

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052722\  
 Data File : VD073404.D  
 Acq On : 27 May 2022 11:49  
 Operator : VA/SY  
 Sample : VD0527SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 28 09:41:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.973  | 168   | 325635   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855  | 114   | 540882   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.637 | 117   | 512043   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561 | 152   | 261031   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326  | 65    | 176632   | 49.082   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.160%  |
| 35) Dibromofluoromethane     | 7.908  | 113   | 190327   | 53.326   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 106.660% |
| 50) Toluene-d8               | 10.332 | 98    | 690402   | 52.476   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 104.960% |
| 62) 4-Bromofluorobenzene     | 12.620 | 95    | 255263   | 55.285   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 110.580% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991  | 85    | 69858    | 21.469   | ug/l   | 93       |
| 3) Chloromethane             | 2.209  | 50    | 69366    | 18.853   | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.344  | 62    | 65980    | 19.611   | ug/l   | 96       |
| 5) Bromomethane              | 2.750  | 94    | 47724    | 19.679   | ug/l   | 95       |
| 6) Chloroethane              | 2.909  | 64    | 41897    | 20.257   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.261  | 101   | 131013   | 22.023   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.709  | 74    | 34191    | 20.916   | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091  | 101   | 79493    | 22.395   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.291  | 142   | 63961    | 16.702   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.185  | 59    | 57755    | 103.440  | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 4.061  | 96    | 67816    | 20.723   | ug/l   | 89       |
| 13) Acrolein                 | 3.914  | 56    | 21439    | 85.556   | ug/l   | 94       |
| 14) Allyl chloride           | 4.708  | 41    | 103521   | 19.597   | ug/l   | 91       |
| 15) Acrylonitrile            | 5.408  | 53    | 79768    | 106.711  | ug/l   | 95       |
| 16) Acetone                  | 4.156  | 43    | 64821    | 103.990  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.403  | 76    | 195779   | 18.047   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.714  | 43    | 38992    | 22.496   | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.473  | 73    | 155516   | 20.860   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.955  | 84    | 103945   | 24.232   | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.473  | 96    | 81134    | 20.505   | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.355  | 45    | 233451   | 21.082   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.303  | 43    | 588214   | 99.586   | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.250  | 63    | 145226   | 20.432   | ug/l   | 96       |
| 25) 2-Butanone               | 7.202  | 43    | 95327    | 104.529  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.202  | 77    | 126668   | 20.897   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.208  | 96    | 89890    | 20.531   | ug/l   | 92       |
| 28) Bromochloromethane       | 7.538  | 49    | 43766    | 17.873   | ug/l # | 75       |
| 29) Tetrahydrofuran          | 7.555  | 42    | 59519    | 100.932  | ug/l # | 88       |
| 30) Chloroform               | 7.702  | 83    | 156892   | 21.143   | ug/l   | 100      |
| 31) Cyclohexane              | 7.979  | 56    | 129324   | 20.564   | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 7.897  | 97    | 138994   | 21.416   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.108  | 75    | 112817   | 21.017   | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.285  | 43    | 42059    | 19.837   | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 8.091  | 117   | 120049   | 22.063   | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.344  | 83    | 124262   | 20.772   | ug/l   | 98       |
| 40) Benzene                  | 8.344  | 78    | 329654   | 21.309   | ug/l   | 100      |

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 Operator : VA/SY  
 Sample : VD0527SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: May 28 09:41:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 28609    | 23.159  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 92199    | 21.419  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 81902    | 20.898  | ug/l # | 90       |
| 44) Trichloroethene           | 9.108  | 130  | 91380    | 22.151  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 85258    | 21.883  | ug/l   | 94       |
| 46) Dibromomethane            | 9.467  | 93   | 45729    | 21.371  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.655  | 83   | 119658   | 21.855  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.449  | 41   | 40919    | 20.753  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 9923     | 449.060 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 219251   | 107.715 | ug/l   | 93       |
| 52) Toluene                   | 10.396 | 92   | 215913   | 22.086  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 107315   | 21.696  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 128055   | 21.634  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 64448    | 22.273  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 68344    | 21.244  | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 107641   | 22.171  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 133720   | 101.541 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.973 | 43   | 147141   | 109.646 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.132 | 129  | 83667    | 23.189  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 61576    | 22.270  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.873 | 164  | 75669    | 22.562  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.661 | 112  | 231669   | 22.054  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 89940    | 23.087  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 401723   | 21.785  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.843 | 106  | 319251   | 44.562  | ug/l   | 99       |
| 69) o-Xylene                  | 12.173 | 106  | 146229   | 22.218  | ug/l   | 96       |
| 70) Styrene                   | 12.185 | 104  | 257028   | 22.699  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 47035    | 23.458  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 392682   | 21.102  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 83101    | 20.471  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 73643    | 21.458  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 90946    | 35.510  | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 95345    | 21.766  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.808 | 91   | 502246   | 21.499  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 284284   | 21.076  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 346237   | 21.964  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 22597    | 21.181  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 304333   | 21.525  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 292912   | 22.048  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 339707   | 21.814  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.384 | 105  | 441636   | 21.771  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 367586   | 22.229  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 198638   | 22.497  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 196702   | 22.069  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.826 | 91   | 347791   | 22.074  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 74516    | 21.778  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 172197   | 22.540  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.484 | 75   | 11903    | 22.647  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 93375    | 21.529  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 55192    | 22.582  | ug/l   | 97       |
| 95) Naphthalene               | 15.384 | 128  | 160583   | 21.009  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 85751    | 22.302  | ug/l   | 99       |

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Operator : VA/SY  
Sample : VD0527SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

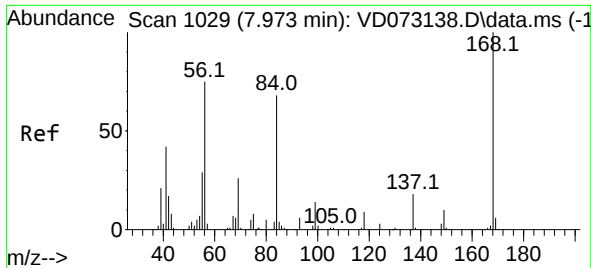
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: May 28 09:41:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

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

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

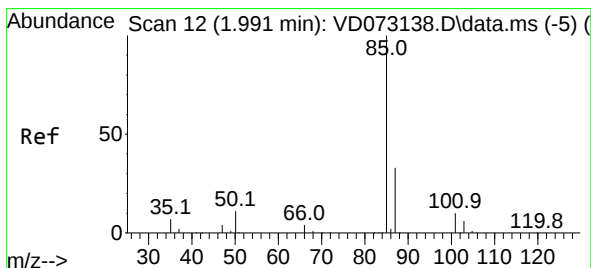
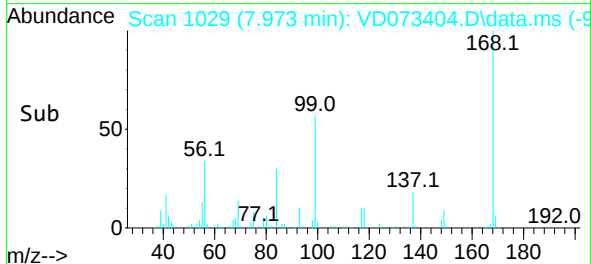
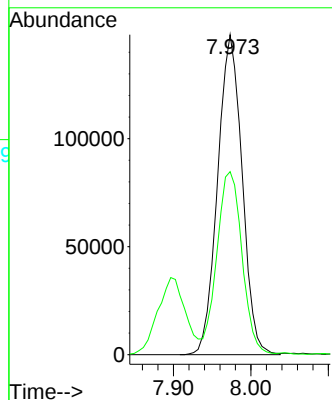
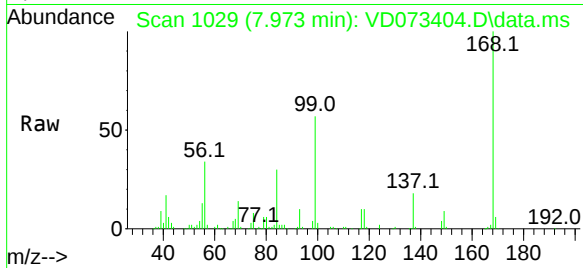




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

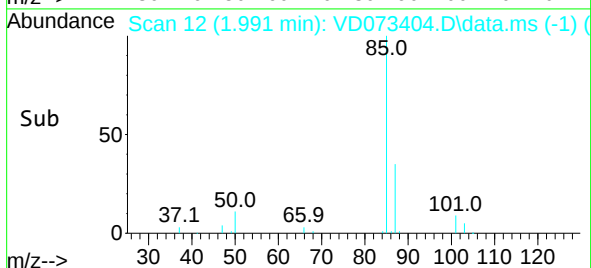
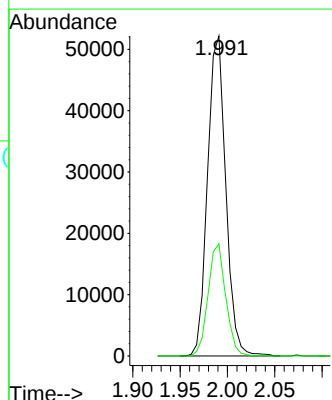
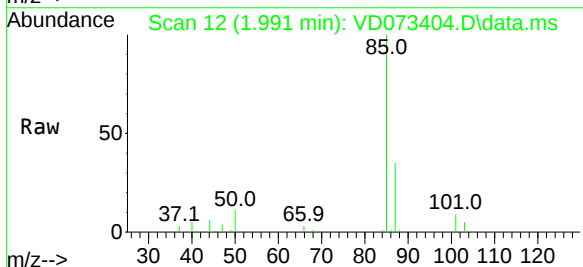
Instrument :  
MSVOA\_D  
ClientSampleId :

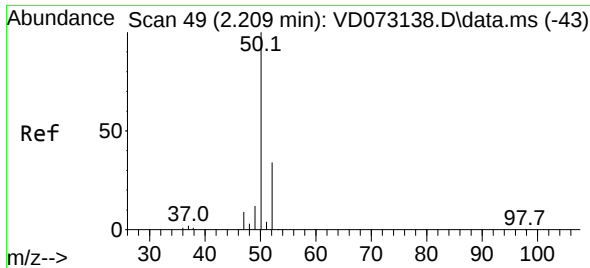
Tgt Ion:168 Resp: 325635  
Ion Ratio Lower Upper  
168 100  
99 56.7 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 21.469 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 85 Resp: 69858  
Ion Ratio Lower Upper  
85 100  
87 35.1 15.7 47.0

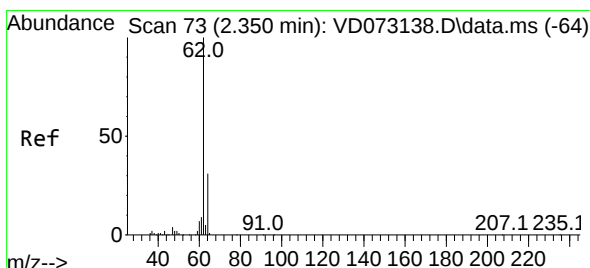
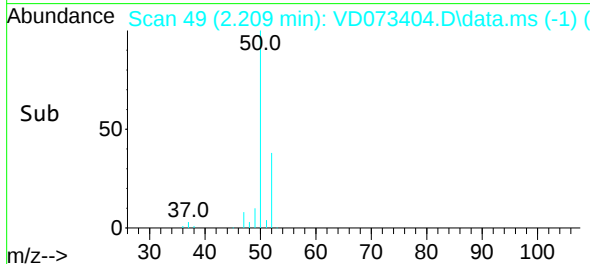
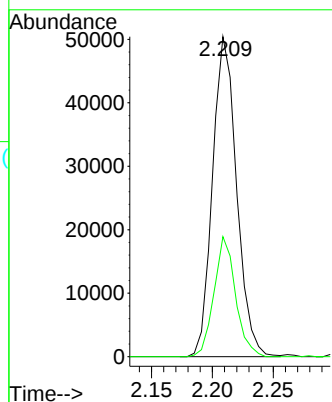
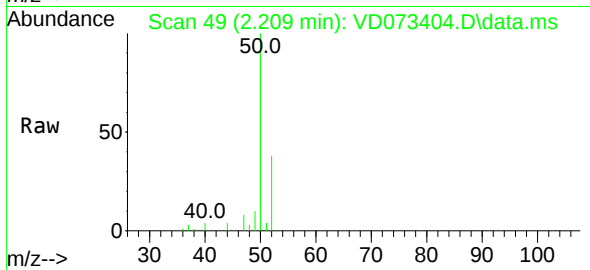




#3  
Chloromethane  
Concen: 18.853 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

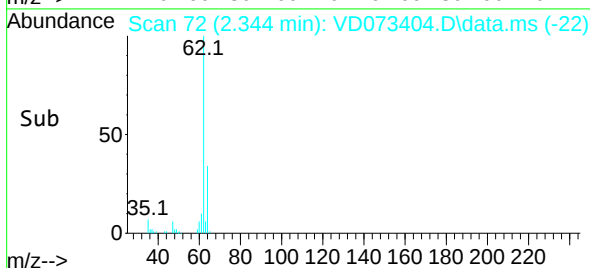
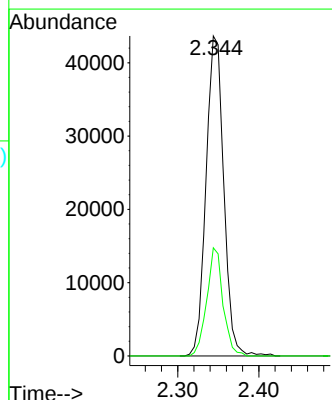
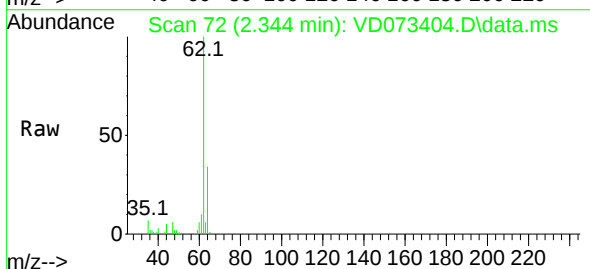
Instrument :  
MSVOA\_D  
ClientSampleId :

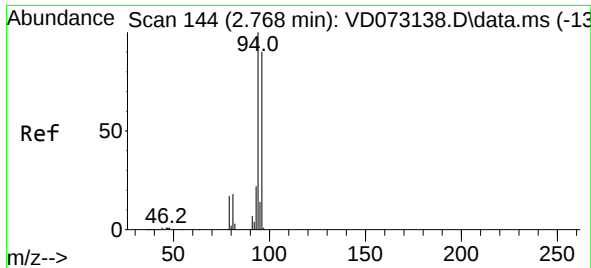
Tgt Ion: 50 Resp: 69366  
Ion Ratio Lower Upper  
50 100  
52 37.5 27.4 41.0



#4  
Vinyl Chloride  
Concen: 19.611 ug/l  
RT: 2.344 min Scan# 72  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 62 Resp: 65980  
Ion Ratio Lower Upper  
62 100  
64 33.8 25.4 38.0

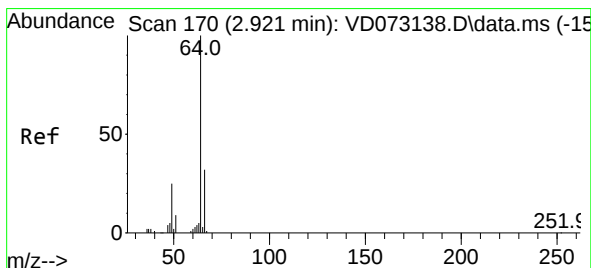
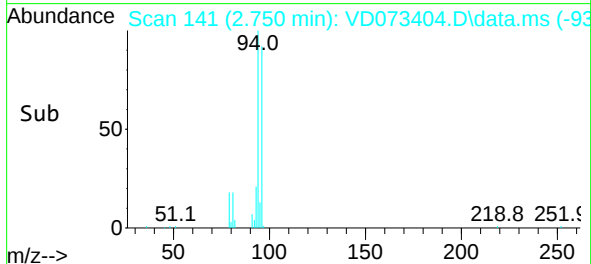
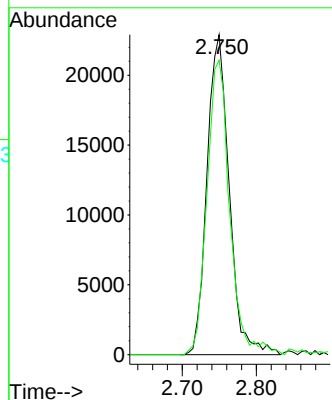
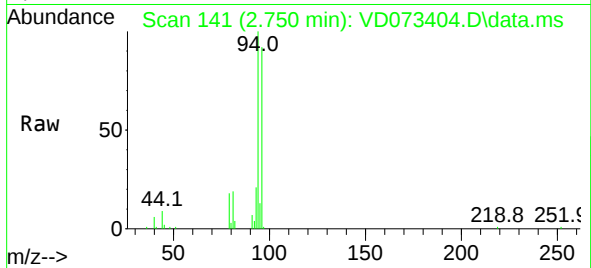




#5  
Bromomethane  
Concen: 19.679 ug/l  
RT: 2.750 min Scan# 144  
Delta R.T. -0.018 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

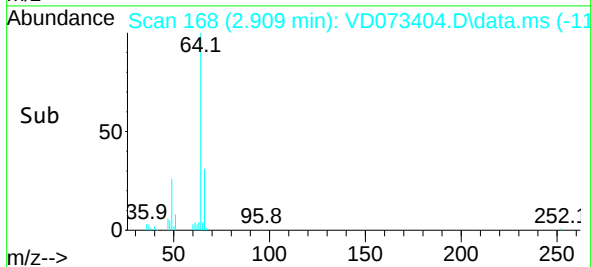
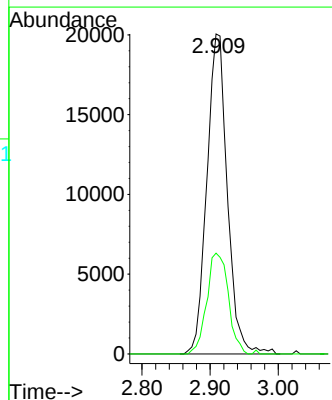
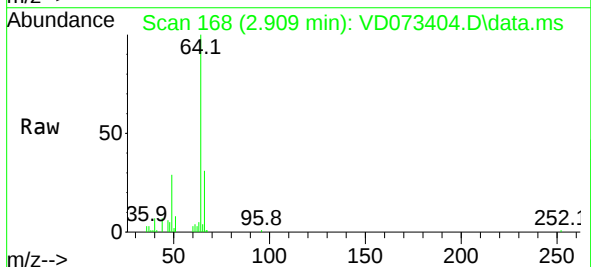
Instrument :  
MSVOA\_D  
ClientSampleId :

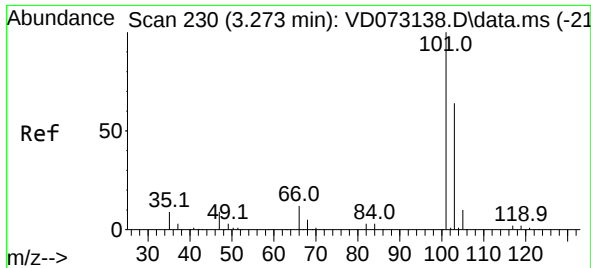
Tgt Ion: 94 Resp: 47724  
Ion Ratio Lower Upper  
94 100  
96 92.0 77.6 116.4



#6  
Chloroethane  
Concen: 20.257 ug/l  
RT: 2.909 min Scan# 168  
Delta R.T. -0.012 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 64 Resp: 41897  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.9 38.9

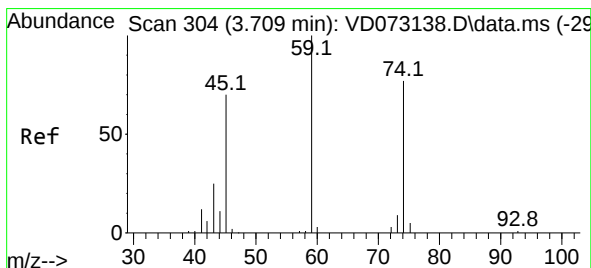
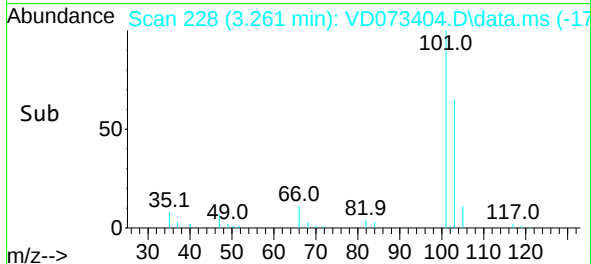
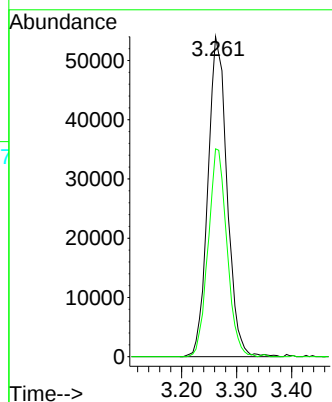
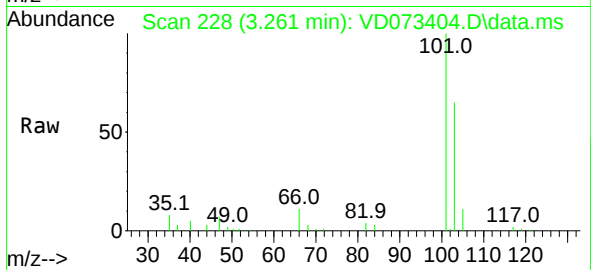




#7  
Trichlorofluoromethane  
Concen: 22.023 ug/l  
RT: 3.261 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

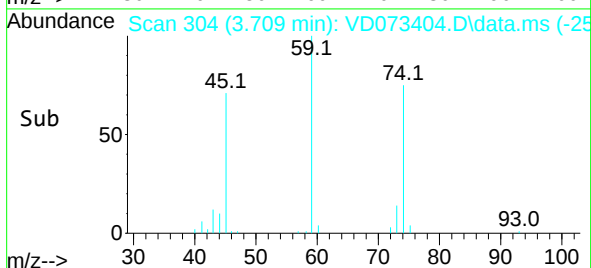
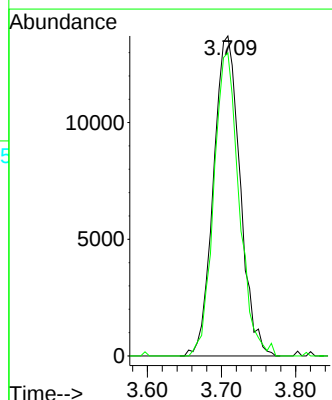
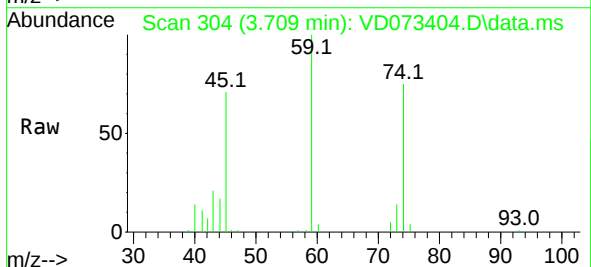
Instrument :  
MSVOA\_D  
ClientSampleId :

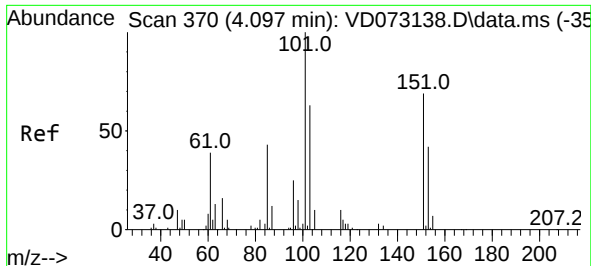
Tgt Ion:101 Resp: 131013  
Ion Ratio Lower Upper  
101 100  
103 64.9 50.1 75.1



#8  
Diethyl Ether  
Concen: 20.916 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 74 Resp: 34191  
Ion Ratio Lower Upper  
74 100  
45 90.5 52.6 157.8

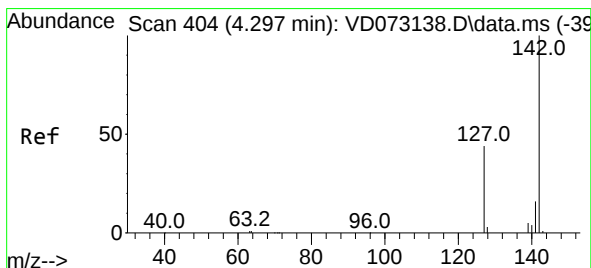
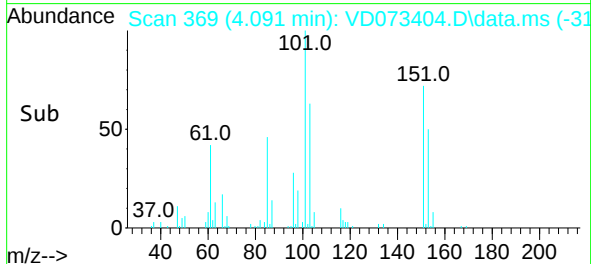
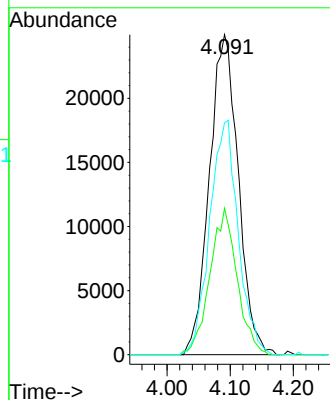
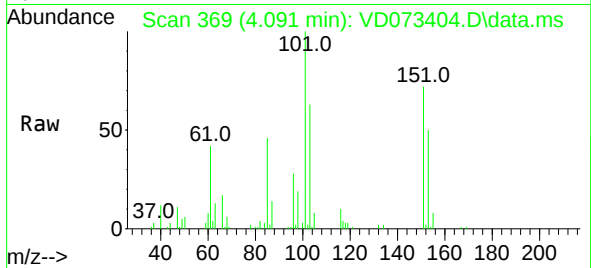




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 22.395 ug/l  
RT: 4.091 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

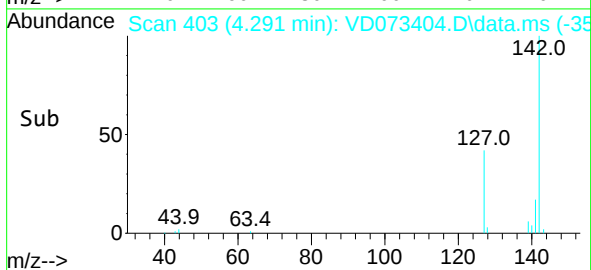
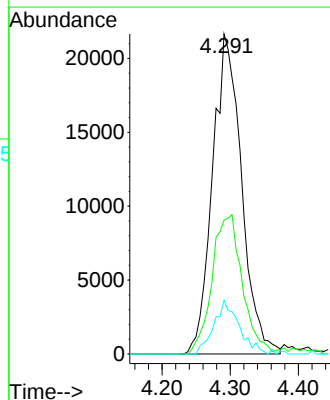
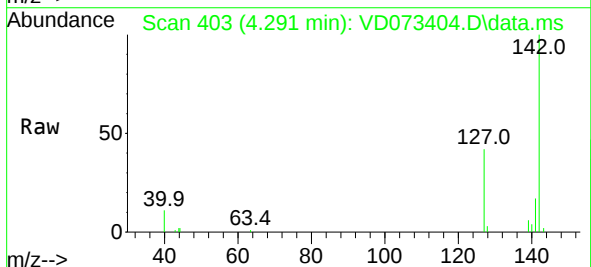
Instrument :  
MSVOA\_D  
ClientSampleId :

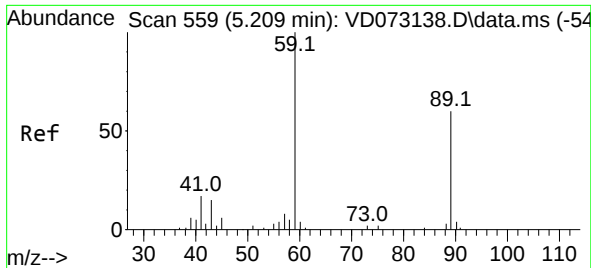
Tgt Ion:101 Resp: 79493  
Ion Ratio Lower Upper  
101 100  
85 43.0 36.4 54.6  
151 72.0 57.3 85.9



#10  
Methyl Iodide  
Concen: 16.702 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion:142 Resp: 63961  
Ion Ratio Lower Upper  
142 100  
127 45.2 37.3 55.9  
141 14.5 11.7 17.5





#11

Tert butyl alcohol

Concen: 103.440 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.024 min

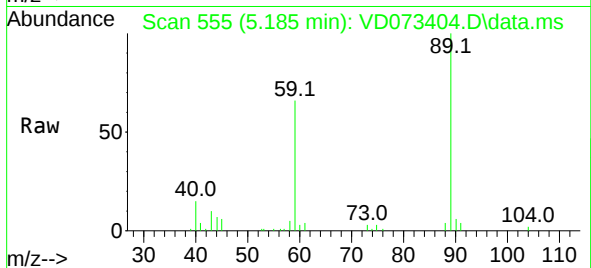
Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

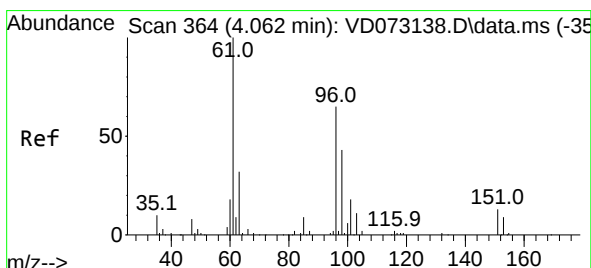
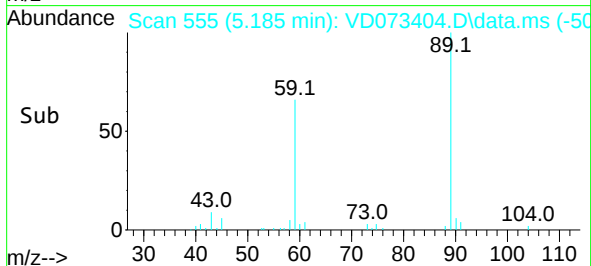
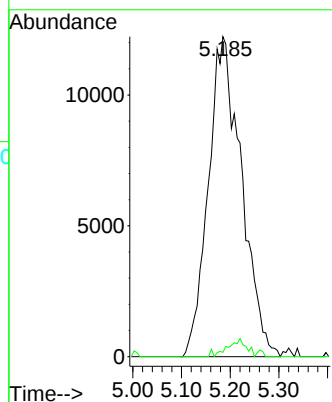


Tgt Ion: 59 Resp: 57755

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 20.723 ug/l

RT: 4.061 min Scan# 364

Delta R.T. -0.001 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

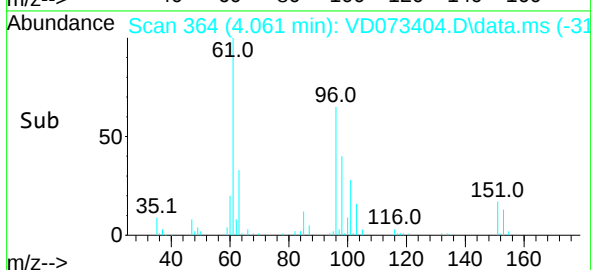
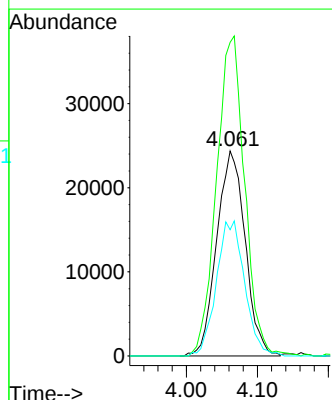
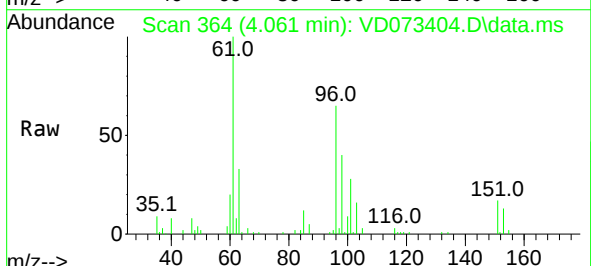
Tgt Ion: 96 Resp: 67816

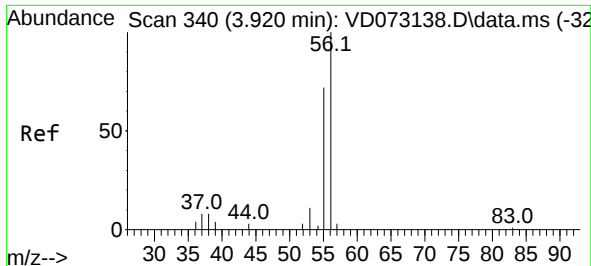
Ion Ratio Lower Upper

96 100

61 153.0 138.5 207.7

98 61.6 48.6 73.0

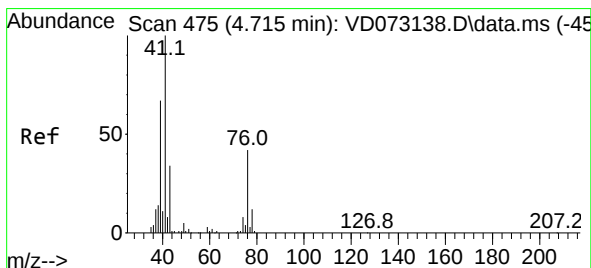
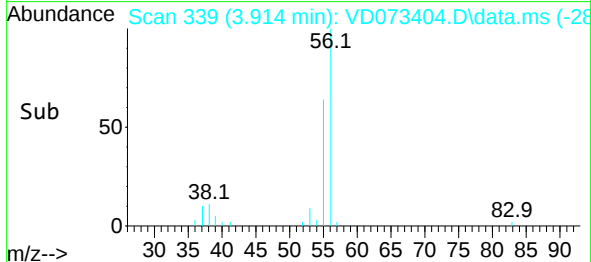
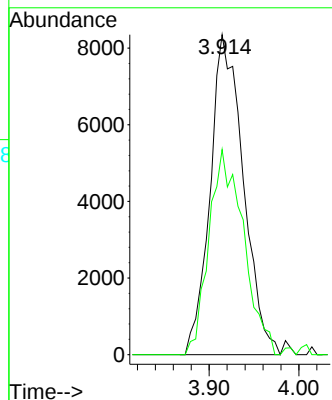
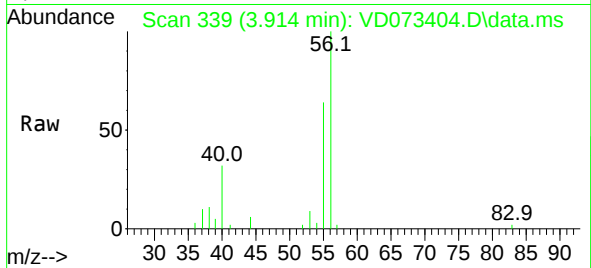




#13  
Acrolein  
Concen: 85.556 ug/l  
RT: 3.914 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

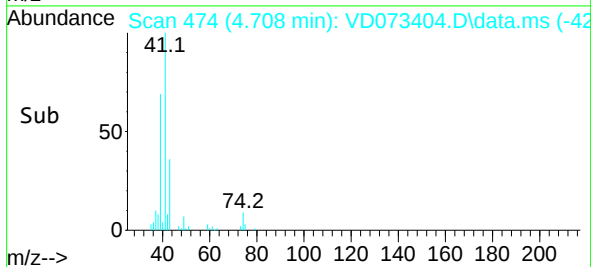
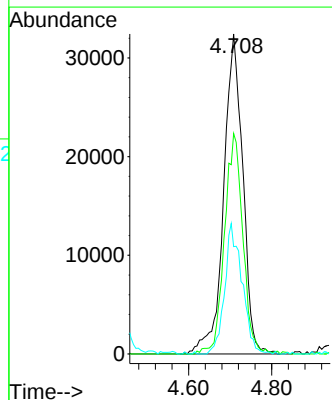
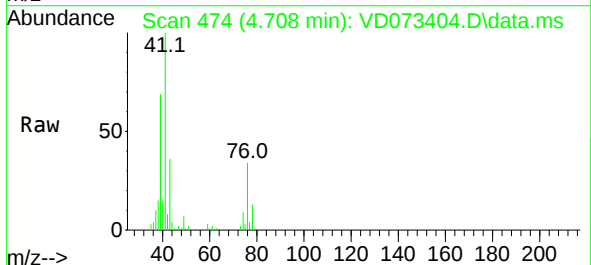
Instrument :  
MSVOA\_D  
ClientSampleId :

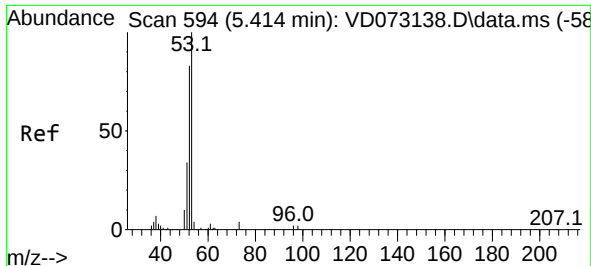
Tgt Ion: 56 Resp: 21439  
Ion Ratio Lower Upper  
56 100  
55 66.7 57.1 85.7



#14  
Allyl chloride  
Concen: 19.597 ug/l  
RT: 4.708 min Scan# 474  
Delta R.T. -0.007 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

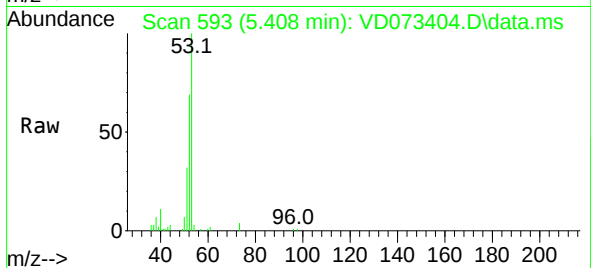
Tgt Ion: 41 Resp: 103521  
Ion Ratio Lower Upper  
41 100  
39 66.2 59.3 88.9  
76 37.1 25.7 38.5



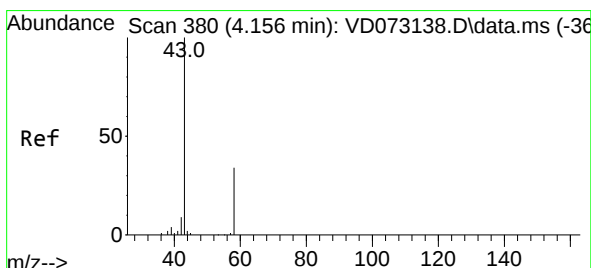
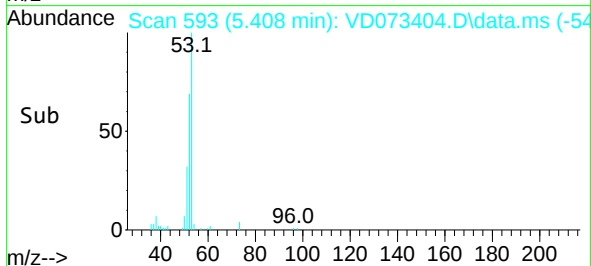
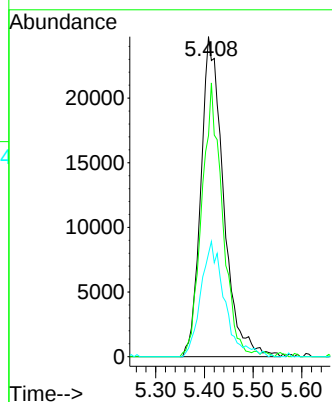


#15  
Acrylonitrile  
Concen: 106.711 ug/l  
RT: 5.408 min Scan# 594  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

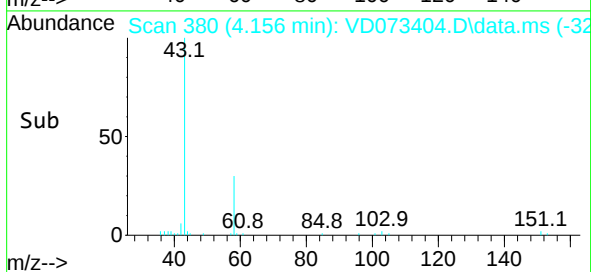
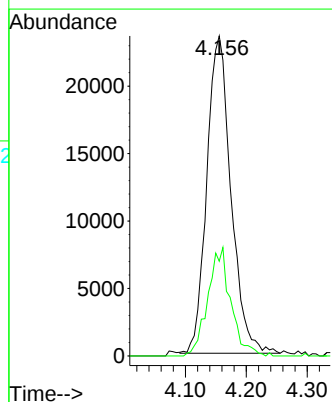
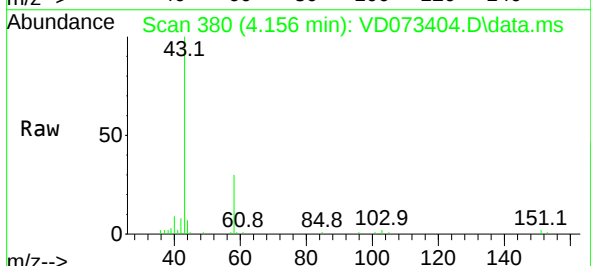


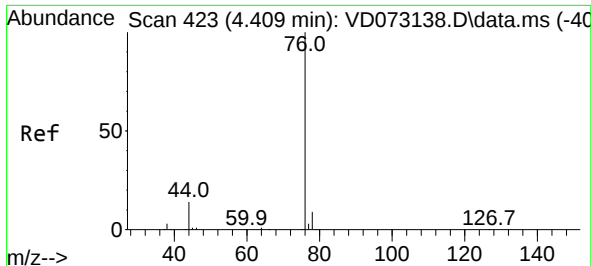
Tgt Ion: 53 Resp: 79768  
Ion Ratio Lower Upper  
53 100  
52 77.8 67.2 100.8  
51 37.9 30.3 45.5



#16  
Acetone  
Concen: 103.990 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 43 Resp: 64821  
Ion Ratio Lower Upper  
43 100  
58 29.8 22.1 33.1

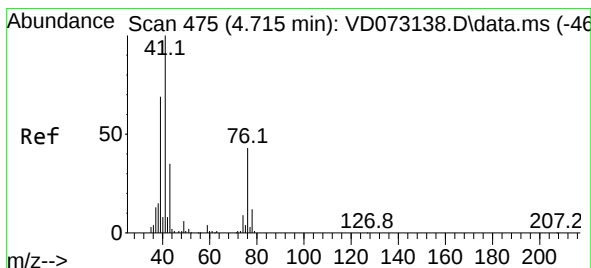
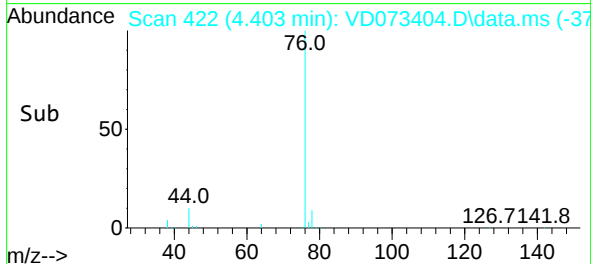
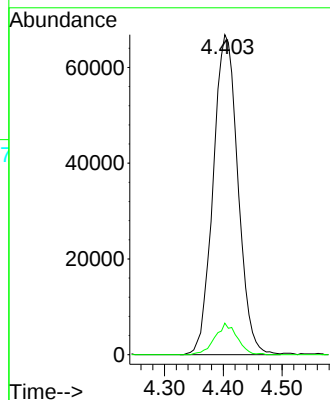
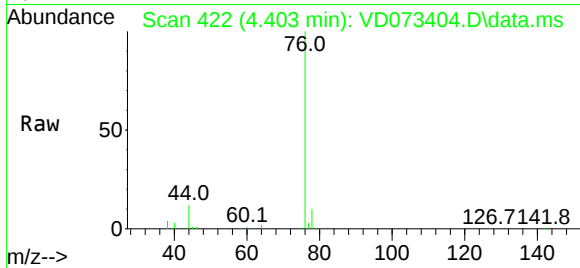




#17  
Carbon Disulfide  
Concen: 18.047 ug/l  
RT: 4.403 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

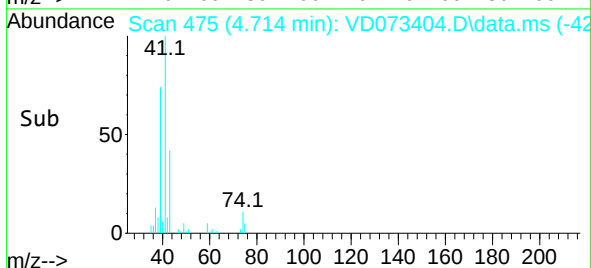
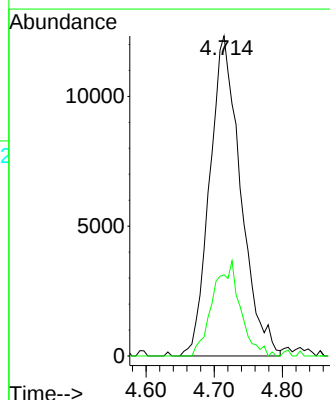
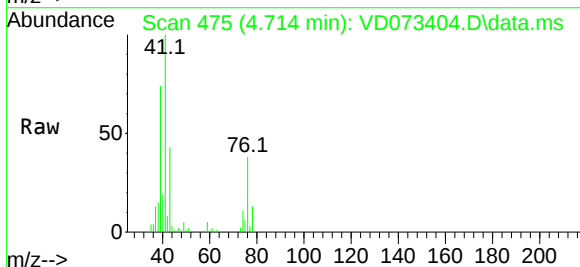
Instrument :  
MSVOA\_D  
ClientSampleId :

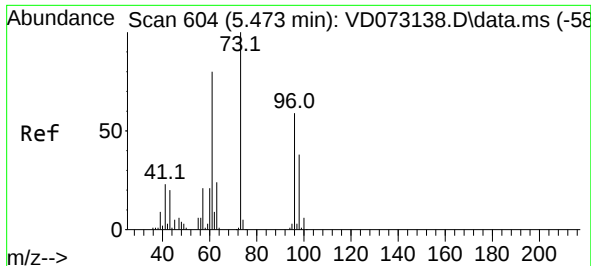
Tgt Ion: 76 Resp: 195779  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.5 11.3



#18  
Methyl Acetate  
Concen: 22.496 ug/l  
RT: 4.714 min Scan# 475  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

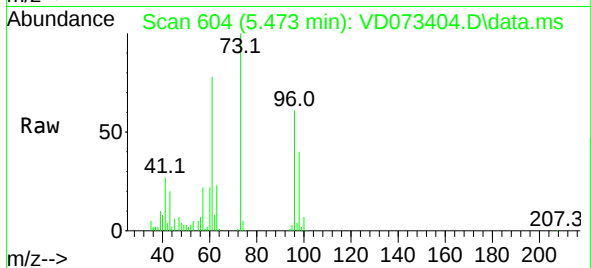
Tgt Ion: 43 Resp: 38992  
Ion Ratio Lower Upper  
43 100  
74 26.3 16.7 25.1#



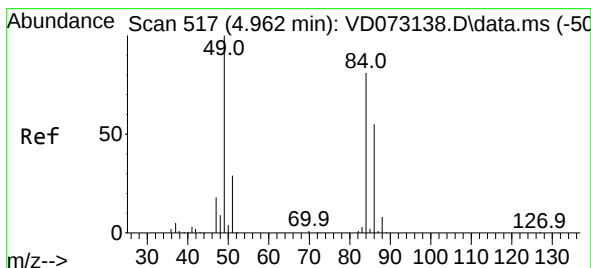
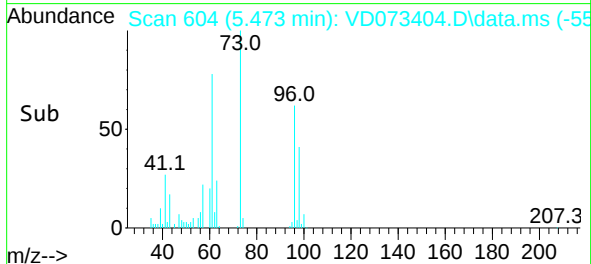
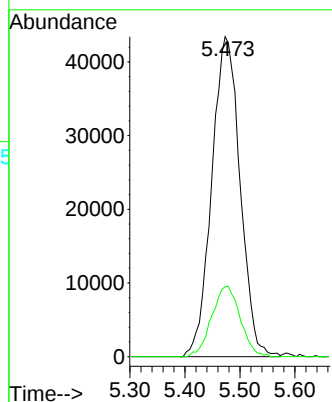


#19  
Methyl tert-butyl Ether  
Concen: 20.860 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

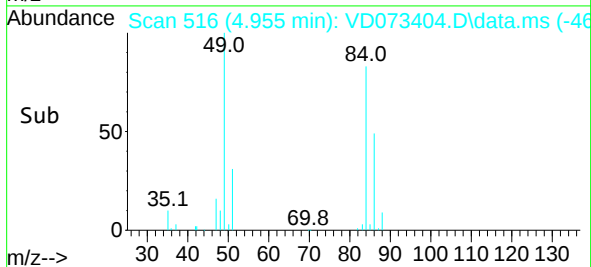
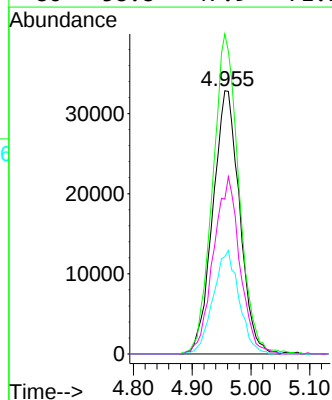
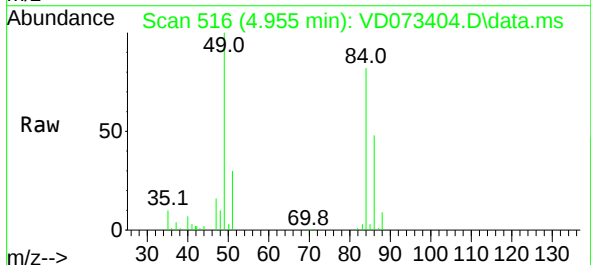


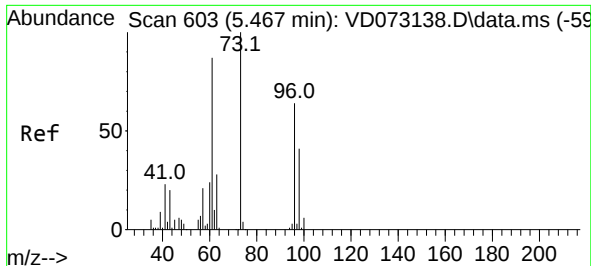
Tgt Ion: 73 Resp: 155516  
Ion Ratio Lower Upper  
73 100  
57 21.9 18.0 27.0



#20  
Methylene Chloride  
Concen: 24.232 ug/l  
RT: 4.955 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 84 Resp: 103945  
Ion Ratio Lower Upper  
84 100  
49 121.6 112.8 169.2  
51 36.9 32.6 48.8  
86 58.8 47.9 71.9

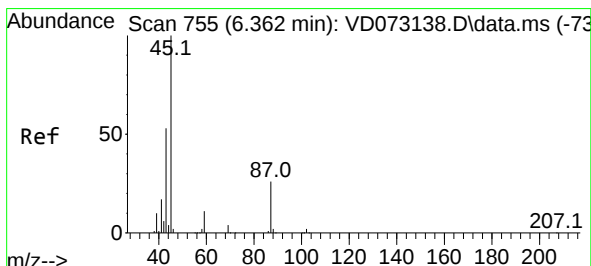
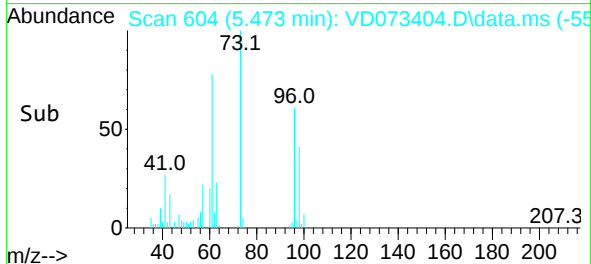
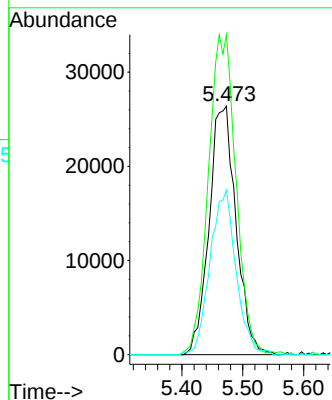
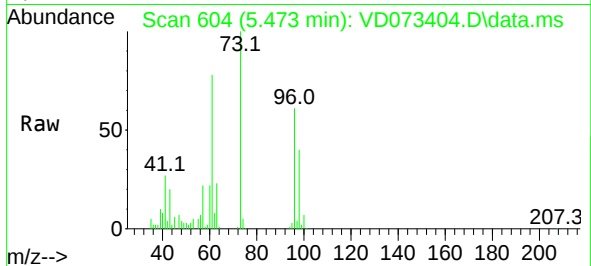




#21  
trans-1,2-Dichloroethene  
Concen: 20.505 ug/l  
RT: 5.473 min Scan# 603  
Delta R.T. 0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

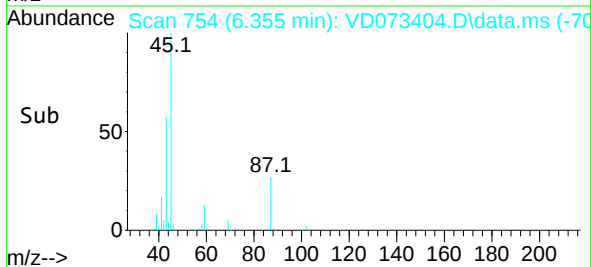
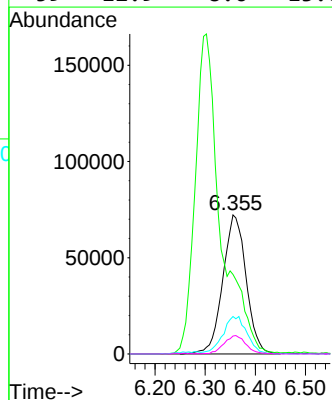
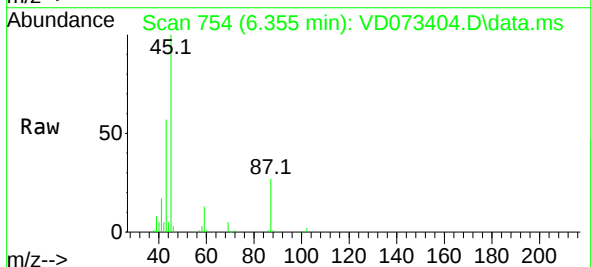
Instrument :  
MSVOA\_D  
ClientSampleId :

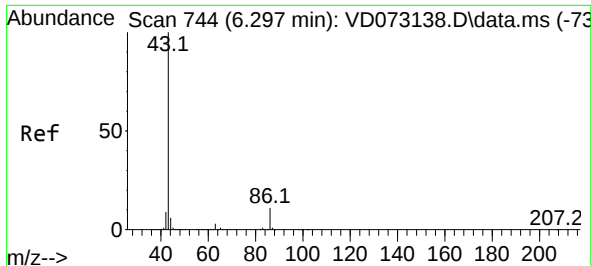
Tgt Ion: 96 Resp: 81134  
Ion Ratio Lower Upper  
96 100  
61 128.8 117.9 176.9  
98 66.2 49.4 74.2



#22  
Diisopropyl ether  
Concen: 21.082 ug/l  
RT: 6.355 min Scan# 754  
Delta R.T. -0.007 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 45 Resp: 233451  
Ion Ratio Lower Upper  
45 100  
43 56.4 46.6 70.0  
87 26.5 18.4 27.6  
59 12.9 8.6 13.0

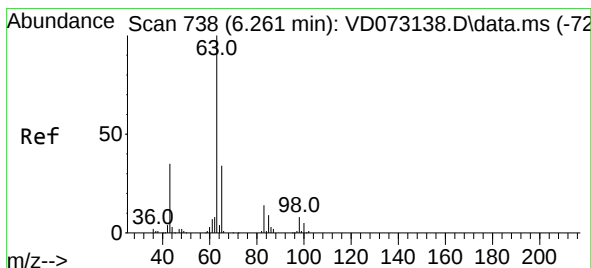
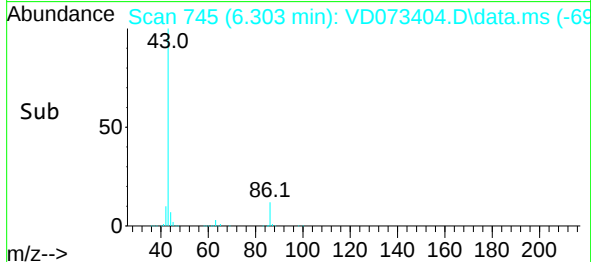
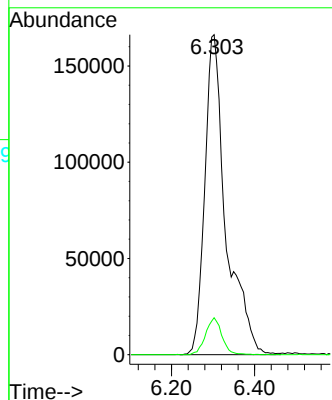
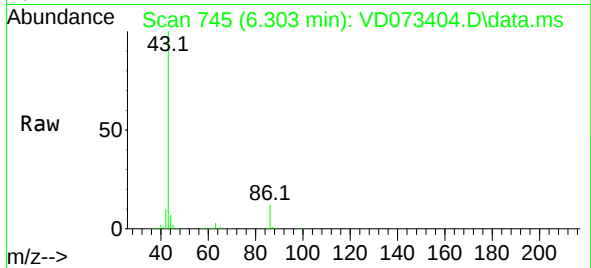




#23  
 Vinyl Acetate  
 Concen: 99.586 ug/l  
 RT: 6.303 min Scan# 744  
 Delta R.T. 0.006 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

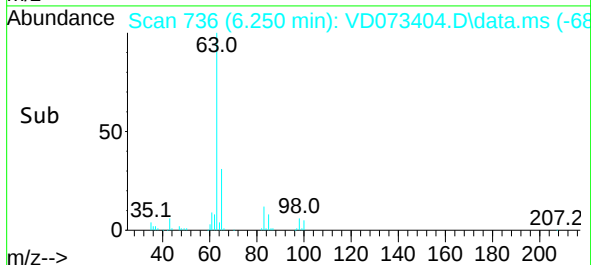
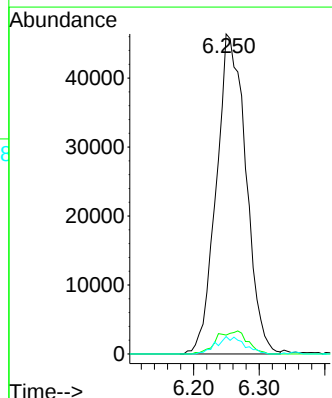
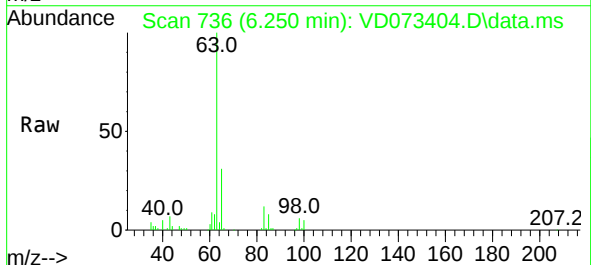
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 43 Resp: 588214  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 20.432 ug/l  
 RT: 6.250 min Scan# 736  
 Delta R.T. -0.011 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

Tgt Ion: 63 Resp: 145226  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.6 10.9  
 100 5.5 2.1 6.5

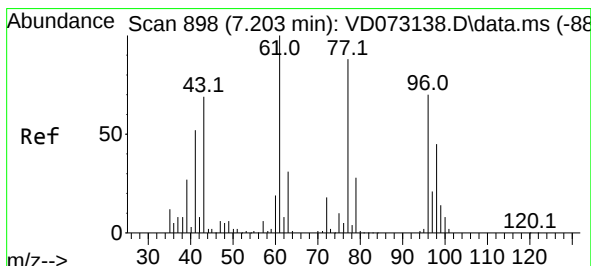
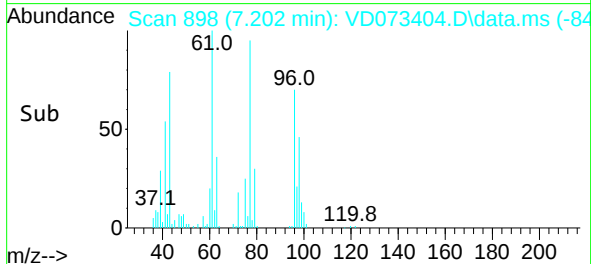
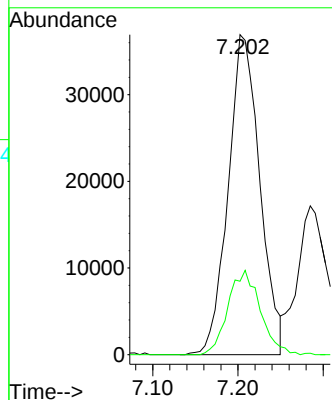
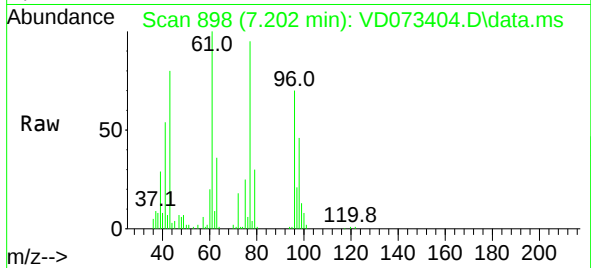




#25  
2-Butanone  
Concen: 104.529 ug/l  
RT: 7.202 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

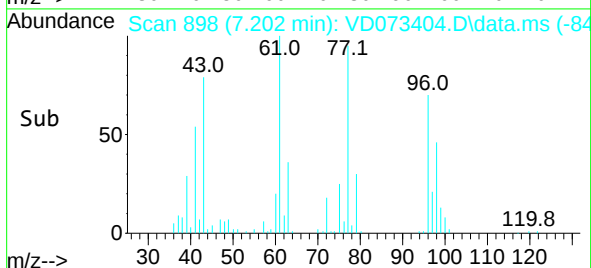
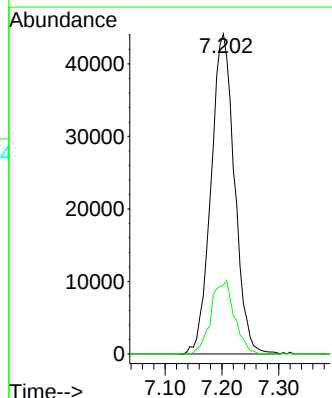
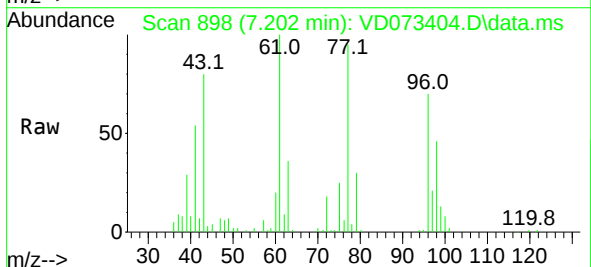
Instrument :  
MSVOA\_D  
ClientSampleId :

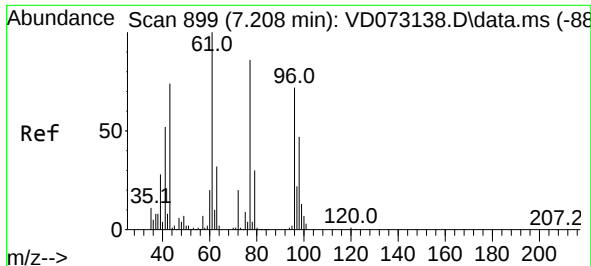
Tgt Ion: 43 Resp: 95327  
Ion Ratio Lower Upper  
43 100  
72 23.0 18.6 27.8



#26  
2,2-Dichloropropane  
Concen: 20.897 ug/l  
RT: 7.202 min Scan# 898  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 77 Resp: 126668  
Ion Ratio Lower Upper  
77 100  
97 22.8 10.8 32.4

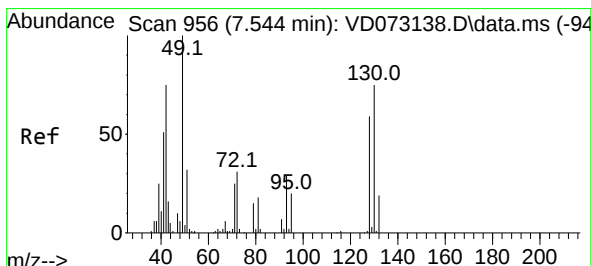
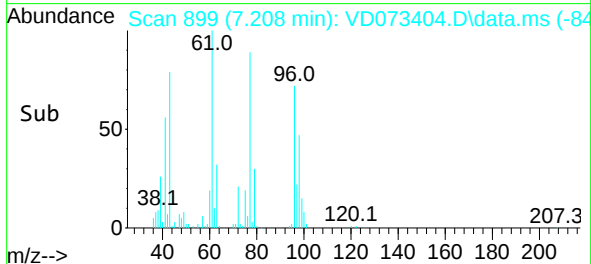
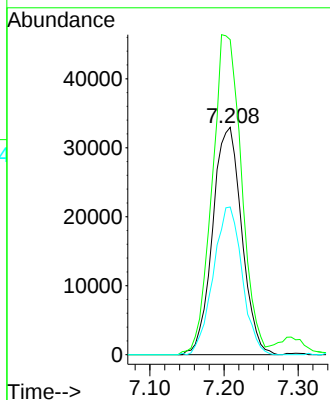
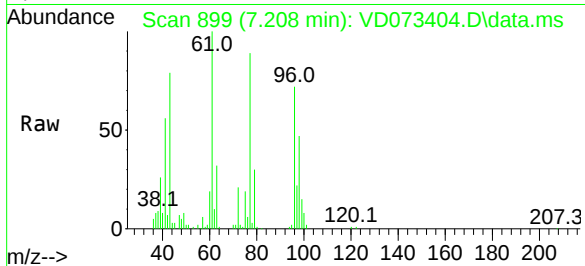




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.531 ug/l  
 RT: 7.208 min Scan# 899  
 Delta R.T. 0.000 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

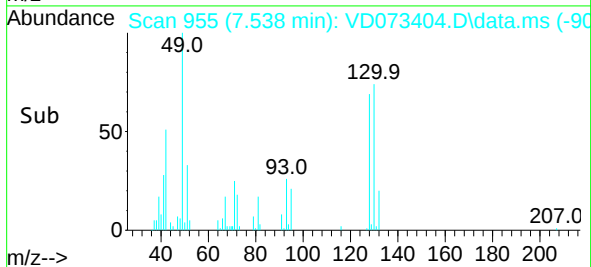
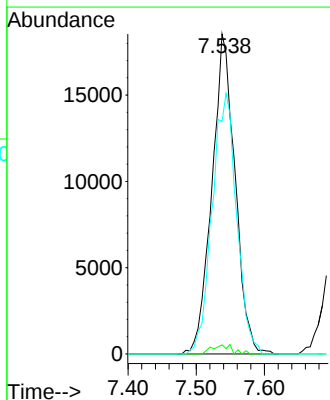
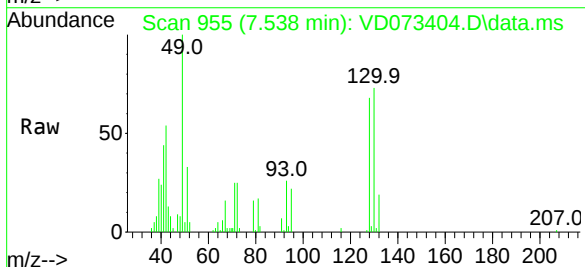
Instrument :  
 MSVOA\_D  
 ClientSampleId :

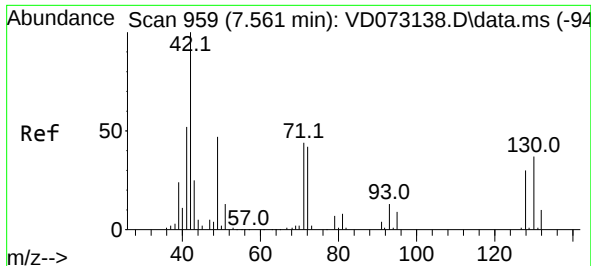
Tgt Ion: 96 Resp: 89890  
 Ion Ratio Lower Upper  
 96 100  
 61 142.3 0.0 313.8  
 98 64.4 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 17.873 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

Tgt Ion: 49 Resp: 43766  
 Ion Ratio Lower Upper  
 49 100  
 129 2.5 0.0 4.0  
 130 86.2 52.6 79.0#





#29

Tetrahydrofuran

Concen: 100.932 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

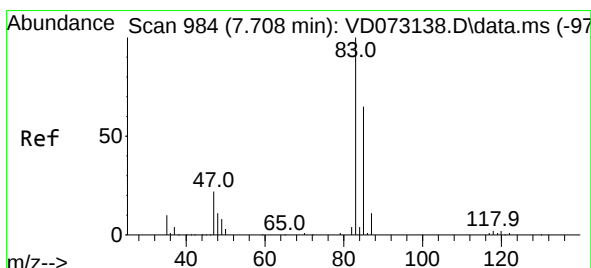
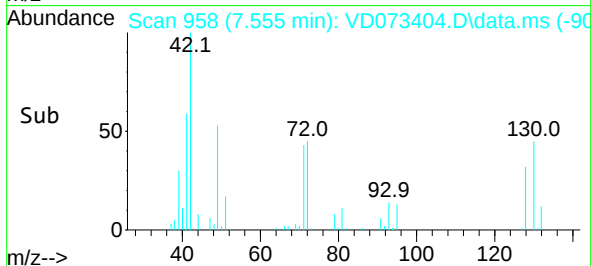
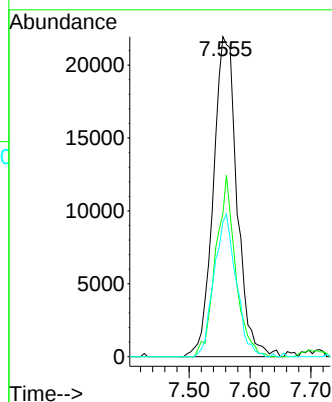
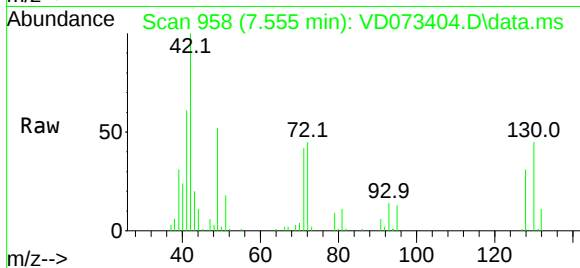
Tgt Ion: 42 Resp: 59519

Ion Ratio Lower Upper

42 100

72 47.1 30.7 46.1#

71 41.4 28.6 43.0



#30

Chloroform

Concen: 21.143 ug/l

RT: 7.702 min Scan# 983

Delta R.T. -0.006 min

Lab File: VD073404.D

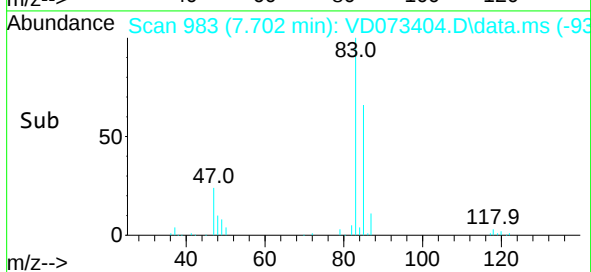
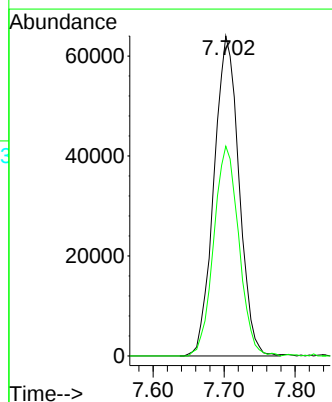
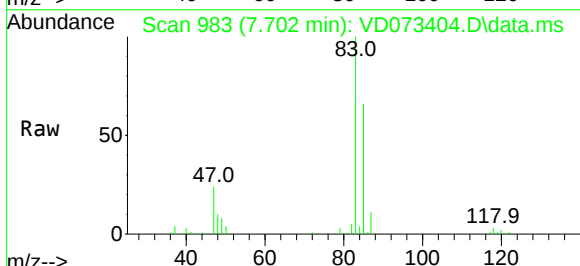
Acq: 27 May 2022 11:49

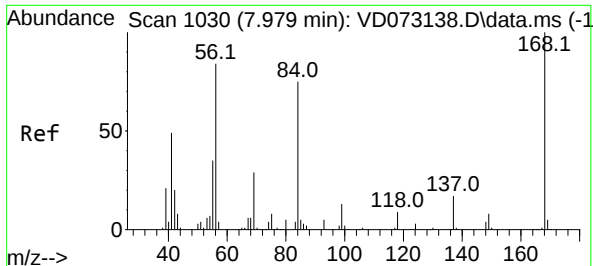
Tgt Ion: 83 Resp: 156892

Ion Ratio Lower Upper

83 100

85 65.6 52.7 79.1





#31

Cyclohexane

Concen: 20.564 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

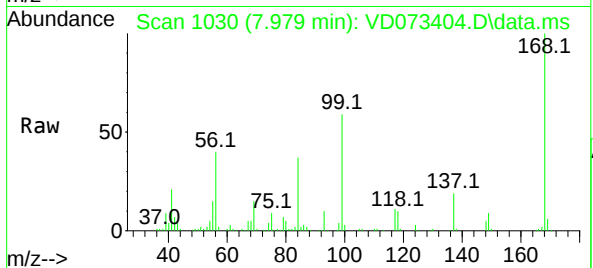
Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :



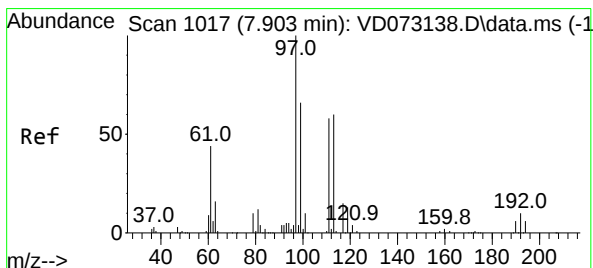
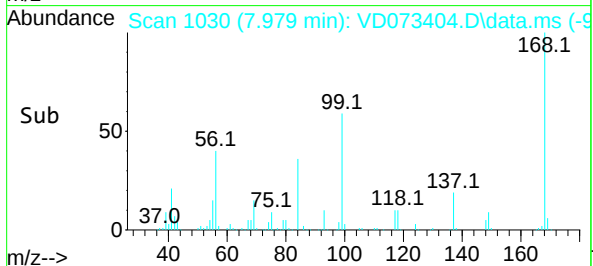
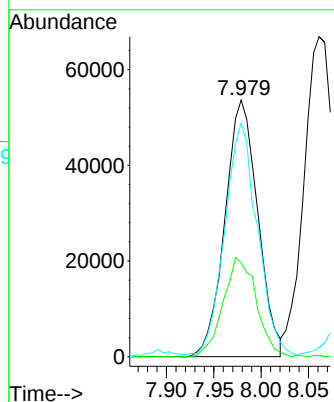
Tgt Ion: 56 Resp: 129324

Ion Ratio Lower Upper

56 100

69 36.7 25.4 38.2

84 90.0 63.0 94.4



#32

1,1,1-Trichloroethane

Concen: 21.416 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

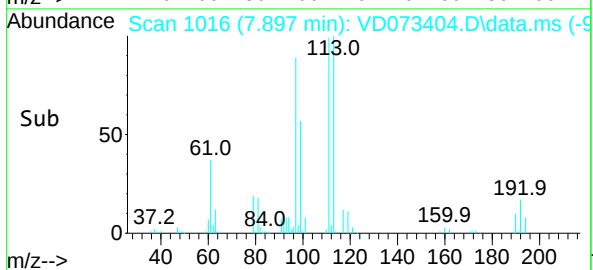
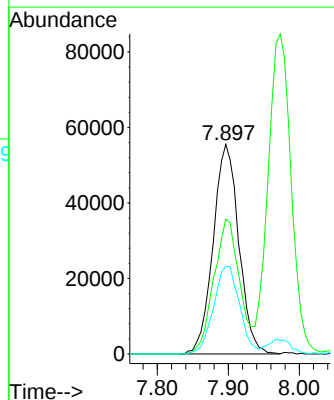
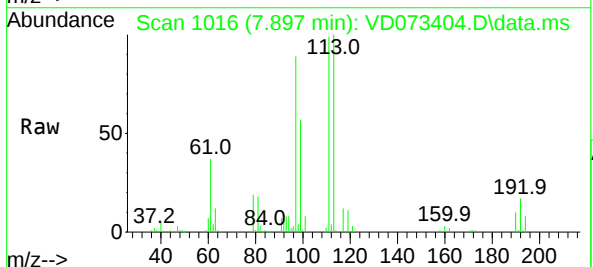
Tgt Ion: 97 Resp: 138994

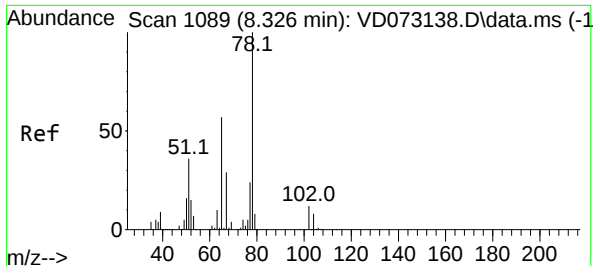
Ion Ratio Lower Upper

97 100

99 63.9 52.4 78.6

61 42.5 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 49.082 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

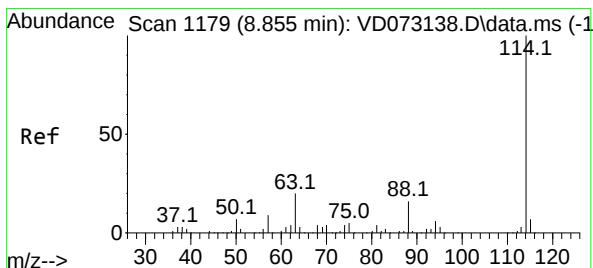
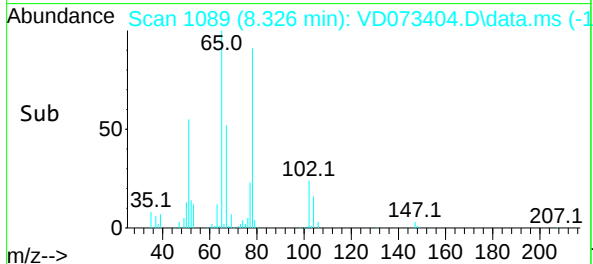
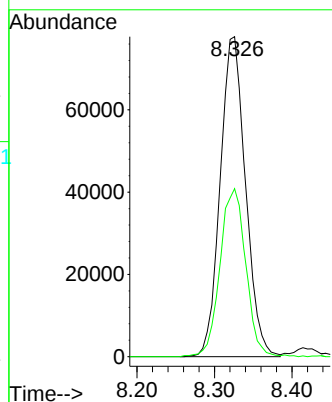
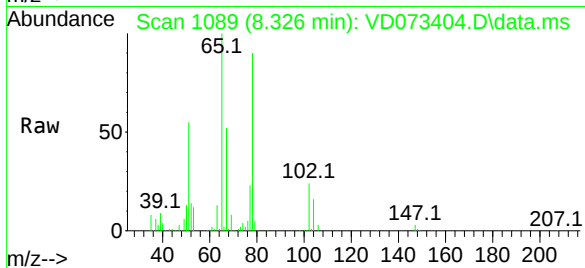
ClientSampleId :

Tgt Ion: 65 Resp: 176632

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

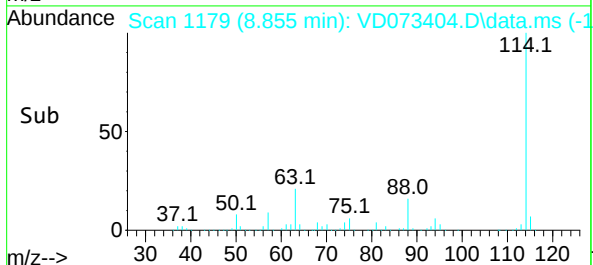
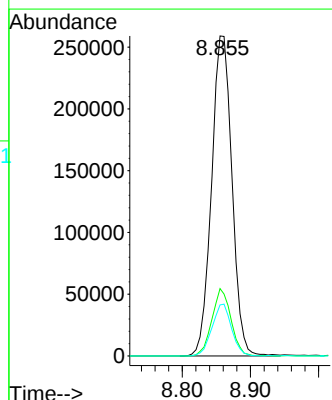
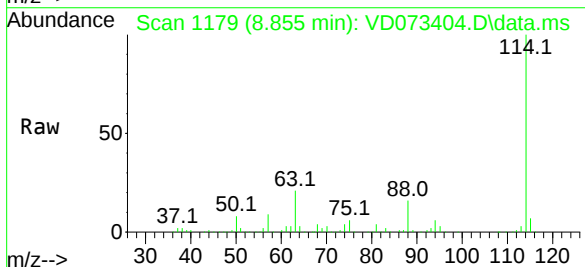
Tgt Ion: 114 Resp: 540882

Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.326 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

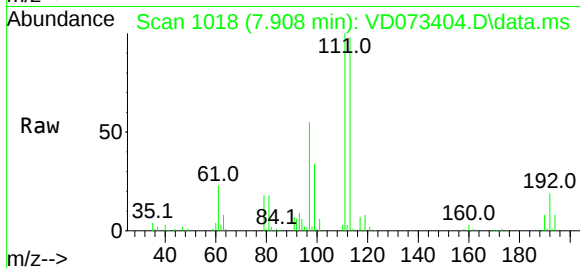
Lab File: VD073404.D

Acq: 27 May 2022 11:49

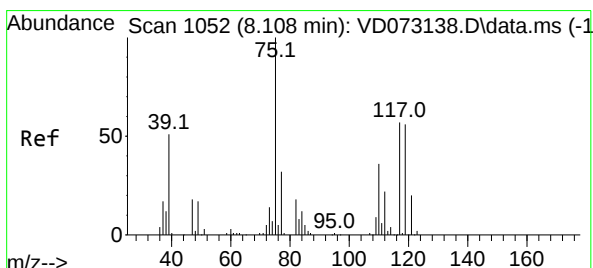
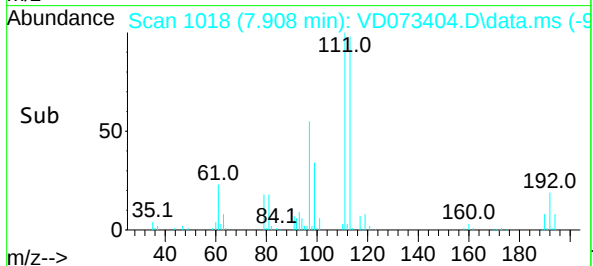
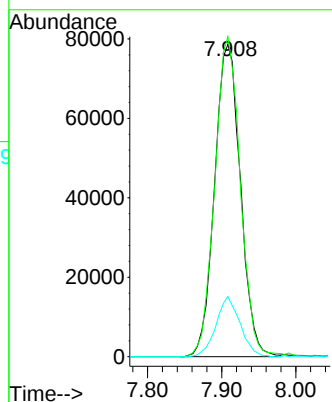
Instrument :

MSVOA\_D

ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 190327 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.6 | 83.8  | 125.6  |
| 192       | 18.0  | 14.6  | 21.8   |



#36

1,1-Dichloropropene

Concen: 21.017 ug/l

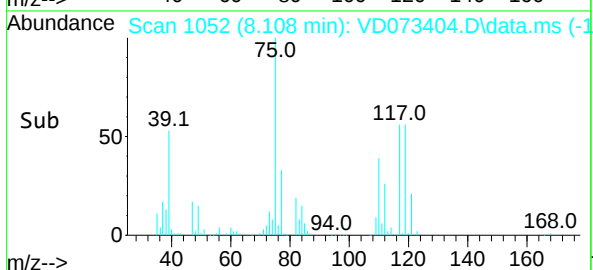
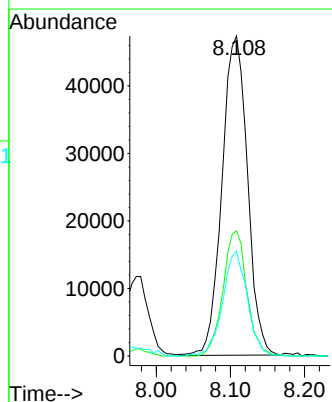
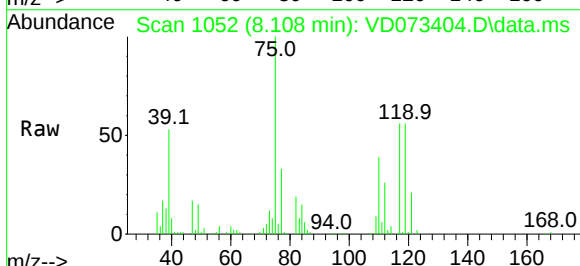
RT: 8.108 min Scan# 1052

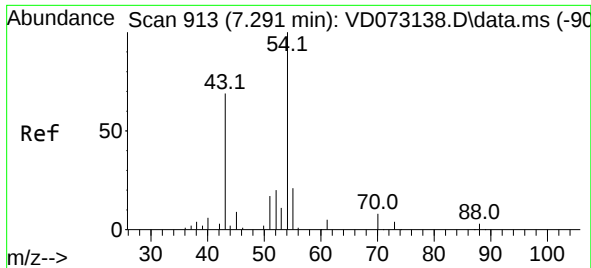
Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 112817 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.7  | 16.4  | 49.1   |
| 77        | 31.9  | 24.2  | 36.2   |

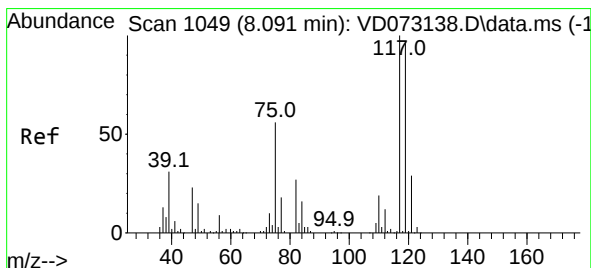
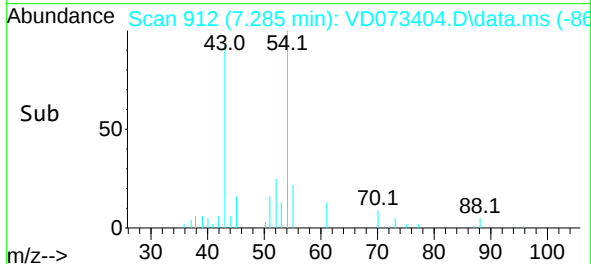
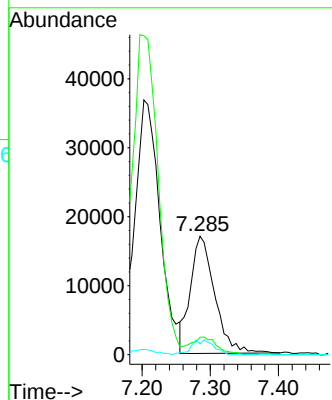
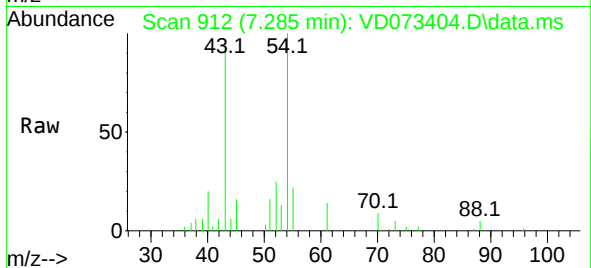




#37  
Ethyl Acetate  
Concen: 19.837 ug/l  
RT: 7.285 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

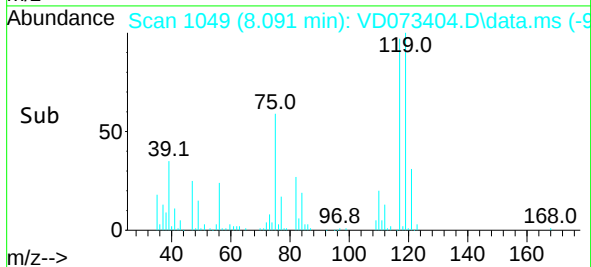
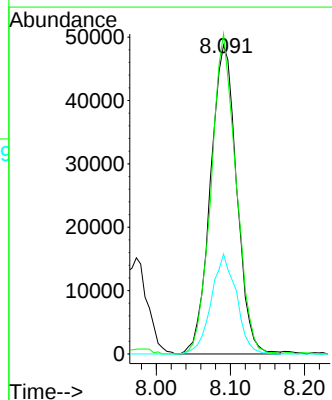
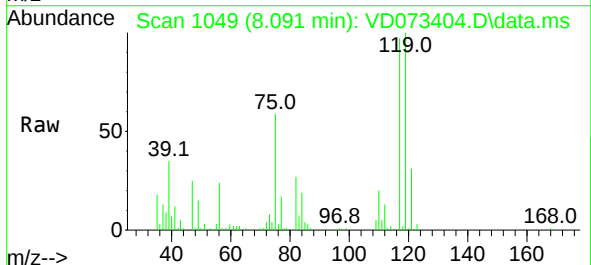
Instrument :  
MSVOA\_D  
ClientSampleId :

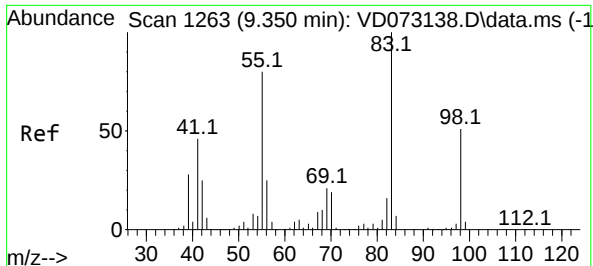
Tgt Ion: 43 Resp: 42059  
Ion Ratio Lower Upper  
43 100  
61 15.7 9.8 14.8#  
70 11.6 6.9 10.3#



#38  
Carbon Tetrachloride  
Concen: 22.063 ug/l  
RT: 8.091 min Scan# 1049  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 117 Resp: 120049  
Ion Ratio Lower Upper  
117 100  
119 103.6 75.8 113.6  
121 32.3 24.5 36.7





#39

Methylcyclohexane

Concen: 20.772 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

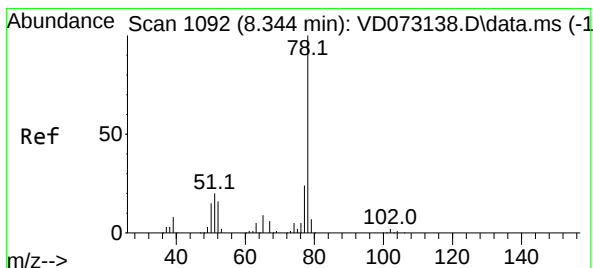
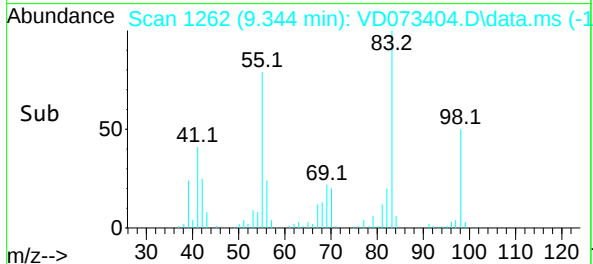
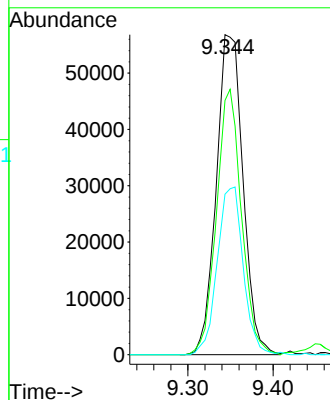
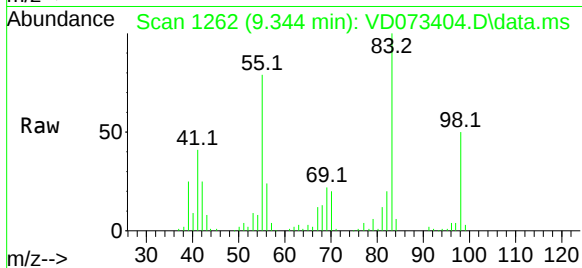
Tgt Ion: 83 Resp: 124262

Ion Ratio Lower Upper

83 100

55 79.5 63.2 94.8

98 50.2 38.2 57.4



#40

Benzene

Concen: 21.309 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073404.D

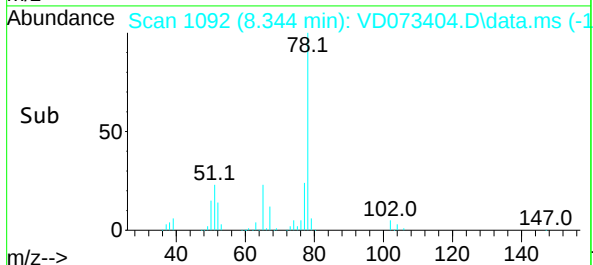
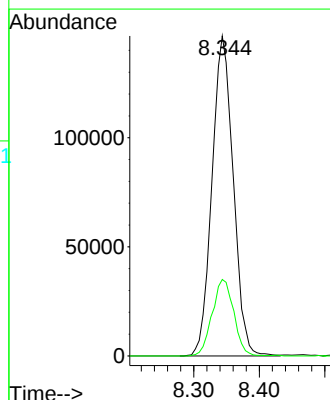
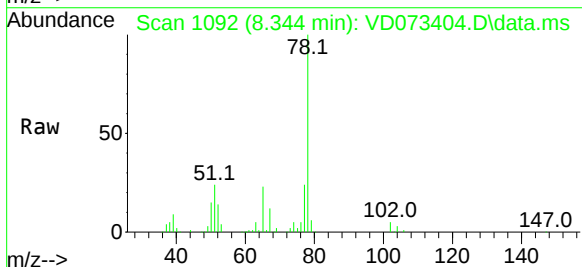
Acq: 27 May 2022 11:49

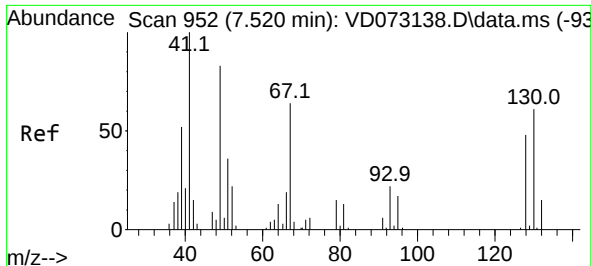
Tgt Ion: 78 Resp: 329654

Ion Ratio Lower Upper

78 100

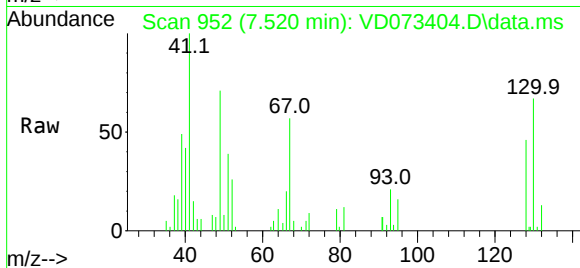
77 23.9 19.1 28.7



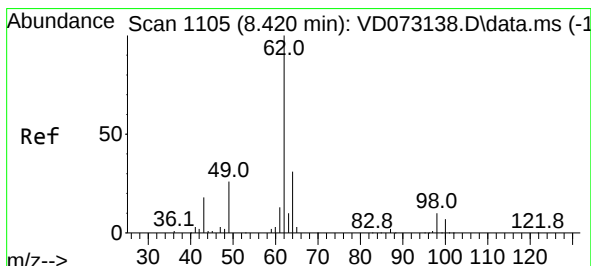
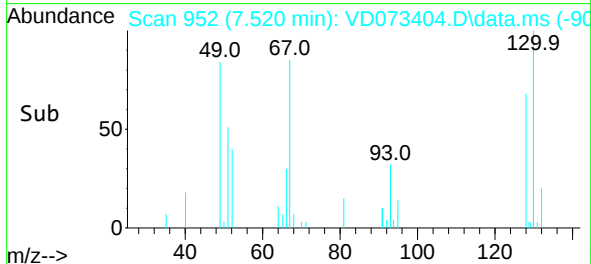
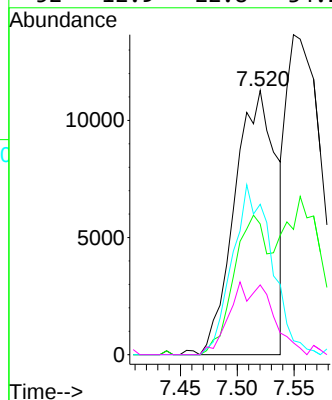


#41  
Methacrylonitrile  
Concen: 23.159 ug/l  
RT: 7.520 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

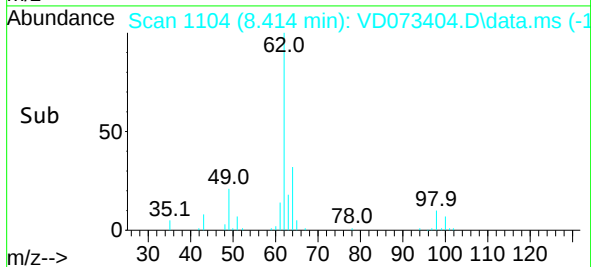
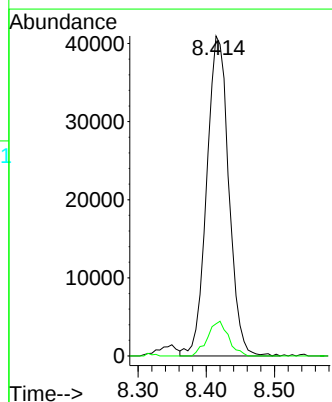
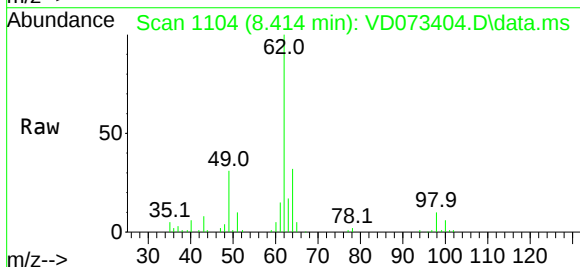


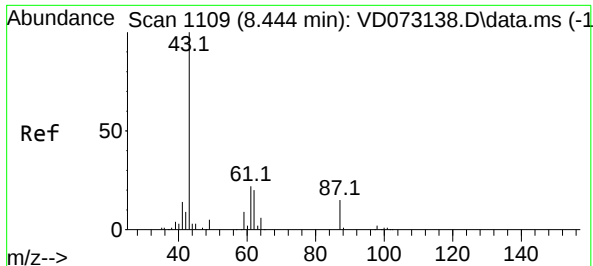
Tgt Ion: 41 Resp: 28609  
Ion Ratio Lower Upper  
41 100  
39 40.7 44.6 67.0#  
67 61.2 48.2 72.4  
52 12.9 22.8 34.2#



#42  
1,2-Dichloroethane  
Concen: 21.419 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 62 Resp: 92199  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 17.6





#43

Isopropyl Acetate

Concen: 20.898 ug/l

RT: 8.444 min Scan# 1109

Delta R.T. -0.000 min

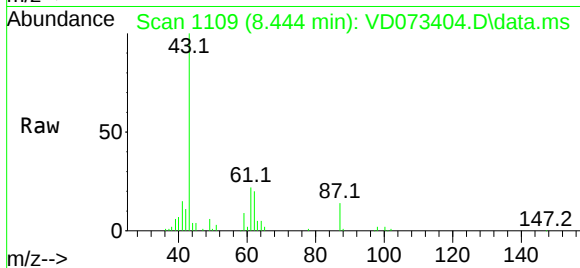
Lab File: VD073404.D

Acq: 27 May 2022 11:49

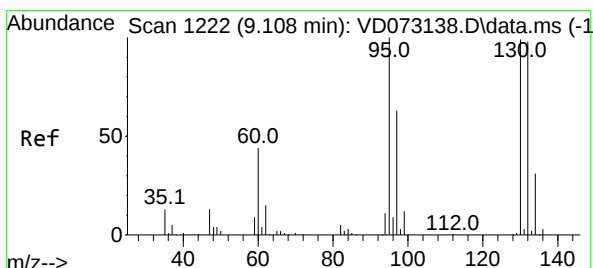
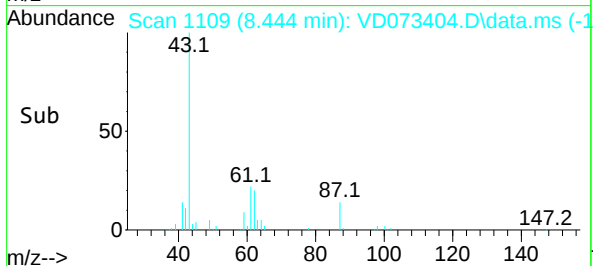
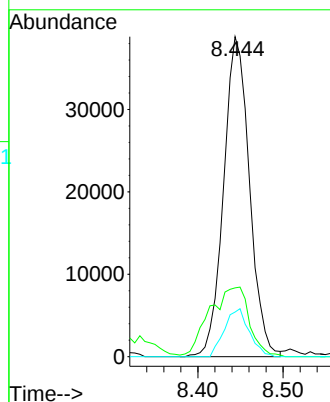
Instrument :

MSVOA\_D

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 81902    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 33.6 22.4 33.6 |
| 87          | 14.4 8.7 13.1  |



#44

Trichloroethene

Concen: 22.151 ug/l

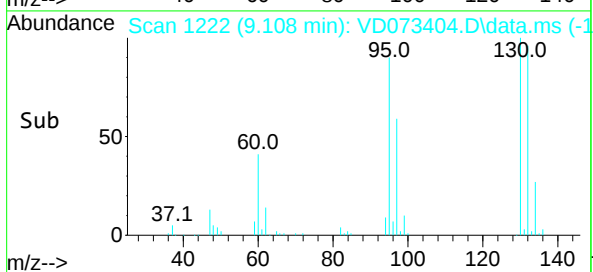
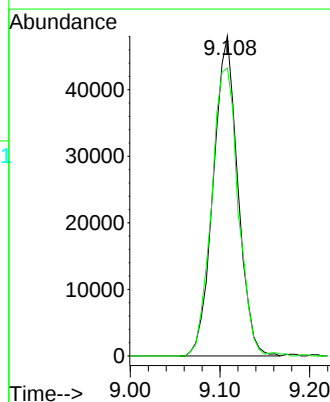
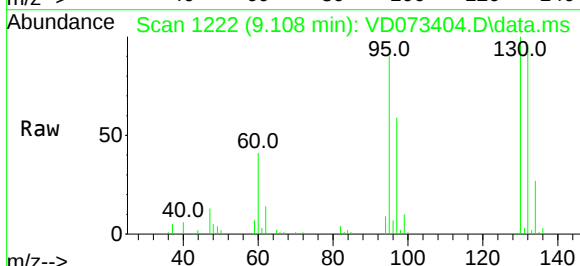
RT: 9.108 min Scan# 1222

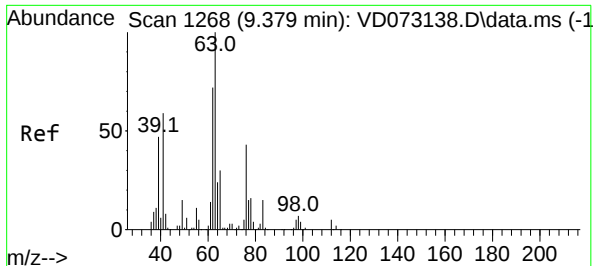
Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

|              |                |
|--------------|----------------|
| Tgt Ion: 130 | Resp: 91380    |
| Ion Ratio    | Lower Upper    |
| 130          | 100            |
| 95           | 90.0 0.0 205.4 |





#45

1,2-Dichloropropane

Concen: 21.883 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

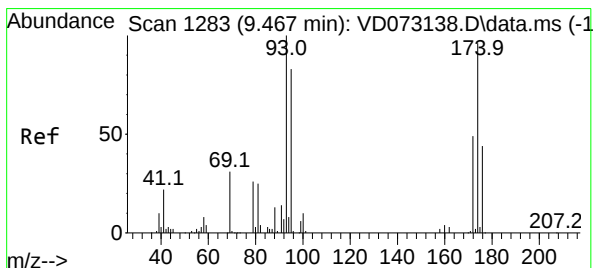
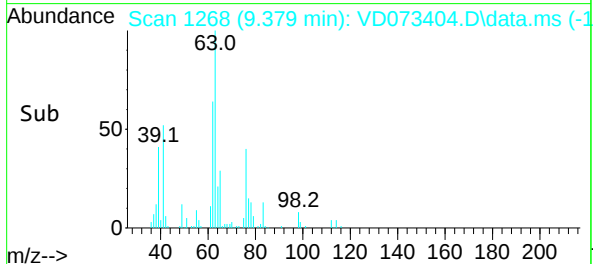
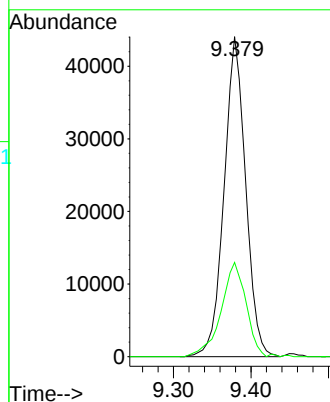
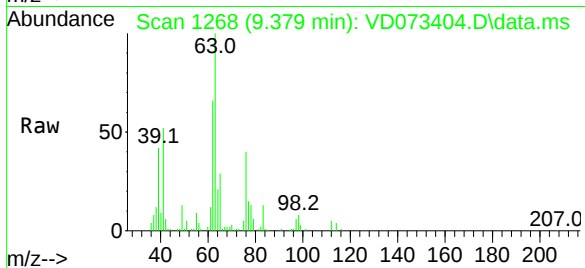
ClientSampleId :

Tgt Ion: 63 Resp: 85258

Ion Ratio Lower Upper

63 100

65 29.5 26.2 39.4



#46

Dibromomethane

Concen: 21.371 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

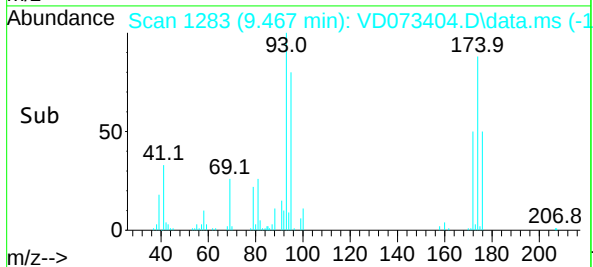
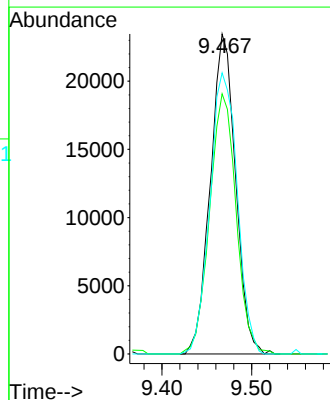
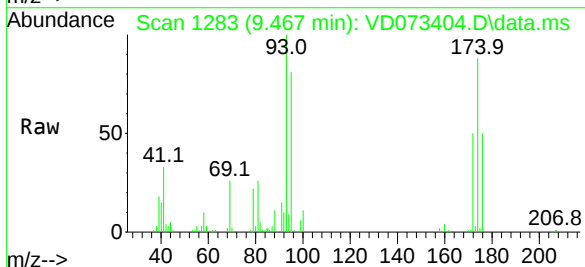
Tgt Ion: 93 Resp: 45729

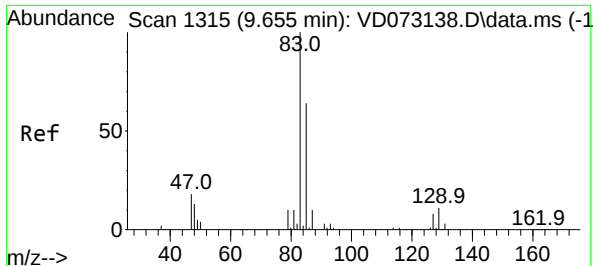
Ion Ratio Lower Upper

93 100

95 85.4 66.7 100.1

174 95.3 71.6 107.4

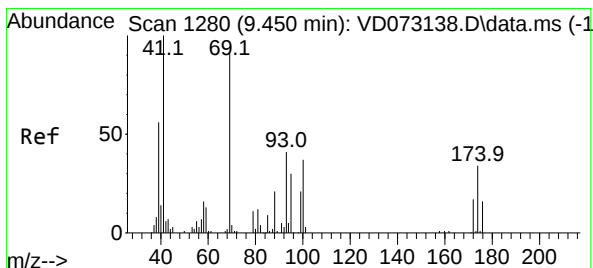
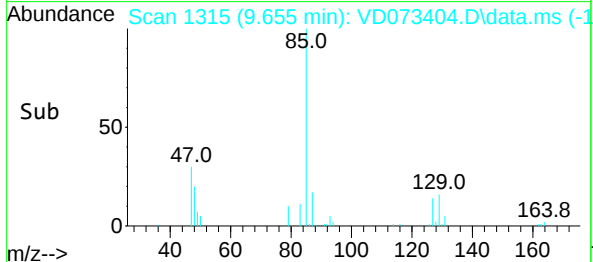
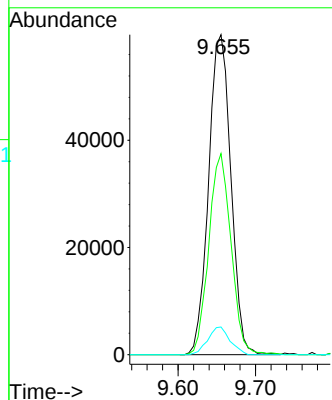
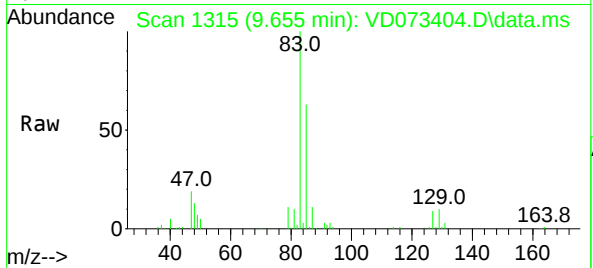




#47  
Bromodichloromethane  
Concen: 21.855 ug/l  
RT: 9.655 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

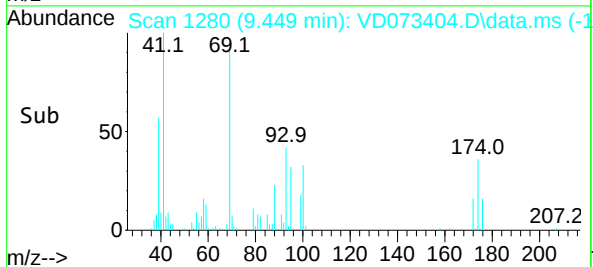
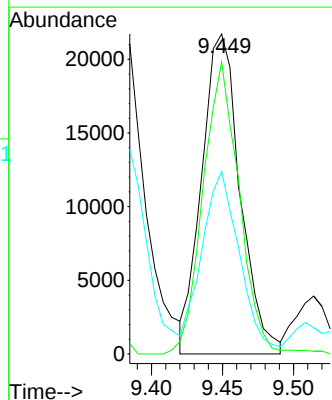
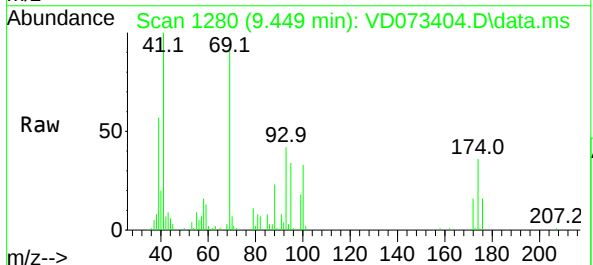
Instrument :  
MSVOA\_D  
ClientSampleId :

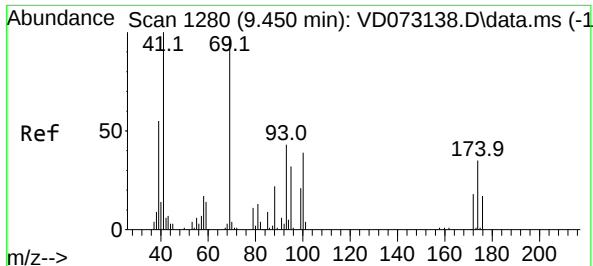
Tgt Ion: 83 Resp: 119658  
Ion Ratio Lower Upper  
83 100  
85 62.8 51.4 77.0  
127 8.7 6.1 9.1



#48  
Methyl methacrylate  
Concen: 20.753 ug/l  
RT: 9.449 min Scan# 1280  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 41 Resp: 40919  
Ion Ratio Lower Upper  
41 100  
69 86.5 56.7 85.1#  
39 56.5 42.7 64.1

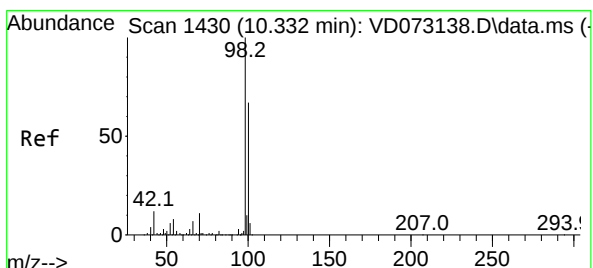
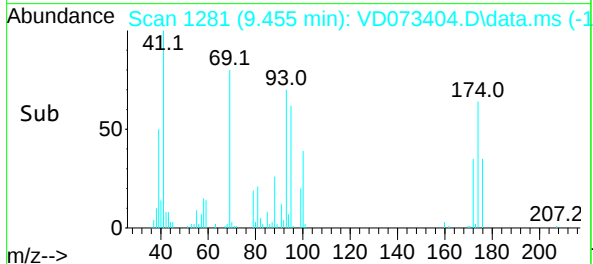
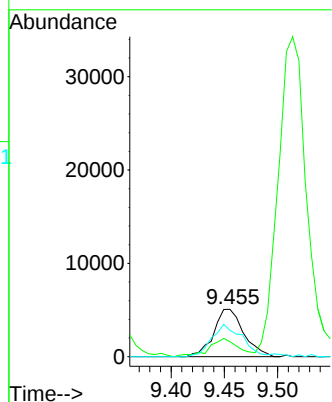
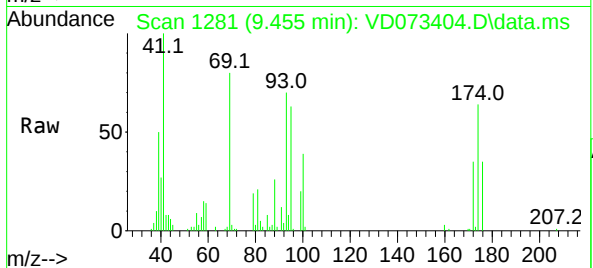




#49  
1,4-Dioxane  
Concen: 449.060 ug/l  
RT: 9.455 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

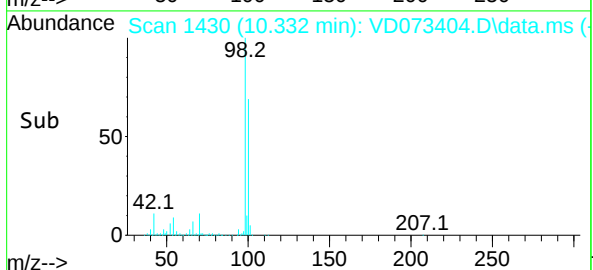
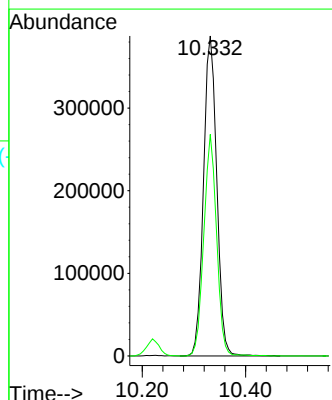
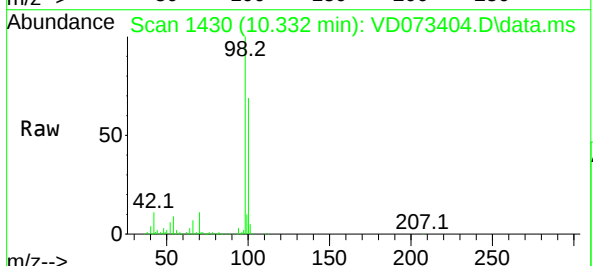
Instrument :  
MSVOA\_D  
ClientSampleId :

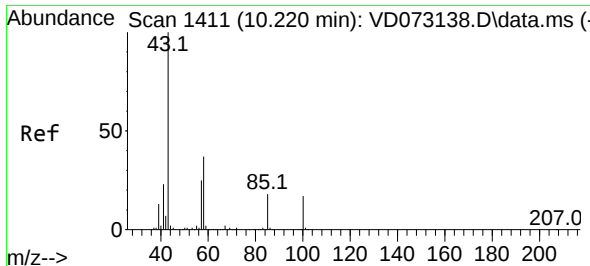
Tgt Ion: 88 Resp: 9923  
Ion Ratio Lower Upper  
88 100  
43 37.9 31.0 46.4  
58 69.0 58.1 87.1



#50  
Toluene-d8  
Concen: 52.476 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 98 Resp: 690402  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.4 78.6

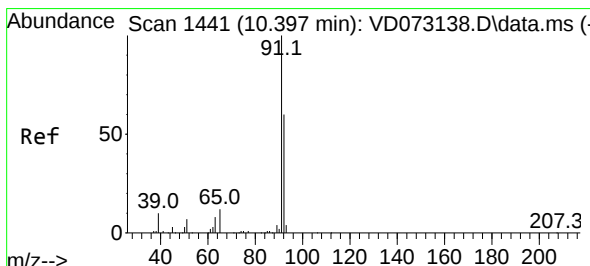
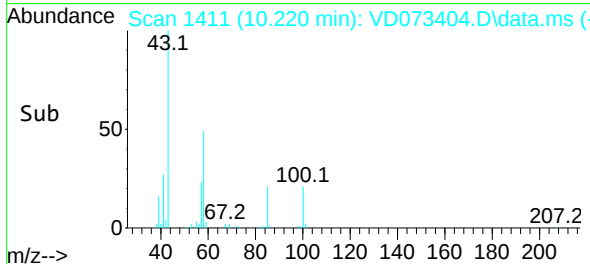
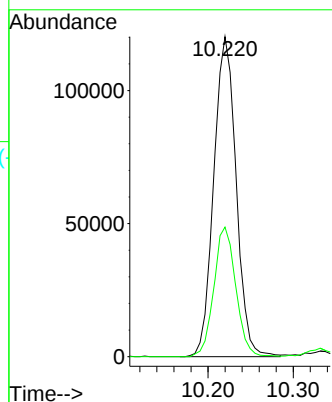
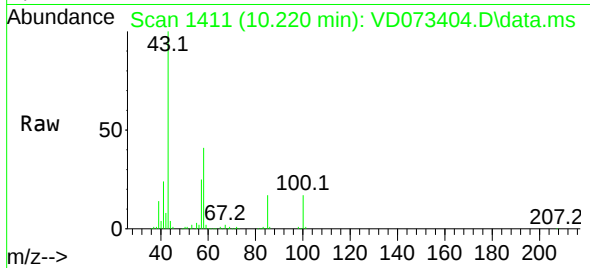




#51  
4-Methyl-2-Pentanone  
Concen: 107.715 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

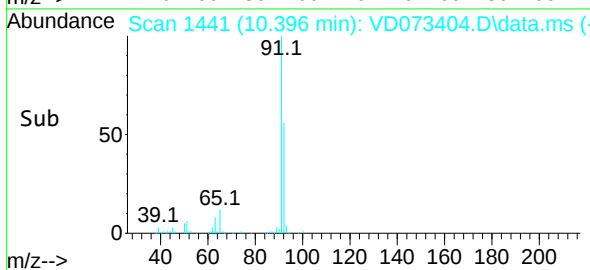
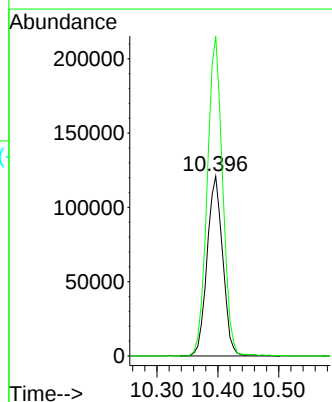
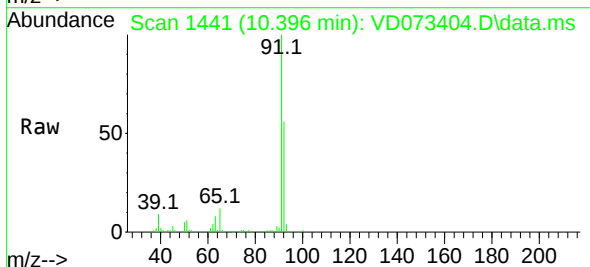
Instrument :  
MSVOA\_D  
ClientSampleId :

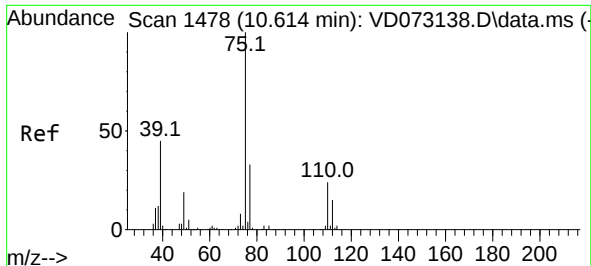
Tgt Ion: 43 Resp: 219251  
Ion Ratio Lower Upper  
43 100  
58 39.7 28.6 43.0



#52  
Toluene  
Concen: 22.086 ug/l  
RT: 10.396 min Scan# 1441  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

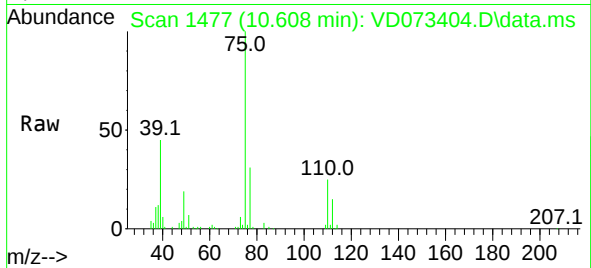
Tgt Ion: 92 Resp: 215913  
Ion Ratio Lower Upper  
92 100  
91 175.0 139.6 209.4



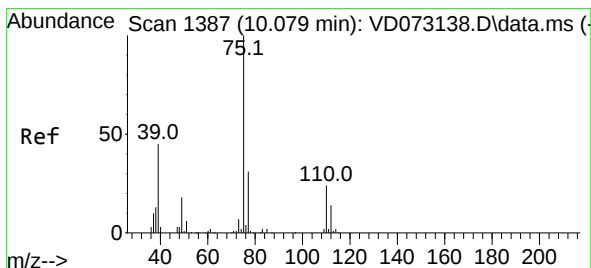
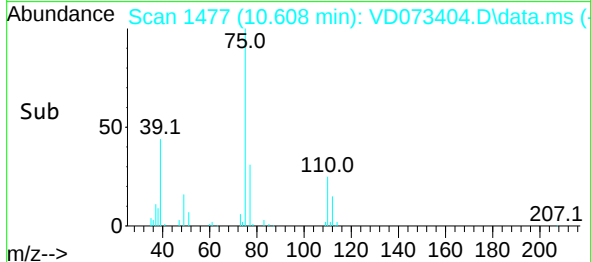
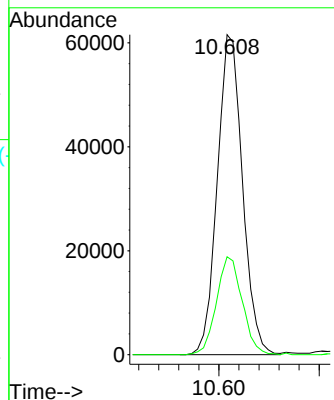


#53  
 t-1,3-Dichloropropene  
 Concen: 21.696 ug/l  
 RT: 10.608 min Scan# 1478  
 Delta R.T. -0.006 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :

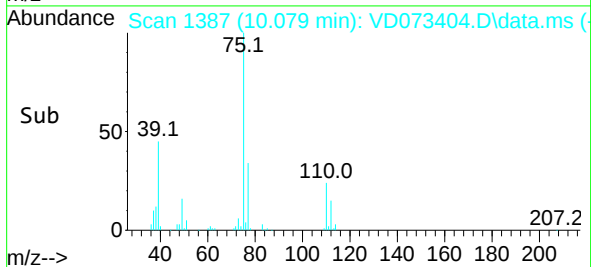
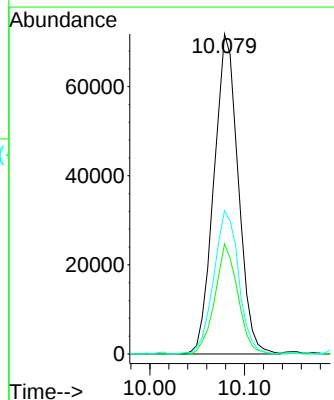
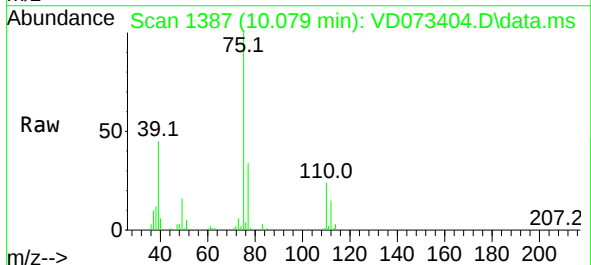


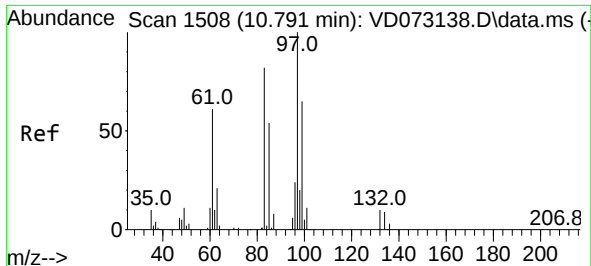
Tgt Ion: 75 Resp: 107315  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 24.5 36.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.634 ug/l  
 RT: 10.079 min Scan# 1387  
 Delta R.T. -0.000 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

Tgt Ion: 75 Resp: 128055  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 24.8 37.2  
 39 44.5 46.8 70.2#

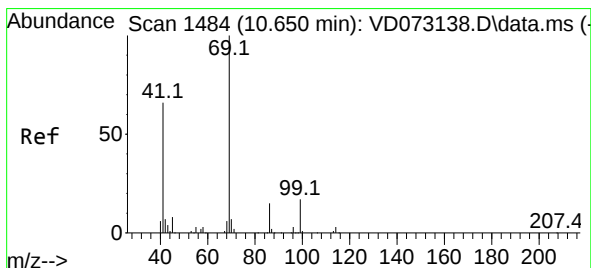
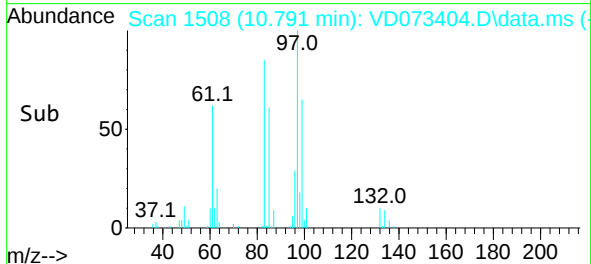
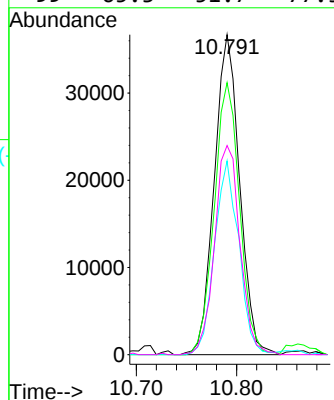
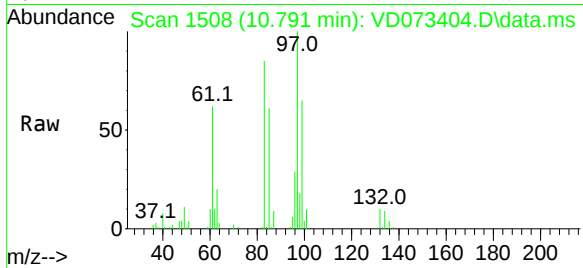




#55  
1,1,2-Trichloroethane  
Concen: 22.273 ug/l  
RT: 10.791 min Scan# 1508  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

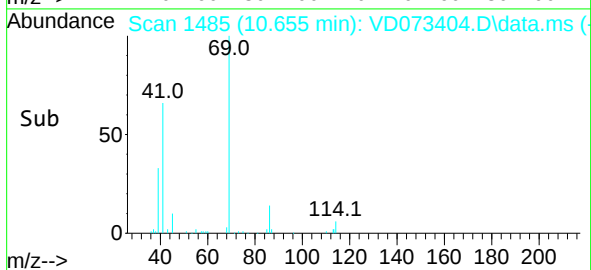
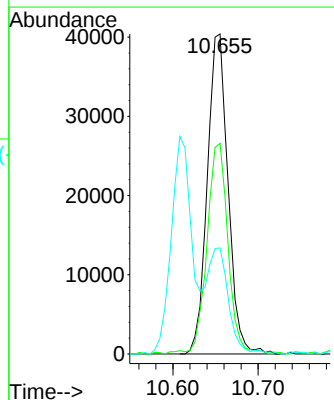
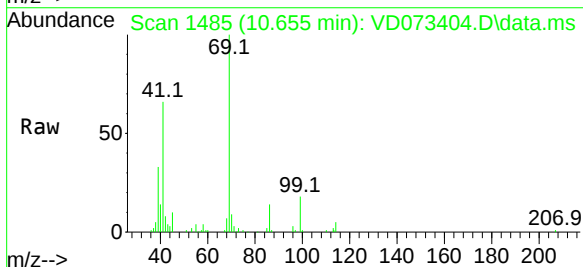
Instrument :  
MSVOA\_D  
ClientSampleId :

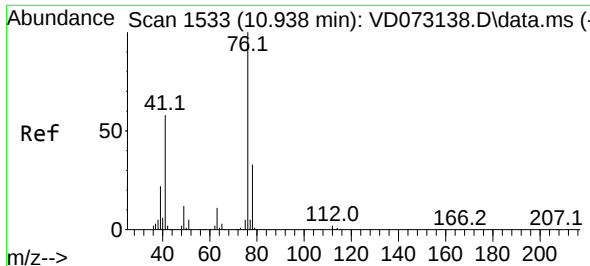
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 64448 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.0  | 69.0  | 103.4 |
| 85       | 60.6  | 42.6  | 63.8  |
| 99       | 65.3  | 51.7  | 77.5  |



#56  
Ethyl methacrylate  
Concen: 21.244 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. 0.005 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 68344 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.1  | 63.0  | 94.6  |
| 39       | 35.1  | 33.8  | 50.8  |





#57

1,3-Dichloropropane

Concen: 22.171 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

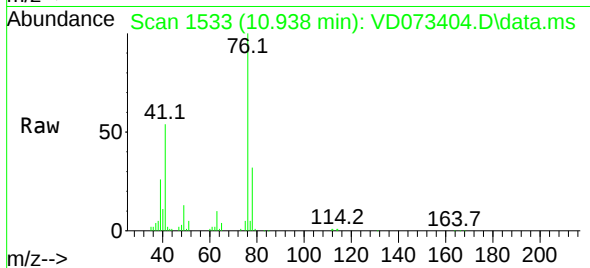
Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

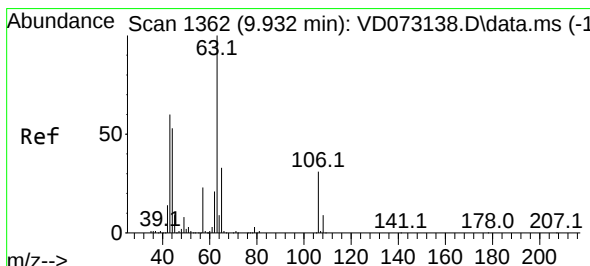
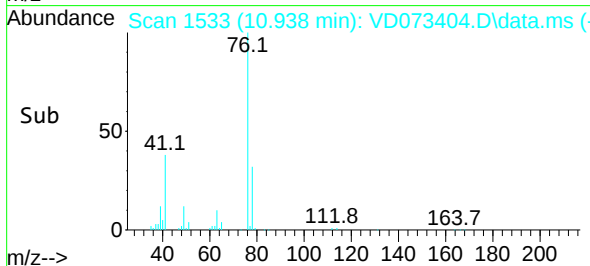
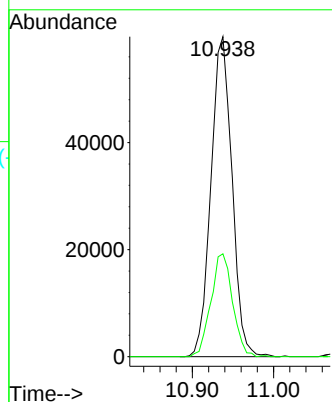


Tgt Ion: 76 Resp: 107641

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 101.541 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD073404.D

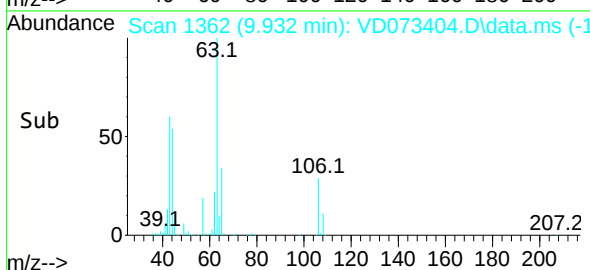
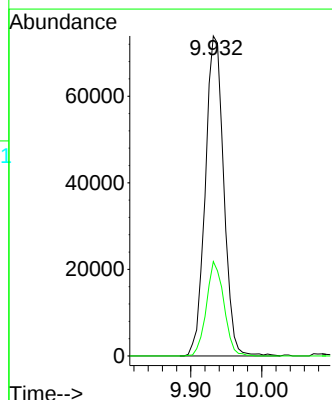
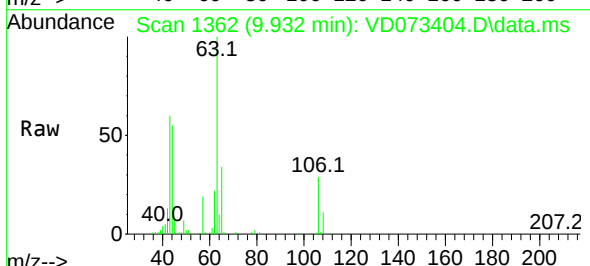
Acq: 27 May 2022 11:49

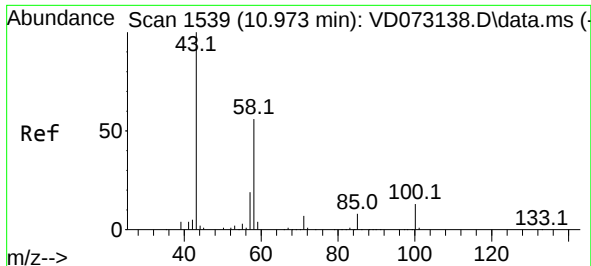
Tgt Ion: 63 Resp: 133720

Ion Ratio Lower Upper

63 100

106 27.9 21.4 32.0

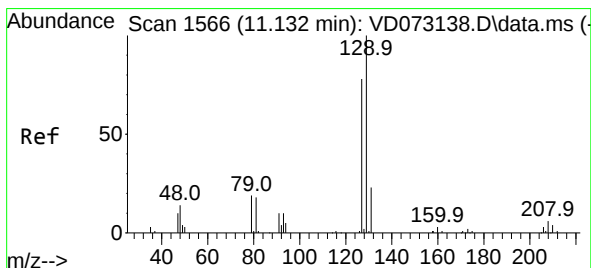
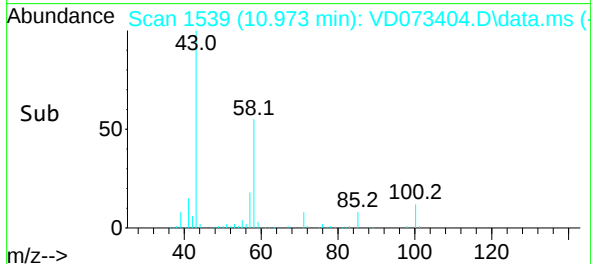
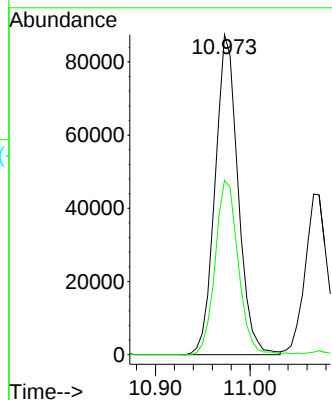
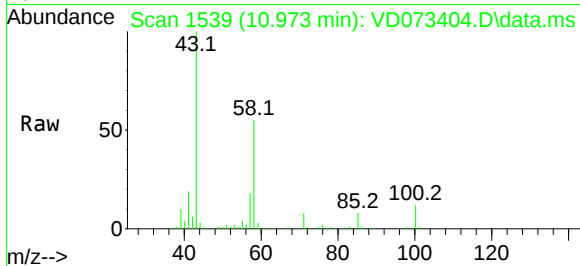




#59  
2-Hexanone  
Concen: 109.646 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

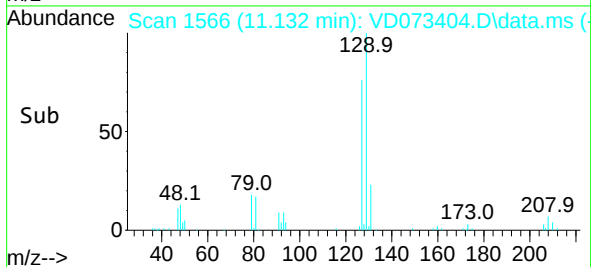
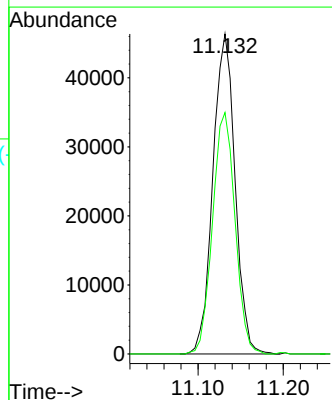
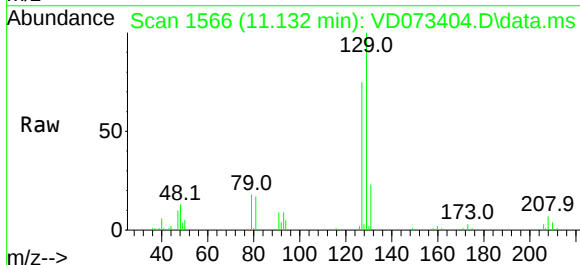
Instrument :  
MSVOA\_D  
ClientSampleId :

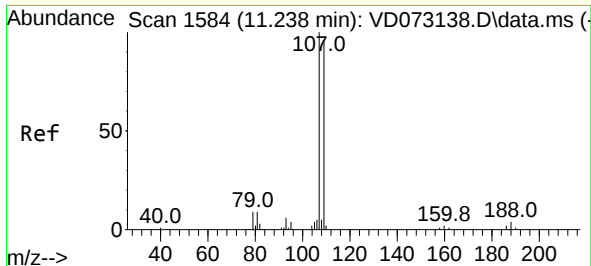
Tgt Ion: 43 Resp: 147141  
Ion Ratio Lower Upper  
43 100  
58 54.8 25.3 75.9



#60  
Dibromochloromethane  
Concen: 23.189 ug/l  
RT: 11.132 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 129 Resp: 83667  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.2 117.6

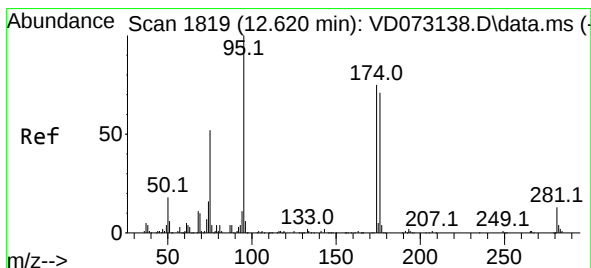
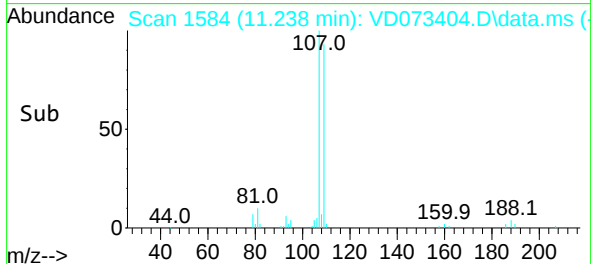
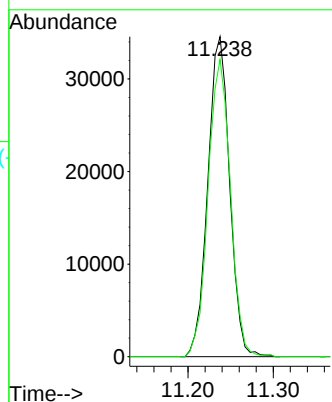
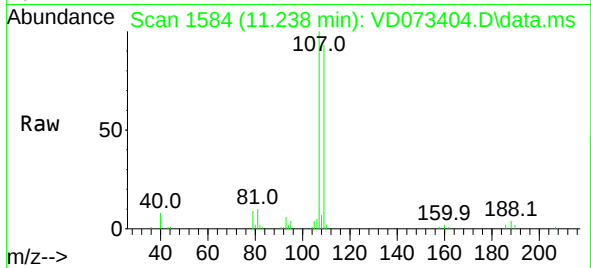




#61  
1,2-Dibromoethane  
Concen: 22.270 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

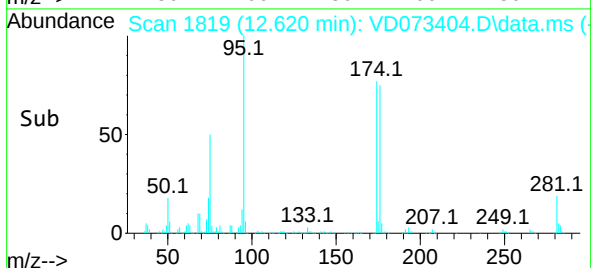
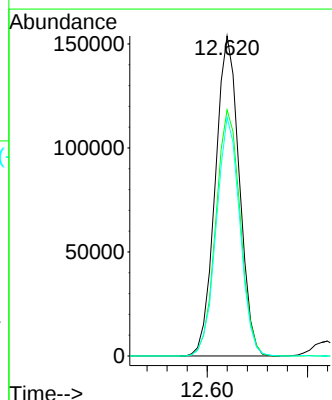
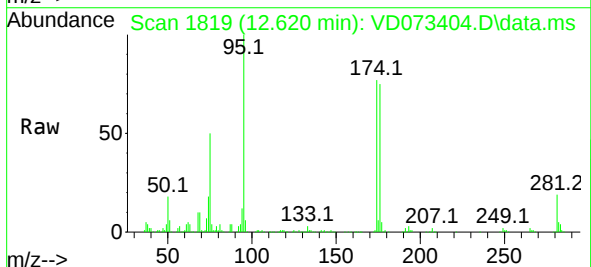
Instrument :  
MSVOA\_D  
ClientSampleId :

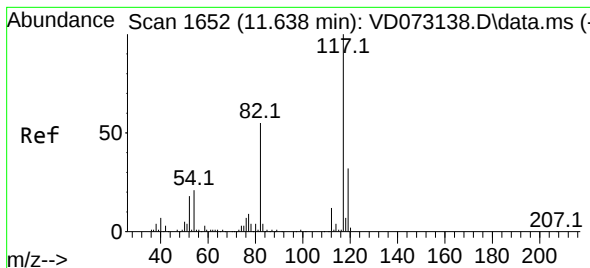
Tgt Ion:107 Resp: 61576  
Ion Ratio Lower Upper  
107 100  
109 95.0 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 55.285 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

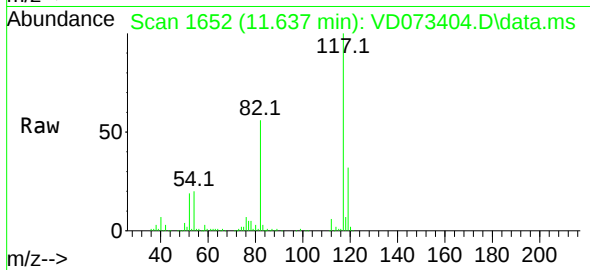
Tgt Ion: 95 Resp: 255263  
Ion Ratio Lower Upper  
95 100  
174 77.9 0.0 152.8  
176 73.3 0.0 145.4



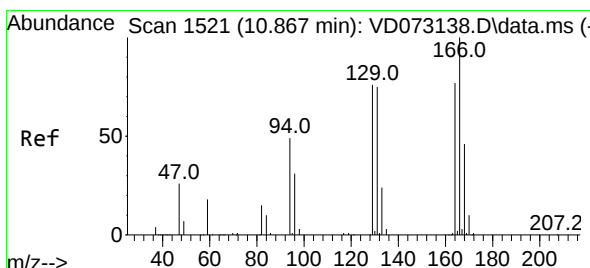
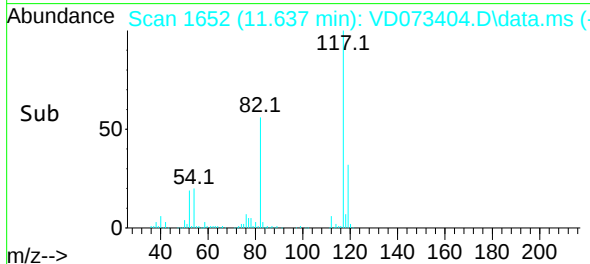
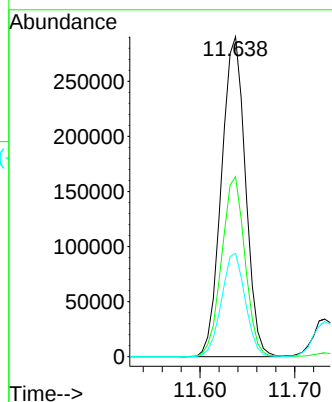


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

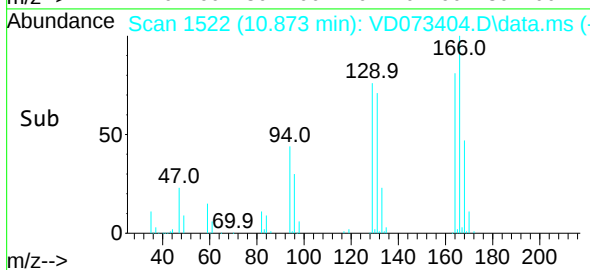
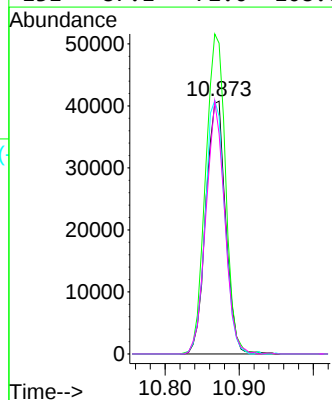
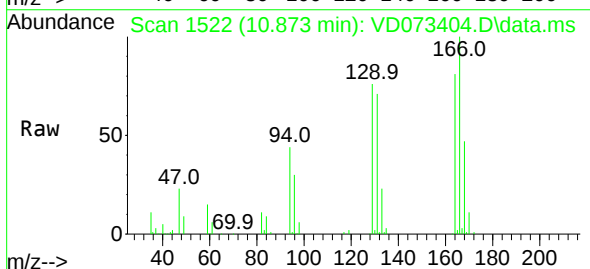


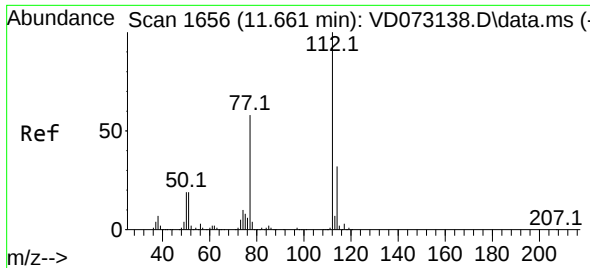
Tgt Ion:117 Resp: 512043  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.3 67.9  
119 32.3 26.6 40.0



#64  
Tetrachloroethene  
Concen: 22.562 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. 0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

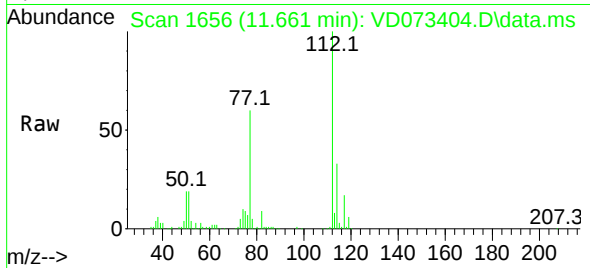
Tgt Ion:164 Resp: 75669  
Ion Ratio Lower Upper  
164 100  
166 122.9 98.5 147.7  
129 94.0 74.6 111.8  
131 87.1 72.0 108.0



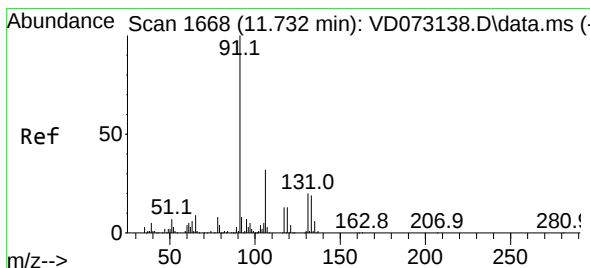
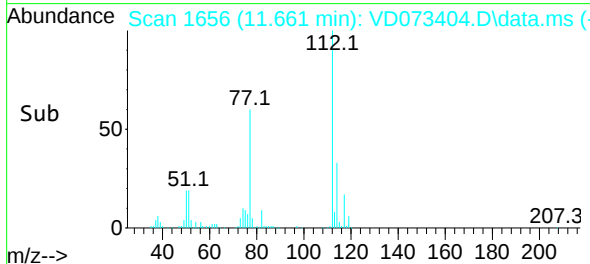
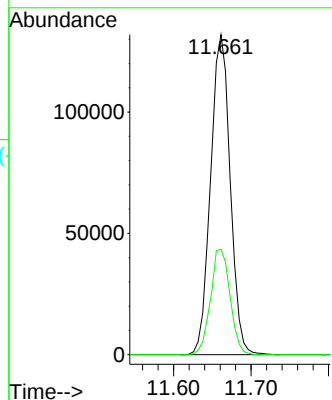


#65  
Chlorobenzene  
Concen: 22.054 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :

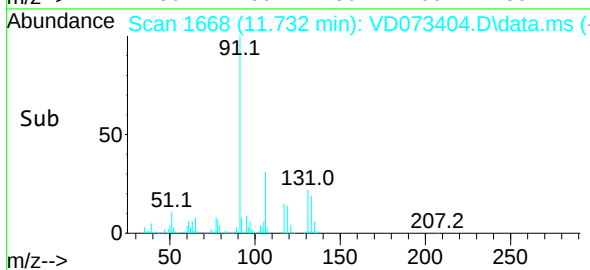
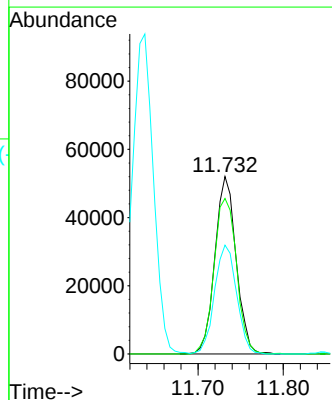
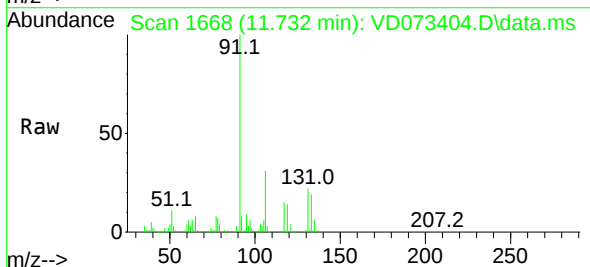


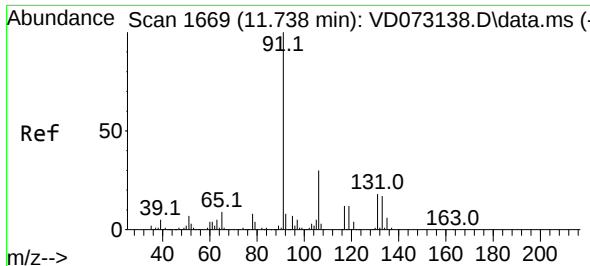
Tgt Ion:112 Resp: 231669  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 23.087 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion:131 Resp: 89940  
Ion Ratio Lower Upper  
131 100  
133 93.4 48.1 144.3  
119 63.6 31.9 95.9

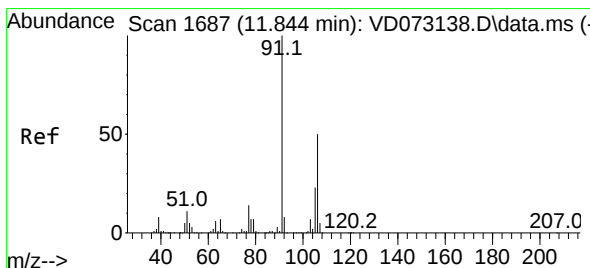
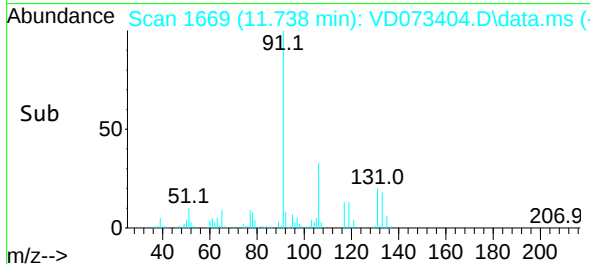
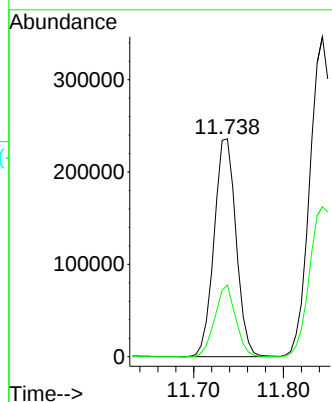
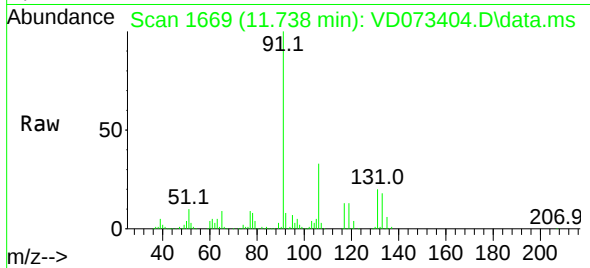




#67  
Ethyl Benzene  
Concen: 21.785 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

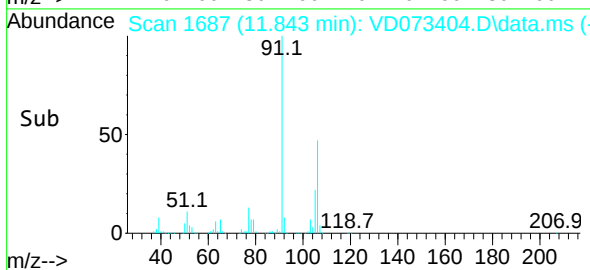
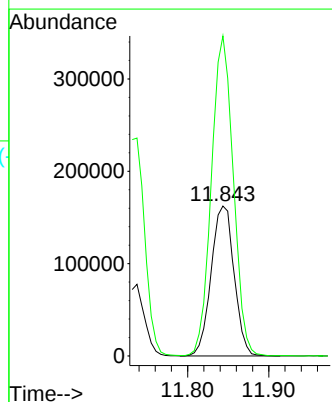
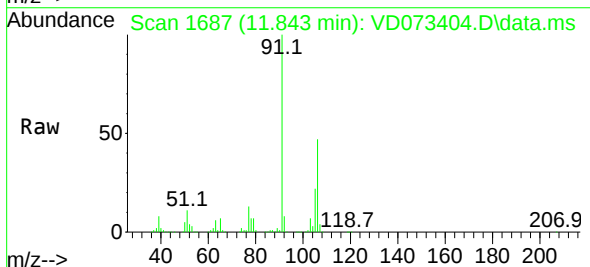
Instrument :  
MSVOA\_D  
ClientSampleId :

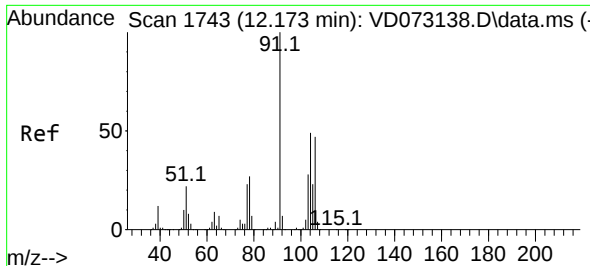
Tgt Ion: 91 Resp: 401723  
Ion Ratio Lower Upper  
91 100  
106 32.9 24.2 36.4



#68  
m/p-Xylenes  
Concen: 44.562 ug/l  
RT: 11.843 min Scan# 1687  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 106 Resp: 319251  
Ion Ratio Lower Upper  
106 100  
91 203.0 163.7 245.5

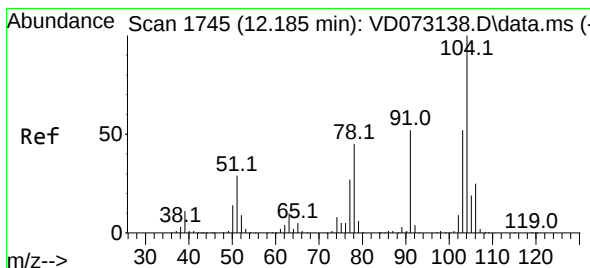
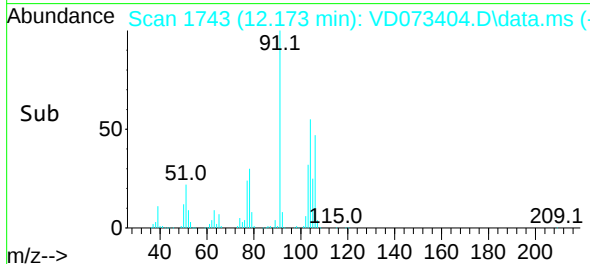
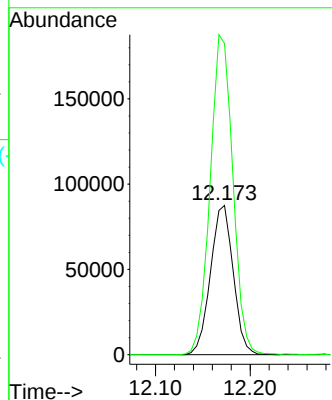
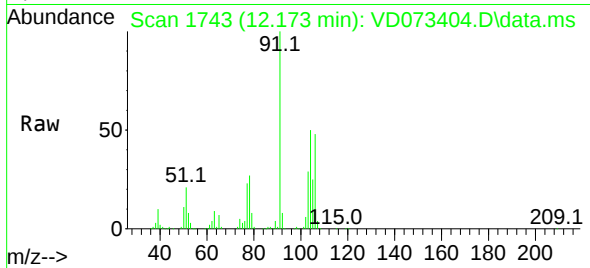




#69  
o-Xylene  
Concen: 22.218 ug/l  
RT: 12.173 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

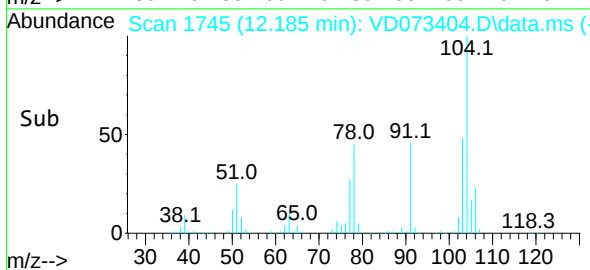
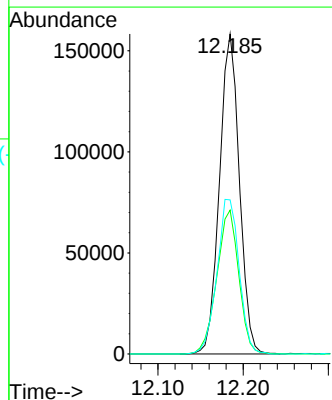
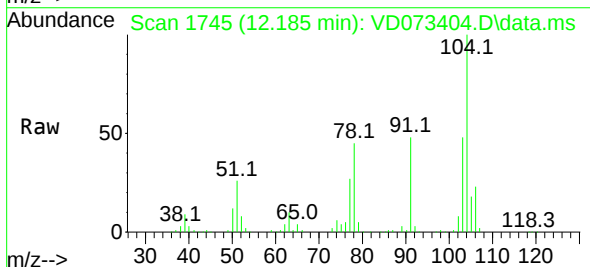
Instrument :  
MSVOA\_D  
ClientSampleId :

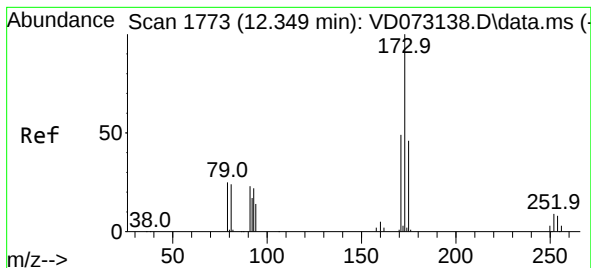
Tgt Ion:106 Resp: 146229  
Ion Ratio Lower Upper  
106 100  
91 214.1 110.4 331.2



#70  
Styrene  
Concen: 22.699 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion:104 Resp: 257028  
Ion Ratio Lower Upper  
104 100  
78 49.7 41.8 62.8  
103 53.9 44.2 66.4





#71

Bromoform

Concen: 23.458 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

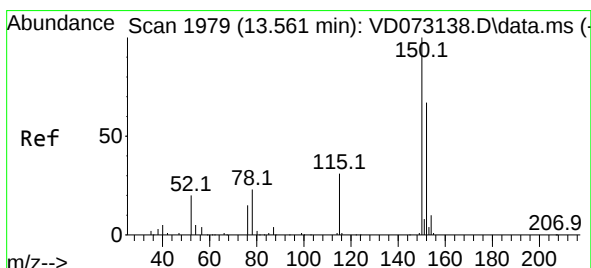
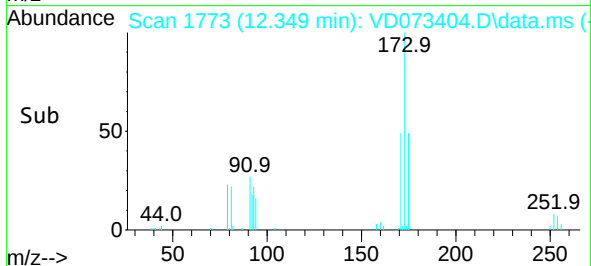
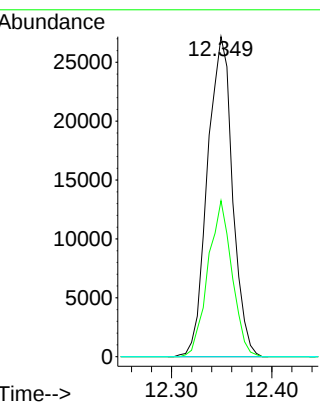
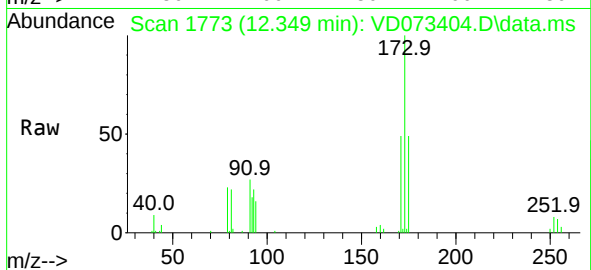
Tgt Ion:173 Resp: 47035

Ion Ratio Lower Upper

173 100

175 46.7 23.9 71.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

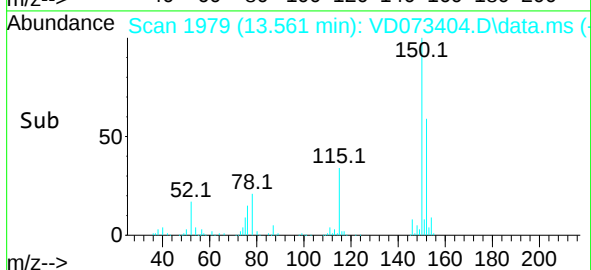
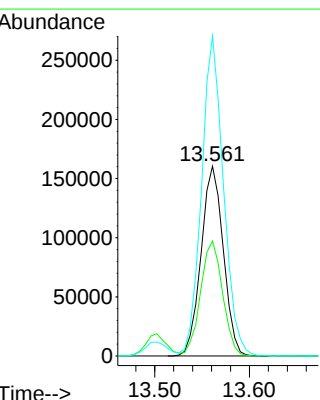
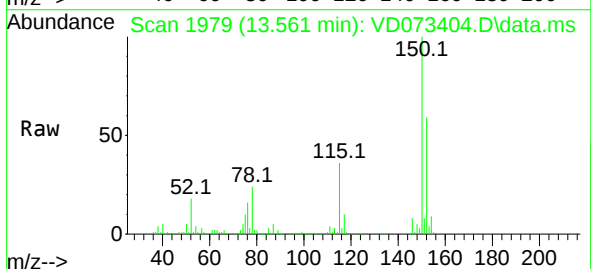
Tgt Ion:152 Resp: 261031

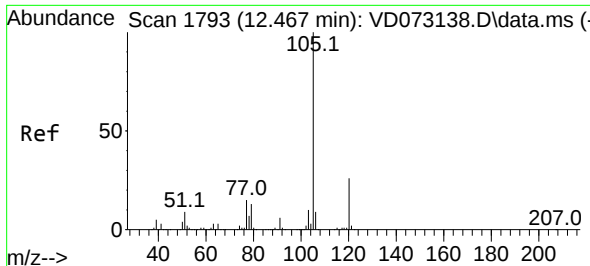
Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 166.3 0.0 348.6

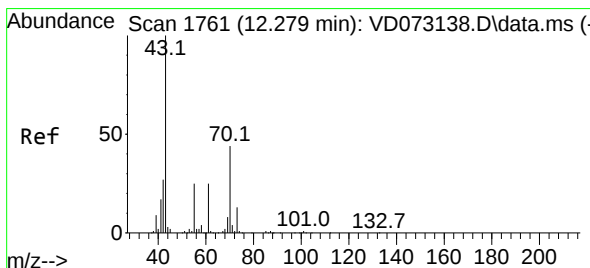
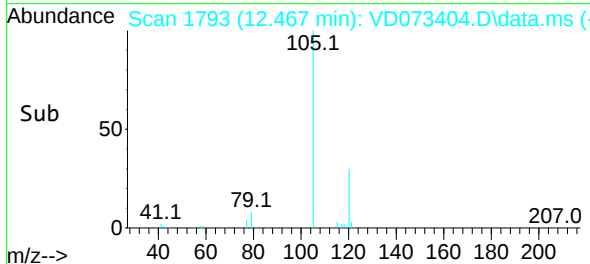
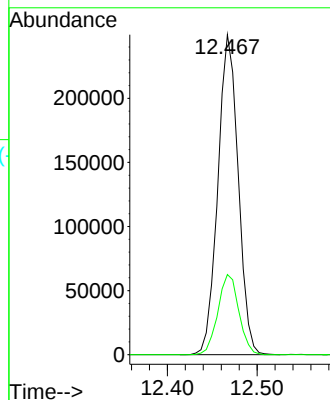
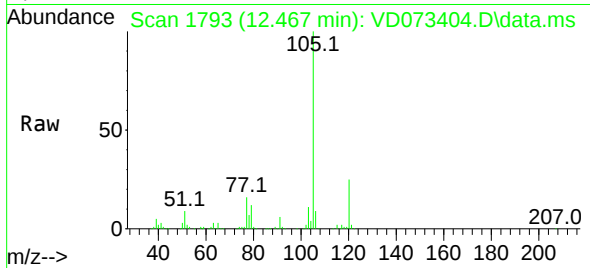




#73  
Isopropylbenzene  
Concen: 21.102 ug/l  
RT: 12.467 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

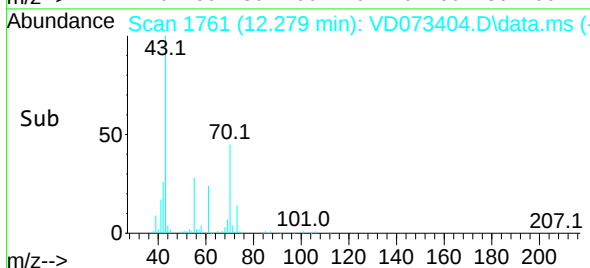
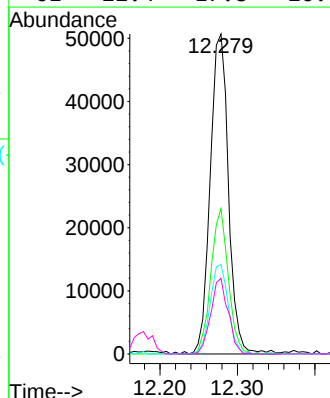
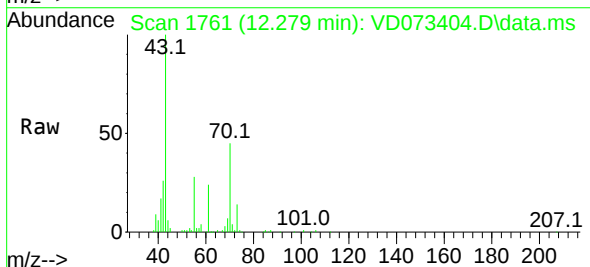
Instrument :  
MSVOA\_D  
ClientSampleId :

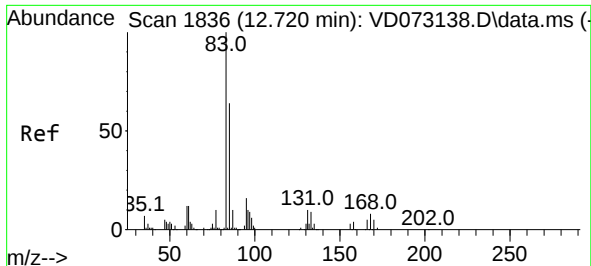
Tgt Ion:105 Resp: 392682  
Ion Ratio Lower Upper  
105 100  
120 25.8 13.0 38.9



#74  
N-ethyl acetate  
Concen: 20.471 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 43 Resp: 83101  
Ion Ratio Lower Upper  
43 100  
70 43.1 31.3 46.9  
55 27.7 20.0 30.0  
61 22.4 17.8 26.8

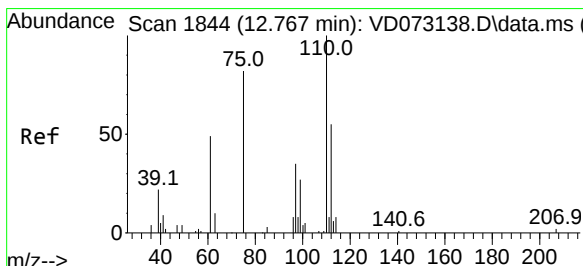
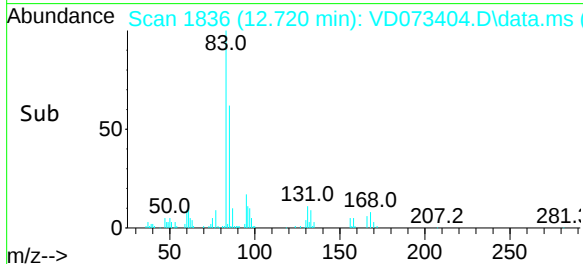
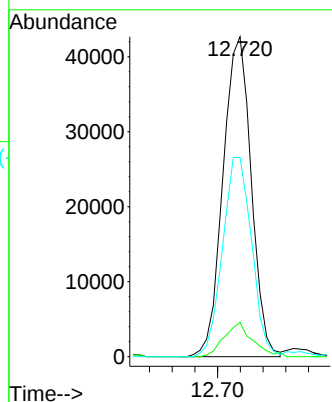
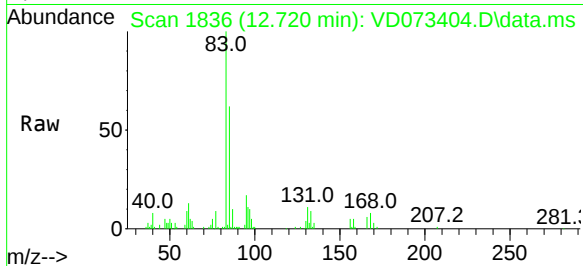




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.458 ug/l  
RT: 12.720 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

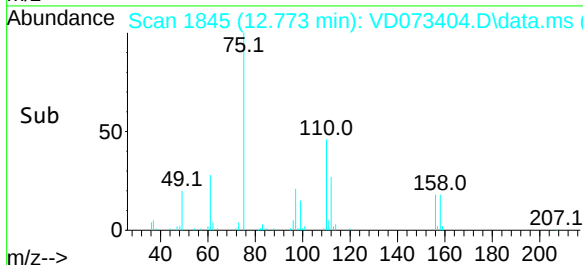
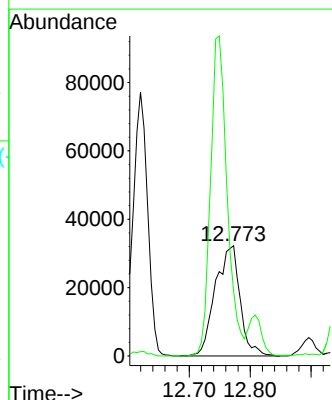
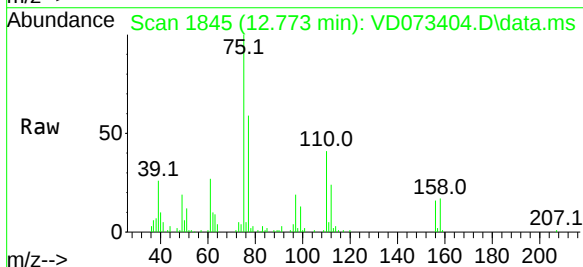
Instrument :  
MSVOA\_D  
ClientSampleId :

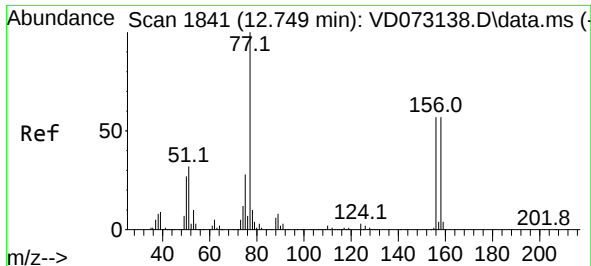
| Tgt Ion   | 83  | 131  | 85   | Resp: | 73643 |
|-----------|-----|------|------|-------|-------|
| Ion Ratio | 100 | 10.8 | 64.1 | Lower | 5.0   |
|           |     |      |      | Upper | 14.9  |
|           |     |      |      |       | 98.0  |



#76  
1,2,3-Trichloropropane  
Concen: 35.510 ug/l  
RT: 12.773 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

| Tgt Ion   | 75  | 77  | Resp: | 90946 |
|-----------|-----|-----|-------|-------|
| Ion Ratio | 100 | 0.0 | Lower | 0.0   |
|           |     |     | Upper | 0.0   |

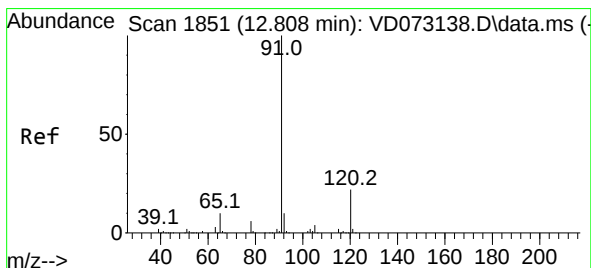
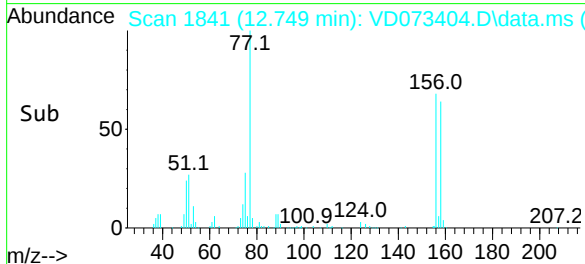
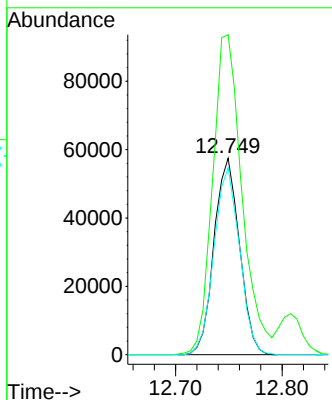
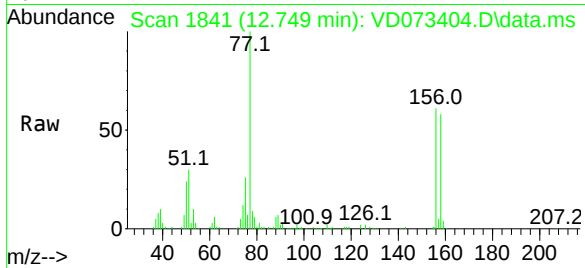




#77  
Bromobenzene  
Concen: 21.766 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

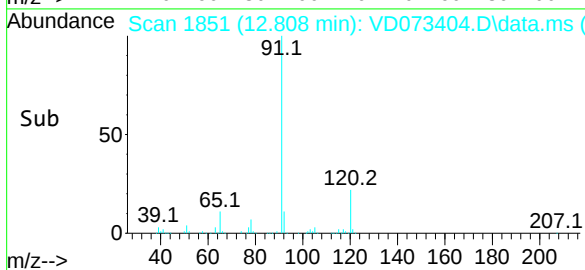
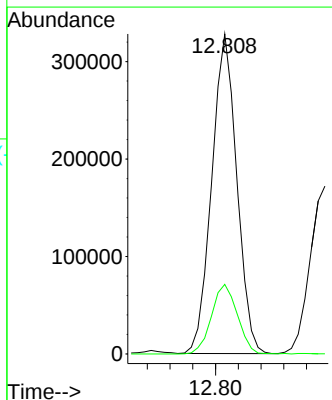
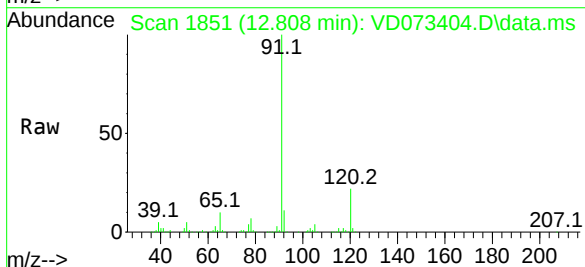
Instrument :  
MSVOA\_D  
ClientSampleId :

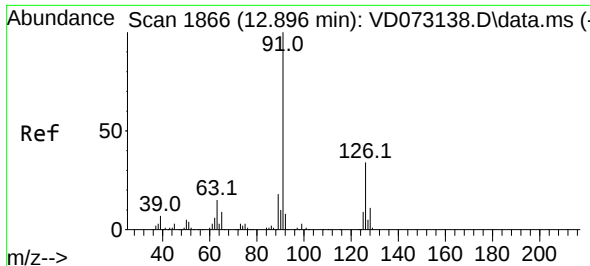
Tgt Ion:156 Resp: 95345  
Ion Ratio Lower Upper  
156 100  
77 187.7 102.8 308.3  
158 96.0 48.7 146.1



#78  
n-propylbenzene  
Concen: 21.499 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 91 Resp: 502246  
Ion Ratio Lower Upper  
91 100  
120 22.5 10.9 32.9

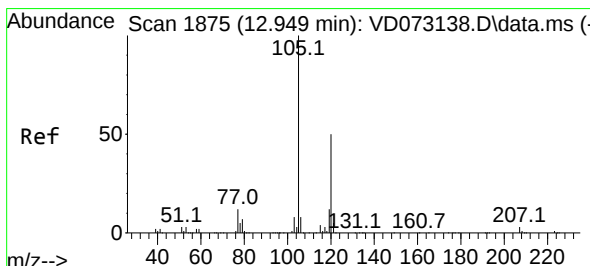
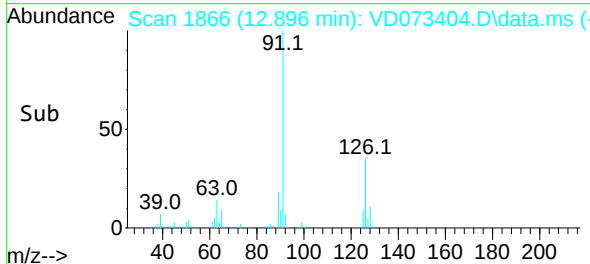
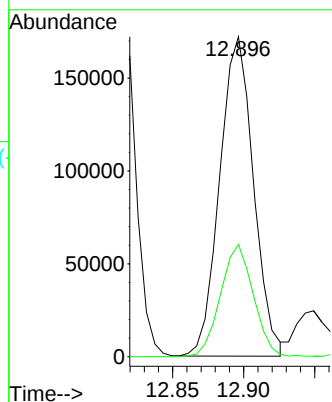
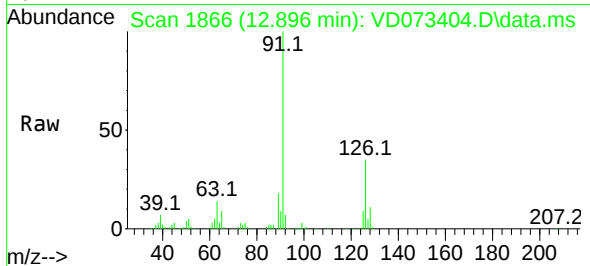




#79  
2-Chlorotoluene  
Concen: 21.076 ug/l  
RT: 12.896 min Scan# 1866  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

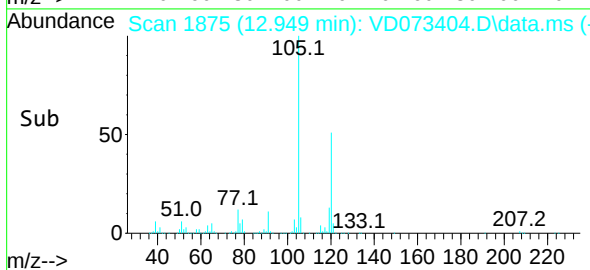
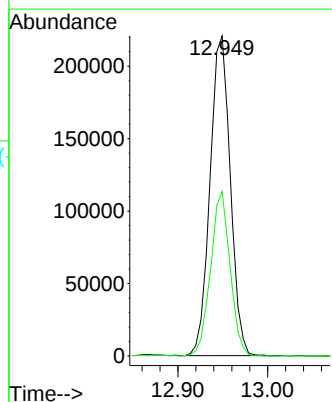
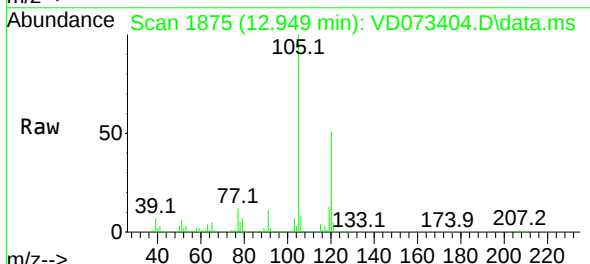
Instrument :  
MSVOA\_D  
ClientSampleId :

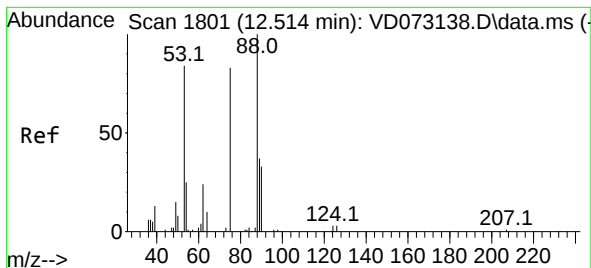
Tgt Ion: 91 Resp: 284284  
Ion Ratio Lower Upper  
91 100  
126 34.1 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 21.964 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion: 105 Resp: 346237  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.3 72.8

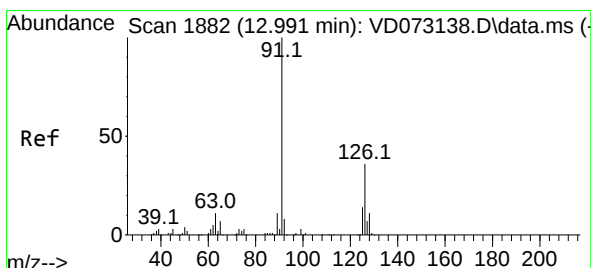
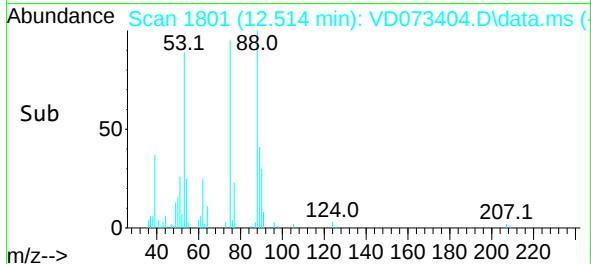
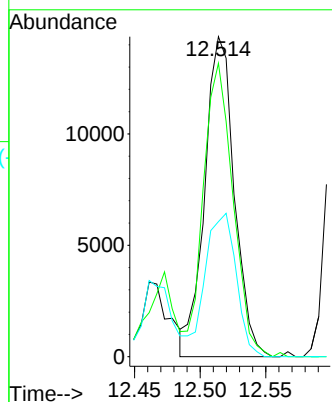
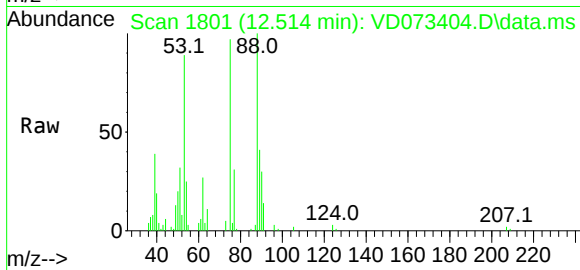




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 21.181 ug/l  
 RT: 12.514 min Scan# 1801  
 Delta R.T. -0.000 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

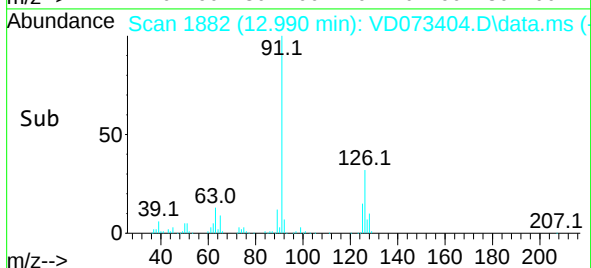
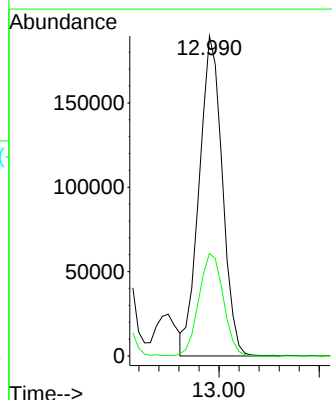
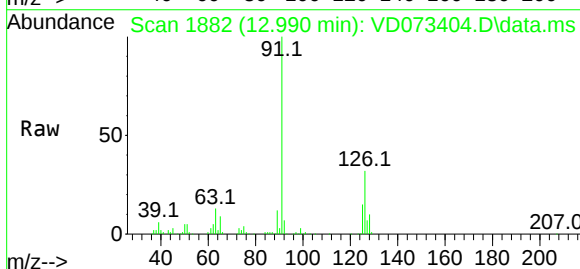
Instrument :  
 MSVOA\_D  
 ClientSampleId :

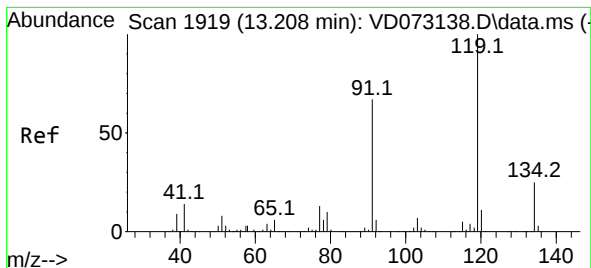
Tgt Ion: 75 Resp: 22597  
 Ion Ratio Lower Upper  
 75 100  
 53 92.3 86.5 129.7  
 89 47.8 33.9 50.9



#82  
 4-Chlorotoluene  
 Concen: 21.525 ug/l  
 RT: 12.990 min Scan# 1882  
 Delta R.T. -0.001 min  
 Lab File: VD073404.D  
 Acq: 27 May 2022 11:49

Tgt Ion: 91 Resp: 304333  
 Ion Ratio Lower Upper  
 91 100  
 126 33.8 16.5 49.5





#83

tert-Butylbenzene

Concen: 22.048 ug/l

RT: 13.208 min Scan# 1919

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

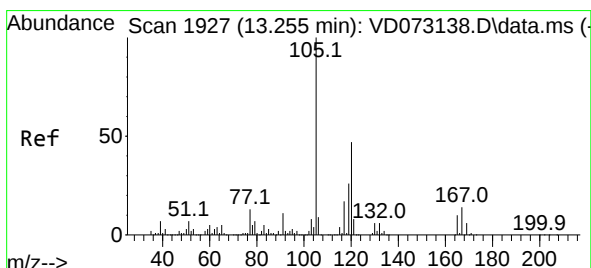
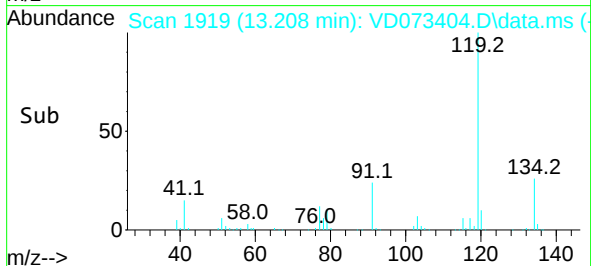
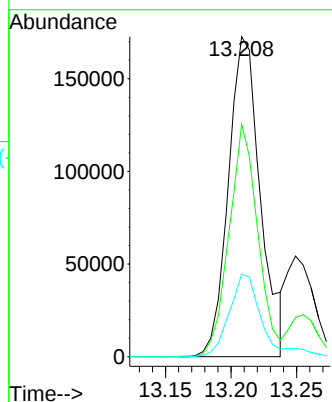
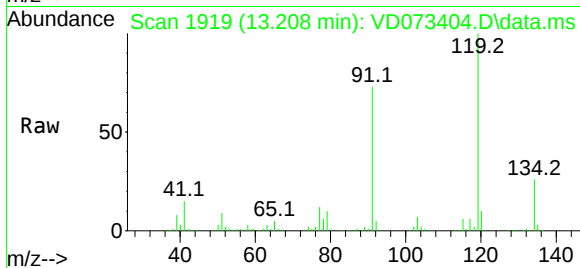
Tgt Ion:119 Resp: 292912

Ion Ratio Lower Upper

119 100

91 65.4 34.8 104.5

134 26.3 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 21.814 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD073404.D

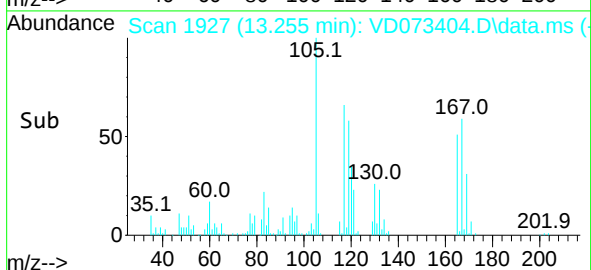
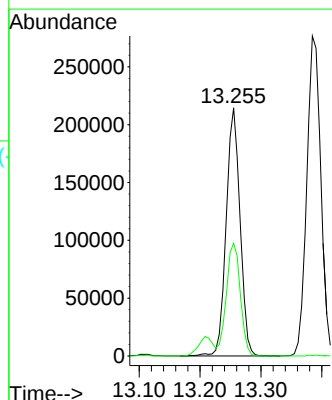
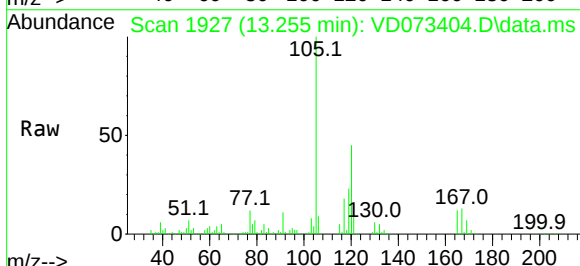
Acq: 27 May 2022 11:49

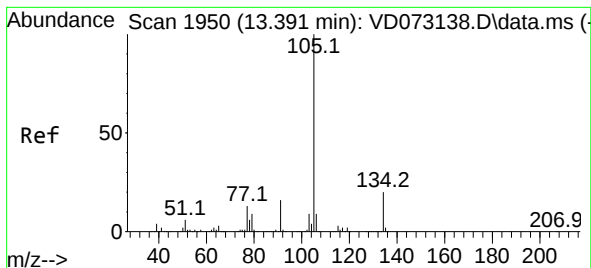
Tgt Ion:105 Resp: 339707

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 21.771 ug/l

RT: 13.384 min Scan# 1949

Delta R.T. -0.007 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

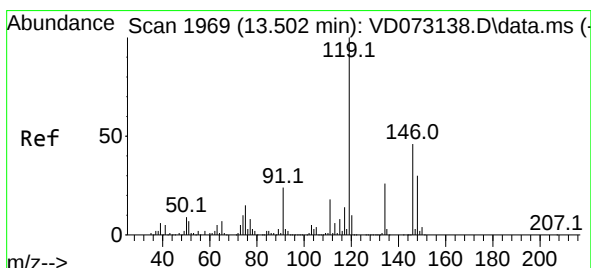
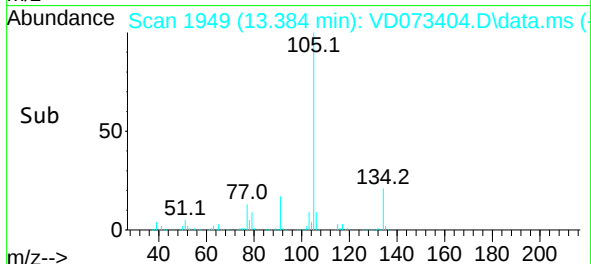
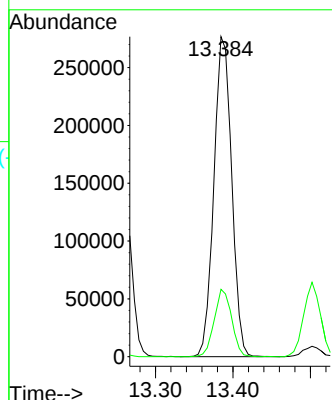
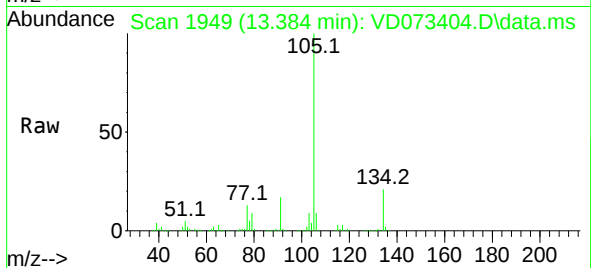
ClientSampleId :

Tgt Ion:105 Resp: 441636

Ion Ratio Lower Upper

105 100

134 20.6 9.8 29.3



#86

p-Isopropyltoluene

Concen: 22.229 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

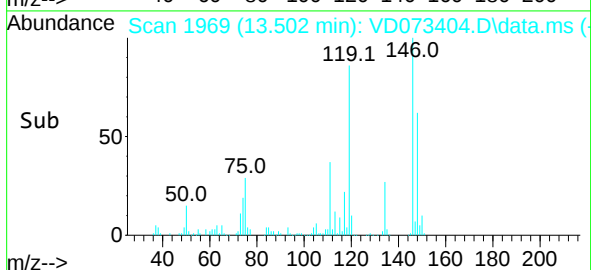
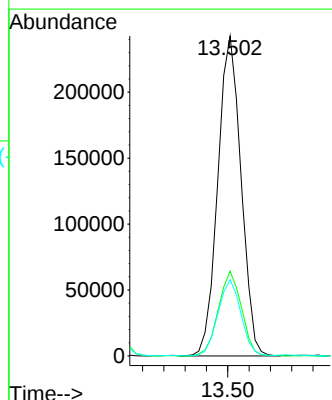
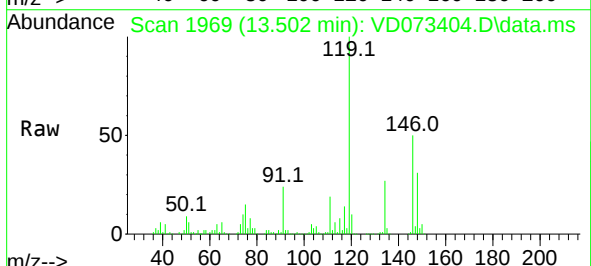
Tgt Ion:119 Resp: 367586

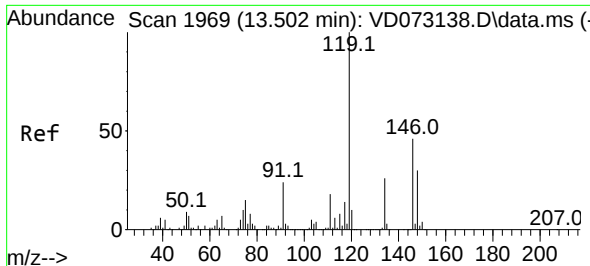
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 23.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 22.497 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

Instrument :

MSVOA\_D

ClientSampleId :

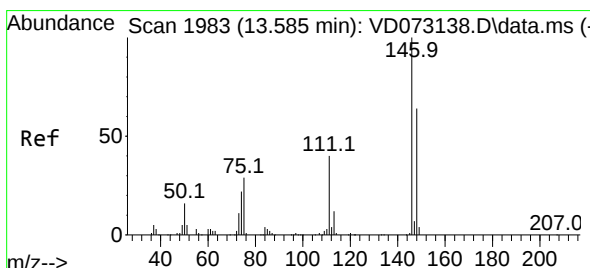
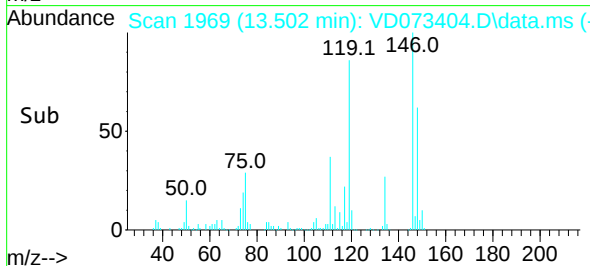
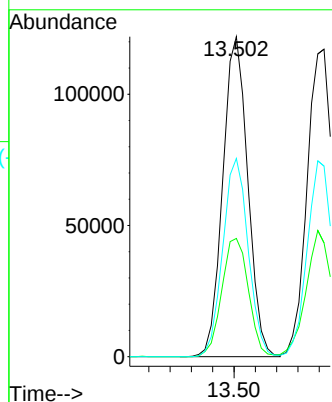
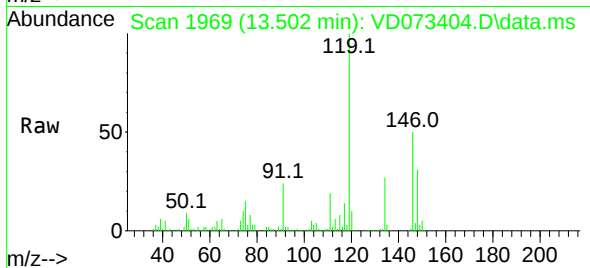
Tgt Ion:146 Resp: 198638

Ion Ratio Lower Upper

146 100

111 39.4 20.4 61.3

148 63.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 22.069 ug/l

RT: 13.584 min Scan# 1983

Delta R.T. -0.001 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

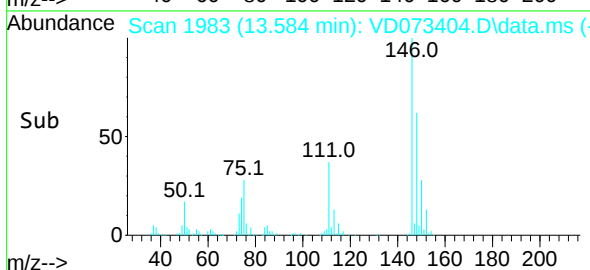
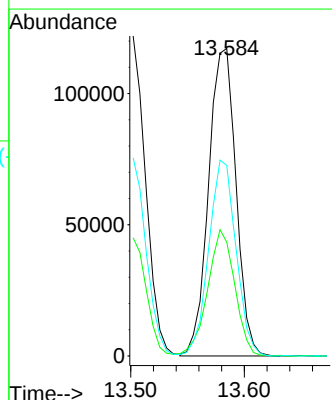
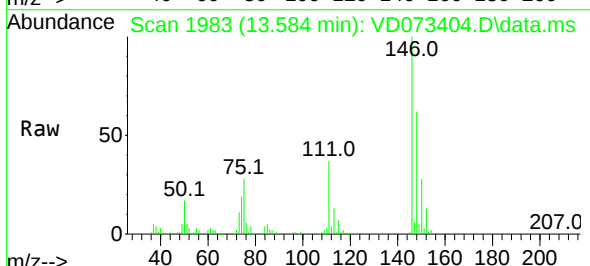
Tgt Ion:146 Resp: 196702

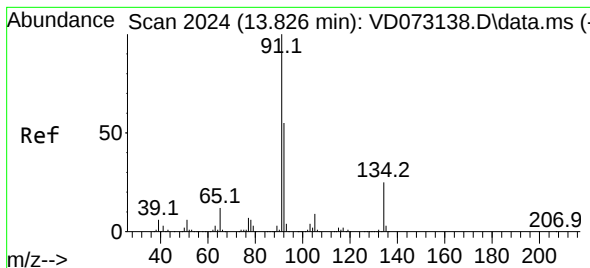
Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.9

148 63.3 31.7 95.1





#89

n-Butylbenzene

Concen: 22.074 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.000 min

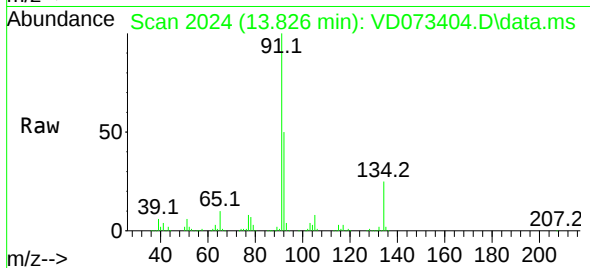
Lab File: VD073404.D

Acq: 27 May 2022 11:49

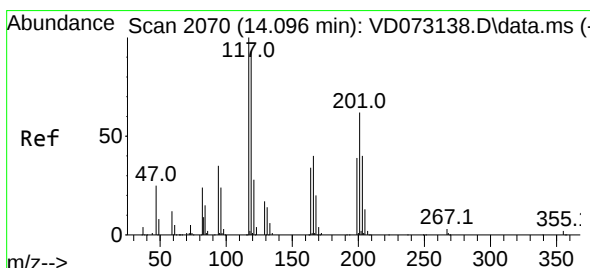
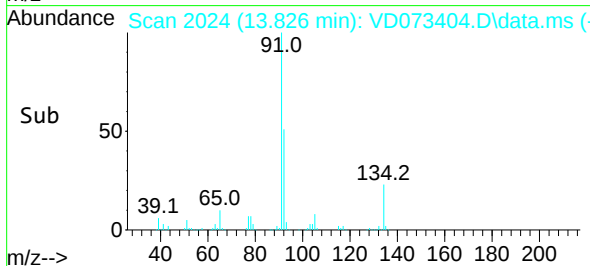
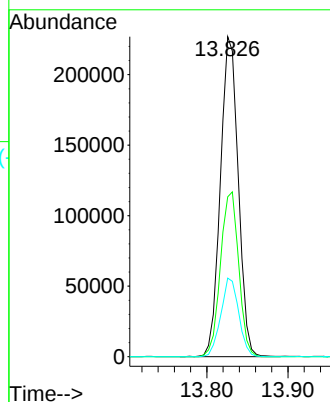
Instrument :

MSVOA\_D

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 347791 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.5  | 26.6  | 79.8   |
| 134      | 24.6  | 12.3  | 36.9   |



#90

Hexachloroethane

Concen: 21.778 ug/l

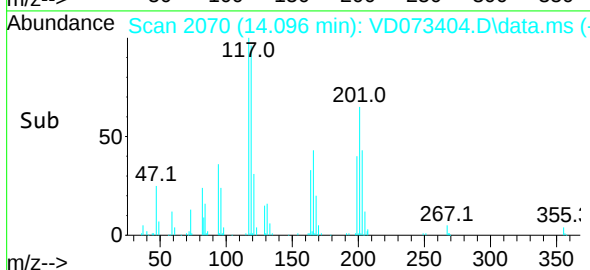
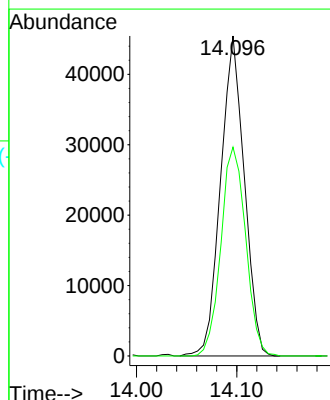
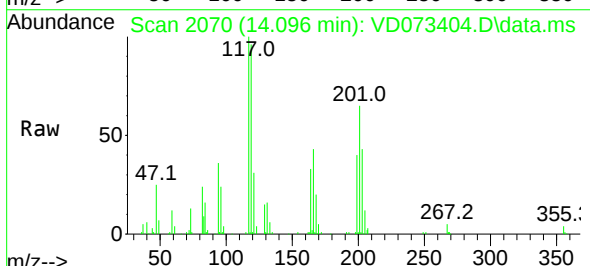
RT: 14.096 min Scan# 2070

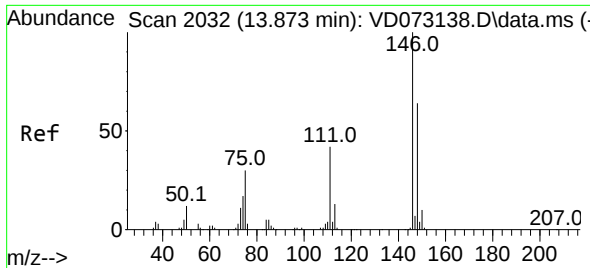
Delta R.T. 0.000 min

Lab File: VD073404.D

Acq: 27 May 2022 11:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 74516 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 68.2  | 33.4  | 100.2 |

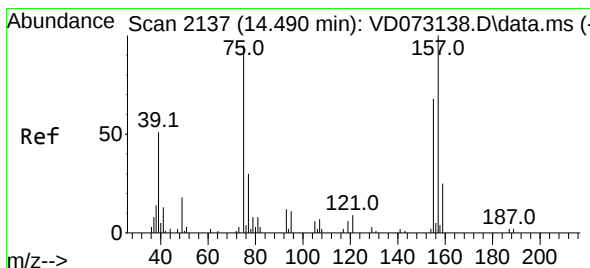
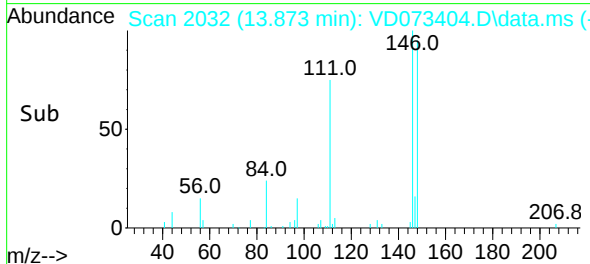
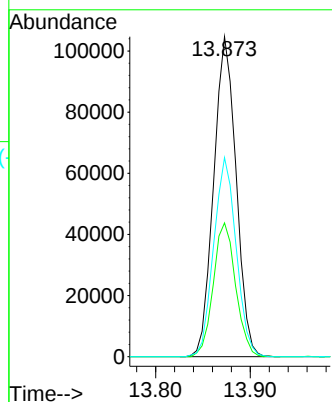
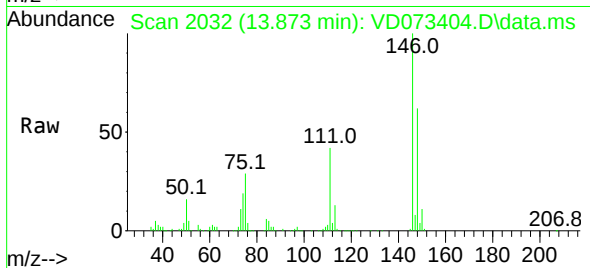




#91  
1,2-Dichlorobenzene  
Concen: 22.540 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

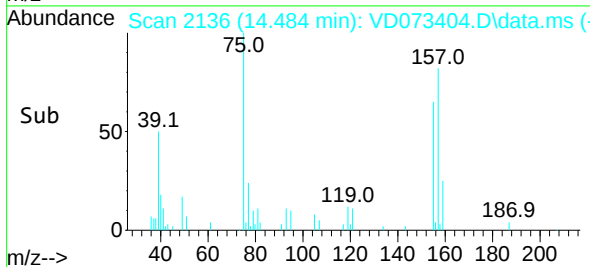
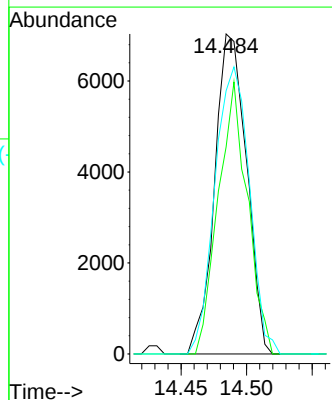
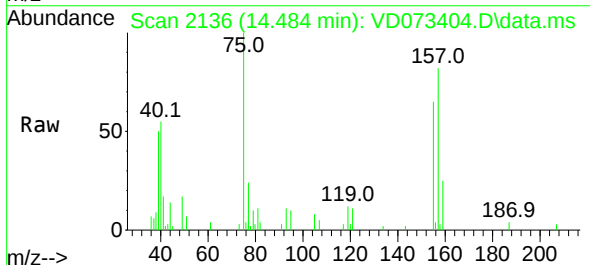
Instrument :  
MSVOA\_D  
ClientSampleId :

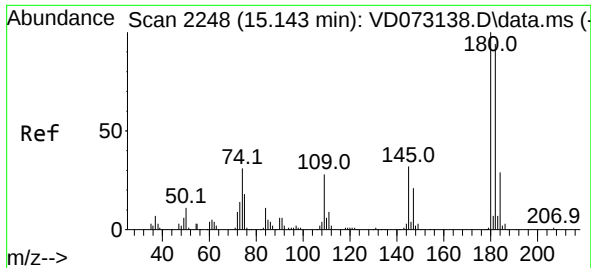
Tgt Ion:146 Resp: 172197  
Ion Ratio Lower Upper  
146 100  
111 41.6 21.1 63.3  
148 62.4 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 22.647 ug/l  
RT: 14.484 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

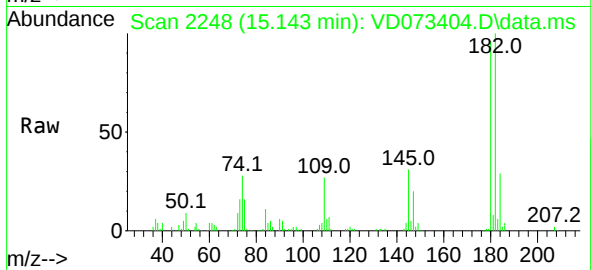
Tgt Ion: 75 Resp: 11903  
Ion Ratio Lower Upper  
75 100  
155 77.9 36.8 110.3  
157 96.8 48.4 145.0



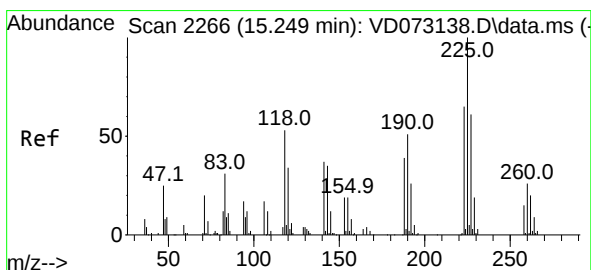
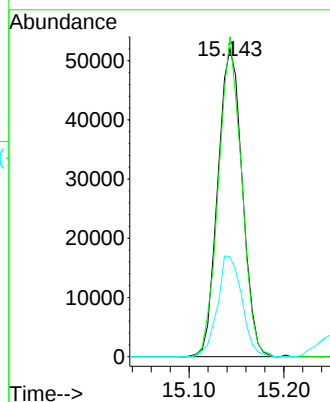
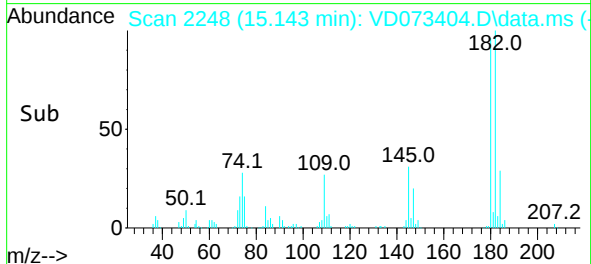


#93  
1,2,4-Trichlorobenzene  
Concen: 21.529 ug/l  
RT: 15.143 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

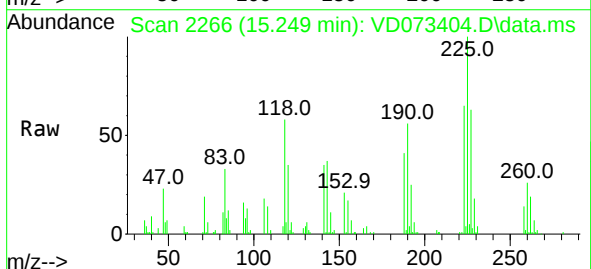
Instrument :  
MSVOA\_D  
ClientSampleId :



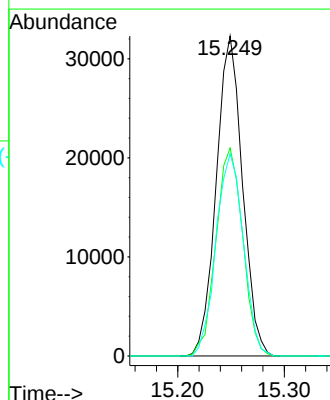
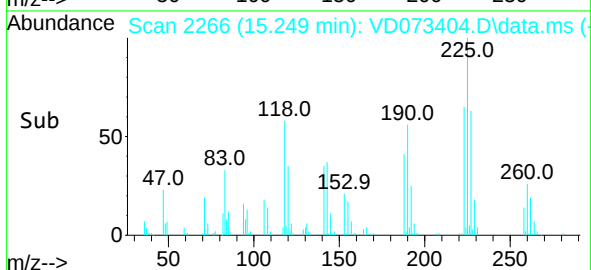
Tgt Ion:180 Resp: 93375  
Ion Ratio Lower Upper  
180 100  
182 97.6 47.3 142.0  
145 32.6 16.2 48.5

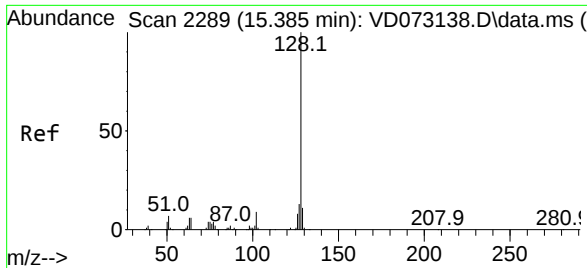


#94  
Hexachlorobutadiene  
Concen: 22.582 ug/l  
RT: 15.249 min Scan# 2266  
Delta R.T. 0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49



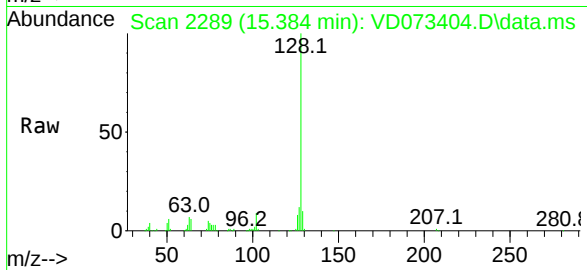
Tgt Ion:225 Resp: 55192  
Ion Ratio Lower Upper  
225 100  
223 66.3 31.1 93.2  
227 65.9 32.4 97.0



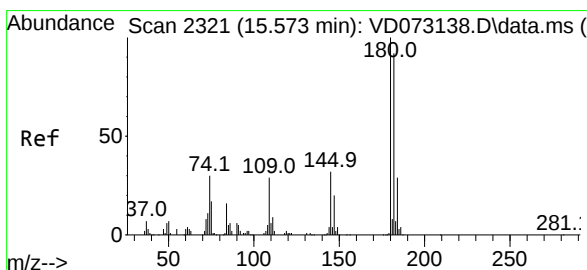
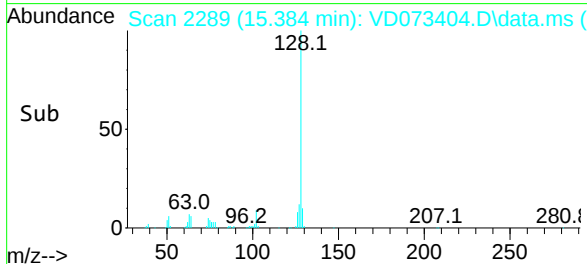
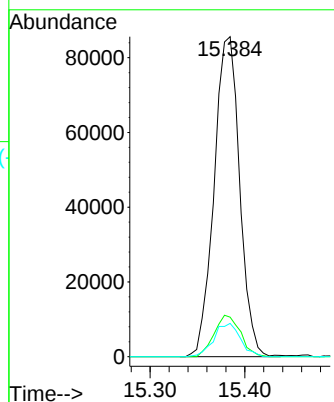


#95  
Naphthalene  
Concen: 21.009 ug/l  
RT: 15.384 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion:128 Resp: 160583  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.3 15.5  
129 10.8 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 22.302 ug/l  
RT: 15.573 min Scan# 2321  
Delta R.T. -0.000 min  
Lab File: VD073404.D  
Acq: 27 May 2022 11:49

Tgt Ion:180 Resp: 85751  
Ion Ratio Lower Upper  
180 100  
182 96.1 47.6 142.9  
145 34.1 17.1 51.3

