

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031221\  
 Data File : VX021185.D  
 Acq On : 12 Mar 2021 16:56  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/15/2021 3:18:54 PM

Quant Time: Mar 13 01:07:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X031221W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Mar 12 12:55:27 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Bromochloromethane        | 4.982          | 128  | 14792      | 30.00   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.829          | 114  | 82817      | 30.00   | ug/l   | # 0.00   |
| 57) Chlorobenzene-d5         | 10.094         | 117  | 75604      | 30.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 6.035          | 65   | 41333      | 30.36   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 101.20% |        |          |
| 60) 4-Bromofluorobenzene     | 11.118         | 95   | 40437      | 29.25   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 97.50%  |        |          |
| 63) Toluene-d8               | 8.694          | 98   | 105614     | 30.79   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 102.63% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 17930      | 18.47   | ug/l   | 99       |
| 3) Chloromethane             | 1.317          | 50   | 18394      | 18.21   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.393          | 62   | 18480      | 18.30   | ug/l   | 97       |
| 5) Bromomethane              | 1.628          | 94   | 11868      | 19.80   | ug/l   | 98       |
| 6) Chloroethane              | 1.711          | 64   | 11294      | 18.11   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.917          | 101  | 28336      | 18.00   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.170          | 74   | 9914       | 18.68   | ug/l   | 79       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364          | 101  | 15651      | 18.46   | ug/l   | 95       |
| 10) 1,1-Dichloroethene       | 2.358          | 96   | 15110      | 18.43   | ug/l   | 89       |
| 11) Methyl Iodide            | 2.493          | 142  | 18367      | 16.93   | ug/l   | 88       |
| 12) Methyl Acetate           | 2.752          | 43   | 28771      | 20.79   | ug/l # | 87       |
| 13) Acrolein                 | 2.275          | 56   | 15416      | 87.98   | ug/l   | 97       |
| 14) Acrylonitrile            | 3.117          | 53   | 51810      | 99.58   | ug/l   | 98       |
| 15) Acetone                  | 2.423          | 58   | 13631      | 97.84   | ug/l # | 66       |
| 16) Carbon Disulfide         | 2.552          | 76   | 43287      | 17.98   | ug/l   | 98       |
| 17) Allyl chloride           | 2.705          | 41   | 32267      | 18.53   | ug/l   | 87       |
| 18) Methylene Chloride       | 2.834          | 84   | 20248      | 20.35   | ug/l # | 84       |
| 19) trans-1,2-Dichloroethene | 3.146          | 96   | 16874      | 18.54   | ug/l   | 87       |
| 20) Diisopropyl ether        | 3.829          | 45   | 64087      | 18.90   | ug/l # | 96       |
| 21) 1,1-Dichloroethane       | 3.670          | 63   | 33312      | 18.42   | ug/l   | 96       |
| 22) cis-1,2-Dichloroethene   | 4.558          | 96   | 19786      | 18.70   | ug/l   | 89       |
| 23) tert-Butyl Alcohol       | 3.017          | 59   | 21166      | 91.59   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.170          | 73   | 59530      | 19.02   | ug/l # | 84       |
| 25) Chloroform               | 5.182          | 83   | 35788      | 18.99   | ug/l   | 100      |
| 26) Cyclohexane              | 5.546          | 56   | 29839      | 18.59   | ug/l # | 54       |
| 29) 1,1-Dichloropropene      | 5.770          | 75   | 25142      | 18.21   | ug/l   | 96       |
| 30) 2-Butanone               | 4.635          | 43   | 77323      | 100.22  | ug/l   | 92       |
| 31) 2,2-Dichloropropane      | 4.552          | 77   | 27918      | 18.01   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.464          | 97   | 30722      | 18.24   | ug/l   | 94       |
| 33) Carbon Tetrachloride     | 5.752          | 117  | 26677      | 18.06   | ug/l   | 97       |
| 34) Benzene                  | 6.111          | 78   | 72754      | 18.39   | ug/l # | 97       |
| 35) Methacrylonitrile        | 4.999          | 41   | 16667      | 19.00   | ug/l   | 92       |
| 36) 1,2-Dichloroethane       | 6.164          | 62   | 31510      | 18.46   | ug/l # | 93       |
| 37) Trichloroethene          | 7.188          | 130  | 19162      | 18.49   | ug/l   | 98       |
| 38) Methylcyclohexane        | 7.441          | 83   | 28308      | 18.14   | ug/l   | 91       |
| 39) 1,2-Dichloropropane      | 7.488          | 63   | 19293      | 17.99   | ug/l   | 99       |
| 40) Dibromomethane           | 7.635          | 93   | 13715      | 18.05   | ug/l   | 90       |
| 41) Bromodichloromethane     | 7.876          | 83   | 28674      | 18.05   | ug/l   | 97       |
| 42) Vinyl Acetate            | 3.787          | 43   | 269604     | 92.36   | ug/l # | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031221\  
 Data File : VX021185.D  
 Acq On : 12 Mar 2021 16:56  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

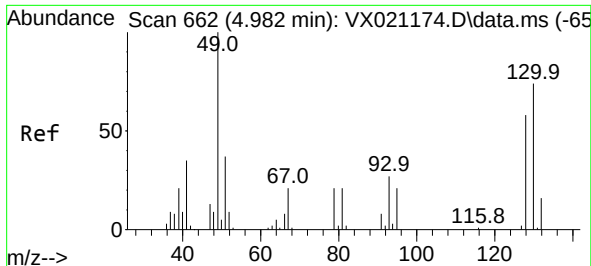
MMDadoda  
 3/15/2021 3:18:54 PM

Quant Time: Mar 13 01:07:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X031221W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Mar 12 12:55:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.793  | 43   | 29545    | 19.19  | ug/l   | 99       |
| 44) Isopropyl Acetate         | 6.411  | 43   | 48540    | 18.94  | ug/l # | 90       |
| 45) 1,4-Dioxane               | 7.717  | 88   | 8721     | 364.90 | ug/l # | 84       |
| 46) Methyl methacrylate       | 7.747  | 41   | 26135    | 19.01  | ug/l   | 80       |
| 47) n-amyl Acetate            | 10.882 | 43   | 40597    | 18.14  | ug/l   | 93       |
| 48) t-1,3-Dichloropropene     | 9.023  | 75   | 29136    | 17.84  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 8.412  | 75   | 31559    | 18.15  | ug/l # | 85       |
| 50) 1,1,2-Trichloroethane     | 9.194  | 97   | 18549    | 18.26  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 9.159  | 69   | 29421m   | 18.27  | ug/l   |          |
| 52) 1,3-Dichloropropane       | 9.353  | 76   | 32310    | 18.29  | ug/l   | 99       |
| 53) Dibromochloromethane      | 9.565  | 129  | 20598    | 17.55  | ug/l   | 97       |
| 54) 1,2-Dibromoethane         | 9.653  | 107  | 19866    | 18.49  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.288  | 63   | 80349    | 94.88  | ug/l   | 96       |
| 56) Bromoform                 | 10.841 | 173  | 14335    | 17.29  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 8.617  | 43   | 156151   | 102.01 | ug/l # | 88       |
| 59) 2-Hexanone                | 9.471  | 43   | 116480   | 100.97 | ug/l   | 87       |
| 61) Tetrachloroethene         | 9.318  | 164  | 18821    | 19.21  | ug/l   | 97       |
| 62) Toluene                   | 8.765  | 91   | 77864    | 18.58  | ug/l   | 100      |
| 64) Chlorobenzene             | 10.124 | 112  | 46969    | 18.14  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.206 | 131  | 18074    | 18.38  | ug/l   | 97       |
| 66) Ethyl Benzene             | 10.235 | 91   | 90590    | 18.80  | ug/l   | 97       |
| 67) m/p-Xylenes               | 10.341 | 106  | 63322    | 36.49  | ug/l   | 93       |
| 68) o-Xylene                  | 10.682 | 106  | 30454    | 18.13  | ug/l   | 87       |
| 69) Styrene                   | 10.694 | 104  | 51297    | 18.00  | ug/l   | 93       |
| 70) Isopropylbenzene          | 11.000 | 105  | 83568    | 18.19  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 26975    | 18.52  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 11.277 | 75   | 28044m   | 18.91  | ug/l   |          |
| 73) Bromobenzene              | 11.241 | 156  | 19240    | 17.67  | ug/l   | 87       |
| 74) n-propylbenzene           | 11.341 | 91   | 97518    | 17.88  | ug/l   | 97       |
| 75) 2-Chlorotoluene           | 11.406 | 91   | 58598    | 17.84  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 69084    | 17.68  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 11.059 | 75   | 8152     | 16.74  | ug/l   | 82       |
| 78) 4-Chlorotoluene           | 11.494 | 91   | 67597    | 17.67  | ug/l   | 97       |
| 79) tert-butylbenzene         | 11.753 | 119  | 63540    | 17.56  | ug/l   | 91       |
| 80) 1,2,4-Trimethylbenzene    | 11.788 | 105  | 70528    | 17.97  | ug/l   | 97       |
| 81) sec-Butylbenzene          | 11.930 | 105  | 78635    | 18.03  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 12.047 | 119  | 70345    | 17.76  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 12.006 | 146  | 33694    | 17.29  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 12.083 | 146  | 33463    | 17.12  | ug/l   | 97       |
| 85) n-Butylbenzene            | 12.371 | 91   | 63362    | 17.26  | ug/l   | 97       |
| 86) Hexachloroethane          | 12.577 | 117  | 12281    | 16.80  | ug/l   | 91       |
| 87) 1,2-Dichlorobenzene       | 12.377 | 146  | 32722    | 17.14  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 6681     | 18.42  | ug/l # | 80       |
| 89) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 20762    | 17.28  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 13.765 | 225  | 9047     | 17.29  | ug/l   | 99       |
| 91) Naphthalene               | 13.818 | 128  | 71770    | 18.48  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 19966    | 17.08  | ug/l   | 98       |

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





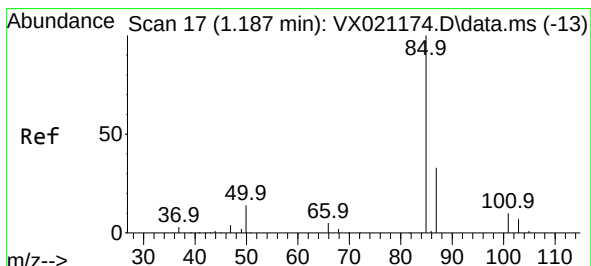
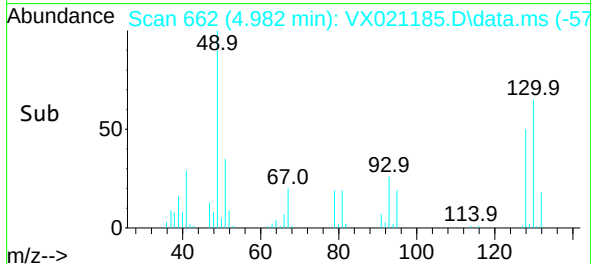
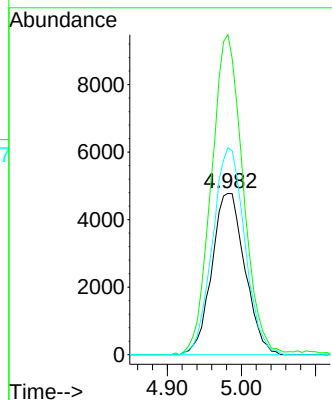
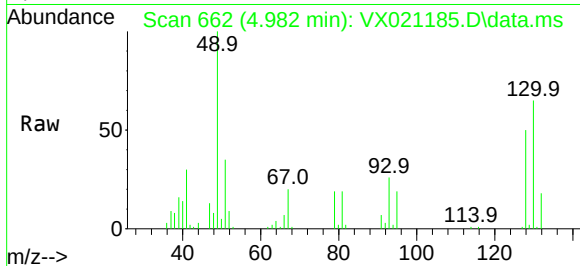
#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 4.982 min Scan# 662  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 190.1 | 0.0   | 367.5 |
| 130     | 125.4 | 0.0   | 318.8 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

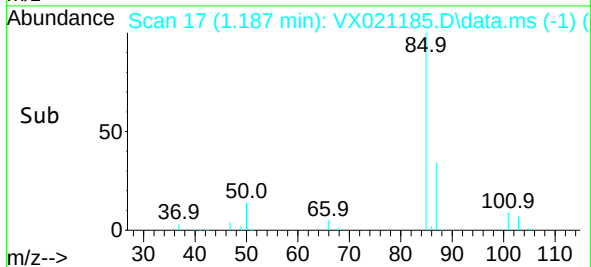
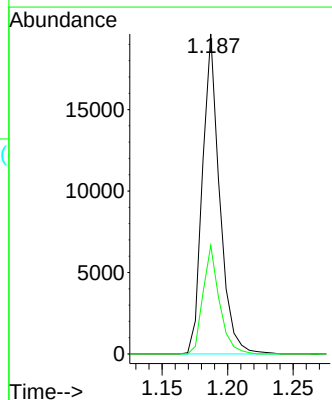
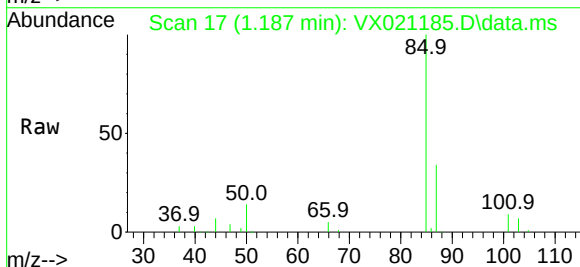
Manual Integrations  
APPROVED

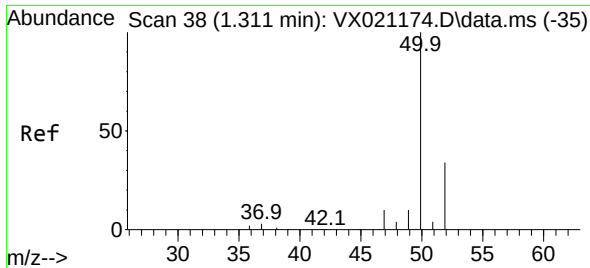
MMDadoda  
3/15/2021 3:18:54 PM



#2  
Dichlorodifluoromethane  
Concen: 18.47 ug/l  
RT: 1.187 min Scan# 17  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 33.9  | 16.8  | 50.4  |





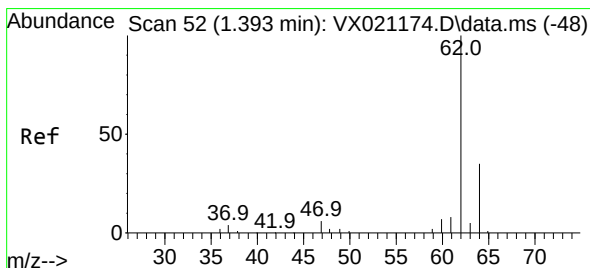
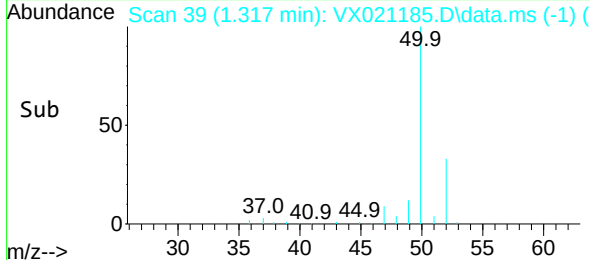
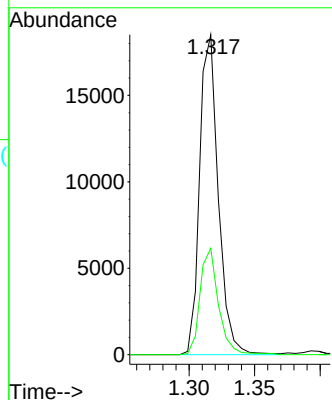
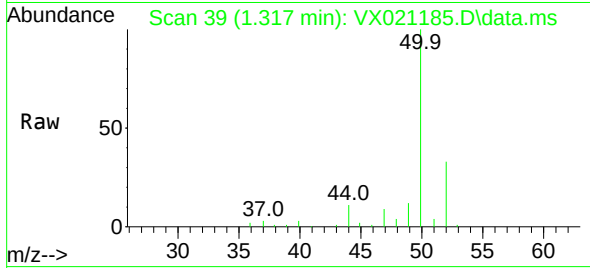
#3  
Chloromethane  
Concen: 18.21 ug/l  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 50 Resp: 18394  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.9 40.3

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

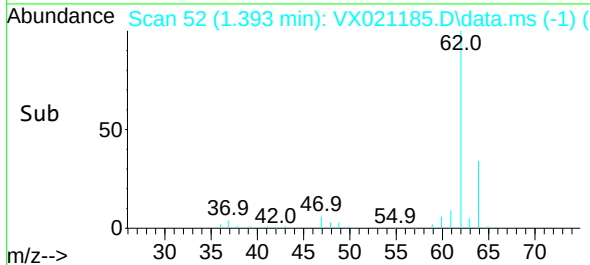
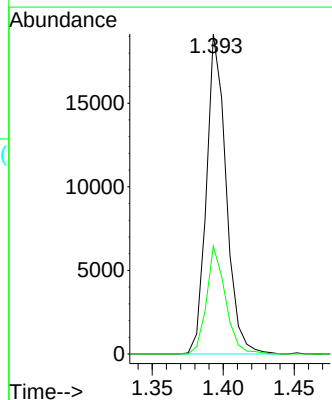
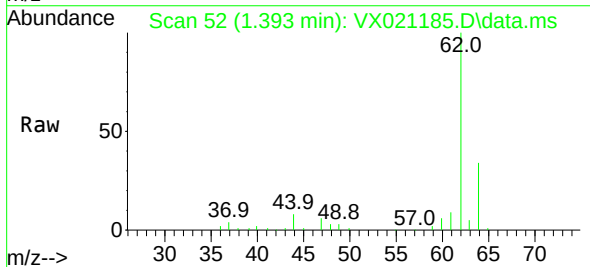
Manual Integrations  
APPROVED

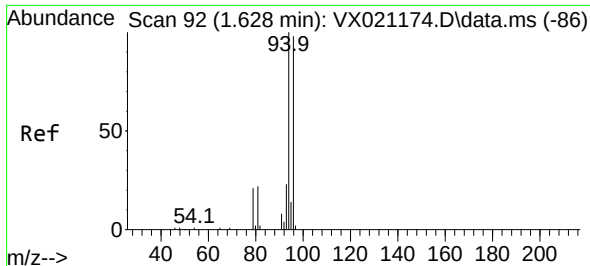
MMDadoda  
3/15/2021 3:18:54 PM



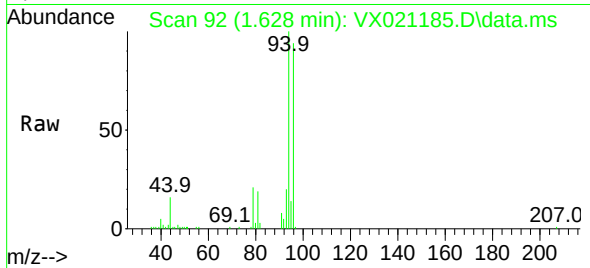
#4  
Vinyl Chloride  
Concen: 18.30 ug/l  
RT: 1.393 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 62 Resp: 18480  
Ion Ratio Lower Upper  
62 100  
64 33.7 25.4 38.2

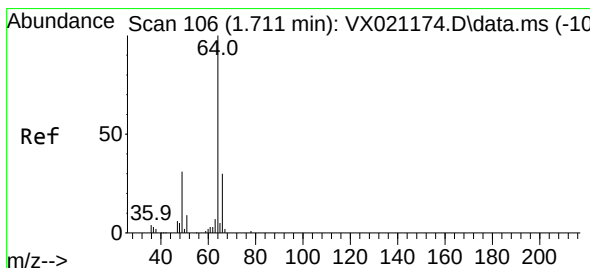
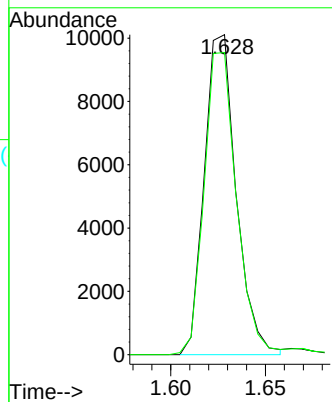
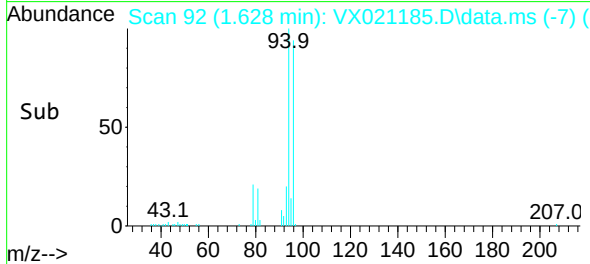




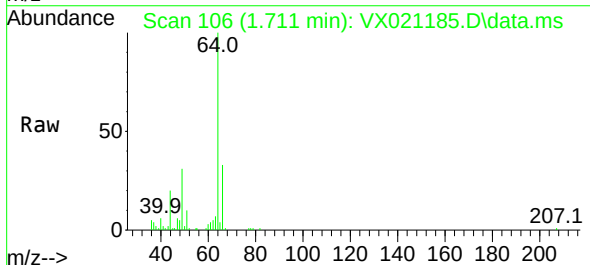
#5  
Bromomethane  
Concen: 19.80 ug/l  
RT: 1.628 min Scan# 92  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



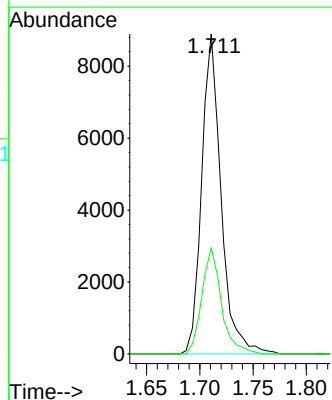
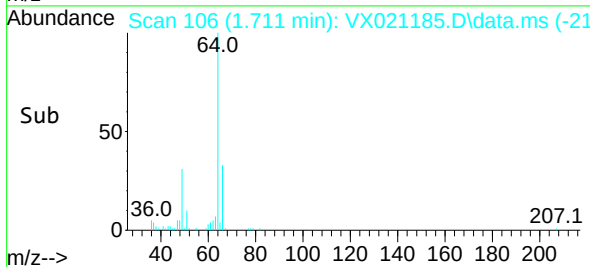
Tgt Ion: 94 Resp: 11868  
Ion Ratio Lower Upper  
94 100  
96 93.7 76.6 114.8



#6  
Chloroethane  
Concen: 18.11 ug/l  
RT: 1.711 min Scan# 106  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



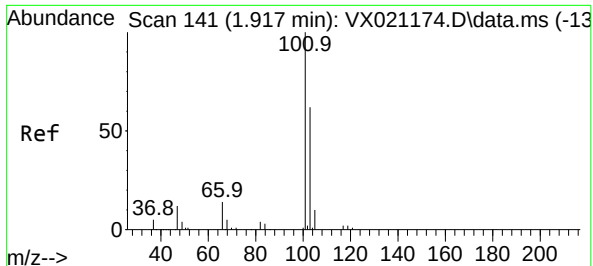
Tgt Ion: 64 Resp: 11294  
Ion Ratio Lower Upper  
64 100  
66 33.1 27.4 41.2



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



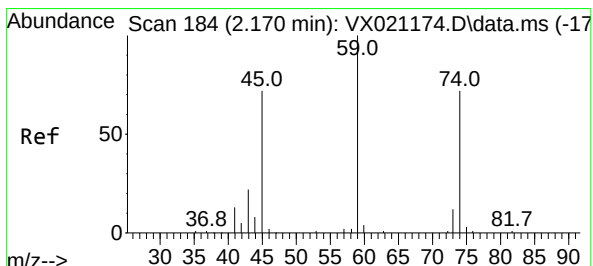
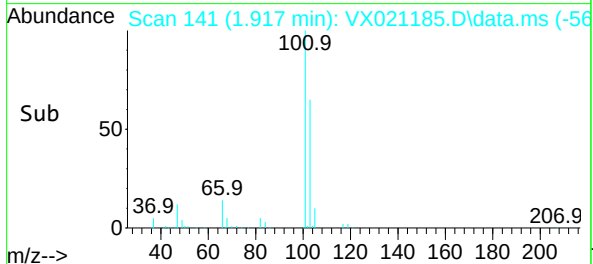
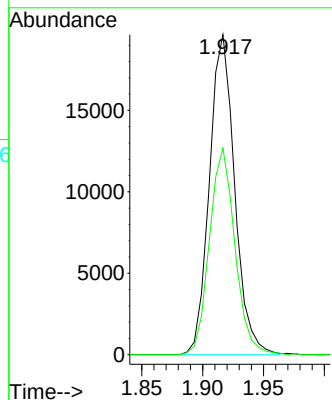
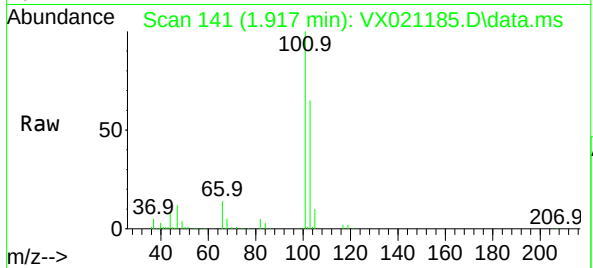
#7  
Trichlorofluoromethane  
Concen: 18.00 ug/l  
RT: 1.917 min Scan# 141  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:101 Resp: 28336  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.4 77.2

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

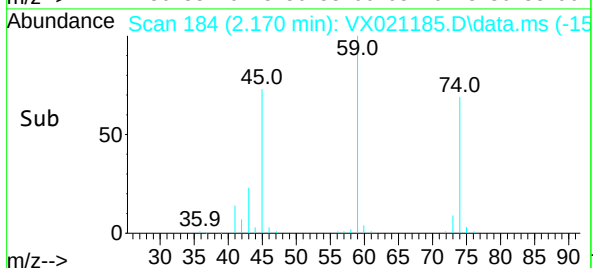
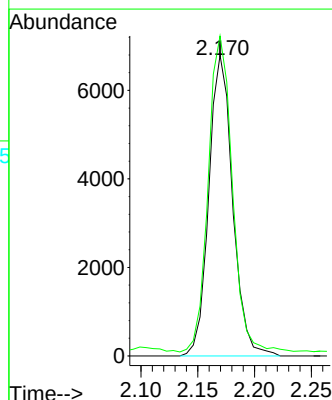
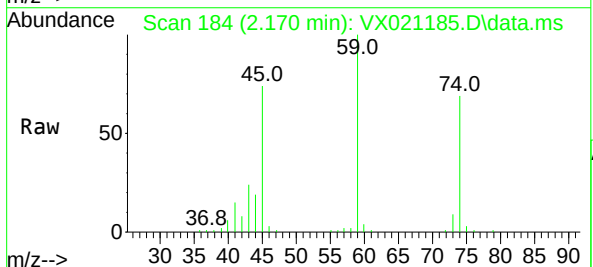
Manual Integrations  
APPROVED

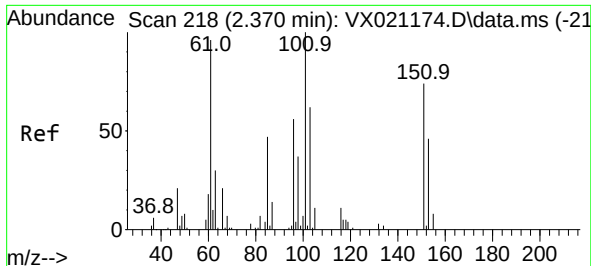
MMDadoda  
3/15/2021 3:18:54 PM



#8  
Diethyl Ether  
Concen: 18.68 ug/l  
RT: 2.170 min Scan# 184  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 74 Resp: 9914  
Ion Ratio Lower Upper  
74 100  
45 106.0 17.3 155.7





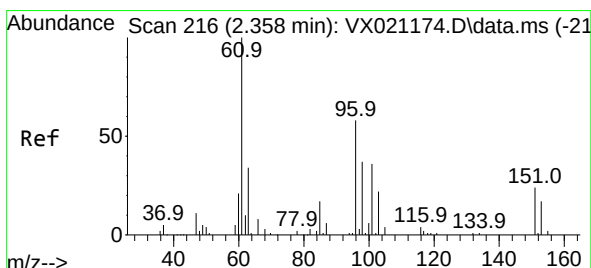
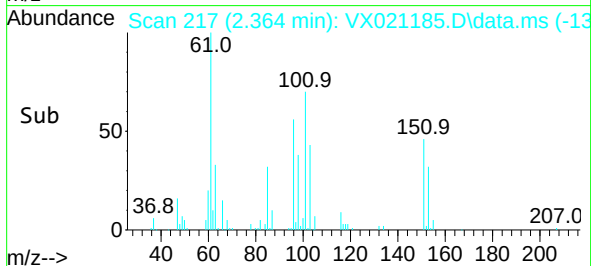
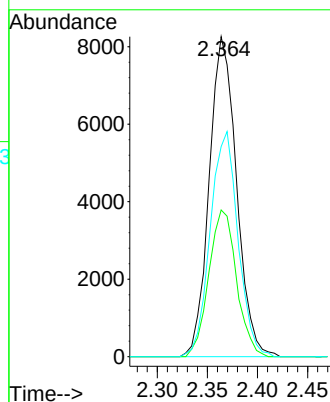
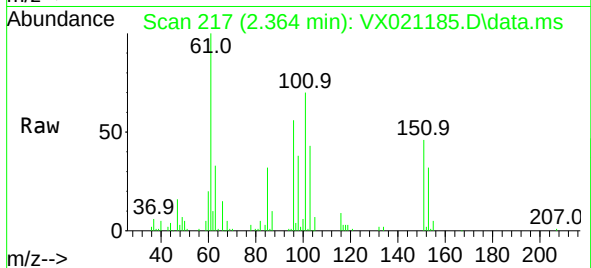
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.46 ug/l  
RT: 2.364 min Scan# 217  
Delta R.T. -0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 15651 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.4  | 0.0   | 88.0  |
| 151       | 71.4  | 0.0   | 151.8 |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

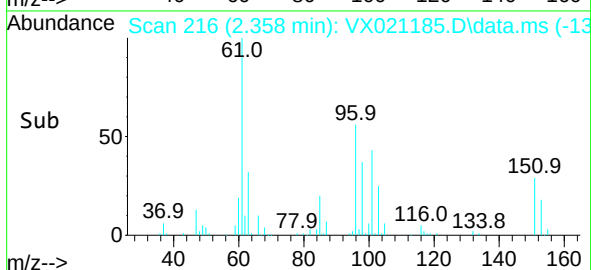
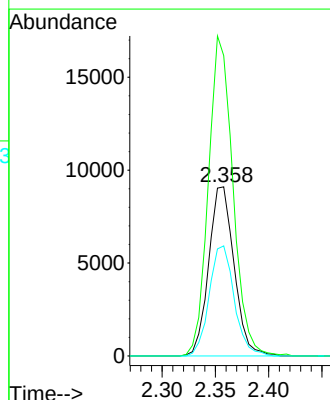
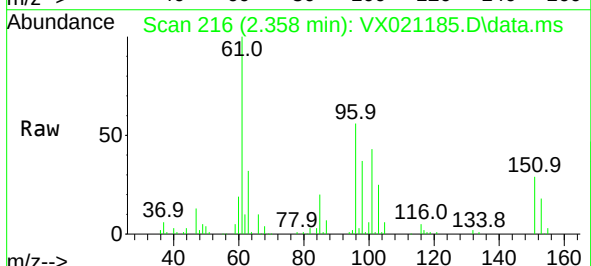
Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM

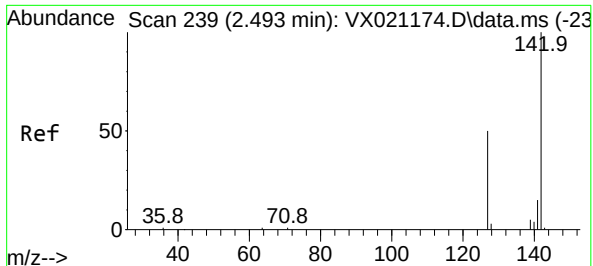


#10  
1,1-Dichloroethene  
Concen: 18.43 ug/l  
RT: 2.358 min Scan# 216  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

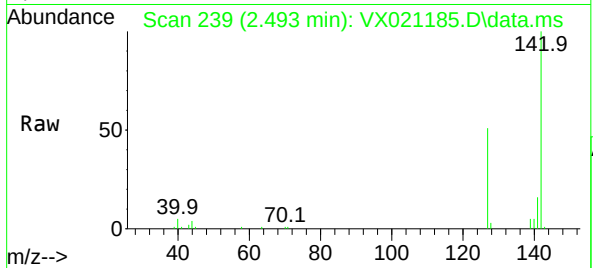
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 15110 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 177.6 | 126.1 | 189.1 |
| 98        | 65.1  | 51.3  | 76.9  |



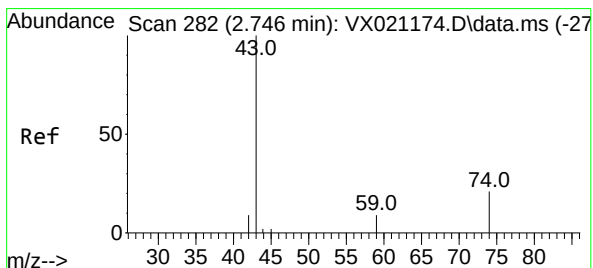
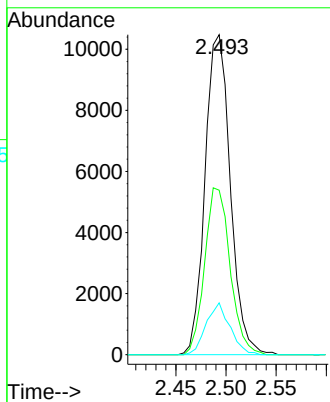
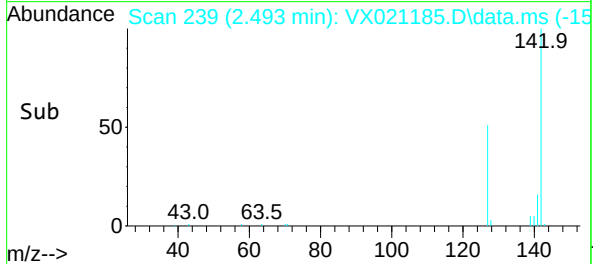




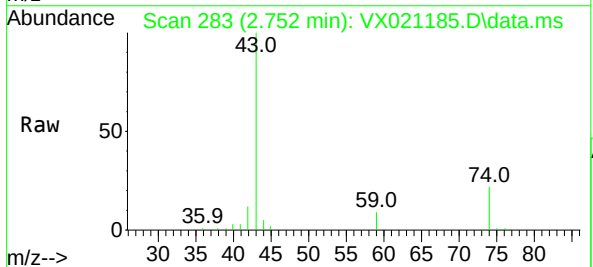
#11  
Methyl Iodide  
Concen: 16.93 ug/l  
RT: 2.493 min Scan# 239  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



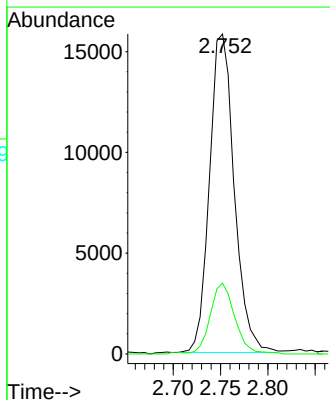
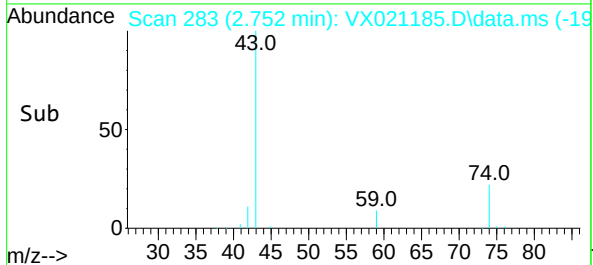
Tgt Ion:142 Resp: 18367  
Ion Ratio Lower Upper  
142 100  
127 51.4 21.4 64.2  
141 16.2 6.5 19.4



#12  
Methyl Acetate  
Concen: 20.79 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



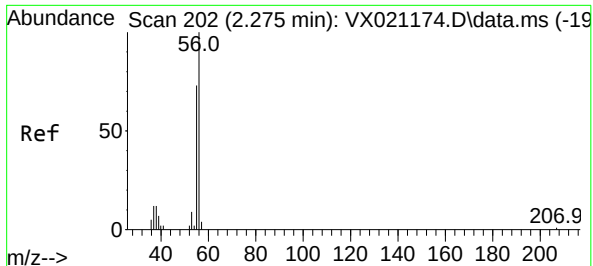
Tgt Ion: 43 Resp: 28771  
Ion Ratio Lower Upper  
43 100  
74 21.8 22.8 34.2#



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

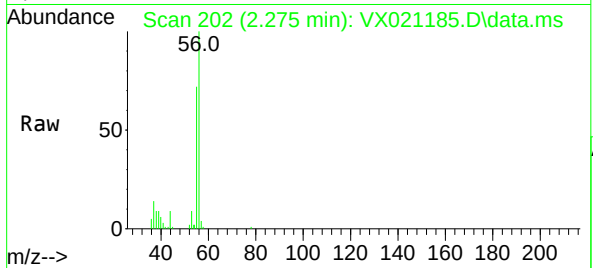
Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#13  
Acrolein  
Concen: 87.98 ug/l  
RT: 2.275 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

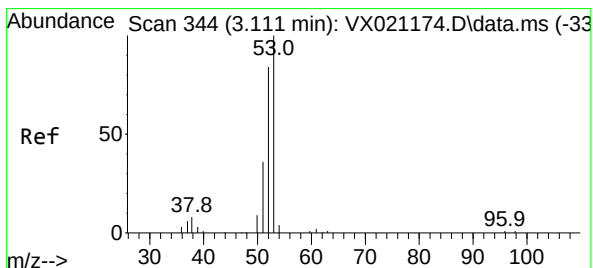
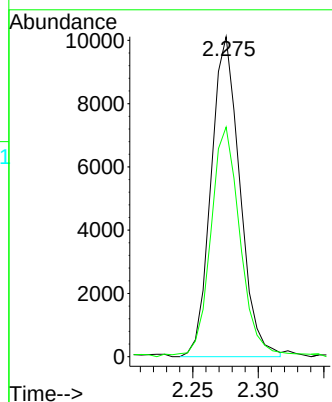
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



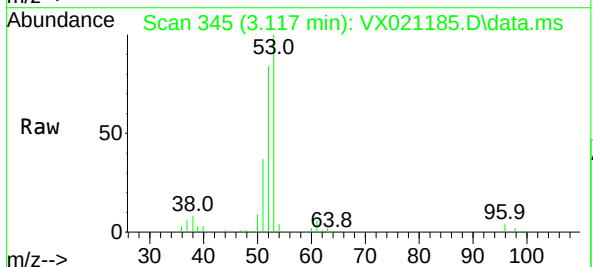
Tgt Ion: 56 Resp: 15416  
Ion Ratio Lower Upper  
56 100  
55 72.9 56.3 84.5

Manual Integrations  
APPROVED

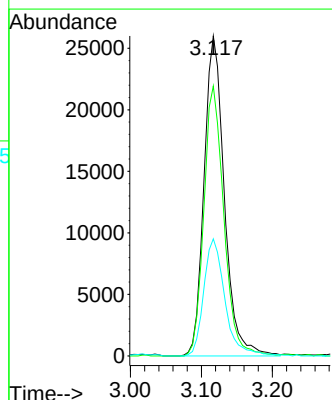
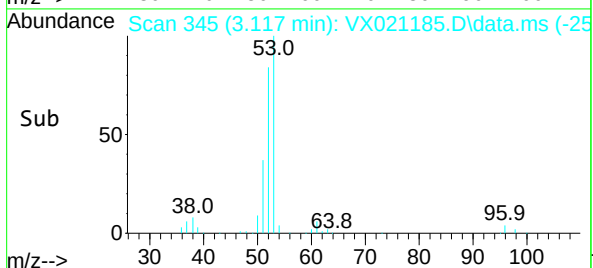
MMDadoda  
3/15/2021 3:18:54 PM

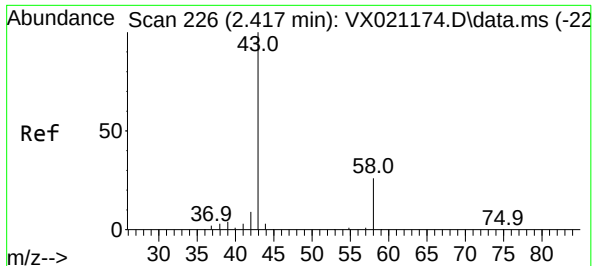


#14  
Acrylonitrile  
Concen: 99.58 ug/l  
RT: 3.117 min Scan# 345  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

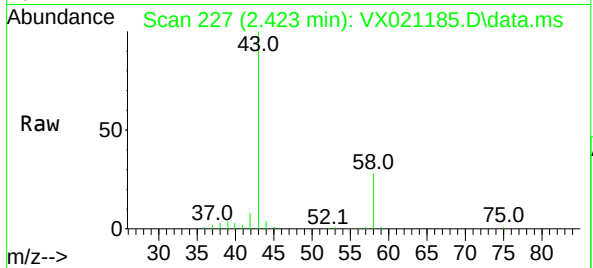


Tgt Ion: 53 Resp: 51810  
Ion Ratio Lower Upper  
53 100  
52 83.1 41.1 123.3  
51 37.8 17.6 52.9

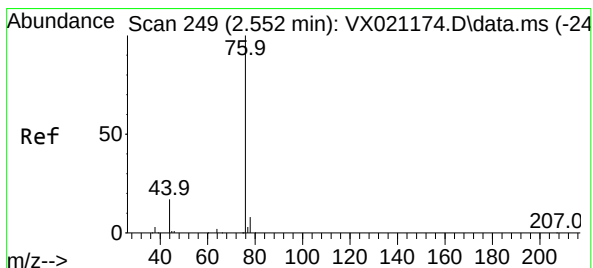
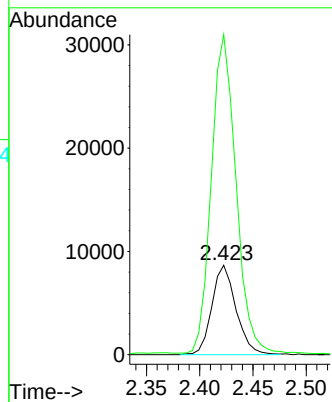
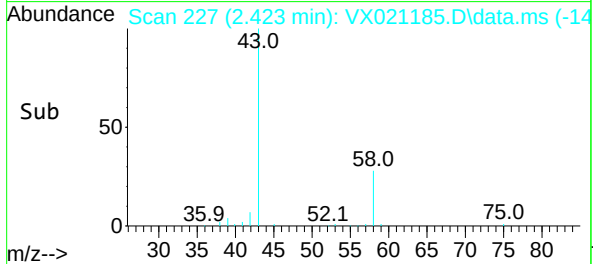




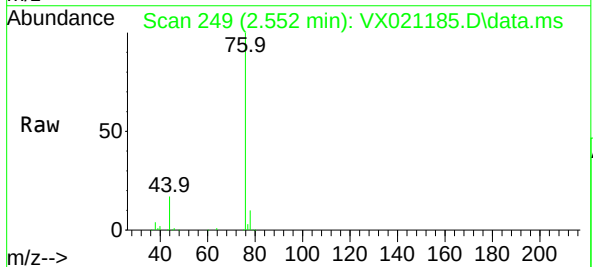
#15  
Acetone  
Concen: 97.84 ug/l  
RT: 2.423 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



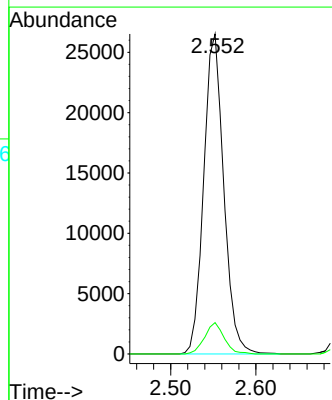
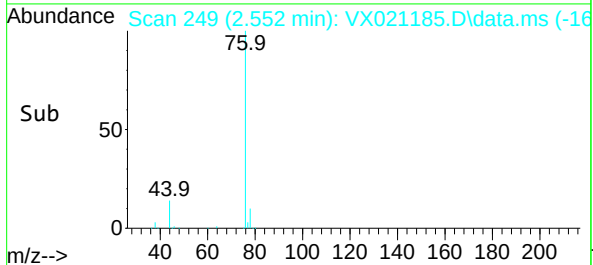
Tgt Ion: 58 Resp: 13631  
Ion Ratio Lower Upper  
58 100  
43 356.1 232.6 348.8#



#16  
Carbon Disulfide  
Concen: 17.98 ug/l  
RT: 2.552 min Scan# 249  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



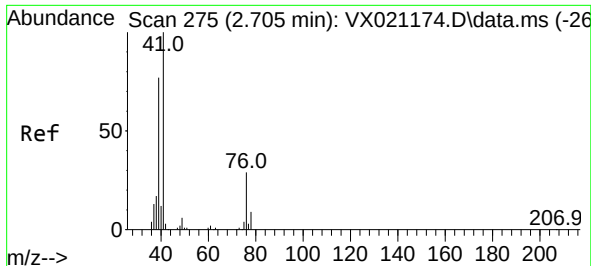
Tgt Ion: 76 Resp: 43287  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.4 11.0



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

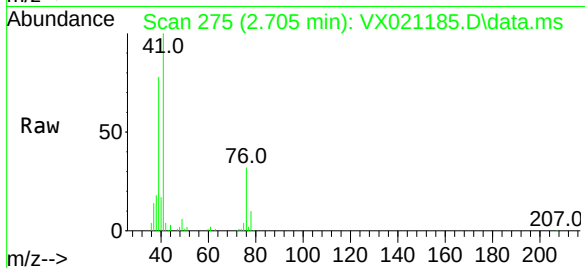
Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#17  
 Allyl chloride  
 Concen: 18.53 ug/l  
 RT: 2.705 min Scan# 275  
 Delta R.T. -0.000 min  
 Lab File: VX021185.D  
 Acq: 12 Mar 2021 16:56

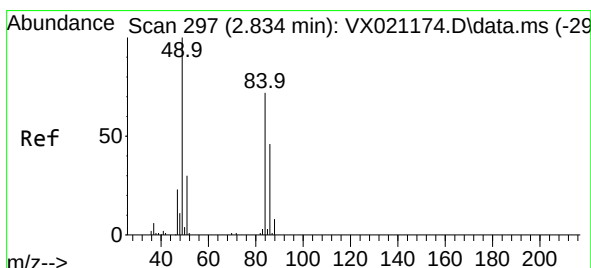
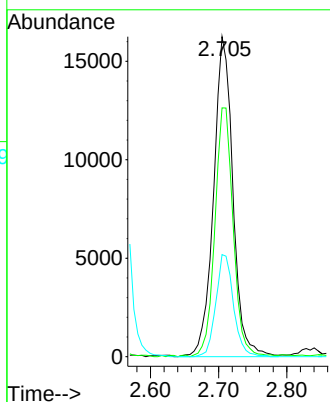
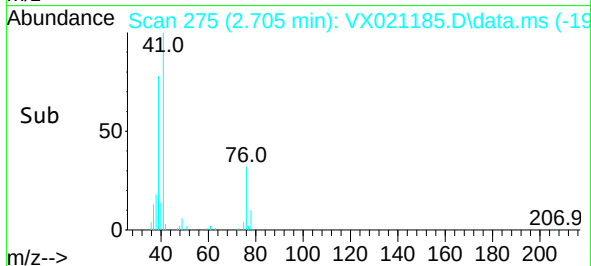
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



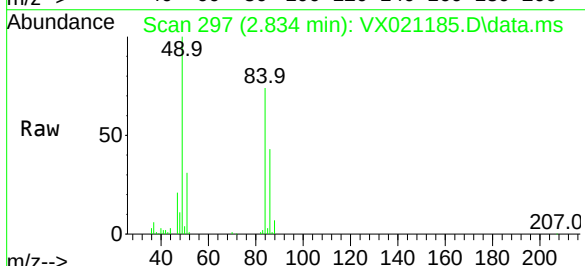
Tgt Ion: 41 Resp: 32267  
 Ion Ratio Lower Upper  
 41 100  
 39 77.8 34.8 104.4  
 76 31.9 21.3 63.9

Manual Integrations  
 APPROVED

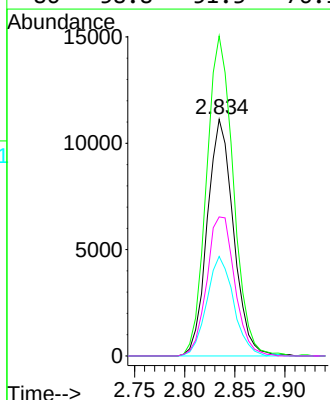
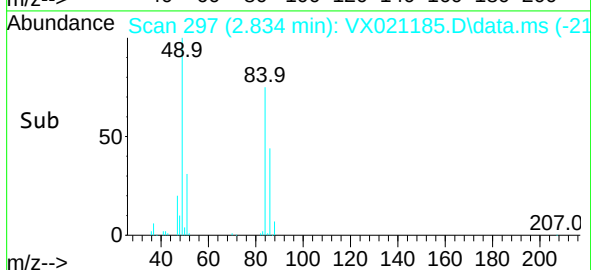
MMDadoda  
 3/15/2021 3:18:54 PM

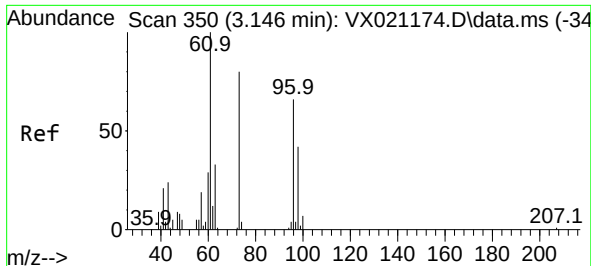


#18  
 Methylene Chloride  
 Concen: 20.35 ug/l  
 RT: 2.834 min Scan# 297  
 Delta R.T. 0.000 min  
 Lab File: VX021185.D  
 Acq: 12 Mar 2021 16:56



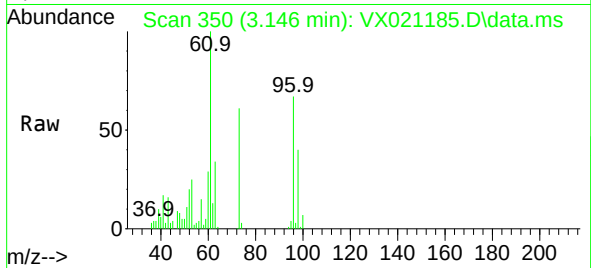
Tgt Ion: 84 Resp: 20248  
 Ion Ratio Lower Upper  
 84 100  
 49 135.2 90.6 136.0  
 51 42.0 26.3 39.5#  
 86 58.8 51.3 76.9





#19  
trans-1,2-Dichloroethene  
Concen: 18.54 ug/l  
RT: 3.146 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

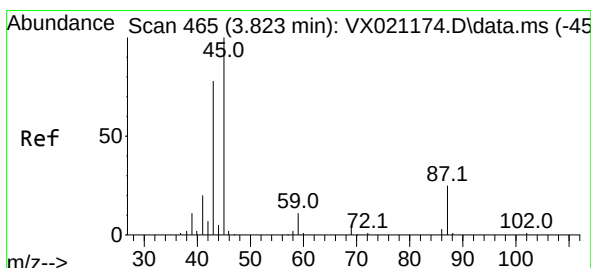
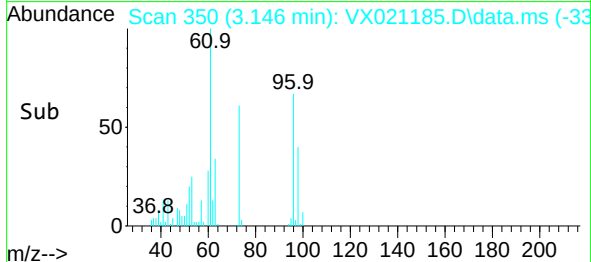
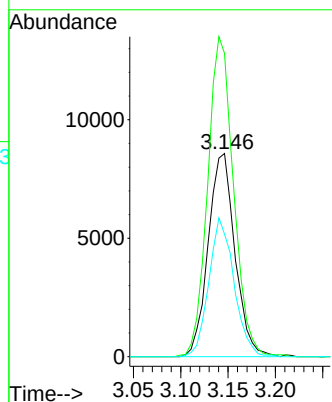
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 16874 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 148.6 | 103.0 | 154.4 |
| 98       | 60.3  | 51.8  | 77.6  |

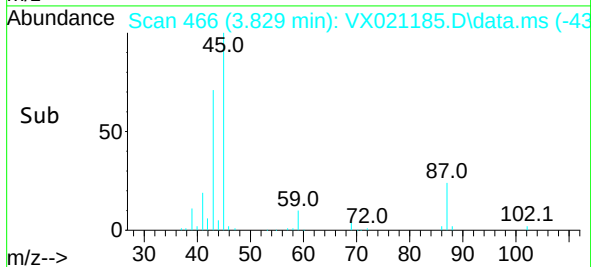
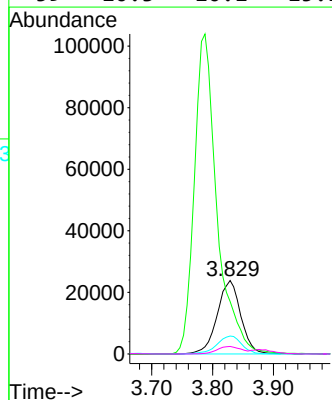
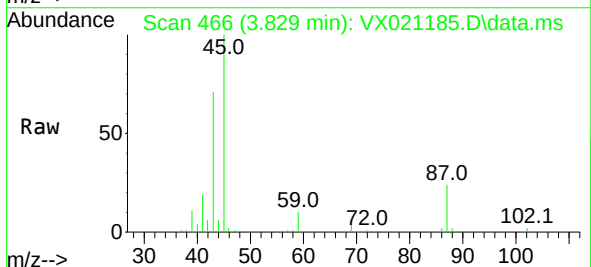
Manual Integrations  
APPROVED

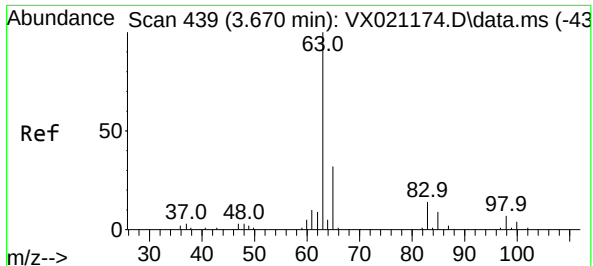
MMDadoda  
3/15/2021 3:18:54 PM



#20  
Diisopropyl ether  
Concen: 18.90 ug/l  
RT: 3.829 min Scan# 466  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 64087 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 70.0  | 56.0  | 84.0  |
| 87       | 24.4  | 25.4  | 38.0# |
| 59       | 10.3  | 10.1  | 15.1  |





#21

1,1-Dichloroethane

Concen: 18.42 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 33312 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 98        | 6.1   | 3.9   | 11.7  |
| 100       | 3.6   | 2.5   | 7.4   |

Instrument :

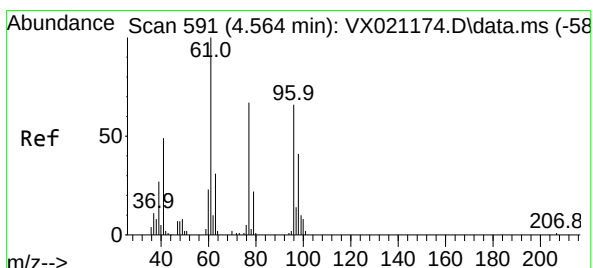
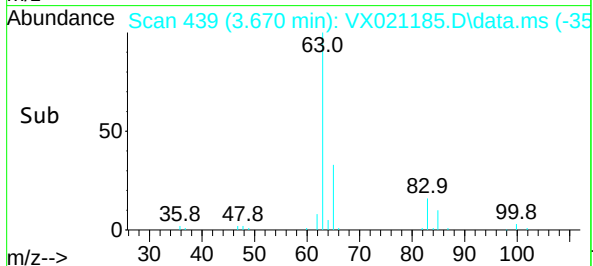
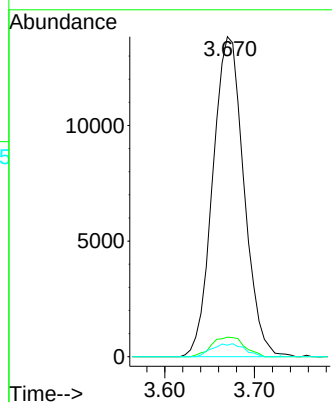
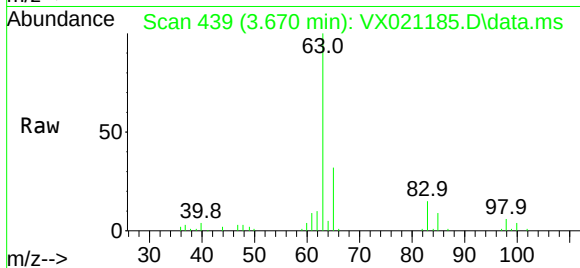
MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#22

cis-1,2-Dichloroethene

Concen: 18.70 ug/l

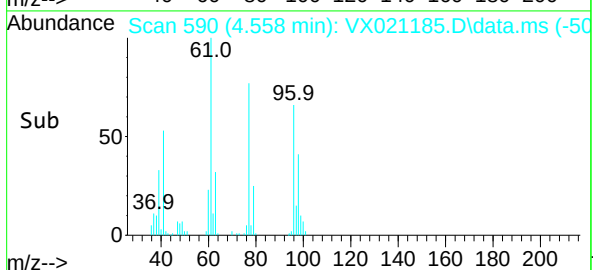
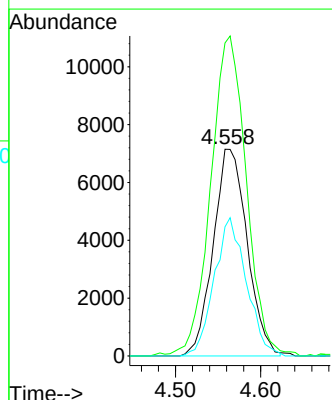
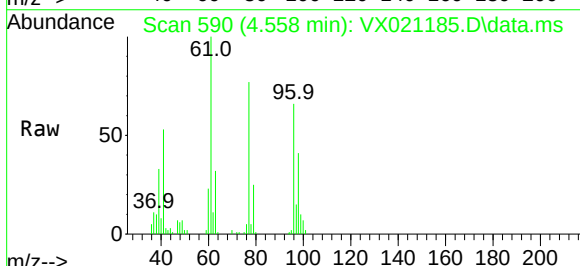
RT: 4.558 min Scan# 590

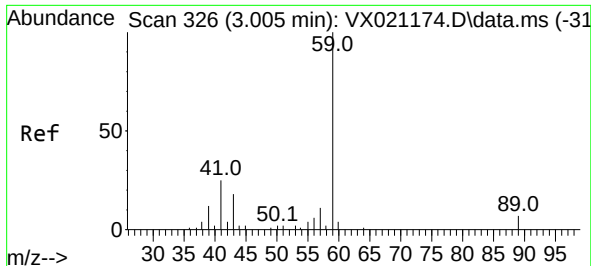
Delta R.T. -0.006 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 19786 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 161.4 | 114.1 | 171.1 |
| 98        | 63.3  | 51.8  | 77.8  |





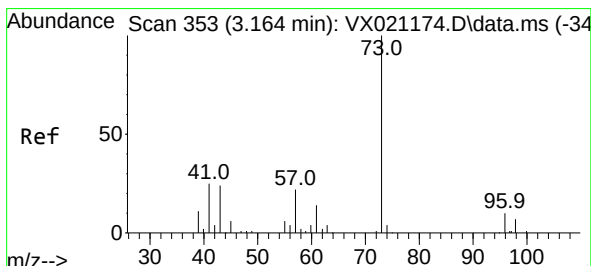
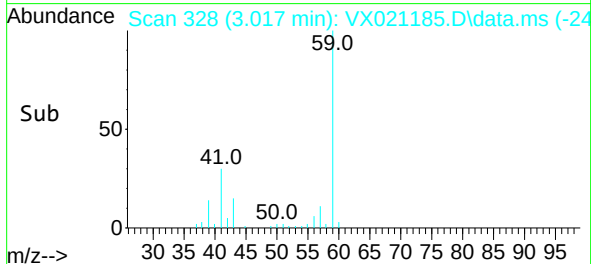
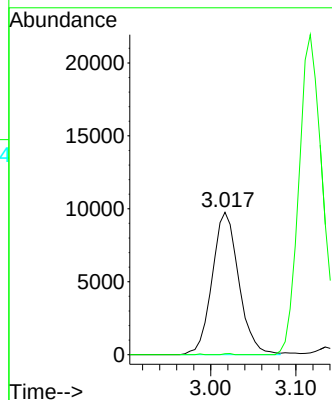
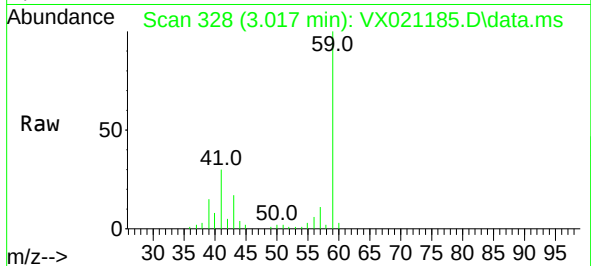
#23  
tert-Butyl Alcohol  
Concen: 91.59 ug/l  
RT: 3.017 min Scan# 328  
Delta R.T. 0.012 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 59 Resp: 21166  
Ion Ratio Lower Upper  
59 100  
52 0.2 0.1 0.1#

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

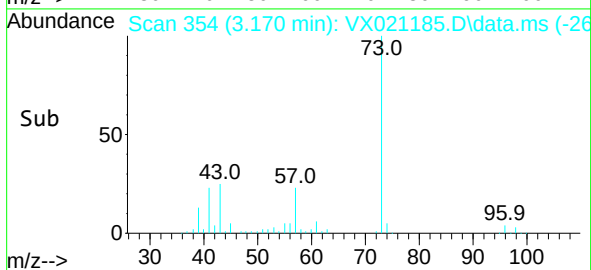
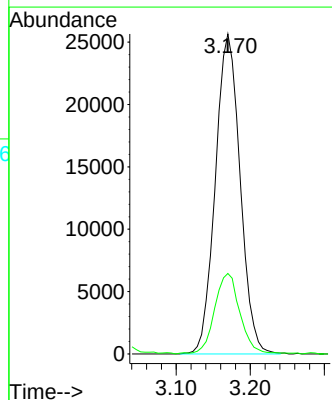
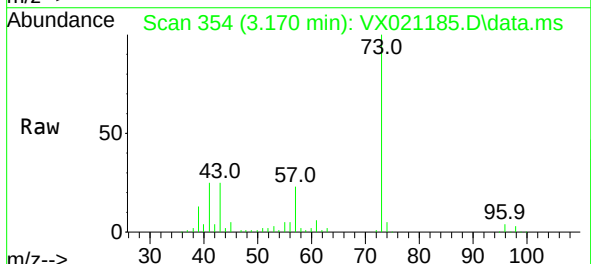
Manual Integrations  
APPROVED

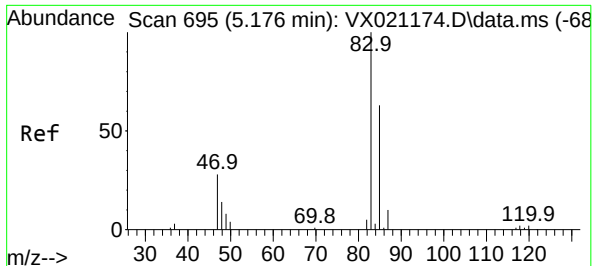
MMDadoda  
3/15/2021 3:18:54 PM



#24  
Methyl tert-Butyl Ether  
Concen: 19.02 ug/l  
RT: 3.170 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 73 Resp: 59530  
Ion Ratio Lower Upper  
73 100  
43 25.6 14.9 22.3#





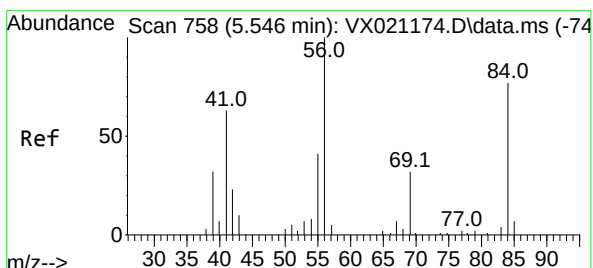
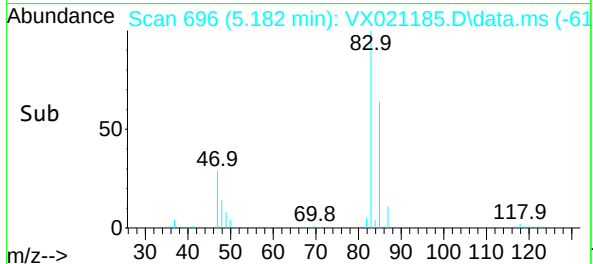
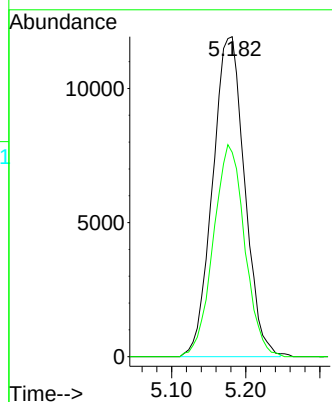
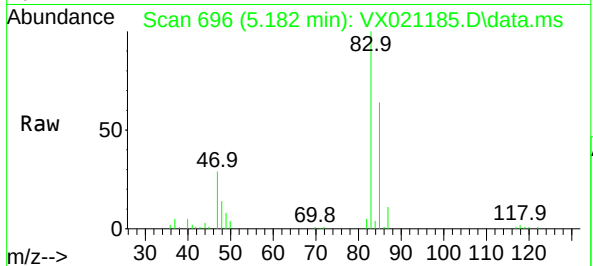
#25  
Chloroform  
Concen: 18.99 ug/l  
RT: 5.182 min Scan# 696  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 35788  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.2 76.8

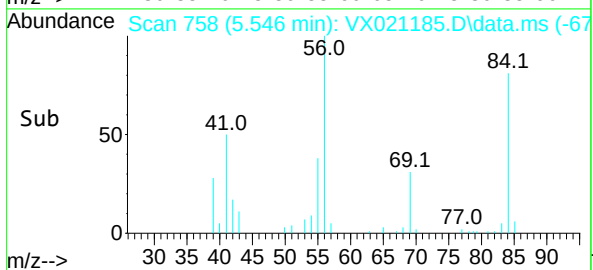
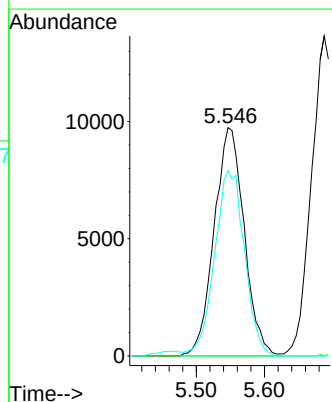
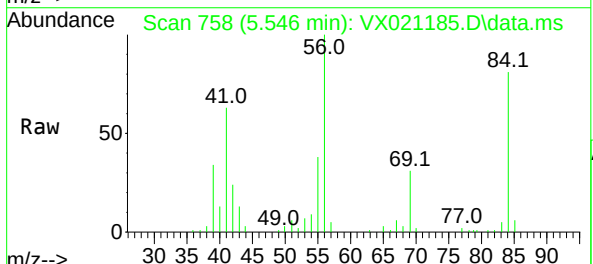
Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM

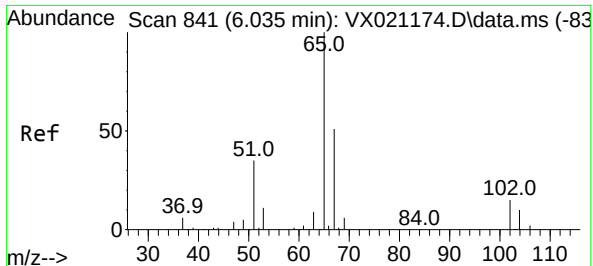


#26  
Cyclohexane  
Concen: 18.59 ug/l  
RT: 5.546 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 56 Resp: 29839  
Ion Ratio Lower Upper  
56 100  
89 0.1 0.0 0.0#  
84 48.1 74.1 111.1#







#27

1,2-Dichloroethane-d4

Concen: 30.36 ug/l

RT: 6.035 min Scan# 841

Delta R.T. -0.000 min

Lab File: VX021185.D

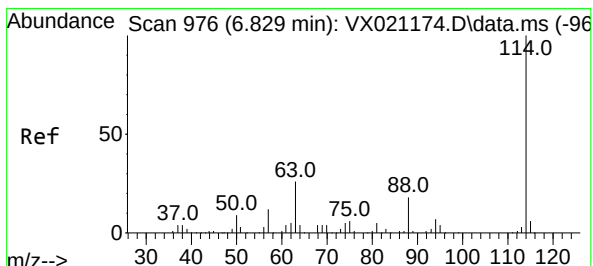
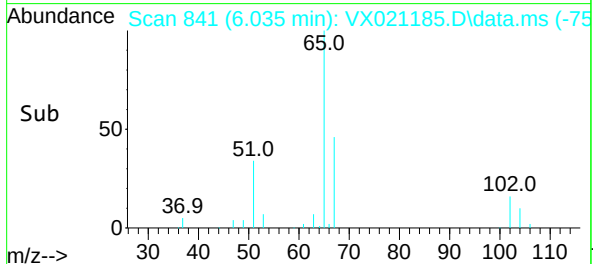
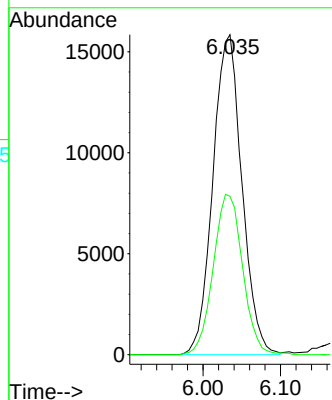
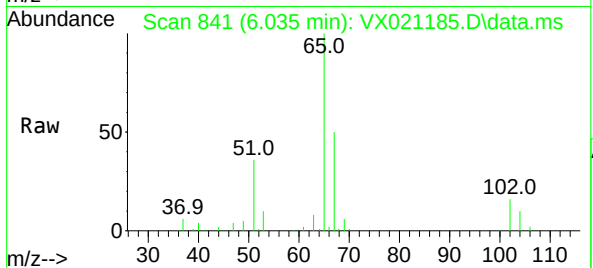
Acq: 12 Mar 2021 16:56

Tgt Ion: 65 Resp: 41333

Ion Ratio Lower Upper

65 100

67 50.5 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

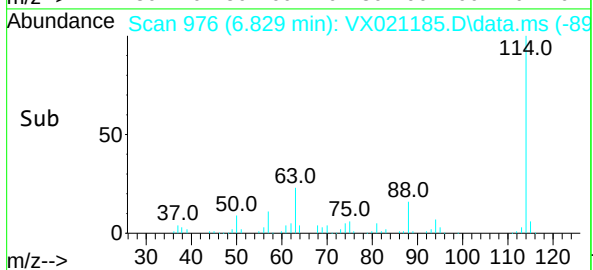
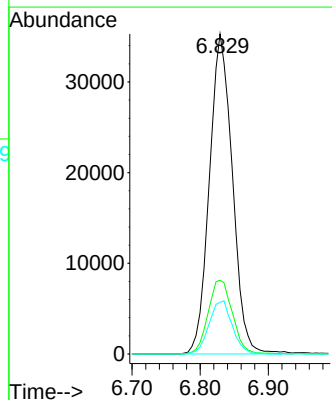
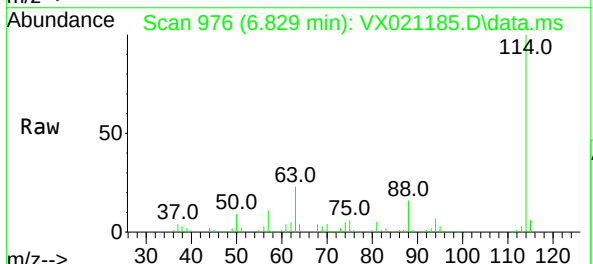
Tgt Ion: 114 Resp: 82817

Ion Ratio Lower Upper

114 100

63 24.3 16.2 24.2#

88 16.7 13.0 19.6



Instrument :

MSVOA\_X

ClientSampleId :

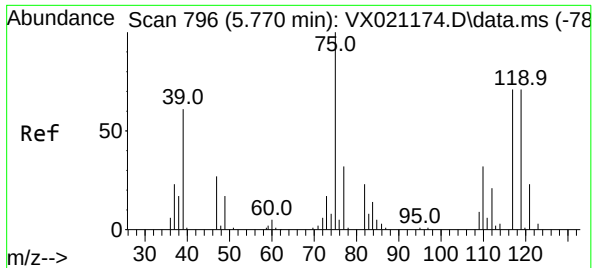
VSTDCCC020EC

Manual Integrations

APPROVED

MMDadoda

3/15/2021 3:18:54 PM



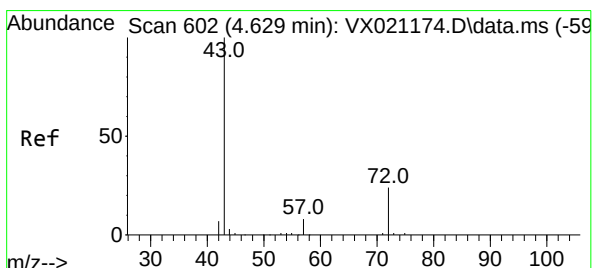
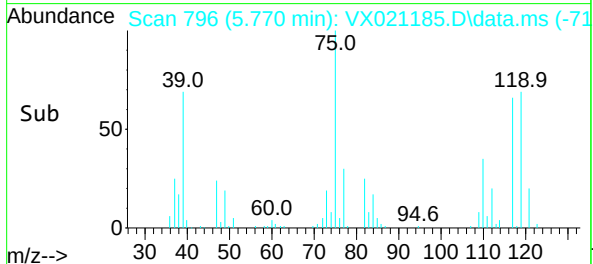
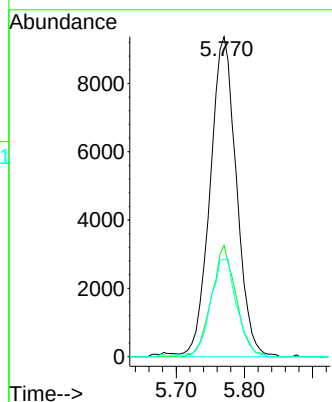
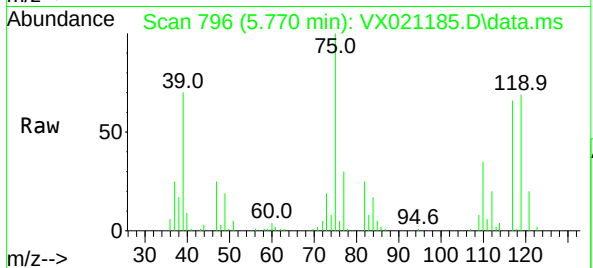
#29  
1,1-Dichloropropene  
Concen: 18.21 ug/l  
RT: 5.770 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 25142 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 32.5    | 0.0 72.4    |
| 77 30.6     | 0.0 62.4    |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

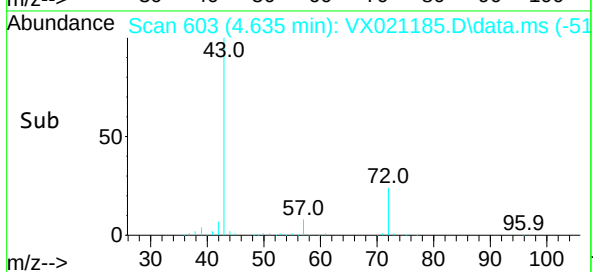
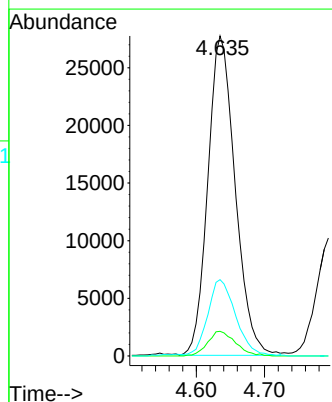
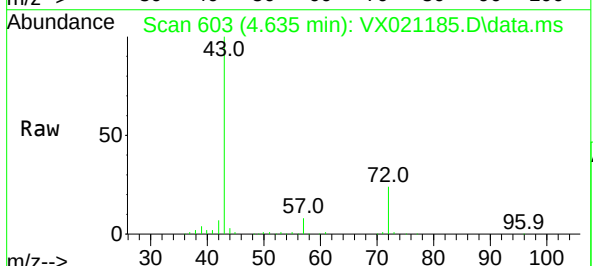
Manual Integrations  
APPROVED

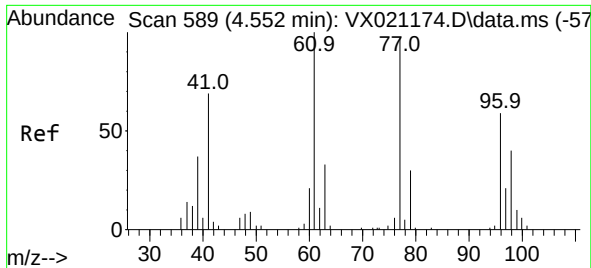
MMDadoda  
3/15/2021 3:18:54 PM



#30  
2-Butanone  
Concen: 100.22 ug/l  
RT: 4.635 min Scan# 603  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 77323 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 57 7.9      | 7.2 10.8    |
| 72 24.5     | 23.7 35.5   |





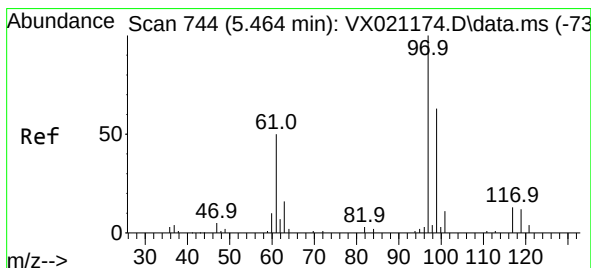
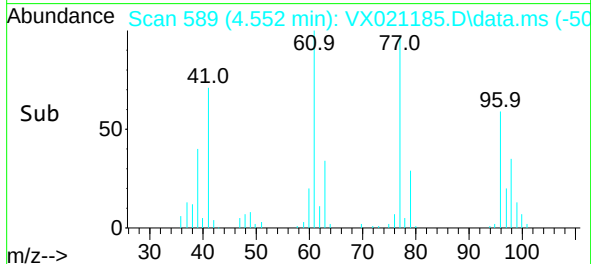
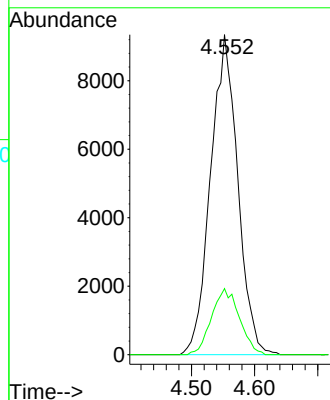
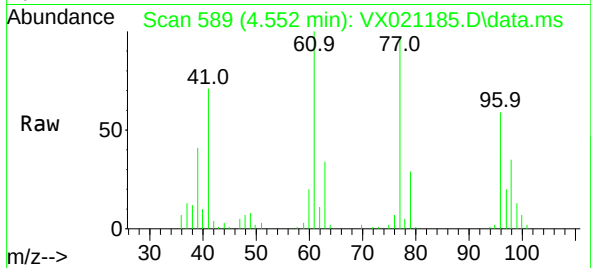
#31  
2,2-Dichloropropane  
Concen: 18.01 ug/l  
RT: 4.552 min Scan# 589  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 77 Resp: 27918  
Ion Ratio Lower Upper  
77 100  
97 21.2 18.6 28.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

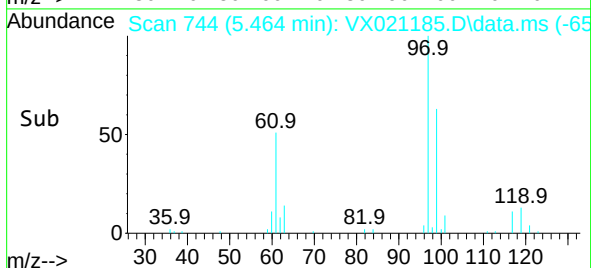
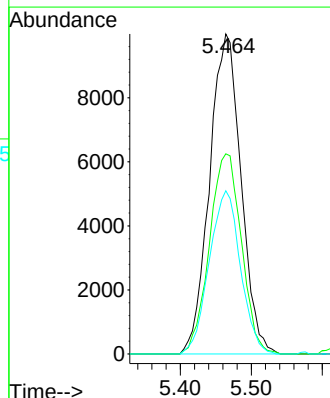
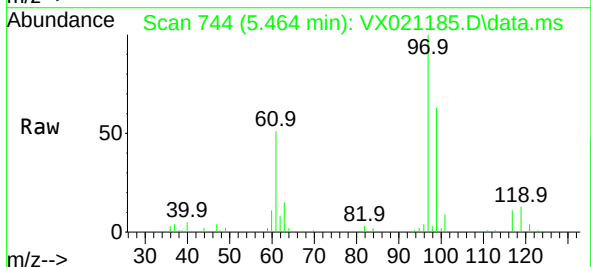
Manual Integrations  
APPROVED

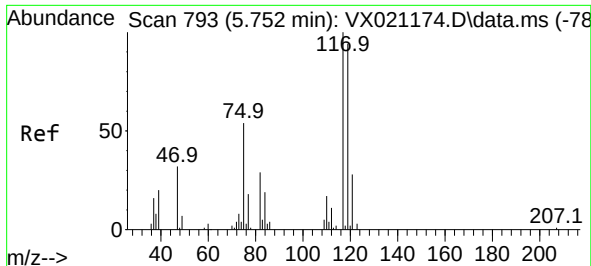
MMDadoda  
3/15/2021 3:18:54 PM



#32  
1,1,1-Trichloroethane  
Concen: 18.24 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

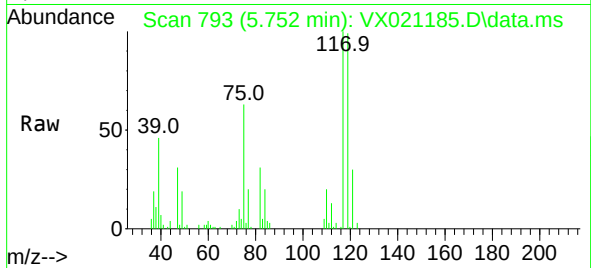
Tgt Ion: 97 Resp: 30722  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.7 77.5  
61 50.6 34.3 51.5





#33  
Carbon Tetrachloride  
Concen: 18.06 ug/l  
RT: 5.752 min Scan# 793  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

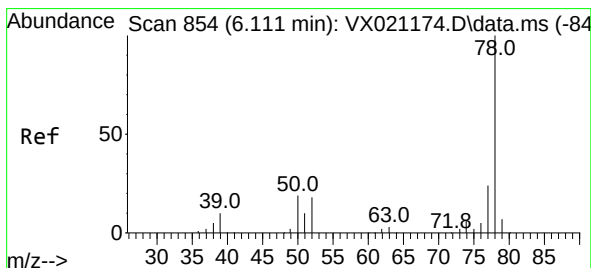
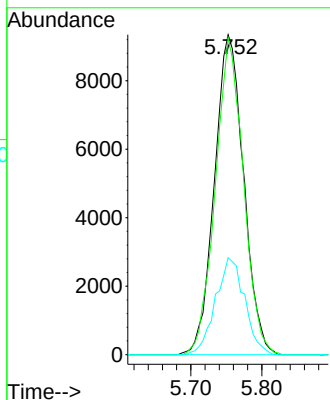
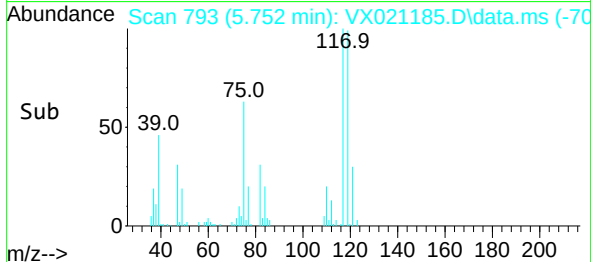
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



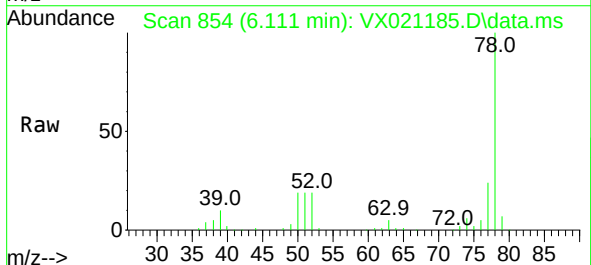
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.0  | 76.1  | 114.1 |
| 121     | 30.3  | 24.1  | 36.1  |

Manual Integrations  
APPROVED

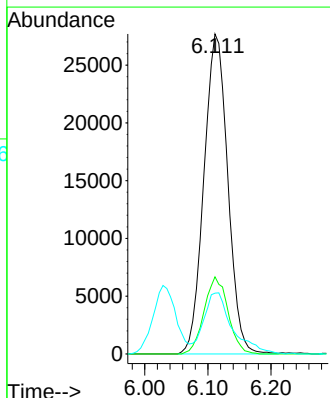
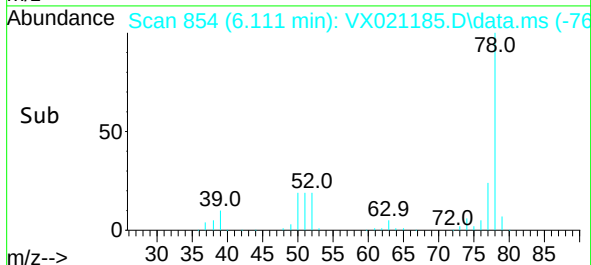
MMDadoda  
3/15/2021 3:18:54 PM

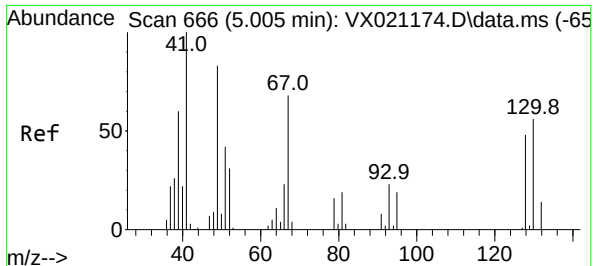


#34  
Benzene  
Concen: 18.39 ug/l  
RT: 6.111 min Scan# 854  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 19.0  | 28.4  |
| 51      | 18.8  | 12.5  | 18.7  |





#35

Methacrylonitrile

Concen: 19.00 ug/l

RT: 4.999 min Scan# 665

Delta R.T. -0.006 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

Tgt Ion: 41 Resp: 16667

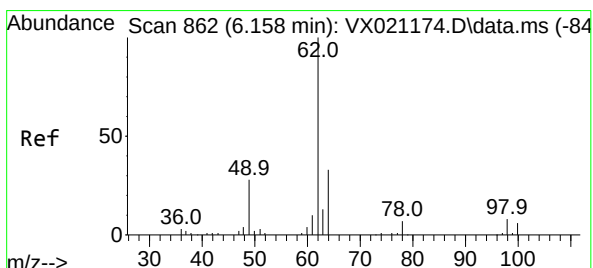
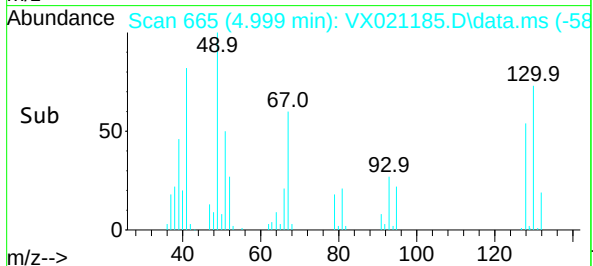
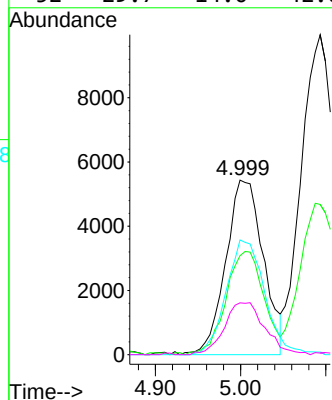
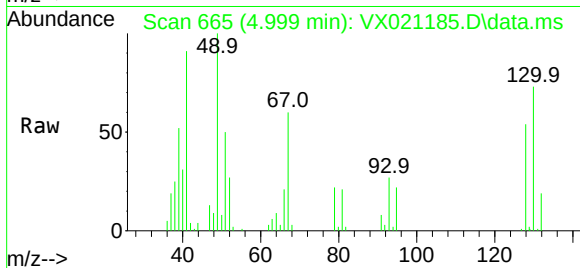
Ion Ratio Lower Upper

41 100

39 55.5 26.8 80.3

67 65.7 39.1 117.2

52 29.7 14.0 42.0



#36

1,2-Dichloroethane

Concen: 18.46 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX021185.D

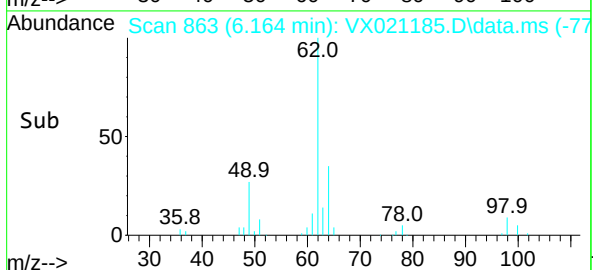
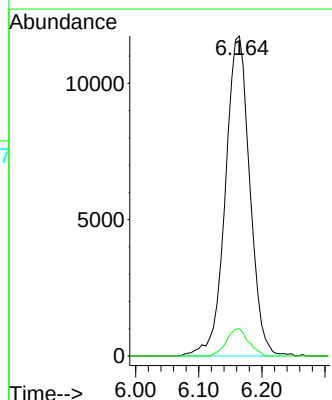
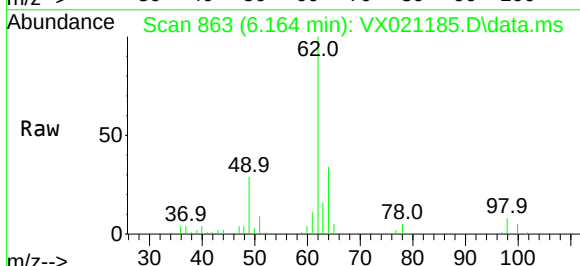
Acq: 12 Mar 2021 16:56

Tgt Ion: 62 Resp: 31510

Ion Ratio Lower Upper

62 100

98 7.7 8.1 12.1#



Instrument :

MSVOA\_X

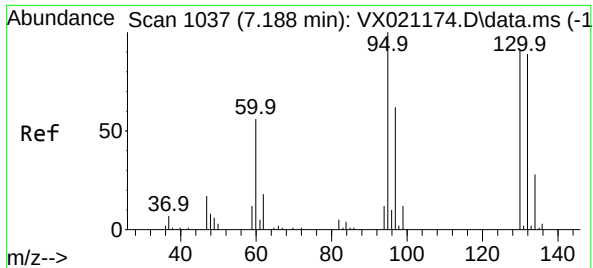
ClientSampleId :

VSTDCCC020EC

Manual Integrations

APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



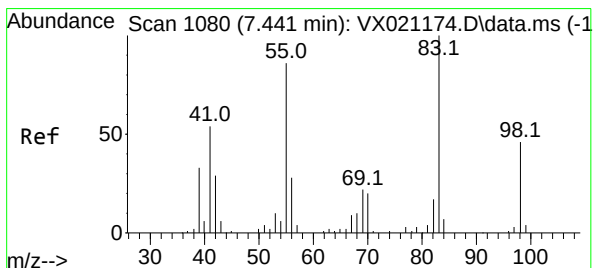
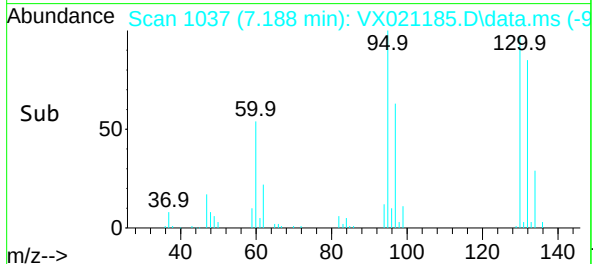
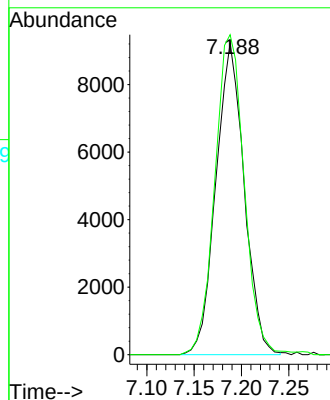
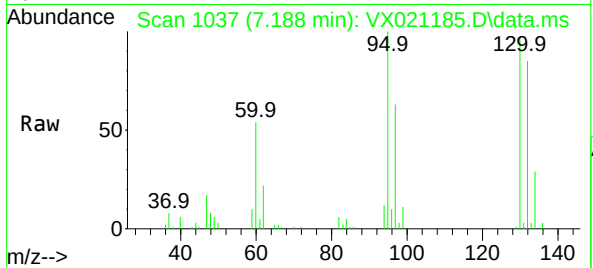
#37  
Trichloroethene  
Concen: 18.49 ug/l  
RT: 7.188 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:130 Resp: 19162  
Ion Ratio Lower Upper  
130 100  
95 102.6 80.2 120.4

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

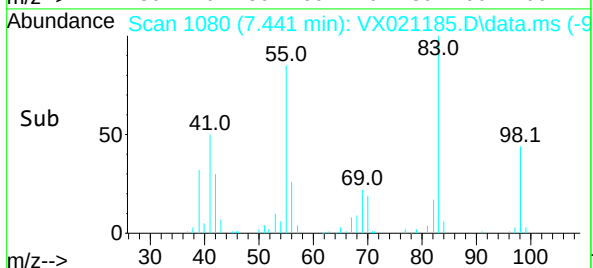
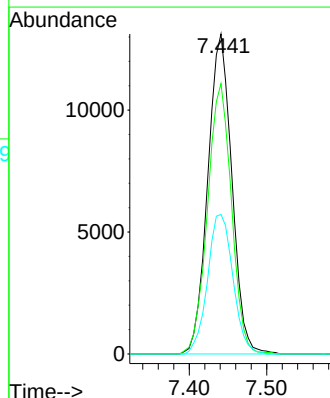
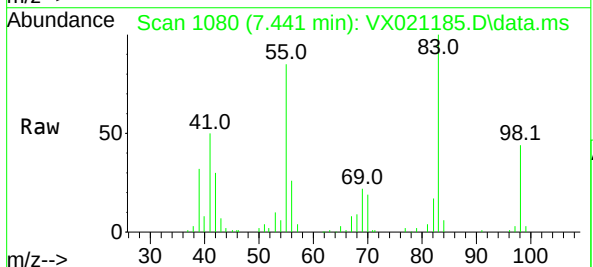
Manual Integrations  
APPROVED

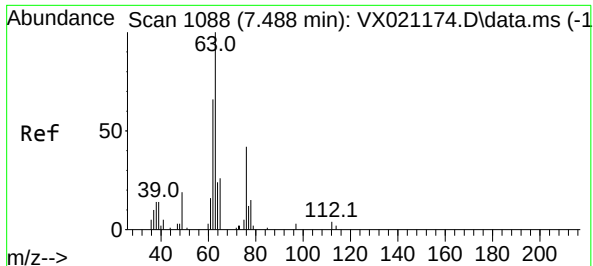
MMDadoda  
3/15/2021 3:18:54 PM



#38  
Methylcyclohexane  
Concen: 18.14 ug/l  
RT: 7.441 min Scan# 1080  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 83 Resp: 28308  
Ion Ratio Lower Upper  
83 100  
55 84.1 37.4 112.1  
98 46.0 24.7 74.1





#39

1,2-Dichloropropane

Concen: 17.99 ug/l

RT: 7.488 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VX021185.D

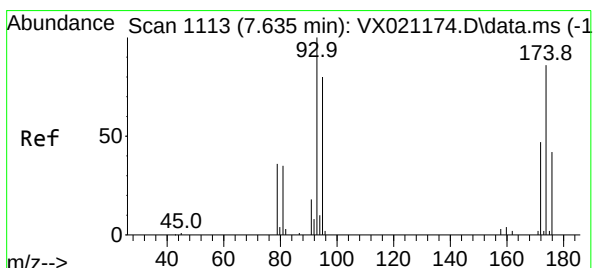
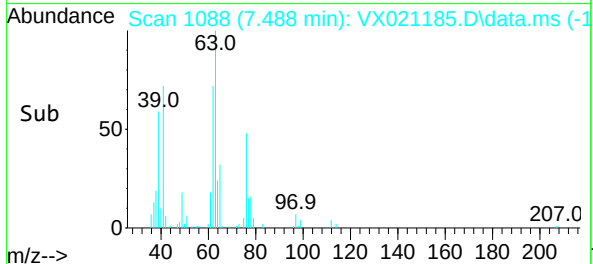
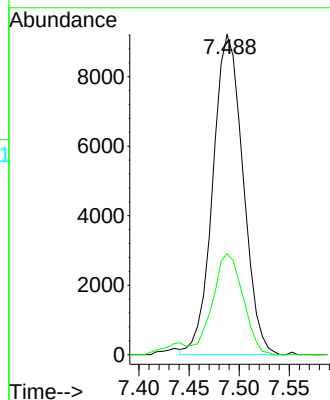
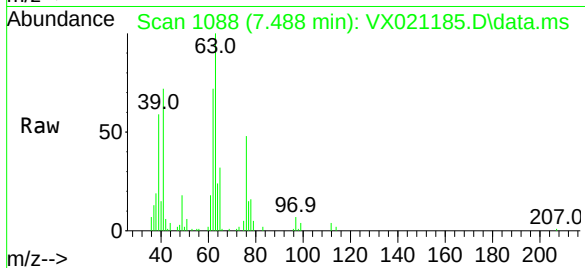
Acq: 12 Mar 2021 16:56

Tgt Ion: 63 Resp: 19293

Ion Ratio Lower Upper

63 100

65 31.6 25.6 38.4



#40

Dibromomethane

Concen: 18.05 ug/l

RT: 7.635 min Scan# 1113

Delta R.T. 0.000 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

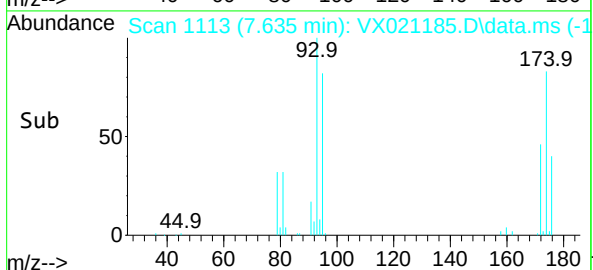
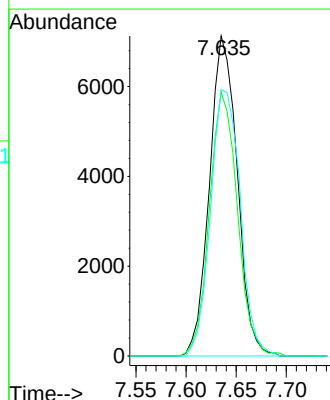
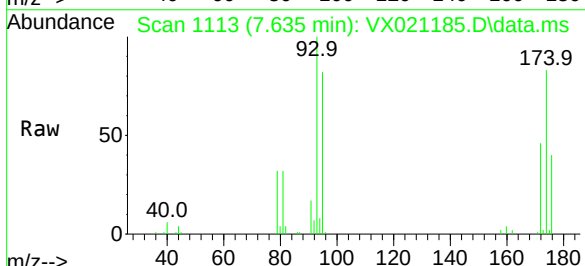
Tgt Ion: 93 Resp: 13715

Ion Ratio Lower Upper

93 100

95 82.9 0.0 167.4

174 88.8 0.0 211.8



Instrument :

MSVOA\_X

ClientSampleId :

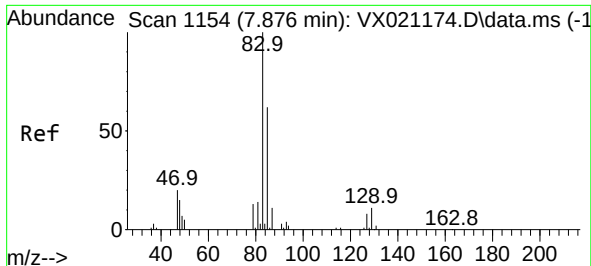
VSTDCCC020EC

Manual Integrations

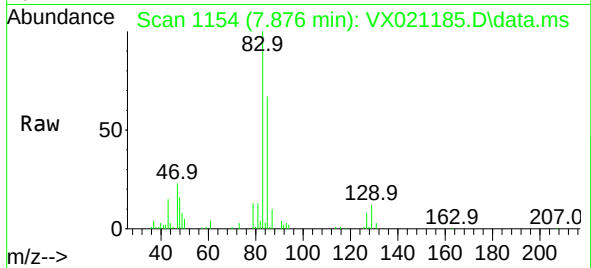
APPROVED

MMDadoda

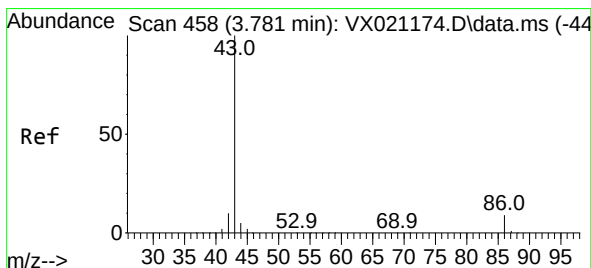
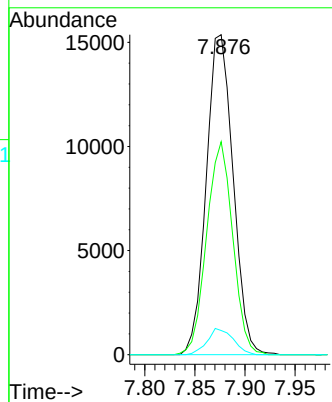
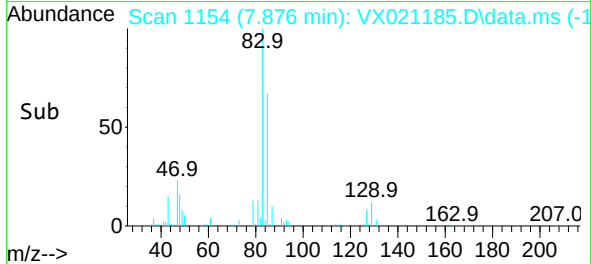
3/15/2021 3:18:54 PM



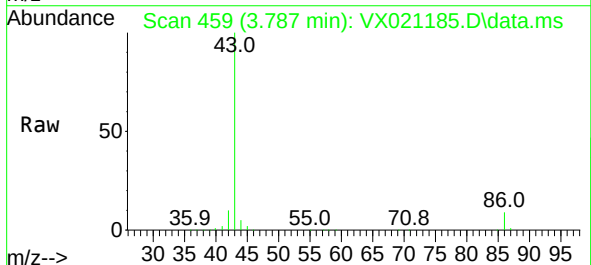
#41  
Bromodichloromethane  
Concen: 18.05 ug/l  
RT: 7.876 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



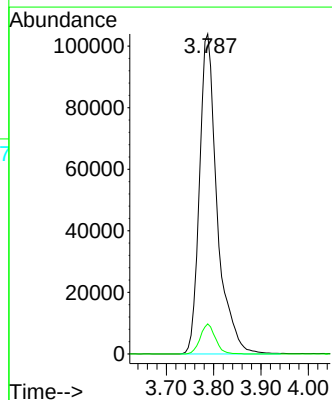
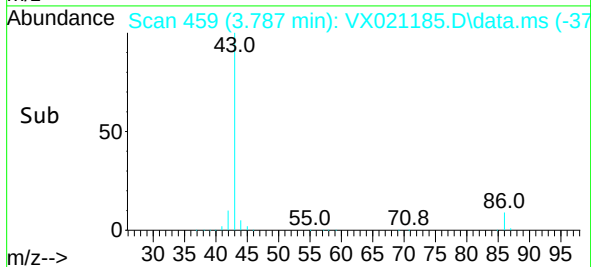
Tgt Ion: 83 Resp: 28674  
Ion Ratio Lower Upper  
83 100  
85 66.5 51.4 77.0  
127 7.6 7.1 10.7



#42  
Vinyl Acetate  
Concen: 92.36 ug/l  
RT: 3.787 min Scan# 459  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



Tgt Ion: 43 Resp: 269604  
Ion Ratio Lower Upper  
43 100  
86 8.0 9.0 13.4#

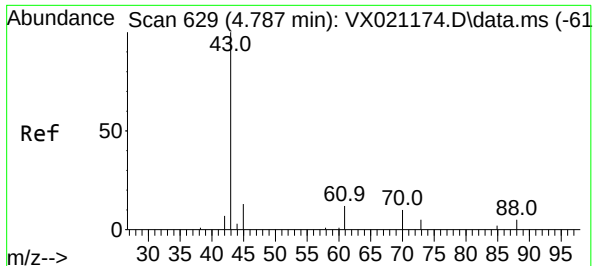


Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM





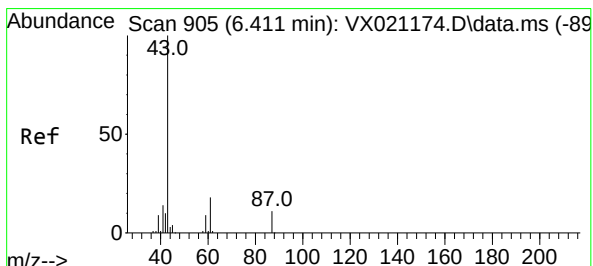
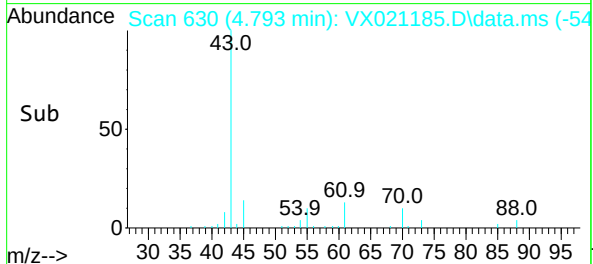
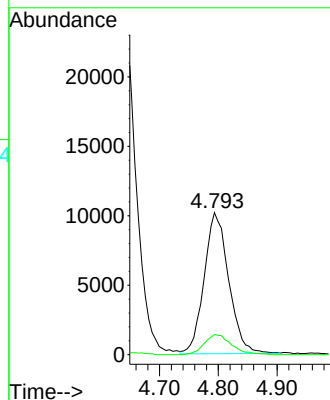
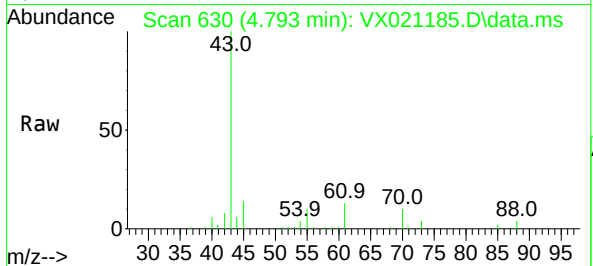
#43  
Ethyl Acetate  
Concen: 19.19 ug/l  
RT: 4.793 min Scan# 630  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 15.8  | 12.2  | 18.4  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

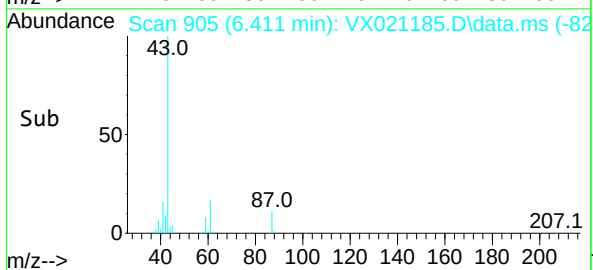
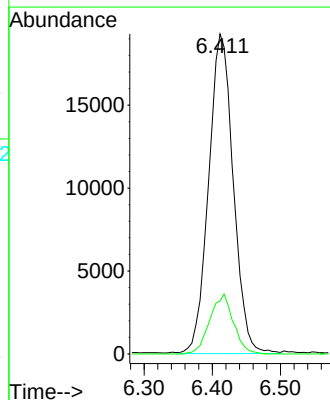
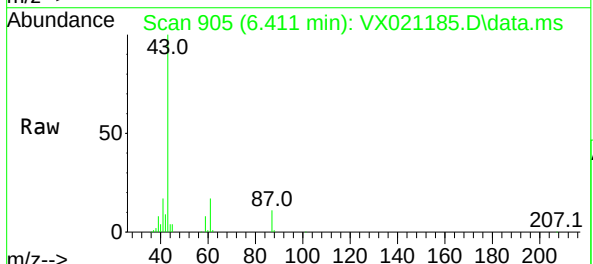
Manual Integrations  
APPROVED

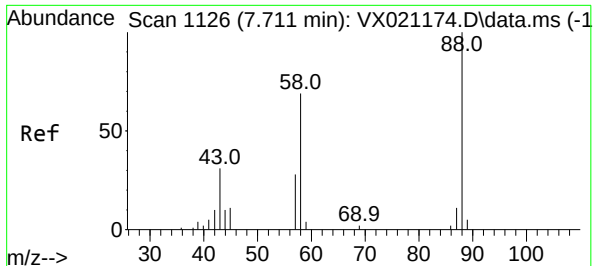
MMDadoda  
3/15/2021 3:18:54 PM



#44  
Isopropyl Acetate  
Concen: 18.94 ug/l  
RT: 6.411 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.9  | 18.1  | 27.1# |





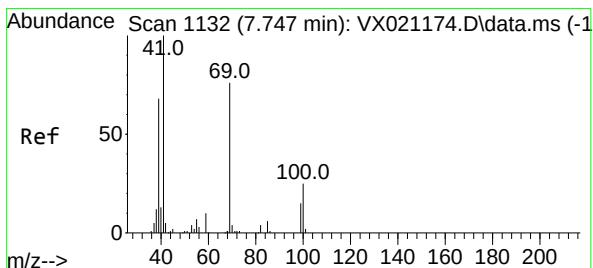
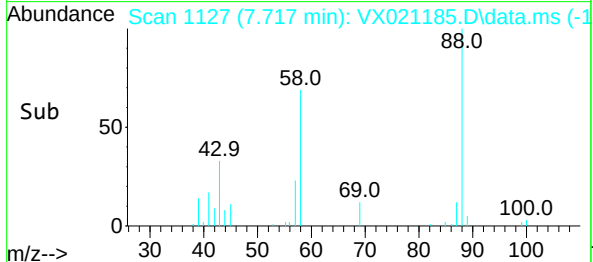
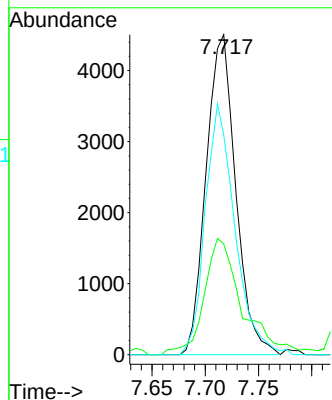
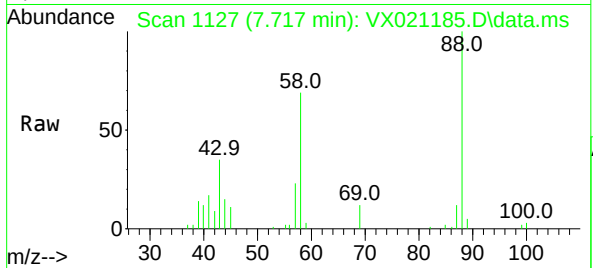
#45  
1,4-Dioxane  
Concen: 364.90 ug/l  
RT: 7.717 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 88 Resp: 8721  
Ion Ratio Lower Upper  
88 100  
43 39.2 22.2 33.2#  
58 78.3 53.9 80.9

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

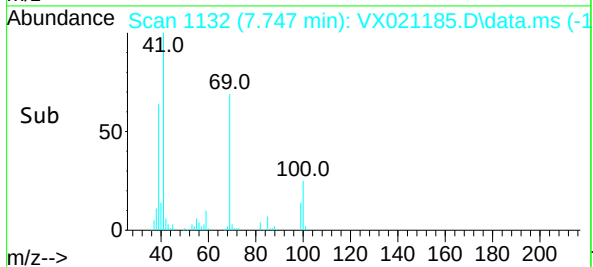
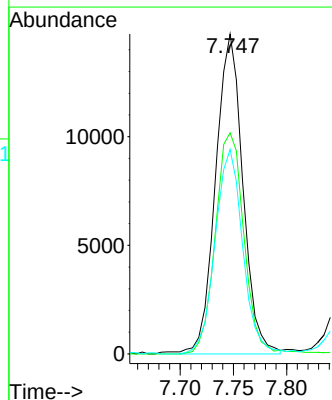
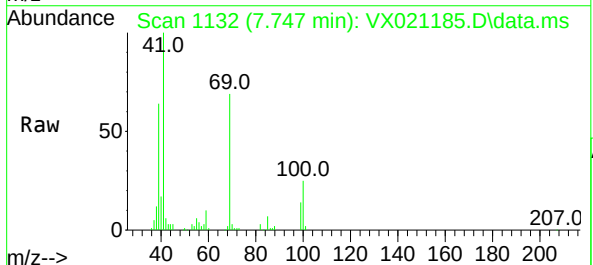
Manual Integrations  
APPROVED

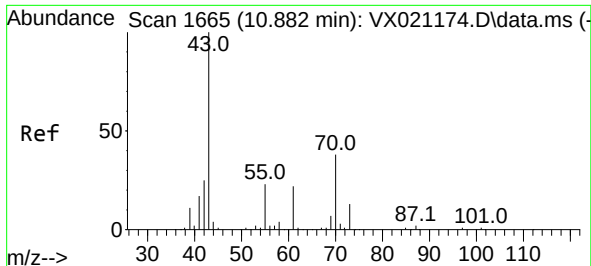
MMDadoda  
3/15/2021 3:18:54 PM



#46  
Methyl methacrylate  
Concen: 19.01 ug/l  
RT: 7.747 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 41 Resp: 26135  
Ion Ratio Lower Upper  
41 100  
69 69.5 46.9 140.6  
39 64.3 28.0 83.9





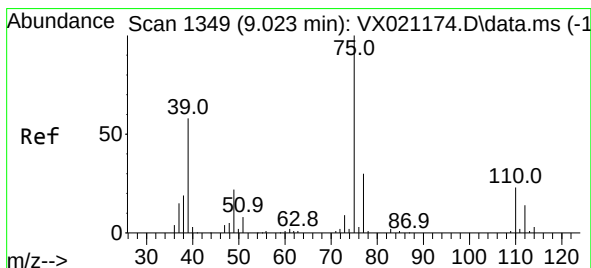
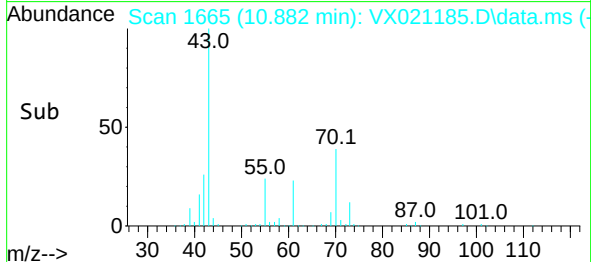
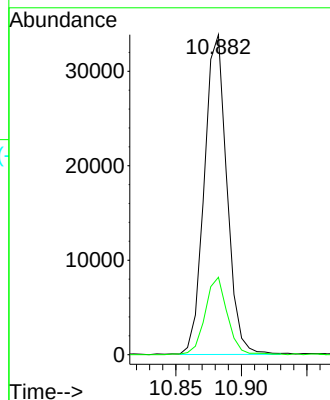
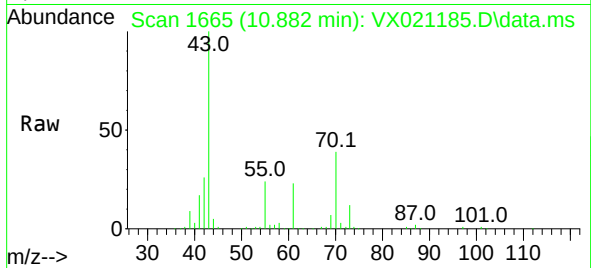
#47  
n-amy1 Acetate  
Concen: 18.14 ug/l  
RT: 10.882 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 43 Resp: 40597  
Ion Ratio Lower Upper  
43 100  
55 23.6 21.8 32.6

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

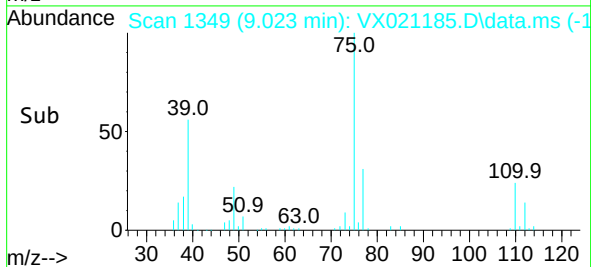
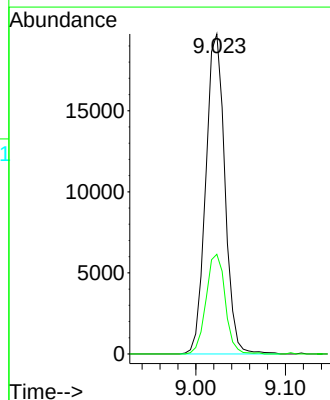
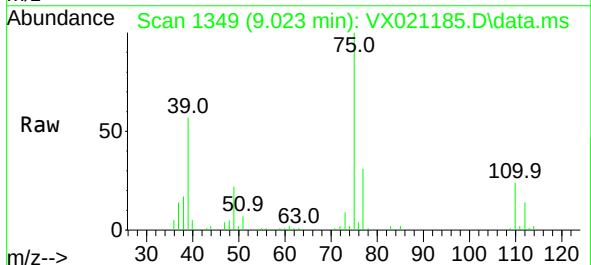
Manual Integrations  
APPROVED

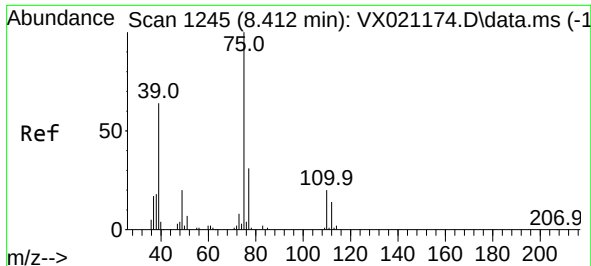
MMDadoda  
3/15/2021 3:18:54 PM



#48  
t-1,3-Dichloropropene  
Concen: 17.84 ug/l  
RT: 9.023 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 75 Resp: 29136  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.0 37.6





#49

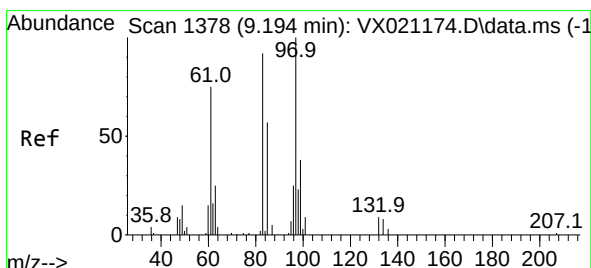
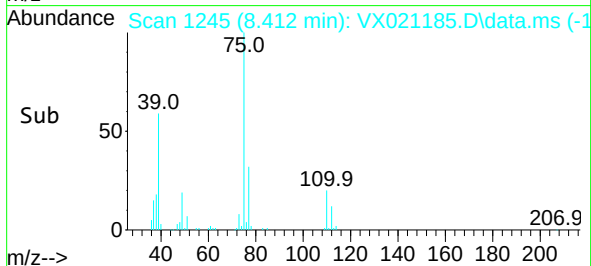
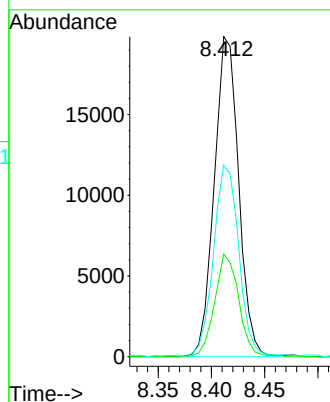
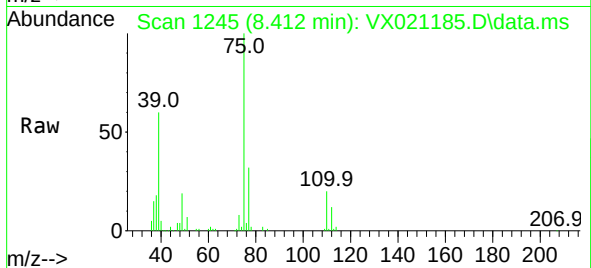
cis-1,3-Dichloropropene  
Concen: 18.15 ug/l  
RT: 8.412 min Scan# 1245  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 31559 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.1  | 24.4  | 36.6  |
| 39       | 59.4  | 35.4  | 53.0# |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

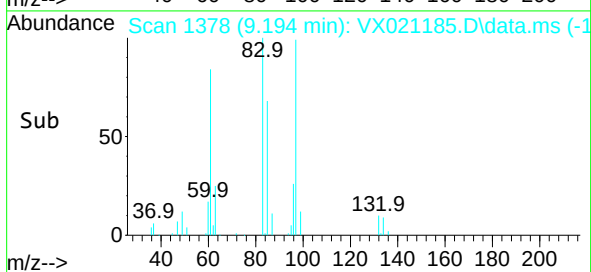
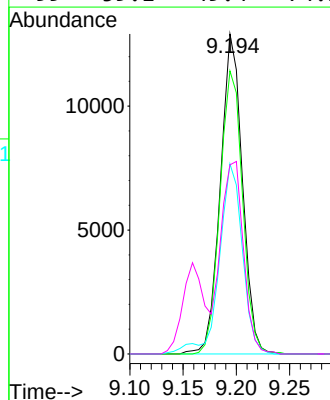
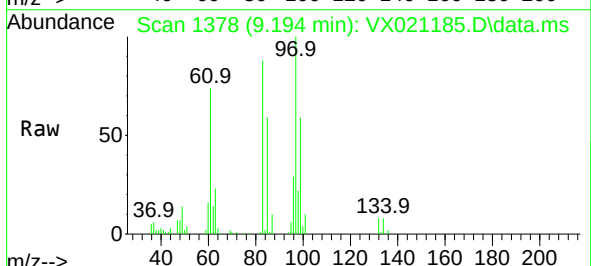
MMDadoda  
3/15/2021 3:18:54 PM

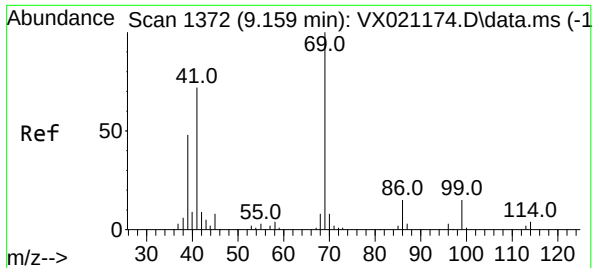


#50

1,1,2-Trichloroethane  
Concen: 18.26 ug/l  
RT: 9.194 min Scan# 1378  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 18549 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.5  | 68.5  | 102.7 |
| 85       | 59.4  | 43.8  | 65.6  |
| 99       | 59.1  | 49.4  | 74.2  |





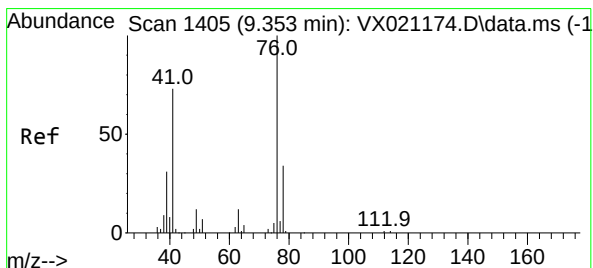
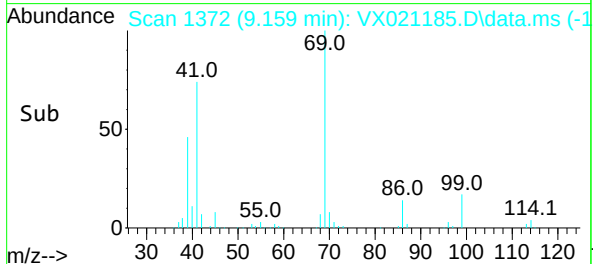
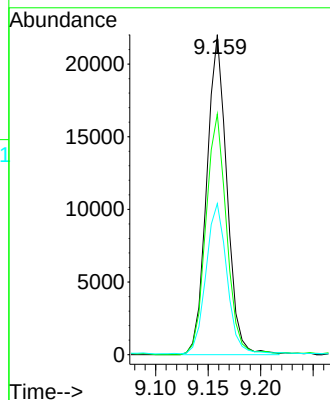
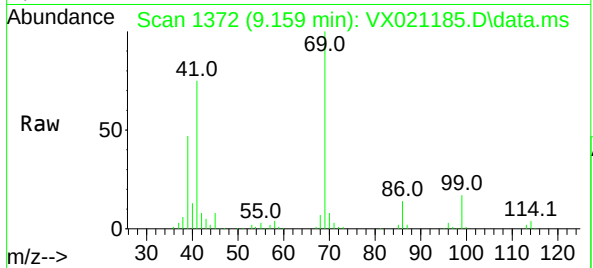
#51  
Ethyl methacrylate  
Concen: 18.27 ug/l m  
RT: 9.159 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 75.2  | 29.1  | 87.4  |
| 39      | 47.2  | 15.4  | 46.1  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

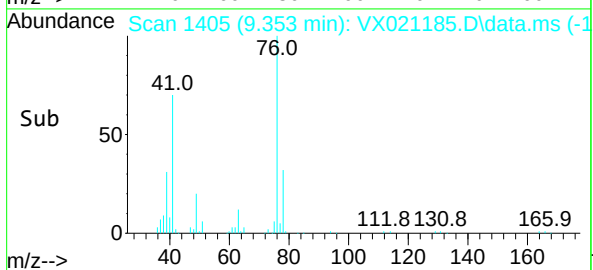
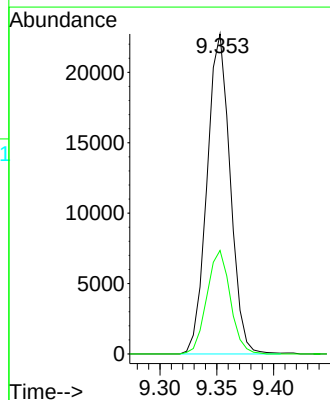
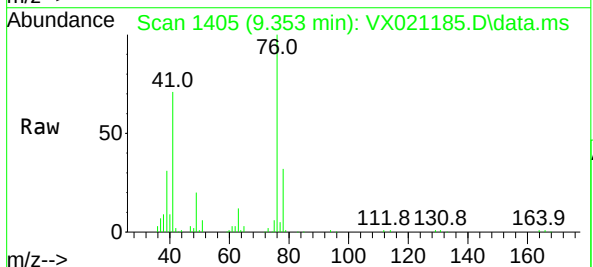
Manual Integrations  
APPROVED

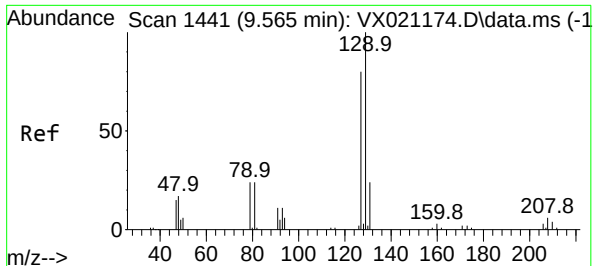
MMDadoda  
3/15/2021 3:18:54 PM



#52  
1,3-Dichloropropane  
Concen: 18.29 ug/l  
RT: 9.353 min Scan# 1405  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.7  | 0.0   | 66.0  |





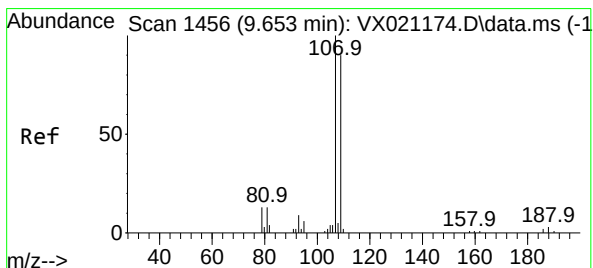
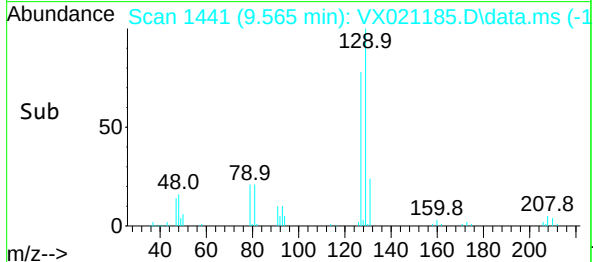
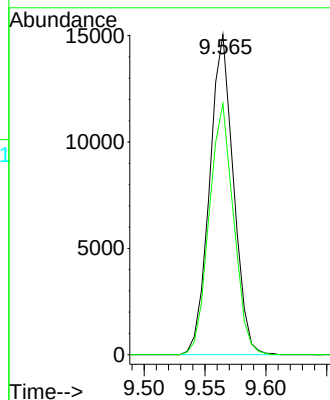
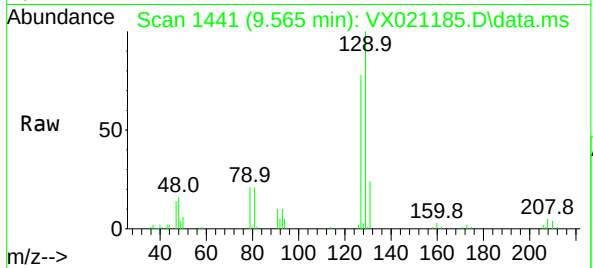
#53  
Dibromochloromethane  
Concen: 17.55 ug/l  
RT: 9.565 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:129 Resp: 20598  
Ion Ratio Lower Upper  
129 100  
127 79.7 38.4 115.2

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

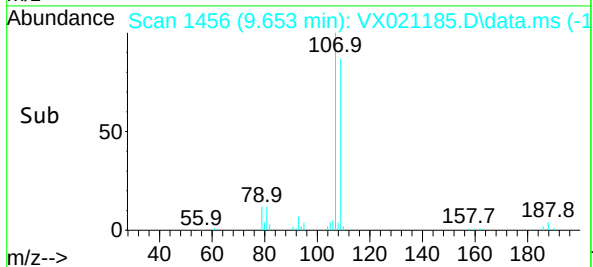
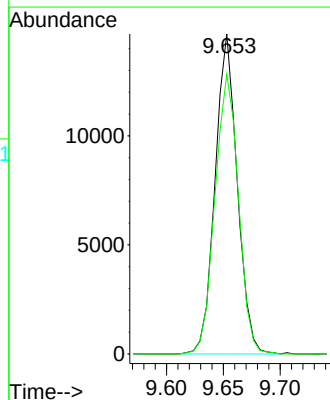
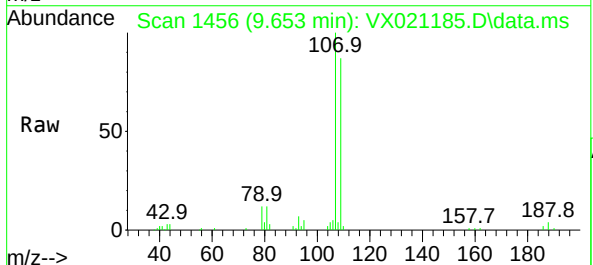
Manual Integrations  
APPROVED

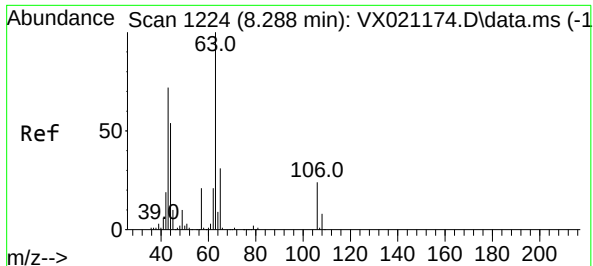
MMDadoda  
3/15/2021 3:18:54 PM



#54  
1,2-Dibromoethane  
Concen: 18.49 ug/l  
RT: 9.653 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:107 Resp: 19866  
Ion Ratio Lower Upper  
107 100  
109 92.8 73.6 110.4





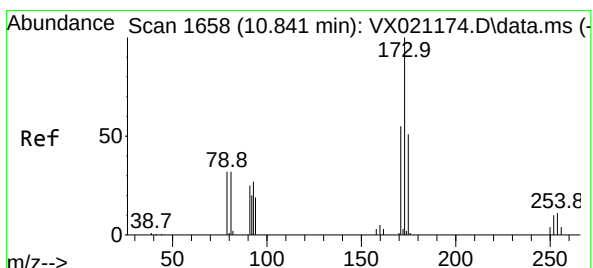
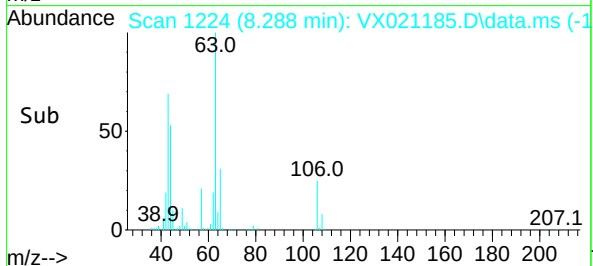
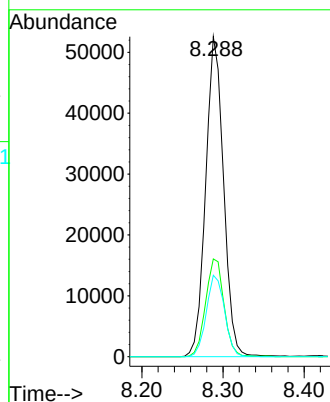
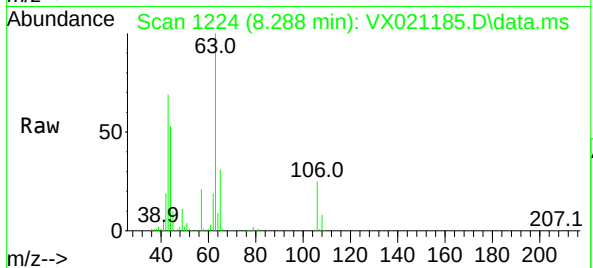
#55  
2-Chloroethyl vinyl ether  
Concen: 94.88 ug/l  
RT: 8.288 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 80349 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 31.4  | 25.9  | 38.9  |
| 106       | 26.0  | 23.9  | 35.9  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

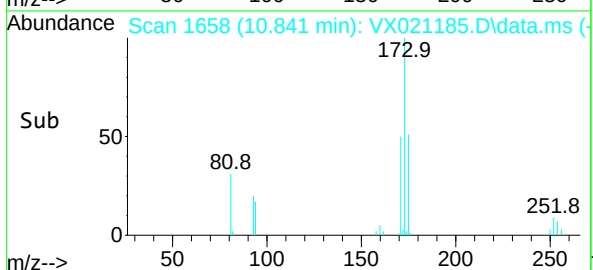
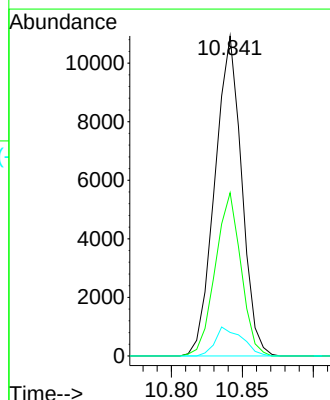
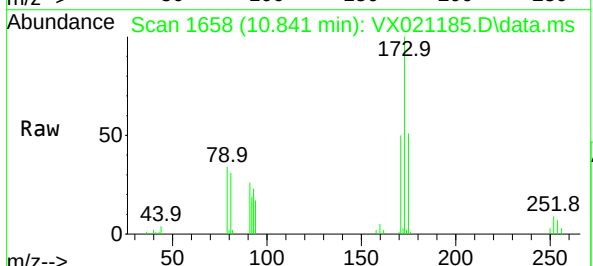
Manual Integrations  
APPROVED

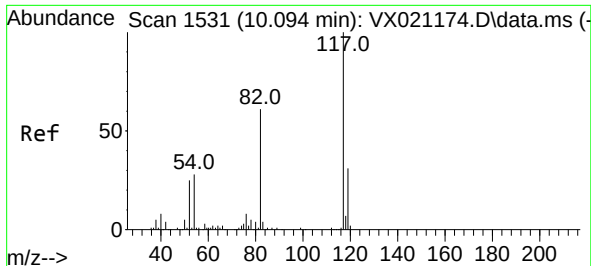
MMDadoda  
3/15/2021 3:18:54 PM



#56  
Bromoform  
Concen: 17.29 ug/l  
RT: 10.841 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

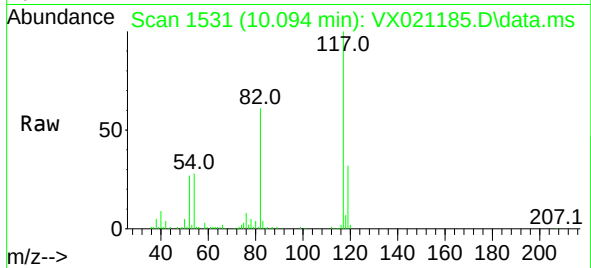
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 14335 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 38.1  | 57.1  |
| 254       | 9.1   | 8.2   | 12.4  |





#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

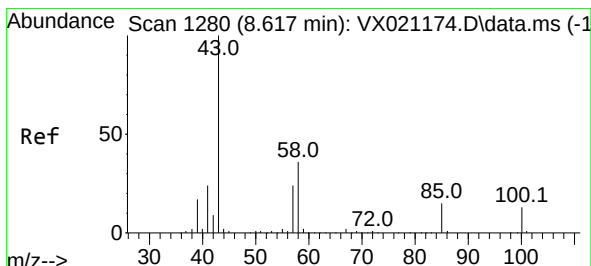
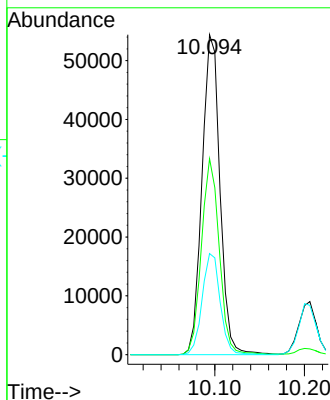
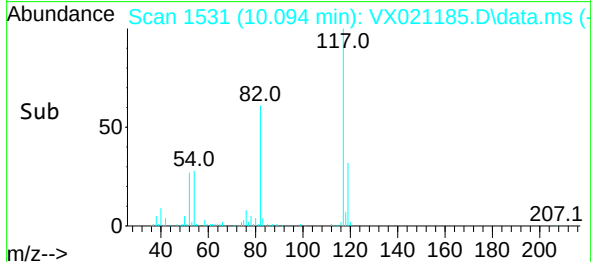
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



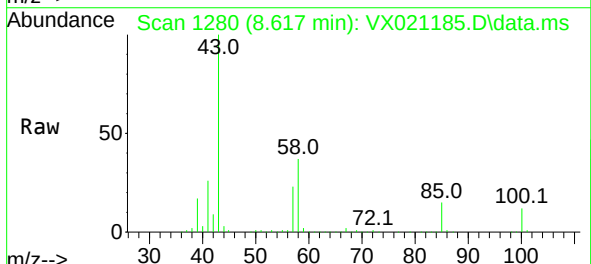
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 75604 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 60.9  | 45.0  | 67.6  |
| 119      | 31.8  | 25.6  | 38.4  |

Manual Integrations  
APPROVED

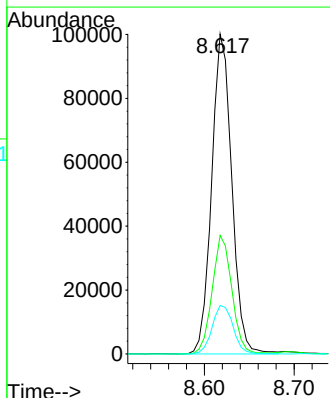
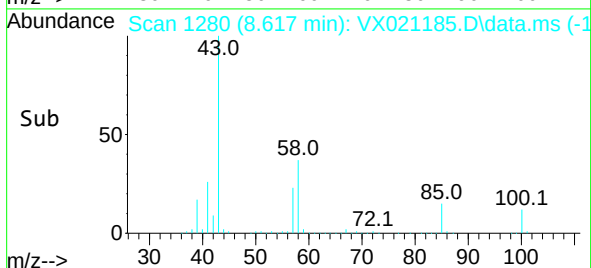
MMDadoda  
3/15/2021 3:18:54 PM



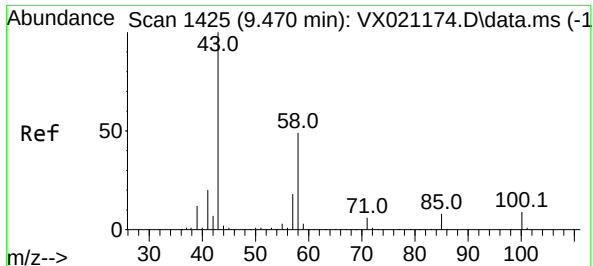
#58  
4-Methyl-2-Pentanone  
Concen: 102.01 ug/l  
RT: 8.617 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



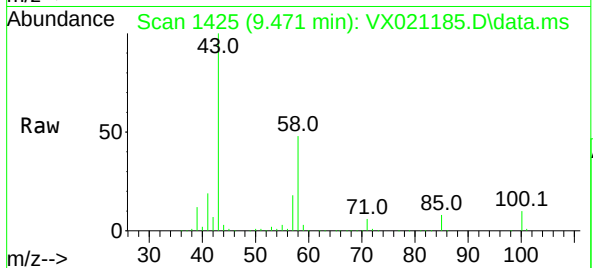
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 156151 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 36.2  | 35.2  | 52.8   |
| 85       | 15.8  | 16.8  | 25.2   |



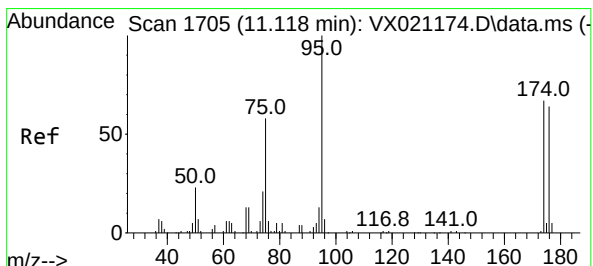
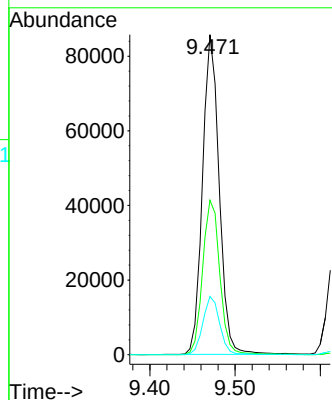
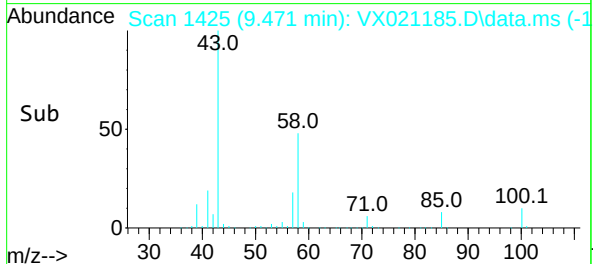




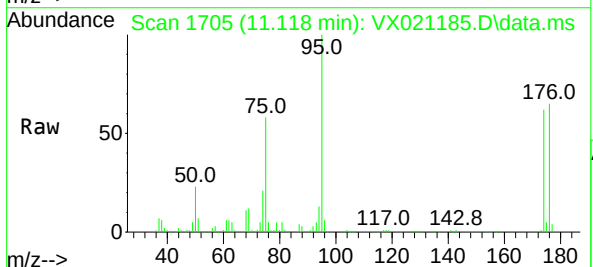
#59  
2-Hexanone  
Concen: 100.97 ug/l  
RT: 9.471 min Scan# 1425  
Delta R.T. 0.001 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



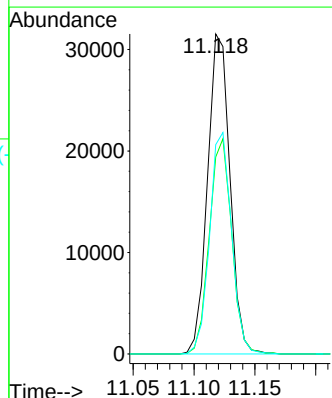
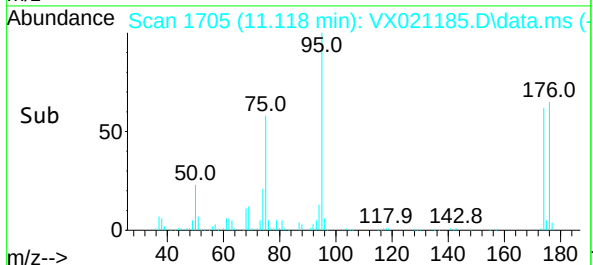
Tgt Ion: 43 Resp: 116480  
Ion Ratio Lower Upper  
43 100  
58 49.8 49.0 73.6  
57 18.4 17.1 25.7



#60  
4-Bromofluorobenzene  
Concen: 29.25 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



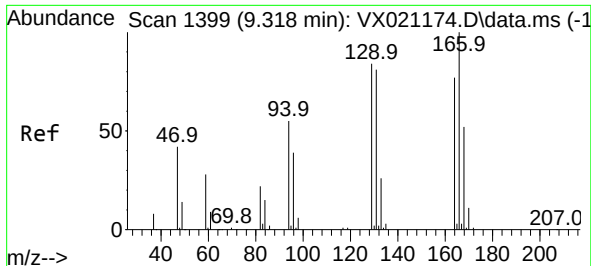
Tgt Ion: 95 Resp: 40437  
Ion Ratio Lower Upper  
95 100  
174 67.1 63.0 94.4  
176 67.8 59.9 89.9



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

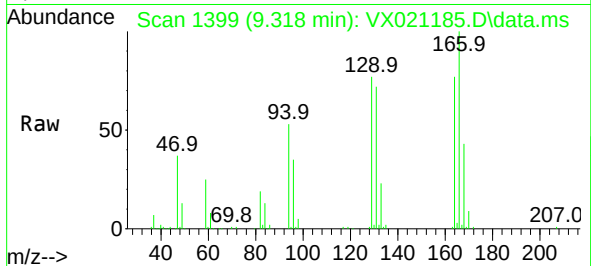
Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#61  
Tetrachloroethene  
Concen: 19.21 ug/l  
RT: 9.318 min Scan# 1399  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

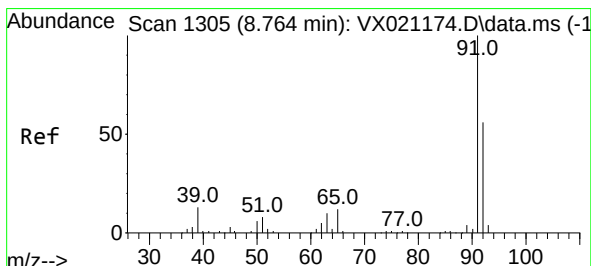
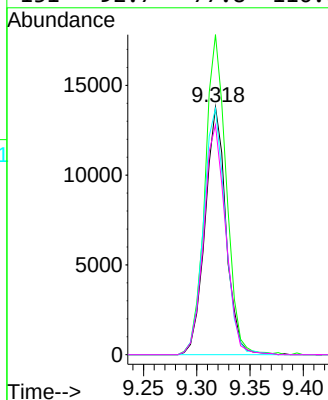
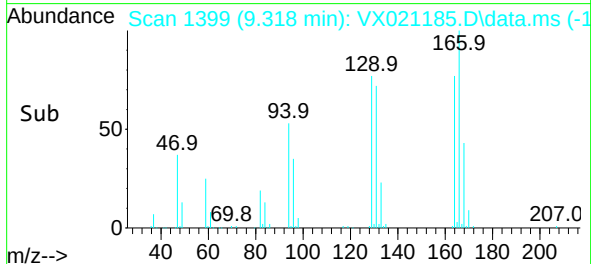
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



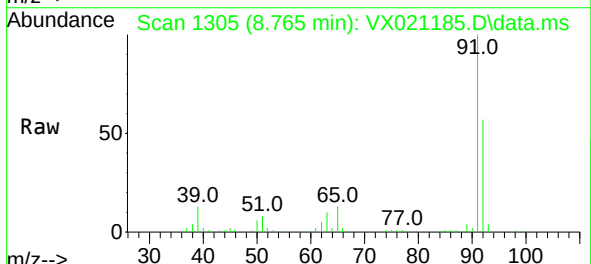
Tgt Ion:164 Resp: 18821  
Ion Ratio Lower Upper  
164 100  
166 129.1 102.8 154.2  
129 99.3 75.8 113.8  
131 92.7 77.8 116.6

Manual Integrations  
APPROVED

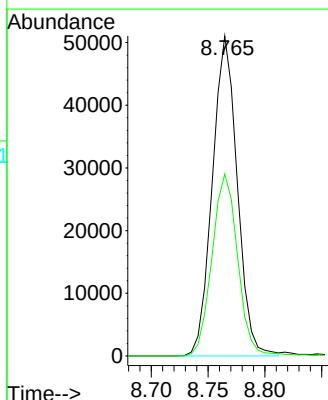
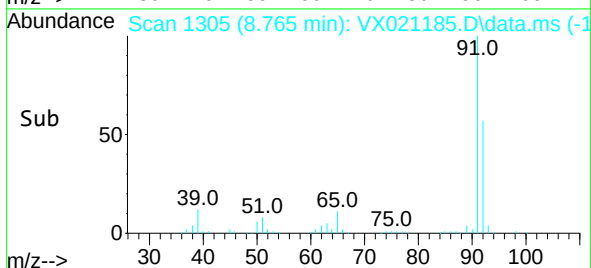
MMDadoda  
3/15/2021 3:18:54 PM

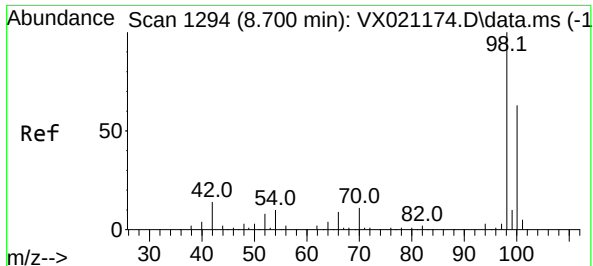


#62  
Toluene  
Concen: 18.58 ug/l  
RT: 8.765 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



Tgt Ion: 91 Resp: 77864  
Ion Ratio Lower Upper  
91 100  
92 58.7 47.2 70.8





#63

Toluene-d8

Concen: 30.79 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VX021185.D

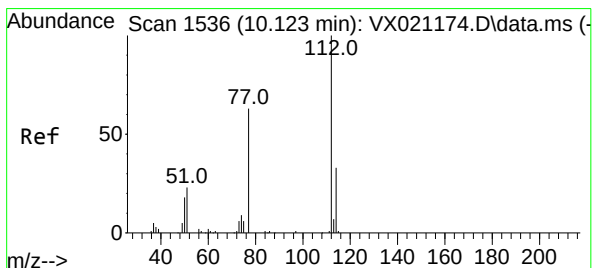
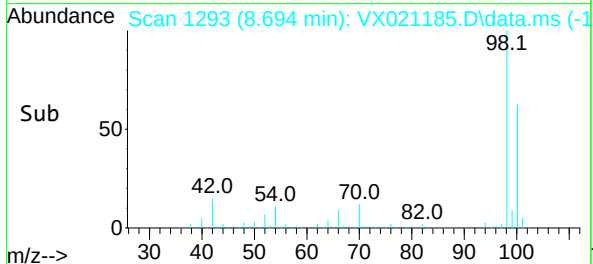
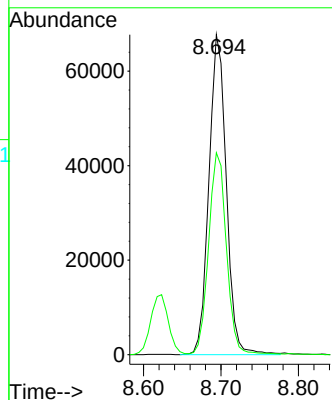
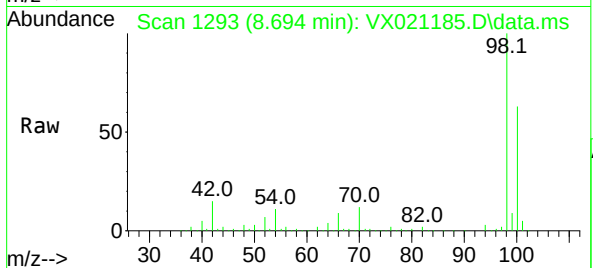
Acq: 12 Mar 2021 16:56

Tgt Ion: 98 Resp: 105614

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.4



#64

Chlorobenzene

Concen: 18.14 ug/l

RT: 10.124 min Scan# 1536

Delta R.T. 0.000 min

Lab File: VX021185.D

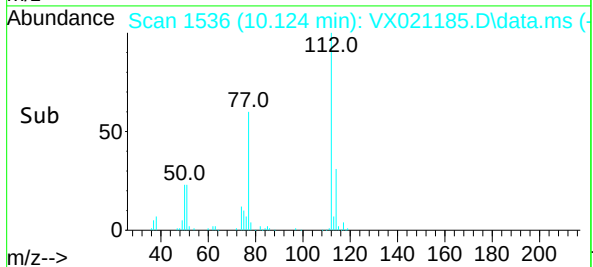
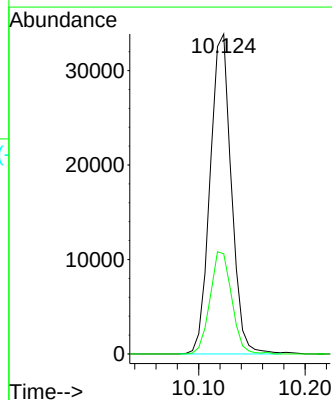
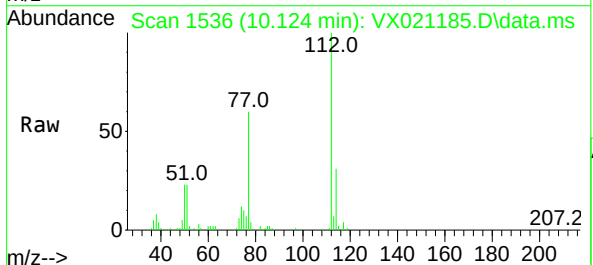
Acq: 12 Mar 2021 16:56

Tgt Ion: 112 Resp: 46969

Ion Ratio Lower Upper

112 100

114 31.3 25.7 38.5



Instrument :

MSVOA\_X

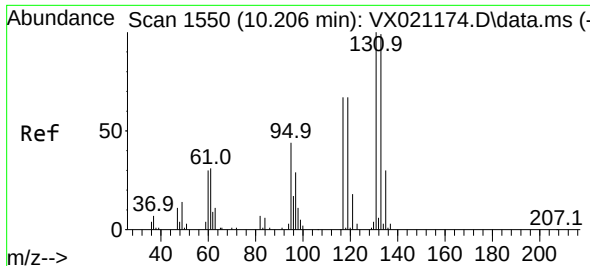
ClientSampleId :

VSTDCCC020EC

Manual Integrations

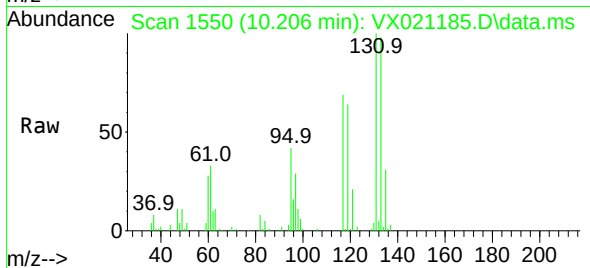
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.38 ug/l  
RT: 10.206 min Scan# 1550  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

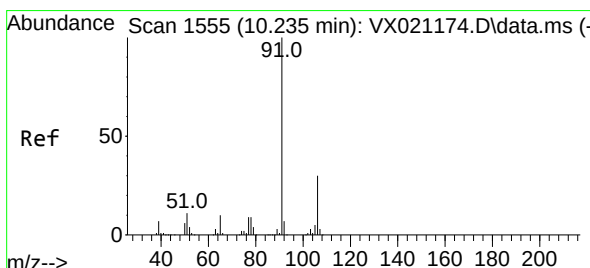
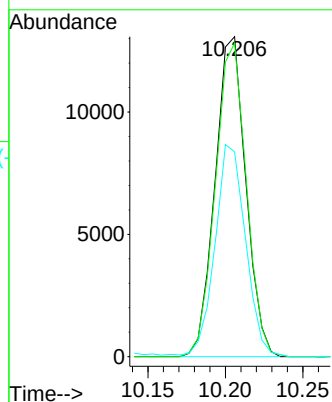
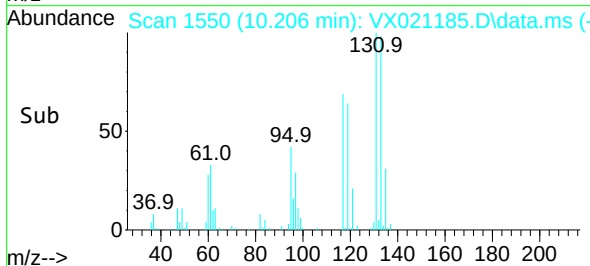
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



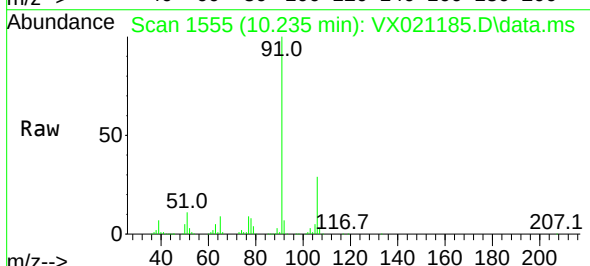
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 98.4  | 0.0   | 189.6 |
| 119     | 65.8  | 0.0   | 129.0 |

Manual Integrations  
APPROVED

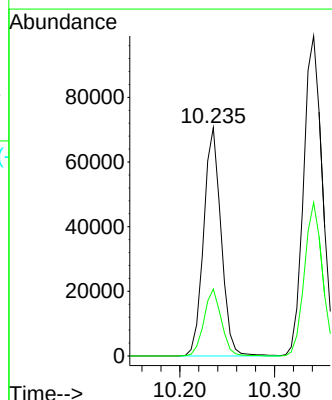
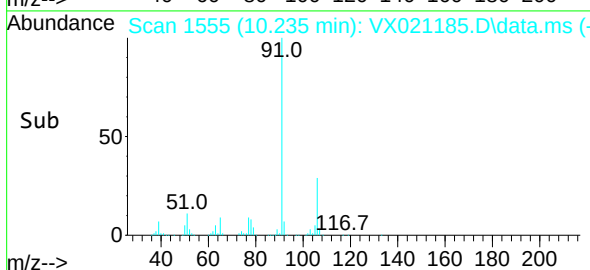
MMDadoda  
3/15/2021 3:18:54 PM

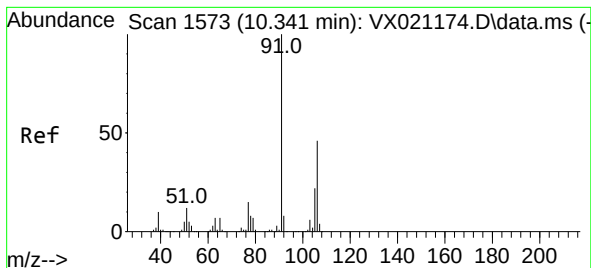


#66  
Ethyl Benzene  
Concen: 18.80 ug/l  
RT: 10.235 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 29.4  | 25.0  | 37.4  |





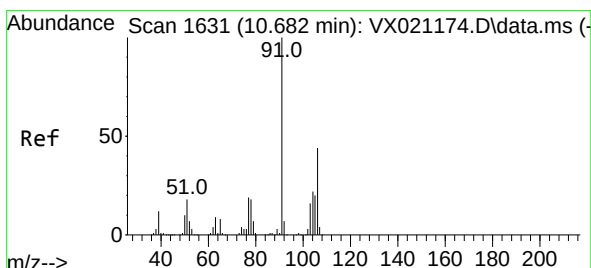
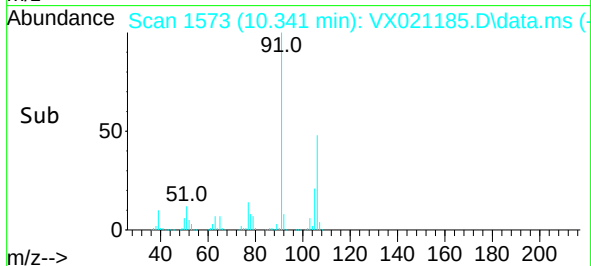
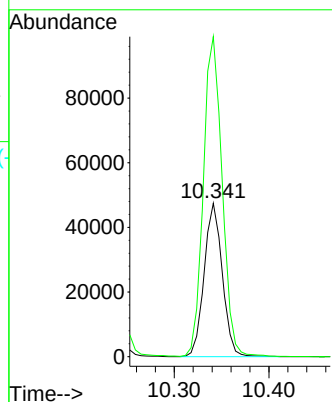
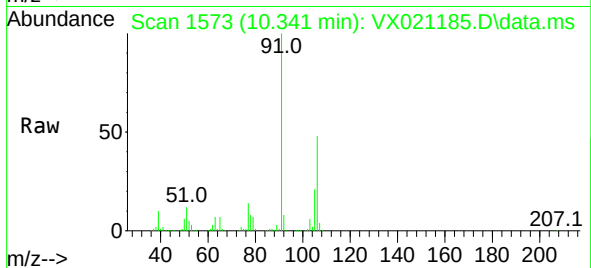
#67  
m/p-Xylenes  
Concen: 36.49 ug/l  
RT: 10.341 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:106 Resp: 63322  
Ion Ratio Lower Upper  
106 100  
91 216.2 164.0 246.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

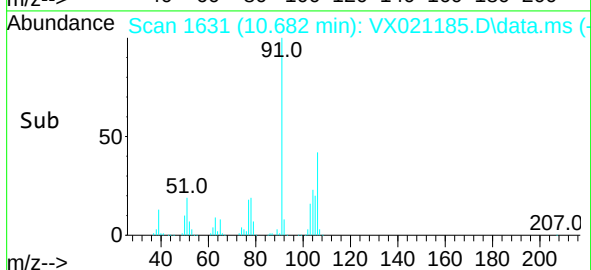
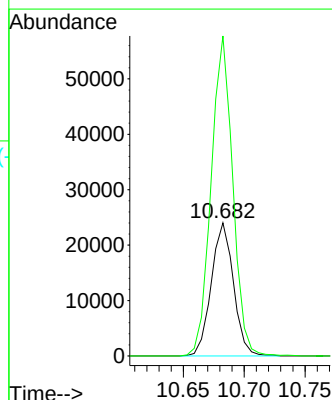
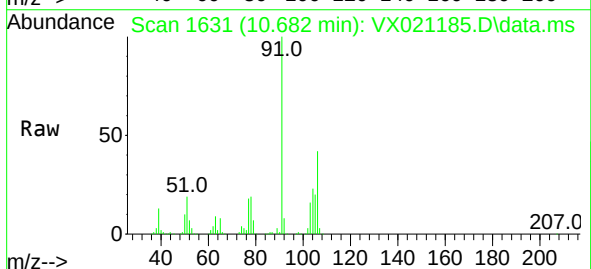
Manual Integrations  
APPROVED

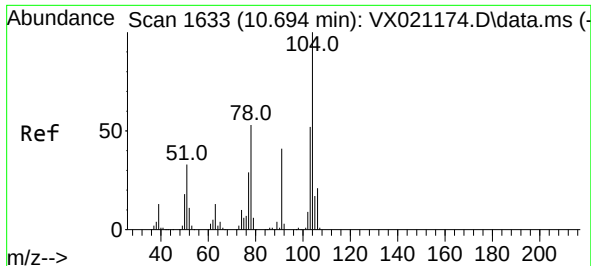
MMDadoda  
3/15/2021 3:18:54 PM



#68  
o-Xylene  
Concen: 18.13 ug/l  
RT: 10.682 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:106 Resp: 30454  
Ion Ratio Lower Upper  
106 100  
91 233.9 106.5 319.6





#69

Styrene

Concen: 18.00 ug/l

RT: 10.694 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 104   | Resp: | 51297 |
| Ion      | Ratio | Lower | Upper |
| 104      | 100   |       |       |
| 78       | 57.5  | 39.2  | 58.8  |
| 103      | 55.7  | 43.0  | 64.4  |

Instrument :

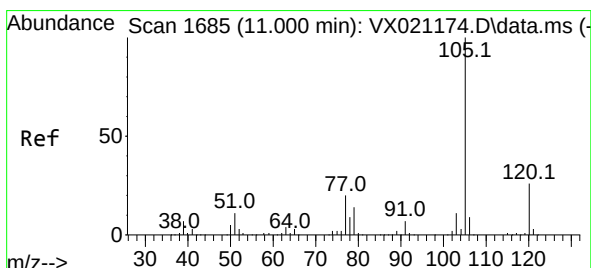
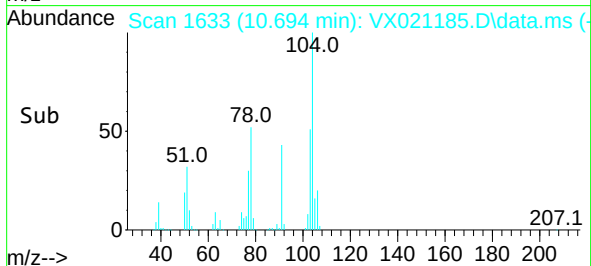
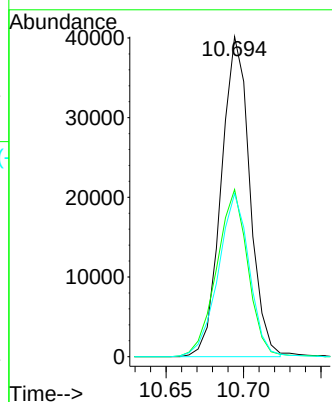
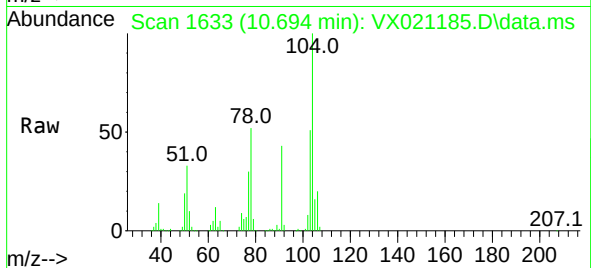
MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#70

Isopropylbenzene

Concen: 18.19 ug/l

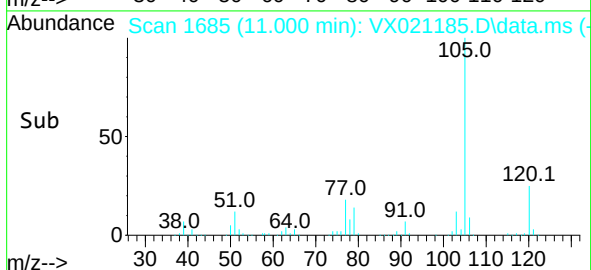
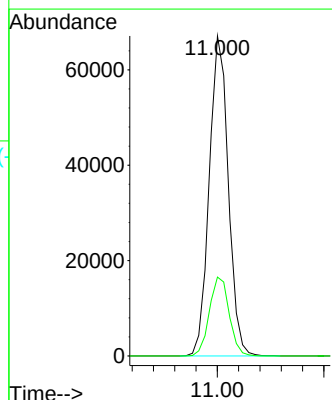
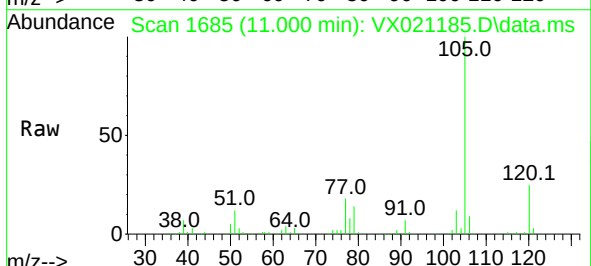
RT: 11.000 min Scan# 1685

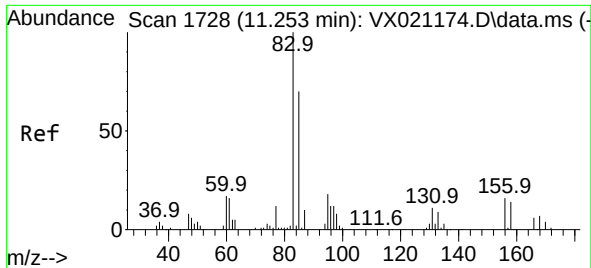
Delta R.T. 0.000 min

Lab File: VX021185.D

Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 83568 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.6  | 18.4  | 34.2  |





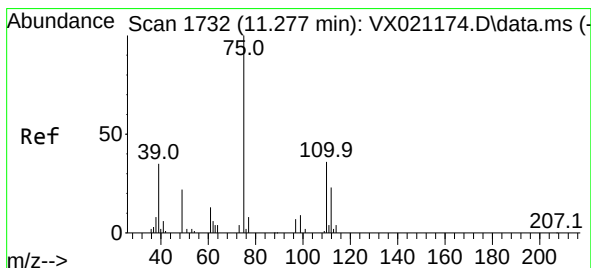
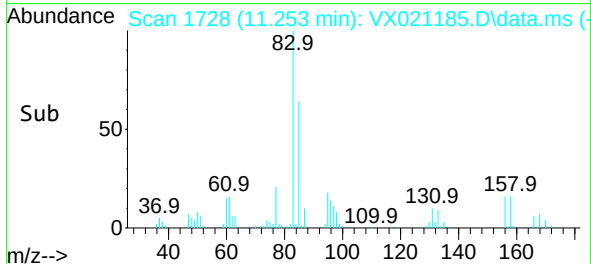
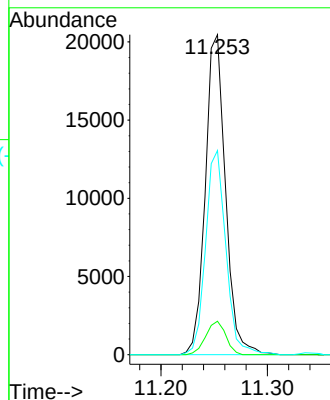
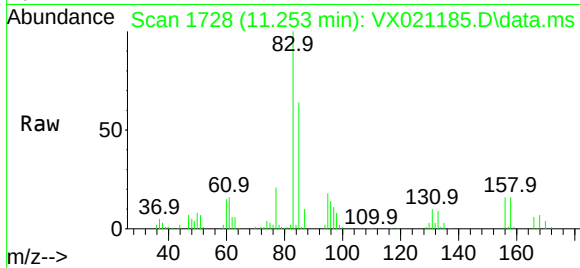
#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.52 ug/l  
RT: 11.253 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 83 Resp: 26975  
Ion Ratio Lower Upper  
83 100  
131 10.3 5.1 15.3  
85 64.3 32.0 96.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

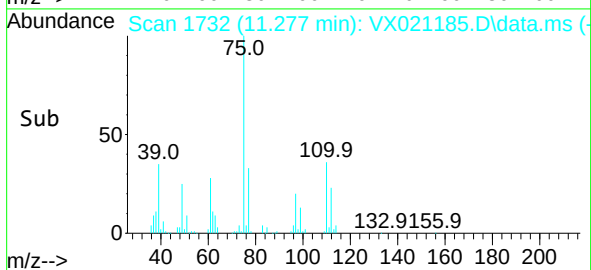
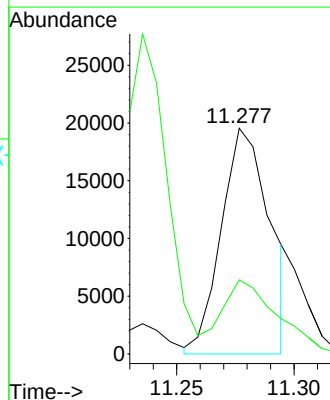
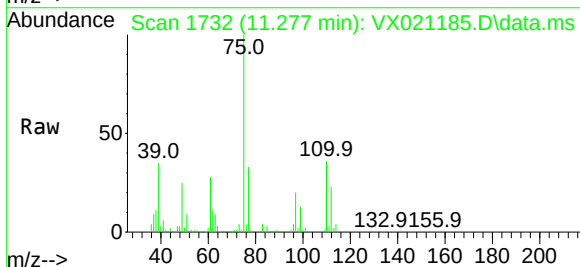
Manual Integrations  
APPROVED

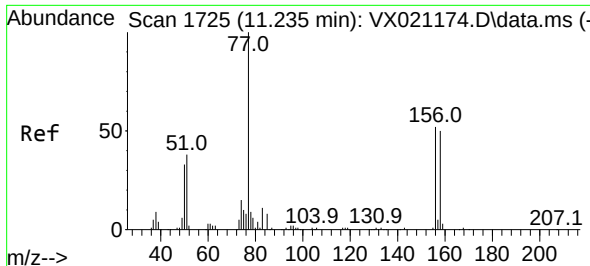
MMDadoda  
3/15/2021 3:18:54 PM



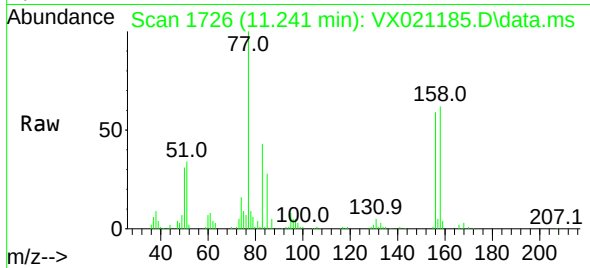
#72  
1,2,3-Trichloropropane  
Concen: 18.91 ug/l m  
RT: 11.277 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 75 Resp: 28044  
Ion Ratio Lower Upper  
75 100  
77 38.2 0.0 74.6

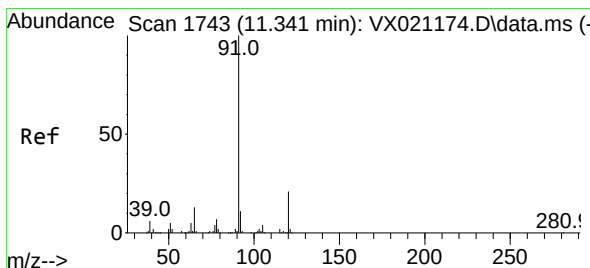
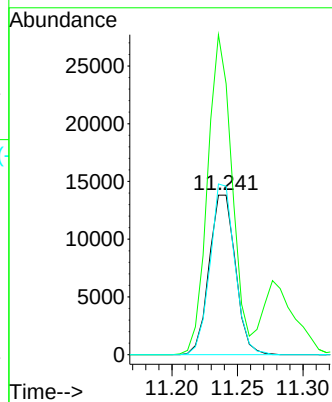
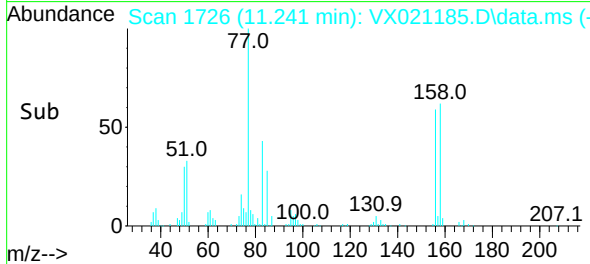




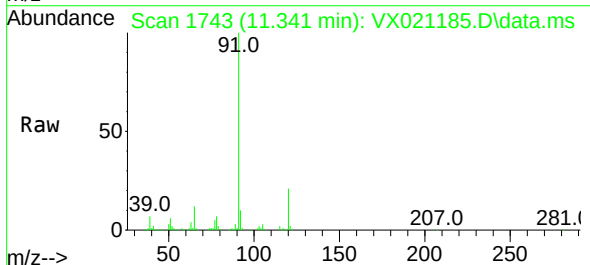
#73  
Bromobenzene  
Concen: 17.67 ug/l  
RT: 11.241 min Scan# 1726  
Delta R.T. 0.006 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



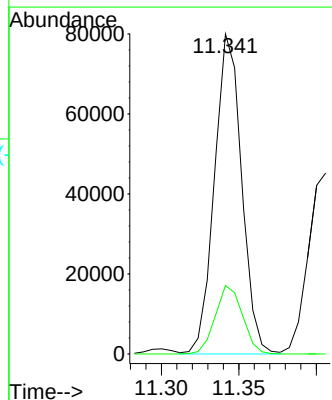
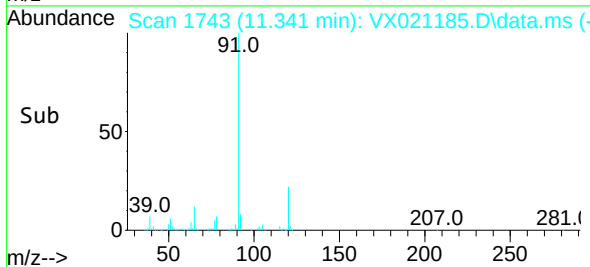
Tgt Ion: 156 Resp: 19240  
Ion Ratio Lower Upper  
156 100  
77 186.9 0.0 324.8  
158 100.9 0.0 192.0



#74  
n-propylbenzene  
Concen: 17.88 ug/l  
RT: 11.341 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



Tgt Ion: 91 Resp: 97518  
Ion Ratio Lower Upper  
91 100  
120 21.4 0.0 45.8

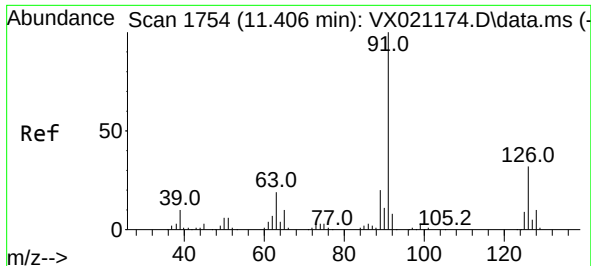


Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM





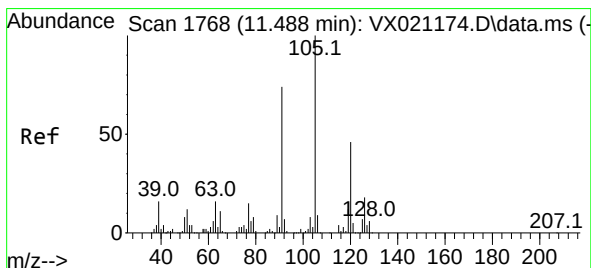
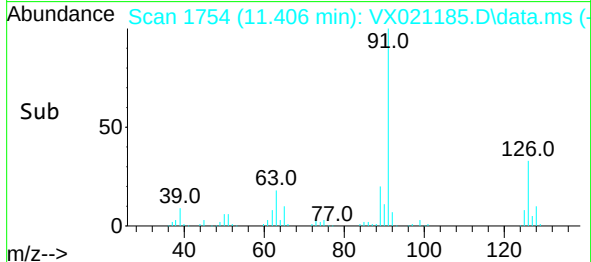
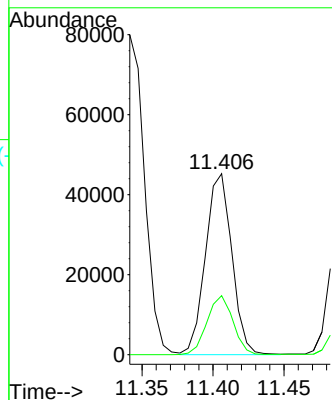
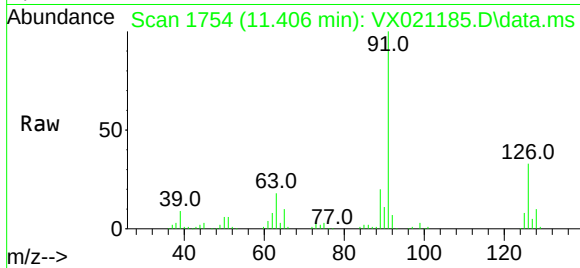
#75  
2-Chlorotoluene  
Concen: 17.84 ug/l  
RT: 11.406 min Scan# 1754  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 91 Resp: 58598  
Ion Ratio Lower Upper  
91 100  
126 32.0 0.0 66.6

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

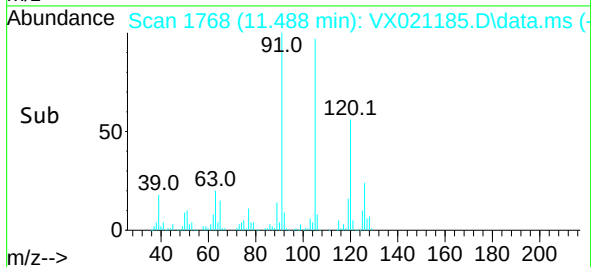
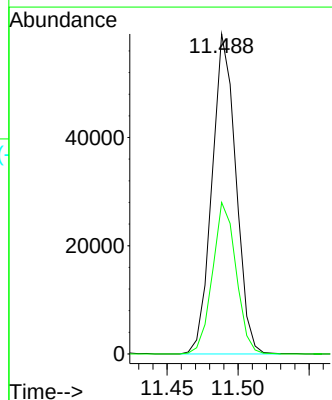
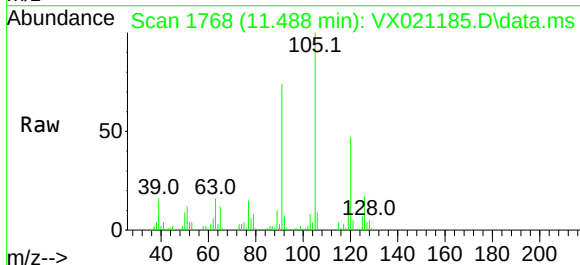
Manual Integrations  
APPROVED

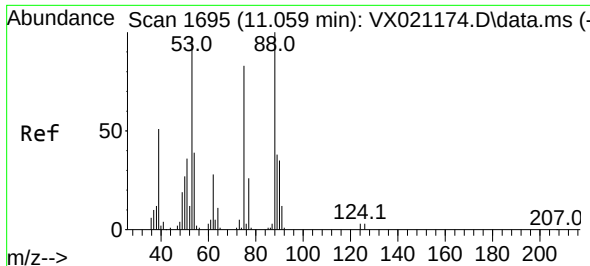
MMDadoda  
3/15/2021 3:18:54 PM



#76  
1,3,5-Trimethylbenzene  
Concen: 17.68 ug/l  
RT: 11.488 min Scan# 1768  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

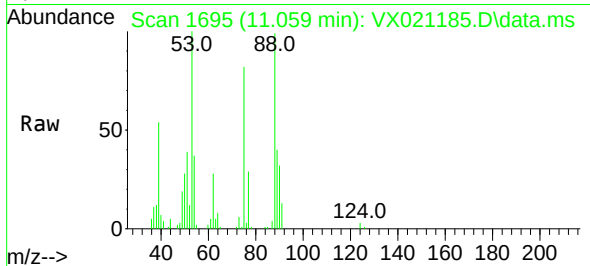
Tgt Ion: 105 Resp: 69084  
Ion Ratio Lower Upper  
105 100  
120 46.8 0.0 96.2



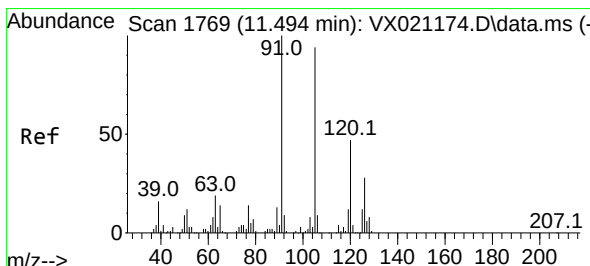
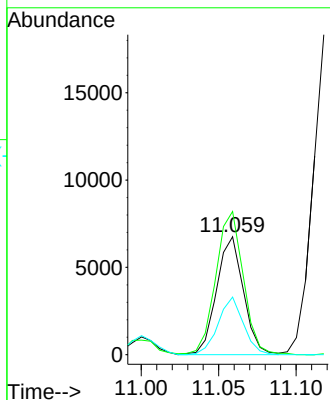
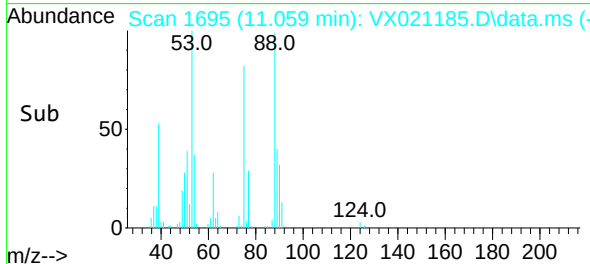


#77  
t-1,4-Dichloro-2-butene  
Concen: 16.74 ug/l  
RT: 11.059 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

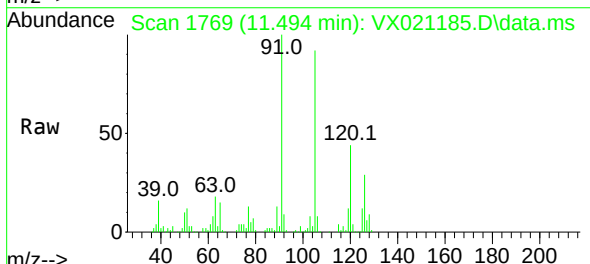
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



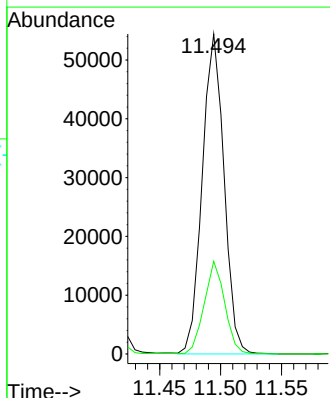
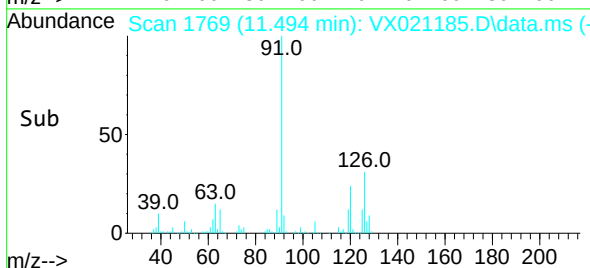
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 120.5 | 48.4  | 145.0 |
| 89      | 48.8  | 22.7  | 68.0  |

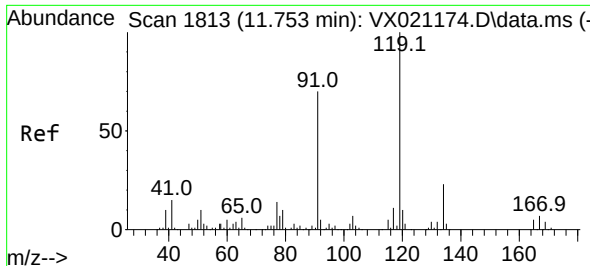


#78  
4-Chlorotoluene  
Concen: 17.67 ug/l  
RT: 11.494 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.3  | 0.0   | 57.8  |





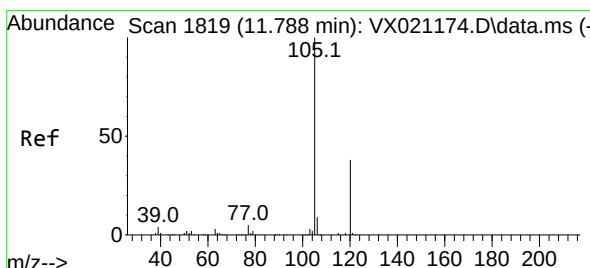
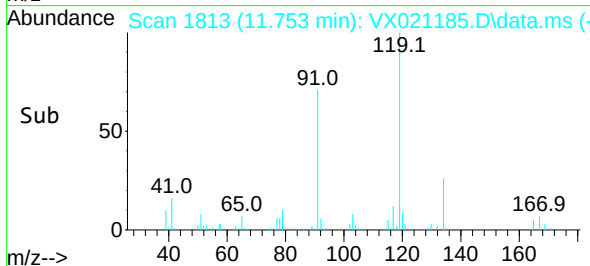
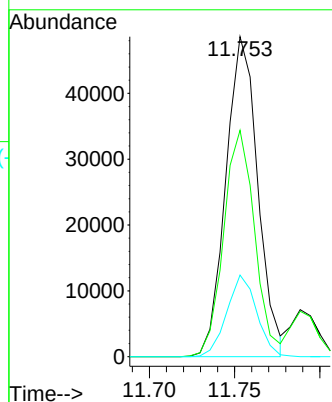
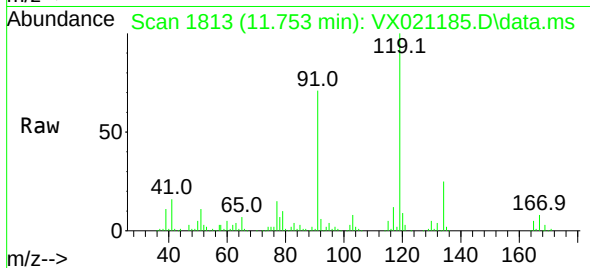
#79  
tert-butylbenzene  
Concen: 17.56 ug/l  
RT: 11.753 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:119 Resp: 63540  
Ion Ratio Lower Upper  
119 100  
91 68.7 0.0 118.0  
134 23.9 0.0 48.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

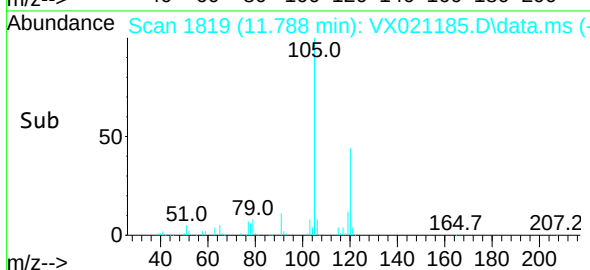
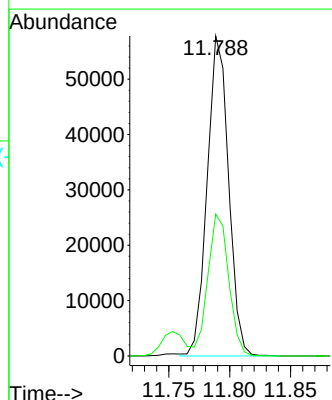
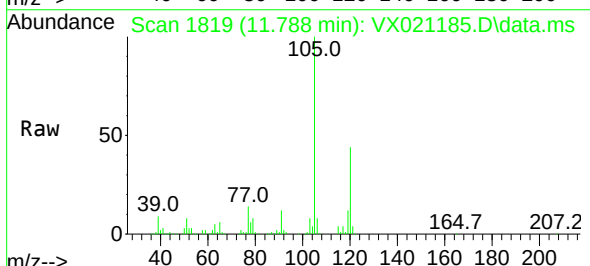
Manual Integrations  
APPROVED

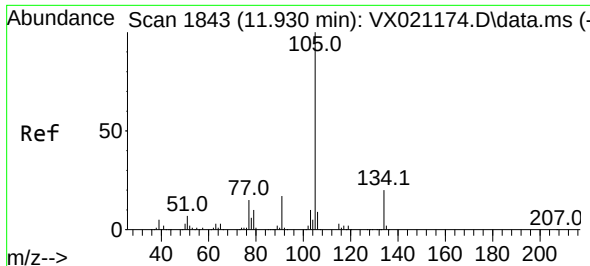
MMDadoda  
3/15/2021 3:18:54 PM



#80  
1,2,4-Trimethylbenzene  
Concen: 17.97 ug/l  
RT: 11.788 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

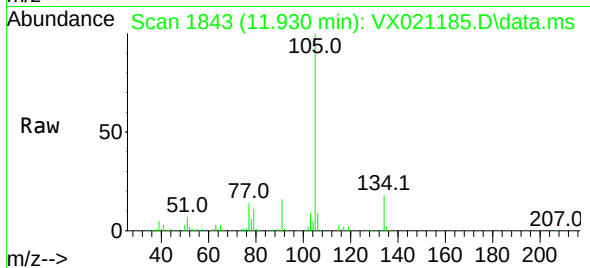
Tgt Ion:105 Resp: 70528  
Ion Ratio Lower Upper  
105 100  
120 43.0 0.0 89.8





#81  
 sec-Butylbenzene  
 Concen: 18.03 ug/l  
 RT: 11.930 min Scan# 1843  
 Delta R.T. 0.000 min  
 Lab File: VX021185.D  
 Acq: 12 Mar 2021 16:56

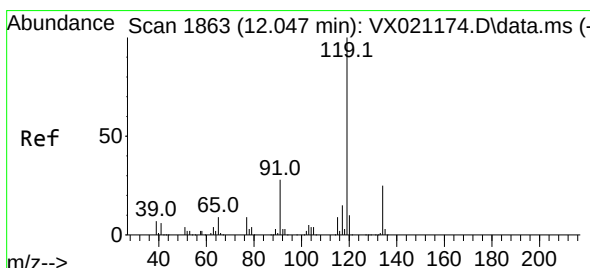
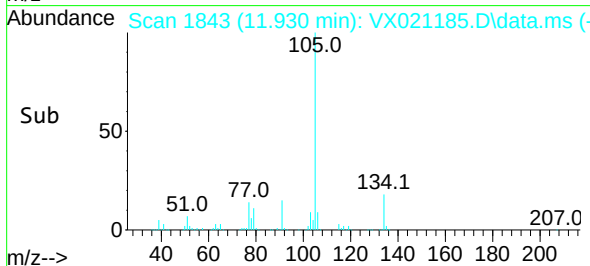
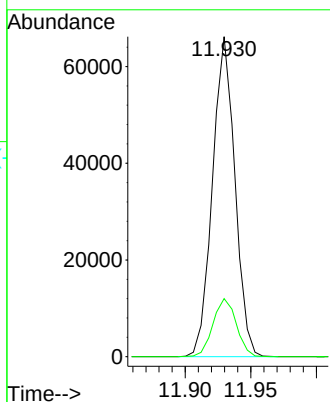
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion:105 Resp: 78635  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 39.6

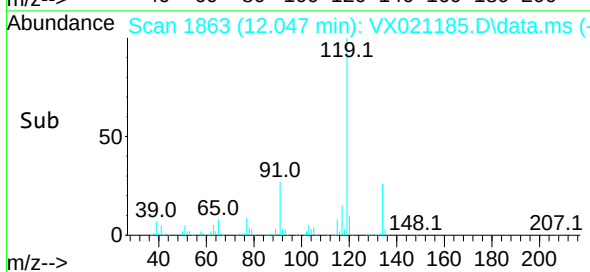
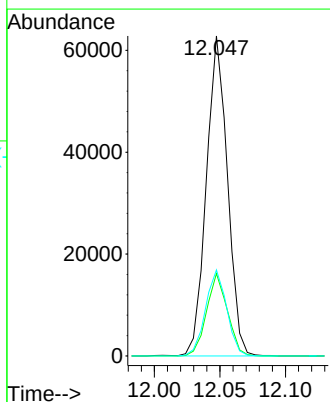
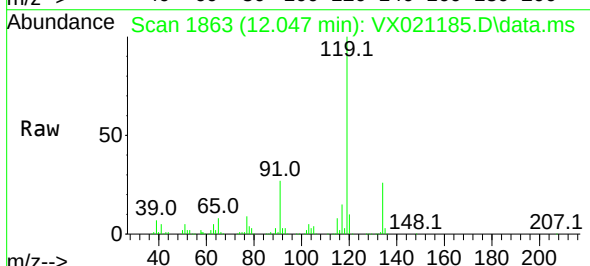
Manual Integrations  
 APPROVED

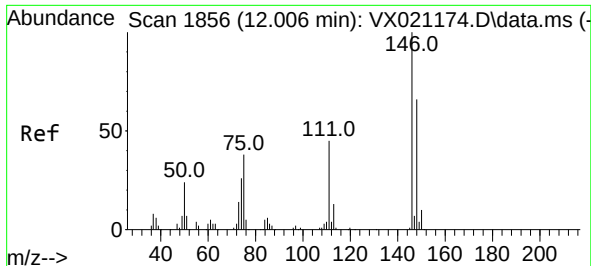
MMDadoda  
 3/15/2021 3:18:54 PM



#82  
 p-Isopropyltoluene  
 Concen: 17.76 ug/l  
 RT: 12.047 min Scan# 1863  
 Delta R.T. 0.000 min  
 Lab File: VX021185.D  
 Acq: 12 Mar 2021 16:56

Tgt Ion:119 Resp: 70345  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 0.0 52.8  
 91 26.9 0.0 47.4





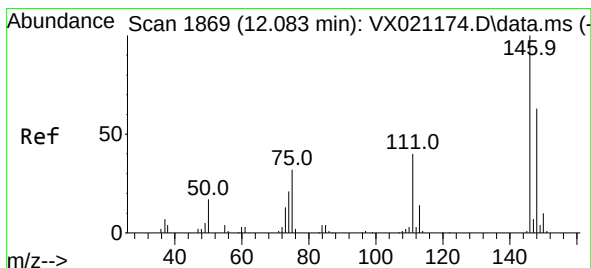
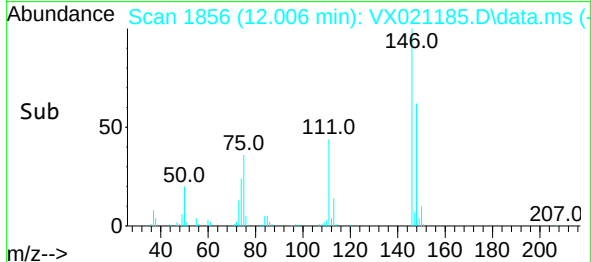
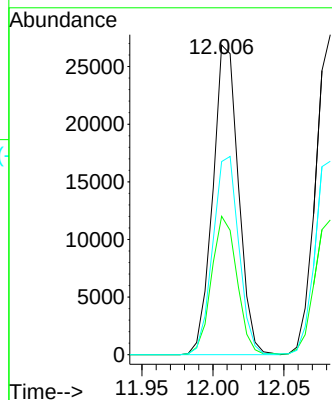
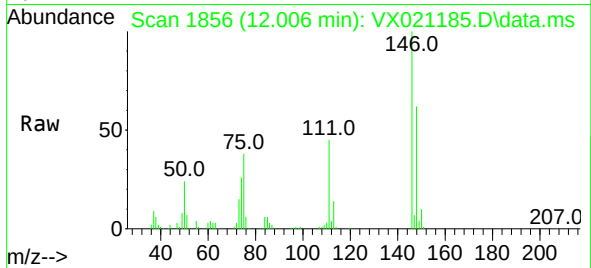
#83  
1,3-Dichlorobenzene  
Concen: 17.29 ug/l  
RT: 12.006 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:146 Resp: 33694  
Ion Ratio Lower Upper  
146 100  
111 44.3 20.3 60.9  
148 64.9 31.9 95.9

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

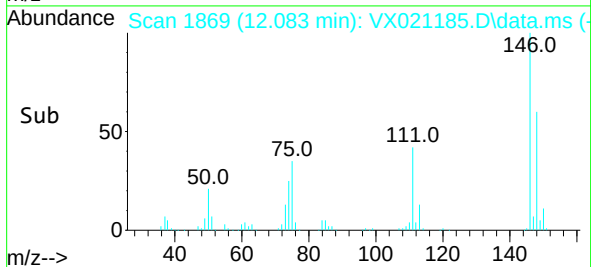
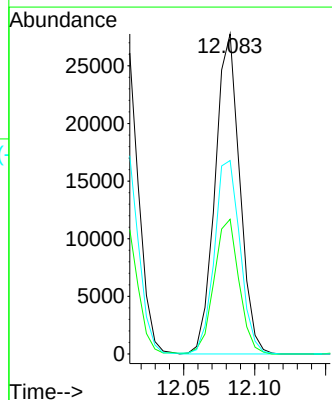
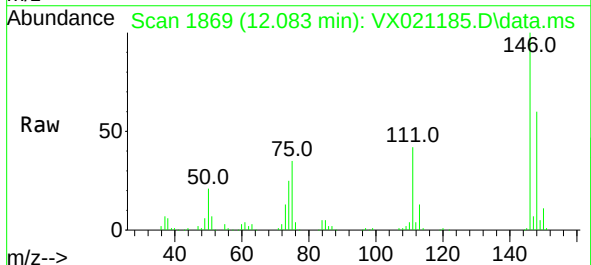
Manual Integrations  
APPROVED

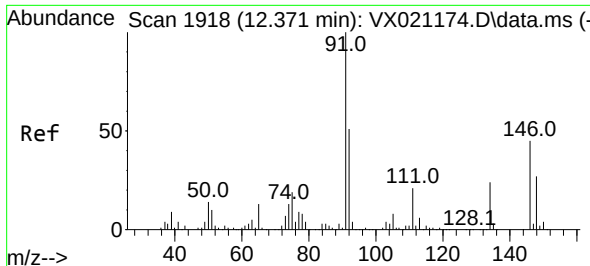
MMDadoda  
3/15/2021 3:18:54 PM



#84  
1,4-Dichlorobenzene  
Concen: 17.12 ug/l  
RT: 12.083 min Scan# 1869  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion:146 Resp: 33463  
Ion Ratio Lower Upper  
146 100  
111 42.8 19.1 57.3  
148 63.0 31.9 95.5





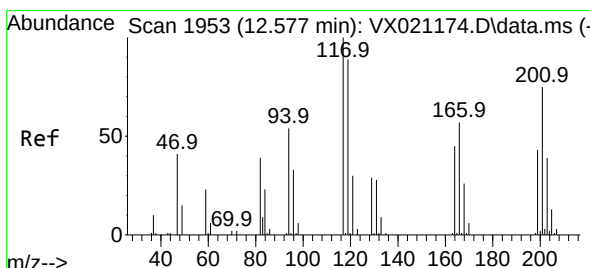
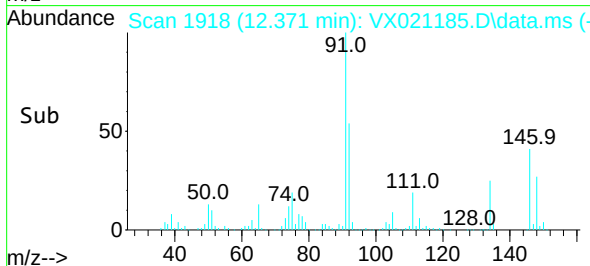
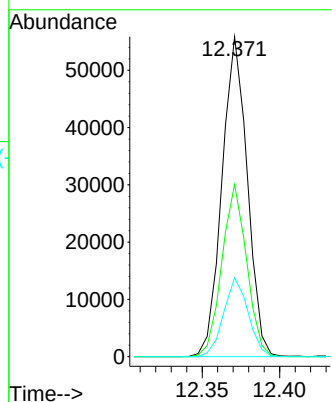
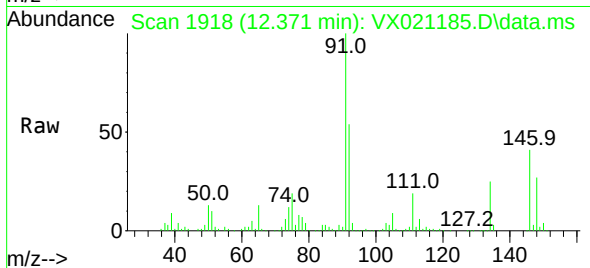
#85  
n-Butylbenzene  
Concen: 17.26 ug/l  
RT: 12.371 min Scan# 1918  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 63362 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.7  | 0.0   | 109.0 |
| 134      | 24.0  | 0.0   | 51.8  |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

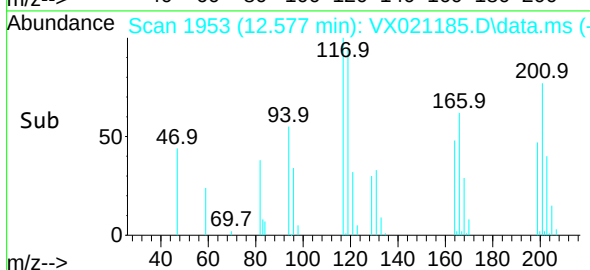
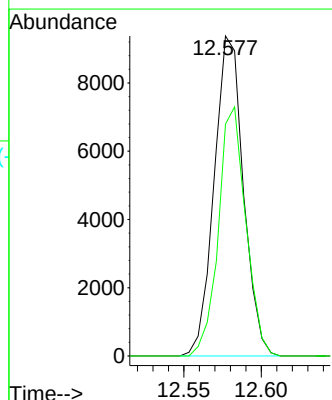
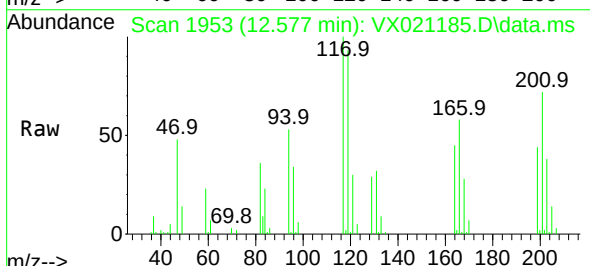
Manual Integrations  
APPROVED

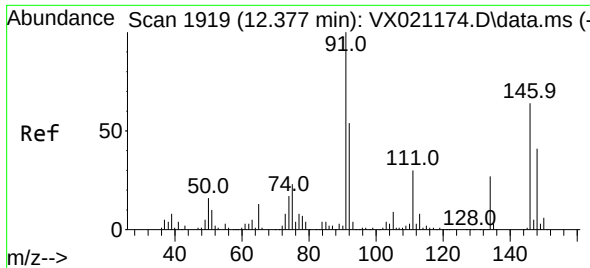
MMDadoda  
3/15/2021 3:18:54 PM



#86  
Hexachloroethane  
Concen: 16.80 ug/l  
RT: 12.577 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12281 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 73.0  | 40.5  | 121.4 |





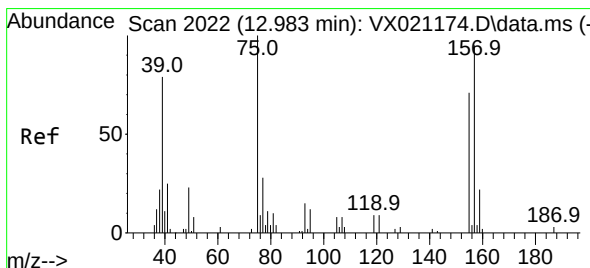
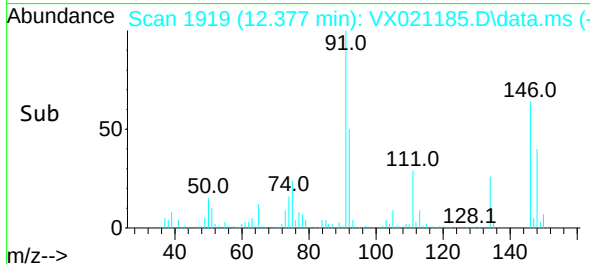
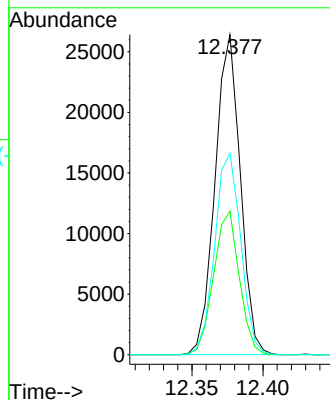
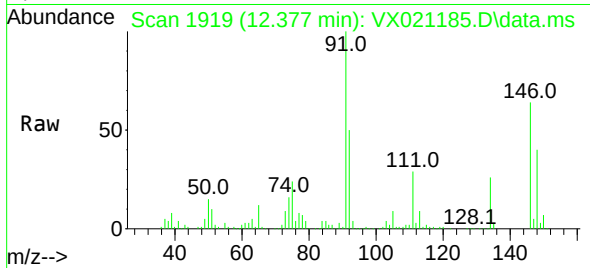
#87  
1,2-Dichlorobenzene  
Concen: 17.14 ug/l  
RT: 12.377 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

Tgt Ion: 146 Resp: 32722  
Ion Ratio Lower Upper  
146 100  
111 45.4 20.8 62.5  
148 64.8 32.4 97.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

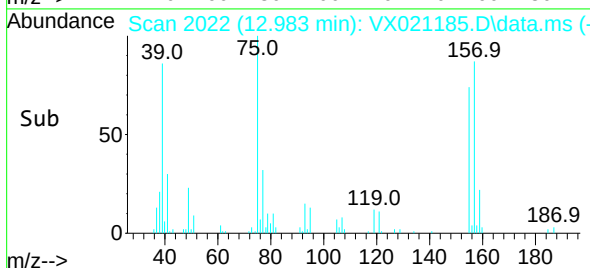
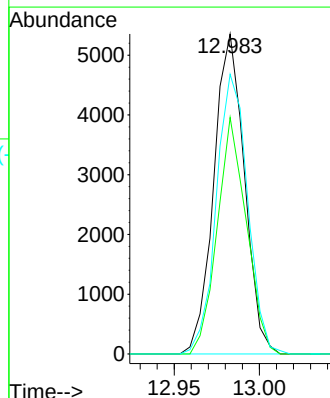
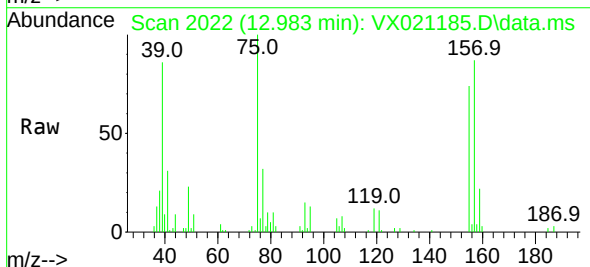
Manual Integrations  
APPROVED

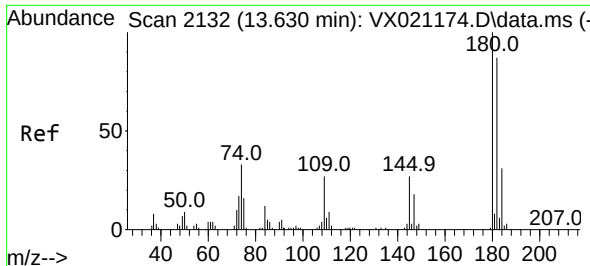
MMDadoda  
3/15/2021 3:18:54 PM



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 18.42 ug/l  
RT: 12.983 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

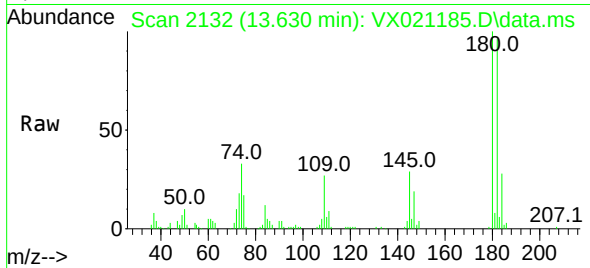
Tgt Ion: 75 Resp: 6681  
Ion Ratio Lower Upper  
75 100  
155 70.5 68.9 103.3  
157 89.5 91.3 136.9#





#89  
1,2,4-Trichlorobenzene  
Concen: 17.28 ug/l  
RT: 13.630 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

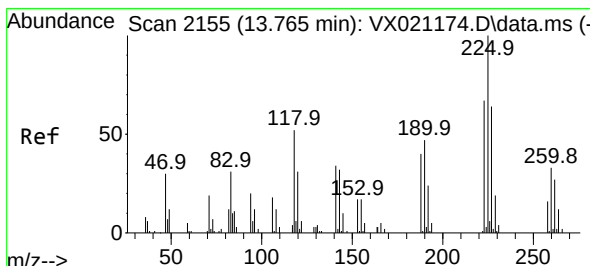
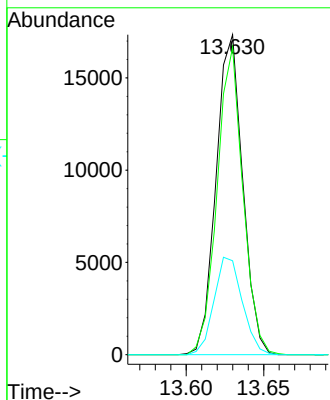
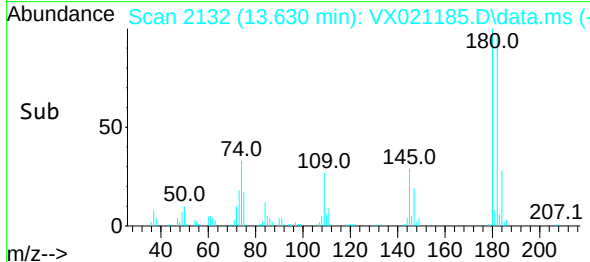
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



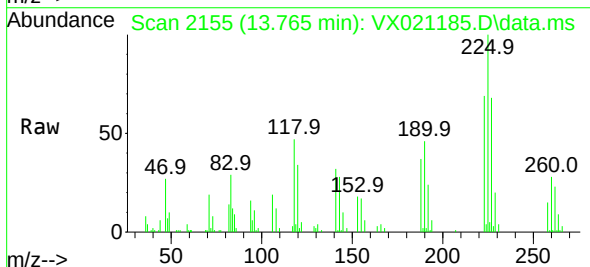
Tgt Ion:180 Resp: 20762  
Ion Ratio Lower Upper  
180 100  
182 93.0 77.9 116.9  
145 32.4 24.3 36.5

Manual Integrations  
APPROVED

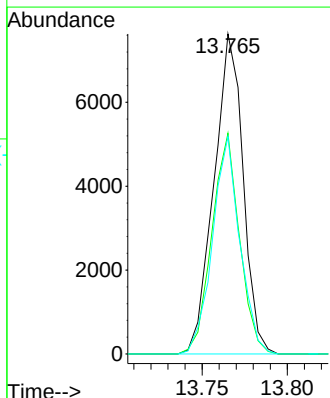
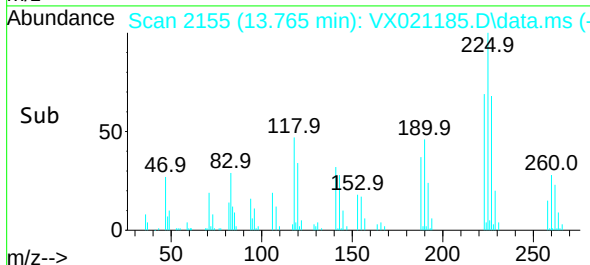
MMDadoda  
3/15/2021 3:18:54 PM



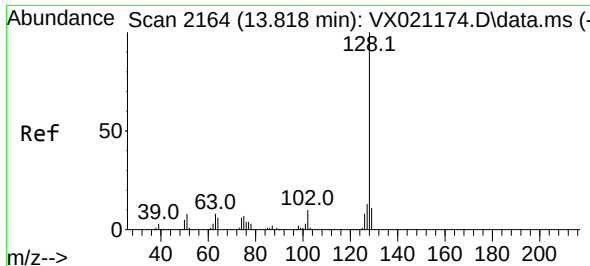
#90  
Hexachlorobutadiene  
Concen: 17.29 ug/l  
RT: 13.765 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



Tgt Ion:225 Resp: 9047  
Ion Ratio Lower Upper  
225 100  
223 65.4 0.0 129.4  
227 63.7 0.0 130.4

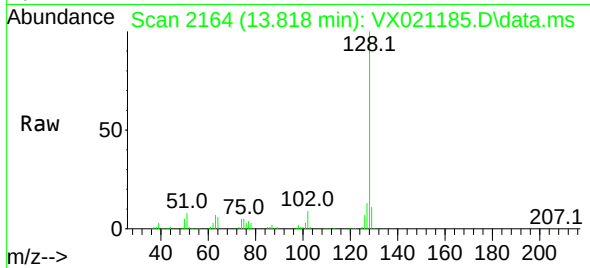






#91  
Naphthalene  
Concen: 18.48 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56

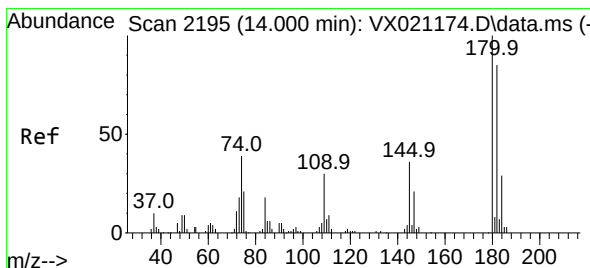
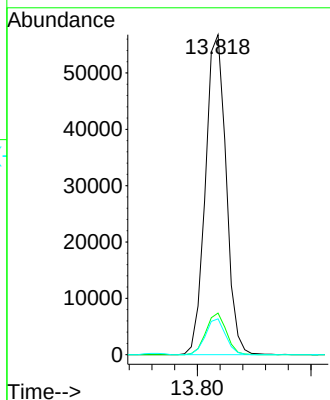
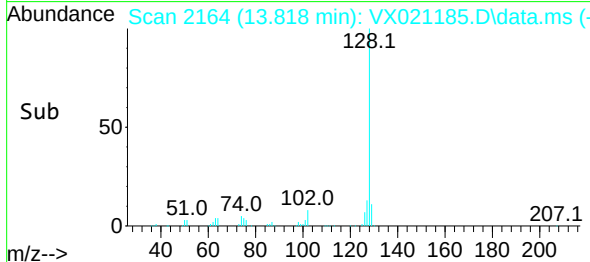
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



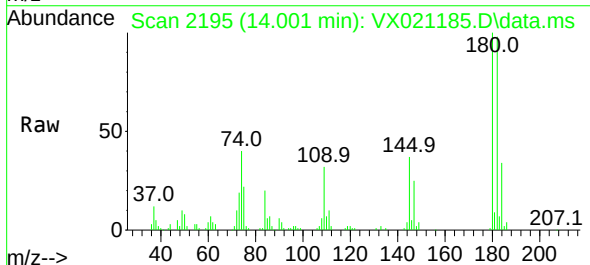
Tgt Ion:128 Resp: 71770  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.4  
129 10.9 8.8 13.2

Manual Integrations  
APPROVED

MMDadoda  
3/15/2021 3:18:54 PM



#92  
1,2,3-Trichlorobenzene  
Concen: 17.08 ug/l  
RT: 14.001 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: VX021185.D  
Acq: 12 Mar 2021 16:56



Tgt Ion:180 Resp: 19966  
Ion Ratio Lower Upper  
180 100  
182 95.4 0.0 192.4  
145 35.4 0.0 66.4

