

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051722\  
 Data File : VN072533.D  
 Acq On : 17 May 2022 17:05  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: May 18 07:27:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 17 06:34:50 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc    | Units     | Dev(Min) |
|------------------------------|--------|----------|----------|---------|-----------|----------|
| -----                        |        |          |          |         |           |          |
| Internal Standards           |        |          |          |         |           |          |
| 1) Bromochloromethane        | 7.651  | 128      | 27399    | 30.000  | ug/l      | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.963  | 114      | 143797   | 30.000  | ug/l      | 0.00     |
| 57) Chlorobenzene-d5         | 11.739 | 117      | 119107   | 30.000  | ug/l      | 0.00     |
|                              |        |          |          |         |           |          |
| System Monitoring Compounds  |        |          |          |         |           |          |
| 27) 1,2-Dichloroethane-d4    | 8.428  | 65       | 86355    | 28.009  | ug/l      | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | =       | 93.367%   |          |
| 60) 4-Bromofluorobenzene     | 12.727 | 95       | 73566    | 31.633  | ug/l      | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | =       | 105.433%  |          |
| 63) Toluene-d8               | 10.433 | 98       | 223354   | 34.353  | ug/l      | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | =       | 114.500%# |          |
|                              |        |          |          |         |           |          |
| Target Compounds             |        |          |          |         |           | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.069  | 85       | 41614    | 18.284  | ug/l      | 98       |
| 3) Chloromethane             | 2.299  | 50       | 38928    | 18.937  | ug/l      | 97       |
| 4) Vinyl Chloride            | 2.440  | 62       | 30461    | 17.554  | ug/l      | 95       |
| 5) Bromomethane              | 2.816  | 94       | 25211    | 17.862  | ug/l      | 96       |
| 6) Chloroethane              | 2.987  | 64       | 20698    | 18.265  | ug/l      | 94       |
| 7) Trichlorofluoromethane    | 3.357  | 101      | 72047    | 17.576  | ug/l      | 97       |
| 8) Diethyl Ether             | 3.822  | 74       | 24236    | 19.655  | ug/l      | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.198  | 101      | 35429    | 18.344  | ug/l #    | 66       |
| 10) 1,1-Dichloroethene       | 4.181  | 96       | 32443    | 18.629  | ug/l      | 98       |
| 11) Methyl Iodide            | 4.422  | 142      | 48967    | 18.671  | ug/l      | 96       |
| 12) Methyl Acetate           | 4.857  | 43       | 49107    | 17.430  | ug/l      | 98       |
| 13) Acrolein                 | 4.034  | 56       | 47411    | 107.099 | ug/l      | 99       |
| 14) Acrylonitrile            | 5.551  | 53       | 102894   | 86.564  | ug/l      | 90       |
| 15) Acetone                  | 4.281  | 58       | 14286    | 45.834  | ug/l      | 87       |
| 16) Carbon Disulfide         | 4.528  | 76       | 81521    | 18.046  | ug/l      | 97       |
| 17) Allyl chloride           | 4.828  | 41       | 55327    | 17.600  | ug/l      | 85       |
| 18) Methylene Chloride       | 5.093  | 84       | 41431    | 20.099  | ug/l      | 96       |
| 19) trans-1,2-Dichloroethene | 5.593  | 96       | 36245    | 18.949  | ug/l      | 91       |
| 20) Diisopropyl ether        | 6.487  | 45       | 127372   | 19.490  | ug/l      | 96       |
| 21) 1,1-Dichloroethane       | 6.387  | 63       | 72057    | 18.438  | ug/l      | 95       |
| 22) cis-1,2-Dichloroethene   | 7.316  | 96       | 43034    | 19.162  | ug/l      | 94       |
| 23) tert-Butyl Alcohol       | 5.363  | 59       | 9683     | 18.572  | ug/l #    | 100      |
| 24) Methyl tert-Butyl Ether  | 5.616  | 73       | 134181   | 18.781  | ug/l      | 96       |
| 25) Chloroform               | 7.810  | 83       | 78594    | 18.647  | ug/l      | 94       |
| 26) Cyclohexane              | 8.092  | 56       | 59187    | 18.662  | ug/l #    | 96       |
| 29) 1,1-Dichloropropene      | 8.216  | 75       | 52934    | 18.484  | ug/l      | 96       |
| 30) 2-Butanone               | 7.328  | 43       | 136861   | 82.570  | ug/l      | 97       |
| 31) 2,2-Dichloropropane      | 7.316  | 77       | 64922    | 18.273  | ug/l      | 95       |
| 32) 1,1,1-Trichloroethane    | 8.004  | 97       | 74736    | 18.296  | ug/l      | 99       |
| 33) Carbon Tetrachloride     | 8.204  | 117      | 65081    | 17.928  | ug/l      | 99       |
| 34) Benzene                  | 8.451  | 78       | 159061   | 19.547  | ug/l      | 99       |
| 35) Methacrylonitrile        | 7.628  | 41       | 32744    | 18.684  | ug/l      | 96       |
| 36) 1,2-Dichloroethane       | 8.522  | 62       | 70091    | 18.495  | ug/l #    | 93       |
| 37) Trichloroethene          | 9.210  | 130      | 42310    | 19.165  | ug/l      | 94       |
| 38) Methylcyclohexane        | 9.457  | 83       | 63147    | 19.072  | ug/l      | 96       |
| 39) 1,2-Dichloropropane      | 9.486  | 63       | 40934    | 19.970  | ug/l      | 95       |
| 40) Dibromomethane           | 9.575  | 93       | 30234    | 19.107  | ug/l      | 89       |
| 41) Bromodichloromethane     | 9.757  | 83       | 62544    | 18.657  | ug/l      | 97       |
| 42) Vinyl Acetate            | 6.428  | 43       | 541122   | 96.995  | ug/l      | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051722\  
 Data File : VN072533.D  
 Acq On : 17 May 2022 17:05  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: May 18 07:27:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 17 06:34:50 2022  
 Response via : Initial Calibration

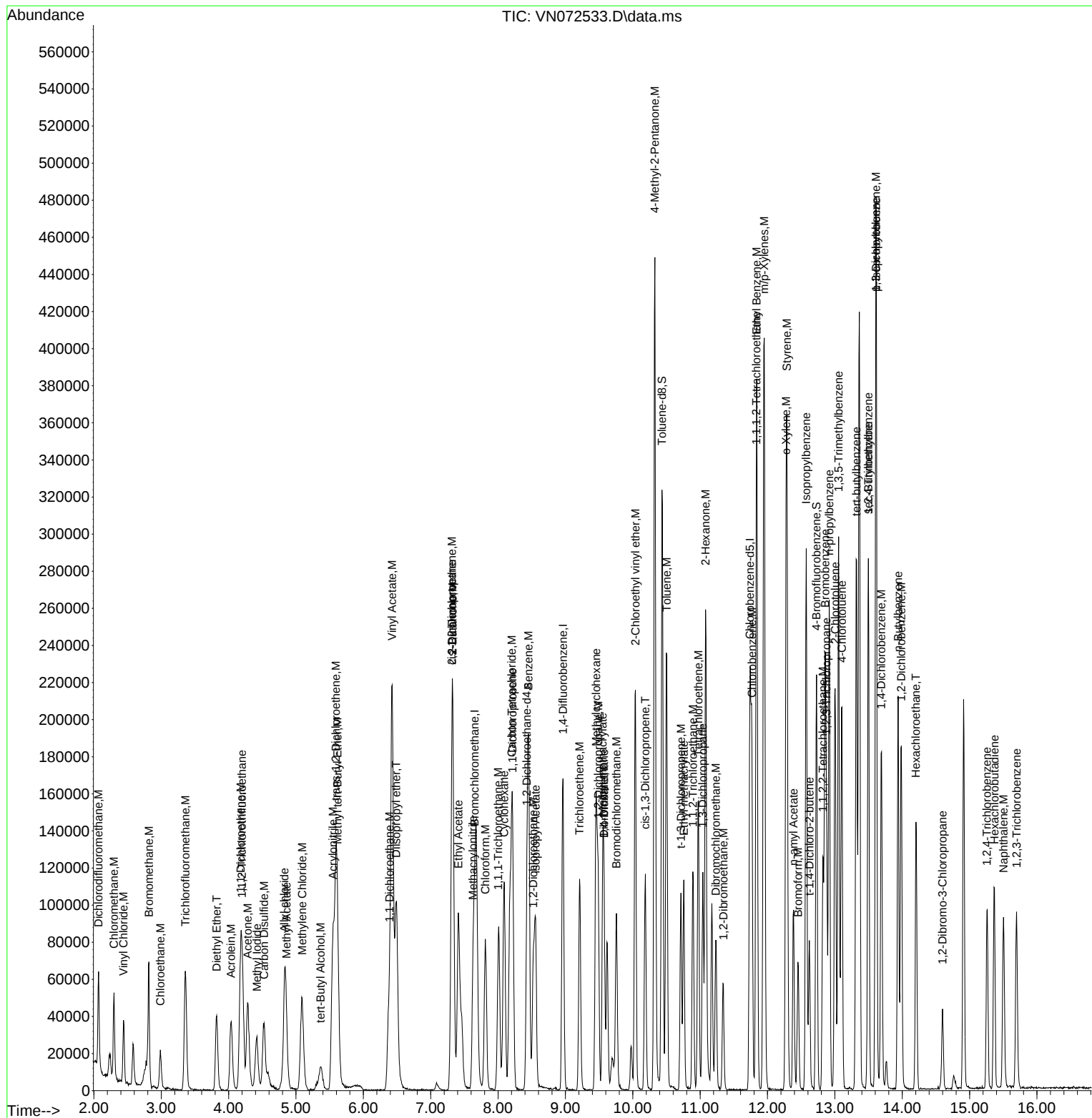
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.410  | 43   | 58519    | 18.079  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.557  | 43   | 95165    | 18.366  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.575  | 88   | 8143     | 165.000 | ug/l # | 87       |
| 46) Methyl methacrylate       | 9.551  | 41   | 45661    | 18.623  | ug/l   | 90       |
| 47) n-amyl Acetate            | 12.386 | 43   | 55756    | 16.074  | ug/l   | 93       |
| 48) t-1,3-Dichloropropene     | 10.716 | 75   | 57176    | 16.156  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene   | 10.186 | 75   | 68132    | 19.101  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.892 | 97   | 37559    | 17.209  | ug/l   | 93       |
| 51) Ethyl methacrylate        | 10.757 | 69   | 55630    | 16.345  | ug/l   | 91       |
| 52) 1,3-Dichloropropane       | 11.039 | 76   | 63838    | 16.929  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.233 | 129  | 43391    | 16.465  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.345 | 107  | 40084    | 17.265  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.039 | 63   | 95073    | 110.098 | ug/l   | 99       |
| 56) Bromoform                 | 12.451 | 173  | 31326    | 15.762  | ug/l # | 93       |
| 58) 4-Methyl-2-Pentanone      | 10.327 | 43   | 287763   | 102.532 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.080 | 43   | 175672   | 85.203  | ug/l   | 99       |
| 61) Tetrachloroethene         | 10.975 | 164  | 35552    | 19.931  | ug/l   | 91       |
| 62) Toluene                   | 10.504 | 91   | 179317   | 22.285  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.769 | 112  | 95722    | 19.071  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.833 | 131  | 39995    | 19.271  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.839 | 91   | 170542   | 18.843  | ug/l   | 96       |
| 67) m/p-Xylenes               | 11.951 | 106  | 135097   | 39.371  | ug/l   | 96       |
| 68) o-Xylene                  | 12.274 | 106  | 64905    | 19.135  | ug/l   | 93       |
| 69) Styrene                   | 12.286 | 104  | 104000   | 19.251  | ug/l   | 94       |
| 70) Isopropylbenzene          | 12.574 | 105  | 188642   | 20.959  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.821 | 83   | 58991    | 21.462  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 12.874 | 75   | 71361    | 27.682  | ug/l   | 57       |
| 73) Bromobenzene              | 12.857 | 156  | 44600    | 20.590  | ug/l   | 96       |
| 74) n-propylbenzene           | 12.916 | 91   | 204931   | 20.799  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.004 | 91   | 132816   | 20.863  | ug/l   | 96       |
| 76) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 162903   | 21.161  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.621 | 75   | 16562    | 19.444  | ug/l   | 99       |
| 78) 4-Chlorotoluene           | 13.104 | 91   | 130111   | 21.806  | ug/l   | 94       |
| 79) tert-butylbenzene         | 13.321 | 119  | 143842   | 21.267  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.498 | 105  | 195692   | 26.380  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.498 | 105  | 195692   | 21.823  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 13.610 | 119  | 163591   | 22.043  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.610 | 146  | 84010    | 22.719  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.686 | 146  | 79581    | 22.116  | ug/l   | 99       |
| 85) n-Butylbenzene            | 13.939 | 91   | 117994   | 21.454  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.204 | 117  | 28630    | 20.950  | ug/l   | 91       |
| 87) 1,2-Dichlorobenzene       | 13.986 | 146  | 81418    | 22.521  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 11819    | 18.267  | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene    | 15.257 | 180  | 34774    | 21.250  | ug/l   | 95       |
| 90) Hexachlorobutadiene       | 15.368 | 225  | 22067    | 21.819  | ug/l   | 97       |
| 91) Naphthalene               | 15.504 | 128  | 90457    | 20.757  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.698 | 180  | 35327    | 21.207  | ug/l   | 96       |

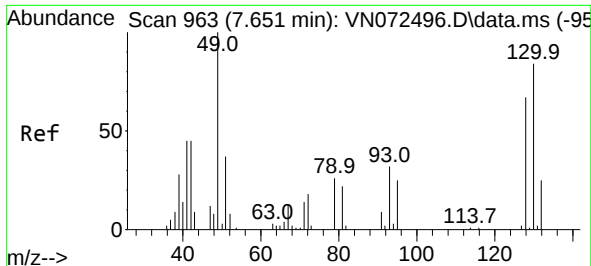
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051722\  
 Data File : VN072533.D  
 Acq On : 17 May 2022 17:05  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Quant Time: May 18 07:27:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N051622W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue May 17 06:34:50 2022  
 Response via : Initial Calibration

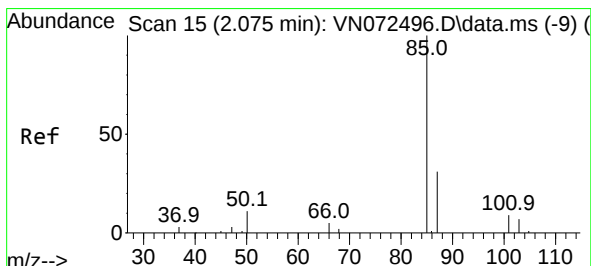
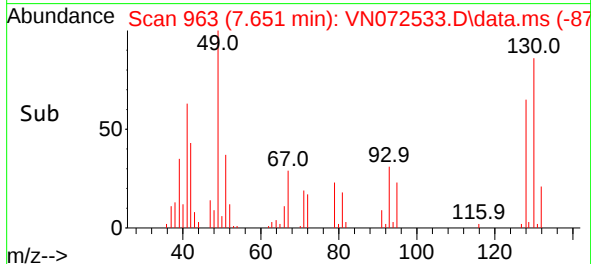
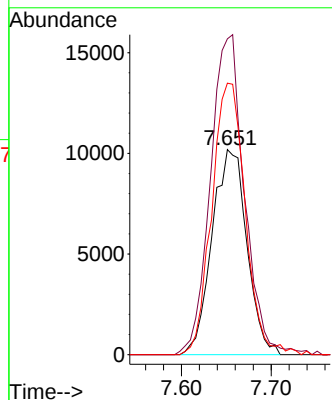
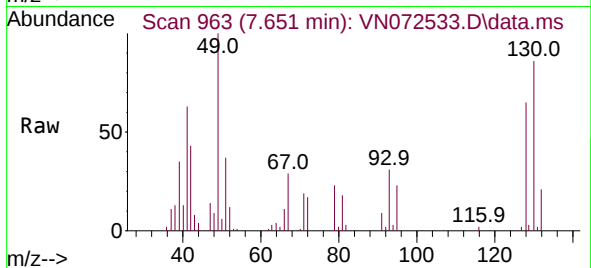




#1  
 Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 7.651 min Scan# 90  
 Delta R.T. 0.000 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

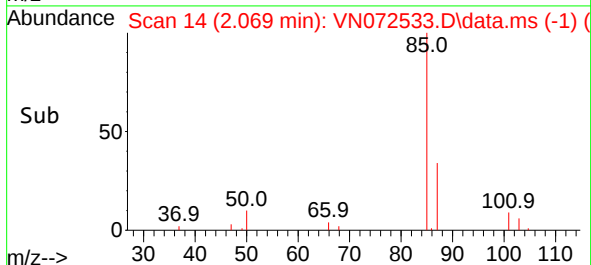
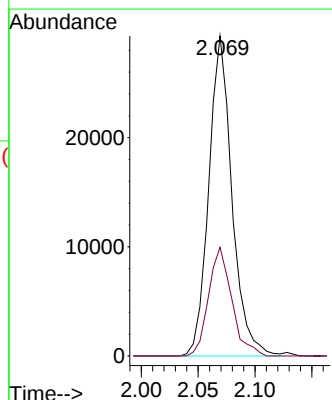
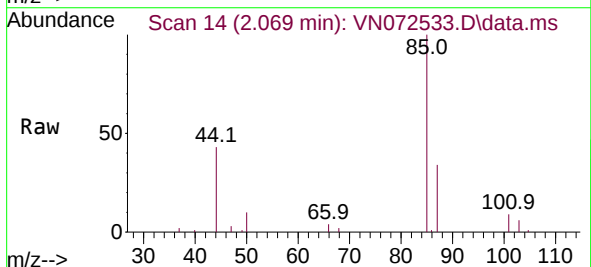
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

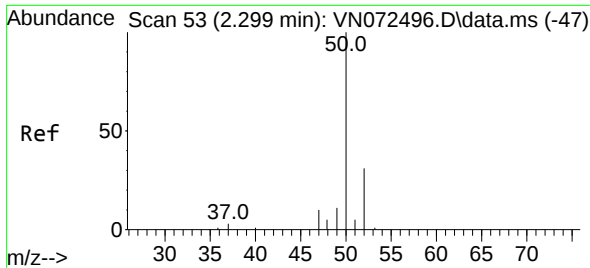
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 27399 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 151.3 | 0.0   | 392.3 |
| 130      | 126.0 | 0.0   | 320.2 |



#2  
 Dichlorodifluoromethane  
 Concen: 18.284 ug/l  
 RT: 2.069 min Scan# 14  
 Delta R.T. -0.006 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 41614 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 34.0  | 16.6  | 49.7  |

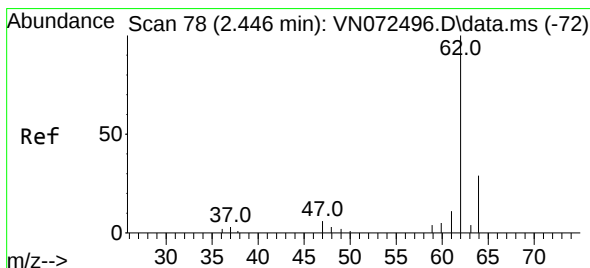
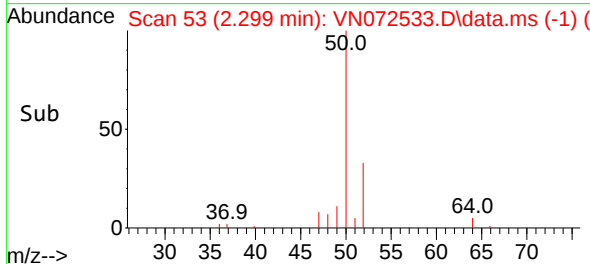
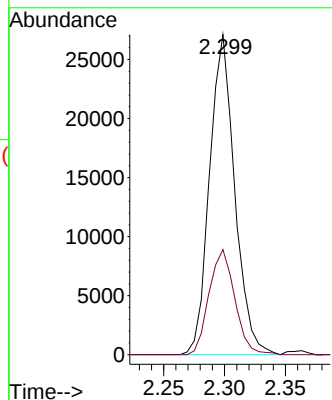
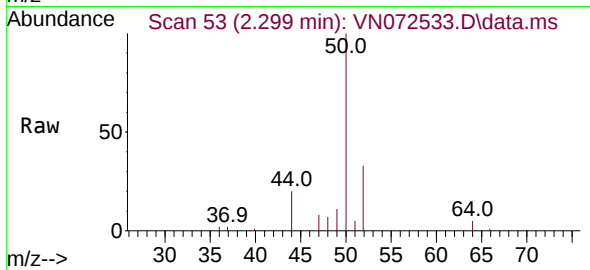




#3  
Chloromethane  
Concen: 18.937 ug/l  
RT: 2.299 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

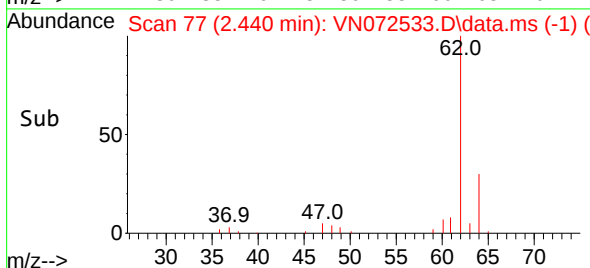
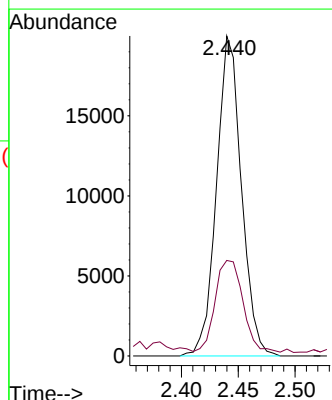
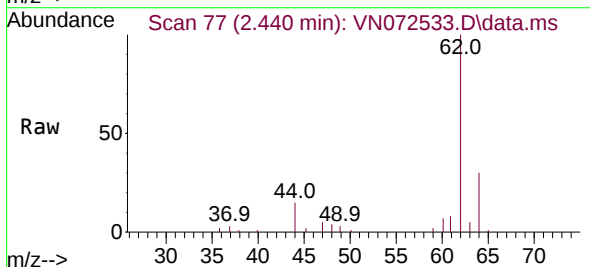
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

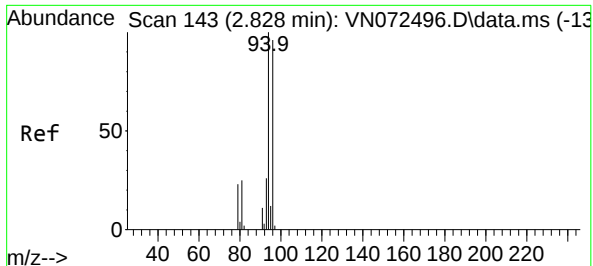
Tgt Ion: 50 Resp: 38928  
Ion Ratio Lower Upper  
50 100  
52 32.9 27.8 41.6



#4  
Vinyl Chloride  
Concen: 17.554 ug/l  
RT: 2.440 min Scan# 77  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 62 Resp: 30461  
Ion Ratio Lower Upper  
62 100  
64 28.7 25.1 37.7

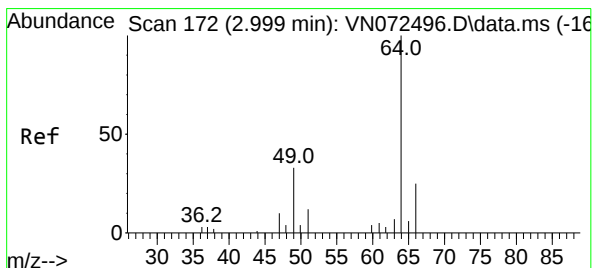
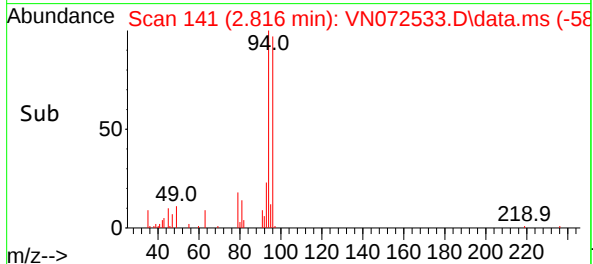
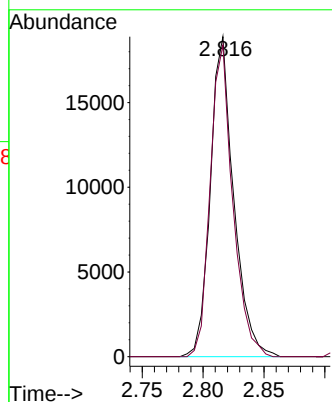
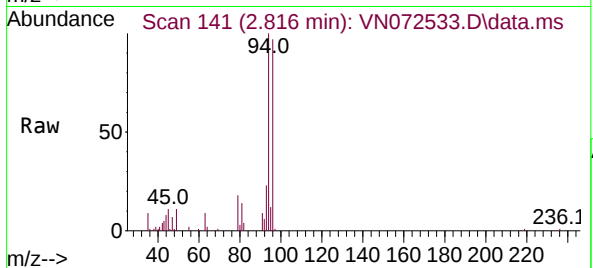




#5  
Bromomethane  
Concen: 17.862 ug/l  
RT: 2.816 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

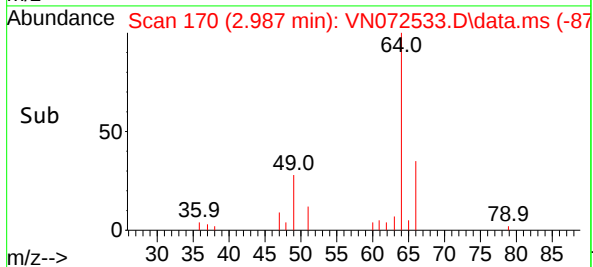
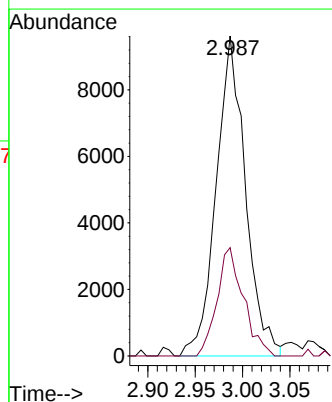
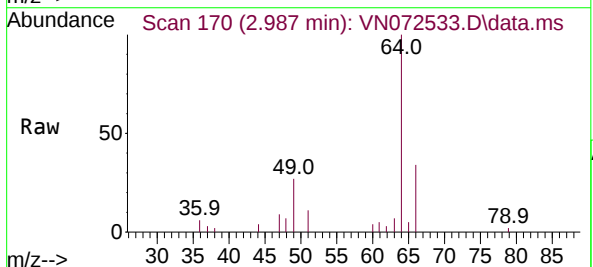
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

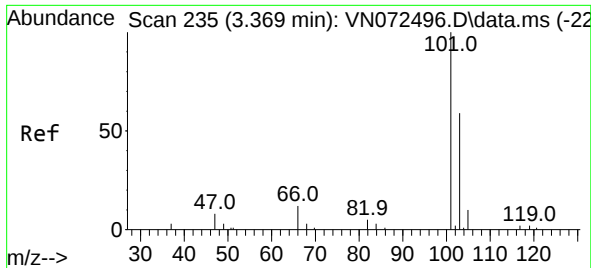
Tgt Ion: 94 Resp: 25211  
Ion Ratio Lower Upper  
94 100  
96 97.4 75.2 112.8



#6  
Chloroethane  
Concen: 18.265 ug/l  
RT: 2.987 min Scan# 170  
Delta R.T. -0.012 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 64 Resp: 20698  
Ion Ratio Lower Upper  
64 100  
66 33.8 24.6 36.8

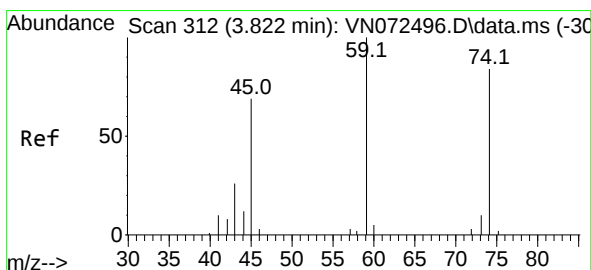
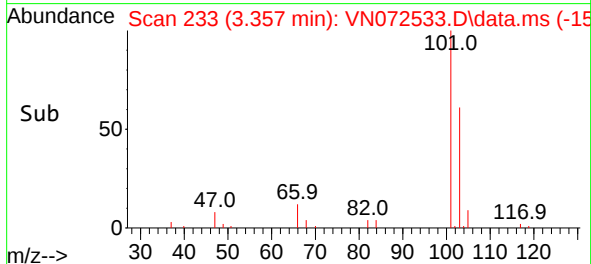
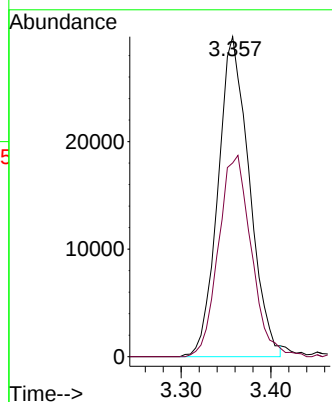
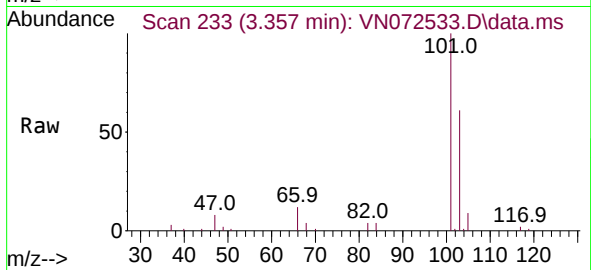




#7  
 Trichlorofluoromethane  
 Concen: 17.576 ug/l  
 RT: 3.357 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

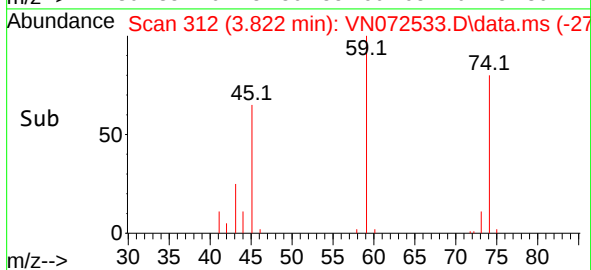
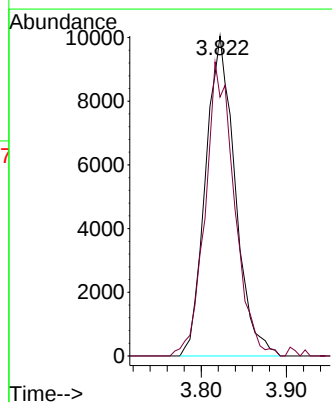
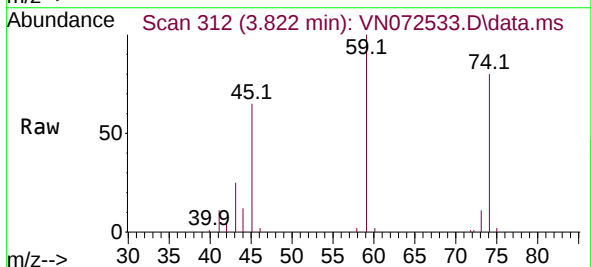
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

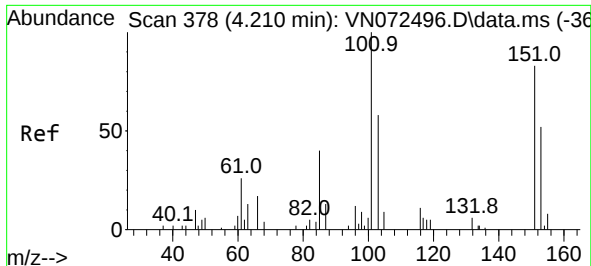
Tgt Ion:101 Resp: 72047  
 Ion Ratio Lower Upper  
 101 100  
 103 60.5 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 19.655 ug/l  
 RT: 3.822 min Scan# 312  
 Delta R.T. 0.000 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

Tgt Ion: 74 Resp: 24236  
 Ion Ratio Lower Upper  
 74 100  
 45 89.9 17.6 158.8

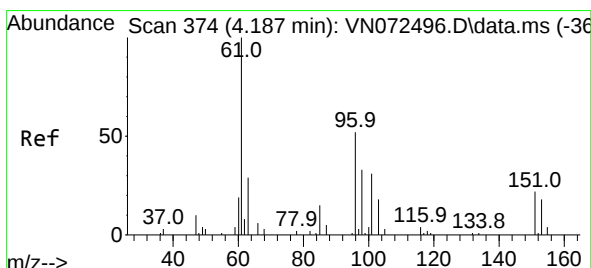
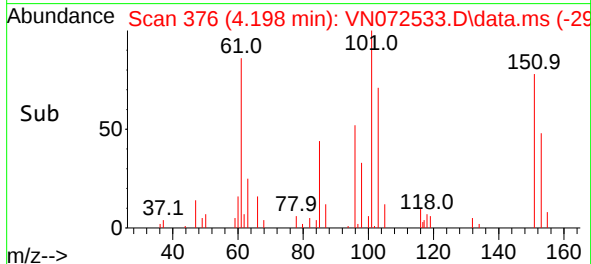
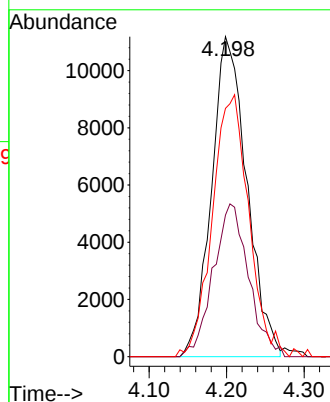
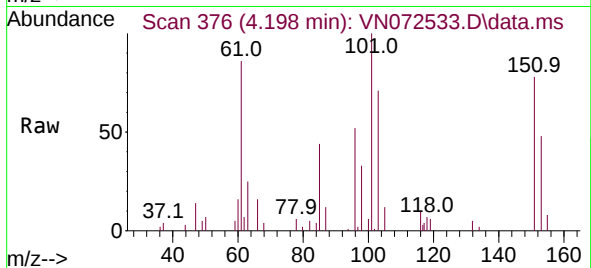




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.344 ug/l  
 RT: 4.198 min Scan# 31  
 Delta R.T. -0.012 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

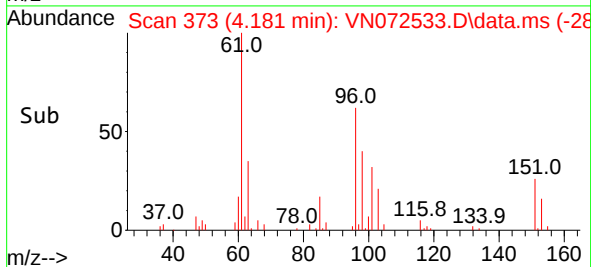
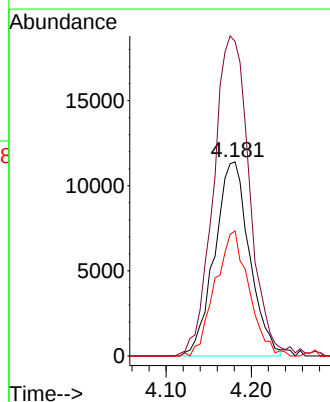
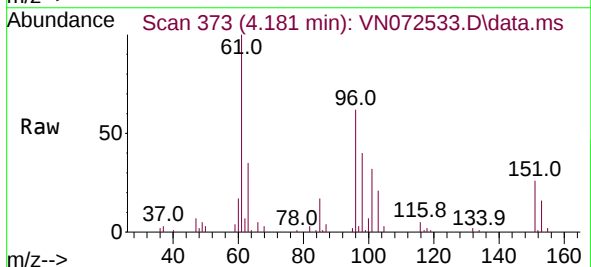
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

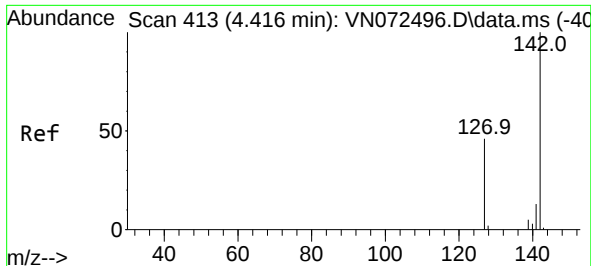
Tgt Ion:101 Resp: 35429  
 Ion Ratio Lower Upper  
 101 100  
 85 47.8 0.0 94.0  
 151 82.8 0.0 74.6#



#10  
 1,1-Dichloroethene  
 Concen: 18.629 ug/l  
 RT: 4.181 min Scan# 373  
 Delta R.T. -0.006 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

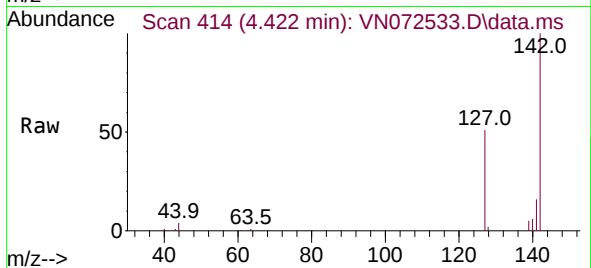
Tgt Ion: 96 Resp: 32443  
 Ion Ratio Lower Upper  
 96 100  
 61 160.7 126.2 189.4  
 98 64.4 50.9 76.3



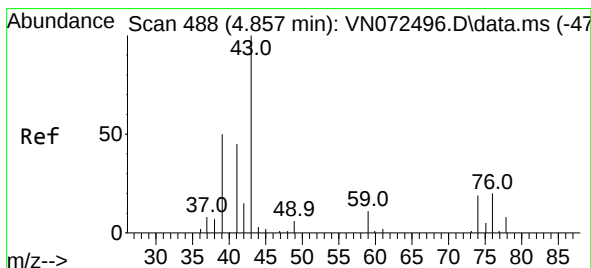
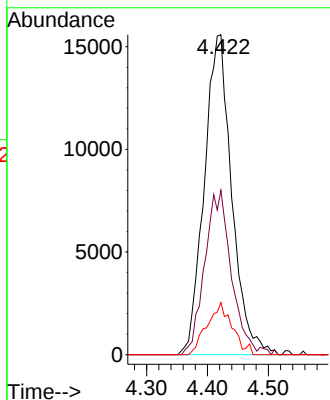
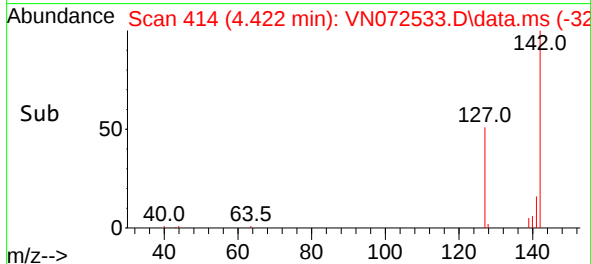


#11  
Methyl Iodide  
Concen: 18.671 ug/l  
RT: 4.422 min Scan# 413  
Delta R.T. 0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

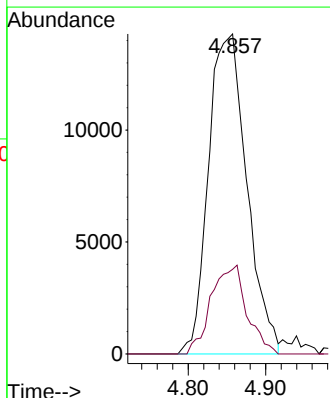
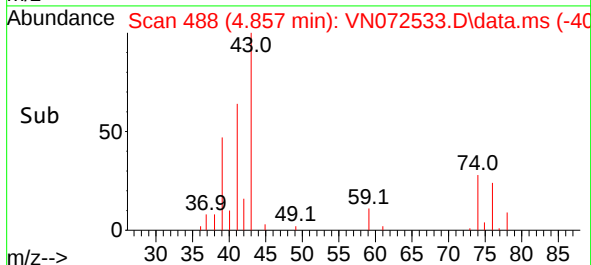
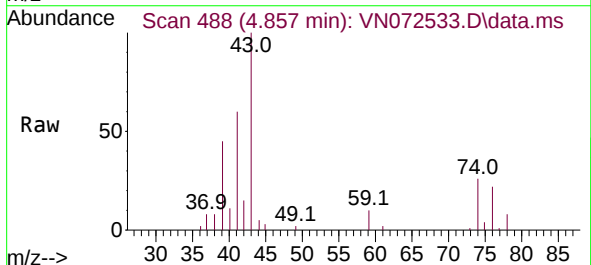


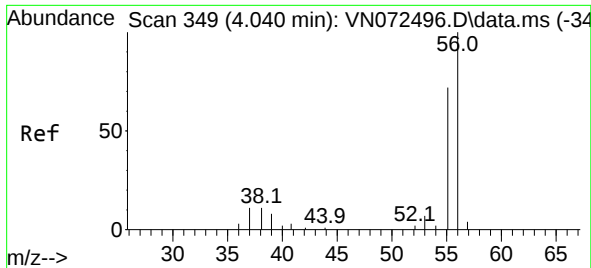
Tgt Ion:142 Resp: 48967  
Ion Ratio Lower Upper  
142 100  
127 51.3 24.0 72.0  
141 16.3 8.4 25.2



#12  
Methyl Acetate  
Concen: 17.430 ug/l  
RT: 4.857 min Scan# 488  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 43 Resp: 49107  
Ion Ratio Lower Upper  
43 100  
74 26.9 20.8 31.2

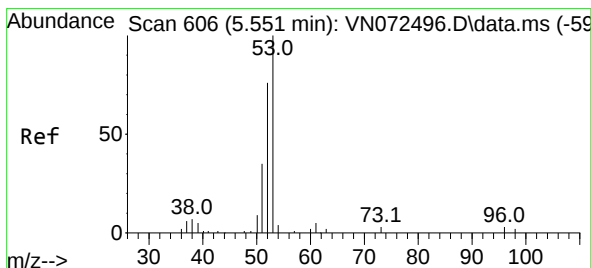
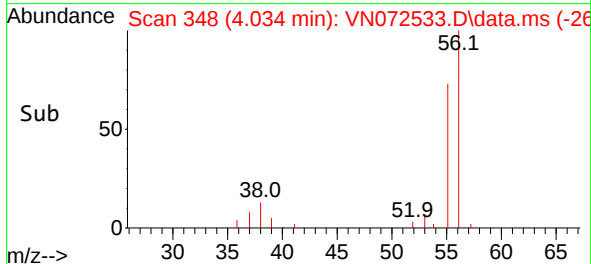
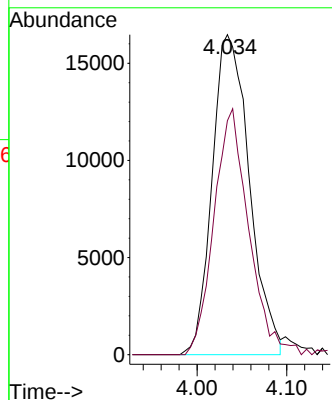
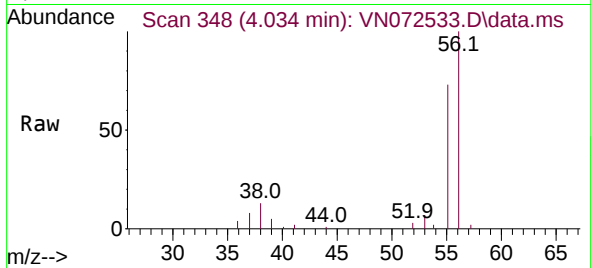




#13  
Acrolein  
Concen: 107.099 ug/l  
RT: 4.034 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

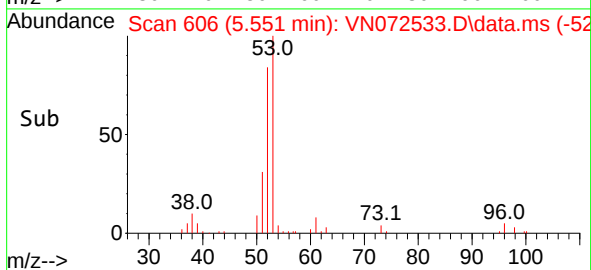
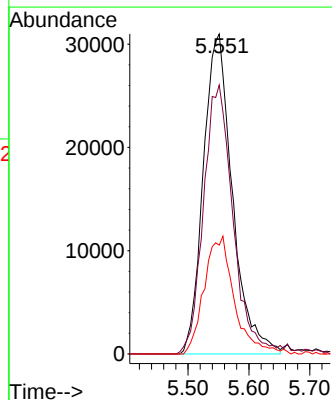
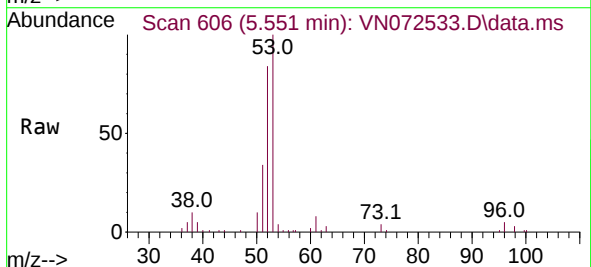
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

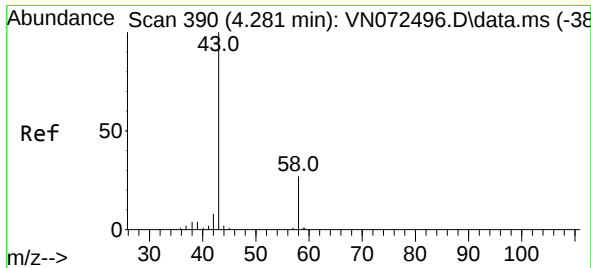
Tgt Ion: 56 Resp: 47411  
Ion Ratio Lower Upper  
56 100  
55 71.1 57.6 86.4



#14  
Acrylonitrile  
Concen: 86.564 ug/l  
RT: 5.551 min Scan# 606  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 53 Resp: 102894  
Ion Ratio Lower Upper  
53 100  
52 85.2 41.8 125.4  
51 20.4 19.0 57.0





#15

Acetone

Concen: 45.834 ug/l

RT: 4.281 min Scan# 390

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

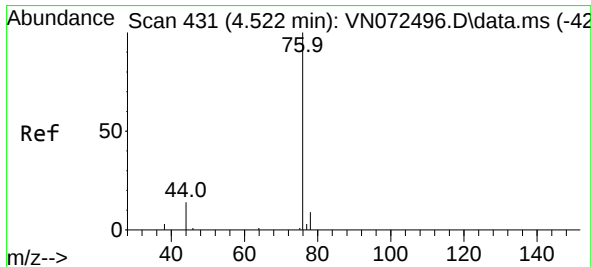
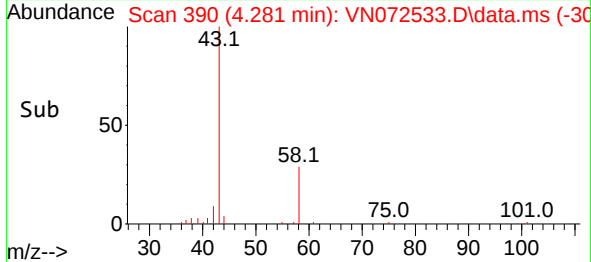
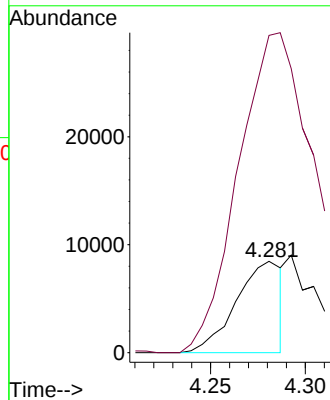
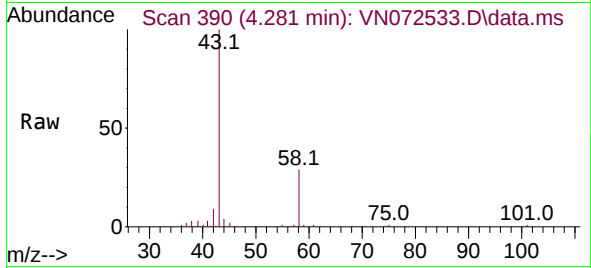
VSTDCCC020EC

Tgt Ion: 58 Resp: 14286

Ion Ratio Lower Upper

58 100

43 347.2 256.6 384.8



#16

Carbon Disulfide

Concen: 18.046 ug/l

RT: 4.528 min Scan# 432

Delta R.T. 0.006 min

Lab File: VN072533.D

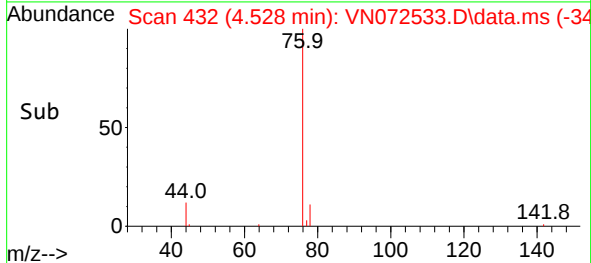
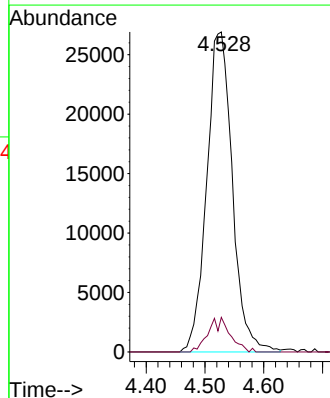
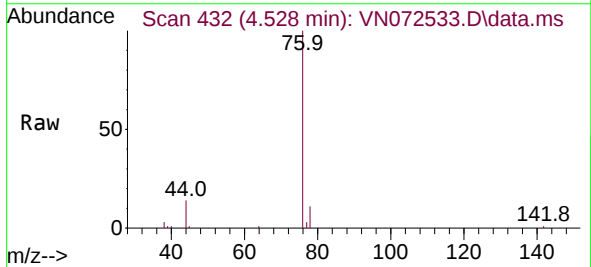
Acq: 17 May 2022 17:05

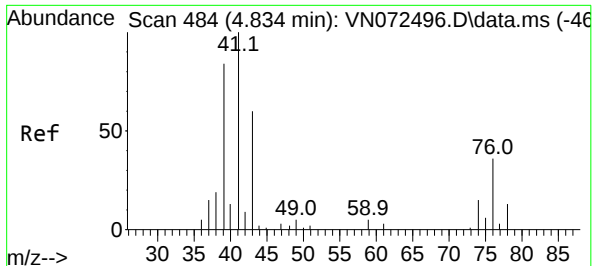
Tgt Ion: 76 Resp: 81521

Ion Ratio Lower Upper

76 100

78 10.8 7.8 11.8





#17

Allyl chloride

Concen: 17.600 ug/l

RT: 4.828 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

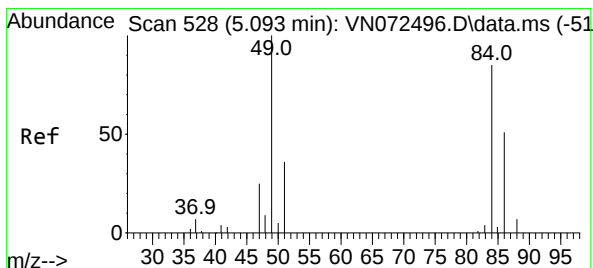
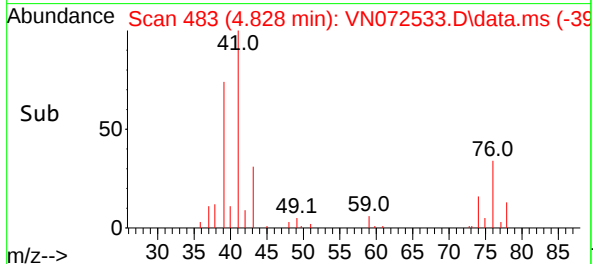
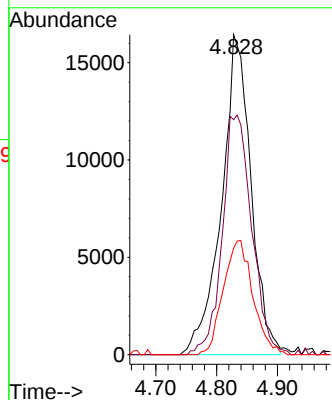
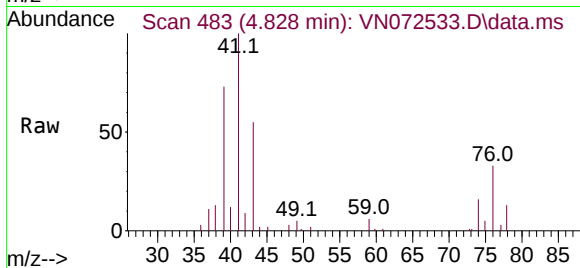
Tgt Ion: 41 Resp: 55327

Ion Ratio Lower Upper

41 100

39 73.4 44.6 134.0

76 33.3 19.6 58.7



#18

Methylene Chloride

Concen: 20.099 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Tgt Ion: 84 Resp: 41431

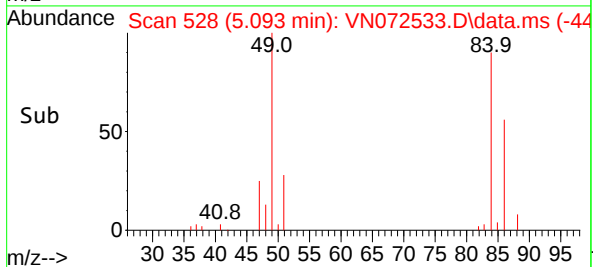
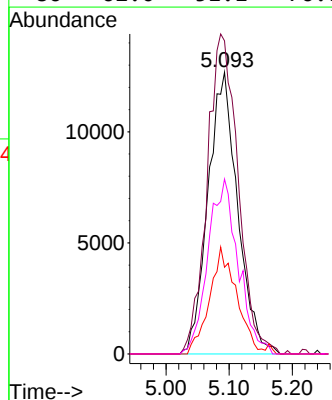
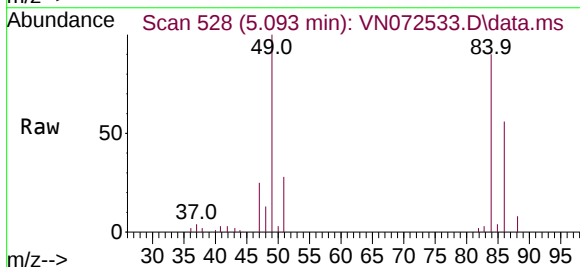
Ion Ratio Lower Upper

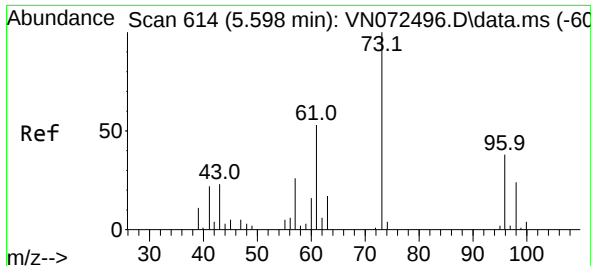
84 100

49 111.1 91.4 137.0

51 30.8 29.4 44.0

86 62.0 51.1 76.7





#19

trans-1,2-Dichloroethene

Concen: 18.949 ug/l

RT: 5.593 min Scan# 614

Delta R.T. -0.006 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

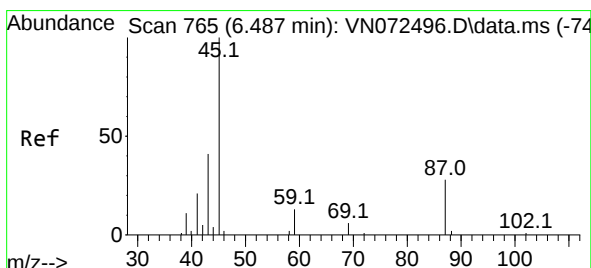
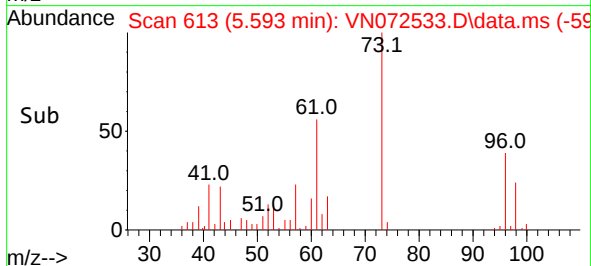
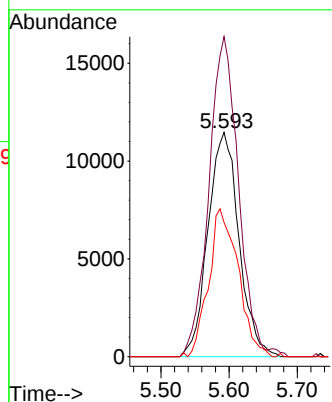
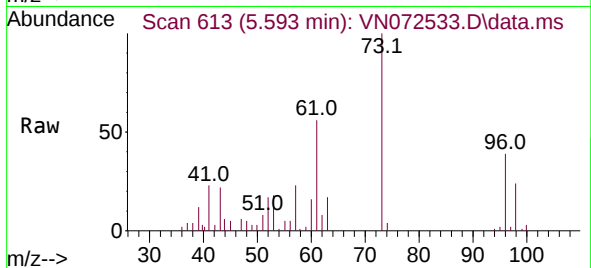
Tgt Ion: 96 Resp: 36245

Ion Ratio Lower Upper

96 100

61 142.7 102.8 154.2

98 59.9 49.3 73.9



#20

Diisopropyl ether

Concen: 19.490 ug/l

RT: 6.487 min Scan# 765

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Tgt Ion: 45 Resp: 127372

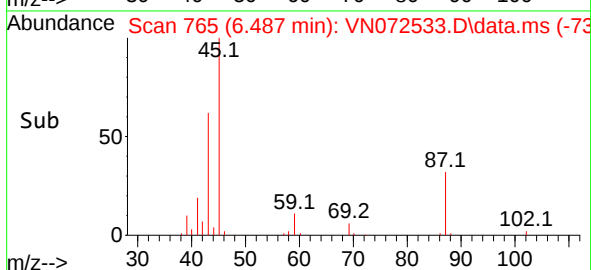
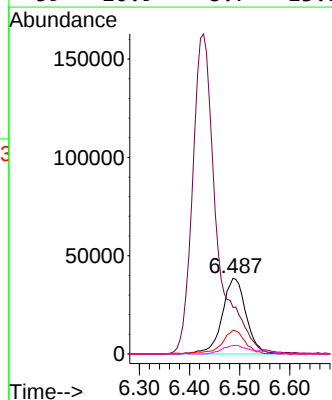
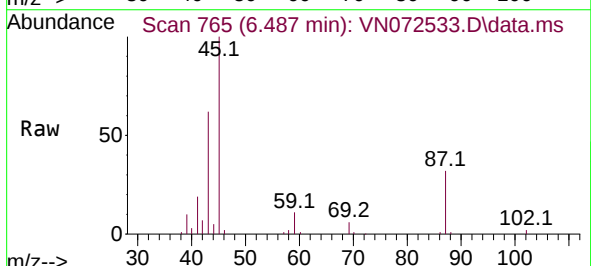
Ion Ratio Lower Upper

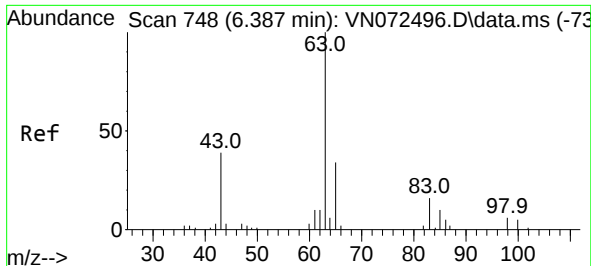
45 100

43 59.1 51.0 76.4

87 31.6 25.0 37.4

59 10.9 8.7 13.1





#21

1,1-Dichloroethane

Concen: 18.438 ug/l

RT: 6.387 min Scan# 74

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

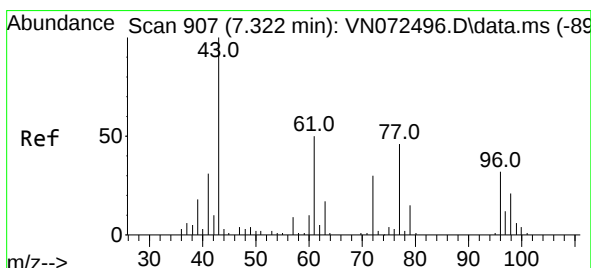
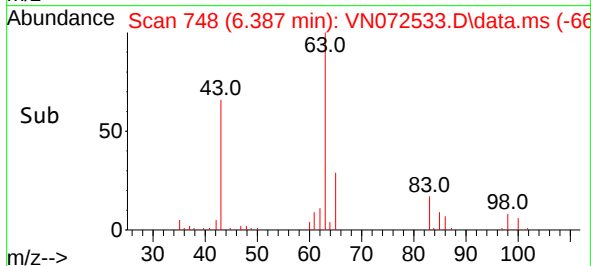
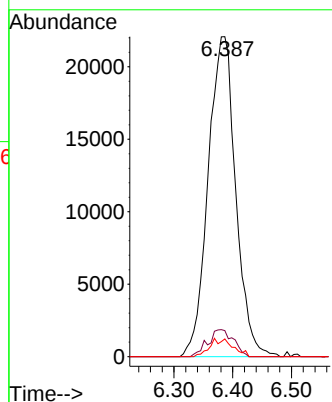
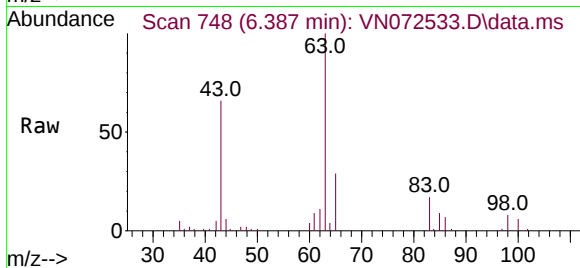
Tgt Ion: 63 Resp: 72057

Ion Ratio Lower Upper

63 100

98 8.1 3.2 9.6

100 5.5 2.1 6.2



#22

cis-1,2-Dichloroethene

Concen: 19.162 ug/l

RT: 7.316 min Scan# 906

Delta R.T. -0.006 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

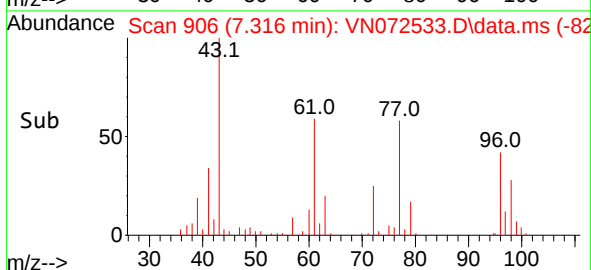
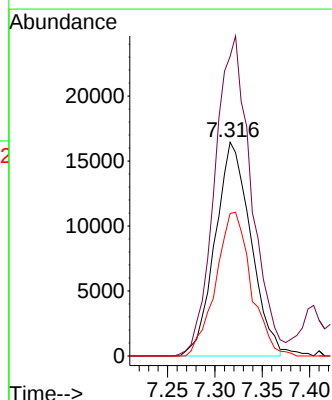
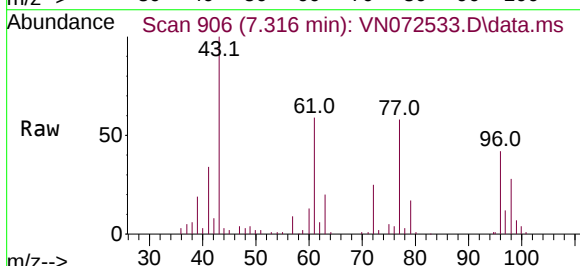
Tgt Ion: 96 Resp: 43034

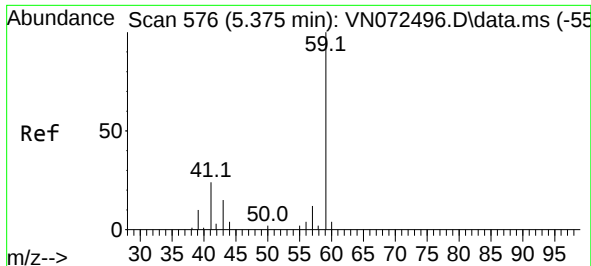
Ion Ratio Lower Upper

96 100

61 153.9 115.7 173.5

98 66.5 51.6 77.4

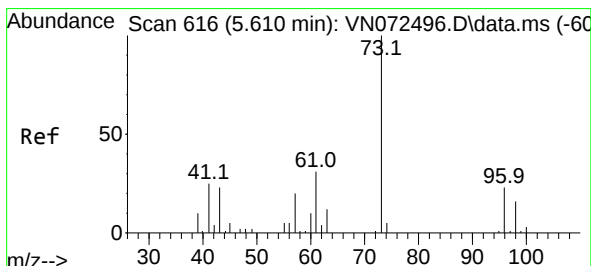
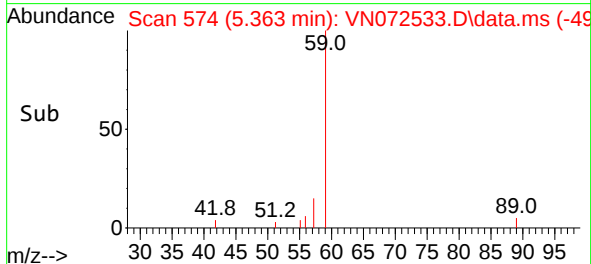
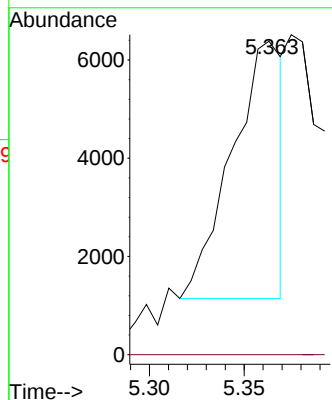
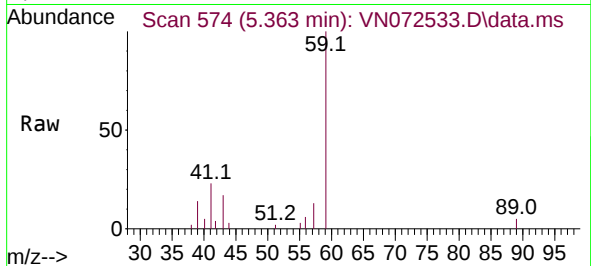




#23  
tert-Butyl Alcohol  
Concen: 18.572 ug/l  
RT: 5.363 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

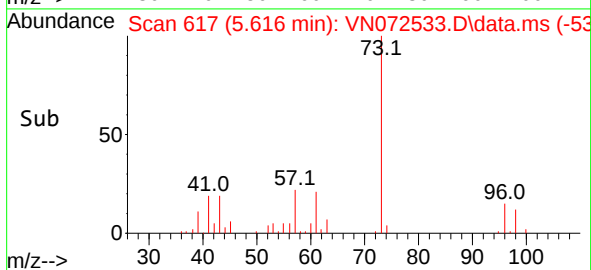
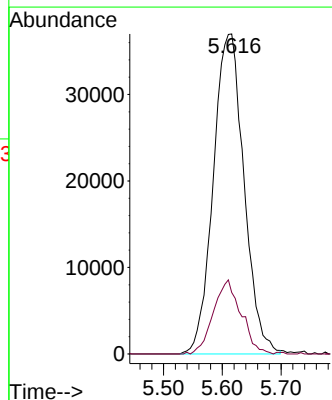
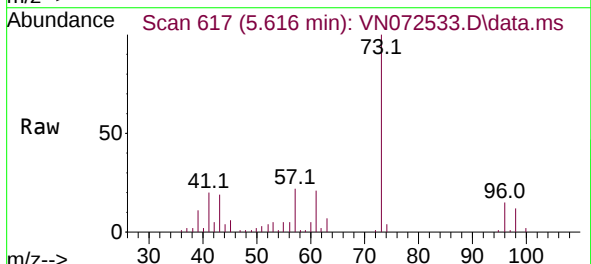
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

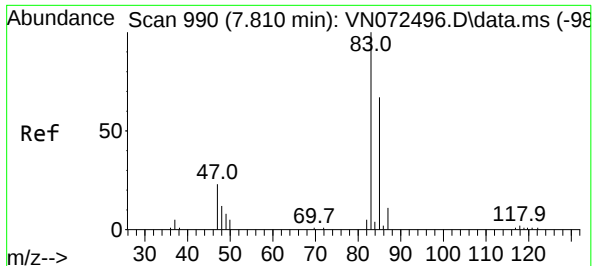
Tgt Ion: 59 Resp: 9683  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 18.781 ug/l  
RT: 5.616 min Scan# 617  
Delta R.T. 0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 73 Resp: 134181  
Ion Ratio Lower Upper  
73 100  
43 20.8 18.1 27.1

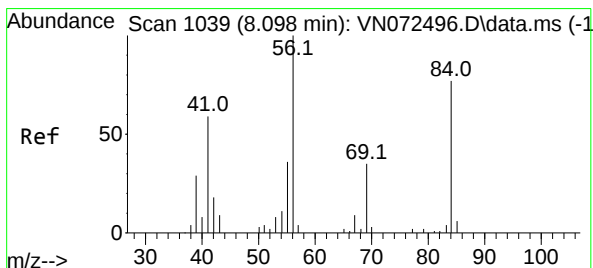
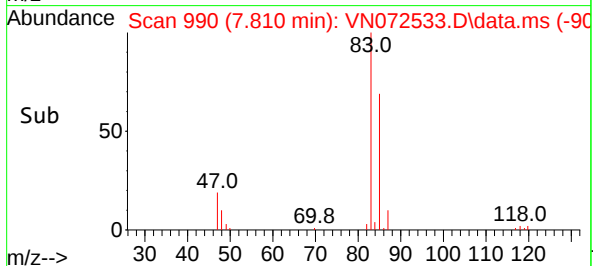
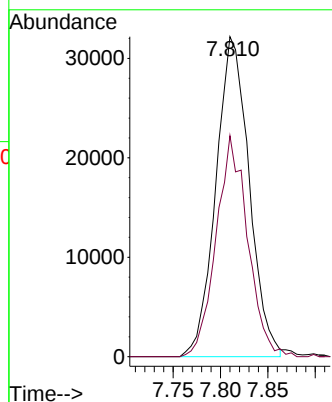
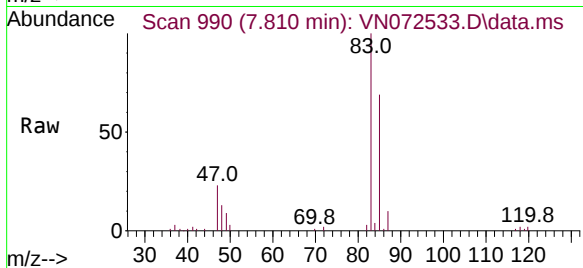




#25  
Chloroform  
Concen: 18.647 ug/l  
RT: 7.810 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

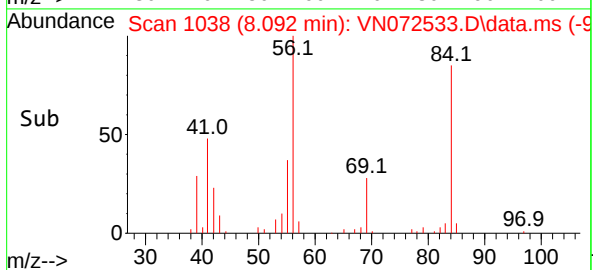
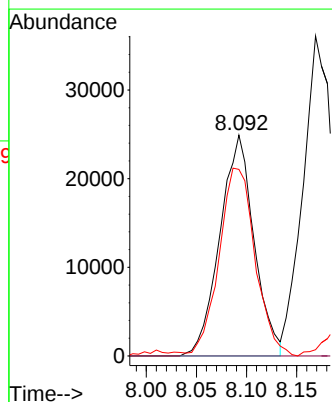
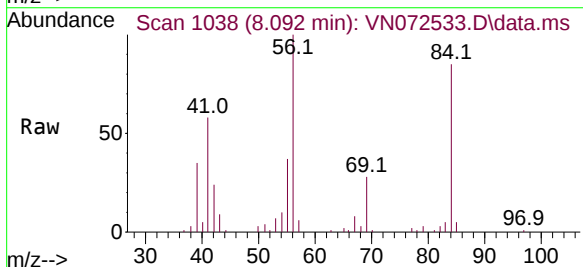
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

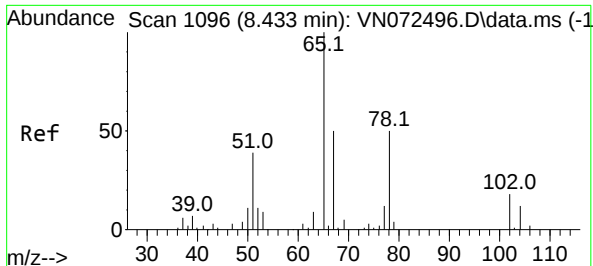
Tgt Ion: 83 Resp: 78594  
Ion Ratio Lower Upper  
83 100  
85 69.0 51.3 76.9



#26  
Cyclohexane  
Concen: 18.662 ug/l  
RT: 8.092 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 56 Resp: 59187  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 89.6 74.6 111.8

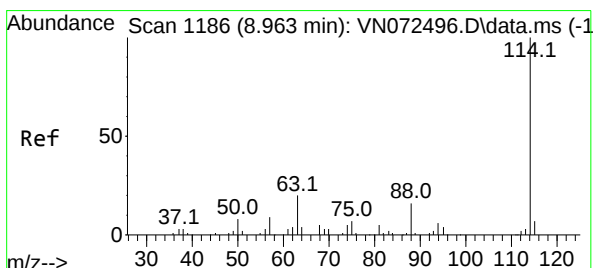
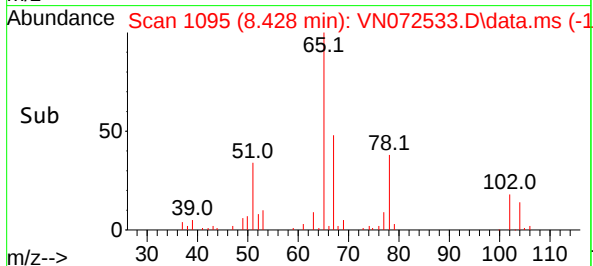
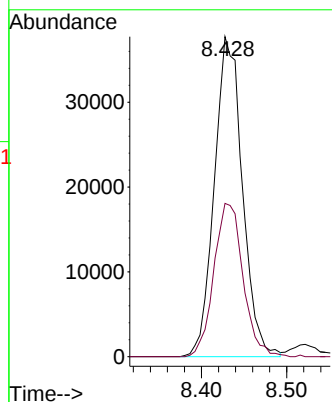
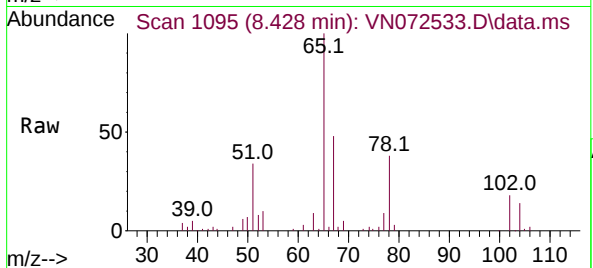




#27  
1,2-Dichloroethane-d4  
Concen: 28.009 ug/l  
RT: 8.428 min Scan# 1095  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

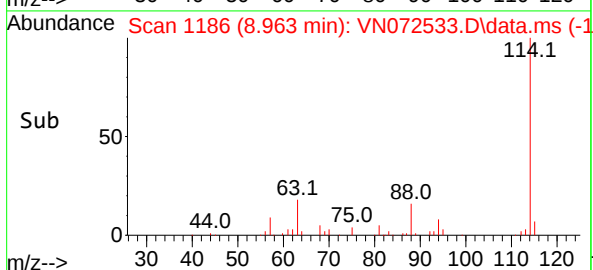
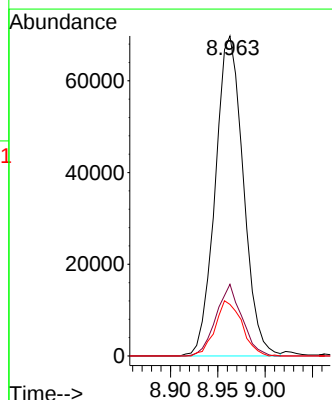
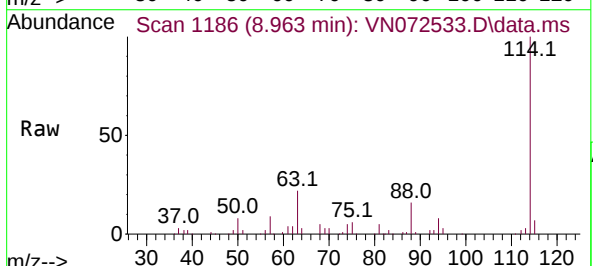
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

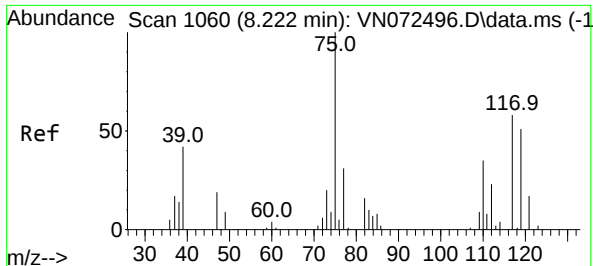
Tgt Ion: 65 Resp: 86355  
Ion Ratio Lower Upper  
65 100  
67 49.8 40.2 60.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 114 Resp: 143797  
Ion Ratio Lower Upper  
114 100  
63 20.7 15.8 23.6  
88 16.5 11.6 17.4

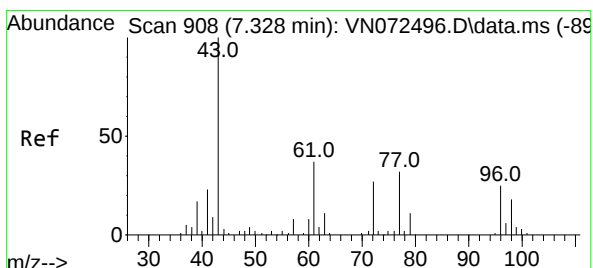
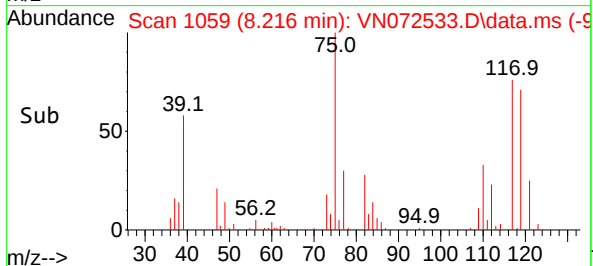
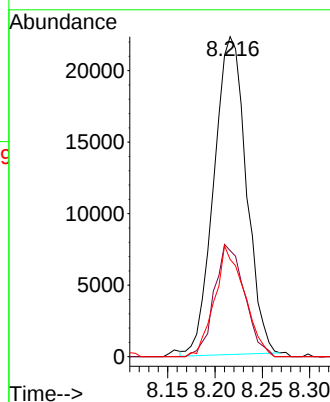
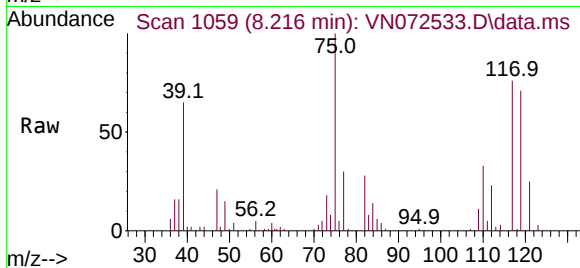




#29  
1,1-Dichloropropene  
Concen: 18.484 ug/l  
RT: 8.216 min Scan# 1059  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

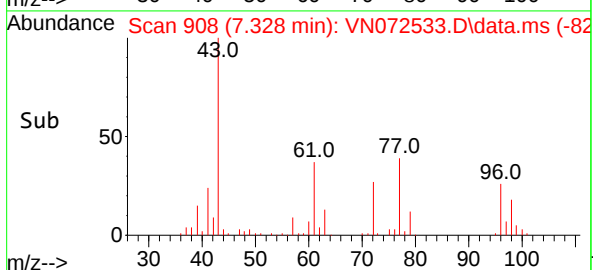
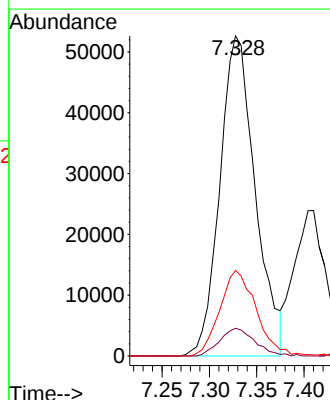
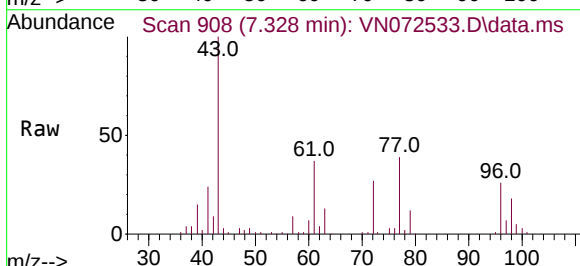
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

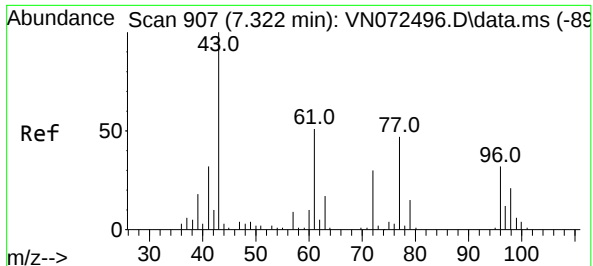
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 52934 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.0  | 0.0   | 74.2  |
| 77       | 32.0  | 0.0   | 63.2  |



#30  
2-Butanone  
Concen: 82.570 ug/l  
RT: 7.328 min Scan# 908  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 136861 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 57       | 8.5   | 6.7   | 10.1   |
| 72       | 27.2  | 23.2  | 34.8   |

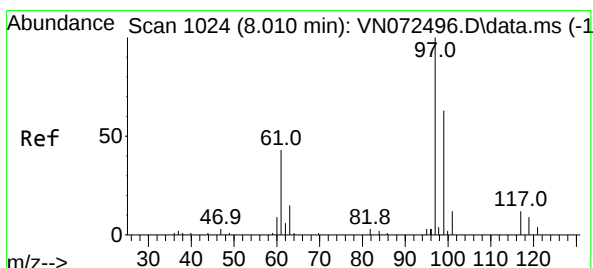
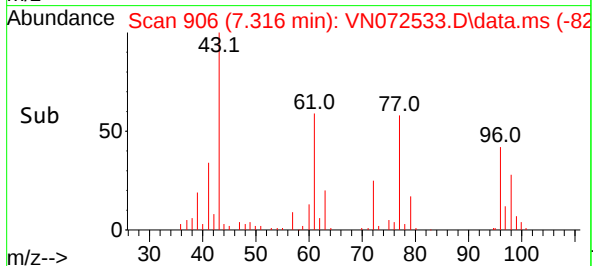
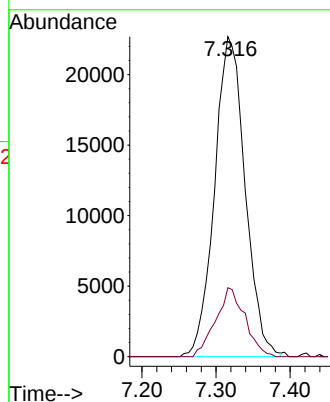
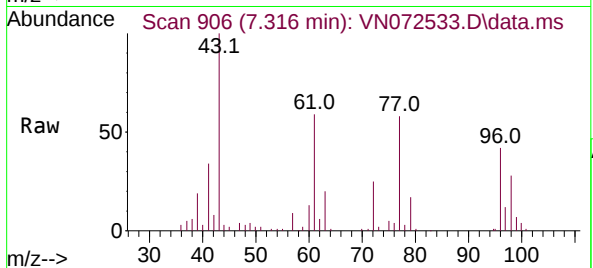




#31  
2,2-Dichloropropane  
Concen: 18.273 ug/l  
RT: 7.316 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

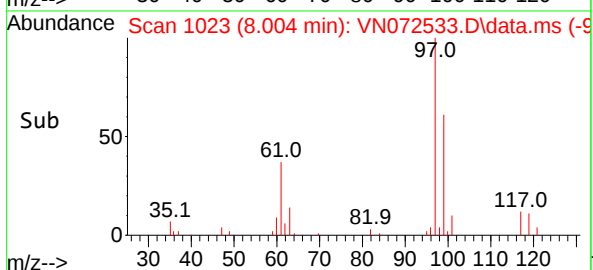
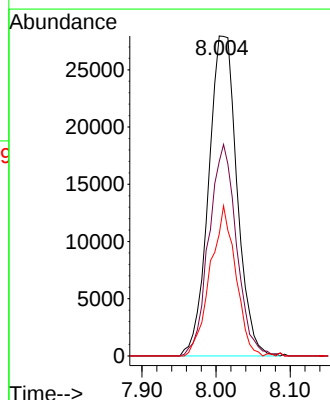
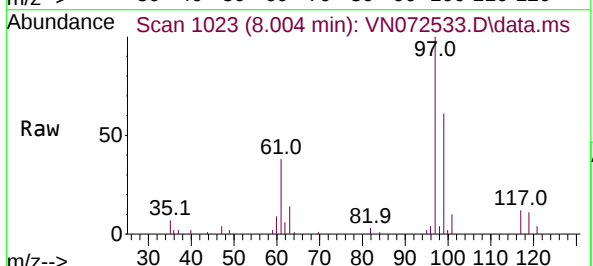
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

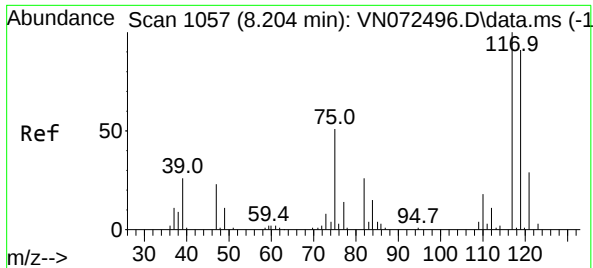
Tgt Ion: 77 Resp: 64922  
Ion Ratio Lower Upper  
77 100  
97 20.6 18.3 27.5



#32  
1,1,1-Trichloroethane  
Concen: 18.296 ug/l  
RT: 8.004 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 97 Resp: 74736  
Ion Ratio Lower Upper  
97 100  
99 63.9 50.4 75.6  
61 42.0 34.6 51.8

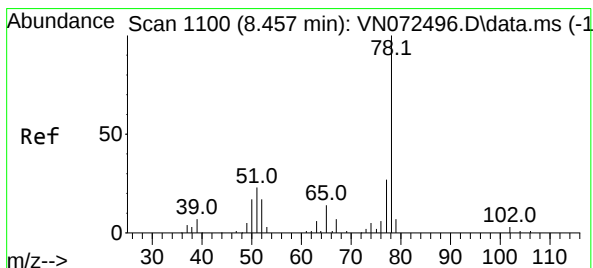
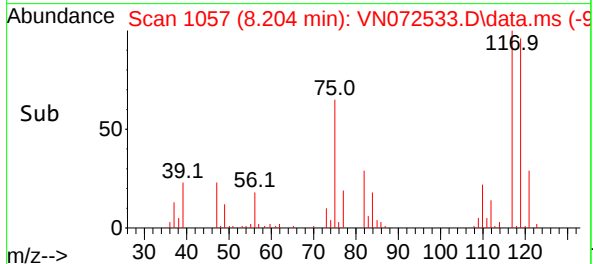
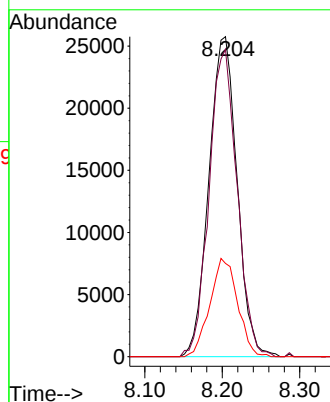
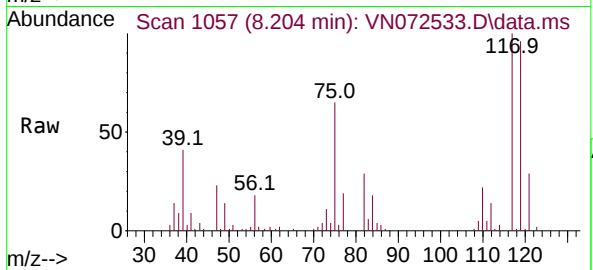




#33  
Carbon Tetrachloride  
Concen: 17.928 ug/l  
RT: 8.204 min Scan# 1098  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

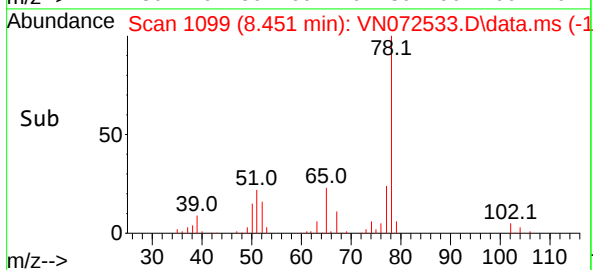
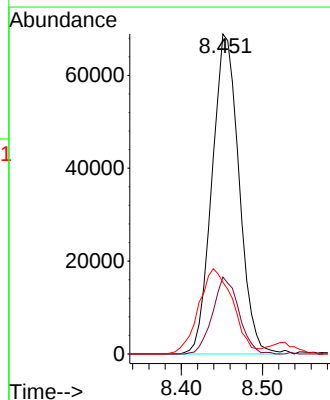
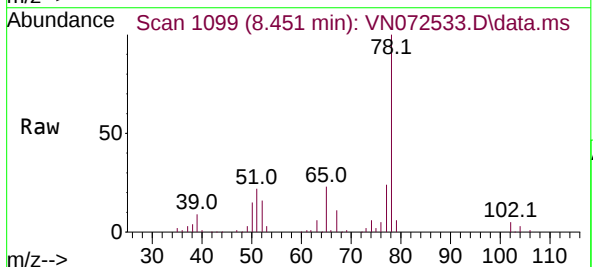
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

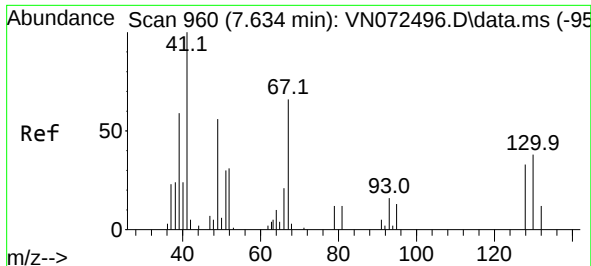
Tgt Ion:117 Resp: 65081  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.5 116.3  
121 29.1 23.5 35.3



#34  
Benzene  
Concen: 19.547 ug/l  
RT: 8.451 min Scan# 1099  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 78 Resp: 159061  
Ion Ratio Lower Upper  
78 100  
77 24.0 19.1 28.7  
51 20.6 16.0 24.0

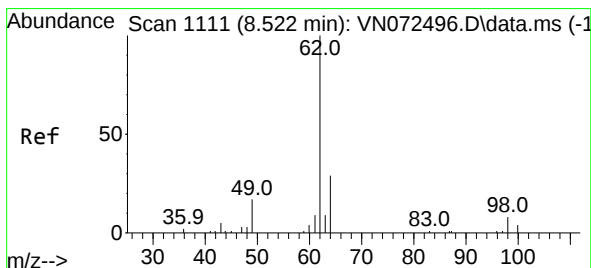
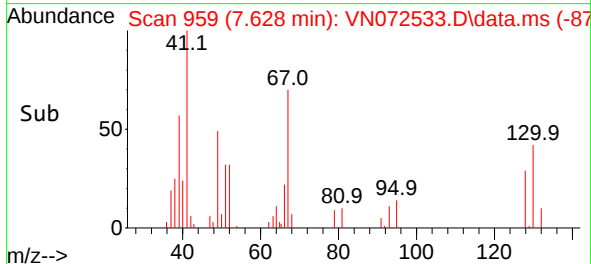
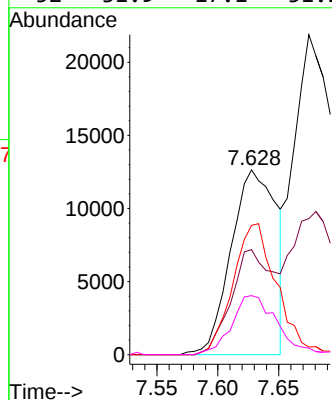
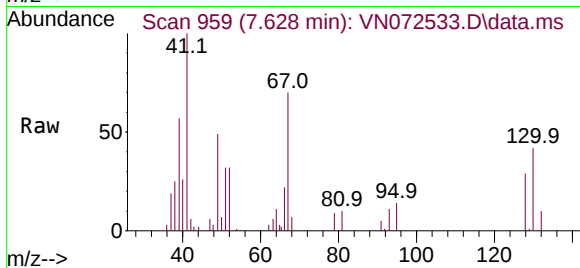




#35  
Methacrylonitrile  
Concen: 18.684 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

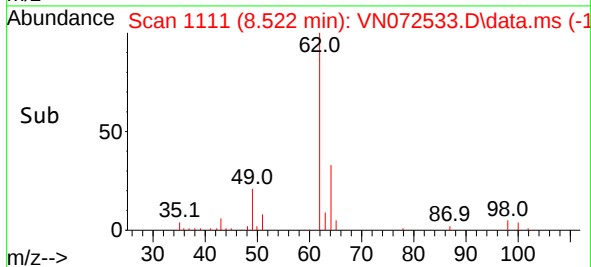
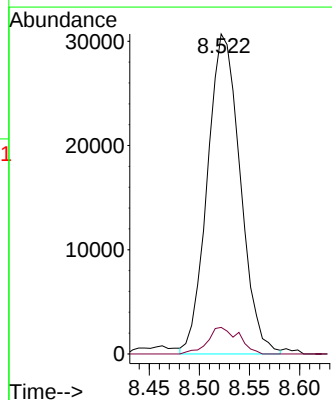
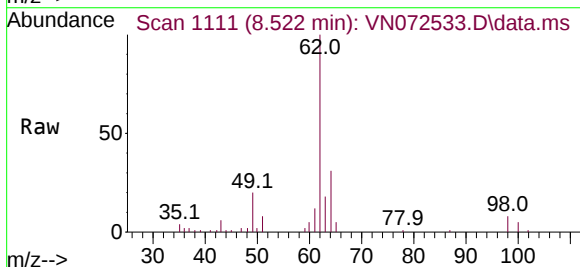
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

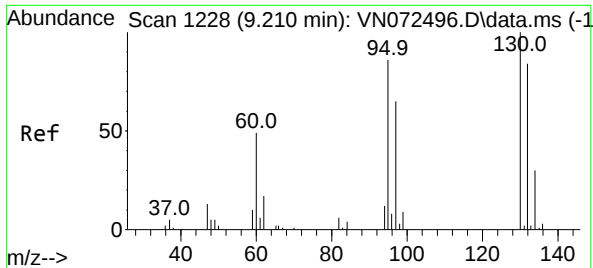
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 32744 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.9  | 28.0  | 83.9  |
| 67       | 70.0  | 37.7  | 113.1 |
| 52       | 31.9  | 17.1  | 51.2  |



#36  
1,2-Dichloroethane  
Concen: 18.495 ug/l  
RT: 8.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 70091 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 6.0   | 6.6   | 10.0# |

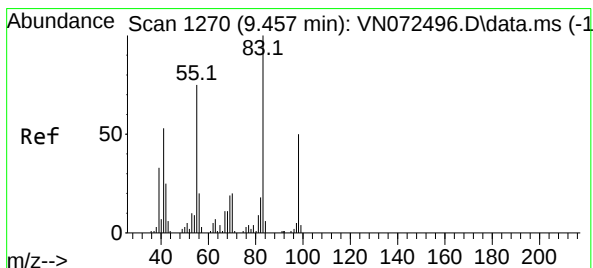
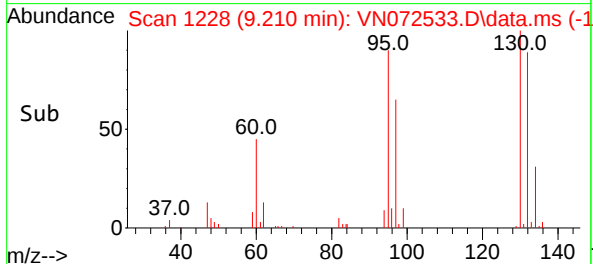
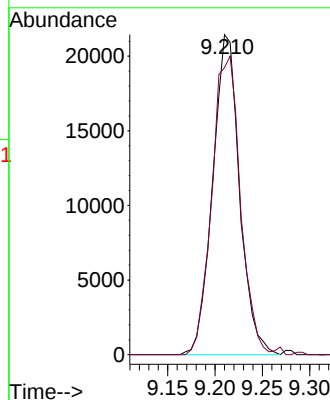
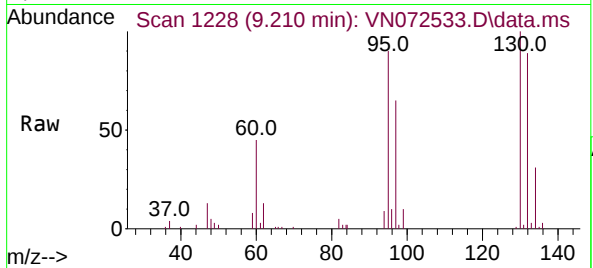




#37  
Trichloroethene  
Concen: 19.165 ug/l  
RT: 9.210 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

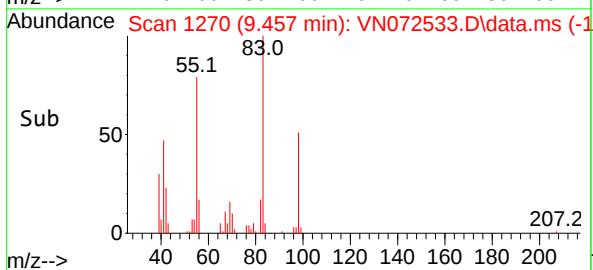
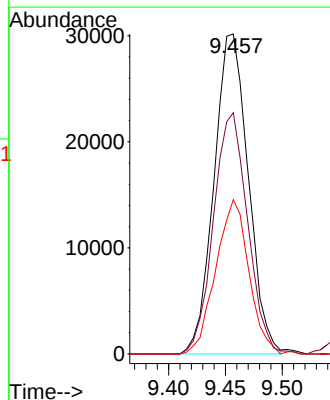
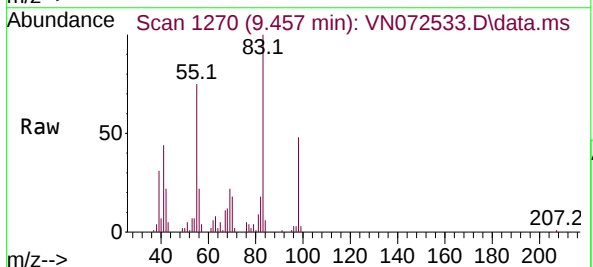
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

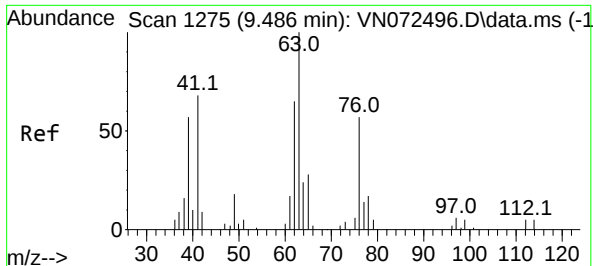
Tgt Ion:130 Resp: 42310  
Ion Ratio Lower Upper  
130 100  
95 89.7 76.6 115.0



#38  
Methylcyclohexane  
Concen: 19.072 ug/l  
RT: 9.457 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 83 Resp: 63147  
Ion Ratio Lower Upper  
83 100  
55 75.3 35.1 105.3  
98 46.5 23.4 70.2





#39

1,2-Dichloropropane

Concen: 19.970 ug/l

RT: 9.486 min Scan# 1275

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

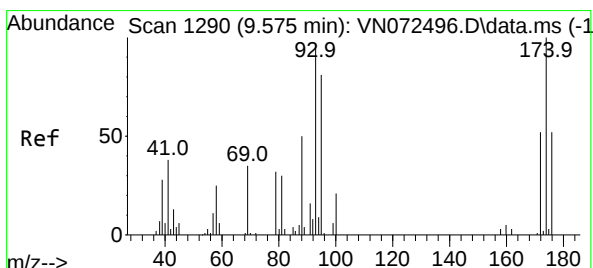
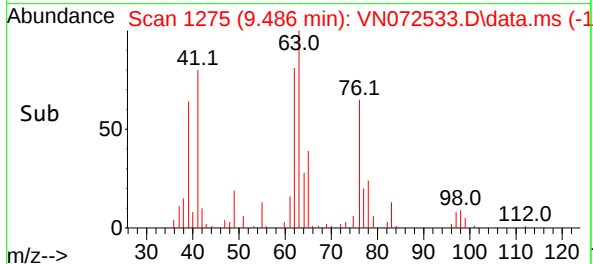
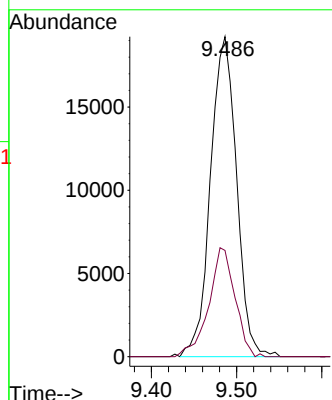
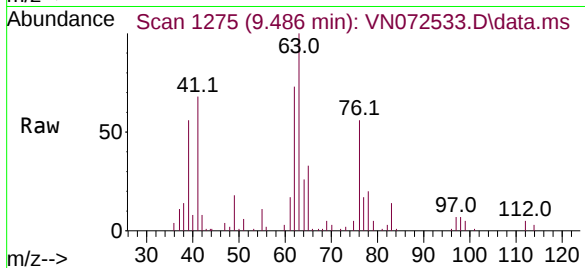
VSTDCCC020EC

Tgt Ion: 63 Resp: 40934

Ion Ratio Lower Upper

63 100

65 33.2 24.2 36.4



#40

Dibromomethane

Concen: 19.107 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

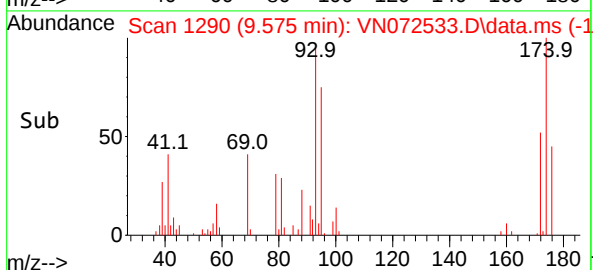
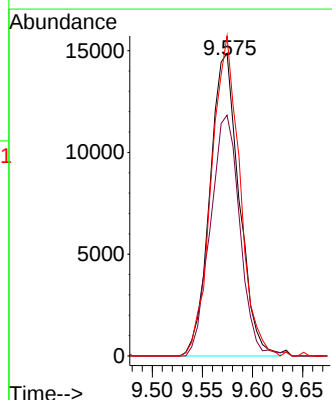
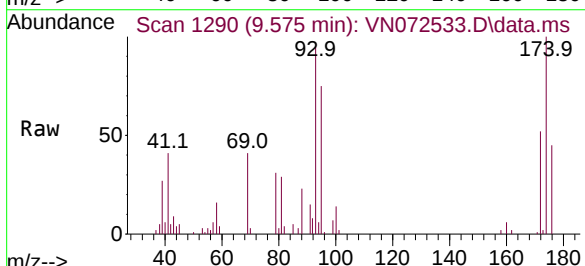
Tgt Ion: 93 Resp: 30234

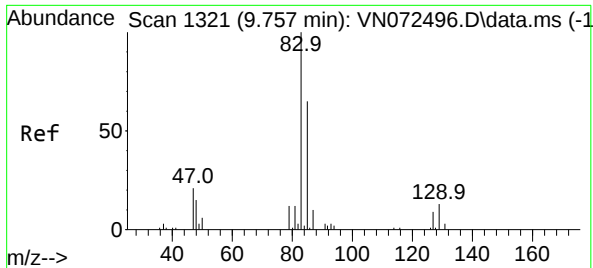
Ion Ratio Lower Upper

93 100

95 78.9 0.0 168.8

174 102.1 0.0 173.6

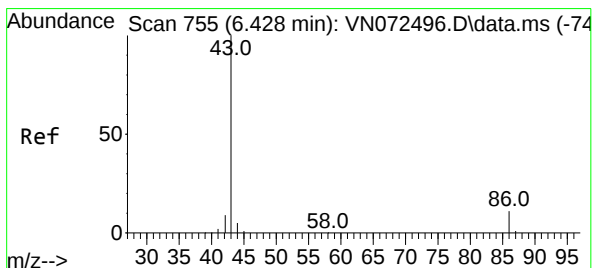
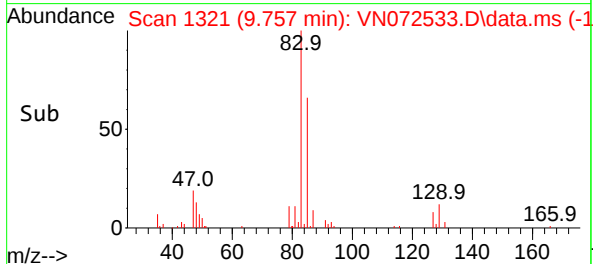
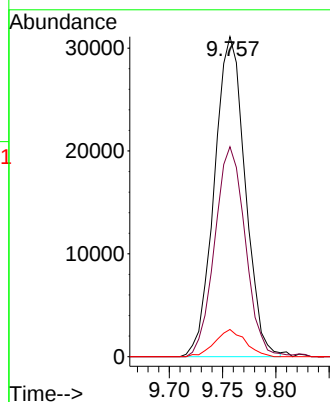
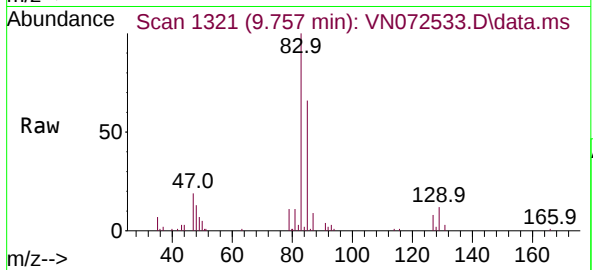




#41  
Bromodichloromethane  
Concen: 18.657 ug/l  
RT: 9.757 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

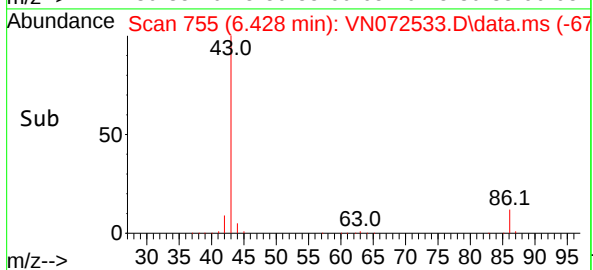
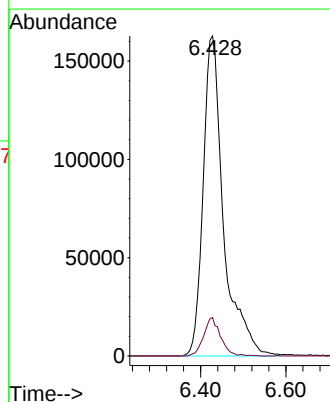
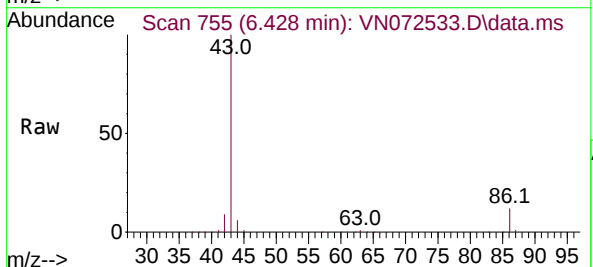
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

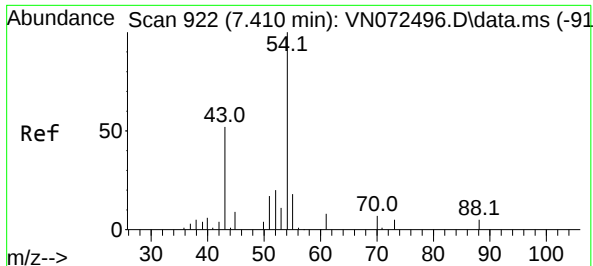
Tgt Ion: 83 Resp: 62544  
Ion Ratio Lower Upper  
83 100  
85 65.6 54.1 81.1  
127 8.5 7.6 11.4



#42  
Vinyl Acetate  
Concen: 96.995 ug/l  
RT: 6.428 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 43 Resp: 541122  
Ion Ratio Lower Upper  
43 100  
86 9.8 7.5 11.3





#43

Ethyl Acetate

Concen: 18.079 ug/l

RT: 7.410 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

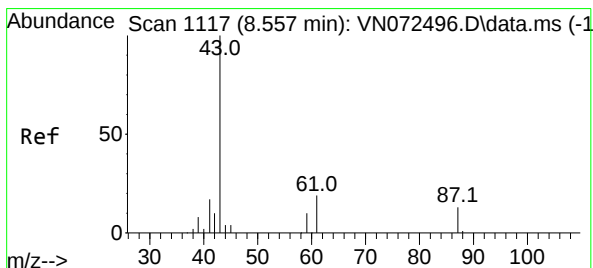
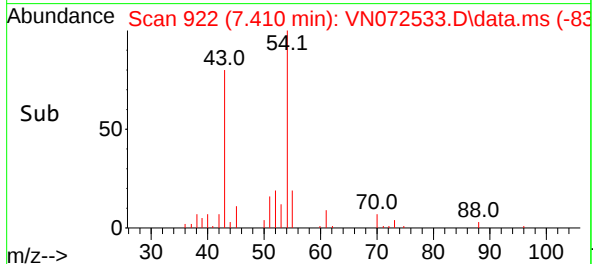
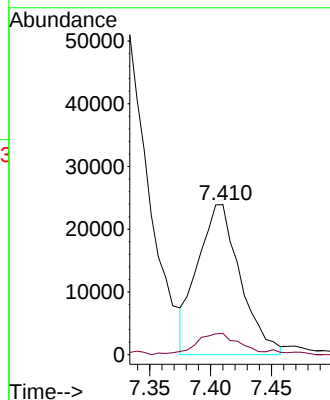
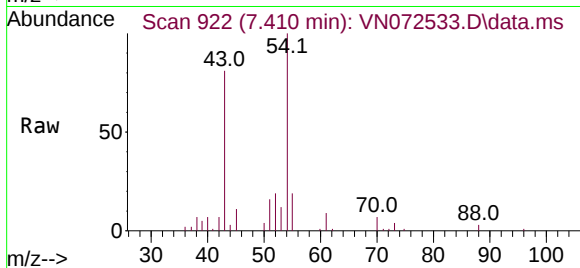
VSTDCCC020EC

Tgt Ion: 43 Resp: 58519

Ion Ratio Lower Upper

43 100

45 14.2 10.6 16.0



#44

Isopropyl Acetate

Concen: 18.366 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. 0.000 min

Lab File: VN072533.D

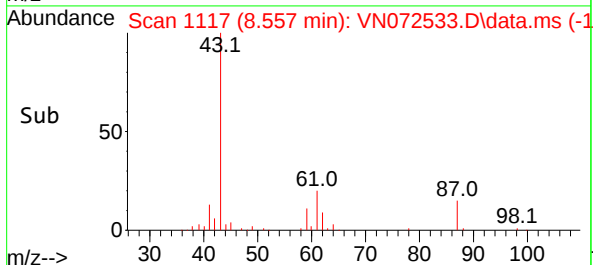
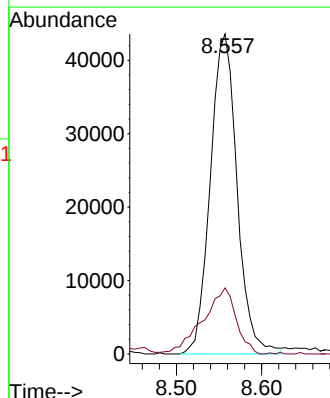
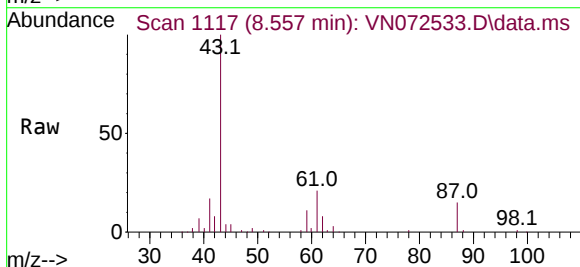
Acq: 17 May 2022 17:05

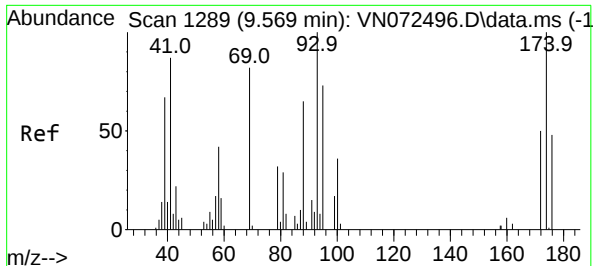
Tgt Ion: 43 Resp: 95165

Ion Ratio Lower Upper

43 100

61 25.7 20.1 30.1





#45

1,4-Dioxane

Concen: 165.000 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.006 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

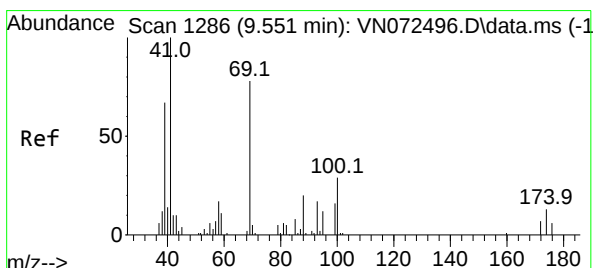
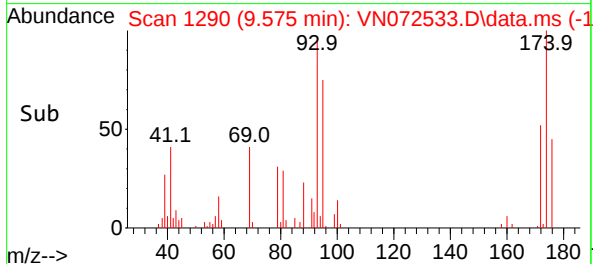
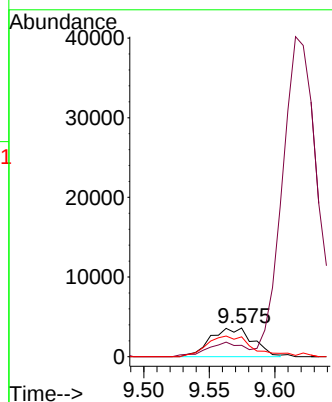
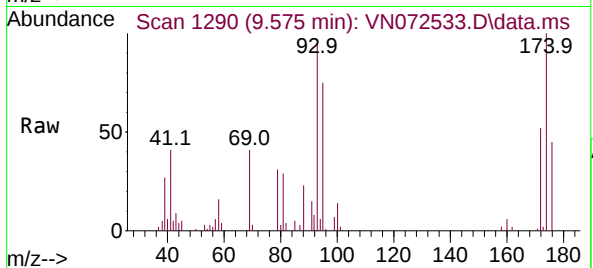
Tgt Ion: 88 Resp: 8143

Ion Ratio Lower Upper

88 100

43 30.6 25.0 37.6

58 47.6 49.4 74.2#



#46

Methyl methacrylate

Concen: 18.623 ug/l

RT: 9.551 min Scan# 1286

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

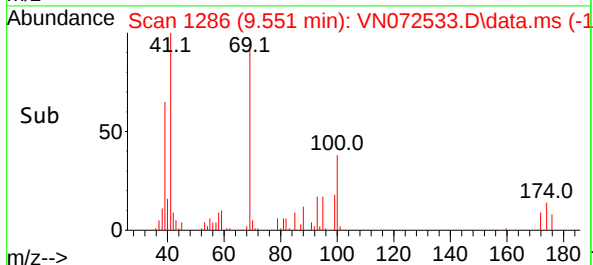
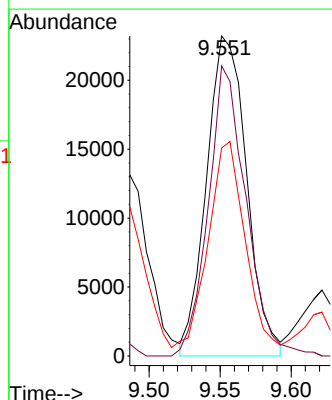
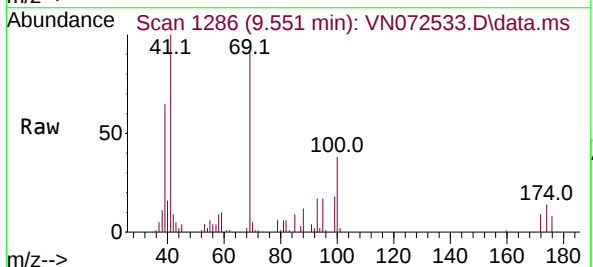
Tgt Ion: 41 Resp: 45661

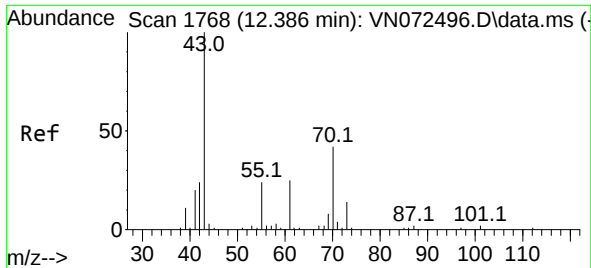
Ion Ratio Lower Upper

41 100

69 92.2 44.4 133.2

39 64.1 39.9 119.6

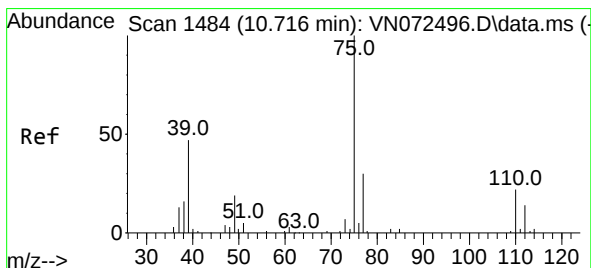
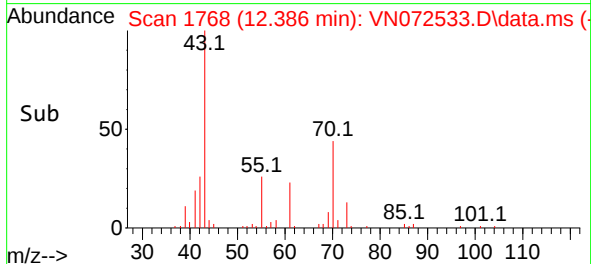
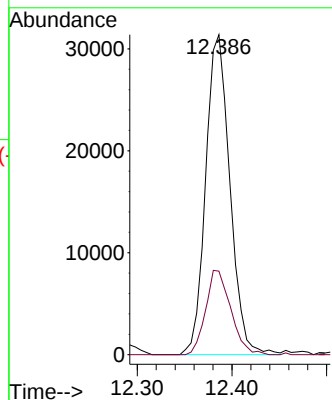
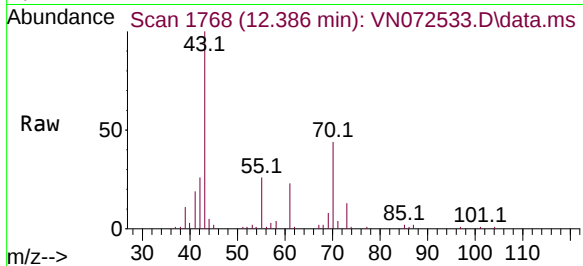




#47  
n-amy1 Acetate  
Concen: 16.074 ug/l  
RT: 12.386 min Scan# 1768  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

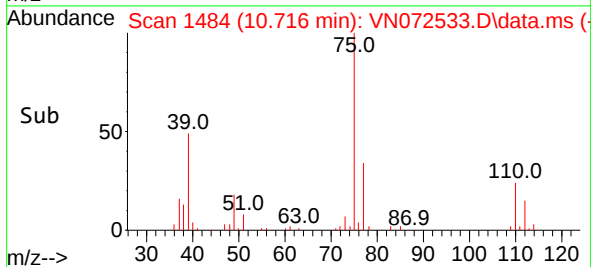
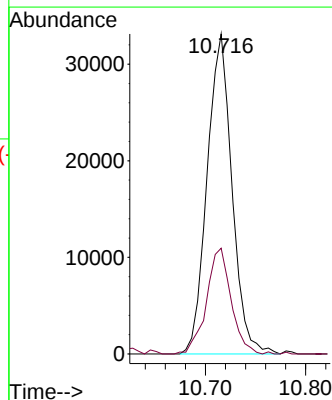
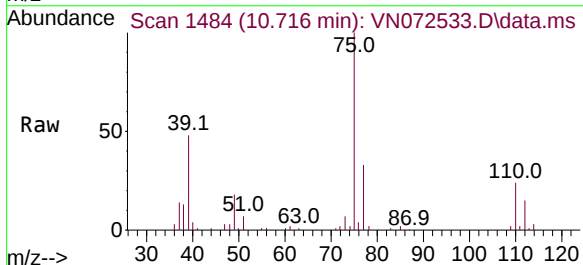
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

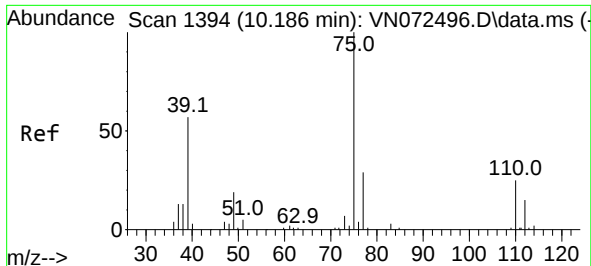
Tgt Ion: 43 Resp: 55756  
Ion Ratio Lower Upper  
43 100  
55 27.0 19.0 28.6



#48  
t-1,3-Dichloropropene  
Concen: 16.156 ug/l  
RT: 10.716 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 75 Resp: 57176  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 19.101 ug/l

RT: 10.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

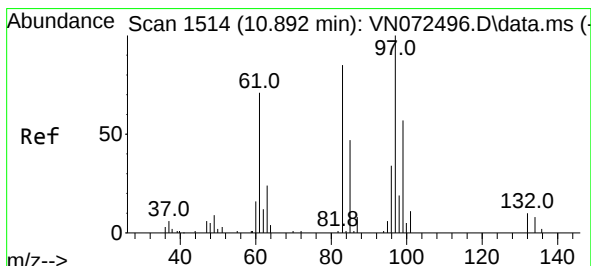
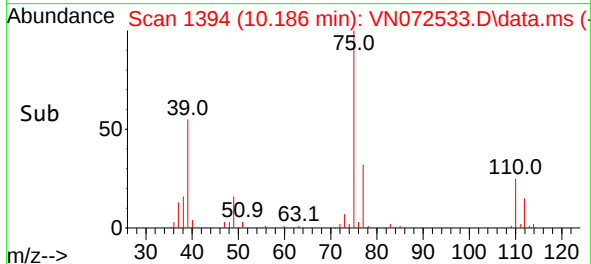
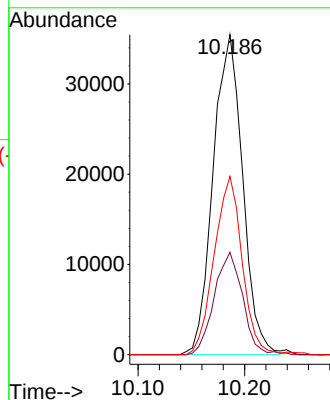
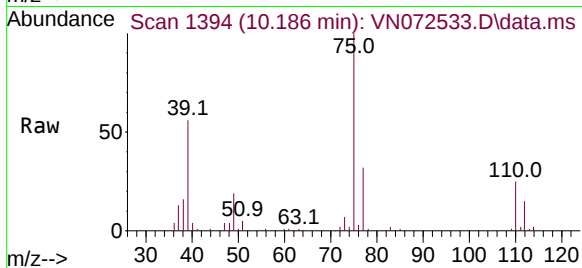
Tgt Ion: 75 Resp: 68132

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 55.7 46.2 69.4



#50

1,1,2-Trichloroethane

Concen: 17.209 ug/l

RT: 10.892 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Tgt Ion: 97 Resp: 37559

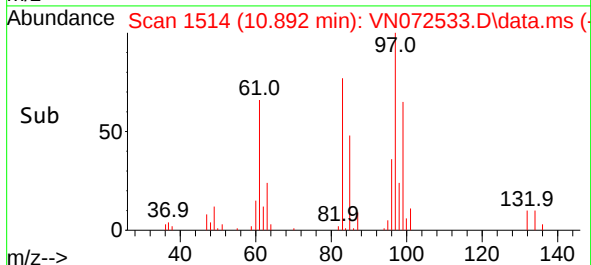
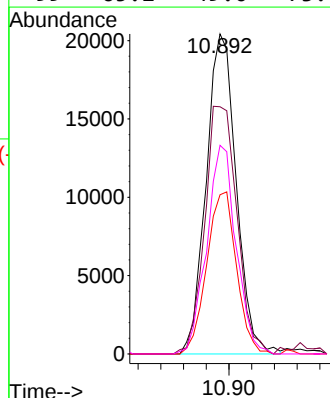
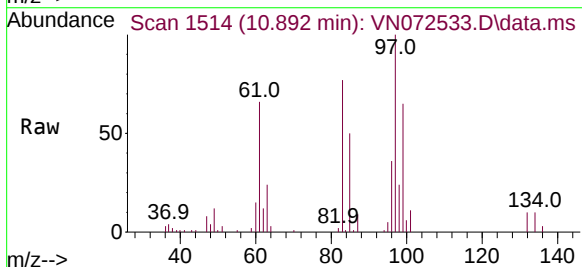
Ion Ratio Lower Upper

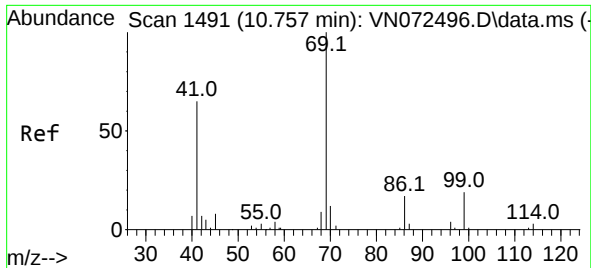
97 100

83 75.9 67.2 100.8

85 49.7 43.0 64.4

99 65.2 49.0 73.4

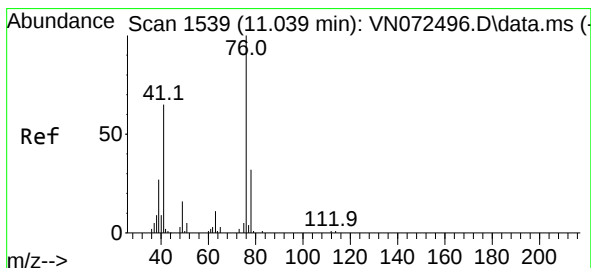
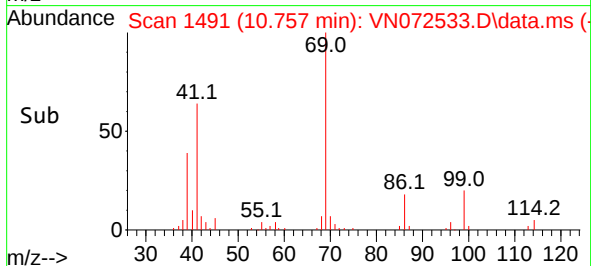
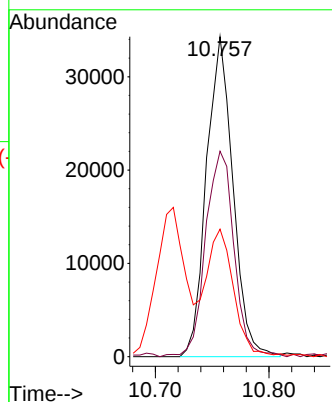
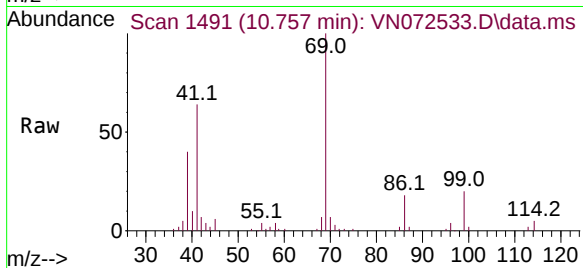




#51  
Ethyl methacrylate  
Concen: 16.345 ug/l  
RT: 10.757 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

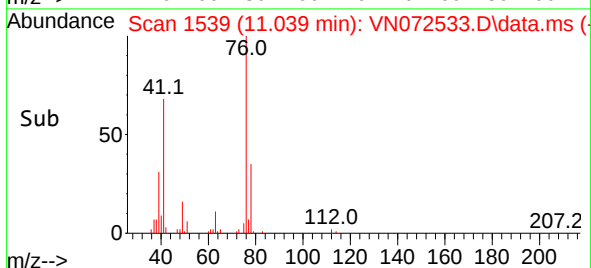
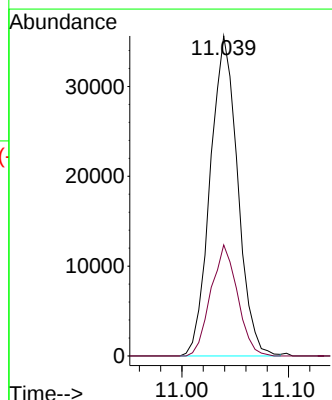
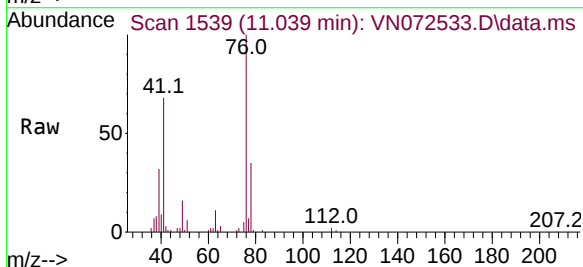
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

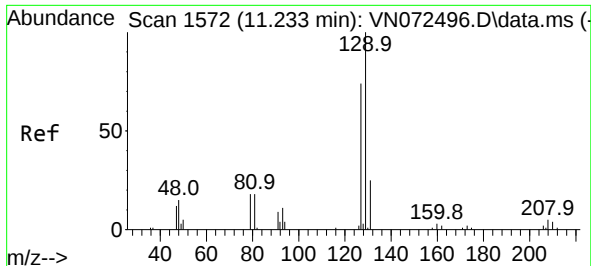
Tgt Ion: 69 Resp: 55630  
Ion Ratio Lower Upper  
69 100  
41 63.6 33.0 98.9  
39 39.0 25.4 76.4



#52  
1,3-Dichloropropane  
Concen: 16.929 ug/l  
RT: 11.039 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 76 Resp: 63838  
Ion Ratio Lower Upper  
76 100  
78 33.6 0.0 65.4

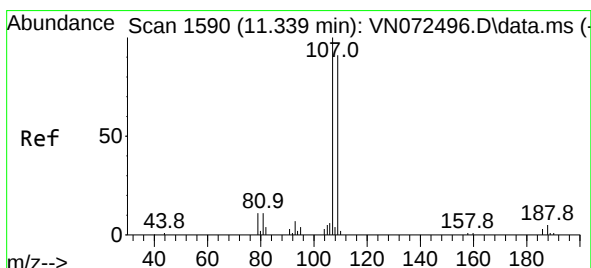
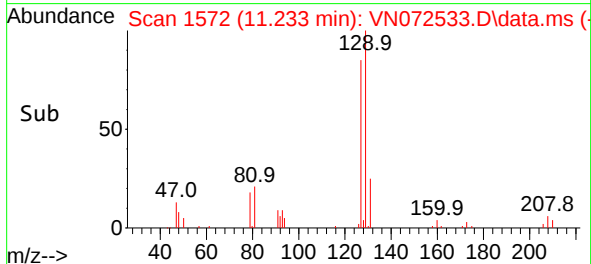
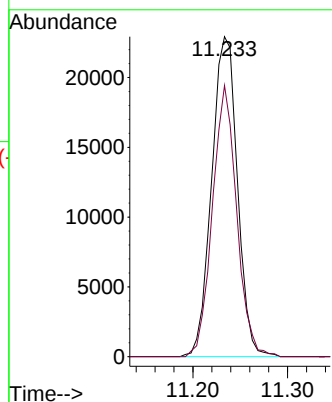
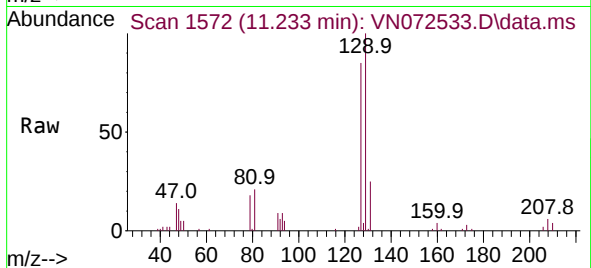




#53  
Dibromochloromethane  
Concen: 16.465 ug/l  
RT: 11.233 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

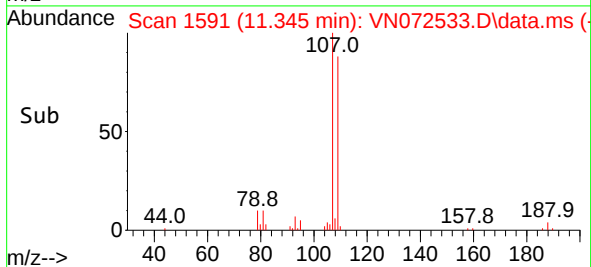
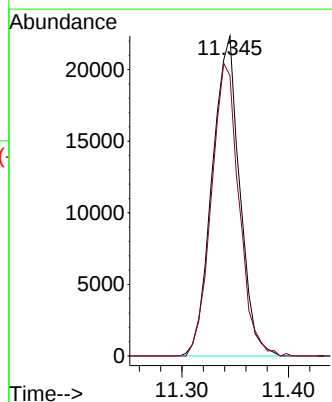
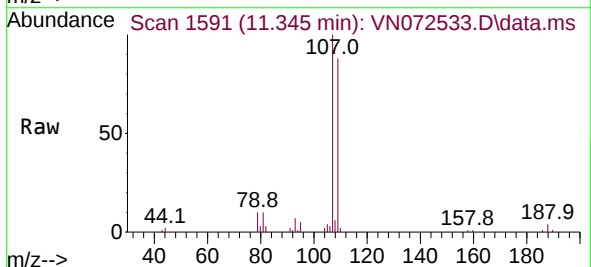
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

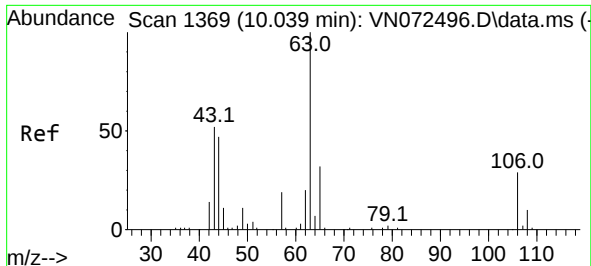
Tgt Ion:129 Resp: 43391  
Ion Ratio Lower Upper  
129 100  
127 79.8 39.0 117.0



#54  
1,2-Dibromoethane  
Concen: 17.265 ug/l  
RT: 11.345 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion:107 Resp: 40084  
Ion Ratio Lower Upper  
107 100  
109 91.9 72.8 109.2

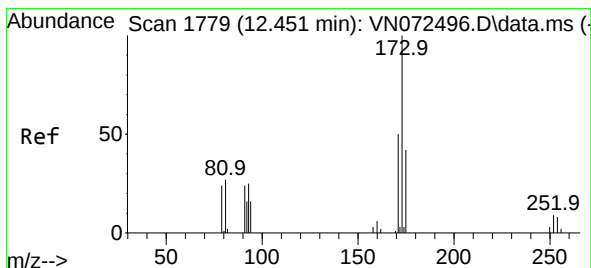
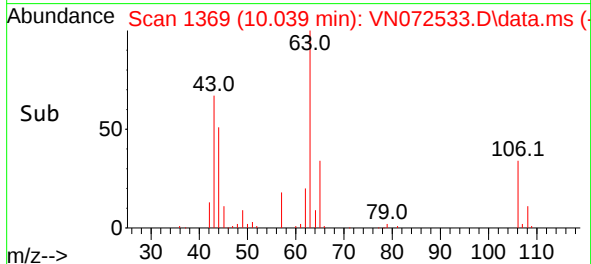
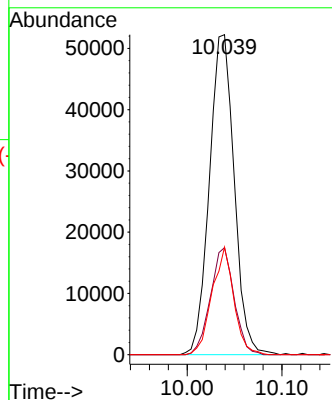
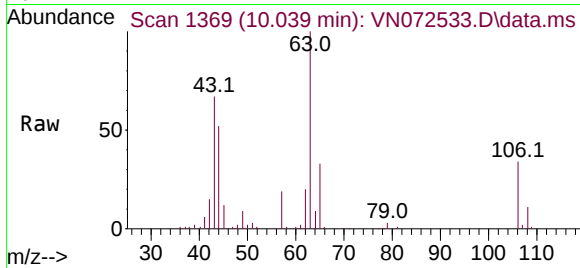




#55  
2-Chloroethyl vinyl ether  
Concen: 110.098 ug/l  
RT: 10.039 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

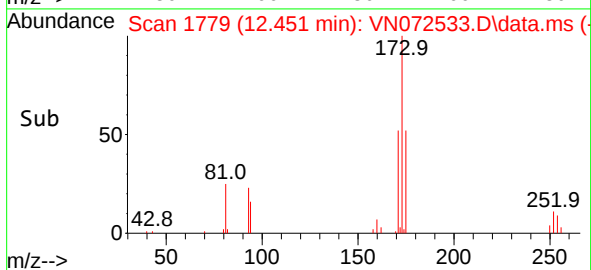
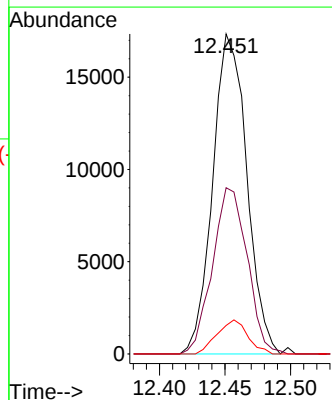
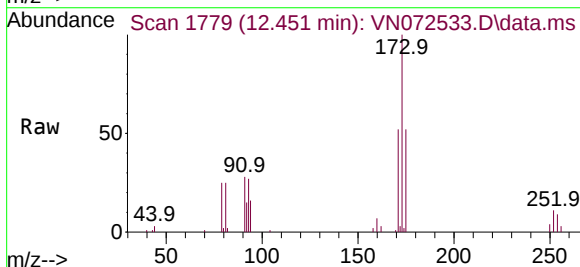
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

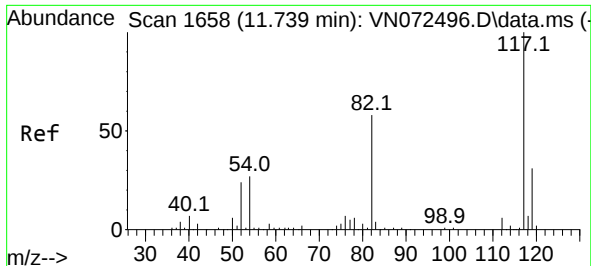
Tgt Ion: 63 Resp: 95073  
Ion Ratio Lower Upper  
63 100  
65 31.8 25.4 38.0  
106 29.6 23.2 34.8



#56  
Bromoform  
Concen: 15.762 ug/l  
RT: 12.451 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 173 Resp: 31326  
Ion Ratio Lower Upper  
173 100  
175 52.9 38.6 58.0  
254 9.6 0.0 0.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 119107

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

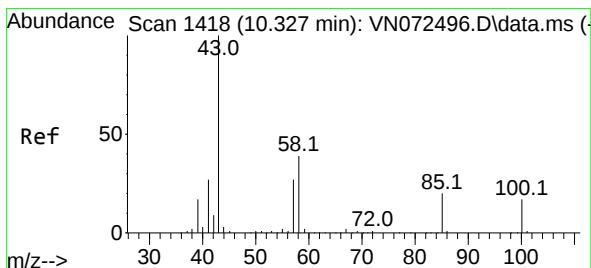
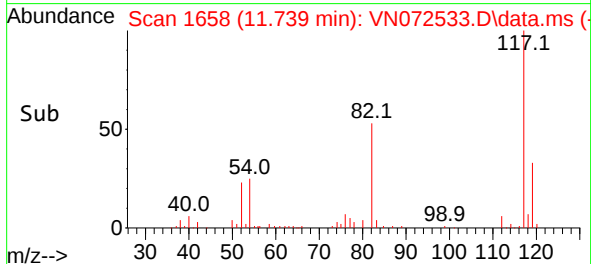
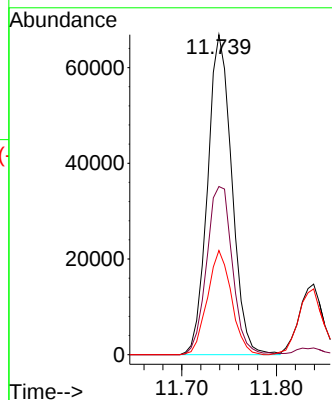
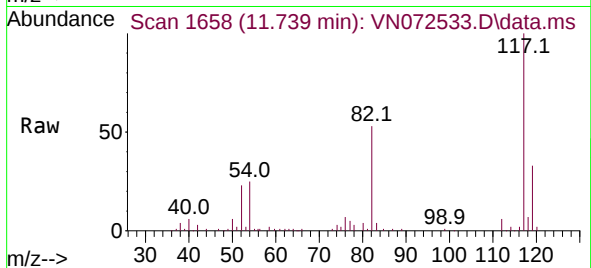
Tgt Ion:117 Resp: 119107

Ion Ratio Lower Upper

117 100

82 55.7 43.6 65.4

119 32.4 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 102.532 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

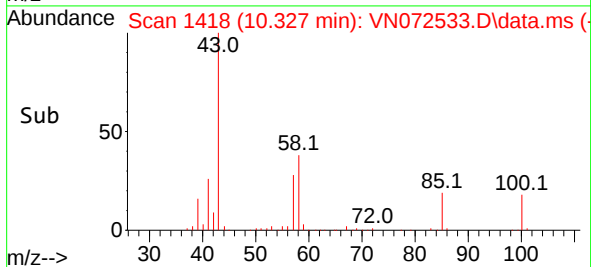
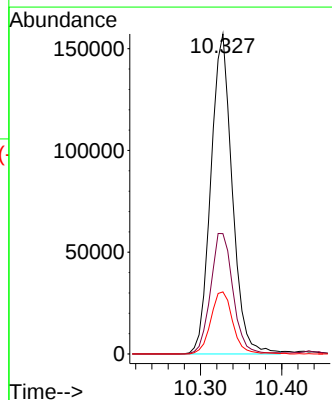
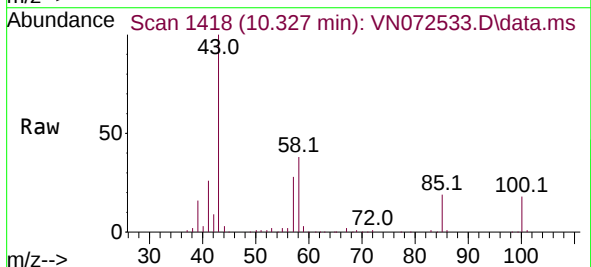
Tgt Ion: 43 Resp: 287763

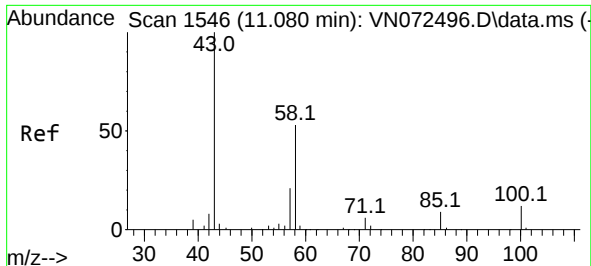
Ion Ratio Lower Upper

43 100

58 39.4 30.0 45.0

85 19.7 15.0 22.6

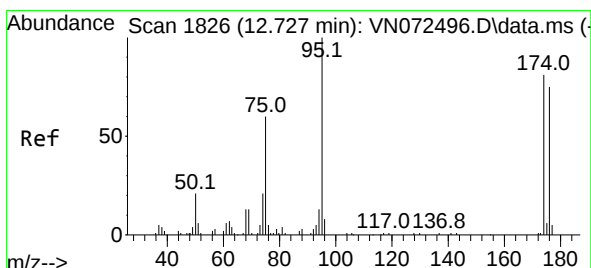
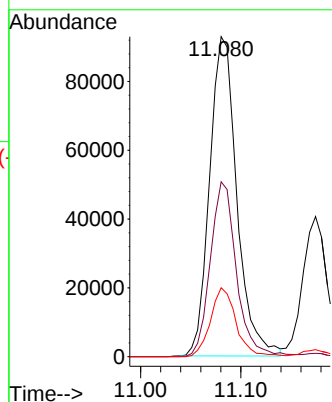
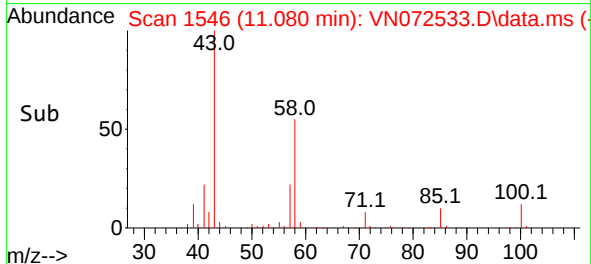
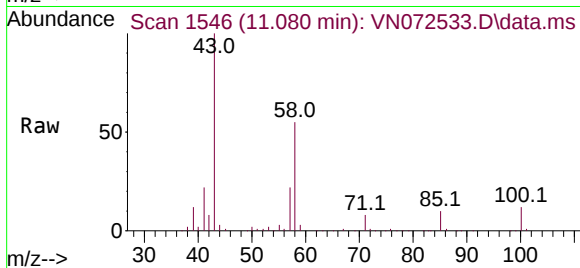




#59  
2-Hexanone  
Concen: 85.203 ug/l  
RT: 11.080 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

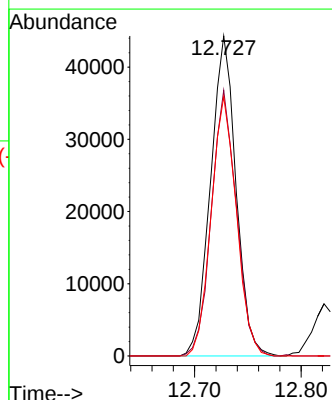
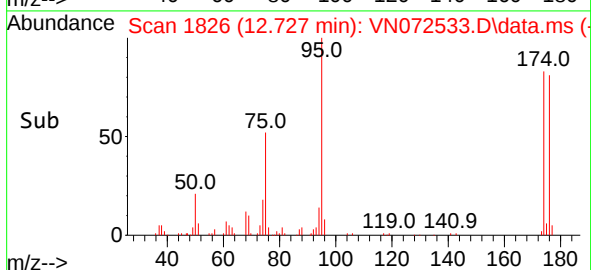
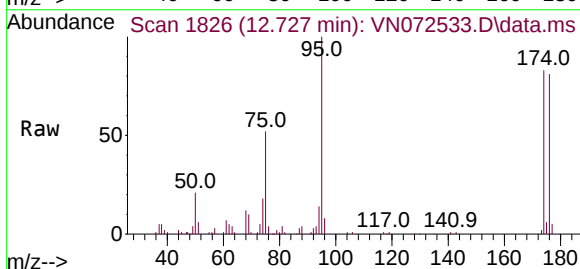
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

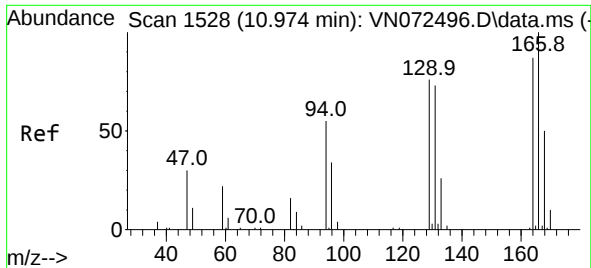
Tgt Ion: 43 Resp: 175672  
Ion Ratio Lower Upper  
43 100  
58 52.5 42.2 63.2  
57 20.3 15.0 22.4



#60  
4-Bromofluorobenzene  
Concen: 31.633 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 95 Resp: 73566  
Ion Ratio Lower Upper  
95 100  
174 81.4 62.9 94.3  
176 80.2 61.0 91.4



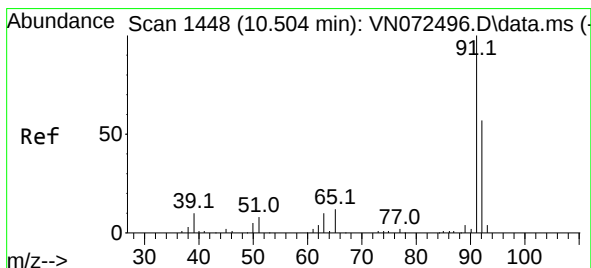
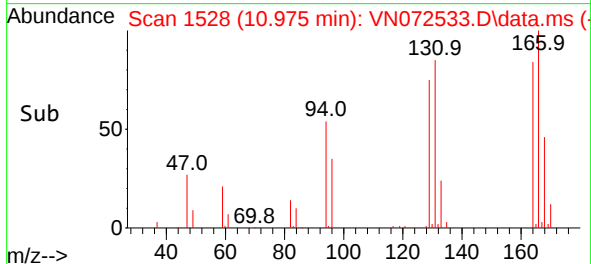
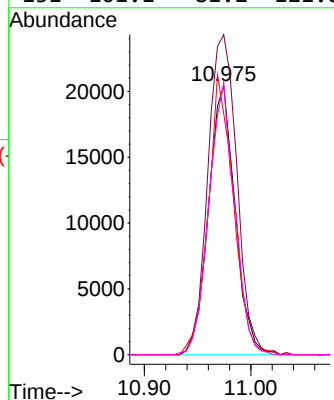
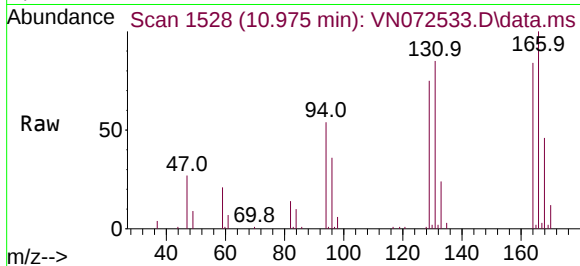


#61  
Tetrachloroethene  
Concen: 19.931 ug/l  
RT: 10.975 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:164 Resp: 35552

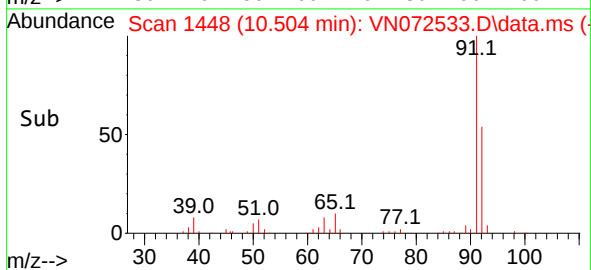
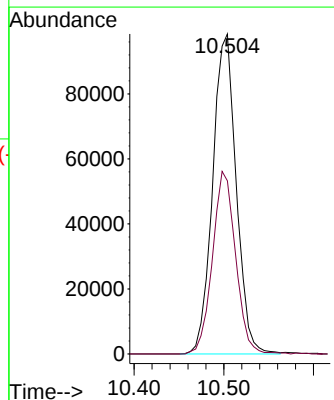
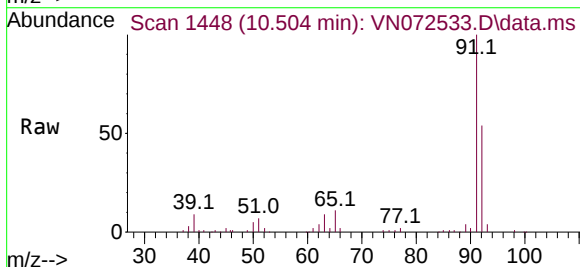
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 118.9 | 105.8 | 158.8 |
| 129 | 89.6  | 82.5  | 123.7 |
| 131 | 101.1 | 81.2  | 121.8 |

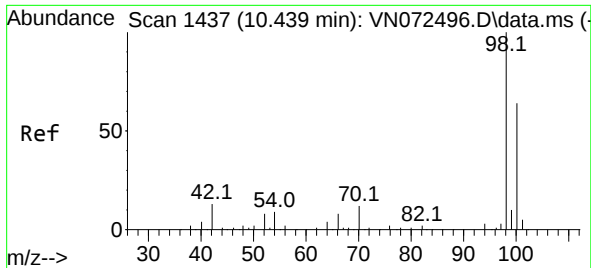


#62  
Toluene  
Concen: 22.285 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 91 Resp: 179317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 55.9  | 44.6  | 67.0  |

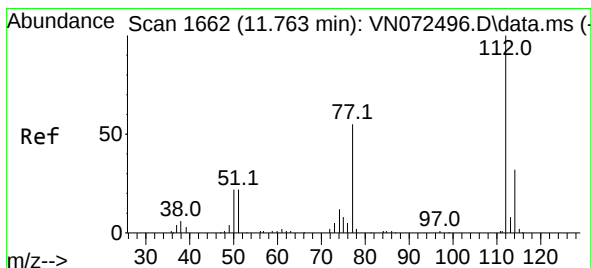
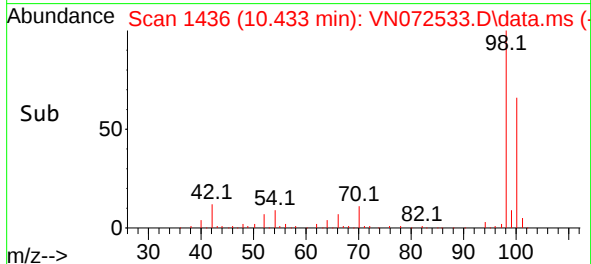
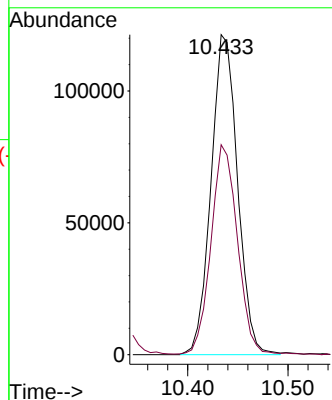
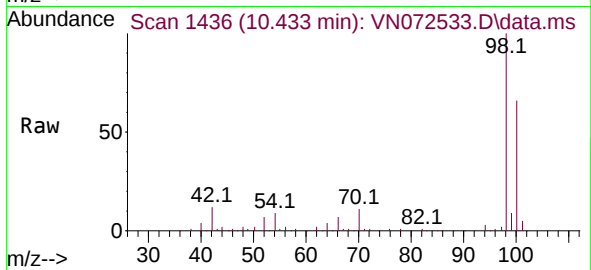




#63  
Toluene-d8  
Concen: 34.353 ug/l  
RT: 10.433 min Scan# 1437  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

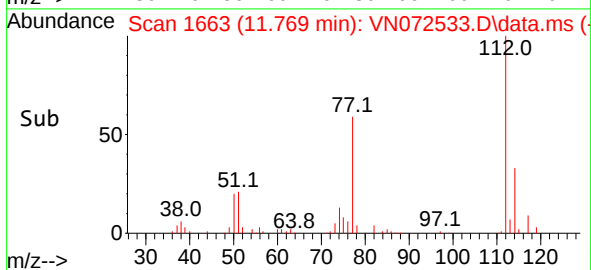
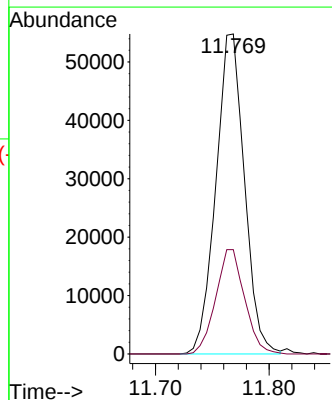
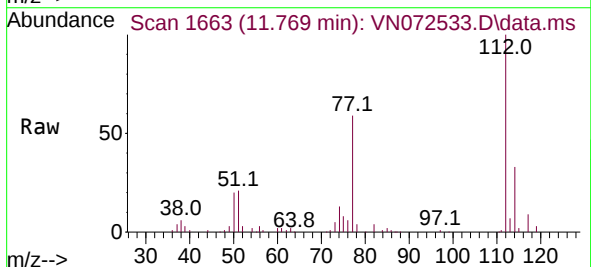
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

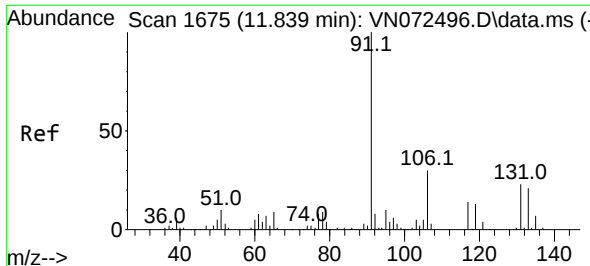
Tgt Ion: 98 Resp: 223354  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.6 76.0



#64  
Chlorobenzene  
Concen: 19.071 ug/l  
RT: 11.769 min Scan# 1663  
Delta R.T. 0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 112 Resp: 95722  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.8 38.6

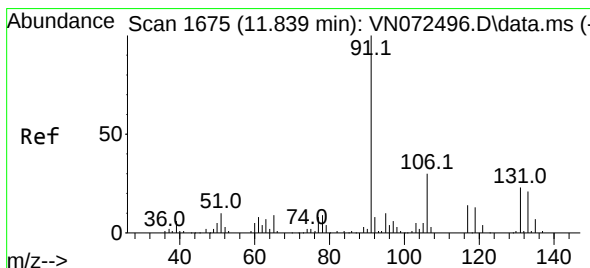
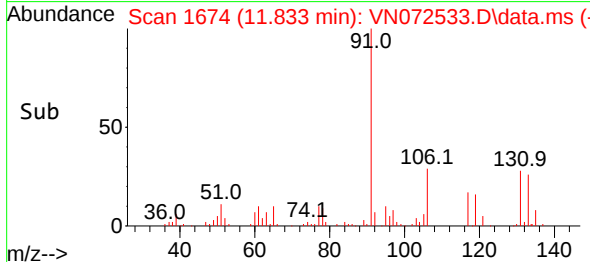
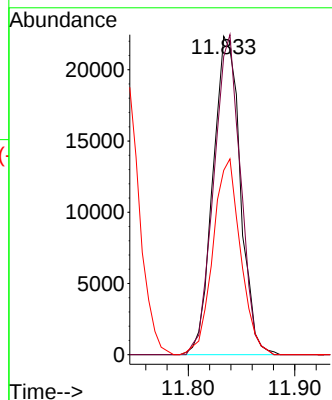
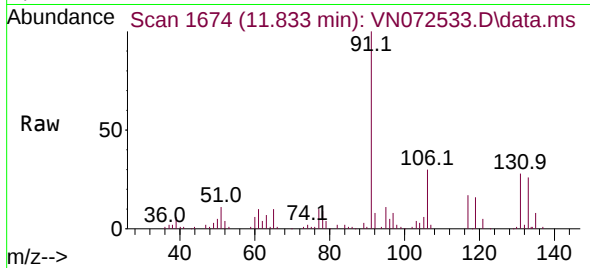




#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.271 ug/l  
RT: 11.833 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

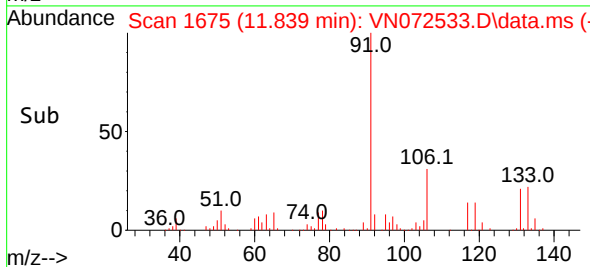
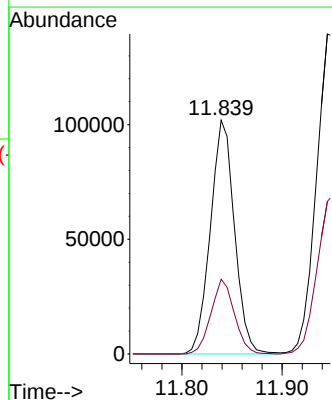
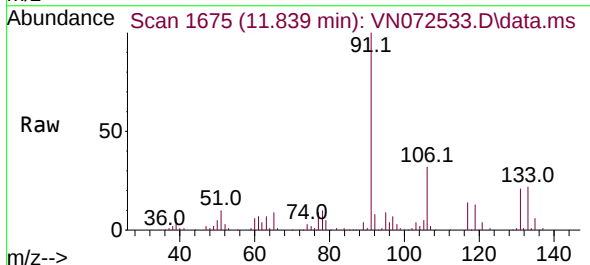
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

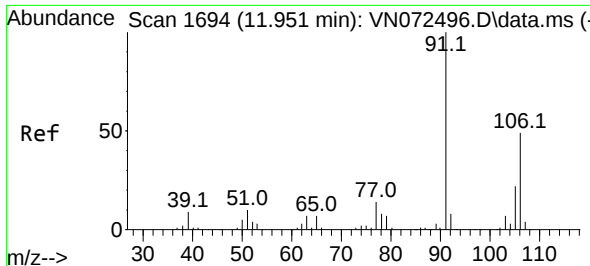
Tgt Ion:131 Resp: 39995  
Ion Ratio Lower Upper  
131 100  
133 97.8 0.0 191.2  
119 61.9 0.0 128.8



#66  
Ethyl Benzene  
Concen: 18.843 ug/l  
RT: 11.839 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 91 Resp: 170542  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.0 36.0





#67

m/p-Xylenes

Concen: 39.371 ug/l

RT: 11.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

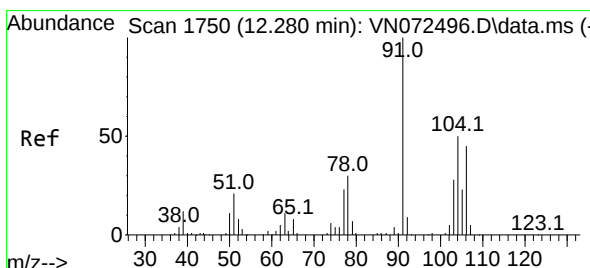
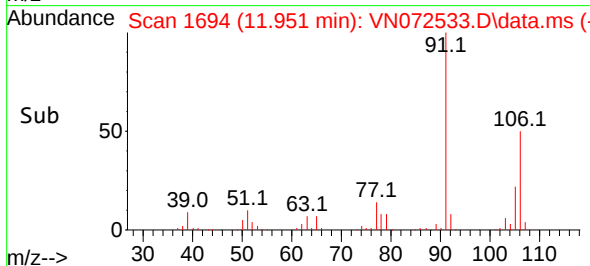
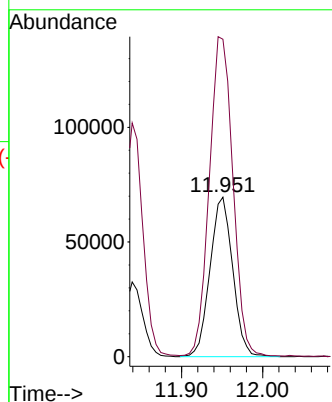
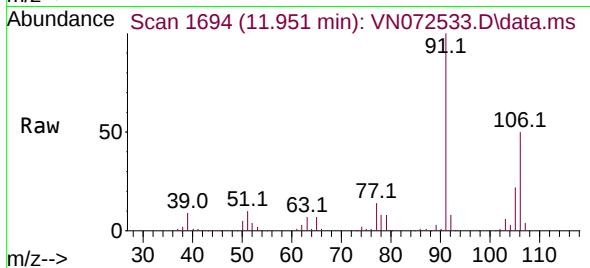
VSTDCCC020EC

Tgt Ion:106 Resp: 135097

Ion Ratio Lower Upper

106 100

91 209.2 162.9 244.3



#68

o-Xylene

Concen: 19.135 ug/l

RT: 12.274 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VN072533.D

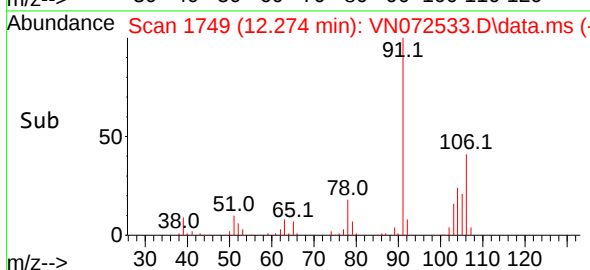
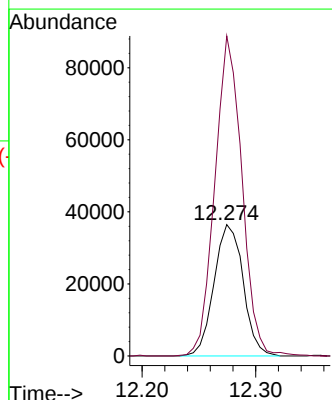
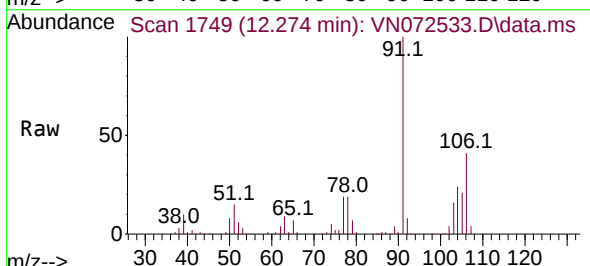
Acq: 17 May 2022 17:05

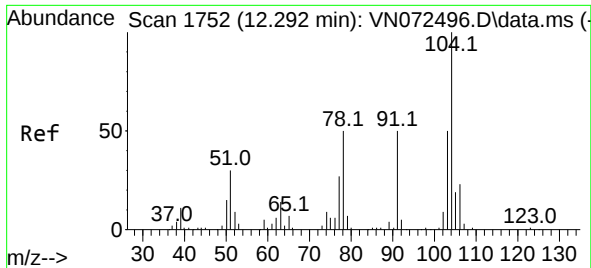
Tgt Ion:106 Resp: 64905

Ion Ratio Lower Upper

106 100

91 225.8 107.7 323.1

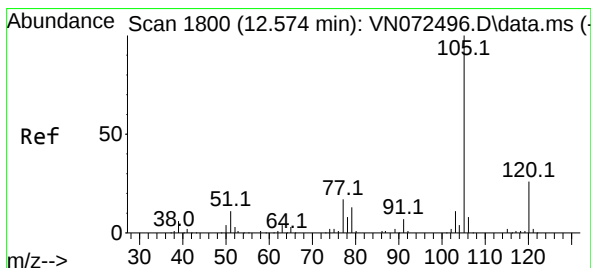
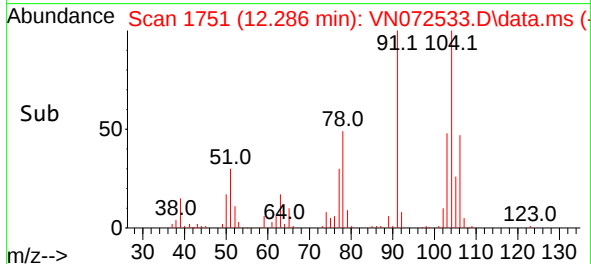
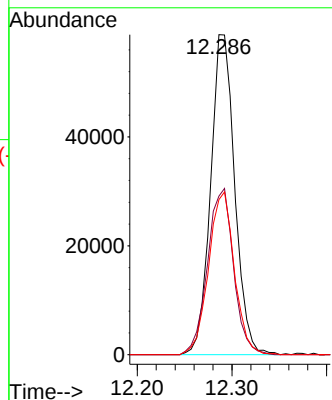
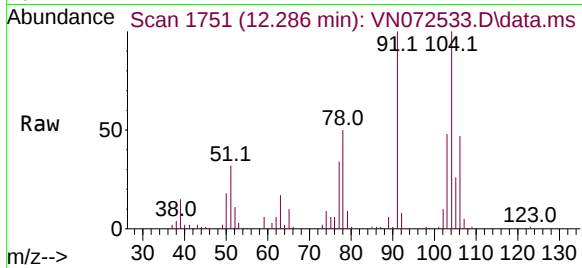




#69  
Styrene  
Concen: 19.251 ug/l  
RT: 12.286 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

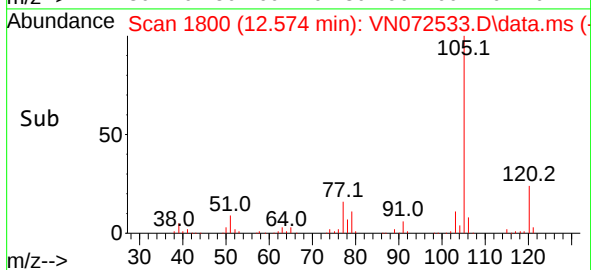
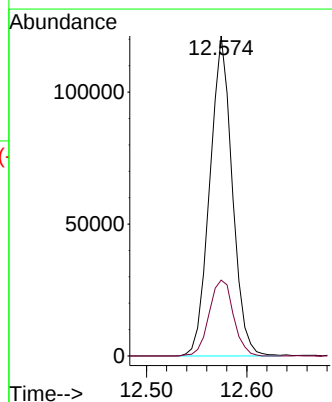
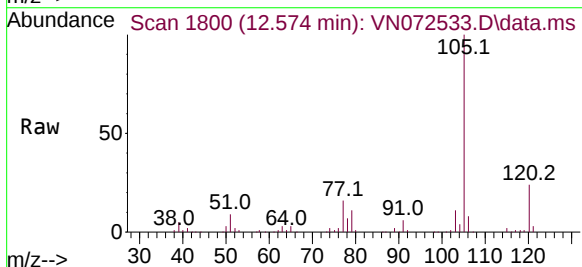
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

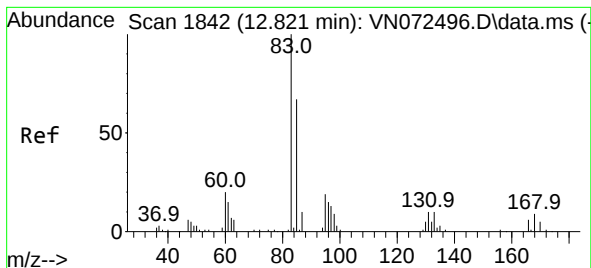
Tgt Ion:104 Resp: 104000  
Ion Ratio Lower Upper  
104 100  
78 56.1 40.7 61.1  
103 54.3 45.8 68.8



#70  
Isopropylbenzene  
Concen: 20.959 ug/l  
RT: 12.574 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion:105 Resp: 188642  
Ion Ratio Lower Upper  
105 100  
120 25.6 18.3 34.1

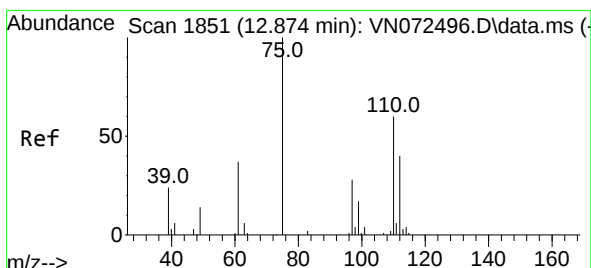
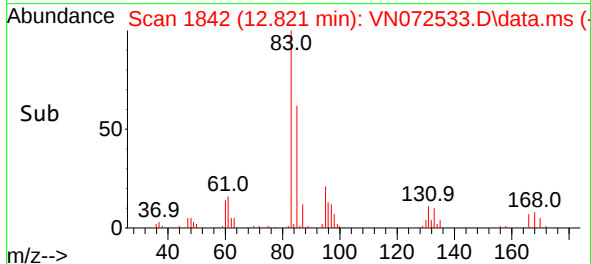
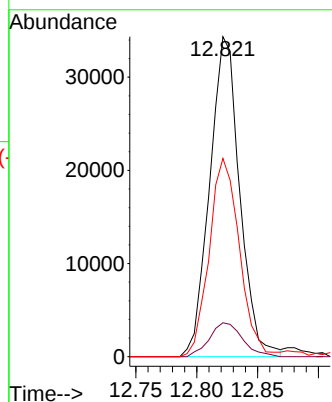
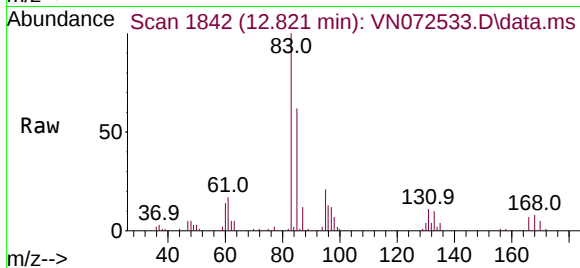




#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.462 ug/l  
RT: 12.821 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

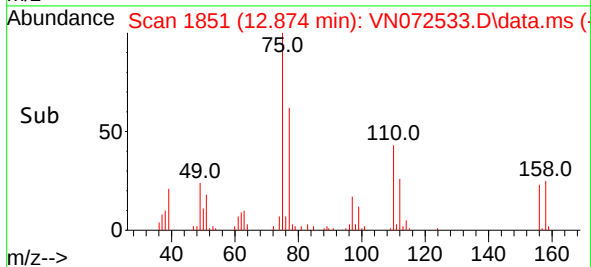
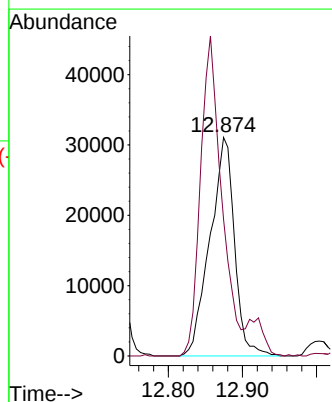
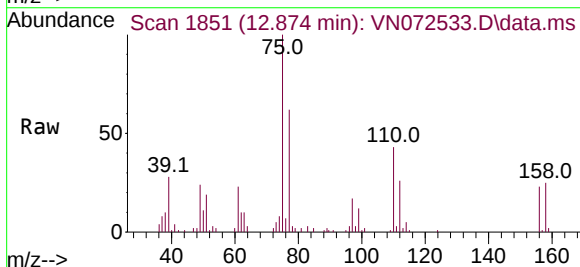
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

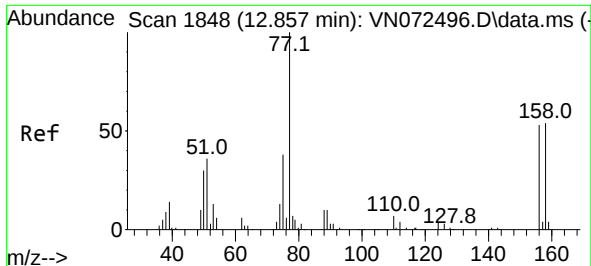
Tgt Ion: 83 Resp: 58991  
Ion Ratio Lower Upper  
83 100  
131 11.7 5.1 15.3  
85 62.2 33.1 99.2



#72  
1,2,3-Trichloropropane  
Concen: 27.682 ug/l  
RT: 12.874 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 75 Resp: 71361  
Ion Ratio Lower Upper  
75 100  
77 125.9 0.0 378.0

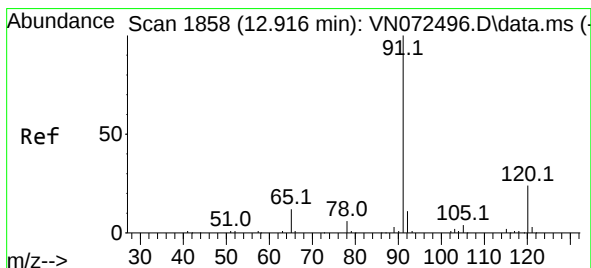
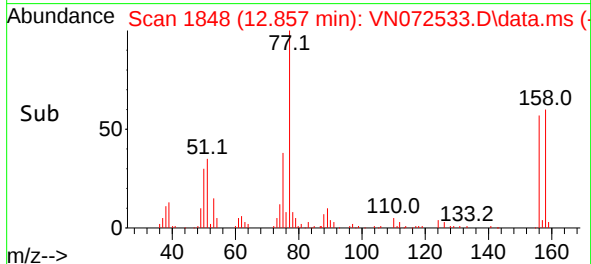
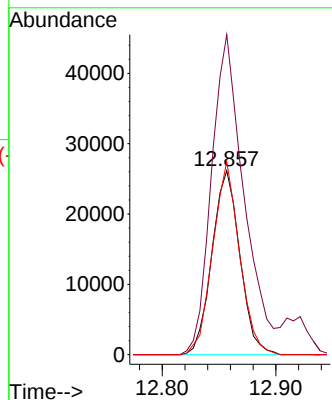
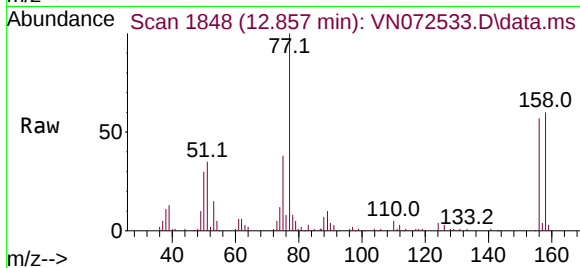




#73  
Bromobenzene  
Concen: 20.590 ug/l  
RT: 12.857 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

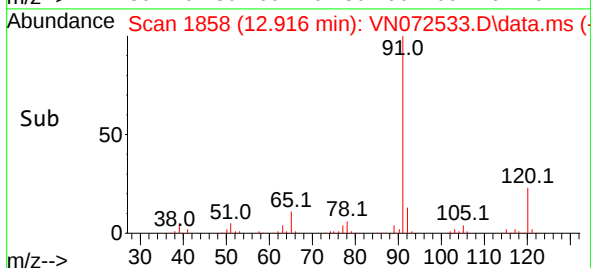
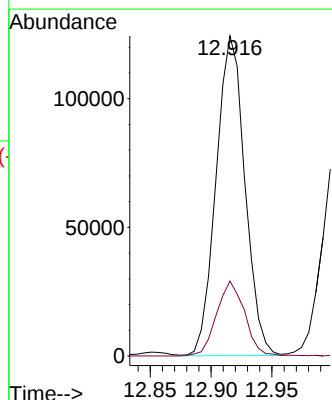
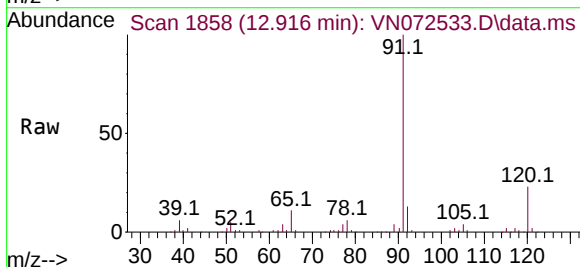
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

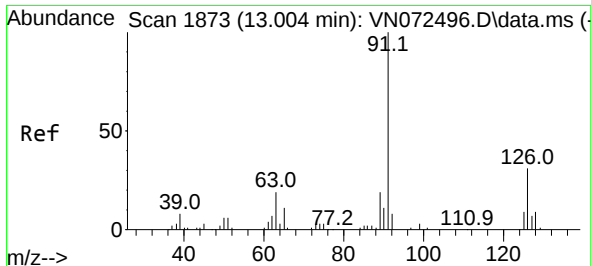
Tgt Ion:156 Resp: 44600  
Ion Ratio Lower Upper  
156 100  
77 201.5 0.0 416.0  
158 101.1 0.0 195.4



#74  
n-propylbenzene  
Concen: 20.799 ug/l  
RT: 12.916 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 91 Resp: 204931  
Ion Ratio Lower Upper  
91 100  
120 22.7 0.0 45.0

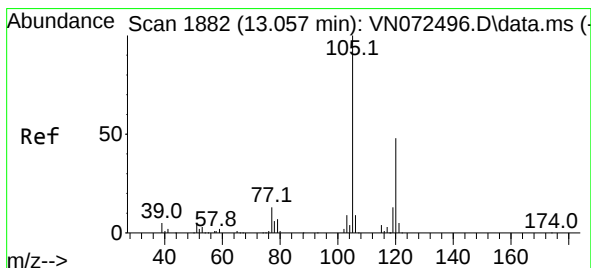
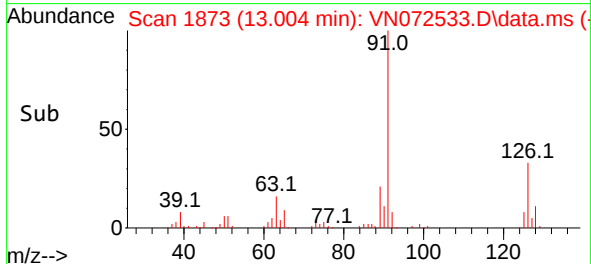
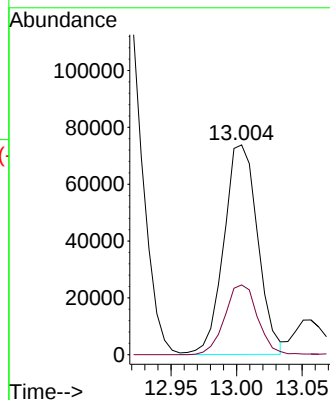
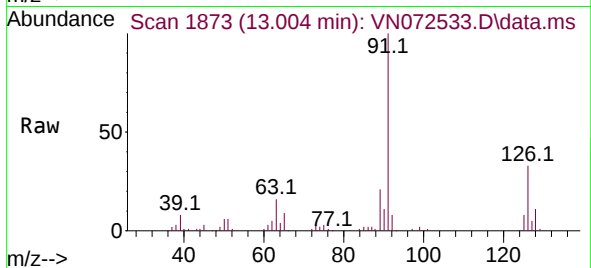




#75  
2-Chlorotoluene  
Concen: 20.863 ug/l  
RT: 13.004 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

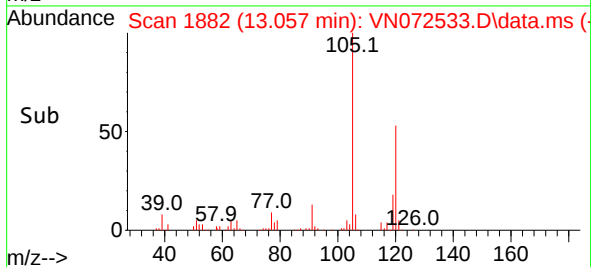
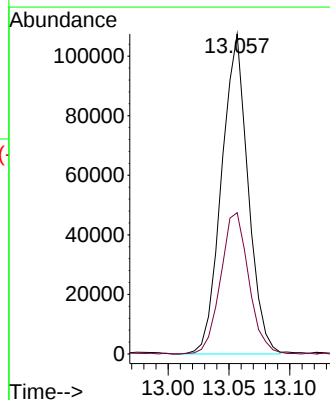
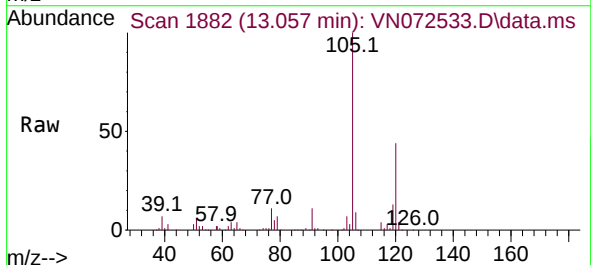
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

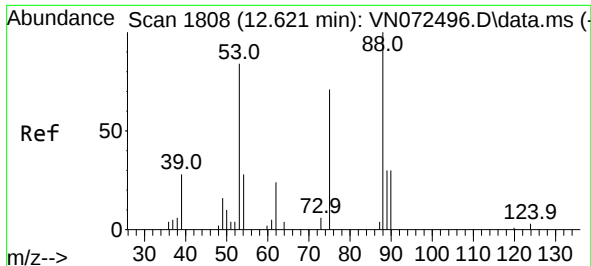
Tgt Ion: 91 Resp: 132816  
Ion Ratio Lower Upper  
91 100  
126 32.4 0.0 69.8



#76  
1,3,5-Trimethylbenzene  
Concen: 21.161 ug/l  
RT: 13.057 min Scan# 1882  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 105 Resp: 162903  
Ion Ratio Lower Upper  
105 100  
120 46.8 0.0 93.8

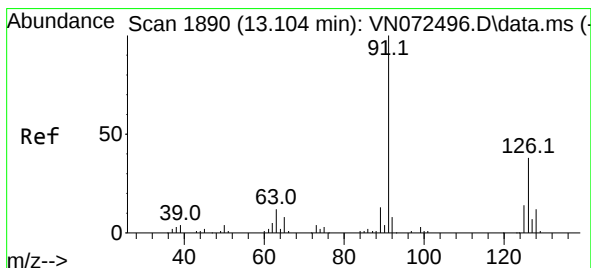
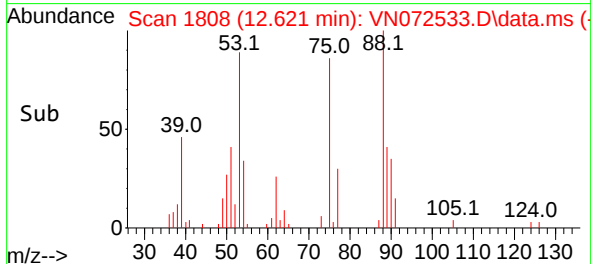
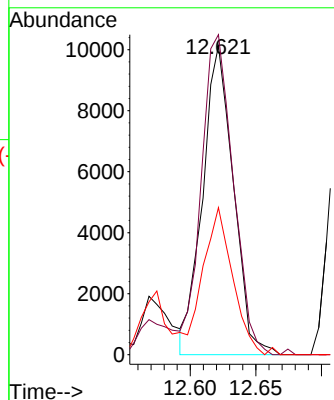
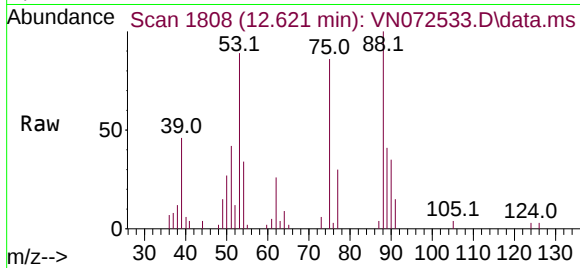




#77  
t-1,4-Dichloro-2-butene  
Concen: 19.444 ug/l  
RT: 12.621 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

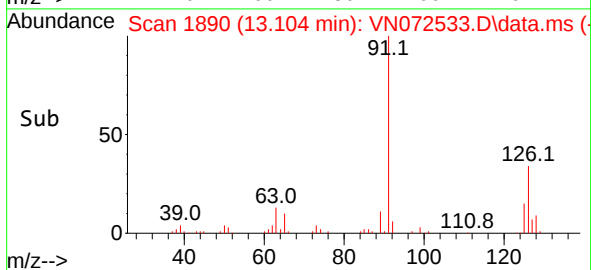
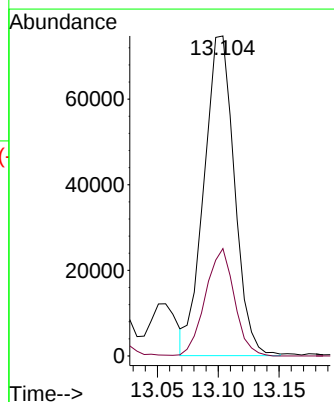
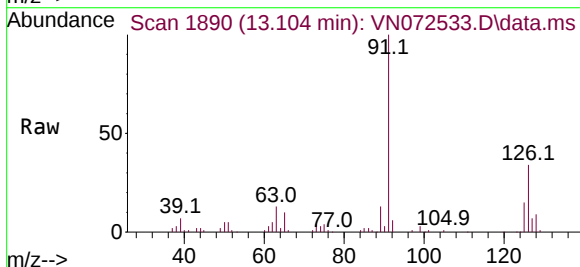
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

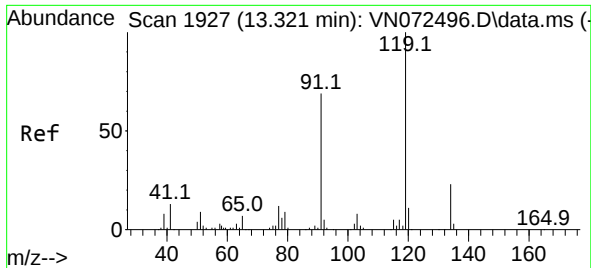
Tgt Ion: 75 Resp: 16562  
Ion Ratio Lower Upper  
75 100  
53 103.6 51.8 155.5  
89 47.6 22.9 68.7



#78  
4-Chlorotoluene  
Concen: 21.806 ug/l  
RT: 13.104 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 91 Resp: 130111  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 70.6

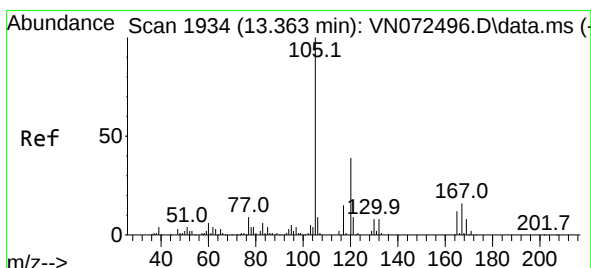
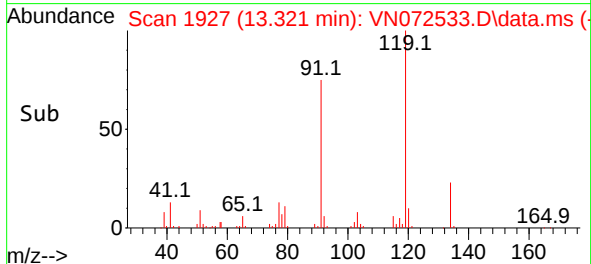
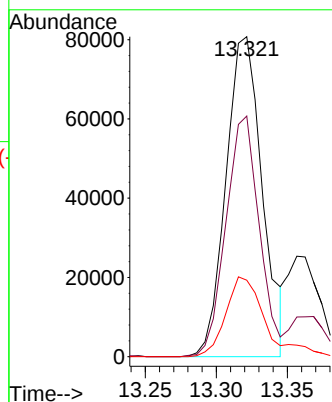
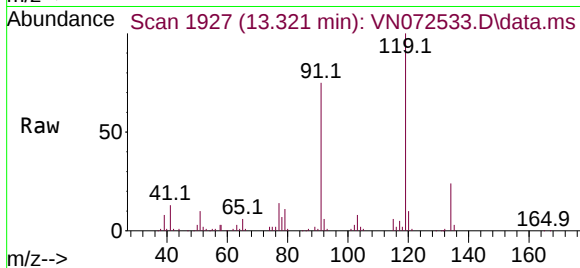




#79  
tert-butylbenzene  
Concen: 21.267 ug/l  
RT: 13.321 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

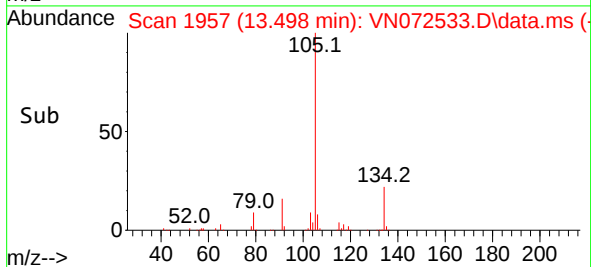
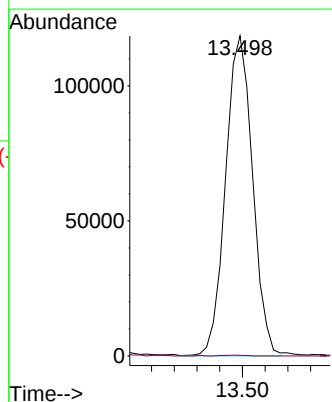
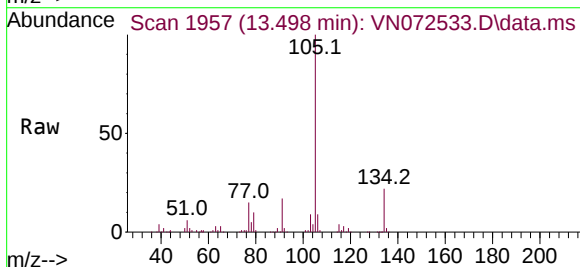
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

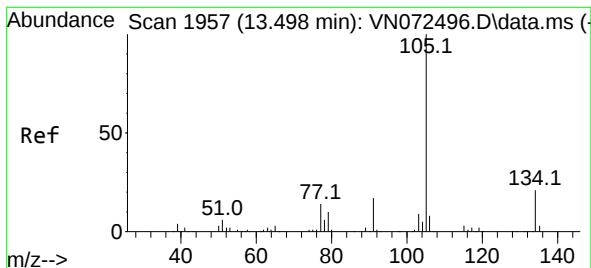
Tgt Ion:119 Resp: 143842  
Ion Ratio Lower Upper  
119 100  
91 69.1 0.0 137.0  
134 24.4 0.0 47.6



#80  
1,2,4-Trimethylbenzene  
Concen: 26.380 ug/l  
RT: 13.498 min Scan# 1957  
Delta R.T. 0.135 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion:105 Resp: 195692  
Ion Ratio Lower Upper  
105 100  
120 0.2 0.0 0.2





#81

sec-Butylbenzene

Concen: 21.823 ug/l

RT: 13.498 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

Instrument :

MSVOA\_N

ClientSampleId :

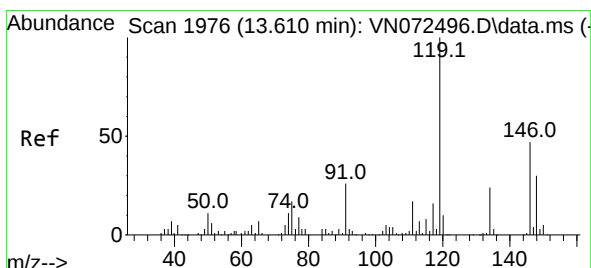
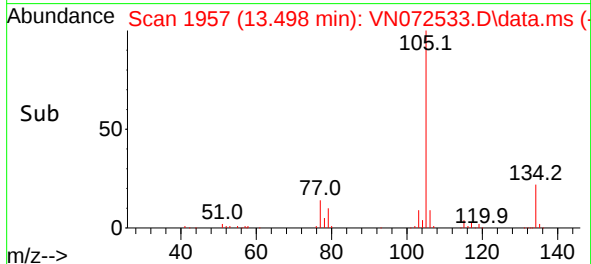
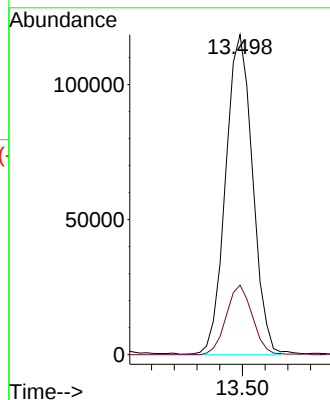
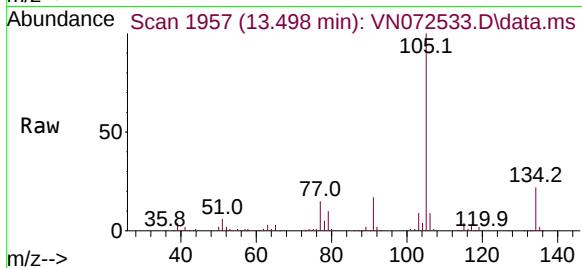
VSTDCCC020EC

Tgt Ion:105 Resp: 195692

Ion Ratio Lower Upper

105 100

134 21.0 0.0 39.4



#82

p-Isopropyltoluene

Concen: 22.043 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VN072533.D

Acq: 17 May 2022 17:05

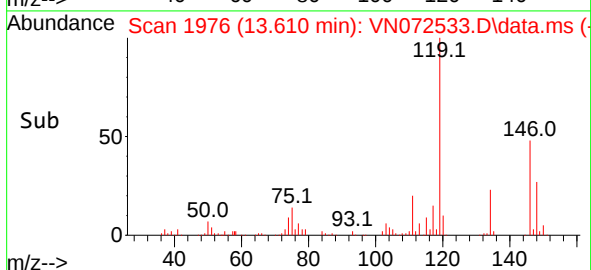
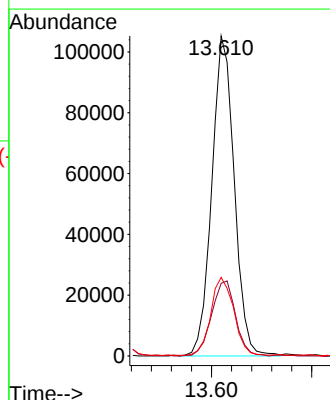
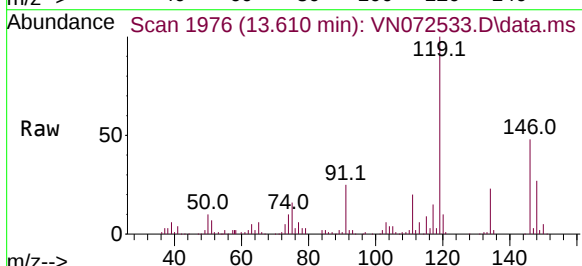
Tgt Ion:119 Resp: 163591

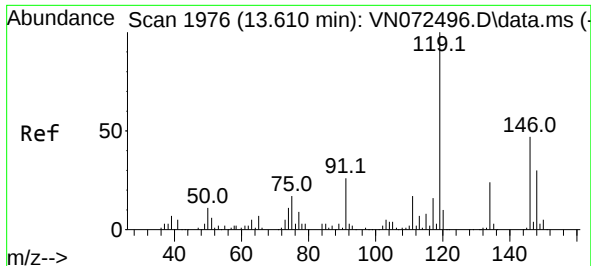
Ion Ratio Lower Upper

119 100

134 25.0 0.0 51.8

91 25.3 0.0 50.4

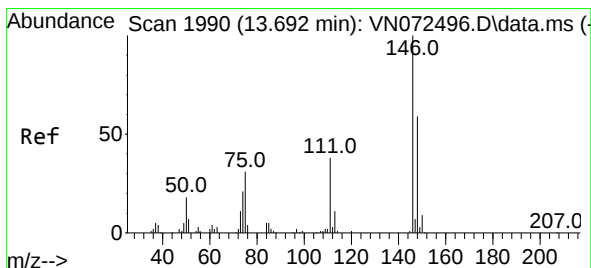
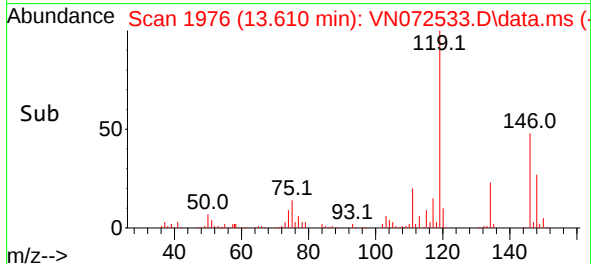
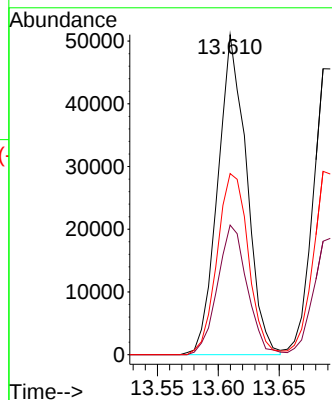
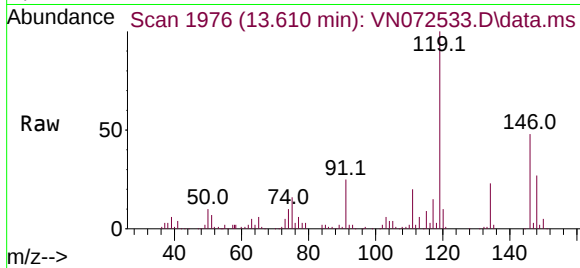




#83  
1,3-Dichlorobenzene  
Concen: 22.719 ug/l  
RT: 13.610 min Scan# 1976  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

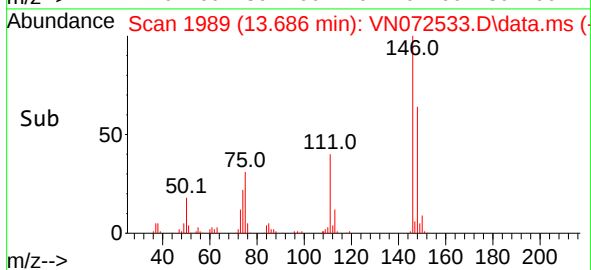
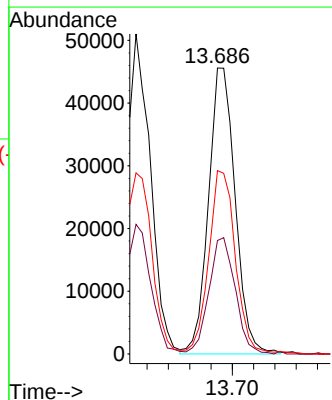
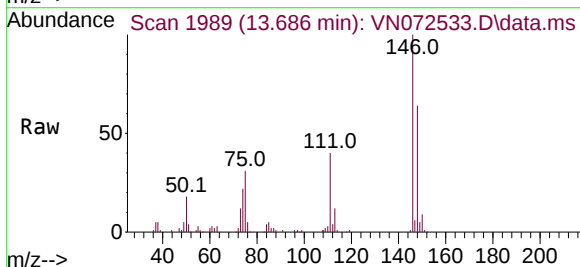
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

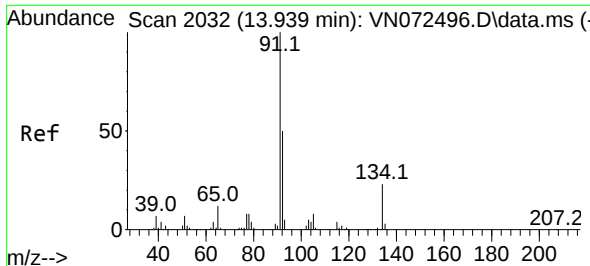
Tgt Ion:146 Resp: 84010  
Ion Ratio Lower Upper  
146 100  
111 41.7 20.8 62.2  
148 61.4 31.4 94.3



#84  
1,4-Dichlorobenzene  
Concen: 22.116 ug/l  
RT: 13.686 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion:146 Resp: 79581  
Ion Ratio Lower Upper  
146 100  
111 40.0 19.5 58.5  
148 62.5 31.1 93.5

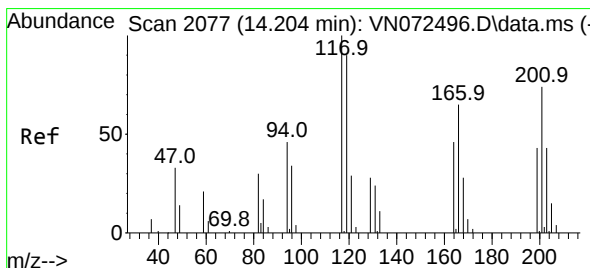
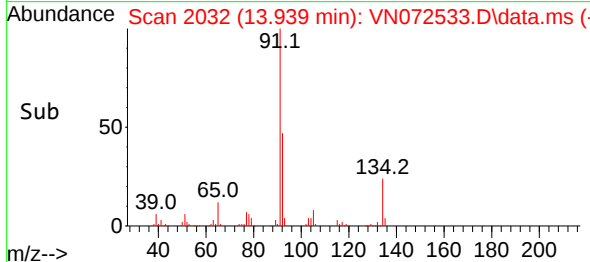
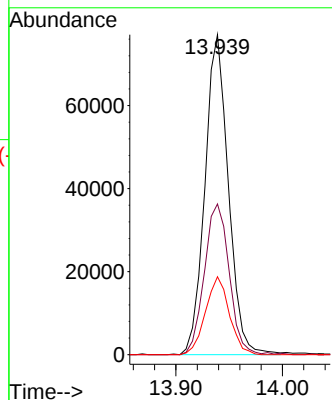
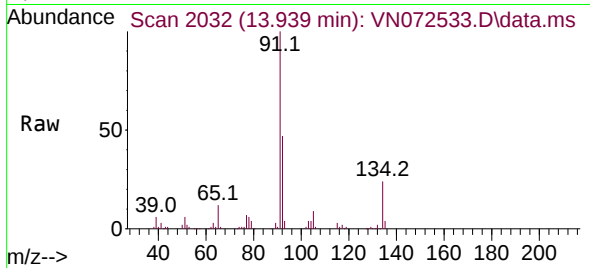




#85  
n-Butylbenzene  
Concen: 21.454 ug/l  
RT: 13.939 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

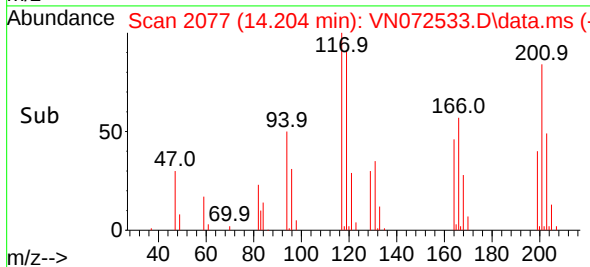
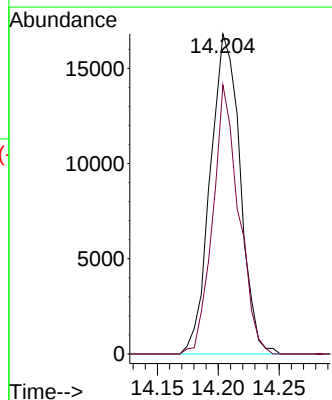
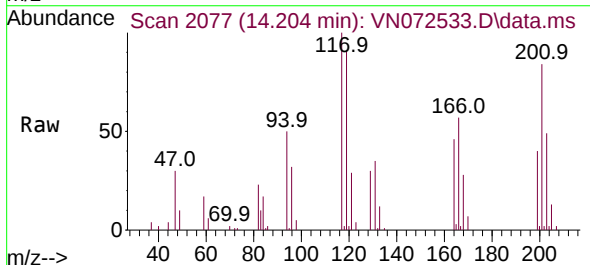
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

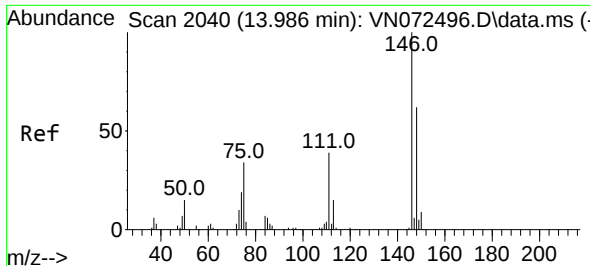
Tgt Ion: 91 Resp: 117994  
Ion Ratio Lower Upper  
91 100  
92 49.7 0.0 100.6  
134 24.8 0.0 50.2



#86  
Hexachloroethane  
Concen: 20.950 ug/l  
RT: 14.204 min Scan# 2077  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion: 117 Resp: 28630  
Ion Ratio Lower Upper  
117 100  
201 73.7 33.3 99.8

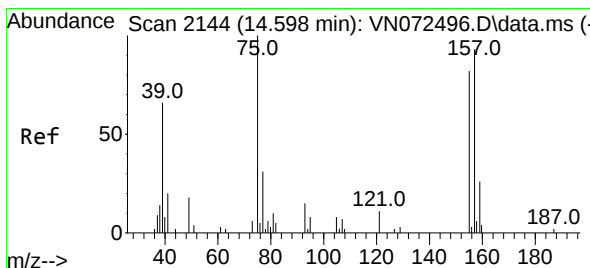
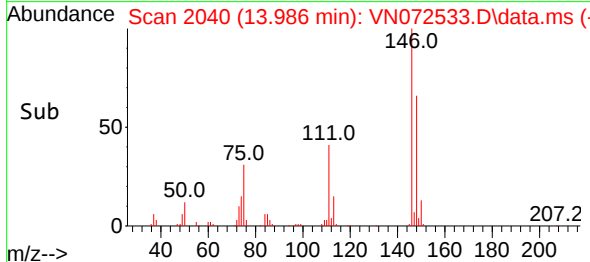
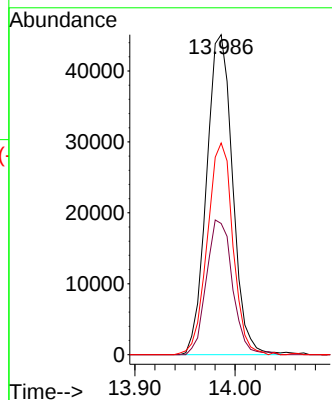
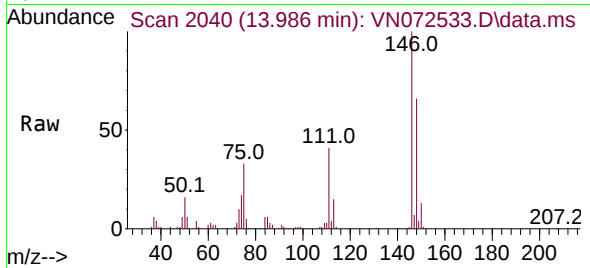




#87  
 1,2-Dichlorobenzene  
 Concen: 22.521 ug/l  
 RT: 13.986 min Scan# 2040  
 Delta R.T. 0.000 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

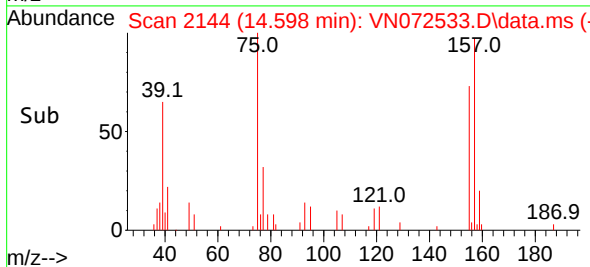
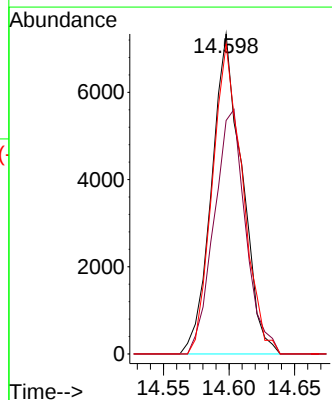
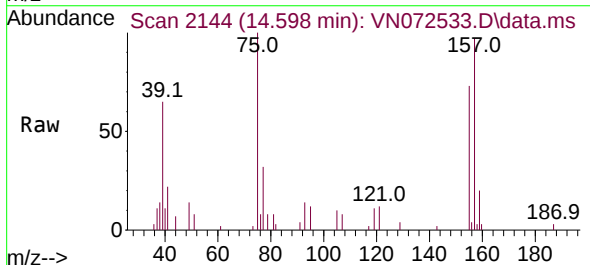
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

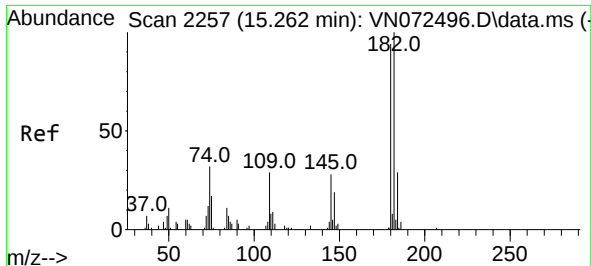
Tgt Ion:146 Resp: 81418  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.4 64.2  
 148 65.1 32.5 97.4



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.267 ug/l  
 RT: 14.598 min Scan# 2144  
 Delta R.T. 0.000 min  
 Lab File: VN072533.D  
 Acq: 17 May 2022 17:05

Tgt Ion: 75 Resp: 11819  
 Ion Ratio Lower Upper  
 75 100  
 155 79.2 63.8 95.8  
 157 96.1 77.9 116.9

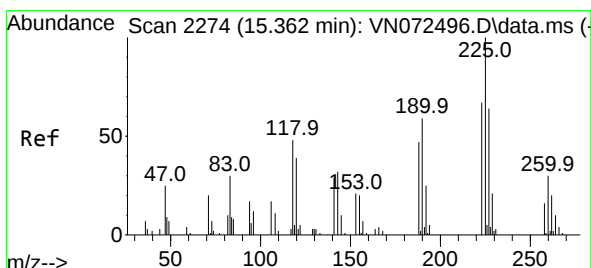
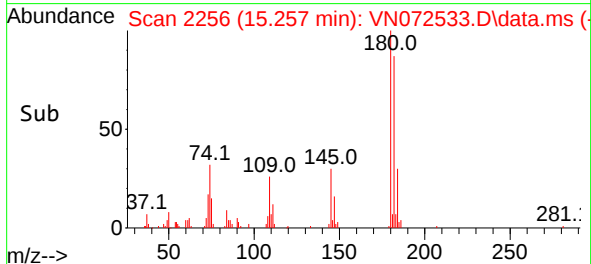
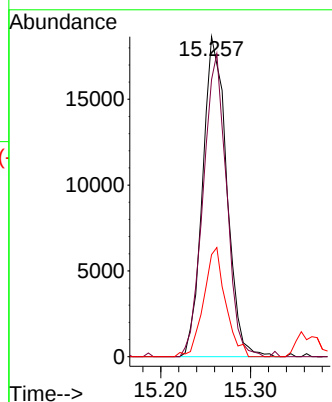
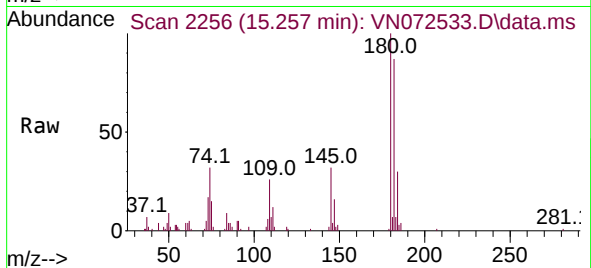




#89  
1,2,4-Trichlorobenzene  
Concen: 21.250 ug/l  
RT: 15.257 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

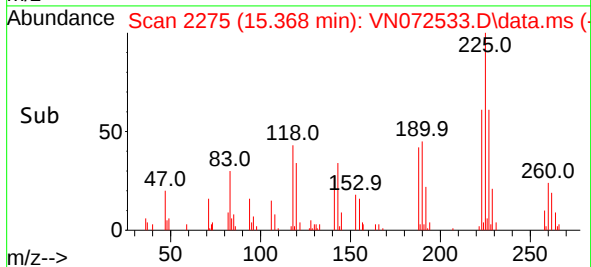
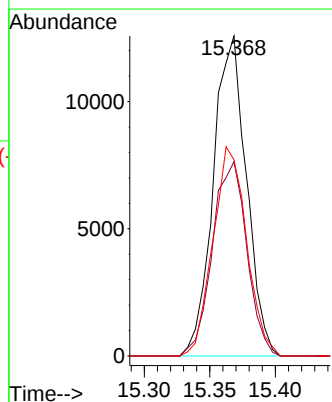
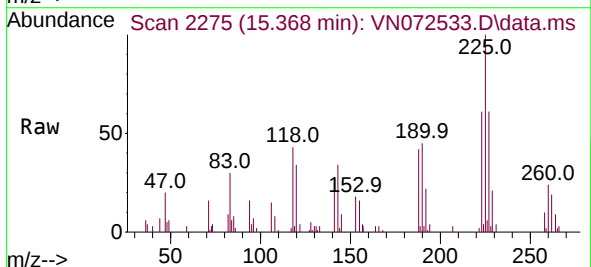
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

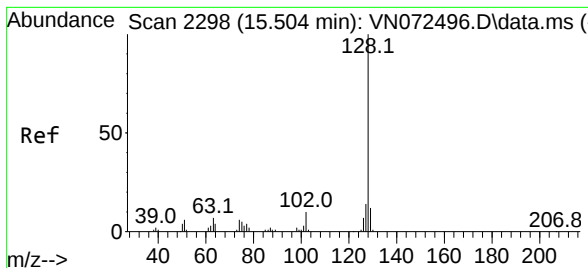
Tgt Ion:180 Resp: 34774  
Ion Ratio Lower Upper  
180 100  
182 91.5 77.7 116.5  
145 30.6 26.6 39.8



#90  
Hexachlorobutadiene  
Concen: 21.819 ug/l  
RT: 15.368 min Scan# 2275  
Delta R.T. 0.006 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Tgt Ion:225 Resp: 22067  
Ion Ratio Lower Upper  
225 100  
223 63.0 0.0 126.8  
227 66.4 0.0 123.0

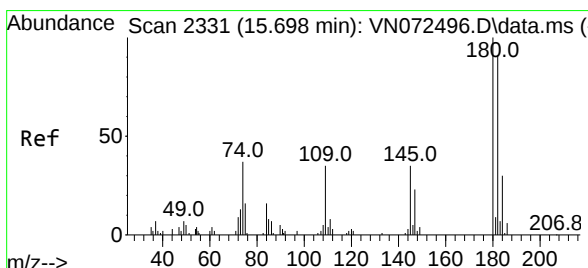
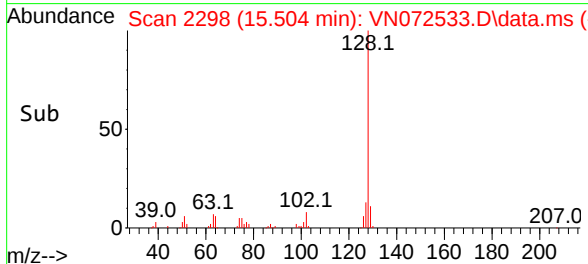
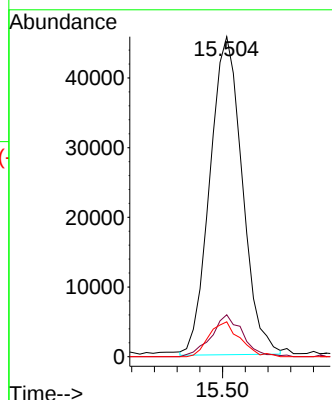
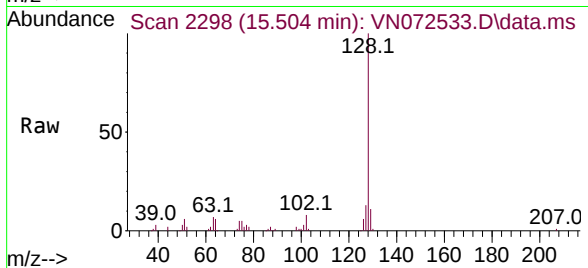




#91  
Naphthalene  
Concen: 20.757 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. -0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 90457 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.8  | 10.7  | 16.1  |
| 129       | 10.2  | 9.0   | 13.6  |



#92  
1,2,3-Trichlorobenzene  
Concen: 21.207 ug/l  
RT: 15.698 min Scan# 2331  
Delta R.T. 0.000 min  
Lab File: VN072533.D  
Acq: 17 May 2022 17:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 35327 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 90.7  | 0.0   | 190.0 |
| 145       | 33.2  | 0.0   | 67.8  |

