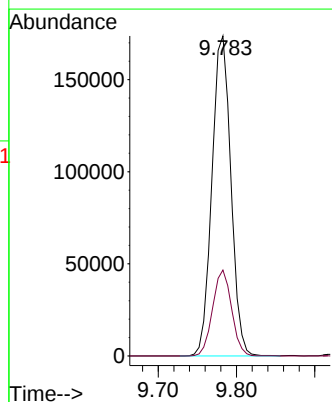
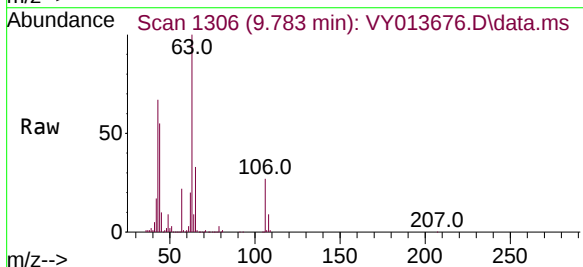
Acq: 09 May 2023 18:18

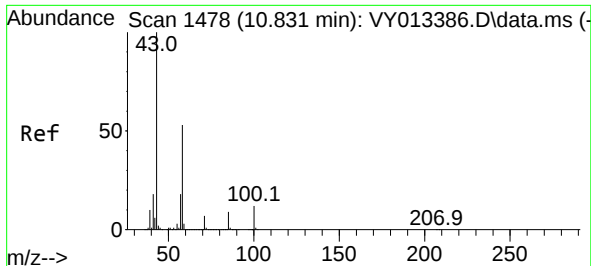
Tgt Ion: 63 Resp: 291874

Ion Ratio Lower Upper

63 100

106 26.8 23.5 35.3

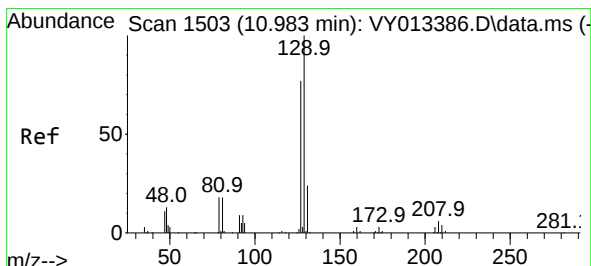
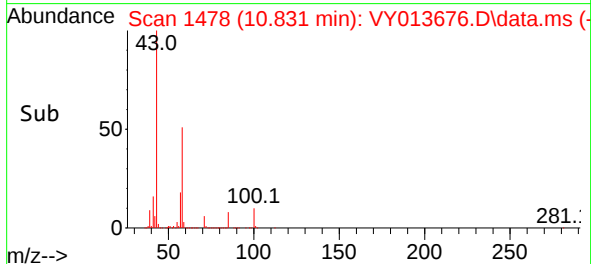
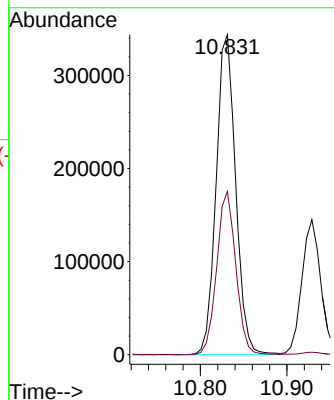
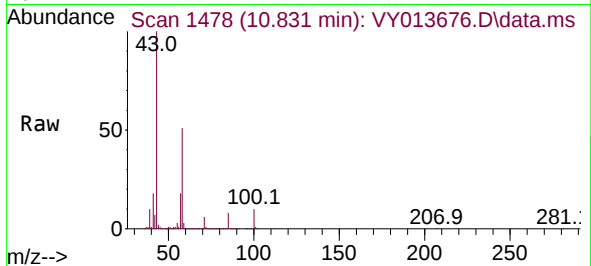




#59  
2-Hexanone  
Concen: 294.693 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

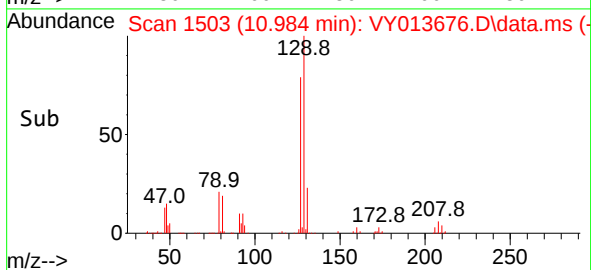
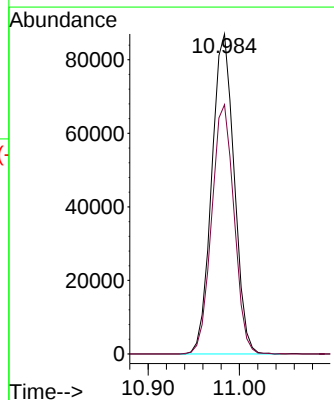
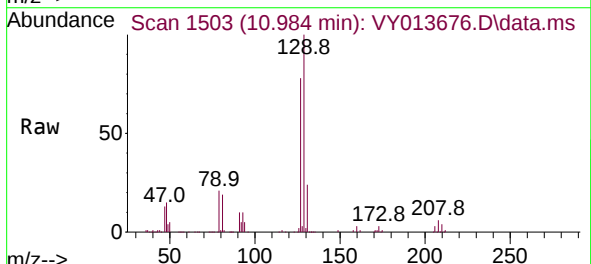
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

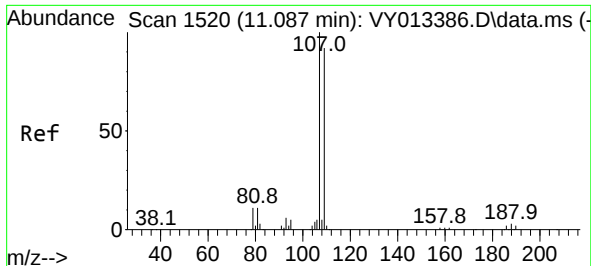
Tgt Ion: 43 Resp: 536766  
Ion Ratio Lower Upper  
43 100  
58 50.1 26.3 78.8



#60  
Dibromochloromethane  
Concen: 59.161 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 129 Resp: 148409  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.7 116.1

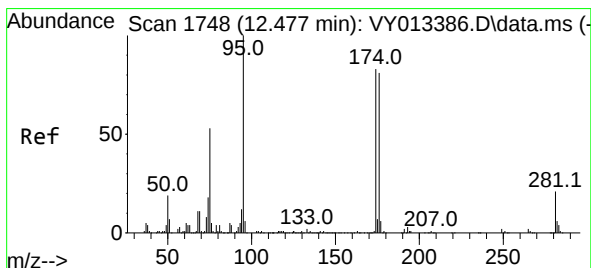
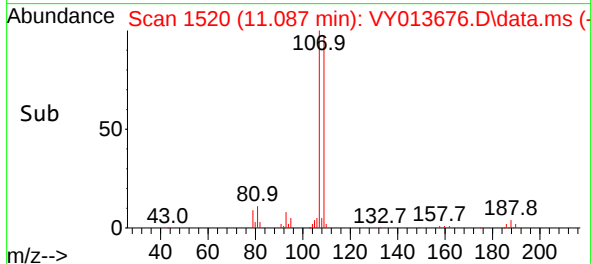
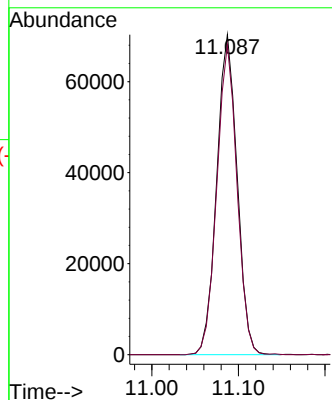
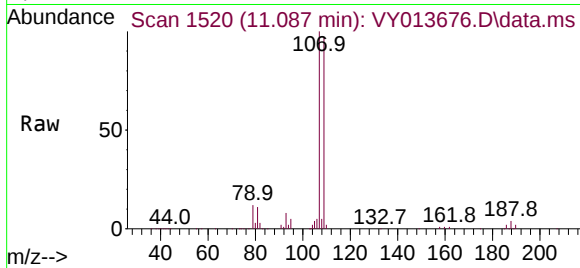




#61  
1,2-Dibromoethane  
Concen: 56.685 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

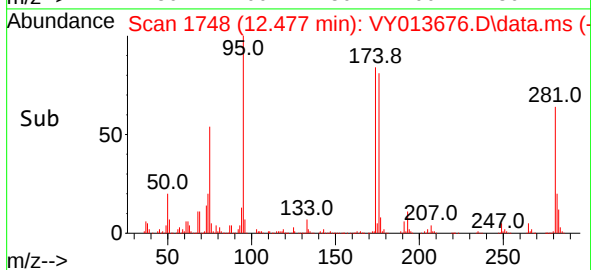
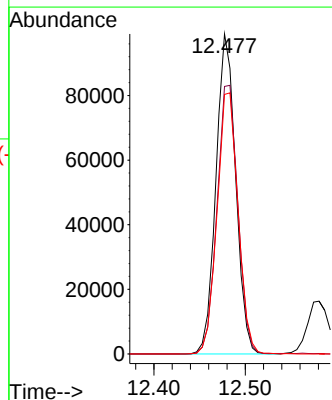
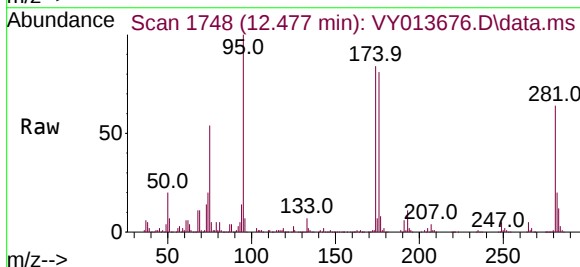
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:107 Resp: 115138  
Ion Ratio Lower Upper  
107 100  
109 95.9 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 58.016 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 95 Resp: 148412  
Ion Ratio Lower Upper  
95 100  
174 88.9 0.0 182.0  
176 87.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

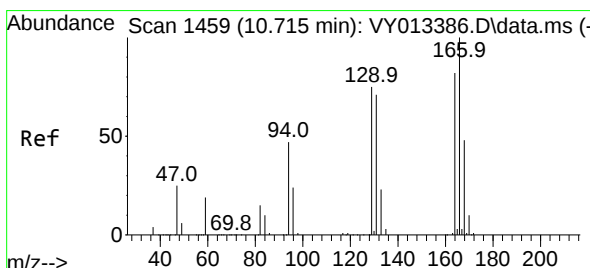
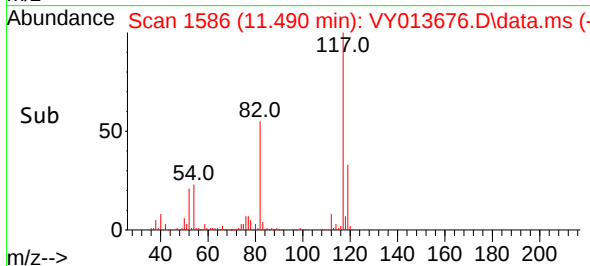
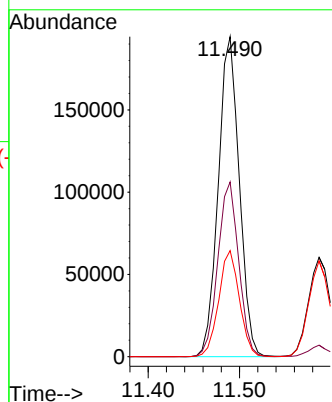
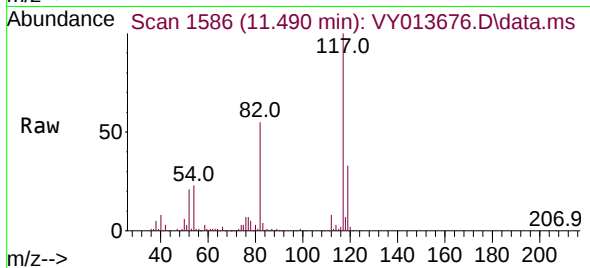
Tgt Ion:117 Resp: 310892

Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.6

119 33.2 25.5 38.3



#64

Tetrachloroethene

Concen: 53.324 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Tgt Ion:164 Resp: 126061

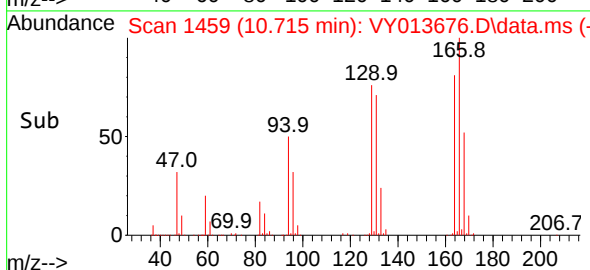
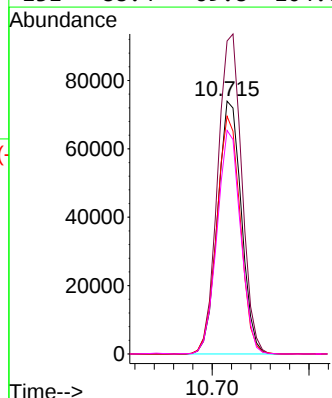
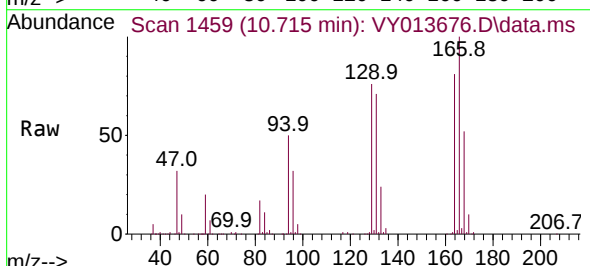
Ion Ratio Lower Upper

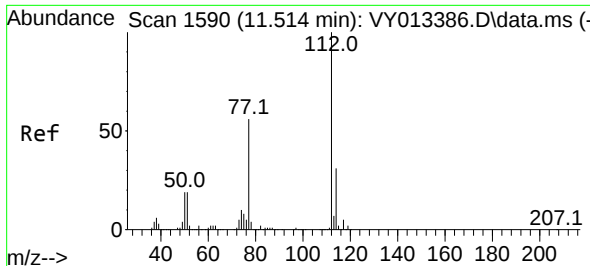
164 100

166 123.8 97.5 146.3

129 94.0 72.6 109.0

131 88.4 69.8 104.6

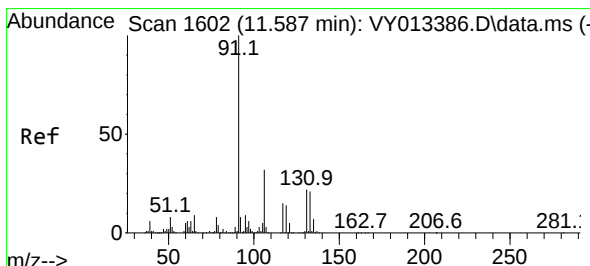
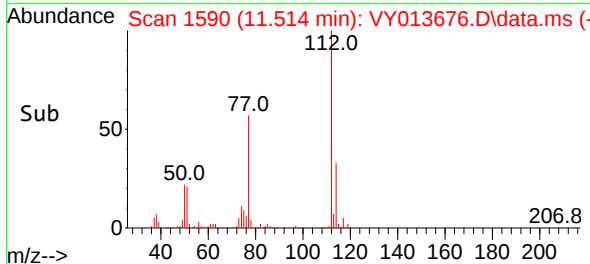
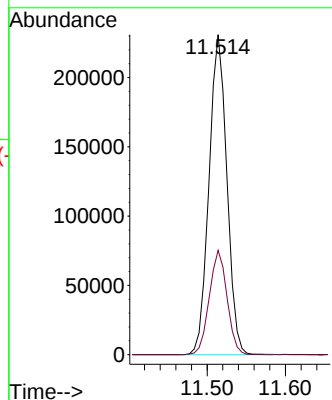
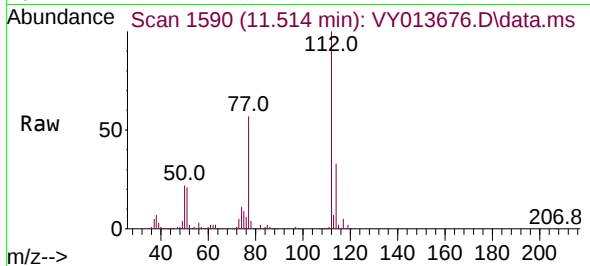




#65  
Chlorobenzene  
Concen: 53.971 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

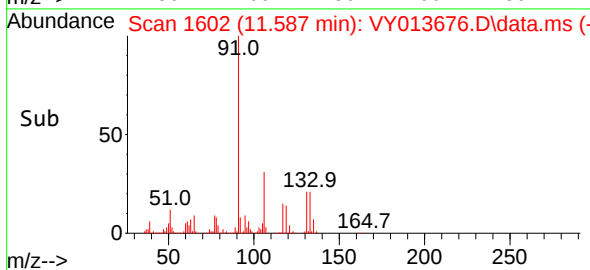
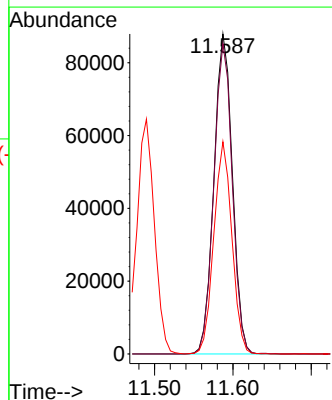
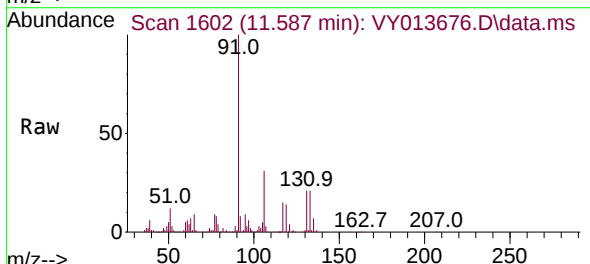
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

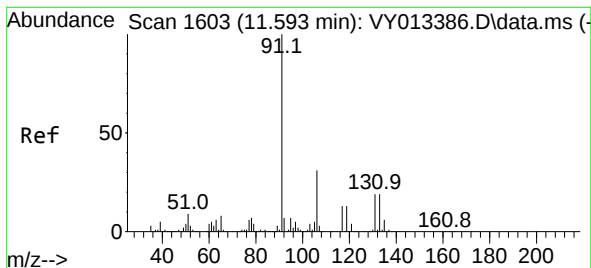
Tgt Ion:112 Resp: 365512  
Ion Ratio Lower Upper  
112 100  
114 32.6 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 57.010 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion:131 Resp: 144398  
Ion Ratio Lower Upper  
131 100  
133 96.5 47.7 143.1  
119 64.7 32.6 98.0





#67

Ethyl Benzene

Concen: 55.376 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

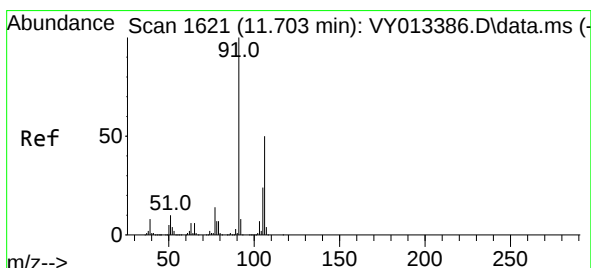
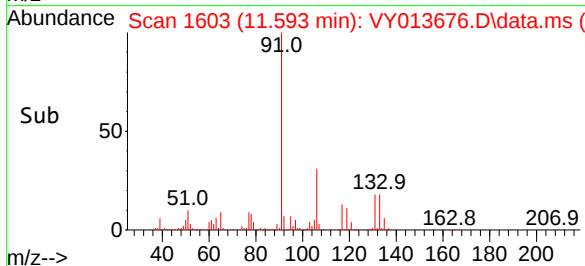
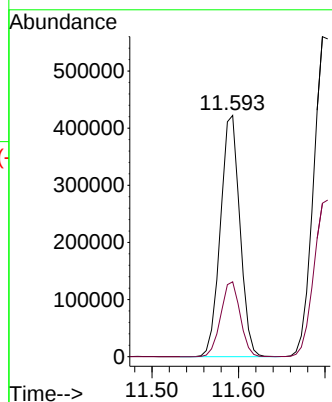
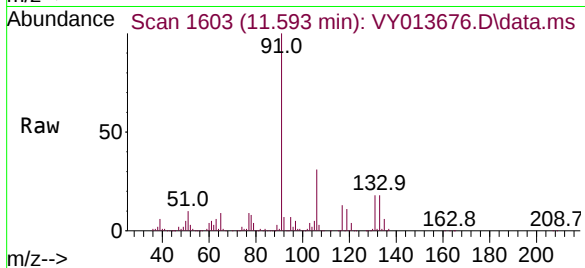
VSTDCCC050EC

Tgt Ion: 91 Resp: 658549

Ion Ratio Lower Upper

91 100

106 31.0 25.1 37.7



#68

m/p-Xylenes

Concen: 110.502 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013676.D

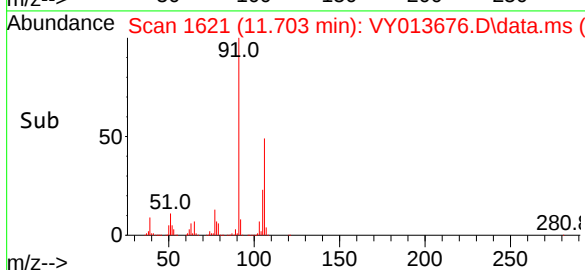
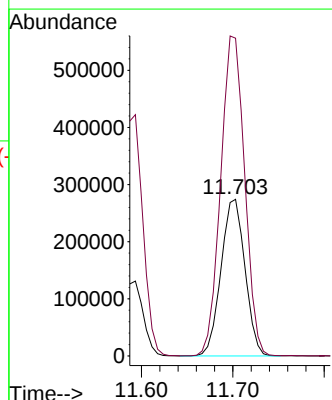
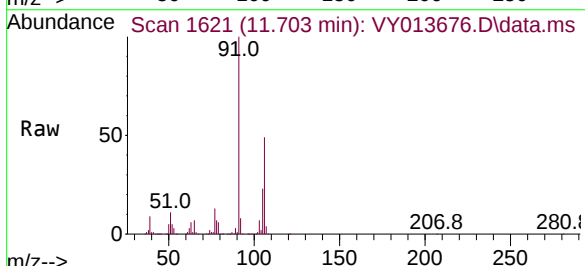
Acq: 09 May 2023 18:18

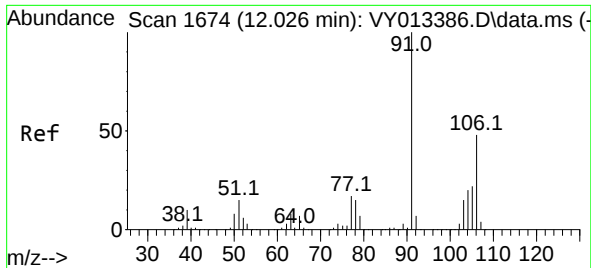
Tgt Ion:106 Resp: 499573

Ion Ratio Lower Upper

106 100

91 205.1 160.9 241.3

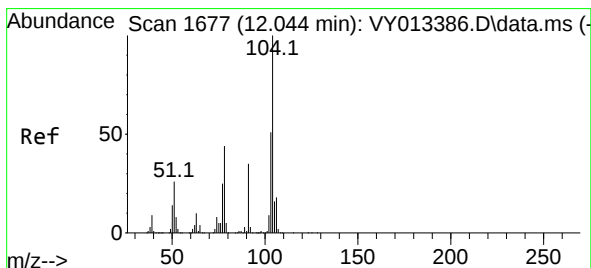
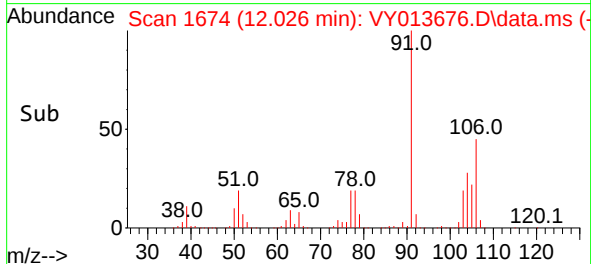
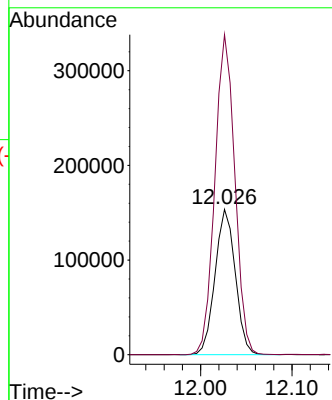
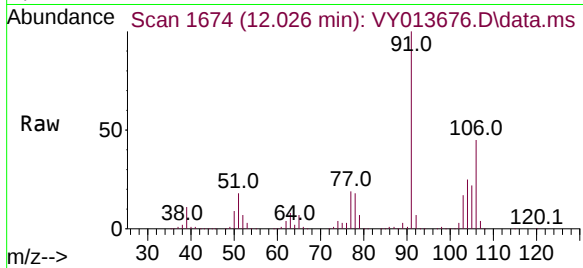




#69  
o-Xylene  
Concen: 55.254 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

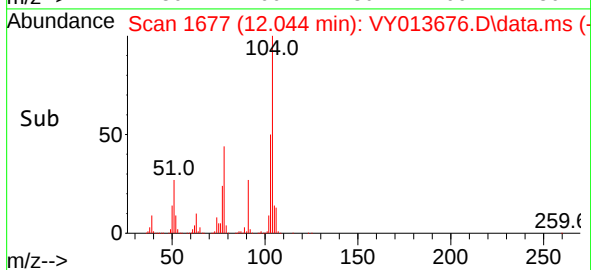
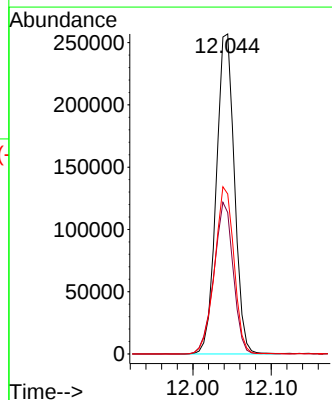
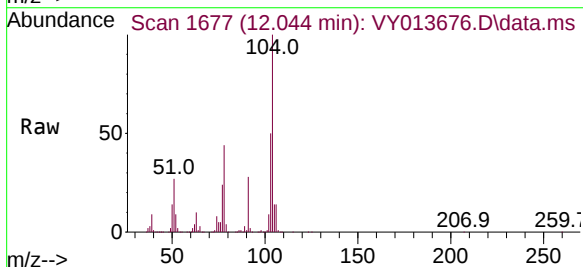
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

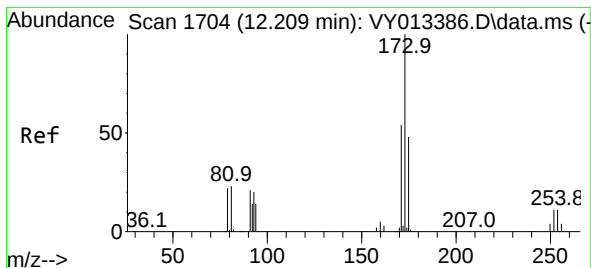
Tgt Ion:106 Resp: 236246  
Ion Ratio Lower Upper  
106 100  
91 217.5 105.5 316.4



#70  
Styrene  
Concen: 57.867 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion:104 Resp: 413691  
Ion Ratio Lower Upper  
104 100  
78 50.6 40.3 60.5  
103 55.9 45.0 67.4





#71

Bromoform

Concen: 59.387 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

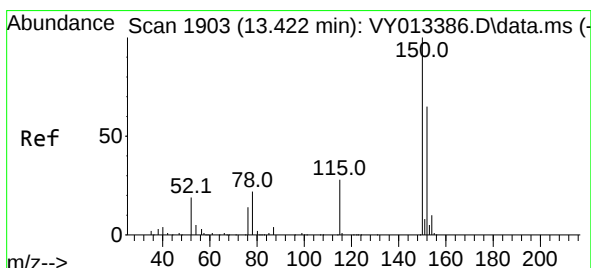
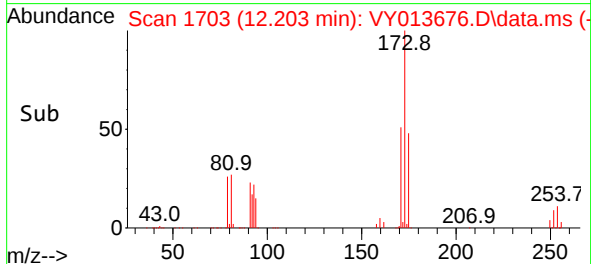
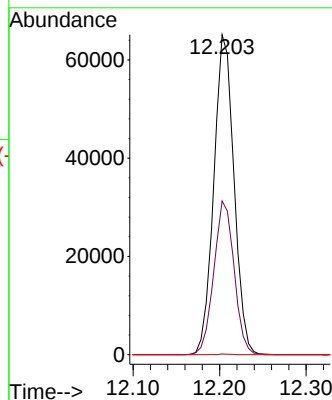
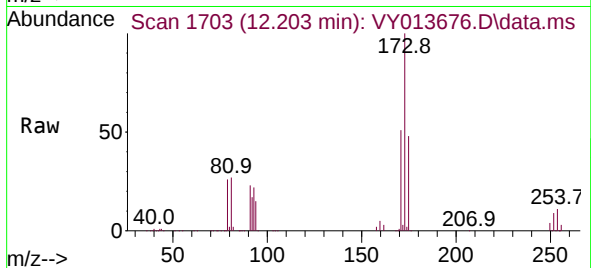
Tgt Ion:173 Resp: 105360

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

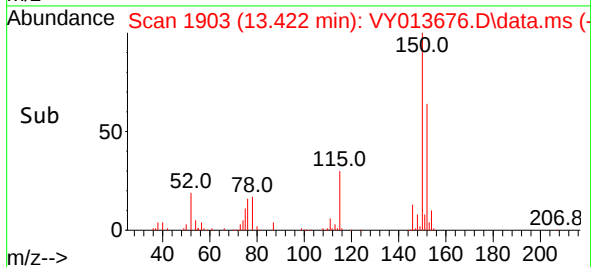
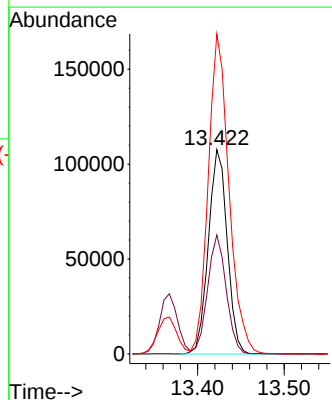
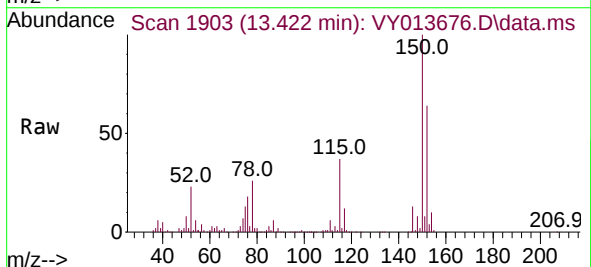
Tgt Ion:152 Resp: 162550

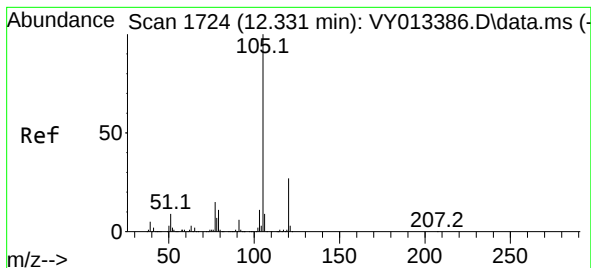
Ion Ratio Lower Upper

152 100

115 57.6 28.1 84.2

150 172.2 0.0 352.0





#73

Isopropylbenzene

Concen: 51.026 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

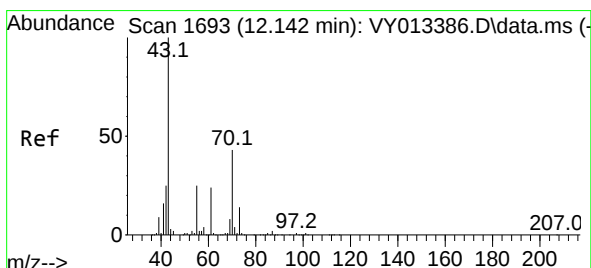
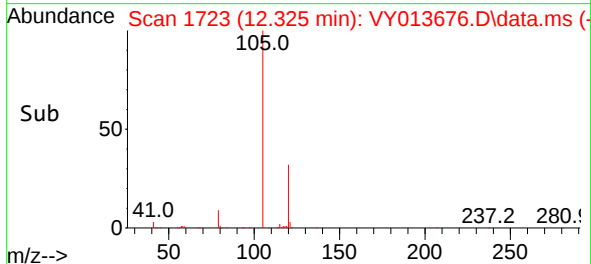
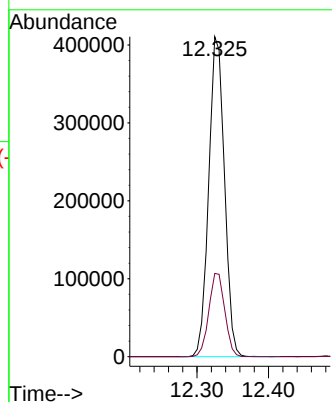
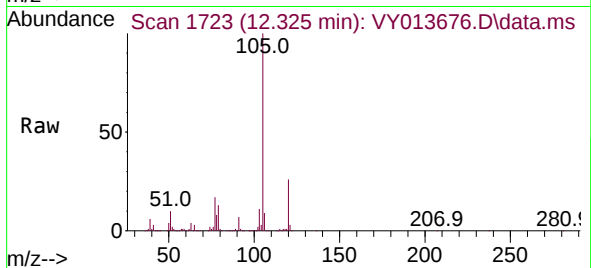
VSTDCCC050EC

Tgt Ion:105 Resp: 627353

Ion Ratio Lower Upper

105 100

120 26.4 13.7 41.0



#74

N-ethyl acetate

Concen: 49.764 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Tgt Ion: 43 Resp: 217727

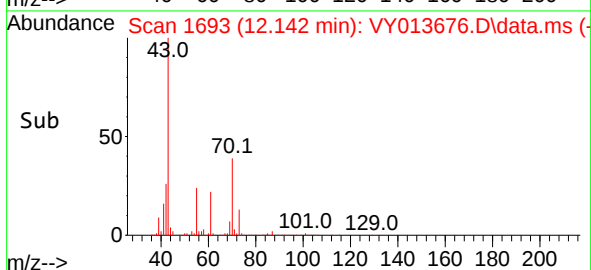
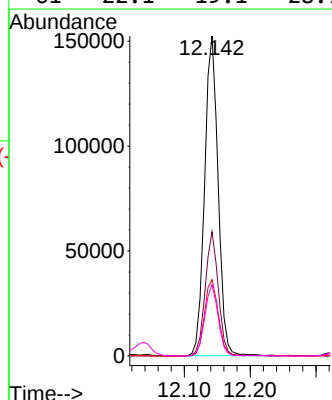
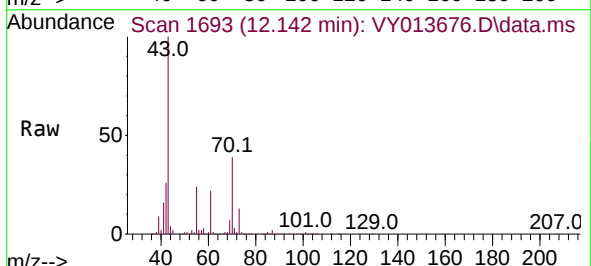
Ion Ratio Lower Upper

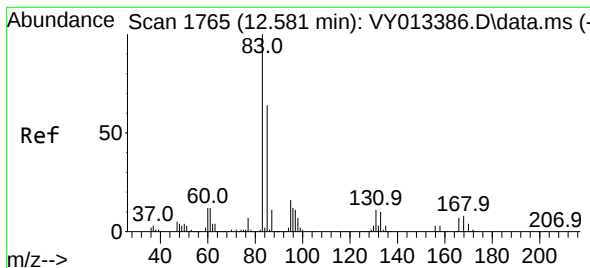
43 100

70 37.6 33.0 49.4

55 24.6 19.8 29.6

61 22.1 19.1 28.7

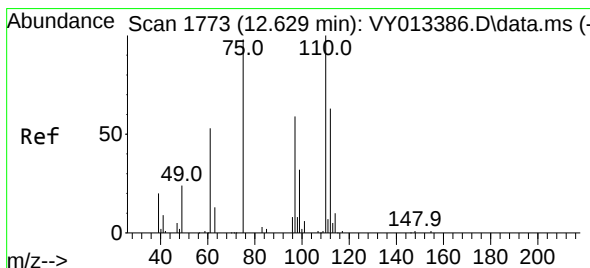
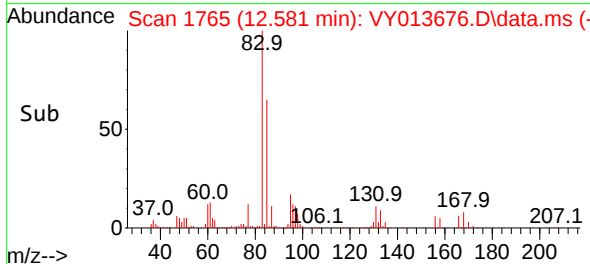
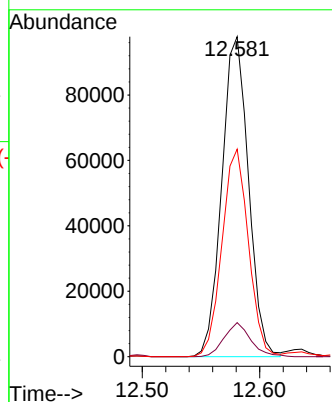
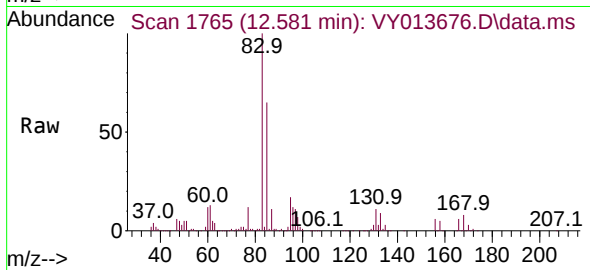




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 51.412 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

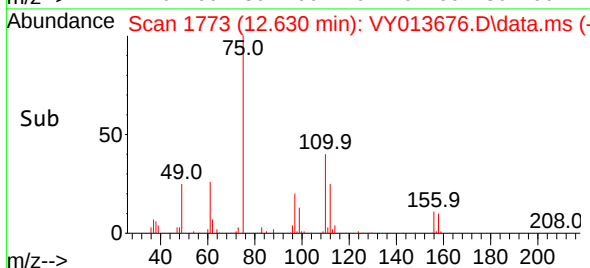
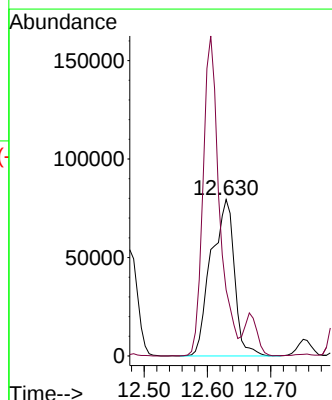
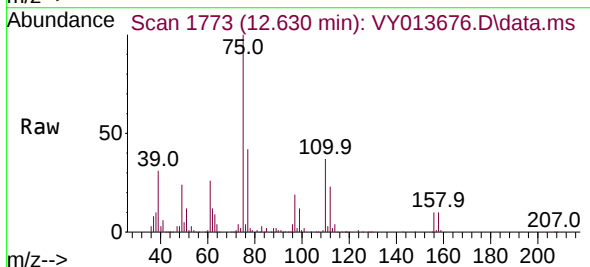
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

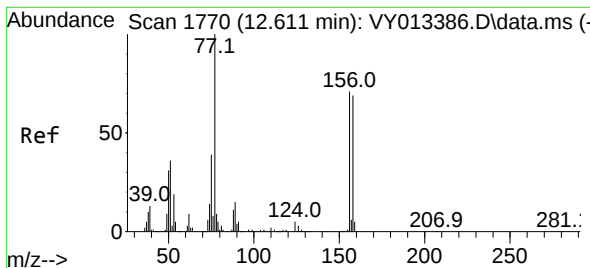
Tgt Ion: 83 Resp: 154501  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.7 17.0  
 85 64.2 31.8 95.4



#76  
 1,2,3-Trichloropropane  
 Concen: 92.751 ug/l  
 RT: 12.630 min Scan# 1773  
 Delta R.T. 0.001 min  
 Lab File: VY013676.D  
 Acq: 09 May 2023 18:18

Tgt Ion: 75 Resp: 203328  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.276 ug/l

RT: 12.605 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

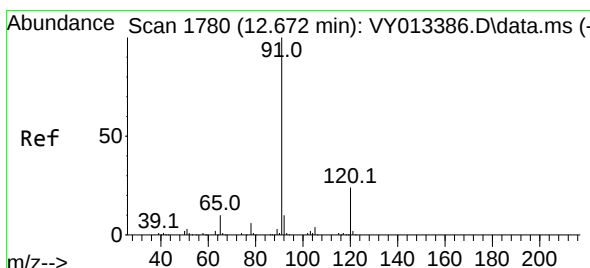
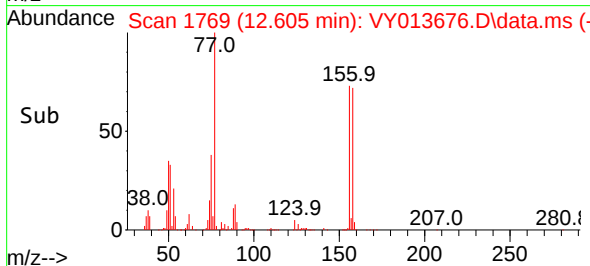
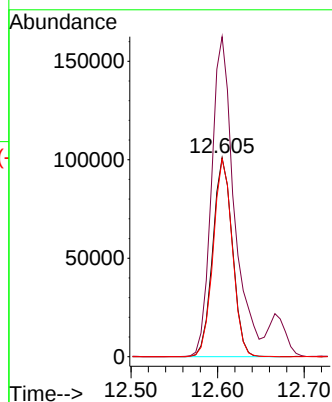
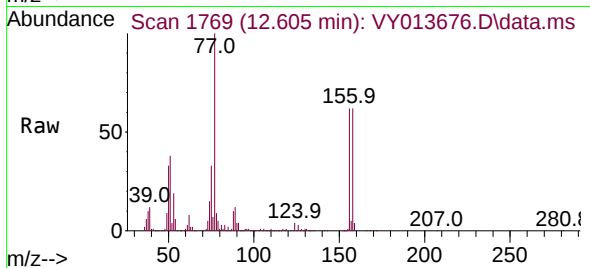
Tgt Ion:156 Resp: 158712

Ion Ratio Lower Upper

156 100

77 185.0 87.6 262.9

158 97.4 48.5 145.5



#78

n-propylbenzene

Concen: 50.788 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY013676.D

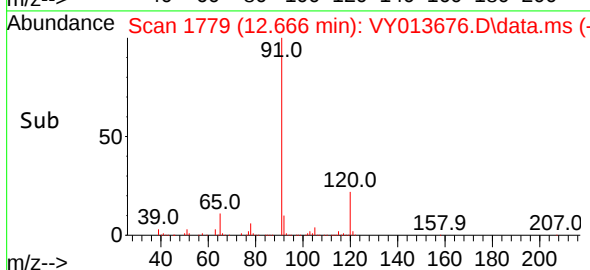
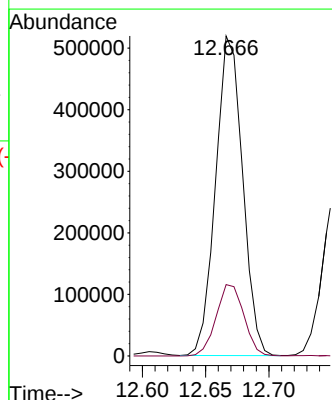
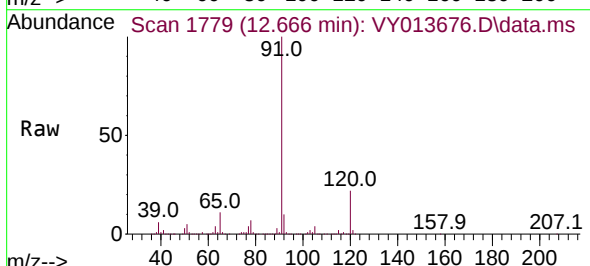
Acq: 09 May 2023 18:18

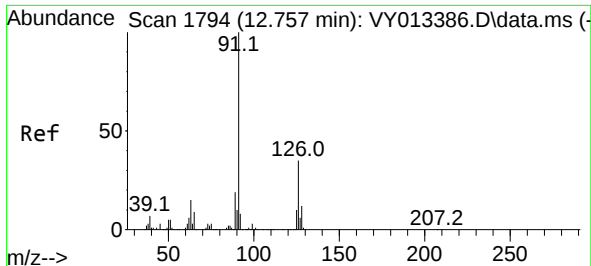
Tgt Ion: 91 Resp: 769118

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.9





#79

2-Chlorotoluene

Concen: 51.254 ug/l

RT: 12.752 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

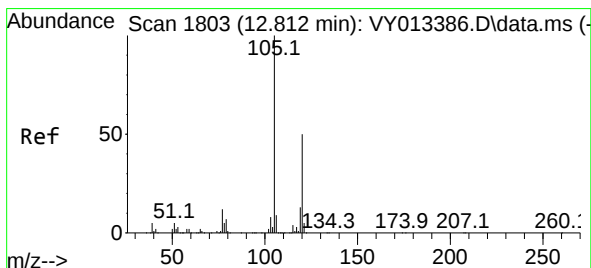
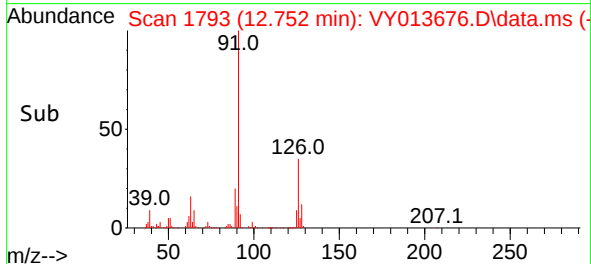
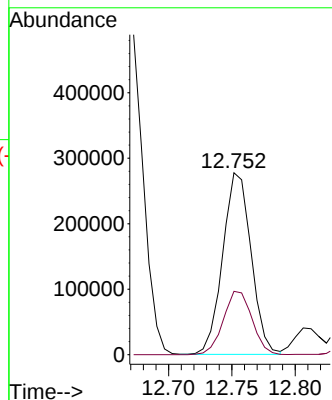
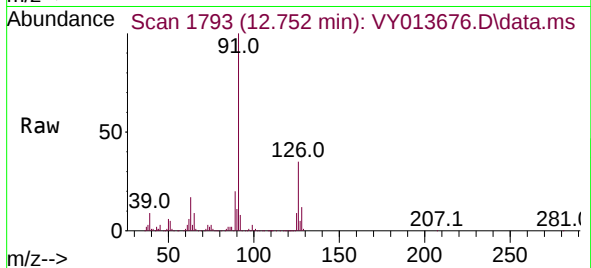
VSTDCCC050EC

Tgt Ion: 91 Resp: 433442

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 52.130 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY013676.D

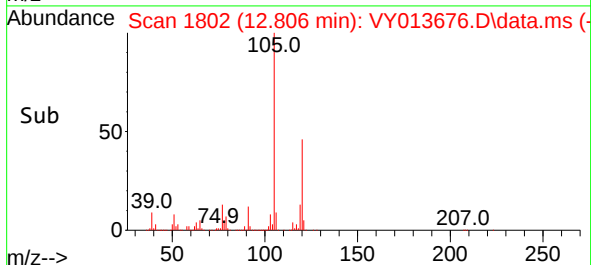
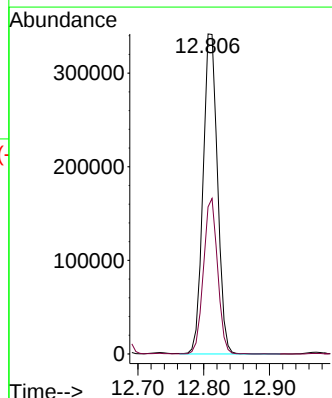
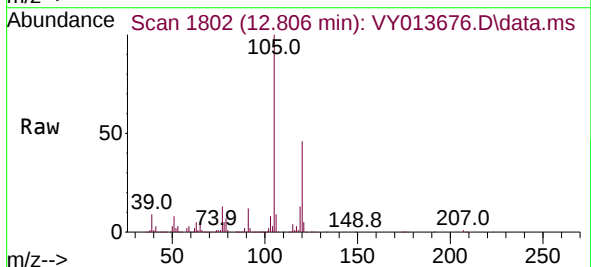
Acq: 09 May 2023 18:18

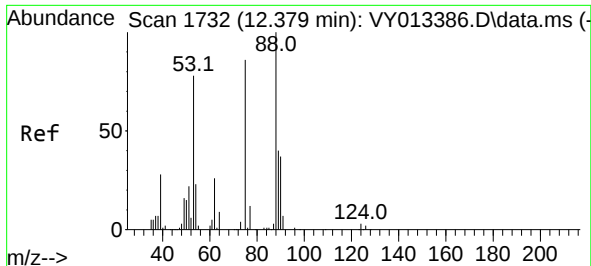
Tgt Ion:105 Resp: 523119

Ion Ratio Lower Upper

105 100

120 47.5 24.7 74.1

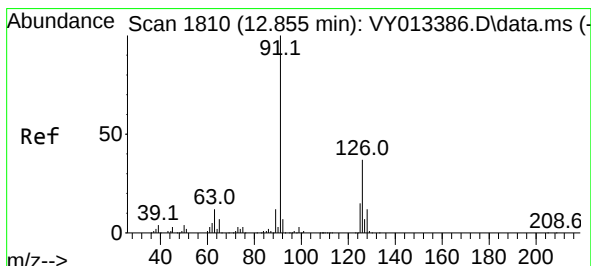
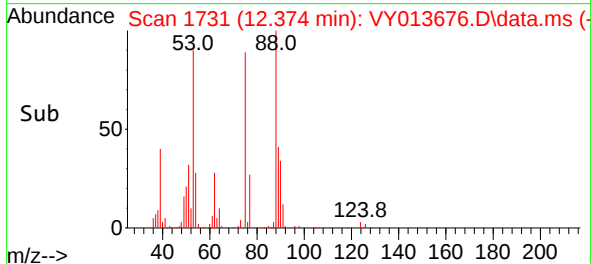
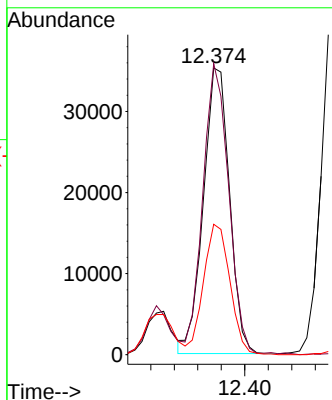
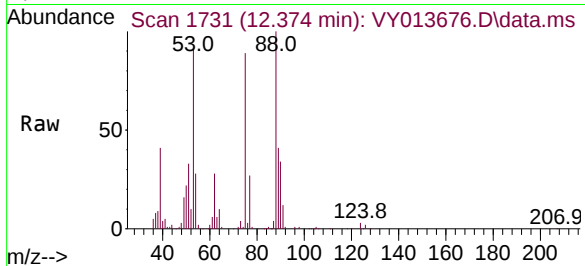




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.789 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

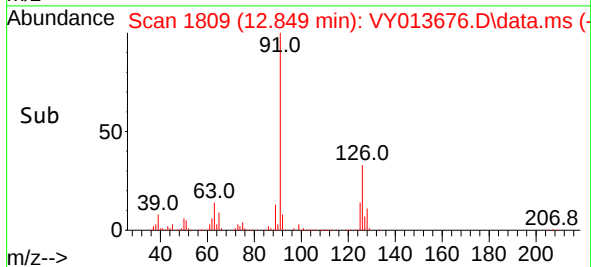
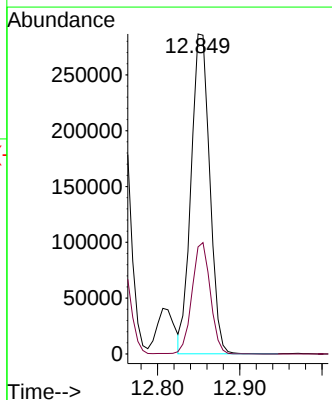
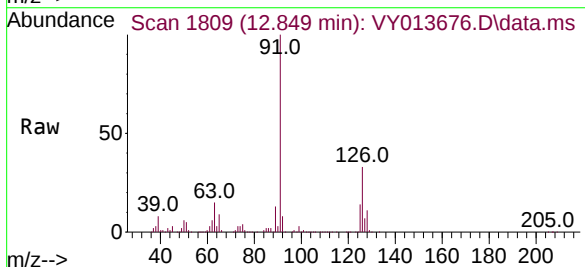
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

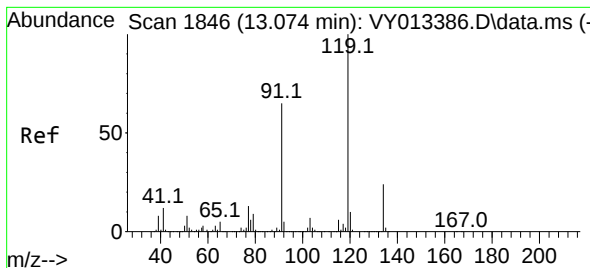
Tgt Ion: 75 Resp: 54430  
Ion Ratio Lower Upper  
75 100  
53 99.3 73.2 109.8  
89 46.2 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 51.141 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 91 Resp: 450767  
Ion Ratio Lower Upper  
91 100  
126 34.4 17.9 53.8





#83

tert-Butylbenzene

Concen: 52.303 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

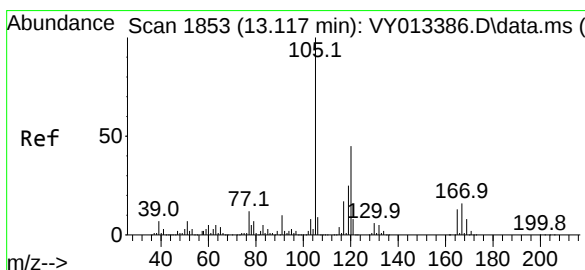
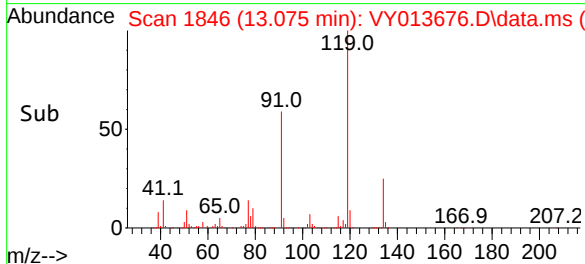
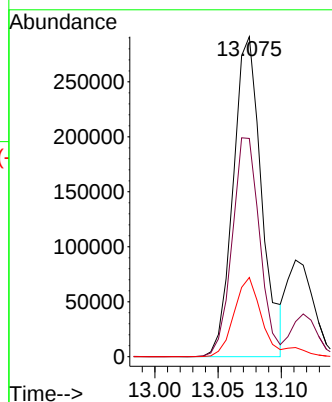
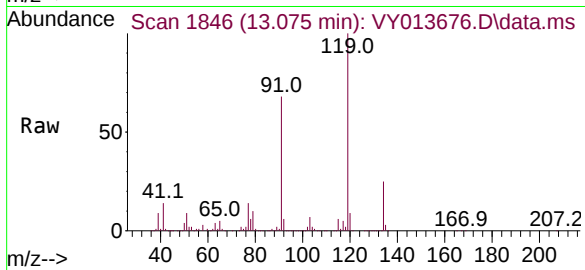
Tgt Ion:119 Resp: 454718

Ion Ratio Lower Upper

119 100

91 66.4 32.2 96.6

134 25.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 53.305 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013676.D

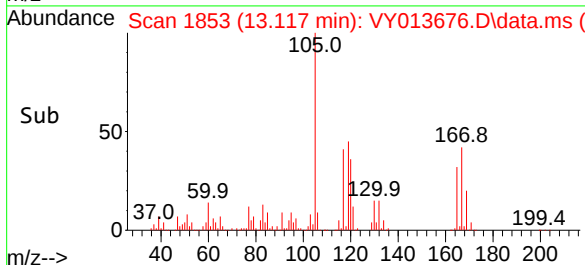
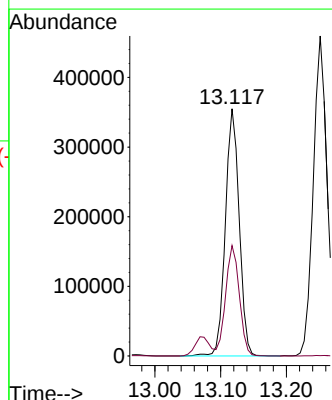
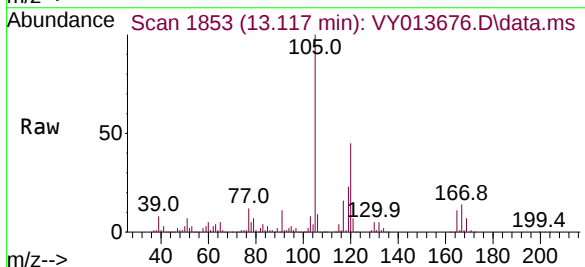
Acq: 09 May 2023 18:18

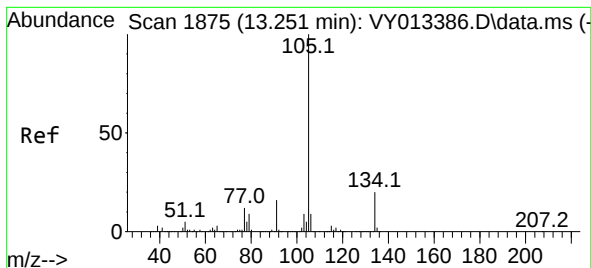
Tgt Ion:105 Resp: 520056

Ion Ratio Lower Upper

105 100

120 44.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.003 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

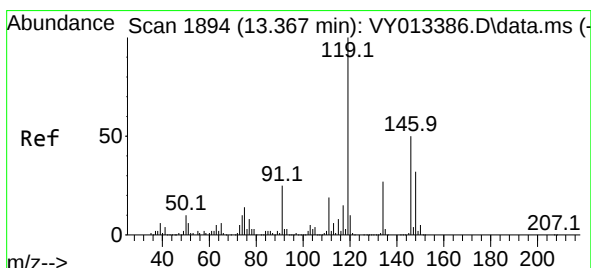
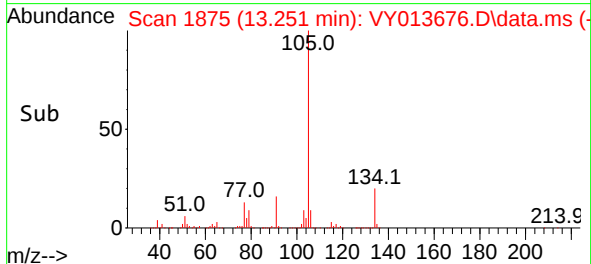
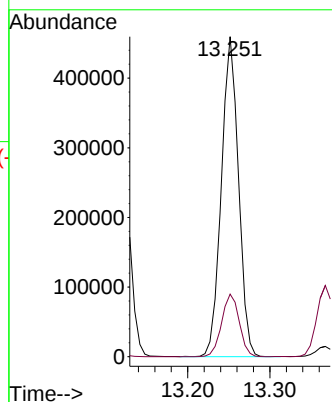
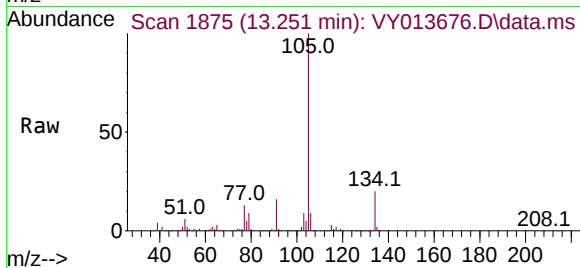
VSTDCCC050EC

Tgt Ion:105 Resp: 665479

Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.9



#86

p-Isopropyltoluene

Concen: 52.263 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

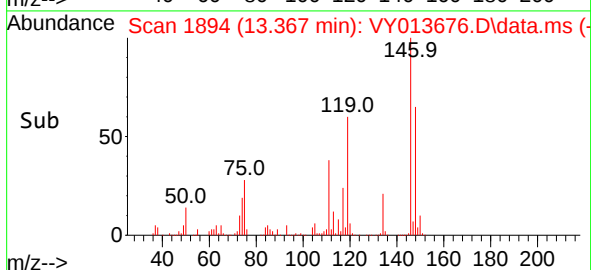
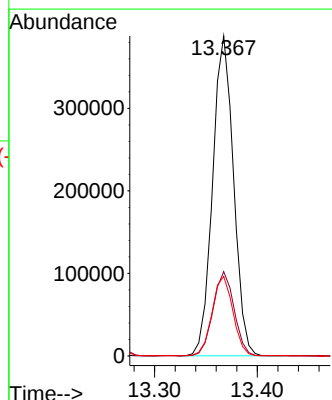
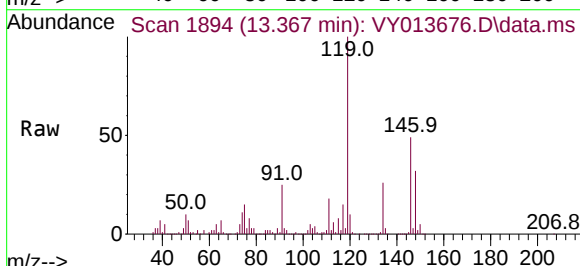
Tgt Ion:119 Resp: 548387

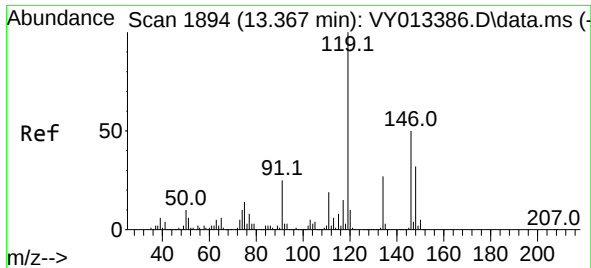
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 24.7 12.1 36.3

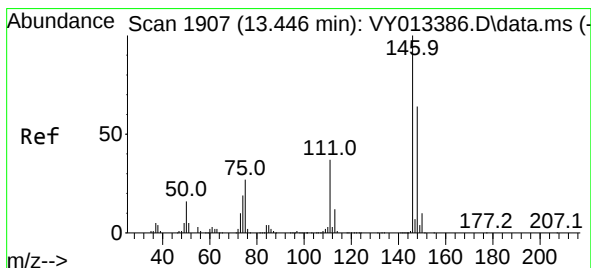
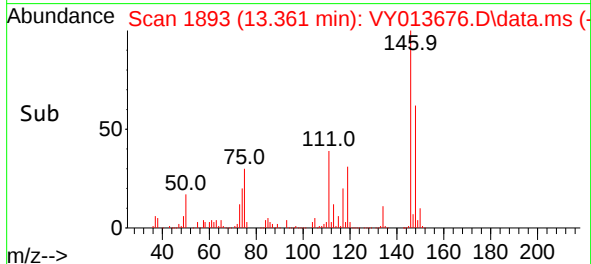
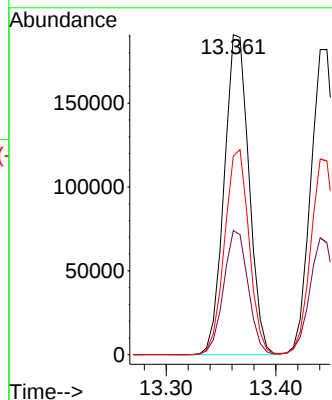
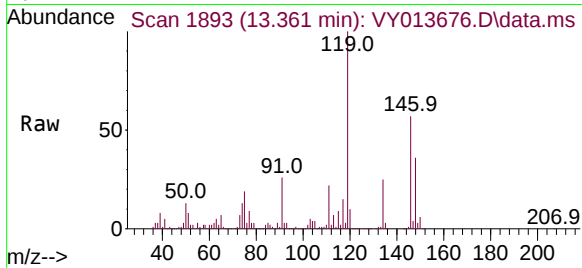




#87  
1,3-Dichlorobenzene  
Concen: 52.709 ug/l  
RT: 13.361 min Scan# 1894  
Delta R.T. -0.006 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

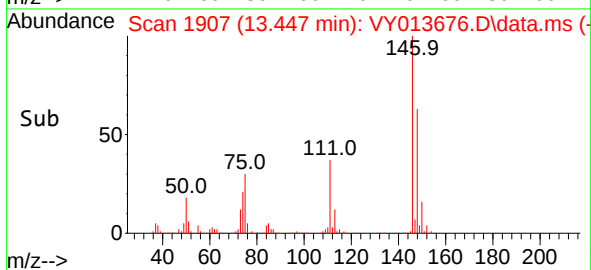
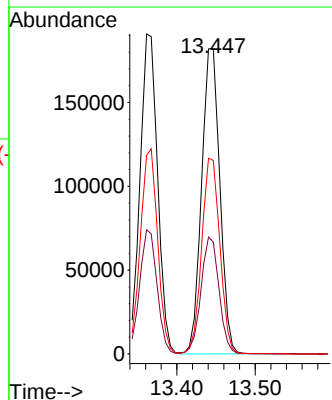
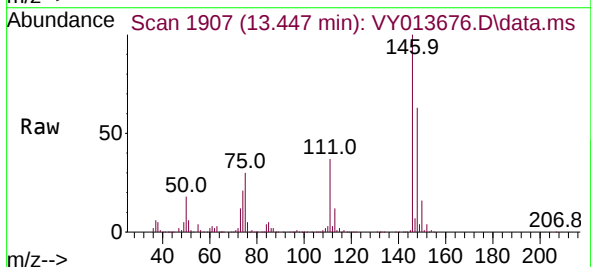
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

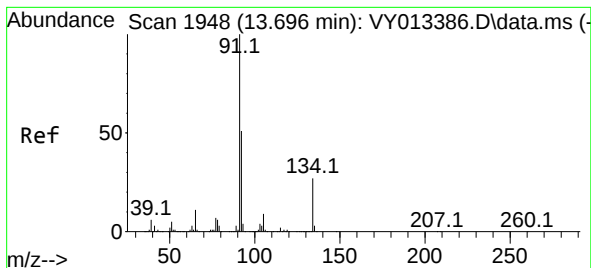
Tgt Ion:146 Resp: 299153  
Ion Ratio Lower Upper  
146 100  
111 38.5 19.3 57.9  
148 63.4 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 51.412 ug/l  
RT: 13.447 min Scan# 1907  
Delta R.T. 0.001 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion:146 Resp: 294755  
Ion Ratio Lower Upper  
146 100  
111 37.8 18.9 56.5  
148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 50.303 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

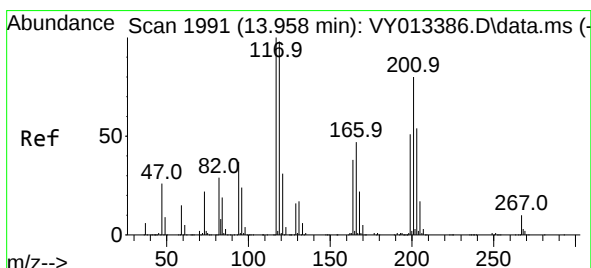
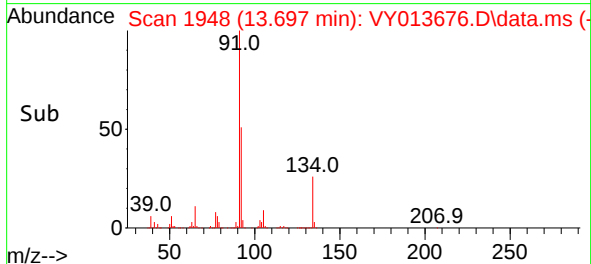
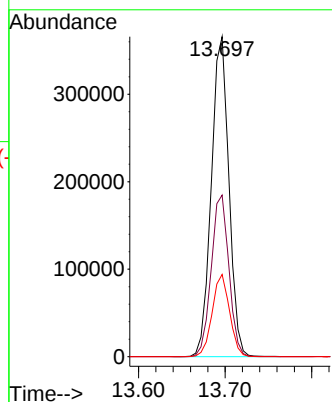
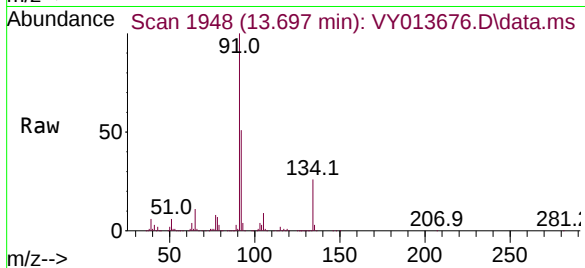
Tgt Ion: 91 Resp: 515159

Ion Ratio Lower Upper

91 100

92 50.9 25.8 77.3

134 25.4 13.5 40.4



#90

Hexachloroethane

Concen: 49.217 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.001 min

Lab File: VY013676.D

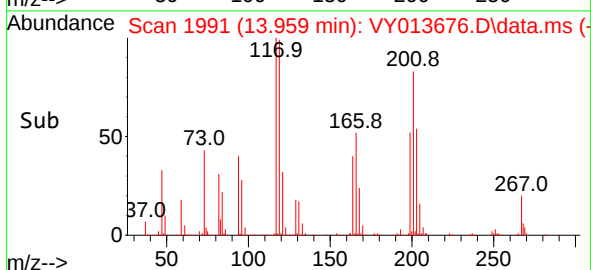
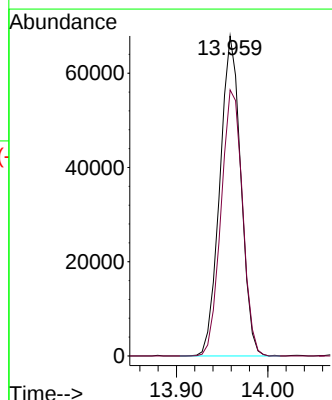
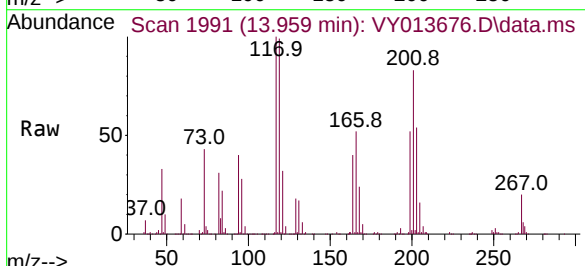
Acq: 09 May 2023 18:18

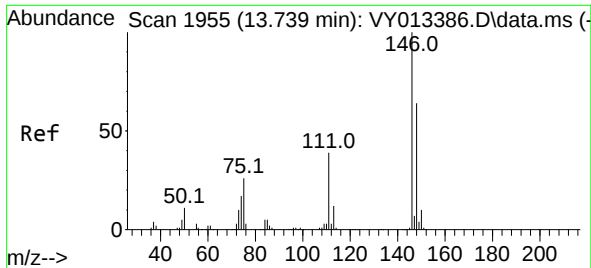
Tgt Ion: 117 Resp: 108690

Ion Ratio Lower Upper

117 100

201 84.7 41.6 124.8

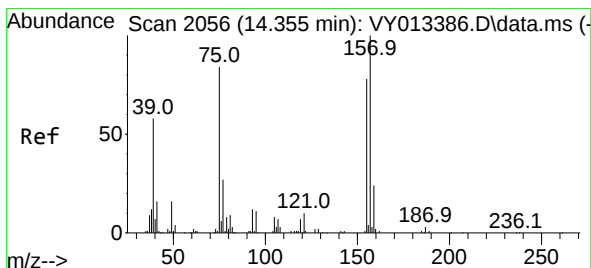
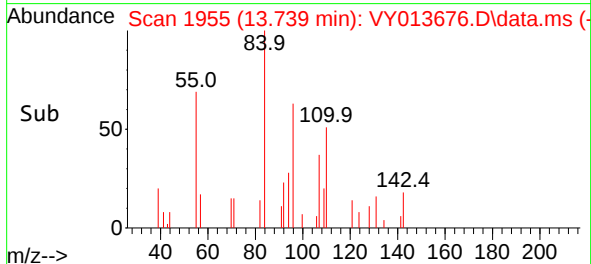
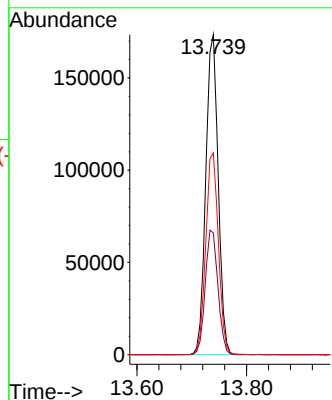
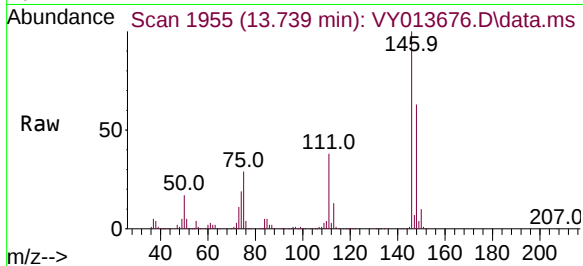




#91  
1,2-Dichlorobenzene  
Concen: 53.015 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

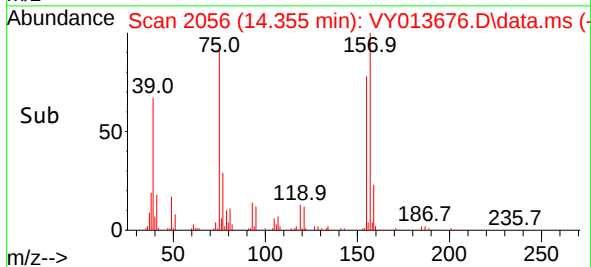
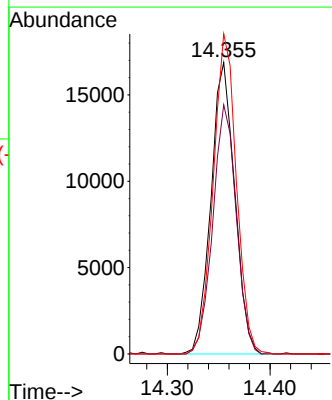
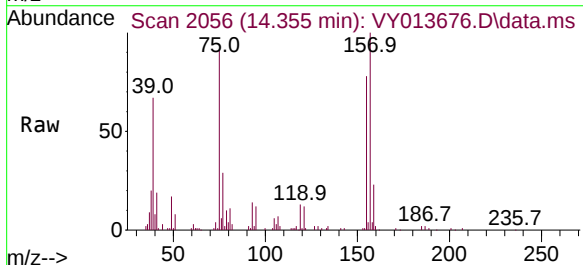
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

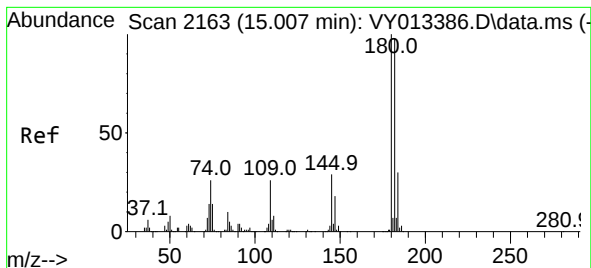
Tgt Ion:146 Resp: 271716  
Ion Ratio Lower Upper  
146 100  
111 39.9 19.8 59.4  
148 64.1 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.098 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY013676.D  
Acq: 09 May 2023 18:18

Tgt Ion: 75 Resp: 27120  
Ion Ratio Lower Upper  
75 100  
155 83.9 44.6 134.0  
157 107.0 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 52.777 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

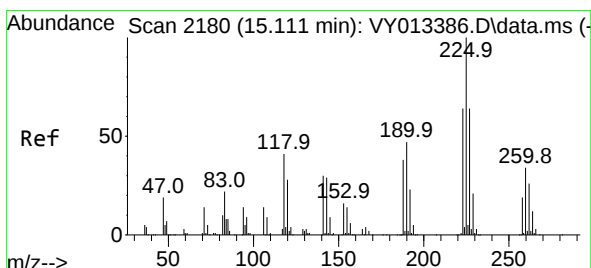
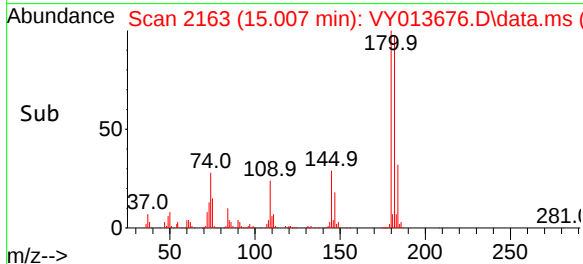
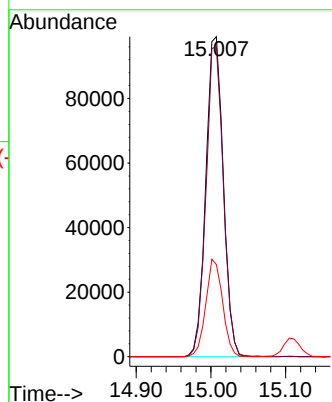
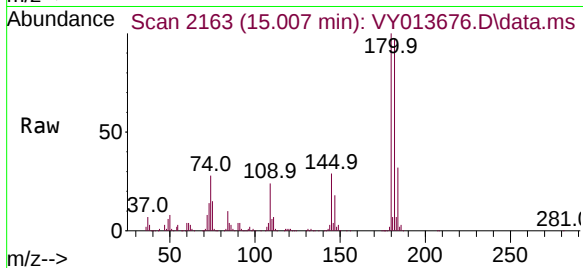
Tgt Ion:180 Resp: 161270

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.5

145 29.2 15.0 45.0



#94

Hexachlorobutadiene

Concen: 54.054 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

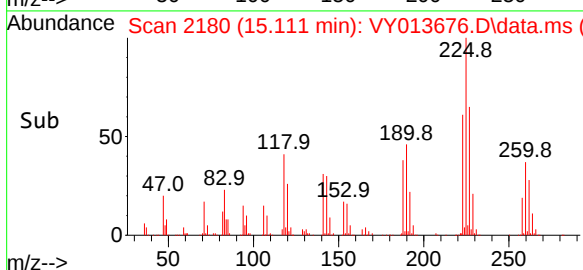
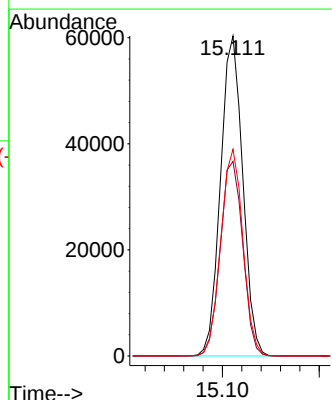
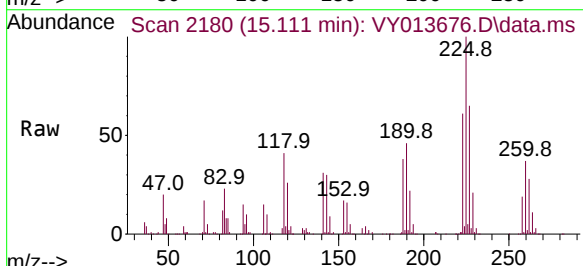
Tgt Ion:225 Resp: 96127

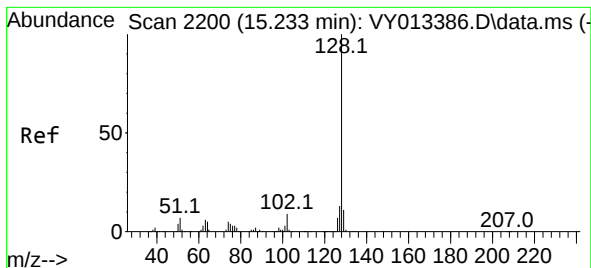
Ion Ratio Lower Upper

225 100

223 61.5 31.4 94.2

227 64.3 32.0 96.0





#95

Naphthalene

Concen: 53.387 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

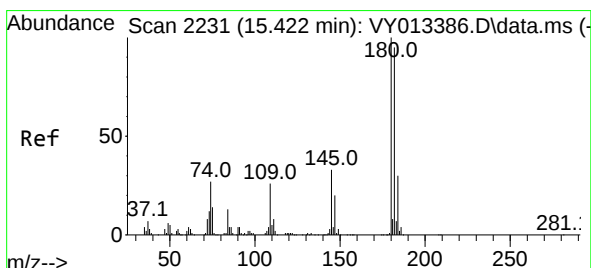
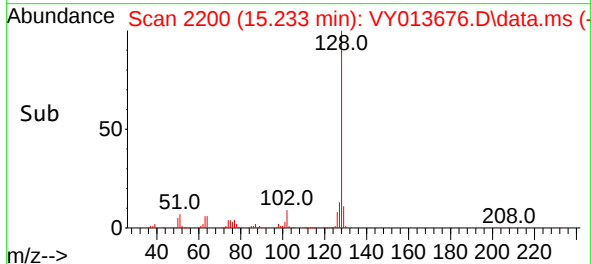
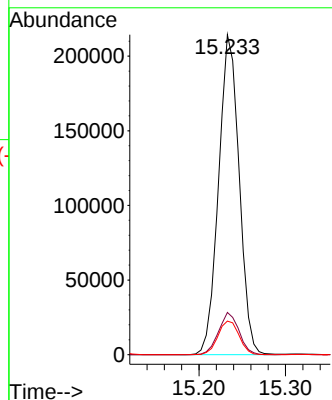
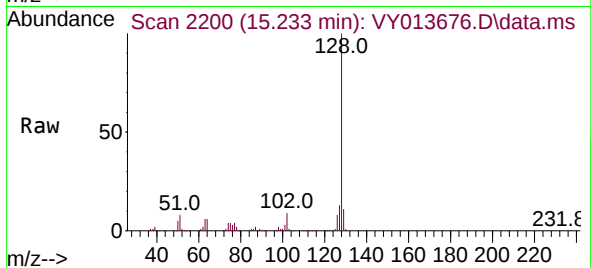
Tgt Ion:128 Resp: 353952

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.8 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 54.741 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013676.D

Acq: 09 May 2023 18:18

Tgt Ion:180 Resp: 149087

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.3

145 31.0 15.9 47.7

