

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
 Data File : VY014092.D  
 Acq On : 09 Jun 2023 12:15  
 Operator : KP/MD  
 Sample : VSTDICCC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC100

Quant Time: Jun 09 17:40:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 17:38:57 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 225147   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 341495   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 310832   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 161345   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 273061   | 87.095   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 174.200%# |          |
| 35) Dibromofluoromethane     | 7.716  | 113   | 228401   | 94.310   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 188.620%# |          |
| 50) Toluene-d8               | 10.179 | 98    | 813360   | 89.833   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 179.660%# |          |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 298978   | 92.957   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 185.920%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 229739   | 91.558   | ug/l        | 97       |
| 3) Chloromethane             | 2.113  | 50    | 275792   | 86.683   | ug/l        | 99       |
| 4) Vinyl Chloride            | 2.247  | 62    | 282817   | 91.429   | ug/l        | 99       |
| 5) Bromomethane              | 2.650  | 94    | 232046   | 90.919   | ug/l        | 99       |
| 6) Chloroethane              | 2.790  | 64    | 194086   | 92.337   | ug/l        | 99       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 474136   | 94.350   | ug/l        | 100      |
| 8) Diethyl Ether             | 3.528  | 74    | 158062   | 94.196   | ug/l        | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 244476   | 96.394   | ug/l        | 100      |
| 10) Methyl Iodide            | 4.089  | 142   | 348522   | 104.069  | ug/l        | 99       |
| 11) Tert butyl alcohol       | 4.973  | 59    | 167260   | 493.764  | ug/l #      | 84       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 241574   | 93.973   | ug/l        | 98       |
| 13) Acrolein                 | 3.735  | 56    | 74493    | 484.602  | ug/l        | 95       |
| 14) Allyl chloride           | 4.479  | 41    | 429132   | 92.093   | ug/l        | 97       |
| 15) Acrylonitrile            | 5.162  | 53    | 422365   | 487.992  | ug/l        | 100      |
| 16) Acetone                  | 3.954  | 43    | 497028   | 525.928  | ug/l        | 99       |
| 17) Carbon Disulfide         | 4.192  | 76    | 769708   | 92.400   | ug/l        | 100      |
| 18) Methyl Acetate           | 4.479  | 43    | 340333   | 92.779   | ug/l        | 99       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 745573   | 98.337   | ug/l        | 100      |
| 20) Methylene Chloride       | 4.716  | 84    | 274996   | 94.324   | ug/l        | 98       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 269344   | 93.940   | ug/l        | 98       |
| 22) Diisopropyl ether        | 6.119  | 45    | 866935   | 97.170   | ug/l        | 97       |
| 23) Vinyl Acetate            | 6.058  | 43    | 2688588  | 510.746  | ug/l        | 100      |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 485255   | 94.334   | ug/l        | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 618991   | 532.092  | ug/l        | 98       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 462770   | 95.783   | ug/l        | 99       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 309103   | 96.371   | ug/l        | 100      |
| 28) Bromochloromethane       | 7.332  | 49    | 195182   | 93.304   | ug/l        | 99       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 379180   | 514.024  | ug/l        | 99       |
| 30) Chloroform               | 7.509  | 83    | 510649   | 93.572   | ug/l        | 95       |
| 31) Cyclohexane              | 7.783  | 56    | 398243   | 94.821   | ug/l        | 97       |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 467009   | 94.882   | ug/l        | 99       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 373735   | 98.986   | ug/l        | 100      |
| 37) Ethyl Acetate            | 7.070  | 43    | 273157   | 104.854  | ug/l        | 100      |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 430124   | 98.720   | ug/l        | 98       |
| 39) Methylcyclohexane        | 9.179  | 83    | 442415   | 105.611  | ug/l        | 100      |
| 40) Benzene                  | 8.161  | 78    | 1088138  | 96.920   | ug/l        | 100      |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC100

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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 17:38:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 367125   | 269.207  | ug/l # | 17       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 385053   | 96.985   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 475446   | 104.128  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 290035   | 96.690   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 278319   | 97.597   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 173441   | 98.805   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 403639   | 98.206   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 227976   | 107.049  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 48633    | 2111.351 | ug/l # | 46       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 1318774  | 531.629  | ug/l   | 100      |
| 52) Toluene                   | 10.240 | 92   | 682886   | 98.119   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 437619   | 101.142  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 467424   | 99.014   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 226585   | 97.318   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 338300   | 105.342  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 393867   | 98.910   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 748526   | 490.522  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 991289   | 553.281  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.984 | 129  | 297975   | 99.992   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 229525   | 99.887   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 259620   | 97.991   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 732247   | 98.041   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 290412   | 98.858   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 1339893  | 102.491  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.697 | 106  | 1021958  | 203.232  | ug/l   | 99       |
| 69) o-Xylene                  | 12.026 | 106  | 488492   | 102.750  | ug/l   | 99       |
| 70) Styrene                   | 12.038 | 104  | 836505   | 103.093  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 205524   | 102.156  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 1276132  | 103.680  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 426140   | 109.254  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 281813   | 102.467  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 384108   | 186.875  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 322707   | 99.754   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.666 | 91   | 1552902  | 103.295  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 878497   | 101.556  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 1067035  | 101.246  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 105058   | 107.282  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 914225   | 99.732   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 936497   | 104.566  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 1063641  | 101.956  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 1346019  | 103.374  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1131179  | 101.508  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 609272   | 98.642   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.441 | 146  | 598916   | 96.239   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.690 | 91   | 1066267  | 103.162  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 220429   | 99.267   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 548481   | 98.871   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 54774    | 104.583  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 365846   | 104.104  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 202391   | 99.756   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 793627   | 111.261  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 327769   | 103.217  | ug/l   | 99       |

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ALS Vial : 7 Sample Multiplier: 1

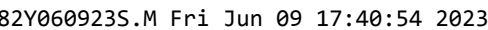
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC100

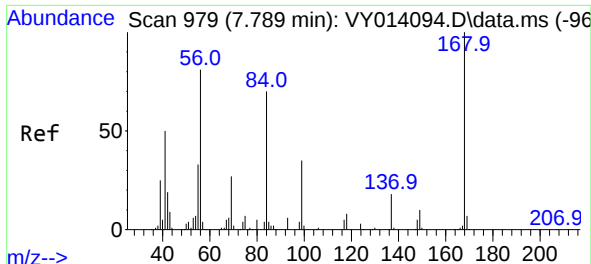
Quant Time: Jun 09 17:40:50 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 09 17:38:57 2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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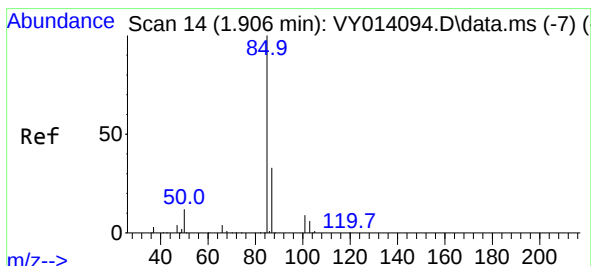
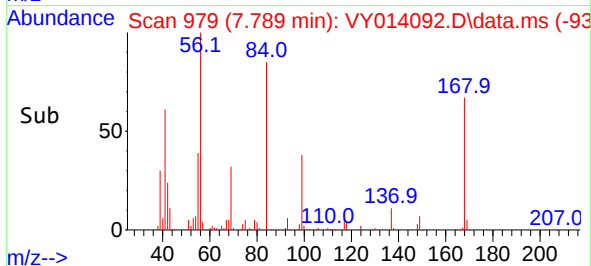
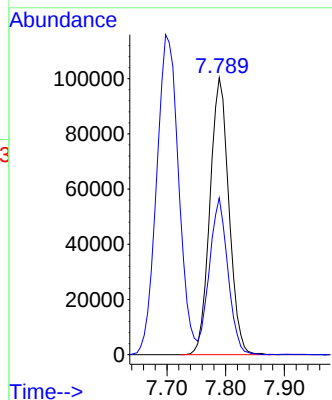
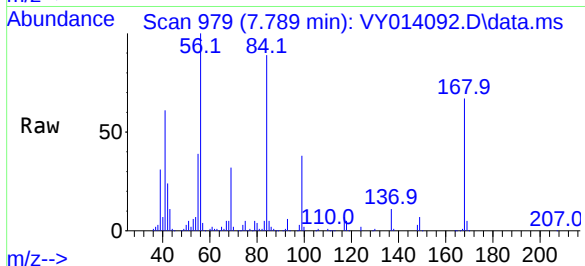




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

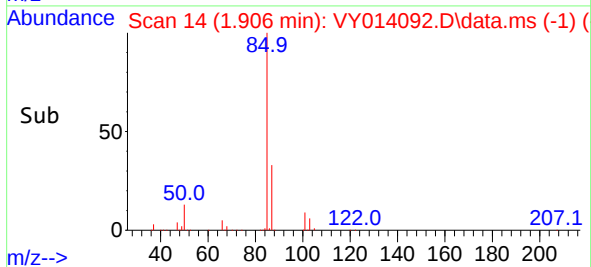
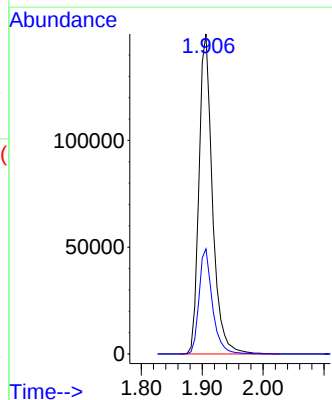
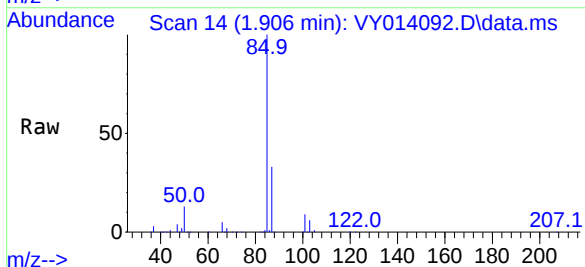
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion:168 Resp: 225147  
Ion Ratio Lower Upper  
168 100  
99 56.5 43.4 65.0

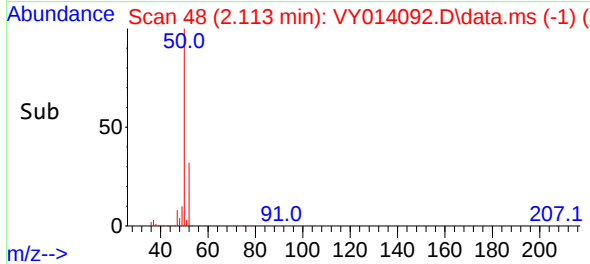
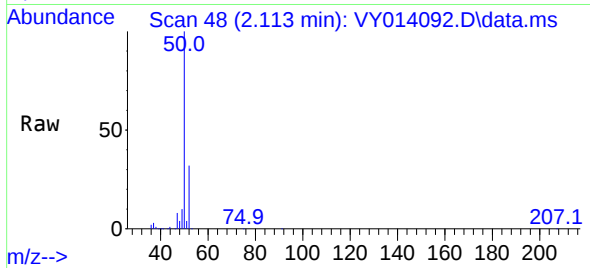
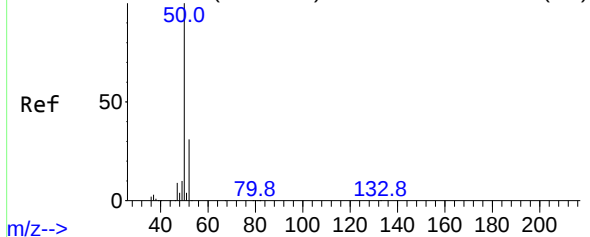


#2  
Dichlorodifluoromethane  
Concen: 91.558 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 85 Resp: 229739  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.6 46.8



Abundance Scan 48 (2.113 min): VY014094.D\data.ms (-42)



#3

Chloromethane

Concen: 86.683 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

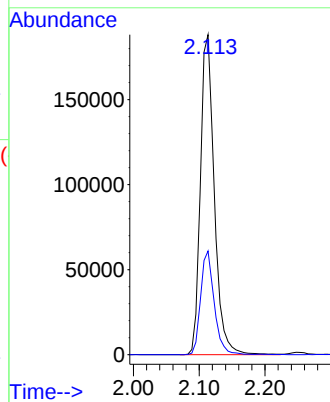
VSTDIC100

Tgt Ion: 50 Resp: 275792

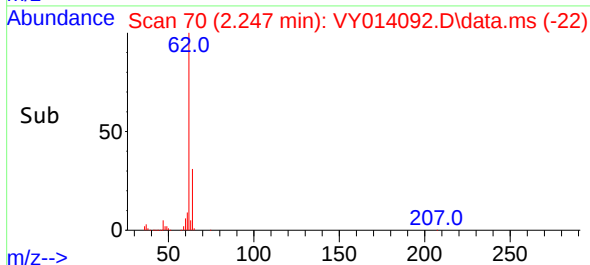
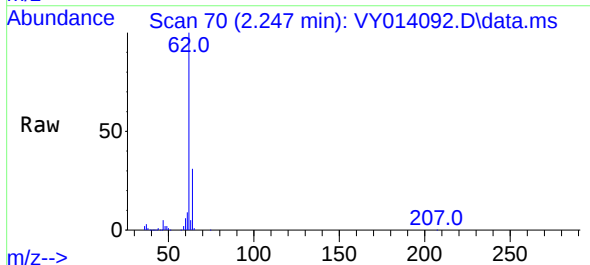
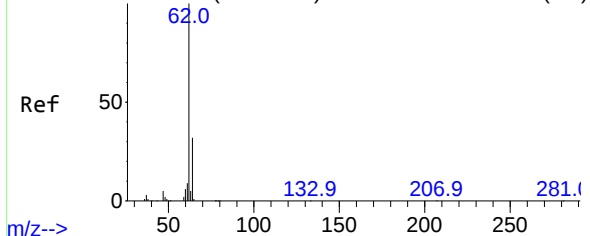
Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



Abundance Scan 71 (2.253 min): VY014094.D\data.ms (-63)



#4

Vinyl Chloride

Concen: 91.429 ug/l

RT: 2.247 min Scan# 70

Delta R.T. -0.006 min

Lab File: VY014092.D

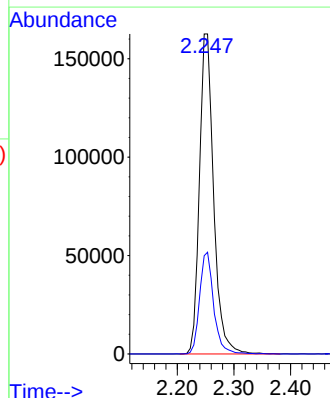
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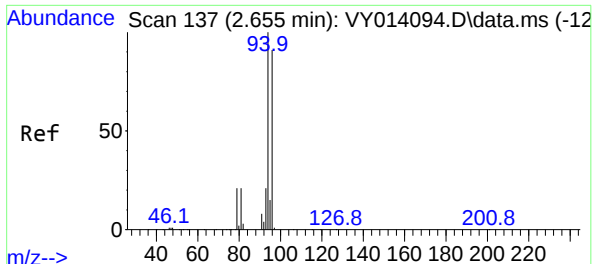
Tgt Ion: 62 Resp: 282817

Ion Ratio Lower Upper

62 100

64 30.7 24.3 36.5

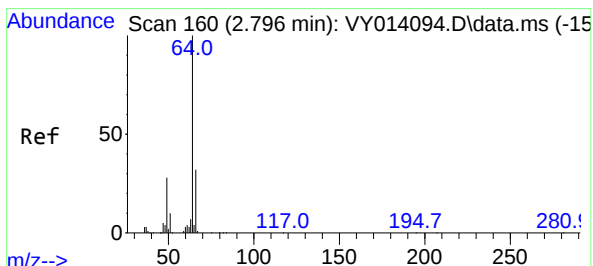
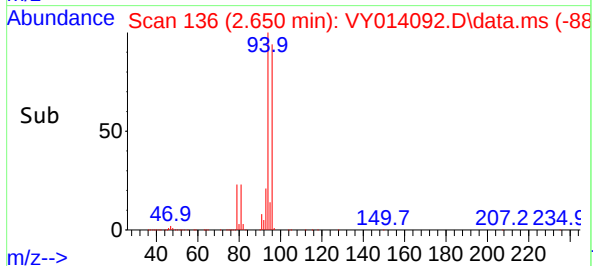
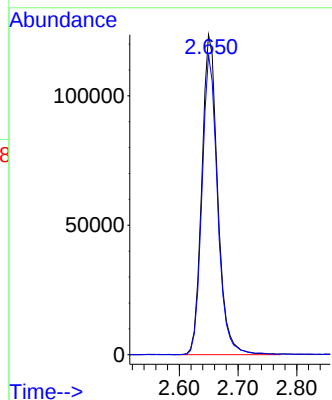
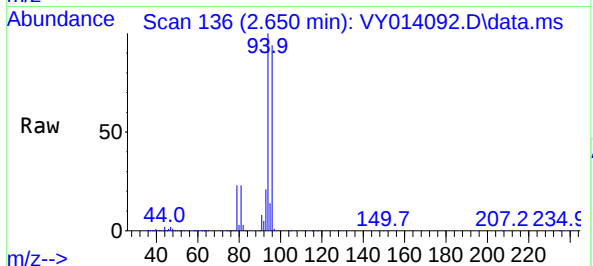




#5  
Bromomethane  
Concen: 90.919 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

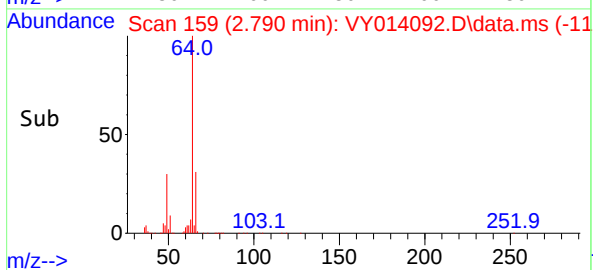
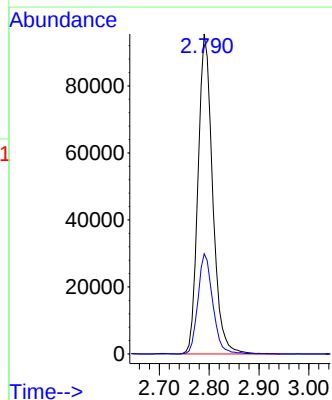
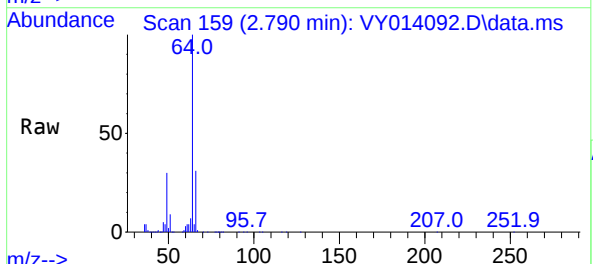
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

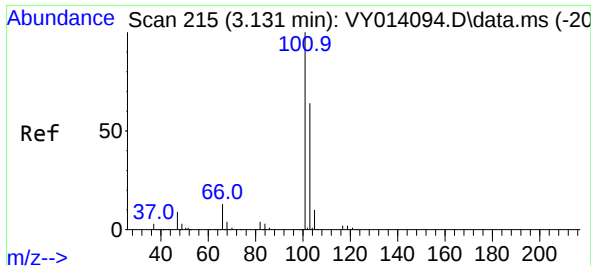
Tgt Ion: 94 Resp: 232046  
Ion Ratio Lower Upper  
94 100  
96 93.7 75.8 113.6



#6  
Chloroethane  
Concen: 92.337 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 64 Resp: 194086  
Ion Ratio Lower Upper  
64 100  
66 31.3 24.4 36.6

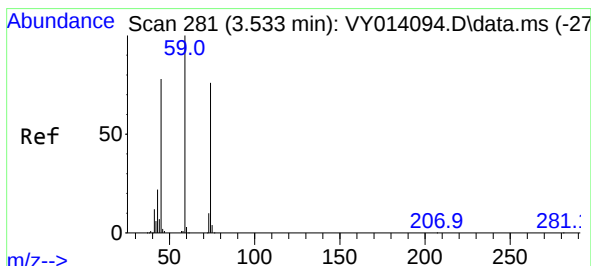
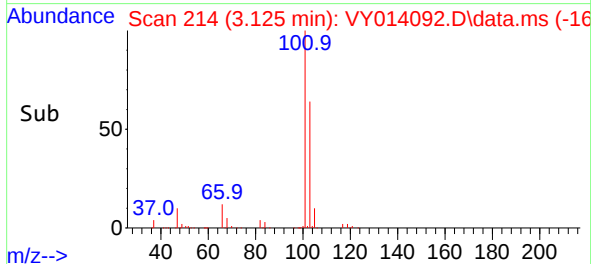
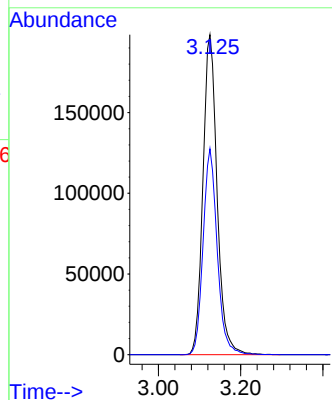
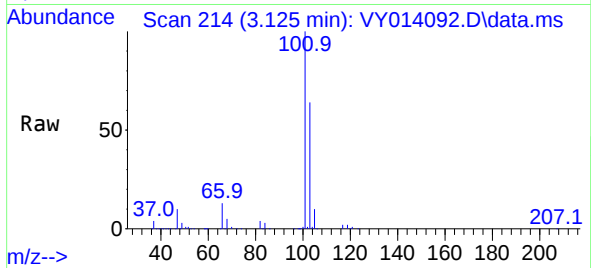




#7  
Trichlorofluoromethane  
Concen: 94.350 ug/l  
RT: 3.125 min Scan# 215  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

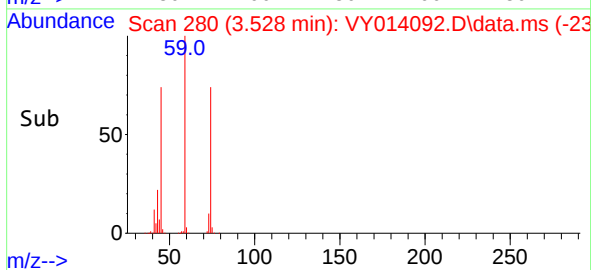
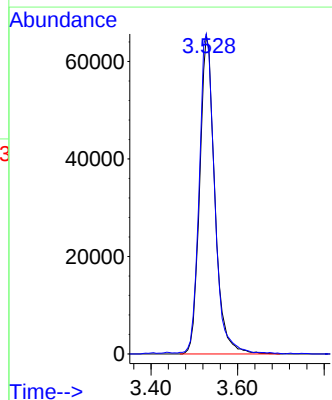
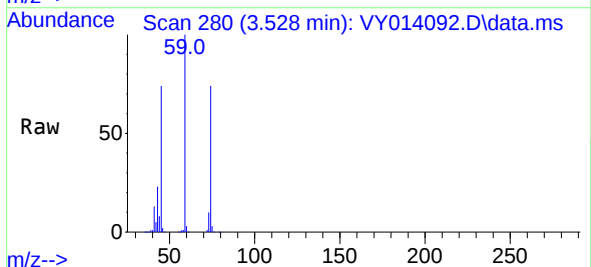
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

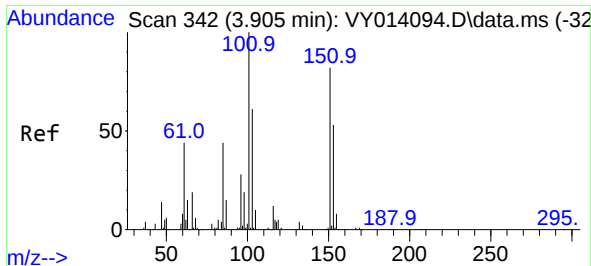
Tgt Ion:101 Resp: 474136  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.0



#8  
Diethyl Ether  
Concen: 94.196 ug/l  
RT: 3.528 min Scan# 280  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 74 Resp: 158062  
Ion Ratio Lower Upper  
74 100  
45 101.5 51.5 154.5

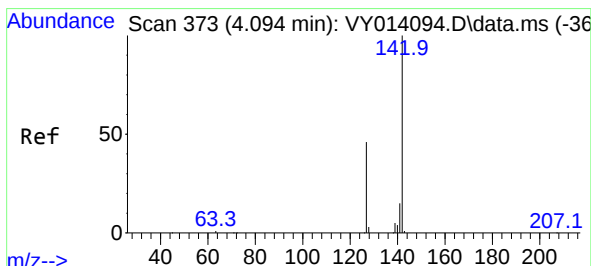
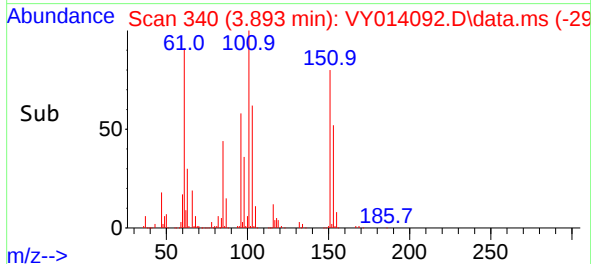
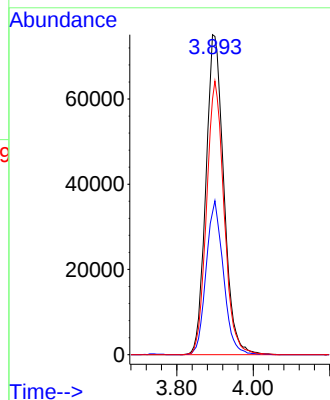
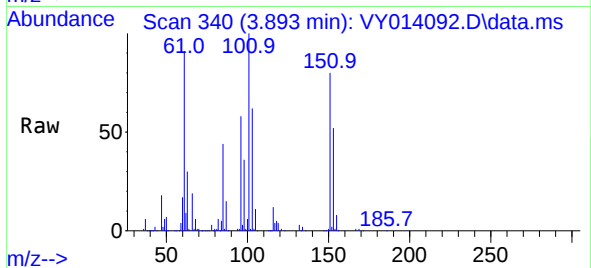




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 96.394 ug/l  
RT: 3.893 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

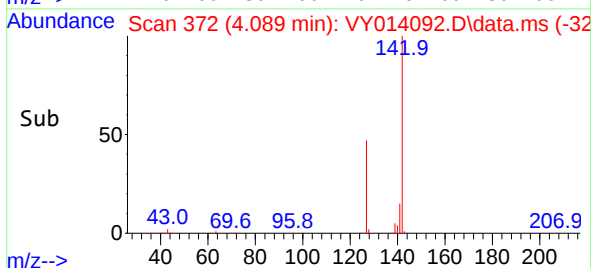
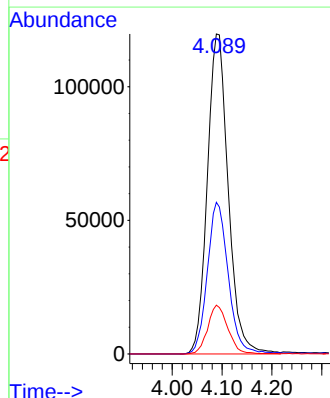
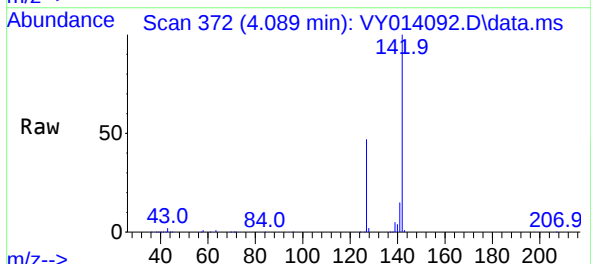
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

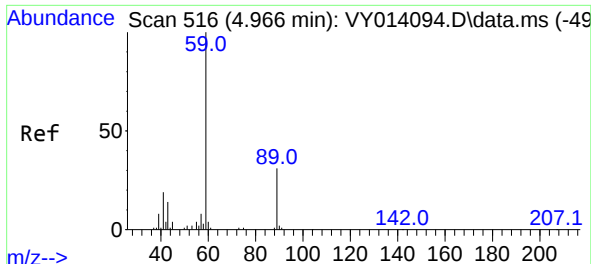
Tgt Ion:101 Resp: 244476  
Ion Ratio Lower Upper  
101 100  
85 46.3 36.6 55.0  
151 83.7 67.0 100.6



#10  
Methyl Iodide  
Concen: 104.069 ug/l  
RT: 4.089 min Scan# 372  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:142 Resp: 348522  
Ion Ratio Lower Upper  
142 100  
127 47.7 37.6 56.4  
141 14.7 11.8 17.8

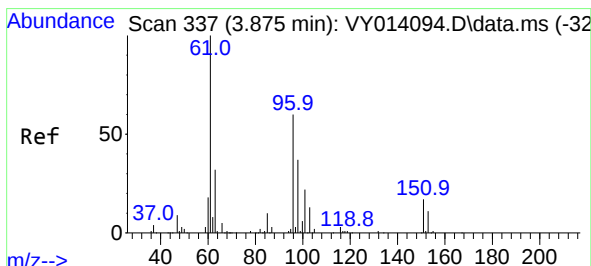
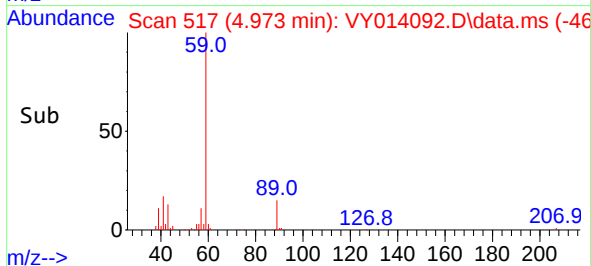
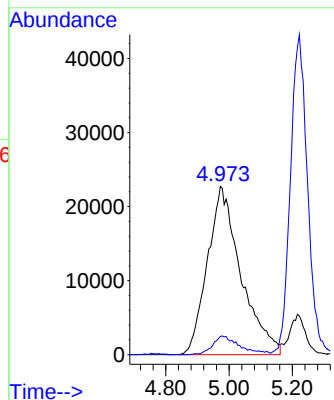
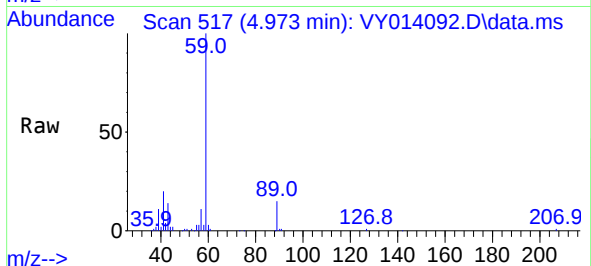




#11  
Tert butyl alcohol  
Concen: 493.764 ug/l  
RT: 4.973 min Scan# 516  
Delta R.T. 0.007 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

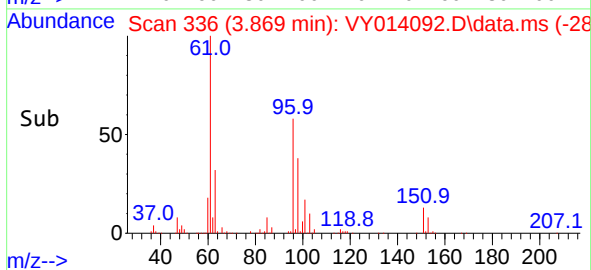
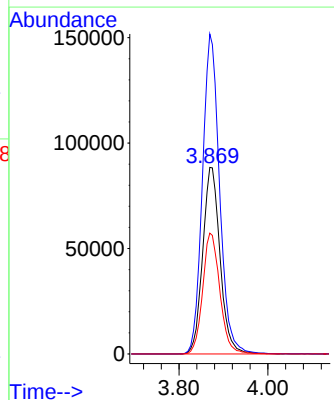
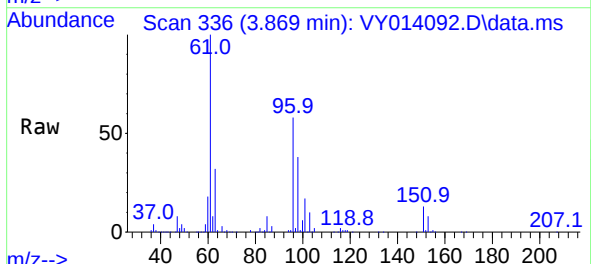
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

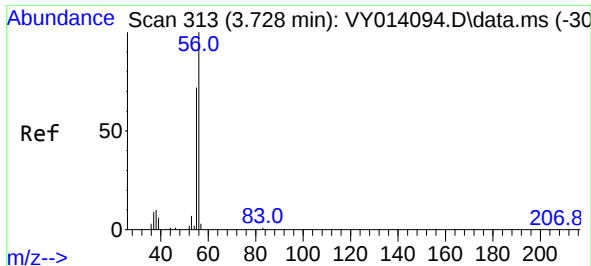
Tgt Ion: 59 Resp: 167260  
Ion Ratio Lower Upper  
59 100  
57 9.0 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 93.973 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 96 Resp: 241574  
Ion Ratio Lower Upper  
96 100  
61 171.5 136.4 204.6  
98 64.8 49.4 74.2

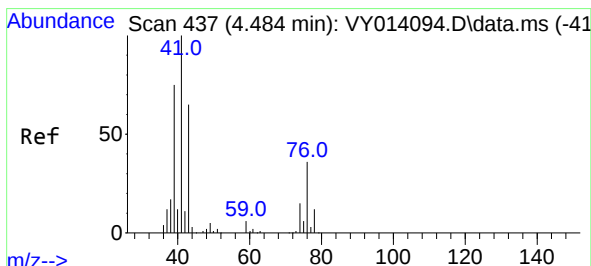
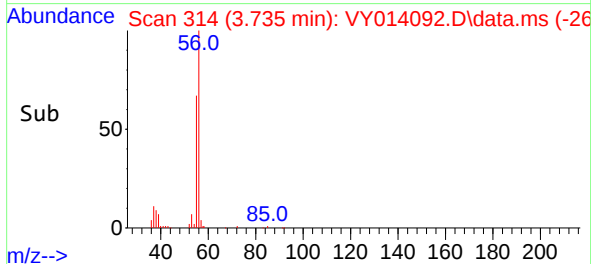
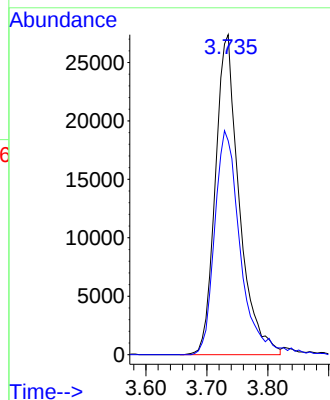
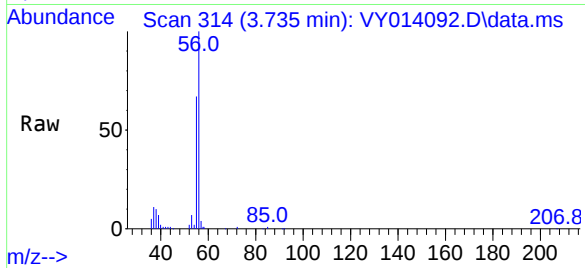




#13  
Acrolein  
Concen: 484.602 ug/l  
RT: 3.735 min Scan# 313  
Delta R.T. 0.007 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

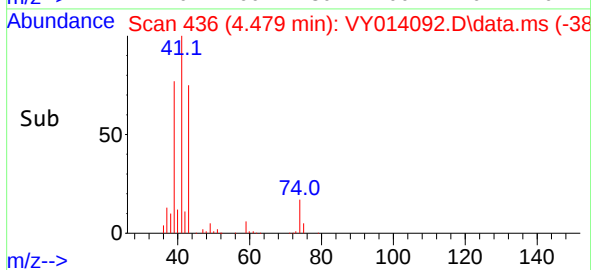
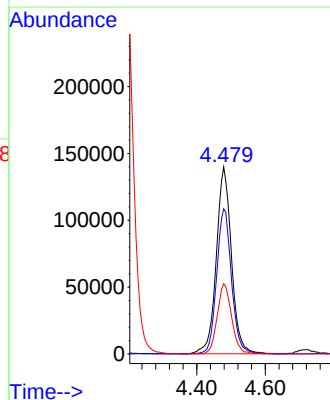
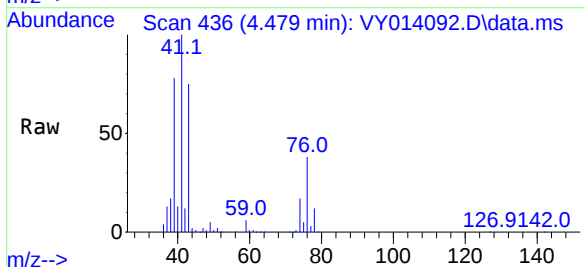
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

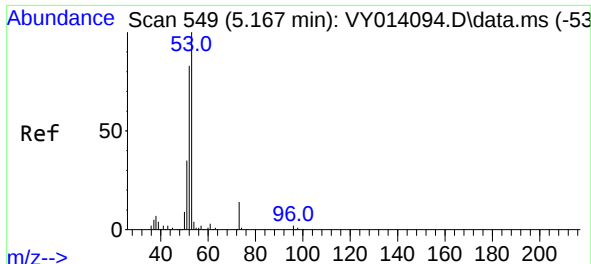
Tgt Ion: 56 Resp: 74493  
Ion Ratio Lower Upper  
56 100  
55 75.7 57.0 85.4



#14  
Allyl chloride  
Concen: 92.093 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 41 Resp: 429132  
Ion Ratio Lower Upper  
41 100  
39 75.6 58.0 87.0  
76 35.2 27.4 41.2



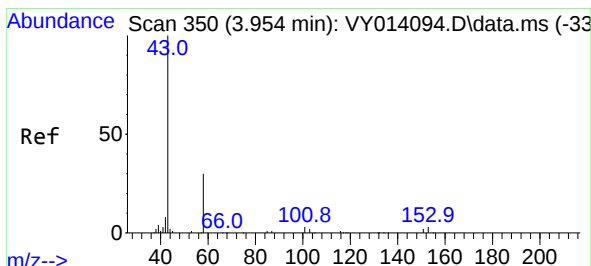
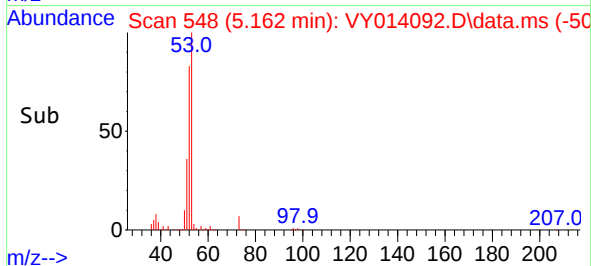
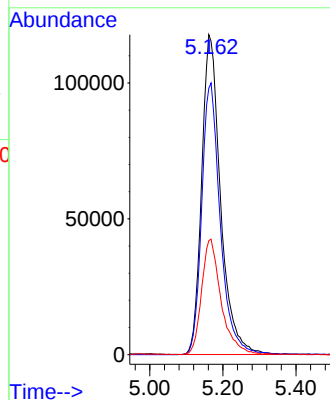
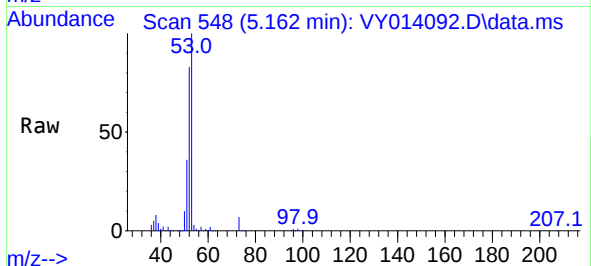


#15  
Acrylonitrile  
Concen: 487.992 ug/l  
RT: 5.162 min Scan# 54  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Tgt Ion: 53 Resp: 422365

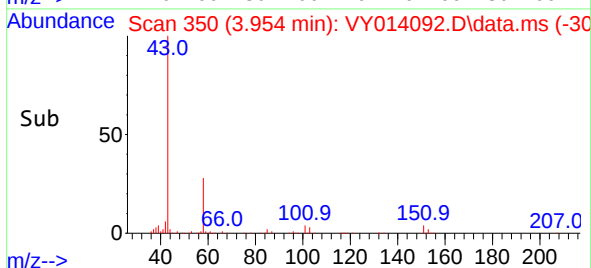
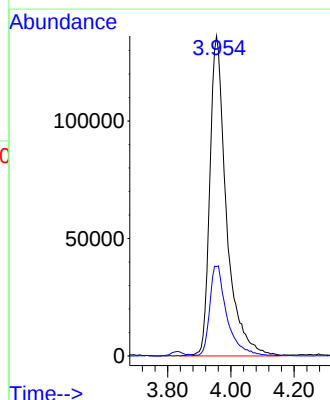
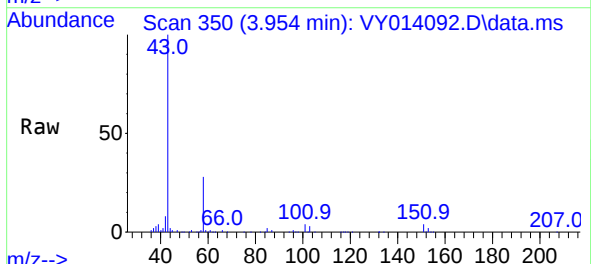
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.6  | 66.9  | 100.3 |
| 51  | 37.2  | 29.8  | 44.6  |

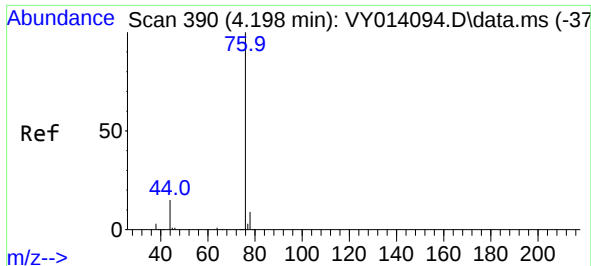


#16  
Acetone  
Concen: 525.928 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 43 Resp: 497028

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.8  | 22.7  | 34.1  |

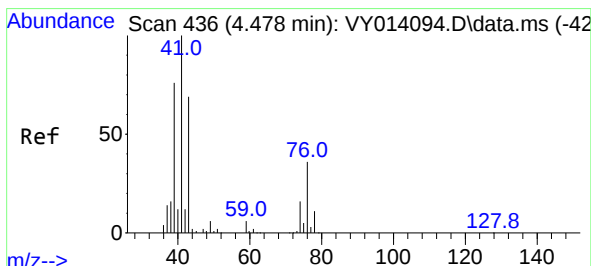
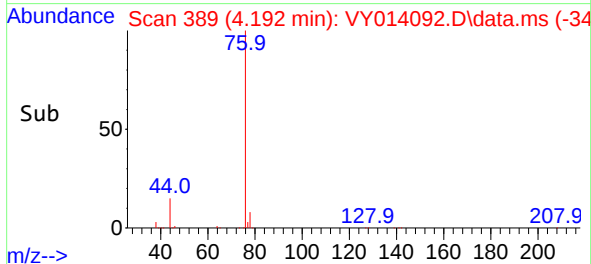
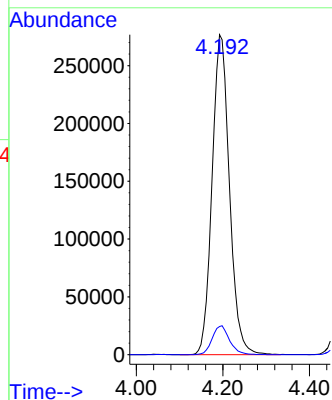
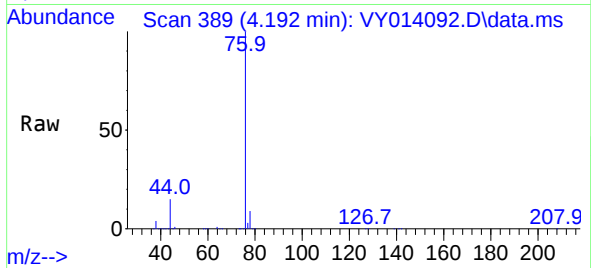




#17  
Carbon Disulfide  
Concen: 92.400 ug/l  
RT: 4.192 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

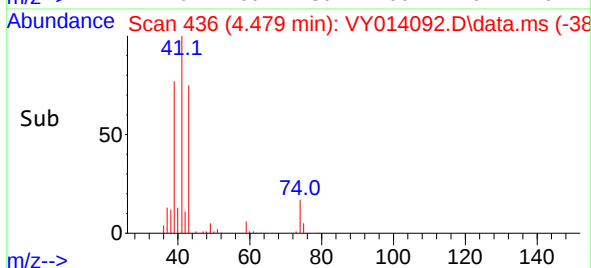
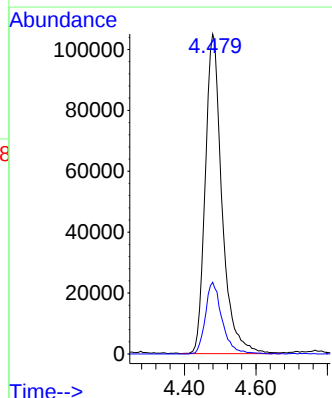
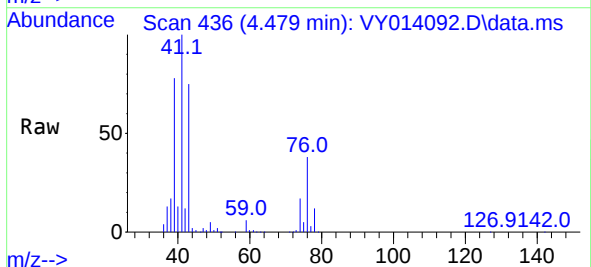
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

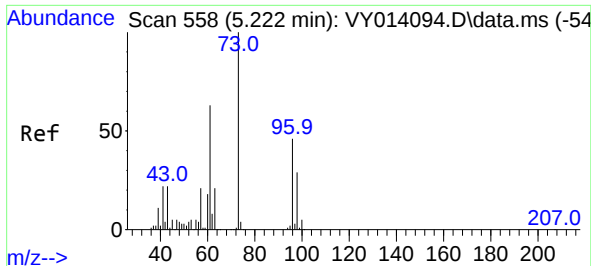
Tgt Ion: 76 Resp: 769708  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.4



#18  
Methyl Acetate  
Concen: 92.779 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 43 Resp: 340333  
Ion Ratio Lower Upper  
43 100  
74 22.4 17.4 26.0

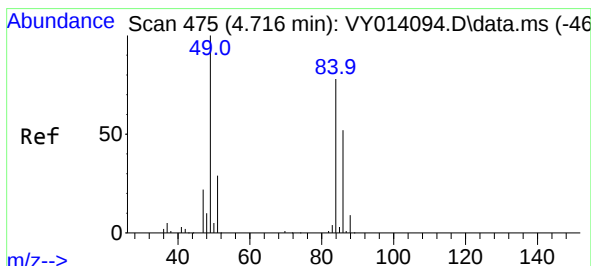
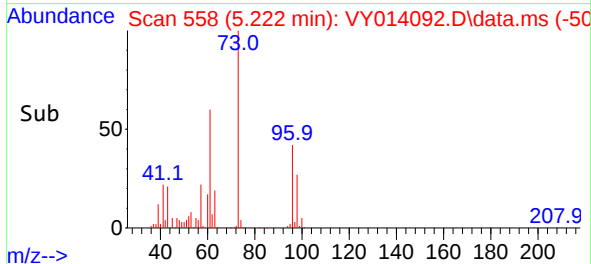
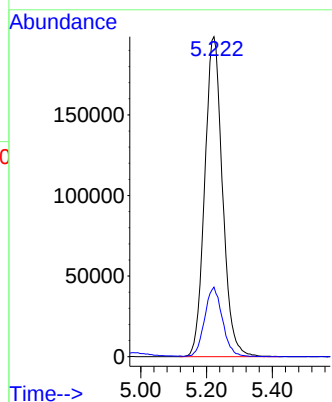
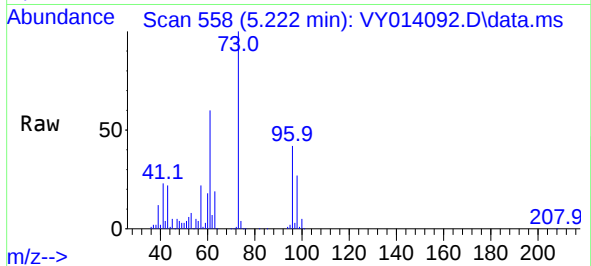




#19  
Methyl tert-butyl Ether  
Concen: 98.337 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

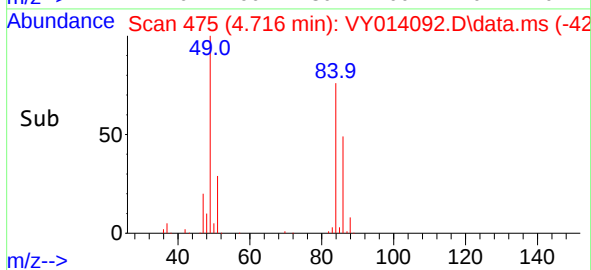
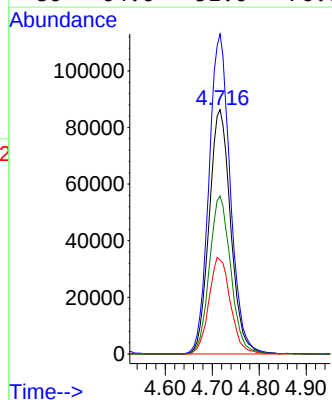
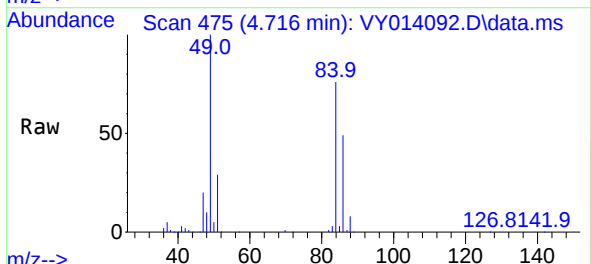
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

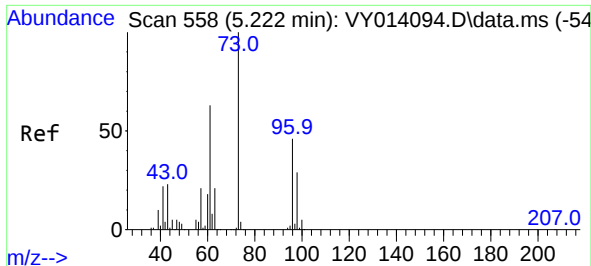
Tgt Ion: 73 Resp: 745573  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.3 25.9



#20  
Methylene Chloride  
Concen: 94.324 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 84 Resp: 274996  
Ion Ratio Lower Upper  
84 100  
49 131.0 106.9 160.3  
51 38.4 33.2 49.8  
86 64.6 51.0 76.6

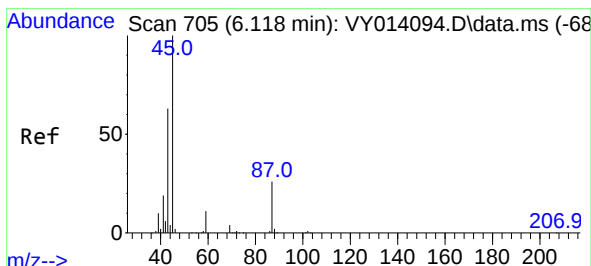
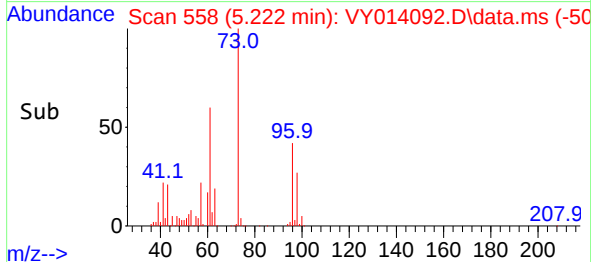
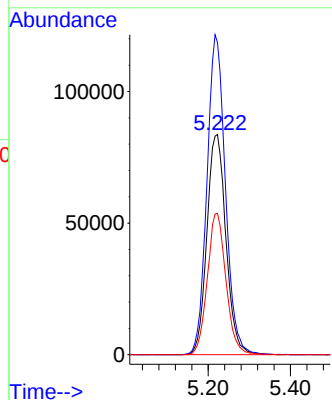
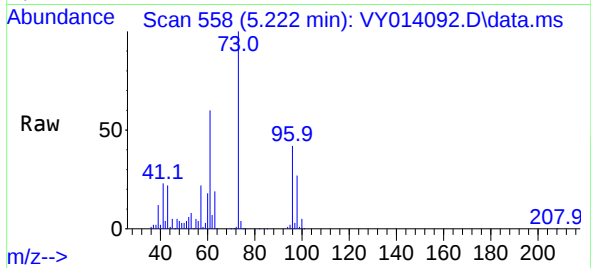




#21  
trans-1,2-Dichloroethene  
Concen: 93.940 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

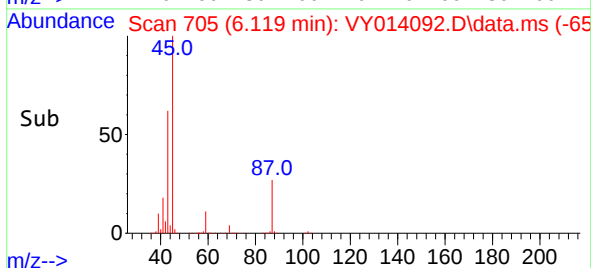
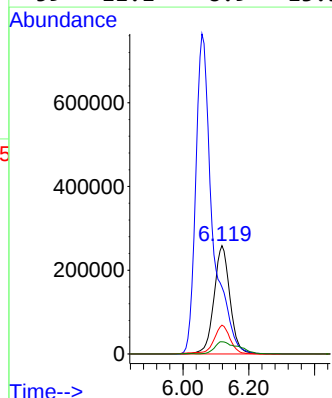
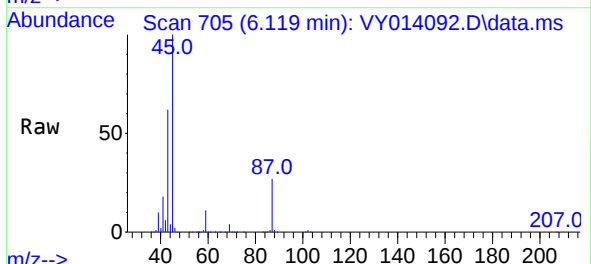
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

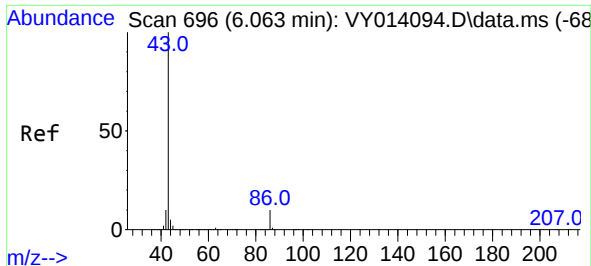
Tgt Ion: 96 Resp: 269344  
Ion Ratio Lower Upper  
96 100  
61 141.7 110.2 165.4  
98 64.1 51.8 77.6



#22  
Diisopropyl ether  
Concen: 97.170 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 45 Resp: 866935  
Ion Ratio Lower Upper  
45 100  
43 61.7 52.2 78.4  
87 26.6 21.0 31.6  
59 11.1 8.9 13.3

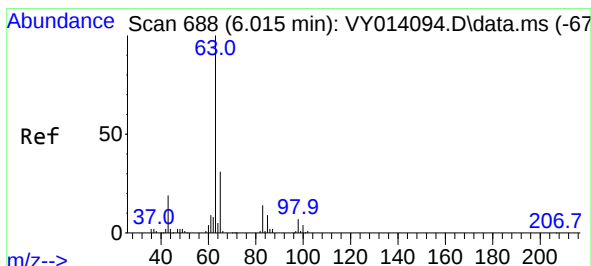
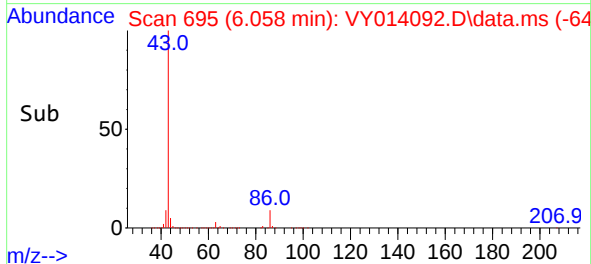
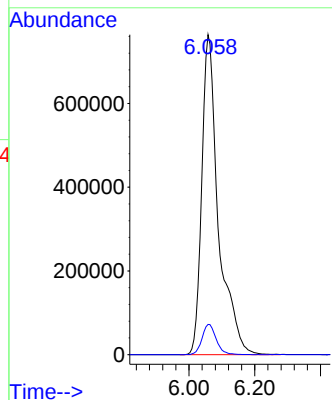
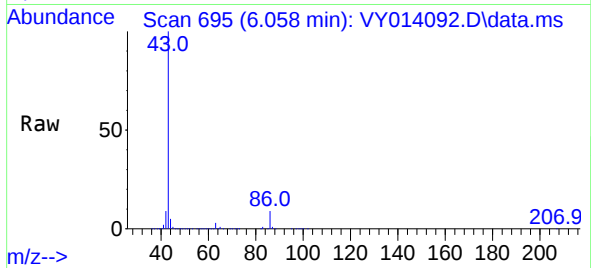




#23  
 Vinyl Acetate  
 Concen: 510.746 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.005 min  
 Lab File: VY014092.D  
 Acq: 09 Jun 2023 12:15

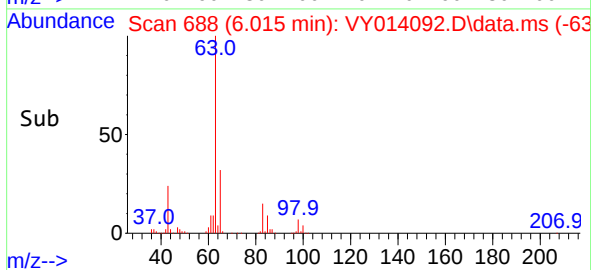
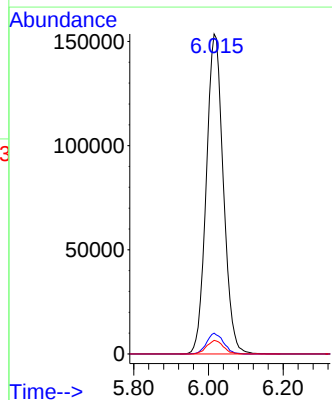
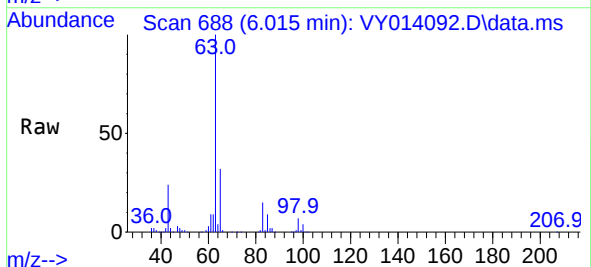
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

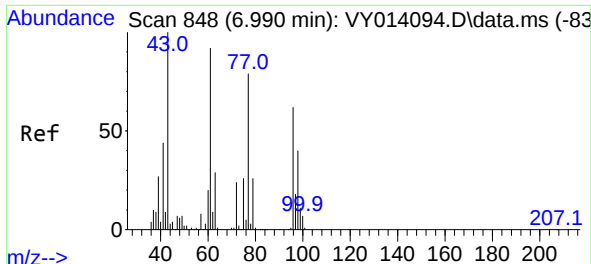
Tgt Ion: 43 Resp: 2688588  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 94.334 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. 0.000 min  
 Lab File: VY014092.D  
 Acq: 09 Jun 2023 12:15

Tgt Ion: 63 Resp: 485255  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.1 9.4  
 100 4.2 1.8 5.5

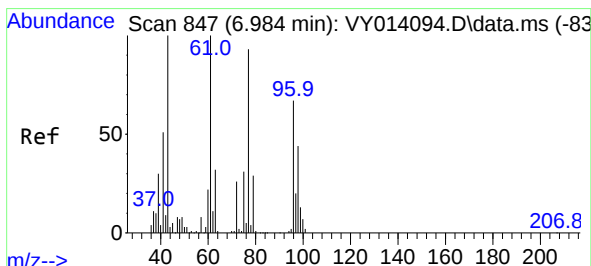
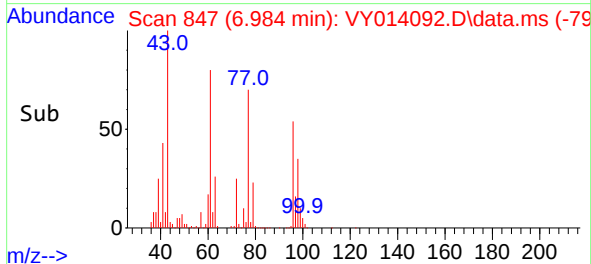
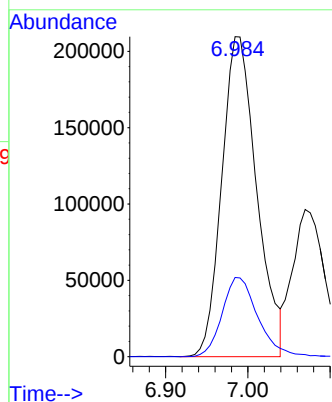
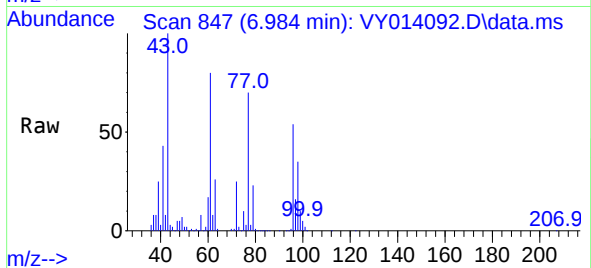




#25  
2-Butanone  
Concen: 532.092 ug/l  
RT: 6.984 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

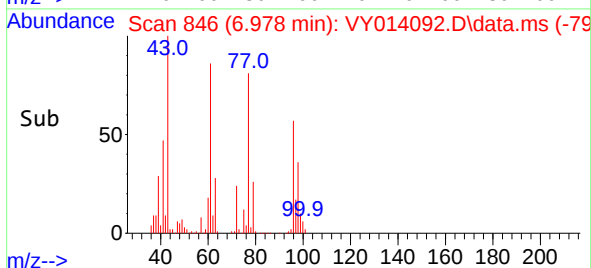
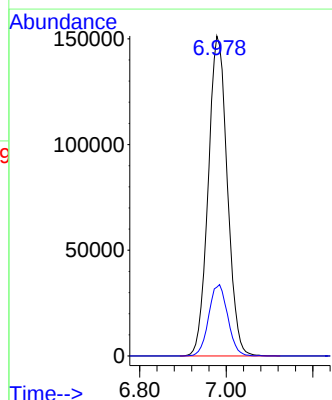
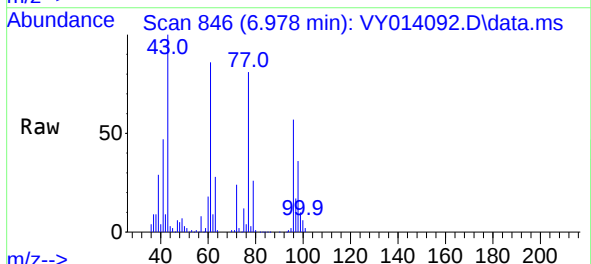
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

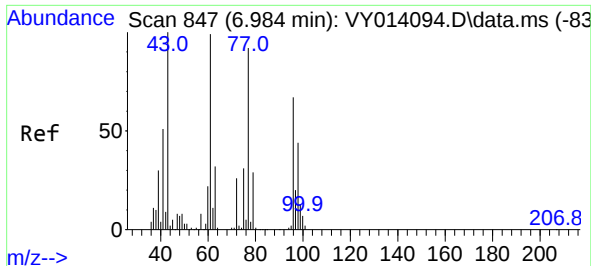
Tgt Ion: 43 Resp: 618991  
Ion Ratio Lower Upper  
43 100  
72 24.7 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 95.783 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 77 Resp: 462770  
Ion Ratio Lower Upper  
77 100  
97 22.2 10.9 32.9

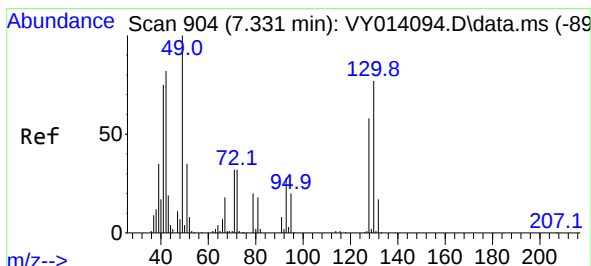
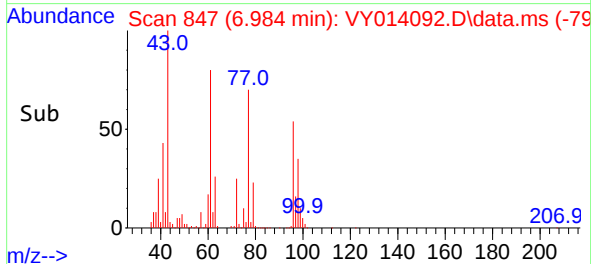
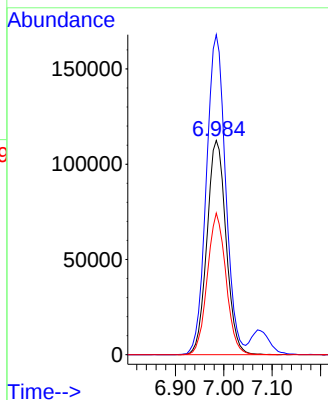
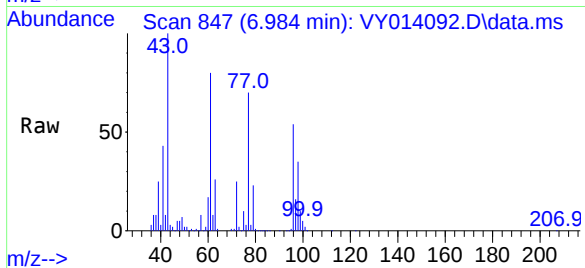




#27  
cis-1,2-Dichloroethene  
Concen: 96.371 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

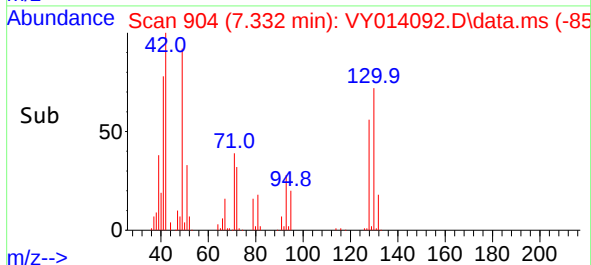
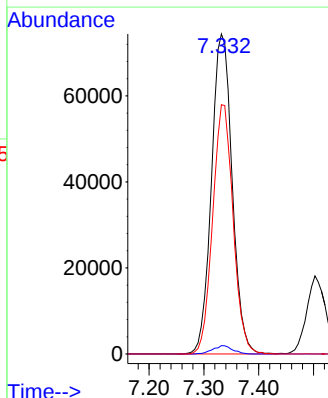
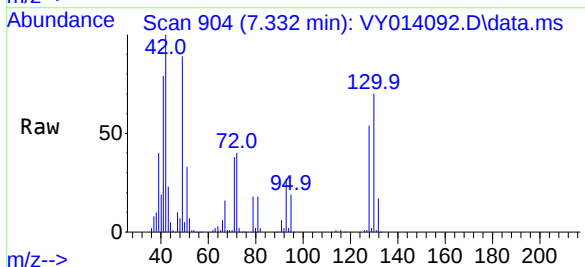
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

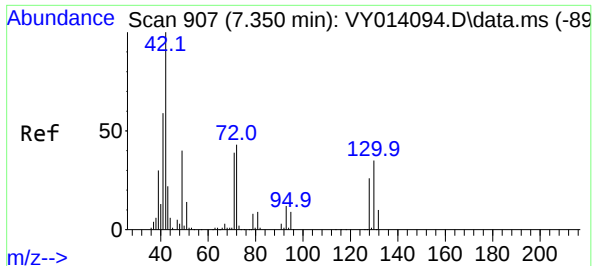
Tgt Ion: 96 Resp: 309103  
Ion Ratio Lower Upper  
96 100  
61 150.5 0.0 301.4  
98 64.7 0.0 130.4



#28  
Bromochloromethane  
Concen: 93.304 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 49 Resp: 195182  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 4.6  
130 76.7 60.7 91.1

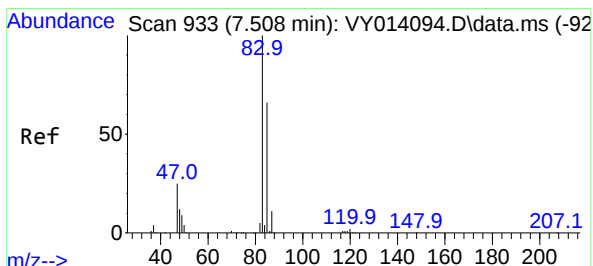
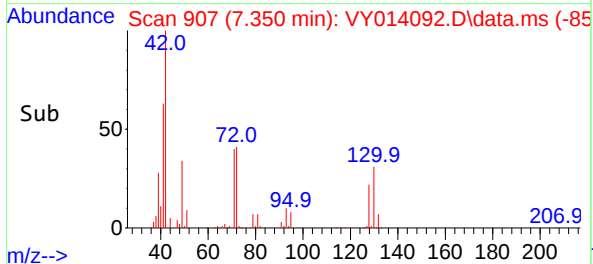
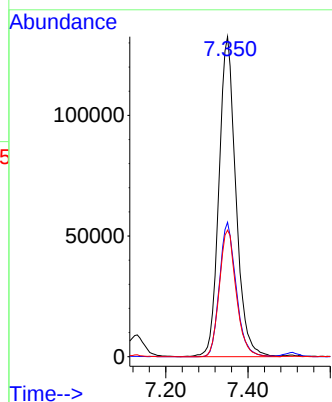
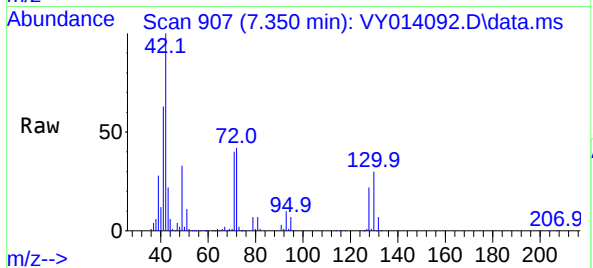




#29  
Tetrahydrofuran  
Concen: 514.024 ug/l  
RT: 7.350 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

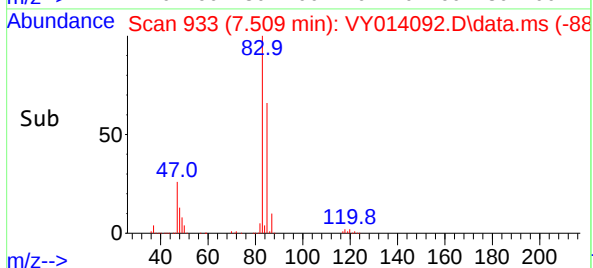
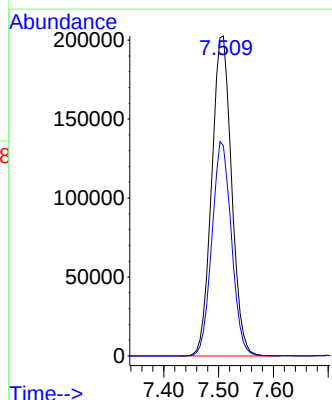
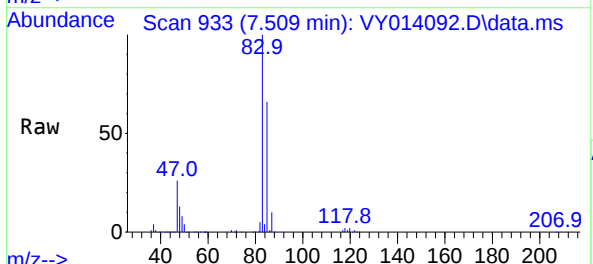
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

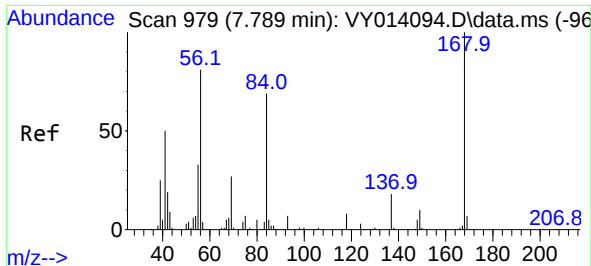
Tgt Ion: 42 Resp: 379180  
Ion Ratio Lower Upper  
42 100  
72 41.1 32.8 49.2  
71 39.4 31.0 46.4



#30  
Chloroform  
Concen: 93.572 ug/l  
RT: 7.509 min Scan# 933  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

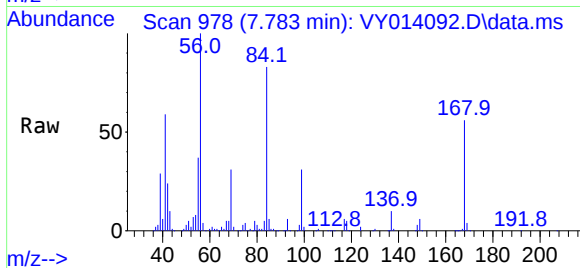
Tgt Ion: 83 Resp: 510649  
Ion Ratio Lower Upper  
83 100  
85 65.6 49.7 74.5





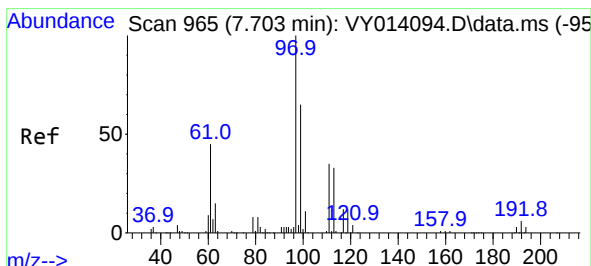
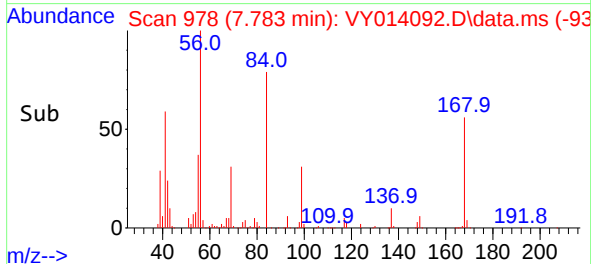
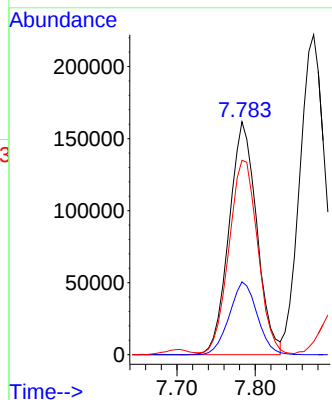
#31  
Cyclohexane  
Concen: 94.821 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100



Tgt Ion: 56 Resp: 398243

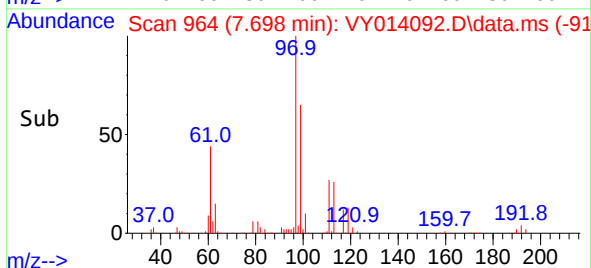
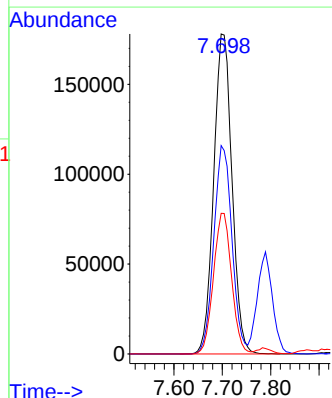
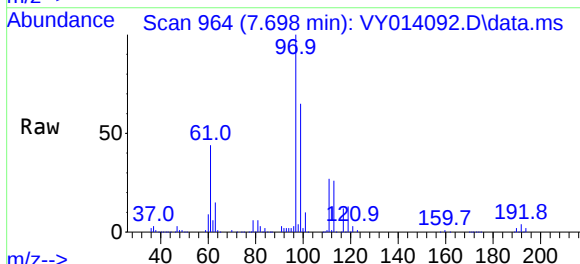
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.2  | 27.8  | 41.6  |
| 84  | 81.3  | 66.4  | 99.6  |

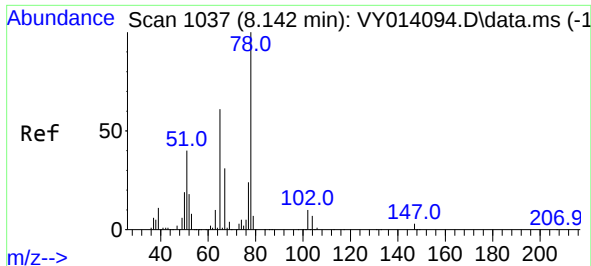


#32  
1,1,1-Trichloroethane  
Concen: 94.882 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 97 Resp: 467009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.8  | 50.8  | 76.2  |
| 61  | 43.6  | 35.1  | 52.7  |





#33

1,2-Dichloroethane-d4

Concen: 87.095 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

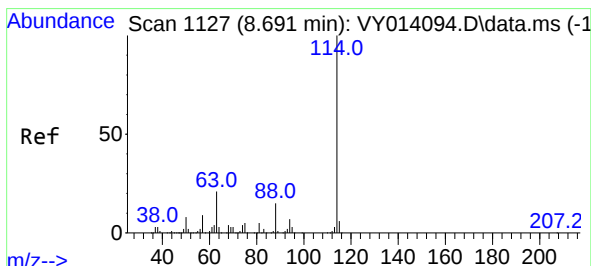
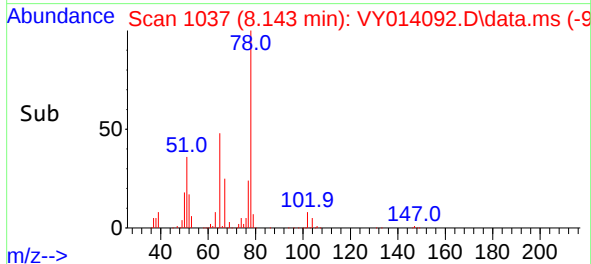
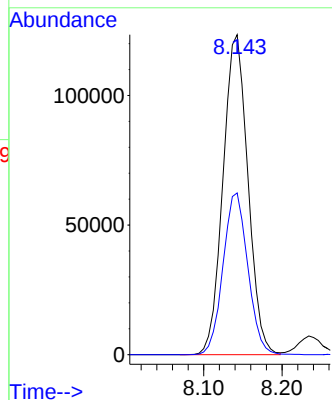
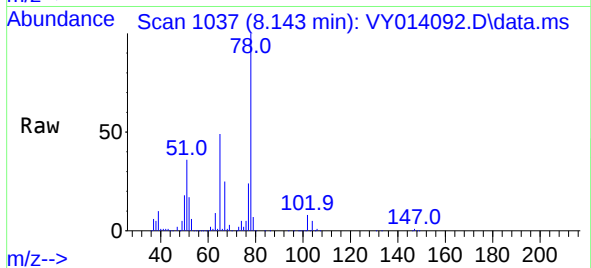
VSTDIC100

Tgt Ion: 65 Resp: 273061

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

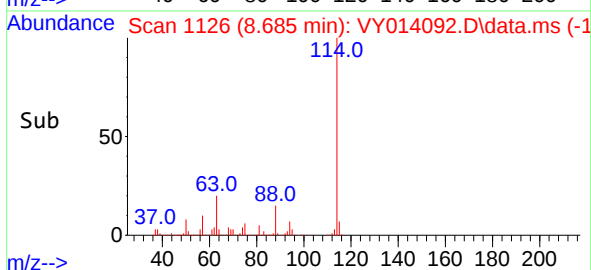
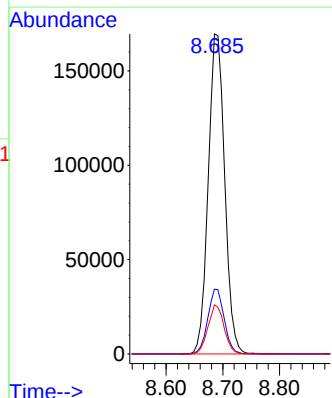
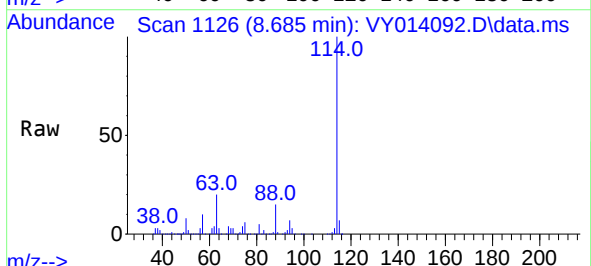
Tgt Ion: 114 Resp: 341495

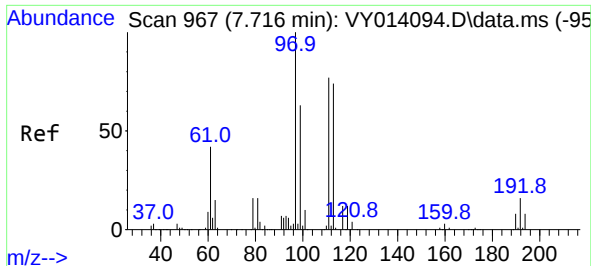
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.3 0.0 30.6

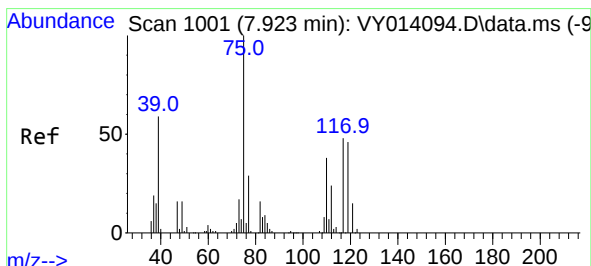
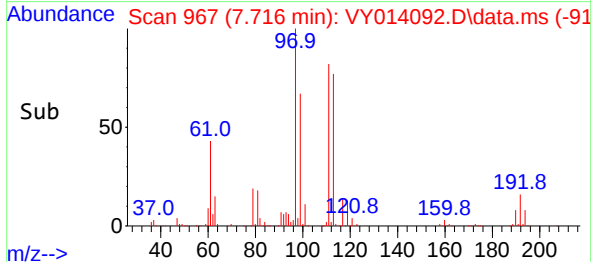
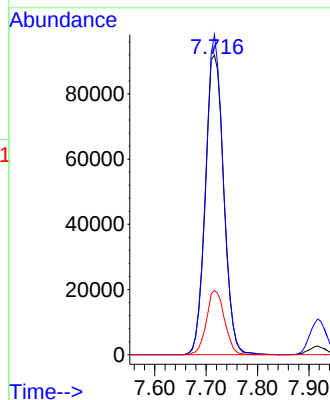
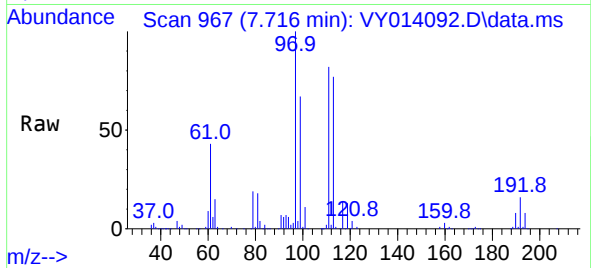




#35  
Dibromofluoromethane  
Concen: 94.310 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

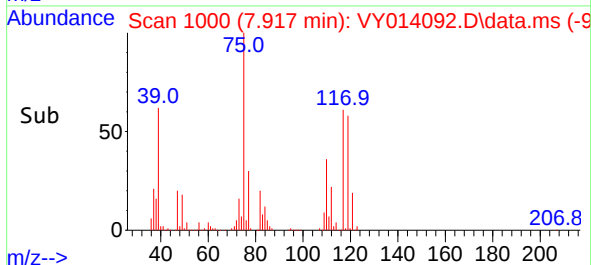
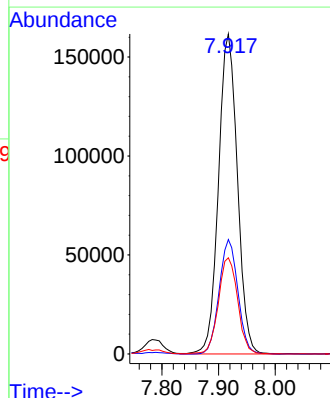
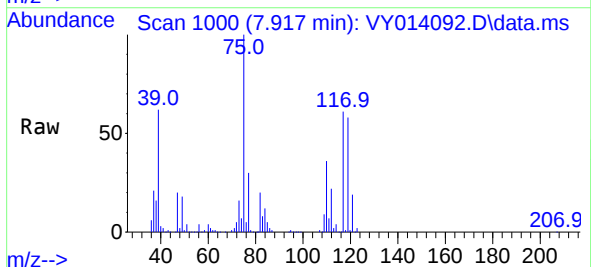
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

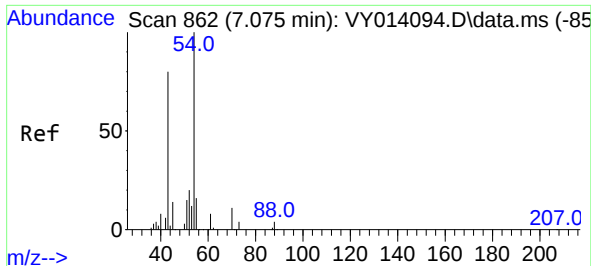
Tgt Ion:113 Resp: 228401  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.3 121.9  
192 21.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 98.986 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 75 Resp: 373735  
Ion Ratio Lower Upper  
75 100  
110 35.4 17.8 53.5  
77 30.7 24.4 36.6

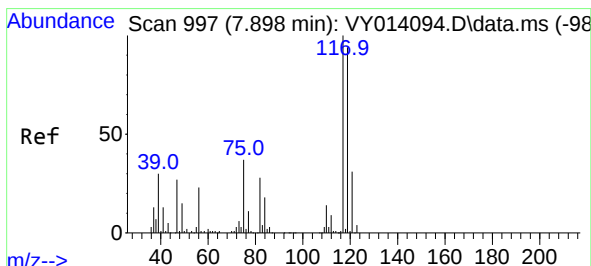
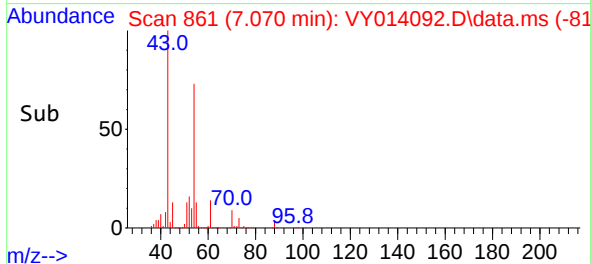
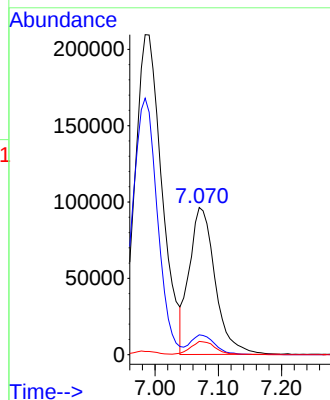
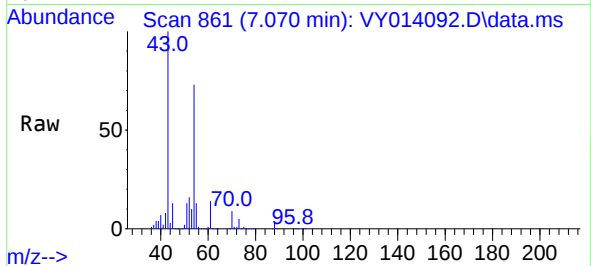




#37  
Ethyl Acetate  
Concen: 104.854 ug/l  
RT: 7.070 min Scan# 861  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

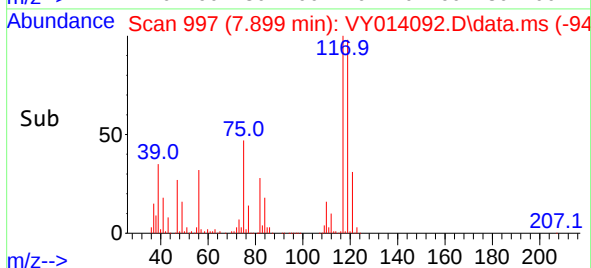
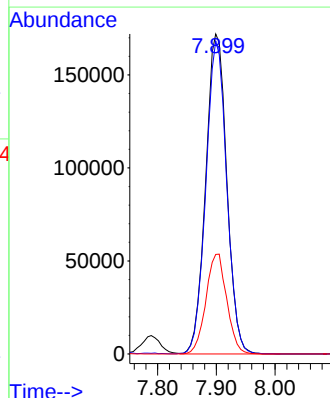
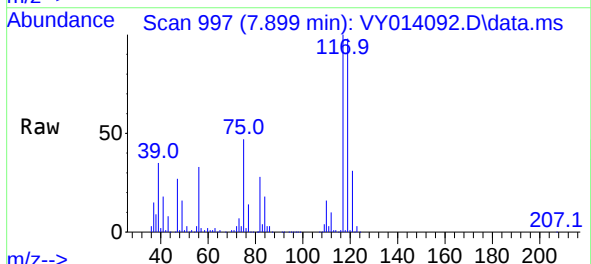
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

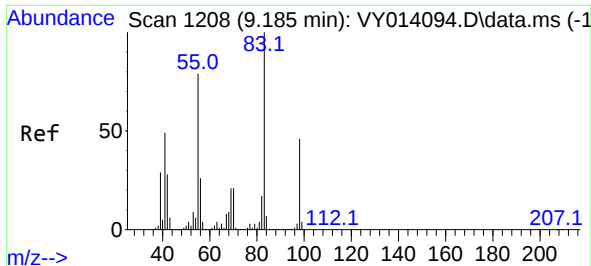
Tgt Ion: 43 Resp: 273157  
Ion Ratio Lower Upper  
43 100  
61 12.4 10.1 15.1  
70 8.7 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 98.720 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 117 Resp: 430124  
Ion Ratio Lower Upper  
117 100  
119 97.8 76.4 114.6  
121 31.1 25.8 38.6





#39

Methylcyclohexane

Concen: 105.611 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

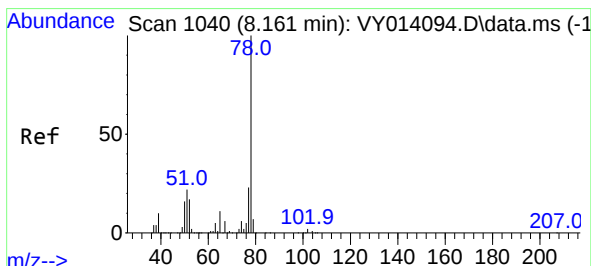
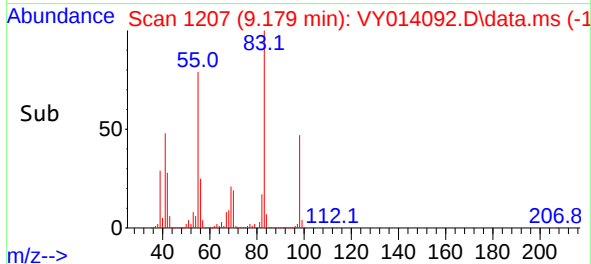
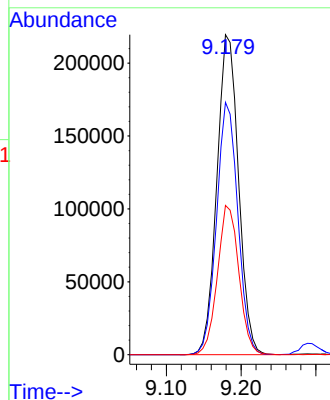
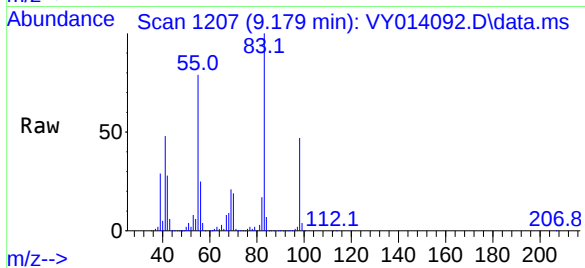
Tgt Ion: 83 Resp: 442415

Ion Ratio Lower Upper

83 100

55 78.9 63.0 94.4

98 46.6 37.4 56.2



#40

Benzene

Concen: 96.920 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY014092.D

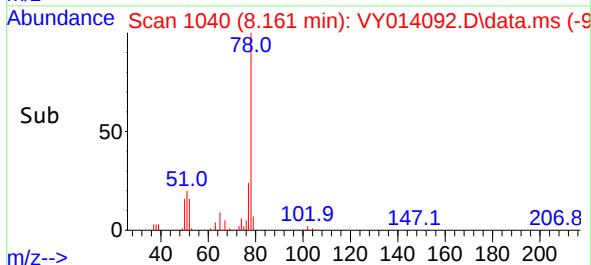
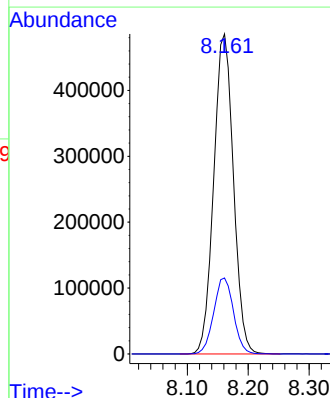
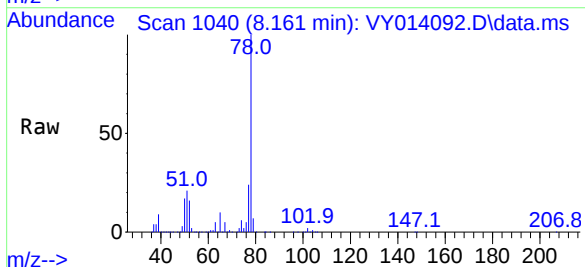
Acq: 09 Jun 2023 12:15

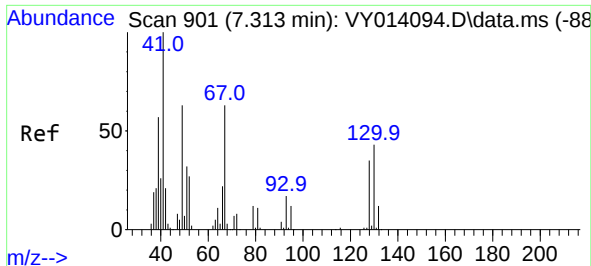
Tgt Ion: 78 Resp: 1088138

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

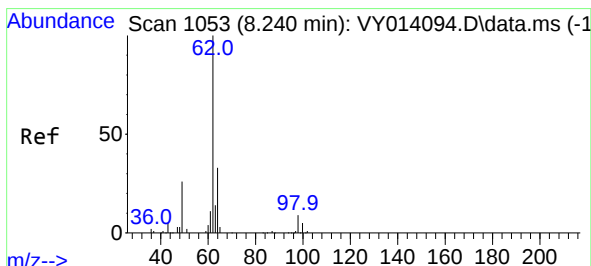
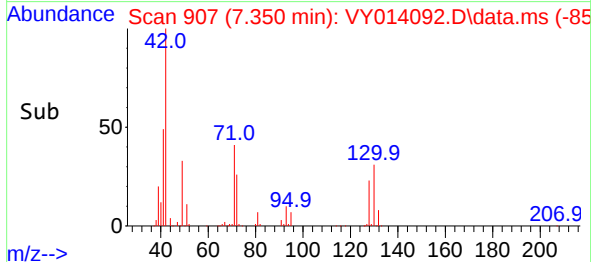
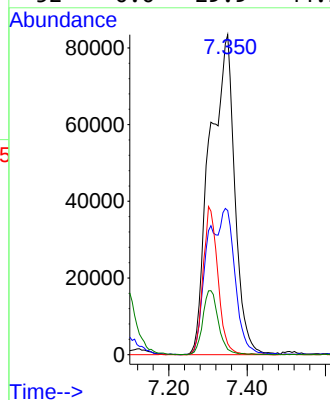
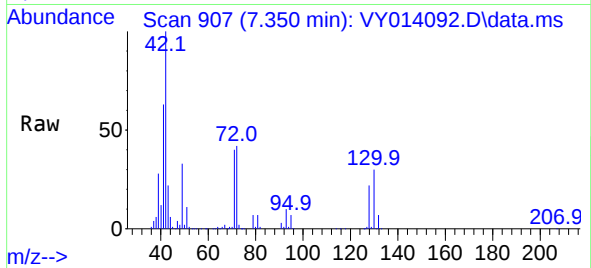




#41  
Methacrylonitrile  
Concen: 269.207 ug/l  
RT: 7.350 min Scan# 901  
Delta R.T. 0.037 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

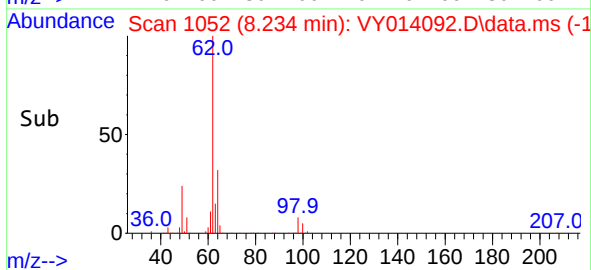
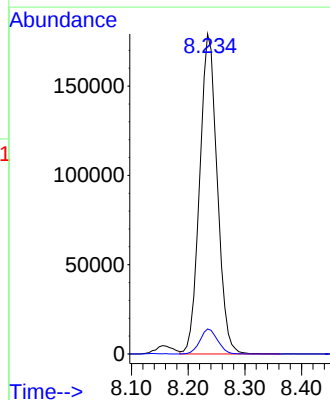
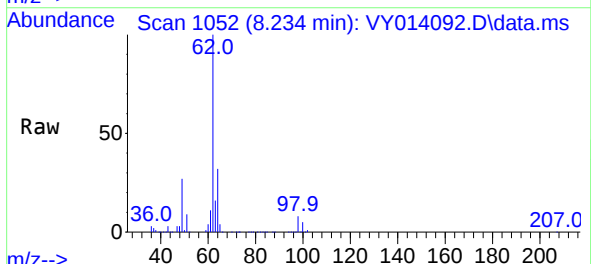
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

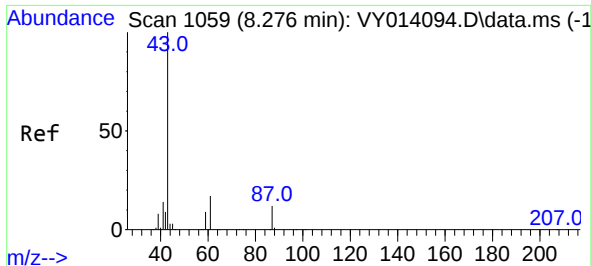
Tgt Ion: 41 Resp: 367125  
Ion Ratio Lower Upper  
41 100  
39 0.0 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 96.985 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 62 Resp: 385053  
Ion Ratio Lower Upper  
62 100  
98 7.8 0.0 15.8

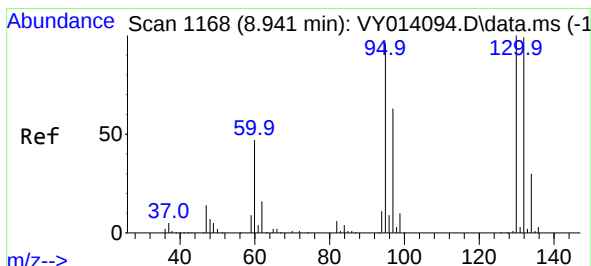
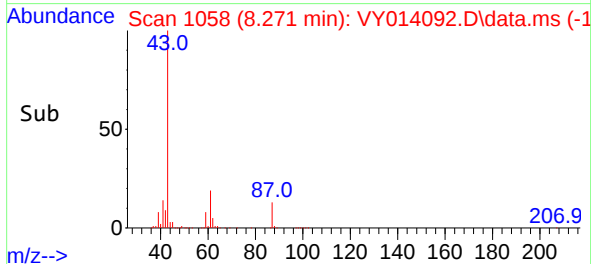
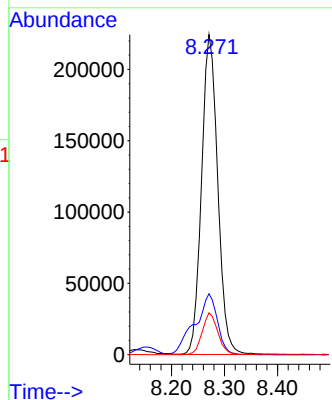
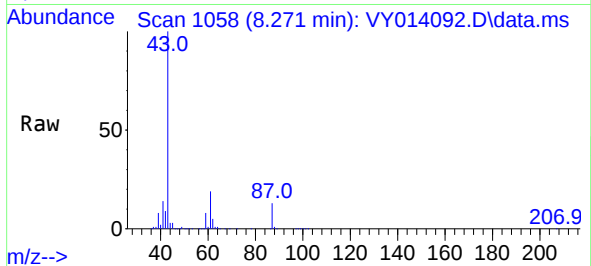




#43  
Isopropyl Acetate  
Concen: 104.128 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

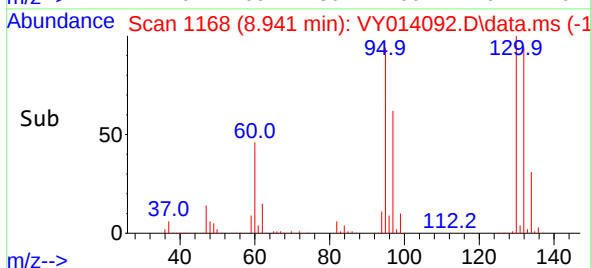
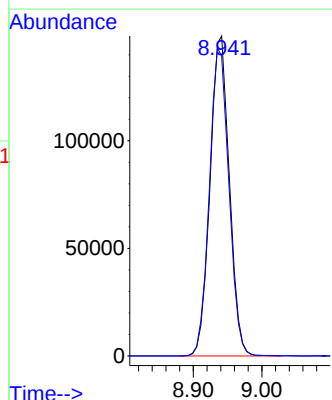
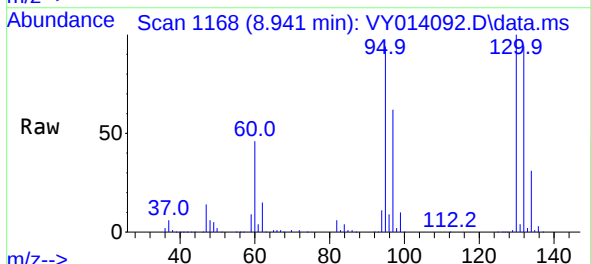
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

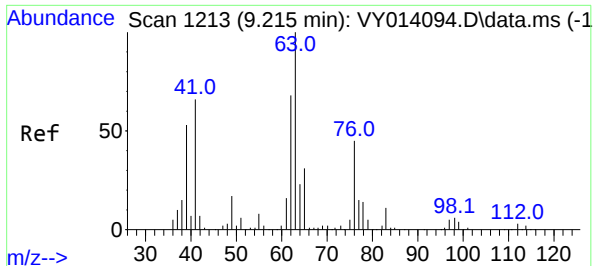
Tgt Ion: 43 Resp: 475446  
Ion Ratio Lower Upper  
43 100  
61 26.7 21.1 31.7  
87 12.7 9.8 14.8



#44  
Trichloroethene  
Concen: 96.690 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:130 Resp: 290035  
Ion Ratio Lower Upper  
130 100  
95 93.7 0.0 196.0





#45

1,2-Dichloropropane

Concen: 97.597 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

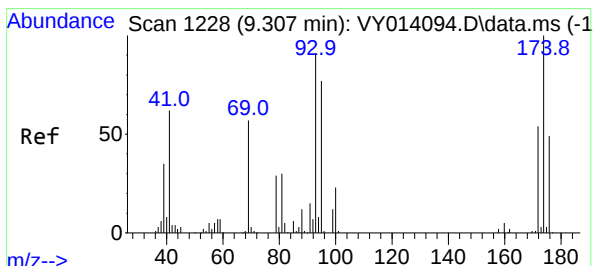
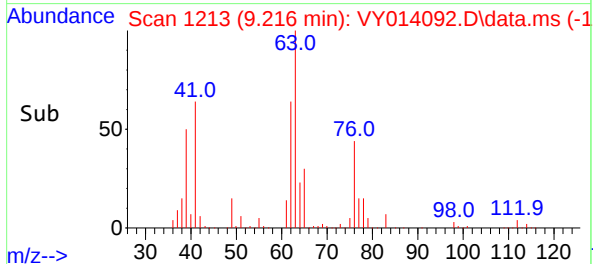
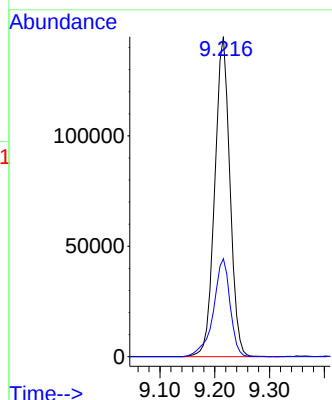
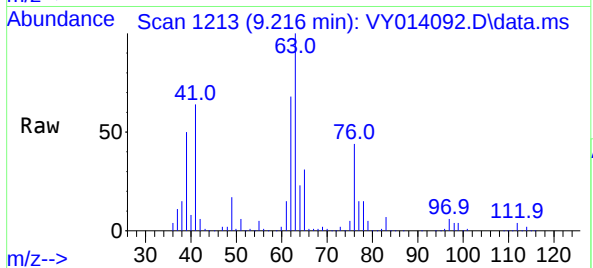
VSTDIC100

Tgt Ion: 63 Resp: 278319

Ion Ratio Lower Upper

63 100

65 30.6 23.8 35.6



#46

Dibromomethane

Concen: 98.805 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

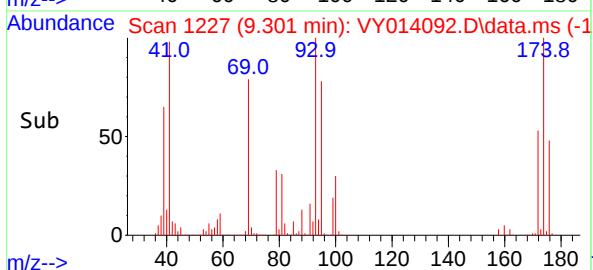
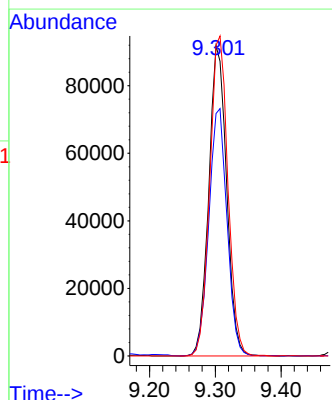
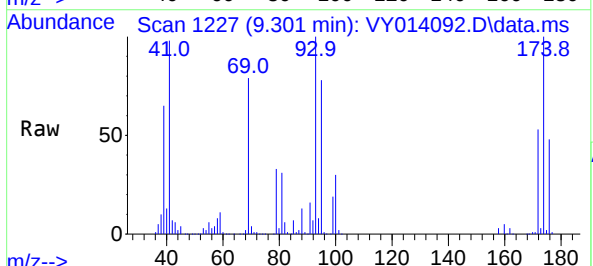
Tgt Ion: 93 Resp: 173441

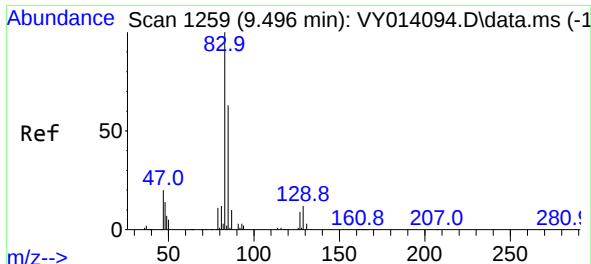
Ion Ratio Lower Upper

93 100

95 81.3 66.6 100.0

174 105.1 84.8 127.2

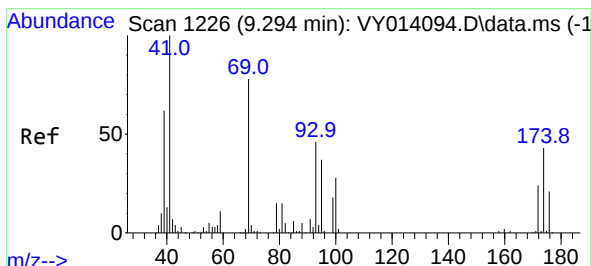
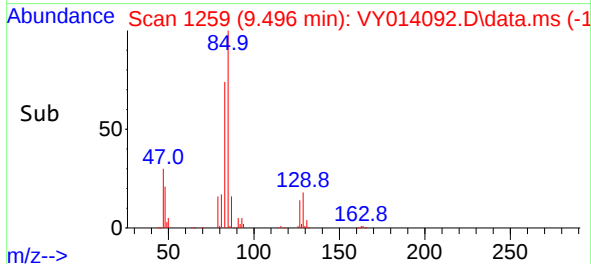
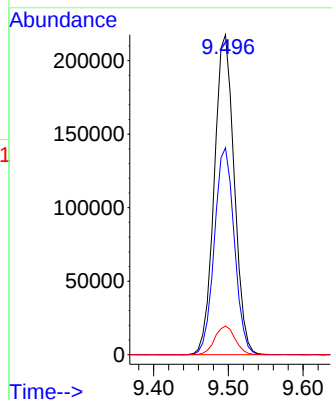
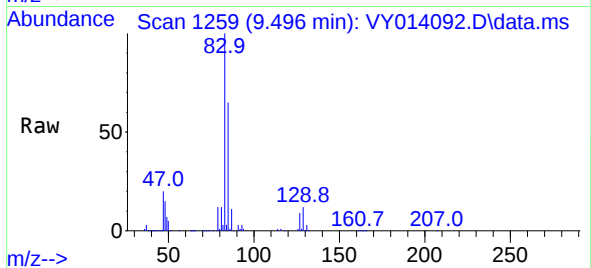




#47  
Bromodichloromethane  
Concen: 98.206 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

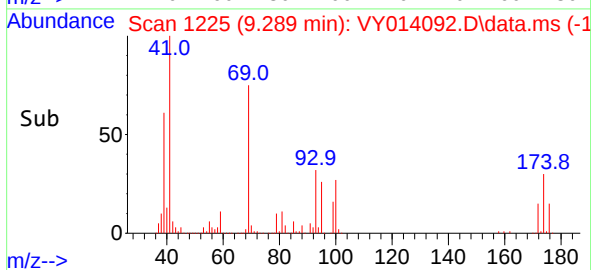
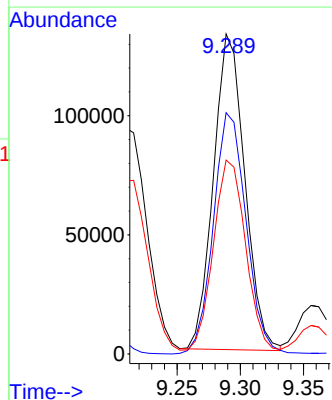
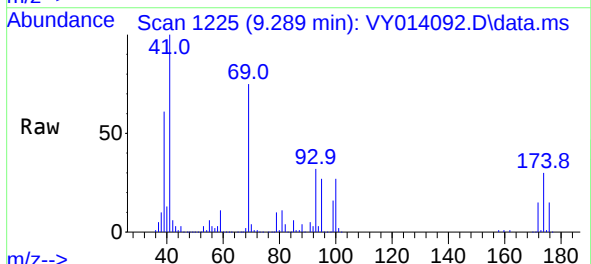
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

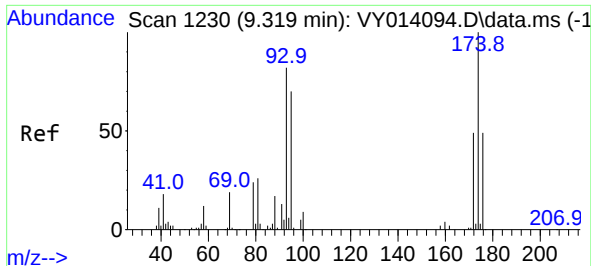
Tgt Ion: 83 Resp: 403639  
Ion Ratio Lower Upper  
83 100  
85 64.7 50.1 75.1  
127 9.0 7.1 10.7



#48  
Methyl methacrylate  
Concen: 107.049 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 41 Resp: 227976  
Ion Ratio Lower Upper  
41 100  
69 80.3 64.5 96.7  
39 61.9 50.8 76.2





#49

1,4-Dioxane

Concen: 2111.351 ug/l

RT: 9.313 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC100

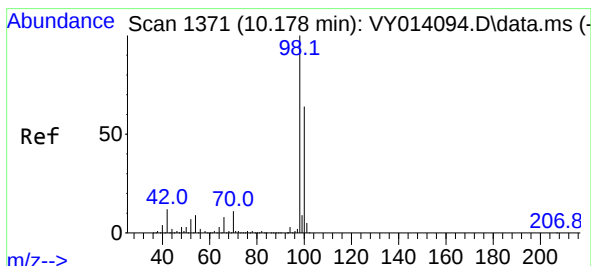
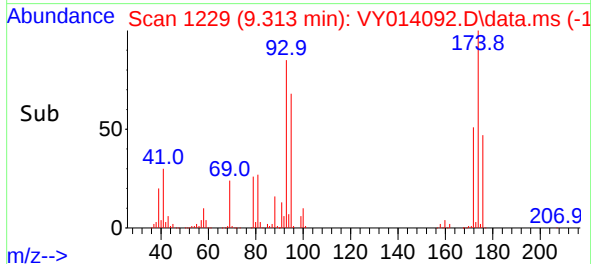
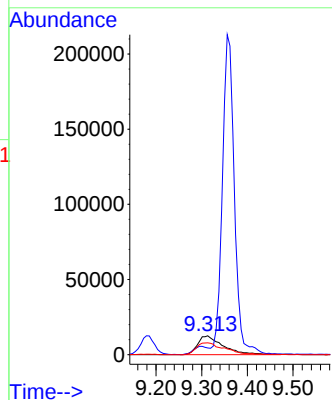
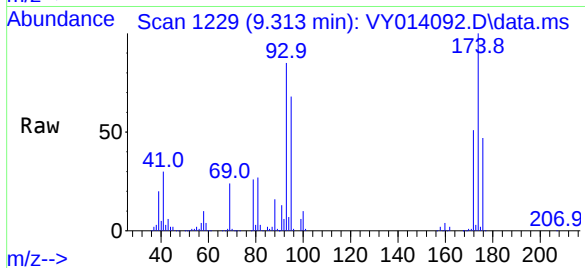
Tgt Ion: 88 Resp: 48633

Ion Ratio Lower Upper

88 100

43 26.2 0.0 0.0#

58 71.2 30.9 46.3#



#50

Toluene-d8

Concen: 89.833 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014092.D

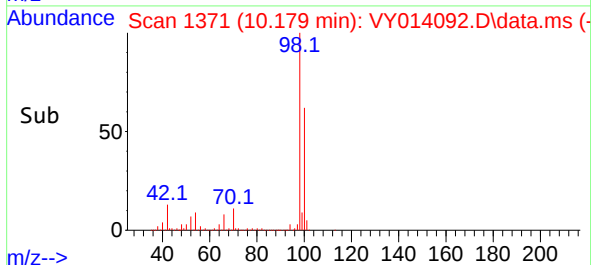
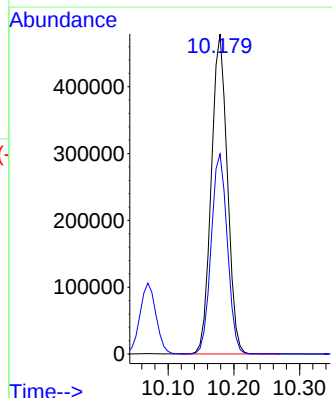
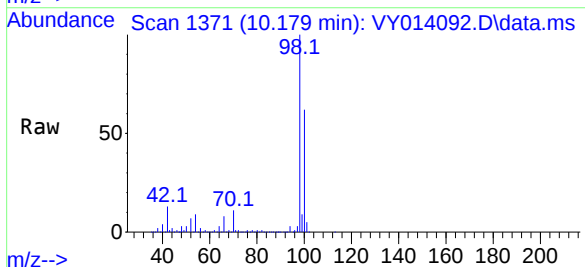
Acq: 09 Jun 2023 12:15

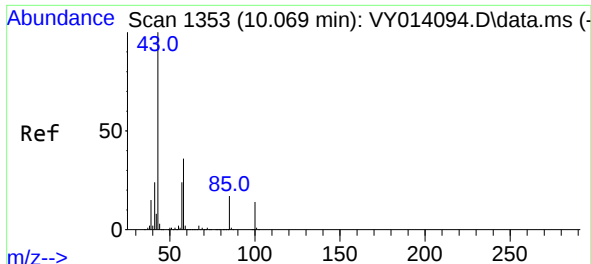
Tgt Ion: 98 Resp: 813360

Ion Ratio Lower Upper

98 100

100 63.0 50.1 75.1

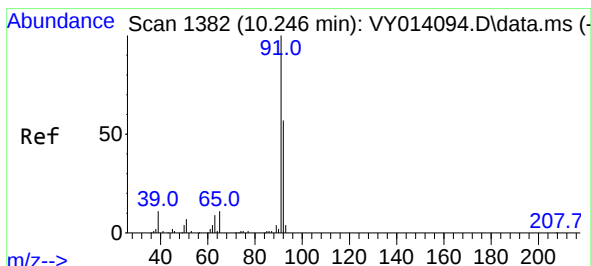
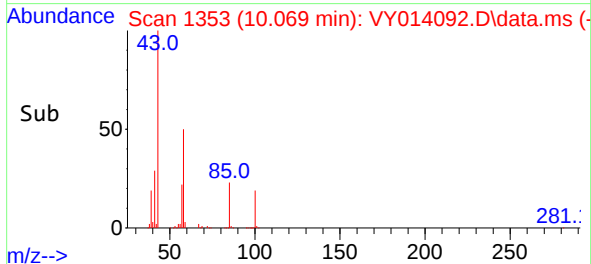
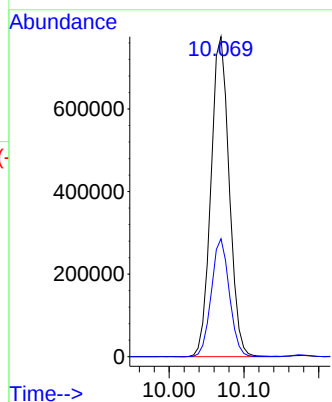
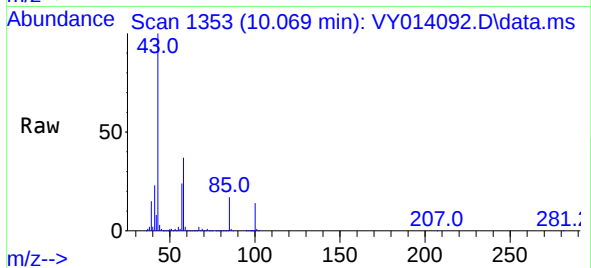




#51  
4-Methyl-2-Pentanone  
Concen: 531.629 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

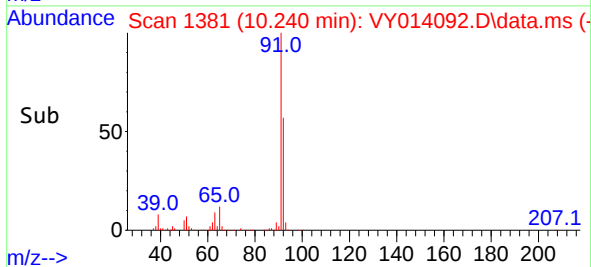
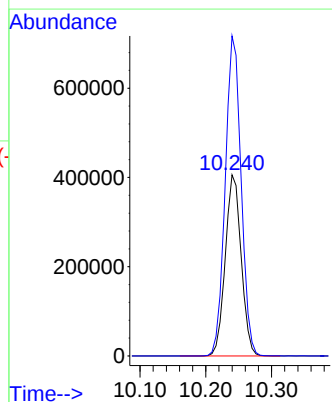
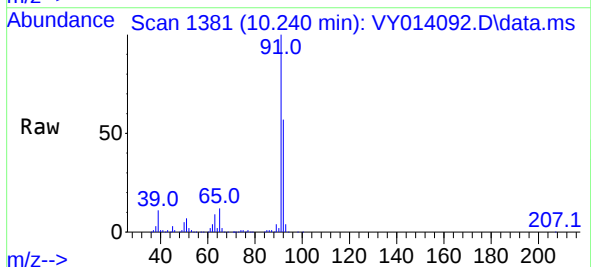
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

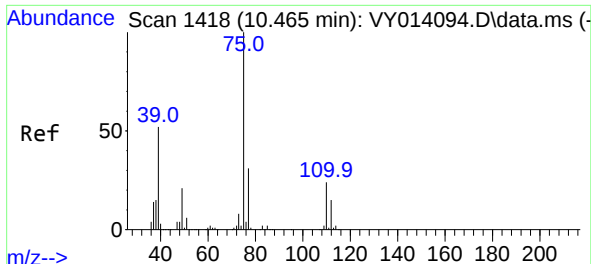
Tgt Ion: 43 Resp: 1318774  
Ion Ratio Lower Upper  
43 100  
58 36.3 29.0 43.6



#52  
Toluene  
Concen: 98.119 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 92 Resp: 682886  
Ion Ratio Lower Upper  
92 100  
91 176.4 143.8 215.6

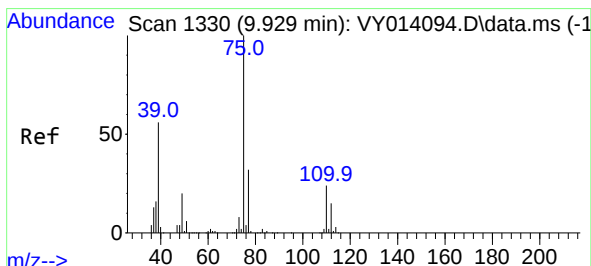
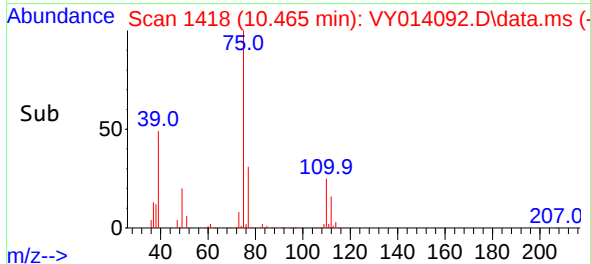
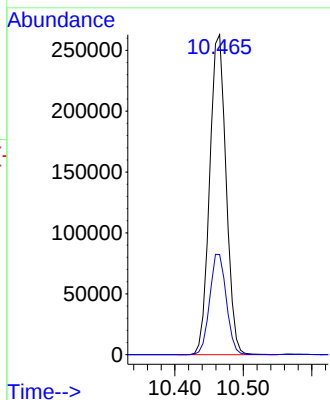
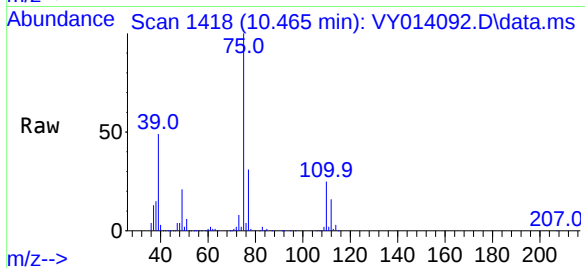




#53  
t-1,3-Dichloropropene  
Concen: 101.142 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

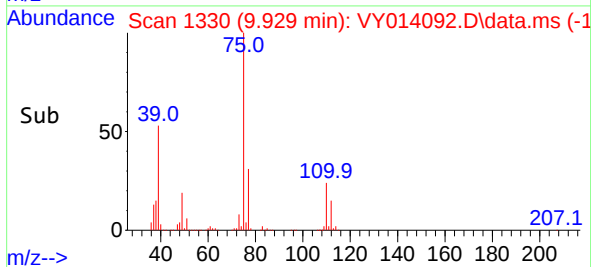
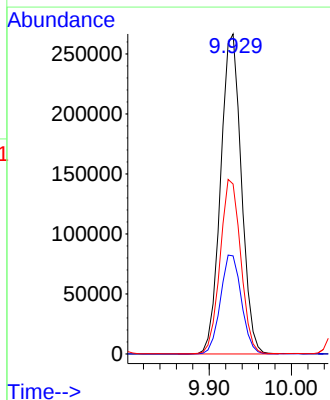
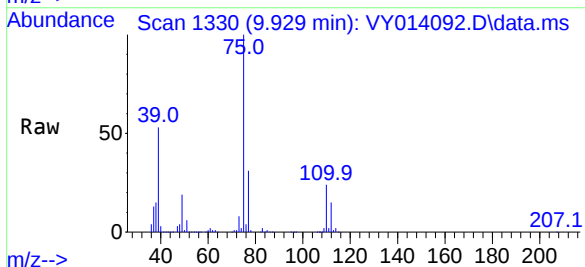
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

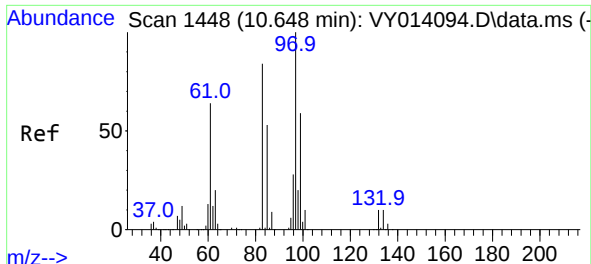
Tgt Ion: 75 Resp: 437619  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 99.014 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 75 Resp: 467424  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.2 36.4  
39 53.1 42.2 63.4

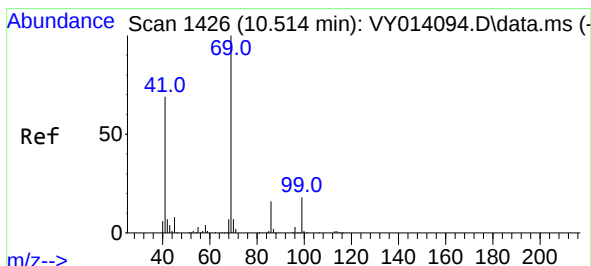
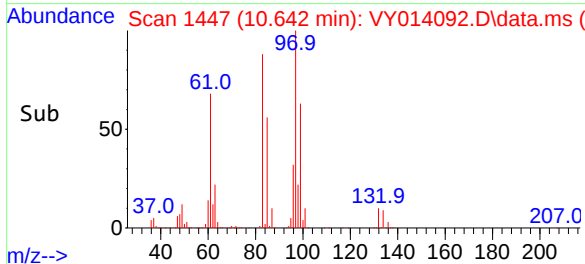
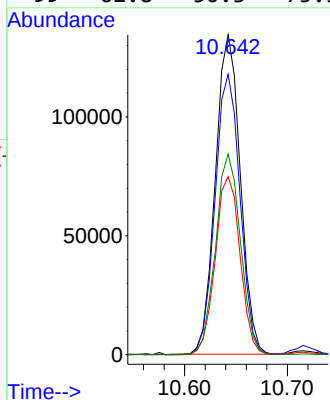
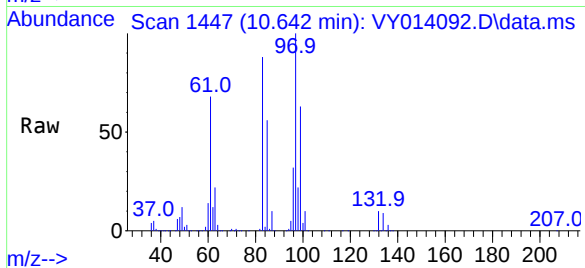




#55  
1,1,2-Trichloroethane  
Concen: 97.318 ug/l  
RT: 10.642 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

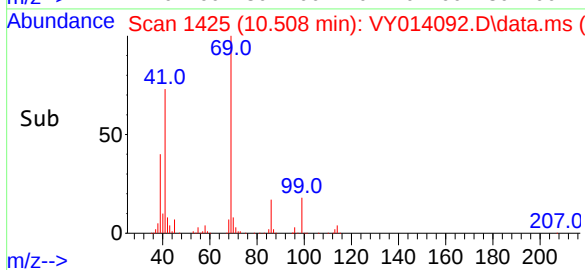
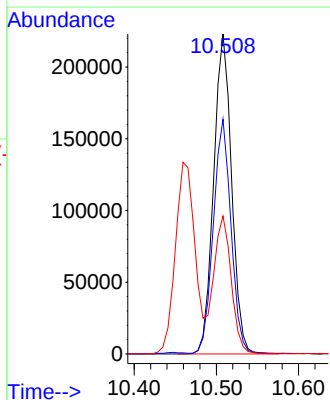
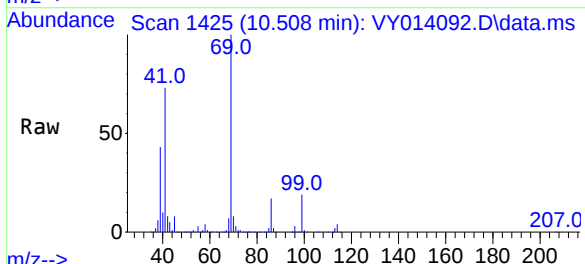
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

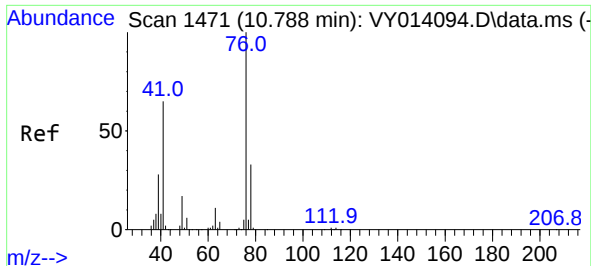
Tgt Ion: 97 Resp: 226585  
Ion Ratio Lower Upper  
97 100  
83 87.7 72.0 108.0  
85 55.7 45.4 68.0  
99 62.8 50.3 75.5



#56  
Ethyl methacrylate  
Concen: 105.342 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 69 Resp: 338300  
Ion Ratio Lower Upper  
69 100  
41 72.2 57.6 86.4  
39 42.7 34.1 51.1





#57

1,3-Dichloropropane

Concen: 98.910 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

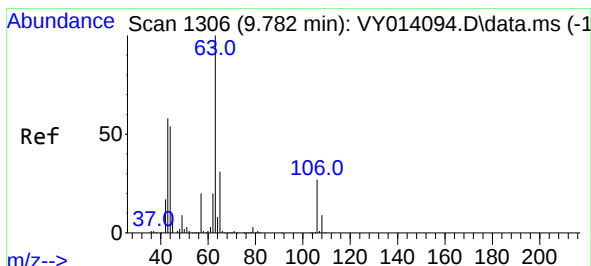
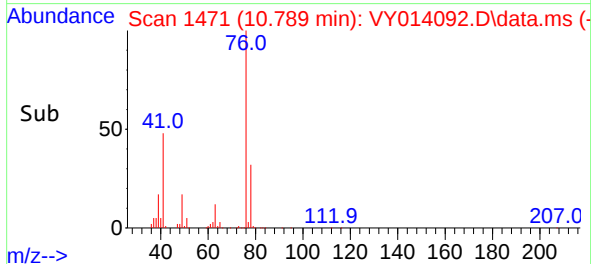
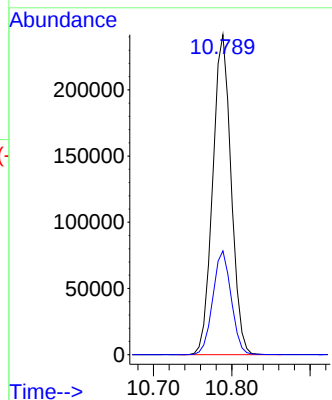
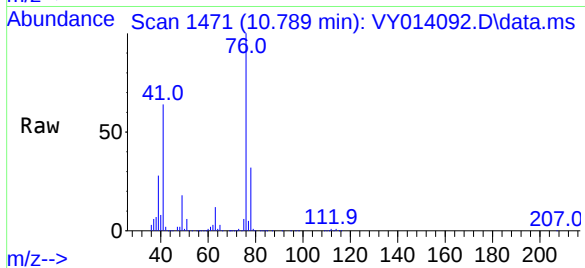
VSTDICC100

Tgt Ion: 76 Resp: 393867

Ion Ratio Lower Upper

76 100

78 32.5 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 490.522 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY014092.D

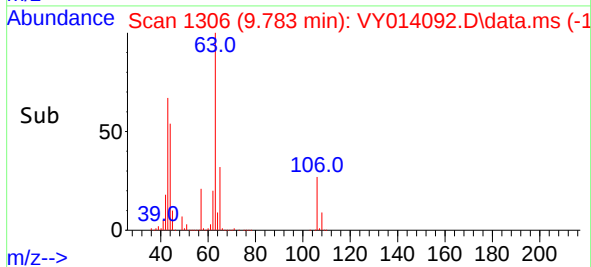
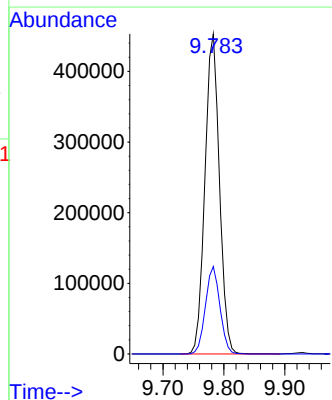
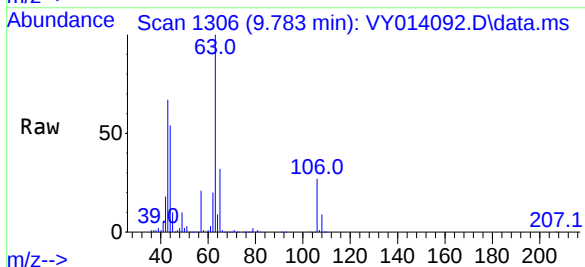
Acq: 09 Jun 2023 12:15

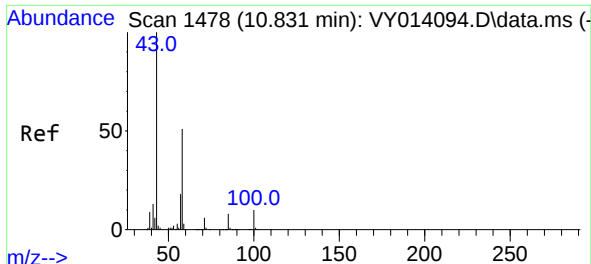
Tgt Ion: 63 Resp: 748526

Ion Ratio Lower Upper

63 100

106 27.3 21.2 31.8

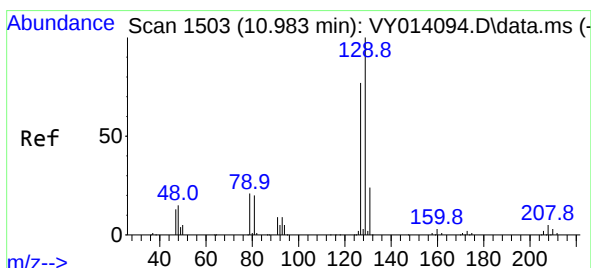
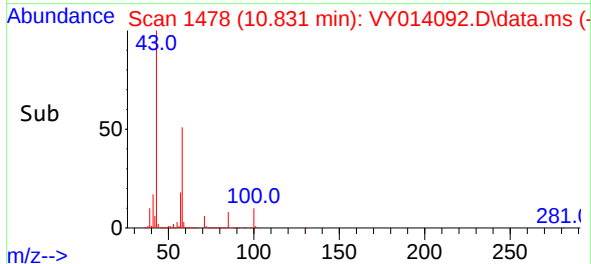
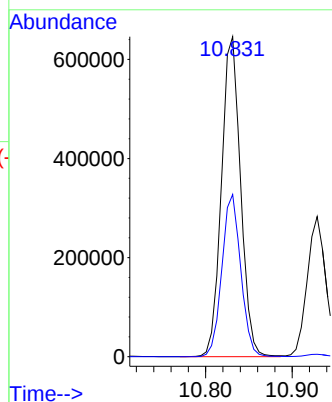
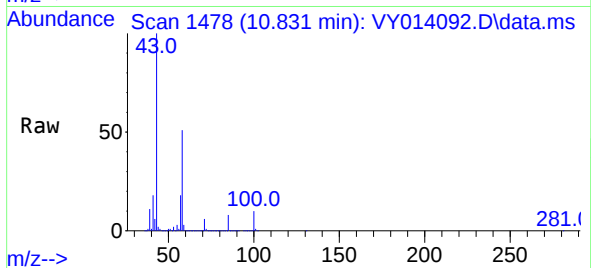




#59  
2-Hexanone  
Concen: 553.281 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

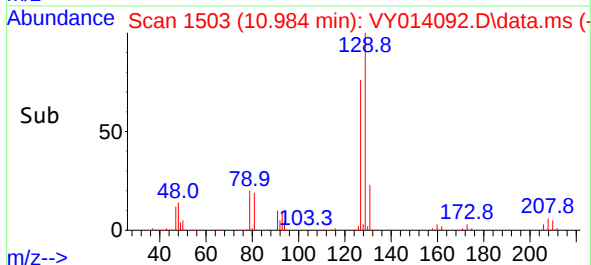
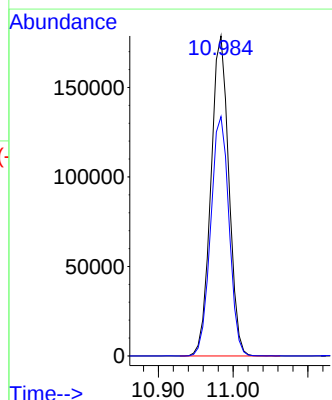
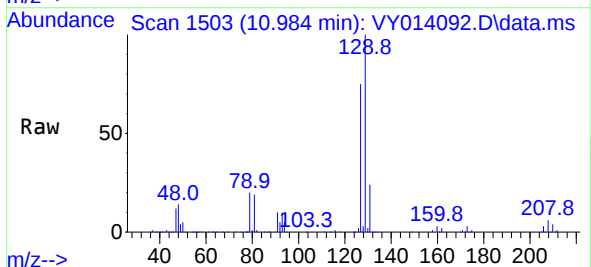
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tgt Ion: 43 Resp: 991289  
Ion Ratio Lower Upper  
43 100  
58 50.0 25.1 75.3



#60  
Dibromochloromethane  
Concen: 99.992 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:129 Resp: 297975  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.5 115.5

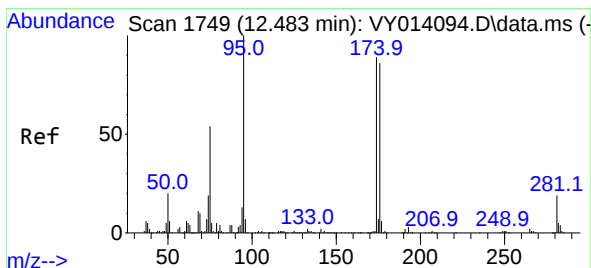
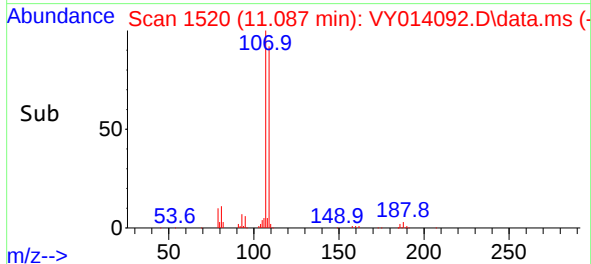
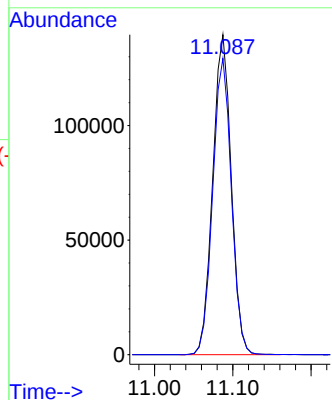
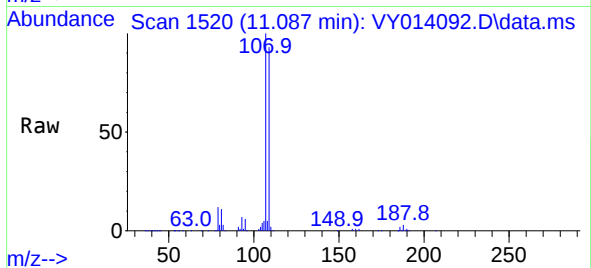




#61  
1,2-Dibromoethane  
Concen: 99.887 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

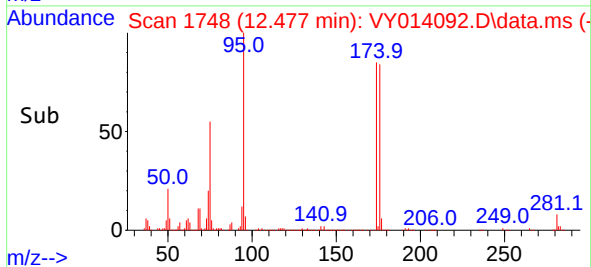
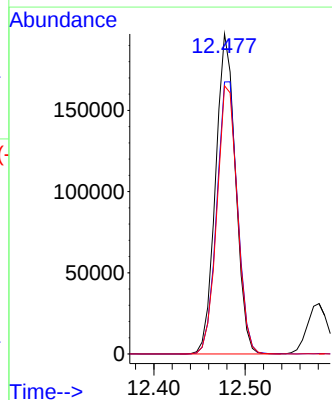
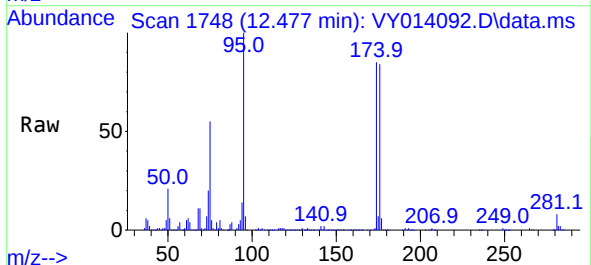
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

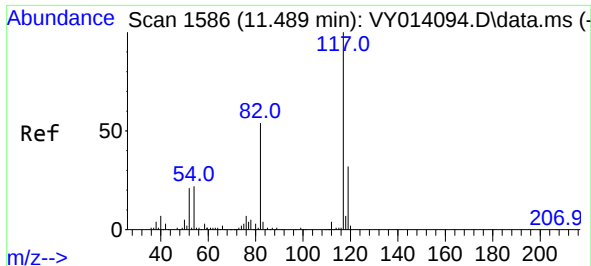
Tgt Ion:107 Resp: 229525  
Ion Ratio Lower Upper  
107 100  
109 93.2 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 92.957 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 95 Resp: 298978  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 178.2  
176 85.8 0.0 173.8

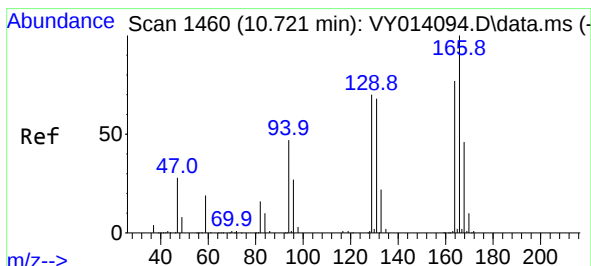
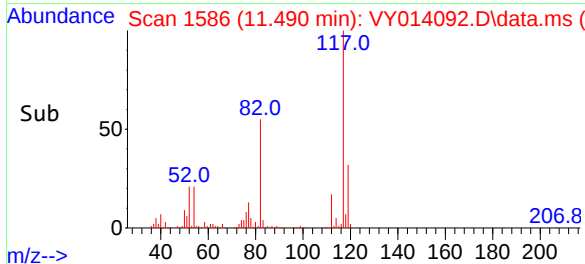
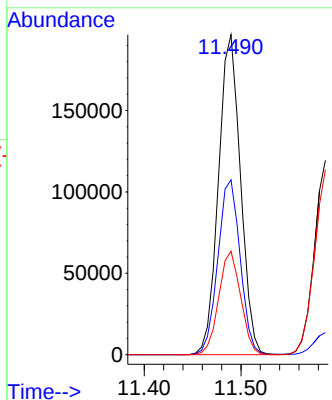
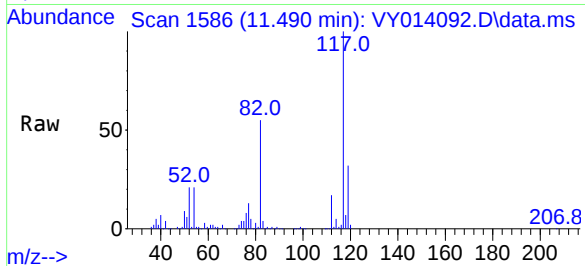




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

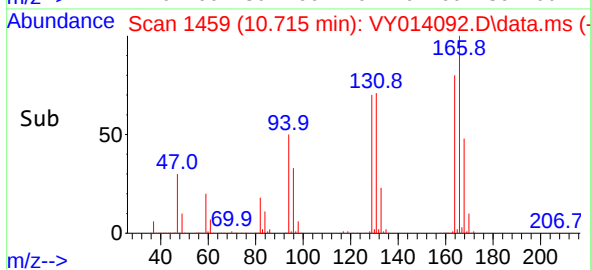
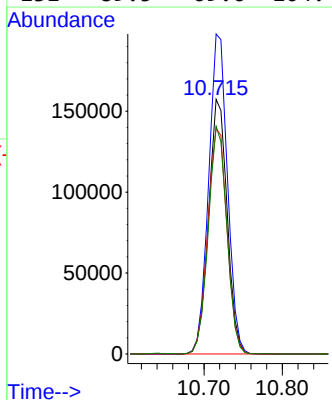
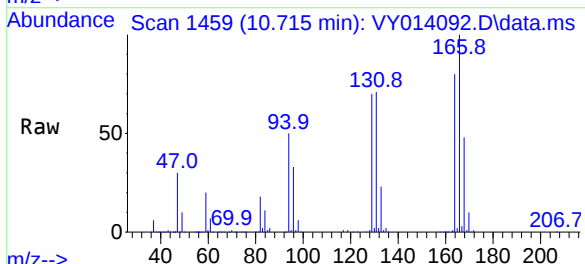
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

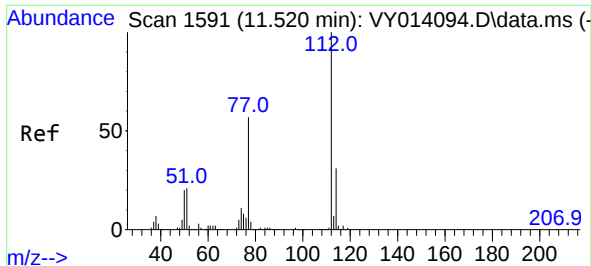
Tgt Ion:117 Resp: 310832  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.4 65.0  
119 32.3 26.3 39.5



#64  
Tetrachloroethene  
Concen: 97.991 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:164 Resp: 259620  
Ion Ratio Lower Upper  
164 100  
166 125.7 103.0 154.6  
129 88.6 77.2 115.8  
131 89.5 69.6 104.4

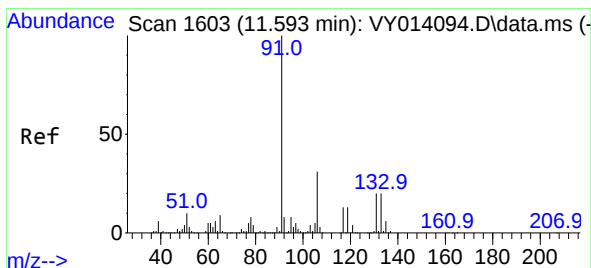
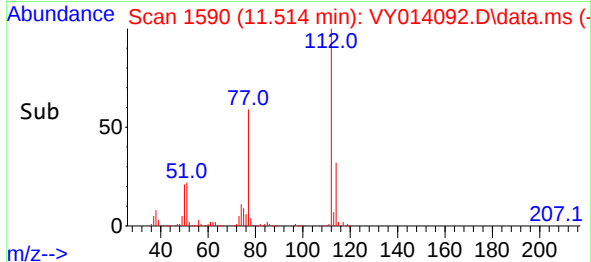
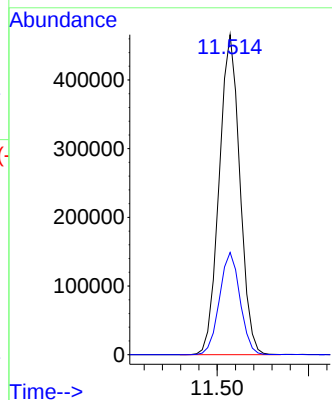
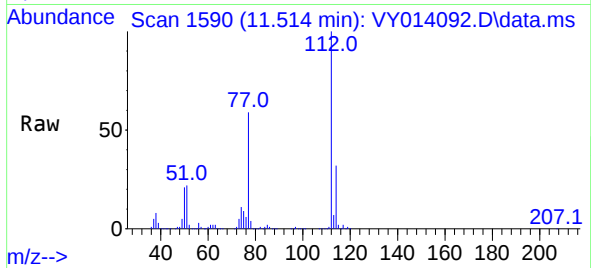




#65  
Chlorobenzene  
Concen: 98.041 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

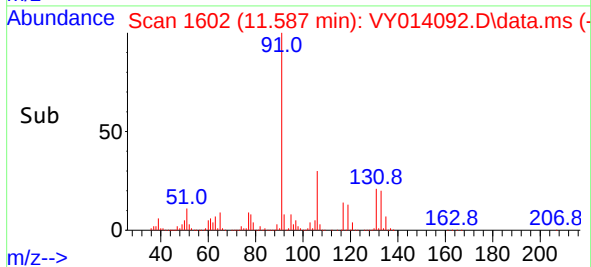
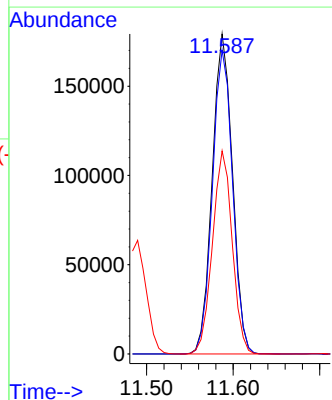
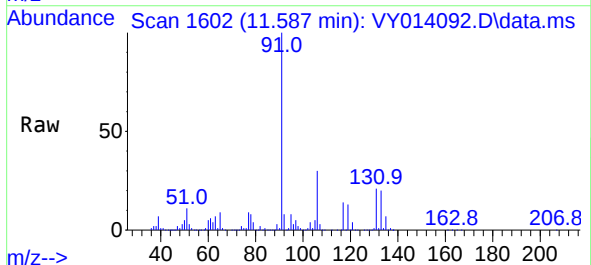
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

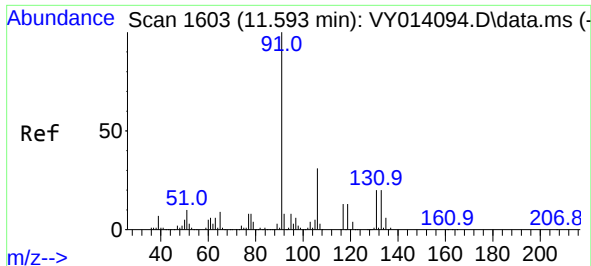
Tgt Ion:112 Resp: 732247  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 98.858 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:131 Resp: 290412  
Ion Ratio Lower Upper  
131 100  
133 94.9 47.5 142.6  
119 62.2 31.6 94.7





#67

Ethyl Benzene

Concen: 102.491 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

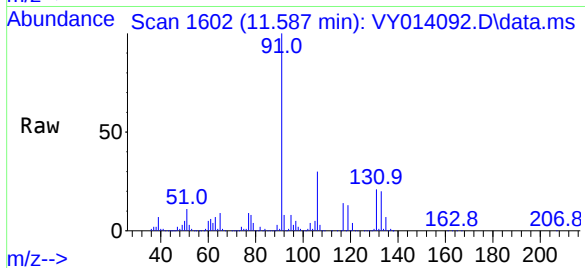
VSTDICC100

Tgt Ion: 91 Resp: 1339893

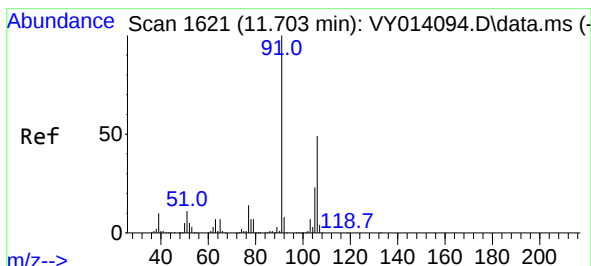
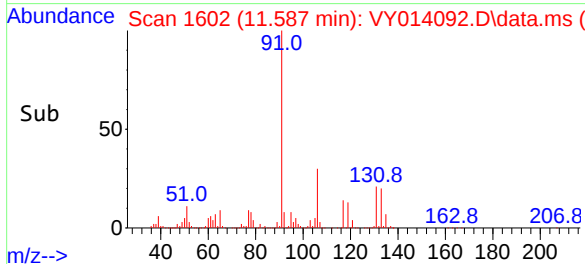
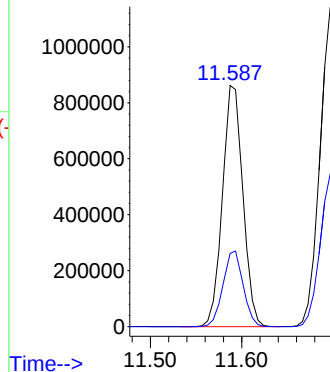
Ion Ratio Lower Upper

91 100

106 30.4 24.6 36.8



Abundance



#68

m/p-Xylenes

Concen: 203.232 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY014092.D

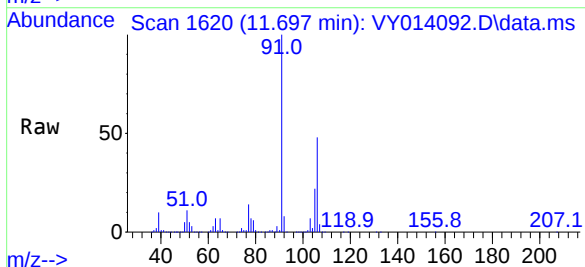
Acq: 09 Jun 2023 12:15

Tgt Ion:106 Resp: 1021958

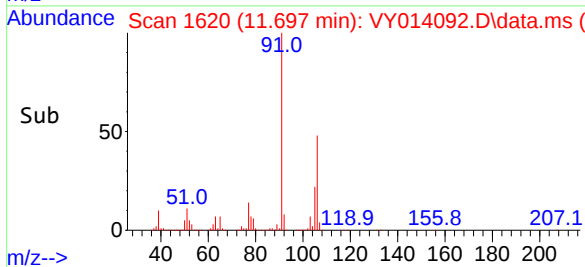
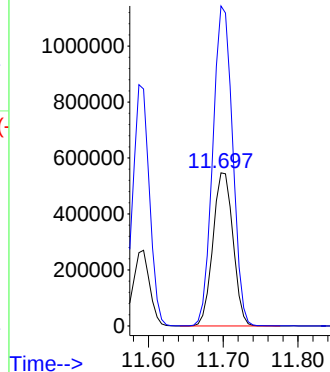
Ion Ratio Lower Upper

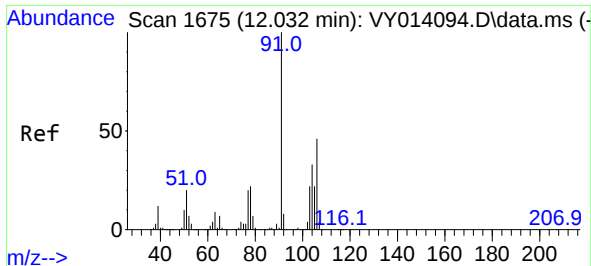
106 100

91 206.3 166.1 249.1



Abundance

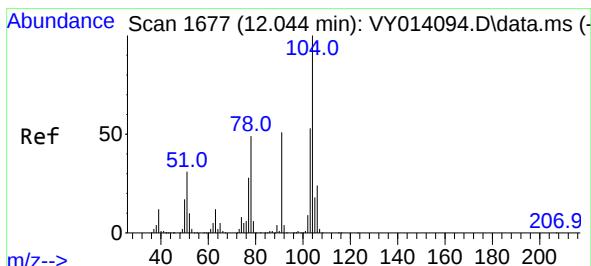
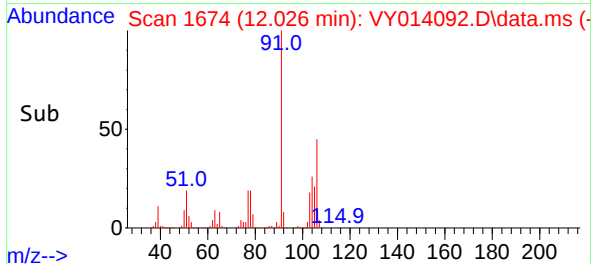
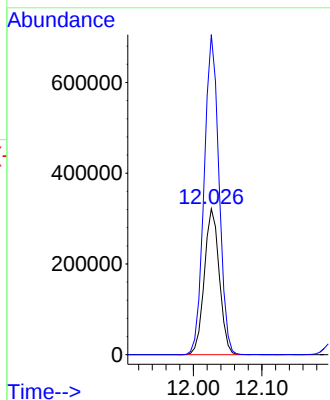
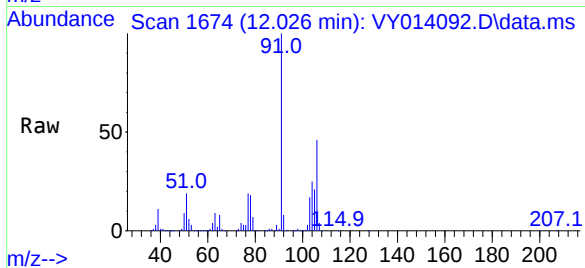




#69  
o-Xylene  
Concen: 102.750 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

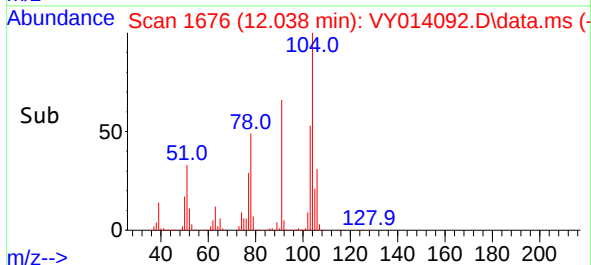
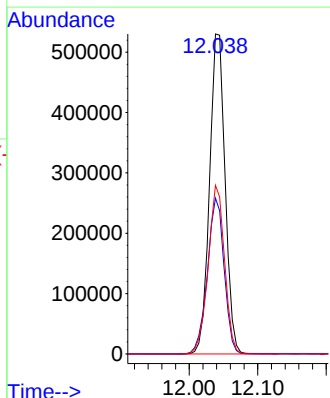
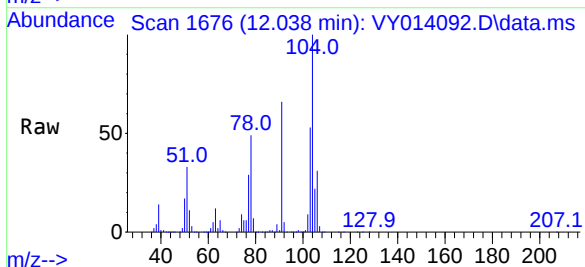
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

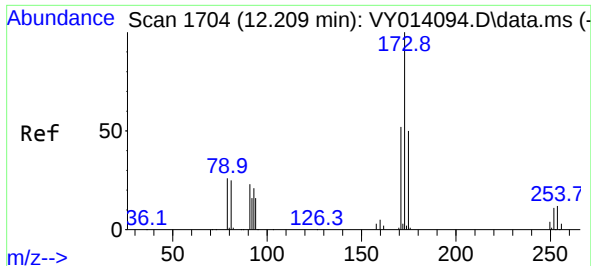
Tgt Ion:106 Resp: 488492  
Ion Ratio Lower Upper  
106 100  
91 217.5 108.1 324.3



#70  
Styrene  
Concen: 103.093 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:104 Resp: 836505  
Ion Ratio Lower Upper  
104 100  
78 52.4 41.5 62.3  
103 55.4 44.6 67.0

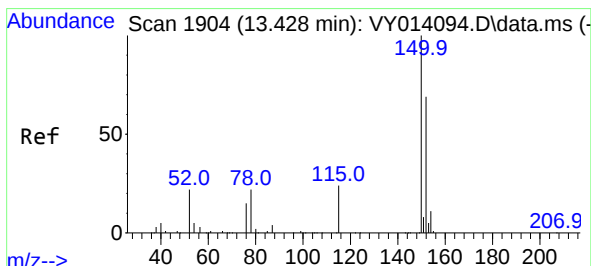
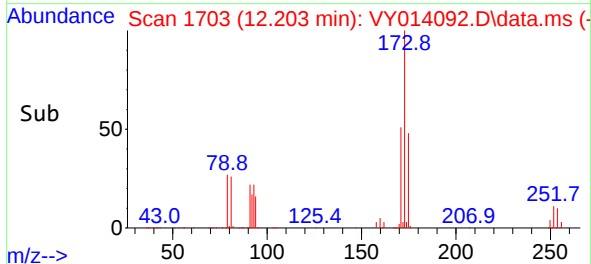
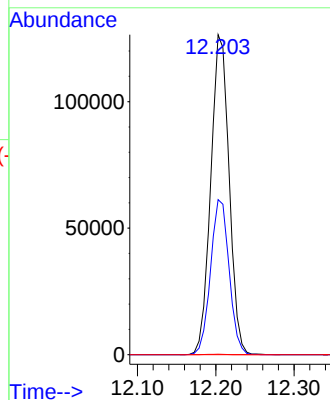
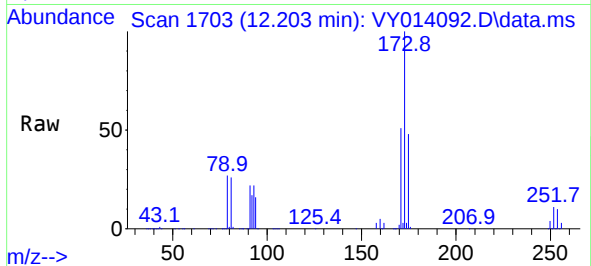




#71  
Bromoform  
Concen: 102.156 ug/l  
RT: 12.203 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

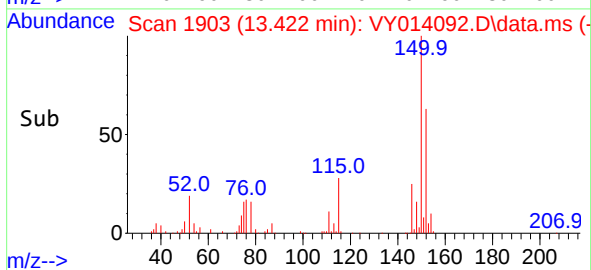
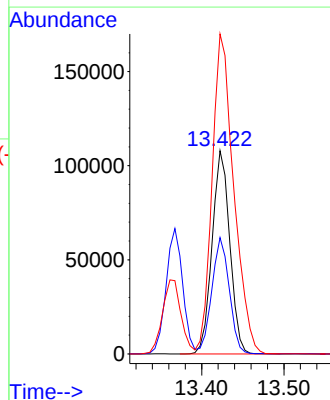
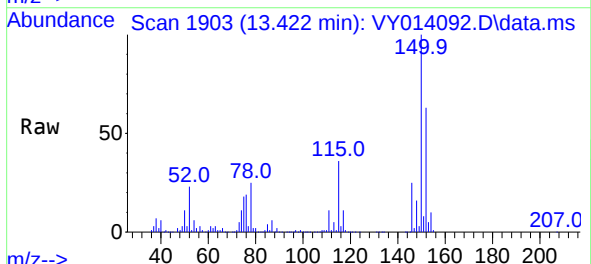
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

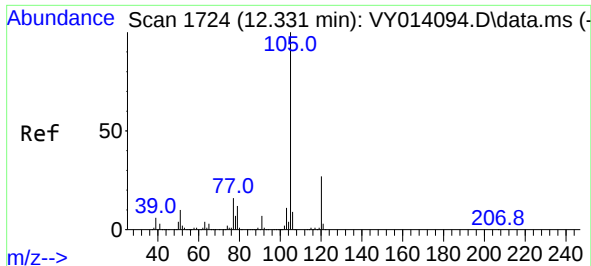
Tgt Ion:173 Resp: 205524  
Ion Ratio Lower Upper  
173 100  
175 49.0 24.6 73.8  
254 0.1 0.2 0.2#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:152 Resp: 161345  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.8 86.5  
150 192.6 0.0 348.8

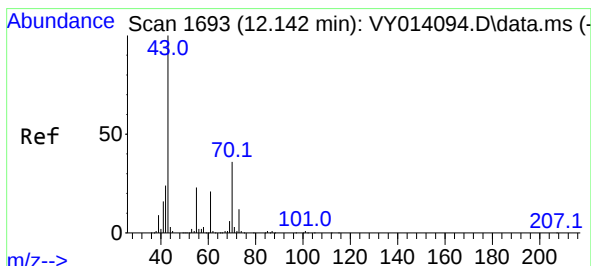
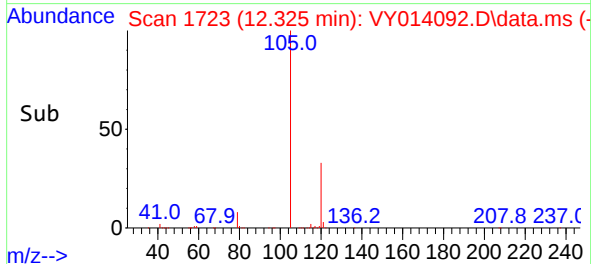
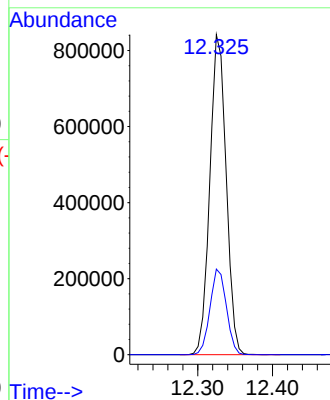
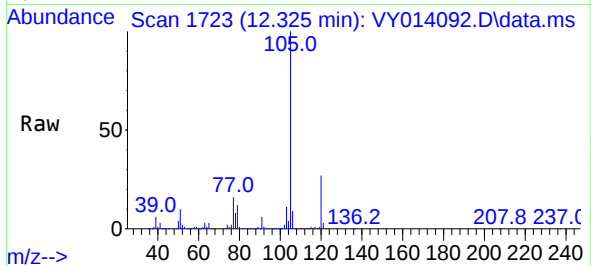




#73  
Isopropylbenzene  
Concen: 103.680 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

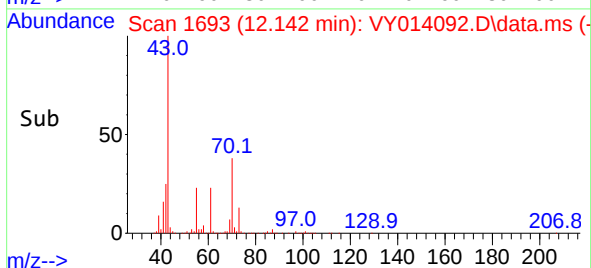
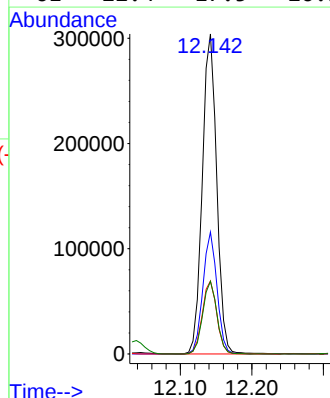
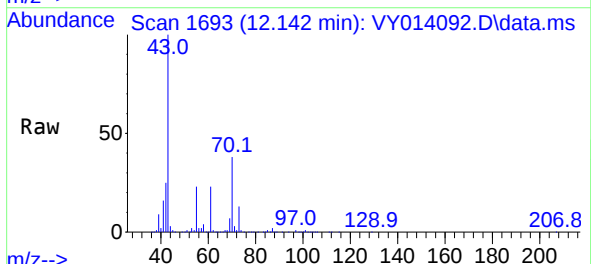
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

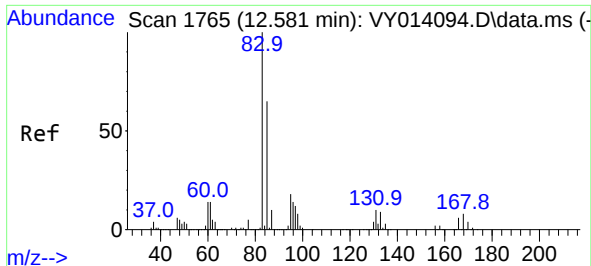
Tgt Ion:105 Resp: 1276132  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.3 39.9



#74  
N-ethyl acetate  
Concen: 109.254 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 43 Resp: 426140  
Ion Ratio Lower Upper  
43 100  
70 37.2 29.7 44.5  
55 23.0 18.3 27.5  
61 22.4 17.5 26.3

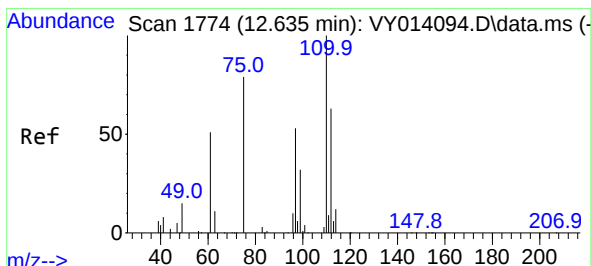
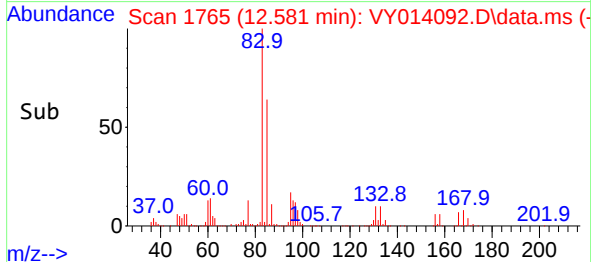
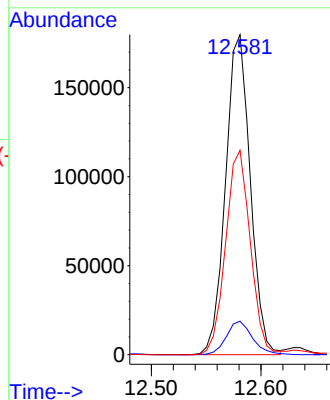
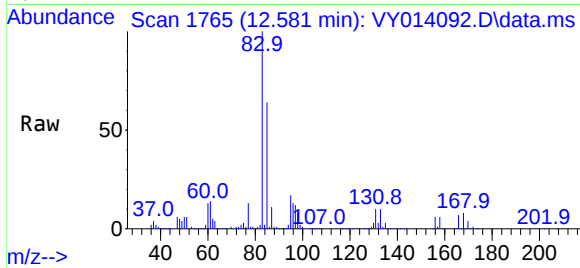




#75  
1,1,2,2-Tetrachloroethane  
Concen: 102.467 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

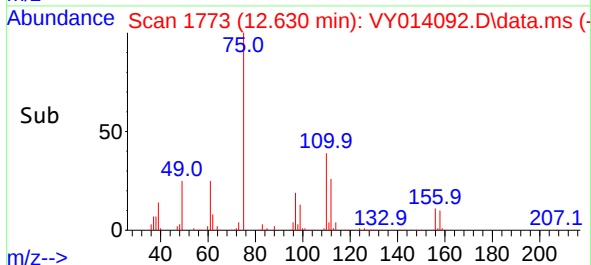
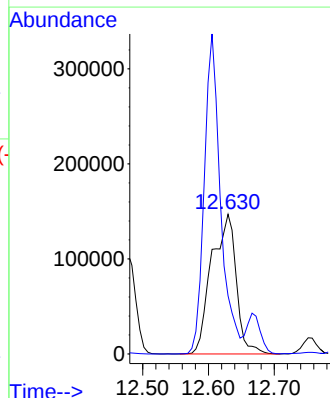
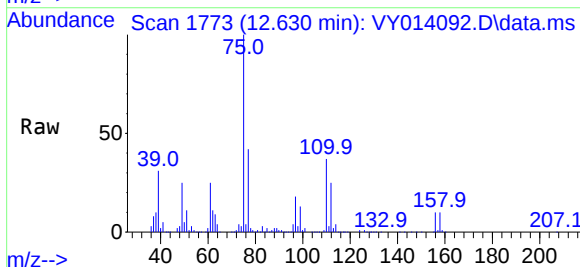
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

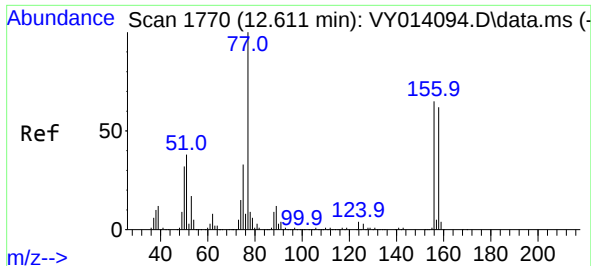
Tgt Ion: 83 Resp: 281813  
Ion Ratio Lower Upper  
83 100  
131 11.0 5.4 16.2  
85 64.1 31.8 95.4



#76  
1,2,3-Trichloropropane  
Concen: 186.875 ug/l  
RT: 12.630 min Scan# 1773  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 75 Resp: 384108  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

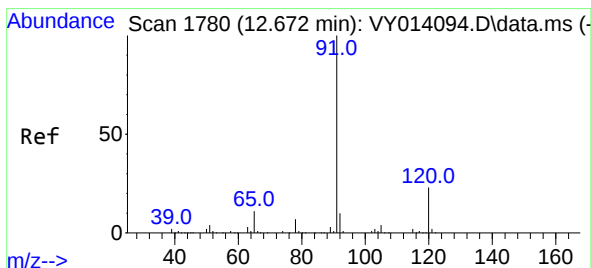
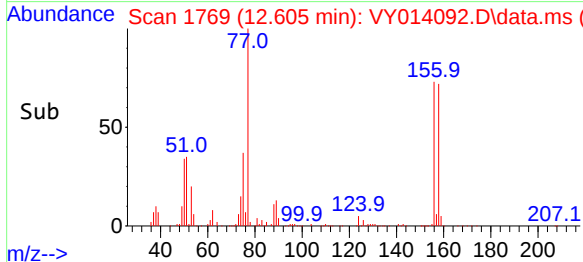
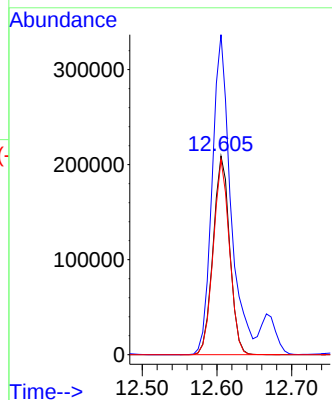
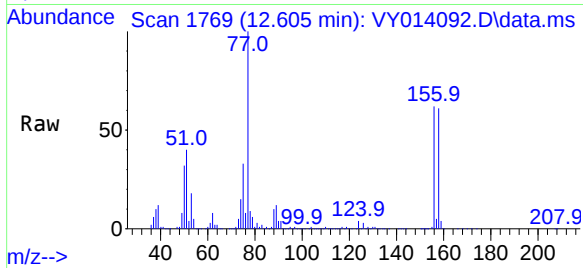




#77  
Bromobenzene  
Concen: 99.754 ug/l  
RT: 12.605 min Scan# 1770  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

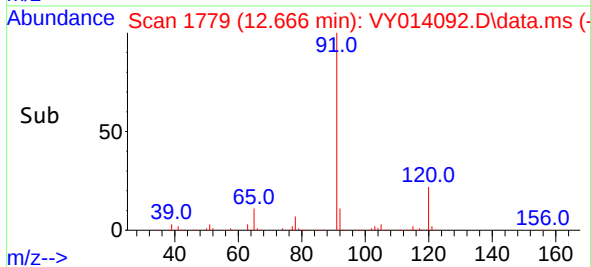
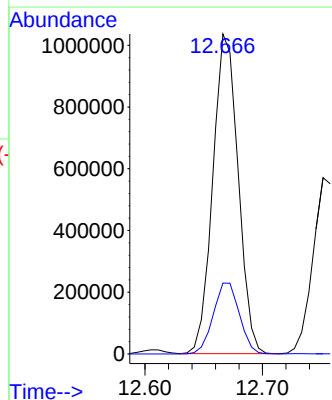
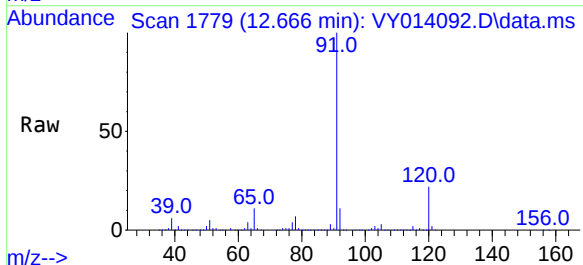
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

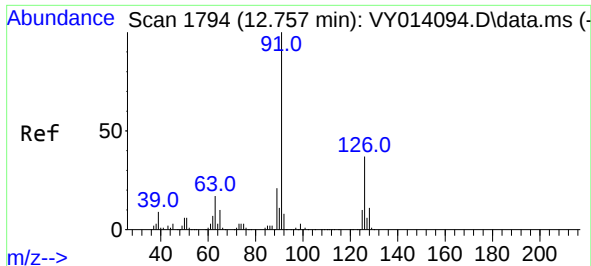
Tgt Ion:156 Resp: 322707  
Ion Ratio Lower Upper  
156 100  
77 179.8 92.8 278.6  
158 96.2 48.4 145.3



#78  
n-propylbenzene  
Concen: 103.295 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 91 Resp: 1552902  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.5 34.4

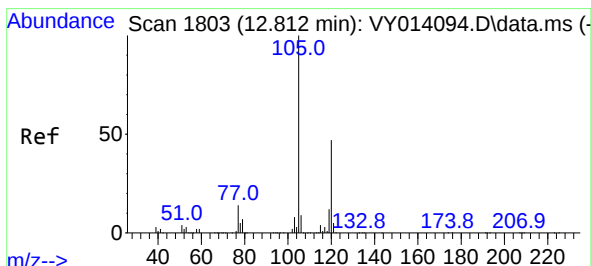
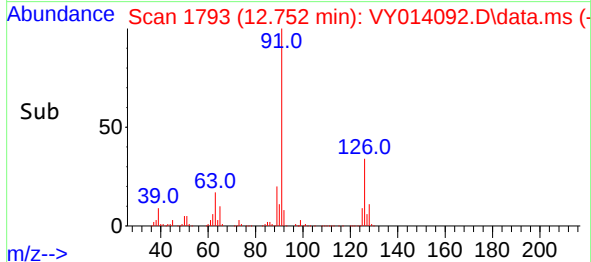
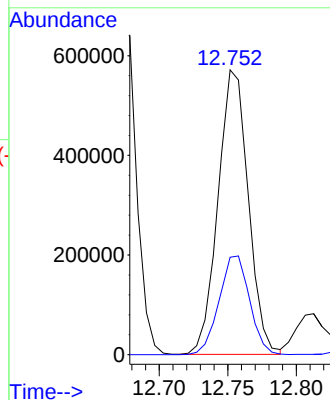
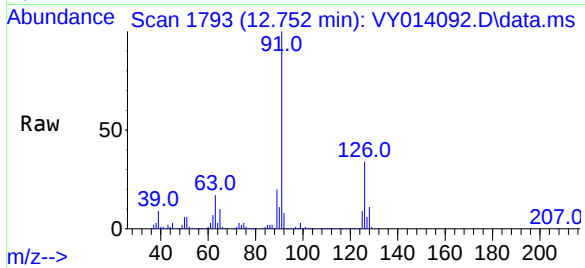




#79  
2-Chlorotoluene  
Concen: 101.556 ug/l  
RT: 12.752 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

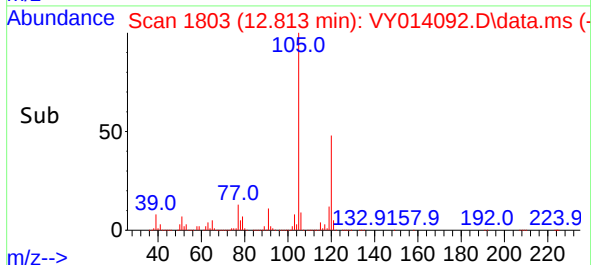
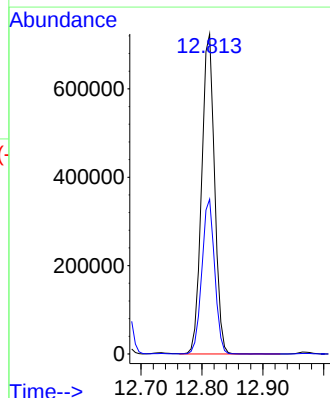
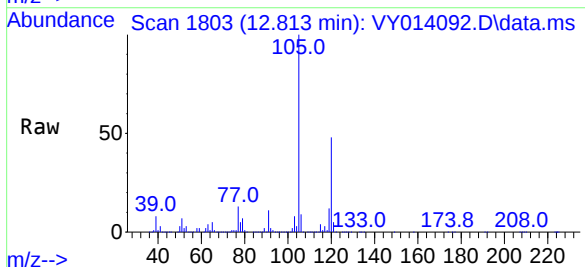
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

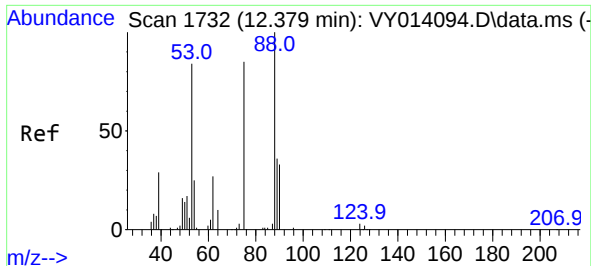
Tgt Ion: 91 Resp: 878497  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 101.246 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:105 Resp: 1067035  
Ion Ratio Lower Upper  
105 100  
120 47.9 23.9 71.7

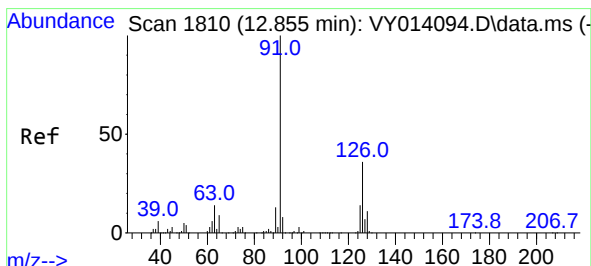
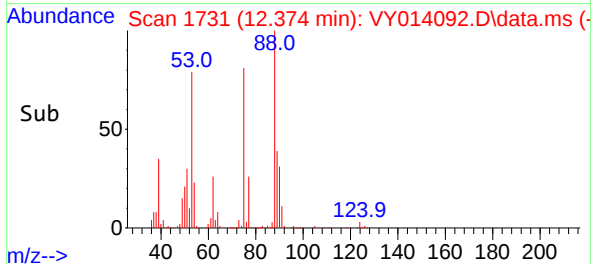
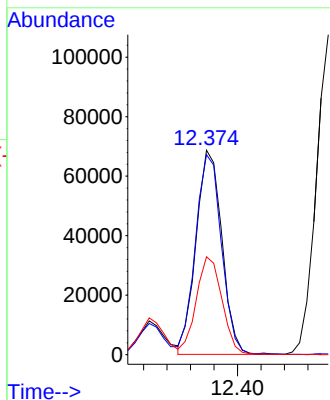
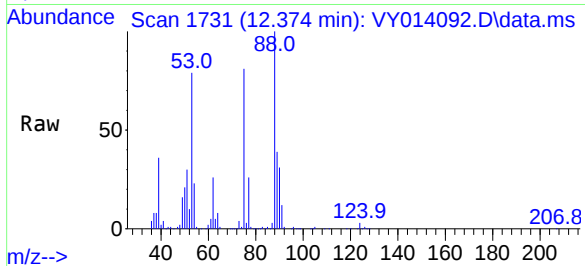




#81  
trans-1,4-Dichloro-2-butene  
Concen: 107.282 ug/l  
RT: 12.374 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

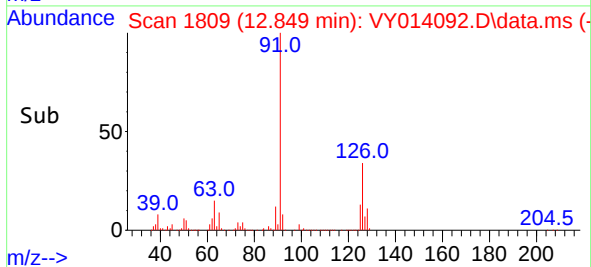
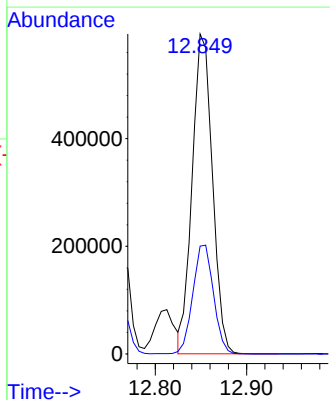
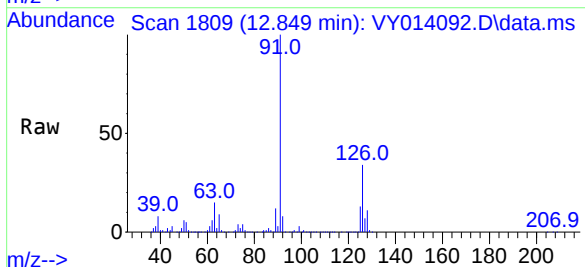
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

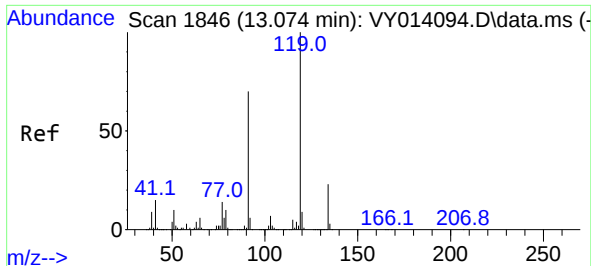
Tgt Ion: 75 Resp: 105058  
Ion Ratio Lower Upper  
75 100  
53 99.3 77.8 116.8  
89 47.8 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 99.732 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 91 Resp: 914225  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.2 51.6

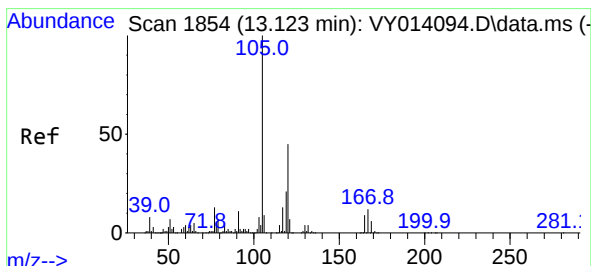
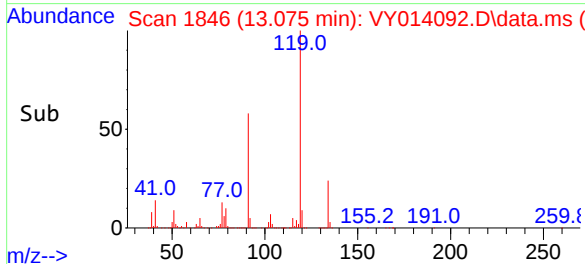
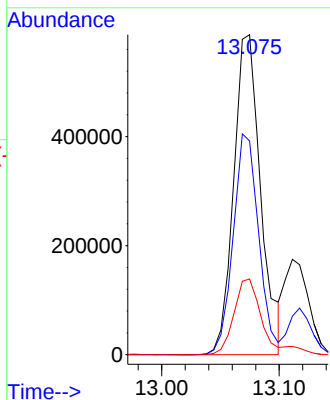
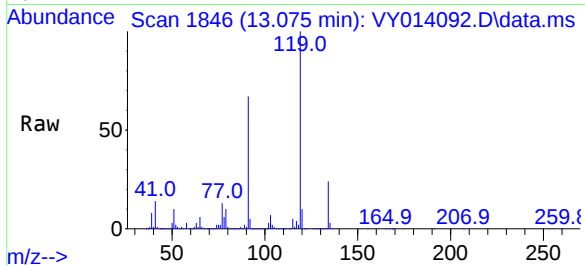




#83  
tert-Butylbenzene  
Concen: 104.566 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.001 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

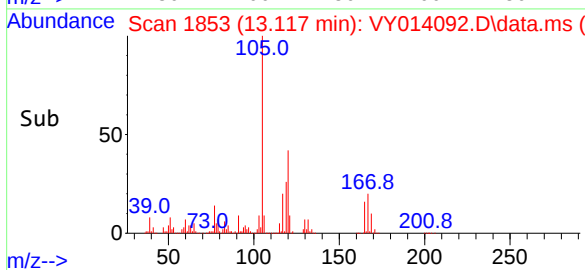
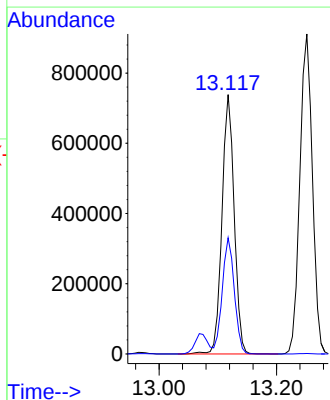
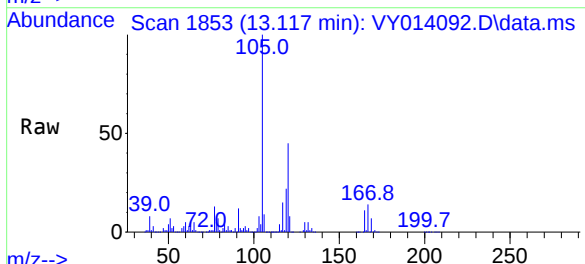
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

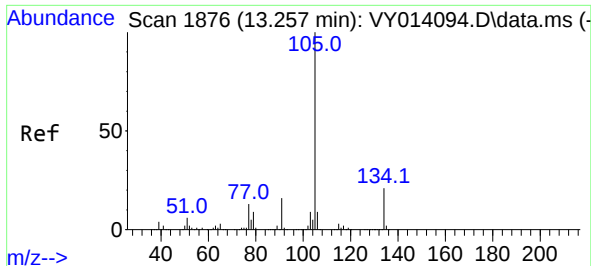
Tgt Ion:119 Resp: 936497  
Ion Ratio Lower Upper  
119 100  
91 65.3 32.9 98.6  
134 25.1 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 101.956 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:105 Resp: 1063641  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.2 66.6

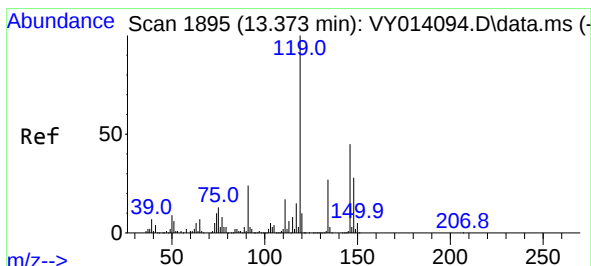
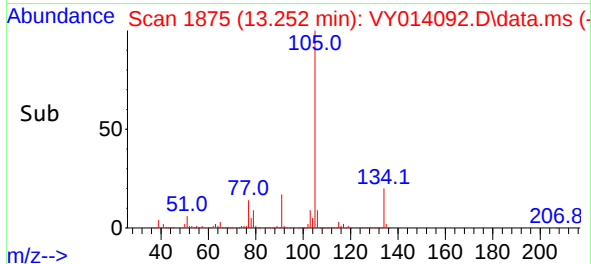
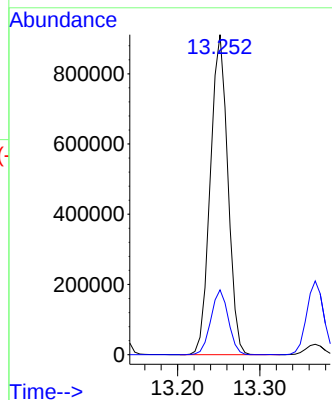
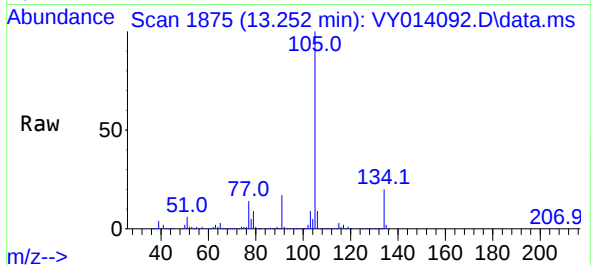




#85  
 sec-Butylbenzene  
 Concen: 103.374 ug/l  
 RT: 13.252 min Scan# 11  
 Delta R.T. -0.005 min  
 Lab File: VY014092.D  
 Acq: 09 Jun 2023 12:15

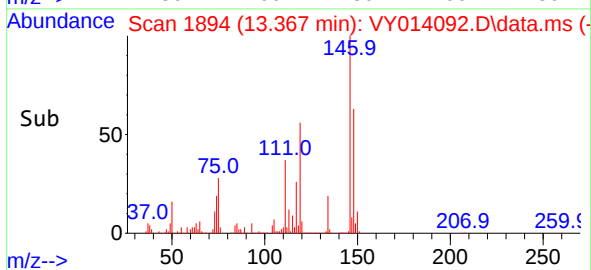
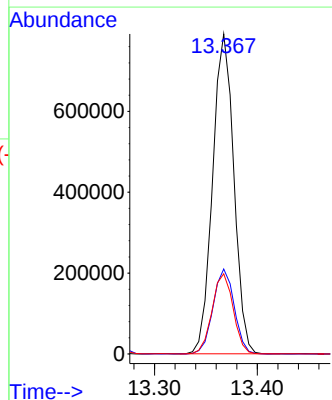
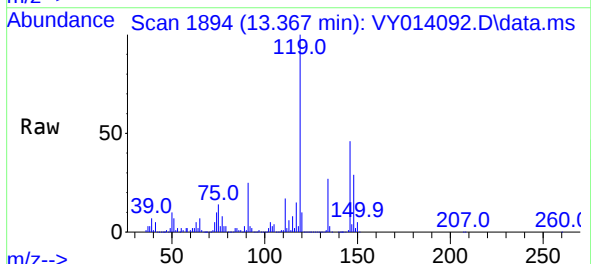
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC100

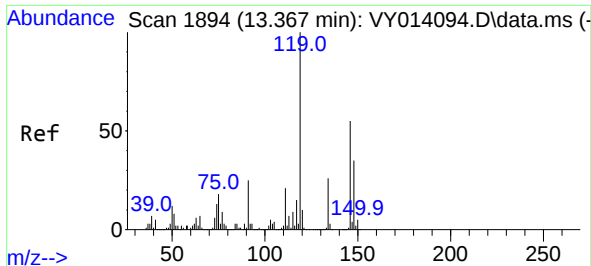
Tgt Ion:105 Resp: 1346019  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 10.2 30.6



#86  
 p-Isopropyltoluene  
 Concen: 101.508 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.006 min  
 Lab File: VY014092.D  
 Acq: 09 Jun 2023 12:15

Tgt Ion:119 Resp: 1131179  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 13.3 39.8  
 91 25.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 98.642 ug/l

RT: 13.361 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC100

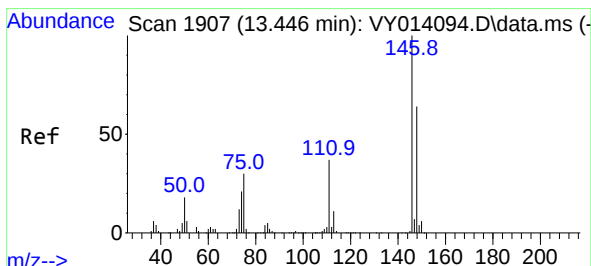
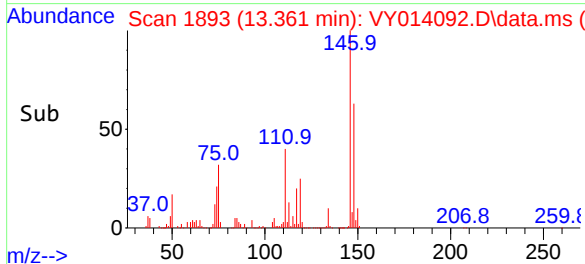
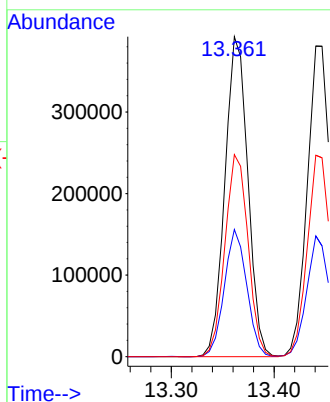
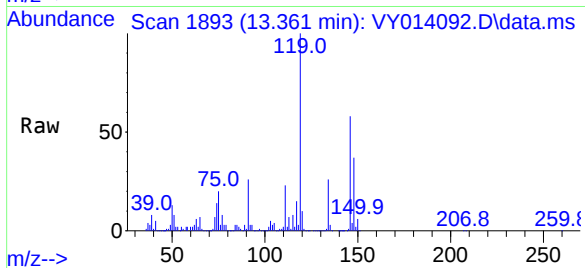
Tgt Ion:146 Resp: 609272

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

148 63.6 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 96.239 ug/l

RT: 13.441 min Scan# 1906

Delta R.T. -0.005 min

Lab File: VY014092.D

Acq: 09 Jun 2023 12:15

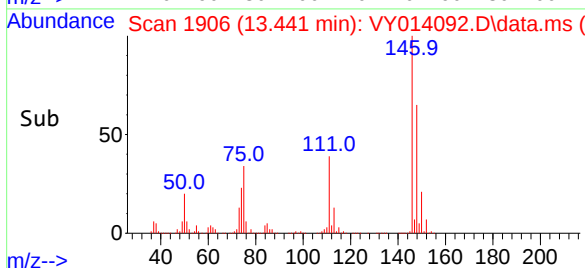
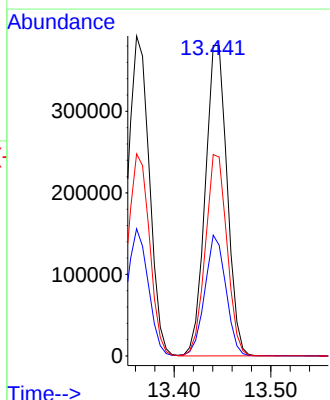
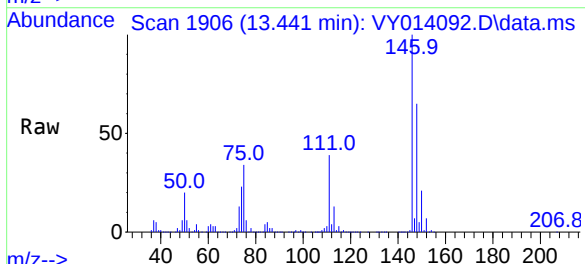
Tgt Ion:146 Resp: 598916

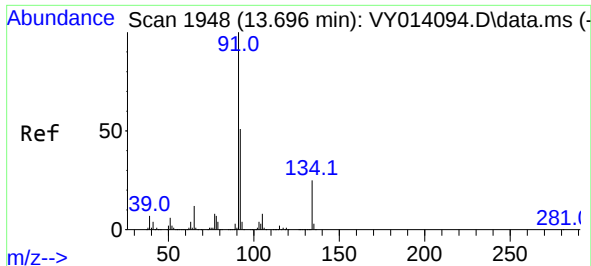
Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.7

148 64.2 32.1 96.5

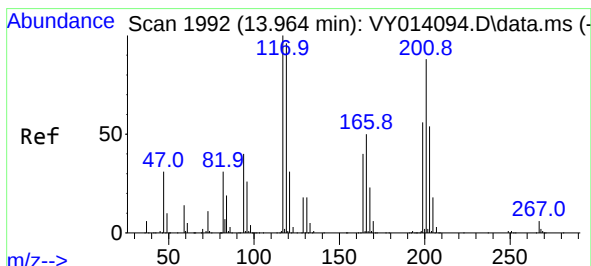
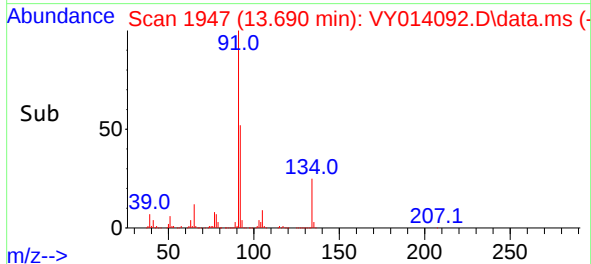
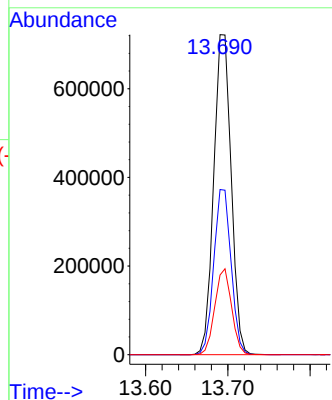
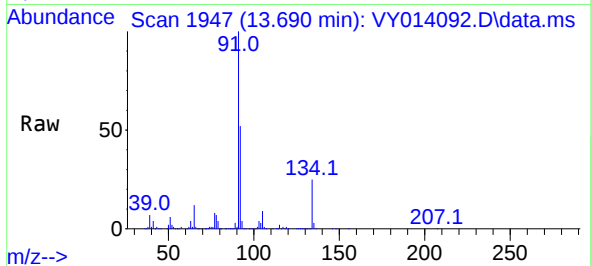




#89  
n-Butylbenzene  
Concen: 103.162 ug/l  
RT: 13.690 min Scan# 1948  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

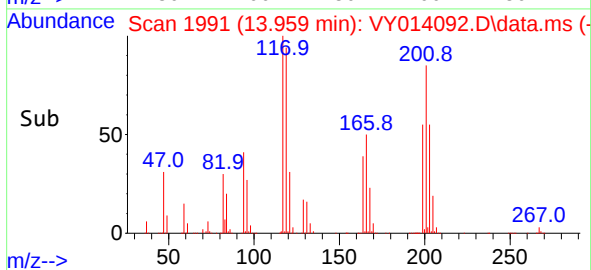
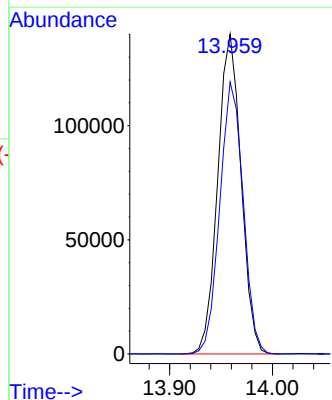
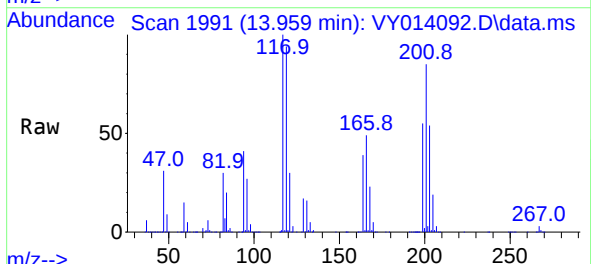
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

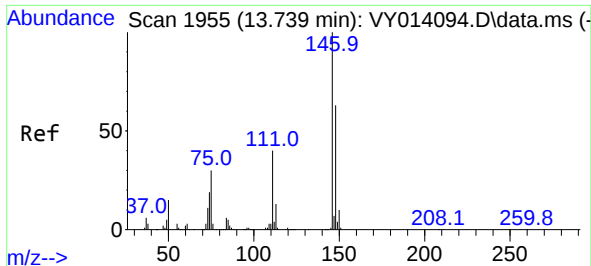
Tgt Ion: 91 Resp: 1066267  
Ion Ratio Lower Upper  
91 100  
92 51.2 25.4 76.0  
134 25.9 12.6 37.6



#90  
Hexachloroethane  
Concen: 99.267 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.005 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 117 Resp: 220429  
Ion Ratio Lower Upper  
117 100  
201 85.3 41.6 124.8

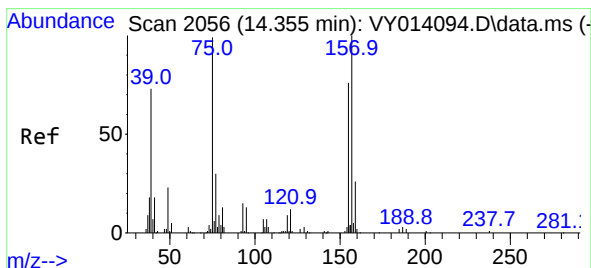
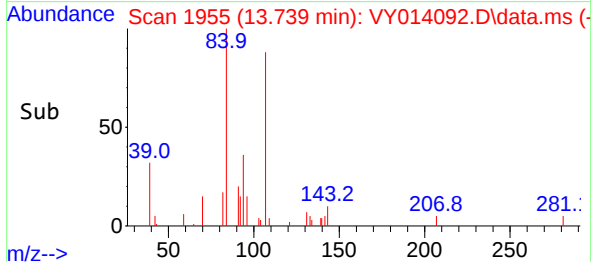
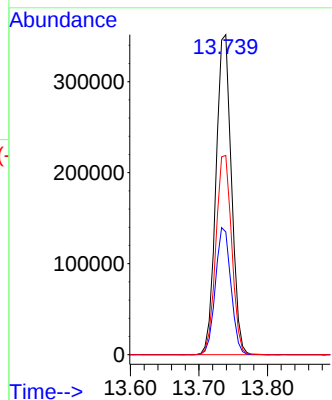
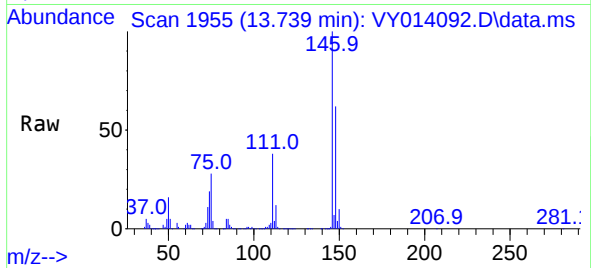




#91  
1,2-Dichlorobenzene  
Concen: 98.871 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

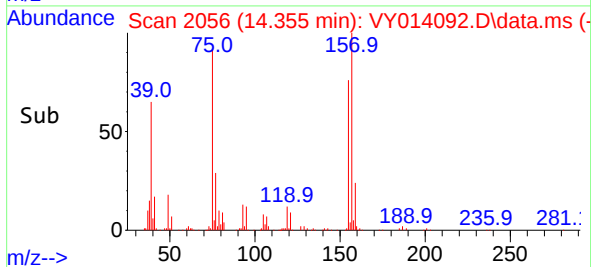
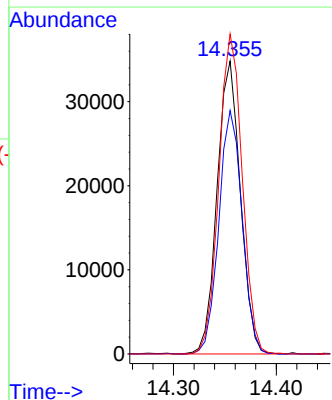
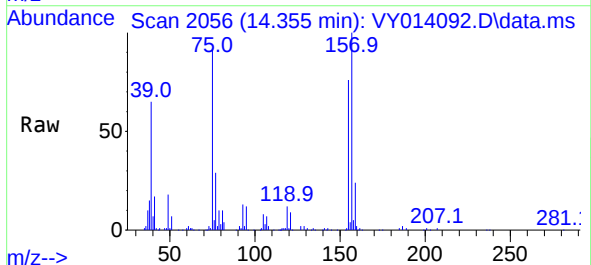
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

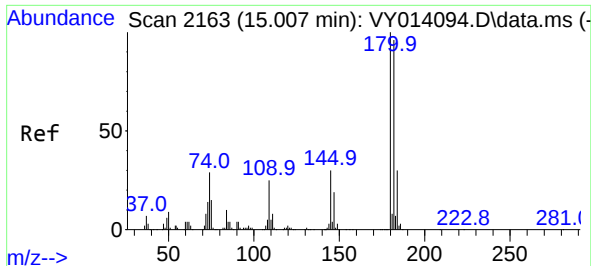
Tgt Ion:146 Resp: 548481  
Ion Ratio Lower Upper  
146 100  
111 39.8 19.7 59.0  
148 63.7 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 104.583 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion: 75 Resp: 54774  
Ion Ratio Lower Upper  
75 100  
155 83.2 41.5 124.6  
157 109.7 51.8 155.5

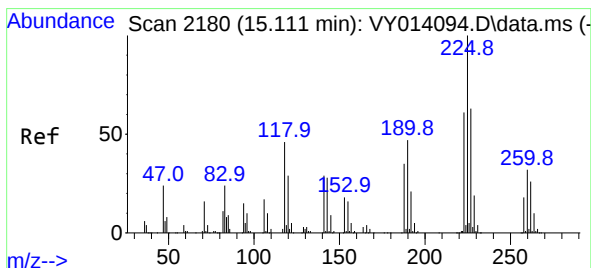
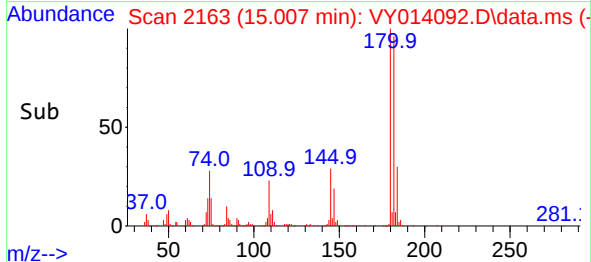
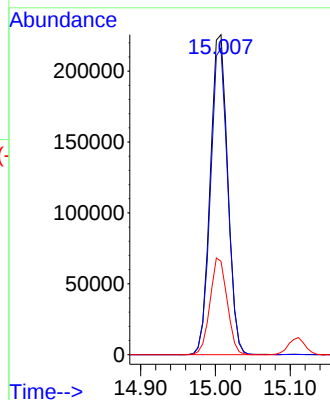
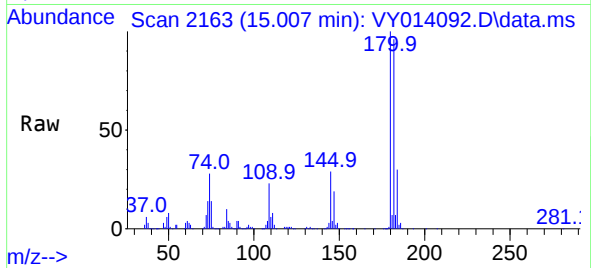




#93  
1,2,4-Trichlorobenzene  
Concen: 104.104 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

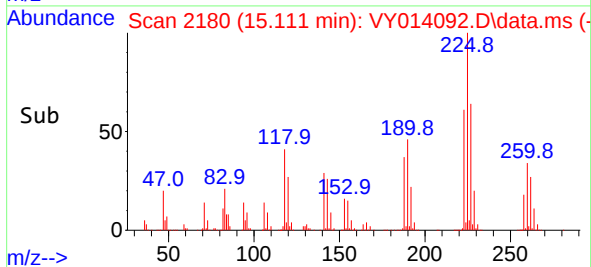
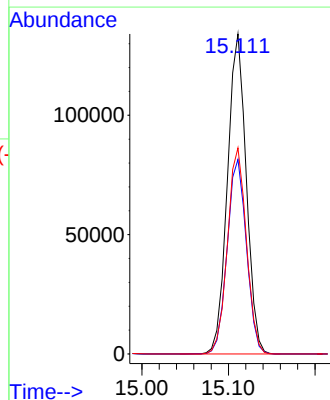
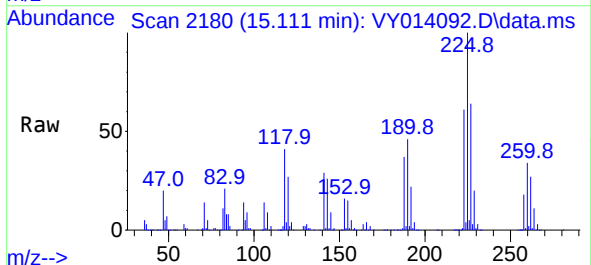
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

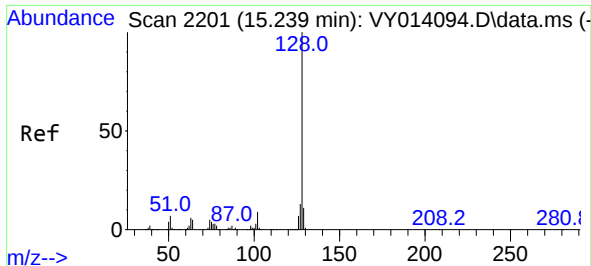
Tgt Ion:180 Resp: 365846  
Ion Ratio Lower Upper  
180 100  
182 94.5 47.0 141.2  
145 29.6 14.5 43.5



#94  
Hexachlorobutadiene  
Concen: 99.756 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.000 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:225 Resp: 202391  
Ion Ratio Lower Upper  
225 100  
223 61.9 31.9 95.9  
227 64.6 33.0 98.9



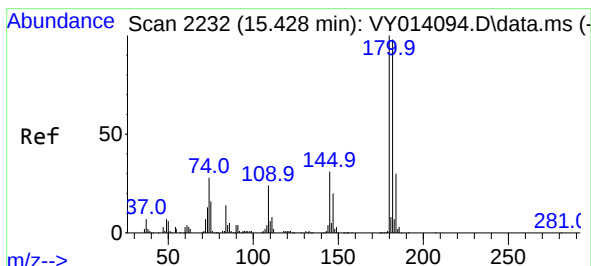
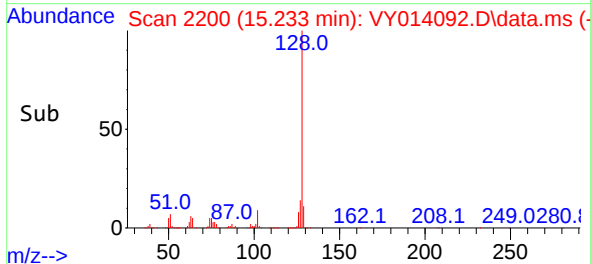
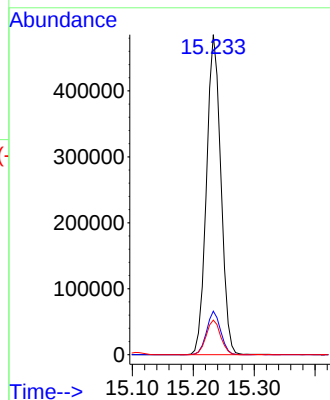
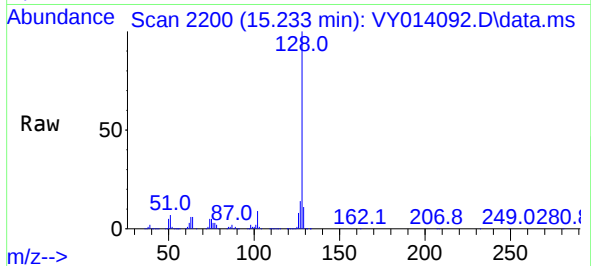


#95  
Naphthalene  
Concen: 111.261 ug/l  
RT: 15.233 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC100

Tgt Ion:128 Resp: 793627

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.8  | 16.2  |
| 129 | 10.9  | 8.6   | 13.0  |



#96  
1,2,3-Trichlorobenzene  
Concen: 103.217 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: VY014092.D  
Acq: 09 Jun 2023 12:15

Tgt Ion:180 Resp: 327769

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.0  | 47.3  | 141.8 |
| 145 | 31.0  | 15.4  | 46.2  |

