

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050721\  
 Data File : VN067019.D  
 Acq On : 6 May 2021 19:12  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 07 06:09:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050721W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 07 06:08:19 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Bromochloromethane        | 7.115          | 128  | 77973      | 30.00   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 8.518          | 114  | 391005     | 30.00   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.352         | 117  | 349475     | 30.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 7.954          | 65   | 206813     | 13.17   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 43.90%# |        |          |
| 60) 4-Bromofluorobenzene     | 12.353         | 95   | 147561     | 11.05   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 36.83%# |        |          |
| 63) Toluene-d8               | 10.030         | 98   | 538931     | 13.54   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 45.13%# |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.837          | 85   | 22757      | 2.83    | ug/l   | 96       |
| 3) Chloromethane             | 2.035          | 50   | 40111      | 3.49    | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.161          | 62   | 37484      | 3.40    | ug/l   | 93       |
| 5) Bromomethane              | 2.510          | 94   | 21463      | 3.52    | ug/l   | 97       |
| 6) Chloroethane              | 2.652          | 64   | 23235      | 3.71    | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.969          | 101  | 47075      | 3.46    | ug/l   | 93       |
| 8) Diethyl Ether             | 3.357          | 74   | 15902      | 3.66    | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.690          | 101  | 23387      | 3.56    | ug/l   | 91       |
| 10) 1,1-Dichloroethene       | 3.674          | 96   | 22150      | 3.57    | ug/l   | 95       |
| 11) Methyl Iodide            | 3.886          | 142  | 27027      | 3.23    | ug/l   | 100      |
| 12) Methyl Acetate           | 4.256          | 43   | 33070      | 3.87    | ug/l   | 96       |
| 13) Acrolein                 | 3.550          | 56   | 26192      | 19.07   | ug/l   | 97       |
| 14) Acrylonitrile            | 4.902          | 53   | 58252      | 16.79   | ug/l   | 97       |
| 15) Acetone                  | 3.754          | 58   | 18650      | 18.68   | ug/l   | 100      |
| 16) Carbon Disulfide         | 3.982          | 76   | 73078      | 3.54    | ug/l   | 99       |
| 17) Allyl chloride           | 4.250          | 41   | 38249      | 3.43    | ug/l   | 98       |
| 18) Methylene Chloride       | 4.468          | 84   | 33276      | 4.00    | ug/l   | 96       |
| 19) trans-1,2-Dichloroethene | 4.953          | 96   | 23822      | 3.50    | ug/l   | 86       |
| 20) Diisopropyl ether        | 5.870          | 45   | 71445      | 3.15    | ug/l   | 97       |
| 21) 1,1-Dichloroethane       | 5.760          | 63   | 53171      | 3.59    | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 6.745          | 96   | 26145      | 3.35    | ug/l # | 84       |
| 23) tert-Butyl Alcohol       | 4.712          | 59   | 20402      | 15.50   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 4.959          | 73   | 67683      | 3.30    | ug/l # | 73       |
| 25) Chloroform               | 7.295          | 83   | 52645      | 3.73    | ug/l   | 91       |
| 26) Cyclohexane              | 7.675          | 56   | 42238      | 4.13    | ug/l # | 23       |
| 29) 1,1-Dichloropropene      | 7.718          | 75   | 30234      | 3.15    | ug/l   | 97       |
| 30) 2-Butanone               | 6.755          | 43   | 74240      | 16.44   | ug/l # | 76       |
| 31) 2,2-Dichloropropane      | 6.734          | 77   | 43470      | 3.83    | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 7.488          | 97   | 45560      | 3.68    | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 7.699          | 117  | 39352      | 3.66    | ug/l   | 98       |
| 34) Benzene                  | 7.970          | 78   | 110442     | 3.57    | ug/l # | 71       |
| 35) Methacrylonitrile        | 7.096          | 41   | 13811      | 3.53    | ug/l   | 89       |
| 36) 1,2-Dichloroethane       | 8.054          | 62   | 43445      | 3.76    | ug/l # | 77       |
| 37) Trichloroethene          | 8.770          | 130  | 23734      | 3.56    | ug/l   | 97       |
| 38) Methylcyclohexane        | 9.016          | 83   | 31155      | 3.37    | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.051          | 63   | 31342      | 3.62    | ug/l   | 93       |
| 40) Dibromomethane           | 9.145          | 93   | 19733      | 3.77    | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.338          | 83   | 41320      | 3.78    | ug/l   | 92       |
| 43) Ethyl Acetate            | 6.849          | 43   | 26980      | 2.74    | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050721\  
 Data File : VN067019.D  
 Acq On : 6 May 2021 19:12  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 07 06:09:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050721W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 07 06:08:19 2021  
 Response via : Initial Calibration

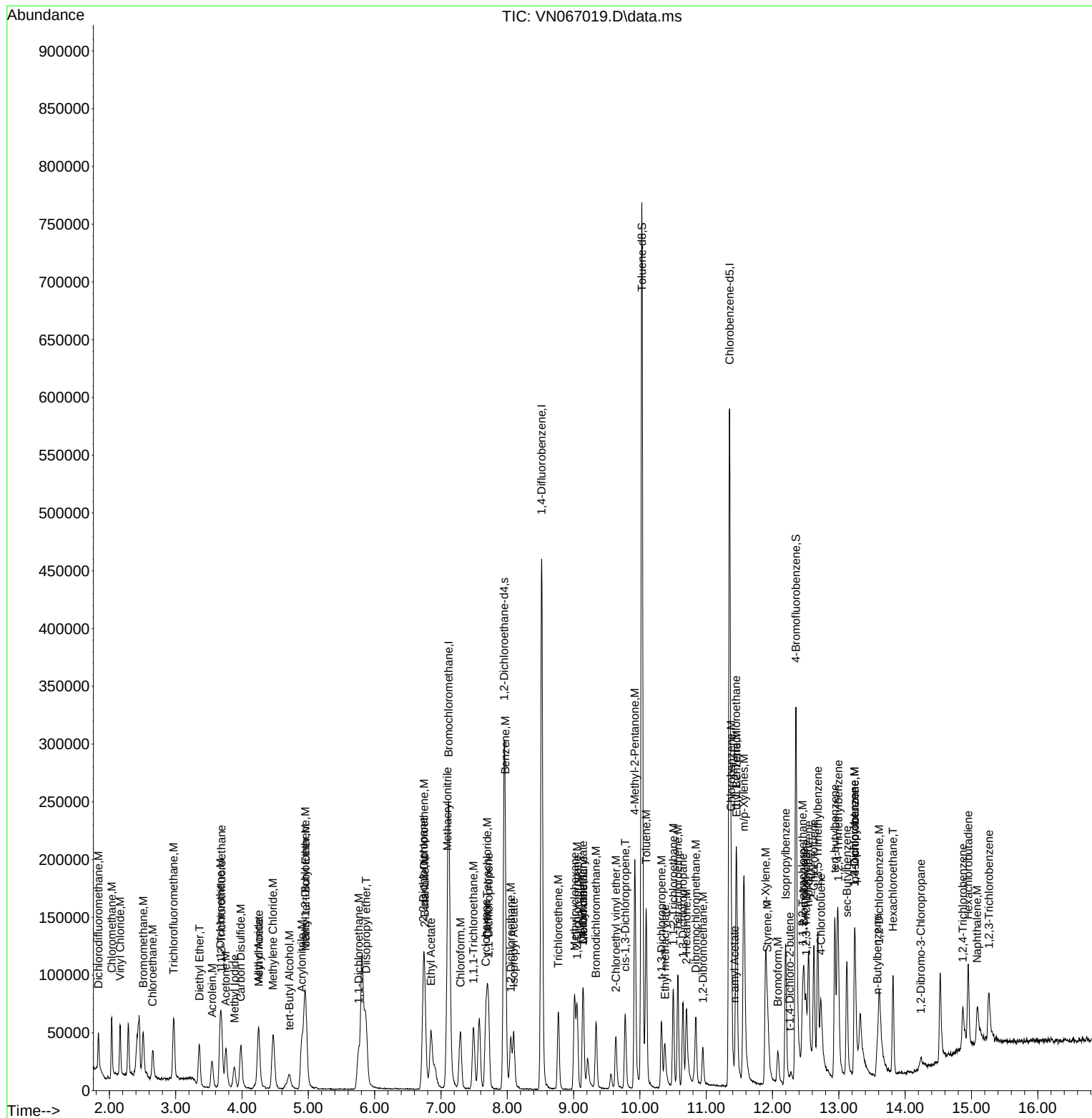
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 44) Isopropyl Acetate         | 8.096  | 43   | 55190    | 3.44  | ug/l # | 91       |
| 45) 1,4-Dioxane               | 9.140  | 88   | 6175     | 61.43 | ug/l # | 87       |
| 46) Methyl methacrylate       | 9.142  | 41   | 21585    | 3.26  | ug/l   | 99       |
| 47) n-amyl Acetate            | 11.430 | 43   | 374      | 16.54 | ug/l   | 92       |
| 48) t-1,3-Dichloropropene     | 10.328 | 75   | 37519    | 3.33  | ug/l   | 91       |
| 49) cis-1,3-Dichloropropene   | 9.781  | 75   | 42380    | 3.39  | ug/l   | 95       |
| 50) 1,1,2-Trichloroethane     | 10.505 | 97   | 26405    | 3.61  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 10.379 | 69   | 22085    | 2.39  | ug/l   | 94       |
| 52) 1,3-Dichloropropane       | 10.650 | 76   | 44748    | 3.56  | ug/l   | 99       |
| 53) Dibromochloromethane      | 10.843 | 129  | 28231    | 3.53  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 10.950 | 107  | 22698    | 3.22  | ug/l   | 95       |
| 55) 2-Chloroethyl vinyl ether | 9.639  | 63   | 23078    | 13.50 | ug/l   | 100      |
| 56) Bromoform                 | 12.079 | 173  | 16643    | 3.27  | ug/l # | 98       |
| 58) 4-Methyl-2-Pentanone      | 9.923  | 43   | 146830   | 16.00 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.703 | 43   | 63088    | 11.77 | ug/l   | 92       |
| 61) Tetrachloroethene         | 10.572 | 164  | 20918    | 3.78  | ug/l   | 99       |
| 62) Toluene                   | 10.095 | 91   | 110168   | 3.69  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.376 | 112  | 62734    | 3.57  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.452 | 131  | 26157    | 3.79  | ug/l   | 95       |
| 66) Ethyl Benzene             | 11.460 | 91   | 95838    | 3.15  | ug/l   | 99       |
| 67) m/p-Xylenes               | 11.570 | 106  | 69453    | 6.12  | ug/l   | 94       |
| 68) o-Xylene                  | 11.897 | 106  | 34378    | 3.11  | ug/l   | 96       |
| 69) Styrene                   | 11.924 | 104  | 47017    | 2.73  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.197 | 105  | 87149    | 3.01  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.452 | 83   | 35296    | 3.19  | ug/l   | 94       |
| 72) 1,2,3-Trichloropropane    | 12.508 | 75   | 23855    | 2.48  | ug/l   | 70       |
| 73) Bromobenzene              | 12.476 | 156  | 22590    | 3.19  | ug/l   | 95       |
| 74) n-propylbenzene           | 12.543 | 91   | 90567    | 2.70  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 12.624 | 91   | 57671    | 2.60  | ug/l   | 88       |
| 76) 1,3,5-Trimethylbenzene    | 12.683 | 105  | 75330    | 2.91  | ug/l   | 97       |
| 77) t-1,4-Dichloro-2-butene   | 12.259 | 75   | 873      | 0.42  | ug/l # | 51       |
| 78) 4-Chlorotoluene           | 12.728 | 91   | 35180    | 1.71  | ug/l   | 80       |
| 79) tert-butylbenzene         | 12.940 | 119  | 66949    | 3.09  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 12.991 | 105  | 62586    | 2.57  | ug/l   | 94       |
| 81) sec-Butylbenzene          | 13.120 | 105  | 81166    | 2.85  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.240 | 119  | 54357    | 2.41  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene       | 13.238 | 146  | 31031    | 2.71  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 13.238 | 146  | 31031    | 2.87  | ug/l   | 94       |
| 85) n-Butylbenzene            | 13.581 | 91   | 13814    | 0.82  | ug/l   | 76       |
| 86) Hexachloroethane          | 13.817 | 117  | 17737    | 3.60  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene       | 13.608 | 146  | 33610    | 2.77  | ug/l   | 85       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.235 | 75   | 2843     | 1.70  | ug/l # | 69       |
| 89) 1,2,4-Trichlorobenzene    | 14.868 | 180  | 13613    | 2.42  | ug/l   | 91       |
| 90) Hexachlorobutadiene       | 14.952 | 225  | 14813    | 3.81  | ug/l   | 95       |
| 91) Naphthalene               | 15.086 | 128  | 40798    | 2.60  | ug/l # | 77       |
| 92) 1,2,3-Trichlorobenzene    | 15.265 | 180  | 17118    | 2.81  | ug/l   | 97       |

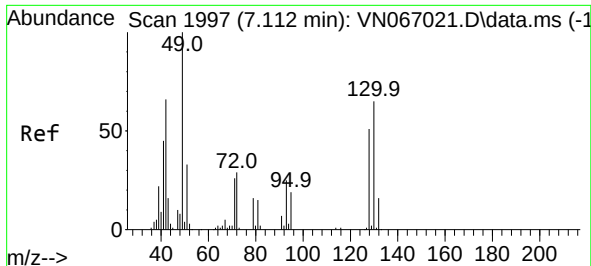
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050721\  
Data File : VN067019.D  
Acq On : 6 May 2021 19:12  
Operator : JC/MD  
Sample : VSTDIC005  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Quant Time: May 07 06:09:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N050721W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri May 07 06:08:19 2021  
Response via : Initial Calibration

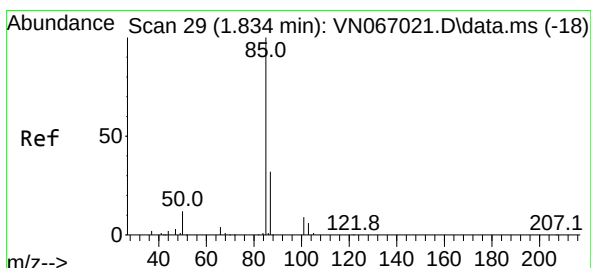
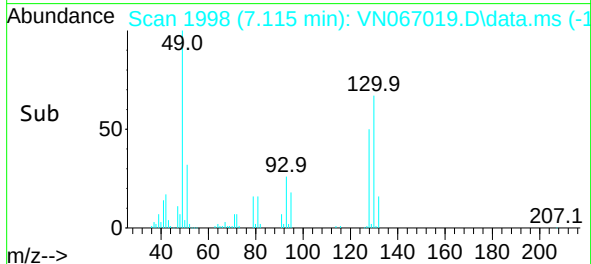
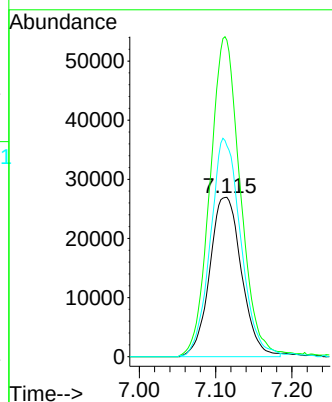
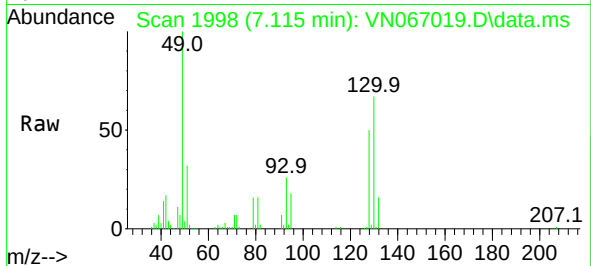




#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.115 min Scan# 1998  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

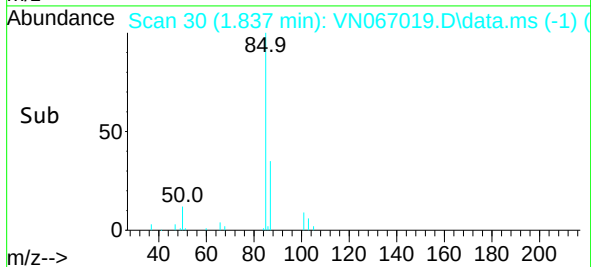
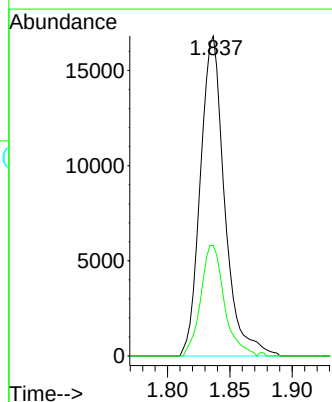
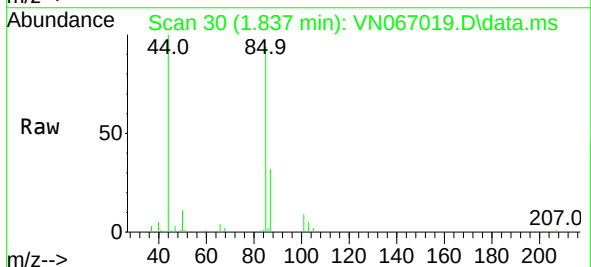
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

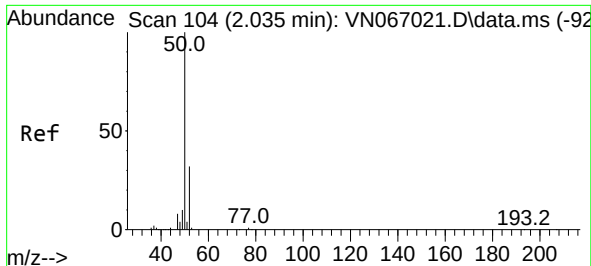
Tgt Ion:128 Resp: 77973  
Ion Ratio Lower Upper  
128 100  
49 191.8 0.0 486.3  
130 131.4 0.0 326.0



#2  
Dichlorodifluoromethane  
Concen: 2.83 ug/l  
RT: 1.837 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 85 Resp: 22757  
Ion Ratio Lower Upper  
85 100  
87 34.5 16.1 48.3

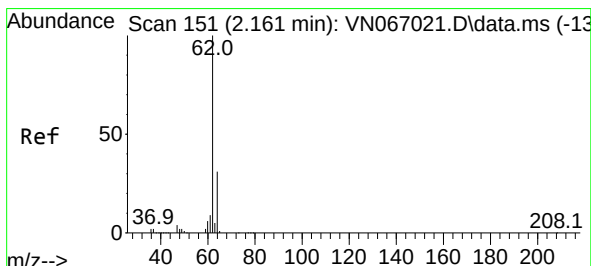
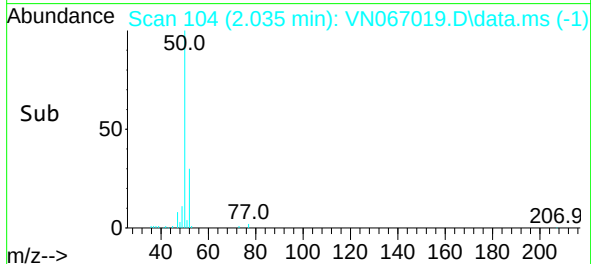
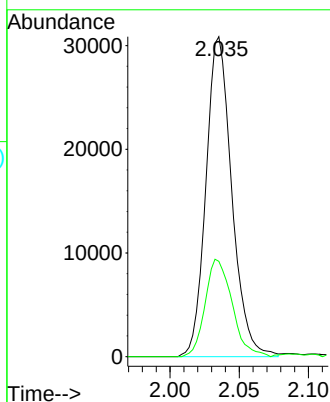
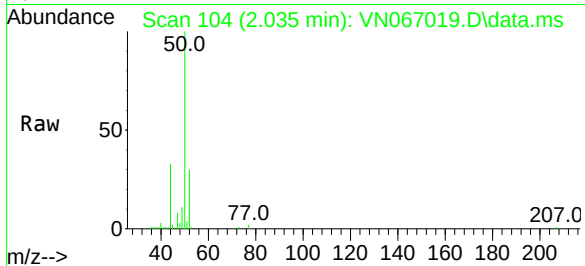




#3  
Chloromethane  
Concen: 3.49 ug/l  
RT: 2.035 min Scan# 104  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

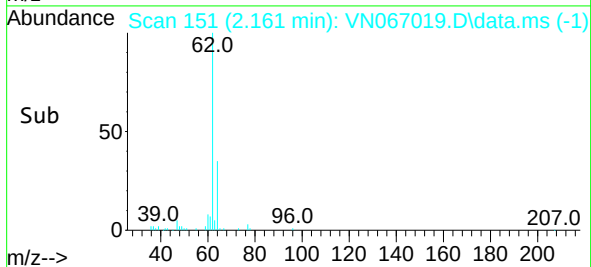
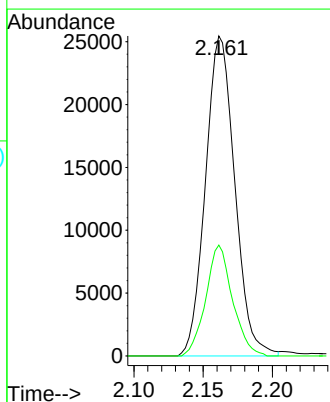
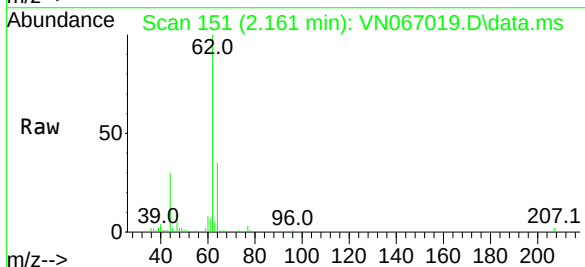
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

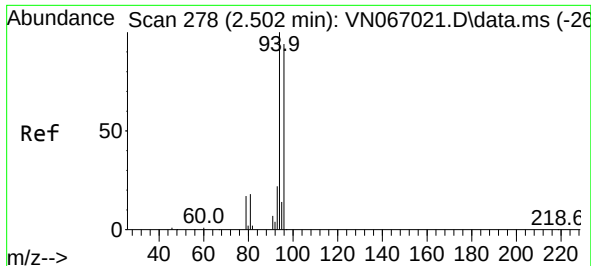
Tgt Ion: 50 Resp: 40111  
Ion Ratio Lower Upper  
50 100  
52 29.8 25.9 38.9



#4  
Vinyl Chloride  
Concen: 3.40 ug/l  
RT: 2.161 min Scan# 151  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 62 Resp: 37484  
Ion Ratio Lower Upper  
62 100  
64 34.6 24.7 37.1

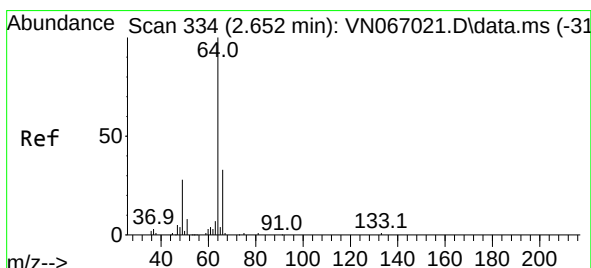
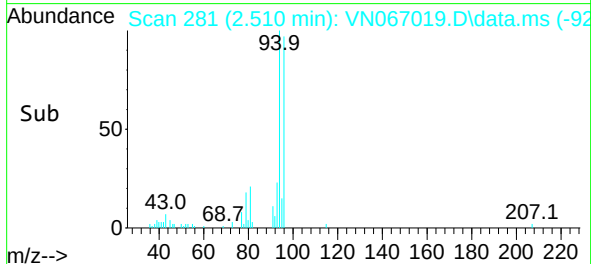
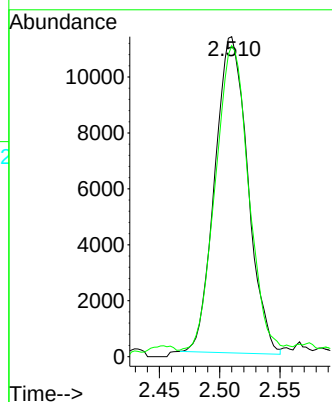
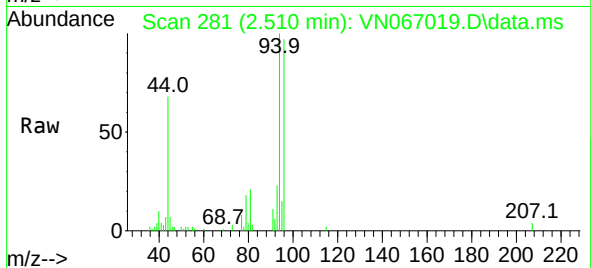




#5  
Bromomethane  
Concen: 3.52 ug/l  
RT: 2.510 min Scan# 281  
Delta R.T. 0.008 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

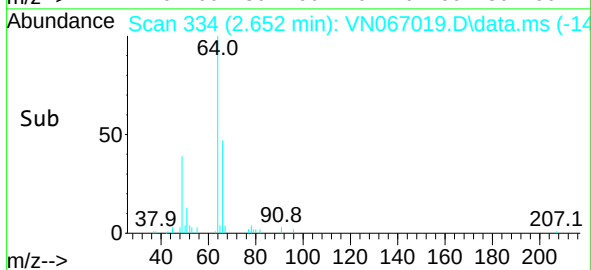
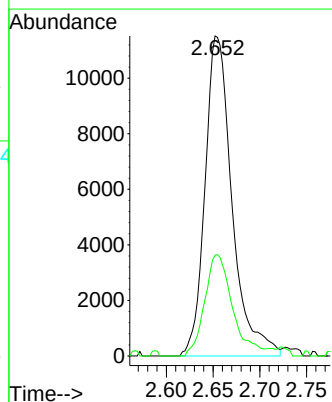
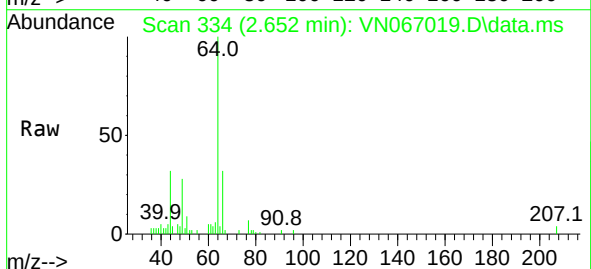
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

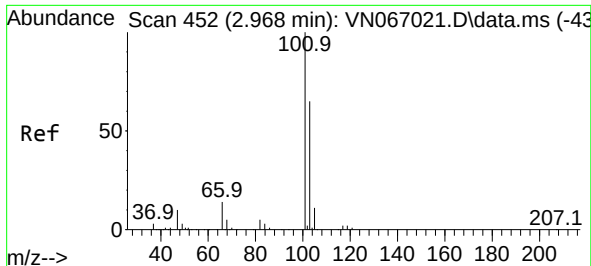
Tgt Ion: 94 Resp: 21463  
Ion Ratio Lower Upper  
94 100  
96 96.7 75.4 113.2



#6  
Chloroethane  
Concen: 3.71 ug/l  
RT: 2.652 min Scan# 334  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 64 Resp: 23235  
Ion Ratio Lower Upper  
64 100  
66 31.5 26.7 40.1

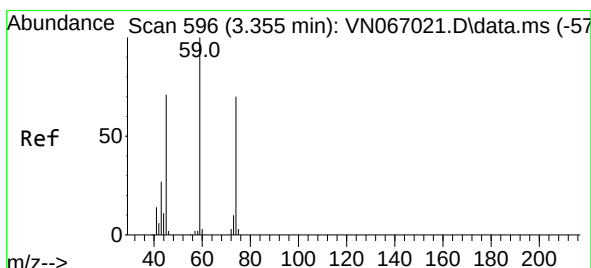
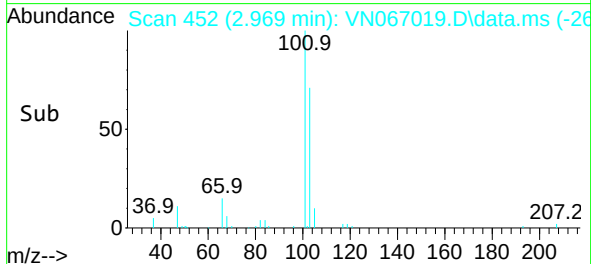
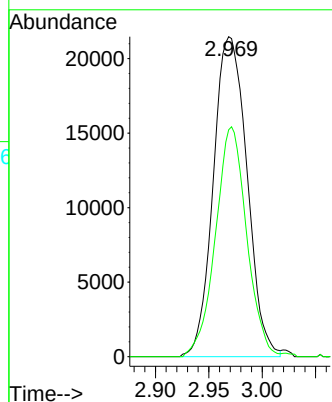
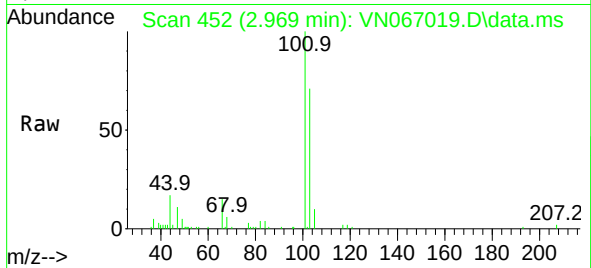




#7  
 Trichlorofluoromethane  
 Concen: 3.46 ug/l  
 RT: 2.969 min Scan# 452  
 Delta R.T. 0.000 min  
 Lab File: VN067019.D  
 Acq: 6 May 2021 19:12

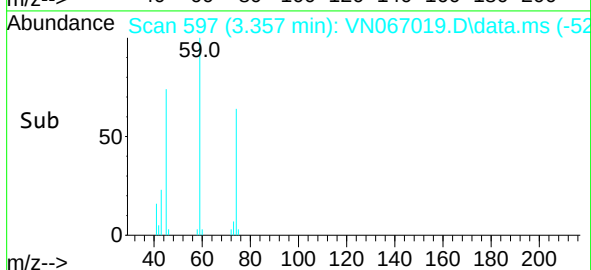
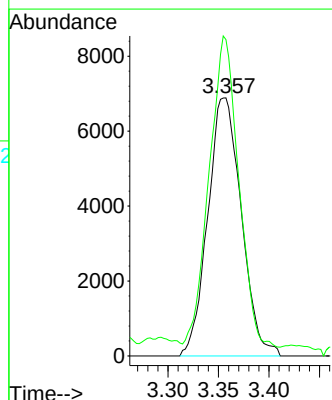
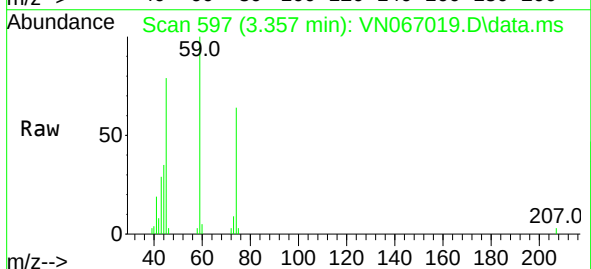
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

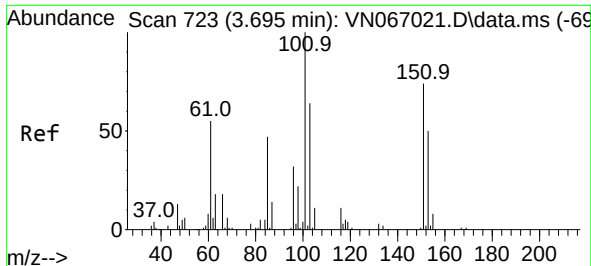
Tgt Ion:101 Resp: 47075  
 Ion Ratio Lower Upper  
 101 100  
 103 70.9 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 3.66 ug/l  
 RT: 3.357 min Scan# 597  
 Delta R.T. 0.003 min  
 Lab File: VN067019.D  
 Acq: 6 May 2021 19:12

Tgt Ion: 74 Resp: 15902  
 Ion Ratio Lower Upper  
 74 100  
 45 103.2 21.1 190.3

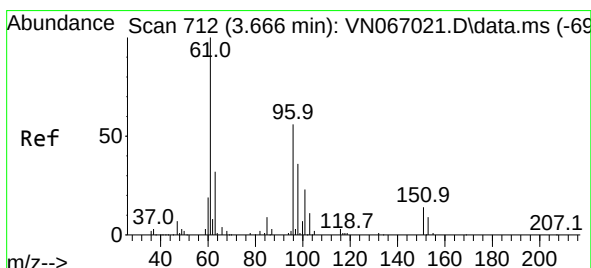
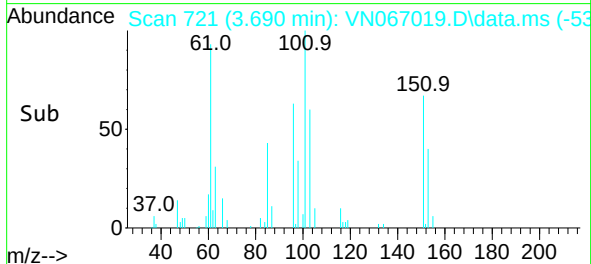
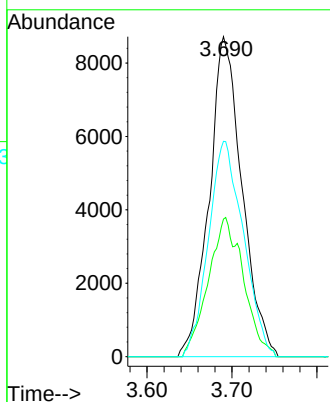
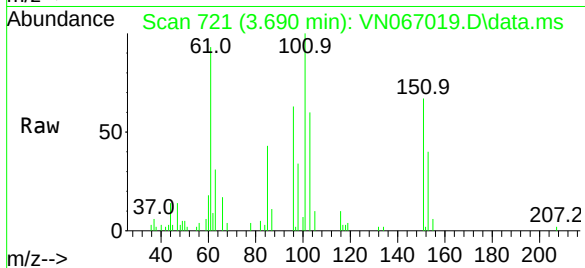




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 3.56 ug/l  
 RT: 3.690 min Scan# 721  
 Delta R.T. -0.005 min  
 Lab File: VN067019.D  
 Acq: 6 May 2021 19:12

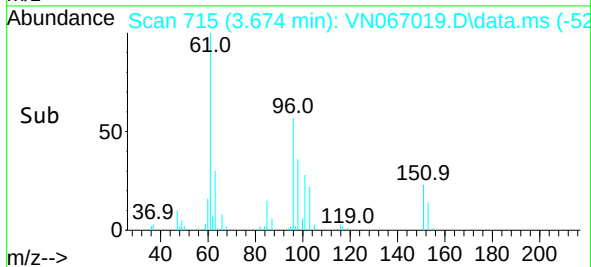
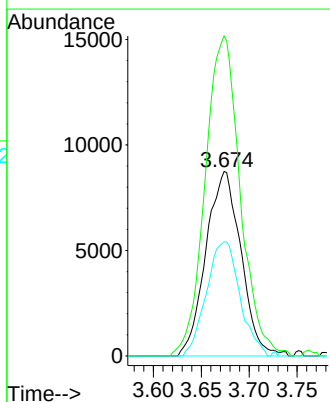
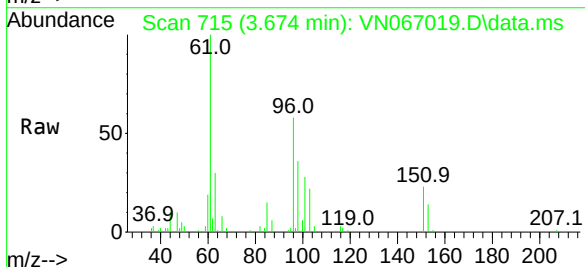
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tgt Ion:101 Resp: 23387  
 Ion Ratio Lower Upper  
 101 100  
 85 31.0 0.0 90.4  
 151 71.7 0.0 145.8

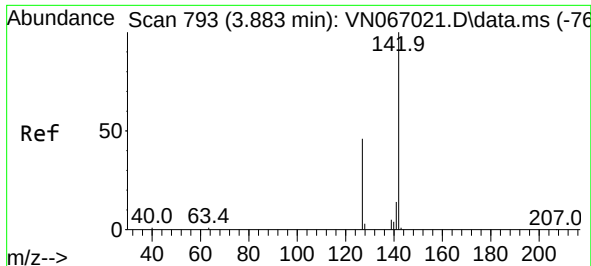


#10  
 1,1-Dichloroethene  
 Concen: 3.57 ug/l  
 RT: 3.674 min Scan# 715  
 Delta R.T. 0.008 min  
 Lab File: VN067019.D  
 Acq: 6 May 2021 19:12

Tgt Ion: 96 Resp: 22150  
 Ion Ratio Lower Upper  
 96 100  
 61 170.3 142.5 213.7  
 98 61.9 51.3 76.9

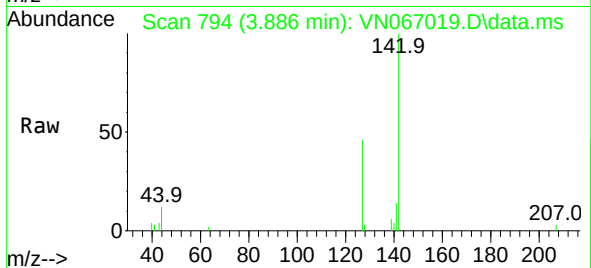




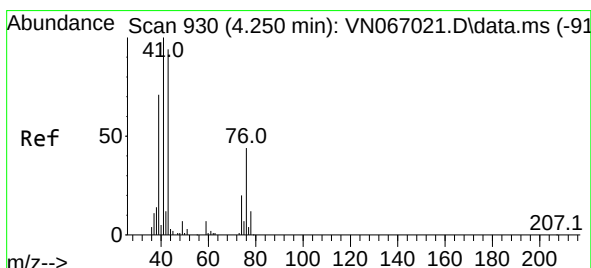
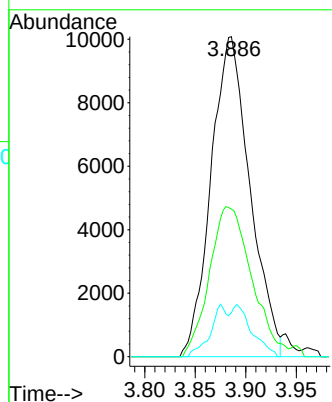
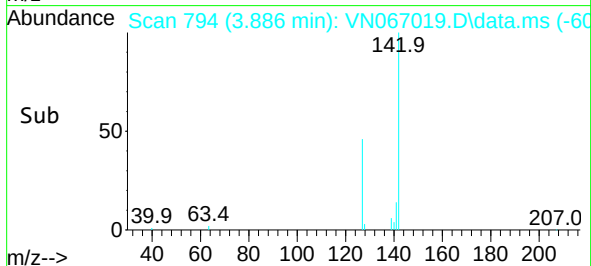


#11  
Methyl Iodide  
Concen: 3.23 ug/l  
RT: 3.886 min Scan# 794  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

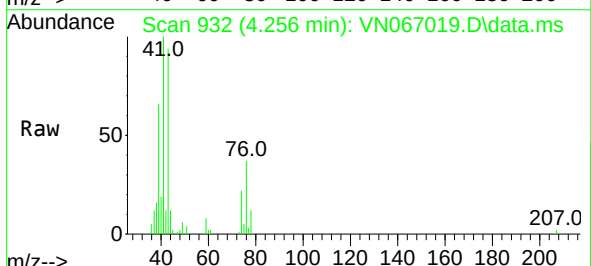
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



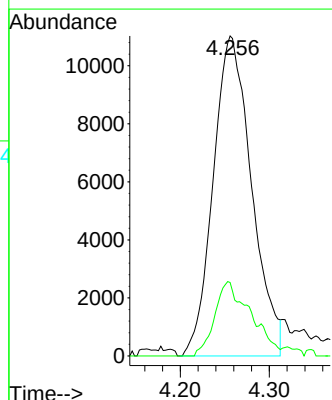
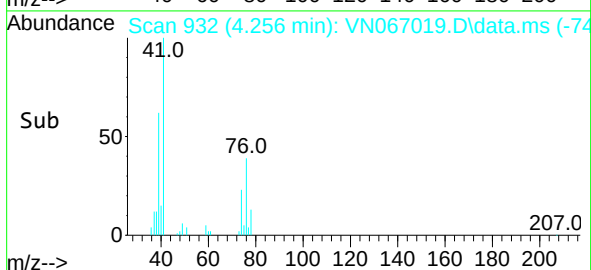
Tgt Ion:142 Resp: 27027  
Ion Ratio Lower Upper  
142 100  
127 45.4 22.9 68.5  
141 14.2 7.1 21.4

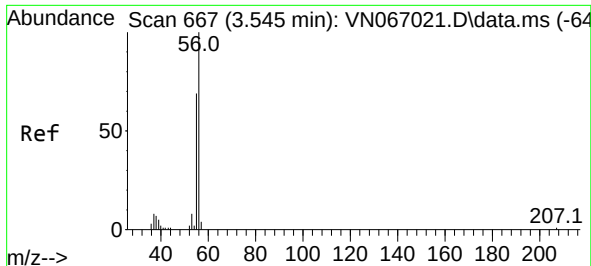


#12  
Methyl Acetate  
Concen: 3.87 ug/l  
RT: 4.256 min Scan# 932  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12



Tgt Ion: 43 Resp: 33070  
Ion Ratio Lower Upper  
43 100  
74 23.3 17.2 25.8

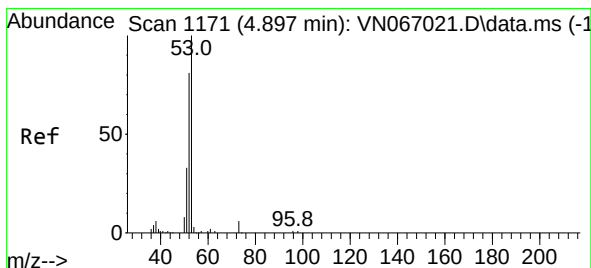
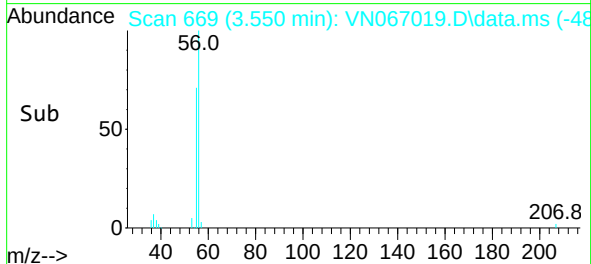
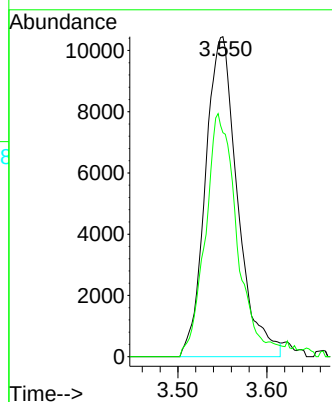
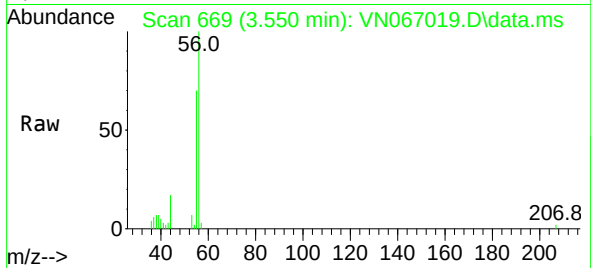




#13  
Acrolein  
Concen: 19.07 ug/l  
RT: 3.550 min Scan# 669  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

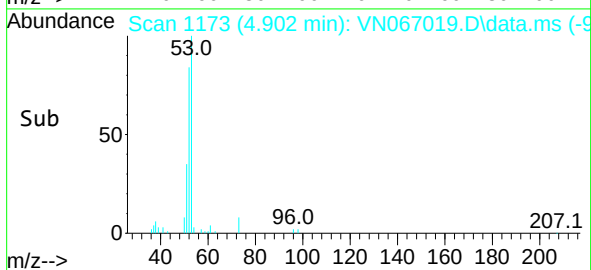
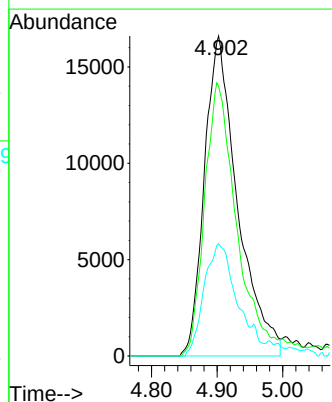
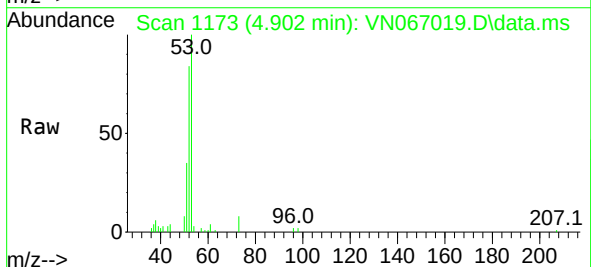
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

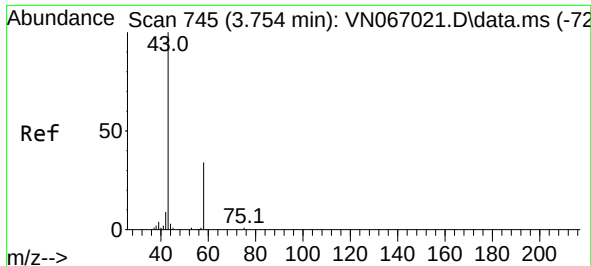
Tgt Ion: 56 Resp: 26192  
Ion Ratio Lower Upper  
56 100  
55 73.3 56.6 84.8



#14  
Acrylonitrile  
Concen: 16.79 ug/l  
RT: 4.902 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 53 Resp: 58252  
Ion Ratio Lower Upper  
53 100  
52 81.0 39.1 117.3  
51 32.9 17.3 51.7

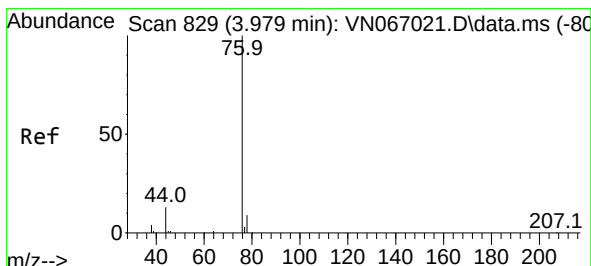
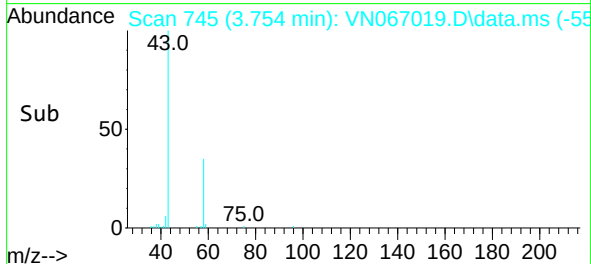
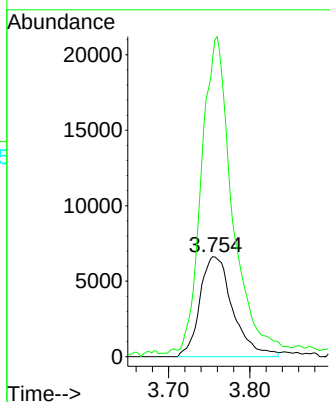
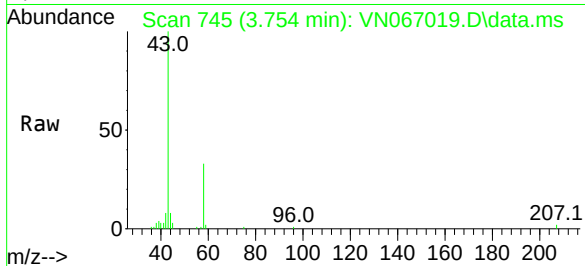




#15  
Acetone  
Concen: 18.68 ug/l  
RT: 3.754 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

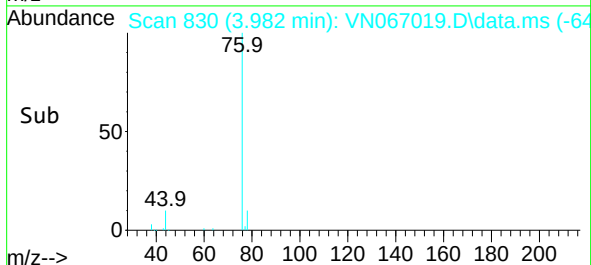
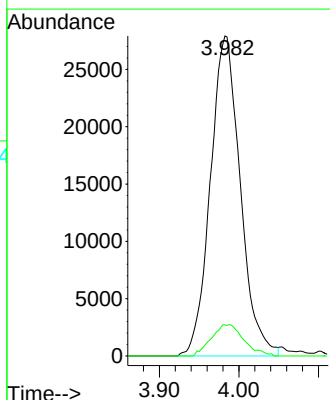
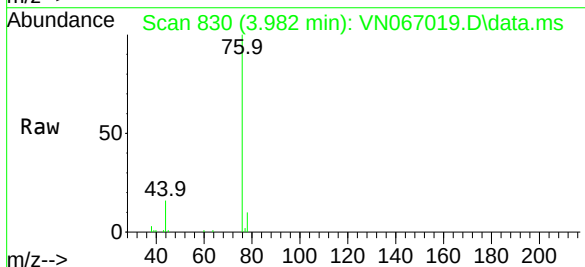
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

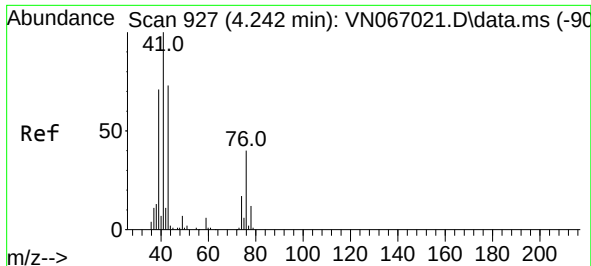
Tgt Ion: 58 Resp: 18650  
Ion Ratio Lower Upper  
58 100  
43 293.1 235.0 352.6



#16  
Carbon Disulfide  
Concen: 3.54 ug/l  
RT: 3.982 min Scan# 830  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 76 Resp: 73078  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.5 11.3





#17

Allyl chloride

Concen: 3.43 ug/l

RT: 4.250 min Scan# 930

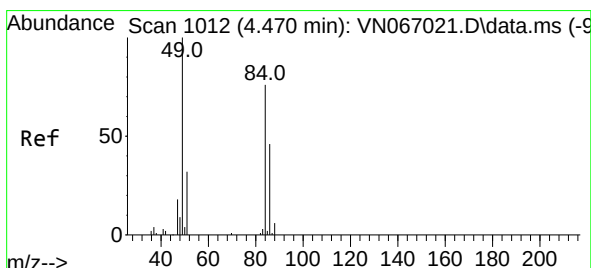
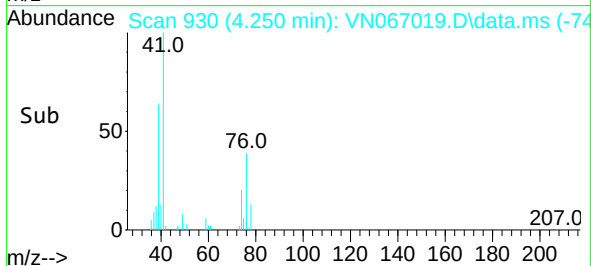
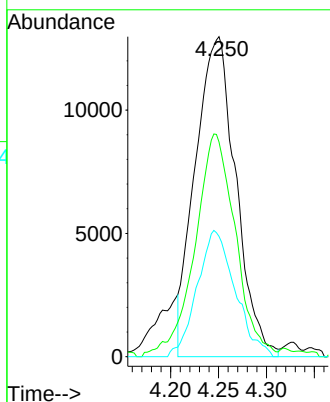
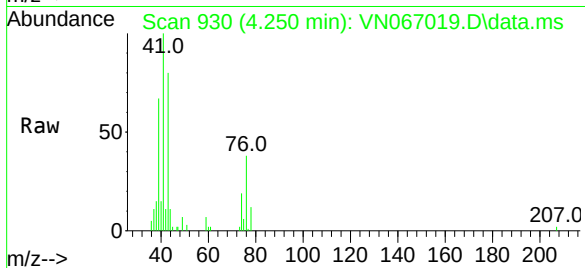
Delta R.T. 0.008 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 38249 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 67.1  | 33.1  | 99.5  |
| 76       | 38.5  | 17.9  | 53.8  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



#18

Methylene Chloride

Concen: 4.00 ug/l

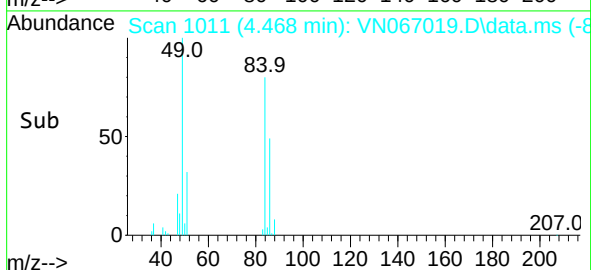
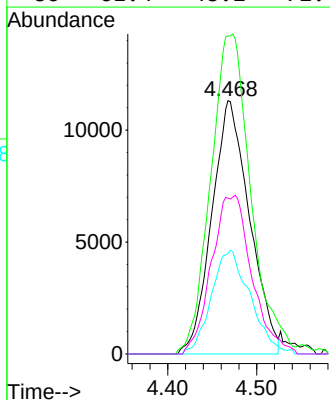
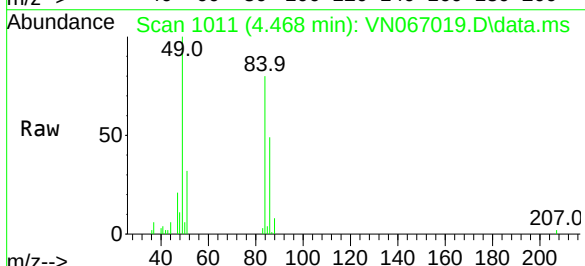
RT: 4.468 min Scan# 1011

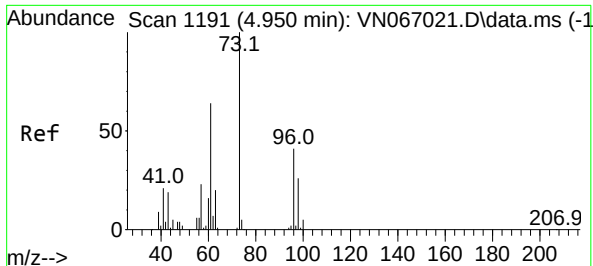
Delta R.T. -0.002 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 33276 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.9 | 105.0 | 157.6 |
| 51       | 39.7  | 33.3  | 49.9  |
| 86       | 61.4  | 48.2  | 72.4  |



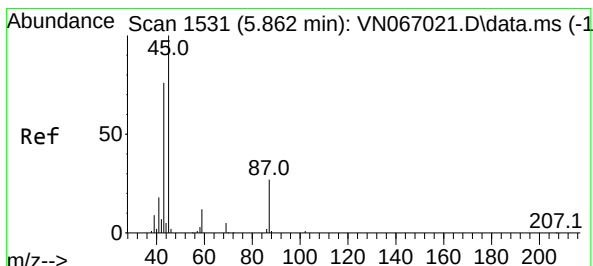
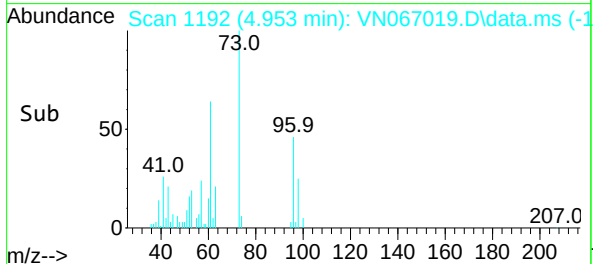
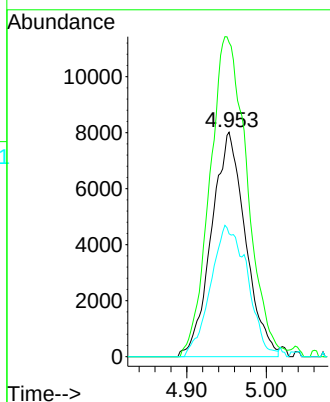
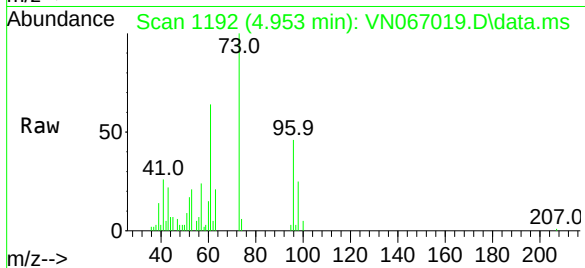


#19

trans-1,2-Dichloroethene  
Concen: 3.50 ug/l  
RT: 4.953 min Scan# 1192  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

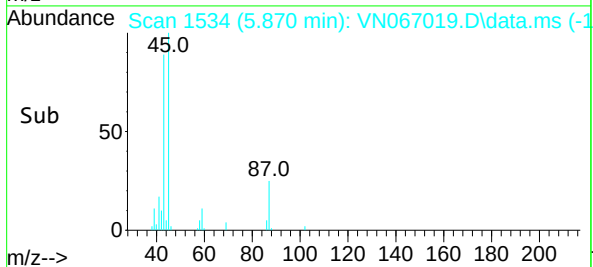
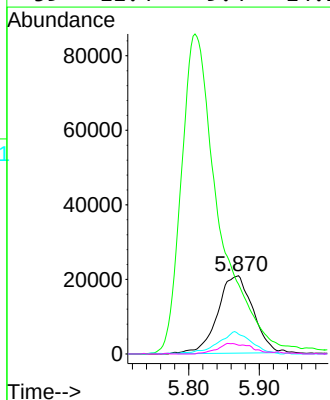
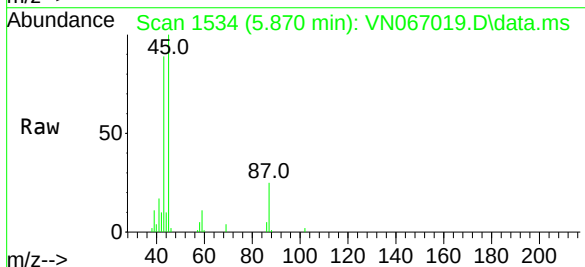
Tgt Ion: 96 Resp: 23822  
Ion Ratio Lower Upper  
96 100  
61 140.0 127.2 190.8  
98 54.8 50.9 76.3

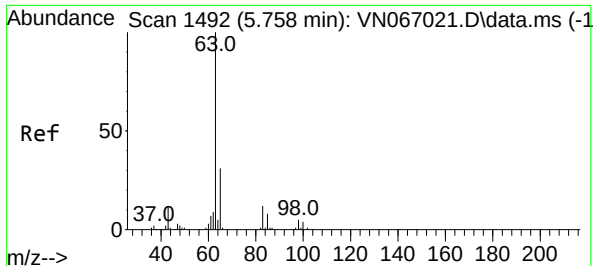


#20

Diisopropyl ether  
Concen: 3.15 ug/l  
RT: 5.870 min Scan# 1534  
Delta R.T. 0.008 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 45 Resp: 71445  
Ion Ratio Lower Upper  
45 100  
43 78.0 64.3 96.5  
87 25.0 22.0 33.0  
59 11.4 9.4 14.2





#21

1,1-Dichloroethane

Concen: 3.59 ug/l

RT: 5.760 min Scan# 1493

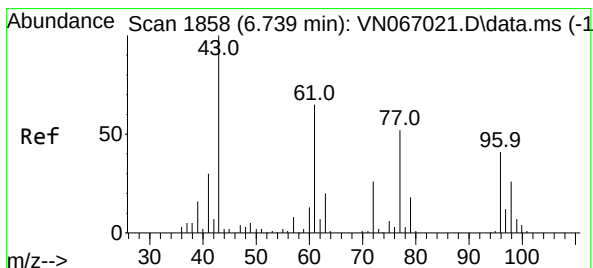
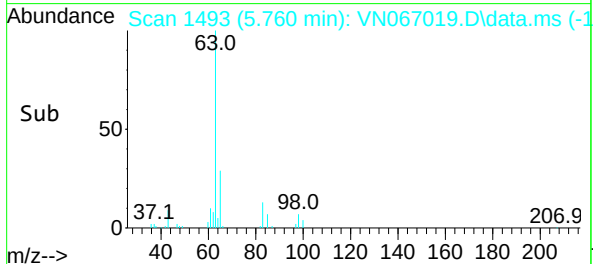
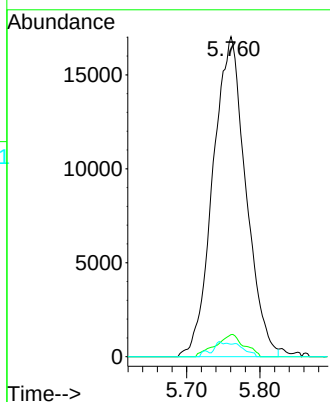
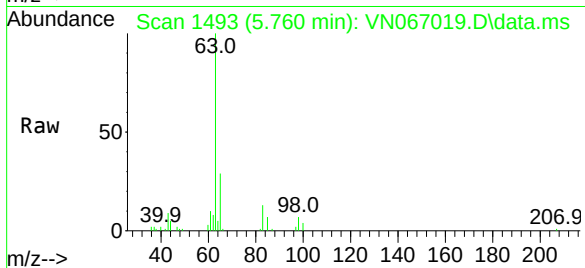
Delta R.T. 0.003 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 53171 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 6.9   | 2.6   | 8.0   |
| 100      | 3.9   | 2.0   | 5.8   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



#22

cis-1,2-Dichloroethene

Concen: 3.35 ug/l

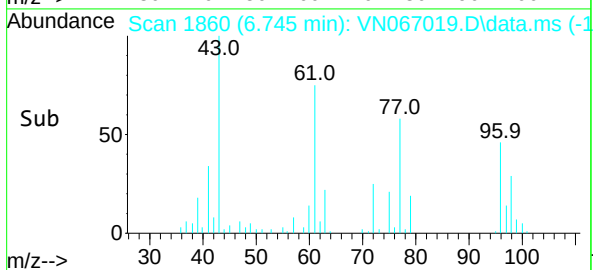
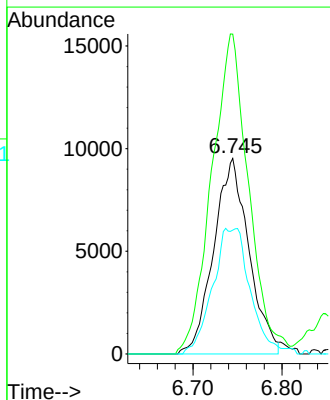
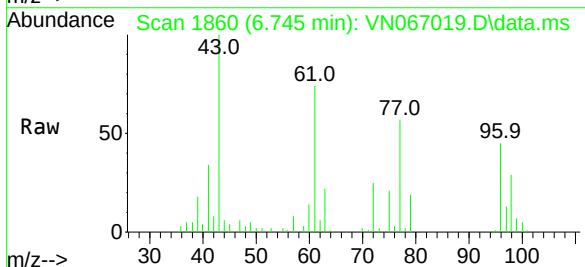
RT: 6.745 min Scan# 1860

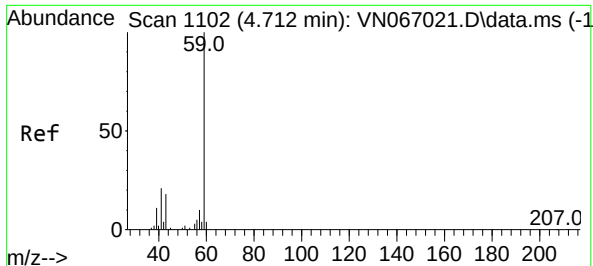
Delta R.T. 0.006 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 26145 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 171.0 | 129.4 | 194.2 |
| 98       | 34.1  | 52.0  | 78.0  |

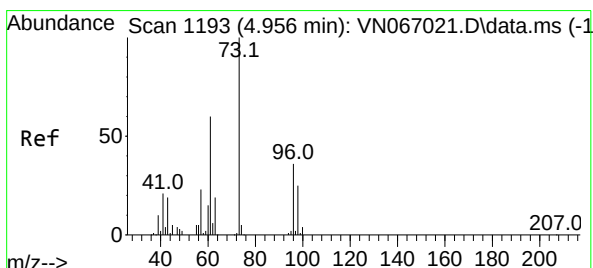
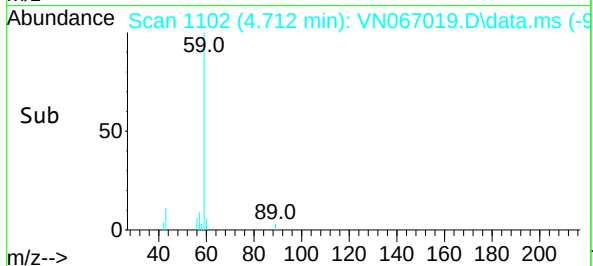
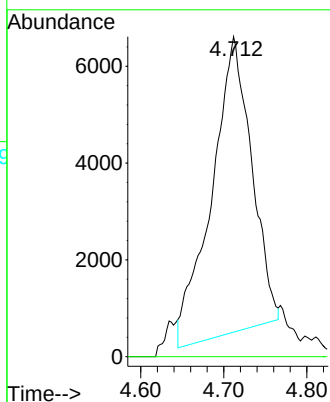
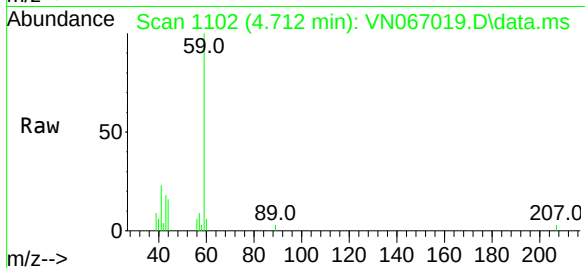




#23  
tert-Butyl Alcohol  
Concen: 15.50 ug/l  
RT: 4.712 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

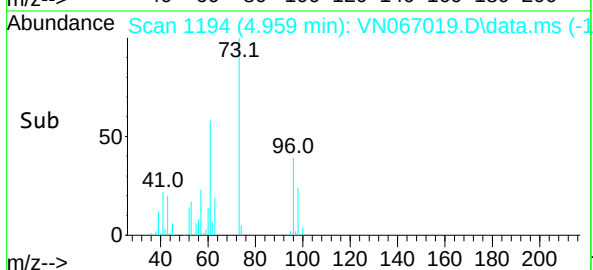
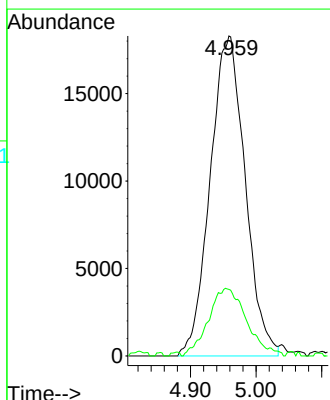
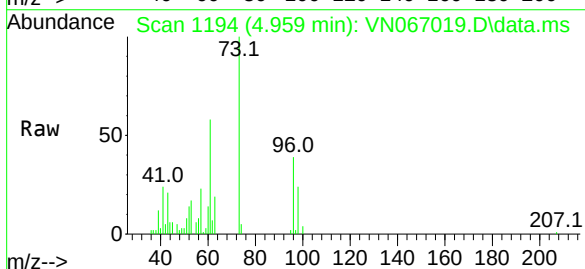
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

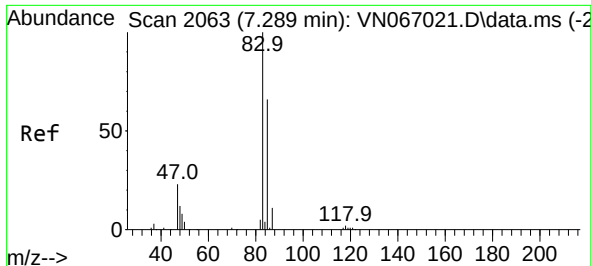
Tgt Ion: 59 Resp: 20402  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 3.30 ug/l  
RT: 4.959 min Scan# 1194  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 73 Resp: 67683  
Ion Ratio Lower Upper  
73 100  
43 8.0 16.2 24.4#

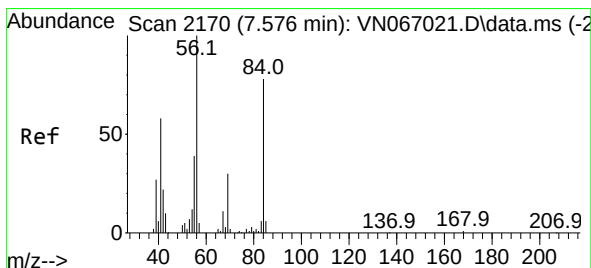
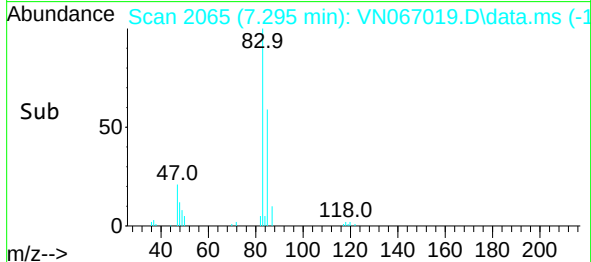
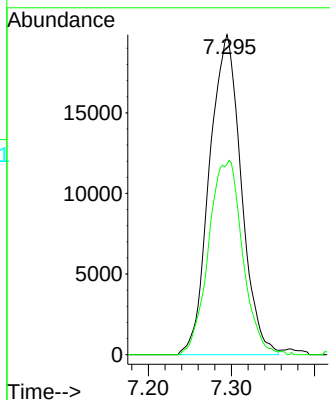
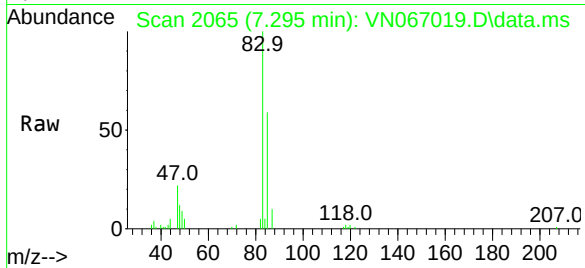




#25  
Chloroform  
Concen: 3.73 ug/l  
RT: 7.295 min Scan# 2065  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

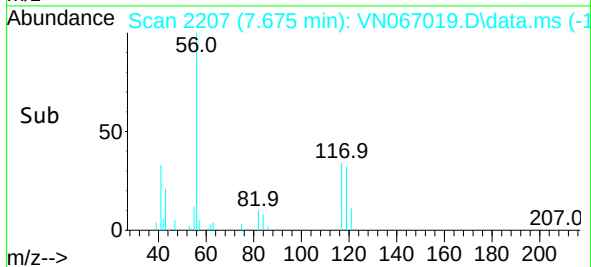
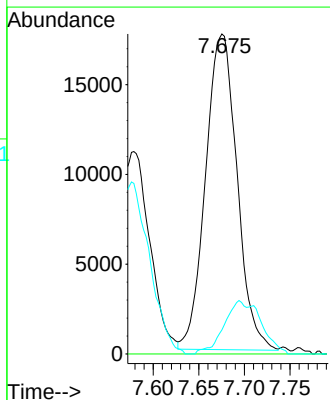
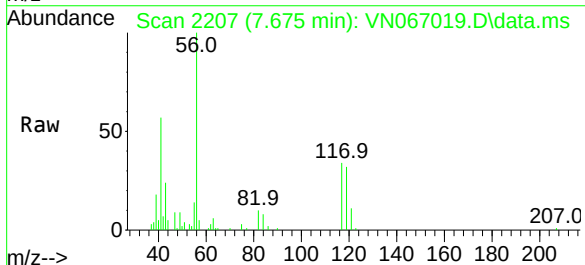
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 83 Resp: 52645  
Ion Ratio Lower Upper  
83 100  
85 59.5 53.0 79.6

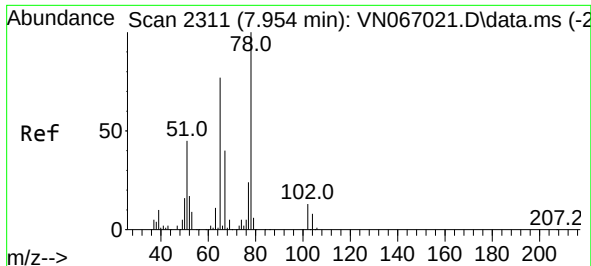


#26  
Cyclohexane  
Concen: 4.13 ug/l  
RT: 7.675 min Scan# 2207  
Delta R.T. 0.099 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 56 Resp: 42238  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 11.8 64.2 96.2#







#27

1,2-Dichloroethane-d4

Concen: 13.17 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

Tgt Ion: 65 Resp: 206813

Ion Ratio Lower Upper

65 100

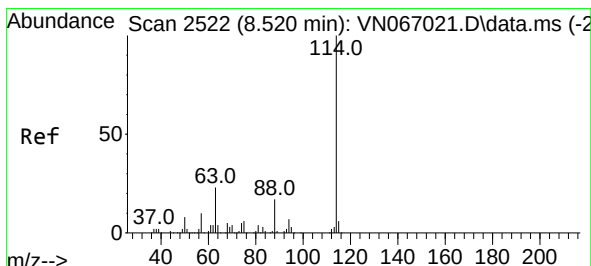
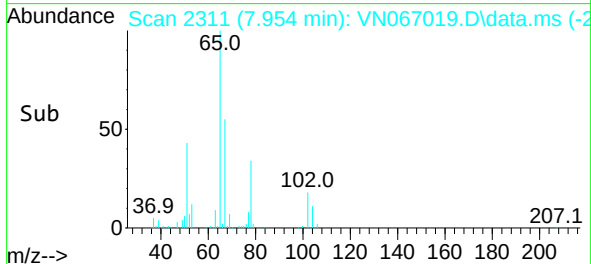
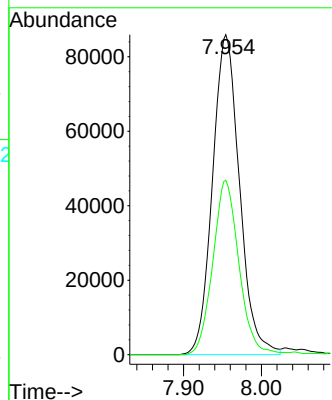
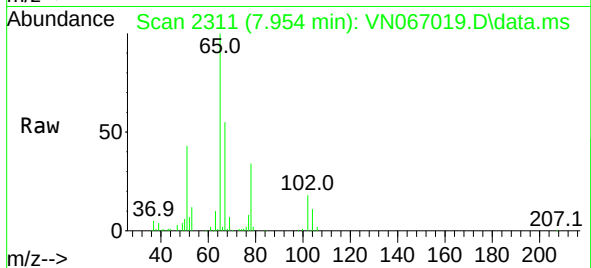
67 52.6 41.6 62.4

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.518 min Scan# 2521

Delta R.T. -0.002 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

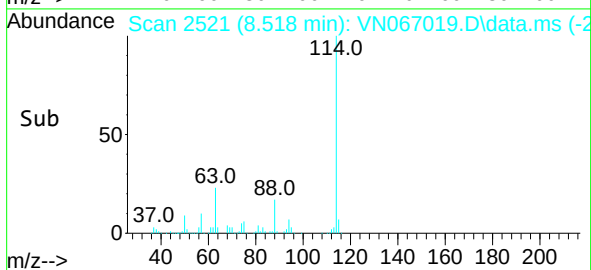
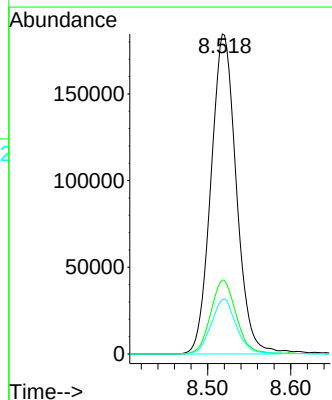
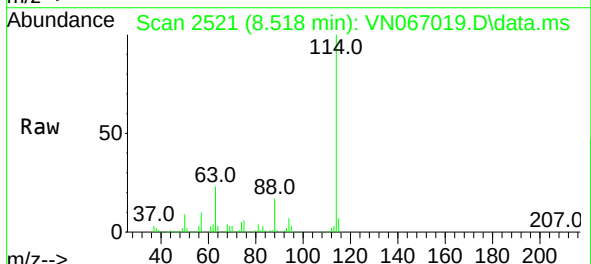
Tgt Ion: 114 Resp: 391005

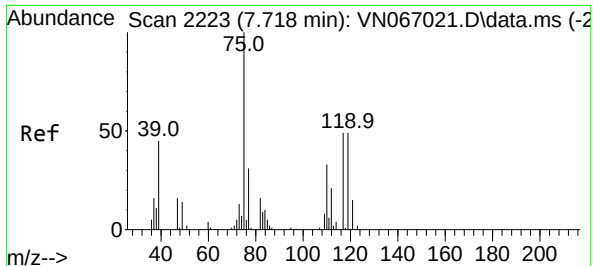
Ion Ratio Lower Upper

114 100

63 23.3 18.8 28.2

88 17.1 13.8 20.6



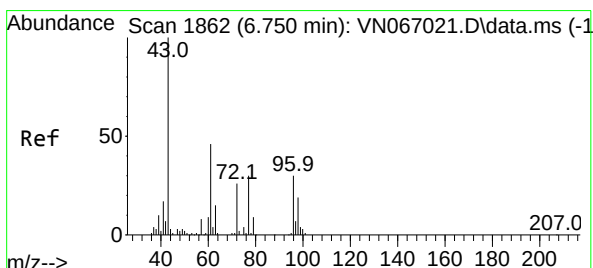
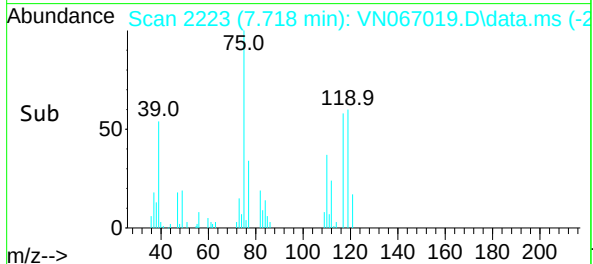
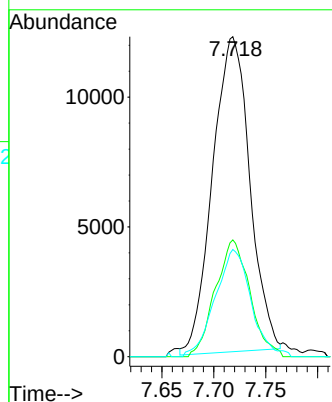
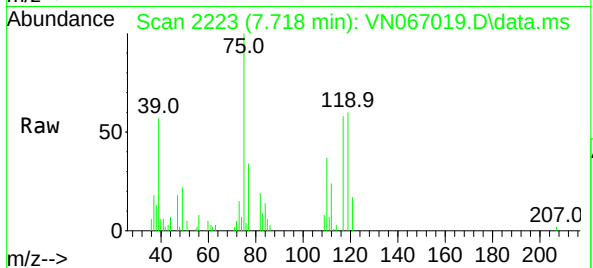


#29

1,1-Dichloropropene  
Concen: 3.15 ug/l  
RT: 7.718 min Scan# 2223  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

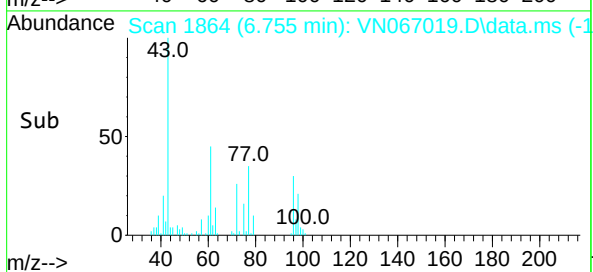
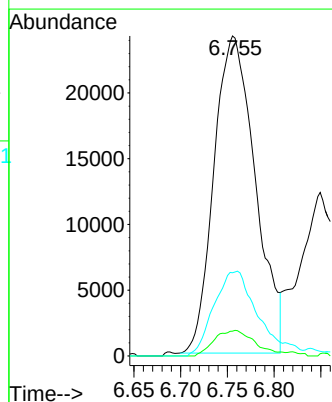
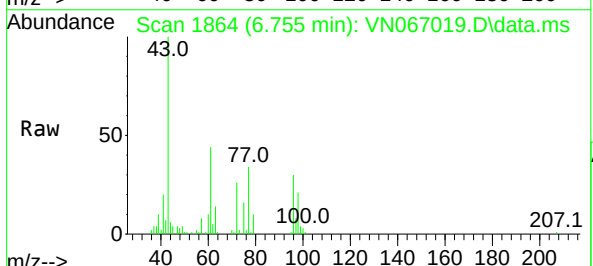
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 30234 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 34.4  | 0.0   | 65.6  |
| 77        | 32.3  | 0.0   | 60.2  |

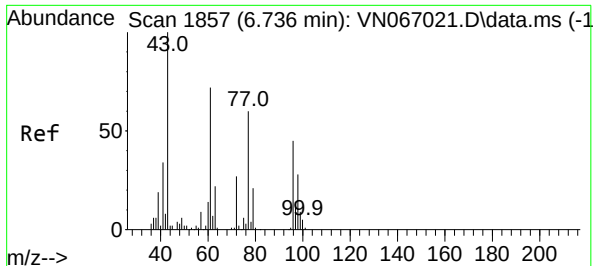


#30

2-Butanone  
Concen: 16.44 ug/l  
RT: 6.755 min Scan# 1864  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 74240 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 57        | 2.6   | 6.5   | 9.7#  |
| 72        | 12.6  | 21.2  | 31.8# |

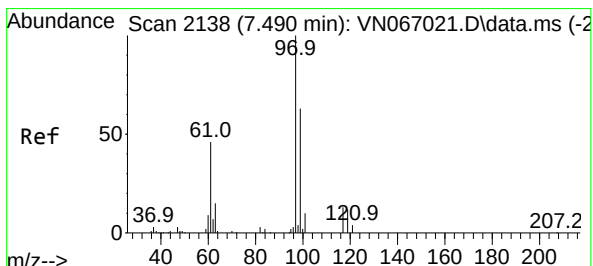
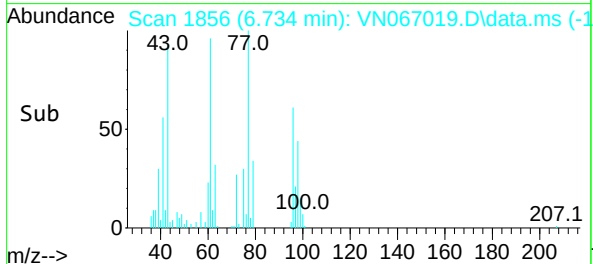
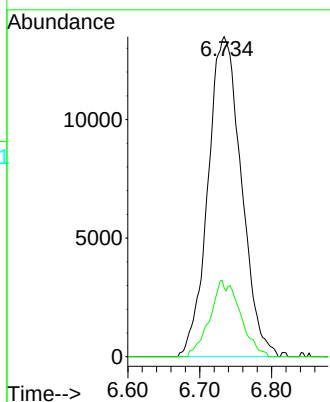
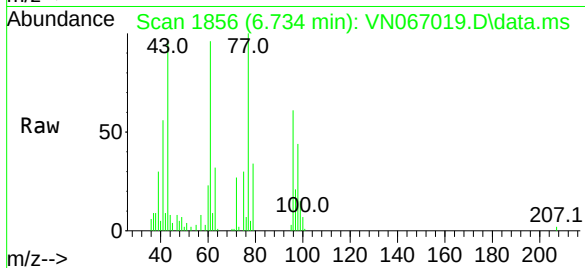




#31  
2,2-Dichloropropane  
Concen: 3.83 ug/l  
RT: 6.734 min Scan# 1856  
Delta R.T. -0.002 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

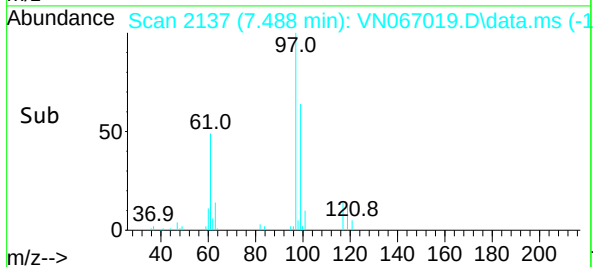
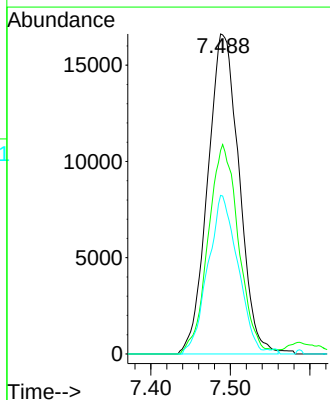
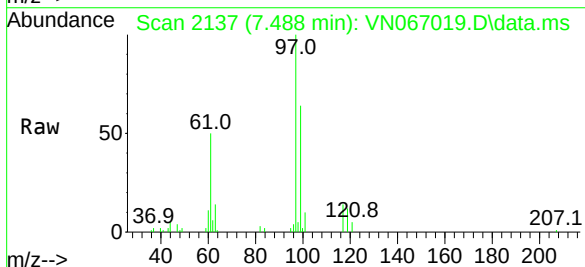
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

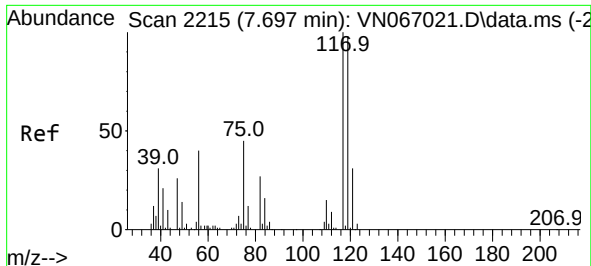
Tgt Ion: 77 Resp: 43470  
Ion Ratio Lower Upper  
77 100  
97 11.7 17.4 26.2#



#32  
1,1,1-Trichloroethane  
Concen: 3.68 ug/l  
RT: 7.488 min Scan# 2137  
Delta R.T. -0.002 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

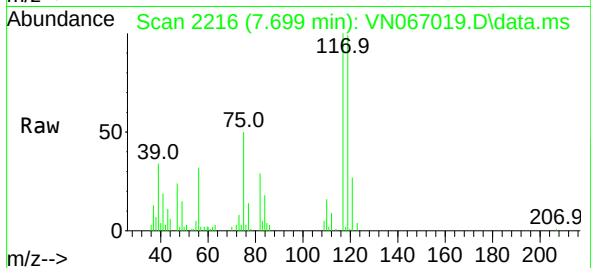
Tgt Ion: 97 Resp: 45560  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.6 75.8  
61 47.2 36.6 55.0



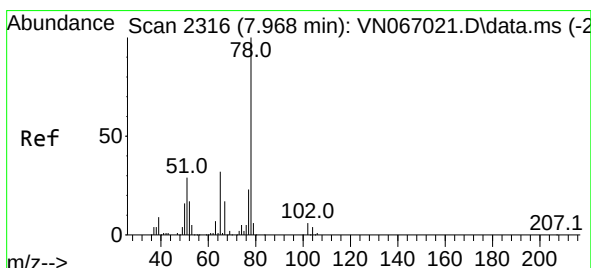
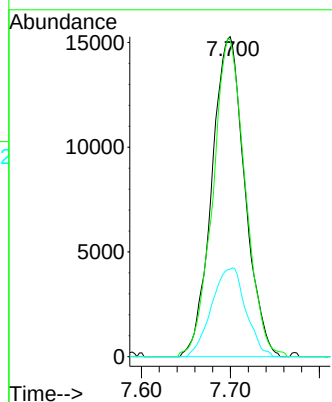
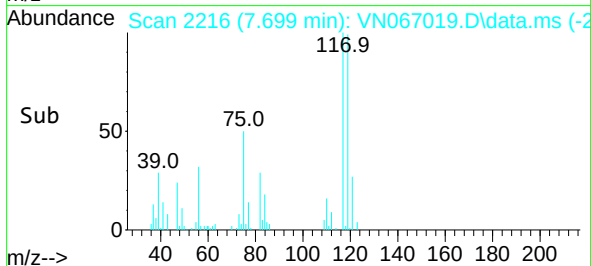


#33  
Carbon Tetrachloride  
Concen: 3.66 ug/l  
RT: 7.699 min Scan# 2216  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

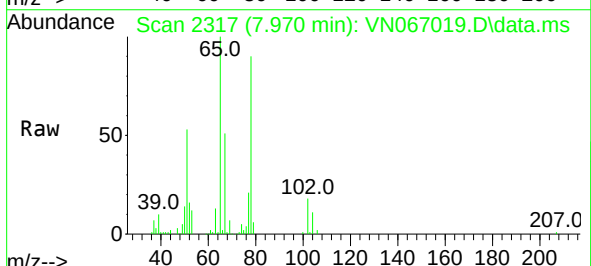
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



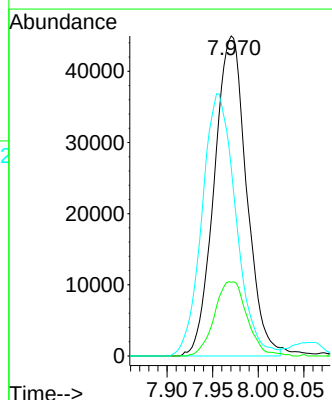
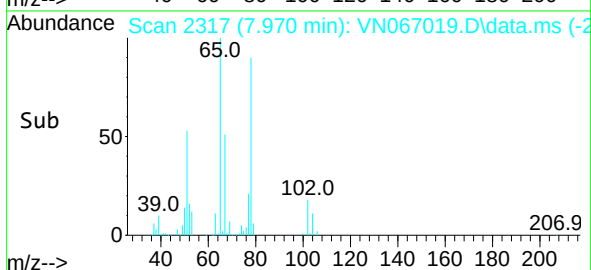
Tgt Ion:117 Resp: 39352  
Ion Ratio Lower Upper  
117 100  
119 97.8 78.0 117.0  
121 27.4 24.8 37.2

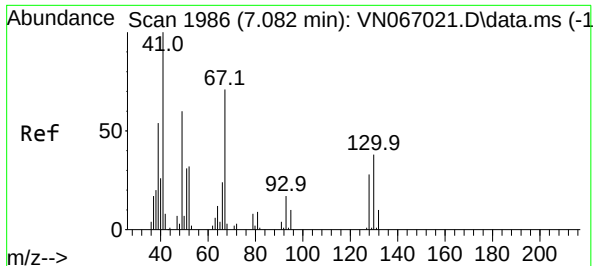


#34  
Benzene  
Concen: 3.57 ug/l  
RT: 7.970 min Scan# 2317  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12



Tgt Ion: 78 Resp: 110442  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.6 27.8  
51 56.9 23.4 35.0#





#35

Methacrylonitrile

Concen: 3.53 ug/l

RT: 7.096 min Scan# 1991

Delta R.T. 0.014 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

Tgt Ion: 41 Resp: 13811

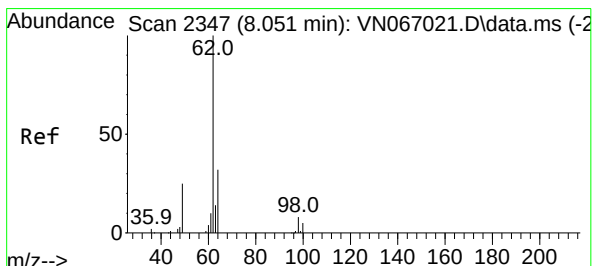
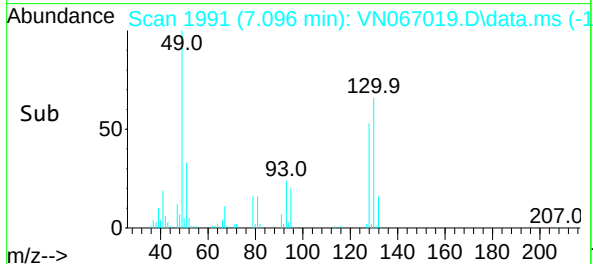
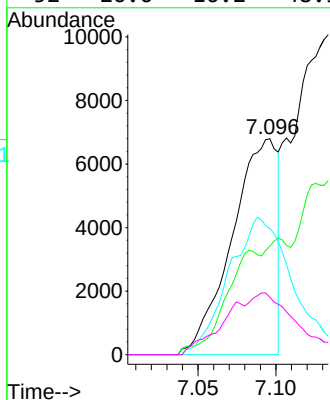
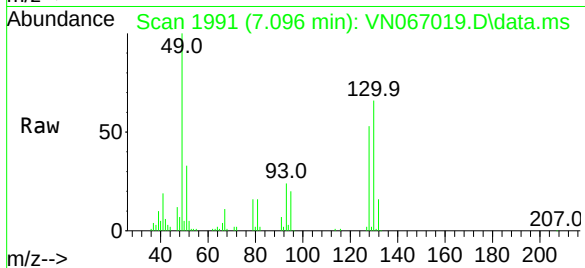
Ion Ratio Lower Upper

41 100

39 50.4 27.6 82.8

67 58.4 35.5 106.5

52 26.6 16.2 48.5



#36

1,2-Dichloroethane

Concen: 3.76 ug/l

RT: 8.054 min Scan# 2348

Delta R.T. 0.003 min

Lab File: VN067019.D

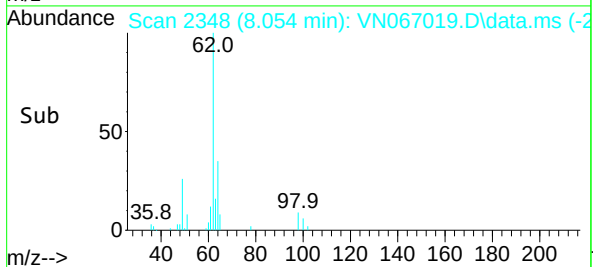
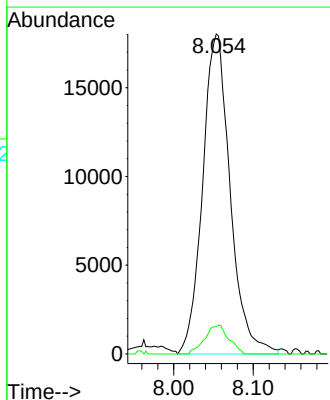
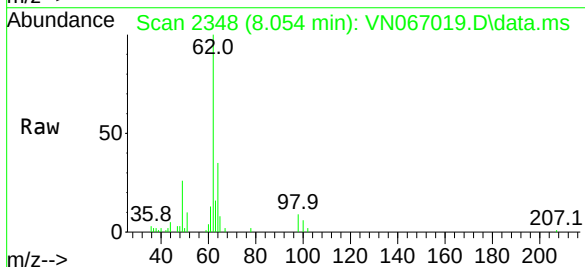
Acq: 6 May 2021 19:12

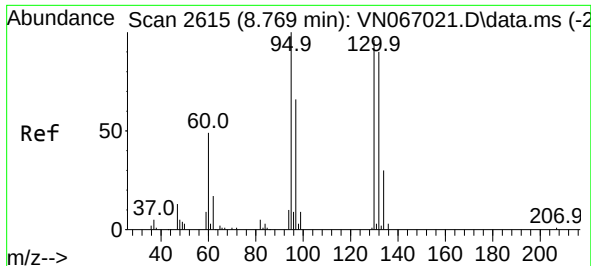
Tgt Ion: 62 Resp: 43445

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#





#37

Trichloroethene

Concen: 3.56 ug/l

RT: 8.770 min Scan# 2615

Delta R.T. 0.000 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

Instrument :

MSVOA\_N

ClientSampleId :

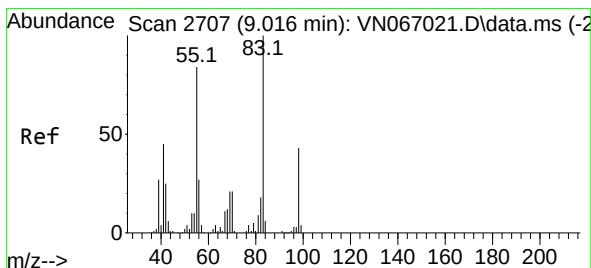
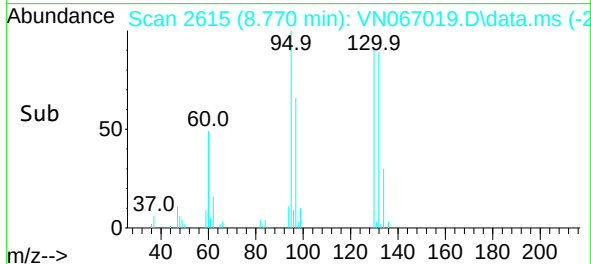
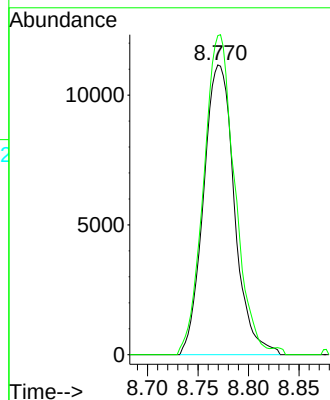
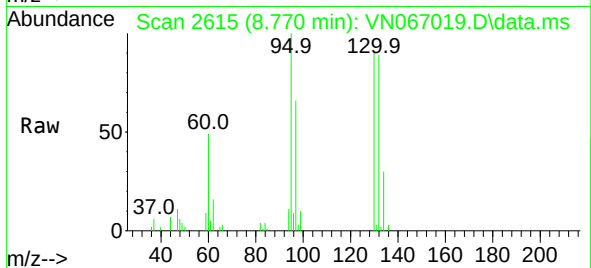
VSTDIC005

Tgt Ion:130 Resp: 23734

Ion Ratio Lower Upper

130 100

95 107.9 83.5 125.3



#38

Methylcyclohexane

Concen: 3.37 ug/l

RT: 9.016 min Scan# 2707

Delta R.T. 0.000 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

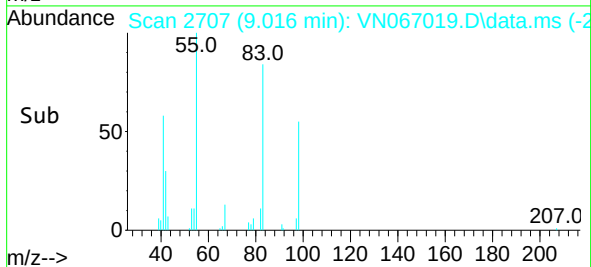
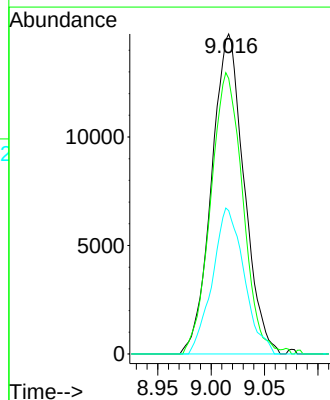
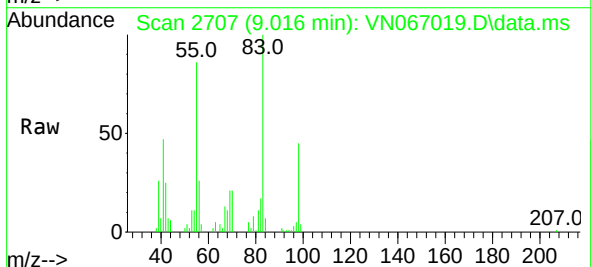
Tgt Ion: 83 Resp: 31155

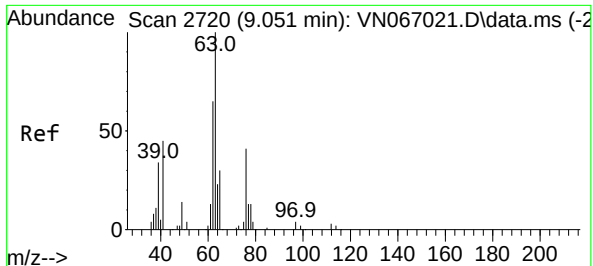
Ion Ratio Lower Upper

83 100

55 86.9 43.1 129.3

98 44.3 22.0 66.0





#39

1,2-Dichloropropane

Concen: 3.62 ug/l

RT: 9.051 min Scan# 2720

Delta R.T. 0.000 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

Tgt Ion: 63 Resp: 31342

Ion Ratio Lower Upper

63 100

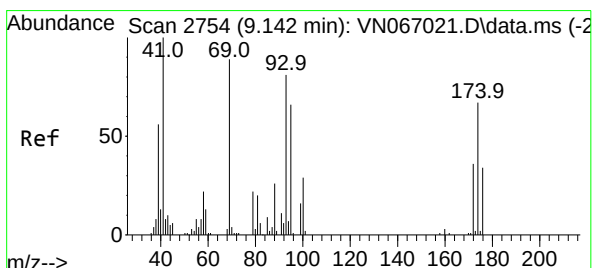
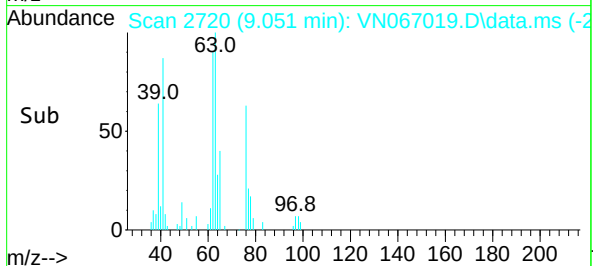
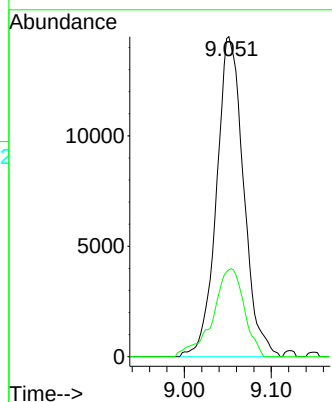
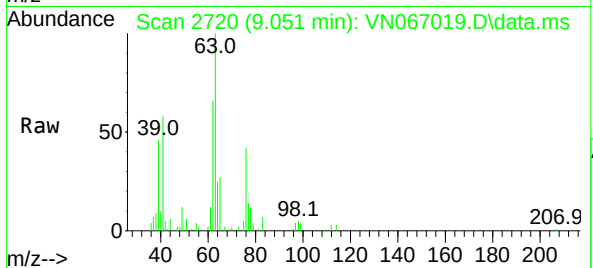
65 27.2 24.7 37.1

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005



#40

Dibromomethane

Concen: 3.77 ug/l

RT: 9.145 min Scan# 2755

Delta R.T. 0.003 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

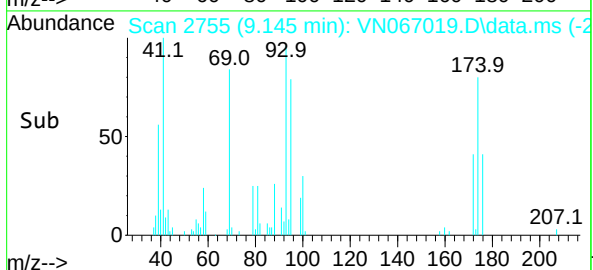
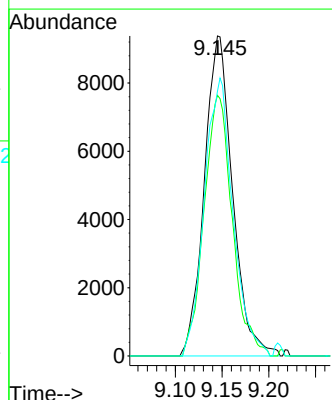
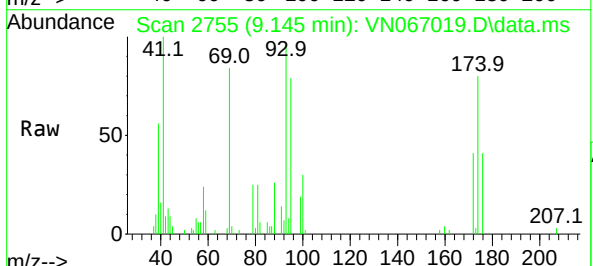
Tgt Ion: 93 Resp: 19733

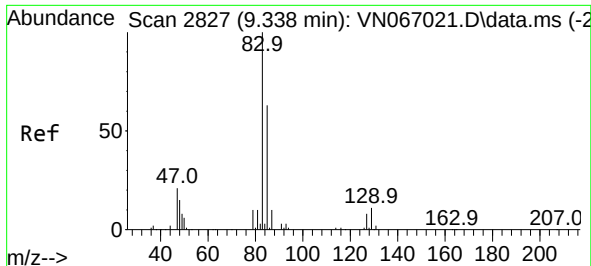
Ion Ratio Lower Upper

93 100

95 81.4 0.0 166.4

174 88.0 0.0 175.8

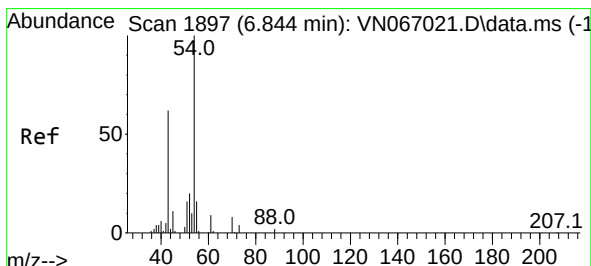
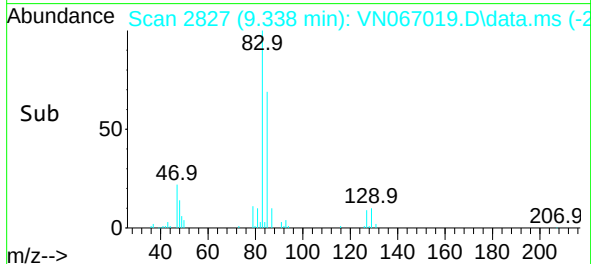
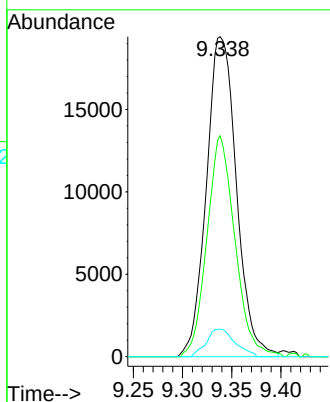
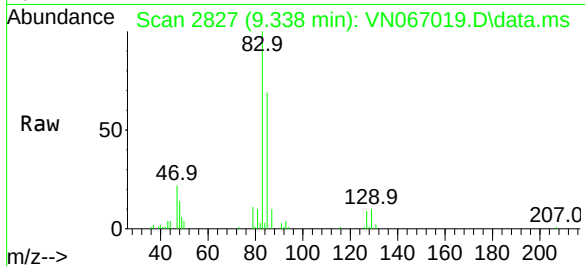




#41  
Bromodichloromethane  
Concen: 3.78 ug/l  
RT: 9.338 min Scan# 2827  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

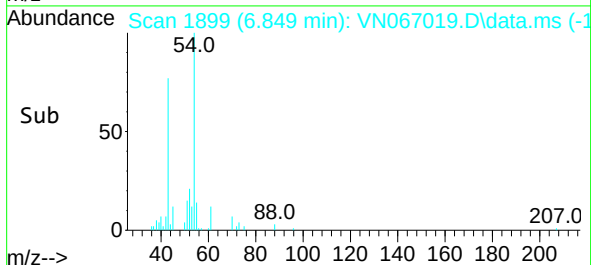
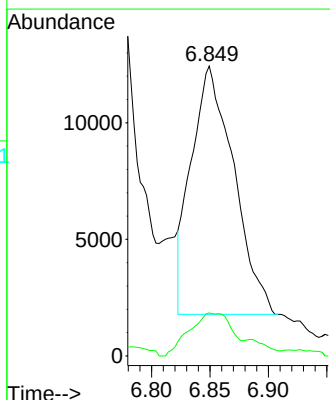
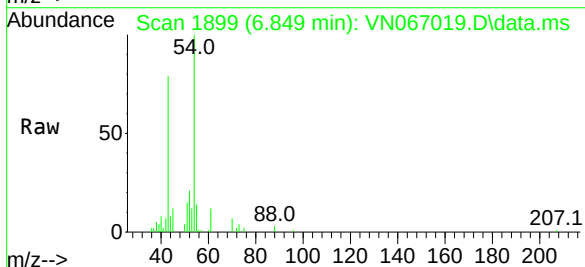
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tgt Ion: 83 Resp: 41320  
Ion Ratio Lower Upper  
83 100  
85 69.1 50.0 75.0  
127 8.6 6.5 9.7

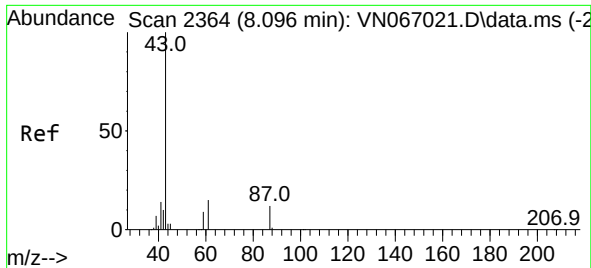


#43  
Ethyl Acetate  
Concen: 2.74 ug/l  
RT: 6.849 min Scan# 1899  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 43 Resp: 26980  
Ion Ratio Lower Upper  
43 100  
45 10.9 9.9 14.9



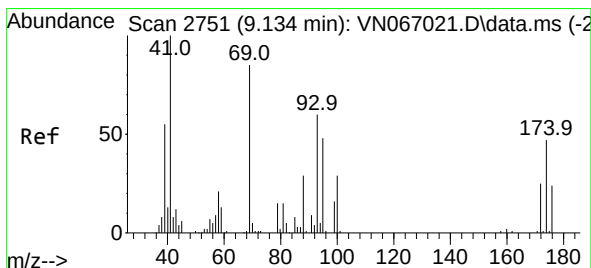
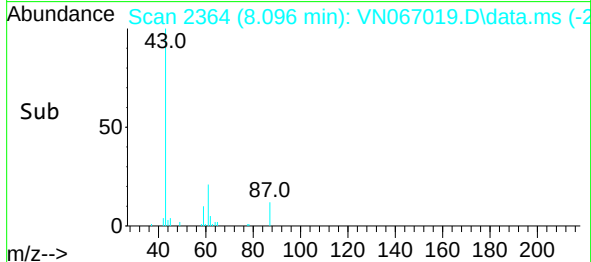
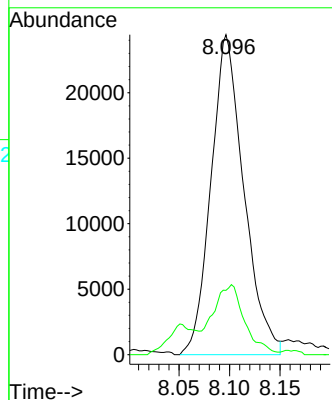
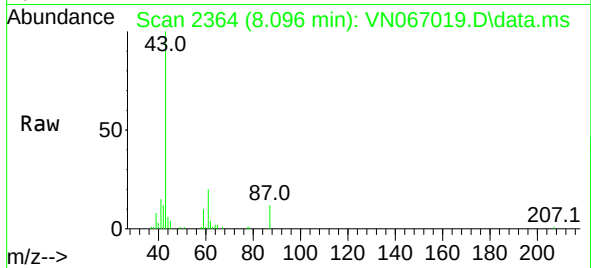




#44  
Isopropyl Acetate  
Concen: 3.44 ug/l  
RT: 8.096 min Scan# 2364  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

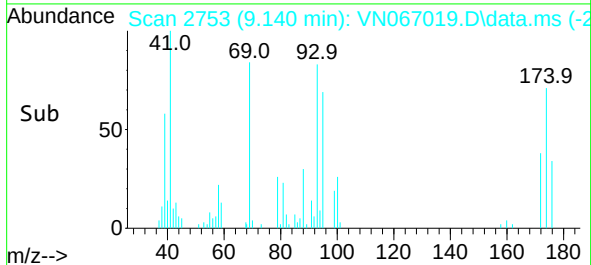
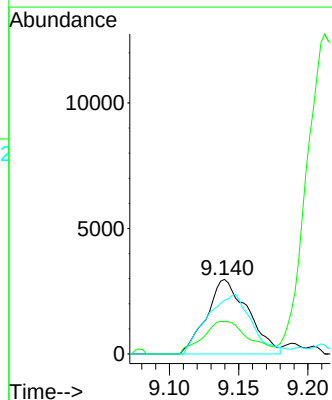
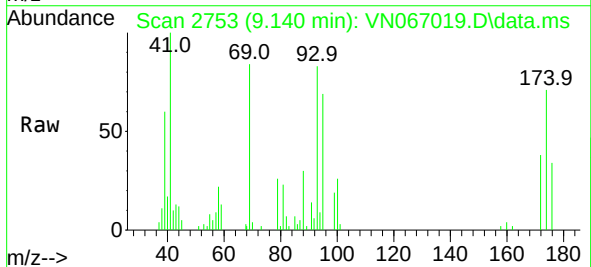
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

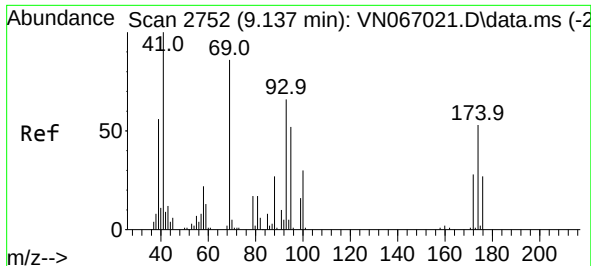
Tgt Ion: 43 Resp: 55190  
Ion Ratio Lower Upper  
43 100  
61 15.7 15.8 23.6#



#45  
1,4-Dioxane  
Concen: 61.43 ug/l  
RT: 9.140 min Scan# 2753  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 88 Resp: 6175  
Ion Ratio Lower Upper  
88 100  
43 47.7 28.0 42.0#  
58 87.0 62.8 94.2

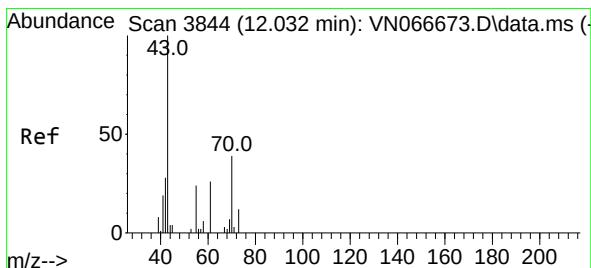
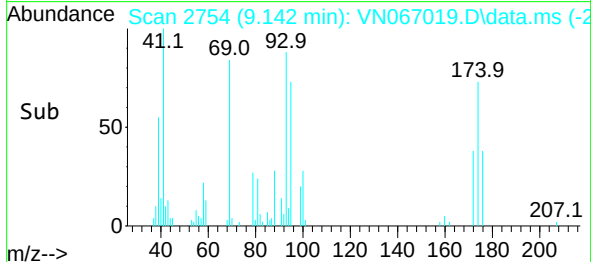
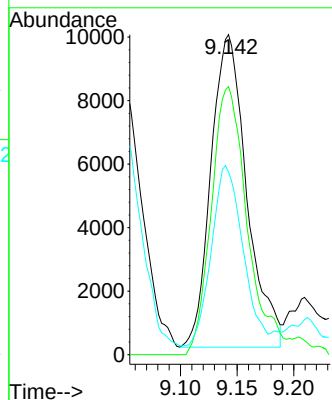
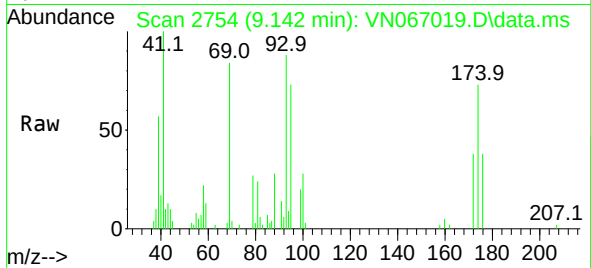




#46  
Methyl methacrylate  
Concen: 3.26 ug/l  
RT: 9.142 min Scan# 2754  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

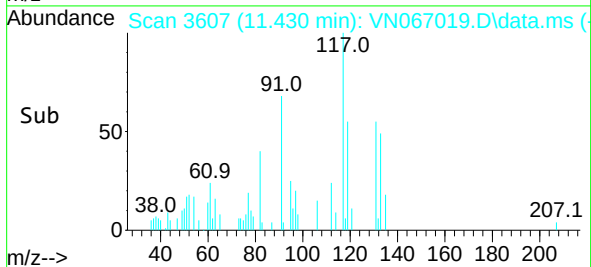
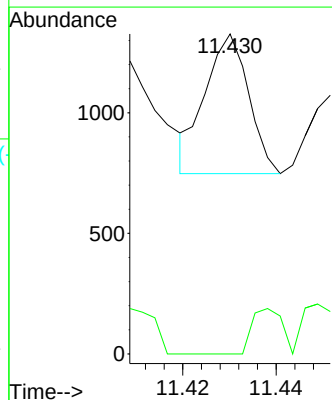
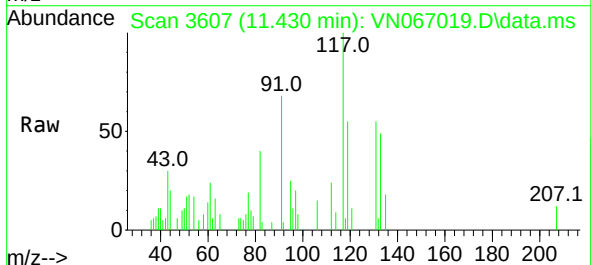
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

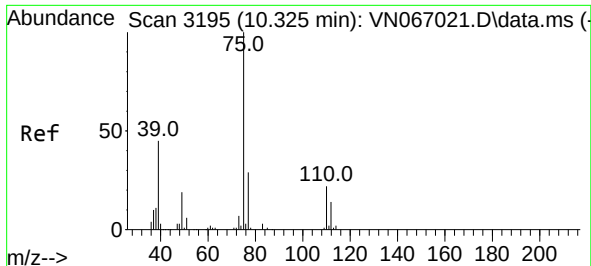
Tgt Ion: 41 Resp: 21585  
Ion Ratio Lower Upper  
41 100  
69 85.8 42.7 128.1  
39 55.6 28.1 84.2



#47  
n-amy1 Acetate  
Concen: 16.54 ug/l  
RT: 11.430 min Scan# 3607  
Delta R.T. -0.357 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 43 Resp: 374  
Ion Ratio Lower Upper  
43 100  
55 22.2 21.1 31.7

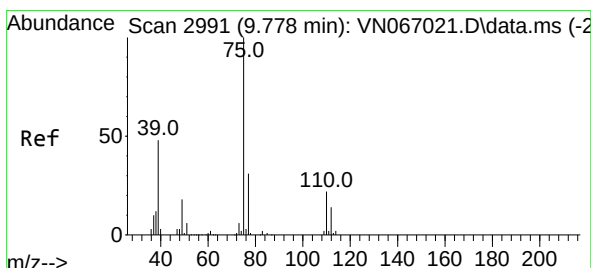
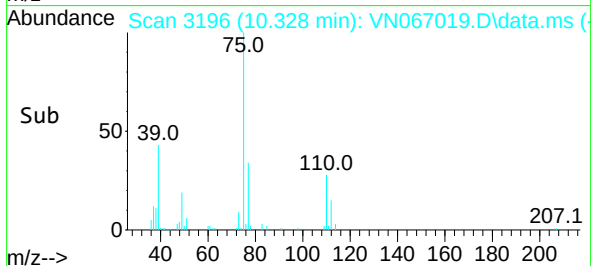
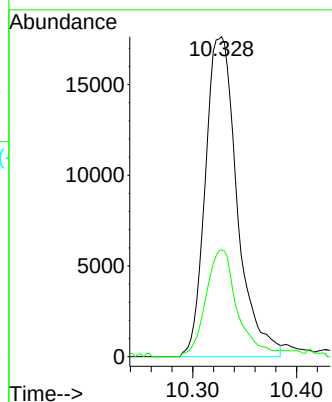
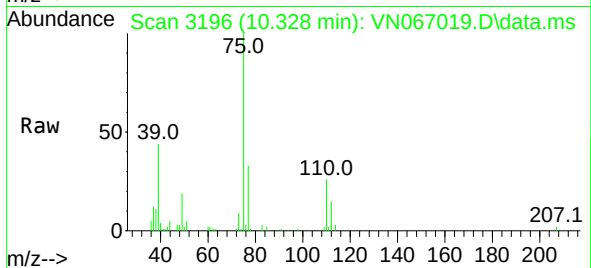




#48  
t-1,3-Dichloropropene  
Concen: 3.33 ug/l  
RT: 10.328 min Scan# 3196  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

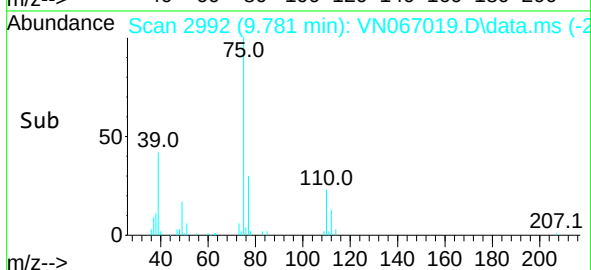
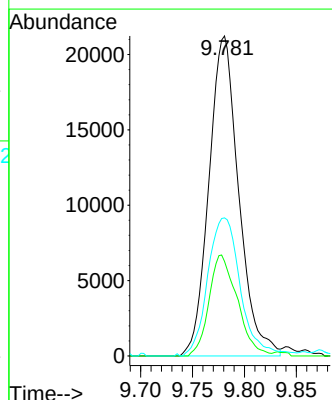
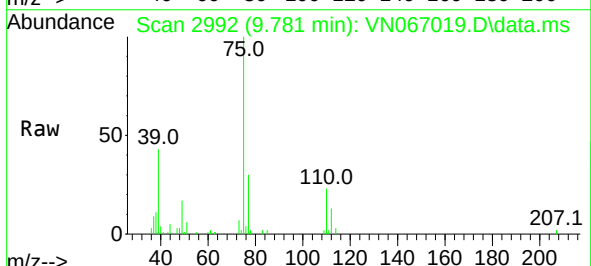
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

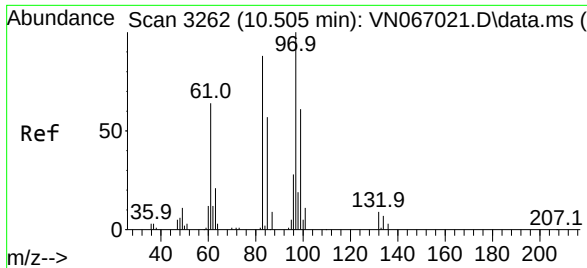
Tgt Ion: 75 Resp: 37519  
Ion Ratio Lower Upper  
75 100  
77 33.4 23.0 34.6



#49  
cis-1,3-Dichloropropene  
Concen: 3.39 ug/l  
RT: 9.781 min Scan# 2992  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

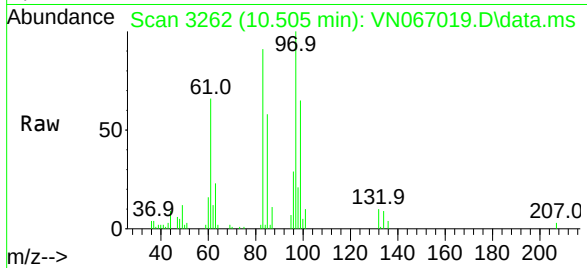
Tgt Ion: 75 Resp: 42380  
Ion Ratio Lower Upper  
75 100  
77 29.5 25.0 37.4  
39 43.1 38.2 57.2



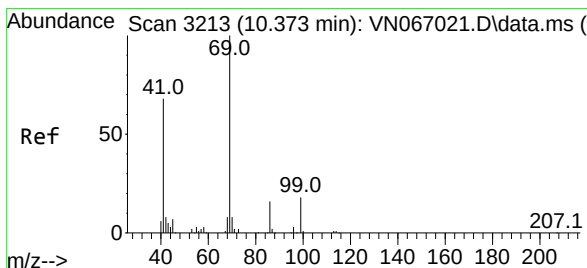
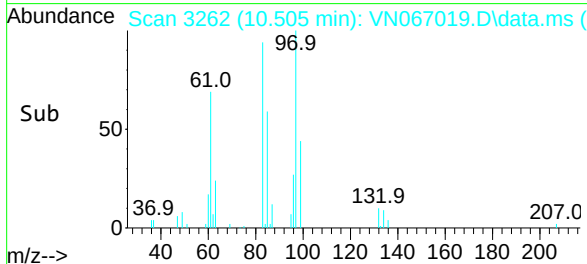
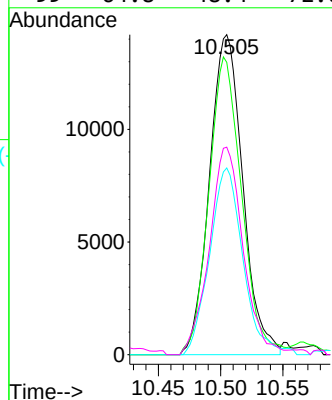


#50  
1,1,2-Trichloroethane  
Concen: 3.61 ug/l  
RT: 10.505 min Scan# 3262  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

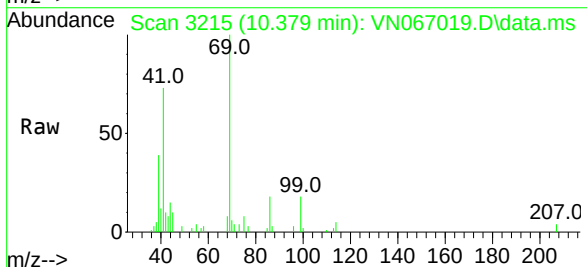
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



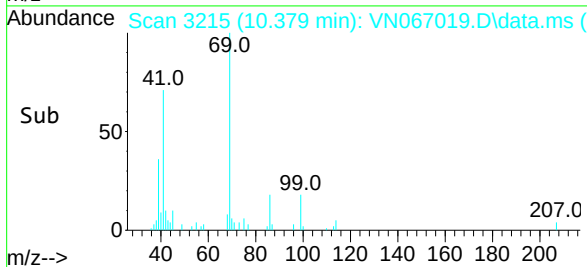
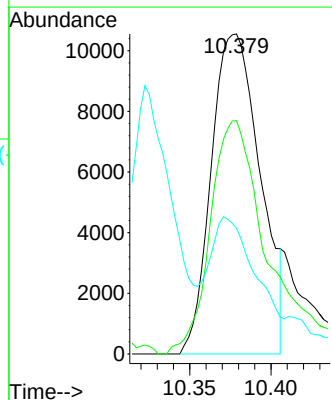
| Tgt Ion: | 97    | Resp: | 26405 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.3  | 70.6  | 106.0 |
| 85       | 58.3  | 45.6  | 68.4  |
| 99       | 64.8  | 48.4  | 72.6  |

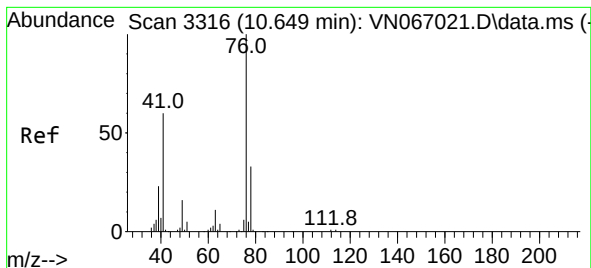


#51  
Ethyl methacrylate  
Concen: 2.39 ug/l  
RT: 10.379 min Scan# 3215  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12



| Tgt Ion: | 69    | Resp: | 22085 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.7  | 33.9  | 101.7 |
| 39       | 27.8  | 17.3  | 51.9  |

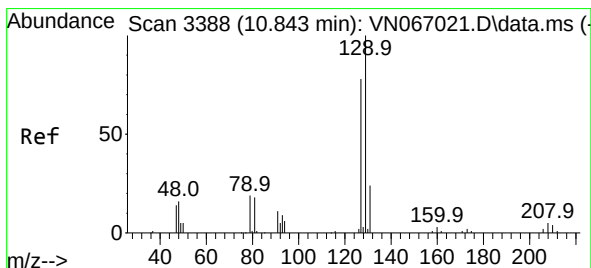
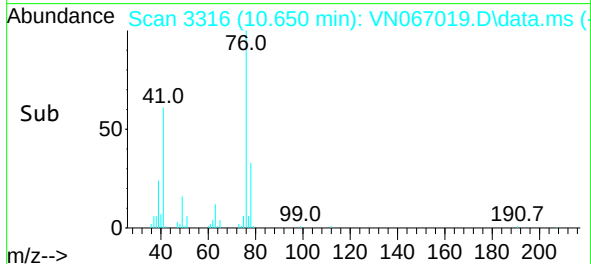
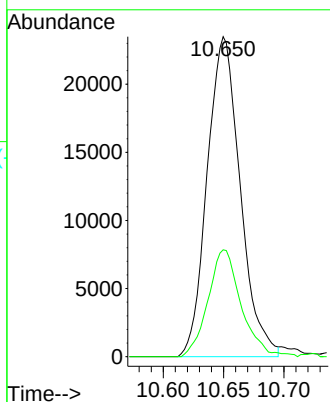
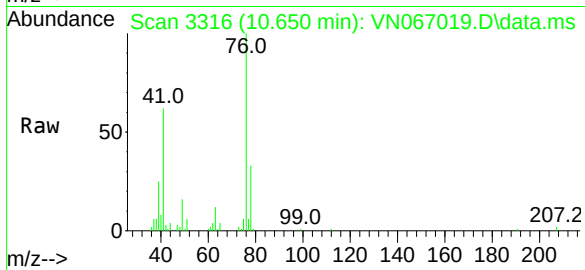




#52  
1,3-Dichloropropane  
Concen: 3.56 ug/l  
RT: 10.650 min Scan# 3316  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

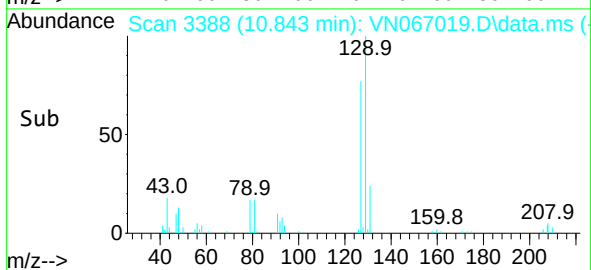
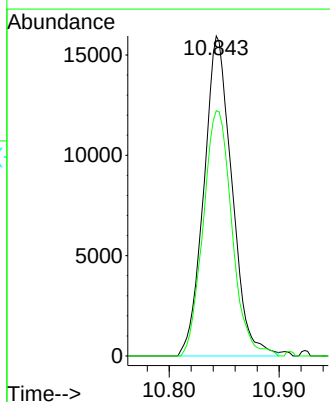
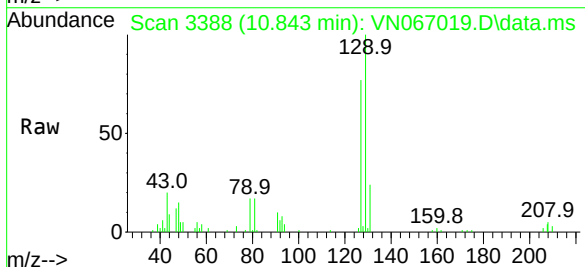
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

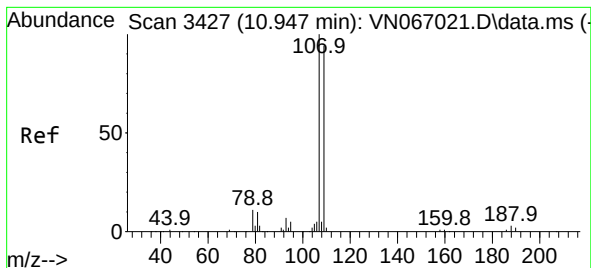
Tgt Ion: 76 Resp: 44748  
Ion Ratio Lower Upper  
76 100  
78 32.9 0.0 64.4



#53  
Dibromochloromethane  
Concen: 3.53 ug/l  
RT: 10.843 min Scan# 3388  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 129 Resp: 28231  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 115.8





#54

1,2-Dibromoethane

Concen: 3.22 ug/l

RT: 10.950 min Scan# 3428

Delta R.T. 0.003 min

Lab File: VN067019.D

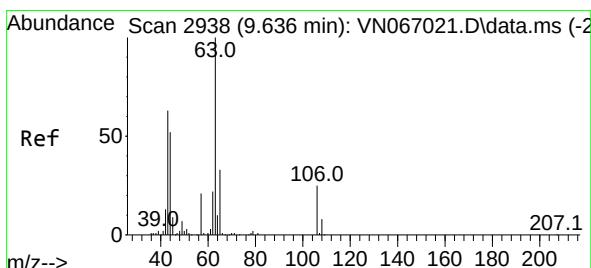
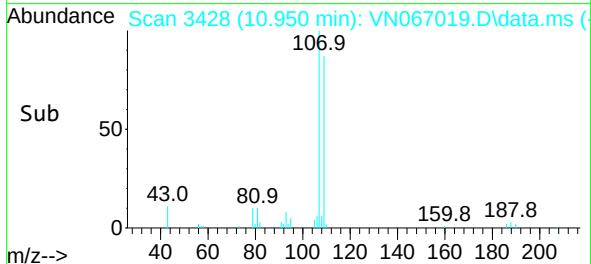
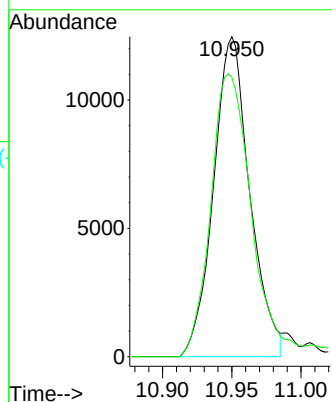
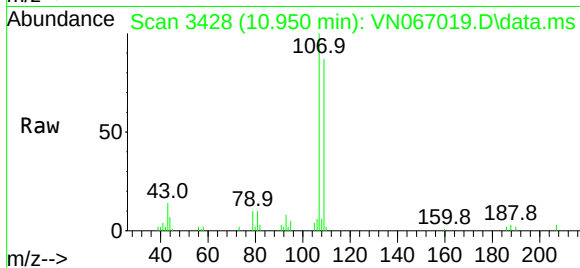
Acq: 6 May 2021 19:12

Tgt Ion: 107 Resp: 22698

Ion Ratio Lower Upper

107 100

109 98.8 75.0 112.6



#55

2-Chloroethyl vinyl ether

Concen: 13.50 ug/l

RT: 9.639 min Scan# 2939

Delta R.T. 0.003 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

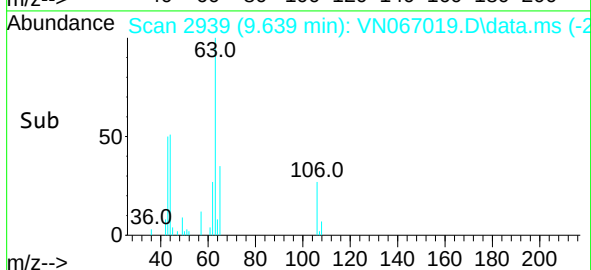
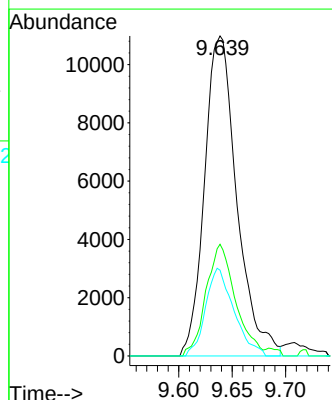
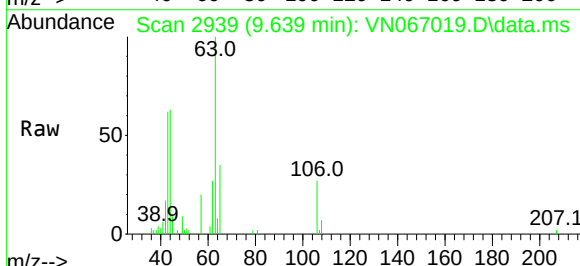
Tgt Ion: 63 Resp: 23078

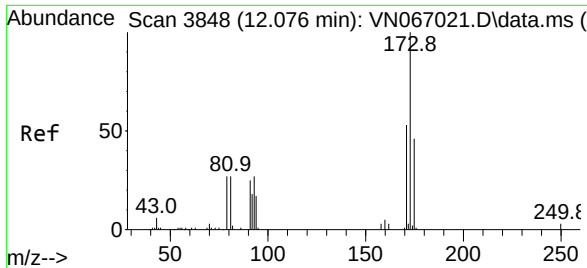
Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

106 24.0 18.9 28.3

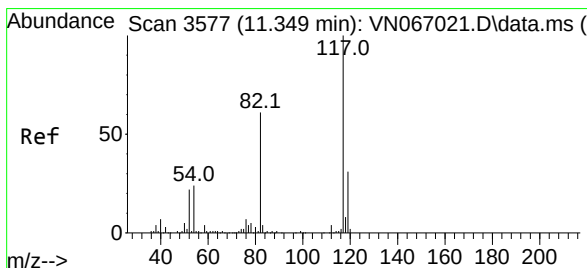
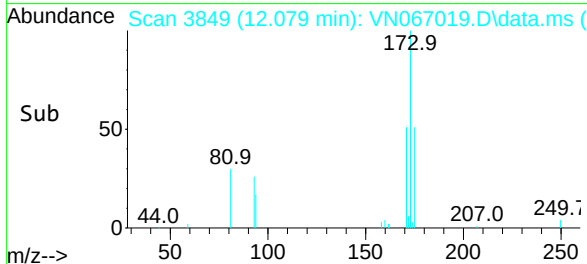
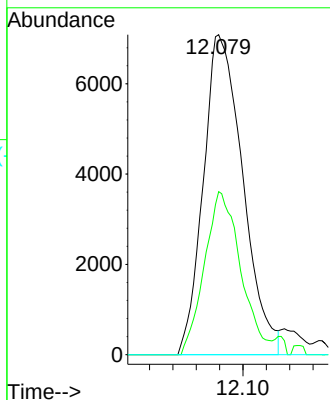
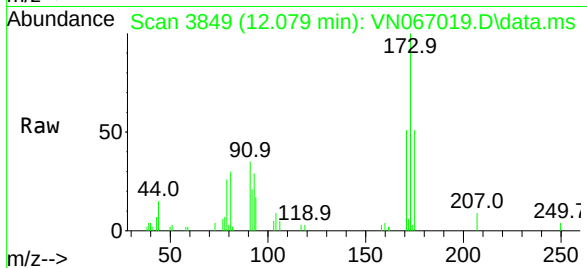




#56  
Bromoform  
Concen: 3.27 ug/l  
RT: 12.079 min Scan# 3849  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

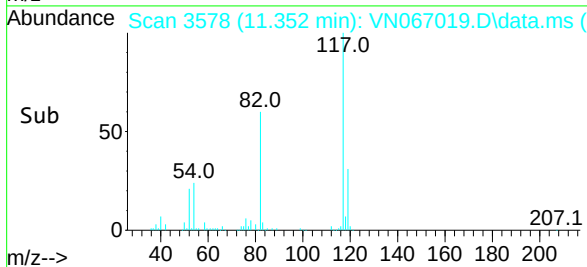
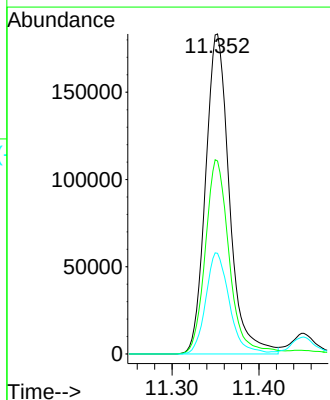
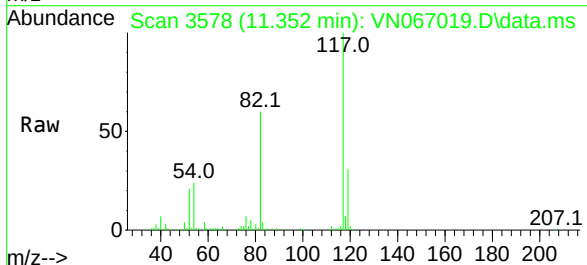
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

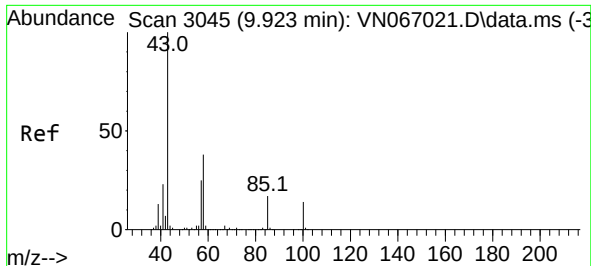
Tgt Ion:173 Resp: 16643  
Ion Ratio Lower Upper  
173 100  
175 46.8 38.6 57.8  
254 0.0 0.0 0.0



#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.352 min Scan# 3578  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:117 Resp: 349475  
Ion Ratio Lower Upper  
117 100  
82 61.0 49.3 73.9  
119 31.2 25.5 38.3

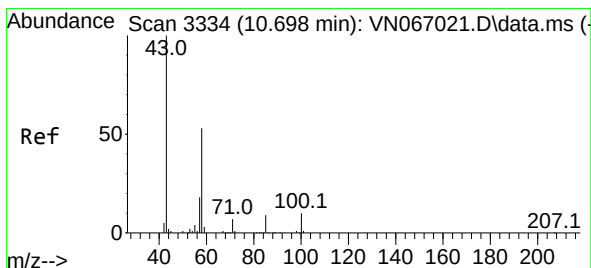
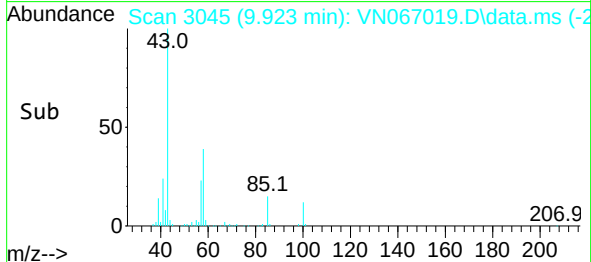
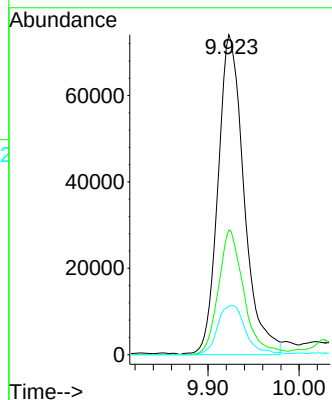
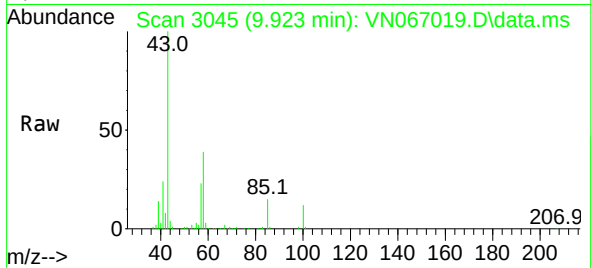




#58  
4-Methyl-2-Pentanone  
Concen: 16.00 ug/l  
RT: 9.923 min Scan# 3045  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

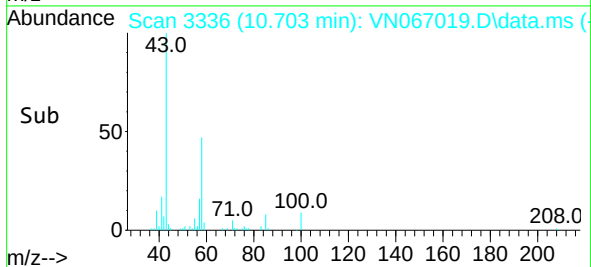
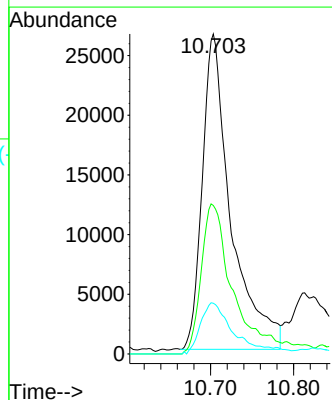
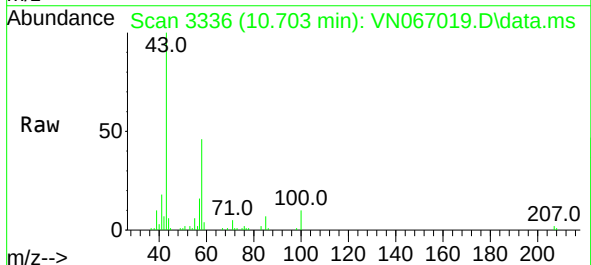
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 146830 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 38.1  | 30.4  | 45.6   |
| 85       | 16.4  | 13.4  | 20.0   |

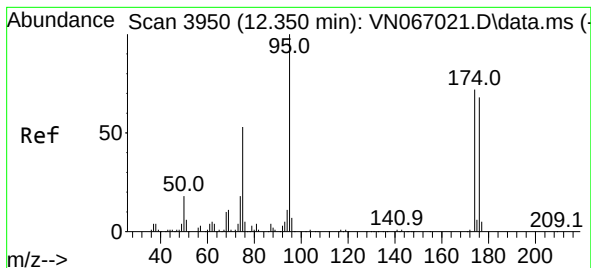


#59  
2-Hexanone  
Concen: 11.77 ug/l  
RT: 10.703 min Scan# 3336  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 63088 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 47.4  | 42.7  | 64.1  |
| 57       | 15.1  | 14.7  | 22.1  |

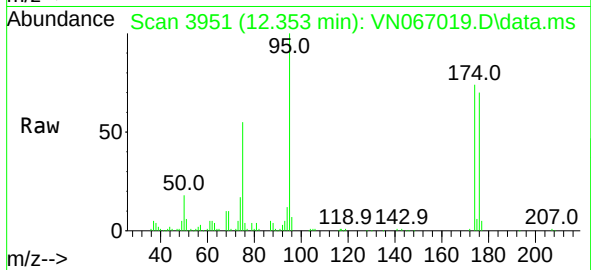




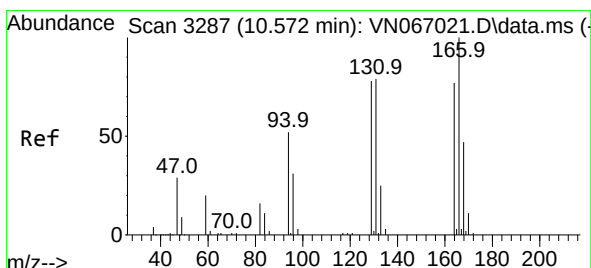
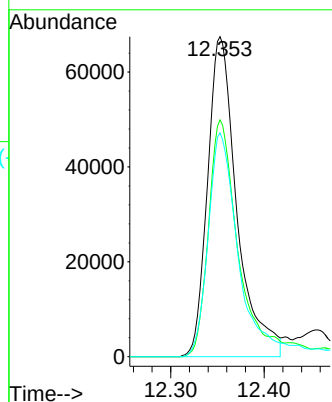
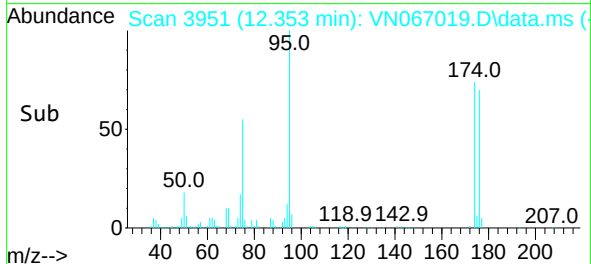


#60  
4-Bromofluorobenzene  
Concen: 11.05 ug/l  
RT: 12.353 min Scan# 3951  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

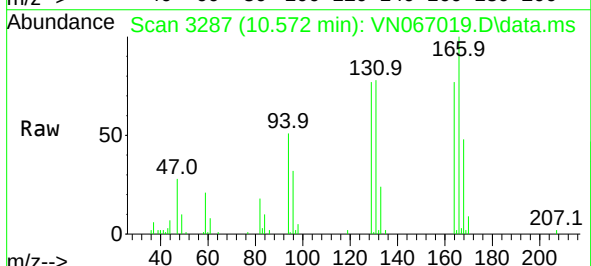
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005



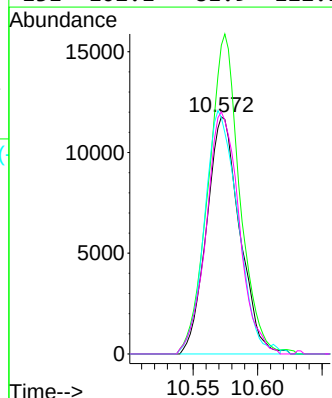
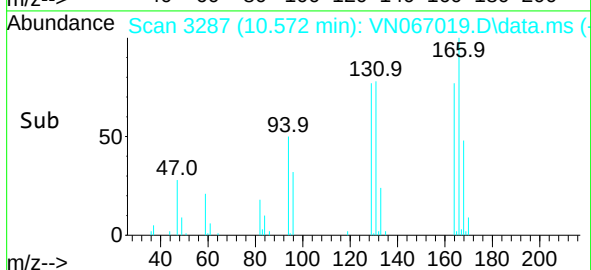
Tgt Ion: 95 Resp: 147561  
Ion Ratio Lower Upper  
95 100  
174 72.0 57.2 85.8  
176 71.6 54.5 81.7

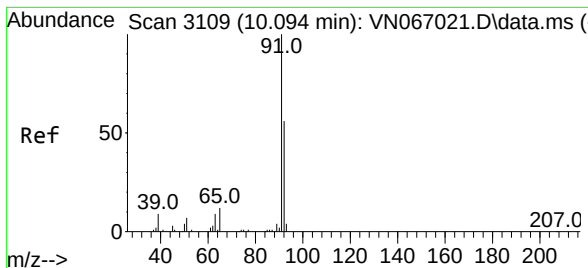


#61  
Tetrachloroethene  
Concen: 3.78 ug/l  
RT: 10.572 min Scan# 3287  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12



Tgt Ion: 164 Resp: 20918  
Ion Ratio Lower Upper  
164 100  
166 128.5 103.4 155.0  
129 98.2 80.6 120.8  
131 102.1 81.9 122.9





#62

Toluene

Concen: 3.69 ug/l

RT: 10.095 min Scan# 3109

Delta R.T. 0.000 min

Lab File: VN067019.D

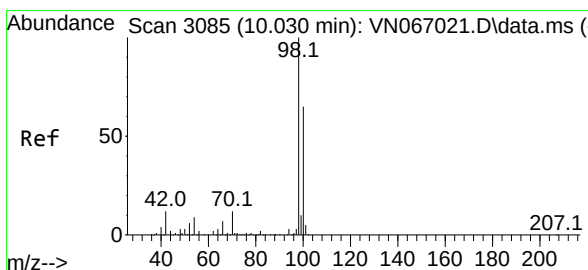
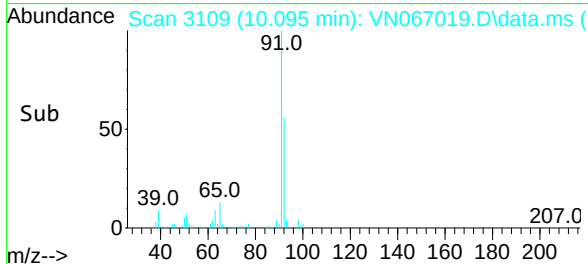
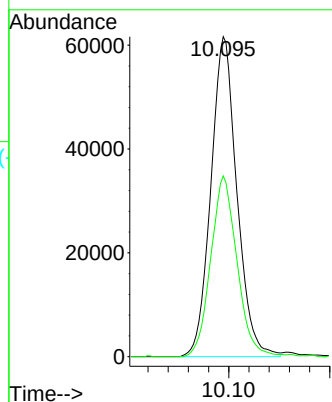
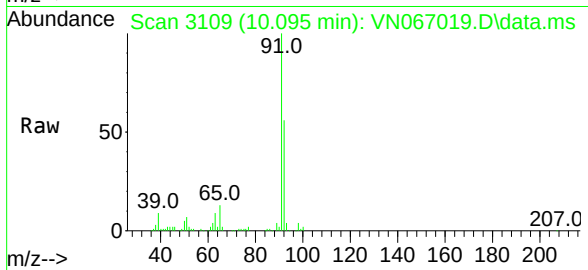
Acq: 6 May 2021 19:12

Tgt Ion: 91 Resp: 110168

Ion Ratio Lower Upper

91 100

92 56.9 46.2 69.2



#63

Toluene-d8

Concen: 13.54 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN067019.D

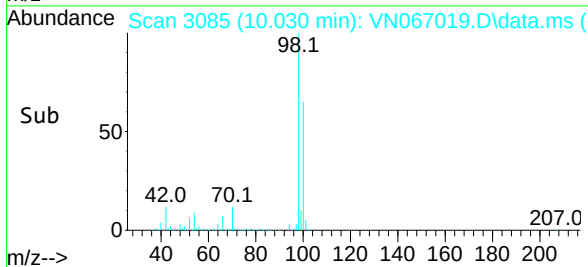
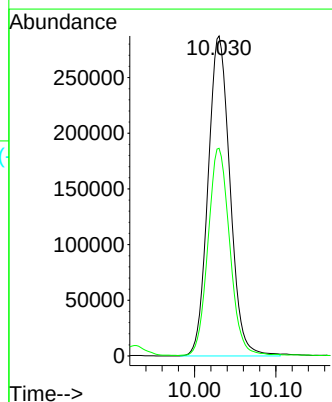
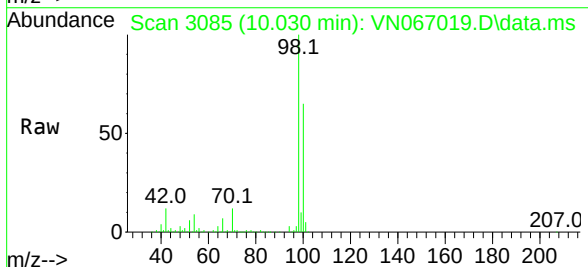
Acq: 6 May 2021 19:12

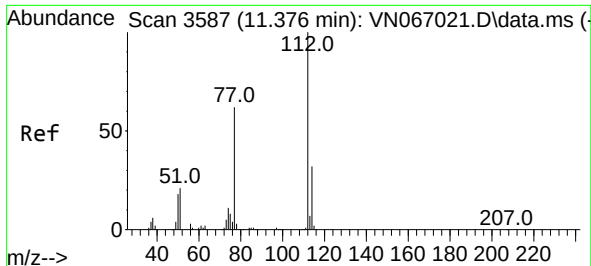
Tgt Ion: 98 Resp: 538931

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7

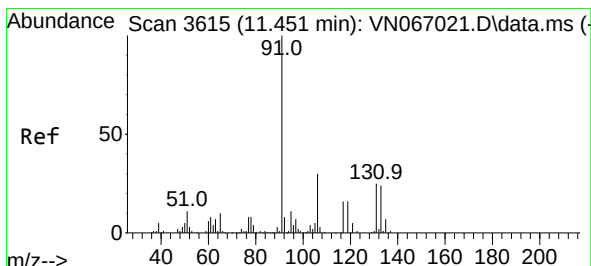
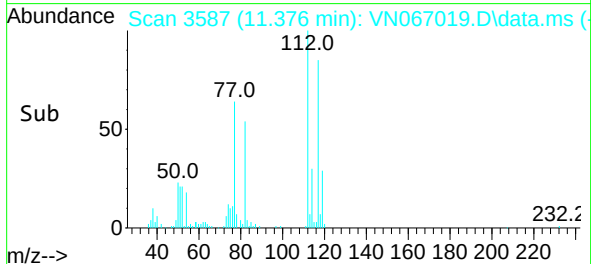
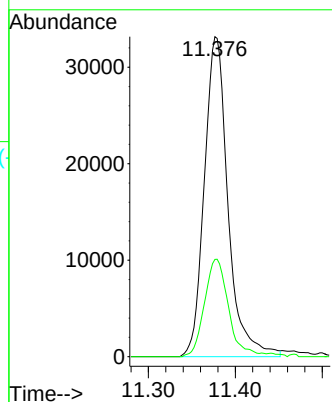
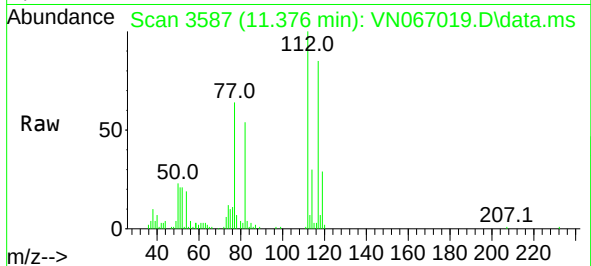




#64  
Chlorobenzene  
Concen: 3.57 ug/l  
RT: 11.376 min Scan# 3587  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

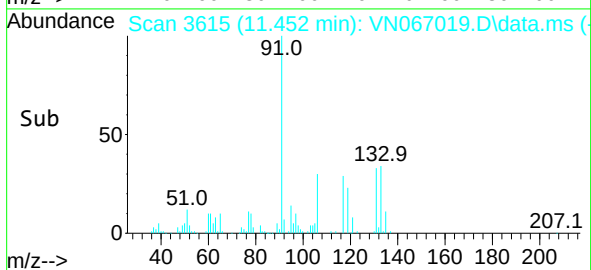
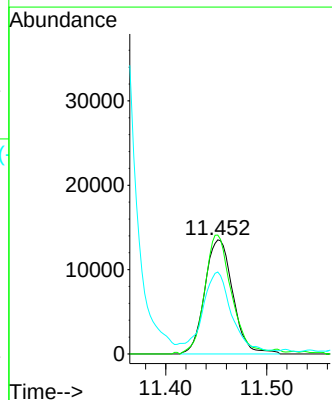
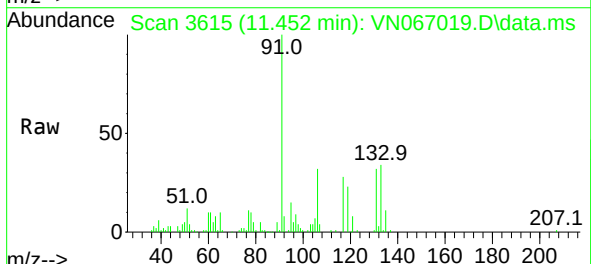
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

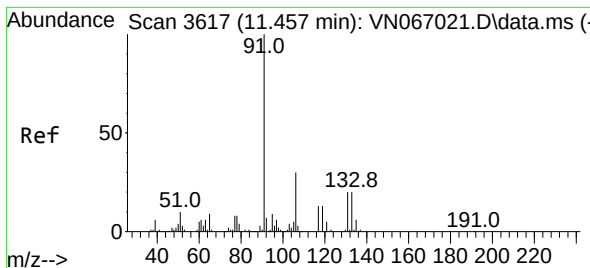
Tgt Ion:112 Resp: 62734  
Ion Ratio Lower Upper  
112 100  
114 30.4 25.2 37.8



#65  
1,1,1,2-Tetrachloroethane  
Concen: 3.79 ug/l  
RT: 11.452 min Scan# 3615  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:131 Resp: 26157  
Ion Ratio Lower Upper  
131 100  
133 99.6 0.0 192.4  
119 72.2 0.0 133.2

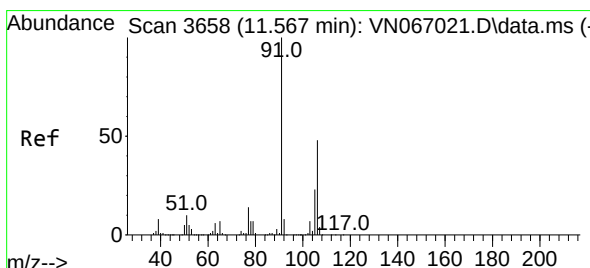
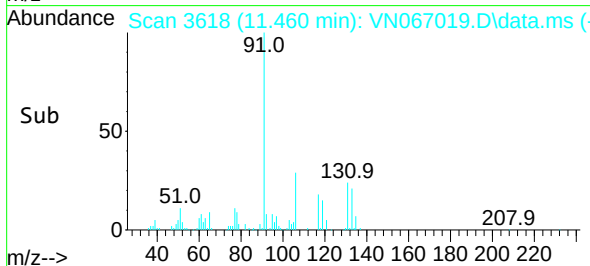
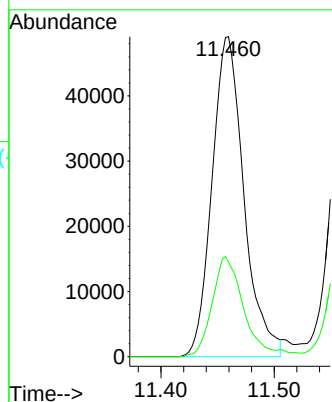
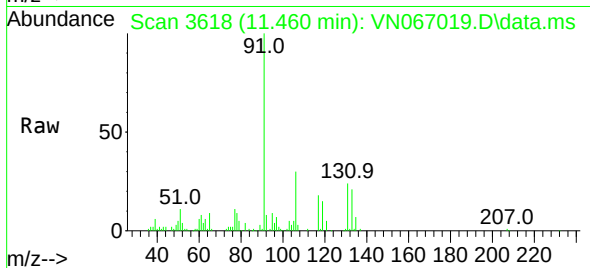




#66  
Ethyl Benzene  
Concen: 3.15 ug/l  
RT: 11.460 min Scan# 3618  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

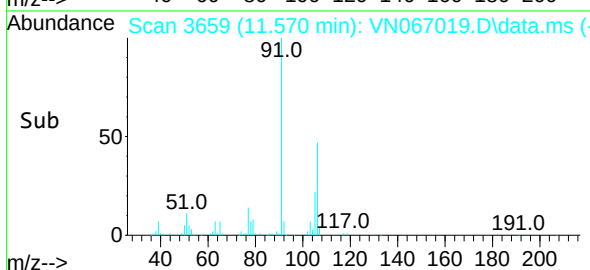
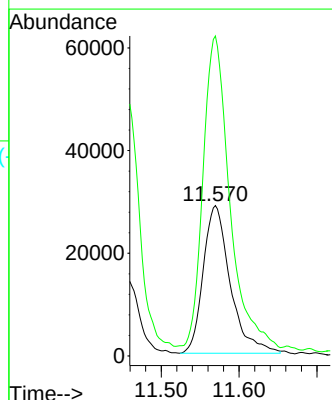
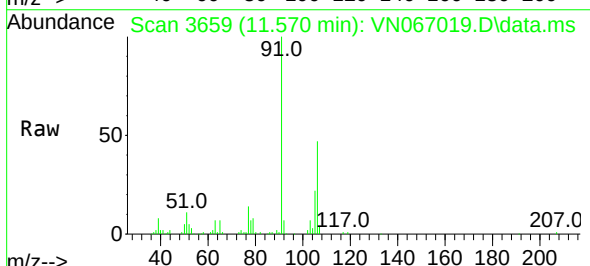
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

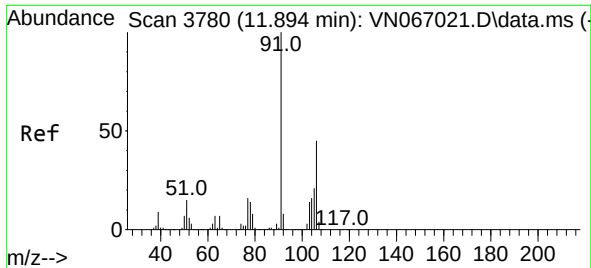
Tgt Ion: 91 Resp: 95838  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.1 36.1



#67  
m/p-Xylenes  
Concen: 6.12 ug/l  
RT: 11.570 min Scan# 3659  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:106 Resp: 69453  
Ion Ratio Lower Upper  
106 100  
91 206.5 173.2 259.8

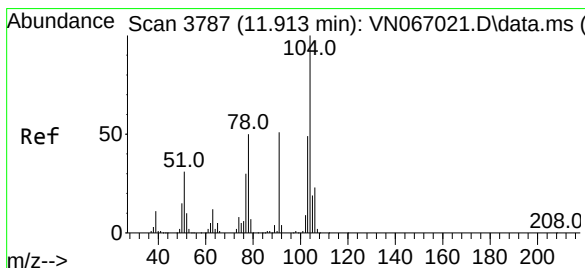
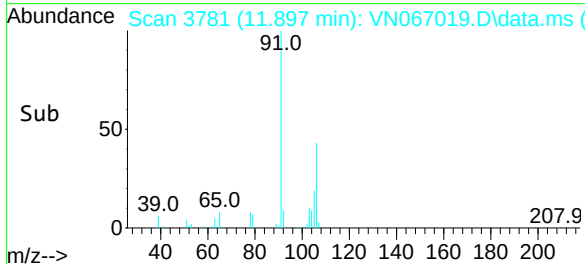
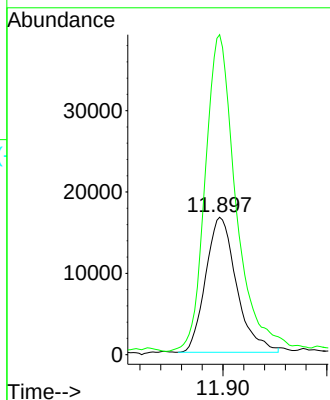
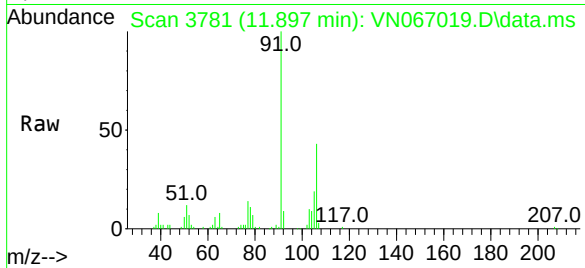




#68  
o-Xylene  
Concen: 3.11 ug/l  
RT: 11.897 min Scan# 3781  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

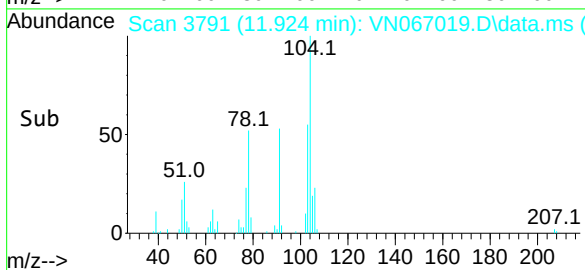
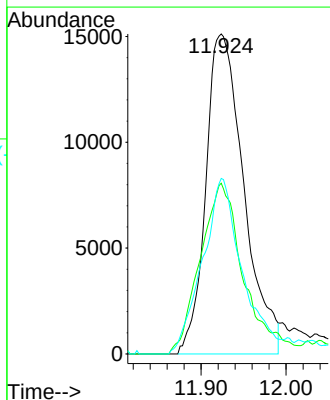
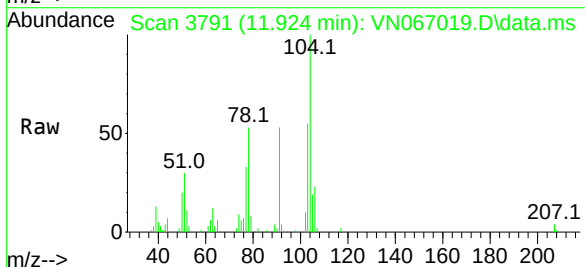
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

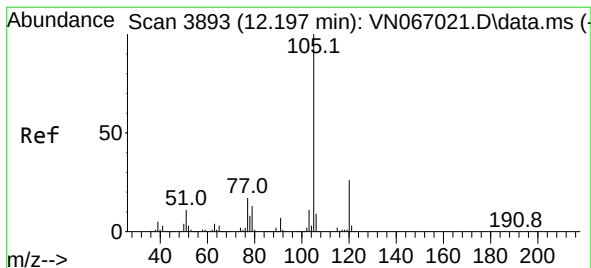
Tgt Ion:106 Resp: 34378  
Ion Ratio Lower Upper  
106 100  
91 233.6 113.3 339.9



#69  
Styrene  
Concen: 2.73 ug/l  
RT: 11.924 min Scan# 3791  
Delta R.T. 0.011 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:104 Resp: 47017  
Ion Ratio Lower Upper  
104 100  
78 57.9 43.8 65.6  
103 57.4 43.9 65.9

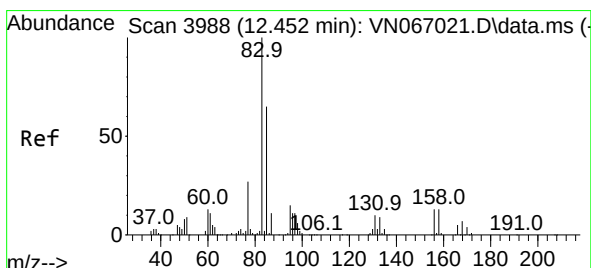
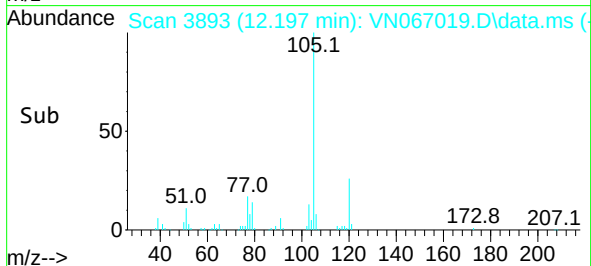
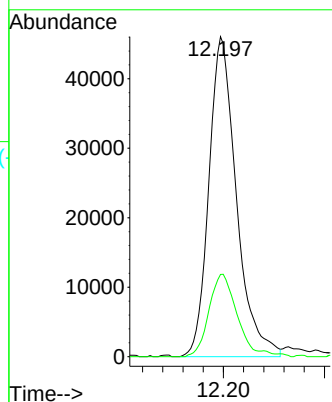
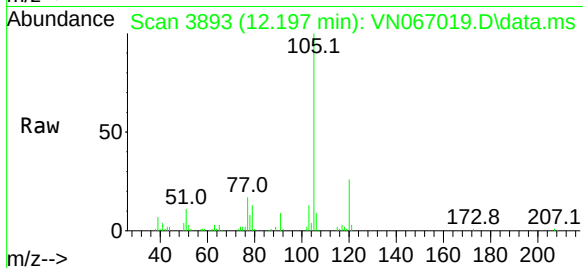




#70  
Isopropylbenzene  
Concen: 3.01 ug/l  
RT: 12.197 min Scan# 3893  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

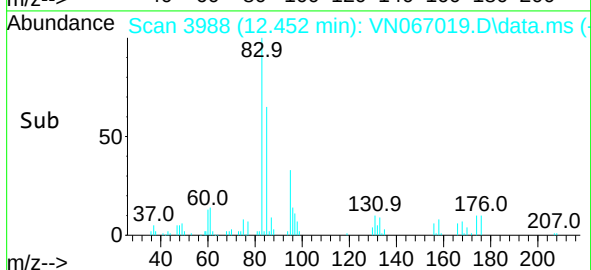
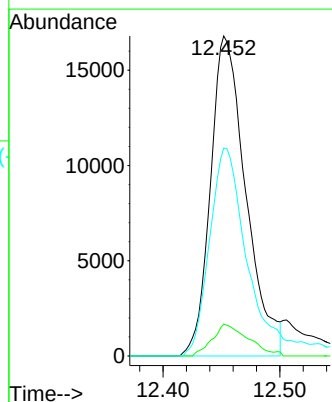
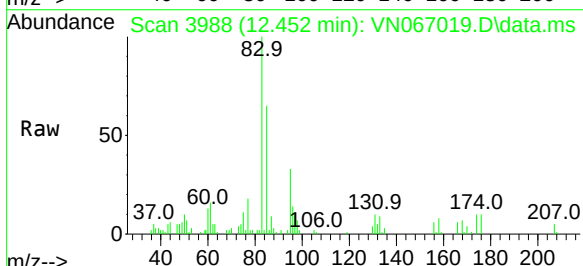
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

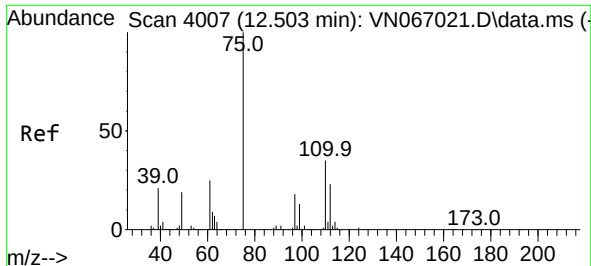
Tgt Ion:105 Resp: 87149  
Ion Ratio Lower Upper  
105 100  
120 25.6 18.2 33.8



#71  
1,1,2,2-Tetrachloroethane  
Concen: 3.19 ug/l  
RT: 12.452 min Scan# 3988  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 83 Resp: 35296  
Ion Ratio Lower Upper  
83 100  
131 9.9 4.6 13.8  
85 67.5 31.0 93.0

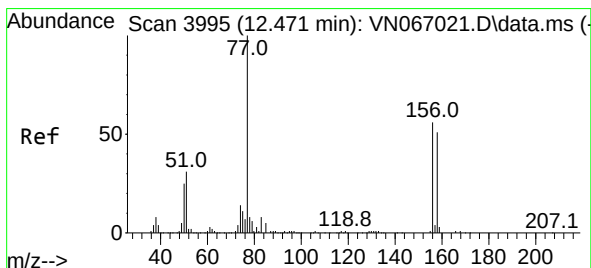
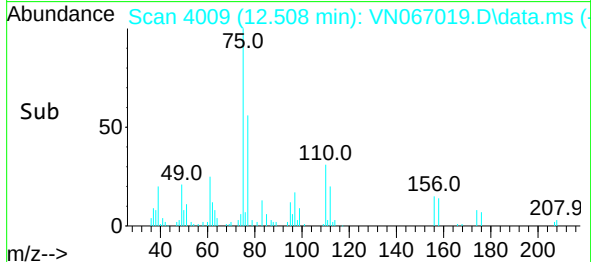
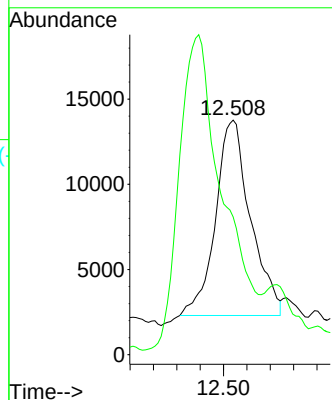
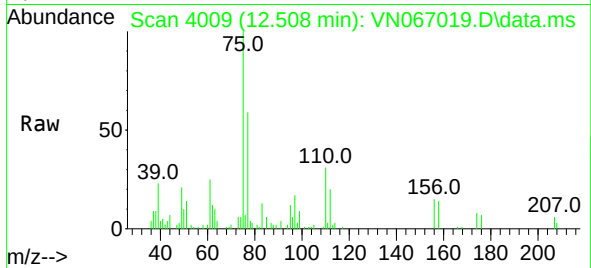




#72  
1,2,3-Trichloropropane  
Concen: 2.48 ug/l  
RT: 12.508 min Scan# 4009  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

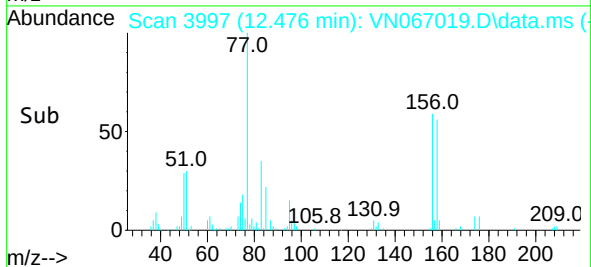
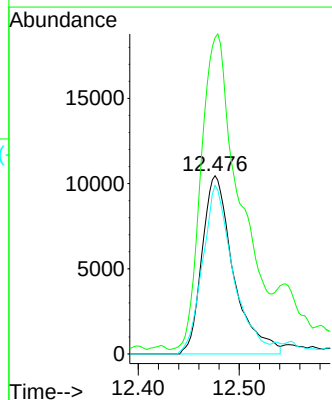
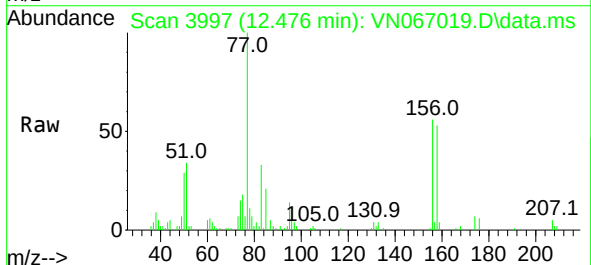
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

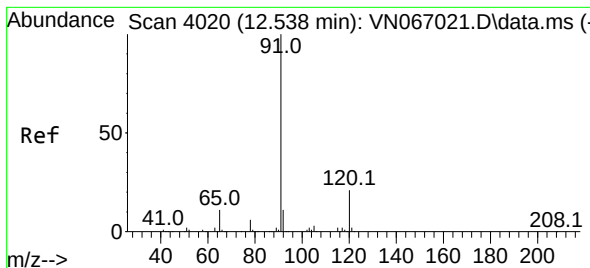
Tgt Ion: 75 Resp: 23855  
Ion Ratio Lower Upper  
75 100  
77 204.5 0.0 329.6



#73  
Bromobenzene  
Concen: 3.19 ug/l  
RT: 12.476 min Scan# 3997  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:156 Resp: 22590  
Ion Ratio Lower Upper  
156 100  
77 216.0 0.0 448.2  
158 92.3 0.0 192.4





#74

n-propylbenzene

Concen: 2.70 ug/l

RT: 12.543 min Scan# 4022

Delta R.T. 0.006 min

Lab File: VN067019.D

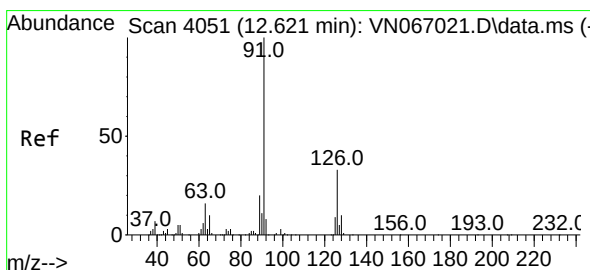
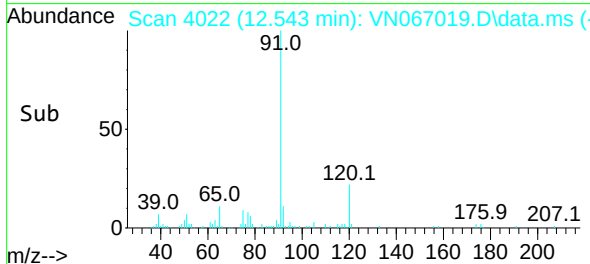
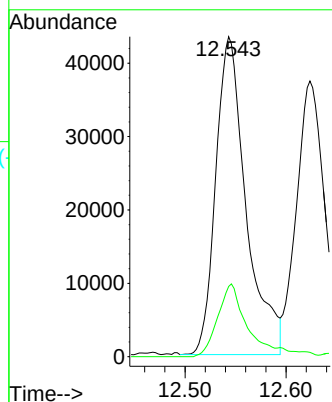
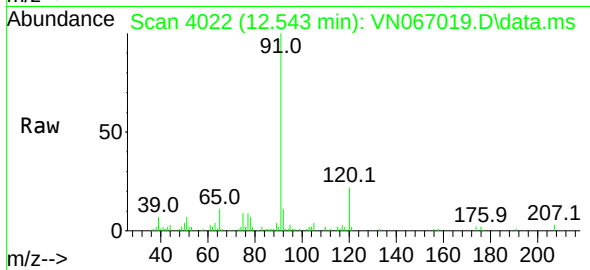
Acq: 6 May 2021 19:12

Tgt Ion: 91 Resp: 90567

Ion Ratio Lower Upper

91 100

120 21.2 0.0 43.6



#75

2-Chlorotoluene

Concen: 2.60 ug/l

RT: 12.624 min Scan# 4052

Delta R.T. 0.003 min

Lab File: VN067019.D

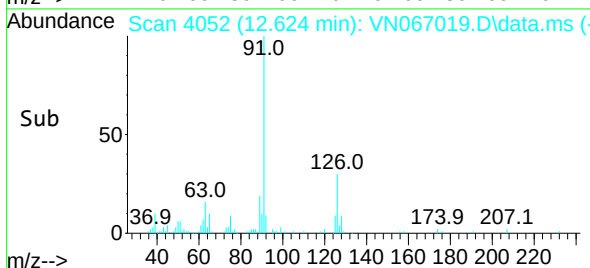
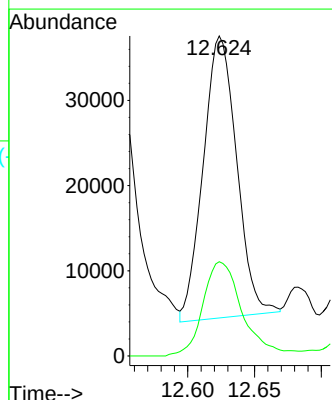
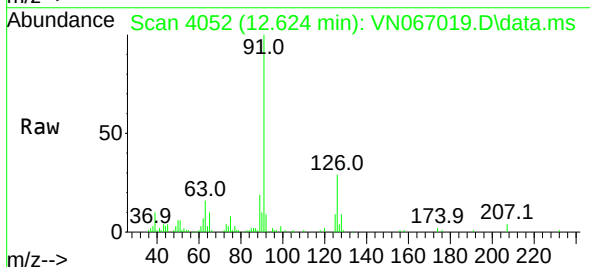
Acq: 6 May 2021 19:12

Tgt Ion: 91 Resp: 57671

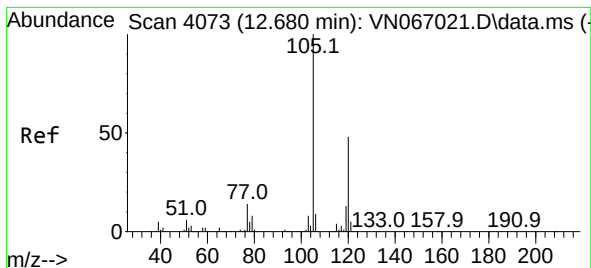
Ion Ratio Lower Upper

91 100

126 38.8 0.0 63.8



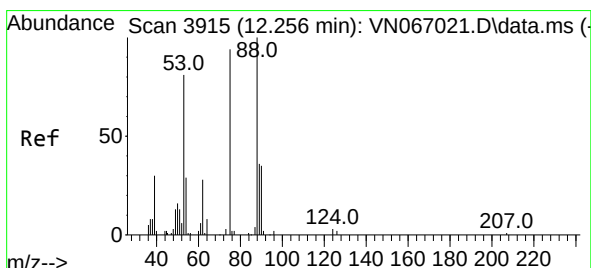
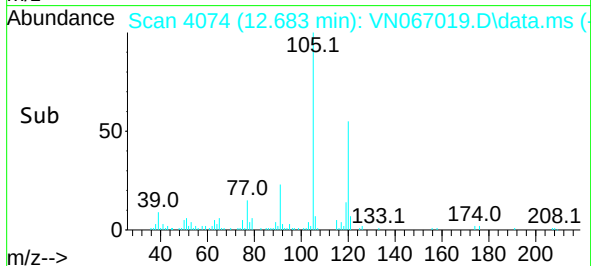
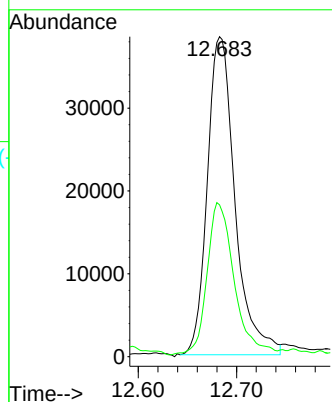
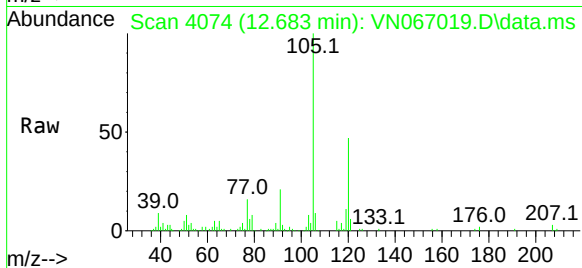




#76  
1,3,5-Trimethylbenzene  
Concen: 2.91 ug/l  
RT: 12.683 min Scan# 4074  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

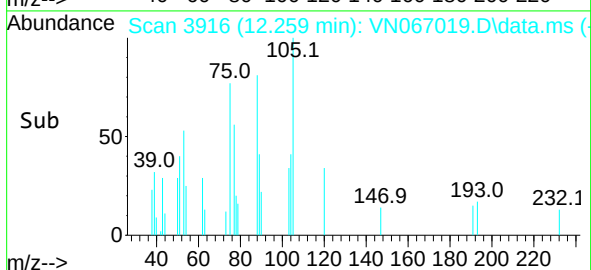
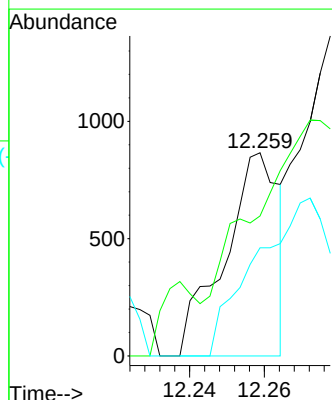
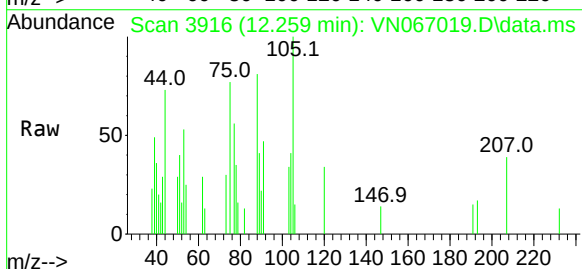
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

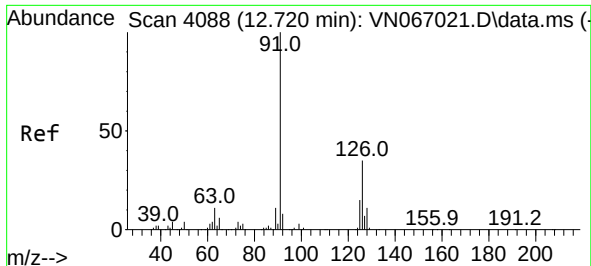
Tgt Ion:105 Resp: 75330  
Ion Ratio Lower Upper  
105 100  
120 44.9 0.0 93.4



#77  
t-1,4-Dichloro-2-butene  
Concen: 0.42 ug/l  
RT: 12.259 min Scan# 3916  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 75 Resp: 873  
Ion Ratio Lower Upper  
75 100  
53 32.3 43.1 129.4#  
89 53.2 18.8 56.4

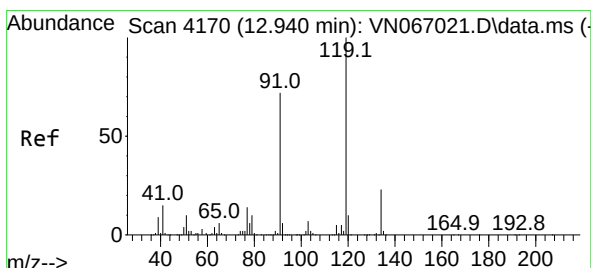
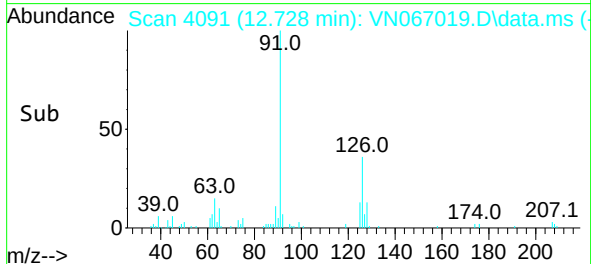
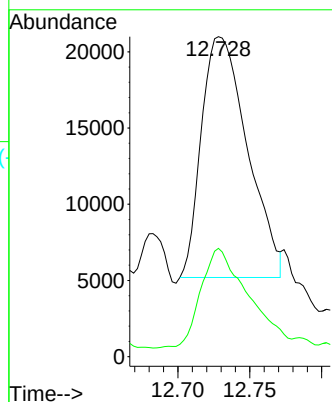
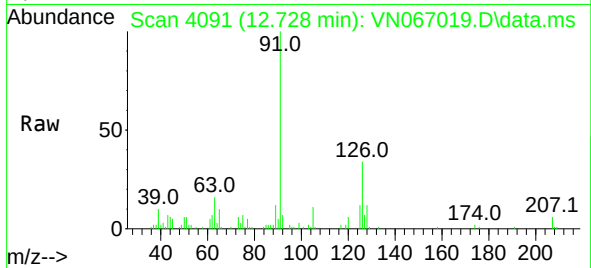




#78  
4-Chlorotoluene  
Concen: 1.71 ug/l  
RT: 12.728 min Scan# 4091  
Delta R.T. 0.008 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

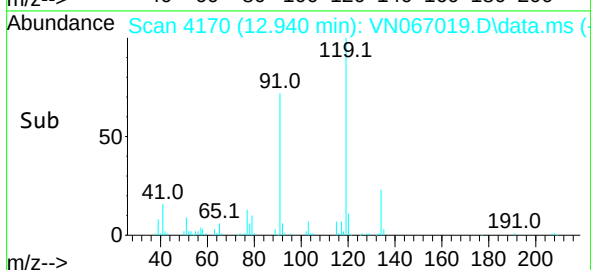
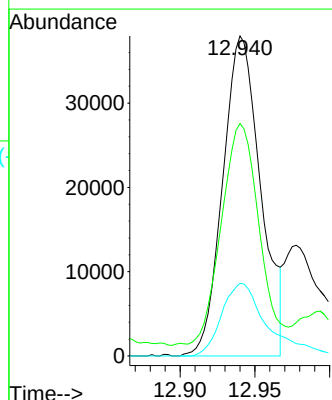
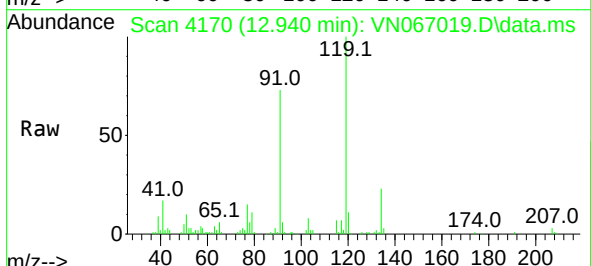
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

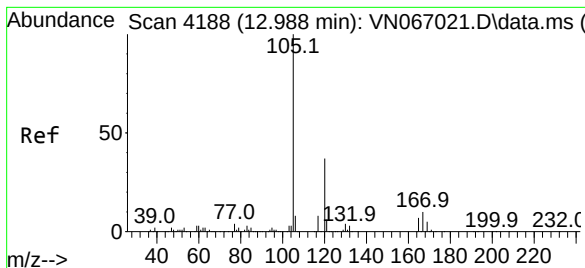
Tgt Ion: 91 Resp: 35180  
Ion Ratio Lower Upper  
91 100  
126 41.4 0.0 61.2



#79  
tert-butylbenzene  
Concen: 3.09 ug/l  
RT: 12.940 min Scan# 4170  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 119 Resp: 66949  
Ion Ratio Lower Upper  
119 100  
91 69.0 0.0 140.2  
134 27.3 0.0 46.6

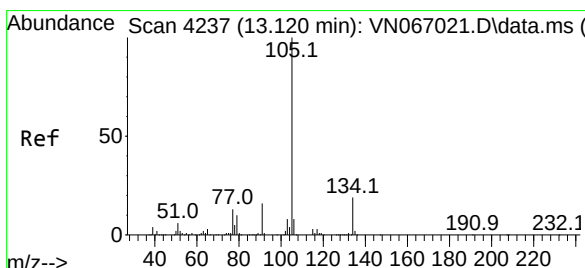
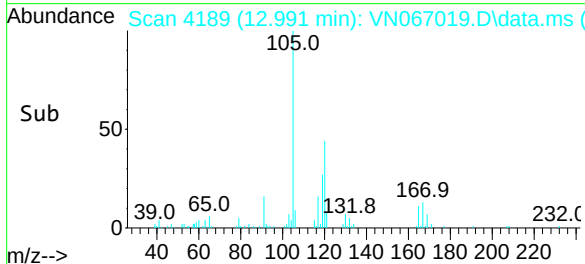
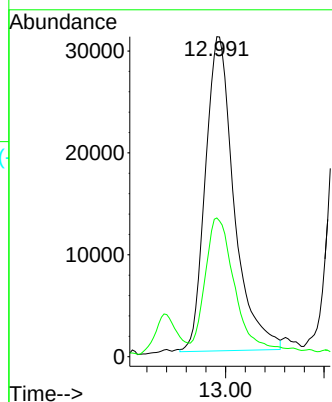
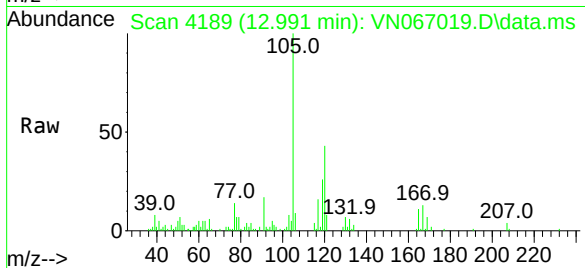




#80  
1,2,4-Trimethylbenzene  
Concen: 2.57 ug/l  
RT: 12.991 min Scan# 4189  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

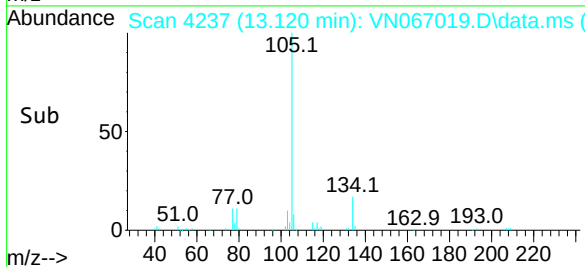
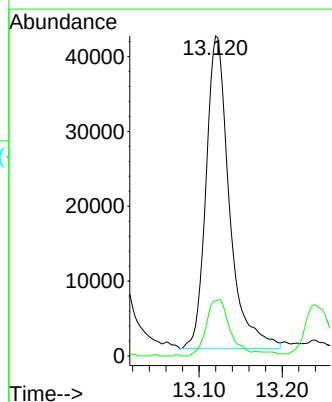
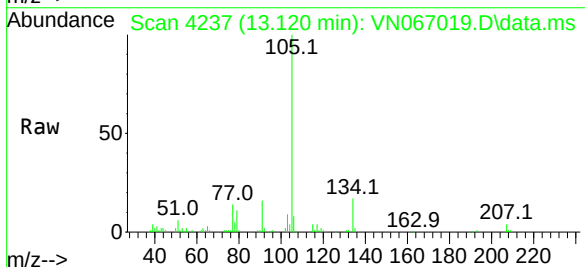
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

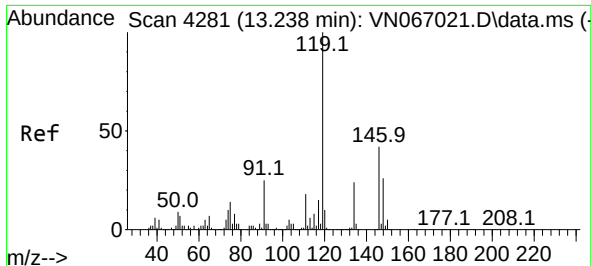
Tgt Ion:105 Resp: 62586  
Ion Ratio Lower Upper  
105 100  
120 40.8 0.0 88.8



#81  
sec-Butylbenzene  
Concen: 2.85 ug/l  
RT: 13.120 min Scan# 4237  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:105 Resp: 81166  
Ion Ratio Lower Upper  
105 100  
134 18.3 0.0 38.8

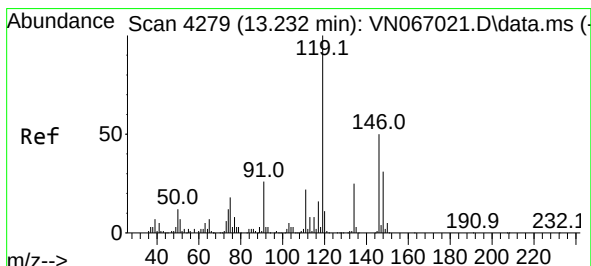
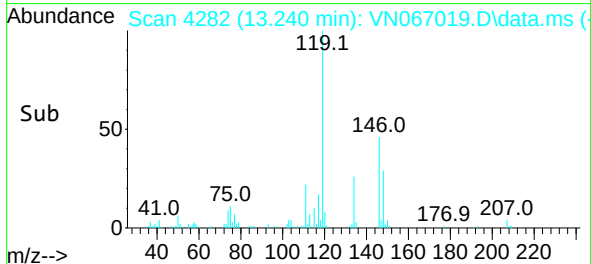
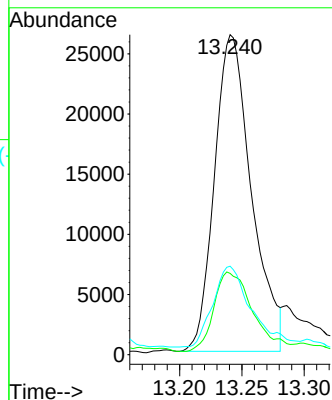
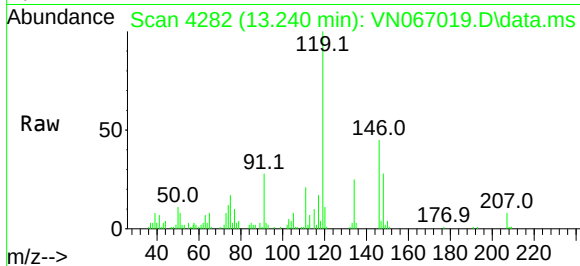




#82  
p-Isopropyltoluene  
Concen: 2.41 ug/l  
RT: 13.240 min Scan# 4282  
Delta R.T. 0.003 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

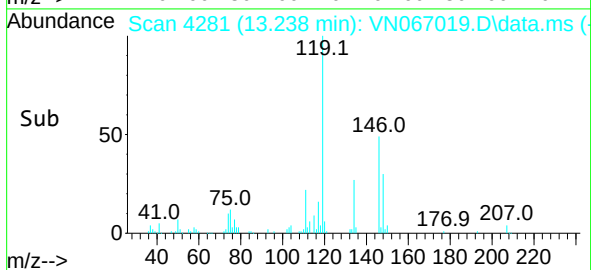
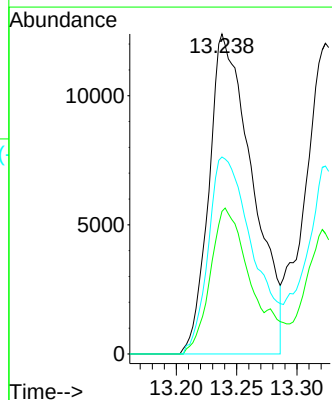
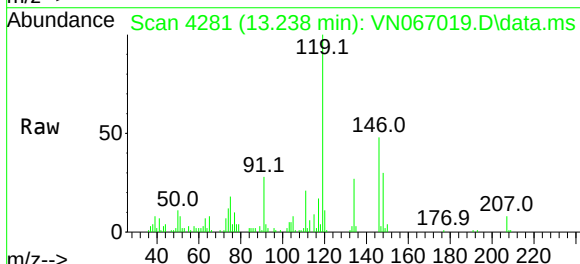
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

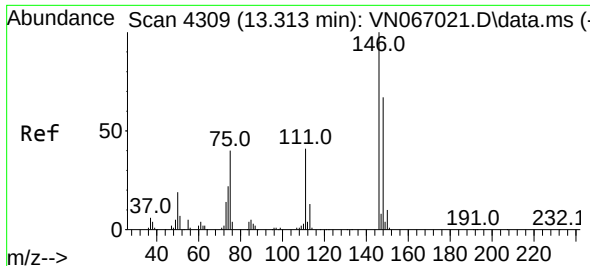
Tgt Ion:119 Resp: 54357  
Ion Ratio Lower Upper  
119 100  
134 25.1 0.0 49.8  
91 24.5 0.0 49.6



#83  
1,3-Dichlorobenzene  
Concen: 2.71 ug/l  
RT: 13.238 min Scan# 4281  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:146 Resp: 31031  
Ion Ratio Lower Upper  
146 100  
111 38.8 21.8 65.3  
148 64.2 32.1 96.3

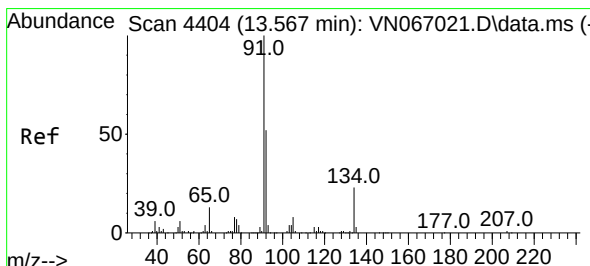
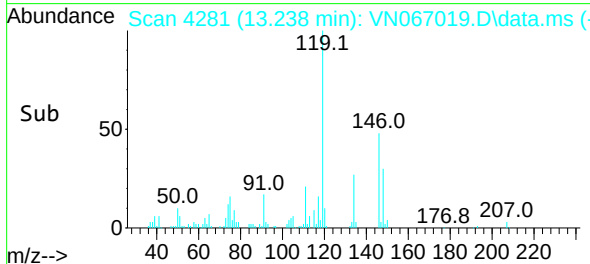
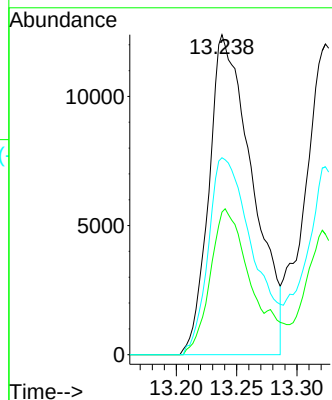
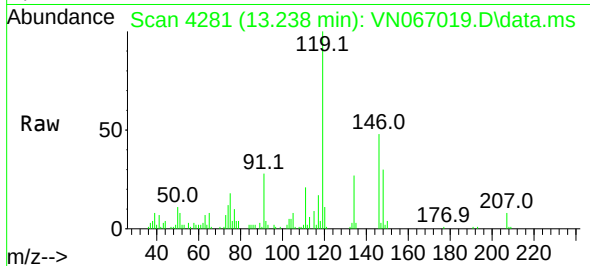




#84  
1,4-Dichlorobenzene  
Concen: 2.87 ug/l  
RT: 13.238 min Scan# 4281  
Delta R.T. -0.075 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

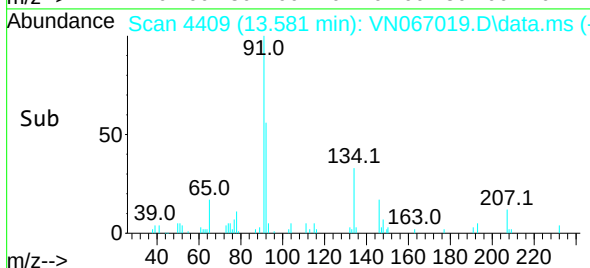
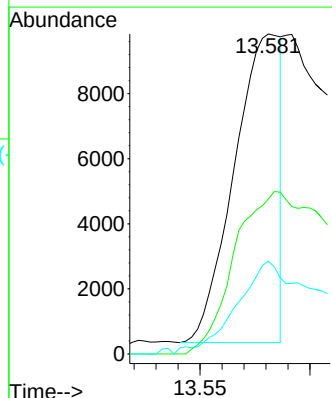
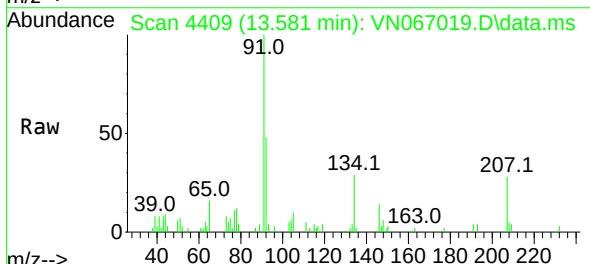
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

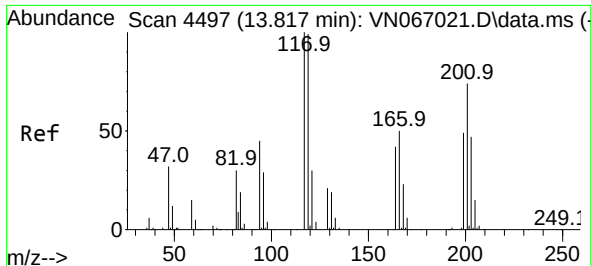
Tgt Ion:146 Resp: 31031  
Ion Ratio Lower Upper  
146 100  
111 38.8 18.5 55.5  
148 64.2 29.3 88.0



#85  
n-Butylbenzene  
Concen: 0.82 ug/l  
RT: 13.581 min Scan# 4409  
Delta R.T. 0.014 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion: 91 Resp: 13814  
Ion Ratio Lower Upper  
91 100  
92 68.7 0.0 95.4  
134 26.3 0.0 44.0

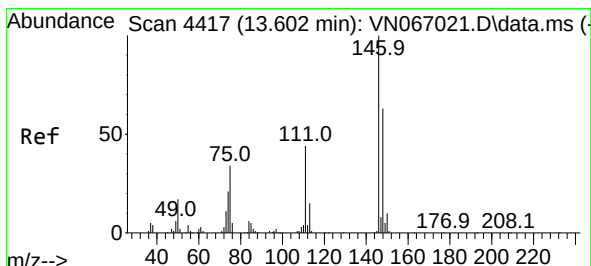
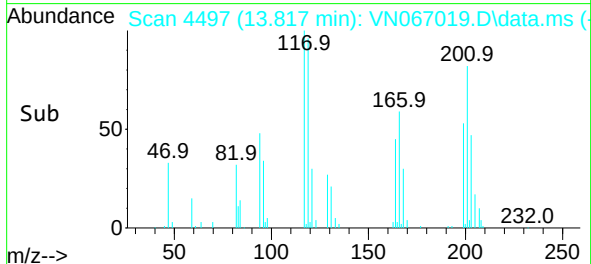
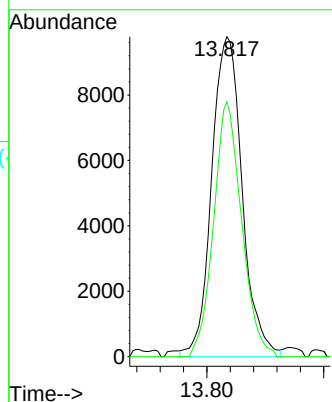
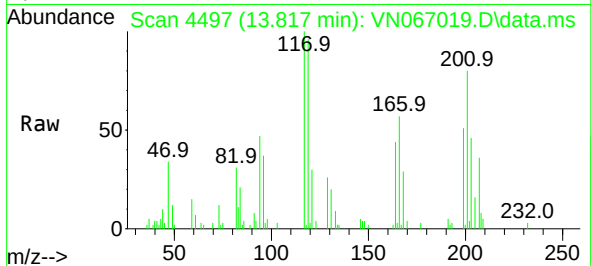




#86  
Hexachloroethane  
Concen: 3.60 ug/l  
RT: 13.817 min Scan# 4497  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

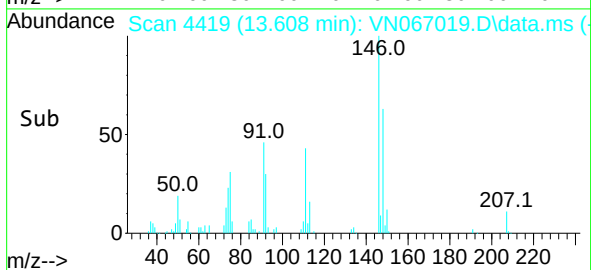
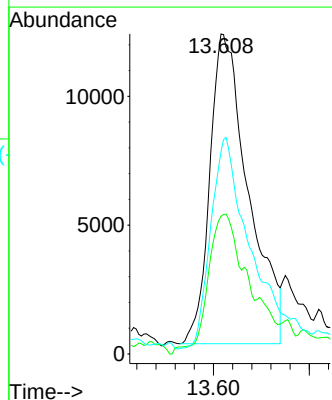
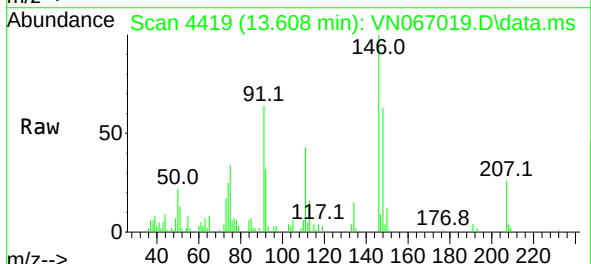
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

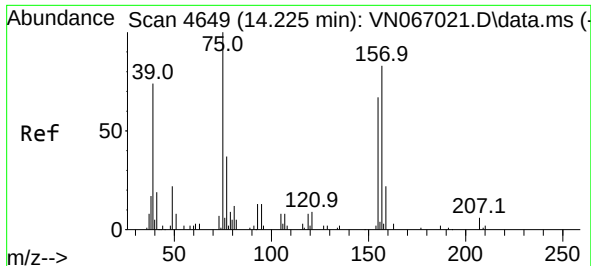
Tgt Ion:117 Resp: 17737  
Ion Ratio Lower Upper  
117 100  
201 73.1 37.8 113.4



#87  
1,2-Dichlorobenzene  
Concen: 2.77 ug/l  
RT: 13.608 min Scan# 4419  
Delta R.T. 0.006 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

Tgt Ion:146 Resp: 33610  
Ion Ratio Lower Upper  
146 100  
111 30.0 20.5 61.5  
148 69.8 30.1 90.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 1.70 ug/l

RT: 14.235 min Scan# 4653

Delta R.T. 0.011 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

Tgt Ion: 75 Resp: 2843

Ion Ratio Lower Upper

75 100

155 14.9 53.4 80.2#

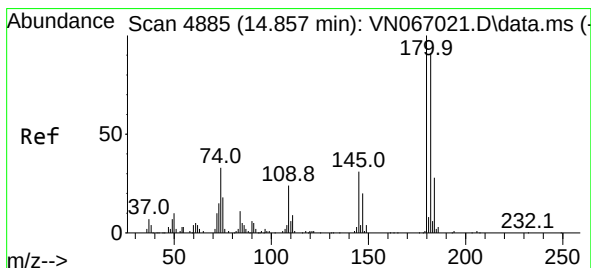
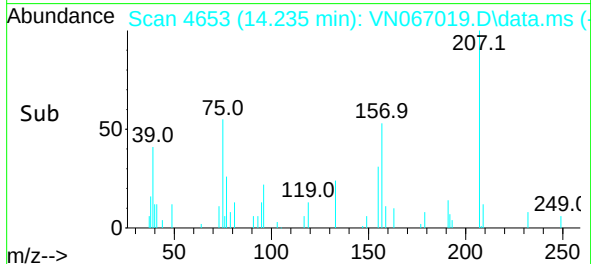
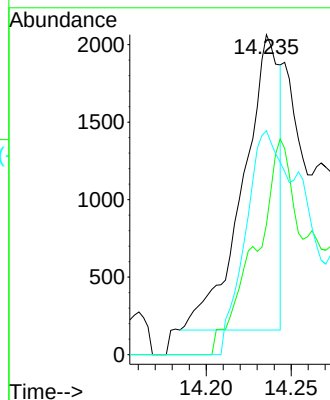
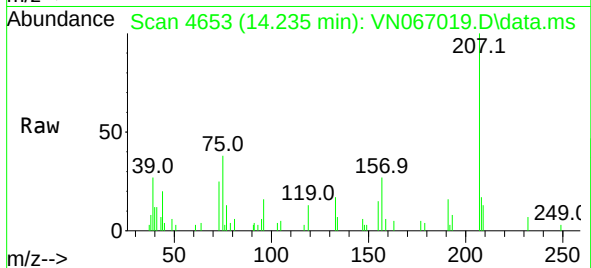
157 82.6 69.8 104.8

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005



#89

1,2,4-Trichlorobenzene

Concen: 2.42 ug/l

RT: 14.868 min Scan# 4889

Delta R.T. 0.011 min

Lab File: VN067019.D

Acq: 6 May 2021 19:12

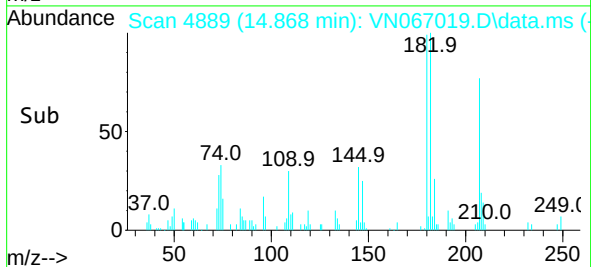
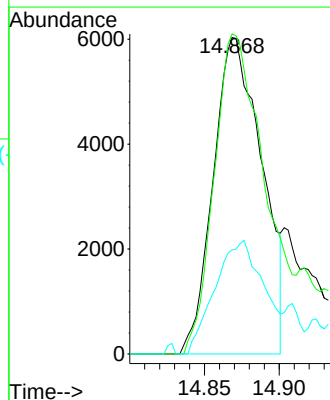
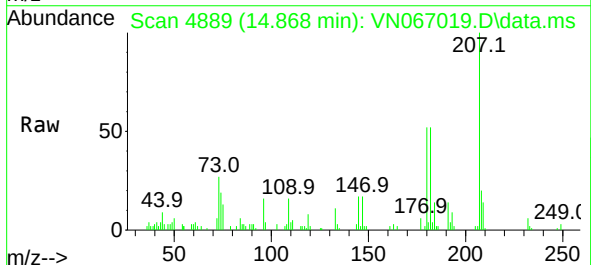
Tgt Ion:180 Resp: 13613

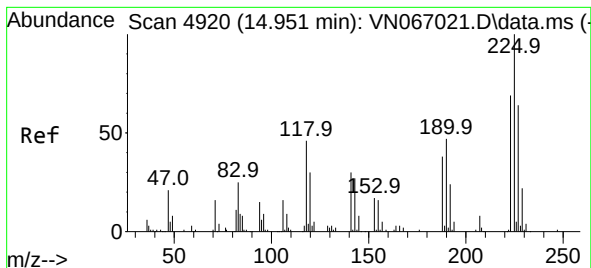
Ion Ratio Lower Upper

180 100

182 106.7 78.6 117.8

145 36.0 25.0 37.4

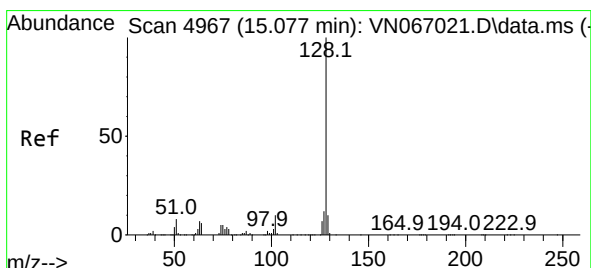
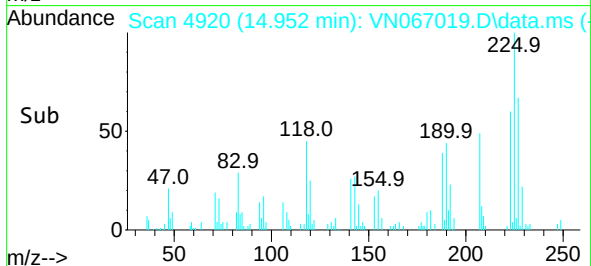
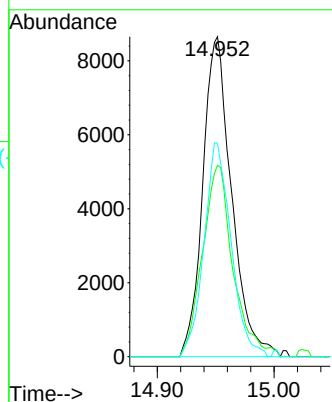
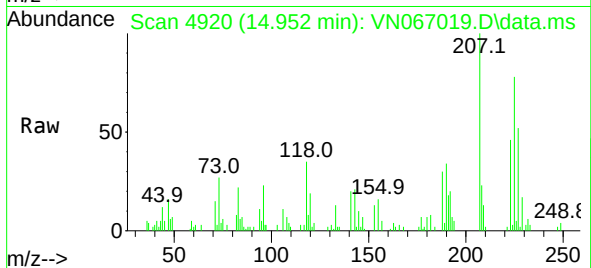




#90  
Hexachlorobutadiene  
Concen: 3.81 ug/l  
RT: 14.952 min Scan# 4920  
Delta R.T. 0.000 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

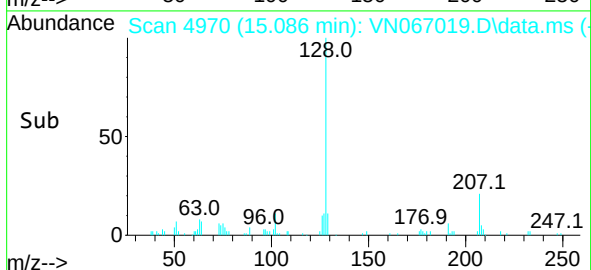
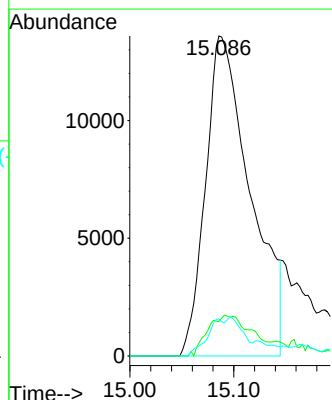
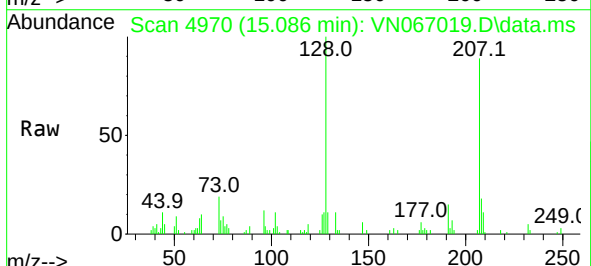
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 14813 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.3  | 0.0   | 137.2 |
| 227      | 63.0  | 0.0   | 127.8 |

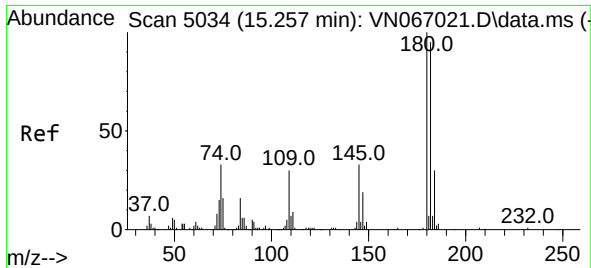


#91  
Naphthalene  
Concen: 2.60 ug/l  
RT: 15.086 min Scan# 4970  
Delta R.T. 0.008 min  
Lab File: VN067019.D  
Acq: 6 May 2021 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 40798 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.5   | 9.8   | 14.6# |
| 129      | 4.6   | 7.8   | 11.8# |







#92  
 1,2,3-Trichlorobenzene  
 Concen: 2.81 ug/l  
 RT: 15.265 min Scan# 5037  
 Delta R.T. 0.008 min  
 Lab File: VN067019.D  
 Acq: 6 May 2021 19:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 0.0   | 184.4 |
| 145     | 31.8  | 0.0   | 67.6  |

